International Nuclear Information System (INIS)

Energy Technology Data Exchange (ETDE)

JOINT THESAURUS

ETDE/INIS Joint Reference Series No. 1 (Rev. 1)

Nuclear reactors and reactor safety • Energy efficiency • Nuclear instrumentation
Power transmission and distribution • Materials and physical sciences research

Renewable energy technologies • Radiation protection • Energy storage, conversion, and consumption
Radioactive waste management • Energy policy • Radiation effects on living organisms • Fossil fuels

IAEA
International Atomic Energy Agency

Vienna, April 2004

ETDE/INIS Joint Reference Series No. 1 (Rev. 1)

JOINT THESAURUS

INTERNATIONAL ATOMIC ENERGY AGENCY
VIENNA, APRIL 2004

NOTE

This replaces the previous version of this document.

JOINT THESAURUS, IAEA, VIENNA, 2004
IAEA–ETDE/INIS–1 (Rev. 1)
ISBN 92–0–105604–4
ISSN 1684–095X

Printed by the IAEA in Austria
April 2004

FOREWORD

This is the 1st revision of the INIS/ETDE Joint Thesaurus. It contains 20 953 valid descriptors and 8 600 forbidden terms. It was last updated in December 2003.

The Joint Thesaurus contains the controlled terminology for indexing all information within the subject scope of both INIS (International Nuclear Information System) and ETDE (Energy Technology Data Exchange) information systems. The terminology is intended for use in subject description for input or retrieval of information in those systems.

The original basis of the terminology found in this thesaurus was the 1969 edition of the EURATOM Thesaurus. The structure subsequently given to that terminology was the result of a systematic study performed by subject specialists. Further expansion of the thesaurus terminology was done by ETDE to incorporate information on all forms of energy.

The Joint Thesaurus is the result of continued editing carried out in parallel to the processing of the INIS and ETDE databases. Identification of errors as well as suggestions for improvements to the present document are welcome. Comments should be addressed to either the INIS Thesaurus Specialist:

Thesaurus Specialist,
INIS and Nuclear Knowledge Management Section
Department of Nuclear Energy
International Atomic Energy Agency
P.O. Box 100
A-1400 Vienna, Austria
Email: inis@iaea.org

Or the ETDE Thesaurus Specialist at the ETDE Operating Agent:

ETDE Thesaurus Specialist
ETDE Operating Agent
DOE/Office of Scientific and Technical Information
P.O. Box 1000
Oak Ridge, TN 37831
USA
Email: info@etde.org

AVAILABILITY TO ETDE USERS

About ETDE

The Energy Technology Data Exchange (ETDE) is a consortium of countries that share energy science and technology information through ETDE's Energy Database and ETDE World Energy Base (ETDEWEB). ETDE was established as an Implementing Agreement in 1987 under the auspices of the International Energy Agency (IEA) and collaborates with other IEA entities as appropriate. A current list of ETDE member countries may be found at http://www.etde.org/abtetde/country.html. ETDEWEB is accessible to persons in ETDE member countries at http://www.etde.org/etdeweb/. Expected in 2004, developing countries approved by ETDE's Executive Committee will also be permitted access.

ETDE's focus is to cover subjects of greatest interest to the IEA and ETDE's international audience of database users. The information covered includes such important topics as environmental aspects of energy production, consumption, and use; energy efficiency and conservation; energy policy; renewable energy sources; end-use technology; fusion, fossil, and nuclear energy; and advanced energy systems. Coverage also includes the basic sciences that support energy R&D, such as aspects of chemistry, engineering, environmental sciences (with emphasis on global climate change), physics, biomedical sciences, materials science, computer science, mathematics, and instrumentation related to energy technology.

Printed copies of the Joint Thesaurus are available from the following ETDE-related sources:

ETDE Operating Agent
DOE/Office of Scientific and Technical Information
P.O. Box 1000
Oak Ridge, Tennessee 37831
USA
Telefax: 1 865 576 2865
Email: info@etde.org

Fachinformationszentrum Karlsruhe
Information Services
Marketing and Sales
Hermann v. Helmholtz-Platz 1
D-76344 Eggenstein-Leopoldshafen
Germany
Telefax: 07247/808-132
Email: Uschi.Iser@FIZ-karlsruhe.de

National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Road
Springfield, VA 22161
USA
Telefax: 1 703 605 6900
Email: orders@ntis.gov
URL: http://www.ntis.gov

An electronic copy of the thesaurus in PDF format is available for downloading on the ETDE web site at:

http://www.etde.org/edb/download.html

About the IEA

The International Energy Agency (IEA) is the energy forum for 26 countries. IEA member governments are committed to taking joint measures to meet oil supply emergencies. They also have agreed to share energy information, to co-ordinate their energy policies and to co-operate in the development of rational energy programmes. These provisions are embodied in the Agreement on an International Energy Programme (IEP), which established the Agency in 1974. ETDE is one of the more than 40 Implementing Agreements under the IEA.

AVAILABILITY TO INIS USERS

About INIS

INIS is the world's leading information system on the peaceful uses of nuclear energy. The acronym INIS stands for International Nuclear Information System. INIS is operated by the International Atomic Energy Agency in collaboration with its Member States and co-operating International Organizations. INIS provides a comprehensive information reference service for literature in nuclear science and technology. To do this, INIS processes most of the world's scientific and technical literature that falls within its subject scope. The subject scope was developed to respond to the information needs of the international community in the areas of the IAEA's interests and activities covering the peaceful uses of nuclear science and technology.

Organizations participating in INIS may obtain reasonable quantities of the Joint Thesaurus on application to:

INIS and Nuclear Knowledge Management Section
International Atomic Energy Agency
P.O. Box 100
A-1400 Vienna
Austria
Email: INIS@iaea.org

Organizations other than those directly participating in INIS should order printed copies of the *INIS Reference Series* and the *ETDE/INIS Joint Reference Series* from:

Division of Publications
Sales and Promotion Unit
International Atomic Energy Agency
P.O. Box 100
A-1400 Vienna
Austria
Email: sales.publications@iaea.org

An electronic copy of the Joint Thesaurus in PDF format can also be downloaded from the IAEA Publications Internet site at:

http://www.iaea.org/Publications

About the IAEA

The International Atomic Energy Agency (IAEA) is the world's intergovernmental forum for co-operation in peaceful uses of nuclear energy. It was founded in 1957 in accordance with a decision of the General Assembly of the United Nations. Its Statute states that "The Agency shall seek to accelerate and enlarge the contribution of atomic energy to peace, health and prosperity throughout the world. It shall ensure, so far as it is able, that assistance provided by it or at its request or under its supervision or controls is not used in such a way as to further any military purpose."

CONTENTS

PREFACE

"A thesaurus is a terminological control device used in translating from the natural language of documents, indexers or users into a more constrained 'system language' (document language, information language)". It is also "a controlled and dynamic vocabulary of semantically and generically related terms which covers a specific domain of knowledge". The Joint Thesaurus fits this definition adopted by UNESCO.[1]

The domain of knowledge covered by the Joint Thesaurus includes physics (in particular, plasma physics, atomic and molecular physics, and especially nuclear and high-energy physics), chemistry, materials, earth sciences, radiation biology, radioisotope effects and kinetics, applied life sciences, radiology and nuclear medicine, isotope and radiation source technology, radiation protection, radiation applications, engineering, instrumentation, fossil fuels, synthetic fuels, renewable energy sources, advanced energy systems, fission and fusion reactor technology, safeguards and inspection, waste management, environmental aspects of the production and consumption of energy from nuclear and non-nuclear sources, energy efficiency and energy conservation, economics and sociology of energy production and use, energy policy, and nuclear law.

The terms in the Joint Thesaurus are listed alphabetically, and with each alphabetic entry a "word block" containing the terms associated with the particular entry is displayed. In the word block, terms that have a hierarchical relationship to the entry are identified by the symbols **BT** and **NT**, for *Broader Term* and *Narrower Term*; those with an affinitive relationship are identified by **RT**, for *Related Term*; and those with a preferential relationship are identified by **USE** or **SEE** and the reciprocals **UF** and **SF**, for *Used For* and *Seen For*. (If more than one descriptor should be used, the designation **USE … AND …** is given with the forbidden term and **UF+**... appears by each of the preferred descriptors. If more than one descriptor should be considered, the designation **SEE … OR …** is used.) To attract the indexer's attention to the narrower terms in the word block, the reference indicators **"NT**" are printed in bold face, upper case type.

A non-descriptor sometimes refers to a descriptor that has Narrower Terms: users of the Joint Thesaurus should always refer to the word block of that descriptor to ensure that the most specific appropriate term is chosen. For all terms, only one broader term is shown. For those terms that have additional levels of broader terms (**BT2**, **BT3**, etc.), this fact is indicated by an asterisk, e.g. ***BT1**.

The dates printed after each descriptor show the month and the year when the term was introduced into either ETDE or INIS usage and hence its earliest possible appearance in the respective data base, provided its introduction occurred after 30 June 1975. If the descriptor is not followed by a date, it already existed in the thesaurus on 30 June 1975. In April 2000, a major addition of terminology from the Energy Technology Data Exchange (ETDE) thesaurus took place. These terms can be identified by the INIS date (Apr 2000). When searching for entries in the alphabetic listing, users should take note of the sort order, which is as follows:

space, asterisk *, dash (hyphen) -
Arabic numerals 0-9
Roman alphabet A-Z

It should be noted that numbers in sequence that include single digits as well as multiple digits will sort on the initial digit first. Thus, for example, the isotopes BORON 10 and BORON 19 appear before BORON 7 and BORON 9. In the same way, RUTHENIUM 100 will appear before RUTHENIUM 88. Finally, all terms in which the initial character is a number appear before the letter A.

[1] SC/WS/555: Guidelines for the Establishment and Development of Monolingual Thesauri: United Nations Educational, Scientific and Cultural Organization, Paris, September 1973.

0-9

1-dimensional calculations
Use one-dimensional calculations

1-NITROSO-2-NAPHTHOL
UF *alpha-nitroso-beta-naphthol*
UF *anbn*
*BT1 naphthols
*BT1 nitroso compounds
BT1 reagents

1-propanol
Use propanols

1,1-diethoxyethane
Use acetal

1,2-dihydroxyanthraquinone
Use alizarin

1,2-dihydroxybenzene
Use pyrocatechol

1,2-dimethoxyethane
Use dme

1,2-diphenylethane
Use bibenzyl

1,2-diphenylethylene
Use stilbene

1,2-ethanedial
Use glyoxal

1,2-ethanediol
Use glycols

1,2-ethanedithiol
Use dithiols

1,2,3-propanetriol
Use glycerol

1,2,3-trihydroxybenzene
Use pyrogallol

1,2,4,5-tetramethylbenzene
Use durene

1,3-diazines
Use pyrimidines

1,3-dihydroxybenzene
Use resorcinol

1,3-dimethylxanthine
Use theophylline

1,3,5-triamino-2,4,6-trinitrobenzene
Use tatb

1,3,5-trimethylbenzene
Use mesitylene

1,3,7-trimethylxanthine
Use caffeine

1,4-diaminobutane
Use putrescine

1,4-diazines
Use pyrazines

1,4-dihydroxyanthraquinone
Use quinizarin

1,4-dioxane
Use dioxane

1,5-diaminopentane
Use cadaverine

1/v law
Use reciprocal v law

2-2-DIMETHYLPROPANE
UF *2,2-dimethylpropane*
UF *dimethylpropane (2,2-)*
UF *neopentane*
*BT1 alkanes

2-3-PENTANEDIONE
UF *acetyl propionyl*
UF *methyl ethyl diketone*
UF *pentanedione (2,3)*
*BT1 ketones

2-chloro-1,3-butadiene
Use neoprene

2-dimensional calculations
Use two-dimensional calculations

2-furalaldehyde
Use furfural

2-mercaptopropionylglycine
Use mpg

2-methylbutadiene
Use isoprene

2-METHYLBUTANE
INIS: Sep 1983; ETDE: Sep 1979
UF *isopentane*
UF *methylbutane (2-)*
*BT1 alkanes

2-METHYLPROPANE
UF *isobutane*
UF *methylpropane (2-)*
*BT1 alkanes

2-METHYLPROPANOL
UF *isobutyl alcohol*
UF *methylpropanol (2-)*
*BT1 alcohols

2-METHYLPROPENE
UF *isobutylene*
UF *methylpropene (2-)*
*BT1 alkenes

2-methylquinoline
Use quinaldine

2-nitroinidazole
Use misonidazole

2-propanol
Use propanols

2-pyridinecarboxylic acid
Use picolinic acid

2-pyrrolidinecarboxylic acid
Use proline

2,2-dimethylpropane
Use 2-2-dimethylpropane

2,2-dithiobisethylamine
Use cystamine

2,3,4,7-dibenzoanthracene
Use pentacene

2,4-pentanedione
Use acetylacetone

2,5-diaminovaleric acid
Use ornithine

2X DEVICES
*BT1 magnetic mirrors

3-dimensional calculations
Use three-dimensional calculations

3-METHYLCHOLANTHRENE
INIS: Feb 1982; ETDE: Jul 1979
*BT1 condensed aromatics
*BT1 polycyclic aromatic hydrocarbons
RT combustion products

3,4-dihydroxyphenylalanine
Use dopa

3,7-dimethylxanthine
Use theobromine

3j-symbols
Use clebsch-gordan coefficients

4-dimensional calculations
Use four-dimensional calculations

5-amino-2,3-dihydro-1,4-pthalazine-dione
Use luminol

5-methyl uracil
Use thymine

5-methyluracil
Use thymine

5U PELLETRON ACCELERATOR
INIS: Feb 1980; ETDE: Mar 1980
*BT1 pelletron accelerators

6-aminopurine
Use adenines

6-carboxyuracil
Use orotic acid

6-furfurylaminopurine
Use kinetin

6j-symbols
Use racah coefficients

710 reactor
See enriched uranium reactors
OR fast reactors
OR gas cooled reactors
OR mobile reactors
OR propulsion reactors

8-hydroxyquinoline
Use oxine

8-hydroxyxanthine
Use uric acid

8-quinolinol
Use oxine

9j-symbols
Use wigner coefficients

A

a-1 reactor (bohunice)
Use bohunice a-1 reactor

a-1 reactor (calder hall)
Use calder hall a-1 reactor

a-15 compounds
Use beta-w lattices

a-2 reactor (bohunice)
Use bohunice a-2 reactor

a-2 reactor (calder hall)
Use calder hall a-2 reactor

a 285 steel
Use steel-astm-a285

A-BOMB SURVIVORS
INIS: Apr 2000; ETDE: May 1979
*BT1 human populations
RT delayed radiation effects
RT epidemiology
RT hiroshima
RT little boy
RT nagasaki

A CENTERS
INIS: Aug 1982; ETDE: Feb 1975
*BT1 color centers

A CODES
BT1 computer codes

a resonances
Use mesons

A0-980 MESONS
(Prior to December 1987 this concept was indexed by DELTA-966 RESONANCES.)
UF *delta-966 resonances*
*BT1 scalar mesons

a1-1070 resonances
Use a1-1260 mesons

A1-1260 MESONS
(Until December 1987 this concept was indexed by A1-1070 RESONANCES; from then until July 1995 it was indexed by A1-1270 MESONS.)
UF *a1-1070 resonances*
UF *a1-1270 mesons*
*BT1 axial vector mesons

a1-1270 mesons
Use a1-1260 mesons

a2-1310 resonances
Use a2-1320 mesons

A2-1320 MESONS
(Prior to December 1987 this concept was indexed by A2-1310 RESONANCES.)
UF *a2-1310 resonances*
*BT1 tensor mesons

a2h-1320 resonances
Use mesons

a2l-1280 resonances
Use mesons

a3 resonances
Use pi2-1670 mesons

a4-1960 resonances
Use a4-2040 mesons

A4-2040 MESONS
(Prior to December 1987 this concept was indexed by A4-1960 RESONANCES.)
UF *a4-1960 resonances*
*BT1 tensor mesons

A6-2450 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 tensor mesons

AABO CYCLOTRON
UF *turku cyclotron*
*BT1 isochronous cyclotrons

aaec
Use ansto

aaf
Use acetylaminofluorenes

AAPS
INIS: Apr 2000; ETDE: May 1979
UF *advanced automotive propulsion systems*
RT automotive industry
RT electric-powered vehicles
RT gas turbine engines
RT internal combustion engines
RT stirling engines

AARR REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *argonne tank research and test reactor-aarr*
*BT1 research reactors
*BT1 tank type reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

ABACC
INIS: Jun 1999; ETDE: Jun 1999
(Agencia Brasiliero-Argentina de Contabilidade e Controle de Materiais Nucleares.)
UF *agencia brasil-argentina contabil controle mater nuclear*
UF *argentina-brasil agencia contabil controle mater nuclear*
UF *brasil-argentina agencia contabil controle mater nuclear*
UF *nuclear mater, agencia brasil-argentina contabil controle*
BT1 international organizations
RT safeguards

ABANDONED SHAFTS
INIS: Dec 1991; ETDE: Dec 1977
UF *disused mineshafts*
*BT1 mine shafts
RT coal mines
RT mines

ABANDONED SITES
INIS: Dec 1980; ETDE: Oct 1978
RT land reclamation
RT remedial action

ABANDONED WELLS
INIS: Mar 1992; ETDE: Aug 1977
(An oil or gas well that has been abandoned because its yield has fallen below that necessary for profitable production.)
BT1 wells
RT natural gas wells
RT oil wells

abashian-booth-crowe effect
Use abc effect

ABC EFFECT
INIS: Sep 1977; ETDE: Nov 1977
UF *abashian-booth-crowe effect*
RT interactions
RT missing-mass spectra
RT pions

ABDOMEN
BT1 body
RT diaphragm
RT gastrointestinal tract
RT liver
RT peritoneum
RT spleen

aberdeen maryland reactor
Use aprf reactor

aberration yield
Use mutation frequency

ABFST EQUATION
(Amati-Bertocchi-Fabini-Strangellini-Tonin Equation.)
BT1 equations
RT multiperipheral model
RT regge poles
RT scattering amplitudes

abies
Use firs

ABIOGENIC GAS
INIS: Apr 2000; ETDE: May 1982
(Methane deposits at great depths within the earth due to nonbiogenic processes.)
*BT1 natural gas

ABLATION
(For the medical concept use SURGERY or RADIOTHERAPY.)
RT erosion
RT heat transfer
RT reentry
RT refractories
RT sublimation heat

abmr method
Use atomic beams
AND magnetic resonance

abnormalities (chromosomal)
Use chromosomal aberrations

abnormalities (developmental)
Use malformations

ABORTION
RT pregnancy
RT reproductive disorders

abragam model
Use abragam-pound theory

ABRAGAM-POUND THEORY
UF *abragam model*
RT angular correlation
RT angular distribution

ABRASION
RT abrasives
RT erosion
RT wear

ABRASIVES
(From April 1975 till March 1997 PUMICE was a valid ETDE descriptor.)
SF *pumice*
RT abrasion

ABRIKOSOV THEORY
- *RT* magnetic properties
- *RT* superconductivity
- *RT* superconductors

ABS
- UF *alkyl benzenesulfonates*
- *BT1 sulfonic acid esters

ABSCESSES
- BT1 pathological changes

ABSCISIC ACID
INIS: Apr 2000; ETDE: May 1985
(A plant hormone that promotes abscission and plant dormancy.)
- *BT1 monocarboxylic acids
- BT1 plant growth regulators
- *RT* auxins
- *RT* hormones

ABSCOPAL RADIATION EFFECTS
- *BT1 biological radiation effects
- *RT* local irradiation
- *RT* partial body irradiation
- *RT* radiotoxins

ABSOLUTE COUNTING
- BT1 counting techniques
- *RT* calibration

ABSOLUTE INSTABILITIES
(A class of plasma instabilities growing exponentially with time at any point in space; opposite to CONVECTIVE INSTABILITIES.)
- *BT1 plasma instability
- *RT* briggs criterion
- *RT* convective instabilities

absolute liability
- Use liabilities

absolute zero temperature
- Use temperature zero k

absorbed doses
- Use radiation doses

absorbed fraction (internal irradiation)
- Use internal irradiation
- AND spatial dose distributions

ABSORBER PELLETS
Oct 2003
- BT1 neutron absorbers
- BT1 pellets

absorbers (solar)
- Use solar absorbers

ABSORPTION
- UF *stopping*
- BT1 sorption
- **NT1** energy absorption
- **NT1** intestinal absorption
- **NT1** k absorption
- **NT1** polar-cap absorption
- **NT1** resonance absorption
- **NT1** root absorption
- **NT1** self-absorption
- **NT1** skin absorption
- *RT* absorption spectra
- *RT* absorptivity
- *RT* half-thickness
- *RT* heterogeneous effects
- *RT* point kernels
- *RT* radiations
- *RT* range
- *RT* self-shielding
- *RT* shielding
- *RT* sinks
- *RT* slowing-down
- *RT* stopping power
- *RT* transmission

absorption (intestinal)
- Use intestinal absorption

absorption (leaves)
- Use foliar uptake

absorption (root)
- Use root absorption

absorption (skin)
- Use skin absorption

ABSORPTION HEAT
- UF *heat of absorption*
- *BT1 enthalpy
- *BT1 heat
- *RT* wetting heat

absorption model
- Use linear absorption models

absorption models (linear)
- Use linear absorption models

ABSORPTION REFRIGERATION CYCLE
INIS: Apr 1992; ETDE: May 1978
- BT1 thermodynamic cycles
- *RT* air conditioners
- *RT* cooling systems
- *RT* refrigerating machinery
- *RT* refrigeration
- *RT* refrigerators

ABSORPTION SPECTRA
- UF *spectra (absorption)*
- BT1 spectra
- *RT* absorption
- *RT* absorption spectroscopy
- *RT* optical depth curve
- *RT* spectroscopic curve of growth

ABSORPTION SPECTROSCOPY
- UF *atomic absorption spectroscopy*
- UF *colorimetry*
- SF *spectrochemistry*
- BT1 spectroscopy
- *RT* absorption spectra
- *RT* double resonance methods
- *RT* extreme ultraviolet spectra
- *RT* infrared spectra
- *RT* laser spectroscopy
- *RT* photoacoustic spectrometers
- *RT* structural chemical analysis
- *RT* ultraviolet spectra

ABSORPTIVITY
INIS: Jan 1993; ETDE: Sep 1975
(Ratio of energy absorbed to energy incident upon a surface.)
- BT1 physical properties
- BT1 surface properties
- *RT* absorption
- *RT* optical properties
- *RT* spectral reflectance

absorptivity (optical)
- *See* opacity

ABSTRACTS
(Use only for items about abstracts, not for items which are abstracts or collections of abstracts.)
- **NT1** leading abstract
- *RT* document types

abu dhabi
- Use united arab emirates

ABUNDANCE
INIS: Mar 1992; ETDE: Feb 1975
- SF *concentration*
- SF *concentration (analytical)*
- SF *concentration dependence*
- **NT1** element abundance
- *RT* chemical composition
- *RT* concentration ratio
- *RT* isotope ratio
- *RT* ore composition

abundance (chemical)
- Use chemical composition

abundance (element)
- Use element abundance

abundance (isotopic)
- Use isotope ratio

abundance (mineral)
- Use ore composition

AC AMPLIFIERS
- *BT1 amplifiers

AC LOSSES
INIS: Nov 1982; ETDE: Jun 1975
- *BT1 energy losses
- *RT* superconductivity

AC SYSTEMS
INIS: Dec 1991; ETDE: May 1976
- UF *alternating current systems*
- *BT1 power systems
- **NT1** ehv ac systems
- **NT1** hvac systems
- **NT1** uhv ac systems

ACCELERATION
- UF *deceleration*
- **NT1** plasma acceleration
- *RT* accelerators
- *RT* gravimetry
- *RT* velocity
- *RT* wakefield accelerators

ACCELERATOR BREEDERS
INIS: Jul 1978; ETDE: Jan 1978
(Accelerators used in the production of fissionable materials.)
- *RT* accelerator driven transmutation
- *RT* accelerators
- *RT* breeder reactors
- *RT* breeding
- *RT* fissionable materials
- *RT* nuclear fuels

ACCELERATOR DRIVEN TRANSMUTATION
INIS: Mar 2000; ETDE: Nov 1999
- UF *accelerator driven transmutation technologies*
- UF *adtt*
- BT1 transmutation
- *RT* accelerator breeders
- *RT* accelerators
- *RT* radioactive waste processing

accelerator driven transmutation technologies
- Use accelerator driven transmutation

ACCELERATOR FACILITIES
- UF *experimental facilities (accelerator)*
- UF *facilities (accelerator)*
- **NT1** target chambers
- *RT* accelerators

RT advanced light source
RT advanced photon source
RT beam dumps
RT beam monitors
RT laboratory equipment
RT pigmi facilities
RT pohang light source
RT reaction product transport systems
RT stanford linear collider
RT swiss light source

accelerator pulsed fast assembly

Use apfa-3 reactor

ACCELERATORS

NT1 coherent accelerators
NT1 collective accelerators
NT2 electron-ring accelerators
NT2 ionization front accelerators
NT2 plasma betatrons
NT1 cyclic accelerators
NT2 betatrons
NT2 bevalac
NT2 cyclotrons
NT3 cracow u-120 cyclotron
NT3 isochronous cyclotrons
NT4 aabo cyclotron
NT4 alice cyclotron
NT4 brookhaven cyclotron
NT4 cracow aic-144 cyclotron
NT4 crnl superconducting cyclotron
NT4 cyclone cyclotron
NT4 debrecen cyclotron
NT4 eindhoven cyclotron
NT4 ganil cyclotron
NT4 grenoble cyclotron
NT4 haizy cyclotron
NT4 hirfl cyclotron
NT4 inr cyclotron
NT4 ipcr cyclotron
NT4 iu cyclotron
NT4 jinr cyclotrons
NT5 jinr u-400 cyclotron
NT4 julic cyclotron
NT4 karlsruhe cyclotron
NT4 kazakhstan cyclotron
NT4 kiev cyclotron
NT4 kvi cyclotron
NT4 milan superconducting cyclotron
NT4 msu cyclotrons
NT4 munich compact cyclotron
NT4 munich suse cyclotron
NT4 nac cyclotron
NT4 nirs cyclotron
NT4 nrl cyclotron
NT4 ornl isochronous cyclotron
NT4 orsay cyclotron
NT4 oslo cyclotron
NT4 princeton cyclotron
NT4 rcnp cyclotron
NT4 sara cyclotron
NT4 sin cyclotron
NT4 texas a and m cyclotron
NT4 texas superconducting cyclotron
NT4 tohoku cyclotron
NT4 tokyo ins cyclotron
NT4 triumf cyclotron
NT4 uclrl cyclotrons
NT5 lbl 88-inch cyclotron
NT4 warsaw cyclotron
NT3 microtrons
NT4 racetrack microtrons
NT3 nbi cyclotron
NT3 separated orbit cyclotrons
NT3 superconducting cyclotrons
NT4 milan superconducting cyclotron
NT4 texas superconducting cyclotron
NT3 variable energy cyclotrons
NT4 calcutta cyclotron
NT4 chandigarh cyclotron
NT2 synchrocyclotrons
NT3 berkeley synchrocyclotron
NT3 cern synchrocyclotron
NT3 dubna synchrocyclotron
NT3 harvard synchrocyclotron
NT3 harwell synchrocyclotron
NT3 iko synchrocyclotron
NT3 leningrad synchrocyclotron
NT3 mcgill synchrocyclotron
NT3 orsay synchrocyclotron
NT3 uppsala synchrocyclotron
NT2 synchrotrons
NT3 bevatron
NT3 bonn synchrotron
NT3 brookhaven ags
NT3 cambridge electron accelerator
NT3 cern lhc
NT3 cern ps synchrotron
NT3 cern sps synchrotron
NT3 cornell 10-gev synchrotron
NT3 cosmotron
NT3 cosy storage ring
NT3 desy
NT3 erevan synchrotron
NT3 escar storage ring
NT3 fermilab accelerator
NT3 fermilab tevatron
NT3 fian synchrotron
NT3 frascati synchrotron
NT3 himac accelerator
NT3 ipns-i synchrotron
NT3 itep synchrotron
NT3 jinr synchrotron
NT3 kek synchrotron
NT3 lampf ii synchrotron
NT3 lep storage rings
NT3 lusy
NT3 mura synchrotron
NT3 nimrod
NT3 nina
NT3 pakhra synchrotron
NT3 princeton synchrotron
NT3 saturne
NT3 saturne ii
NT3 serpukhov synchrotron
NT3 serpukhov tevatron
NT3 sis synchrotron
NT3 superconducting super collider
NT3 tokyo synchrotron
NT3 tomsk synchrotron
NT3 zgs
NT1 electrostatic accelerators
NT2 cockcroft-walton accelerators
NT2 dynamitrons
NT2 pelletron accelerators
NT3 5u pelletron accelerator
NT2 tandem electrostatic accelerators
NT3 antares tandem accelerator
NT3 crnl mp tandem accelerator
NT3 jaeri tandem accelerator
NT3 orsay tandem accelerator
NT3 vivitron tandem accelerator
NT2 van de graaff accelerators
NT3 crnl mp tandem accelerator
NT3 jaeri tandem accelerator
NT3 orsay tandem accelerator
NT3 vivitron tandem accelerator
NT1 heavy ion accelerators
NT2 brookhaven rhic
NT2 calcutta cyclotron
NT2 cracow u-120 cyclotron
NT2 crnl superconducting cyclotron
NT2 cyclone cyclotron
NT2 ganil cyclotron
NT2 hhirf accelerator
NT2 hilacs
NT3 atlas superconducting linac
NT3 superhilac
NT2 himac accelerator
NT2 hirfl cyclotron
NT2 ipcr cyclotron
NT2 jinr u-400 cyclotron
NT2 kvi cyclotron
NT2 milan superconducting cyclotron
NT2 munich suse cyclotron
NT2 nac cyclotron
NT2 numatron accelerator
NT2 rcnp cyclotron
NT2 rilac
NT2 sis synchrotron
NT2 texas superconducting cyclotron
NT2 tohoku cyclotron
NT2 tokyo ins cyclotron
NT2 unilac
NT2 vicksi accelerator
NT2 warsaw cyclotron
NT1 linear accelerators
NT2 anu superconducting linac
NT2 beat wave accelerators
NT2 beijing electron-positron collider
NT2 beijing proton linac
NT2 brookhaven 200-mev linac
NT2 cebaf accelerator
NT2 cern linac
NT2 fmit linac
NT2 frascati linac
NT2 hilacs
NT3 atlas superconducting linac
NT3 superhilac
NT2 jaeri linac
NT2 kek linac
NT2 kharkov linac
NT2 lampf linac
NT2 linear colliders
NT3 stanford linear collider
NT2 llnl advanced test accelerator
NT2 mea linac
NT2 mit bates linac
NT2 nrl linac
NT2 orela
NT2 orsay linac
NT2 quadrupole linacs
NT2 rilac
NT2 saclay linac
NT2 stanford 1.2-gev linac
NT2 stanford 20-gev linac
NT2 swierk linac
NT2 unilac
NT2 wakefield accelerators
NT1 meson factories
NT2 lampf ii synchrotron
NT2 lampf linac
NT2 pigmi facilities
NT1 particle beam fusion accelerator
NT1 railgun accelerators
RT acceleration
RT accelerator breeders
RT accelerator driven transmutation
RT accelerator facilities
RT beam dumps
RT beam dynamics
RT beam separators
RT impact fusion drivers
RT isotope production
RT particle boosters
RT storage rings
RT target chambers
RT vacuum systems

ACCELEROMETERS

BT1 measuring instruments
RT velocimeters

acceptance (beam)

Use beam acceptance

access denial systems
Use entry control systems

ACCIDENT INSURANCE
INIS: Dec 1976; ETDE: Oct 1990
BT1 insurance
RT accidents

accidental intake
Use accidents
AND single intake

accidental irradiation
Use irradiation
AND radiation accidents

ACCIDENTS
UF *aircraft accidents*
UF *emergencies*
UF *incidents*
UF *marine vehicle accidents*
UF *nuclear accidents*
UF+ *accidental intake*
SF *disasters*
NT1 blowouts
NT1 chemical spills
NT1 gas spills
NT1 hazardous materials spills
NT1 industrial accidents
NT1 motor vehicle accidents
NT1 oil spills
NT1 radiation accidents
NT1 reactor accidents
NT2 design basis accidents
NT3 atws
NT3 maximum credible accident
NT2 excursions
NT2 loss of coolant
NT2 loss of flow
NT2 meltdown
NT2 power-cooling-mismatch accidents
NT2 reactor core disruption
NT2 rod drop accidents
NT2 rod ejection accidents
NT2 transient overpower accidents
RT accident insurance
RT aerial monitoring
RT environment
RT evacuation
RT explosions
RT failures
RT fallout
RT fires
RT first aid
RT fission products
RT hazards
RT human factors
RT human factors engineering
RT industrial medicine
RT injuries
RT insurance
RT liabilities
RT mine rescue
RT nuclear damage
RT outages
RT population relocation
RT preventive medicine
RT public anxiety
RT radiation protection
RT radioactive clouds
RT reactor safety
RT safety
RT single intake
RT site selection
RT victims compensation
RT workmens compensation

acclimation
Use biological adaptation

accountability
See liabilities
OR nuclear materials management
OR personnel management

accountability (legal)
Use liabilities

accountability (nuclear materials)
Use nuclear materials management

accountability (personnel)
Use personnel management

ACCOUNTING
UF *bookkeeping*
NT1 energy accounting
RT afudc
RT amortization
RT audits
RT cwip
RT debt collection
RT inventories
RT invoices
RT losses
RT management
RT material balance
RT material unaccounted for
RT nuclear materials management
RT procurement
RT safeguards
RT us gao

accretion (planet-system)
Use planet-system accretion

accretion (stars)
Use star accretion

ACCRETION DISKS
INIS: Apr 1982; ETDE: May 1982
(Disks of matter which sometimes surround certain celestial objects, e.g. neutron stars.)
UF *disks (accretion)*
RT black holes
RT cosmic x-ray sources
RT eruptive variable stars
RT neutron stars
RT star accretion
RT symbiotic stars

accumulation
Use buildup

accumulation (radioecological)
Use radioecological concentration

accumulators
Use tanks

accumulators (electric batteries)
Use electric batteries

ACCURACY
UF *precision*
RT calibration
RT calibration standards
RT data covariances
RT errors
RT inspection
RT reliability
RT resolution
RT sensitivity
RT signal-to-noise ratio
RT specificity
RT tolerance

ACENAPHTHENE
*BT1 condensed aromatics
*BT1 hydrocarbons
RT naphthalene

aces
Use quarks

ACETABULARIA
*BT1 chlorophycota

ACETAL
UF *1,1-diethoxyethane*
*BT1 acetals
RT acetaldehyde

ACETALDEHYDE
UF *acetic aldehyde*
UF *ethanal*
UF *ethylaldehyde*
*BT1 aldehydes
RT acetal
RT chloral

ACETALS
*BT1 ethers
NT1 acetal
RT polyacetals

ACETAMIDE
*BT1 amides
RT acetic acid

ACETATES
BT1 carboxylic acid salts
RT acetic acid esters

ACETIC ACID
*BT1 monocarboxylic acids
RT acetamide
RT acetolysis
RT acetonitrile

ACETIC ACID ESTERS
(Prior to March 1997 isopentyl acetate was a valid ETDE descriptor.)
UF *amyl acetate*
UF *isoamyl acetate*
UF *isopentyl acetate*
*BT1 carboxylic acid esters
NT1 methyl acetate
RT acetates

acetic aldehyde
Use acetaldehyde

ACETOACETATES
BT1 carboxylic acid salts

ACETOACETIC ACID
UF *ketobutyric acid-beta*
*BT1 keto acids

ACETOACETIC ACID ESTERS
*BT1 carboxylic acid esters

ACETOLYSIS
*BT1 solvolysis
RT acetic acid

ACETONE
UF *dimethyl ketone*
UF *oxopropane*
UF *propanone*
*BT1 ketones

ACETONITRILE
INIS: Jul 1981; ETDE: Jul 1981
*BT1 nitriles
RT acetic acid

acetophenetidin
Use analgesics
AND antipyretics

ACETOPHENONE
UF *acetylbenzene*

UF *methyl phenyl ketone*
*BT1 aromatics
*BT1 ketones

acetyl propionyl
Use 2-3-pentanedione

ACETYL RADICALS
*BT1 acyl radicals

ACETYLACETONE
UF *2,4-pentanedione*
BT1 chelating agents
*BT1 ketones
BT1 reagents

ACETYLAMINOFLUORENES
INIS: Apr 2000; ETDE: Sep 1985
UF *aaf*
RT carcinogens
RT polycyclic aromatic amines

ACETYLATION
*BT1 acylation

acetylbenzene
Use acetophenone

ACETYLCHOLINE
*BT1 esters
*BT1 neuroregulators
*BT1 parasympathomimetics
*BT1 quaternary compounds
RT choline
RT cholinesterase

ACETYLENE
UF *ethine*
UF *ethyne*
*BT1 alkynes
RT polyacetylenes

acetylenes
Use alkynes

acetylpropionic acid-beta
Use levulinic acid

ACETYLSALICYLIC ACID
INIS: Feb 1976; ETDE: Mar 1976
UF *aspirin*
*BT1 analgesics
*BT1 antipyretics
*BT1 hydroxy acids

achiral
Use racemates

ACHOLEPLASMA LAIDLAWII B
*BT1 mycoplasma

ACHONDRITES
*BT1 stone meteorites

ACHROMATIC LESIONS
RT chromatin

ACID ANHYDRASES
INIS: Dec 1986; ETDE: Jan 1981
(Code number 3.6.)
*BT1 hydrolases
NT1 gtp-ases
NT1 phosphohydrolases
NT2 atp-ase

ACID CARBONATES
INIS: Aug 1981; ETDE: Jul 1977
(Prior to December 1985 BICARBONATES was used for this concept.)
UF *bicarbonates*
RT acid neutralizing capacity
RT carbonates
RT inorganic acids

acid chrome dyes
Use azo dyes
AND naphthols
AND sulfonic acids

ACID ELECTROLYTE FUEL CELLS
INIS: May 1992; ETDE: Jan 1975
*BT1 fuel cells

acid halides
Use carboxylic acids
AND halides

ACID HYDROLYSIS
INIS: Jan 1992; ETDE: May 1976
*BT1 hydrolysis
RT alkaline hydrolysis
RT enzymatic hydrolysis

ACID MINE DRAINAGE
INIS: Mar 1992; ETDE: Jan 1976
RT coal mining
RT land pollution
RT liquid wastes
RT mine draining
RT mining
RT spoil banks
RT waste water
RT water pollution

ACID NEUTRALIZING CAPACITY
INIS: Apr 1992; ETDE: Aug 1984
(The total quantity of base in natural waters, usually in equilibrium with carbonate or bicarbonate, as determined by titration with strong acid.)
UF *alkalinity*
*BT1 water chemistry
RT acid carbonates
RT acid rain
RT bases
RT buffers
RT carbonates
RT geochemistry
RT limnology
RT organic matter
RT ph value
RT soils
RT titration

ACID PHOSPHATASE
(Code number 3.1.3.2.)
*BT1 phosphatases

acid phosphates
Use phosphates

ACID PROTEINASES
INIS: Dec 1986; ETDE: Jan 1981
(Code number 3.4.23.)
*BT1 peptide hydrolases
NT1 pepsin

ACID RAIN
INIS: Aug 1991; ETDE: Mar 1976
*BT1 rain
RT acid neutralizing capacity
RT air pollution
RT climatic change
RT interception
RT throughfall
RT us napap

acid silicates
Use silicates

ACID SULFATES
INIS: Apr 2000; ETDE: Mar 1978
UF *bisulfates*
*BT1 sulfates
RT inorganic acids
RT sulfuric acid

ACID SULFITES
INIS: Apr 2000; ETDE: Jan 1982
*BT1 sulfites
RT inorganic acids
RT sulfuric acid

ACIDIFICATION
INIS: Mar 1983; ETDE: Dec 1977
(The act or process of acidifying.)
RT chemical reactions
RT inorganic acids
RT organic acids

acidity
Use ph value

ACIDIZATION
INIS: Jan 1992; ETDE: Mar 1976
(Treatment of a reservoir formation with acid to assist the flow of crude oil or gas by improving the permeability of the reservoir rock.)
RT enhanced recovery
RT natural gas deposits
RT petroleum deposits
RT well stimulation

acids (inorganic)
Use inorganic acids

acids (organic)
Use organic acids

ACO
BT1 storage rings

ACOUSTIC AGGLOMERATORS
INIS: Apr 2000; ETDE: Aug 1981
*BT1 pollution control equipment
RT aerosols
RT dusts
RT hot gas cleanup
RT sound waves

ACOUSTIC DETECTION
INIS: Jun 1983; ETDE: Sep 1979
(Charged particle detection technique based on sonic signal produced by charged particles traversing fluid media.)
BT1 acoustic measurements
*BT1 charged particle detection
RT acoustic monitoring
RT dumand project
RT sound waves

acoustic electron spin resonance
Use acoustic esr

ACOUSTIC EMISSION TESTING
*BT1 acoustic testing

ACOUSTIC ESR
UF *acoustic electron spin resonance*
UF *aepr*
UF *aesr*
UF *paramagnetic resonance (electron acoustic)*
SF *electron-spin echo*
*BT1 electron spin resonance
RT attenuation
RT phonons
RT resonance scattering
RT sound waves

ACOUSTIC HEATING
*BT1 magnetic-pumping heating

ACOUSTIC INSULATION
UF *insulation (acoustic)*
UF *soundproofing*
RT acoustic measurements
RT acoustic monitoring
RT acoustics

ACOUSTIC MEASUREMENTS
INIS: Sep 1991; ETDE: Jul 1976
(Measurements of properties, quantities, or conditions of acoustical, i.e. Mechanical, waves.)
UF *sonic measurements*
NT1 acoustic detection
RT acoustic insulation
RT acoustic monitoring
RT acoustic testing
RT noise dosemeters
RT seismic surveys
RT seismographs
RT sonic logging
RT sonic probes
RT sound waves
RT ultrasonic testing

ACOUSTIC MICROSCOPY
INIS: Apr 1993; ETDE: Jul 1984
UF *scanning acoustic microscopy*
BT1 microscopy
RT acoustic testing
RT mechanical properties

ACOUSTIC MONITORING
UF *microseismic monitoring*
BT1 monitoring
RT acoustic detection
RT acoustic insulation
RT acoustic measurements
RT in core instruments
RT reactor instrumentation
RT reactor monitoring systems
RT sonic logging
RT sound waves

ACOUSTIC NMR
UF *acoustic nuclear magnetic resonance*
UF *anmr*
UF *nuclear acoustic resonance*
UF *paramagnetic resonance (nuclear acoustic)*
*BT1 nuclear magnetic resonance
RT attenuation
RT phonons
RT resonance scattering
RT sound waves

acoustic nuclear magnetic resonance
Use acoustic nmr

ACOUSTIC RADAR
INIS: May 1993; ETDE: Mar 1980
(Use of sound waves with RADAR techniques for remote probing of the lower atmosphere.)
*BT1 radar
RT meteorology
RT remote sensing
RT sound waves

acoustic spark chambers
Use sonic spark chambers

ACOUSTIC TESTING
*BT1 nondestructive testing
NT1 acoustic emission testing
NT1 ultrasonic testing
RT acoustic measurements
RT acoustic microscopy

ACOUSTICS
INIS: Mar 1992; ETDE: Jan 1976
NT1 magnetoacoustics
RT acoustic insulation
RT photoacoustic effect
RT sound waves
RT speech synthesizers

ACPR REACTOR
(Sandia Laboratories, Albuquerque, New Mexico, USA)
UF *acrr reactor*
UF *annular core pulse reactor*
UF *annular core research reactor*
*BT1 enriched uranium reactors
*BT1 hydride moderated reactors
*BT1 mixed spectrum reactors
*BT1 pulsed reactors
*BT1 research reactors
*BT1 solid homogeneous reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

acquired immunodeficiency syndrome
Use aids

acquired immunodeficiency virus
Use aids virus

acquisition (data)
Use data acquisition

acraldehyde
Use acrolein

ACRIDINE ORANGE
*BT1 acridines
*BT1 amines
BT1 dyes

ACRIDINES
UF+ *acridones*
*BT1 azaarenes
*BT1 pyridines
NT1 acridine orange
NT1 flavines
NT2 acriflavine
NT2 proflavine

acridones
Use acridines
AND ketones

ACRIFLAVINE
UF *euflavine*
UF *trypaflavine*
*BT1 flavines
RT proflavine

ACROCENTRIC CHROMOSOMES
BT1 chromosomes
RT chromosomal aberrations
RT karyotype

acroleic acid
Use acrylic acid

ACROLEIN
UF *acraldehyde*
UF *acrylic aldehyde*
UF *propenal*
*BT1 aldehydes
RT vinyl monomers

ACROMEGALY
*BT1 endocrine diseases
RT pituitary gland
RT sth

acrr reactor
Use acpr reactor

ACRYLAMIDE
*BT1 amides
RT acrylic acid
RT vinyl monomers

ACRYLATES
BT1 carboxylic acid salts
RT acrylic acid esters
RT vinyl monomers

ACRYLIC ACID
UF *acroleic acid*
UF *ethylenecarboxylic acid*
*BT1 monocarboxylic acids
RT acrylamide
RT acrylonitrile
RT vinyl monomers

ACRYLIC ACID ESTERS
*BT1 carboxylic acid esters
RT acrylates
RT vinyl monomers

acrylic aldehyde
Use acrolein

acrylic polymers
Use polyacrylates

ACRYLONITRILE
UF *vinyl cyanide*
*BT1 nitriles
RT acrylic acid
RT organic polymers
RT vinyl monomers

ACT DEVICES
INIS: Dec 1985; ETDE: Aug 1985
(Advanced Concept Torus.)
*BT1 tokamak devices

actf
Use advanced components test facility

ACTH
UF *adrenocorticotropic hormone*
*BT1 pituitary hormones
RT adrenal glands
RT corticosteroids
RT glucocorticoids

ACTIN
*BT1 proteins
RT muscles
RT tropomyosin

ACTINIDE ALLOYS
BT1 alloys
NT1 americium alloys
NT1 berkelium alloys
NT1 californium alloys
NT1 curium alloys
NT2 curium additions
NT1 einsteinium alloys
NT1 neptunium alloys
NT2 neptunium additions
NT1 plutonium alloys
NT2 plutonium base alloys
NT1 protactinium alloys
NT1 thorium alloys
NT2 magnesium alloy-hk31a
NT2 thorium additions
NT2 thorium base alloys
NT1 uranium alloys
NT2 uranium base alloys
NT3 alloy-u90nb7zr3
RT rare earth alloys

ACTINIDE BURNER REACTORS

INIS: Jul 1980; ETDE: Mar 1979

(Reactors which convert radioactive waste actinides to useful or less harmful elements by fission reactions.)

*BT1 fast reactors
RT radioactive waste disposal

ACTINIDE COMPLEXES

UF+ *lawrencium complexes*
BT1 complexes
NT1 actinium complexes
NT1 americium complexes
NT1 berkelium complexes
NT1 californium complexes
NT1 curium complexes
NT1 einsteinium complexes
NT1 fermium complexes
NT1 mendelevium complexes
NT1 neptunium complexes
NT2 neptunyl complexes
NT1 nobelium complexes
NT1 plutonium complexes
NT2 plutonyl complexes
NT1 protactinium complexes
NT1 thorium complexes
NT1 uranium complexes
NT2 uranyl complexes

ACTINIDE COMPOUNDS

NT1 actinium compounds
NT1 americium compounds
NT2 americium carbonates
NT2 americium chlorides
NT2 americium fluorides
NT2 americium hydrides
NT2 americium hydroxides
NT2 americium nitrates
NT2 americium nitrides
NT2 americium oxides
NT2 americium perchlorates
NT2 americium phosphates
NT1 berkelium compounds
NT2 berkelium chlorides
NT2 berkelium fluorides
NT2 berkelium nitrates
NT2 berkelium oxides
NT1 californium compounds
NT2 californium bromides
NT2 californium chlorides
NT2 californium fluorides
NT2 californium oxides
NT1 curium compounds
NT2 curium chlorides
NT2 curium fluorides
NT2 curium iodides
NT2 curium nitrates
NT2 curium oxides
NT1 einsteinium compounds
NT2 einsteinium bromides
NT2 einsteinium chlorides
NT2 einsteinium nitrates
NT2 einsteinium oxides
NT1 fermium compounds
NT2 fermium bromides
NT1 lawrencium compounds
NT1 mendelevium compounds
NT1 neptunium compounds
NT2 neptunium arsenides
NT2 neptunium bromides
NT2 neptunium carbides
NT2 neptunium carbonates
NT2 neptunium chlorides
NT2 neptunium fluorides
NT2 neptunium hydrides
NT2 neptunium hydroxides
NT2 neptunium iodides
NT2 neptunium nitrates
NT2 neptunium nitrides
NT2 neptunium oxides
NT2 neptunium perchlorates
NT2 neptunium phosphides
NT2 neptunium selenides
NT2 neptunium sulfates
NT2 neptunium sulfides
NT2 neptunium tellurides
NT2 neptunyl compounds
NT1 nobelium compounds
NT1 plutonium compounds
NT2 plutonium arsenides
NT2 plutonium borides
NT2 plutonium carbides
NT2 plutonium carbonates
NT2 plutonium chlorides
NT2 plutonium fluorides
NT2 plutonium hydrides
NT2 plutonium hydroxides
NT2 plutonium iodides
NT2 plutonium nitrates
NT2 plutonium nitrides
NT2 plutonium oxides
NT3 plutonium dioxide
NT2 plutonium phosphates
NT2 plutonium phosphides
NT2 plutonium selenides
NT2 plutonium sulfates
NT2 plutonium sulfides
NT2 plutonium tellurides
NT2 plutonyl compounds
NT1 protactinium compounds
NT2 protactinium bromides
NT2 protactinium chlorides
NT2 protactinium fluorides
NT2 protactinium oxides
NT1 thorium compounds
NT2 thorium arsenides
NT2 thorium borides
NT2 thorium bromides
NT2 thorium carbides
NT2 thorium carbonates
NT2 thorium chlorides
NT2 thorium fluorides
NT2 thorium hydrides
NT2 thorium hydroxides
NT2 thorium iodides
NT2 thorium nitrates
NT2 thorium nitrides
NT2 thorium oxides
NT3 thorotrast
NT2 thorium phosphates
NT2 thorium phosphides
NT2 thorium selenides
NT2 thorium silicates
NT2 thorium silicides
NT2 thorium sulfates
NT2 thorium sulfides
NT2 thorium tellurides
NT1 uranium compounds
NT2 uranates
NT3 ammonium uranates
NT4 adu
NT3 cesium uranates
NT3 lithium uranates
NT3 potassium uranates
NT3 rubidium uranates
NT3 sodium uranates
NT3 strontium uranates
NT2 uranium arsenides
NT2 uranium borides
NT2 uranium borohydrides
NT2 uranium bromides
NT2 uranium carbides
NT2 uranium carbonates
NT2 uranium chlorides
NT2 uranium fluorides
NT3 uranium hexafluoride
NT3 uranium pentafluoride
NT3 uranium tetrafluoride
NT2 uranium hydrides
NT2 uranium hydroxides
NT2 uranium iodides
NT2 uranium nitrates
NT2 uranium nitrides
NT2 uranium oxides
NT3 uranium dioxide
NT3 uranium oxides u3o8
NT3 uranium trioxide
NT2 uranium perchlorates
NT2 uranium peroxide
NT2 uranium phosphates
NT2 uranium phosphides
NT2 uranium selenides
NT2 uranium silicates
NT2 uranium silicides
NT2 uranium sulfates
NT2 uranium sulfides
NT2 uranium tellurides
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NT2 uranyl compounds
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NT3 uranyl carbonates
NT3 uranyl chlorides
NT3 uranyl fluorides
NT3 uranyl nitrates
NT4 unh
NT3 uranyl perchlorates
NT3 uranyl phosphates
NT3 uranyl silicates
NT3 uranyl sulfates

actinide isotopes

Use actinide nuclei

ACTINIDE NUCLEI

UF *actinide isotopes*
*BT1 heavy nuclei
NT1 actinium 207
NT1 actinium 208
NT1 actinium 209
NT1 actinium 210
NT1 actinium 211
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NT1 berkelium 250
NT1 berkelium 251
NT1 californium 238
NT1 californium 239
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NT1 curium 232
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NT1 lawrencium 252
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NT1 neptunium 243
NT1 neptunium 244
NT1 nobelium 250
NT1 nobelium 251
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NT1 nobelium 262
NT1 nobelium 264
NT1 plutonium 228
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NT1 protactinium 212
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NT1 protactinium 238
NT1 protactinium 239
NT1 thorium 212
NT1 thorium 213
NT1 thorium 214
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NT1 thorium 217
NT1 thorium 218
NT1 thorium 219
NT1 thorium 220
NT1 thorium 221
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NT1 thorium 238
NT1 uranium 218
NT1 uranium 219
NT1 uranium 222
NT1 uranium 223
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NT1 uranium 235
NT1 uranium 236
NT1 uranium 237
NT1 uranium 238
NT1 uranium 239
NT1 uranium 240
NT1 uranium 242

ACTINIDES
*BT1 metals
NT1 actinium
NT1 americium
NT1 berkelium
NT1 californium
NT1 curium
NT1 einsteinium
NT1 fermium
NT1 lawrencium
NT1 mendelevium
NT1 neptunium
NT2 neptunium-alpha
NT2 neptunium-gamma
NT1 nobelium
NT1 plutonium
NT2 plutonium-alpha
NT2 plutonium-beta
NT2 plutonium-delta
NT2 plutonium-epsilon
NT2 plutonium-gamma
NT1 protactinium
NT1 thorium
NT2 thorium-alpha
NT2 thorium-beta
NT1 uranium
NT2 depleted uranium
NT2 enriched uranium
NT3 highly enriched uranium
NT3 moderately enriched uranium
NT3 slightly enriched uranium
NT2 natural uranium
NT2 uranium-alpha
NT2 uranium-beta
NT2 uranium-gamma
RT transplutonium elements
RT transuranium elements

ACTINIUM
*BT1 actinides

ACTINIUM 207
INIS: Dec 1994; ETDE: Jan 1995
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

ACTINIUM 208
INIS: Dec 1994; ETDE: Jan 1995
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

ACTINIUM 209
INIS: May 1986; ETDE: Jul 1986
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

ACTINIUM 210
INIS: May 1986; ETDE: Jun 1989
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

ACTINIUM 211
INIS: May 1986; ETDE: Jul 1986
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

ACTINIUM 212
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

ACTINIUM 213
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

ACTINIUM 214
INIS: May 1986; ETDE: Jul 1986
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ACTINIUM 215
INIS: Jun 1982; ETDE: Jun 1982
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

ACTINIUM 216
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 microseconds living radioisotopes
*BT1 odd-odd nuclei

ACTINIUM 217
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 nanoseconds living radioisotopes
*BT1 odd-even nuclei

ACTINIUM 218
INIS: Mar 1977; ETDE: Dec 1976
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 microseconds living radioisotopes
*BT1 odd-odd nuclei

ACTINIUM 219
INIS: Jun 1985; ETDE: May 1985
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 microseconds living radioisotopes
*BT1 odd-even nuclei

ACTINIUM 220
INIS: Jul 1976; ETDE: May 1976
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

ACTINIUM 221
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

ACTINIUM 222
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ACTINIUM 223
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

ACTINIUM 224
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei

ACTINIUM 225
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 odd-even nuclei

ACTINIUM 226
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei

ACTINIUM 227
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 internal conversion radioisotopes
*BT1 odd-even nuclei
*BT1 years living radioisotopes

ACTINIUM 227 TARGET
INIS: Oct 1975; ETDE: Jul 1976
BT1 targets

ACTINIUM 228
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei

ACTINIUM 229
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-even nuclei

ACTINIUM 230
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

ACTINIUM 231
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

ACTINIUM 232
INIS: Jan 1978; ETDE: Jan 1975
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

ACTINIUM 233
INIS: Sep 1983; ETDE: Jan 1983
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

ACTINIUM 234
INIS: Jan 1986; ETDE: Feb 1986
*BT1 actinide nuclei
*BT1 actinium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

actinium a
Use polonium 215

actinium additions
Use alloys

actinium b
Use lead 211

actinium bromides
Use actinium compounds
AND bromides

actinium c
Use bismuth 211

actinium c/
Use polonium 211

actinium c//
Use thallium 207

actinium chlorides
Use actinium compounds
AND chlorides

ACTINIUM COMPLEXES
*BT1 actinide complexes

ACTINIUM COMPOUNDS
UF+ *actinium bromides*
UF+ *actinium chlorides*
UF+ *actinium fluorides*
UF+ *actinium hydrides*
UF+ *actinium hydroxides*
UF+ *actinium oxides*
UF+ *actinium sulfates*
BT1 actinide compounds

actinium d
Use lead 207

actinium fluorides
Use actinium compounds
AND fluorides

actinium hydrides
Use actinium compounds
AND hydrides

actinium hydroxides
Use actinium compounds
AND hydroxides

ACTINIUM IONS
*BT1 ions

ACTINIUM ISOTOPES
BT1 isotopes
NT1 actinium 207
NT1 actinium 208
NT1 actinium 209
NT1 actinium 210
NT1 actinium 211
NT1 actinium 212
NT1 actinium 213
NT1 actinium 214
NT1 actinium 215
NT1 actinium 216
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NT1 actinium 234

actinium k
Use francium 223

actinium oxides
Use actinium compounds
AND oxides

actinium sulfates
Use actinium compounds
AND sulfates

actinium x
Use radium 223

ACTINOMYCES
*BT1 bacteria
NT1 frankia
RT nocardia

ACTINOMYCIN
*BT1 antibiotics
*BT1 antimitotic drugs
*BT1 antineoplastic drugs

ACTION INTEGRAL
INIS: Jul 1986; ETDE: Apr 1986
(An integral associated with the trajectory of a system in configuration space, equal to the sum of the integrals of the generalized momenta of the system over their canonically conjugate coordinates.)
BT1 integrals
RT field theories
RT mechanics

ACTIVATED CARBON
BT1 adsorbents
*BT1 carbon
RT adsorption
RT charcoal

ACTIVATED SLUDGE PROCESS
INIS: Sep 1994; ETDE: Mar 1976
*BT1 waste processing
RT petroleum refineries
RT sewage

activation (chemical)
Use chemical activation

activation (radio)
Use radioactivation

ACTIVATION ANALYSIS
(Before the introduction of the specific narrower terms in November 1978, all types of activation analysis were indexed to the above descriptor.)
UF *analysis (activation)*
UF *radiochemical activation analysis*
*BT1 nondestructive analysis
NT1 charged-particle activation analysis
NT1 neutron activation analysis
NT1 photon activation analysis
RT crime detection
RT impurities
RT neutron activation analyzers
RT nuclear reaction analysis
RT qualitative chemical analysis
RT quantitative chemical analysis
RT radioactivation
RT substoichiometry

ACTIVATION DETECTORS
*BT1 neutron detectors
RT fission foil detectors
RT moderating detectors
RT radiator counters
RT threshold detectors

ACTIVATION ENERGY
UF *activation heat*
UF *reactivity (chemical)*
BT1 energy
RT arrhenius equation
RT chemical activation
RT chemical reaction kinetics
RT excitation
RT reaction kinetics

activation heat
Use activation energy

activity (optical)
Use optical activity

activity coefficient
Use reaction kinetics
AND thermodynamic activity

ACTIVITY LEVELS
INIS: Oct 1976; ETDE: Jan 1975
(May be used in any field. Prior to 1986 RADIOACTIVITY was used for this concept if appropriate.)
RT activity meters
RT enzyme activity
RT maximum permissible activity
RT radioactivity
RT solar activity

ACTIVITY METERS
*BT1 meters
RT activity levels
RT counting techniques

activity transport
Use radioactivity transport

ACTUATORS
INIS: Aug 1975; ETDE: Apr 1975
(Mechanism to activate process control equipment, e.g., valves.)
RT control equipment
RT servomechanisms
RT solenoids

ACUPUNCTURE
Jun 2003
BT1 medicine

ACUTE EXPOSURE
INIS: Dec 1985; ETDE: Jun 1978
(For acute exposure to radiation, use ACUTE IRRADIATION.)
NT1 acute irradiation
RT biological effects
RT dose-response relationships
RT environmental exposure
RT toxicity

ACUTE IRRADIATION
BT1 acute exposure
BT1 irradiation
RT latency period
RT radiation syndrome

ACYL RADICALS
(Prior to August 1996 BUTYRYL RADICALS was a valid ETDE descriptor.)
UF *butyryl radicals*
BT1 radicals
NT1 acetyl radicals
NT1 formyl radicals

ACYLATION
BT1 chemical reactions
NT1 acetylation
NT1 benzoylation

ADA
INIS: Apr 2000; ETDE: Dec 1985
BT1 programming languages

adamantane
Use cycloalkanes

adamellite
Use quartz monzonite

adapted swimming pool reactor austria
Use astra reactor

adaptive intrusion data systems
See intrusion detection systems

added mass effect
Use hydrodynamic mass effect

ADDITIVES
SF *chemicals*
NT1 demulsifiers
NT1 emulsifiers
NT2 detergents
NT3 pluronics
NT1 food additives
NT1 fuel additives
RT catalysts
RT preservatives
RT solutes
RT xenobiotics

ADDUCTS
(Chemical compounds with weak bonds, e.g. occlusive or Vander Waals bonds.)
NT1 dna adducts
RT chemical bonds
RT clathrates
RT complexes

ADENINES
UF *6-aminopurine*
*BT1 amines
*BT1 antimetabolites
*BT1 purines
NT1 kinetin
RT adenosine
RT adenylic acid
RT adp
RT amp
RT atp
RT vitamin b group

adenocarcinomas
Use carcinomas

ADENOMAS
*BT1 carcinomas
RT glands

ADENOSINE
*BT1 nucleosides
RT adenines
RT atp

adenosine diphosphate
Use adp

adenosine monophosphate
Use amp

adenosine triphosphatase
Use atp-ase

adenosine triphosphate
Use atp

ADENOVIRUS
*BT1 oncogenic viruses

ADENYLIC ACID
*BT1 nucleotides
RT adenines

adgezator
Use electron-ring accelerators

ADHESION
RT adhesives
RT agglomeration
RT bonding
RT coalescence
RT surface properties

ADHESIVES
RT adhesion
RT binders

ADIABATIC APPROXIMATION
UF *approximation (adiabatic)*
RT born-oppenheimer approximation
RT diabatic approximation
RT quantum mechanics
RT scattering

ADIABATIC COMPRESSION HEATING
*BT1 plasma heating

ADIABATIC DEMAGNETIZATION
UF *demagnetization (adiabatic)*
UF *magnetic cooling*
BT1 demagnetization
RT cryogenics
RT magnetism

ADIABATIC INVARIANCE
RT invariance principles
RT quantum mechanics

ADIABATIC PROCESSES
UF *processes (adiabatic)*
NT1 adiabatic surface ionization
RT isentropic processes
RT isothermal processes
RT thermodynamics

adiabatic reformer processes
Use autothermal reformer processes

ADIABATIC SURFACE IONIZATION
UF *asi*
BT1 adiabatic processes
*BT1 surface ionization

adiabatic toroidal compressors
Use atc devices

ADIP PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process for the substantial removal of hydrogen sulfide and the partial removal of incidental COS, carbon dioxide, and mercaptans.)
*BT1 desulfurization

ADIPIC ACID
*BT1 dicarboxylic acids

ADIPOSE TISSUE
*BT1 connective tissue
RT fat cells
RT fats
RT leptin

ADIRONDACK MOUNTAINS
INIS: Jun 1992; ETDE: Oct 1983
*BT1 appalachian mountains
RT new york

ADITYA TOKAMAK
INIS: Feb 1991; ETDE: Feb 1991
*BT1 tokamak devices

ADJOINT DIFFERENCE METHOD
BT1 calculation methods
RT neutron transport theory
RT one-dimensional calculations
RT three-dimensional calculations
RT two-dimensional calculations

ADJOINT FLUX
*BT1 neutron flux
RT neutron importance function
RT perturbation theory

adjustments
See administrative procedures

adl process
Use coal liquefaction

administration
Use management

ADMINISTRATIVE PROCEDURES
INIS: Dec 1983; ETDE: Dec 1979
(Adjustments, decisions and orders, disbursements, interventions, investigations, and notices have been valid descriptors.)
UF *interventions*
SF *adjustments*
SF *decisions and orders*
SF *disbursements*
SF *investigations*
SF *notices*
NT1 alternative work schedules
NT1 appeals
NT1 exceptions
NT1 license applications
NT1 licensing procedures

NT1 notification procedures
NT1 orders
NT1 prohibition orders
NT1 proposed remedial orders
NT1 sanctions
RT agreements
RT compliance
RT debt collection
RT enforcement
RT hearings
RT implementation
RT laws
RT leasing
RT legal aspects
RT regulations
RT reporting requirements
RT time delay
RT violations

ADOBE
INIS: Apr 2000; ETDE: Feb 1979
*BT1 building materials
RT bricks
RT clays

ADOLESCENTS
(Not limited to man, but referring to the stage between puberty and maturity.)
BT1 age groups
RT adults
RT children
RT education
RT juveniles
RT life cycle
RT man

ADONE
BT1 storage rings

ADP
UF *adenosine diphosphate*
*BT1 nucleotides
RT adenines

ADRENAL GLANDS
UF *cortex (adrenal)*
*BT1 endocrine glands
RT acth
RT adrenal hormones
RT adrenalectomy
RT androgens

ADRENAL HORMONES
BT1 hormones
NT1 adrenaline
NT1 corticosteroids
NT2 glucocorticoids
NT3 corticosterone
NT3 cortisone
NT3 dexamethasone
NT3 hydrocortisone
NT3 prednisolone
NT3 prednisone
NT2 mineralocorticoids
NT3 aldosterone
NT1 noradrenaline
RT adrenal glands
RT adrenalectomy
RT androgens
RT steroid hormones

ADRENALECTOMY
*BT1 surgery
RT adrenal glands
RT adrenal hormones
RT response modifying factors

ADRENALINE
UF *epinephrine*
*BT1 adrenal hormones
*BT1 cardiotonics
*BT1 neuroregulators
*BT1 sympathomimetics

adrenergics
Use sympathomimetics

adrenergics-blocking agents
Use sympatholytics

adrenocorticotropic hormone
Use acth

adriamycin
Use doxorubicin

ADRIATIC SEA
INIS: May 1992; ETDE: Oct 1975
*BT1 mediterranean sea
RT albania
RT italy

ADSORBENTS
NT1 activated carbon
NT1 bioadsorbents
NT1 charcoal
NT1 molecular sieves
NT1 silica gel
RT adsorption
RT chemisorption
RT diatomaceous earth
RT sorbent injection processes
RT sorbent recovery systems
RT sorptive properties

ADSORPTION
BT1 sorption
RT activated carbon
RT adsorbents
RT adsorption heat
RT adsorption isotherms
RT bioadsorbents
RT chemisorption
RT deposition
RT desorption
RT gettering
RT hygroscopicity
RT impregnation
RT molecular sieves
RT separation processes
RT silica gel
RT sorptive properties
RT surface properties
RT surfaces
RT van der waals forces

ADSORPTION HEAT
UF *heat of adsorption*
*BT1 enthalpy
RT adsorption

ADSORPTION ISOTHERMS
BT1 isotherms
RT adsorption

adsorptive properties
Use sorptive properties

adtt
Use accelerator driven transmutation

ADU
UF *ammonium diuranate*
*BT1 ammonium uranates

ADULTS
BT1 age groups
NT1 aged adults
NT2 elderly people
RT adolescents
RT life cycle
RT man
RT men
RT metamorphosis
RT populations
RT reference man
RT reproduction
RT women

ADVANCE MINING
INIS: Apr 2000; ETDE: Mar 1983
*BT1 underground mining
RT coal mining

advanced automotive propulsion systems
Use aaps

ADVANCED COMPONENTS TEST FACILITY
INIS: Apr 2000; ETDE: Mar 1981
(The DOE solar thermal test facility operated by Georgia Tech.)
UF *actf*
BT1 test facilities
RT central receivers
RT tower focus collectors
RT tower focus power plants

advanced gas cooled graphite moderated reactor
Use agr type reactors

ADVANCED LIGHT SOURCE
INIS: Aug 1992; ETDE: Jun 1992
(Lawrence Berkeley Laboratory, California, USA)
UF *als storage ring*
BT1 storage rings
*BT1 synchrotron radiation sources
RT accelerator facilities
RT light sources
RT x-ray sources

ADVANCED PHOTON SOURCE
INIS: Aug 1992; ETDE: Jun 1992
(Argonne National Laboratory, Illinois, USA)
UF *aps storage ring*
BT1 storage rings
*BT1 synchrotron radiation sources
RT accelerator facilities
RT light sources
RT x-ray sources

advanced reactivity measurement facility-1
Use armf-1 reactor

advanced test accelerator
See llnl advanced test accelerator

advanced test idaho reactor
Use atr reactor

advanced test reactor critical facility
Use atrc reactor

advanced thermal reactor fugen
Use jatr reactor

advanced toroidal facility torsatron
Use atf torsatron

ADVECTION
INIS: Feb 1976; ETDE: Apr 1976
(The horizontal mass transport of a fluid as a result of current or pressure conditions.)
BT1 mass transfer
RT convection
RT diffusion
RT fluid flow
RT osmosis
RT water currents
RT wind

ADVENTITIOUS BUD TECHNIQUE
RT mutants
RT mutations
RT plant breeding
RT vegetative propagation

adversaries
See interest groups
OR intervenors

ADVERTISING
INIS: Mar 1993; ETDE: Mar 1979
RT communications
RT consumer products
RT marketing
RT product labeling
RT public relations

ADVISORY COMMITTEES
INIS: Mar 1983; ETDE: Nov 1979
UF+ *energy research advisory board*
RT decision making
RT planning

aec-nim
Use nuclear instrument modules

aecb canada
Use canadian aecb

aecl
Use atomic energy of canada ltd

aecl radiochemical slowpoke reactor
Use slowpoke-ottawa reactor

aedes
Use mosquitoes

AEG-PR-10 REACTOR
(KWU, Karlstein, Bayern, Federal Republic of Germany)
UF *aeg pruefreaktor pr-10*
UF *grosswelzheim pr-10 reactor*
UF *pr-10 aeg pruefreaktor*
*BT1 argonaut type reactors
*BT1 research reactors
*BT1 thermal reactors

aeg pruefreaktor pr-10
Use aeg-pr-10 reactor

AEGEAN SEA
INIS: May 1992; ETDE: Jun 1977
*BT1 mediterranean sea

aepr
Use acoustic esr

AERATION
INIS: Sep 1980; ETDE: Sep 1976
RT air
RT bubbles
RT deaerators
RT gases
RT mixing

AERE
UF *atomic energy research establishment*
*BT1 ukaea

AERIAL MONITORING
(For monitoring FROM the air, e.g. by airplanes or balloons; not for monitoring OF the air.)
UF *aerial surveying (radiation monitoring)*
UF *aircraft surveys*
BT1 monitoring
RT accidents
RT aerial prospecting
RT aerial surveying
RT aerosols
RT air
RT aircraft
RT fallout
RT geophysical surveys
RT magnetic surveys
RT radiation monitoring
RT radioactive clouds
RT remote sensing

AERIAL PROSPECTING
BT1 prospecting
RT aerial monitoring
RT aerial surveying
RT exploration
RT magnetic surveys
RT radiometric surveys
RT remote sensing
RT seasat satellites

AERIAL SURVEYING
INIS: Dec 1985; ETDE: Jul 1977
(For surveying from the air, e.g. by aircraft.)
RT aerial monitoring
RT aerial prospecting
RT aircraft
RT landsat satellites
RT magnetic surveys
RT remote sensing

aerial surveying (radiation monitoring)
Use aerial monitoring

AEROBACTER
*BT1 bacteria
RT coliforms
RT intestines
RT soils

AEROBIC CONDITIONS
INIS: Feb 1983; ETDE: Nov 1975
RT aerobic digestion
RT biodegradation
RT decomposition
RT oxygen enhancement ratio

AEROBIC DIGESTION
INIS: Aug 1993; ETDE: Oct 1975
BT1 bioconversion
BT1 digestion
RT aerobic conditions
RT batch culture
RT continuous culture
RT microorganisms
RT semibatch culture
RT waste processing

AERODYNAMIC HEATING
INIS: Sep 1994; ETDE: Feb 1982
(The heating of a body produced by the passage of air or other gases over its surface.)
BT1 heating
RT aerodynamics
RT fluid flow
RT fluid mechanics

AERODYNAMICS
*BT1 fluid mechanics
RT aerodynamic heating
RT aircraft
RT airfoils
RT compressible flow
RT gas flow
RT mach number
RT parachutes
RT particle resuspension
RT reentry
RT subsonic flow
RT supersonic flow
RT transonic flow
RT wind tunnels

AEROJET-GENERAL NUCLEONICS REACTORS
UF *agn reactor series*
*BT1 enriched uranium reactors
*BT1 research reactors
*BT1 solid homogeneous reactors
*BT1 thermal reactors
*BT1 training reactors

AEROMONAS
INIS: Jul 1993; ETDE: Jul 1979
*BT1 bacteria

AEROSOL GENERATORS
UF *generators (aerosol)*
RT aerosols
RT nozzles

AEROSOL MONITORING
*BT1 air pollution monitoring
RT aerosols
RT air pollution monitors
RT air samplers
RT cascade impactors
RT radiation monitoring
RT radioactive aerosols
RT smoke detectors

AEROSOL WASTES
BT1 wastes
NT1 fly ash
RT aerosols
RT air pollution
RT waste disposal

AEROSOLS
(From April 1987 till February 1997 ARCTIC HAZE was also a valid ETDE descriptor.)
UF *fumes*
*BT1 sols
NT1 radioactive aerosols
NT1 smokes
NT2 tobacco smokes
RT acoustic agglomerators
RT aerial monitoring
RT aerosol generators
RT aerosol monitoring
RT aerosol wastes
RT air
RT air pollution
RT air pollution monitoring
RT atomization
RT condensation nuclei
RT diffusion chambers
RT droplets
RT dusts
RT fallout
RT filters
RT flow visualization
RT inhalation
RT particle resuspension
RT particle size
RT particles
RT particulates
RT radioactive clouds
RT respirators
RT sedimentation
RT smoke detectors
RT total suspended particulates
RT ventilation

AEROSPACE INDUSTRY
INIS: Mar 1992; ETDE: Jul 1977
BT1 industry
RT aircraft

RT space vehicles

aerospace system test reactor
Use astr reactor

aerowindows
Use air curtains

aeschynite
Use oxide minerals
AND thorium minerals

aesr
Use acoustic esr

AESTHETICS
INIS: Jun 1983; ETDE: Mar 1978
UF *esthetics*
RT architecture
RT environmental engineering
RT environmental impacts
RT human factors
RT land reclamation
RT landscaping
RT ornamental plants
RT pollution
RT public opinion
RT public relations
RT recreational areas
RT social impact
RT socio-economic factors
RT sociology
RT urban areas
RT water reclamation

aestivation
Use hibernation

AET
UF *aminoethylisothiuronium bromide*
UF *aminoethylthiopseudourea*
*BT1 amines
*BT1 radioprotective substances
*BT1 thioureas

afars and issas
Use djibouti

AFFINITY
UF *electron affinity*
RT chemical properties
RT chemical reactions
RT electronegativity
RT free energy

affirmative action
Use us affirmative action program

affri reactor
Use afri reactor

AFGHANISTAN
BT1 asia
BT1 developing countries

aflatoxin
Use aflatoxins

AFLATOXINS
UF *aflatoxin*
*BT1 mycotoxins
RT aspergillus
RT toxicity

afm
Use atomic force microscopy

afr storage
Use away-from-reactor storage

AFRICA
NT1 algeria
NT1 angola
NT1 benin
NT1 botswana
NT1 burkina faso
NT2 upper volta
NT1 burundi
NT1 cameroon
NT1 central african republic
NT1 chad
NT1 congo peoples republic
NT2 brazzaville
NT1 cote d'ivoire
NT1 democratic republic of the congo
NT2 kinshasa
NT1 djibouti
NT1 egyptian arab republic
NT1 eritrea
NT1 ethiopia
NT1 gabon
NT1 gambia
NT1 ghana
NT1 guinea
NT1 kenya
NT1 lesotho
NT1 liberia
NT1 libyan arab jamahiriya
NT1 madagascar
NT2 malagasy republic
NT1 malawi
NT1 mali
NT1 mauritania
NT1 morocco
NT1 mozambique
NT1 namibia
NT1 niger
NT1 nigeria
NT1 republic of seychelles
NT1 rwanda
NT1 senegal
NT1 sierra leone
NT1 somalia
NT1 south africa
NT2 transvaal
NT1 sudan
NT1 swaziland
NT1 togo
NT1 tunisia
NT1 uganda
NT1 united republic of tanzania
NT1 zambia
NT1 zimbabwe
NT2 southern rhodesia
RT arab countries

AFRRI REACTOR
(Armed Forces Radiobiology Research Institute, Bethesda, Maryland, USA)
UF *affri reactor*
UF *defense atomic support agency triga-mk-f*
UF *triga-f-dasa reactor*
*BT1 isotope production reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors
*BT1 triga type reactors

AFSR REACTOR
(ANL, Idaho Falls, Idaho, USA)
UF *argonne fast source reactor*
UF *fast source reactor aec*
*BT1 air cooled reactors
*BT1 enriched uranium reactors
*BT1 fast reactors
*BT1 research reactors

AFTER-HEAT
(Heat derived from residual radioactivity after a reactor has been shut down.)
SF *decay heat*
RT after-heat removal
RT away-from-reactor storage
RT fuel cooling time
RT reactor shutdown
RT residual power
RT spent fuel storage

AFTER-HEAT REMOVAL
UF *decay heat removal*
UF *pahr*
UF *removal (after-heat)*
UF *residual-heat removal*
UF *rhr*
BT1 removal
RT after-heat
RT rhr systems

AFTERBURNERS
INIS: Apr 2000; ETDE: Nov 1975
(Air pollution control devices for recombustion of gaseous effluents, using a flame, spark ignition, or some other system to ignite the gases.)
UF *automobile exhaust reactors*
UF *vapor incinerators*
*BT1 pollution control equipment
RT air pollution control
RT automobiles
RT combustion
RT exhaust gases
RT exhaust systems

AFTERGLOW
RT electric discharges
RT phosphorescence

AFTERLOADING
INIS: Aug 1976; ETDE: Nov 1976
(Method in radiotherapy whereby empty applicators are first positioned and the radiation source inserted automatically after the personnel has withdrawn.)
*BT1 radiotherapy
RT internal irradiation
RT irradiation procedures
RT radiation source implants

AFTERSHOCKS
INIS: Apr 2000; ETDE: Jun 1978
(Earthquakes which follow a larger earthquake and originate at or near the focus of the larger earthquake.)
RT earthquakes
RT foreshocks
RT microearthquakes

AFUDC
INIS: Apr 2000; ETDE: Nov 1978
UF *allowance for funds used during construction*
RT accounting
RT construction
RT cwip
RT public utilities
RT regulations

AGAR
*BT1 colloids
*BT1 polysaccharides

AGATA REACTOR
(Institute of Nuclear Research, Swierk, Poland)
UF *swierk agata reactor*
*BT1 beryllium moderated reactors
*BT1 pool type reactors

*BT1 research reactors
*BT1 zero power reactors

AGE DEPENDENCE
RT growth
RT life span
RT menopause
RT ripening

AGE ESTIMATION
UF *dating*
UF *geochronology*
NT1 isotope dating
RT archaeology
RT cultural objects
RT fission tracks
RT geologic ages
RT paleontology

AGE GROUPS
NT1 adolescents
NT1 adults
NT2 aged adults
NT3 elderly people
NT1 children
NT2 infants
RT embryos
RT fetuses
RT juveniles
RT larvae
RT life cycle
RT man
RT neonates
RT populations
RT pupae

AGE HARDENING
BT1 hardening
RT aging
RT precipitation hardening

aged
Use elderly people

AGED ADULTS
INIS: Feb 1983; ETDE: Mar 1983
*BT1 adults
NT1 elderly people
RT life cycle
RT man

agedoite
Use asparagine

agencia brasil-argentina contabil controle mater nuclear
Use abacc

agesta-r3 reactor
Use agesta reactor

AGESTA REACTOR
(Agesta, Stockholm, Sweden)
UF *agesta-r3 reactor*
UF *r-3/adam reactor*
*BT1 natural uranium reactors
*BT1 phwr type reactors
*BT1 power reactors
*BT1 process heat reactors
*BT1 thermal reactors

AGGLOMERATING ASH PROCESS
INIS: Oct 1992; ETDE: Jan 1975
(Process utilizing self-agglomerating fluidized-bed coal burner for producing synthesis gas by steam gasification of coal.)
UF *agglomerating burner gasification process*
*BT1 coal gasification

agglomerating burner gasification process
Use agglomerating ash process

AGGLOMERATION
INIS: Dec 1985; ETDE: Apr 1975
UF *aggregation*
RT adhesion
RT briquetting
RT caking
RT coalescence
RT compacting
RT crystallization
RT particle size
RT pelletizing
RT precipitation
RT sintering

agglutination
Use antigen-antibody reactions

AGGLUTININS
BT1 antibodies
NT1 hemagglutinins
NT2 concanavalin a
NT2 phytohemagglutinin

aggregation
Use agglomeration

AGING
(For biological aging use LIFE CYCLE or LIFE SPAN.)
NT1 quench aging
NT1 strain aging
RT age hardening
RT heat treatments
RT weathering

agip nucleare
Use italian organizations

agn reactor series
Use aerojet-general nucleonics reactors

agr reactor (windscale)
Use wagr reactor

AGR TYPE REACTORS
UF *advanced gas cooled graphite moderated reactor*
*BT1 enriched uranium reactors
*BT1 gcr type reactors
NT1 connah quay-b reactor
NT1 dungeness-b reactor
NT1 hartlepool reactor
NT1 heysham-a reactor
NT1 heysham-b reactor
NT1 hinkley point-b reactor
NT1 hunterston-b reactor
NT1 torness reactor
NT1 wagr reactor
RT carbon dioxide cooled reactors
RT power reactors

AGREEMENTS
UF *conventions*
NT1 indemnification agreements
NT1 international agreements
NT2 atomic energy agreements
NT2 bcoclmcnm
NT2 bcolons
NT2 bcstpc
NT2 bilateral agreements
NT2 canare
NT2 cenna
NT2 cppnm
NT2 cscnd
NT2 iaea agreements
NT2 icns
NT2 lcpmpdpw
NT2 multilateral agreements
NT3 kyoto protocol
NT3 rio declaration
NT2 pcotpl
NT2 solas convention
NT2 vcoclnd
RT administrative procedures
RT contracts
RT cooperation
RT delivery
RT implementation
RT laws
RT leasing
RT negotiation
RT recommendations
RT regulations

agricultural cooperatives
Use agriculture
AND cooperatives

agricultural information system
Use agris

agricultural residues
Use agricultural wastes

AGRICULTURAL WASTES
INIS: Dec 1991; ETDE: Oct 1975
UF *agricultural residues*
UF *stover*
UF+ *corn stover*
*BT1 organic wastes
NT1 bagasse
NT1 manures
RT agriculture
RT biological wastes
RT straw

AGRICULTURE
UF+ *agricultural cooperatives*
NT1 horticulture
RT agricultural wastes
RT agris
RT animal breeding
RT biomass plantations
RT crops
RT cultivation
RT cultivation techniques
RT domestic animals
RT drought resistance
RT ecosystems
RT fao
RT farms
RT fertilizer industry
RT fertilizers
RT food
RT gardening
RT grain disinfestation
RT greenhouses
RT harvesting
RT hydroponic culture
RT irrigation
RT pest control
RT pesticides
RT plants
RT short rotation cultivation
RT silviculture
RT soil chemistry
RT soil conservation
RT soils
RT sterile insect release
RT sterile male technique

agrini event
Use nuclear explosions
AND underground explosions

AGRIS
UF *agricultural information system*
BT1 information systems
RT agriculture
RT fao

aguirre-1 reactor
Use north coast-1 reactor

AGUIRRE REACTOR
INIS: Apr 2000; ETDE: Aug 1976
(Relocated and renamed NORTH COAST-1 REACTOR.)
*BT1 pwr type reactors
RT north coast-1 reactor

AHARONOV-BOHM EFFECT
INIS: Sep 1991; ETDE: Dec 1991
RT electromagnetic fields
RT gauge invariance
RT magnetic flux
RT phase shift
RT quantum mechanics

ahfr reactor
Use cp-6 reactor

AHUACHAPAN GEOTHERMAL FIELD
INIS: Jun 1992; ETDE: Jan 1977
BT1 geothermal fields
RT el salvador

ai aqueous carbonate process
Use desulfurization

AI-L-77 REACTOR
(Atomics International/Rockwell International, Canoga Park, California, USA)
UF *atomics international l-77 reactor*
UF *l-77 atomics international reactor*
*BT1 aqueous homogeneous reactors
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

aic-144 cyclotron
Use cracow aic-144 cyclotron

AIDS
INIS: Aug 1986; ETDE: Mar 1986
(Acquired Immuno-Deficiency Syndrome.)
UF *acquired immunodeficiency syndrome*
*BT1 immune system diseases
*BT1 viral diseases
RT aids virus
RT epidemiology
RT immunity
RT leukocytes
RT pathogenesis

AIDS VIRUS
INIS: May 1986; ETDE: Nov 1986
(Virus responsible for Acquired Immuno-Deficiency Syndrome.)
UF *acquired immunodeficiency virus*
UF *htlv iii virus*
UF *lav virus*
*BT1 viruses
RT aids
RT immune reactions
RT immunity

AIPFR REACTOR
UF *atomics international prototype fast reactor*
*BT1 fbr type reactors
*BT1 power reactors
*BT1 test reactors

AIR
*BT1 gases
NT1 compressed air
NT1 surface air
RT aeration
RT aerial monitoring
RT aerosols
RT air conditioning
RT air curtains
RT air flow
RT air infiltration
RT aircraft
RT breath
RT carbon dioxide fixation
RT earth atmosphere
RT environmental materials
RT fallout
RT fuel-air ratio
RT inhalation
RT nitrogen fixation
RT radioactive clouds
RT respiration
RT respirators
RT respiratory system
RT troposphere
RT ventilation
RT wind

AIR-BIOSPHERE INTERACTIONS
INIS: Mar 1992; ETDE: Feb 1987
RT air-water interactions
RT environmental transport
RT mass transfer
RT mineral cycling

AIR CLEANING
UF *air purification*
BT1 cleaning
RT air cleaning systems
RT air conditioning
RT air filters
RT electrostatic precipitators
RT pollution control equipment
RT scrubbers
RT ventilation

AIR CLEANING SYSTEMS
INIS: Jan 1992; ETDE: Aug 1975
BT1 engineered safety systems
RT air cleaning
RT air conditioning
RT air filters
RT electrostatic precipitators
RT off-gas systems
RT pollution control equipment
RT scrubbers
RT ventilation
RT ventilation systems

AIR CONDITIONERS
INIS: Jul 1993; ETDE: Feb 1975
NT1 solar air conditioners
NT2 solar-assisted heat pumps
RT absorption refrigeration cycle
RT air conditioning
RT appliances
RT coefficient of performance
RT electric appliances
RT refrigerating machinery
RT space hvac systems
RT vapor compression refrigeration cycle

AIR CONDITIONING
NT1 geothermal air conditioning
NT1 solar air conditioning
RT air
RT air cleaning
RT air cleaning systems
RT air conditioners
RT air source heat pumps
RT annual cycle energy system
RT automotive accessories
RT ceiling fans
RT cooling
RT cooling load
RT degree days
RT environmental engineering
RT ground source heat pumps
RT heating
RT heating load
RT humidity control
RT radiative cooling
RT refrigerating machinery
RT temperature control
RT thermal insulation
RT ventilation
RT ventilation systems
RT water source heat pumps
RT working conditions

AIR COOLED REACTORS
*BT1 gas cooled reactors
NT1 afsr reactor
NT1 bepo reactor
NT1 bgrr reactor
NT1 br-1 reactor
NT1 g-1 reactor
NT1 gleep reactor
NT1 harmonie reactor
NT1 hprr reactor
NT1 kalpakkam pfr reactor
NT1 masurca reactor
NT1 sneak reactor
NT1 stf reactor
NT1 tory-2a reactor
NT1 tory-2c reactor
NT1 treat reactor
NT1 windscale production reactors
NT1 x-10 reactor
NT1 xma-1 reactor
NT1 zed-2 reactor

AIR CURTAINS
INIS: Aug 1992; ETDE: May 1979
(Compressed gas flow across openings to serve as thermal barriers.)
UF *aerowindows*
RT air
RT air infiltration
RT buildings
RT curtains
RT doors
RT gas flow

AIR CUSHION VEHICLES
INIS: Apr 2000; ETDE: Aug 1977
UF *ground-effect machines*
UF *hovercraft*
UF *surface-effect machines*
BT1 vehicles

AIR FILTERS
BT1 filters
*BT1 pollution control equipment
RT air cleaning
RT air cleaning systems
RT air pollution monitors
RT scrubbers

AIR FLOW
INIS: Apr 1984; ETDE: Jan 1981
*BT1 gas flow
RT air
RT air infiltration
RT atmospheric circulation
RT ventilation
RT ventilation systems

air-fuel ratio
Use fuel-air ratio

AIR HEATERS
INIS: Apr 1984; ETDE: Jun 1975
(Until January 1999 this concept was indexed in INIS by AIR and HEATERS.)
UF *air preheaters*
BT1 heaters
NT1 solar air heaters
RT heat
RT heating

AIR INFILTRATION
INIS: Dec 1985; ETDE: Feb 1979
(Air flow into an enclosed space, e.g. a building.)
SF *caulking*
RT air
RT air curtains
RT air flow
RT airtightness
RT buildings
RT energy conservation
RT gas flow
RT weatherstripping

AIR POLLUTION
(For nonradioactive pollution only; for radioactive pollution use CONTAMINATION.)
UF+ *thermal pollution (air)*
BT1 pollution
NT1 indoor air pollution
RT acid rain
RT aerosol wastes
RT aerosols
RT air pollution abatement
RT air pollution control
RT air pollution monitoring
RT air quality
RT aitken nuclei
RT atmospheric chemistry
RT clean air acts
RT environmental exposure
RT exhaust systems
RT fly ash
RT greenhouse gases
RT long-range transport
RT mobile pollutant sources
RT particle resuspension
RT particulates
RT plumes
RT point pollutant sources
RT scrubbers
RT smog
RT soot
RT stationary pollutant sources
RT temperature inversions
RT total suspended particulates
RT washout

AIR POLLUTION ABATEMENT
INIS: Apr 1984; ETDE: Jun 1976
(The prevention of formation of pollutants at the source.)
SF *prevention of significant deterioration*
SF *psd*
BT1 pollution abatement
RT air pollution
RT air pollution control
RT desulfurization
RT staged combustion

AIR POLLUTION CONTROL
INIS: Apr 1986; ETDE: Mar 1977
(The removal or management of pollutants after they are formed by a source.)
SF *hitachi zosen process*
*BT1 pollution control
RT afterburners
RT air pollution
RT air pollution abatement
RT baghouses
RT catalytic combustors
RT catalytic converters
RT electrostatic precipitators
RT exhaust recirculation systems
RT pollution control equipment
RT scrubbers
RT selective catalytic reduction

AIR POLLUTION MONITORING
INIS: Aug 1991; ETDE: Mar 1985
BT1 monitoring
NT1 aerosol monitoring
RT aerosols
RT air pollution
RT air pollution monitors
RT particulates

AIR POLLUTION MONITORS
INIS: Sep 1991; ETDE: Jul 1976
UF *monitors (air pollution)*
*BT1 monitors
RT aerosol monitoring
RT air filters
RT air pollution monitoring
RT air samplers
RT cascade impactors
RT electrostatic precipitators

air preheaters
Use air heaters

air purification
Use air cleaning

AIR QUALITY
INIS: Jan 1977; ETDE: Jan 1976
BT1 environmental quality
RT air pollution
RT clean air acts

AIR SAMPLERS
*BT1 samplers
RT aerosol monitoring
RT air pollution monitors
RT cascade impactors
RT radiation monitors

AIR SOURCE HEAT PUMPS
INIS: Apr 2000; ETDE: Jul 1979
BT1 heat pumps
RT air conditioning
RT space heating

AIR TRANSPORT
INIS: Dec 1976; ETDE: Mar 1978
BT1 transport
NT1 supersonic transport
RT aircraft

air wall ionization chambers
Use bragg gray chambers

AIR-WATER INTERACTIONS
INIS: Oct 1983; ETDE: Aug 1980
RT air-biosphere interactions
RT carbon cycle
RT environmental transport
RT surface waters
RT troposphere
RT water waves

airborne particles
Use particulates

airborne particulates
Use particulates

AIRCRAFT
(AIRCRAFT COMPONENTS was a valid ETDE descriptor from August 1976 till February 1997; AIRSHIPS was a valid ETDE descriptor from January 1980 until March 1996.)
UF *aircraft components*
UF *airships*
UF *dirigibles*
UF *lighter-than-air craft*
NT1 balloons
NT1 helicopters
NT1 space shuttles
RT aerial monitoring
RT aerial surveying
RT aerodynamics
RT aerospace industry
RT air
RT air transport
RT airfoils
RT airports
RT flight testing
RT navigation
RT navigational instruments
RT propulsion systems
RT supersonic transport

aircraft accidents
Use accidents

aircraft components
Use aircraft

aircraft fuels
See gasoline
OR jet engine fuels

AIRCRAFT PROPULSION REACTORS
*BT1 propulsion reactors
NT1 xma-1 reactor

aircraft shield test reactor
Use astr reactor

aircraft surveys
Use aerial monitoring

AIRFOILS
INIS: Aug 1992; ETDE: Aug 1975
RT aerodynamics
RT aircraft

AIRGLOW
UF *dayglow*
UF *nightglow*
RT aurorae
RT earth atmosphere
RT night sky
RT noctilucent clouds

AIROX PROCESS
INIS: Jul 1980; ETDE: Sep 1979
(This method uses simple chemical oxidation and reduction reactions to simultaneously declad and pulverize spent fuel , release the volatile fission products, and restore the fuel to the proper form for refabrication and recycle. This method is highly proliferation resistant.)
UF *atomics international reduction oxidation dry reprocessing*
*BT1 reprocessing

AIRPORTS
INIS: Mar 1992; ETDE: Nov 1975
RT aircraft
RT transportation systems

airships
Use aircraft

AIRTIGHTNESS
INIS: Feb 1993; ETDE: Feb 1979
- *RT* air infiltration
- *RT* buildings
- *RT* leaks
- *RT* space heating
- *RT* ventilation

AIRY FUNCTIONS
- BT1 functions
- *RT* differential equations

AITKEN NUCLEI
INIS: Apr 2000; ETDE: Jan 1981
(Microscopic particles in the atmosphere associated with atmospheric electrical phenomena.)
- *RT* air pollution
- *RT* atmospheric precipitations
- *RT* condensation nuclei

ajman
- Use united arab emirates

akm muehleberg reactor
- Use muehleberg reactor

akm reactor
- Use muehleberg reactor

AKR-1 REACTOR
Sep 2003
(Technical University, Dresden, Germany.)
- *BT1 enriched uranium reactors
- *BT1 organic moderated reactors
- *BT1 solid homogeneous reactors
- *BT1 thermal reactors
- *BT1 training reactors
- *BT1 zero power reactors

akw1 rheinsberg reactor
- Use rheinsberg akw1 reactor

ALABAMA
- *BT1 usa
- *RT* chattahoochee river
- *RT* chattanooga formation
- *RT* tennessee river
- *RT* tennessee valley region
- *RT* us gulf coast

ALAMOSITE
INIS: Apr 2000; ETDE: Dec 1974
- *BT1 silicate minerals
- *RT* lead silicates

ALANINE-ALPHA
- UF *aminopropionic acid-alpha*
- *BT1 alanines
- **NT1** alanine-l

ALANINE-BETA
- UF *aminopropionic acid-beta*
- *BT1 alanines
- *RT* pantothenic acid

ALANINE-L
- UF *l-alanine*
- UF *l-alanine-alpha*
- *BT1 alanine-alpha

ALANINES
- *BT1 amino acids
- **NT1** alanine-alpha
  - **NT2** alanine-l
- **NT1** alanine-beta

alap
- *See* radiation protection

ALARA
INIS: Feb 1981; ETDE: Mar 1981
(All exposures shall be kept As Low As Reasonably Achievable, economic and social factors being taken into account.)
- UF *as low as reasonably achievable*
- *RT* icrp
- *RT* optimization
- *RT* radiation doses
- *RT* radiation hazards
- *RT* radiation protection
- *RT* risk assessment
- *RT* safety
- *RT* shielding
- *RT* working conditions

alarm dosemeters
- Use radiation monitors

ALARM SYSTEMS
- UF *audible alarm*
- UF *warning systems*
- **NT1** intrusion detection systems
- **NT1** motion detection systems
- *RT* fire detectors
- *RT* radiation monitoring
- *RT* radiation monitors
- *RT* reactor components
- *RT* safety engineering
- *RT* smoke detectors

ALASKA
- UF+ *alaska river*
- *BT1 usa
- *RT* alaskan north slope
- *RT* aleutian islands
- *RT* amchitka island area
- *RT* chukchi sea
- *RT* prudhoe bay
- *RT* yukon river

ALASKA GAS PIPELINE
INIS: Apr 2000; ETDE: Nov 1976
- BT1 pipelines
- *RT* natural gas

ALASKA OIL PIPELINE
INIS: Jun 1992; ETDE: Nov 1976
- UF *transalaska pipeline*
- BT1 pipelines
- *RT* alaskan north slope
- *RT* permafrost
- *RT* petroleum

ALASKA POWER ADMINISTRATION
INIS: Feb 1993; ETDE: Mar 1980
- UF *apa*
- *BT1 us doe
- *RT* electric power

alaska river
- Use alaska
- AND rivers

ALASKAN NORTH SLOPE
INIS: Jun 1992; ETDE: Dec 1979
- *RT* alaska
- *RT* alaska oil pipeline
- *RT* permafrost

alaskites
- Use aplites

ALBANIA
- BT1 developing countries
- *BT1 eastern europe
- *RT* adriatic sea
- *RT* alps
- *RT* centrally planned economies

ALBEDO
- *RT* illuminance
- *RT* neutron transport theory
- *RT* reflection

ALBEDO-NEUTRON DOSEMETERS
- *BT1 dosemeters
- *RT* backscattering
- *RT* neutron dosimetry
- *RT* personnel monitoring

ALBERTA
- *BT1 canada
- *RT* athabasca deposit
- *RT* athabasca lake
- *RT* cold lake deposit
- *RT* peace river
- *RT* peace river deposit
- *RT* wabasca deposit

alberta university slowpoke reactor
- Use slowpoke-alberta reactor

albite
- Use feldspars

albumen
- Use albumins

ALBUMINS
- UF *albumen*
- UF+ *hsa*
- UF+ *human serum albumin*
- UF+ *risa*
- *BT1 proteins
- **NT1** luciferin
- *RT* albuminuria
- *RT* polyamides

ALBUMINURIA
- *RT* albumins

ALCATOR DEVICE
- UF *massachusetts institute of technology alcator*
- *BT1 tokamak devices

ALCOHOL DEHYDROGENASE
INIS: Apr 1993; ETDE: Apr 1986
- *BT1 hemiacetal dehydrogenases

ALCOHOL FUEL CELLS
INIS: May 1992; ETDE: Jan 1975
- *BT1 fuel cells
- **NT1** direct methanol fuel cells

ALCOHOL FUELS
INIS: Apr 1992; ETDE: Nov 1978
(For pure alcohols, alcohol-water mixtures, or alcohol with additives; for alcohol-gasoline mixtures use GASOHOL.)
- *BT1 liquid fuels
- *BT1 synthetic fuels
- **NT1** ethanol fuels
- **NT1** methanol fuels
- *RT* alcohols
- *RT* automotive fuels
- *RT* gasohol

alcoholates
- Use alkoxides

ALCOHOLS
- UF *alkylates*
- UF+ *amino alcohols*
- UF+ *batyl alcohol*
- UF+ *geraniol*
- UF+ *methyl-fuel*
- UF+ *octadecyl glyceryl ether-alpha*
- *BT1 hydroxy compounds

NT1 2-methylpropanol
NT1 benzhydrol
NT1 benzyl alcohol
NT1 butanols
NT1 choline
NT1 cyclohexanol
NT1 decanols
NT1 enols
NT1 erythritol
NT1 ethanol
NT1 glycerol
NT1 glycols
NT2 butanediols
NT2 cellosolves
NT2 egta
NT2 pinacol
NT2 polyethylene glycols
NT3 carbowax
NT3 pluronics
NT1 hexanols
NT1 methanol
NT1 metronidazole
NT1 misonidazole
NT1 octanols
NT1 pentanols
NT1 propanols
NT1 pva
RT alcohol fuels
RT alkoxides
RT gasohol

ALDEHYDE-LYASES

INIS: Apr 2000; ETDE: Jan 1981
(Code number 4.1.2.)
*BT1 carbon-carbon lyases

ALDEHYDES

UF+ *aldehydo acids*
BT1 organic compounds
NT1 acetaldehyde
NT1 acrolein
NT1 aldosterone
NT1 arabinose
NT1 benzaldehyde
NT1 chloral
NT1 deoxyribose
NT1 formaldehyde
NT1 furfural
NT1 galactose
NT1 galacturonic acid
NT1 glucose
NT1 glucuronic acid
NT1 glyoxal
NT1 glyoxylic acid
NT1 mannose
NT1 pyridoxal
NT1 ribose
NT1 xylose
RT hydrazones
RT imines
RT lyases
RT oximes
RT semicarbazones

aldehydo acids

Use aldehydes
AND carboxylic acids

ALDER-WINTER THEORY

INIS: Apr 2000; ETDE: Dec 1974
RT angular distribution

aldermaston reactor merlin

Use merlin reactor

aldolase

Use aldolases

ALDOLASES

(From January 1981 to October 1990 this was an invalid ETDE descriptor and material was indexed to ALDOLASE.)
UF *aldolase*
*BT1 carbon-carbon lyases

ALDOSTERONE

*BT1 aldehydes
*BT1 mineralocorticoids
RT tubules

ALDRIN

INIS: May 1976; ETDE: Aug 1976
*BT1 chlorinated aromatic hydrocarbons
*BT1 insecticides

ALEUTIAN ISLANDS

BT1 islands
NT1 amchitka island area
RT alaska
RT bering sea
RT nuclear explosions
RT pacific ocean

ALFALFA

*BT1 leguminosae

ALFVEN WAVES

BT1 hydromagnetic waves
RT plasma waves

ALGAE

BT1 plants
NT1 chlorophycota
NT2 acetabularia
NT2 chlamydomonas
NT2 chlorella
NT2 nitella
NT2 scenedesmus
NT1 chromophycota
NT2 diatoms
NT2 fucus
NT2 laminaria
NT1 lichens
NT1 rhodophycota
NT2 porphyra
NT1 ulva
NT1 unicellular algae
NT2 chlamydomonas
NT2 chlorella
NT2 euglena
NT2 scenedesmus
RT aquatic organisms
RT biological fouling
RT eutrophication
RT phycobilisomes
RT phytoplankton

ALGEBRA

BT1 mathematics
RT graded lie groups
RT quantum groups

ALGEBRAIC CURRENTS

UF *currents (algebraic)*
BT1 currents
NT1 axial-vector currents
NT1 charged currents
NT2 weak charged currents
NT1 neutral currents
NT2 weak neutral currents
NT1 second-class currents
NT1 vector currents
RT current algebra
RT current commutators
RT current divergences

ALGEBRAIC FIELD THEORY

INIS: Nov 1977; ETDE: Mar 1978
UF *haag-araki field theory*
*BT1 axiomatic field theory

ALGERIA

BT1 africa
BT1 arab countries
BT1 developing countries
RT oapec
RT opec

ALGINATES

RT laminaria

ALGINIC ACID

*BT1 colloids
*BT1 polysaccharides
RT carboxylic acids

ALGOL

BT1 programming languages

ALGORITHMS

BT1 mathematical logic
RT calculation methods
RT computer codes
RT data-flow processing
RT functions
RT mathematical evolution
RT mathematical solutions
RT mathematics
RT parallel processing
RT vector processing

ali

Use annual limit of intake

ALICE

*BT1 magnetic mirrors

ALICE CYCLOTRON

UF *orsay alice cyclotron*
*BT1 isochronous cyclotrons

ALIGNED COUPLING SCHEME

UF *stretch model*
RT coupling
RT deformed nuclei
RT particle-hole model
RT projection operators
RT shell models
RT slater method

ALIGNMENT

(Not for the concept covered by the descriptor NUCLEAR ALIGNMENT.)
RT beam optics
RT positioning

ALIZARIN

UF *1,2-dihydroxyanthraquinone*
UF *anthraquinonic acid*
*BT1 anthraquinones
BT1 dyes
*BT1 hydroxy compounds
BT1 reagents

alkali gabbros

Use plutonic rocks

ALKALI METAL COMPLEXES

(Prior to March 1997 FRANCIUM COMPLEXES was a valid ETDE descriptor.)
UF *francium complexes*
BT1 complexes
NT1 cesium complexes
NT1 potassium complexes
NT1 rubidium complexes
NT1 sodium complexes

ALKALI METAL COMPOUNDS

NT1 cesium compounds
NT2 cesium bromides
NT2 cesium carbides
NT2 cesium carbonates
NT2 cesium chlorides
NT2 cesium fluorides
NT2 cesium hydrides
NT2 cesium hydroxides
NT2 cesium iodides
NT2 cesium nitrates
NT2 cesium oxides
NT2 cesium perchlorates
NT2 cesium phosphates
NT2 cesium selenides
NT2 cesium silicates
NT2 cesium silicides
NT2 cesium sulfates
NT2 cesium sulfides
NT2 cesium tellurides
NT2 cesium tungstates
NT2 cesium uranates
NT1 francium compounds
NT1 lithium compounds
NT2 lithium arsenides
NT2 lithium borides
NT2 lithium carbides
NT2 lithium carbonates
NT2 lithium halides
NT3 lithium bromides
NT3 lithium chlorides
NT3 lithium fluorides
NT3 lithium iodides
NT2 lithium hydrides
NT3 lithium deuterides
NT3 lithium tritides
NT2 lithium hydroxides
NT2 lithium nitrates
NT2 lithium nitrides
NT2 lithium oxides
NT2 lithium perchlorates
NT2 lithium phosphates
NT2 lithium phosphides
NT2 lithium selenides
NT2 lithium silicates
NT2 lithium silicides
NT2 lithium sulfates
NT2 lithium sulfides
NT2 lithium tellurides
NT2 lithium titanates
NT2 lithium tungstates
NT2 lithium uranates
NT1 potassium compounds
NT2 potassium borides
NT2 potassium bromides
NT2 potassium carbides
NT2 potassium carbonates
NT2 potassium chlorides
NT2 potassium fluorides
NT2 potassium hydrides
NT2 potassium hydroxides
NT2 potassium iodides
NT2 potassium nitrates
NT2 potassium nitrides
NT2 potassium oxides
NT2 potassium perchlorates
NT2 potassium phosphates
NT2 potassium phosphides
NT2 potassium selenides
NT2 potassium silicates
NT2 potassium sulfates
NT2 potassium sulfides
NT2 potassium tellurides
NT2 potassium tungstates
NT2 potassium uranates
NT2 potassium vanadates
NT2 rochelle salt
NT1 rubidium compounds
NT2 rubidium bromides
NT2 rubidium carbides
NT2 rubidium carbonates
NT2 rubidium chlorides
NT2 rubidium fluorides
NT2 rubidium hydrides
NT2 rubidium hydroxides
NT2 rubidium iodides
NT2 rubidium nitrates
NT2 rubidium oxides
NT2 rubidium perchlorates
NT2 rubidium phosphates
NT2 rubidium selenides
NT2 rubidium silicates
NT2 rubidium silicides
NT2 rubidium sulfates
NT2 rubidium sulfides
NT2 rubidium tellurides
NT2 rubidium tungstates
NT2 rubidium uranates
NT1 sodium compounds
NT2 borax
NT2 rochelle salt
NT2 sodium borides
NT2 sodium bromides
NT2 sodium carbides
NT2 sodium carbonates
NT2 sodium chlorides
NT2 sodium fluorides
NT2 sodium hydrides
NT2 sodium hydroxides
NT2 sodium iodides
NT2 sodium nitrates
NT2 sodium nitrides
NT2 sodium oxides
NT3 sodium tungsten bronze
NT2 sodium perchlorates
NT2 sodium phosphates
NT2 sodium selenides
NT2 sodium silicates
NT2 sodium sulfates
NT2 sodium sulfides
NT2 sodium tellurides
NT2 sodium tungstates
NT2 sodium uranates
NT2 tiron

alkali metal isotopes

Use isotopes

ALKALI METALS

*BT1 metals
NT1 cesium
NT1 francium
NT1 lithium
NT1 potassium
NT1 rubidium
NT1 sodium

ALKALINE EARTH ISOTOPES

INIS: Apr 1989; ETDE: Mar 1997
BT1 isotopes
NT1 barium isotopes
NT2 barium 114
NT2 barium 115
NT2 barium 116
NT2 barium 117
NT2 barium 118
NT2 barium 119
NT2 barium 120
NT2 barium 121
NT2 barium 122
NT2 barium 123
NT2 barium 124
NT2 barium 125
NT2 barium 126
NT2 barium 127
NT2 barium 128
NT2 barium 129
NT2 barium 130
NT2 barium 131
NT2 barium 132
NT2 barium 133
NT2 barium 134
NT2 barium 135
NT2 barium 136
NT2 barium 137
NT2 barium 138
NT2 barium 139
NT2 barium 140
NT2 barium 141
NT2 barium 142
NT2 barium 143
NT2 barium 144
NT2 barium 145
NT2 barium 146
NT2 barium 147
NT2 barium 148
NT2 barium 149
NT1 beryllium isotopes
NT2 beryllium 10
NT2 beryllium 11
NT2 beryllium 12
NT2 beryllium 13
NT2 beryllium 14
NT2 beryllium 5
NT2 beryllium 6
NT2 beryllium 7
NT2 beryllium 8
NT2 beryllium 9
NT1 calcium isotopes
NT2 calcium 35
NT2 calcium 36
NT2 calcium 37
NT2 calcium 38
NT2 calcium 39
NT2 calcium 40
NT2 calcium 41
NT2 calcium 42
NT2 calcium 43
NT2 calcium 44
NT2 calcium 45
NT2 calcium 46
NT2 calcium 47
NT2 calcium 48
NT2 calcium 49
NT2 calcium 50
NT2 calcium 51
NT2 calcium 52
NT2 calcium 53
NT1 magnesium isotopes
NT2 magnesium 20
NT2 magnesium 21
NT2 magnesium 22
NT2 magnesium 23
NT2 magnesium 24
NT2 magnesium 25
NT2 magnesium 26
NT2 magnesium 27
NT2 magnesium 28
NT2 magnesium 29
NT2 magnesium 30
NT2 magnesium 31
NT2 magnesium 32
NT2 magnesium 33
NT2 magnesium 34
NT2 magnesium 35
NT2 magnesium 36
NT1 radium isotopes
NT2 radium 205
NT2 radium 206
NT2 radium 207
NT2 radium 208
NT2 radium 209
NT2 radium 210
NT2 radium 211
NT2 radium 212
NT2 radium 213
NT2 radium 214

NT2 radium 215
NT2 radium 216
NT2 radium 217
NT2 radium 218
NT2 radium 219
NT2 radium 220
NT2 radium 221
NT2 radium 222
NT2 radium 223
NT2 radium 224
NT2 radium 225
NT2 radium 226
NT2 radium 227
NT2 radium 228
NT2 radium 229
NT2 radium 230
NT2 radium 231
NT2 radium 232
NT2 radium 233
NT2 radium 234
NT1 strontium isotopes
NT2 strontium 100
NT2 strontium 101
NT2 strontium 102
NT2 strontium 75
NT2 strontium 76
NT2 strontium 77
NT2 strontium 78
NT2 strontium 79
NT2 strontium 80
NT2 strontium 81
NT2 strontium 82
NT2 strontium 83
NT2 strontium 84
NT2 strontium 85
NT2 strontium 86
NT2 strontium 87
NT2 strontium 88
NT2 strontium 89
NT2 strontium 90
NT2 strontium 91
NT2 strontium 92
NT2 strontium 93
NT2 strontium 94
NT2 strontium 95
NT2 strontium 96
NT2 strontium 97
NT2 strontium 98
NT2 strontium 99

ALKALINE EARTH METAL COMPLEXES

BT1 complexes
NT1 barium complexes
NT1 beryllium complexes
NT1 calcium complexes
NT1 magnesium complexes
NT1 radium complexes
NT1 strontium complexes

ALKALINE EARTH METAL COMPOUNDS

NT1 barium compounds
NT2 barium borides
NT2 barium bromides
NT2 barium carbides
NT2 barium carbonates
NT2 barium chlorides
NT2 barium fluorides
NT2 barium hydrides
NT2 barium hydroxides
NT2 barium iodides
NT2 barium nitrates
NT2 barium nitrides
NT2 barium oxides
NT2 barium perchlorates
NT2 barium phosphates
NT2 barium silicates
NT2 barium sulfates
NT2 barium sulfides
NT2 barium tungstates
NT1 beryllium compounds
NT2 beryllium borides
NT2 beryllium bromides
NT2 beryllium carbides
NT2 beryllium carbonates
NT2 beryllium chlorides
NT2 beryllium fluorides
NT2 beryllium hydrides
NT2 beryllium hydroxides
NT2 beryllium nitrates
NT2 beryllium nitrides
NT2 beryllium oxides
NT2 beryllium phosphates
NT2 beryllium selenides
NT2 beryllium silicates
NT2 beryllium sulfates
NT2 beryllium tellurides
NT1 calcium compounds
NT2 calcium borides
NT2 calcium carbides
NT2 calcium carbonates
NT2 calcium halides
NT3 calcium bromides
NT3 calcium chlorides
NT3 calcium fluorides
NT3 calcium iodides
NT2 calcium hydrides
NT2 calcium hydroxides
NT2 calcium nitrates
NT2 calcium nitrides
NT2 calcium oxides
NT2 calcium perchlorates
NT2 calcium phosphates
NT2 calcium silicates
NT2 calcium silicides
NT2 calcium sulfates
NT2 calcium sulfides
NT2 calcium tungstates
NT1 magnesium compounds
NT2 grignard reagents
NT2 magnesium arsenides
NT2 magnesium borides
NT2 magnesium bromides
NT2 magnesium carbides
NT2 magnesium carbonates
NT2 magnesium chlorides
NT2 magnesium fluorides
NT2 magnesium hydrides
NT2 magnesium hydroxides
NT2 magnesium iodides
NT2 magnesium nitrates
NT2 magnesium nitrides
NT2 magnesium oxides
NT2 magnesium perchlorates
NT2 magnesium phosphates
NT2 magnesium silicates
NT2 magnesium silicides
NT2 magnesium sulfates
NT2 magnesium sulfides
NT2 magnesium tellurides
NT1 radium compounds
NT2 radium bromides
NT2 radium chlorides
NT2 radium nitrates
NT2 radium nitrides
NT2 radium oxides
NT2 radium sulfates
NT1 strontium compounds
NT2 strontium bromides
NT2 strontium carbides
NT2 strontium carbonates
NT2 strontium chlorides
NT2 strontium fluorides
NT2 strontium hydrides
NT2 strontium hydroxides
NT2 strontium iodides
NT2 strontium nitrates
NT2 strontium oxides
NT2 strontium perchlorates
NT2 strontium phosphates
NT2 strontium silicates
NT2 strontium sulfates
NT2 strontium sulfides
NT2 strontium titanates
NT2 strontium tungstates
NT2 strontium uranates

ALKALINE EARTH METALS

*BT1 metals
NT1 barium
NT1 beryllium
NT1 calcium
NT1 magnesium
NT1 radium
NT1 strontium

ALKALINE ELECTROLYTE FUEL CELLS

INIS: May 1992; ETDE: Apr 1989
*BT1 fuel cells

alkaline flooding

Use caustic flooding

ALKALINE HYDROLYSIS

INIS: Aug 1996; ETDE: Jan 1980
*BT1 hydrolysis
RT acid hydrolysis
RT enzymatic hydrolysis

ALKALINE PHOSPHATASE

(Code number 3.1.3.1.)
*BT1 phosphatases

alkalinity

Use acid neutralizing capacity

alkalis

Use hydroxides

ALKALIZED ALUMINA PROCESS

INIS: Apr 2000; ETDE: Dec 1977
(SOX is adsorbed on alkalized alumina, the spent adsorbent regenerated at 1200 degrees F with producer gas.)
*BT1 desulfurization
RT waste processing

ALKALOIDS

(CODEINONE, CINCHONINE, and HYOSCYAMINE have been valid ETDE descriptors.)
UF *cinchonine*
UF *codeinone*
UF *hyoscyamine*
BT1 organic compounds
NT1 atropine
NT1 cocaine
NT1 codeine
NT1 colchicine
NT1 ephedrine
NT1 ergotamine
NT1 eserine
NT1 lysergic acid
NT1 morphine
NT2 thebaine
NT1 nicotine
NT1 oncovin
NT1 pilocarpine
NT1 quinine
NT1 reserpine
NT1 strychnine
NT1 vinblastine
RT medicinal plants
RT plants

ALKANES

UF *paraffins*

*BT1 hydrocarbons
NT1 2-2-dimethylpropane
NT1 2-methylbutane
NT1 2-methylpropane
NT1 butane
NT1 cycloalkanes
NT2 cyclohexane
NT2 decalin
NT1 decane
NT1 dodecane
NT1 ethane
NT1 heptane
NT1 hexadecane
NT1 hexane
NT1 methane
NT1 octane
NT1 paraffin
NT1 pentane
NT1 propane
NT1 squalane

alkanoic acids
Use carboxylic acids

alkazid process
Use desulfurization

ALKENES
UF *olefins*
*BT1 hydrocarbons
NT1 2-methylpropene
NT1 butenes
NT1 cycloalkenes
NT2 cyclopentadiene
NT2 norbornadiene
NT2 quadricyclene
NT1 ethylene
NT1 heptenes
NT1 hexenes
NT1 octenes
NT1 pentenes
NT1 propylene
RT polyenes

alkenoic acids
Use carboxylic acids

alkines
Use alkynes

ALKOXIDES
INIS: Feb 1982; ETDE: Aug 1981
(A group of compounds in which a hydrogen atom of an alcohol or phenol hydroxide group is replaced by a metal.)
UF *alcoholates*
RT alcohols
RT phenols

ALKOXY RADICALS
BT1 radicals
NT1 butoxy radicals
NT1 ethoxy radicals
NT1 methoxy radicals

alkyl benzenesulfonates
Use abs

ALKYL RADICALS
(Prior to March 1997 NONYL RADICALS was a valid ETDE descriptor.)
UF *nonyl radicals*
BT1 radicals
NT1 allyl radicals
NT1 butyl radicals
NT1 dodecyl radicals
NT1 ethyl radicals
NT1 heptyl radicals
NT1 hexyl radicals
NT1 isobutyl radicals
NT1 isopropyl radicals
NT1 methyl radicals
NT1 octyl radicals
NT1 pentyl radicals
NT1 propargyl radicals
NT1 propyl radicals
NT1 vinyl radicals
RT alkylation

ALKYLATED AROMATICS
INIS: Feb 1993; ETDE: Jul 1984
(Aromatic compounds which have one or more alkyl side chains, including isomers and mixtures.)
*BT1 aromatics
NT1 mesitylene
NT1 methylnaphthalenes
NT1 styrene
NT1 toluene
NT1 xylenes
NT2 xylene-para

alkylates
Use alcohols

ALKYLATING AGENTS
UF *mannomustine*
UF *tem*
UF *tretamine*
UF *triethylenemelamine*
NT1 endoxan
NT1 myleran
NT1 nitrogen mustard
RT alkylation
RT antimetabolites
RT antimitotic drugs
RT antineoplastic drugs
RT chemosterilants

ALKYLATION
BT1 chemical reactions
RT alkyl radicals
RT alkylating agents

alkylmagnesium compounds
Use grignard reagents

ALKYNES
UF *acetylenes*
UF *alkines*
*BT1 hydrocarbons
NT1 acetylene
NT1 cycloalkynes
NT1 propyne

ALLANITE
(Prior to March 1997 ORTHITE was a valid ETDE descriptor.)
UF *orthite*
*BT1 silicate minerals
*BT1 thorium minerals
RT thorium silicates

ALLANTOIN
*BT1 imidazoles
*BT1 organic oxygen compounds
RT urea

ALLEGHENY RIVER
*BT1 rivers
RT new york
RT pennsylvania

ALLENE
UF *propadiene*
*BT1 dienes

ALLENS CREEK-1 REACTOR
(Wallis, Texas, USA)
*BT1 bwr type reactors

ALLENS CREEK-2 REACTOR
(Wallis, Texas, USA)
*BT1 bwr type reactors

ALLERGY
BT1 pathological changes
RT anaphylaxis
RT antihistaminics
RT eczema
RT histamine
RT immune system diseases
RT immunity

ALLIGATORS
INIS: Apr 2000; ETDE: Mar 1977
*BT1 reptiles

ALLIUM CEPA
*BT1 onions

ALLIUM SATIVUM
INIS: Sep 1992; ETDE: Sep 1992
*BT1 liliopsida
RT bulbs
RT garlic

ALLOCATIONS
INIS: Dec 1985; ETDE: Feb 1975
UF *assignments*
UF *curtailments*
UF *rationing*
RT availability
RT budgets
RT distribution
RT economic policy
RT emissions trading
RT energy policy
RT entitlements program
RT management
RT planning
RT shortages

ALLOTROPY
(See also descriptors for specific allotropic forms, e.g.,HELIUM I, IRON-ALPHA, and URANIUM-BETA.)
RT crystal structure
RT phase diagrams
RT phase transformations

allowance for funds used during construction
Use afudc

ALLOXAN
*BT1 organic oxygen compounds
*BT1 pyrimidines

alloy-0kh12n13m
See chromium alloys
OR iron base alloys

alloy-1915
Use aluminium base alloys

alloy-214x
Use aluminium base alloys

alloy-50kh4n6g12f2v
Use chromium alloys

alloy-600 (inconel)
Use inconel 600

alloy-601 (inconel)
Use alloy-ni61cr23fe14

alloy-60t
Use titanium base alloys

alloy-617 (inconel)
Use inconel 617

alloy-625 (inconel)
Use inconel 625

alloy-671 (inconel)
Use inconel 671

alloy-690 (inconel)
Use inconel 690

alloy-706 (inconel)
Use inconel 706

alloy-713-lc
Use inconel 713lc

alloy-713lc (inconel)
Use inconel 713lc

alloy-79nm
Use nickel base alloys

alloy 800
Use incoloy 800

alloy 800h
Use incoloy 800h

alloy-800h (incoloy)
Use incoloy 800h

alloy-802 (incoloy)
Use incoloy 802

alloy-82 (inconel)
Use inconel 82

alloy-825 (incoloy)
Use incoloy 825

alloy-901 (incoloy)
Use incoloy 901

ALLOY-A-286
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-ni26cr15ti2movalb

ALLOY-AL95CU4
*BT1 aluminium base alloys
*BT1 copper alloys
*BT1 iron additions
*BT1 magnesium additions
*BT1 manganese additions
*BT1 silicon additions
NT1 duralumin

ALLOY-B-1900
INIS: Apr 2000; ETDE: Jan 1975
*BT1 aluminium alloys
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 molybdenum alloys
*BT1 nickel base alloys
*BT1 tantalum alloys
*BT1 titanium alloys

alloy-b-66
Use niobium base alloys

alloy-b-88
Use niobium base alloys

ALLOY-BI50PB25CD12SN12
*BT1 bismuth base alloys
*BT1 cadmium alloys
*BT1 lead alloys
*BT1 tin alloys
NT1 wood metal

ALLOY-C-103
INIS: Apr 2000; ETDE: Jan 1975
*BT1 hafnium alloys
*BT1 niobium base alloys
*BT1 tantalum alloys
*BT1 titanium alloys
*BT1 tungsten alloys
*BT1 yttrium alloys
*BT1 zirconium alloys

alloy-c-129y
Use niobium base alloys

alloy-cb-1
Use niobium base alloys

alloy-cb-752
Use niobium base alloys

alloy-ck-20
Use steel-cr25ni20

ALLOY-CO36CR22NI22W15FE3
*BT1 chromium alloys
*BT1 corrosion resistant alloys
*BT1 haynes alloys
*BT1 heat resisting alloys
*BT1 iron alloys
*BT1 lanthanum additions
*BT1 nickel alloys
*BT1 tungsten alloys
NT1 haynes 188 alloy

ALLOY-CO43CR20FE18NI13W3
*BT1 carbon additions
*BT1 chromium alloys
*BT1 cobalt base alloys
*BT1 iron alloys
*BT1 manganese alloys
*BT1 molybdenum alloys
*BT1 nickel alloys
*BT1 tungsten alloys
NT1 havar

ALLOY-CO50FE50
*BT1 cobalt base alloys
*BT1 iron base alloys
NT1 permendur

alloy-co52cr17fe15mo3si3
Use cobalt base alloys

ALLOY-CO52FE35V10
*BT1 cobalt base alloys
*BT1 iron alloys
*BT1 vanadium alloys

alloy-co52fe35v13
Use cobalt base alloys
AND iron alloys
AND vanadium alloys

ALLOY-CO54CR20W15NI10
*BT1 chromium alloys
*BT1 corrosion resistant alloys
*BT1 haynes alloys
*BT1 heat resisting alloys
*BT1 iron alloys
*BT1 nickel alloys
*BT1 stellite
*BT1 tungsten alloys
NT1 alloy-hs-25
NT1 haynes 25 alloy

ALLOY-CO60CR30W4
INIS: Apr 1979; ETDE: Nov 1983
(From 1974 till March 1997 HAYNES STELLITE 6B was a valid ETDE descriptor.)
UF *haynes stellite 6b*
*BT1 chromium alloys
*BT1 corrosion resistant alloys
*BT1 haynes alloys
*BT1 heat resisting alloys
*BT1 iron alloys
*BT1 nickel alloys
*BT1 stellite
*BT1 tungsten alloys
NT1 stellite 6

alloy-co62cr28mo6ni3
Use haynes alloys
AND stellite

alloy-co64cr29w4
Use chromium alloys
AND stellite
AND tungsten alloys

alloy-co66cr26w6
Use chromium alloys
AND stellite
AND tungsten alloys

ALLOY-CU52NI47
*BT1 copper base alloys
*BT1 nickel alloys
NT1 constantan

ALLOY-CU70NI30
INIS: Mar 1992; ETDE: Aug 1994
*BT1 copper base alloys

ALLOY-CU90NI10
INIS: Mar 1992; ETDE: Aug 1994
*BT1 copper base alloys

alloy-d-43
Use niobium base alloys

ALLOY-D-9
INIS: Oct 1993; ETDE: Aug 1984
*BT1 chromium-nickel steels

ALLOY-D-979
INIS: Apr 2000; ETDE: Dec 1974
*BT1 aluminium alloys
*BT1 chromium alloys
*BT1 heat resisting alloys
*BT1 molybdenum alloys
*BT1 nickel alloys
*BT1 titanium alloys
*BT1 tungsten alloys

alloy-dh-245
Use niobium base alloys

alloy-ehi 183
Use steel-cr17ni13mo3ti

alloy-ehi 397
Use steel-cr17ni13mo3ti

alloy-ehi 432
Use steel-cr17ni13mo3ti

alloy-ehi 437b
Use alloy-ni77cr20ti2

alloy-ehi 702
See alloy-ni77cr20ti2
OR steel-ni36cr12ti3al-l

alloy-ehi 826
Use nickel base alloys

alloy-ehi 868
Use chromium alloys
AND nickel base alloys
AND tungsten alloys

alloy-ehp-199
Use nickel base alloys

alloy-ehp-496
Use iron alloys
AND molybdenum alloys
AND nickel base alloys
AND vanadium alloys

alloy-ehp-567
Use chromium alloys
AND molybdenum alloys
AND nickel base alloys
AND tungsten alloys

alloy-fe31cr21co20ni20mo3w2
Use iron base alloys

alloy-fe36ni33cr26
Use iron base alloys

ALLOY-FE40NI35CR22
INIS: Feb 1981; ETDE: Nov 1983
*BT1 chromium alloys
*BT1 iron base alloys
*BT1 manganese additions
*BT1 nickel alloys
*BT1 silicon additions

ALLOY-FE44NI33CR21
INIS: Feb 1982; ETDE: Nov 1983
*BT1 aluminium additions
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 incoloy alloys
*BT1 iron base alloys
*BT1 nickel alloys
*BT1 titanium additions
NT1 incoloy 800h

ALLOY-FE46NI33CR21
(From December 1978 till March 1997 SANICRO 30 was a valid ETDE descriptor.)
UF *sanicro 30*
*BT1 aluminium additions
*BT1 chromium alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 incoloy alloys
*BT1 iron base alloys
*BT1 nickel alloys
*BT1 titanium additions
NT1 incoloy 800
NT1 incoloy 802

alloy-fe48cr24ni24
Use chromium alloys
AND iron base alloys
AND nickel alloys
AND niobium alloys

ALLOY-FE53NI29CO18
*BT1 cobalt alloys
*BT1 iron base alloys
*BT1 manganese additions
*BT1 nickel alloys
NT1 kovar

alloy-fs-85
Use niobium base alloys

alloy-ge
Use copper alloys
AND silver alloys

alloy-gmr-235
Use nickel base alloys

alloy-hd-556
Use iron base alloys

alloy-hd-8077
Use nickel base alloys

ALLOY-HK-40
INIS: Dec 1980; ETDE: Aug 1979
*BT1 steel-cr25ni20

alloy-hs-21
Use haynes alloys
AND stellite

ALLOY-HS-25
*BT1 alloy-co54cr20w15ni10

ALLOY-HS-31
INIS: Apr 2000; ETDE: Dec 1974
UF *alloy-x-40*
UF *x 40 (alloy)*
*BT1 carbon additions
*BT1 iron alloys
*BT1 manganese additions
*BT1 nickel alloys
*BT1 silicon additions
*BT1 stellite

alloy-hs-6
Use stellite 6

ALLOY-HT-9
INIS: Nov 1983; ETDE: Feb 1978
*BT1 steel-cr12mov

ALLOY-IN-100
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-ni60co15cr10al6ti5mo3

ALLOY-IN-102
INIS: Apr 2000; ETDE: Dec 1974
*BT1 aluminium additions
*BT1 boron additions
*BT1 carbon additions
*BT1 chromium alloys
*BT1 iron alloys
*BT1 molybdenum alloys
*BT1 nickel base alloys
*BT1 niobium alloys
*BT1 titanium additions
*BT1 tungsten alloys
*BT1 zirconium additions

alloy-in-519
Use chromium alloys
AND iron base alloys
AND nickel alloys
AND niobium alloys

alloy-in-643
Use inconel alloys

ALLOY-IN-738
INIS: Nov 1983; ETDE: Mar 1980
*BT1 alloy-ni61cr16co9al3ti3w3

ALLOY-IN-853
INIS: Apr 2000; ETDE: Jan 1975
UF *inconel ma 753*
*BT1 aluminium alloys
*BT1 nickel base alloys
*BT1 titanium alloys
*BT1 yttrium oxides

ALLOY-IN-939
INIS: Nov 1983; ETDE: Feb 1982
*BT1 alloy-ni46cr23co19ti5al4

alloy-kh20n80
Use alloy-ni80cr20

alloy-kh20n80t
Use nickel base alloys

ALLOY-KHN50MBVYU
INIS: Apr 2000; ETDE: Jun 1979
*BT1 aluminium alloys
*BT1 chromium alloys
*BT1 iron alloys
*BT1 molybdenum alloys
*BT1 niobium alloys
*BT1 tungsten alloys

alloy-khn56vmtyu
Use nickel base alloys

alloy-khn60b
Use chromium alloys
AND nickel base alloys
AND tungsten alloys

alloy-khn60v
Use chromium alloys
AND nickel base alloys
AND tungsten alloys

alloy-khn60vt
Use nickel base alloys

alloy-khn67vmtyu
Use nickel base alloys

alloy-khn77tyu
Use nickel base alloys

alloy-khn77tyur
Use alloy-ni77cr20ti2

alloy-khn78t
Use alloy-ni78cr21

alloy-l-605
Use cobalt base alloys

alloy-m-252
Use nickel base alloys

ALLOY-M-813
INIS: Apr 2000; ETDE: Jul 1977
*BT1 aluminium alloys
*BT1 chromium-nickel-molybdenum steels
*BT1 titanium alloys

alloy-ma-754
Use nickel base alloys

alloy-ma-956
Use iron base alloys

ALLOY-MAR-M246
INIS: Apr 2000; ETDE: Feb 1975
*BT1 aluminium alloys
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 molybdenum alloys
*BT1 nickel base alloys
*BT1 tantalum alloys
*BT1 titanium alloys
*BT1 tungsten alloys

alloy-mm-0011
Use nickel base alloys

ALLOY-MN-21
INIS: Apr 2000; ETDE: Dec 1978
UF *mn-21*
*BT1 aluminium alloys
*BT1 chromium alloys
*BT1 molybdenum alloys
*BT1 nickel base alloys
*BT1 niobium alloys
*BT1 tungsten alloys

ALLOY-MO-RE-1
INIS: Apr 2000; ETDE: Aug 1979
UF *mo-re 1*
*BT1 chromium alloys
*BT1 iron alloys
*BT1 manganese alloys
*BT1 nickel alloys
*BT1 silicon alloys
*BT1 tungsten alloys

ALLOY-MO-RE-2
INIS: Apr 2000; ETDE: Oct 1979
- UF *mo-re 2*
- *BT1 chromium base alloys
- *BT1 nickel base alloys
- *BT1 tungsten base alloys

ALLOY-MO99
- UF *alloy-vm-1*
- UF *tzm*
- *BT1 corrosion resistant alloys
- *BT1 heat resisting alloys
- *BT1 molybdenum base alloys
- *BT1 titanium additions
- *BT1 zirconium additions
- **NT1** alloy-tzm
- **NT1** alloy-zm-2a

ALLOY-MO99B
INIS: Sep 1978; ETDE: Jan 1984
- UF *alloy-tsm6*
- *BT1 boron additions
- *BT1 molybdenum base alloys
- *BT1 zirconium additions

ALLOY-MP35N
INIS: Apr 2000; ETDE: Jan 1979
- UF *mp35n*
- *BT1 chromium alloys
- *BT1 cobalt alloys
- *BT1 molybdenum alloys
- *BT1 nickel alloys

ALLOY-N-10M
INIS: Apr 2000; ETDE: Dec 1974
- *BT1 carbon additions
- *BT1 heat resisting alloys
- *BT1 molybdenum alloys
- *BT1 niobium base alloys
- *BT1 tantalum additions
- *BT1 titanium additions
- *BT1 zirconium additions

alloy-n-155
- Use iron base alloys

ALLOY-N-9M
INIS: Apr 2000; ETDE: Dec 1974
- *BT1 carbon additions
- *BT1 heat resisting alloys
- *BT1 molybdenum alloys
- *BT1 niobium base alloys
- *BT1 zirconium additions

ALLOY-N28T3
INIS: Apr 2000; ETDE: May 1979
- *BT1 carbon additions
- *BT1 manganese additions
- *BT1 nickel alloys
- *BT1 silicon additions
- *BT1 titanium alloys

alloy-n55m20v25
- Use molybdenum alloys
- AND nickel base alloys
- AND tungsten alloys

alloy-n65m20v15
- Use molybdenum alloys
- AND nickel base alloys
- AND tungsten alloys

ALLOY-NI41FE40CR16NB3
- *BT1 chromium alloys
- *BT1 corrosion resistant alloys
- *BT1 heat resisting alloys
- *BT1 inconel alloys
- *BT1 iron alloys
- *BT1 niobium alloys
- *BT1 titanium alloys
- **NT1** inconel 706

alloy-ni42fe36cr12mo6ti3
- Use incoloy alloys
- AND nickel base alloys

ALLOY-NI43FE30CR22MO3
INIS: Sep 1983; ETDE: Jan 1984
- *BT1 aluminium additions
- *BT1 chromium alloys
- *BT1 copper alloys
- *BT1 corrosion resistant alloys
- *BT1 heat resisting alloys
- *BT1 incoloy alloys
- *BT1 iron alloys
- *BT1 molybdenum alloys
- *BT1 nickel base alloys
- *BT1 titanium additions
- **NT1** incoloy 825

ALLOY-NI43FE33CR16MO3
- UF *pe-16*
- *BT1 aluminium alloys
- *BT1 boron additions
- *BT1 chromium alloys
- *BT1 cobalt additions
- *BT1 copper additions
- *BT1 corrosion resistant alloys
- *BT1 heat resisting alloys
- *BT1 iron alloys
- *BT1 molybdenum alloys
- *BT1 nimonic
- *BT1 titanium alloys
- *BT1 zirconium additions
- **NT1** nimonic pe16

alloy-ni45cr23fe19co3mo3w3
- Use nickel base alloys

ALLOY-NI45FE34CR20
- UF *steel-kh20n45b*
- *BT1 chromium alloys
- *BT1 corrosion resistant alloys
- *BT1 iron alloys
- *BT1 nickel base alloys
- *BT1 niobium additions

ALLOY-NI46CR23CO19TI5AL4
INIS: Jan 1982; ETDE: Nov 1983
- *BT1 aluminium alloys
- *BT1 boron additions
- *BT1 chromium alloys
- *BT1 cobalt alloys
- *BT1 corrosion resistant alloys
- *BT1 heat resisting alloys
- *BT1 inconel alloys
- *BT1 iron additions
- *BT1 niobium additions
- *BT1 tantalum alloys
- *BT1 titanium alloys
- *BT1 zirconium additions
- **NT1** alloy-in-939

alloy-ni47cr25co12w9fe3
- Use inconel alloys

alloy-ni48co28cr15al3mo3ti2
- Use inconel alloys

alloy-ni48cr22fe18mo9
- Use nimonic

ALLOY-NI49CR22FE18MO9
- *BT1 chromium alloys
- *BT1 cobalt alloys
- *BT1 corrosion resistant alloys
- *BT1 hastelloys
- *BT1 heat resisting alloys
- *BT1 iron alloys
- *BT1 molybdenum alloys
- *BT1 tungsten additions
- **NT1** hastelloy x

ALLOY-NI50CO20CR15AL5MO5
INIS: Mar 1976; ETDE: Jan 1984
- *BT1 aluminium alloys
- *BT1 chromium alloys
- *BT1 cobalt alloys
- *BT1 corrosion resistant alloys
- *BT1 heat resisting alloys
- *BT1 iron alloys
- *BT1 molybdenum alloys
- *BT1 nimonic
- *BT1 titanium alloys
- **NT1** nimonic 105

ALLOY-NI50CR22FE18MO9
INIS: Feb 1982; ETDE: Nov 1983
- *BT1 chromium alloys
- *BT1 corrosion resistant alloys
- *BT1 hastelloys
- *BT1 heat resisting alloys
- *BT1 iron alloys
- *BT1 molybdenum alloys
- *BT1 tungsten additions
- **NT1** hastelloy xr

ALLOY-NI50MO32CR15SI3
INIS: Dec 1980; ETDE: Nov 1983
(From October 1978 till March 1997 TRIBALOY 700 was a valid ETDE descriptor.)
- UF *tribaloy 700*
- *BT1 chromium alloys
- *BT1 corrosion resistant alloys
- *BT1 heat resisting alloys
- *BT1 molybdenum alloys
- *BT1 nickel base alloys
- *BT1 silicon alloys

ALLOY-NI51CR48
INIS: Dec 1980; ETDE: Nov 1983
- *BT1 chromium alloys
- *BT1 corrosion resistant alloys
- *BT1 heat resisting alloys
- *BT1 inconel alloys
- *BT1 titanium additions
- **NT1** inconel 671

ALLOY-NI53CO19CR15MO5AL4TI3
- *BT1 aluminium alloys
- *BT1 boron additions
- *BT1 corrosion resistant alloys
- *BT1 udimet alloys
- **NT1** udimet 700

ALLOY-NI53CR19FE19NB5MO3
- *BT1 aluminium additions
- *BT1 chromium alloys
- *BT1 corrosion resistant alloys
- *BT1 heat resisting alloys
- *BT1 inconel alloys
- *BT1 iron alloys
- *BT1 molybdenum alloys
- *BT1 niobium alloys
- *BT1 titanium additions
- **NT1** inconel 718

ALLOY-NI54CR22CO13MO9
- *BT1 aluminium additions
- *BT1 chromium alloys
- *BT1 cobalt alloys
- *BT1 corrosion resistant alloys
- *BT1 heat resisting alloys
- *BT1 inconel alloys
- *BT1 molybdenum alloys
- **NT1** inconel 617

ALLOY-NI54MO17CR16FE6W4
- *BT1 chromium alloys
- *BT1 cobalt alloys
- *BT1 corrosion resistant alloys

*BT1 hastelloys
*BT1 heat resisting alloys
*BT1 iron alloys
*BT1 molybdenum alloys
*BT1 tungsten alloys
*BT1 vanadium additions
NT1 hastelloy c

ALLOY-NI55CO17CR15MO5AL4TI4

*BT1 aluminium alloys
*BT1 boron additions
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 molybdenum alloys
*BT1 nickel base alloys
*BT1 titanium alloys
*BT1 zirconium additions
NT1 astroloy

ALLOY-NI55CR19CO11MO10TI3

*BT1 aluminium alloys
*BT1 boron additions
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 molybdenum alloys
*BT1 nickel base alloys
*BT1 titanium alloys
NT1 rene 41

alloy-ni56cr21w10mo5fe4al2

Use nickel base alloys

alloy-ni58cr14co8al4mo4nb4w4

Use nickel base alloys

ALLOY-NI58CR20CO14MO4TI3

*BT1 aluminium alloys
*BT1 boron additions
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 iron alloys
*BT1 molybdenum alloys
*BT1 nickel base alloys
*BT1 titanium alloys
*BT1 zirconium additions
NT1 waspaloy

ALLOY-NI59CR20CO17TI2

INIS: Apr 1977; ETDE: Nov 1983
(From June 1977 till March 1997 NIMONIC 90 was a valid ETDE descriptor.)
UF *nimonic 90*
*BT1 aluminium alloys
*BT1 boron additions
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 iron alloys
*BT1 nimonic
*BT1 titanium alloys
*BT1 zirconium additions

ALLOY-NI59CR30FE9

INIS: Feb 1981; ETDE: Nov 1983
*BT1 chromium alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 inconel alloys
*BT1 iron alloys
*BT1 titanium additions
NT1 inconel 690

ALLOY-NI60CO15CR10AL6TI5MO3

*BT1 aluminium alloys
*BT1 boron additions
*BT1 carbon additions
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 copper additions
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 inconel alloys
*BT1 iron additions
*BT1 molybdenum alloys
*BT1 titanium alloys
*BT1 vanadium additions
*BT1 zirconium additions
NT1 alloy-in-100

alloy-ni60cr14co10ti5mo4w4al3

Use nickel base alloys

alloy-ni60cr25w15

Use chromium alloys
AND nickel base alloys
AND tungsten alloys

ALLOY-NI60FE24CR16

UF *chromel c*
UF *tophet c*
*BT1 chromel
*BT1 chromium alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 iron alloys
NT1 nichrome

ALLOY-NI61CR16CO9AL3TI3W3

INIS: Feb 1980; ETDE: Nov 1983
*BT1 aluminium alloys
*BT1 boron additions
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 inconel alloys
*BT1 molybdenum alloys
*BT1 niobium additions
*BT1 tantalum alloys
*BT1 titanium alloys
*BT1 tungsten alloys
*BT1 zirconium additions
NT1 alloy-in-738

ALLOY-NI61CR22MO9NB4FE3

*BT1 aluminium additions
*BT1 chromium alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 inconel alloys
*BT1 iron alloys
*BT1 molybdenum alloys
*BT1 niobium alloys
*BT1 titanium additions
NT1 inconel 625

ALLOY-NI61CR23FE14

INIS: Jan 1985; ETDE: Mar 1989
UF *alloy-601 (inconel)*
UF *inconel 601*
*BT1 chromium alloys
*BT1 inconel alloys
*BT1 iron alloys

ALLOY-NI62CR16MO15FE3

INIS: Dec 1980; ETDE: Nov 1983
*BT1 aluminium additions
*BT1 boron additions
*BT1 chromium alloys
*BT1 cobalt additions
*BT1 corrosion resistant alloys
*BT1 hastelloys
*BT1 heat resisting alloys
*BT1 iron alloys
*BT1 molybdenum alloys
*BT1 tungsten additions
*BT1 vanadium additions
NT1 hastelloy s

ALLOY-NI65CR25MO10

INIS: Feb 1982; ETDE: Nov 1983
*BT1 chromium alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 molybdenum alloys
*BT1 nimonic
NT1 nimonic 86

alloy-ni65mo16cr15w4

Use chromium alloys
AND molybdenum alloys
AND nickel base alloys
AND tungsten alloys

ALLOY-NI65MO28FE5

*BT1 chromium additions
*BT1 cobalt alloys
*BT1 corrosion resistant alloys
*BT1 hastelloys
*BT1 vanadium additions
NT1 hastelloy b

ALLOY-NI66CU32

INIS: Apr 1979; ETDE: Nov 1983
UF *monel r-405*
*BT1 copper alloys
*BT1 iron alloys
*BT1 manganese additions
*BT1 monel
NT1 monel 400

alloy-ni67cr19mo5w5ti3

Use nickel base alloys

alloy-ni68cr15w6al3mo3fe2

Use nickel base alloys

ALLOY-NI70MO17CR7FE5

*BT1 aluminium additions
*BT1 chromium alloys
*BT1 corrosion resistant alloys
*BT1 hastelloys
*BT1 heat resisting alloys
*BT1 iron alloys
*BT1 molybdenum alloys
*BT1 titanium additions
NT1 hastelloy n
NT1 inor-8
RT inconel alloys

ALLOY-NI73CR15FE7TI3

*BT1 aluminium additions
*BT1 chromium alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 inconel alloys
*BT1 iron alloys
*BT1 niobium additions
*BT1 titanium alloys
NT1 inconel x750

ALLOY-NI73CR20MN3NB3

*BT1 chromium alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 inconel alloys
*BT1 iron additions
*BT1 manganese alloys
*BT1 niobium alloys
*BT1 titanium additions
NT1 inconel 82

ALLOY-NI74CR13AL6MO4
INIS: Feb 1977; ETDE: Nov 1983
- *BT1 aluminium alloys
- *BT1 boron additions
- *BT1 chromium alloys
- *BT1 corrosion resistant alloys
- *BT1 heat resisting alloys
- *BT1 inconel alloys
- *BT1 molybdenum alloys
- *BT1 niobium alloys
- *BT1 titanium additions
- *BT1 zirconium additions
- **NT1** inconel 713c

ALLOY-NI75CR12AL6MO5
INIS: Jul 1981; ETDE: Nov 1983
- *BT1 aluminium alloys
- *BT1 boron additions
- *BT1 chromium alloys
- *BT1 corrosion resistant alloys
- *BT1 heat resisting alloys
- *BT1 inconel alloys
- *BT1 molybdenum alloys
- *BT1 niobium alloys
- *BT1 titanium additions
- *BT1 zirconium additions
- **NT1** inconel 713lc

ALLOY-NI76CR15FE8
- UF *sanicro 70*
- *BT1 aluminium additions
- *BT1 chromium alloys
- *BT1 corrosion resistant alloys
- *BT1 heat resisting alloys
- *BT1 inconel alloys
- *BT1 iron alloys
- *BT1 nimonic
- *BT1 titanium additions
- **NT1** inconel 600

ALLOY-NI76CR20TI2
INIS: Jan 1977; ETDE: Nov 1983
- *BT1 aluminium alloys
- *BT1 boron additions
- *BT1 chromium alloys
- *BT1 corrosion resistant alloys
- *BT1 heat resisting alloys
- *BT1 nimonic
- *BT1 titanium alloys
- *BT1 zirconium additions
- **NT1** nimonic 80a

ALLOY-NI77CR20TI2
- UF *alloy-ehi 437b*
- UF *alloy-khn77tyur*
- SF *alloy-ehi 702*
- *BT1 aluminium additions
- *BT1 boron additions
- *BT1 chromium alloys
- *BT1 corrosion resistant alloys
- *BT1 heat resisting alloys
- *BT1 iron alloys
- *BT1 nickel base alloys
- *BT1 titanium alloys

alloy-ni78cr16al4
- Use aluminium alloys
- AND chromium alloys
- AND inconel alloys

ALLOY-NI78CR21
- UF *alloy-khn78t*
- *BT1 aluminium additions
- *BT1 chromium alloys
- *BT1 iron alloys
- *BT1 manganese additions
- *BT1 nickel base alloys
- *BT1 silicon additions
- *BT1 titanium additions

ALLOY-NI79FE16MO4
INIS: Feb 1976; ETDE: Nov 1983
- *BT1 iron alloys
- *BT1 molybdenum alloys
- *BT1 nickel base alloys

ALLOY-NI80CR20
- UF *alloy-kh20n80*
- UF *chromel a*
- UF *nichrome v*
- UF *tophet a*
- *BT1 aluminium additions
- *BT1 chromel
- *BT1 chromium alloys
- *BT1 iron additions
- *BT1 silicon additions

alloy-ni80fe16mo4
- Use molybdenum alloys
- AND nickel base alloys
- AND permalloy

ALLOY-NI94MN3AL2
- *BT1 aluminium alloys
- *BT1 manganese alloys
- *BT1 nickel base alloys
- *BT1 silicon additions
- **NT1** alumel

ALLOY-NT25A5
INIS: Apr 2000; ETDE: May 1979
- *BT1 aluminium alloys
- *BT1 heat resisting alloys
- *BT1 niobium base alloys
- *BT1 titanium alloys

ALLOY NUCLEAR FUELS
- *BT1 nuclear fuels
- *BT1 solid fuels

ALLOY-NX-188
INIS: Apr 2000; ETDE: Dec 1978
- UF *nx-188*
- *BT1 aluminium alloys
- *BT1 molybdenum alloys
- *BT1 nickel base alloys

ALLOY-RA-333
INIS: Nov 1983; ETDE: Aug 1979
- UF *ra 333*
- *BT1 chromium alloys
- *BT1 cobalt alloys
- *BT1 corrosion resistant alloys
- *BT1 heat resisting alloys
- *BT1 iron alloys
- *BT1 molybdenum alloys
- *BT1 nickel base alloys
- *BT1 silicon alloys
- *BT1 tungsten alloys

ALLOY-S-590
INIS: Apr 2000; ETDE: Dec 1974
- *BT1 chromium alloys
- *BT1 cobalt alloys
- *BT1 heat resisting alloys
- *BT1 molybdenum alloys
- *BT1 nickel alloys
- *BT1 niobium alloys
- *BT1 tungsten alloys

ALLOY-S-816
INIS: Apr 2000; ETDE: Dec 1974
- *BT1 carbon additions
- *BT1 chromium alloys
- *BT1 cobalt alloys
- *BT1 heat resisting alloys
- *BT1 iron alloys
- *BT1 manganese alloys
- *BT1 molybdenum alloys
- *BT1 nickel alloys
- *BT1 niobium alloys
- *BT1 silicon additions
- *BT1 tantalum alloys
- *BT1 tungsten alloys

alloy su31
- Use niobium base alloys

ALLOY SYSTEMS
- **NT1** binary alloy systems
- **NT1** quaternary alloy systems
- **NT1** ternary alloy systems
- *RT* alloys
- *RT* phase diagrams
- *RT* vegard law

alloy-ta-10v
- *See* tantalum base alloys

ALLOY-TA90W8HF
- *BT1 hafnium alloys
- *BT1 tantalum base alloys
- *BT1 tungsten alloys
- **NT1** tantalum alloy-t111

ALLOY-TI78CR11MO7AL3
- UF *alloy-vt15*
- *BT1 aluminium alloys
- *BT1 chromium alloys
- *BT1 molybdenum alloys
- *BT1 titanium base alloys

ALLOY-TI88MO8AL3
- UF *alloy-vt22*
- *BT1 aluminium alloys
- *BT1 chromium alloys
- *BT1 iron additions
- *BT1 molybdenum alloys
- *BT1 titanium base alloys

ALLOY-TI89AL6MO3
- UF *alloy-vt9*
- *BT1 aluminium alloys
- *BT1 molybdenum alloys
- *BT1 titanium base alloys
- *BT1 zirconium alloys

ALLOY-TI90AL6
INIS: Sep 1978; ETDE: Jan 1984
- UF *alloy-vt20*
- *BT1 aluminium alloys
- *BT1 molybdenum additions
- *BT1 titanium base alloys
- *BT1 vanadium additions
- *BT1 zirconium alloys

ALLOY-TI90AL6MO3
INIS: Jan 1976; ETDE: Jan 1984
- UF *alloy-vt8*
- *BT1 aluminium alloys
- *BT1 iron additions
- *BT1 molybdenum alloys
- *BT1 titanium base alloys

ALLOY-TI90AL6V4
- UF *alloy-vt6*
- *BT1 aluminium alloys
- *BT1 iron additions
- *BT1 titanium base alloys
- *BT1 vanadium alloys

ALLOY-TI90MO7AL2
- UF *alloy-vt16*
- *BT1 aluminium alloys
- *BT1 molybdenum alloys
- *BT1 titanium base alloys

ALLOY-TI91AL4MO3
- UF *alloy-vt14*
- *BT1 aluminium alloys
- *BT1 iron additions

*BT1 molybdenum alloys
*BT1 titanium base alloys
*BT1 vanadium alloys

ALLOY-TI91AL5CR2
INIS: Feb 1977; ETDE: Jan 1984
UF *alloy-vt3-1*
UF *alloy-vtz-1*
*BT1 aluminium alloys
*BT1 chromium alloys
*BT1 iron additions
*BT1 molybdenum alloys
*BT1 titanium base alloys

ALLOY-TI99
UF *alloy-vt1-0*
*BT1 titanium base alloys

alloy-ts5
See titanium base alloys

alloy-tsm6
Use alloy-mo99b

alloy-tzc
See molybdenum base alloys

ALLOY-TZM
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-mo99

ALLOY-U90NB7ZR3
(From 1974 till March 1997 MULBERRY ALLOY was a valid ETDE descriptor.)
UF *mulberry alloy*
*BT1 niobium alloys
*BT1 uranium base alloys
*BT1 zirconium alloys

ALLOY-V-36
INIS: Apr 2000; ETDE: Dec 1974
*BT1 carbon additions
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 heat resisting alloys
*BT1 iron alloys
*BT1 manganese additions
*BT1 molybdenum alloys
*BT1 nickel alloys
*BT1 niobium alloys
*BT1 silicon additions
*BT1 tantalum alloys
*BT1 tungsten alloys

ALLOY-V87CR9FE3
(Until October 1996 this was a valid descriptor.)
UF *vanstar 7*
*BT1 chromium alloys
*BT1 iron alloys
*BT1 vanadium base alloys
*BT1 zirconium alloys

alloy-vad23
See aluminium base alloys

alloy-vm-1
Use alloy-mo99

alloy-vn-3
See niobium base alloys

alloy-vt1-0
Use alloy-ti99

alloy-vt14
Use alloy-ti91al4mo3

alloy-vt15
Use alloy-ti78cr11mo7al3

alloy-vt16
Use alloy-ti90mo7al2

alloy-vt20
Use alloy-ti90al6

alloy-vt22
Use alloy-ti88mo8al3

alloy-vt3-1
Use alloy-ti91al5cr2

alloy-vt30
Use titanium base alloys

alloy-vt6
Use alloy-ti90al6v4

alloy-vt8
Use alloy-ti90al6mo3

alloy-vt9
Use alloy-ti89al6mo3

alloy-vtz-1
Use alloy-ti91al5cr2

alloy-vus-6
Use niobium base alloys

alloy-vzh98
Use chromium alloys
AND nickel base alloys
AND tungsten alloys

alloy-waz-16
Use nickel base alloys

alloy-x-40
Use alloy-hs-31

alloy-x750 (inconel)
Use inconel x750

ALLOY-YUNDK 25BA
INIS: Apr 2000; ETDE: Jun 1979
*BT1 aluminium alloys
*BT1 cobalt alloys
*BT1 copper alloys
*BT1 iron alloys
*BT1 nickel alloys
*BT1 niobium additions

ALLOY-ZM-2A
*BT1 alloy-mo99

ALLOY-ZR97NB3
INIS: Jul 1985; ETDE: Mar 1989
*BT1 heat resisting alloys
*BT1 niobium alloys
*BT1 zirconium base alloys

ALLOY-ZR98SN-2
*BT1 chromium additions
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 iron additions
*BT1 nickel additions
*BT1 tin alloys
*BT1 zircaloy
NT1 zircaloy 2

ALLOY-ZR98SN-4
*BT1 chromium additions
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 iron additions
*BT1 tin alloys
*BT1 zircaloy
NT1 zircaloy 4

alloying effects
Use metallurgical effects

ALLOYS
UF *actinium additions*
UF *astatine additions*
UF *berkelium additions*
UF *californium additions*
UF *einsteinium additions*
UF *radium additions*
NT1 actinide alloys
NT2 americium alloys
NT2 berkelium alloys
NT2 californium alloys
NT2 curium alloys
NT3 curium additions
NT2 einsteinium alloys
NT2 neptunium alloys
NT3 neptunium additions
NT2 plutonium alloys
NT3 plutonium base alloys
NT2 protactinium alloys
NT2 thorium alloys
NT3 magnesium alloy-hk31a
NT3 thorium additions
NT3 thorium base alloys
NT2 uranium alloys
NT3 uranium base alloys
NT4 alloy-u90nb7zr3
NT1 aluminium alloys
NT2 alloy-b-1900
NT2 alloy-d-979
NT2 alloy-in-853
NT2 alloy-khn50mbvyu
NT2 alloy-m-813
NT2 alloy-mar-m246
NT2 alloy-mn-21
NT2 alloy-ni43fe33cr16mo3
NT3 nimonic pe16
NT2 alloy-ni46cr23co19ti5al4
NT3 alloy-in-939
NT2 alloy-ni50co20cr15al5mo5
NT3 nimonic 105
NT2 alloy-ni53co19cr15mo5al4ti3
NT3 udimet 700
NT2 alloy-ni55co17cr15mo5al4ti4
NT3 astroloy
NT2 alloy-ni55cr19co11mo10ti3
NT3 rene 41
NT2 alloy-ni58cr20co14mo4ti3
NT3 waspaloy
NT2 alloy-ni59cr20co17ti2
NT2 alloy-ni60co15cr10al6ti5mo3
NT3 alloy-in-100
NT2 alloy-ni61cr16co9al3ti3w3
NT3 alloy-in-738
NT2 alloy-ni74cr13al6mo4
NT3 inconel 713c
NT2 alloy-ni75cr12al6mo5
NT3 inconel 713lc
NT2 alloy-ni76cr20ti2
NT3 nimonic 80a
NT2 alloy-ni94mn3al2
NT3 alumel
NT2 alloy-nt25a5
NT2 alloy-nx-188
NT2 alloy-ti78cr11mo7al3
NT2 alloy-ti88mo8al3
NT2 alloy-ti89al6mo3
NT2 alloy-ti90al6
NT2 alloy-ti90al6mo3
NT2 alloy-ti90al6v4
NT2 alloy-ti90mo7al2
NT2 alloy-ti91al4mo3
NT2 alloy-ti91al5cr2
NT2 alloy-yundk 25ba
NT2 alnico alloys
NT2 aluminium additions
NT3 alloy-fe44ni33cr21

NT2 thallium additions
NT2 thallium base alloys
NT1 tin alloys
NT2 alloy-bi50pb25cd12sn12
NT3 wood metal
NT2 alloy-zr98sn-2
NT3 zircaloy 2
NT2 alloy-zr98sn-4
NT3 zircaloy 4
NT2 bronze
NT2 cerrobend alloys
NT2 lichtenberg alloy
NT2 newton-metal
NT2 ounce metal
NT2 rose-metal
NT2 terne-metal
NT2 tin additions
NT3 zamak
NT2 tin base alloys
NT1 transition element alloys
NT2 chromium alloys
NT3 alloy-b-1900
NT3 alloy-co36cr22ni22w15fe3
NT4 haynes 188 alloy
NT3 alloy-co43cr20fe18ni13w3
NT4 havar
NT3 alloy-co54cr20w15ni10
NT4 alloy-hs-25
NT4 haynes 25 alloy
NT3 alloy-co60cr30w4
NT4 stellite 6
NT3 alloy-d-979
NT3 alloy-fe40ni35cr22
NT3 alloy-fe44ni33cr21
NT4 incoloy 800h
NT3 alloy-fe46ni33cr21
NT4 incoloy 800
NT4 incoloy 802
NT3 alloy-in-102
NT3 alloy-khn50mbvyu
NT3 alloy-mar-m246
NT3 alloy-mn-21
NT3 alloy-mo-re-1
NT3 alloy-mp35n
NT3 alloy-ni41fe40cr16nb3
NT4 inconel 706
NT3 alloy-ni43fe30cr22mo3
NT4 incoloy 825
NT3 alloy-ni43fe33cr16mo3
NT4 nimonic pe16
NT3 alloy-ni45fe34cr20
NT3 alloy-ni46cr23co19ti5al4
NT4 alloy-in-939
NT3 alloy-ni49cr22fe18mo9
NT4 hastelloy x
NT3 alloy-ni50co20cr15al5mo5
NT4 nimonic 105
NT3 alloy-ni50cr22fe18mo9
NT4 hastelloy xr
NT3 alloy-ni50mo32cr15si3
NT3 alloy-ni51cr48
NT4 inconel 671
NT3 alloy-ni53cr19fe19nb5mo3
NT4 inconel 718
NT3 alloy-ni54cr22co13mo9
NT4 inconel 617
NT3 alloy-ni54mo17cr16fe6w4
NT4 hastelloy c
NT3 alloy-ni55co17cr15mo5al4ti4
NT4 astroloy
NT3 alloy-ni55cr19co11mo10ti3
NT4 rene 41
NT3 alloy-ni58cr20co14mo4ti3
NT4 waspaloy
NT3 alloy-ni59cr20co17ti2
NT3 alloy-ni59cr30fe9
NT4 inconel 690
NT3 alloy-ni60co15cr10al6ti5mo3
NT4 alloy-in-100
NT3 alloy-ni60fe24cr16
NT4 nichrome
NT3 alloy-ni61cr16co9al3ti3w3
NT4 alloy-in-738
NT3 alloy-ni61cr22mo9nb4fe3
NT4 inconel 625
NT3 alloy-ni61cr23fe14
NT3 alloy-ni62cr16mo15fe3
NT4 hastelloy s
NT3 alloy-ni65cr25mo10
NT4 nimonic 86
NT3 alloy-ni70mo17cr7fe5
NT4 hastelloy n
NT4 inor-8
NT3 alloy-ni73cr15fe7ti3
NT4 inconel x750
NT3 alloy-ni73cr20mn3nb3
NT4 inconel 82
NT3 alloy-ni74cr13al6mo4
NT4 inconel 713c
NT3 alloy-ni75cr12al6mo5
NT4 inconel 713lc
NT3 alloy-ni76cr15fe8
NT4 inconel 600
NT3 alloy-ni76cr20ti2
NT4 nimonic 80a
NT3 alloy-ni77cr20ti2
NT3 alloy-ni78cr21
NT3 alloy-ni80cr20
NT3 alloy-ra-333
NT3 alloy-s-590
NT3 alloy-s-816
NT3 alloy-ti78cr11mo7al3
NT3 alloy-ti88mo8al3
NT3 alloy-ti91al5cr2
NT3 alloy-v-36
NT3 alloy-v87cr9fe3
NT3 ascoloy
NT3 chromium additions
NT4 alloy-ni65mo28fe5
NT5 hastelloy b
NT4 alloy-zr98sn-2
NT5 zircaloy 2
NT4 alloy-zr98sn-4
NT5 zircaloy 4
NT4 steel-crmo
NT4 steel-crni
NT4 steel-mncumo
NT5 steel-astm-a537
NT4 steel-ni3cr
NT4 steel-nicr
NT4 steel-nicrmo
NT4 steel-nimocr
NT3 chromium base alloys
NT4 alloy-mo-re-2
NT3 chromium steels
NT4 chromium-molybdenum steels
NT5 chromium-nickel-molybdenum steels
NT6 alloy-m-813
NT6 steel-cr11ni10mo2ti-l
NT6 steel-cr15ni15motib
NT6 steel-cr16ni13monbv
NT6 steel-cr16ni15mo3nb
NT6 steel-cr16ni16monb
NT6 steel-cr16ni8mo2
NT7 stainless steel-16-8-2
NT6 steel-cr16ni9mo2
NT6 steel-cr17ni12mo3
NT7 stainless steel-316
NT6 steel-cr17ni12mo3-l
NT7 stainless steel-316l
NT7 stainless steel-zcnd17-13
NT6 steel-cr17ni12monb
NT6 steel-cr17ni13mo2ti
NT6 steel-cr17ni13mo3ti
NT6 steel-ni26cr15ti2movalb
NT7 alloy-a-286
NT4 magnet steel-ks
NT4 miduale
NT4 stainless steel-406
NT4 steel-cr10mo2
NT4 steel-cr12
NT5 stainless steel-403
NT4 steel-cr12moniv
NT4 steel-cr12mov
NT5 alloy-ht-9
NT4 steel-cr13
NT5 stainless steel-410
NT4 steel-cr13al
NT5 stainless steel-405
NT4 steel-cr16
NT5 stainless steel-430
NT4 steel-cr16ni
NT4 steel-cr17cu4ni4nb-l
NT5 stainless steel-17-4ph
NT4 steel-cr17mo
NT5 stainless steel-440
NT4 steel-cr17ni4mo3
NT4 steel-cr18
NT4 steel-cr25
NT5 stainless steel-446
NT4 steel-cr9mo
NT4 steel-cr9monbv
NT3 chromium-nickel steels
NT4 alloy-d-9
NT4 carpenter
NT4 chromium-nickel-molybdenum steels
NT5 alloy-m-813
NT5 steel-cr11ni10mo2ti-l
NT5 steel-cr15ni15motib
NT5 steel-cr16ni13monbv
NT5 steel-cr16ni15mo3nb
NT5 steel-cr16ni16monb
NT5 steel-cr16ni8mo2
NT6 stainless steel-16-8-2
NT5 steel-cr16ni9mo2
NT5 steel-cr17ni12mo3
NT6 stainless steel-316
NT5 steel-cr17ni12mo3-l
NT6 stainless steel-316l
NT6 stainless steel-zcnd17-13
NT5 steel-cr17ni12monb
NT5 steel-cr17ni13mo2ti
NT5 steel-cr17ni13mo3ti
NT5 steel-ni26cr15ti2movalb
NT6 alloy-a-286
NT4 durco
NT4 enduro
NT4 stainless steel-17-7ph
NT4 stainless steel-303
NT4 stainless steel-329
NT4 stainless steel-ph-15-7-mo
NT4 steel-cr17ni13
NT4 steel-cr17ni7
NT5 stainless steel-301
NT4 steel-cr18ni10
NT5 stainless steel-18-10
NT4 steel-cr18ni10-l
NT4 steel-cr18ni10ti
NT5 stainless steel-321
NT4 steel-cr18ni11
NT5 steel-x6crni1811
NT4 steel-cr18ni11nb
NT5 stainless steel-347
NT4 steel-cr18ni11nbco
NT5 stainless steel-348
NT4 steel-cr18ni12
NT5 stainless steel-305
NT4 steel-cr18ni12ti
NT4 steel-cr18ni8
NT5 stainless steel-18-8
NT4 steel-cr18ni9
NT5 stainless steel-302
NT4 steel-cr18ni9ti
NT4 steel-cr19ni10
NT5 stainless steel-304

NT4 alloy-in-102
NT4 alloy-mo99
NT5 alloy-tzm
NT5 alloy-zm-2a
NT4 alloy-n-10m
NT4 alloy-ni43fe30cr22mo3
NT5 incoloy 825
NT4 alloy-ni51cr48
NT5 inconel 671
NT4 alloy-ni53cr19fe19nb5mo3
NT5 inconel 718
NT4 alloy-ni59cr30fe9
NT5 inconel 690
NT4 alloy-ni61cr22mo9nb4fe3
NT5 inconel 625
NT4 alloy-ni70mo17cr7fe5
NT5 hastelloy n
NT5 inor-8
NT4 alloy-ni73cr20mn3nb3
NT5 inconel 82
NT4 alloy-ni74cr13al6mo4
NT5 inconel 713c
NT4 alloy-ni75cr12al6mo5
NT5 inconel 713lc
NT4 alloy-ni76cr15fe8
NT5 inconel 600
NT4 alloy-ni78cr21
NT4 duranickel
NT4 steel-cr15ni15motib
NT4 steel-cr17ni13mo2ti
NT4 steel-cr17ni13mo3ti
NT4 steel-cr18ni10ti
NT5 stainless steel-321
NT4 steel-cr18ni12ti
NT4 steel-cr18ni9ti
NT3 titanium base alloys
NT4 alloy-ti78cr11mo7al3
NT4 alloy-ti88mo8al3
NT4 alloy-ti89al6mo3
NT4 alloy-ti90al6
NT4 alloy-ti90al6mo3
NT4 alloy-ti90al6v4
NT4 alloy-ti90mo7al2
NT4 alloy-ti91al4mo3
NT4 alloy-ti91al5cr2
NT4 alloy-ti99
NT3 udimet alloys
NT4 alloy-ni53co19cr15mo5al4ti3
NT5 udimet 700
NT4 udimet 500
NT2 tungsten alloys
NT3 alloy-c-103
NT3 alloy-co36cr22ni22w15fe3
NT4 haynes 188 alloy
NT3 alloy-co43cr20fe18ni13w3
NT4 havar
NT3 alloy-co54cr20w15ni10
NT4 alloy-hs-25
NT4 haynes 25 alloy
NT3 alloy-co60cr30w4
NT4 stellite 6
NT3 alloy-d-979
NT3 alloy-in-102
NT3 alloy-khn50mbvyu
NT3 alloy-mar-m246
NT3 alloy-mn-21
NT3 alloy-mo-re-1
NT3 alloy-ni54mo17cr16fe6w4
NT4 hastelloy c
NT3 alloy-ni61cr16co9al3ti3w3
NT4 alloy-in-738
NT3 alloy-ra-333
NT3 alloy-s-590
NT3 alloy-s-816
NT3 alloy-ta90w8hf
NT4 tantalum alloy-t111
NT3 alloy-v-36
NT3 astar 811c
NT3 carboloy
NT3 magnet steel-ks
NT3 miduale
NT3 rene 80
NT3 rene 95
NT3 supertherm
NT3 tungsten additions
NT4 alloy-ni49cr22fe18mo9
NT5 hastelloy x
NT4 alloy-ni50cr22fe18mo9
NT5 hastelloy xr
NT4 alloy-ni62cr16mo15fe3
NT5 hastelloy s
NT4 steel-ni4crw
NT3 tungsten base alloys
NT4 alloy-mo-re-2
NT3 tungsten bronze
NT3 udimet 500
NT2 vanadium alloys
NT3 alloy-co52fe35v10
NT3 alloy-ti90al6v4
NT3 alloy-ti91al4mo3
NT3 vanadium additions
NT4 alloy-ni54mo17cr16fe6w4
NT5 hastelloy c
NT4 alloy-ni60co15cr10al6ti5mo3
NT5 alloy-in-100
NT4 alloy-ni62cr16mo15fe3
NT5 hastelloy s
NT4 alloy-ni65mo28fe5
NT5 hastelloy b
NT4 alloy-ti90al6
NT4 steel-cr12moniv
NT4 steel-cr12mov
NT5 alloy-ht-9
NT4 steel-cr16ni13monbv
NT4 steel-cr2mov
NT4 steel-cr2nimov
NT4 steel-cr9monbv
NT4 steel-crmov
NT4 steel-mnnimov
NT4 steel-ni26cr15ti2movalb
NT5 alloy-a-286
NT4 steel-ni3crmo
NT5 steel-astm-a543
NT4 steel-ni3crmov
NT3 vanadium base alloys
NT4 alloy-v87cr9fe3
NT2 yttrium alloys
NT3 alloy-c-103
NT3 ge 2541
NT3 yttrium base alloys
NT2 zirconium alloys
NT3 alloy-c-103
NT3 alloy-ti89al6mo3
NT3 alloy-ti90al6
NT3 alloy-u90nb7zr3
NT3 alloy-v87cr9fe3
NT3 zirconium additions
NT4 alloy-in-102
NT4 alloy-mo99
NT5 alloy-tzm
NT5 alloy-zm-2a
NT4 alloy-mo99b
NT4 alloy-n-10m
NT4 alloy-n-9m
NT4 alloy-ni43fe33cr16mo3
NT5 nimonic pe16
NT4 alloy-ni46cr23co19ti5al4
NT5 alloy-in-939
NT4 alloy-ni55co17cr15mo5al4ti4
NT5 astroloy
NT4 alloy-ni58cr20co14mo4ti3
NT5 waspaloy
NT4 alloy-ni59cr20co17ti2
NT4 alloy-ni60co15cr10al6ti5mo3
NT5 alloy-in-100
NT4 alloy-ni61cr16co9al3ti3w3
NT5 alloy-in-738
NT4 alloy-ni74cr13al6mo4
NT5 inconel 713c
NT4 alloy-ni75cr12al6mo5
NT5 inconel 713lc
NT4 alloy-ni76cr20ti2
NT5 nimonic 80a
NT4 magnesium alloy-ek
NT4 magnesium alloy-ez
NT4 magnesium alloy-hk31a
NT4 rene 80
NT4 rene 95
NT3 zirconium base alloys
NT4 alloy-zr97nb3
NT4 zircaloy
NT5 alloy-zr98sn-2
NT6 zircaloy 2
NT5 alloy-zr98sn-4
NT6 zircaloy 4
NT1 zinc alloys
NT2 brass
NT3 brass-alpha
NT3 brass-beta
NT2 lynite
NT2 magnesium alloy-az31b
NT2 magnesium alloy-ez
NT2 magnesium alloy-zr
NT2 muntz metal
NT2 ounce metal
NT2 zinc additions
NT3 nickeline alloy
NT2 zinc base alloys
NT3 zamak
RT alloy systems
RT binary mixtures
RT metallic glasses
RT metals
RT semimetals
RT solid solutions

ALLUVIAL DEPOSITS

(Earth, sand, gravel, or other mineral materials transported by and laid down by flowing water.)
BT1 geologic deposits
RT clays
RT ground water
RT placers
RT sand
RT sediments
RT soils
RT surface waters

ALLYL RADICALS

*BT1 alkyl radicals

alma-ata wwr-k reactor

Use wwr-k-almaty reactor

ALMARAZ-1 REACTOR

INIS: Apr 1977; ETDE: Jun 1977
(Almaraz, Caceres, Spain)
*BT1 pwr type reactors

ALMARAZ-2 REACTOR

INIS: Apr 1977; ETDE: Jun 1977
(Almaraz, Caceres, Spain)
*BT1 pwr type reactors

almaty wwr-k reactor

Use wwr-k-almaty reactor

almendro event

Use nuclear explosions
AND underground explosions

ALNICO ALLOYS

*BT1 aluminium alloys
*BT1 cobalt alloys
*BT1 iron base alloys
*BT1 nickel alloys

ALOE
*BT1 liliopsida
*BT1 medicinal plants

ALOUETTE SATELLITES
BT1 satellites

alpha autoradiography
Use alpha particles
AND autoradiography

ALPHA BEAMS
*BT1 helium 4 beams
RT alpha particles

ALPHA-BEARING WASTES
INIS: Apr 1979; ETDE: May 1979
UF *transuranium wastes*
UF *tru wastes*
*BT1 radioactive wastes
RT low-level radioactive wastes
RT slagging pyrolysis process
RT wipp

ALPHA DECAY
*BT1 nuclear decay
RT alpha decay radioisotopes
RT alpha particles
RT delayed alpha particles
RT gamow barrier
RT geiger-nuttall law

ALPHA DECAY RADIOISOTOPES
*BT1 radioisotopes
NT1 actinium 207
NT1 actinium 208
NT1 actinium 209
NT1 actinium 210
NT1 actinium 211
NT1 actinium 212
NT1 actinium 213
NT1 actinium 214
NT1 actinium 215
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NT1 americium 232
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NT1 astatine 191
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NT1 berkelium 243
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NT1 beryllium 8
NT1 bismuth 186
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NT1 gadolinium 148

NT1 gadolinium 149
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NT1 gadolinium 151
NT1 gadolinium 152
NT1 gold 171
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NT1 helium 5
NT1 holmium 151
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NT1 holmium 155
NT1 iodine 108
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NT1 iridium 166
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NT1 lead 187
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NT1 lithium 5
NT1 lutetium 155
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NT1 polonium 197
NT1 polonium 198
NT1 polonium 199
NT1 polonium 200
NT1 polonium 201
NT1 polonium 202
NT1 polonium 203
NT1 polonium 204
NT1 polonium 205
NT1 polonium 206
NT1 polonium 207
NT1 polonium 208
NT1 polonium 209
NT1 polonium 210
NT1 polonium 211
NT1 polonium 212
NT1 polonium 213
NT1 polonium 214
NT1 polonium 215
NT1 polonium 216
NT1 polonium 217
NT1 polonium 218
NT1 promethium 145
NT1 protactinium 212
NT1 protactinium 213
NT1 protactinium 214
NT1 protactinium 215
NT1 protactinium 216
NT1 protactinium 217
NT1 protactinium 218
NT1 protactinium 219
NT1 protactinium 220
NT1 protactinium 221
NT1 protactinium 222
NT1 protactinium 223
NT1 protactinium 224
NT1 protactinium 225
NT1 protactinium 226
NT1 protactinium 227
NT1 protactinium 228
NT1 protactinium 229
NT1 protactinium 230
NT1 protactinium 231
NT1 radium 205
NT1 radium 206
NT1 radium 207
NT1 radium 208
NT1 radium 209
NT1 radium 210
NT1 radium 211
NT1 radium 212
NT1 radium 213
NT1 radium 214
NT1 radium 215
NT1 radium 216
NT1 radium 217
NT1 radium 218
NT1 radium 219
NT1 radium 220
NT1 radium 221
NT1 radium 222
NT1 radium 223
NT1 radium 224
NT1 radium 226

NT1 radon 197
NT1 radon 199
NT1 radon 200
NT1 radon 201
NT1 radon 202
NT1 radon 203
NT1 radon 204
NT1 radon 205
NT1 radon 206
NT1 radon 207
NT1 radon 208
NT1 radon 209
NT1 radon 210
NT1 radon 211
NT1 radon 212
NT1 radon 213
NT1 radon 214
NT1 radon 215
NT1 radon 216
NT1 radon 217
NT1 radon 218
NT1 radon 219
NT1 radon 220
NT1 radon 221
NT1 radon 222
NT1 rhenium 161
NT1 rhenium 162
NT1 rhenium 163
NT1 rhenium 164
NT1 rhenium 165
NT1 rhenium 166
NT1 rhenium 167
NT1 rhenium 168
NT1 rhenium 169
NT1 samarium 146
NT1 samarium 147
NT1 samarium 148
NT1 tantalum 157
NT1 tantalum 158
NT1 tantalum 159
NT1 tantalum 160
NT1 tantalum 161
NT1 tantalum 163
NT1 tantalum 164
NT1 tellurium 106
NT1 tellurium 107
NT1 tellurium 108
NT1 tellurium 109
NT1 tellurium 110
NT1 terbium 149
NT1 terbium 151
NT1 thallium 179
NT1 thallium 182
NT1 thallium 183
NT1 thallium 184
NT1 thallium 185
NT1 thallium 186
NT1 thallium 187
NT1 thorium 212
NT1 thorium 213
NT1 thorium 214
NT1 thorium 215
NT1 thorium 216
NT1 thorium 217
NT1 thorium 218
NT1 thorium 219
NT1 thorium 220
NT1 thorium 221
NT1 thorium 222
NT1 thorium 223
NT1 thorium 224
NT1 thorium 225
NT1 thorium 226
NT1 thorium 227
NT1 thorium 228
NT1 thorium 229
NT1 thorium 230
NT1 thorium 232
NT1 thulium 153
NT1 thulium 154
NT1 thulium 155
NT1 thulium 156
NT1 thulium 157
NT1 tungsten 158
NT1 tungsten 159
NT1 tungsten 160
NT1 tungsten 161
NT1 tungsten 162
NT1 tungsten 163
NT1 tungsten 164
NT1 tungsten 165
NT1 tungsten 166
NT1 uranium 218
NT1 uranium 219
NT1 uranium 222
NT1 uranium 223
NT1 uranium 224
NT1 uranium 225
NT1 uranium 226
NT1 uranium 227
NT1 uranium 228
NT1 uranium 229
NT1 uranium 230
NT1 uranium 231
NT1 uranium 232
NT1 uranium 233
NT1 uranium 234
NT1 uranium 235
NT1 uranium 236
NT1 uranium 238
NT1 xenon 110
NT1 xenon 111
NT1 xenon 112
NT1 ytterbium 154
NT1 ytterbium 155
NT1 ytterbium 156
NT1 ytterbium 157
NT1 ytterbium 158
RT alpha decay

ALPHA DETECTION
*BT1 charged particle detection
RT alpha dosimetry
RT alpha spectrometers
RT alpha spectroscopy

alpha device
Use tlp devices

ALPHA DOSIMETRY
BT1 dosimetry
RT alpha detection

alpha-nitroso-beta-naphthol
Use 1-nitroso-2-naphthol

alpha particle model
Use cluster model

ALPHA PARTICLES
(Emitted by nuclei.)
UF+ *alpha autoradiography*
BT1 charged particles
*BT1 ionizing radiations
NT1 cosmic alpha particles
NT1 delayed alpha particles
NT1 solar alpha particles
RT alpha beams
RT alpha decay
RT alpha sources
RT alpha spectra
RT geiger-nuttall law
RT helium ash
RT helium ions

ALPHA REACTIONS
UF *helium 4 reactions*
*BT1 charged-particle reactions

ALPHA SOURCES
BT1 ion sources
*BT1 particle sources
RT alpha particles

ALPHA SPECTRA
BT1 spectra
RT alpha particles

ALPHA SPECTROMETERS
*BT1 spectrometers
RT alpha detection

alpha spectrometry
Use alpha spectroscopy

ALPHA SPECTROSCOPY
UF *alpha spectrometry*
BT1 spectroscopy
RT alpha detection

ALPHA-TRANSFER REACTIONS
*BT1 four-nucleon transfer reactions

ALPS
BT1 mountains
RT albania
RT austria
RT croatia
RT federal republic of germany
RT france
RT italy
RT slovenia
RT switzerland

ALRR REACTOR
(Ames Laboratory, Iowa State Univ., Ames, Iowa, USA)
UF *ames laboratory research reactor*
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors

als storage ring
Use advanced light source

ALTAMAHA RIVER
INIS: Apr 2000; ETDE: Dec 1980
*BT1 rivers
RT georgia
RT hydroelectric power plants

alternate fuels
See fuel substitution
OR synthetic fuels

ALTERNATING CURRENT
UF *current (alternating)*
*BT1 electric currents
RT alternators
RT parametric instabilities

alternating current systems
Use ac systems

ALTERNATIVE WORK SCHEDULES
INIS: Apr 2000; ETDE: May 1984
UF *compressed work week*
UF *flexitime*
UF *part-time work schedules*
UF *shift work*
BT1 administrative procedures
RT personnel
RT working days

ALTERNATORS
*BT1 electric generators
RT alternating current
RT automotive accessories

althein
Use asparagine

ALTIMETERS
BT1 measuring instruments

ALTITUDE
(Until July 1996 this concept was indexed to LEVELS.)
RT height
RT levels
RT sun charts

alto lazio-1 reactor
Use montalto di castro-1 reactor

alto lazio-2 reactor
Use montalto di castro-2 reactor

ALUDUR
INIS: Apr 2000; ETDE: Dec 1974
*BT1 aluminium base alloys
*BT1 iron additions
*BT1 silicon additions

ALUMEL
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-ni94mn3al2

ALUMINATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 aluminium compounds
BT1 oxygen compounds
RT aluminium oxides

aluminia
Use aluminium oxides

ALUMINIUM
UF *aluminum*
*BT1 metals
RT lime-soda sinter process
RT sap

ALUMINIUM 22
INIS: Jun 1977; ETDE: Oct 1977
*BT1 aluminium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

ALUMINIUM 23
*BT1 aluminium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

ALUMINIUM 24
*BT1 aluminium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 isomeric transition isotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ALUMINIUM 25
*BT1 aluminium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

ALUMINIUM 25 TARGET
INIS: Apr 1979; ETDE: May 1979
BT1 targets

ALUMINIUM 26
*BT1 aluminium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 light nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 years living radioisotopes

ALUMINIUM 26 TARGET
INIS: Jun 1984; ETDE: Nov 1982
BT1 targets

ALUMINIUM 27
*BT1 aluminium isotopes
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes

ALUMINIUM 27 BEAMS
INIS: Jan 1977; ETDE: Apr 1977
*BT1 ion beams

ALUMINIUM 27 REACTIONS
INIS: Aug 1978; ETDE: Oct 1978
*BT1 heavy ion reactions

ALUMINIUM 27 TARGET
BT1 targets

ALUMINIUM 28
*BT1 aluminium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

ALUMINIUM 28 TARGET
INIS: Apr 1979; ETDE: May 1979
BT1 targets

ALUMINIUM 29
*BT1 aluminium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

ALUMINIUM 30
*BT1 aluminium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ALUMINIUM 31
*BT1 aluminium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

ALUMINIUM 32
*BT1 aluminium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

ALUMINIUM 33
*BT1 aluminium isotopes
*BT1 light nuclei
*BT1 odd-even nuclei

ALUMINIUM 34
INIS: Oct 1977; ETDE: Aug 1977
*BT1 aluminium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

ALUMINIUM 35
INIS: Sep 1979; ETDE: Apr 1979
*BT1 aluminium isotopes
*BT1 light nuclei
*BT1 odd-even nuclei

ALUMINIUM 36
INIS: Jul 1980; ETDE: Feb 1980
*BT1 aluminium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 odd-odd nuclei

ALUMINIUM 37
INIS: Jul 1980; ETDE: Feb 1980
*BT1 aluminium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 odd-even nuclei

ALUMINIUM 38
INIS: Sep 1989; ETDE: Oct 1989
*BT1 aluminium isotopes
*BT1 light nuclei
*BT1 odd-odd nuclei

ALUMINIUM 39
INIS: Sep 1989; ETDE: Oct 1989
*BT1 aluminium isotopes
*BT1 light nuclei
*BT1 odd-even nuclei

ALUMINIUM ADDITIONS
(Alloys containing not more than 1% Al are listed here.)
*BT1 aluminium alloys
NT1 alloy-fe44ni33cr21
NT2 incoloy 800h
NT1 alloy-fe46ni33cr21
NT2 incoloy 800
NT2 incoloy 802
NT1 alloy-in-102
NT1 alloy-ni43fe30cr22mo3
NT2 incoloy 825
NT1 alloy-ni53cr19fe19nb5mo3
NT2 inconel 718
NT1 alloy-ni54cr22co13mo9
NT2 inconel 617
NT1 alloy-ni61cr22mo9nb4fe3
NT2 inconel 625
NT1 alloy-ni62cr16mo15fe3
NT2 hastelloy s
NT1 alloy-ni70mo17cr7fe5
NT2 hastelloy n
NT2 inor-8
NT1 alloy-ni73cr15fe7ti3
NT2 inconel x750
NT1 alloy-ni76cr15fe8
NT2 inconel 600
NT1 alloy-ni77cr20ti2
NT1 alloy-ni78cr21
NT1 alloy-ni80cr20
NT1 discaloy
NT1 incoloy 901
NT1 steel-cr13al
NT2 stainless steel-405
NT1 steel-cralnimo
NT1 steel-ni26cr15ti2movalb
NT2 alloy-a-286
NT1 steel-ni36cr12ti3al-l

ALUMINIUM-AIR BATTERIES
INIS: Apr 2000; ETDE: Mar 1980
*BT1 metal-gas batteries

ALUMINIUM ALLOYS

(Alloys containing more than 1% Al.)
UF+ *alloy-ni78cr16al4*
UF+ *inconel 702*
UF+ *sichromal alloys*
BT1 alloys
NT1 alloy-b-1900
NT1 alloy-d-979
NT1 alloy-in-853
NT1 alloy-khn50mbvyu
NT1 alloy-m-813
NT1 alloy-mar-m246
NT1 alloy-mn-21
NT1 alloy-ni43fe33cr16mo3
NT2 nimonic pe16
NT1 alloy-ni46cr23co19ti5al4
NT2 alloy-in-939
NT1 alloy-ni50co20cr15al5mo5
NT2 nimonic 105
NT1 alloy-ni53co19cr15mo5al4ti3
NT2 udimet 700
NT1 alloy-ni55co17cr15mo5al4ti4
NT2 astroloy
NT1 alloy-ni55cr19co11mo10ti3
NT2 rene 41
NT1 alloy-ni58cr20co14mo4ti3
NT2 waspaloy
NT1 alloy-ni59cr20co17ti2
NT1 alloy-ni60co15cr10al6ti5mo3
NT2 alloy-in-100
NT1 alloy-ni61cr16co9al3ti3w3
NT2 alloy-in-738
NT1 alloy-ni74cr13al6mo4
NT2 inconel 713c
NT1 alloy-ni75cr12al6mo5
NT2 inconel 713lc
NT1 alloy-ni76cr20ti2
NT2 nimonic 80a
NT1 alloy-ni94mn3al2
NT2 alumel
NT1 alloy-nt25a5
NT1 alloy-nx-188
NT1 alloy-ti78cr11mo7al3
NT1 alloy-ti88mo8al3
NT1 alloy-ti89al6mo3
NT1 alloy-ti90al6
NT1 alloy-ti90al6mo3
NT1 alloy-ti90al6v4
NT1 alloy-ti90mo7al2
NT1 alloy-ti91al4mo3
NT1 alloy-ti91al5cr2
NT1 alloy-yundk 25ba
NT1 alnico alloys
NT1 aluminium additions
NT2 alloy-fe44ni33cr21
NT3 incoloy 800h
NT2 alloy-fe46ni33cr21
NT3 incoloy 800
NT3 incoloy 802
NT2 alloy-in-102
NT2 alloy-ni43fe30cr22mo3
NT3 incoloy 825
NT2 alloy-ni53cr19fe19nb5mo3
NT3 inconel 718
NT2 alloy-ni54cr22co13mo9
NT3 inconel 617
NT2 alloy-ni61cr22mo9nb4fe3
NT3 inconel 625
NT2 alloy-ni62cr16mo15fe3
NT3 hastelloy s
NT2 alloy-ni70mo17cr7fe5
NT3 hastelloy n
NT3 inor-8
NT2 alloy-ni73cr15fe7ti3
NT3 inconel x750
NT2 alloy-ni76cr15fe8
NT3 inconel 600
NT2 alloy-ni77cr20ti2
NT2 alloy-ni78cr21
NT2 alloy-ni80cr20
NT2 discaloy
NT2 incoloy 901
NT2 steel-cr13al
NT3 stainless steel-405
NT2 steel-cralnimo
NT2 steel-ni26cr15ti2movalb
NT3 alloy-a-286
NT2 steel-ni36cr12ti3al-l
NT1 aluminium base alloys
NT2 alloy-al95cu4
NT3 duralumin
NT2 aludur
NT2 bondur
NT2 duranalium
NT2 heddur
NT2 lynite
NT2 magnalium
NT1 duranickel
NT1 ge 2541
NT1 heusler alloys
NT1 hoskins 875
NT1 kanthal
NT1 magnesium alloy-az31b
NT1 nimonic 115
NT1 rene 80
NT1 rene 95
NT1 rene-100
NT1 stainless steel-17-7ph
NT1 zamak

ALUMINIUM ARSENIDE SOLAR CELLS

INIS: May 1992; ETDE: Jul 1981
*BT1 solar cells

ALUMINIUM ARSENIDES

BT1 aluminium compounds
*BT1 arsenides

ALUMINIUM BASE ALLOYS

UF *alloy-1915*
UF *alloy-214x*
SF *alloy-vad23*
*BT1 aluminium alloys
NT1 alloy-al95cu4
NT2 duralumin
NT1 aludur
NT1 bondur
NT1 duranalium
NT1 heddur
NT1 lynite
NT1 magnalium

ALUMINIUM BORIDES

BT1 aluminium compounds
*BT1 borides

ALUMINIUM BROMIDES

BT1 aluminium compounds
*BT1 bromides

ALUMINIUM CARBIDES

BT1 aluminium compounds
*BT1 carbides

ALUMINIUM CHLORIDES

BT1 aluminium compounds
*BT1 chlorides

ALUMINIUM COMPLEXES

BT1 complexes

ALUMINIUM COMPOUNDS

NT1 aluminates
NT1 aluminium arsenides
NT1 aluminium borides
NT1 aluminium bromides
NT1 aluminium carbides
NT1 aluminium chlorides
NT1 aluminium fluorides
NT1 aluminium hydrides
NT1 aluminium hydroxides
NT1 aluminium iodides
NT1 aluminium nitrates
NT1 aluminium nitrides
NT1 aluminium oxides
NT1 aluminium perchlorates
NT1 aluminium phosphates
NT1 aluminium phosphides
NT1 aluminium selenides
NT1 aluminium silicates
NT1 aluminium silicides
NT1 aluminium sulfates
NT1 aluminium sulfides
NT1 aluminium tellurides
NT1 aluminium tungstates
RT dawsonite

ALUMINIUM FLUORIDES

BT1 aluminium compounds
*BT1 fluorides

ALUMINIUM HYDRIDES

BT1 aluminium compounds
*BT1 hydrides

ALUMINIUM HYDROXIDES

BT1 aluminium compounds
*BT1 hydroxides
RT bauxite
RT gibbsite
RT nordstrandite

ALUMINIUM IODIDES

BT1 aluminium compounds
*BT1 iodides

ALUMINIUM IONS

*BT1 ions

ALUMINIUM ISOTOPES

BT1 isotopes
NT1 aluminium 22
NT1 aluminium 23
NT1 aluminium 24
NT1 aluminium 25
NT1 aluminium 26
NT1 aluminium 27
NT1 aluminium 28
NT1 aluminium 29
NT1 aluminium 30
NT1 aluminium 31
NT1 aluminium 32
NT1 aluminium 33
NT1 aluminium 34
NT1 aluminium 35
NT1 aluminium 36
NT1 aluminium 37
NT1 aluminium 38
NT1 aluminium 39

ALUMINIUM NITRATES

BT1 aluminium compounds
*BT1 nitrates

ALUMINIUM NITRIDES

BT1 aluminium compounds
*BT1 nitrides

ALUMINIUM ORES

BT1 ores
NT1 bauxite

ALUMINIUM OXIDES

UF *aluminia*
UF+ *sialon*
UF+ *yttrium aluminium garnets*
BT1 aluminium compounds
*BT1 oxides
RT aluminates

RT chrysoberyl
RT corundum
RT hollandite
RT integrated in-situ process
RT oxide minerals
RT spinels

ALUMINIUM PERCHLORATES
INIS: Feb 1989; ETDE: Mar 1989
BT1 aluminium compounds
*BT1 perchlorates

ALUMINIUM PHOSPHATES
BT1 aluminium compounds
*BT1 phosphates
RT phosphate minerals
RT sabugalite

ALUMINIUM PHOSPHIDES
INIS: Feb 1983; ETDE: Feb 1980
BT1 aluminium compounds
*BT1 phosphides

ALUMINIUM SELENIDES
INIS: Sep 1991; ETDE: Sep 1978
BT1 aluminium compounds
*BT1 selenides

ALUMINIUM SILICATES
BT1 aluminium compounds
*BT1 silicates
RT epidotes
RT kaolinite
RT orthoclase
RT petalite
RT pollucite
RT pyrophyllite
RT silicate minerals
RT smectite
RT tourmaline
RT vermiculite

ALUMINIUM SILICIDES
INIS: Mar 1977; ETDE: Oct 1975
BT1 aluminium compounds
*BT1 silicides

ALUMINIUM SULFATES
BT1 aluminium compounds
*BT1 sulfates
RT alunite
RT sulfate minerals

ALUMINIUM SULFIDES
BT1 aluminium compounds
*BT1 sulfides

ALUMINIUM TELLURIDES
INIS: Sep 1991; ETDE: Sep 1975
BT1 aluminium compounds
*BT1 tellurides

ALUMINIUM TUNGSTATES
INIS: Sep 1979; ETDE: Oct 1979
BT1 aluminium compounds
*BT1 tungstates

aluminon
Use hydroxy acids
AND triphenylmethane dyes

aluminum
Use aluminium

ALUNITE
INIS: Apr 2000; ETDE: Apr 1975
(A mineral, rhombohedral, usually in white, gray or pink masses in hydrothermally altered feldspathic rock.)
*BT1 sulfate minerals
RT aluminium sulfates

alveoli (dental)
Use jaw

alveoli (pulmonary)
Use lungs

ALVITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 silicate minerals
RT zirconium silicates

am-1 reactor
Use aps reactor

amalgams
Use mercury alloys

AMAZON RIVER
INIS: Jun 1982; ETDE: Aug 1977
*BT1 rivers
RT brazil
RT peru

AMBER
*BT1 other organic compounds

amberlite
Use organic ion exchangers

AMBIENT TEMPERATURE
INIS: Jul 1993; ETDE: Mar 1976
(The temperature of the environment.)
UF *atmospheric temperature*
UF *environmental temperature*
UF *global temperature*
UF *temperature (ambient)*
UF *temperature (atmospheric)*
UF *temperature (global)*
RT climate models
RT climatic change
RT nuclear winter
RT temperature control
RT temperature dependence
RT temperature distribution
RT temperature gradients
RT temperature measurement
RT temperature range

AMBIPLASMA
(Containing both matter and antimatter.)
BT1 plasma
RT antimatter
RT matter

AMBIPOLAR DIFFUSION
BT1 diffusion
RT electron drift
RT ion drift
RT plasma drift

AMBROSIA LAKE
*BT1 lakes

AMCHITKA ISLAND AREA
*BT1 aleutian islands
RT alaska

amdahl computers
Use computers

ameba
Use amoeba

AMENDMENTS
INIS: Mar 1992; ETDE: Dec 1979
RT laws
RT legal aspects
RT legislation
RT regulations

amenorrhea
Use menstruation disorders

american blacks
Use black americans

american hispanics
Use hispanic americans

AMERICAN INDIANS
INIS: Jun 1980; ETDE: Nov 1977
(From January 1979 to March 1997 INDIAN RESERVATIONS was a valid ETDE descriptor.)
UF *indians (american)*
SF *indian reservations*
*BT1 minority groups

american orientals
Use oriental americans

AMERICAN SAMOA
INIS: Oct 1993; ETDE: Sep 1979
BT1 islands
*BT1 usa
RT pacific ocean

AMERICIUM
*BT1 actinides
*BT1 transplutonium elements
RT sesame process

AMERICIUM 232
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 americium isotopes
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

AMERICIUM 233
INIS: Jan 2001; ETDE: Nov 1999
*BT1 actinide nuclei
*BT1 americium isotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

AMERICIUM 234
*BT1 actinide nuclei
*BT1 americium isotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

AMERICIUM 235
INIS: Jun 1997; ETDE: Feb 1997
*BT1 actinide nuclei
*BT1 americium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

AMERICIUM 236
INIS: Sep 1992; ETDE: Nov 1977
*BT1 actinide nuclei
*BT1 americium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

AMERICIUM 237
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 americium isotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-even nuclei
*BT1 spontaneous fission radioisotopes

AMERICIUM 238
*BT1 actinide nuclei

*BT1 alpha decay radioisotopes
*BT1 americium isotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei
*BT1 spontaneous fission radioisotopes

AMERICIUM 239
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 americium isotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-even nuclei
*BT1 spontaneous fission radioisotopes

AMERICIUM 240
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 americium isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
*BT1 spontaneous fission radioisotopes

AMERICIUM 241
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 americium isotopes
*BT1 odd-even nuclei
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

AMERICIUM 241 TARGET
BT1 targets

AMERICIUM 242
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 americium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

AMERICIUM 242 TARGET
BT1 targets

AMERICIUM 243
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 americium isotopes
*BT1 odd-even nuclei
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

AMERICIUM 243 TARGET
BT1 targets

AMERICIUM 244
*BT1 actinide nuclei
*BT1 americium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 spontaneous fission radioisotopes

AMERICIUM 245
*BT1 actinide nuclei
*BT1 americium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-even nuclei
*BT1 spontaneous fission radioisotopes

AMERICIUM 246
*BT1 actinide nuclei
*BT1 americium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 spontaneous fission radioisotopes

AMERICIUM 247
*BT1 actinide nuclei
*BT1 americium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

americium additions
See americium alloys
OR americium compounds

AMERICIUM ALLOYS
(Alloys containing more than 1% Am.)
UF *americium base alloys*
SF *americium additions*
*BT1 actinide alloys

americium arsenides
Use americium compounds
AND arsenides

americium base alloys
Use americium alloys

americium bromides
Use americium compounds
AND bromides

americium carbides
Use americium compounds
AND carbides

AMERICIUM CARBONATES
*BT1 americium compounds
*BT1 carbonates

AMERICIUM CHLORIDES
*BT1 americium compounds
*BT1 chlorides

AMERICIUM COMPLEXES
*BT1 actinide complexes
*BT1 transuranium complexes

AMERICIUM COMPOUNDS
(Prior to August 1996 AMERICIUM ADDITIONS was a valid ETDE descriptor.)
UF+ *americium arsenides*
UF+ *americium bromides*
UF+ *americium carbides*
UF+ *americium iodides*
UF+ *americium phosphides*
UF+ *americium selenides*
UF+ *americium silicates*
UF+ *americium silicides*
UF+ *americium sulfates*
UF+ *americium sulfides*
UF+ *americium tellurides*
SF *americium additions*
BT1 actinide compounds
*BT1 transplutonium compounds
NT1 americium carbonates
NT1 americium chlorides
NT1 americium fluorides
NT1 americium hydrides
NT1 americium hydroxides
NT1 americium nitrates
NT1 americium nitrides
NT1 americium oxides
NT1 americium perchlorates
NT1 americium phosphates

AMERICIUM FLUORIDES
*BT1 americium compounds
*BT1 fluorides

AMERICIUM HYDRIDES
INIS: Nov 1984; ETDE: Apr 1975
*BT1 americium compounds
*BT1 hydrides

AMERICIUM HYDROXIDES
*BT1 americium compounds
*BT1 hydroxides

americium iodides
Use americium compounds
AND iodides

AMERICIUM IONS
*BT1 ions

AMERICIUM ISOTOPES
BT1 isotopes
NT1 americium 232
NT1 americium 233
NT1 americium 234
NT1 americium 235
NT1 americium 236
NT1 americium 237
NT1 americium 238
NT1 americium 239
NT1 americium 240
NT1 americium 241
NT1 americium 242
NT1 americium 243
NT1 americium 244
NT1 americium 245
NT1 americium 246
NT1 americium 247

AMERICIUM NITRATES
*BT1 americium compounds
*BT1 nitrates

AMERICIUM NITRIDES
*BT1 americium compounds
*BT1 nitrides

AMERICIUM OXIDES
*BT1 americium compounds
*BT1 oxides

AMERICIUM PERCHLORATES
INIS: Sep 1978; ETDE: Oct 1978
*BT1 americium compounds
*BT1 perchlorates

AMERICIUM PHOSPHATES
INIS: Jul 1978; ETDE: Sep 1978
*BT1 americium compounds
*BT1 phosphates

americium phosphides
Use americium compounds
AND phosphides

americium selenides
Use americium compounds
AND selenides

americium silicates
Use americium compounds
AND silicates

americium silicides
Use americium compounds
AND silicides

americium sulfates
Use americium compounds
AND sulfates

americium sulfides
Use americium compounds
AND sulfides

americium tellurides
Use americium compounds
AND tellurides

AMES LABORATORY
*BT1 us aec
*BT1 us doe
*BT1 us erda
RT iowa

ames laboratory research reactor
Use alrr reactor

ames test
Use mutagen screening

ames wet oxidation process
Use desulfurization

ames, iowa state university utr-10 reactor
Use iowa utr-10 reactor

amethopterin
Use methotrexate

AMEX PROCESS
*BT1 reprocessing
RT amines
RT solvent extraction

AMIDASES
INIS: Dec 1986; ETDE: Jan 1981
(Code number 3.5.1.)
*BT1 non-peptide c-n hydrolases
NT1 arginase
NT1 urease

AMIDES
UF+ *hypaque*
UF+ *ioglycamic acid*
*BT1 organic nitrogen compounds
NT1 acetamide
NT1 acrylamide
NT1 asparagine
NT1 formamide
NT1 glutamine
NT1 hydroxyurea
NT1 lactams
NT2 pyrrolidones
NT3 pvp
NT1 metrizamide
NT1 nicotinamide
NT1 sulfenamides
NT1 sulfonamides
NT1 thionalide
NT1 urea
RT bph
RT cerebrosides
RT chloramines
RT diamex process
RT guanidines
RT polyamides
RT thioureas

AMIDINASES
INIS: Apr 2000; ETDE: Feb 1981
(Code number 3.5.3.)
*BT1 non-peptide c-n hydrolases

AMIDINES
(Prior to August 1996 STILBAMIDINE was a valid ETDE descriptor.)
UF *iminoamides*
UF *stilbamidine*
*BT1 organic nitrogen compounds

amidol
Use amines
AND developers
AND phenols

AMINATION
BT1 chemical reactions
RT deamination

AMINE OXIDASES
INIS: Dec 1986; ETDE: Jan 1981
(Code numbers 1.4 and 1.5)
UF *histaminase*
*BT1 oxidoreductases

AMINES
UF *butylamine*
UF *neocupferron*
UF+ *amidol*
UF+ *amino alcohols*
UF+ *amino sugars*
UF+ *aminoglycides*
UF+ *aminopropiophenone-para*
UF+ *arsanilic acid*
UF+ *bromamines*
UF+ *cephalins*
UF+ *congo red*
UF+ *cytriphos*
UF+ *ndpp*
UF+ *neutral red*
UF+ *papp*
UF+ *tna*
UF+ *toluylene red*
UF+ *trinonylamine*
BT1 organic compounds
NT1 acridine orange
NT1 adenines
NT2 kinetin
NT1 aet
NT1 aminopterin
NT1 amphetamines
NT2 benzedrine
NT1 aniline
NT1 benzidine
NT1 bph
NT1 cadaverine
NT1 catecholamines
NT1 chlorambucil
NT1 chloramines
NT1 chlorpromazine
NT1 cupferron
NT1 cystamine
NT1 cystaphos
NT1 cytosine
NT1 deferoxamine
NT1 dopamine
NT1 ephedrine
NT1 flavines
NT2 acriflavine
NT2 proflavine
NT1 gammaphos
NT1 guanine
NT1 hexosamines
NT2 glucosamine
NT1 histamine
NT1 hydroxamic acids
NT2 benzohydroxamic acid
NT1 hydroxylamine
NT1 imipramine
NT1 luminol
NT1 mea
NT1 melamine
NT1 methyl orange
NT1 methyl violet
NT1 methylamine
NT1 methylene blue
NT1 morpholines
NT1 mucopolysaccharides
NT2 chitin
NT2 chondroitin
NT2 heparin
NT2 hyaluronic acid
NT1 nitrogen mustard
NT1 nitrosamines
NT1 oximes
NT2 benzoinoxime
NT2 dimethylglyoxime
NT1 piperidines
NT2 dipyridamole
NT2 pethidine
NT2 triacetoneamine-n-oxyl
NT1 polycyclic aromatic amines
NT1 primene
NT1 putrescine
NT1 pyrrolidines
NT2 hydroxyproline
NT2 nicotine
NT2 proline
NT1 quaternary compounds
NT2 acetylcholine
NT2 betaine
NT2 choline
NT2 pyridinium compounds
NT1 rhodamines
NT1 spermidine
NT1 spermine
NT1 sulfanilic acid
NT1 taurine
NT1 tda
NT1 teta
NT1 tetryl
NT1 thiamine
NT1 thionine
NT1 toa
NT1 toluidines
NT1 tridodecylamine
NT1 trypan blue
NT1 tryptamines
NT2 melatonin
NT2 serotonin
NT3 bufotenine
NT1 tyramine
NT1 urotropin
RT amex process
RT eurex process
RT piperazines
RT sialic acid
RT tramex process

AMINO ACID SEQUENCE
INIS: Dec 1984; ETDE: Jan 1984
(Until August 1993, this concept was indexed by PROTEIN STRUCTURE.)
UF *protein sequencing*
BT1 molecular structure
RT protein engineering
RT protein structure
RT proteins
RT structural chemical analysis

AMINO ACIDS
(For carboxylic acids only.)
UF *aminoadipic acid*
UF *aminosalicylic acid-para*
UF *homocystine*
UF *pas*
UF+ *cpdta*
UF+ *cyclopentanediaminetetraacetic acid*
UF+ *hexamethylenediaminetetraacetic acid*
UF+ *hmdta*
*BT1 carboxylic acids
NT1 alanines
NT2 alanine-alpha
NT3 alanine-l
NT2 alanine-beta
NT1 aminobutyric acid
NT1 aminolevulinic acid

NT1 anthranilic acid
NT1 arginine
NT1 asparagine
NT1 aspartic acid
NT1 betaine
NT1 carnitine
NT1 cdta
NT1 citrulline
NT1 creatine
NT1 cysteine
NT1 cystine
NT1 dcta
NT1 diiodotyrosine
NT1 dopa
NT1 dtpa
NT1 eddha
NT1 edta
NT1 ethionine
NT1 folic acid
NT1 glutamic acid
NT2 pyridoxylideneglutamate
NT1 glutamine
NT1 glycine
NT1 glycylglycine
NT1 hedta
NT1 heida
NT1 hippuric acid
NT1 histidine
NT1 homocysteine
NT1 hydroxyproline
NT1 hydroxytryptophan
NT1 kynurenine
NT1 leucine
NT1 lysine
NT1 methionine
NT1 methyl red
NT1 methyl tyrosine
NT1 mimosine
NT1 mpg
NT1 nta
NT1 ornithine
NT1 paba
NT1 pantothenic acid
NT1 penicillamine
NT1 phenylalanine
NT1 phosphocreatine
NT1 proline
NT1 sarcosine
NT1 serine
NT1 tetaha
NT1 threonine
NT1 thyronine
NT1 thyroxine
NT1 tryptophan
NT1 tyrosine
NT1 valine
RT lactams
RT protein structure
RT proteins

amino alcohols
Use alcohols
AND amines

amino sugars
Use amines
AND saccharides

aminoacetic acid
Use glycine

aminoadipic acid
Use amino acids

aminobenzene
Use aniline

aminobenzenesulfonic acid-para
Use sulfanilic acid

aminobenzoic acid-ortho
Use anthranilic acid

aminobenzoic acid-para
Use paba

AMINOBUTYRIC ACID
*BT1 amino acids
*BT1 neuroregulators

aminoethanesulfonic acid
Use taurine

aminoethanethiol
Use mea

aminoethylisothiuronium bromide
Use aet

aminoethylthiopseudourea
Use aet

aminoglutaric acid-alpha
Use glutamic acid

aminoglycides
Use amines
AND saccharides

aminohypoxanthine
Use guanine

aminoisocaproic acid-alpha
Use leucine

aminoisovaleric acid-alpha
Use valine

AMINOLEVULINIC ACID
*BT1 amino acids

AMINOPEPTIDASES
INIS: Dec 1986; ETDE: Jan 1981
(Code numbers 3.4.11.)
*BT1 peptide hydrolases

aminophenylacetic acid-alpha
Use phenylalanine

aminopropionic acid-alpha
Use alanine-alpha

aminopropionic acid-beta
Use alanine-beta

aminopropiophenone-para
Use amines
AND ketones

AMINOPTERIN
*BT1 amines
*BT1 antimetabolites
*BT1 antineoplastic drugs
*BT1 pteridines
RT antimitotic drugs

aminopyrine
Use antipyretics
AND pyrazolines

aminosalicylic acid-para
Use amino acids

aminosuccinamic acid-alpha
Use asparagine

aminosuccinic acid
Use aspartic acid

aminotoluenes
Use toluidines

AMINOTRANSFERASES
(Code number 2.6.1.)
UF *transaminases*
*BT1 nitrogen transferases

amipaque
Use metrizamide

amisol process
Use desulfurization

AMMETERS
*BT1 electric measuring instruments

AMMINES
BT1 complexes
RT ammonia

AMMONIA
*BT1 nitrogen hydrides
RT ammines
RT ammonolysis
RT phosam process
RT quaternary compounds
RT refrigerants

AMMONIA-AMMONIUM BISULFATE PROCESS
INIS: Apr 2000; ETDE: Apr 1977
(Regenerable process to remove sulfur dioxide from flue gas by absorption in an aqueous ammonium sulfite and bisulfite solution.)
*BT1 desulfurization
RT waste processing

AMMONIA FUEL CELLS
INIS: May 1992; ETDE: Jan 1975
*BT1 fuel cells

AMMONIUM CARBONATES
INIS: Nov 1978; ETDE: Dec 1978
BT1 ammonium compounds
*BT1 carbonates
NT1 auc

AMMONIUM CHLORIDES
INIS: Apr 1978; ETDE: Dec 1975
*BT1 ammonium halides
*BT1 chlorides

AMMONIUM COMPLEXES
INIS: Dec 1981; ETDE: Feb 1982
BT1 complexes

AMMONIUM COMPOUNDS
NT1 ammonium carbonates
NT2 auc
NT1 ammonium halides
NT2 ammonium chlorides
NT2 ammonium fluorides
NT1 ammonium hydroxides
NT1 ammonium nitrates
NT1 ammonium perchlorates
NT1 ammonium phosphates
NT1 ammonium sulfates
NT1 ammonium thiocyanates
NT1 ammonium tungstates
NT1 ammonium uranates
NT2 adu
NT1 quaternary compounds
NT2 acetylcholine
NT2 betaine
NT2 choline
NT2 pyridinium compounds

ammonium diuranate
Use adu

AMMONIUM FLUORIDES
INIS: Sep 1979; ETDE: Oct 1979
*BT1 ammonium halides

*BT1 fluorides

AMMONIUM HALIDES
INIS: Jan 1984; ETDE: Mar 1977
BT1 ammonium compounds
*BT1 halides
NT1 ammonium chlorides
NT1 ammonium fluorides

AMMONIUM HYDROXIDES
BT1 ammonium compounds
*BT1 hydroxides

AMMONIUM NITRATES
INIS: Nov 1975; ETDE: Dec 1975
BT1 ammonium compounds
*BT1 nitrates

AMMONIUM PERCHLORATES
INIS: Apr 1989; ETDE: Aug 1976
BT1 ammonium compounds
*BT1 perchlorates

AMMONIUM PHOSPHATES
INIS: Feb 1981; ETDE: Apr 1978
BT1 ammonium compounds
*BT1 phosphates

AMMONIUM SULFATES
INIS: Mar 1977; ETDE: Apr 1976
BT1 ammonium compounds
*BT1 sulfates

AMMONIUM THIOCYANATES
INIS: Sep 1991; ETDE: Sep 1982
BT1 ammonium compounds
*BT1 thiocyanates

AMMONIUM TUNGSTATES
INIS: Jul 1978; ETDE: Jun 1977
BT1 ammonium compounds
*BT1 tungstates

AMMONIUM URANATES
BT1 ammonium compounds
*BT1 uranates
NT1 adu

ammonium uranyl carbonates
Use auc

AMMONOLYSIS
*BT1 solvolysis
RT ammonia

AMMUNITION
INIS: Jan 1976; ETDE: Apr 1976
RT explosives
RT guns
RT military equipment
RT missiles
RT rockets
RT weapons

amnion
Use fetal membranes

amnion cells
Use embryonic cells

AMNIOTIC FLUID
INIS: Oct 1975; ETDE: Dec 1975
*BT1 body fluids
RT embryos
RT fetuses

amobarbital
Use barbiturates

amoco cba process
Use desulfurization

amoco sulfur recovery process
Use desulfurization

AMOEBA
UF *ameba*
*BT1 sarcodina
RT phagocytosis

AMOEBA EFFECT
(Unidirectional migration and penetration of the fuel kernel through the particle coating, caused by thermal stresses occurring in the course of irradiation.)
UF *migration (kernel)*
RT coated fuel particles
RT failures
RT physical radiation effects
RT reliability

AMORPHOUS STATE
RT crystallization
RT metallic glasses

AMORTIZATION
INIS: Jul 1993; ETDE: May 1983
RT accounting
RT cancellation
RT financing

AMP
UF *adenosine monophosphate*
UF *camp*
UF *cyclic adenosine monophosphate*
*BT1 nucleotides
RT adenines

AMP BEAM CURRENTS
(From 1 to 1000 amp.)
*BT1 beam currents

AMPEROMETRY
*BT1 titration

AMPHETAMINES
INIS: Mar 1985; ETDE: Apr 1981
(Prior to April 1981, this concept in ETDE was indexed to BENZEDRINE.)
*BT1 amines
*BT1 analeptics
*BT1 sympathomimetics
NT1 benzedrine

AMPHIBIANS
UF+ *tadpoles*
BT1 aquatic organisms
*BT1 vertebrates
NT1 frogs
NT1 salamanders
NT2 triturus
NT1 toads
RT aquatic ecosystems
RT larvae

AMPHIBOLE
(A group of dark, rock-forming, ferromagnesian silicate minerals closely related in crystal form and composition.)
*BT1 silicate minerals
NT1 hornblende

AMPHIBOLITES
INIS: Apr 2000; ETDE: Aug 1980
*BT1 metamorphic rocks

AMPLIFICATION
INIS: Dec 1985; ETDE: Aug 1981
NT1 gain
RT amplifiers
RT amplitudes
RT fluidic devices

AMPLIFIERS
*BT1 electronic equipment
NT1 ac amplifiers
NT1 dc amplifiers
NT1 dielectric amplifiers
NT1 high frequency amplifiers
NT1 lock-in amplifiers
NT1 magnetic amplifiers
NT1 microwave amplifiers
NT2 masers
NT1 operational amplifiers
NT1 parametric amplifiers
NT1 power amplifiers
NT1 preamplifiers
NT1 pulse amplifiers
NT1 transistor amplifiers
RT amplification
RT electronic circuits
RT gain

AMPLITUDES
NT1 scattering amplitudes
NT1 transition amplitudes
NT2 decay amplitudes
RT amplification
RT dimensions
RT mechanical vibrations
RT oscillations
RT wave propagation

amsco
Use organic solvents

amygdalic acid
Use mandelic acid

amyl acetate
Use acetic acid esters

amyl alcohols
Use pentanols

amyl radicals
Use pentyl radicals

AMYLASE
(Code numbers 3.2.1.1, 3.2.1.2, and 3.2.1.3.)
UF+ *isoamylase*
*BT1 o-glycosyl hydrolases
RT digestion
RT pancreas
RT saliva

amylum
Use starch

amytal
Use barbiturates

ANABOLISM
BT1 metabolism
RT androgens
RT biosynthesis
RT sth

anaconda uranium mill
Use feed materials plants

ANADROMOUS FISHES
INIS: Aug 1991; ETDE: Mar 1983
(Fishes that ascend fresh-water streams from the sea to spawn.)
*BT1 fishes
NT1 salmon
NT1 striped bass
RT fish passage facilities
RT ichthyoplankton

ANAEROBIC CONDITIONS
INIS: Feb 1983; ETDE: Nov 1975
RT anaerobic digestion

RT biodegradation
RT decomposition
RT dissolved gases
RT oxygen enhancement ratio
RT zymomonas mobilis

ANAEROBIC DIGESTION
INIS: Sep 1979; ETDE: Jul 1975
(From October 1978 to February 1997 CELL RECYCLE was a valid ETDE descriptor.)
SF *cell recycle*
SF *microbial processes*
BT1 bioconversion
BT1 digestion
NT1 biogas process
RT anaerobic conditions
RT batch culture
RT continuous culture
RT fermentation
RT mesophilic conditions
RT microorganisms
RT semibatch culture
RT sewage sludge
RT synthetic fuels
RT thermophilic conditions
RT waste processing

analcime
Use zeolites

ANALEPTICS
INIS: May 1984; ETDE: Apr 1981
UF *central nervous system stimulants*
UF *cns stimulants*
UF *stimulants (central nervous system)*
*BT1 central nervous system agents
NT1 amphetamines
NT2 benzedrine
NT1 caffeine
RT psychotropic drugs

ANALGESICS
UF+ *acetophenetidin*
UF+ *phenacetin*
*BT1 central nervous system depressants
NT1 acetylsalicylic acid
NT1 antipyrine
NT1 codeine
NT1 opium
NT2 morphine
NT3 thebaine
NT1 pethidine
RT anesthetics
RT antipyretics
RT hypnotics and sedatives
RT narcotics
RT pain

ANALOG COMPUTERS
BT1 computers

analog resonances (isobaric)
Use isobaric analogs
AND resonance

analog resonances (strangeness)
Use strangeness analog resonances

analog states
Use isobaric analogs

ANALOG SYSTEMS
NT1 simulators
NT2 reactor simulators
NT2 solar simulators
RT analog-to-digital converters
RT biological models
RT computers
RT digital-to-analog converters
RT electronic circuits
RT electronic equipment
RT functional models
RT real time systems

ANALOG-TO-DIGITAL CONVERTERS
UF *converters (analog-digital)*
*BT1 electronic equipment
RT analog systems
RT digital systems
RT digitizers

analysis (activation)
Use activation analysis

analysis (charged-particle activation)
Use charged-particle activation analysis

analysis (fourier)
Use fourier analysis

analysis (gas)
Use gas analysis

analysis (load)
Use load analysis

analysis (neutron activation)
Use neutron activation analysis

analysis (normal-mode)
Use normal-mode analysis

analysis (nuclear reaction)
Use nuclear reaction analysis

analysis (photon activation)
Use photon activation analysis

analysis (qualitative chemical)
Use qualitative chemical analysis

analysis (quantitative chemical)
Use quantitative chemical analysis

analysis (structural chemical)
Use structural chemical analysis

analysis (thermal)
Use thermal analysis

ANALYTIC FUNCTIONS
BT1 functions
RT continued fractions
RT mathematical evolution
RT s matrix

ANALYTICAL SOLUTION
(For the procedure only.)
BT1 mathematical solutions
RT differential equations
RT galerkin-petrov method

analyzers (pulse)
Use pulse analyzers

analyzing power
Use polarization-asymmetry ratio

anaphase
Use mitosis

ANAPHYLAXIS
RT allergy
RT antigen-antibody reactions
RT biological shock
RT immunity

ANASTREPHA
INIS: Feb 1999; ETDE: Nov 1999
UF *south american fruit fly*
*BT1 fruit flies

ANATOMY
BT1 biology
RT body
RT physiology

anbn
Use 1-nitroso-2-naphthol

anchoring
Use fastening

ANCHORS
INIS: Apr 1984; ETDE: Sep 1975
(Until March 1999 this concept was indexed by FASTENERS.)
RT fasteners

andco-torrax slagging pyrolysis system
See slagging pyrolysis process

andersonite
Use carbonate minerals
AND uranium minerals

ANDES
UF *cordillera de los andes*
BT1 mountains
RT argentina
RT bolivia
RT chile
RT colombia
RT ecuador
RT peru
RT venezuela

ANDESITES
INIS: Apr 2000; ETDE: Oct 1975
(Volcanic rocks composed essentially of andesine and one or more mafic constituents.)
*BT1 volcanic rocks

andradite
Use garnets

androgen antagonists
Use antiandrogens

ANDROGENS
UF+ *dianabol*
*BT1 androstanes
*BT1 steroid hormones
NT1 androstenedione
NT1 androsterone
NT1 hydroxyandrostenone
NT1 testosterone
RT adrenal glands
RT adrenal hormones
RT anabolism
RT antiandrogens
RT castration
RT corticosteroids
RT lh
RT testes
RT urinary ketosteroids

ANDROSTANES
*BT1 steroids
NT1 androgens
NT2 androstenedione
NT2 androsterone
NT2 hydroxyandrostenone
NT2 testosterone

ANDROSTENEDIONE
*BT1 androgens
*BT1 ketones

ANDROSTERONE
*BT1 androgens
*BT1 hydroxy compounds

*BT1 ketones

ANEMIAS
UF *aplastic anemia*
UF *pernicious anemia*
*BT1 hemic diseases
BT1 symptoms
NT1 ischemia
NT1 megaloblastic anemia
NT1 sickle cell anemia
NT1 thalassemia
RT erythrocytes
RT folic acid
RT hemoglobin
RT hemolysis
RT hemorrhage
RT intrinsic factor
RT vitamin b-12

ANEMOMETERS
BT1 measuring instruments
NT1 hot wire anemometers
NT1 laser doppler anemometers
RT flowmeters

ANESTHESIA
RT anesthetics
RT central nervous system depressants
RT medicine
RT pain
RT surgery

ANESTHETICS
*BT1 central nervous system depressants
NT1 barbiturates
NT2 nembutal
NT2 phenobarbital
NT1 cocaine
NT1 procaine
RT analgesics
RT anesthesia
RT chloroform
RT ethyl ether
RT hypnotics and sedatives
RT narcotics
RT nitrous oxide

ANEUPLOIDY
BT1 ploidy
RT genome mutations
RT non-disjunction

ANEX REACTOR
UF *cfg reactor*
*BT1 enriched uranium reactors
*BT1 hydride moderated reactors
*BT1 solid homogeneous reactors
*BT1 thermal reactors
*BT1 zero power reactors

ANGARA-5 DEVICE
INIS: Aug 1984; ETDE: Jun 1989
*BT1 icf devices

angiography
Use biomedical radiography
AND blood vessels

ANGIOMAS
UF *hemangiomas*
*BT1 carcinomas
RT blood vessels
RT lymph vessels

angiosperms
Use magnoliophyta

ANGIOTENSIN
*BT1 globulins
*BT1 vasoconstrictors

angle (bond)
Use bond angle

angle (incidence)
Use incidence angle

angle of incidence
Use incidence angle

angle of inclination
Use inclination

ANGOLA
BT1 africa
BT1 developing countries

ANGRA-1 REACTOR
(Angra Dosreis, Rio de Janeiro, Brazil)
*BT1 pwr type reactors

ANGRA-2 REACTOR
INIS: Jun 1977; ETDE: Oct 1977
(Angra Dosreis, Rio de Janeiro, Brazil)
*BT1 pwr type reactors

ANGRA-3 REACTOR
INIS: Jun 1977; ETDE: Oct 1977
(Angra Dosreis, Rio de Janeiro, Brazil)
*BT1 pwr type reactors

ANGULAR CORRELATION
(Prior to August 1996 BIEDENHARN-ROSE THEORY was a valid ETDE descriptor.)
UF *directional correlation*
SF *biedenharn-rose theory*
BT1 correlations
NT1 perturbed angular correlation
NT2 differential pac
NT2 integral pac
RT abragam-pound theory
RT angular distribution
RT decay
RT particle kinematics

ANGULAR DISTRIBUTION
(Prior to August 1996 BIEDENHARN-ROSE THEORY and MINAMI AMBIGUITY were valid ETDE descriptors; prior to March 1997 HALPERN-STRUTINSKI THEORY was a valid ETDE descriptor.)
SF *biedenharn-rose theory*
SF *halpern-strutinski theory*
SF *minami ambiguity*
BT1 distribution
RT abragam-pound theory
RT alder-winter theory
RT angular correlation
RT backscattering
RT blatt-biedenharn formalism
RT castagnoli formula
RT differential cross sections
RT emission
RT incidence angle
RT lambert law
RT marshak boundary conditions
RT milne problem
RT small angle scattering
RT space dependence
RT spatial distribution
RT transverse energy
RT yang theorem

ANGULAR MOMENTUM
(Prior to March 1997 GYROELECTRIC RATIO was a valid ETDE descriptor.)
UF *momentum (angular)*
SF *gyroelectric ratio*
NT1 orbital angular momentum
NT1 spin
RT angular momentum operators
RT backbending
RT chirality
RT clebsch-gordan coefficients
RT d waves
RT f waves
RT gyromagnetic ratio
RT helicity
RT kinetic energy
RT linear momentum
RT motion
RT p waves
RT partial waves
RT quantum mechanics
RT racah coefficients
RT rotation
RT s waves
RT wigner coefficients
RT yrast states

ANGULAR MOMENTUM OPERATORS
*BT1 quantum operators
NT1 orbital momentum operators
NT1 pauli spin operators
RT angular momentum

ANGULAR MOMENTUM TRANSFER
INIS: Sep 1978; ETDE: Oct 1978
UF *transfer (angular momentum)*
BT1 momentum transfer
RT energy transfer

ANGULAR VELOCITY
BT1 velocity

ANHARMONIC CRYSTALS
BT1 crystals
RT coherent scattering
RT inelastic scattering
RT lattice vibrations

ANHARMONIC OSCILLATORS
INIS: Aug 1981; ETDE: Sep 1979
RT equations of motion
RT harmonic oscillators
RT mathematics
RT mechanics

ANHYDRIDES
RT bases
RT inorganic acids
RT organic acids
RT water

ANHYDRITE
INIS: Oct 1982; ETDE: Jan 1975
(Mineral consisting of an anhydrous calcium sulfate.)
*BT1 sulfate minerals
RT calcium sulfates
RT gypsum

ANILINE
UF *aminobenzene*
UF *phenylamine*
*BT1 amines
*BT1 aromatics
RT benzene
RT polycyclic aromatic amines

ANIMAL BREEDING
NT1 mass rearing
RT agriculture
RT domestic animals
RT genetics
RT nests
RT nutrition
RT progeny
RT radiation induced mutants
RT reproduction

ANIMAL CELLS

(Includes human cells)
UF *cells (animal)*
UF *human cells*
UF+ *cell growth (animal)*
UF+ *melanocytes*
UF+ *pigment cells*
NT1 embryonic cells
NT1 hair follicles
NT1 hybridomas
NT1 somatic cells
NT2 cho cells
NT2 connective tissue cells
NT3 bone cells
NT3 bone marrow cells
NT3 fat cells
NT3 fibroblasts
NT3 lymphocytes
NT3 macrophages
NT3 mast cells
NT3 plasma cells
NT2 crypt cells
NT2 liver cells
NT2 nerve cells
NT2 phagocytes
NT3 macrophages
NT2 respiratory tract cells
NT2 spleen cells
NT2 stem cells
NT2 thymocytes
NT2 thymus cells
NT2 thyroid cells
NT1 tumor cells
NT2 ascites tumor cells
NT2 hela cells
NT1 xp cells
RT cell constituents
RT cell cultures
RT cell flow systems
RT clone cells
RT colony formation
RT cytology
RT homogenates
RT intracellular digestion

ANIMAL FEEDS

UF *fodder*
BT1 food
NT1 forage
RT diet
RT distillers dried grains
RT food additives
RT molasses
RT nutrition

ANIMAL GROWTH

BT1 growth
RT animals
RT metamorphosis
RT molting
RT ontogenesis
RT rearing

ANIMAL SHELTERS

INIS: Aug 1992; ETDE: Jun 1977
BT1 buildings
BT1 shelters

ANIMAL TISSUES

(Until March 1996 this concept was indexed to TISSUES.)
UF *human tissues*
UF+ *muscular tissue*
SF *tissues*
BT1 body
NT1 bone marrow
NT1 connective tissue
NT2 adipose tissue
NT2 bone tissues
NT3 antlers
NT3 trabecular bone
NT2 cartilage
NT2 fascia
NT2 ligaments
NT2 tendons
NT1 endothelium
NT1 epithelium
NT2 epidermis
NT1 nerve tissue
NT1 perfused tissues
NT1 reticuloendothelial system
RT biological materials
RT biological regeneration
RT biology
RT biopsy
RT capillaries
RT histological techniques
RT histology
RT homogenates
RT in vivo
RT morphological changes
RT organs
RT plant tissues
RT retention
RT skin
RT tissue cultures
RT tissue distribution
RT tissue extracts
RT tissue-equivalent materials

ANIMALS

NT1 domestic animals
NT2 cattle
NT3 calves
NT3 cows
NT2 goats
NT2 sheep
NT2 swine
NT3 miniature swine
NT1 germ-free animals
NT1 invertebrates
NT2 annelids
NT2 arthropods
NT3 arachnids
NT4 mites
NT4 scorpions
NT4 spiders
NT4 ticks
NT3 crustaceans
NT4 branchiopods
NT5 artemia
NT5 daphnia
NT4 copepods
NT4 decapods
NT5 crabs
NT5 lobsters
NT5 prawns
NT5 shrimp
NT3 insects
NT4 coleoptera
NT5 beetles
NT6 boll weevil
NT6 tribolium
NT4 dictyoptera
NT5 cockroaches
NT4 diptera
NT5 flies
NT6 fruit flies
NT7 anastrepha
NT7 ceratitis capitata
NT7 dacus
NT8 dacus oleae
NT7 drosophila
NT6 glossina
NT6 hylemya antiqua
NT6 screwworm fly
NT5 mosquitoes
NT4 ephemeroptera
NT4 hemiptera
NT5 aphids
NT4 hymenoptera
NT5 ants
NT5 bees
NT5 wasps
NT4 lepidoptera
NT5 moths
NT6 bollworm
NT6 codling moth
NT6 lymantria dispar
NT6 rice stem borers
NT6 silkworm
NT4 orthoptera
NT5 grasshoppers
NT6 locusts
NT2 aschelminthes
NT3 nematodes
NT4 ascaridae
NT5 ascaris
NT4 dictyocaulus
NT4 hookworm
NT4 trichinella
NT2 bryozoa
NT2 coelenterata
NT3 cnidaria
NT4 corals
NT4 hydra
NT2 echinoderms
NT3 sea urchins
NT2 molluscs
NT3 clams
NT3 mussels
NT3 oysters
NT3 snails
NT2 platyhelminths
NT3 cestodes
NT3 trematodes
NT4 fasciola
NT4 schistosoma
NT3 turbellaria
NT4 planaria
NT2 protozoa
NT3 ciliata
NT4 paramecium
NT4 tetrahymena
NT3 mastigophora
NT4 dinoflagellate
NT4 euglena
NT4 trypanosoma
NT3 sarcodina
NT4 amoeba
NT4 foraminifera
NT3 sporozoa
NT4 babesidae
NT4 plasmodium
NT2 rotifera
NT1 laboratory animals
NT1 neonates
NT1 transgenic animals
NT2 transgenic mice
NT1 vertebrates
NT2 amphibians
NT3 frogs
NT3 salamanders
NT4 triturus
NT3 toads
NT2 birds
NT3 fowl
NT4 chickens
NT4 ducks
NT4 geese
NT3 pigeons
NT2 fishes
NT3 anadromous fishes
NT4 salmon
NT4 striped bass
NT3 codfish
NT3 eel

NT3 fathead minnow
NT3 goldfish
NT3 plaice
NT3 trout
NT3 tuna
NT2 mammals
NT3 bats
NT3 bears
NT3 burros
NT3 cats
NT3 cetaceans
NT3 coyotes
NT3 dogs
NT4 beagles
NT3 foxes
NT3 horses
NT3 marsupials
NT3 otters
NT3 pinnipeds
NT3 primates
NT4 apes
NT4 man
NT5 children
NT6 infants
NT5 elderly people
NT5 men
NT5 women
NT4 monkeys
NT5 baboons
NT5 macacus
NT3 rabbits
NT3 rodents
NT4 gerbils
NT4 guinea pigs
NT4 hamsters
NT4 mice
NT5 transgenic mice
NT4 prairie dogs
NT4 rats
NT4 squirrels
NT4 voles
NT3 ruminants
NT4 buffalo
NT4 camels
NT4 cattle
NT5 calves
NT5 cows
NT4 deer
NT4 goats
NT4 llamas
NT4 sheep
NT3 shrews
NT3 swine
NT4 miniature swine
NT3 wolves
NT2 reptiles
NT3 alligators
NT3 lizards
NT3 snakes
NT3 turtles
NT1 wild animals
RT animal growth
RT aquatic organisms
RT biological extinction
RT biological materials
RT biology
RT ecology
RT endangered species
RT females
RT fossils
RT males
RT species diversity
RT symbiosis
RT veterinary medicine

ANIONS

(From May 1981 to February 1997 CARBANIONS was a valid ETDE descriptor.)
UF *carbanions*
UF *negative ions*
UF+ *hydroxyl ions*
*BT1 ions
NT1 heteropolyanions
NT1 hydrogen ions 1 minus
RT chemical state
RT electrolysis
RT ion beams
RT ion exchange materials

ANISOLE

UF *methoxybenzene*
UF *methyl phenyl ether*
UF *phenyl methyl ether*
*BT1 ethers

ANISOTROPY

RT asymmetry
RT configuration
RT distribution
RT isotropy
RT mass distribution
RT orientation
RT sherman tables
RT transverse energy

anisyl radicals

Use aryl radicals

ANKERITE

INIS: Apr 2000; ETDE: Nov 1975
(A dolomitic iron-containing mineral.)
SF *pearl spar*
*BT1 carbonate minerals
RT calcium carbonates
RT iron carbonates
RT magnesium carbonates
RT manganese carbonates

ankylosing spondylitis

Use spondylitis

ANL

UF *argonne national laboratory*
*BT1 us aec
*BT1 us doe
*BT1 us erda
RT illinois

anl zero power research reactor-3

Use zpr-3 reactor

anl zero power research reactor-6

Use zpr-6 reactor

anl zero power research reactor-9

Use zpr-9 reactor

anmr

Use acoustic nmr

ANNA REACTOR

(Institute of Nuclear Research, Swierk, Poland)
UF *swierk anna reactor*
*BT1 enriched uranium reactors
*BT1 graphite moderated reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors
*BT1 zero power reactors

ANNEALING

BT1 heat treatments
RT recrystallization
RT stress relaxation

ANNELIDS

UF *earthworms*
UF *worms (segmented)*
*BT1 invertebrates

annie event

Use atmospheric explosions
AND nuclear explosions

ANNIHILATION

SF *disintegration (nuclear particles)*
*BT1 particle interactions
RT electromagnetic interactions
RT gribov-lipatov relation
RT strong interactions

ANNIHILATION OPERATORS

UF+ *coherent states*
*BT1 quantum operators
RT second quantization
RT vacuum states

ANNUAL CYCLE ENERGY SYSTEM

INIS: Apr 2000; ETDE: Nov 1975
UF+ *annual energy storage*
RT air conditioning
RT heating
RT space heating
RT water heaters

annual energy storage

Use annual cycle energy system
AND energy storage

ANNUAL LIMIT OF INTAKE

INIS: Apr 1985; ETDE: Sep 1984
(The greatest value of the annual intake of a given radionuclide which corresponds to a whole-body dose commitment of less than or equal to 5 rem and tissue dose commitment of less than or equal to 50 rem.)
UF *ali*
*BT1 safety standards
RT critical organs
RT intake
RT radiation protection
RT radioactivity

ANNUAL VARIATIONS

BT1 variations

annular core pulse reactor

Use acpr reactor

annular core research reactor

Use acpr reactor

ANNULAR FUEL ELEMENTS

*BT1 fuel elements
RT fuel washers

ANNULAR SPACE

BT1 configuration
BT1 space
NT1 toroidal configuration
RT tori

ANODES

BT1 electrodes
NT1 photoanodes
RT thermionic collectors

ANODIZATION

BT1 corrosion protection
*BT1 electrochemical coating
*BT1 electrolysis

ANOMALONS
INIS: Oct 1984; ETDE: May 1984
(Projectile fragments from relativistic heavy ion reactions with anomalously short mean free paths.)
BT1 nuclear fragments
RT heavy ion reactions
RT mean free path

ANOMALOUS DIMENSION
UF *non-canonical dimension*
UF *noncanonical dimension*
BT1 scale dimension

anopheles
Use mosquitoes

ANOREXIA
RT digestive system
RT digestive system diseases

ANORTHITE
INIS: Apr 2000; ETDE: Apr 1981
(A plagioclase feldspar.)
*BT1 feldspars

ANORTHOSITES
(A group of essentially monomineralic plutonic igneous rocks composed almost entirely of plagioclase feldspar.)
UF *plagioclase*
UF *plagioclasite*
*BT1 gabbros
RT feldspars
RT lunar materials
RT olivine

ANOXIA
UF *hypoxia*
RT biological stress
RT ischemia
RT oxidation
RT oxygen
RT respiration

ANSTO
INIS: Oct 1988; ETDE: Nov 1988
(Australian Nuclear Science and Technology Organization, created on 27 April 1987 and replacing the AAEC.)
UF *aaec*
UF *australian atomic energy commission*
*BT1 australian organizations

ANTARCTIC OCEAN
INIS: Jul 1992; ETDE: Jun 1992
(The southern waters of the Atlantic, Pacific and Indian oceans. Prior to June 1992 SEAS was used for this concept in ETDE.)
*BT1 seas
NT1 weddell sea
RT antarctic regions
RT antarctica

ANTARCTIC REGIONS
*BT1 polar regions
NT1 antarctica
RT antarctic ocean
RT arctic regions
RT auroral zones
RT climates
RT glaciers
RT ice
RT ice caps
RT polar-cap aurorae
RT snow

ANTARCTICA
*BT1 antarctic regions
RT antarctic ocean

ANTARES FACILITY
INIS: Sep 1979; ETDE: Sep 1978
(Large CO2 laser facility to be used at Los Alamos for laser fusion.)
RT aurora facility
RT carbon dioxide lasers
RT helios facility
RT lanl
RT laser fusion reactors

ANTARES TANDEM ACCELERATOR
INIS: Mar 1995; ETDE: Jul 1998
(Lucas Heights Research Laboratory, Australia)
*BT1 tandem electrostatic accelerators

antelopes
Use ruminants

ANTENNAS
*BT1 electrical equipment
NT1 radio telescopes
NT1 rectennas
RT radio equipment

anthers
Use stamen

anthonomus grandis
Use boll weevil

ANTHRACENE
*BT1 condensed aromatics
*BT1 hydrocarbons
RT anthraquinones
RT organic crystal phosphors
RT plastic scintillators

ANTHRACITE
UF *hard coal*
*BT1 black coal
RT culm

ANTHRANILIC ACID
UF *aminobenzoic acid-ortho*
*BT1 amino acids

ANTHRAQUINONES
*BT1 quinones
NT1 alizarin
NT1 carminic acid
NT1 quinizarin
RT anthracene
RT dyes

anthraquinonic acid
Use alizarin

ANTHROPOLOGY
INIS: Jun 1993; ETDE: May 1976
(The study of the interrelations of biological, cultural, geographical, and historical aspects of man.)
RT human populations
RT man
RT sociology

ANTI-B NEUTRAL MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 b neutral mesons
*BT1 pseudoscalar antimesons

ANTI-D NEUTRAL MESONS
INIS: Dec 1987; ETDE: Feb 1989
*BT1 d neutral mesons
*BT1 pseudoscalar antimesons

ANTI-INFECTIVE AGENTS
INIS: Feb 1992; ETDE: Apr 1981
BT1 drugs
NT1 antibiotics
NT2 actinomycin
NT2 bleomycin
NT2 chloramphenicol
NT2 cycloheximide
NT2 doxorubicin
NT2 erythromycin
NT2 mitomycin
NT2 neocarcinostatin
NT2 neomycin
NT2 penicillin
NT2 puromycin
NT2 streptomycin
NT2 streptozocin
NT2 tetracyclines
NT3 oxytetracycline
NT2 valinomycin
NT1 antimicrobial agents
NT2 fudr
NT2 isoniazid
NT2 methylene blue
NT2 quinine
NT2 sulfonamides
RT antimitotic drugs
RT infectious diseases
RT microorganisms
RT pathogens

anti-inflammatory agents
Use antipyretics

anti-missile systems
Use space weapons

anti-satellite systems
Use space weapons

ANTIANDROGENS
INIS: Sep 1979; ETDE: Oct 1979
UF *androgen antagonists*
BT1 drugs
RT androgens
RT biochemistry
RT chemotherapy
RT pharmacology
RT physiology

ANTIBARYONS
*BT1 antiparticles
*BT1 baryons
NT1 antihyperons
NT2 antilambda particles
NT2 antiomega particles
NT2 antisigma particles
NT2 antixi particles
NT1 antinucleons
NT2 antineutrons
NT2 antiprotons

ANTIBIOTICS
(From June 1981 till March 1997 ANTIMYCIN was a valid ETDE descriptor.)
UF *antimycin*
*BT1 anti-infective agents
BT1 organic compounds
NT1 actinomycin
NT1 bleomycin
NT1 chloramphenicol
NT1 cycloheximide
NT1 doxorubicin
NT1 erythromycin
NT1 mitomycin
NT1 neocarcinostatin
NT1 neomycin
NT1 penicillin
NT1 puromycin
NT1 streptomycin
NT1 streptozocin
NT1 tetracyclines
NT2 oxytetracycline

NT1 valinomycin
RT antimitotic drugs
RT antineoplastic drugs
RT bacterial diseases
RT germicides
RT infectious diseases
RT microorganisms
RT mutagens

ANTIBODIES
NT1 agglutinins
NT2 hemagglutinins
NT3 concanavalin a
NT3 phytohemagglutinin
NT1 antitoxins
NT1 hemolysins
NT1 monoclonal antibodies
NT1 precipitins
RT antigen-antibody reactions
RT antigens
RT complement
RT enzyme immunoassay
RT immune serums
RT immunity
RT lectins
RT radioimmunoassay
RT radioimmunodetection
RT radioimmunotherapy
RT toxoids

ANTIBODY FORMATION
RT antigen-antibody reactions
RT germ-free animals
RT immunity

ANTICLINES
INIS: Jan 2000; ETDE: Sep 1977
(Folds, the cores of which contain the stratigraphically older rocks; they are convex upward.)
BT1 geologic structures
RT petroleum deposits
RT salt deposits

ANTICOAGULANTS
(COUMARINS and DICUMAROL have been valid ETDE descriptors.)
UF *dicumarol*
SF *coumarins*
*BT1 hematologic agents
NT1 coumarin
NT1 heparin
NT1 psoralen
RT blood coagulation
RT coagulants
RT fibrinolysin
RT fibrinolytic agents
RT hematinics
RT vitamin k

ANTICOINCIDENCE
(Detector arrangement.)
RT coincidence circuits
RT counting techniques

ANTICONVULSANTS
INIS: May 1984; ETDE: Nov 1979
(Used extensively in suppressing the side effects of radiotherapy involving portions of the central nervous system.)
*BT1 central nervous system depressants
NT1 phenobarbital
RT radiotherapy

anticorrosion
Use corrosion protection

ANTIDEPRESSANTS
INIS: May 1984; ETDE: Apr 1981
(Prior to April 1981 this concept in ETDE was indexed to PSYCHOTROPIC DRUGS.)
UF+ *iproniazid*
*BT1 psychotropic drugs
NT1 cocaine
NT1 imipramine

ANTIDEUTERON REACTIONS
INIS: Nov 1988; ETDE: Dec 1988
*BT1 deuteron reactions
RT antideuterons

ANTIDEUTERONS
*BT1 antinuclei
*BT1 deuterons
RT antideuteron reactions

antidiuretic hormone
Use vasopressin

ANTIFERROELECTRIC MATERIALS
UF *materials (antiferroelectric)*
*BT1 dielectric materials
RT ferroelectric materials

ANTIFERROMAGNETIC MATERIALS
UF *materials (antiferromagnetic)*
*BT1 magnetic materials
RT ferromagnetic materials
RT kondo effect

ANTIFERROMAGNETISM
BT1 magnetism
NT1 mictomagnetism
RT ferrimagnetism
RT ferromagnetism
RT hubbard model
RT neel temperature

ANTIFOULANTS
INIS: Dec 1985; ETDE: Dec 1978
(Materials which prevent formation and/or deposition of foulants, e.g., on heat transfer surfaces or equipment.)
RT biological fouling
RT corrosion
RT deposits
RT fouling

ANTIFREEZE
INIS: Apr 2000; ETDE: Mar 1978
RT freeze protection
RT freezing
RT working fluids

ANTIGEN-ANTIBODY REACTIONS
UF *agglutination*
RT anaphylaxis
RT antibodies
RT antibody formation
RT antigens
RT complement
RT cpb
RT enzyme immunoassay
RT graft-host reaction
RT immune reactions
RT immunity
RT lectins
RT radioimmunoassay

ANTIGENS
NT1 carcinoembryonic antigen
NT1 histocompatibility complex
NT1 toxins
NT2 endotoxins
NT2 mycotoxins
NT3 aflatoxins
NT1 tuberculin
RT antibodies
RT antigen-antibody reactions
RT enzyme immunoassay
RT freunds adjuvant
RT immunity
RT lectins
RT membrane proteins
RT radioimmunoassay
RT vaccines

ANTIGUA AND BARBUDA
INIS: Mar 1997; ETDE: Mar 1997
*BT1 lesser antilles

antihistamines
Use antihistaminics

ANTIHISTAMINICS
UF *antihistamines*
UF *promethazine*
BT1 drugs
RT allergy
RT histamine

ANTIHYPERONS
*BT1 antibaryons
*BT1 hyperons
NT1 antilambda particles
NT1 antiomega particles
NT1 antisigma particles
NT1 antixi particles

ANTIHYPERTENSIVE AGENTS
INIS: May 1984; ETDE: Apr 1981
*BT1 cardiovascular agents
NT1 reserpine
RT blood pressure
RT diuretics
RT hypertension

ANTIKAONS
*BT1 antiparticles
*BT1 kaons
NT1 antikaons neutral

ANTIKAONS NEUTRAL
*BT1 antikaons
*BT1 kaons neutral

ANTIKNOCK RATINGS
INIS: Apr 2000; ETDE: Aug 1993
(Prior to December 1991 this was a valid ETDE descriptor. From December 1991 to August 1993 KNOCK CONTROL was used for this concept.)
UF *cetane number*
UF *cetene number*
UF *octane number*
RT ignition quality
RT knock control

ANTILAMBDA PARTICLES
*BT1 antihyperons
*BT1 lambda particles

ANTILEPTON-NEUTRON INTERACTIONS
INIS: Jan 1977; ETDE: Apr 1977
*BT1 lepton-neutron interactions
NT1 antineutrino-neutron interactions

ANTILEPTON-PROTON INTERACTIONS
*BT1 lepton-proton interactions
NT1 antineutrino-proton interactions

ANTILEPTONS
*BT1 antiparticles

*BT1 leptons
NT1 antineutrinos
NT2 electron antineutrinos
NT2 muon antineutrinos
NT1 muons plus
NT1 positrons
NT2 cosmic positrons

ANTIMATTER

BT1 matter
NT1 antinuclei
NT2 antideuterons
NT2 antiprotons
NT2 antitritons
NT1 antiparticles
NT2 antibaryons
NT3 antihyperons
NT4 antilambda particles
NT4 antiomega particles
NT4 antisigma particles
NT4 antixi particles
NT3 antinucleons
NT4 antineutrons
NT4 antiprotons
NT2 antikaons
NT3 antikaons neutral
NT2 antileptons
NT3 antineutrinos
NT4 electron antineutrinos
NT4 muon antineutrinos
NT3 muons plus
NT3 positrons
NT4 cosmic positrons
NT2 antimesons
NT3 pseudoscalar antimesons
NT4 anti-b neutral mesons
NT4 anti-d neutral mesons
RT ambiplasma

ANTIMESONS

(Use more specific meson type as appropriate.)
*BT1 antiparticles
*BT1 mesons
NT1 pseudoscalar antimesons
NT2 anti-b neutral mesons
NT2 anti-d neutral mesons

ANTIMETABOLITES

UF *azaguanine*
BT1 drugs
NT1 adenines
NT2 kinetin
NT1 aminopterin
NT1 bromouracils
NT2 budr
NT1 deoxyuridine
NT1 ethionine
NT1 fluorodeoxyglucose
NT1 fluorouracils
NT2 fudr
NT1 iodouracils
NT2 iododeoxyuridine
NT1 mercaptopurine
NT1 methotrexate
NT1 thiouracil
RT alkylating agents
RT antimitotic drugs
RT chemosterilants
RT metabolites
RT synchronization
RT synchronous cultures

ANTIMICROBIAL AGENTS

INIS: Feb 1992; ETDE: Apr 1981
(Prior to February 1992, this concept was indexed to ANTIBIOTICS.)
UF *methenamine*
*BT1 anti-infective agents
NT1 fudr
NT1 isoniazid
NT1 methylene blue
NT1 quinine
NT1 sulfonamides

ANTIMITOTIC DRUGS

UF *cytostatics*
UF *cytotoxins*
BT1 drugs
NT1 actinomycin
NT1 bleomycin
NT1 colchicine
NT1 mitomycin
NT1 nem
NT1 oncovin
NT1 vinblastine
RT alkylating agents
RT aminopterin
RT anti-infective agents
RT antibiotics
RT antimetabolites
RT antineoplastic drugs
RT chemotherapy
RT immunosuppression
RT mitosis
RT mutagens
RT neocarcinostatin
RT neoplasms
RT radiomimetic drugs
RT radiosensitizers

ANTIMONATES

INIS: Sep 1979; ETDE: Oct 1979
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 antimony compounds
BT1 oxygen compounds
RT antimony oxides

ANTIMONIDES

INIS: Aug 1978; ETDE: Sep 1988
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 antimony compounds
BT1 pnictides
NT1 gallium antimonides
NT1 indium antimonides
RT antimony additions
RT antimony alloys
RT intermetallic compounds

ANTIMONY

*BT1 metals

ANTIMONY 104

INIS: Jun 1996; ETDE: May 1996
*BT1 antimony isotopes
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

ANTIMONY 105

INIS: Sep 1987; ETDE: May 1996
*BT1 antimony isotopes
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

ANTIMONY 106

INIS: Jul 1981; ETDE: Oct 1980
*BT1 antimony isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ANTIMONY 108

INIS: Jun 1977; ETDE: Oct 1977
*BT1 antimony isotopes
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ANTIMONY 109

*BT1 antimony isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

ANTIMONY 110

*BT1 antimony isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ANTIMONY 111

*BT1 antimony isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

ANTIMONY 112

*BT1 antimony isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ANTIMONY 113

*BT1 antimony isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 nanoseconds living radioisotopes
*BT1 odd-even nuclei

ANTIMONY 114

*BT1 antimony isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

ANTIMONY 115

*BT1 antimony isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

ANTIMONY 116

*BT1 antimony isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

ANTIMONY 117

*BT1 antimony isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei

*BT1 isomeric transition isotopes
*BT1 nanoseconds living radioisotopes
*BT1 odd-even nuclei

ANTIMONY 118
*BT1 antimony isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

ANTIMONY 118 TARGET
INIS: Sep 1992; ETDE: Mar 1982
BT1 targets

ANTIMONY 119
*BT1 antimony isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 odd-even nuclei

ANTIMONY 120
*BT1 antimony isotopes
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

ANTIMONY 120 TARGET
BT1 targets

ANTIMONY 121
*BT1 antimony isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes

ANTIMONY 121 TARGET
BT1 targets

ANTIMONY 122
*BT1 antimony isotopes
*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

ANTIMONY 123
*BT1 antimony isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes

ANTIMONY 123 TARGET
BT1 targets

ANTIMONY 124
*BT1 antimony isotopes
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

ANTIMONY 125
*BT1 antimony isotopes
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 years living radioisotopes

ANTIMONY 126
*BT1 antimony isotopes
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ANTIMONY 127
*BT1 antimony isotopes
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

ANTIMONY 127 TARGET
INIS: Jan 1979; ETDE: Oct 1978
BT1 targets

ANTIMONY 128
*BT1 antimony isotopes
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

ANTIMONY 129
*BT1 antimony isotopes
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

ANTIMONY 130
*BT1 antimony isotopes
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

ANTIMONY 131
*BT1 antimony isotopes
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

ANTIMONY 132
*BT1 antimony isotopes
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

ANTIMONY 133
*BT1 antimony isotopes
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

ANTIMONY 134
*BT1 antimony isotopes
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ANTIMONY 135
*BT1 antimony isotopes
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

ANTIMONY 136
INIS: Jul 1976; ETDE: Oct 1975
*BT1 antimony isotopes
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

ANTIMONY ADDITIONS
(Alloys containing not more than 1% Sb are listed here.)
*BT1 antimony alloys
RT antimonides

ANTIMONY ALLOYS
(Alloys containing more than 1% Sb.)
BT1 alloys
NT1 antimony additions
NT1 antimony base alloys
NT1 terne-metal
RT antimonides

ANTIMONY BASE ALLOYS
*BT1 antimony alloys

ANTIMONY BROMIDES
BT1 antimony compounds
*BT1 bromides

ANTIMONY CHLORIDES
BT1 antimony compounds
*BT1 chlorides

ANTIMONY COMPLEXES
BT1 complexes

ANTIMONY COMPOUNDS
NT1 antimonates
NT1 antimonides
NT2 gallium antimonides
NT2 indium antimonides
NT1 antimony bromides
NT1 antimony chlorides
NT1 antimony fluorides
NT1 antimony hydrides
NT1 antimony hydroxides
NT1 antimony iodides
NT1 antimony oxides
NT1 antimony selenides
NT1 antimony sulfates
NT1 antimony sulfides
NT1 antimony tellurides

ANTIMONY FLUORIDES
BT1 antimony compounds
*BT1 fluorides

ANTIMONY HYDRIDES
BT1 antimony compounds
*BT1 hydrides

ANTIMONY HYDROXIDES
BT1 antimony compounds
*BT1 hydroxides

ANTIMONY IODIDES
BT1 antimony compounds
*BT1 iodides

ANTIMONY IONS
*BT1 ions

ANTIMONY ISOTOPES
BT1 isotopes
NT1 antimony 104
NT1 antimony 105
NT1 antimony 106
NT1 antimony 108

NT1 antimony 109
NT1 antimony 110
NT1 antimony 111
NT1 antimony 112
NT1 antimony 113
NT1 antimony 114
NT1 antimony 115
NT1 antimony 116
NT1 antimony 117
NT1 antimony 118
NT1 antimony 119
NT1 antimony 120
NT1 antimony 121
NT1 antimony 122
NT1 antimony 123
NT1 antimony 124
NT1 antimony 125
NT1 antimony 126
NT1 antimony 127
NT1 antimony 128
NT1 antimony 129
NT1 antimony 130
NT1 antimony 131
NT1 antimony 132
NT1 antimony 133
NT1 antimony 134
NT1 antimony 135
NT1 antimony 136

ANTIMONY OXIDES
BT1 antimony compounds
*BT1 oxides
RT antimonates

ANTIMONY SELENIDES
INIS: Nov 1979; ETDE: Jan 1976
BT1 antimony compounds
*BT1 selenides

ANTIMONY SULFATES
INIS: Apr 2000; ETDE: Feb 1975
BT1 antimony compounds
*BT1 sulfates

ANTIMONY SULFIDES
BT1 antimony compounds
*BT1 sulfides

ANTIMONY TELLURIDES
INIS: Feb 1979; ETDE: Jan 1975
BT1 antimony compounds
*BT1 tellurides

antimuons
Use muons plus

antimycin
Use antibiotics

ANTINEOPLASTIC DRUGS
BT1 drugs
NT1 actinomycin
NT1 aminopterin
NT1 bleomycin
NT1 chlorambucil
NT1 doxorubicin
NT1 metronidazole
NT1 misonidazole
NT1 mitomycin
NT1 neocarcinostatin
NT1 puromycin
NT1 streptozocin
RT alkylating agents
RT antibiotics
RT antimitotic drugs
RT chemotherapy
RT combined therapy
RT neoplasms

ANTINEUTRINO BEAMS
*BT1 antiparticle beams
*BT1 neutrino beams
RT antineutrinos

ANTINEUTRINO-ELECTRON INTERACTIONS
*BT1 neutrino-electron interactions

ANTINEUTRINO-NEUTRON INTERACTIONS
INIS: Jan 1977; ETDE: Apr 1977
*BT1 antilepton-neutron interactions
*BT1 antineutrino-nucleon interactions
*BT1 neutrino-neutron interactions

ANTINEUTRINO-NUCLEON INTERACTIONS
*BT1 neutrino-nucleon interactions
NT1 antineutrino-neutron interactions
NT1 antineutrino-proton interactions

ANTINEUTRINO-PROTON INTERACTIONS
INIS: Dec 1975; ETDE: Jan 1976
*BT1 antilepton-proton interactions
*BT1 antineutrino-nucleon interactions
*BT1 neutrino-proton interactions

ANTINEUTRINO REACTIONS
INIS: Nov 1989; ETDE: Dec 1989
BT1 nuclear reactions

ANTINEUTRINOS
*BT1 antileptons
*BT1 neutrinos
NT1 electron antineutrinos
NT1 muon antineutrinos
RT antineutrino beams

antineutron-deuteron interactions
Use neutron-antineutron interactions
AND proton-antineutron interactions

ANTINEUTRON REACTIONS
*BT1 antinucleon reactions

ANTINEUTRONS
*BT1 antinucleons
*BT1 neutrons
RT neutron oscillation

antinuclear groups
Use interest groups

ANTINUCLEI
*BT1 antimatter
BT1 nuclei
NT1 antideuterons
NT1 antiprotons
NT1 antitritons

ANTINUCLEON BEAMS
*BT1 antiparticle beams
NT1 antiproton beams
RT antinucleons

ANTINUCLEON REACTIONS
*BT1 nucleon reactions
NT1 antineutron reactions
NT1 antiproton reactions

ANTINUCLEONS
*BT1 antibaryons
*BT1 nucleons
NT1 antineutrons
NT1 antiprotons
RT antinucleon beams

ANTIOMEGA PARTICLES
*BT1 antihyperons
*BT1 omega particles

ANTIOXIDANTS
RT oxidation
RT oxidizers

ANTIPARTICLE BEAMS
BT1 beams
NT1 antineutrino beams
NT1 antinucleon beams
NT2 antiproton beams
RT pomeranchuk theorem

ANTIPARTICLES
*BT1 antimatter
BT1 elementary particles
NT1 antibaryons
NT2 antihyperons
NT3 antilambda particles
NT3 antiomega particles
NT3 antisigma particles
NT3 antixi particles
NT2 antinucleons
NT3 antineutrons
NT3 antiprotons
NT1 antikaons
NT2 antikaons neutral
NT1 antileptons
NT2 antineutrinos
NT3 electron antineutrinos
NT3 muon antineutrinos
NT2 muons plus
NT2 positrons
NT3 cosmic positrons
NT1 antimesons
NT2 pseudoscalar antimesons
NT3 anti-b neutral mesons
NT3 anti-d neutral mesons

ANTIPROTON BEAMS
*BT1 antinucleon beams

antiproton-deuteron interactions
Use antiproton-neutron interactions
AND proton-antiproton interactions

ANTIPROTON-NEUTRON INTERACTIONS
(From January 1975 till May 1996 ANTIPROTON-DEUTERON INTERACTIONS was a valid ETDE descriptor.)
UF+ *antiproton-deuteron interactions*
*BT1 nucleon-antinucleon interactions

antiproton-proton interactions
Use proton-antiproton interactions

ANTIPROTON REACTIONS
*BT1 antinucleon reactions

ANTIPROTON SOURCES
INIS: Dec 1985; ETDE: Jan 1986
*BT1 particle sources
RT antiprotons

antiprotonic atoms
Use hadronic atoms

ANTIPROTONS
*BT1 antinuclei
*BT1 antinucleons
*BT1 protons
RT antiproton sources
RT protonium

ANTIPYRETICS
UF *anti-inflammatory agents*
UF+ *acetophenetidin*
UF+ *aminopyrine*
UF+ *phenacetin*
*BT1 central nervous system depressants
NT1 acetylsalicylic acid

NT1 antipyrine
NT1 colchicine
NT1 quinine
RT analgesics
RT fever
RT inflammation

ANTIPYRINE
*BT1 analgesics
*BT1 antipyretics
*BT1 pyrazolines

ANTIREFLECTION COATINGS
INIS: Oct 1976; ETDE: Jan 1975
BT1 coatings
RT optical equipment
RT optical systems
RT reflective coatings
RT solar absorbers

ANTISEPTICS
INIS: Apr 2000; ETDE: Jan 1976
(Disinfectants mild enough for use on living tissue.)
BT1 germicides
RT disinfectants
RT drugs

antiserum
Use immune serums

ANTISIGMA PARTICLES
*BT1 antihyperons
*BT1 sigma particles

ANTITHYROID DRUGS
UF *thyroid antagonists*
BT1 drugs
NT1 thiocyanates
NT2 ammonium thiocyanates
NT1 thiouracil
NT1 thiourea
RT hyperthyroidism
RT hypothyroidism
RT thyroid

ANTITOXINS
BT1 antibodies
RT toxins

ANTITRITONS
*BT1 antinuclei
*BT1 tritons

ANTITRUST LAWS
(From February to August 1992 this concept in ETDE was indexed to US ANTITRUST LAWS.)
UF *us antitrust laws*
BT1 laws
RT business
RT competition
RT conflicts of interest
RT marketing
RT monopolies

ANTITRUST REVIEW
INIS: Sep 1979; ETDE: Jan 1975
(A review to establish whether a situation would be created or maintained which would be inconsistent with antitrust laws.)
BT1 legal aspects
RT reactor licensing

ANTIXI PARTICLES
*BT1 antihyperons
*BT1 xi particles

ANTLERS
*BT1 bone tissues
RT deer

antrim shales
Use black shales

ANTS
*BT1 hymenoptera

ANU SUPERCONDUCTING LINAC
INIS: Aug 1996; ETDE: Jul 1998
(Linear Accelerator at the Australian National University, Department of Nuclear Physics.)
*BT1 linear accelerators

ANVIL POINTS RESEARCH FACILITY
INIS: Apr 2000; ETDE: Apr 1975
*BT1 oil shale processing plants
RT oil shales

ANVIL PROJECT
INIS: Apr 1978; ETDE: Jun 1977
UF *banon event*
UF *billet event*
UF *cheshire event*
UF *chiberta event*
UF *colby event*
UF *esrom event*
UF *estuary event*
UF *fontina event*
UF *husky pup event*
UF *inlet event*
UF *kasseri event*
UF *keelson event*
UF *leyden event*
UF *marsh event*
UF *muenster event*
UF *pool event*
UF *project anvil*
UF *strait event*
*BT1 nuclear explosions
RT contained explosions
RT underground explosions

ANYONS
INIS: Mar 1992; ETDE: Mar 1992
BT1 quasi particles
RT quantum field theory
RT statistical mechanics
RT superconductivity

AO-PHAI-1 REACTOR
INIS: Mar 1985; ETDE: Apr 1985
UF *sriracha reactor*
*BT1 power reactors

AORTA
*BT1 arteries
RT heart
RT mediastinum

apa
Use alaska power administration

apache
Use isochronous cyclotrons

APARTMENT BUILDINGS
INIS: Jul 1985; ETDE: Jan 1975
*BT1 residential buildings
RT commercial buildings
RT households

APATITES
UF+ *calcium hydroxyapatite*
*BT1 phosphate minerals
RT kimberlites

APERTURES
BT1 openings
RT orifices

APES
*BT1 primates
RT monkeys

APFA-3 REACTOR
(Accelerator Pulsed Fast Critical Assembly)
UF *accelerator pulsed fast assembly*
*BT1 zero power reactors

APHIDS
*BT1 hemiptera

API GRAVITY
INIS: Sep 1993; ETDE: Mar 1976
(Scale adopted by American Petroleum Institute to express the specific gravity of oils.)
*BT1 density

apis mellifera
Use bees

aplastic anemia
Use anemias

APLITES
UF *alaskites*
*BT1 granites
RT feldspars
RT quartz

APOLIPOPROTEINS
INIS: Sep 1992; ETDE: Aug 1978
*BT1 lipoproteins
RT coenzymes

APOLLO PROJECT
UF *project apollo*
RT lunar materials
RT moon
RT space flight

APOPTOSIS
INIS: Apr 1999; ETDE: May 1999
RT cell differentiation
RT cell killing
RT ontogenesis

appalachia
Use appalachian mountains

APPALACHIAN BASIN
INIS: Aug 1992; ETDE: Sep 1989
*BT1 sedimentary basins
NT1 chattanooga formation

APPALACHIAN MOUNTAINS
UF *appalachia*
BT1 mountains
NT1 adirondack mountains
RT canada
RT usa

appalachian orogeny
See permian period

apparatus
Use equipment

APPARENT MOLAL VOLUME
INIS: Apr 2000; ETDE: Sep 1975
(Apparent molal volume is equal to the total volume of the solution minus the volume of the solvent divided by the number of moles of the solute.)
RT thermodynamic properties

APPEALS
INIS: Jan 1988; ETDE: Dec 1979
BT1 administrative procedures

appendix (vermiform)
Use large intestine
AND lymphatic system

APPENNINES
INIS: Oct 1976; ETDE: Nov 1976
*BT1 italy
BT1 mountains

APPLE COMPUTERS
INIS: Aug 1992; ETDE: Dec 1981
BT1 computers

APPLES
*BT1 fruits
RT codling moth
RT fruit trees
RT rosaceae

APPLIANCES
INIS: Jan 1993; ETDE: Jun 1975
BT1 equipment
NT1 clothes dryers
NT1 clothes washers
NT1 coal burning appliances
NT1 dishwashers
NT1 electric appliances
NT2 microwave ovens
NT1 freezers
NT1 gas appliances
NT1 ovens
NT2 microwave ovens
NT1 space heaters
NT1 stoves
NT1 water heaters
NT2 solar water heaters
NT3 passive solar water heaters
NT4 thermic diode solar panels
NT1 wood burning appliances
NT2 wood burning furnaces
RT air conditioners

applications
Use uses

applicators (radiotherapy)
Use radiation sources

appraisal
Use cost estimation

APPROPRIATE TECHNOLOGY
INIS: Dec 1982; ETDE: Aug 1993
(A technology anywhere between the simplest and the most sophisticated that is appropriate for accomplishing a particular task.)
UF *intermediate technology*
SF *nanotechnology*
RT renewable energy sources
RT technology assessment
RT technology impacts
RT technology utilization

approximation (adiabatic)
Use adiabatic approximation

approximation (bohr)
Use nilsson-mottelson model

approximation (born-oppenheimer)
Use born-oppenheimer approximation

approximation (born)
Use born approximation

approximation (brinkman-kramers)
Use brinkman-kramers approximation

approximation (coupled-channel)
Use coupled channel born approximation

approximation (diabatic)
Use diabatic approximation

approximation (distorted-wave)
Use dwba

approximation (eikonal)
Use eikonal approximation

approximation (equivalent-photon)
Use equivalent-photon approximation

approximation (fixed scattering centres)
Use fsc approximation

approximation (p1)
Use p1-approximation

approximation (p2)
Use p2-approximation

approximation (p3)
Use p3-approximation

approximation (semiclassical)
Use semiclassical approximation

approximation (straight-line)
Use straight-line path approximation

approximation (sudden)
Use sudden approximation

approximation (tomonaga)
Use tomonaga approximation

approximation (williams-weizsaecker)
Use equivalent-photon approximation

apra reactor
Use aprf reactor

APRF REACTOR
UF *aberdeen maryland reactor*
UF *apra reactor*
UF *army pulsed reactor assembly*
*BT1 fast reactors
*BT1 pulsed reactors
*BT1 research reactors

APRICOTS
INIS: Jul 1993; ETDE: Jan 1975
*BT1 fruits
RT fruit trees
RT rosaceae

APS REACTOR
(Obninsk, Kaluga, Russian Federation)
UF *am-1 reactor*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

aps storage ring
Use advanced photon source

APSARA REACTOR
(Bhabha Atomic Research Center, Trombay, Maharashtra, India)
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

AQUA REGIA
RT hydrochloric acid
RT nitric acid

aquaclaus process
Use desulfurization

AQUACULTURE
INIS: Sep 1991; ETDE: Nov 1975
(Cultivation of natural faunal and/or floral resources of water.)
UF *aquiculture*
UF *mariculture*
RT fisheries
RT fishes
RT hydroponic culture
RT waste heat utilization

AQUATIC ECOSYSTEMS
UF *brackish water ecosystems*
UF *estuarine ecosystems*
UF *fresh water ecosystems*
UF *marine ecosystems*
BT1 ecosystems
NT1 wetlands
NT2 marshes
NT2 swamps
RT amphibians
RT aquatic organisms
RT benthos
RT biochemical oxygen demand
RT cattails
RT chemical oxygen demand
RT eutrophication
RT hydrosphere
RT limnology
RT otters
RT rotifera

AQUATIC ORGANISMS
INIS: Oct 1976; ETDE: Jun 1975
(Unspecified biota characteristic of aquatic ecosystems.)
UF+ *azolla*
UF+ *manatees*
NT1 amphibians
NT2 frogs
NT2 salamanders
NT3 triturus
NT2 toads
NT1 aufwuchs
NT1 benthos
NT2 echinoderms
NT3 sea urchins
NT1 bryozoa
NT1 cetaceans
NT1 crustaceans
NT2 branchiopods
NT3 artemia
NT3 daphnia
NT2 copepods
NT2 decapods
NT3 crabs
NT3 lobsters
NT3 prawns
NT3 shrimp
NT1 fishes
NT2 anadromous fishes
NT3 salmon
NT3 striped bass
NT2 codfish
NT2 eel
NT2 fathead minnow
NT2 goldfish
NT2 plaice
NT2 trout
NT2 tuna
NT1 molluscs
NT2 clams
NT2 mussels
NT2 oysters
NT2 snails

NT1 pinnipeds
NT1 plankton
NT2 ichthyoplankton
NT2 phytoplankton
NT2 zooplankton
NT1 rotifera
NT1 seaweeds
NT2 fucus
NT2 laminaria
NT1 water hyacinths
RT algae
RT animals
RT aquatic ecosystems
RT ephemeroptera
RT otters
RT plants

aqueous carbonate process
Use desulfurization

AQUEOUS HOMOGENEOUS REACTORS
*BT1 liquid homogeneous reactors
*BT1 water cooled reactors
*BT1 water moderated reactors
NT1 ai-l-77 reactor
NT1 ber-2 reactor
NT1 byu l-77 reactor
NT1 cesnef reactor
NT1 dr-1 reactor
NT1 frf reactor
NT1 hre-2 reactor
NT1 jrr-1 reactor
NT1 kewb reactor
NT1 kstr reactor
NT1 ncscr-1 reactor
NT1 nevada university reactor
NT1 prnc-l-77 reactor
NT1 supo reactor
NT1 wrrr reactor

aqueous humor
Use body fluids
AND eyes

AQUEOUS SOLUTIONS
UF *water solutions*
*BT1 solutions
RT water

AQUICLUDES
INIS: Jun 1992; ETDE: Jan 1975
(Bodies of relatively impermeable rock that are capable of absorbing water slowly but function as upper or lower boundaries of aquifers and do not transmit ground water rapidly enough to supply a well or spring.)
RT ground water
RT rocks
RT water reservoirs

aquiculture
Use aquaculture

AQUIFERS
(A stratum of permeable rock, sand, or gravel that will yield a significant quantity of water.)
UF *ground-water reserves*
RT artesian basins
RT ground water
RT hydrology
RT reservoir pressure
RT rocks
RT sand
RT underground
RT water influx
RT water tables

AQUILON REACTOR
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 natural uranium reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 zero power reactors

ARAB ATOMIC ENERGY AGENCY
INIS: Mar 1992; ETDE: Apr 1992
BT1 international organizations

ARAB COUNTRIES
INIS: May 1992; ETDE: Aug 1992
NT1 algeria
NT1 bahrain
NT1 djibouti
NT1 egyptian arab republic
NT1 iraq
NT1 jordan
NT1 kuwait
NT1 lebanon
NT1 libyan arab jamahiriya
NT1 mauritania
NT1 morocco
NT1 oman
NT1 qatar
NT1 saudi arabia
NT1 somalia
NT1 sudan
NT1 syria
NT1 tunisia
NT1 united arab emirates
NT1 yemen
RT africa
RT asia
RT middle east

arab republic of egypt
Use egyptian arab republic

ARABIAN SEA
*BT1 indian ocean
NT1 persian gulf
NT2 strait of hormuz

ARABIDOPSIS
*BT1 magnoliopsida

ARABINOSE
*BT1 aldehydes
*BT1 pentoses
RT gum acacia

arachidic acid
Use eicosanoic acid

ARACHIDONIC ACID
*BT1 monocarboxylic acids

ARACHNIDS
*BT1 arthropods
NT1 mites
NT1 scorpions
NT1 spiders
NT1 ticks

ARAGONITE
(A white, yellowish, or gray orthorhombic mineral.)
*BT1 carbonate minerals
RT calcium carbonates

ARAL SEA
INIS: Dec 1998; ETDE: Jan 1999
*BT1 lakes
*BT1 seas
RT kazakhstan
RT uzbekistan

ARALDITE
*BT1 epoxides
*BT1 organic polymers
RT homalite
RT resins

aralex process
Use radioactive waste processing

ARAMIDS
INIS: Apr 1984; ETDE: Jul 1978
(Until July 1996 this concept was indexed to POLYAMIDES.)
UF *kevlar*
*BT1 plastics
RT fibers

arbeitsgemeinschaft versuchsreaktor
Use avr reactor

ARBI REACTOR
(Bilbao, Vizcaya, Spain)
UF *argonaut bilbao reactor*
UF *bilbao argonaut reactor*
*BT1 argonaut type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

ARBITRATION
INIS: Dec 1976; ETDE: Jun 1977
(From March 1981 till March 1997 MEDIATION was a valid ETDE descriptor.)
SF *mediation*
RT dispute settlements
RT hearings
RT lawsuits

ARBOR PROJECT
INIS: Apr 2000; ETDE: Feb 1975
*BT1 nuclear explosions
*BT1 underground explosions
RT nevada test site

ARBUS REACTOR
UF *ast-1 reactor*
UF *melekess-arbus reactor*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 omr type reactors
*BT1 power reactors
*BT1 test reactors
*BT1 thermal reactors

ARC COAL PROCESS
INIS: Apr 2000; ETDE: May 1975
(Avco Corp. process for production of acetylene and recovery of carbon black, hcn, char, low-btu fuel gas, and sulfur .)
*BT1 coal gasification

ARC FURNACES
*BT1 electric furnaces
RT plasma furnaces
RT vacuum furnaces

ARC WELDING
UF *flux cored arc welding*
*BT1 welding
NT1 gas metal-arc welding
NT2 gas tungsten-arc welding
NT1 plasma arc welding
NT1 shielded metal-arc welding
NT1 submerged arc welding
RT electroslag welding
RT sputtering

ARCHAEOLOGICAL SITES
INIS: Dec 1985; ETDE: Jul 1978
RT archaeological specimens
RT archaeology
RT cultural objects
RT site selection

ARCHAEOLOGICAL SPECIMENS
RT archaeological sites
RT archaeology
RT cultural objects
RT cultural resources
RT fossils

ARCHAEOLOGY
RT age estimation
RT archaeological sites
RT archaeological specimens
RT historical aspects

ARCHITECTS
INIS: Aug 1992; ETDE: Jan 1980
SF *professional personnel*
BT1 personnel
RT architecture
RT builders
RT buildings
RT construction industry
RT solar architecture

ARCHITECTURE
INIS: Mar 1992; ETDE: Jan 1975
NT1 solar architecture
RT aesthetics
RT architects
RT buildings
RT cultural resources
RT thermal comfort

arco process
See reprocessing
OR solvent extraction

ARCTIC GAS PIPELINES
INIS: Apr 2000; ETDE: Jul 1976
BT1 pipelines
RT natural gas
RT transport

arctic haze
Use arctic regions

ARCTIC OCEAN
INIS: Sep 1977; ETDE: Apr 1975
*BT1 seas
NT1 beaufort sea
NT2 prudhoe bay
NT1 chukchi sea
RT arctic regions
RT greenland

ARCTIC REGIONS
(From April 1987 till February 1997 ARCTIC HAZE was a valid ETDE descriptor.)
UF *arctic haze*
*BT1 polar regions
RT antarctic regions
RT arctic ocean
RT auroral zones
RT chukchi sea
RT climates
RT eskimos
RT glaciers
RT greenland
RT ice
RT ice caps
RT lapps
RT natural gas hydrate deposits
RT novaya zemlya
RT permafrost
RT polar-cap aurorae
RT snow
RT tundra

ARDENNES B-1 REACTOR
INIS: Jul 1984; ETDE: Sep 1984
UF *chooz b-1 reactor*
*BT1 pwr type reactors

ARDENNES REACTOR
(Chooz, Ardennes, France)
UF *chooz reactor*
UF *sena reactor*
*BT1 pwr type reactors

are-rr-1 reactor
Use wwr-s-cairo reactor

area pollution sources
Use pollution sources

ARGAND DIAGRAMS
(The real part of a scattering amplitude plotted versus the imaginary one.)
*BT1 scatterplots
RT phase shift
RT scattering amplitudes

ARGENTINA
BT1 developing countries
*BT1 south america
NT1 mendoza
RT andes

argentina-brasil agencia contabil controle mater nuclear
Use abacc

ARGENTINE ARN
INIS: Jul 2000; ETDE: Nov 1999
(Argentine Autoridad Regulatoria Nuclear)
*BT1 argentine organizations

ARGENTINE CNEA
INIS: Oct 1993; ETDE: Nov 1993
(Comision Nacional de Energia Atomica de la Republica Argentina.)
UF *cnea (argentina)*
*BT1 argentine organizations

ARGENTINE INVAP
Mar 2003
(Argentine Investigacion Aplicada SE (INVAP), San Carlos de Bariloche, Argentina.)
UF *argentine invap sociedad del estado*
UF *invap (argentina)*
*BT1 argentine organizations

argentine invap sociedad del estado
Use argentine invap

ARGENTINE ORGANIZATIONS
INIS: Jul 1986; ETDE: Dec 1986
BT1 national organizations
NT1 argentine arn
NT1 argentine cnea
NT1 argentine invap

argentine reactor ra-0
Use ra-0 reactor

argentine reactor ra-1
Use ra-1 reactor

argentine reactor ra-2
Use ra-2 reactor

argentine reactor ra-3
Use ra-3 reactor

argentine reactor ra-4
Use ra-4 reactor

argentine reactor ra-5
Use ra-5 reactor

argentine reactor ra-6
Use ra-6 reactor

argentine reactor ra-8
Use ra-8 reactor

ARGILLITE
INIS: Apr 1984; ETDE: Jul 1979
*BT1 shales

ARGINASE
(Code numbers 3.5.3.1 and 3.5.3.10.)
*BT1 amidases
RT arginine

ARGININE
UF *guanidylaminovaleric acid*
*BT1 amino acids
RT arginase

ARGON
*BT1 rare gases

ARGON 31
INIS: Aug 1986; ETDE: Sep 1986
*BT1 argon isotopes
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes

ARGON 32
*BT1 argon isotopes
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes

ARGON 33
*BT1 argon isotopes
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes

ARGON 34
*BT1 argon isotopes
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes

ARGON 35
*BT1 argon isotopes
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 seconds living radioisotopes

ARGON 36
*BT1 argon isotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 stable isotopes

ARGON 36 REACTIONS
INIS: Jul 1980; ETDE: Aug 1980
*BT1 heavy ion reactions

ARGON 36 TARGET
BT1 targets

ARGON 37
*BT1 argon isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei

ARGON 37 TARGET
INIS: Feb 1979; ETDE: Mar 1979
BT1 targets

ARGON 38
*BT1 argon isotopes

*BT1 even-even nuclei
*BT1 light nuclei
*BT1 stable isotopes

ARGON 38 BEAMS
INIS: Dec 1986; ETDE: Feb 1987
*BT1 ion beams

ARGON 38 TARGET
BT1 targets

ARGON 39
*BT1 argon isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 years living radioisotopes

ARGON 39 BEAMS
INIS: Dec 1986; ETDE: Feb 1987
*BT1 radioactive ion beams

ARGON 40
*BT1 argon isotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 stable isotopes
RT argon 40 beams

ARGON 40 BEAMS
*BT1 ion beams
RT argon 40

ARGON 40 REACTIONS
*BT1 heavy ion reactions

ARGON 40 TARGET
BT1 targets

ARGON 41
*BT1 argon isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei

ARGON 42
*BT1 argon isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 years living radioisotopes

ARGON 43
*BT1 argon isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

ARGON 44
*BT1 argon isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

ARGON 45
*BT1 argon isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

ARGON 46
*BT1 argon isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

ARGON 47
INIS: Aug 1986; ETDE: Sep 1986
*BT1 argon isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei

ARGON 49
INIS: Sep 1989; ETDE: Oct 1989
*BT1 argon isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei

ARGON 50
INIS: Sep 1989; ETDE: Oct 1989
*BT1 argon isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei

ARGON 51
INIS: Sep 1989; ETDE: Oct 1989
*BT1 argon isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei

ARGON CHLORIDES
*BT1 argon compounds
*BT1 chlorides

ARGON COMPLEXES
BT1 complexes

ARGON COMPOUNDS
BT1 rare gas compounds
NT1 argon chlorides
NT1 argon fluorides
NT1 argon hydrides
NT1 argon iodides
NT1 argon nitrides
NT1 argon oxides

ARGON FLUORIDES
*BT1 argon compounds
*BT1 fluorides

ARGON HYDRIDES
*BT1 argon compounds
*BT1 hydrides

ARGON IODIDES
*BT1 argon compounds
*BT1 iodides

ARGON IONS
*BT1 ions

ARGON ISOTOPES
BT1 isotopes
NT1 argon 31
NT1 argon 32
NT1 argon 33
NT1 argon 34
NT1 argon 35
NT1 argon 36
NT1 argon 37
NT1 argon 38
NT1 argon 39
NT1 argon 40
NT1 argon 41
NT1 argon 42
NT1 argon 43
NT1 argon 44
NT1 argon 45
NT1 argon 46
NT1 argon 47
NT1 argon 49
NT1 argon 50
NT1 argon 51

argon method
Use isotope dating

ARGON NITRIDES
*BT1 argon compounds
*BT1 nitrides

ARGON OXIDES
INIS: Nov 1981; ETDE: Jun 1981
*BT1 argon compounds
*BT1 oxides

argonaut barcelona reactor
Use argos reactor

argonaut bilbao reactor
Use arbi reactor

argonaut eindhoven reactor
Use athene reactor

argonaut lemont reactor
Use argonaut reactor

ARGONAUT REACTOR
(ANL, Argonne, Illinois, USA)
UF *argonaut lemont reactor*
UF *cp-11 reactor*
*BT1 argonaut type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

ARGONAUT TYPE REACTORS
*BT1 enriched uranium reactors
*BT1 research and test reactors
*BT1 water cooled reactors
*BT1 water moderated reactors
NT1 aeg-pr-10 reactor
NT1 arbi reactor
NT1 argonaut reactor
NT1 argos reactor
NT1 athene reactor
NT1 jason reactor
NT1 lfr reactor
NT1 moata reactor
NT1 nestor reactor
NT1 queen mary college utr-b reactor
NT1 ra-1 reactor
NT1 rb-2 reactor
NT1 rien-1 reactor
NT1 srrc-utr-100 reactor
NT1 stark reactor
NT1 strasbourg-cronenbourg reactor
NT1 uftr reactor
NT1 ulysse reactor
NT1 urr reactor
NT1 utr-10-kinki reactor
NT1 vpi-utr-10 reactor

argonauta rien-1 reactor
Use rien-1 reactor

argonauta rio reactor
Use rien-1 reactor

argonne advanced research reactor
Use cp-6 reactor

argonne fast source reactor
Use afsr reactor

argonne heavy water modified reactor
Use cp-3m reactor

argonne heavy water reactor
Use cp-3 reactor

argonne high flux reactor
Use cp-6 reactor

argonne national laboratory
Use anl

argonne research reactor
Use cp-5 reactor

argonne superconducting linac
Use atlas superconducting linac

argonne tandem/linear accelerator
Use atlas superconducting linac

argonne tank research and test reactor-aarr
Use aarr reactor

argonne thermal source reactor
Use atsr reactor

argonne zgs
Use zgs

argonox process
Use combined soxnox processes

ARGOS REACTOR
(Barcelona, Spain)
UF *argonaut barcelona reactor*
UF *barcelona argonaut reactor*
*BT1 argonaut type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

argus event
Use atmospheric explosions
AND nuclear explosions

ARID LANDS
INIS: Jan 1992; ETDE: Mar 1977
NT1 deserts
RT buffalo gourd
RT droughts
RT jojoba
RT land use
RT savannas
RT terrestrial ecosystems

ARIEL SATELLITES
BT1 satellites

ARIZONA
*BT1 usa
RT great basin

ARKANSAS
*BT1 usa
RT chattanooga formation
RT mississippi river
RT white river basin

ARKANSAS-1 REACTOR
(Pope, Arkansas, USA)
UF *arkansas power-light-1 reactor*
UF *russellville-1 arkansas reactor*
*BT1 pwr type reactors

ARKANSAS-2 REACTOR
(Pope, Arkansas, USA)
UF *arkansas power-light-2 reactor*
UF *russellville-2 arkansas reactor*
*BT1 pwr type reactors

arkansas power-light-1 reactor
Use arkansas-1 reactor

arkansas power-light-2 reactor
Use arkansas-2 reactor

ARKANSAS RIVER
INIS: Apr 2000; ETDE: Sep 1977
*BT1 rivers

arktika (nuclear ship)
Use ns leonid brezhnev

arktika reactor
Use leonid brezhnev reactor

ARMATURES
INIS: Apr 1984; ETDE: Sep 1976
*BT1 electrical equipment
RT electric generators
RT electric motors
RT rotors
RT stators

ARMENIA
INIS: Feb 1993; ETDE: Apr 1993
(Until January 1993, this was indexed by USSR.)
SF *soviet union*
SF *union of soviet socialist republics*
SF *ussr*
BT1 asia
RT caucasus

ARMENIAN-1 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
UF *oktemberian-1 reactor*
*BT1 wwer type reactors

ARMENIAN-2 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
UF *oktemberian-2 reactor*
*BT1 wwer type reactors

ARMENIAN ORGANIZATIONS
BT1 national organizations

ARMF-1 REACTOR
(Idaho National Engineering Lab., Idaho Falls, Idaho, USA)
UF *advanced reactivity measurement facility-1*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

ARMOR
INIS: Apr 1988; ETDE: Sep 1976
RT guns
RT projectiles

ARMS
INIS: Feb 1976; ETDE: Apr 1976
*BT1 limbs
NT1 hands
NT2 fingers

ARMS CONTROL
INIS: May 1988; ETDE: Aug 1985
SF *disarmament*
RT bangkok treaty
RT ctbt
RT ctbto
RT non-proliferation policy
RT non-proliferation treaty
RT nuclear disarmament
RT nuclear freeze
RT nuclear weapons dismantlement
RT pelindaba treaty
RT rarotonga treaty
RT salt talks
RT tlatelolco treaty
RT unidir
RT us acda
RT verification
RT weapons

army personnel
Use military personnel

army pulsed reactor assembly
Use aprf reactor

aromatic acids
Use carboxylic acids

aromatic compounds
Use aromatics

aromatic hydrocarbons
Use aromatics

AROMATICS
UF *aromatic compounds*
UF *aromatic hydrocarbons*
UF+ *ndpp*
SF *syntans*
BT1 organic compounds
NT1 acetophenone
NT1 alkylated aromatics
NT2 mesitylene
NT2 methylnaphthalenes
NT2 styrene
NT2 toluene
NT2 xylenes
NT3 xylene-para
NT1 aniline
NT1 azaarenes
NT2 acridines
NT3 acridine orange
NT3 flavines
NT4 acriflavine
NT4 proflavine
NT2 carbazoles
NT2 indoles
NT3 indigo
NT3 indocyanine green
NT3 lysergic acid
NT3 reserpine
NT3 strychnine
NT3 tryptamines
NT4 melatonin
NT4 serotonin
NT5 bufotenine
NT3 tryptophan
NT3 vinblastine
NT2 phenanthrolines
NT3 ferroin
NT3 phenanthroline-ortho
NT2 pteridines
NT3 aminopterin
NT3 folic acid
NT2 purines
NT3 adenines
NT4 kinetin
NT3 guanine
NT3 guanosine
NT3 hypoxanthine
NT3 inosine
NT3 mercaptopurine
NT3 xanthines
NT4 caffeine
NT4 theobromine
NT4 theophylline
NT4 uric acid
NT2 quinolines
NT3 ferron
NT3 oxine
NT3 quinaldine
NT1 benzene
NT1 benzidine
NT1 benzyl alcohol
NT1 bibenzyl
NT1 biphenyl
NT1 condensed aromatics
NT2 3-methylcholanthrene
NT2 acenaphthene
NT2 anthracene
NT2 benzanthracene
NT2 benzopyrene
NT2 calixarenes
NT2 cholanthrene

NT2 chrysene
NT2 dimethylbenzanthracene
NT2 fluorene
NT2 indene
NT2 indocyanine green
NT2 methylnaphthalenes
NT2 naphthalene
NT2 pentacene
NT2 perylene
NT2 phenanthrene
NT2 pyrene
NT2 tetracene
NT2 triphenylene
NT1 cumene
NT1 cymene
NT1 ddt
NT1 divinylbenzene
NT1 durene
NT1 halogenated aromatic hydrocarbons
NT2 brominated aromatic hydrocarbons
NT2 chlorinated aromatic hydrocarbons
NT3 aldrin
NT3 polychlorinated biphenyls
NT2 fluorinated aromatic hydrocarbons
NT2 iodinated aromatic hydrocarbons
NT1 indan
NT1 methyl tyrosine
NT1 mibg
NT1 oligophenylenes
NT1 pethidine
NT1 phenols
NT2 cresols
NT2 dinitrophenol
NT2 eriochrome dyes
NT2 naphthols
NT3 1-nitroso-2-naphthol
NT3 nitroso-r salt
NT3 pan
NT3 thorin
NT3 trypan blue
NT2 nitrophenol
NT2 phenol
NT2 phenolphthalein
NT2 picric acid
NT2 polyphenols
NT3 arsenazo
NT3 bromosulfophthalein
NT3 catecholamines
NT3 curcumin
NT3 dopamine
NT3 fluorescein
NT4 erythrosine
NT3 hematoxylin
NT3 morin
NT3 pyridylazoresorcinol
NT3 pyrocatechol
NT3 pyrogallol
NT3 quercetin
NT3 resorcinol
NT3 stilbestrol
NT3 tannic acid
NT3 tiron
NT2 pop
NT2 thymol
NT2 tyramine
NT2 xylenols
NT1 phenylalanine
NT1 polycyclic aromatic hydrocarbons
NT2 3-methylcholanthrene
NT1 polyphenyls
NT2 terphenyls
NT3 terphenyl-ortho
NT3 terphenyl-para
NT1 quaterphenyls
NT1 quinones
NT2 anthraquinones
NT3 alizarin
NT3 carminic acid
NT3 quinizarin
NT2 benzoquinones
NT3 chloranil
NT3 chloranilic acid
NT3 plastoquinone
NT3 ubiquinone
NT2 rhodizonic acid
NT2 vitamin k
NT1 stilbene
NT1 tetralin
NT1 tolan
RT aromatization
RT cyanine dyes
RT hydroaromatics
RT hydrocarbons
RT oleoresins
RT organic coolants
RT organic moderators
RT solvesso
RT squarylium dyes

AROMATIZATION

INIS: May 1986; ETDE: Apr 1975
(Conversion of any nonaromatic hydrocarbon structure to aromatic hydrocarbon.)
BT1 chemical reactions
RT aromatics

ARRAY PROCESSORS

INIS: Jul 1985; ETDE: Aug 1979
(Multiprocessors composed of sets of identical CPUs, each set acting synchronously under the control of a common unit.)
UF *multiprocessors*
*BT1 digital computers
RT cedar computers
RT computer architecture
RT data processing
RT digital filters
RT hypercube computers
RT microprocessors
RT task scheduling

ARRHENIUS EQUATION

BT1 equations
RT activation energy
RT chemical reaction kinetics
RT partition
RT reaction kinetics

arsanilic acid

Use amines
AND arsonic acids

ARSENATES

(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 arsenic compounds
BT1 oxygen compounds
RT arsenic oxides

ARSENAZO

*BT1 arsonic acids
*BT1 azo compounds
*BT1 polyphenols
BT1 reagents
*BT1 sulfonic acids

ARSENIC

*BT1 semimetals

ARSENIC 64

Jan 2003
*BT1 arsenic isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 proton decay radioisotopes

ARSENIC 65

INIS: Dec 1990; ETDE: Jan 1991
*BT1 arsenic isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

ARSENIC 66

INIS: Sep 1979; ETDE: Mar 1979
*BT1 arsenic isotopes
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

ARSENIC 67

INIS: Jul 1978; ETDE: Apr 1978
*BT1 arsenic isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

ARSENIC 68

*BT1 arsenic isotopes
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

ARSENIC 69

*BT1 arsenic isotopes
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

ARSENIC 70

*BT1 arsenic isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

ARSENIC 71

*BT1 arsenic isotopes
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

ARSENIC 72

*BT1 arsenic isotopes
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

ARSENIC 73

*BT1 arsenic isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

ARSENIC 74

*BT1 arsenic isotopes
*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

ARSENIC 75

*BT1 arsenic isotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes

*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 stable isotopes

ARSENIC 75 TARGET
BT1 targets

ARSENIC 76
*BT1 arsenic isotopes
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

ARSENIC 77
*BT1 arsenic isotopes
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

ARSENIC 78
*BT1 arsenic isotopes
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

ARSENIC 79
*BT1 arsenic isotopes
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

ARSENIC 80
*BT1 arsenic isotopes
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ARSENIC 81
*BT1 arsenic isotopes
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

ARSENIC 82
*BT1 arsenic isotopes
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ARSENIC 83
*BT1 arsenic isotopes
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

ARSENIC 84
*BT1 arsenic isotopes
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ARSENIC 85
*BT1 arsenic isotopes
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

ARSENIC 86
*BT1 arsenic isotopes
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

ARSENIC 87
*BT1 arsenic isotopes
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

ARSENIC ADDITIONS
*BT1 arsenic alloys

ARSENIC ALLOYS
(Alloys containing more than 1% As.)
BT1 alloys
NT1 arsenic additions
RT arsenides

ARSENIC BROMIDES
BT1 arsenic compounds
*BT1 bromides

ARSENIC CHLORIDES
BT1 arsenic compounds
*BT1 chlorides

ARSENIC COMPLEXES
BT1 complexes

ARSENIC COMPOUNDS
UF *arsonium compounds*
UF+ *cacodylic acid*
NT1 arsenates
NT1 arsenic bromides
NT1 arsenic chlorides
NT1 arsenic fluorides
NT1 arsenic hydrides
NT1 arsenic iodides
NT1 arsenic oxides
NT1 arsenic selenides
NT1 arsenic sulfides
NT1 arsenic tellurides
NT1 arsenides
NT2 aluminium arsenides
NT2 boron arsenides
NT2 cadmium arsenides
NT2 cerium arsenides
NT2 cobalt arsenides
NT2 copper arsenides
NT2 europium arsenides
NT2 gadolinium arsenides
NT2 gallium arsenides
NT2 germanium arsenides
NT2 hafnium arsenides
NT2 indium arsenides
NT2 iron arsenides
NT2 lithium arsenides
NT2 magnesium arsenides
NT2 manganese arsenides
NT2 molybdenum arsenides
NT2 neptunium arsenides
NT2 nickel arsenides
NT2 niobium arsenides
NT2 palladium arsenides
NT2 platinum arsenides
NT2 plutonium arsenides
NT2 praseodymium arsenides
NT2 ruthenium arsenides
NT2 samarium arsenides
NT2 silicon arsenides
NT2 silver arsenides
NT2 tellurium arsenides
NT2 thorium arsenides
NT2 tin arsenides
NT2 uranium arsenides
NT2 zinc arsenides
NT1 thorin
RT organic arsenic compounds

ARSENIC FLUORIDES
BT1 arsenic compounds
*BT1 fluorides

ARSENIC HYDRIDES
BT1 arsenic compounds
*BT1 hydrides

ARSENIC IODIDES
BT1 arsenic compounds
*BT1 iodides

ARSENIC IONS
*BT1 ions

ARSENIC ISOTOPES
BT1 isotopes
NT1 arsenic 64
NT1 arsenic 65
NT1 arsenic 66
NT1 arsenic 67
NT1 arsenic 68
NT1 arsenic 69
NT1 arsenic 70
NT1 arsenic 71
NT1 arsenic 72
NT1 arsenic 73
NT1 arsenic 74
NT1 arsenic 75
NT1 arsenic 76
NT1 arsenic 77
NT1 arsenic 78
NT1 arsenic 79
NT1 arsenic 80
NT1 arsenic 81
NT1 arsenic 82
NT1 arsenic 83
NT1 arsenic 84
NT1 arsenic 85
NT1 arsenic 86
NT1 arsenic 87

ARSENIC OXIDES
BT1 arsenic compounds
*BT1 oxides
RT arsenates
RT hallimondite
RT heinrichite
RT kahlerite
RT kirchheimerite
RT novacekite
RT oxide minerals

ARSENIC SELENIDES
INIS: Feb 1978; ETDE: Aug 1975
BT1 arsenic compounds
*BT1 selenides

ARSENIC SULFIDES
BT1 arsenic compounds
*BT1 sulfides

ARSENIC TELLURIDES
INIS: Mar 1977; ETDE: Aug 1975
BT1 arsenic compounds
*BT1 tellurides

ARSENIDES
UF+ *americium arsenides*
UF+ *berkelium arsenides*
UF+ *californium arsenides*
UF+ *curium arsenides*
UF+ *terbium arsenides*
UF+ *thulium arsenides*
UF+ *titanium arsenides*
UF+ *vanadium arsenides*
UF+ *yttrium arsenides*
UF+ *zirconium arsenides*
BT1 arsenic compounds
BT1 pnictides

NT1 aluminium arsenides
NT1 boron arsenides
NT1 cadmium arsenides
NT1 cerium arsenides
NT1 cobalt arsenides
NT1 copper arsenides
NT1 europium arsenides
NT1 gadolinium arsenides
NT1 gallium arsenides
NT1 germanium arsenides
NT1 hafnium arsenides
NT1 indium arsenides
NT1 iron arsenides
NT1 lithium arsenides
NT1 magnesium arsenides
NT1 manganese arsenides
NT1 molybdenum arsenides
NT1 neptunium arsenides
NT1 nickel arsenides
NT1 niobium arsenides
NT1 palladium arsenides
NT1 platinum arsenides
NT1 plutonium arsenides
NT1 praseodymium arsenides
NT1 ruthenium arsenides
NT1 samarium arsenides
NT1 silicon arsenides
NT1 silver arsenides
NT1 tellurium arsenides
NT1 thorium arsenides
NT1 tin arsenides
NT1 uranium arsenides
NT1 zinc arsenides
RT arsenic alloys
RT intermetallic compounds

arsi reactor
Use avogadro rs-1 reactor

arsonates
Use organic arsenic compounds

ARSONIC ACIDS
UF+ *arsanilic acid*
UF+ *beryllon*
UF+ *dsnadns*
*BT1 organic acids
*BT1 organic arsenic compounds
NT1 arsenazo

arsonium compounds
Use arsenic compounds

art objects
Use cultural objects

ARTEMIA
UF *brine shrimp*
*BT1 branchiopods

ARTEMIS DEVICE
INIS: Nov 1998; ETDE: Dec 1998
*BT1 reversed-field pinch devices
RT reverse-field pinch

ARTERIES
*BT1 blood vessels
NT1 aorta
NT1 carotid arteries
NT1 cerebral arteries
NT1 coronaries
RT arteriosclerosis
RT blood pressure

ARTERIOSCLEROSIS
UF *atherosclerosis*
*BT1 cardiovascular diseases
*BT1 vascular diseases
RT arteries

ARTESIAN BASINS
INIS: Apr 2000; ETDE: Jan 1975
(Terranes, often but not necessarily basin shaped, including an artesian aquifer whose potentiometric surface typically is above the land surface in the topographically lower portion of the terrane.)
RT aquifers
RT ground water

arthritis
Use rheumatic diseases

ARTHROPODS
*BT1 invertebrates
NT1 arachnids
NT2 mites
NT2 scorpions
NT2 spiders
NT2 ticks
NT1 crustaceans
NT2 branchiopods
NT3 artemia
NT3 daphnia
NT2 copepods
NT2 decapods
NT3 crabs
NT3 lobsters
NT3 prawns
NT3 shrimp
NT1 insects
NT2 coleoptera
NT3 beetles
NT4 boll weevil
NT4 tribolium
NT2 dictyoptera
NT3 cockroaches
NT2 diptera
NT3 flies
NT4 fruit flies
NT5 anastrepha
NT5 ceratitis capitata
NT5 dacus
NT6 dacus oleae
NT5 drosophila
NT4 glossina
NT4 hylemya antiqua
NT4 screwworm fly
NT3 mosquitoes
NT2 ephemeroptera
NT2 hemiptera
NT3 aphids
NT2 hymenoptera
NT3 ants
NT3 bees
NT3 wasps
NT2 lepidoptera
NT3 moths
NT4 bollworm
NT4 codling moth
NT4 lymantria dispar
NT4 rice stem borers
NT4 silkworm
NT2 orthoptera
NT3 grasshoppers
NT4 locusts

arthur d little coal liquefaction process
Use coal liquefaction

ARTIFICIAL INTELLIGENCE
INIS: Dec 1986; ETDE: Feb 1984
(A subfield of computer science concerned with the concepts and methods of symbolic inference by a computer and the symbolic representation of the knowledge to be used in making inferences.)
RT computers
RT expert systems
RT knowledge base
RT lisp
RT neural networks
RT programming

ARTIFICIAL LIFTS
INIS: May 1992; ETDE: May 1977
(Any method of lifting oil out of underground reservoirs, usually by injecting gas or foam into a rock or sand formation to force fluids from wells.)
NT1 gas lifts
RT oil wells

ARTIFICIAL ORGANS
(From June 1977 until March 1996 MECHANICAL KIDNEY was a valid ETDE descriptor.)
UF+ *mechanical kidney*
NT1 mechanical heart
RT biotechnology
RT cardiac pacemakers
RT organs
RT prostheses

ARTIFICIAL RADIATION BELTS
BT1 radiation belts
RT nuclear explosions

artisans
Use craftsmen

ARYL 4-MONOOXYGENASE
INIS: Apr 2000; ETDE: Jun 1981
UF *aryl hydrocarbon monooxygenase*
*BT1 oxidoreductases
RT mixed-function oxidases

aryl hydrocarbon monooxygenase
Use aryl 4-monooxygenase

ARYL RADICALS
(Prior to August 1996 ANISYL RADICALS was a valid ETDE descriptor.)
UF *anisyl radicals*
BT1 radicals
NT1 benzyl radicals
NT1 mesityl radicals
NT1 naphthyl radicals
NT1 phenethyl radicals
NT1 phenyl radicals
NT1 tolyl radicals
RT arylation

ARYLATION
INIS: Apr 2000; ETDE: Feb 1985
(The introduction, by substitution or addition, of an aryl group into a chemical compound.)
BT1 chemical reactions
RT aryl radicals

arylmagnesium compounds
Use grignard reagents

as low as reasonably achievable
Use alara

as recycling process
Use desulfurization

ASBESTOS
RT refractories

ASCARIDAE
*BT1 nematodes
BT1 parasites
NT1 ascaris
RT chickens
RT intestines

ASCARIS
*BT1 ascaridae
RT small intestine

ASCHELMINTHES
INIS: Apr 2000; ETDE: Jun 1981
*BT1 invertebrates
NT1 nematodes
NT2 ascaridae
NT3 ascaris
NT2 dictyocaulus
NT2 hookworm
NT2 trichinella

ASCITES
BT1 pathological changes
BT1 symptoms
RT ascites tumor cells
RT ehrlich ascites tumor
RT neoplasms
RT peritoneum

ASCITES TUMOR CELLS
*BT1 tumor cells
RT ascites
RT ehrlich ascites tumor
RT neoplasms

ASCO-1 REACTOR
INIS: Apr 1977; ETDE: Jun 1977
(Asco, Tarragona, Spain)
*BT1 pwr type reactors

ASCO-2 REACTOR
INIS: Apr 1977; ETDE: Jun 1977
(Asco, Tarragona, Spain)
*BT1 pwr type reactors

ASCOLOY
INIS: Apr 2000; ETDE: Dec 1974
*BT1 carbon additions
*BT1 chromium alloys
*BT1 iron base alloys
*BT1 manganese additions
*BT1 nickel alloys
*BT1 silicon additions

ASCORBIC ACID
UF *vitamin c*
BT1 vitamins
RT redox process

ASDEX TOKAMAK
INIS: Mar 1977; ETDE: Apr 1977
*BT1 tokamak devices

ASH CONTENT
INIS: Mar 1992; ETDE: May 1984
RT ashes
RT chemical composition
RT coal

ash separators
Use inertial separators

ASHES
INIS: Feb 1976; ETDE: Apr 1975
BT1 combustion products
BT1 residues
NT1 fly ash
RT ash content
RT deashing
RT particulates
RT solid wastes

ashing (dry)
Use dry ashing

ashing (wet)
Use wet ashing

asi
Use adiabatic surface ionization

ASIA
NT1 afghanistan
NT1 armenia
NT1 azerbaijan
NT1 bahrain
NT1 bangladesh
NT1 bhutan
NT1 brunei
NT1 cambodia
NT1 china
NT2 taiwan
NT2 tibet
NT1 hong kong
NT1 india
NT1 indonesia
NT1 iran
NT1 iraq
NT1 israel
NT1 japan
NT2 hachimantai
NT2 hiroshima
NT2 nagasaki
NT1 jordan
NT1 kazakhstan
NT1 kuwait
NT1 kyrgyzstan
NT1 laos
NT1 lebanon
NT1 macao
NT1 malaysia
NT1 mongolian peoples republic
NT1 myanmar
NT1 nepal
NT1 north korea
NT1 oman
NT1 pakistan
NT1 philippines
NT1 qatar
NT1 republic of georgia
NT1 republic of korea
NT1 saudi arabia
NT1 siberia
NT1 singapore
NT1 sri lanka
NT1 syria
NT1 tajikistan
NT1 thailand
NT1 turkey
NT1 turkmenistan
NT1 united arab emirates
NT1 uzbekistan
NT1 viet nam
NT1 yemen
RT arab countries

asparagic acid
Use aspartic acid

ASPARAGINE
UF *agedoite*
UF *althein*
UF *aminosuccinamic acid-alpha*
UF *asparagine-beta*
UF *asparamide*
*BT1 amides
*BT1 amino acids
RT aspartic acid

asparagine-beta
Use asparagine

asparaginic acid
Use aspartic acid

asparamide
Use asparagine

ASPARTIC ACID
UF *aminosuccinic acid*
UF *asparagic acid*
UF *asparaginic acid*
*BT1 amino acids
RT asparagine
RT succinic acid

ASPECT RATIO
RT closed plasma devices
RT plasma
RT tori

ASPENS
INIS: Jan 1992; ETDE: Aug 1976
*BT1 poplars
RT cottonwoods

ASPERGILLUS
*BT1 eumycota
RT aflatoxins

ASPHALT RIDGE DEPOSIT
INIS: Apr 2000; ETDE: May 1977
*BT1 oil sand deposits
RT oil sands
RT utah

ASPHALTENES
INIS: Apr 1984; ETDE: Jan 1975
(Dark, solid constituents of crude oils and other bitumens which are soluble in carbon disulfide but insoluble in paraffin naphthas; they hold most of the organic constituents of bitumens.)
RT asphalts

ASPHALTITE
*BT1 other organic compounds
RT bitumens

ASPHALTS
*BT1 bitumens
RT asphaltenes
RT pavements
RT road oils

aspirin
Use acetylsalicylic acid

assaying (qualitative)
Use qualitative chemical analysis

assaying (quantitative)
Use quantitative chemical analysis

ASSE SALT MINE
INIS: May 1988; ETDE: Aug 1987
(Underground test facility in the Federal Republic of Germany for research and development in the field of radioactive waste storage and disposal.)
*BT1 mines
*BT1 radioactive waste facilities
RT federal republic of germany
RT salt deposits
RT underground disposal

assessments
Use charges

assets
Use financial data

assignments
Use allocations

assistance in nuclear accident/radiological emergency conv.
Use canare

ASSOCIATED GAS
INIS: Sep 1992; ETDE: Mar 1978
(Gaseous hydrocarbons occurring as a free-gas phase under original reservoir conditions of pressure and temperature.)
*BT1 gases
RT oil fields
RT petroleum deposits

ast-1 reactor
Use arbus reactor

ASTAR 811C
INIS: Apr 2000; ETDE: Dec 1974
*BT1 hafnium additions
*BT1 tantalum base alloys
*BT1 tungsten alloys

ASTATINATION
INIS: Sep 1983; ETDE: Sep 1983
*BT1 halogenation

ASTATINE
*BT1 halogens

ASTATINE 191
Nov 2003
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

ASTATINE 193
Nov 2003
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

ASTATINE 194
INIS: Nov 1985; ETDE: May 1984
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

ASTATINE 195
*BT1 astatine isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

ASTATINE 196
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

ASTATINE 197
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

ASTATINE 198
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ASTATINE 199
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

ASTATINE 200
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ASTATINE 201
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

ASTATINE 202
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ASTATINE 203
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

ASTATINE 204
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

ASTATINE 205
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

ASTATINE 206
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

ASTATINE 207
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 odd-even nuclei

ASTATINE 208
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei

ASTATINE 209
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 odd-even nuclei

ASTATINE 210
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei

ASTATINE 211
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 odd-even nuclei

ASTATINE 212
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

ASTATINE 212 TARGET
INIS: Sep 1992; ETDE: Nov 1977
BT1 targets

ASTATINE 213
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 heavy nuclei
*BT1 nanoseconds living radioisotopes
*BT1 odd-even nuclei

ASTATINE 214
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 heavy nuclei
*BT1 nanoseconds living radioisotopes
*BT1 odd-odd nuclei

ASTATINE 215
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 heavy nuclei
*BT1 microseconds living radioisotopes
*BT1 odd-even nuclei

ASTATINE 216
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 heavy nuclei
*BT1 microseconds living radioisotopes
*BT1 odd-odd nuclei

ASTATINE 217
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

ASTATINE 218
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ASTATINE 219
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

ASTATINE 220
INIS: Apr 1989; ETDE: May 1989
*BT1 alpha decay radioisotopes
*BT1 astatine isotopes
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

ASTATINE 221
INIS: May 1989; ETDE: Jun 1989
*BT1 astatine isotopes
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

ASTATINE 222
INIS: May 1989; ETDE: Jun 1989
*BT1 astatine isotopes
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ASTATINE 223
INIS: May 1989; ETDE: Jun 1989
*BT1 astatine isotopes
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

astatine additions
Use alloys

astatine bromides
Use astatine compounds
AND bromides

ASTATINE CHLORIDES
*BT1 astatine compounds
*BT1 chlorides

ASTATINE COMPLEXES
BT1 complexes

ASTATINE COMPOUNDS
UF+ *astatine bromides*
UF+ *astatine iodides*
BT1 halogen compounds
NT1 astatine chlorides

astatine iodides
Use astatine compounds
AND iodides

ASTATINE IONS
*BT1 ions

ASTATINE ISOTOPES
BT1 isotopes
NT1 astatine 191
NT1 astatine 193
NT1 astatine 194
NT1 astatine 195
NT1 astatine 196
NT1 astatine 197
NT1 astatine 198
NT1 astatine 199
NT1 astatine 200
NT1 astatine 201
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NT1 astatine 218
NT1 astatine 219
NT1 astatine 220
NT1 astatine 221
NT1 astatine 222
NT1 astatine 223

ASTEROIDS
RT planets
RT solar system

ASTHMA
INIS: Feb 1978; ETDE: Oct 1976
*BT1 respiratory system diseases
RT immune system diseases

ASTR REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *aerospace system test reactor*
UF *aircraft shield test reactor*
UF *fort worth astr reactor*
*BT1 test reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

ASTRA REACTOR
(Oesterreichisches Forschungszentrum Seibersdorf GmbH.)
UF *adapted swimming pool reactor austria*
UF *austrian research reactor*
UF *swimming pool tank reactor austria*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors
RT seibersdorf research centre

ASTRID STORAGE RING
INIS: May 1992; ETDE: Aug 1994
(Aarhus University, Denmark.)
BT1 storage rings

ASTROCYTOMAS
INIS: Sep 1992; ETDE: Jan 1981
(Until September 1992, this concept was indexed by NEOPLASMS.)
*BT1 gliomas

ASTROLOY
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-ni55co17cr15mo5al4ti4
*BT1 carbon additions

ASTRON
*BT1 closed plasma devices

ASTRON SATELLITES
INIS: Jun 1985; ETDE: Jul 1985
BT1 satellites

ASTRONAUTS
BT1 personnel
RT aviation personnel

ASTRONOMY
NT1 gamma astronomy
NT1 radioastronomy
RT astrophysics
RT eclipse
RT stars

ASTROPHYSICS
BT1 physics
RT astronomy
RT chandrasekhar theory
RT cosmology
RT force-free magnetic fields
RT galactic evolution
RT red shift

ASYMMETRY
UF+ *skewness*
NT1 east-west asymmetry
NT1 north-south asymmetry
RT anisotropy
RT asymmetry coefficients
RT configuration
RT distribution
RT orientation
RT symmetry

ASYMMETRY COEFFICIENTS
RT asymmetry

asymptotic conditions
Use boundary conditions

ASYMPTOTIC SOLUTIONS
BT1 mathematical solutions
RT boundary conditions
RT limiting fragmentation
RT mathematical evolution

ATC DEVICES
UF *adiabatic toroidal compressors*
*BT1 tokamak devices

atf-1 torsatron
Use atf torsatron

ATF TORSATRON
INIS: Apr 1984; ETDE: Jul 1983
UF *advanced toroidal facility torsatron*
UF *atf-1 torsatron*
*BT1 torsatron stellarators

atgas process
Use coal gasification

ATHABASCA DEPOSIT
INIS: Jun 1992; ETDE: Apr 1975
*BT1 oil sand deposits
RT alberta
RT canada
RT oil sands

ATHABASCA LAKE
*BT1 lakes
RT alberta
RT saskatchewan

ATHENE REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *argonaut eindhoven reactor*
UF *atoomreactor technische hogeschool eindhoven nederland*
UF *eindhoven argonaut reactor*
*BT1 argonaut type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

atherosclerosis
Use arteriosclerosis

ATLANTA
INIS: Jun 1992; ETDE: Oct 1977
*BT1 georgia
BT1 urban areas

ATLANTIC-1 REACTOR
*BT1 pwr type reactors
RT offshore nuclear power plants

ATLANTIC-2 REACTOR
*BT1 pwr type reactors
RT offshore nuclear power plants

ATLANTIC OCEAN
*BT1 seas
NT1 baltimore canyon
NT1 bay of biscay
NT1 bay of fundy
NT1 biscayne bay
NT1 caribbean sea
NT2 gulf of mexico
NT3 galveston bay
NT3 san antonio bay
NT1 chesapeake bay
NT1 delaware bay
NT1 gulf of maine
NT1 irish sea
NT1 long island sound
NT1 mid-atlantic bight
NT2 new york bight
NT1 north sea
NT2 wadden sea
NT1 onslow bay
NT1 sargasso sea
NT1 south atlantic bight
NT1 weddell sea
RT bahama islands
RT bermuda
RT cape verde islands
RT faeroe islands
RT georges bank
RT gulf stream
RT iceland
RT mid-atlantic ridge
RT newfoundland
RT prince edward island
RT us east coast

atlas computers
Use computers

atlas rockets
Use rockets

ATLAS SUPERCONDUCTING LINAC
INIS: Nov 1985; ETDE: Apr 1985
(Argonne Tandem/Linear Accelerator.)
UF *argonne superconducting linac*
UF *argonne tandem/linear accelerator*
*BT1 hilacs

ATMOSPHERES
(Not for concepts covered by EARTH ATMOSPHERE.)
NT1 controlled atmospheres
NT2 inert atmosphere
NT3 cover gas
NT1 planetary atmospheres
NT2 planetary ionospheres
NT2 planetary magnetospheres
NT1 satellite atmospheres
NT2 lunar atmosphere
NT1 stellar atmospheres
NT2 solar atmosphere
NT3 chromosphere
NT3 heliosphere
NT3 photosphere
NT3 solar corona
NT2 stellar chromospheres
NT2 stellar coronae
NT3 solar corona
NT2 stellar magnetospheres

ATMOSPHERIC CHEMISTRY
INIS: May 1981; ETDE: Jun 1979
(Study of the production, transport, modification, and removal of atmospheric constituents in the troposphere and stratosphere.)
BT1 chemistry
RT air pollution
RT greenhouse gases
RT ozone
RT photochemical reactions
RT photochemistry
RT smog

ATMOSPHERIC CIRCULATION
INIS: Sep 1991; ETDE: Aug 1982
(Global or hemispheric air movements which can be treated by equations of motion, in contrast to atmospheric diffusion which is small random movement not amenable to treatment by these equations.)
RT air flow
RT box models
RT climate models
RT climates
RT currents
RT earth atmosphere
RT general circulation models
RT meteorology
RT southern oscillation
RT wind

ATMOSPHERIC EXPLOSIONS
UF+ *annie event*
UF+ *argus event*
UF+ *boltzmann event*
UF+ *harry event*
UF+ *orange event*
UF+ *romeo event*
UF+ *smoky event*
UF+ *starfish event*
UF+ *teak event*
UF+ *tewa event*
UF+ *yankee event*
BT1 explosions
NT1 ranger project
NT1 trinity event
RT castle project
RT crossroads project
RT dominic project
RT earth atmosphere
RT little boy
RT nuclear explosion detection
RT nuclear explosions
RT redwing project

atmospheric exposure chambers
Use exposure chambers

atmospheric inversion
Use temperature inversions

ATMOSPHERIC PRECIPITATIONS
UF *precipitations (atmospheric)*
NT1 hail
NT1 rain
NT2 acid rain
NT1 snow
RT aitken nuclei
RT climates
RT clouds
RT droplets
RT droughts
RT earth atmosphere
RT environmental materials
RT fallout
RT fog
RT ground water
RT hydrosphere
RT interception
RT meteorology
RT rain water
RT runoff
RT seasons
RT storms
RT surface waters
RT throughfall
RT washout
RT weather

ATMOSPHERIC PRESSURE
INIS: Jun 1992; ETDE: Jul 1979
RT earth atmosphere
RT pressure measurement
RT southern oscillation

atmospheric temperature
Use ambient temperature

ATMOSPHERICS
UF *sferics*
*BT1 radio noise
RT whistlers

ATOM-ATOM COLLISIONS
*BT1 atom collisions
RT electron exchange

ATOM COLLISIONS
BT1 collisions
NT1 atom-atom collisions
NT1 atom-molecule collisions
NT1 electron-atom collisions
NT1 ion-atom collisions
NT1 muon-atom collisions
NT1 photon-atom collisions
NT1 positron-atom collisions
RT atomic physics

ATOM-MOLECULE COLLISIONS
*BT1 atom collisions
*BT1 molecule collisions
RT electron exchange

ATOM TRANSPORT
INIS: Sep 1975; ETDE: Jun 1975
UF *transport (atoms)*
*BT1 neutral-particle transport
RT atoms
RT diffusion
RT mass transfer
RT transport theory

atomic absorption spectroscopy
Use absorption spectroscopy

ATOMIC BEAM DIFFRACTION
INIS: Sep 1975; ETDE: Oct 1975
*BT1 diffraction
RT crystallography

ATOMIC BEAM SOURCES
INIS: Sep 1977; ETDE: Nov 1977
BT1 neutral beam sources
RT atomic beams
RT beam injection heating
RT ion sources
RT neutral atom beam injection

ATOMIC BEAMS
UF+ *abmr method*
BT1 beams
RT atomic beam sources
RT beam strippers

atomic bombs
Use nuclear weapons

ATOMIC CLOCKS
RT electronic equipment
RT time interval analyzers
RT time measurement

atomic clouds
Use radioactive clouds

ATOMIC CLUSTERS
INIS: Oct 1992; ETDE: Nov 1992
RT cluster beams
RT fullerenes
RT ion pairs

ATOMIC DISPLACEMENTS
INIS: Nov 1982; ETDE: Feb 1983
(From September 1979 till February 1997 DISPLACEMENT RATES was a valid ETDE descriptor.)
UF *displacements (atomic)*
UF *dpa*
SF *displacement rates*
*BT1 physical radiation effects

atomic energy
Use nuclear energy

ATOMIC ENERGY ACT
INIS: Apr 2000; ETDE: Apr 1980
*BT1 atomic energy laws

ATOMIC ENERGY AGREEMENTS
*BT1 international agreements

ATOMIC ENERGY CONTROL
BT1 control
NT1 international control
NT1 national control
RT atomic energy laws
RT legal aspects
RT safeguards

atomic energy control board (canada)
Use canadian aecb

atomic energy law
Use atomic energy laws

ATOMIC ENERGY LAWS
(Prior to December 1990, in INIS this was spelled ATOMIC ENERGY LAW.)
UF *atomic energy law*
BT1 laws
NT1 atomic energy act
NT1 nuclear waste policy acts
RT atomic energy control
RT secrecy protection

ATOMIC ENERGY OF CANADA LTD
INIS: Mar 1977; ETDE: Nov 1977
UF *aecl*
*BT1 canadian organizations
NT1 chalk river nuclear labs
NT1 wnre

atomic energy research establishment
Use aere

atomic explosions
Use nuclear explosions

atomic fluorescence spectroscopy
Use fluorescence spectroscopy

ATOMIC FORCE MICROSCOPY
INIS: Jul 1999; ETDE: Sep 1999
(Technique used to study surface properties of materials from atomic to micron level. A sharp tip, on a cantilever spring, is scanned over a surface; a detector measures the cantilever deflection.)
UF *afm*
UF+ *magnetic force microscopy*
BT1 microscopy
RT scanning tunneling microscopy

ATOMIC IONS
INIS: Nov 1975; ETDE: Dec 1975
(Coordinate the above descriptor with a descriptor for the appropriate specific ion.)
UF *ions (atomic)*
*BT1 ions

ATOMIC MODELS
UF *models (atomic)*
UF+ *molecular orbital model*
BT1 mathematical models
NT1 thomas-fermi model
RT atomic physics
RT atomic radii
RT bohr theory
RT configuration interaction
RT electron correlation
RT electronic structure
RT harmonic oscillator models
RT hartree-fock method
RT optical models
RT self-consistent field
RT single-particle model

ATOMIC NUMBER
UF *nuclear charge*
RT periodic system
RT stopping power

ATOMIC PHYSICS
INIS: Jun 1983; ETDE: Aug 1982
(Use only for indexing articles of very broad coverage, such as annual reviews, text books, etc.)
BT1 physics
RT atom collisions
RT atomic models

atomic power company main yankee
Use maine yankee reactor

ATOMIC RADII
RT atomic models
RT electronic structure

atomic shells
Use electronic structure

atomic shells (k)
Use k shell

atomic shells (l)
Use l shell

atomic shells (m)
Use m shell

atomic shells (n)
Use n shell

atomic weapons
Use nuclear weapons

atomic weight
See mass number

atomics international aqueous carbonate process
Use desulfurization

ATOMICS INTERNATIONAL CANOGA PARK PLANT
INIS: Sep 1977; ETDE: Nov 1976
*BT1 us doe
*BT1 us erda
RT california

atomics international l-77 reactor
Use ai-l-77 reactor

atomics international molten salt process
Use molten salt coal gasification process

atomics international prototype fast reactor
Use aipfr reactor

atomics international reduction oxidation dry reprocessing
Use airox process

ATOMIZATION
RT aerosols
RT droplets
RT fuel injection systems
RT sprays

ATOMKI
INIS: Apr 1986; ETDE: Apr 1986
UF *mta atommagkutato intezete*
*BT1 hungarian organizations

atomki cyclotron
Use debrecen cyclotron

atomkraftwerk muehleberg
Use muehleberg reactor

atomkraftwerk rheinsberg akw1 reaktor
Use rheinsberg akw1 reactor

ATOMS
NT1 hadronic atoms
NT2 mesic atoms
NT3 kaonic atoms
NT3 pionic atoms
NT2 protonium
NT1 isoelectronic atoms
NT1 muonic atoms
RT atom transport
RT aufbau principle
RT fundamental constants
RT kihara potential
RT matrix isolation
RT muonium
RT positronium
RT superradiance

atoomreactor technische hogeschool eindhoven nederland
Use athene reactor

ATP
UF *adenosine triphosphate*
*BT1 nucleotides
RT adenines
RT adenosine
RT atp-ase

ATP-ASE
(Code numbers 3.6.1.3 and 3.6.1.8.)
UF *adenosine triphosphatase*
*BT1 phosphohydrolases
RT atp

ATPR REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *triga-mk-f prototype reactor*

SF *triga-mk-3 reactor*
*BT1 isotope production reactors
*BT1 pulsed reactors
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 training reactors
*BT1 triga type reactors

ATR REACTOR
(E.G. and G. Idaho, Inc., Idaho Falls, Idaho, USA)
UF *advanced test idaho reactor*
UF *idaho advanced test reactor*
*BT1 enriched uranium reactors
*BT1 materials testing reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

ATRC REACTOR
UF *advanced test reactor critical facility*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 pool type reactors
*BT1 thermal reactors

ATRIA
INIS: Aug 1992; ETDE: Nov 1981
RT buildings

atropa belladonna
Use magnoliopsida
AND medicinal plants

ATROPHY
BT1 pathological changes

ATROPINE
*BT1 alkaloids
*BT1 parasympatholytics

ATS SATELLITES
BT1 satellites

ATSR REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *argonne thermal source reactor*
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

ATTACHED GREENHOUSES
INIS: Aug 1992; ETDE: Feb 1979
*BT1 greenhouses
RT passive solar heating systems

ATTAPULGITE
INIS: May 1980; ETDE: Jul 1979
*BT1 clays
RT fullers earth

ATTENUATION
(In classical physics only. For reducing the intensity of waves and submolecular particles when passing through matter employing classical physics use the above descriptor, when employing quantum physics use ABSORPTION. For attenuation cross sections, see also TOTAL CROSS SECTIONS.)
RT acoustic esr
RT acoustic nmr
RT damping
RT energy losses
RT opacity
RT transmission

ATTICS
INIS: Apr 2000; ETDE: Mar 1979
(The parts of buildings immediately below the roof and entirely or partly within the roof framing.)
RT buildings

attitude control
Use control
AND orientation

ATTITUDES
INIS: Dec 1985; ETDE: Apr 1980
NT1 safety culture
RT behavior
RT human factors
RT learning
RT public anxiety
RT public opinion

attitudes of the public
Use public opinion

ATTRACTORS
INIS: Feb 1987; ETDE: Nov 1990
NT1 limit cycle
RT phase space
RT randomness
RT turbulence

atucha-1 reactor
Use atucha reactor

ATUCHA-2 REACTOR
INIS: Feb 1980; ETDE: Mar 1980
(Lima, Buenos Aires, Argentina)
*BT1 natural uranium reactors
*BT1 phwr type reactors
*BT1 pressure tube reactors
*BT1 thermal reactors

ATUCHA REACTOR
(Lima, Buenos Aires, Argentina)
UF *atucha-1 reactor*
UF *central nuclear en atucha reactor*
UF *cna reactor*
*BT1 natural uranium reactors
*BT1 phwr type reactors
*BT1 pressure tube reactors
*BT1 thermal reactors

ATWS
INIS: Sep 1975; ETDE: Feb 1975
(Anticipated Transients Without Scram)
*BT1 design basis accidents
RT scram
RT transients

AU SABLE RIVER
INIS: Apr 2000; ETDE: Dec 1980
*BT1 rivers
RT hydroelectric power plants
RT michigan

AUBE PLANT
INIS: Apr 1993; ETDE: Nov 1992
UF *soulaines plant*
*BT1 radioactive waste facilities

AUC
INIS: Nov 1979; ETDE: Nov 1979
UF *ammonium uranyl carbonates*
*BT1 ammonium carbonates
*BT1 uranyl compounds

audible alarm
Use alarm systems

AUDITORY ORGANS
UF *ears*
UF+ *labyrinth*
*BT1 sense organs
RT vestibular apparatus

AUDITS
INIS: Dec 1985; ETDE: Nov 1979
(Documented activities undertaken to determine the adequacy of or the adherence to established procedures, instructions, specifications, codes, standards, etc., and the effectiveness of implementation.)
NT1 compliance audits
NT1 energy audits
RT accounting
RT debt collection
RT evaluation
RT inspection
RT licensing
RT management
RT quality assurance
RT us doe inspector general
RT verification

AUFBAU PRINCIPLE
UF *aufbauprinzip*
RT atoms
RT electronic structure

aufbauprinzip
Use aufbau principle

AUFWUCHS
INIS: Apr 1984; ETDE: Apr 1977
(Organisms attached to or moving upon a submerged substrate.)
UF *periphyton*
BT1 aquatic organisms

AUGER EFFECT
(Includes all particles, processes, and spectra associated with the auger effect.)
NT1 coster-kronig transitions
RT auger electron spectroscopy
RT autoionization
RT electron emission
RT energy-level transitions
RT inner-shell ionization

AUGER ELECTRON SPECTROSCOPY
*BT1 electron spectroscopy
RT auger effect

AUGER MINING
INIS: Apr 2000; ETDE: Mar 1977
BT1 mining
RT hydraulic mining
RT mining engineering
RT mining equipment
RT surface mining

AUGMENTATION
INIS: Dec 1985; ETDE: Jul 1979
(Increasing or making more numerous, larger, or more intense, e.g., augmentation of heat transfer.)
UF *increasing*
RT expansion
RT growth
RT minimization
RT optimization
RT shrinkage

aurabon process
Use refining

aurates
Use gold compounds
AND oxygen compounds

aurin
Use polyphenols

AND triphenylmethane dyes

aurintricarboxylic acid
Use hydroxy acids
AND triphenylmethane dyes

AURORA FACILITY
INIS: Jan 1986; ETDE: Sep 1985
(Large KrF laser facility at Los Alamos.)
RT antares facility
RT icf devices
RT inertial confinement
RT krypton fluoride lasers
RT lanl
RT laser fusion reactors

AURORAE
NT1 midday aurorae
NT1 polar-cap aurorae
RT airglow
RT auroral oval
RT auroral zones
RT charged-particle precipitation
RT electron precipitation
RT harang discontinuity
RT night sky
RT proton precipitation
RT trapped protons

auroral electrojets
Use electrojets

AURORAL HISS
*BT1 electromagnetic radiation
RT ionosphere
RT whistlers

AURORAL OVAL
NT1 harang discontinuity
RT aurorae
RT auroral zones
RT charged-particle precipitation
RT electron precipitation
RT ionosphere
RT midday aurorae
RT polar cusp
RT polar-cap aurorae
RT proton precipitation

auroral substorms
Use magnetic bays

AURORAL ZONES
UF *zones (auroral)*
RT antarctic regions
RT arctic regions
RT aurorae
RT auroral oval
RT ionosphere
RT midday aurorae
RT polar-cap aurorae

AUSTENITE
(A solid solution of carbon in gamma-iron)
*BT1 carbon additions
*BT1 iron alloys
RT austenitic steels
RT decarburization
RT iron-gamma
RT martensite
RT solid solutions

AUSTENITIC STEELS
INIS: Aug 1978; ETDE: Feb 1978
(Steels having at room temperature a microstructure consisting, at least predominantly, of austenite. Their austenitic microstructure is attained above all by alloying conditions, e.g., Mn for Ni. Prior to February, 1978 STEELS and AUSTENITE were used to index this concept in ETDE.)
UF+ *stainless steel-330*
UF+ *steel-13cr6nimo*
UF+ *steel-40kh13n8g8*
UF+ *steel-cr13mn8ni8*
UF+ *steel-cr13ni6mo-l*
UF+ *steel-ni17cr14moti-l*
UF+ *steel-ni36cr18*
*BT1 steels
NT1 steel-cr15ni15motib
NT1 steel-cr16ni13monbv
NT1 steel-cr16ni15mo3nb
NT1 steel-cr16ni16monb
NT1 steel-cr16ni8mo2
NT2 stainless steel-16-8-2
NT1 steel-cr17ni12mo3
NT2 stainless steel-316
NT1 steel-cr17ni12mo3-l
NT2 stainless steel-316l
NT2 stainless steel-zcnd17-13
NT1 steel-cr17ni12monb
NT1 steel-cr17ni13
NT1 steel-cr17ni13mo2ti
NT1 steel-cr17ni13mo3ti
NT1 steel-cr17ni7
NT2 stainless steel-301
NT1 steel-cr18ni10
NT2 stainless steel-18-10
NT1 steel-cr18ni10-l
NT1 steel-cr18ni10ti
NT2 stainless steel-321
NT1 steel-cr18ni11
NT2 steel-x6crni1811
NT1 steel-cr18ni11nb
NT2 stainless steel-347
NT1 steel-cr18ni11nbco
NT2 stainless steel-348
NT1 steel-cr18ni12
NT2 stainless steel-305
NT1 steel-cr18ni12ti
NT1 steel-cr18ni8
NT2 stainless steel-18-8
NT1 steel-cr18ni9
NT2 stainless steel-302
NT1 steel-cr18ni9ti
NT1 steel-cr19ni10
NT2 stainless steel-304
NT1 steel-cr19ni10-l
NT2 stainless steel-304l
NT1 steel-cr20ni11
NT2 stainless steel-308
NT1 steel-cr20ni11-l
NT2 stainless steel-308l
NT1 steel-cr21mn9ni6
NT2 stainless steel-21-6-9
NT1 steel-cr23ni14
NT2 stainless steel-309
NT2 stainless steel-309s
NT1 steel-cr23ni18
NT1 steel-cr25ni20
NT2 alloy-hk-40
NT2 stainless steel-310
NT1 steel-ni25cr20
NT2 stainless steel-20-25
NT1 steel-ni26cr15ti2movalb
NT2 alloy-a-286
RT austenite
RT corrosion resistant alloys
RT heat resisting alloys

AUSTRALASIA
NT1 australia
NT2 new south wales
NT2 northern territory
NT2 queensland
NT2 south australia
NT2 tasmania
NT2 victoria
NT2 western australia
NT1 new guinea
NT2 papua new guinea
NT1 new zealand

AUSTRALIA
UF+ *bass strait*
BT1 australasia
BT1 developed countries
NT1 new south wales
NT1 northern territory
NT1 queensland
NT1 south australia
NT1 tasmania
NT1 victoria
NT1 western australia
RT mary kathleen mines
RT new guinea
RT oceania
RT oecd
RT rum jungle mine
RT tasman sea
RT timor sea

australian atomic energy commission
Use ansto

australian moata reactor
Use moata reactor

AUSTRALIAN ORGANIZATIONS
INIS: Feb 1978; ETDE: May 1977
BT1 national organizations
NT1 ansto

australites
Use tektites

AUSTRIA
BT1 developed countries
*BT1 western europe
RT alps
RT ctbto
RT danube river
RT iaea
RT oecd
RT rhine river
RT unido

AUSTRIAN ORGANIZATIONS
INIS: Dec 1980; ETDE: Jan 1981
BT1 national organizations
NT1 seibersdorf research centre

austrian research center seibersdorf
Use seibersdorf research centre

austrian research reactor
Use astra reactor

austrian triga-mark-ii reactor
Use triga-2-vienna reactor

austrian triga-mk-2 reactor
Use triga-2-vienna reactor

AUTOCLAVES
RT laboratory equipment
RT pressure vessels

AUTOHYDROLYSIS
INIS: Apr 2000; ETDE: Oct 1984
(The use of heat or steam in the pretreatment of biomass to enhance subsequent conversion processes.)
UF *steam explosion process*
BT1 heat treatments
*BT1 hydrolysis
RT biomass

AUTOIONIZATION
BT1 ionization
RT auger effect
RT inner-shell ionization

AUTOLYSIS
*BT1 decomposition
NT1 autoradiolysis
RT enzymes

AUTOMATION
RT computer-aided manufacturing
RT distance
RT dna sequencers
RT man-machine systems
RT reactor control systems
RT remote handling
RT work

automobile efficiency standards
Use automobiles
AND efficiency
AND standards

automobile exhaust reactors
Use afterburners

automobile industry
Use automotive industry

AUTOMOBILES
UF *cars*
UF+ *automobile efficiency standards*
BT1 vehicles
RT afterburners
RT automotive accessories
RT carpooling
RT catalytic converters
RT exhaust gases
RT exhaust recirculation systems
RT ignition systems
RT mechanical transmissions
RT motor vehicle operators
RT occupants
RT pcv systems
RT rankine cycle engines
RT road tests
RT spark ignition engines
RT stratified charge engines
RT taxicabs
RT vans

AUTOMOTIVE ACCESSORIES
INIS: Apr 2000; ETDE: Sep 1981
RT air conditioning
RT alternators
RT automobiles
RT blowers
RT pumps

AUTOMOTIVE FUELS
INIS: Sep 1991; ETDE: Jan 1975
BT1 fuels
RT alcohol fuels
RT ethanol fuels
RT fuel consumption
RT gasohol
RT gasoline
RT gasoline service stations
RT hydrogen fuels
RT kerosene
RT knock control
RT liquid fuels
RT methanol fuels

AUTOMOTIVE INDUSTRY
INIS: Mar 1992; ETDE: May 1980
UF *automobile industry*
BT1 industry
RT aaps

AUTONOMIC NERVOUS SYSTEM
UF *parasympathetic nervous system*
UF *sympathetic nervous system*
UF+ *sympathectomy*
BT1 nervous system
NT1 vagus
RT autonomic nervous system agents
RT ganglions
RT hypothalamus
RT parasympatholytics
RT parasympathomimetics
RT radiation syndrome
RT sympatholytics
RT sympathomimetics

AUTONOMIC NERVOUS SYSTEM AGENTS
INIS: May 1984; ETDE: Apr 1981
BT1 drugs
NT1 neuroregulators
NT2 acetylcholine
NT2 adrenaline
NT2 aminobutyric acid
NT2 dopa
NT2 dopamine
NT2 endorphins
NT3 enkephalins
NT2 noradrenaline
NT2 serotonin
NT3 bufotenine
NT1 parasympatholytics
NT2 atropine
NT2 nicotine
NT1 parasympathomimetics
NT2 acetylcholine
NT2 eserine
NT2 nicotine
NT2 pilocarpine
NT1 spiperone
NT1 sympatholytics
NT2 ergotamine
NT2 reserpine
NT1 sympathomimetics
NT2 adrenaline
NT2 amphetamines
NT3 benzedrine
NT2 dopamine
NT2 ephedrine
NT2 noradrenaline
NT2 serotonin
NT3 bufotenine
NT2 tyramine
RT autonomic nervous system

AUTOPSY
BT1 diagnostic techniques
RT biopsy
RT pathology

autoradiographs
Use images

AUTORADIOGRAPHY
UF *radioautography*
UF *radiography (auto)*
UF+ *alpha autoradiography*
RT ceramography
RT diagnostic techniques
RT industrial radiography
RT labelled compounds
RT nondestructive testing
RT nuclear emulsions
RT tracer techniques

AUTORADIOLYSIS
*BT1 autolysis
*BT1 radiolysis
RT labelled compounds
RT self-irradiation

AUTOTHERMAL REFORMER PROCESSES
INIS: Apr 2000; ETDE: Mar 1981
(Air, steam, and hydrocarbon fuel are fed into a furnace and partial oxidation of the hydrocarbon provides the heat for steam reforming of the hydrocarbon.)
UF *adiabatic reformer processes*
*BT1 reformer processes
RT hydrogen production
RT partial oxidation processes

AUTOTROPHS
INIS: Apr 2000; ETDE: Mar 1979
(Organisms capable of synthesizing organic nutrients directly from simple inorganic substances such as carbon dioxide and inorganic nitrogen.)
RT microorganisms
RT single cell protein
RT synthetic fuels

AUTUNITE
*BT1 phosphate minerals
*BT1 uranium minerals

AUXILIARY HEATING
INIS: Aug 1984; ETDE: Oct 1975
*BT1 space heating
RT auxiliary systems

AUXILIARY SYSTEMS
INIS: Dec 1985; ETDE: Jan 1975
(May be used in any field.)
NT1 auxiliary water systems
NT2 condenser cooling systems
RT auxiliary heating
RT remote handling equipment

AUXILIARY WATER SYSTEMS
INIS: Apr 1976; ETDE: Jan 1975
(For service water systems or other water systems not intended to be part of the cooling or moderating water system of a reactor.)
UF *component cooling systems*
UF *refueling water systems*
UF *service water systems*
BT1 auxiliary systems
NT1 condenser cooling systems
RT coolant loops
RT discharge canals
RT drinking water
RT feedwater
RT intake canals
RT reactor cooling systems

AUXINS
BT1 plant growth regulators
RT abscisic acid
RT gibberellic acid

AVAILABILITY
UF *supply*
RT allocations
RT demand
RT domestic supplies
RT economics
RT energy sources
RT geologic deposits

RT inventories
RT ore composition
RT outages
RT production
RT shortages

avalanche multiplication
Use townsend discharge

AVALANCHE QUENCHING
INIS: Jul 1978; ETDE: Jan 1975
UF *quenching (avalanche)*
RT geiger-mueller counters
RT ionization chambers
RT proportional counters
RT townsend discharge

avena
Use oats

average magnetic well
Use minimum average-b configurations

avg process
Use coal gasification

aviation fuels
See gasoline
OR jet engine fuels

AVIATION PERSONNEL
BT1 personnel
RT astronauts
RT military personnel

AVIDIN
INIS: Apr 2002; ETDE: Nov 1999
*BT1 glycoproteins

avlis
Use laser isotope separation

AVOCADOS
INIS: Jun 1983; ETDE: Jan 1975
*BT1 fruits
RT fruit trees

AVOGADRO RS-1 REACTOR
(Saluggia, Italy)
UF *arsi reactor*
UF *rsi avogadro reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

AVOIDANCE
(Limited to living systems.)
BT1 behavior
RT conditioned reflexes

AVR REACTOR
(Juelich, Federal Republic of Germany)
UF *arbeitsgemeinschaft versuchsreaktor*
*BT1 enriched uranium reactors
*BT1 helium cooled reactors
*BT1 htgr type reactors
*BT1 pebble bed reactors
*BT1 power reactors
*BT1 thermal reactors
*BT1 thorium reactors

AWARDS
INIS: Apr 2000; ETDE: Jan 1981
(Recognition of outstanding achievement or performance.)
UF *enrico fermi award*
UF *ernest orlando lawrence award*

AWAY-FROM-REACTOR STORAGE
INIS: Apr 1980; ETDE: May 1979
UF *afr storage*
*BT1 spent fuel storage
RT after-heat
RT dry storage
RT fuel storage pools
RT waste transportation

axerophtol
Use vitamin a

AXIAL RATIO
RT crystal structure

AXIAL SYMMETRY
BT1 symmetry
RT kerr field
RT rotational invariance

AXIAL-VECTOR CURRENTS
*BT1 algebraic currents
RT pcac theory
RT v-a theory
RT vector currents

AXIAL VECTOR MESONS
INIS: Dec 1987; ETDE: Jan 1988
(Mesons with spin and parity 1+.)
UF *pseudovector mesons*
*BT1 mesons
NT1 a1-1260 mesons
NT1 b1-1235 mesons
NT1 chi b1-9890 mesons
NT1 chi1-3510 mesons
NT1 d s-2536 mesons
NT1 d1-2420 mesons
NT1 f1-1285 mesons
NT1 f1-1420 mesons
NT1 f1-1510 mesons
NT1 h1-1170 mesons
NT1 k1-1270 mesons
NT1 k1-1400 mesons

AXIOMATIC FIELD THEORY
INIS: Nov 1977; ETDE: Mar 1978
UF *axiomatic s-matrix theory*
UF *general quantum field theory*
UF *non lagrangian quantum field theory*
*BT1 quantum field theory
NT1 algebraic field theory
NT1 lsz theory
NT1 wightman field theory

axiomatic s-matrix theory
Use axiomatic field theory

AXIONS
INIS: Aug 1978; ETDE: Oct 1978
*BT1 goldstone bosons

axolotl
Use salamanders

axons
Use nerve cells

AZAARENES
INIS: Jun 1994; ETDE: Feb 1983
UF *polycyclic nitrogen heterocycles*
*BT1 aromatics
*BT1 heterocyclic compounds
*BT1 organic nitrogen compounds
NT1 acridines
NT2 acridine orange
NT2 flavines
NT3 acriflavine
NT3 proflavine
NT1 carbazoles
NT1 indoles
NT2 indigo
NT2 indocyanine green
NT2 lysergic acid
NT2 reserpine
NT2 strychnine
NT2 tryptamines
NT3 melatonin
NT3 serotonin
NT4 bufotenine
NT2 tryptophan
NT2 vinblastine
NT1 phenanthrolines
NT2 ferroin
NT2 phenanthroline-ortho
NT1 pteridines
NT2 aminopterin
NT2 folic acid
NT1 purines
NT2 adenines
NT3 kinetin
NT2 guanine
NT2 guanosine
NT2 hypoxanthine
NT2 inosine
NT2 mercaptopurine
NT2 xanthines
NT3 caffeine
NT3 theobromine
NT3 theophylline
NT3 uric acid
NT1 quinolines
NT2 ferron
NT2 oxine
NT2 quinaldine
RT polycyclic aromatic hydrocarbons

azaguanine
Use antimetabolites

AZBEL-KANER RESONANCE
(A type of cyclotron resonance in high-purity metals at liquid helium temperature.)
*BT1 cyclotron resonance
RT metals

AZEOTROPE
RT boiling points
RT distillation

AZERBAIJAN
INIS: Feb 1993; ETDE: Apr 1993
(Until January 1993, this was indexed by USSR.)
SF *soviet union*
SF *union of soviet socialist republics*
SF *ussr*
BT1 asia
RT caspian sea
RT caucasus

AZGIR TEST SITE
BT1 nuclear test sites
RT nuclear explosions
RT nuclear weapons

AZIDES
(For inorganic compounds only. For organic azides, use AZIDO COMPOUNDS.)
BT1 nitrogen compounds
RT azido compounds
RT hydrazoic acid

AZIDO COMPOUNDS
*BT1 organic nitrogen compounds
RT azides

azimuth
See coordinates
OR orientation
OR space dependence

azimuthal pinch devices (linear)
Use linear theta pinch devices

AZINES
(Compounds that contain a six-membered heterocyclic ring containing one or more nitrogen atoms.)
*BT1 heterocyclic compounds
*BT1 organic nitrogen compounds
NT1 phenothiazines
NT2 chlorpromazine
NT2 methylene blue
NT1 pyrazines
NT2 phenazine
NT2 piperazines
NT1 pyridazines
NT2 phthalazines
NT3 luminol
NT1 pyridines
NT2 acridines
NT3 acridine orange
NT3 flavines
NT4 acriflavine
NT4 proflavine
NT2 bipyridines
NT2 nicotinamide
NT2 nicotine
NT2 nicotinic acid
NT2 pan
NT2 picolines
NT3 picolinic acid
NT2 piperidines
NT3 dipyridamole
NT3 pethidine
NT3 triacetoneamine-n-oxyl
NT2 pyridine
NT2 pyridinium compounds
NT2 pyridoxal
NT2 pyridoxine
NT2 pyridoxylideneglutamate
NT2 pyridylazoresorcinol
NT2 quinolines
NT3 ferron
NT3 oxine
NT3 quinaldine
NT1 pyrimidines
NT2 alloxan
NT2 barbiturates
NT3 nembutal
NT3 phenobarbital
NT2 cytidine
NT2 cytosine
NT2 deoxycytidine
NT2 thiamine
NT2 thymidine
NT2 uracils
NT3 bromouracils
NT4 budr
NT3 chlorouracils
NT3 deoxyuridine
NT3 fluorouracils
NT4 fudr
NT3 iodouracils
NT4 iododeoxyuridine
NT3 orotic acid
NT3 thiouracil
NT3 thymine
NT3 uridine
NT1 triazines
NT2 cyanurates
NT2 melamine

AZO COMPOUNDS
UF+ *cycasin*
*BT1 organic nitrogen compounds
NT1 arsenazo
NT1 azo dyes
NT2 eriochrome dyes
NT2 evans blue
NT2 methyl orange
NT2 methyl red
NT2 toluidine blue
NT2 trypan blue

AZO DYES
UF+ *acid chrome dyes*
UF+ *beryllon*
UF+ *congo red*
UF+ *dsnadns*
UF+ *erioglaucine*
*BT1 azo compounds
BT1 dyes
NT1 eriochrome dyes
NT1 evans blue
NT1 methyl orange
NT1 methyl red
NT1 toluidine blue
NT1 trypan blue
RT diazo compounds

AZOLES
(Compounds that contain a five-membered heterocyclic ring containing one or more nitrogen atoms.)
*BT1 heterocyclic compounds
*BT1 organic nitrogen compounds
NT1 carbazoles
NT1 imidazoles
NT2 allantoin
NT2 benzimidazoles
NT2 biotin
NT2 creatinine
NT2 histamine
NT2 histidine
NT2 hydantoins
NT2 metronidazole
NT2 misonidazole
NT2 urocanic acid
NT1 oxadiazoles
NT1 oxazoles
NT2 benzoxazoles
NT2 popop
NT1 pyrazoles
NT2 indazoles
NT2 pyrazolines
NT3 antipyrine
NT1 pyrroles
NT2 bilirubin
NT2 indoles
NT3 indigo
NT3 indocyanine green
NT3 lysergic acid
NT3 reserpine
NT3 strychnine
NT3 tryptamines
NT4 melatonin
NT4 serotonin
NT5 bufotenine
NT3 tryptophan
NT3 vinblastine
NT2 pyrrolidines
NT3 hydroxyproline
NT3 nicotine
NT3 proline
NT2 pyrrolidones
NT3 pvp
NT1 tetrazoles
NT2 tetrazolium
NT1 thiadiazoles
NT1 thiazoles
NT2 benzothiazoles
NT2 saccharin
NT2 thiamine
NT1 triazoles

azolla
Use aquatic organisms
AND ferns

azomide
Use hydrazoic acid

AZORES ISLANDS
INIS: Apr 2000; ETDE: Apr 1975
BT1 islands
*BT1 portugal

AZOTOBACTER
*BT1 bacteria

AZULENE
*BT1 hydrocarbons

B

b-1235 resonances
Use b1-1235 mesons

B C MESONS
*BT1 beauty mesons
*BT1 charmed mesons
*BT1 pseudoscalar mesons
RT quarkonium

b centers
Use color centers

B CODES
BT1 computer codes

B MESONS
INIS: Jan 1985; ETDE: Jun 1984
(The 'Bottom' or 'Beauty' meson with mass approx. 5270 MeV.)
*BT1 beauty mesons
*BT1 pseudoscalar mesons
NT1 b minus mesons
NT1 b neutral mesons
NT2 anti-b neutral mesons
NT1 b plus mesons

B MINUS MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 b mesons

B NEUTRAL MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 b mesons
NT1 anti-b neutral mesons

B PLUS MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 b mesons

B QUARKS
INIS: Sep 1995; ETDE: Oct 1995
*BT1 beauty particles
*BT1 quarks
RT bottomonium

B S MESONS
INIS: Jul 1995; ETDE: Jul 1995
*BT1 beauty mesons
*BT1 pseudoscalar mesons
*BT1 strange mesons

B*-5325 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 beauty mesons
*BT1 vector mesons

B1-1235 MESONS
(Prior to December 1987 this concept was indexed by B-1235RESONANCES.)
UF *b-1235 resonances*
*BT1 axial vector mesons

BABCOCK AND WILCOX-DUPONT PROCESS
INIS: Apr 2000; ETDE: May 1977
(Entrained oxygen-blown coal gasification system, utilizing a design to remove bulk of slag from ash and to cool remainder by passage through a water-wall chamber above the coal feed point, is capable of operation at elevated pressures and designed to tolerate molten coal ash.)
*BT1 coal gasification
RT entrainment

babcock and wilcox lpr reactor
Use lpr reactor

babcock and wilcox standard reactor
Use bw standard reactor

babcock and wilcox test reactor
Use bawtr reactor

BABESIDAE
*BT1 sporozoa
RT erythrocytes

BABOONS
(Prior to 1986 APES was used for this concept.)
*BT1 monkeys

BACA GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Jan 1981
BT1 geothermal fields
RT geothermal hot-water systems
RT new mexico

bach-tamaid theory
See particle structure

BACILLUS
UF *ferrobacillus ferrooxidans*
*BT1 bacteria
NT1 bacillus cereus
NT1 bacillus licheniformis
NT1 bacillus megaterium
NT1 bacillus subtilis
NT1 thiobacillus ferroxidans
NT1 thiobacillus oxidans

BACILLUS CEREUS
*BT1 bacillus

BACILLUS LICHENIFORMIS
INIS: Jul 1993; ETDE: Jan 1986
*BT1 bacillus
RT microbial eor

BACILLUS MEGATERIUM
*BT1 bacillus

BACILLUS SUBTILIS
*BT1 bacillus

BACK CONTACT SOLAR CELLS
INIS: May 1992; ETDE: Jun 1980
*BT1 solar cells

BACKBENDING
INIS: Mar 1977; ETDE: Apr 1977
(The sudden increase of the moment of inertia of deformed nuclei at a critical angular momentum.)
RT angular momentum
RT coriolis force
RT deformed nuclei
RT high spin states
RT moment of inertia
RT nuclear structure
RT rotation
RT rotational states
RT vmi model
RT yrast states

BACKFILLING
INIS: Oct 1983; ETDE: Feb 1976
RT coal mines
RT land reclamation
RT mines
RT radioactive waste disposal
RT radionuclide migration
RT stowing
RT underground disposal
RT waste-rock interactions

backfitting
Use retrofitting

BACKGROUND NOISE
BT1 noise
RT radio noise

BACKGROUND RADIATION
UF *terrestrial background*
BT1 radiations
RT cosmic radiation
RT natural radioactivity
RT relict radiation

backlund transformation
Use baecklund transformation

BACKSCATTERING
BT1 scattering
RT albedo-neutron dosemeters
RT angular distribution
RT reflection
RT rutherford backscattering spectroscopy

BACKWARD WAVE TUBES
*BT1 microwave tubes

bacon
Use meat

BACTERIA
UF *cells (bacterial)*
BT1 microorganisms
NT1 actinomyces
NT2 frankia
NT1 aerobacter
NT1 aeromonas
NT1 azotobacter
NT1 bacillus
NT2 bacillus cereus
NT2 bacillus licheniformis
NT2 bacillus megaterium
NT2 bacillus subtilis
NT2 thiobacillus ferroxidans
NT2 thiobacillus oxidans
NT1 brucella
NT1 clostridium
NT2 clostridium acetobutylicum
NT2 clostridium botulinum
NT2 clostridium butyricum
NT2 clostridium perfringens
NT2 clostridium thermocellum
NT2 clostridium thermosaccharolyticum
NT1 coliforms
NT1 corynebacterium fascians
NT1 corynebacterium parvum
NT1 escherichia coli
NT1 haemophilus
NT1 klebsiella
NT1 lactobacillus
NT1 legionella anisa
NT1 legionella pneumophila
NT1 meningococcus
NT1 methanogenic bacteria
NT2 clostridium acetobutylicum
NT1 methanotrophic bacteria
NT1 micrococcus
NT2 micrococcus luteus
NT2 micrococcus lysodeicticus
NT2 micrococcus radiodurans
NT1 mycobacterium
NT2 mycobacterium tuberculosis
NT1 nocardia
NT1 photosynthetic bacteria
NT2 rhodopseudomonas
NT2 rhodospirillum
NT1 pneumococcus
NT1 proteus
NT1 pseudomonas
NT1 rhizobium
NT1 salmonella
NT2 salmonella typhimurium
NT1 serratia
NT1 shigella
NT1 spirochaetes
NT1 staphylococcus
NT1 streptococcus
NT1 streptomyces
NT1 sulfate-reducing bacteria
NT2 desulfovibrio
NT1 sulfur-oxidizing bacteria
NT2 rhodococcus
NT2 thiobacillus ferroxidans
NT2 thiobacillus oxidans
NT1 thermoactinomyces
NT1 zymomonas mobilis
RT bacterial diseases
RT bacterial spores
RT bacteriophages
RT disinfectants
RT endotoxins
RT germ-free animals
RT germicides
RT host-cell reactivation
RT infectivity
RT mycoplasma
RT nitrogen fixation
RT plankton
RT toxins
RT vaccines

BACTERIAL DISEASES
INIS: Dec 1982; ETDE: Jan 1981
UF *paratyphoid*
*BT1 infectious diseases
NT1 cholera
NT1 diphtheria
NT1 gonorrhea
NT1 leprosy
NT1 syphilis
NT1 tetanus
NT1 tuberculosis
NT1 typhoid
RT antibiotics
RT bacteria
RT legionella anisa
RT legionella pneumophila

BACTERIAL SPORES
BT1 spores
RT bacteria
RT preservation
RT sterilization

bactericides
Use germicides

BACTERIOPHAGES
UF *phages*
*BT1 viruses
RT bacteria
RT cosmids
RT host-cell reactivation
RT plaque formation

BADDELEYITE
*BT1 oxide minerals
*BT1 radioactive minerals
RT caldasite
RT hafnium oxides
RT zirconium oxides

BAECKLUND TRANSFORMATION
INIS: May 1980; ETDE: May 1980
UF *backlund transformation*
BT1 transformations
RT nonlinear problems
RT solitons

baer walls
Use drum walls

BAFFLED TUBES
BT1 tubes
RT baffles

BAFFLES
INIS: Apr 1984; ETDE: Nov 1976
(Plates that regulate the flow of a fluid, e.g. in heat exchangers.)
*BT1 flow regulators
RT baffled tubes
RT diffusers
RT fluid flow

BAG MODEL
INIS: Mar 1976; ETDE: Nov 1975
(A relativistic particle model in which some hadronic fields are confined within a finite region of space by the action of a uniform phenomenological external pressure.)
UF *quark confinement*
*BT1 extended particle model
*BT1 quark model
RT quantum chromodynamics

BAGASSE
INIS: Dec 1984; ETDE: Jan 1976
*BT1 agricultural wastes
RT cellulose

baghdad wwr-s reactor
Use irt-baghdad reactor

BAGHOUSES
INIS: Sep 1991; ETDE: Mar 1978
(A structure for holding bag filters for removing suspended dusts and fumes from airstreams.)
*BT1 pollution control equipment
RT air pollution control
RT fabric filters

BAHAMA ISLANDS
BT1 developing countries
*BT1 west indies
RT atlantic ocean

BAHRAIN
INIS: Dec 1982; ETDE: Oct 1976
BT1 arab countries
BT1 asia
BT1 developing countries
BT1 islands
BT1 middle east
RT oapec

bailie process
Use waste processing

BAILLY-1 REACTOR
(Porter, Indiana, USA)
*BT1 bwr type reactors

BAINITE
RT martensite
RT steels

BAKELITE
*BT1 plastics
RT formaldehyde
RT phenols
RT resins

BAKING
BT1 heating

baking (food)
Use food processing

BAL
(British anti-Lewisite)
UF *dimercaprol*
UF *dimercaptopropanol*
BT1 chelating agents
*BT1 dithiols
*BT1 radioprotective substances
RT unithiol

BALAKOVO-1 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
*BT1 wwer type reactors

BALAKOVO-2 REACTOR
INIS: Dec 1986; ETDE: Feb 1987
*BT1 wwer type reactors

BALAKOVO-3 REACTOR
INIS: Oct 1998; ETDE: Oct 1998
*BT1 wwer type reactors

BALAKOVO-4 REACTOR
Aug 2002
*BT1 wwer type reactors

balance (energy)
Use energy balance

balance (mass)
Use mass balance

balance of power
Use international relations

BALANCES
*BT1 weight indicators
NT1 microbalances

balances (magnetic)
Use magnetic balances

balescu theory
Use prigogine theorem

BALL BEARINGS
BT1 bearings

BALL LIGHTNING
*BT1 lightning

BALLASTS
INIS: Apr 2000; ETDE: Feb 1979
(Devices that limit the current of fluorescent or mercury lamps to the required value for proper operation.)
RT fluorescent lamps
RT lighting systems

BALLISTIC MISSILE DEFENSE
INIS: Sep 1994; ETDE: Nov 1984
UF *strategic defense initiative*
BT1 national defense
RT directed-energy weapons
RT national security
RT nuclear weapons
RT space weapons

BALLOONING INSTABILITY
INIS: May 1979; ETDE: Aug 1979
*BT1 plasma macroinstabilities

BALLOONS
BT1 aircraft

BALMER LINES
(Includes all aspects of the transitions associated with balmer lines.)
UF *balmer spectra*
UF *h-alpha line*
UF *h-beta line*
UF *h-gamma line*
RT hydrogen
RT rydberg correction
RT spectra

balmer spectra
Use balmer lines

BALNEOLOGY
(The science of the healing qualities of baths, esp. with natural mineral waters.)
BT1 medicine
RT therapy
RT water

BALTIC SEA
*BT1 seas

BALTIMORE CANYON
INIS: Apr 2000; ETDE: Dec 1978
(Depression off Middle Atlantic States.)
*BT1 atlantic ocean

bamag process
Use waste processing

BAMBOO
INIS: Dec 1991; ETDE: Nov 1985
*BT1 gramineae

bambp
Use phenols

BANACH SPACE
*BT1 mathematical space
NT1 hilbert space
RT vectors

BANANA PLANTS
INIS: Dec 1975; ETDE: Jan 1976
*BT1 liliopsida
RT bananas
RT fruit trees

BANANA REGIME
(A specific mechanism of particle trapping in toroidal devices.)
BT1 trapping
RT neoclassical transport theory
RT stellarators
RT tokamak devices
RT toroidal pinch devices
RT trapped-particle instability

BANANAS
*BT1 fruits
RT banana plants
RT fruit trees

BAND THEORY
RT brillouin zones
RT electronic structure
RT energy gap
RT energy-level transitions
RT fermi level
RT graded band gaps
RT hubbard model
RT wigner-seitz method

BANDING TECHNIQUES
INIS: Apr 1978; ETDE: Jul 1978
(Techniques for making chromosomal aberrations visible.)
BT1 cytological techniques
RT biological localization
RT chromosomal aberrations
RT chromosomes
RT genetic mapping
RT human chromosomes
RT stains

baneberry event
Use nuclear explosions
AND underground explosions

BANGKOK TREATY
INIS: Jan 1999; ETDE: Jan 1999
(Treaty for the prohibition of nuclear weapons in South-East Asia.)
BT1 treaties
RT arms control
RT nuclear weapons

BANGLADESH
UF *east pakistan*
UF *pakistan (east)*
BT1 asia
BT1 developing countries
RT ganga river

BANGLADESH ORGANIZATIONS
INIS: Jul 1983; ETDE: Sep 1983
BT1 national organizations

bank accounts
See financing

banks
Use commercial buildings

banon event
Use anvil project

BARBADOS
INIS: Jun 1992; ETDE: Dec 1979
*BT1 lesser antilles

BARBITURATES
(Prior to August 1996 AMYTAL was a valid ETDE descriptor.)
UF *amobarbital*
UF *amytal*
UF *barbituric acid*
UF+ *pentothal*
UF+ *thiopental*
*BT1 anesthetics
*BT1 hypnotics and sedatives
*BT1 organic oxygen compounds
*BT1 pyrimidines
NT1 nembutal
NT1 phenobarbital

barbituric acid
Use barbiturates

BARC
UF *bhabha atomic research center*
*BT1 indian organizations

barcelona argonaut reactor
Use argos reactor

bardeen-cooper-schrieffer theory
Use bcs theory

BARGES
INIS: May 1992; ETDE: Jan 1977
RT navigation
RT ships
RT transport

BARITE
(A white, yellow, or colorless orthorhombic mineral.)
*BT1 sulfate minerals
RT barium sulfates

BARIUM
*BT1 alkaline earth metals

BARIUM 114
*BT1 barium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 carbon 12 decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

BARIUM 115
*BT1 barium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

BARIUM 116
*BT1 barium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

BARIUM 117
INIS: Jun 1977; ETDE: Jan 1976
*BT1 barium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

BARIUM 118
*BT1 barium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

BARIUM 119
*BT1 barium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

BARIUM 120
*BT1 barium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

BARIUM 121
*BT1 barium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

BARIUM 122
*BT1 barium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

BARIUM 123
*BT1 barium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

BARIUM 124
*BT1 barium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

BARIUM 125
*BT1 barium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

BARIUM 126
*BT1 barium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei

BARIUM 127
*BT1 barium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 seconds living radioisotopes

BARIUM 127 TARGET
INIS: Sep 1992; ETDE: May 1977
BT1 targets

BARIUM 128
*BT1 barium isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei

BARIUM 129
*BT1 barium isotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei

BARIUM 130
*BT1 barium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes

BARIUM 130 TARGET
BT1 targets

BARIUM 131
*BT1 barium isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes

BARIUM 132
*BT1 barium isotopes
*BT1 even-even nuclei

*BT1 intermediate mass nuclei
*BT1 stable isotopes

BARIUM 133
*BT1 barium isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 years living radioisotopes

BARIUM 134
*BT1 barium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes

BARIUM 134 TARGET
BT1 targets

BARIUM 135
*BT1 barium isotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 stable isotopes

BARIUM 135 TARGET
INIS: Apr 1977; ETDE: Mar 1977
BT1 targets

BARIUM 136
*BT1 barium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 stable isotopes

BARIUM 136 TARGET
INIS: Feb 1976; ETDE: Jul 1976
BT1 targets

BARIUM 137
*BT1 barium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 stable isotopes

BARIUM 137 TARGET
INIS: Apr 1977; ETDE: Jun 1977
BT1 targets

BARIUM 138
*BT1 barium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 nanoseconds living radioisotopes
*BT1 stable isotopes

BARIUM 138 TARGET
BT1 targets

BARIUM 139
*BT1 barium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei

BARIUM 139 TARGET
INIS: Oct 1975; ETDE: Jul 1976
BT1 targets

BARIUM 140
*BT1 barium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei

BARIUM 141
*BT1 barium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

BARIUM 142
*BT1 barium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

BARIUM 143
*BT1 barium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

BARIUM 144
*BT1 barium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

BARIUM 145
*BT1 barium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

BARIUM 146
*BT1 barium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

BARIUM 147
INIS: Jun 1977; ETDE: Oct 1977
*BT1 barium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

BARIUM 148
INIS: Jun 1977; ETDE: Mar 1976
*BT1 barium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

BARIUM 149
INIS: Jan 1986; ETDE: Jan 1975
*BT1 barium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

BARIUM ADDITIONS
(Alloys containing not more than 1% Ba are listed here.)
*BT1 barium alloys

BARIUM ALLOYS
(Alloys containing more than 1% Ba.)
BT1 alloys
NT1 barium additions
NT1 barium base alloys

BARIUM BASE ALLOYS
*BT1 barium alloys

BARIUM BORIDES
*BT1 barium compounds
*BT1 borides

BARIUM BROMIDES
*BT1 barium compounds
*BT1 bromides

BARIUM CARBIDES
*BT1 barium compounds
*BT1 carbides

BARIUM CARBONATES
*BT1 barium compounds
*BT1 carbonates

BARIUM CHLORIDES
*BT1 barium compounds
*BT1 chlorides

BARIUM COMPLEXES
*BT1 alkaline earth metal complexes

BARIUM COMPOUNDS
BT1 alkaline earth metal compounds
NT1 barium borides
NT1 barium bromides
NT1 barium carbides
NT1 barium carbonates
NT1 barium chlorides
NT1 barium fluorides
NT1 barium hydrides
NT1 barium hydroxides
NT1 barium iodides
NT1 barium nitrates
NT1 barium nitrides
NT1 barium oxides
NT1 barium perchlorates
NT1 barium phosphates
NT1 barium silicates
NT1 barium sulfates
NT1 barium sulfides
NT1 barium tungstates

BARIUM FLUORIDES
*BT1 barium compounds
*BT1 fluorides

BARIUM HYDRIDES
*BT1 barium compounds
*BT1 hydrides

BARIUM HYDROXIDES
*BT1 barium compounds
*BT1 hydroxides

BARIUM IODIDES
*BT1 barium compounds
*BT1 iodides

BARIUM IONS
*BT1 ions

BARIUM ISOTOPES
*BT1 alkaline earth isotopes
NT1 barium 114
NT1 barium 115
NT1 barium 116
NT1 barium 117
NT1 barium 118
NT1 barium 119
NT1 barium 120
NT1 barium 121
NT1 barium 122
NT1 barium 123
NT1 barium 124

NT1 barium 125
NT1 barium 126
NT1 barium 127
NT1 barium 128
NT1 barium 129
NT1 barium 130
NT1 barium 131
NT1 barium 132
NT1 barium 133
NT1 barium 134
NT1 barium 135
NT1 barium 136
NT1 barium 137
NT1 barium 138
NT1 barium 139
NT1 barium 140
NT1 barium 141
NT1 barium 142
NT1 barium 143
NT1 barium 144
NT1 barium 145
NT1 barium 146
NT1 barium 147
NT1 barium 148
NT1 barium 149

BARIUM NITRATES
*BT1 barium compounds
*BT1 nitrates

BARIUM NITRIDES
*BT1 barium compounds
*BT1 nitrides

BARIUM OXIDES
*BT1 barium compounds
*BT1 oxides
RT billietite
RT heinrichite
RT hollandite
RT oxide minerals

BARIUM PERCHLORATES
INIS: Oct 1983; ETDE: Nov 1975
*BT1 barium compounds
*BT1 perchlorates

BARIUM PHOSPHATES
*BT1 barium compounds
*BT1 phosphates
RT phosphate minerals

BARIUM SILICATES
*BT1 barium compounds
*BT1 silicates

BARIUM SULFATES
*BT1 barium compounds
*BT1 sulfates
RT barite
RT sulfate minerals

BARIUM SULFIDES
*BT1 barium compounds
*BT1 sulfides

BARIUM TUNGSTATES
INIS: Feb 1978; ETDE: Mar 1976
*BT1 barium compounds
*BT1 tungstates

BARK
INIS: Jul 1986; ETDE: Dec 1985
BT1 plant tissues
RT cork
RT lignin
RT plant stems
RT solid fuels
RT trees
RT wood wastes

BARLEY
UF *hordeum*
*BT1 cereals

BARN REACTOR
(Institute for Atomic Sciences in Agriculture, Wageningen,Netherlands)
UF *wageningen barn reactor*
*BT1 pool type reactors
*BT1 research reactors
*BT1 test reactors

BARNWELL FUEL PROCESSING PLANT
*BT1 fuel reprocessing plants

BAROMETERS
*BT1 pressure gages

barrier layer
See depletion layer

barriers
See diffusion barriers
OR ventilation barriers

BARSEBAECK-1 REACTOR
(Barsebaeck, Malmo, Sweden)
UF *sydsvenska kraft ab reactor 1*
*BT1 bwr type reactors

BARSEBAECK-2 REACTOR
INIS: Apr 1978; ETDE: Jul 1978
(Barsebaeck, Malmo, Sweden)
UF *sydsvenska kraft ab reactor 2*
*BT1 bwr type reactors

BARSTOW SOLAR PILOT PLANT
INIS: Apr 2000; ETDE: Jan 1980
(10-mw solar central receiver pilot plant at Barstow, California.)
UF *solar one power plant*
*BT1 pilot plants
*BT1 tower focus power plants

BARTLESVILLE ENERGY TECHNOLOGY CENTER
INIS: Apr 2000; ETDE: Oct 1978
*BT1 us doe

BARTON-1 REACTOR
*BT1 bwr type reactors

BARTON-2 REACTOR
*BT1 bwr type reactors

BARTON-3 REACTOR
*BT1 bwr type reactors

BARTON-4 REACTOR
*BT1 bwr type reactors

BARYON-BARYON INTERACTIONS
(From January 1975 till May 1996 NUCLEON-DEUTERON INTERACTIONS was a valid ETDE descriptor.)
UF *nucleon-deuteron interactions*
*BT1 hadron-hadron interactions
NT1 hyperon-hyperon interactions
NT1 nucleon-antinucleon interactions
NT2 antiproton-neutron interactions
NT2 neutron-antineutron interactions
NT2 proton-antineutron interactions
NT2 proton-antiproton interactions
NT1 nucleon-hyperon interactions
NT1 nucleon-nucleon interactions
NT2 neutron-neutron interactions
NT2 proton-nucleon interactions
NT3 proton-neutron interactions
NT3 proton-proton interactions

BARYON DECUPLETS
*BT1 particle multiplets

BARYON-EXCHANGE MODELS
*BT1 peripheral models

BARYON NUMBER
RT baryons
RT gauge invariance
RT neutron oscillation

baryon number 2 resonances
Use dibaryons

BARYON OCTETS
*BT1 particle multiplets
RT octet model

BARYON REACTIONS
*BT1 hadron reactions
NT1 hyperon reactions
NT1 nucleon reactions
NT2 antinucleon reactions
NT3 antineutron reactions
NT3 antiproton reactions
NT2 neutron reactions
NT3 fast fission
NT3 thermal fission
NT2 proton reactions

baryon resonances
Use baryons

BARYON SPECTROSCOPY
INIS: Jan 1979; ETDE: Feb 1979
BT1 spectroscopy

BARYONIUM
INIS: Aug 1978; ETDE: Apr 1978
(Baryonium states, narrow resonances near p-anti p threshold, are mesons that have quantum numbers of a 2 quark-2 antiquark system and couple predominantly to baryon-antibaryon systems.)
*BT1 mesons
RT baryons
RT protonium
RT quarkonium

BARYONS
UF *baryon resonances*
UF *d* plus resonances*
UF *d* zero resonances*
UF *d*resonances*
UF *y*resonances*
SF *d*effect*
SF *d*phenomenon*
BT1 fermions
*BT1 hadrons
NT1 antibaryons
NT2 antihyperons
NT3 antilambda particles
NT3 antiomega particles
NT3 antisigma particles
NT3 antixi particles
NT2 antinucleons
NT3 antineutrons
NT3 antiprotons
NT1 beauty baryons
NT2 lambda b neutral baryons
NT1 charmed baryons
NT2 lambda c plus baryons
NT2 lambda c-2625 baryons
NT2 omega c neutral baryons
NT2 sigma c-2455 baryons
NT2 xi c neutral baryons
NT2 xi c plus baryons
NT1 dibaryons
NT2 dineutrons
NT2 diprotons

NT2 lambda-n-2130 dibaryons
NT2 nn-2170 dibaryons
NT2 nn-2250 dibaryons
NT1 hyperons
NT2 antihyperons
NT3 antilambda particles
NT3 antiomega particles
NT3 antisigma particles
NT3 antixi particles
NT2 lambda baryons
NT3 lambda particles
NT4 antilambda particles
NT3 lambda-1405 baryons
NT3 lambda-1520 baryons
NT3 lambda-1600 baryons
NT3 lambda-1670 baryons
NT3 lambda-1690 baryons
NT3 lambda-1800 baryons
NT3 lambda-1810 baryons
NT3 lambda-1820 baryons
NT3 lambda-1830 baryons
NT3 lambda-1890 baryons
NT3 lambda-2100 baryons
NT3 lambda-2110 baryons
NT2 lambda-n-2130 dibaryons
NT2 omega baryons
NT3 omega particles
NT4 antiomega particles
NT4 omega minus particles
NT3 omega-2250 baryons
NT2 sigma baryons
NT3 sigma particles
NT4 antisigma particles
NT4 sigma minus particles
NT4 sigma neutral particles
NT4 sigma plus particles
NT3 sigma-1385 baryons
NT3 sigma-1660 baryons
NT3 sigma-1670 baryons
NT3 sigma-1750 baryons
NT3 sigma-1770 baryons
NT3 sigma-1775 baryons
NT3 sigma-1915 baryons
NT3 sigma-1940 baryons
NT3 sigma-2030 baryons
NT3 sigma-2455 baryons
NT2 xi baryons
NT3 xi particles
NT4 antixi particles
NT4 xi minus particles
NT4 xi neutral particles
NT3 xi-1530 baryons
NT3 xi-1690 baryons
NT3 xi-1820 baryons
NT3 xi-1950 baryons
NT3 xi-2030 baryons
NT3 xi-2250 baryons
NT3 xi-2500 baryons
NT2 z*baryons
NT1 n*baryons
NT2 delta baryons
NT3 delta-1232 baryons
NT3 delta-1600 baryons
NT3 delta-1620 baryons
NT3 delta-1700 baryons
NT3 delta-1900 baryons
NT3 delta-1905 baryons
NT3 delta-1910 baryons
NT3 delta-1920 baryons
NT3 delta-1930 baryons
NT3 delta-1950 baryons
NT3 delta-2000 baryons
NT3 delta-2150 baryons
NT3 delta-2200 baryons
NT3 delta-2400 baryons
NT3 delta-2420 baryons
NT3 delta-3000 baryons
NT2 n baryons
NT3 n-1440 baryons
NT3 n-1520 baryons
NT3 n-1535 baryons
NT3 n-1650 baryons
NT3 n-1675 baryons
NT3 n-1680 baryons
NT3 n-1700 baryons
NT3 n-1710 baryons
NT3 n-1720 baryons
NT3 n-1960 baryons
NT3 n-1990 baryons
NT3 n-2000 baryons
NT3 n-2080 baryons
NT3 n-2100 baryons
NT3 n-2190 baryons
NT3 n-2250 baryons
NT3 n-3000 baryons
NT1 nucleons
NT2 antinucleons
NT3 antineutrons
NT3 antiprotons
NT2 neutrons
NT3 antineutrons
NT3 beta-delayed neutrons
NT3 cold neutrons
NT4 ultracold neutrons
NT3 cosmic neutrons
NT3 epithermal neutrons
NT3 fast neutrons
NT3 fission neutrons
NT4 delayed neutrons
NT4 prompt neutrons
NT3 intermediate neutrons
NT3 photoneutrons
NT3 pile neutrons
NT3 polyneutrons
NT4 dineutrons
NT4 tetraneutrons
NT4 trineutrons
NT3 resonance neutrons
NT3 slow neutrons
NT3 solar neutrons
NT3 thermal neutrons
NT2 photonucleons
NT3 photoneutrons
NT3 photoprotons
NT2 protons
NT3 antiprotons
NT3 cosmic protons
NT3 delayed protons
NT3 diprotons
NT3 photoprotons
NT3 prompt protons
NT3 solar protons
NT3 trapped protons
RT baryon number
RT baryonium

BASAL METABOLISM

BT1 metabolism

BASALT

*BT1 volcanic rocks
NT1 diabases
RT feldspars
RT nepheline basalts
RT olivine

BASEBALL DEVICES

*BT1 open plasma devices

BASEBALL SEAM CONFIGURATIONS

*BT1 open configurations

BASEBOARD HEATING

INIS: Apr 2000; ETDE: Sep 1977
*BT1 space heating
RT electric heating

basedow's disease

Use hyperthyroidism

BASELINE ECOLOGY

INIS: Dec 1982; ETDE: Apr 1977
(The ecological situation or studies of that situation which exists at a site or geographical region before some development is made in the area; it provides a basis for evaluating impact of the development.)
BT1 ecology
RT geographic information systems
RT site characterization
RT species diversity

BASEMENT ROCK

INIS: Apr 1992; ETDE: Mar 1981
(Metamorphic or igneous rock underlying the sedimentary sequence.)
*BT1 geologic strata
RT igneous rocks
RT metamorphic rocks
RT rocks

BASEMENTS

INIS: Aug 1992; ETDE: Jul 1984
(The part of a building that is wholly or partly below ground level.)
UF *cellars*
RT buildings
RT floors
RT foundations

BASES

NT1 coal tar bases
NT1 lewis bases
NT1 shale tar bases
RT acid neutralizing capacity
RT anhydrides
RT hydroxides
RT ph value

BASF-1 REACTOR

UF *basf-industriekernkraftwerk reaktor 1*
*BT1 pwr type reactors

BASF-2 REACTOR

UF *basf-industriekernkraftwerk reaktor 2*
*BT1 pwr type reactors

basf-industriekernkraftwerk reaktor 1

Use basf-1 reactor

basf-industriekernkraftwerk reaktor 2

Use basf-2 reactor

BASIC

INIS: Jan 1979; ETDE: Sep 1975
BT1 programming languages

BASIC INTERACTIONS

BT1 interactions
NT1 electromagnetic interactions
NT2 compton effect
NT2 coulomb scattering
NT2 electroproduction
NT2 photon-hadron interactions
NT3 photon-baryon interactions
NT4 photon-hyperon interactions
NT4 photon-nucleon interactions
NT5 photon-neutron interactions
NT5 photon-proton interactions
NT3 photon-meson interactions
NT2 photon-photon interactions
NT2 photoproduction
NT3 primakoff effect
NT2 umklapp processes
NT1 gravitational interactions

NT1 strong interactions
NT2 charge-exchange interactions
NT2 peripheral collisions
NT1 weak interactions
NT2 fermi interactions
NT2 leptonic decay
RT charged-current interactions
RT conservation laws
RT invariance principles
RT neutral-current interactions
RT potentials
RT unified-field theories

basins (sedimentary)
Use sedimentary basins

BASOPHILS
*BT1 leukocytes

basophils (connective tissue)
Use mast cells

bass strait
Use australia
AND seas

BASSETITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 uranium minerals

BASTNAESITE
*BT1 oxide minerals
*BT1 thorium minerals
RT thorium oxides

bataan philippine power plant
Use pnpp-1 reactor

BATCH CULTURE
INIS: May 1992; ETDE: Jun 1978
RT aerobic digestion
RT anaerobic digestion
RT continuous culture
RT culture media
RT fermentation
RT semibatch culture

BATCH LOADING
BT1 reactor fueling

bates linac mit
Use mit bates linac

BATHYMETRY
INIS: Jun 1992; ETDE: Jul 1978
(The measurement of ocean depths and the charting of the topography of the ocean floor.)
RT geophysics
RT oceanography
RT seas

BATS
INIS: Apr 1993; ETDE: Jun 1975
*BT1 mammals

battelle coal-cleaning process
Use battelle hydrothermal coal process

BATTELLE COLUMBUS LABORATORY
INIS: Sep 1977; ETDE: Nov 1976
*BT1 us erda
RT ohio

BATTELLE HYDROTHERMAL COAL PROCESS
INIS: Apr 2000; ETDE: Sep 1975
(A closed-loop leaching process for removal of up to 99% pyritics and 70% organics to produce solid fuel.)
UF *battelle coal-cleaning process*
*BT1 desulfurization

BATTELLE PACIFIC NORTHWEST LABORATORIES
INIS: Oct 1976; ETDE: Jul 1976
UF *pacific northwest laboratories*
UF *pnl*
*BT1 us doe
*BT1 us erda
RT hanford reservation
RT hapo

battelle research reactor
Use brr reactor

batteries (electric)
Use electric batteries

batteries (isotopic)
Use radioisotope batteries

BATTERY CHARGE STATE
(Prior to February 1993, this concept in ETDE was indexed to charge state.)
UF *charge state*
UF *charge state (batteries)*
RT charged particles
RT electric batteries
RT electric charges
RT ions

BATTERY CHARGERS
INIS: Jul 1992; ETDE: Jan 1975
*BT1 electrical equipment
NT1 solar battery chargers
RT battery charging

BATTERY CHARGING
INIS: Jan 1985; ETDE: Jan 1975
RT battery chargers

BATTERY PASTE
INIS: Apr 2000; ETDE: Aug 1976
RT electric batteries
RT electrodes
RT grids

BATTERY SEPARATORS
INIS: Apr 2000; ETDE: Apr 1975
RT electric batteries

batyl alcohol
Use alcohols
AND ethers

BAUXITE
(A ferruginous aluminium hydroxide.)
*BT1 aluminium ores
RT aluminium hydroxides

BAWTR REACTOR
(Babcock and Wilcox, Lynchburg Research Center, Lynchburg,Virginia, USA)
UF *babcock and wilcox test reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 test reactors
*BT1 thermal reactors

BAY OF BISCAY
INIS: Jul 1985; ETDE: Nov 1981
UF *biscay bay (france, spain)*
*BT1 atlantic ocean
*BT1 bays
RT france
RT spain

BAY OF FUNDY
INIS: Sep 1991; ETDE: Jan 1975
(This bay is presently being considered as the site of a sizeable tidal power plant.)
*BT1 atlantic ocean
*BT1 bays
RT canada

BAYARD-ALPERT GAGES
*BT1 ionization gages

bayleyite
Use carbonate minerals
AND uranium minerals

BAYS
INIS: Jan 1992; ETDE: Jan 1975
*BT1 coastal waters
NT1 bay of biscay
NT1 bay of fundy
NT1 biscayne bay
NT1 chesapeake bay
NT1 delaware bay
NT1 galveston bay
NT1 matagorda bay
NT1 onslow bay
NT1 prudhoe bay
NT1 sequim bay

bays (magnetic)
Use magnetic bays

BBGKY EQUATION
UF *bbgky hierarchy*
UF *bbgky theory*
UF *bogolyubov theory*
UF *born-bogolyubov-green-kirkwood-yvon*
*BT1 differential equations
RT statistical mechanics

bbgky hierarchy
Use bbgky equation

bbgky theory
Use bbgky equation

BCC LATTICES
UF *body centered cubic*
*BT1 cubic lattices

BCL PROCESS
INIS: Apr 2000; ETDE: Oct 1985
(A two-stage hydrogenation process in which the primary hydrogenation and the secondary hydrogenation processes are combined with the new slurry dewatering and the deashing and preasphaltene removal processes.)
UF *brown coal liquefaction process*
*BT1 coal liquefaction

BCOCLMCNM
(Brussels Convention on Civil Liability for Maritime Carriage of Nuclear Materials)
UF *brussels conv liability for maritime carriage nuc mater 1971*
UF *liability conv maritime carriage nuclear materials*
UF *marit car liab conv bruss 1971*
UF *maritime carriage liability conv brussels 1971*
*BT1 international agreements
RT civil liability

BCOLONS
(Brussels Convention on Liability for Operation of NuclearShips)
UF *brussels conv liability for operation of nuclear ships*
UF *liability convention on operation of nuclear ships*
UF *nuclear ship operation liability convention, brussels*
*BT1 international agreements
RT civil liability
RT liabilities

RT nuclear ship visits
RT nuclear ships

bcr process
Use coal gasification

BCS THEORY
UF *bardeen-cooper-schrieffer theory*
RT superconductivity

BCSTPC
(Brussels Convention - supplement to Paris Convention on Third Party Liability)
UF *brussels conv-suppl to paris conv on third party liability*
UF *liability conv on third party, brussels*
UF *third party liability convention, brussels*
*BT1 international agreements
RT civil liability
RT pcotpl

BEACON PROCESS
INIS: Apr 2000; ETDE: Apr 1981
(The beacon process converts low to medium btu gas to a methane-rich high btu gas by two main reactions. In the presence of a catalyst, carbon is deposited by shifting carbon monoxide to carbon dioxide. The deposited carbon and catalyst are active for hydrogenation to methane.)
*BT1 coal gasification
RT methanation
RT synthesis gas

BEAD WALLS
INIS: Apr 2000; ETDE: Feb 1979
*BT1 passive solar cooling systems
*BT1 passive solar heating systems
BT1 walls
RT thermal insulation
RT windows

BEAGLES
*BT1 dogs

BEAM ACCEPTANCE
UF *acceptance (beam)*
RT beam optics

BEAM ANALYZERS
(For momentum analysis of charged particle beams.)
NT1 electrostatic analyzers
NT1 magnetic analyzers
RT beam monitors
RT monochromators

BEAM-BEAM INTERACTIONS
INIS: Sep 1980; ETDE: May 1979
RT beam dynamics
RT beam stacking
RT colliding beams

BEAM BENDING MAGNETS
*BT1 magnets
RT beam optics
RT magnetic analyzers

beam blowup
Use beam dynamics

BEAM BUNCHERS
RT beam bunching

BEAM BUNCHING
UF *bunching (beam)*
*BT1 beam dynamics
RT beam bunchers
RT beam optics
RT beam shaping

beam choppers
Use beam pulsers

BEAM COOLING
INIS: Aug 1975; ETDE: May 1979
(For improving the quality of particle beams.)
NT1 electron cooling
NT1 stochastic cooling
NT2 momentum cooling
RT beam dynamics

BEAM CURRENTS
UF *currents (beam)*
BT1 currents
NT1 amp beam currents
NT1 kilo amp beam currents
NT1 mega amp beam currents
NT1 micro amp beam currents
NT1 milli amp beam currents
NT1 nano amp beam currents
NT1 pico amp beam currents
RT beam monitoring
RT beam monitors
RT current density
RT faraday cups

BEAM DUMPS
(Mass of shielding material to absorb an accelerator beam after experimental use.)
RT accelerator facilities
RT accelerators

BEAM DYNAMICS
(Particle beam motion inside an accelerator.)
UF *beam blowup*
UF *blowup (particle beams)*
UF *dynamics (beam)*
*BT1 dynamics
NT1 beam bunching
NT1 betatron oscillations
NT1 phase oscillations
NT1 synchrotron oscillations
RT accelerators
RT beam cooling
RT beam optics
RT beam stacking
RT beam-beam interactions
RT negative mass effect
RT orbit stability
RT orbits
RT phase stability
RT trajectories

BEAM EMITTANCE
UF *emittance (beam)*
UF+ *beam perveance*
RT beam optics
RT brightness

BEAM EXTRACTION
UF *extraction (beam)*
RT beam optics
RT kicker magnets
RT septum magnets

BEAM FOCUSING MAGNETS
*BT1 magnets
RT beam optics
RT quadrupoles

beam-foil spectroscopy
Use ion spectroscopy

beam-gas spectroscopy
Use ion spectroscopy

BEAM HOLES
(Hole through a reactor for the passage of a beam of radiation for experiments outside the reactor.)
*BT1 reactor channels
*BT1 reactor experimental facilities

BEAM INJECTION
UF *injection (beams)*
NT1 cluster beam injection
NT1 electron beam injection
NT1 ion beam injection
NT2 molecular ion beam injection
NT1 neutral atom beam injection
NT1 plasma beam injection
NT1 relativistic beam injection
RT beam injection heating
RT beam optics
RT beam production
RT particle boosters
RT thermonuclear devices

BEAM INJECTION HEATING
*BT1 plasma heating
RT atomic beam sources
RT beam injection

BEAM LUMINOSITY
(Colliding beam interaction rate)
RT colliding beams
RT electron cooling
RT interactions

BEAM MONITORING
UF *monitoring (beam)*
BT1 monitoring
RT beam currents
RT beam monitors
RT beam position
RT beam profiles
RT magnetoinduction sensors

BEAM MONITORS
UF *monitors (beam)*
*BT1 monitors
NT1 beam scanners
NT1 faraday cups
NT1 magnetoinduction sensors
RT accelerator facilities
RT beam analyzers
RT beam currents
RT beam monitoring
RT beam position
RT beam profiles

BEAM NEUTRALIZATION
UF *neutralization (beam)*
RT charge exchange
RT ionization
RT particle beams

BEAM OPTICS
RT alignment
RT beam acceptance
RT beam bending magnets
RT beam bunching
RT beam dynamics
RT beam emittance
RT beam extraction
RT beam focusing magnets
RT beam injection
RT beam shaping
RT beam splitting
RT beam transport
RT chromatic aberrations
RT collimators
RT electrostatic lenses
RT electrostatic mirrors
RT electrostatic septa
RT focusing
RT geometrical aberrations
RT kicker magnets
RT monochromators
RT optical systems
RT optics

RT septum magnets

beam perveance
Use beam emittance
AND space charge

BEAM-PLASMA SYSTEMS
RT beams
RT pierce instability
RT plasma
RT whistler instability

BEAM POSITION
RT beam monitoring
RT beam monitors
RT beam scanners

BEAM PRODUCTION
UF *production (beam)*
RT beam injection

BEAM PROFILES
UF *beam widths*
RT beam monitoring
RT beam monitors
RT beam scanners
RT beam shaping

BEAM PULSERS
UF *beam choppers*
UF *choppers (beam)*
UF *pulsed beam deflectors*
NT1 neutron choppers
RT beam shaping
RT beams
RT pulsed irradiation
RT pulses

BEAM SCANNERS
UF *scanners (beam)*
*BT1 beam monitors
RT beam position
RT beam profiles

BEAM SEPARATORS
(For velocity separation of secondary beams.)
RT accelerators

BEAM SHAPING
INIS: Aug 1975; ETDE: Jun 1975
RT beam bunching
RT beam optics
RT beam profiles
RT beam pulsers
RT focusing

BEAM SPLITTING
INIS: Oct 1975; ETDE: Jun 1975
RT beam optics

BEAM STACKING
RT beam dynamics
RT beam-beam interactions

BEAM STRIPPERS
UF *stripper foils*
UF *strippers*
RT atomic beams
RT charge exchange
RT charge states
RT electron loss
RT ion beams

BEAM TRANSPORT
UF *transport (beam)*
UF+ *laser guidance*
RT beam optics

beam widths
Use beam profiles

BEAMS
NT1 antiparticle beams
NT2 antineutrino beams
NT2 antinucleon beams
NT3 antiproton beams
NT1 atomic beams
NT1 cluster beams
NT1 colliding beams
NT1 ion beams
NT2 aluminium 27 beams
NT2 argon 38 beams
NT2 argon 40 beams
NT2 beryllium 9 beams
NT2 bismuth 209 beams
NT2 boron 10 beams
NT2 boron 11 beams
NT2 bromine 79 beams
NT2 calcium 40 beams
NT2 calcium 48 beams
NT2 carbon 12 beams
NT2 carbon 13 beams
NT2 chlorine 35 beams
NT2 chlorine 37 beams
NT2 copper 63 beams
NT2 deuteron beams
NT2 fluorine 19 beams
NT2 gadolinium 155 beams
NT2 germanium 74 beams
NT2 germanium 76 beams
NT2 gold 197 beams
NT2 helium 3 beams
NT2 helium 4 beams
NT3 alpha beams
NT2 hydrogen 1 minus beams
NT2 iodine 127 beams
NT2 iron 56 beams
NT2 iron 58 beams
NT2 krypton 84 beams
NT2 krypton 86 beams
NT2 lanthanum 139 beams
NT2 lead 208 beams
NT2 lithium 6 beams
NT2 lithium 7 beams
NT2 magnesium 24 beams
NT2 magnesium 25 beams
NT2 neon 20 beams
NT2 neon 22 beams
NT2 nickel 58 beams
NT2 nickel 60 beams
NT2 nitrogen 14 beams
NT2 nitrogen 15 beams
NT2 oxygen 16 beams
NT2 oxygen 18 beams
NT2 phosphorus 31 beams
NT2 potassium 39 beams
NT2 potassium 41 beams
NT2 radioactive ion beams
NT3 argon 39 beams
NT3 beryllium 7 beams
NT3 carbon 10 beams
NT3 carbon 11 beams
NT3 carbon 14 beams
NT3 chlorine 39 beams
NT3 helium 8 beams
NT3 neon 19 beams
NT3 nitrogen 13 beams
NT3 sulfur 38 beams
NT3 triton beams
NT3 uranium 238 beams
NT2 silicon 28 beams
NT2 silicon 29 beams
NT2 silver 107 beams
NT2 sodium 23 beams
NT2 sulfur 32 beams
NT2 tin 120 beams
NT2 titanium 48 beams
NT2 titanium 50 beams
NT2 tungsten 184 beams
NT2 xenon 129 beams
NT2 xenon 131 beams
NT2 xenon 132 beams
NT2 xenon 136 beams
NT1 molecular beams
NT1 particle beams
NT2 hyperon beams
NT3 lambda particle beams
NT3 sigma particle beams
NT2 lepton beams
NT3 electron beams
NT3 muon beams
NT3 neutrino beams
NT4 antineutrino beams
NT3 positron beams
NT2 meson beams
NT3 eta meson beams
NT3 kaon beams
NT3 pion beams
NT2 nucleon beams
NT3 neutron beams
NT3 proton beams
NT1 photon beams
NT1 polarized beams
NT1 secondary beams
NT2 carbon 11 beams
NT2 helium 8 beams
RT beam pulsers
RT beam-plasma systems
RT stern-gerlach experiment

beams (structural)
Use structural beams

bean plant
Use phaseolus

BEANS
*BT1 vegetables
NT1 mungbeans
RT phaseolus
RT seeds

BEARINGS
NT1 ball bearings
NT1 gas bearings
NT1 hydrostatic bearings
NT1 journal bearings
NT1 magnetic bearings
NT1 roller bearings
RT bushings
RT lubrication
RT tribology
RT wear

BEARS
INIS: Apr 1993; ETDE: Jul 1986
(Ursidae)
*BT1 mammals

BEAT WAVE ACCELERATORS
INIS: Feb 1988; ETDE: Sep 1987
(Laser-driven accelerators using the concept in which two laser beams are superimposed in a plasma, the difference of their frequency being the natural frequency of oscillation of the plasma.)
*BT1 linear accelerators
RT laser radiation
RT plasma waves

BEAUFORT SEA
INIS: Sep 1991; ETDE: Apr 1977
*BT1 arctic ocean
NT1 prudhoe bay

BEAUTY BARYONS
INIS: Dec 1987; ETDE: Feb 1988
UF *bottom baryons*
*BT1 baryons
*BT1 beauty particles
NT1 lambda b neutral baryons

BEAUTY MESONS
INIS: Dec 1987; ETDE: Feb 1988
UF *bottom mesons*
*BT1 beauty particles
*BT1 mesons
NT1 b c mesons
NT1 b mesons
NT2 b minus mesons
NT2 b neutral mesons
NT3 anti-b neutral mesons
NT2 b plus mesons
NT1 b s mesons
NT1 b*-5325 mesons

beauty model
Use flavor model

BEAUTY PARTICLES
INIS: Jan 1982; ETDE: Apr 1979
UF *bottom particles*
BT1 elementary particles
NT1 b quarks
NT1 beauty baryons
NT2 lambda b neutral baryons
NT1 beauty mesons
NT2 b c mesons
NT2 b mesons
NT3 b minus mesons
NT3 b neutral mesons
NT4 anti-b neutral mesons
NT3 b plus mesons
NT2 b s mesons
NT2 b*-5325 mesons
RT bottomonium
RT flavor model
RT quark model
RT top particles

BEAVER VALLEY-1 REACTOR
(Shippingport Pennsylvania, USA)
*BT1 pwr type reactors

BEAVER VALLEY-2 REACTOR
(Shippingport Pennsylvania, USA)
*BT1 pwr type reactors

beaverlodge
Use saskatchewan

BEAVERLODGE MINE
INIS: Oct 1975; ETDE: Dec 1975
(Saskatchewan, Canada)
*BT1 uranium mines
RT saskatchewan

BEAVON PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process for sulfur removal for purification of claus unit tail gas to well below 250 ppm of sulfur dioxide; process combines hydrogenation, cooling, and wet oxidative extraction and yields sulfur by-product.)
*BT1 desulfurization

beck cycle
See lift cycles
OR mist-lift cycles

BECQUERELITE
*BT1 oxide minerals
*BT1 uranium minerals
RT calcium oxides
RT uranium oxides

BEDROCK PROJECT
INIS: Nov 1976; ETDE: Jul 1976
UF *hushed echo event*
UF *project bedrock*
UF *stilton-hushed echo event*
*BT1 nuclear explosions
RT contained explosions
RT underground explosions

BEDT-TTF
INIS: Apr 1993; ETDE: Nov 1985
UF *bisethylenedithiolotetrathiafulvalene*
*BT1 heterocyclic compounds
*BT1 organic sulfur compounds
*BT1 organic superconductors

BEECH TREES
INIS: Dec 1991; ETDE: Sep 1978
*BT1 magnoliopsida
*BT1 trees

beef
Use meat

beehive coke
Use coke

BEES
UF *apis mellifera*
*BT1 hymenoptera

BEETLES
UF *weevils*
*BT1 coleoptera
NT1 boll weevil
NT1 tribolium

BEETS
*BT1 magnoliopsida
*BT1 vegetables
NT1 sugar beets

BEHAVIOR
(Limited to living systems.)
SF *life styles*
SF *psychology*
SF *way of life*
NT1 avoidance
RT attitudes
RT biological adaptation
RT central nervous system
RT central nervous system agents
RT central nervous system depressants
RT cerebral cortex
RT competition
RT human factors
RT insect dispersal
RT learning
RT leisure time activities
RT mating
RT mental disorders
RT physiology
RT predator-prey interactions
RT public anxiety
RT reflexes
RT safety culture

BEIJING ELECTRON-POSITRON COLLIDER
INIS: Oct 1992; ETDE: Nov 1992
*BT1 linear accelerators
BT1 storage rings

BEIJING PROTON LINAC
INIS: Oct 1992; ETDE: Nov 1992
*BT1 linear accelerators

BELARUS
INIS: Feb 1993; ETDE: Mar 1993
(Until January 1993, this was indexed by BYELORUSSIAN SSR.)
UF *byelorussian ssr*
SF *soviet union*
SF *union of soviet socialist republics*
SF *ussr*
*BT1 eastern europe

BELGIAN ORGANIZATIONS
INIS: Sep 1980; ETDE: Oct 1980
BT1 national organizations

belgian reactor 02
Use br-02 reactor

belgian reactor 1
Use br-1 reactor

belgian reactor 2
Use br-2 reactor

belgian reactor 3
Use br-3 reactor

belgian reactor-3/vulcain
Use br-3-vn reactor

BELGIUM
BT1 developed countries
*BT1 western europe
RT oecd

BELIZE
INIS: Apr 1997; ETDE: Dec 1979
*BT1 central america
BT1 developing countries

bell inequality
Use bell theorem

BELL REACTOR
*BT1 bwr type reactors

BELL THEOREM
INIS: Oct 1977; ETDE: Nov 1976
(A theorem proving certain quantum mechanical predictions are inconsistent with the entire family of local hidden variable theories.)
UF *bell inequality*
RT hidden variables
RT quantum mechanics

BELLEFONTE-1 REACTOR
(Scottsboro, Alabama, USA)
*BT1 pwr type reactors

BELLEFONTE-2 REACTOR
(Scottsboro, Alabama, USA)
*BT1 pwr type reactors

BELLEVILLE SUR LOIRE-1 REACTOR
INIS: Jul 1984; ETDE: Sep 1984
*BT1 pwr type reactors

BELLEVILLE SUR LOIRE-2 REACTOR
INIS: Jul 1984; ETDE: Sep 1984
*BT1 pwr type reactors

BELLOWS
(Use only for the expandable structure. Coordinate with descriptors for the device of which the bellows is a component, e.g., VALVES or BLOWERS.)
RT blowers
RT expansion joints
RT pressure gages
RT pumps
RT valves

BELOYARSK-1 REACTOR
(Zarechnyy, Sverdlovsk, Russian Federation)
UF *bnps-1 reactor*
SF *urals atomic power station*
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors

*BT1 thermal reactors

BELOYARSK-2 REACTOR
(Zarechnyy, Sverdlovsk, Russian Federation)
UF *bnps-2 reactor*
SF *urals atomic power station*
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

BELOYARSK-3 REACTOR
(Zarechnyy, Sverdlovsk, Russian Federation)
UF *bn-600 reactor*
SF *urals atomic power station*
*BT1 lmfbr type reactors
*BT1 power reactors
*BT1 sodium cooled reactors
RT enriched uranium reactors
RT plutonium reactors

BELOYARSK-4 REACTOR
INIS: Jan 1990; ETDE: Feb 1990
(Zarechnyy, Sverdlovsk, Russian Federation)
*BT1 lmfbr type reactors
*BT1 power reactors
*BT1 sodium cooled reactors

BELT CONVEYORS
INIS: Jul 1992; ETDE: Aug 1980
*BT1 conveyors
RT coal mining
RT mining

BELT PINCH
*BT1 longitudinal pinch

BELYAEV THEORY
RT nuclear structure
RT superconductivity

BENCH-SCALE EXPERIMENTS
INIS: May 1981; ETDE: Jan 1975
UF *laboratory scale experiments*
RT demonstration plants
RT feasibility studies
RT field tests
RT laboratory equipment
RT process development units
RT testing

benchmark experiments
Use benchmarks

BENCHMARKS
INIS: May 1979; ETDE: Sep 1978
UF *benchmark experiments*
RT experimental data
RT standardization
RT standards

BENDING
BT1 deformation
RT flexural strength

BENFIELD PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process for removal of carbon dioxide, hydrogen sulfide, and COS from sour natural gas and raw gases produced during manufacture of substitute natural gas by partial oxidation of coal or oil or by naphtha reforming.)
*BT1 desulfurization

benham event
Use nuclear explosions
AND underground explosions

beni oil
Use sesame oil

BENIN
INIS: Jun 1992; ETDE: Jul 1981
UF *dahomey*
BT1 africa
RT niger river

benioff zone
Use earthquakes
AND subduction zones

benne oil
Use sesame oil

BENTHOS
INIS: Apr 1984; ETDE: Jul 1976
(Aquatic bottom dwelling organisms.)
BT1 aquatic organisms
NT1 echinoderms
NT2 sea urchins
RT aquatic ecosystems
RT molluscs

BENTONITE
(A soft, plastic, porous, light-colored rock consisting largely of coloidal silica and composed essentially of clay minerals (chiefly of the montmorillonite group).)
*BT1 clays
*BT1 inorganic ion exchangers
RT montmorillonite

BENZALDEHYDE
UF *benzoic aldehyde*
*BT1 aldehydes

BENZANTHRACENE
*BT1 condensed aromatics
*BT1 hydrocarbons

BENZEDRINE
UF *phenylisopropylamine*
*BT1 amphetamines

BENZENE
*BT1 aromatics
*BT1 hydrocarbons
RT aniline
RT nitrobenzene

benzenedicarboxylic acid-ortho
Use phthalic acid

benzenedicarboxylic acid-para
Use terephthalic acid

BENZHYDROL
UF *benzohydrol*
UF *diphenylcarbinol*
UF *diphenylmethanol*
*BT1 alcohols

BENZIDINE
UF *biphenyldiamine*
UF *diaminobiphenyl*
*BT1 amines
*BT1 aromatics
RT biphenyl

BENZILIC ACID
UF *diphenylglycolic acid*
UF *hydroxydiphenylacetic acid*
*BT1 hydroxy acids

BENZIMIDAZOLES
*BT1 imidazoles

benzine
Use ligroin

BENZOFURANS
*BT1 furans
RT organic polymers
RT psoralen

benzohydrol
Use benzhydrol

BENZOHYDROXAMIC ACID
*BT1 hydroxamic acids
RT benzoic acid

BENZOIC ACID
*BT1 monocarboxylic acids
RT benzohydroxamic acid
RT benzoyl peroxide

benzoic aldehyde
Use benzaldehyde

BENZOINOXIME
*BT1 oximes

BENZOPHENONE
UF *diphenyl ketone*
*BT1 ketones

benzopinacol
Use glycols

BENZOPYRENE
*BT1 condensed aromatics
*BT1 hydrocarbons

benzopyrroles
Use indoles

BENZOQUINONES
(Prior to March 1997 QUINHYDRONE was a valid ETDE descriptor.)
UF *chinone*
UF *quinhydrone*
UF *quinone*
*BT1 quinones
NT1 chloranil
NT1 chloranilic acid
NT1 plastoquinone
NT1 ubiquinone

BENZOTHIAZOLES
*BT1 thiazoles

benzothiophenes
Use thionaphthenes

BENZOXAZOLES
*BT1 oxazoles

BENZOYL PEROXIDE
*BT1 organic oxygen compounds
*BT1 peroxides
RT benzoic acid

BENZOYL RADICALS
BT1 radicals

benzoylaminoacetic acid
Use hippuric acid

BENZOYLATION
*BT1 acylation

benzoylglycine
Use hippuric acid

benzoylglycocoll
Use hippuric acid

benzoylphenylhydroxylamine
Use bph

BENZYL ALCOHOL
INIS: Feb 1982; ETDE: Feb 1982
UF *phenylcarbinol*
*BT1 alcohols
*BT1 aromatics

BENZYL RADICALS
*BT1 aryl radicals

BEPO REACTOR
UF *british experimental pile operation*
*BT1 air cooled reactors
*BT1 graphite moderated reactors
*BT1 isotope production reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 thermal reactors

BEPPU GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Sep 1977
BT1 geothermal fields
RT japan

BER-2 REACTOR
(Hahn-Meitner-Institute fuer Kernforschung GmbH, Berlin, Federal Republic of Germany)
UF *berlin-2 research reactor*
UF *forschungsreaktor berlin-2*
*BT1 aqueous homogeneous reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

bergbauforschung-foster wheeler process
Use desulfurization

BERGBAUFORSCHUNG PROCESS
INIS: Apr 2000; ETDE: Sep 1977
(Sulfur dioxide removal at 120 to 150 degrees C by adsorption on activated cokes with sulfur recovery.)
*BT1 desulfurization
RT waste processing

BERGIUS PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Catalytic conversion of coal to synthetic crude oil by treatment with hydrogen at elevated pressures and temperatures.)
*BT1 coal liquefaction

BERING SEA
*BT1 pacific ocean
RT aleutian islands

berkeley bevalac
Use bevalac

berkeley escar storage ring
Use escar storage ring

berkeley nuclear laboratory reactor
See graphite moderated reactors
OR research reactors
OR zero power reactors

BERKELEY REACTOR
(River Severn, Gloucestershire, UK)
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 thermal reactors

berkeley superhilac
Use superhilac

BERKELEY SYNCHROCYCLOTRON
*BT1 synchrocyclotrons

berkeley triga reactor
Use ucbrr reactor

BERKELIUM
*BT1 actinides
*BT1 transplutonium elements

BERKELIUM 240
*BT1 actinide nuclei
*BT1 berkelium isotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

BERKELIUM 241
*BT1 actinide nuclei
*BT1 berkelium isotopes
*BT1 odd-even nuclei

BERKELIUM 242
*BT1 actinide nuclei
*BT1 berkelium isotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 spontaneous fission radioisotopes

BERKELIUM 243
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 berkelium isotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 odd-even nuclei
*BT1 spontaneous fission radioisotopes

BERKELIUM 244
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 berkelium isotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei
*BT1 spontaneous fission radioisotopes

BERKELIUM 245
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 berkelium isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei
*BT1 spontaneous fission radioisotopes

BERKELIUM 246
*BT1 actinide nuclei
*BT1 berkelium isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei

BERKELIUM 247
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 berkelium isotopes
*BT1 odd-even nuclei
*BT1 years living radioisotopes

BERKELIUM 248
*BT1 actinide nuclei
*BT1 berkelium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei

BERKELIUM 249
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 berkelium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 odd-even nuclei
*BT1 spontaneous fission radioisotopes

BERKELIUM 249 TARGET
INIS: Oct 1976; ETDE: Nov 1976
BT1 targets

BERKELIUM 250
*BT1 actinide nuclei
*BT1 berkelium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei

BERKELIUM 251
*BT1 actinide nuclei
*BT1 berkelium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

berkelium additions
Use alloys

BERKELIUM ALLOYS
INIS: Apr 1979; ETDE: Oct 1978
(Alloys containing more than 1% Bk.)
*BT1 actinide alloys

berkelium arsenides
Use arsenides
AND berkelium compounds

berkelium bromides
Use berkelium compounds
AND bromides

BERKELIUM CHLORIDES
*BT1 berkelium compounds
*BT1 chlorides

BERKELIUM COMPLEXES
*BT1 actinide complexes
*BT1 transuranium complexes

BERKELIUM COMPOUNDS
UF+ *berkelium arsenides*
UF+ *berkelium bromides*
UF+ *berkelium hydrides*
UF+ *berkelium nitrides*
UF+ *berkelium phosphates*
UF+ *berkelium phosphides*
UF+ *berkelium selenides*
UF+ *berkelium sulfates*
UF+ *berkelium sulfides*
UF+ *berkelium tellurides*
BT1 actinide compounds
*BT1 transplutonium compounds
NT1 berkelium chlorides
NT1 berkelium fluorides
NT1 berkelium nitrates
NT1 berkelium oxides

BERKELIUM FLUORIDES
*BT1 berkelium compounds
*BT1 fluorides

berkelium hydrides
Use berkelium compounds
AND hydrides

BERKELIUM IONS
*BT1 ions

BERKELIUM ISOTOPES
BT1 isotopes
NT1 berkelium 240
NT1 berkelium 241
NT1 berkelium 242
NT1 berkelium 243
NT1 berkelium 244
NT1 berkelium 245
NT1 berkelium 246
NT1 berkelium 247

NT1 berkelium 248
NT1 berkelium 249
NT1 berkelium 250
NT1 berkelium 251

BERKELIUM NITRATES
*BT1 berkelium compounds
*BT1 nitrates

berkelium nitrides
Use berkelium compounds
AND nitrides

BERKELIUM OXIDES
*BT1 berkelium compounds
*BT1 oxides

berkelium phosphates
Use berkelium compounds
AND phosphates

berkelium phosphides
Use berkelium compounds
AND phosphides

berkelium selenides
Use berkelium compounds
AND selenides

berkelium sulfates
Use berkelium compounds
AND sulfates

berkelium sulfides
Use berkelium compounds
AND sulfides

berkelium tellurides
Use berkelium compounds
AND tellurides

berl saddles
Use column packing

berlin-2 research reactor
Use ber-2 reactor

berms
Use earth berms

BERMUDA
INIS: Feb 1984; ETDE: Jun 1980
BT1 islands
RT atlantic ocean
RT united kingdom

BERNOULLI LAW
RT fluid flow

BERNSTEIN MODE
BT1 oscillation modes
RT cyclotron harmonics
RT ion wave instability
RT ion waves
RT plasma heating

BERRIES
*BT1 fruits
NT1 blueberries
NT1 raspberries
NT1 strawberries

BERYL
*BT1 silicate minerals
RT beryllium silicates

beryllia
Use beryllium oxides

BERYLLIOSIS
*BT1 pneumoconioses
RT beryllium compounds

BERYLLIUM
(Prior to August 1996 BERYLLIUM-ALPHA and BERYLLIUM-BETA were valid ETDE descriptors.)
UF *beryllium moderators*
UF *beryllium-alpha*
UF *beryllium-beta*
*BT1 alkaline earth metals
RT moderators

BERYLLIUM 10
*BT1 beryllium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 years living radioisotopes

BERYLLIUM 10 TARGET
BT1 targets

BERYLLIUM 11
*BT1 beryllium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 seconds living radioisotopes

BERYLLIUM 11 REACTIONS
INIS: Mar 1995; ETDE: Mar 1995
*BT1 heavy ion reactions

BERYLLIUM 11 TARGET
INIS: Sep 1979; ETDE: Oct 1979
BT1 targets

BERYLLIUM 12
*BT1 beryllium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes

BERYLLIUM 13
*BT1 beryllium isotopes
*BT1 even-odd nuclei
*BT1 light nuclei

BERYLLIUM 14
*BT1 beryllium isotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes

BERYLLIUM 5
*BT1 beryllium isotopes
*BT1 even-odd nuclei
*BT1 light nuclei

BERYLLIUM 6
*BT1 beryllium isotopes
*BT1 even-even nuclei
*BT1 light nuclei

BERYLLIUM 6 TARGET
INIS: Sep 1992; ETDE: May 1977
BT1 targets

BERYLLIUM 7
*BT1 beryllium isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
RT beryllium 7 beams
RT beryllium 7 reactions

BERYLLIUM 7 BEAMS
*BT1 radioactive ion beams
RT beryllium 7

BERYLLIUM 7 REACTIONS
INIS: Jan 1984; ETDE: Oct 1985
*BT1 heavy ion reactions
RT beryllium 7

BERYLLIUM 7 TARGET
INIS: Nov 1976; ETDE: Dec 1976
BT1 targets

BERYLLIUM 8
*BT1 alpha decay radioisotopes
*BT1 beryllium isotopes
*BT1 even-even nuclei
*BT1 light nuclei

BERYLLIUM 8 REACTIONS
INIS: Sep 1983; ETDE: Jan 1981
*BT1 heavy ion reactions

BERYLLIUM 8 TARGET
INIS: Feb 1979; ETDE: Mar 1979
BT1 targets

BERYLLIUM 9
*BT1 beryllium isotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 stable isotopes
RT beryllium 9 beams

BERYLLIUM 9 BEAMS
*BT1 ion beams
RT beryllium 9

BERYLLIUM 9 REACTIONS
*BT1 heavy ion reactions

BERYLLIUM 9 TARGET
BT1 targets

BERYLLIUM ADDITIONS
(Alloys containing not more than 1% Be are listed here.)
*BT1 beryllium alloys

BERYLLIUM ALLOYS
(Alloys containing more than 1% Be.)
BT1 alloys
NT1 beryllium additions
NT1 beryllium base alloys
RT moderators

beryllium-alpha
Use beryllium

BERYLLIUM BASE ALLOYS
*BT1 beryllium alloys

beryllium-beta
Use beryllium

BERYLLIUM BORIDES
*BT1 beryllium compounds
*BT1 borides

BERYLLIUM BROMIDES
*BT1 beryllium compounds
*BT1 bromides

BERYLLIUM CARBIDES
*BT1 beryllium compounds
*BT1 carbides

BERYLLIUM CARBONATES
*BT1 beryllium compounds
*BT1 carbonates

BERYLLIUM CHLORIDES
*BT1 beryllium compounds
*BT1 chlorides

BERYLLIUM COMPLEXES
*BT1 alkaline earth metal complexes

BERYLLIUM COMPOUNDS
UF+ *beryllium iodides*
UF+ *beryllium phosphides*
UF+ *beryllium sulfides*
SF *gadolinite*
BT1 alkaline earth metal compounds
NT1 beryllium borides
NT1 beryllium bromides
NT1 beryllium carbides
NT1 beryllium carbonates
NT1 beryllium chlorides
NT1 beryllium fluorides
NT1 beryllium hydrides
NT1 beryllium hydroxides
NT1 beryllium nitrates
NT1 beryllium nitrides
NT1 beryllium oxides
NT1 beryllium phosphates
NT1 beryllium selenides
NT1 beryllium silicates
NT1 beryllium sulfates
NT1 beryllium tellurides
RT berylliosis
RT moderators

BERYLLIUM FLUORIDES
*BT1 beryllium compounds
*BT1 fluorides
RT flibe

BERYLLIUM HYDRIDES
*BT1 beryllium compounds
*BT1 hydrides

BERYLLIUM HYDROXIDES
*BT1 beryllium compounds
*BT1 hydroxides

beryllium iodides
Use beryllium compounds
AND iodides

BERYLLIUM IONS
*BT1 ions

BERYLLIUM ISOTOPES
*BT1 alkaline earth isotopes
NT1 beryllium 10
NT1 beryllium 11
NT1 beryllium 12
NT1 beryllium 13
NT1 beryllium 14
NT1 beryllium 5
NT1 beryllium 6
NT1 beryllium 7
NT1 beryllium 8
NT1 beryllium 9

BERYLLIUM MODERATED REACTORS
UF+ *in-core thermionic reactor*
UF+ *itr reactor*
*BT1 metal moderated reactors
NT1 agata reactor
NT1 br-02 reactor
NT1 ebor reactor
NT1 ewg-1 reactor
NT1 maria reactor
NT1 nuclear furnace reactor

beryllium moderators
Use beryllium

BERYLLIUM NITRATES
*BT1 beryllium compounds
*BT1 nitrates

BERYLLIUM NITRIDES
*BT1 beryllium compounds
*BT1 nitrides

BERYLLIUM OXIDES
UF *beryllia*
*BT1 beryllium compounds
*BT1 oxides
RT chrysoberyl
RT moderators

BERYLLIUM PHOSPHATES
*BT1 beryllium compounds
*BT1 phosphates

beryllium phosphides
Use beryllium compounds
AND phosphides

BERYLLIUM SELENIDES
INIS: Apr 2000; ETDE: May 1977
*BT1 beryllium compounds
*BT1 selenides

BERYLLIUM SILICATES
*BT1 beryllium compounds
*BT1 silicates
RT beryl
RT helvite
RT silicate minerals

BERYLLIUM SULFATES
*BT1 beryllium compounds
*BT1 sulfates

beryllium sulfides
Use beryllium compounds
AND sulfides

BERYLLIUM TELLURIDES
INIS: Sep 1991; ETDE: May 1977
*BT1 beryllium compounds
*BT1 tellurides

beryllon
Use arsonic acids
AND azo dyes
AND dicarboxylic acids
AND naphthols
AND sulfonic acids

BESM COMPUTERS
BT1 computers

bessel differential equation
Use fokker-planck equation

BESSEL FUNCTIONS
UF *hankel functions*
UF *neumann functions*
BT1 functions
RT neumann series

BESSY STORAGE RING
INIS: Apr 1985; ETDE: May 1985
(Berliner Elektronenspeicherring-Gesellschaft fuer Synchrotronstrahlung.)
BT1 storage rings

beta backscattering gages
Use radiometric gages

beta beams (electrons)
Use electron beams

beta beams (positrons)
Use positron beams

BETA DECAY
(Neutron and nuclear beta decay.)
SF *way-wigner formula*
*BT1 nuclear decay
NT1 beta-minus decay
NT2 double beta decay
NT1 beta-plus decay
NT1 electron capture decay
NT2 k capture
NT2 l capture
NT2 m capture
RT beta decay radioisotopes
RT beta particles
RT beta spectra
RT fermi plot
RT feynman-gell-mann theory
RT fierz interference
RT ft value
RT gamow-teller rules
RT internal ionization
RT knipp-uhlenbeck theory
RT lee-yang theory
RT semileptonic decay
RT two-component neutrino theory

BETA DECAY RADIOISOTOPES
*BT1 radioisotopes
NT1 beta-minus decay radioisotopes
NT2 actinium 226
NT2 actinium 227
NT2 actinium 228
NT2 actinium 229
NT2 actinium 230
NT2 actinium 231
NT2 actinium 232
NT2 actinium 233
NT2 actinium 234
NT2 aluminium 28
NT2 aluminium 29
NT2 aluminium 30
NT2 aluminium 31
NT2 aluminium 32
NT2 aluminium 34
NT2 aluminium 36
NT2 aluminium 37
NT2 americium 242
NT2 americium 244
NT2 americium 245
NT2 americium 246
NT2 americium 247
NT2 antimony 122
NT2 antimony 124
NT2 antimony 125
NT2 antimony 126
NT2 antimony 127
NT2 antimony 128
NT2 antimony 129
NT2 antimony 130
NT2 antimony 131
NT2 antimony 132
NT2 antimony 133
NT2 antimony 134
NT2 antimony 135
NT2 antimony 136
NT2 argon 39
NT2 argon 41
NT2 argon 42
NT2 argon 43
NT2 argon 44
NT2 argon 45
NT2 argon 46
NT2 arsenic 74
NT2 arsenic 76
NT2 arsenic 77
NT2 arsenic 78
NT2 arsenic 79
NT2 arsenic 80
NT2 arsenic 81
NT2 arsenic 82
NT2 arsenic 83
NT2 arsenic 84
NT2 arsenic 85
NT2 arsenic 86

NT2 arsenic 87
NT2 astatine 217
NT2 astatine 218
NT2 astatine 219
NT2 astatine 220
NT2 astatine 221
NT2 astatine 222
NT2 astatine 223
NT2 barium 139
NT2 barium 140
NT2 barium 141
NT2 barium 142
NT2 barium 143
NT2 barium 144
NT2 barium 145
NT2 barium 146
NT2 barium 147
NT2 barium 148
NT2 barium 149
NT2 berkelium 248
NT2 berkelium 249
NT2 berkelium 250
NT2 berkelium 251
NT2 beryllium 10
NT2 beryllium 11
NT2 beryllium 12
NT2 beryllium 14
NT2 bismuth 210
NT2 bismuth 211
NT2 bismuth 212
NT2 bismuth 213
NT2 bismuth 214
NT2 bismuth 215
NT2 bismuth 216
NT2 boron 12
NT2 boron 13
NT2 boron 14
NT2 boron 15
NT2 boron 16
NT2 boron 17
NT2 boron 19
NT2 bromine 80
NT2 bromine 82
NT2 bromine 83
NT2 bromine 84
NT2 bromine 85
NT2 bromine 86
NT2 bromine 87
NT2 bromine 88
NT2 bromine 89
NT2 bromine 90
NT2 bromine 91
NT2 bromine 92
NT2 bromine 93
NT2 cadmium 113
NT2 cadmium 115
NT2 cadmium 117
NT2 cadmium 118
NT2 cadmium 119
NT2 cadmium 120
NT2 cadmium 121
NT2 cadmium 122
NT2 cadmium 123
NT2 cadmium 124
NT2 cadmium 125
NT2 cadmium 126
NT2 cadmium 127
NT2 cadmium 128
NT2 cadmium 130
NT2 calcium 45
NT2 calcium 47
NT2 calcium 49
NT2 calcium 50
NT2 calcium 51
NT2 calcium 52
NT2 calcium 53
NT2 californium 253
NT2 californium 255
NT2 carbon 14
NT2 carbon 15
NT2 carbon 16
NT2 carbon 17
NT2 carbon 18
NT2 cerium 141
NT2 cerium 143
NT2 cerium 144
NT2 cerium 145
NT2 cerium 146
NT2 cerium 147
NT2 cerium 148
NT2 cerium 149
NT2 cerium 150
NT2 cerium 151
NT2 cerium 152
NT2 cesium 130
NT2 cesium 132
NT2 cesium 134
NT2 cesium 135
NT2 cesium 136
NT2 cesium 137
NT2 cesium 138
NT2 cesium 139
NT2 cesium 140
NT2 cesium 141
NT2 cesium 142
NT2 cesium 143
NT2 cesium 144
NT2 cesium 145
NT2 cesium 146
NT2 cesium 147
NT2 cesium 148
NT2 cesium 149
NT2 cesium 150
NT2 chlorine 36
NT2 chlorine 38
NT2 chlorine 39
NT2 chlorine 40
NT2 chlorine 41
NT2 chromium 55
NT2 chromium 56
NT2 chromium 57
NT2 chromium 58
NT2 chromium 59
NT2 chromium 60
NT2 cobalt 60
NT2 cobalt 61
NT2 cobalt 62
NT2 cobalt 63
NT2 cobalt 64
NT2 cobalt 65
NT2 cobalt 66
NT2 cobalt 67
NT2 copper 64
NT2 copper 66
NT2 copper 67
NT2 copper 68
NT2 copper 69
NT2 copper 70
NT2 copper 71
NT2 copper 72
NT2 copper 73
NT2 copper 74
NT2 copper 75
NT2 copper 76
NT2 copper 77
NT2 copper 78
NT2 copper 79
NT2 curium 249
NT2 curium 250
NT2 curium 251
NT2 dysprosium 165
NT2 dysprosium 166
NT2 dysprosium 167
NT2 dysprosium 168
NT2 dysprosium 169
NT2 einsteinium 254
NT2 einsteinium 255
NT2 einsteinium 256
NT2 erbium 169
NT2 erbium 171
NT2 erbium 172
NT2 erbium 173
NT2 erbium 174
NT2 erbium 175
NT2 europium 150
NT2 europium 152
NT2 europium 154
NT2 europium 155
NT2 europium 156
NT2 europium 157
NT2 europium 158
NT2 europium 159
NT2 europium 160
NT2 europium 161
NT2 europium 162
NT2 fluorine 20
NT2 fluorine 21
NT2 fluorine 22
NT2 fluorine 23
NT2 fluorine 24
NT2 fluorine 25
NT2 fluorine 26
NT2 fluorine 27
NT2 francium 220
NT2 francium 222
NT2 francium 223
NT2 francium 224
NT2 francium 225
NT2 francium 226
NT2 francium 227
NT2 francium 228
NT2 francium 229
NT2 francium 230
NT2 francium 231
NT2 gadolinium 159
NT2 gadolinium 161
NT2 gadolinium 162
NT2 gadolinium 163
NT2 gadolinium 164
NT2 gadolinium 165
NT2 gallium 70
NT2 gallium 72
NT2 gallium 73
NT2 gallium 74
NT2 gallium 75
NT2 gallium 76
NT2 gallium 77
NT2 gallium 78
NT2 gallium 79
NT2 gallium 80
NT2 gallium 81
NT2 gallium 82
NT2 gallium 83
NT2 gallium 84
NT2 germanium 75
NT2 germanium 77
NT2 germanium 78
NT2 germanium 79
NT2 germanium 80
NT2 germanium 81
NT2 germanium 82
NT2 germanium 83
NT2 germanium 84
NT2 germanium 85
NT2 gold 196
NT2 gold 198
NT2 gold 199
NT2 gold 200
NT2 gold 201
NT2 gold 202
NT2 gold 203
NT2 gold 204
NT2 gold 205
NT2 hafnium 181
NT2 hafnium 182
NT2 hafnium 183
NT2 hafnium 184

NT2 helium 6
NT2 helium 7
NT2 helium 8
NT2 holmium 164
NT2 holmium 166
NT2 holmium 167
NT2 holmium 168
NT2 holmium 169
NT2 holmium 170
NT2 holmium 171
NT2 holmium 172
NT2 indium 112
NT2 indium 114
NT2 indium 115
NT2 indium 116
NT2 indium 117
NT2 indium 118
NT2 indium 119
NT2 indium 120
NT2 indium 121
NT2 indium 122
NT2 indium 123
NT2 indium 124
NT2 indium 125
NT2 indium 126
NT2 indium 127
NT2 indium 128
NT2 indium 129
NT2 indium 130
NT2 indium 131
NT2 indium 132
NT2 indium 133
NT2 indium 134
NT2 indium 135
NT2 iodine 126
NT2 iodine 128
NT2 iodine 129
NT2 iodine 130
NT2 iodine 131
NT2 iodine 132
NT2 iodine 133
NT2 iodine 134
NT2 iodine 135
NT2 iodine 136
NT2 iodine 137
NT2 iodine 138
NT2 iodine 139
NT2 iodine 140
NT2 iodine 141
NT2 iodine 142
NT2 iridium 192
NT2 iridium 194
NT2 iridium 195
NT2 iridium 196
NT2 iridium 197
NT2 iridium 198
NT2 iron 59
NT2 iron 60
NT2 iron 61
NT2 iron 62
NT2 iron 63
NT2 iron 64
NT2 krypton 85
NT2 krypton 87
NT2 krypton 88
NT2 krypton 89
NT2 krypton 90
NT2 krypton 91
NT2 krypton 92
NT2 krypton 93
NT2 krypton 94
NT2 krypton 95
NT2 krypton 97
NT2 lanthanum 138
NT2 lanthanum 140
NT2 lanthanum 141
NT2 lanthanum 142
NT2 lanthanum 143
NT2 lanthanum 144
NT2 lanthanum 145
NT2 lanthanum 146
NT2 lanthanum 147
NT2 lanthanum 148
NT2 lanthanum 149
NT2 lanthanum 150
NT2 lead 209
NT2 lead 210
NT2 lead 211
NT2 lead 212
NT2 lead 213
NT2 lead 214
NT2 lithium 11
NT2 lithium 13
NT2 lithium 8
NT2 lithium 9
NT2 lutetium 176
NT2 lutetium 177
NT2 lutetium 178
NT2 lutetium 179
NT2 lutetium 180
NT2 lutetium 181
NT2 lutetium 182
NT2 lutetium 183
NT2 lutetium 184
NT2 lutetium 187
NT2 magnesium 27
NT2 magnesium 28
NT2 magnesium 29
NT2 magnesium 30
NT2 magnesium 31
NT2 magnesium 32
NT2 magnesium 33
NT2 magnesium 34
NT2 manganese 56
NT2 manganese 57
NT2 manganese 58
NT2 manganese 59
NT2 manganese 60
NT2 manganese 61
NT2 manganese 62
NT2 manganese 63
NT2 mercury 203
NT2 mercury 205
NT2 mercury 206
NT2 molybdenum 101
NT2 molybdenum 102
NT2 molybdenum 103
NT2 molybdenum 104
NT2 molybdenum 105
NT2 molybdenum 106
NT2 molybdenum 107
NT2 molybdenum 108
NT2 molybdenum 109
NT2 molybdenum 99
NT2 neodymium 147
NT2 neodymium 149
NT2 neodymium 151
NT2 neodymium 152
NT2 neodymium 153
NT2 neodymium 154
NT2 neodymium 155
NT2 neodymium 156
NT2 neon 23
NT2 neon 24
NT2 neon 25
NT2 neon 26
NT2 neon 27
NT2 neon 29
NT2 neon 30
NT2 neptunium 236
NT2 neptunium 238
NT2 neptunium 239
NT2 neptunium 240
NT2 neptunium 241
NT2 neptunium 242
NT2 neptunium 243
NT2 neptunium 244
NT2 neutron-rich isotopes
NT2 nickel 63
NT2 nickel 65
NT2 nickel 66
NT2 nickel 67
NT2 nickel 69
NT2 nickel 71
NT2 nickel 72
NT2 nickel 73
NT2 nickel 74
NT2 niobium 100
NT2 niobium 101
NT2 niobium 102
NT2 niobium 103
NT2 niobium 104
NT2 niobium 105
NT2 niobium 106
NT2 niobium 108
NT2 niobium 94
NT2 niobium 95
NT2 niobium 96
NT2 niobium 97
NT2 niobium 98
NT2 niobium 99
NT2 nitrogen 16
NT2 nitrogen 17
NT2 nitrogen 18
NT2 nitrogen 19
NT2 nitrogen 20
NT2 nitrogen 22
NT2 nitrogen 23
NT2 osmium 191
NT2 osmium 193
NT2 osmium 194
NT2 osmium 195
NT2 osmium 196
NT2 oxygen 19
NT2 oxygen 20
NT2 oxygen 21
NT2 oxygen 22
NT2 oxygen 23
NT2 oxygen 24
NT2 palladium 107
NT2 palladium 109
NT2 palladium 111
NT2 palladium 112
NT2 palladium 113
NT2 palladium 114
NT2 palladium 115
NT2 palladium 116
NT2 palladium 117
NT2 palladium 118
NT2 palladium 119
NT2 palladium 120
NT2 phosphorus 32
NT2 phosphorus 33
NT2 phosphorus 34
NT2 phosphorus 35
NT2 phosphorus 36
NT2 phosphorus 37
NT2 phosphorus 38
NT2 phosphorus 40
NT2 phosphorus 41
NT2 phosphorus 42
NT2 platinum 197
NT2 platinum 199
NT2 platinum 200
NT2 platinum 201
NT2 plutonium 241
NT2 plutonium 243
NT2 plutonium 245
NT2 plutonium 246
NT2 polonium 215
NT2 polonium 218
NT2 potassium 40
NT2 potassium 42
NT2 potassium 43
NT2 potassium 44
NT2 potassium 45
NT2 potassium 46

NT2 potassium 47
NT2 potassium 48
NT2 potassium 49
NT2 potassium 50
NT2 potassium 51
NT2 potassium 52
NT2 potassium 53
NT2 potassium 54
NT2 praseodymium 142
NT2 praseodymium 143
NT2 praseodymium 144
NT2 praseodymium 145
NT2 praseodymium 146
NT2 praseodymium 147
NT2 praseodymium 148
NT2 praseodymium 149
NT2 praseodymium 150
NT2 praseodymium 151
NT2 praseodymium 152
NT2 praseodymium 153
NT2 praseodymium 154
NT2 promethium 146
NT2 promethium 147
NT2 promethium 148
NT2 promethium 149
NT2 promethium 150
NT2 promethium 151
NT2 promethium 152
NT2 promethium 153
NT2 promethium 154
NT2 promethium 155
NT2 promethium 156
NT2 promethium 157
NT2 promethium 158
NT2 protactinium 230
NT2 protactinium 232
NT2 protactinium 233
NT2 protactinium 234
NT2 protactinium 235
NT2 protactinium 236
NT2 protactinium 237
NT2 protactinium 238
NT2 protactinium 239
NT2 radium 225
NT2 radium 227
NT2 radium 228
NT2 radium 229
NT2 radium 230
NT2 radium 231
NT2 radium 232
NT2 radon 221
NT2 radon 223
NT2 radon 224
NT2 radon 225
NT2 radon 226
NT2 radon 227
NT2 radon 228
NT2 rhenium 186
NT2 rhenium 187
NT2 rhenium 188
NT2 rhenium 189
NT2 rhenium 190
NT2 rhenium 191
NT2 rhenium 192
NT2 rhodium 102
NT2 rhodium 104
NT2 rhodium 105
NT2 rhodium 106
NT2 rhodium 107
NT2 rhodium 108
NT2 rhodium 109
NT2 rhodium 110
NT2 rhodium 111
NT2 rhodium 112
NT2 rhodium 113
NT2 rhodium 114
NT2 rhodium 115
NT2 rhodium 116
NT2 rhodium 117
NT2 rhodium 118
NT2 rubidium 100
NT2 rubidium 84
NT2 rubidium 86
NT2 rubidium 87
NT2 rubidium 88
NT2 rubidium 89
NT2 rubidium 90
NT2 rubidium 91
NT2 rubidium 92
NT2 rubidium 93
NT2 rubidium 94
NT2 rubidium 95
NT2 rubidium 96
NT2 rubidium 97
NT2 rubidium 98
NT2 rubidium 99
NT2 ruthenium 103
NT2 ruthenium 105
NT2 ruthenium 106
NT2 ruthenium 107
NT2 ruthenium 108
NT2 ruthenium 109
NT2 ruthenium 110
NT2 ruthenium 111
NT2 ruthenium 112
NT2 ruthenium 113
NT2 ruthenium 114
NT2 samarium 151
NT2 samarium 153
NT2 samarium 155
NT2 samarium 156
NT2 samarium 157
NT2 samarium 158
NT2 samarium 159
NT2 samarium 160
NT2 scandium 46
NT2 scandium 47
NT2 scandium 48
NT2 scandium 49
NT2 scandium 50
NT2 scandium 51
NT2 scandium 52
NT2 scandium 53
NT2 selenium 79
NT2 selenium 81
NT2 selenium 83
NT2 selenium 84
NT2 selenium 85
NT2 selenium 86
NT2 selenium 87
NT2 selenium 88
NT2 selenium 89
NT2 selenium 91
NT2 silicon 31
NT2 silicon 32
NT2 silicon 33
NT2 silicon 34
NT2 silicon 35
NT2 silicon 36
NT2 silicon 37
NT2 silicon 38
NT2 silicon 39
NT2 silver 108
NT2 silver 110
NT2 silver 111
NT2 silver 112
NT2 silver 113
NT2 silver 114
NT2 silver 115
NT2 silver 116
NT2 silver 117
NT2 silver 118
NT2 silver 119
NT2 silver 120
NT2 silver 121
NT2 silver 122
NT2 silver 123
NT2 sodium 24
NT2 sodium 25
NT2 sodium 26
NT2 sodium 27
NT2 sodium 28
NT2 sodium 29
NT2 sodium 30
NT2 sodium 31
NT2 sodium 32
NT2 sodium 33
NT2 sodium 34
NT2 sodium 35
NT2 strontium 100
NT2 strontium 101
NT2 strontium 102
NT2 strontium 89
NT2 strontium 90
NT2 strontium 91
NT2 strontium 92
NT2 strontium 93
NT2 strontium 94
NT2 strontium 95
NT2 strontium 96
NT2 strontium 97
NT2 strontium 98
NT2 strontium 99
NT2 sulfur 35
NT2 sulfur 37
NT2 sulfur 38
NT2 sulfur 39
NT2 sulfur 40
NT2 sulfur 43
NT2 tantalum 180
NT2 tantalum 182
NT2 tantalum 183
NT2 tantalum 184
NT2 tantalum 185
NT2 tantalum 186
NT2 technetium 100
NT2 technetium 101
NT2 technetium 102
NT2 technetium 103
NT2 technetium 104
NT2 technetium 105
NT2 technetium 106
NT2 technetium 107
NT2 technetium 108
NT2 technetium 109
NT2 technetium 110
NT2 technetium 111
NT2 technetium 112
NT2 technetium 113
NT2 technetium 98
NT2 technetium 99
NT2 tellurium 127
NT2 tellurium 129
NT2 tellurium 131
NT2 tellurium 132
NT2 tellurium 133
NT2 tellurium 134
NT2 tellurium 135
NT2 tellurium 136
NT2 tellurium 137
NT2 tellurium 138
NT2 terbium 156
NT2 terbium 158
NT2 terbium 160
NT2 terbium 161
NT2 terbium 162
NT2 terbium 163
NT2 terbium 164
NT2 terbium 165
NT2 terbium 166
NT2 thallium 204
NT2 thallium 206
NT2 thallium 207
NT2 thallium 208
NT2 thallium 209
NT2 thallium 210
NT2 thorium 231

NT2 thorium 233
NT2 thorium 234
NT2 thorium 235
NT2 thorium 236
NT2 thorium 237
NT2 thulium 168
NT2 thulium 170
NT2 thulium 171
NT2 thulium 172
NT2 thulium 173
NT2 thulium 174
NT2 thulium 175
NT2 thulium 176
NT2 thulium 177
NT2 tin 121
NT2 tin 123
NT2 tin 125
NT2 tin 126
NT2 tin 127
NT2 tin 128
NT2 tin 129
NT2 tin 130
NT2 tin 131
NT2 tin 132
NT2 tin 133
NT2 tin 134
NT2 titanium 51
NT2 titanium 52
NT2 titanium 53
NT2 titanium 54
NT2 titanium 55
NT2 titanium 56
NT2 tritium
NT2 tungsten 185
NT2 tungsten 187
NT2 tungsten 188
NT2 tungsten 189
NT2 uranium 237
NT2 uranium 239
NT2 uranium 240
NT2 uranium 242
NT2 vanadium 50
NT2 vanadium 52
NT2 vanadium 53
NT2 vanadium 54
NT2 vanadium 55
NT2 vanadium 56
NT2 vanadium 57
NT2 vanadium 58
NT2 xenon 133
NT2 xenon 135
NT2 xenon 137
NT2 xenon 138
NT2 xenon 139
NT2 xenon 140
NT2 xenon 141
NT2 xenon 142
NT2 xenon 143
NT2 xenon 144
NT2 xenon 145
NT2 ytterbium 175
NT2 ytterbium 177
NT2 ytterbium 178
NT2 ytterbium 179
NT2 ytterbium 180
NT2 yttrium 100
NT2 yttrium 101
NT2 yttrium 102
NT2 yttrium 103
NT2 yttrium 90
NT2 yttrium 91
NT2 yttrium 92
NT2 yttrium 93
NT2 yttrium 94
NT2 yttrium 95
NT2 yttrium 96
NT2 yttrium 97
NT2 yttrium 98
NT2 yttrium 99
NT2 zinc 69
NT2 zinc 71
NT2 zinc 72
NT2 zinc 73
NT2 zinc 74
NT2 zinc 75
NT2 zinc 76
NT2 zinc 77
NT2 zinc 78
NT2 zinc 79
NT2 zinc 80
NT2 zinc 81
NT2 zirconium 100
NT2 zirconium 101
NT2 zirconium 102
NT2 zirconium 103
NT2 zirconium 93
NT2 zirconium 95
NT2 zirconium 97
NT2 zirconium 98
NT2 zirconium 99

NT1 beta-plus decay radioisotopes

NT2 aluminium 22
NT2 aluminium 23
NT2 aluminium 24
NT2 aluminium 25
NT2 aluminium 26
NT2 americium 235
NT2 americium 236
NT2 antimony 104
NT2 antimony 105
NT2 antimony 108
NT2 antimony 110
NT2 antimony 111
NT2 antimony 112
NT2 antimony 113
NT2 antimony 114
NT2 antimony 115
NT2 antimony 116
NT2 antimony 117
NT2 antimony 118
NT2 antimony 120
NT2 antimony 122
NT2 argon 31
NT2 argon 32
NT2 argon 33
NT2 argon 34
NT2 argon 35
NT2 arsenic 66
NT2 arsenic 67
NT2 arsenic 68
NT2 arsenic 69
NT2 arsenic 70
NT2 arsenic 71
NT2 arsenic 72
NT2 arsenic 74
NT2 astatine 205
NT2 astatine 206
NT2 barium 114
NT2 barium 115
NT2 barium 116
NT2 barium 117
NT2 barium 118
NT2 barium 119
NT2 barium 120
NT2 barium 121
NT2 barium 122
NT2 barium 123
NT2 barium 124
NT2 barium 125
NT2 barium 126
NT2 barium 127
NT2 barium 129
NT2 bismuth 194
NT2 bismuth 197
NT2 bismuth 200
NT2 bismuth 202
NT2 bismuth 203
NT2 bismuth 205
NT2 bismuth 206
NT2 bismuth 207
NT2 boron 8
NT2 bromine 69
NT2 bromine 70
NT2 bromine 71
NT2 bromine 72
NT2 bromine 73
NT2 bromine 74
NT2 bromine 75
NT2 bromine 76
NT2 bromine 77
NT2 bromine 78
NT2 bromine 80
NT2 cadmium 100
NT2 cadmium 101
NT2 cadmium 102
NT2 cadmium 103
NT2 cadmium 104
NT2 cadmium 105
NT2 cadmium 107
NT2 cadmium 97
NT2 cadmium 98
NT2 cadmium 99
NT2 calcium 36
NT2 calcium 37
NT2 calcium 38
NT2 calcium 39
NT2 carbon 10
NT2 carbon 11
NT2 carbon 9
NT2 cerium 121
NT2 cerium 125
NT2 cerium 127
NT2 cerium 128
NT2 cerium 129
NT2 cerium 130
NT2 cerium 131
NT2 cerium 132
NT2 cerium 133
NT2 cerium 135
NT2 cerium 137
NT2 cesium 114
NT2 cesium 115
NT2 cesium 116
NT2 cesium 117
NT2 cesium 118
NT2 cesium 119
NT2 cesium 120
NT2 cesium 121
NT2 cesium 122
NT2 cesium 123
NT2 cesium 124
NT2 cesium 125
NT2 cesium 126
NT2 cesium 127
NT2 cesium 128
NT2 cesium 129
NT2 cesium 130
NT2 cesium 132
NT2 chlorine 31
NT2 chlorine 32
NT2 chlorine 33
NT2 chlorine 34
NT2 chlorine 36
NT2 chromium 42
NT2 chromium 45
NT2 chromium 46
NT2 chromium 47
NT2 chromium 49
NT2 cobalt 52
NT2 cobalt 53
NT2 cobalt 54
NT2 cobalt 55
NT2 cobalt 56
NT2 cobalt 58
NT2 copper 56
NT2 copper 57
NT2 copper 58

NT2 copper 59
NT2 copper 60
NT2 copper 61
NT2 copper 62
NT2 copper 64
NT2 curium 232
NT2 dysprosium 145
NT2 dysprosium 146
NT2 dysprosium 147
NT2 dysprosium 148
NT2 dysprosium 149
NT2 dysprosium 150
NT2 dysprosium 151
NT2 dysprosium 152
NT2 dysprosium 153
NT2 dysprosium 155
NT2 dysprosium 157
NT2 erbium 145
NT2 erbium 146
NT2 erbium 147
NT2 erbium 148
NT2 erbium 149
NT2 erbium 150
NT2 erbium 151
NT2 erbium 152
NT2 erbium 153
NT2 erbium 154
NT2 erbium 155
NT2 erbium 156
NT2 erbium 157
NT2 erbium 158
NT2 erbium 159
NT2 erbium 161
NT2 erbium 163
NT2 europium 134
NT2 europium 135
NT2 europium 136
NT2 europium 138
NT2 europium 139
NT2 europium 140
NT2 europium 141
NT2 europium 142
NT2 europium 143
NT2 europium 144
NT2 europium 145
NT2 europium 146
NT2 europium 147
NT2 europium 148
NT2 europium 150
NT2 europium 152
NT2 fluorine 17
NT2 fluorine 18
NT2 gadolinium 135
NT2 gadolinium 137
NT2 gadolinium 139
NT2 gadolinium 142
NT2 gadolinium 143
NT2 gadolinium 144
NT2 gadolinium 145
NT2 gadolinium 146
NT2 gadolinium 147
NT2 gallium 60
NT2 gallium 62
NT2 gallium 63
NT2 gallium 64
NT2 gallium 65
NT2 gallium 66
NT2 gallium 68
NT2 germanium 61
NT2 germanium 64
NT2 germanium 65
NT2 germanium 66
NT2 germanium 67
NT2 germanium 69
NT2 gold 182
NT2 gold 184
NT2 gold 185
NT2 gold 186
NT2 gold 187
NT2 gold 188
NT2 gold 189
NT2 gold 190
NT2 gold 192
NT2 gold 194
NT2 gold 196
NT2 hafnium 154
NT2 hafnium 155
NT2 hafnium 162
NT2 hafnium 163
NT2 hafnium 166
NT2 hafnium 167
NT2 hafnium 168
NT2 hafnium 169
NT2 holmium 145
NT2 holmium 146
NT2 holmium 147
NT2 holmium 148
NT2 holmium 149
NT2 holmium 150
NT2 holmium 151
NT2 holmium 152
NT2 holmium 153
NT2 holmium 154
NT2 holmium 155
NT2 holmium 156
NT2 holmium 157
NT2 holmium 158
NT2 holmium 160
NT2 holmium 162
NT2 indium 100
NT2 indium 103
NT2 indium 104
NT2 indium 105
NT2 indium 106
NT2 indium 107
NT2 indium 108
NT2 indium 109
NT2 indium 110
NT2 indium 112
NT2 indium 114
NT2 iodine 110
NT2 iodine 111
NT2 iodine 112
NT2 iodine 113
NT2 iodine 114
NT2 iodine 115
NT2 iodine 116
NT2 iodine 117
NT2 iodine 118
NT2 iodine 119
NT2 iodine 120
NT2 iodine 121
NT2 iodine 122
NT2 iodine 124
NT2 iodine 126
NT2 iodine 128
NT2 iridium 178
NT2 iridium 179
NT2 iridium 180
NT2 iridium 181
NT2 iridium 182
NT2 iridium 183
NT2 iridium 184
NT2 iridium 185
NT2 iridium 186
NT2 iridium 188
NT2 iridium 190
NT2 iron 45
NT2 iron 46
NT2 iron 49
NT2 iron 51
NT2 iron 52
NT2 iron 53
NT2 krypton 69
NT2 krypton 71
NT2 krypton 72
NT2 krypton 73
NT2 krypton 74
NT2 krypton 75
NT2 krypton 77
NT2 krypton 79
NT2 lanthanum 121
NT2 lanthanum 125
NT2 lanthanum 126
NT2 lanthanum 127
NT2 lanthanum 128
NT2 lanthanum 129
NT2 lanthanum 130
NT2 lanthanum 131
NT2 lanthanum 132
NT2 lanthanum 133
NT2 lanthanum 134
NT2 lanthanum 135
NT2 lanthanum 136
NT2 lead 187
NT2 lead 188
NT2 lead 189
NT2 lead 190
NT2 lead 191
NT2 lead 192
NT2 lead 193
NT2 lead 194
NT2 lead 195
NT2 lead 199
NT2 lead 201
NT2 lutetium 153
NT2 lutetium 161
NT2 lutetium 162
NT2 lutetium 163
NT2 lutetium 164
NT2 lutetium 165
NT2 lutetium 166
NT2 lutetium 167
NT2 lutetium 168
NT2 lutetium 169
NT2 lutetium 170
NT2 lutetium 171
NT2 lutetium 174
NT2 magnesium 20
NT2 magnesium 21
NT2 magnesium 22
NT2 magnesium 23
NT2 manganese 48
NT2 manganese 49
NT2 manganese 50
NT2 manganese 51
NT2 manganese 52
NT2 mercury 179
NT2 mercury 181
NT2 mercury 182
NT2 mercury 183
NT2 mercury 184
NT2 mercury 185
NT2 mercury 186
NT2 mercury 187
NT2 mercury 188
NT2 mercury 191
NT2 mercury 193
NT2 molybdenum 86
NT2 molybdenum 87
NT2 molybdenum 88
NT2 molybdenum 89
NT2 molybdenum 90
NT2 molybdenum 91
NT2 neodymium 127
NT2 neodymium 128
NT2 neodymium 129
NT2 neodymium 130
NT2 neodymium 131
NT2 neodymium 132
NT2 neodymium 133
NT2 neodymium 134
NT2 neodymium 135
NT2 neodymium 136
NT2 neodymium 137
NT2 neodymium 138
NT2 neodymium 139

NT2 neodymium 141
NT2 neon 17
NT2 neon 18
NT2 neon 19
NT2 neptunium 234
NT2 nickel 49
NT2 nickel 50
NT2 nickel 52
NT2 nickel 53
NT2 nickel 55
NT2 nickel 56
NT2 nickel 57
NT2 niobium 83
NT2 niobium 84
NT2 niobium 85
NT2 niobium 87
NT2 niobium 88
NT2 niobium 89
NT2 niobium 90
NT2 niobium 92
NT2 nitrogen 12
NT2 nitrogen 13
NT2 osmium 172
NT2 osmium 173
NT2 osmium 174
NT2 osmium 175
NT2 osmium 176
NT2 osmium 177
NT2 osmium 178
NT2 osmium 179
NT2 osmium 181
NT2 osmium 183
NT2 oxygen 13
NT2 oxygen 14
NT2 oxygen 15
NT2 palladium 101
NT2 palladium 93
NT2 palladium 94
NT2 palladium 95
NT2 palladium 97
NT2 palladium 98
NT2 palladium 99
NT2 phosphorus 26
NT2 phosphorus 28
NT2 phosphorus 29
NT2 phosphorus 30
NT2 platinum 174
NT2 platinum 182
NT2 platinum 183
NT2 platinum 184
NT2 platinum 185
NT2 platinum 187
NT2 platinum 189
NT2 polonium 198
NT2 polonium 199
NT2 polonium 200
NT2 polonium 201
NT2 polonium 202
NT2 polonium 203
NT2 polonium 205
NT2 polonium 207
NT2 potassium 35
NT2 potassium 36
NT2 potassium 37
NT2 potassium 38
NT2 potassium 40
NT2 praseodymium 126
NT2 praseodymium 127
NT2 praseodymium 129
NT2 praseodymium 130
NT2 praseodymium 131
NT2 praseodymium 132
NT2 praseodymium 133
NT2 praseodymium 134
NT2 praseodymium 135
NT2 praseodymium 136
NT2 praseodymium 137
NT2 praseodymium 138
NT2 praseodymium 139
NT2 praseodymium 140
NT2 promethium 132
NT2 promethium 133
NT2 promethium 134
NT2 promethium 135
NT2 promethium 136
NT2 promethium 137
NT2 promethium 138
NT2 promethium 139
NT2 promethium 140
NT2 promethium 141
NT2 promethium 142
NT2 protactinium 230
NT2 radon 207
NT2 radon 209
NT2 rhenium 165
NT2 rhenium 170
NT2 rhenium 171
NT2 rhenium 172
NT2 rhenium 174
NT2 rhenium 175
NT2 rhenium 176
NT2 rhenium 177
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NT2 rhenium 182
NT2 rhodium 100
NT2 rhodium 102
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NT2 rhodium 94
NT2 rhodium 95
NT2 rhodium 96
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NT2 rhodium 99
NT2 rubidium 73
NT2 rubidium 74
NT2 rubidium 75
NT2 rubidium 76
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NT2 rubidium 82
NT2 rubidium 84
NT2 ruthenium 88
NT2 ruthenium 89
NT2 ruthenium 92
NT2 ruthenium 93
NT2 ruthenium 95
NT2 samarium 133
NT2 samarium 134
NT2 samarium 135
NT2 samarium 136
NT2 samarium 137
NT2 samarium 138
NT2 samarium 139
NT2 samarium 140
NT2 samarium 141
NT2 samarium 142
NT2 samarium 143
NT2 scandium 40
NT2 scandium 41
NT2 scandium 42
NT2 scandium 43
NT2 scandium 44
NT2 selenium 65
NT2 selenium 67
NT2 selenium 68
NT2 selenium 69
NT2 selenium 70
NT2 selenium 71
NT2 selenium 73
NT2 silicon 24
NT2 silicon 25
NT2 silicon 26
NT2 silicon 27
NT2 silver 100
NT2 silver 101
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NT2 silver 103
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NT2 silver 108
NT2 silver 94
NT2 silver 96
NT2 silver 98
NT2 silver 99
NT2 sodium 19
NT2 sodium 20
NT2 sodium 21
NT2 sodium 22
NT2 strontium 75
NT2 strontium 76
NT2 strontium 77
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NT2 strontium 79
NT2 strontium 80
NT2 strontium 81
NT2 strontium 83
NT2 sulfur 28
NT2 sulfur 29
NT2 sulfur 30
NT2 sulfur 31
NT2 tantalum 165
NT2 tantalum 166
NT2 tantalum 167
NT2 tantalum 168
NT2 tantalum 169
NT2 tantalum 170
NT2 tantalum 171
NT2 tantalum 172
NT2 tantalum 173
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NT2 tantalum 178
NT2 technetium 88
NT2 technetium 89
NT2 technetium 90
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NT2 technetium 96
NT2 tellurium 107
NT2 tellurium 108
NT2 tellurium 109
NT2 tellurium 110
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NT2 tellurium 113
NT2 tellurium 114
NT2 tellurium 115
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NT2 tellurium 118
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NT2 terbium 139
NT2 terbium 141
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NT2 terbium 149
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NT2 terbium 152
NT2 terbium 153
NT2 terbium 154

NT2 terbium 156
NT2 thallium 182
NT2 thallium 184
NT2 thallium 186
NT2 thallium 188
NT2 thallium 189
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NT2 thallium 200
NT2 thulium 148
NT2 thulium 156
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NT2 thulium 158
NT2 thulium 159
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NT2 thulium 161
NT2 thulium 162
NT2 thulium 163
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NT2 thulium 165
NT2 thulium 166
NT2 tin 100
NT2 tin 102
NT2 tin 103
NT2 tin 105
NT2 tin 106
NT2 tin 107
NT2 tin 108
NT2 tin 109
NT2 tin 111
NT2 titanium 39
NT2 titanium 40
NT2 titanium 41
NT2 titanium 42
NT2 titanium 43
NT2 titanium 45
NT2 tungsten 168
NT2 tungsten 169
NT2 tungsten 170
NT2 tungsten 171
NT2 tungsten 172
NT2 tungsten 173
NT2 tungsten 175
NT2 tungsten 177
NT2 tungsten 190
NT2 vanadium 42
NT2 vanadium 43
NT2 vanadium 44
NT2 vanadium 45
NT2 vanadium 46
NT2 vanadium 47
NT2 vanadium 48
NT2 xenon 110
NT2 xenon 111
NT2 xenon 112
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NT2 xenon 117
NT2 xenon 118
NT2 xenon 119
NT2 xenon 120
NT2 xenon 121
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NT2 xenon 123
NT2 xenon 125
NT2 ytterbium 153
NT2 ytterbium 158
NT2 ytterbium 160
NT2 ytterbium 161
NT2 ytterbium 162
NT2 ytterbium 163
NT2 ytterbium 165
NT2 ytterbium 167
NT2 yttrium 79
NT2 yttrium 80
NT2 yttrium 81
NT2 yttrium 82
NT2 yttrium 83
NT2 yttrium 84
NT2 yttrium 85
NT2 yttrium 86
NT2 yttrium 87
NT2 yttrium 88
NT2 zinc 57
NT2 zinc 59
NT2 zinc 60
NT2 zinc 61
NT2 zinc 62
NT2 zinc 63
NT2 zinc 65
NT2 zirconium 81
NT2 zirconium 82
NT2 zirconium 83
NT2 zirconium 84
NT2 zirconium 85
NT2 zirconium 87
NT2 zirconium 89

NT1 electron capture radioisotopes

NT2 actinium 214
NT2 actinium 215
NT2 actinium 222
NT2 actinium 223
NT2 actinium 224
NT2 actinium 226
NT2 americium 232
NT2 americium 233
NT2 americium 234
NT2 americium 235
NT2 americium 236
NT2 americium 237
NT2 americium 238
NT2 americium 239
NT2 americium 240
NT2 americium 242
NT2 americium 244
NT2 antimony 109
NT2 antimony 110
NT2 antimony 111
NT2 antimony 112
NT2 antimony 113
NT2 antimony 114
NT2 antimony 115
NT2 antimony 116
NT2 antimony 117
NT2 antimony 118
NT2 antimony 119
NT2 antimony 120
NT2 antimony 122
NT2 argon 37
NT2 arsenic 67
NT2 arsenic 70
NT2 arsenic 71
NT2 arsenic 72
NT2 arsenic 73
NT2 arsenic 74
NT2 astatine 195
NT2 astatine 197
NT2 astatine 199
NT2 astatine 200
NT2 astatine 201
NT2 astatine 202
NT2 astatine 203
NT2 astatine 204
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NT2 astatine 211
NT2 barium 117
NT2 barium 119
NT2 barium 120
NT2 barium 121
NT2 barium 122
NT2 barium 123
NT2 barium 124
NT2 barium 125
NT2 barium 126
NT2 barium 127
NT2 barium 128
NT2 barium 129
NT2 barium 131
NT2 barium 133
NT2 berkelium 240
NT2 berkelium 242
NT2 berkelium 243
NT2 berkelium 244
NT2 berkelium 245
NT2 berkelium 246
NT2 berkelium 248
NT2 beryllium 7
NT2 bismuth 190
NT2 bismuth 191
NT2 bismuth 192
NT2 bismuth 193
NT2 bismuth 194
NT2 bismuth 195
NT2 bismuth 196
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NT2 bismuth 202
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NT2 bismuth 204
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NT2 bismuth 206
NT2 bismuth 207
NT2 bismuth 208
NT2 bromine 71
NT2 bromine 73
NT2 bromine 74
NT2 bromine 75
NT2 bromine 76
NT2 bromine 77
NT2 bromine 78
NT2 bromine 80
NT2 cadmium 100
NT2 cadmium 101
NT2 cadmium 102
NT2 cadmium 103
NT2 cadmium 104
NT2 cadmium 105
NT2 cadmium 107
NT2 cadmium 109
NT2 cadmium 96
NT2 cadmium 97
NT2 calcium 41
NT2 californium 241
NT2 californium 243
NT2 californium 245
NT2 californium 247
NT2 cerium 121
NT2 cerium 123
NT2 cerium 126
NT2 cerium 127
NT2 cerium 128
NT2 cerium 129
NT2 cerium 130
NT2 cerium 131
NT2 cerium 132
NT2 cerium 133
NT2 cerium 134
NT2 cerium 135
NT2 cerium 137
NT2 cerium 139

NT2 cesium 114
NT2 cesium 115
NT2 cesium 116
NT2 cesium 117
NT2 cesium 118
NT2 cesium 119
NT2 cesium 120
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NT2 cesium 123
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NT2 cesium 125
NT2 cesium 126
NT2 cesium 127
NT2 cesium 128
NT2 cesium 129
NT2 cesium 130
NT2 cesium 131
NT2 cesium 132
NT2 cesium 134
NT2 chlorine 36
NT2 chromium 48
NT2 chromium 49
NT2 chromium 51
NT2 cobalt 55
NT2 cobalt 56
NT2 cobalt 57
NT2 cobalt 58
NT2 copper 58
NT2 copper 60
NT2 copper 61
NT2 copper 62
NT2 copper 64
NT2 curium 232
NT2 curium 238
NT2 curium 239
NT2 curium 241
NT2 dysprosium 141
NT2 dysprosium 143
NT2 dysprosium 144
NT2 dysprosium 145
NT2 dysprosium 147
NT2 dysprosium 148
NT2 dysprosium 149
NT2 dysprosium 150
NT2 dysprosium 151
NT2 dysprosium 152
NT2 dysprosium 153
NT2 dysprosium 155
NT2 dysprosium 157
NT2 dysprosium 159
NT2 einsteinium 244
NT2 einsteinium 245
NT2 einsteinium 246
NT2 einsteinium 247
NT2 einsteinium 248
NT2 einsteinium 249
NT2 einsteinium 250
NT2 einsteinium 251
NT2 einsteinium 252
NT2 einsteinium 254
NT2 element 105 258
NT2 erbium 146
NT2 erbium 147
NT2 erbium 149
NT2 erbium 150
NT2 erbium 151
NT2 erbium 152
NT2 erbium 153
NT2 erbium 154
NT2 erbium 155
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NT2 erbium 163
NT2 erbium 165
NT2 europium 139
NT2 europium 140
NT2 europium 141
NT2 europium 142
NT2 europium 143
NT2 europium 144
NT2 europium 145
NT2 europium 146
NT2 europium 147
NT2 europium 148
NT2 europium 149
NT2 europium 150
NT2 europium 152
NT2 europium 154
NT2 fermium 247
NT2 fermium 249
NT2 fermium 251
NT2 fermium 253
NT2 francium 204
NT2 francium 206
NT2 francium 207
NT2 francium 208
NT2 francium 209
NT2 francium 210
NT2 francium 211
NT2 francium 212
NT2 francium 213
NT2 gadolinium 135
NT2 gadolinium 141
NT2 gadolinium 143
NT2 gadolinium 144
NT2 gadolinium 145
NT2 gadolinium 146
NT2 gadolinium 147
NT2 gadolinium 149
NT2 gadolinium 151
NT2 gadolinium 153
NT2 gallium 62
NT2 gallium 63
NT2 gallium 64
NT2 gallium 65
NT2 gallium 66
NT2 gallium 67
NT2 gallium 68
NT2 gallium 70
NT2 germanium 64
NT2 germanium 65
NT2 germanium 66
NT2 germanium 67
NT2 germanium 68
NT2 germanium 69
NT2 germanium 71
NT2 gold 180
NT2 gold 181
NT2 gold 182
NT2 gold 183
NT2 gold 184
NT2 gold 185
NT2 gold 186
NT2 gold 187
NT2 gold 188
NT2 gold 189
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NT2 gold 194
NT2 gold 195
NT2 gold 196
NT2 hafnium 154
NT2 hafnium 155
NT2 hafnium 157
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NT2 hafnium 166
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NT2 hafnium 168
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NT2 hafnium 171
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NT2 hafnium 175
NT2 holmium 145
NT2 holmium 147
NT2 holmium 149
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NT2 holmium 152
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NT2 holmium 164
NT2 indium 102
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NT2 iodine 110
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NT2 iridium 178
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NT2 iridium 184
NT2 iridium 185
NT2 iridium 186
NT2 iridium 187
NT2 iridium 188
NT2 iridium 189
NT2 iridium 190
NT2 iridium 192
NT2 iron 45
NT2 iron 52
NT2 iron 53
NT2 iron 55
NT2 krypton 69
NT2 krypton 71
NT2 krypton 72
NT2 krypton 73
NT2 krypton 74
NT2 krypton 75

NT2 krypton 76
NT2 krypton 77
NT2 krypton 79
NT2 krypton 81
NT2 lanthanum 120
NT2 lanthanum 121
NT2 lanthanum 122
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NT2 lanthanum 124
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NT2 lanthanum 126
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NT2 lanthanum 132
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NT2 lanthanum 135
NT2 lanthanum 136
NT2 lanthanum 137
NT2 lanthanum 138
NT2 lawrencium 254
NT2 lawrencium 255
NT2 lawrencium 256
NT2 lead 186
NT2 lead 187
NT2 lead 188
NT2 lead 189
NT2 lead 190
NT2 lead 191
NT2 lead 192
NT2 lead 193
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NT2 lutetium 153
NT2 lutetium 154
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NT2 lutetium 172
NT2 lutetium 173
NT2 lutetium 174
NT2 manganese 51
NT2 manganese 52
NT2 manganese 53
NT2 manganese 54
NT2 mendelevium 248
NT2 mendelevium 249
NT2 mendelevium 250
NT2 mendelevium 251
NT2 mendelevium 252
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NT2 mendelevium 258
NT2 mercury 177
NT2 mercury 178
NT2 mercury 179
NT2 mercury 180
NT2 mercury 181
NT2 mercury 182
NT2 mercury 183
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NT2 mercury 187
NT2 mercury 188
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NT2 mercury 191
NT2 mercury 192
NT2 mercury 193
NT2 mercury 194
NT2 mercury 195
NT2 mercury 197
NT2 molybdenum 87
NT2 molybdenum 88
NT2 molybdenum 89
NT2 molybdenum 90
NT2 molybdenum 91
NT2 molybdenum 93
NT2 neodymium 129
NT2 neodymium 130
NT2 neodymium 132
NT2 neodymium 133
NT2 neodymium 134
NT2 neodymium 135
NT2 neodymium 136
NT2 neodymium 137
NT2 neodymium 138
NT2 neodymium 139
NT2 neodymium 140
NT2 neodymium 141
NT2 neptunium 230
NT2 neptunium 231
NT2 neptunium 232
NT2 neptunium 233
NT2 neptunium 234
NT2 neptunium 235
NT2 neptunium 236
NT2 nickel 56
NT2 nickel 57
NT2 nickel 59
NT2 niobium 84
NT2 niobium 85
NT2 niobium 86
NT2 niobium 87
NT2 niobium 88
NT2 niobium 90
NT2 niobium 91
NT2 niobium 92
NT2 nitrogen 13
NT2 nobelium 253
NT2 nobelium 254
NT2 nobelium 255
NT2 nobelium 259
NT2 osmium 166
NT2 osmium 167
NT2 osmium 168
NT2 osmium 169
NT2 osmium 170
NT2 osmium 171
NT2 osmium 172
NT2 osmium 173
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NT2 osmium 182
NT2 osmium 183
NT2 osmium 185
NT2 palladium 100
NT2 palladium 101
NT2 palladium 103
NT2 palladium 94
NT2 palladium 95
NT2 palladium 96
NT2 palladium 97
NT2 palladium 98
NT2 palladium 99
NT2 platinum 173
NT2 platinum 174
NT2 platinum 175
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NT2 platinum 182
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NT2 platinum 188
NT2 platinum 189
NT2 platinum 191
NT2 platinum 193
NT2 plutonium 232
NT2 plutonium 233
NT2 plutonium 234
NT2 plutonium 235
NT2 plutonium 237
NT2 polonium 196
NT2 polonium 197
NT2 polonium 198
NT2 polonium 199
NT2 polonium 200
NT2 polonium 201
NT2 polonium 202
NT2 polonium 203
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NT2 polonium 207
NT2 polonium 208
NT2 polonium 209
NT2 potassium 40
NT2 praseodymium 127
NT2 praseodymium 128
NT2 praseodymium 129
NT2 praseodymium 130
NT2 praseodymium 132
NT2 praseodymium 133
NT2 praseodymium 134
NT2 praseodymium 135
NT2 praseodymium 136
NT2 praseodymium 137
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NT2 praseodymium 139
NT2 praseodymium 140
NT2 praseodymium 142
NT2 promethium 130
NT2 promethium 131
NT2 promethium 132
NT2 promethium 133
NT2 promethium 134
NT2 promethium 135
NT2 promethium 136
NT2 promethium 137
NT2 promethium 138
NT2 promethium 139
NT2 promethium 140
NT2 promethium 141
NT2 promethium 142

NT2 promethium 143
NT2 promethium 144
NT2 promethium 145
NT2 promethium 146
NT2 protactinium 226
NT2 protactinium 227
NT2 protactinium 228
NT2 protactinium 229
NT2 protactinium 230
NT2 radium 213
NT2 radium 214
NT2 radon 200
NT2 radon 201
NT2 radon 202
NT2 radon 203
NT2 radon 204
NT2 radon 205
NT2 radon 206
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NT2 radon 208
NT2 radon 209
NT2 radon 210
NT2 radon 211
NT2 rhenium 163
NT2 rhenium 164
NT2 rhenium 165
NT2 rhenium 168
NT2 rhenium 170
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NT2 rhenium 172
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NT2 rhenium 186
NT2 rhodium 100
NT2 rhodium 101
NT2 rhodium 102
NT2 rhodium 104
NT2 rhodium 95
NT2 rhodium 96
NT2 rhodium 97
NT2 rhodium 98
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NT2 rubidium 76
NT2 rubidium 77
NT2 rubidium 78
NT2 rubidium 79
NT2 rubidium 81
NT2 rubidium 82
NT2 rubidium 83
NT2 rubidium 84
NT2 rubidium 86
NT2 ruthenium 90
NT2 ruthenium 92
NT2 ruthenium 93
NT2 ruthenium 94
NT2 ruthenium 95
NT2 ruthenium 97
NT2 samarium 133
NT2 samarium 134
NT2 samarium 135
NT2 samarium 136
NT2 samarium 137
NT2 samarium 138
NT2 samarium 139
NT2 samarium 140
NT2 samarium 141
NT2 samarium 142
NT2 samarium 143
NT2 samarium 145
NT2 scandium 44
NT2 selenium 69
NT2 selenium 70
NT2 selenium 71
NT2 selenium 72
NT2 selenium 73
NT2 selenium 75
NT2 silver 100
NT2 silver 101
NT2 silver 102
NT2 silver 103
NT2 silver 104
NT2 silver 105
NT2 silver 106
NT2 silver 108
NT2 silver 110
NT2 silver 95
NT2 silver 96
NT2 silver 97
NT2 silver 98
NT2 silver 99
NT2 strontium 76
NT2 strontium 78
NT2 strontium 79
NT2 strontium 80
NT2 strontium 81
NT2 strontium 82
NT2 strontium 83
NT2 strontium 85
NT2 strontium 87
NT2 tantalum 158
NT2 tantalum 159
NT2 tantalum 160
NT2 tantalum 165
NT2 tantalum 166
NT2 tantalum 167
NT2 tantalum 168
NT2 tantalum 169
NT2 tantalum 170
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NT2 tantalum 179
NT2 tantalum 180
NT2 technetium 90
NT2 technetium 91
NT2 technetium 92
NT2 technetium 93
NT2 technetium 94
NT2 technetium 95
NT2 technetium 96
NT2 technetium 97
NT2 tellurium 107
NT2 tellurium 108
NT2 tellurium 109
NT2 tellurium 110
NT2 tellurium 111
NT2 tellurium 112
NT2 tellurium 113
NT2 tellurium 114
NT2 tellurium 115
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NT2 terbium 139
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NT2 thallium 184
NT2 thallium 186
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NT2 thallium 197
NT2 thallium 198
NT2 thallium 199
NT2 thallium 200
NT2 thallium 201
NT2 thallium 202
NT2 thallium 204
NT2 thorium 225
NT2 thulium 148
NT2 thulium 152
NT2 thulium 153
NT2 thulium 154
NT2 thulium 155
NT2 thulium 156
NT2 thulium 157
NT2 thulium 158
NT2 thulium 159
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NT2 thulium 161
NT2 thulium 162
NT2 thulium 163
NT2 thulium 164
NT2 thulium 165
NT2 thulium 166
NT2 thulium 167
NT2 thulium 168
NT2 thulium 170
NT2 tin 100
NT2 tin 102
NT2 tin 106
NT2 tin 107
NT2 tin 108
NT2 tin 109
NT2 tin 110
NT2 tin 111
NT2 tin 113
NT2 titanium 44
NT2 titanium 45
NT2 tungsten 161
NT2 tungsten 162
NT2 tungsten 163
NT2 tungsten 164
NT2 tungsten 165
NT2 tungsten 166
NT2 tungsten 168
NT2 tungsten 169
NT2 tungsten 170
NT2 tungsten 171
NT2 tungsten 172
NT2 tungsten 173
NT2 tungsten 174
NT2 tungsten 175
NT2 tungsten 176
NT2 tungsten 177
NT2 tungsten 178
NT2 tungsten 179
NT2 tungsten 181

NT2 uranium 228
NT2 uranium 229
NT2 uranium 231
NT2 vanadium 42
NT2 vanadium 45
NT2 vanadium 47
NT2 vanadium 48
NT2 vanadium 49
NT2 vanadium 50
NT2 xenon 110
NT2 xenon 111
NT2 xenon 112
NT2 xenon 113
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NT2 xenon 116
NT2 xenon 117
NT2 xenon 118
NT2 xenon 119
NT2 xenon 120
NT2 xenon 121
NT2 xenon 122
NT2 xenon 123
NT2 xenon 125
NT2 xenon 127
NT2 ytterbium 153
NT2 ytterbium 155
NT2 ytterbium 156
NT2 ytterbium 157
NT2 ytterbium 158
NT2 ytterbium 159
NT2 ytterbium 160
NT2 ytterbium 161
NT2 ytterbium 162
NT2 ytterbium 163
NT2 ytterbium 164
NT2 ytterbium 165
NT2 ytterbium 166
NT2 ytterbium 167
NT2 ytterbium 169
NT2 yttrium 79
NT2 yttrium 80
NT2 yttrium 81
NT2 yttrium 83
NT2 yttrium 84
NT2 yttrium 85
NT2 yttrium 86
NT2 yttrium 87
NT2 yttrium 88
NT2 zinc 60
NT2 zinc 61
NT2 zinc 62
NT2 zinc 63
NT2 zinc 65
NT2 zirconium 84
NT2 zirconium 85
NT2 zirconium 86
NT2 zirconium 87
NT2 zirconium 88
NT2 zirconium 89
RT beta decay

BETA-DELAYED NEUTRONS

INIS: Jan 1985; ETDE: Oct 1988
*BT1 neutrons
RT beta-minus decay
RT delayed neutron precursors
RT neutron-rich isotopes

beta-delayed protons

Use delayed protons

BETA DETECTION

*BT1 charged particle detection
RT beta dosimetry
RT beta particles
RT beta spectrometers
RT beta spectroscopy
RT electron detection
RT positron detection

BETA DOSIMETRY

BT1 dosimetry
RT beta detection

BETA II DEVICES

INIS: Oct 1981; ETDE: Mar 1979
(This device was formerly known as 2XIIB.)
*BT1 magnetic mirrors

BETA-MINUS DECAY

*BT1 beta decay
NT1 double beta decay
RT beta-delayed neutrons
RT beta-minus decay radioisotopes

BETA-MINUS DECAY RADIOISOTOPES

*BT1 beta decay radioisotopes
NT1 actinium 226
NT1 actinium 227
NT1 actinium 228
NT1 actinium 229
NT1 actinium 230
NT1 actinium 231
NT1 actinium 232
NT1 actinium 233
NT1 actinium 234
NT1 aluminium 28
NT1 aluminium 29
NT1 aluminium 30
NT1 aluminium 31
NT1 aluminium 32
NT1 aluminium 34
NT1 aluminium 36
NT1 aluminium 37
NT1 americium 242
NT1 americium 244
NT1 americium 245
NT1 americium 246
NT1 americium 247
NT1 antimony 122
NT1 antimony 124
NT1 antimony 125
NT1 antimony 126
NT1 antimony 127
NT1 antimony 128
NT1 antimony 129
NT1 antimony 130
NT1 antimony 131
NT1 antimony 132
NT1 antimony 133
NT1 antimony 134
NT1 antimony 135
NT1 antimony 136
NT1 argon 39
NT1 argon 41
NT1 argon 42
NT1 argon 43
NT1 argon 44
NT1 argon 45
NT1 argon 46
NT1 arsenic 74
NT1 arsenic 76
NT1 arsenic 77
NT1 arsenic 78
NT1 arsenic 79
NT1 arsenic 80
NT1 arsenic 81
NT1 arsenic 82
NT1 arsenic 83
NT1 arsenic 84
NT1 arsenic 85
NT1 arsenic 86
NT1 arsenic 87
NT1 astatine 217
NT1 astatine 218
NT1 astatine 219
NT1 astatine 220
NT1 astatine 221
NT1 astatine 222
NT1 astatine 223
NT1 barium 139
NT1 barium 140
NT1 barium 141
NT1 barium 142
NT1 barium 143
NT1 barium 144
NT1 barium 145
NT1 barium 146
NT1 barium 147
NT1 barium 148
NT1 barium 149
NT1 berkelium 248
NT1 berkelium 249
NT1 berkelium 250
NT1 berkelium 251
NT1 beryllium 10
NT1 beryllium 11
NT1 beryllium 12
NT1 beryllium 14
NT1 bismuth 210
NT1 bismuth 211
NT1 bismuth 212
NT1 bismuth 213
NT1 bismuth 214
NT1 bismuth 215
NT1 bismuth 216
NT1 boron 12
NT1 boron 13
NT1 boron 14
NT1 boron 15
NT1 boron 16
NT1 boron 17
NT1 boron 19
NT1 bromine 80
NT1 bromine 82
NT1 bromine 83
NT1 bromine 84
NT1 bromine 85
NT1 bromine 86
NT1 bromine 87
NT1 bromine 88
NT1 bromine 89
NT1 bromine 90
NT1 bromine 91
NT1 bromine 92
NT1 bromine 93
NT1 cadmium 113
NT1 cadmium 115
NT1 cadmium 117
NT1 cadmium 118
NT1 cadmium 119
NT1 cadmium 120
NT1 cadmium 121
NT1 cadmium 122
NT1 cadmium 123
NT1 cadmium 124
NT1 cadmium 125
NT1 cadmium 126
NT1 cadmium 127
NT1 cadmium 128
NT1 cadmium 130
NT1 calcium 45
NT1 calcium 47
NT1 calcium 49
NT1 calcium 50
NT1 calcium 51
NT1 calcium 52
NT1 calcium 53
NT1 californium 253
NT1 californium 255
NT1 carbon 14
NT1 carbon 15
NT1 carbon 16
NT1 carbon 17
NT1 carbon 18

NT1 cerium 141
NT1 cerium 143
NT1 cerium 144
NT1 cerium 145
NT1 cerium 146
NT1 cerium 147
NT1 cerium 148
NT1 cerium 149
NT1 cerium 150
NT1 cerium 151
NT1 cerium 152
NT1 cesium 130
NT1 cesium 132
NT1 cesium 134
NT1 cesium 135
NT1 cesium 136
NT1 cesium 137
NT1 cesium 138
NT1 cesium 139
NT1 cesium 140
NT1 cesium 141
NT1 cesium 142
NT1 cesium 143
NT1 cesium 144
NT1 cesium 145
NT1 cesium 146
NT1 cesium 147
NT1 cesium 148
NT1 cesium 149
NT1 cesium 150
NT1 chlorine 36
NT1 chlorine 38
NT1 chlorine 39
NT1 chlorine 40
NT1 chlorine 41
NT1 chromium 55
NT1 chromium 56
NT1 chromium 57
NT1 chromium 58
NT1 chromium 59
NT1 chromium 60
NT1 cobalt 60
NT1 cobalt 61
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NT1 cobalt 63
NT1 cobalt 64
NT1 cobalt 65
NT1 cobalt 66
NT1 cobalt 67
NT1 copper 64
NT1 copper 66
NT1 copper 67
NT1 copper 68
NT1 copper 69
NT1 copper 70
NT1 copper 71
NT1 copper 72
NT1 copper 73
NT1 copper 74
NT1 copper 75
NT1 copper 76
NT1 copper 77
NT1 copper 78
NT1 copper 79
NT1 curium 249
NT1 curium 250
NT1 curium 251
NT1 dysprosium 165
NT1 dysprosium 166
NT1 dysprosium 167
NT1 dysprosium 168
NT1 dysprosium 169
NT1 einsteinium 254
NT1 einsteinium 255
NT1 einsteinium 256
NT1 erbium 169
NT1 erbium 171
NT1 erbium 172
NT1 erbium 173
NT1 erbium 174
NT1 erbium 175
NT1 europium 150
NT1 europium 152
NT1 europium 154
NT1 europium 155
NT1 europium 156
NT1 europium 157
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NT1 europium 159
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NT1 europium 162
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NT1 francium 225
NT1 francium 226
NT1 francium 227
NT1 francium 228
NT1 francium 229
NT1 francium 230
NT1 francium 231
NT1 gadolinium 159
NT1 gadolinium 161
NT1 gadolinium 162
NT1 gadolinium 163
NT1 gadolinium 164
NT1 gadolinium 165
NT1 gallium 70
NT1 gallium 72
NT1 gallium 73
NT1 gallium 74
NT1 gallium 75
NT1 gallium 76
NT1 gallium 77
NT1 gallium 78
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NT1 gallium 82
NT1 gallium 83
NT1 gallium 84
NT1 germanium 75
NT1 germanium 77
NT1 germanium 78
NT1 germanium 79
NT1 germanium 80
NT1 germanium 81
NT1 germanium 82
NT1 germanium 83
NT1 germanium 84
NT1 germanium 85
NT1 gold 196
NT1 gold 198
NT1 gold 199
NT1 gold 200
NT1 gold 201
NT1 gold 202
NT1 gold 203
NT1 gold 204
NT1 gold 205
NT1 hafnium 181
NT1 hafnium 182
NT1 hafnium 183
NT1 hafnium 184
NT1 helium 6
NT1 helium 7
NT1 helium 8
NT1 holmium 164
NT1 holmium 166
NT1 holmium 167
NT1 holmium 168
NT1 holmium 169
NT1 holmium 170
NT1 holmium 171
NT1 holmium 172
NT1 indium 112
NT1 indium 114
NT1 indium 115
NT1 indium 116
NT1 indium 117
NT1 indium 118
NT1 indium 119
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NT1 iodine 132
NT1 iodine 133
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NT1 iodine 135
NT1 iodine 136
NT1 iodine 137
NT1 iodine 138
NT1 iodine 139
NT1 iodine 140
NT1 iodine 141
NT1 iodine 142
NT1 iridium 192
NT1 iridium 194
NT1 iridium 195
NT1 iridium 196
NT1 iridium 197
NT1 iridium 198
NT1 iron 59
NT1 iron 60
NT1 iron 61
NT1 iron 62
NT1 iron 63
NT1 iron 64
NT1 krypton 85
NT1 krypton 87
NT1 krypton 88
NT1 krypton 89
NT1 krypton 90
NT1 krypton 91
NT1 krypton 92
NT1 krypton 93
NT1 krypton 94
NT1 krypton 95
NT1 krypton 97
NT1 lanthanum 138
NT1 lanthanum 140
NT1 lanthanum 141
NT1 lanthanum 142
NT1 lanthanum 143
NT1 lanthanum 144
NT1 lanthanum 145
NT1 lanthanum 146
NT1 lanthanum 147
NT1 lanthanum 148

NT1 lanthanum 149
NT1 lanthanum 150
NT1 lead 209
NT1 lead 210
NT1 lead 211
NT1 lead 212
NT1 lead 213
NT1 lead 214
NT1 lithium 11
NT1 lithium 13
NT1 lithium 8
NT1 lithium 9
NT1 lutetium 176
NT1 lutetium 177
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NT1 lutetium 184
NT1 lutetium 187
NT1 magnesium 27
NT1 magnesium 28
NT1 magnesium 29
NT1 magnesium 30
NT1 magnesium 31
NT1 magnesium 32
NT1 magnesium 33
NT1 magnesium 34
NT1 manganese 56
NT1 manganese 57
NT1 manganese 58
NT1 manganese 59
NT1 manganese 60
NT1 manganese 61
NT1 manganese 62
NT1 manganese 63
NT1 mercury 203
NT1 mercury 205
NT1 mercury 206
NT1 molybdenum 101
NT1 molybdenum 102
NT1 molybdenum 103
NT1 molybdenum 104
NT1 molybdenum 105
NT1 molybdenum 106
NT1 molybdenum 107
NT1 molybdenum 108
NT1 molybdenum 109
NT1 molybdenum 99
NT1 neodymium 147
NT1 neodymium 149
NT1 neodymium 151
NT1 neodymium 152
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NT1 neodymium 154
NT1 neodymium 155
NT1 neodymium 156
NT1 neon 23
NT1 neon 24
NT1 neon 25
NT1 neon 26
NT1 neon 27
NT1 neon 29
NT1 neon 30
NT1 neptunium 236
NT1 neptunium 238
NT1 neptunium 239
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NT1 neptunium 241
NT1 neptunium 242
NT1 neptunium 243
NT1 neptunium 244
NT1 neutron-rich isotopes
NT1 nickel 63
NT1 nickel 65
NT1 nickel 66
NT1 nickel 67
NT1 nickel 69
NT1 nickel 71
NT1 nickel 72
NT1 nickel 73
NT1 nickel 74
NT1 niobium 100
NT1 niobium 101
NT1 niobium 102
NT1 niobium 103
NT1 niobium 104
NT1 niobium 105
NT1 niobium 106
NT1 niobium 108
NT1 niobium 94
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NT1 niobium 98
NT1 niobium 99
NT1 nitrogen 16
NT1 nitrogen 17
NT1 nitrogen 18
NT1 nitrogen 19
NT1 nitrogen 20
NT1 nitrogen 22
NT1 nitrogen 23
NT1 osmium 191
NT1 osmium 193
NT1 osmium 194
NT1 osmium 195
NT1 osmium 196
NT1 oxygen 19
NT1 oxygen 20
NT1 oxygen 21
NT1 oxygen 22
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NT1 oxygen 24
NT1 palladium 107
NT1 palladium 109
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NT1 palladium 117
NT1 palladium 118
NT1 palladium 119
NT1 palladium 120
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NT1 phosphorus 36
NT1 phosphorus 37
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NT1 phosphorus 42
NT1 platinum 197
NT1 platinum 199
NT1 platinum 200
NT1 platinum 201
NT1 plutonium 241
NT1 plutonium 243
NT1 plutonium 245
NT1 plutonium 246
NT1 polonium 215
NT1 polonium 218
NT1 potassium 40
NT1 potassium 42
NT1 potassium 43
NT1 potassium 44
NT1 potassium 45
NT1 potassium 46
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NT1 potassium 54
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NT1 promethium 146
NT1 promethium 147
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NT1 promethium 151
NT1 promethium 152
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NT1 promethium 158
NT1 protactinium 230
NT1 protactinium 232
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NT1 protactinium 239
NT1 radium 225
NT1 radium 227
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NT1 radium 232
NT1 radon 221
NT1 radon 223
NT1 radon 224
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NT1 radon 228
NT1 rhenium 186
NT1 rhenium 187
NT1 rhenium 188
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NT1 rhenium 190
NT1 rhenium 191
NT1 rhenium 192
NT1 rhodium 102
NT1 rhodium 104
NT1 rhodium 105
NT1 rhodium 106
NT1 rhodium 107
NT1 rhodium 108
NT1 rhodium 109
NT1 rhodium 110
NT1 rhodium 111
NT1 rhodium 112
NT1 rhodium 113
NT1 rhodium 114
NT1 rhodium 115
NT1 rhodium 116
NT1 rhodium 117
NT1 rhodium 118
NT1 rubidium 100
NT1 rubidium 84
NT1 rubidium 86

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NT1 rubidium 99
NT1 ruthenium 103
NT1 ruthenium 105
NT1 ruthenium 106
NT1 ruthenium 107
NT1 ruthenium 108
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NT1 ruthenium 110
NT1 ruthenium 111
NT1 ruthenium 112
NT1 ruthenium 113
NT1 ruthenium 114
NT1 samarium 151
NT1 samarium 153
NT1 samarium 155
NT1 samarium 156
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NT1 samarium 158
NT1 samarium 159
NT1 samarium 160
NT1 scandium 46
NT1 scandium 47
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NT1 scandium 49
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NT1 scandium 51
NT1 scandium 52
NT1 scandium 53
NT1 selenium 79
NT1 selenium 81
NT1 selenium 83
NT1 selenium 84
NT1 selenium 85
NT1 selenium 86
NT1 selenium 87
NT1 selenium 88
NT1 selenium 89
NT1 selenium 91
NT1 silicon 31
NT1 silicon 32
NT1 silicon 33
NT1 silicon 34
NT1 silicon 35
NT1 silicon 36
NT1 silicon 37
NT1 silicon 38
NT1 silicon 39
NT1 silver 108
NT1 silver 110
NT1 silver 111
NT1 silver 112
NT1 silver 113
NT1 silver 114
NT1 silver 115
NT1 silver 116
NT1 silver 117
NT1 silver 118
NT1 silver 119
NT1 silver 120
NT1 silver 121
NT1 silver 122
NT1 silver 123
NT1 sodium 24
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NT1 sodium 31
NT1 sodium 32
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NT1 sodium 34
NT1 sodium 35
NT1 strontium 100
NT1 strontium 101
NT1 strontium 102
NT1 strontium 89
NT1 strontium 90
NT1 strontium 91
NT1 strontium 92
NT1 strontium 93
NT1 strontium 94
NT1 strontium 95
NT1 strontium 96
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NT1 strontium 98
NT1 strontium 99
NT1 sulfur 35
NT1 sulfur 37
NT1 sulfur 38
NT1 sulfur 39
NT1 sulfur 40
NT1 sulfur 43
NT1 tantalum 180
NT1 tantalum 182
NT1 tantalum 183
NT1 tantalum 184
NT1 tantalum 185
NT1 tantalum 186
NT1 technetium 100
NT1 technetium 101
NT1 technetium 102
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NT1 technetium 104
NT1 technetium 105
NT1 technetium 106
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NT1 technetium 112
NT1 technetium 113
NT1 technetium 98
NT1 technetium 99
NT1 tellurium 127
NT1 tellurium 129
NT1 tellurium 131
NT1 tellurium 132
NT1 tellurium 133
NT1 tellurium 134
NT1 tellurium 135
NT1 tellurium 136
NT1 tellurium 137
NT1 tellurium 138
NT1 terbium 156
NT1 terbium 158
NT1 terbium 160
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NT1 terbium 162
NT1 terbium 163
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NT1 terbium 165
NT1 terbium 166
NT1 thallium 204
NT1 thallium 206
NT1 thallium 207
NT1 thallium 208
NT1 thallium 209
NT1 thallium 210
NT1 thorium 231
NT1 thorium 233
NT1 thorium 234
NT1 thorium 235
NT1 thorium 236
NT1 thorium 237
NT1 thulium 168
NT1 thulium 170
NT1 thulium 171
NT1 thulium 172
NT1 thulium 173
NT1 thulium 174
NT1 thulium 175
NT1 thulium 176
NT1 thulium 177
NT1 tin 121
NT1 tin 123
NT1 tin 125
NT1 tin 126
NT1 tin 127
NT1 tin 128
NT1 tin 129
NT1 tin 130
NT1 tin 131
NT1 tin 132
NT1 tin 133
NT1 tin 134
NT1 titanium 51
NT1 titanium 52
NT1 titanium 53
NT1 titanium 54
NT1 titanium 55
NT1 titanium 56
NT1 tritium
NT1 tungsten 185
NT1 tungsten 187
NT1 tungsten 188
NT1 tungsten 189
NT1 uranium 237
NT1 uranium 239
NT1 uranium 240
NT1 uranium 242
NT1 vanadium 50
NT1 vanadium 52
NT1 vanadium 53
NT1 vanadium 54
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NT1 vanadium 56
NT1 vanadium 57
NT1 vanadium 58
NT1 xenon 133
NT1 xenon 135
NT1 xenon 137
NT1 xenon 138
NT1 xenon 139
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NT1 xenon 141
NT1 xenon 142
NT1 xenon 143
NT1 xenon 144
NT1 xenon 145
NT1 ytterbium 175
NT1 ytterbium 177
NT1 ytterbium 178
NT1 ytterbium 179
NT1 ytterbium 180
NT1 yttrium 100
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NT1 zinc 69
NT1 zinc 71
NT1 zinc 72
NT1 zinc 73

NT1 zinc 74
NT1 zinc 75
NT1 zinc 76
NT1 zinc 77
NT1 zinc 78
NT1 zinc 79
NT1 zinc 80
NT1 zinc 81
NT1 zirconium 100
NT1 zirconium 101
NT1 zirconium 102
NT1 zirconium 103
NT1 zirconium 93
NT1 zirconium 95
NT1 zirconium 97
NT1 zirconium 98
NT1 zirconium 99
RT beta-minus decay

BETA PARTICLES

(Emitted by nuclei.)
BT1 charged particles
*BT1 ionizing radiations
RT beta decay
RT beta detection
RT beta sources
RT electrons
RT positrons

BETA-PLUS DECAY

UF *positron decay*
*BT1 beta decay
RT beta-plus decay radioisotopes
RT delayed protons
RT electron capture decay

BETA-PLUS DECAY RADIOISOTOPES

*BT1 beta decay radioisotopes
NT1 aluminium 22
NT1 aluminium 23
NT1 aluminium 24
NT1 aluminium 25
NT1 aluminium 26
NT1 americium 235
NT1 americium 236
NT1 antimony 104
NT1 antimony 105
NT1 antimony 108
NT1 antimony 110
NT1 antimony 111
NT1 antimony 112
NT1 antimony 113
NT1 antimony 114
NT1 antimony 115
NT1 antimony 116
NT1 antimony 117
NT1 antimony 118
NT1 antimony 120
NT1 antimony 122
NT1 argon 31
NT1 argon 32
NT1 argon 33
NT1 argon 34
NT1 argon 35
NT1 arsenic 66
NT1 arsenic 67
NT1 arsenic 68
NT1 arsenic 69
NT1 arsenic 70
NT1 arsenic 71
NT1 arsenic 72
NT1 arsenic 74
NT1 astatine 205
NT1 astatine 206
NT1 barium 114
NT1 barium 115
NT1 barium 116
NT1 barium 117
NT1 barium 118
NT1 barium 119
NT1 barium 120
NT1 barium 121
NT1 barium 122
NT1 barium 123
NT1 barium 124
NT1 barium 125
NT1 barium 126
NT1 barium 127
NT1 barium 129
NT1 bismuth 194
NT1 bismuth 197
NT1 bismuth 200
NT1 bismuth 202
NT1 bismuth 203
NT1 bismuth 205
NT1 bismuth 206
NT1 bismuth 207
NT1 boron 8
NT1 bromine 69
NT1 bromine 70
NT1 bromine 71
NT1 bromine 72
NT1 bromine 73
NT1 bromine 74
NT1 bromine 75
NT1 bromine 76
NT1 bromine 77
NT1 bromine 78
NT1 bromine 80
NT1 cadmium 100
NT1 cadmium 101
NT1 cadmium 102
NT1 cadmium 103
NT1 cadmium 104
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NT1 cadmium 107
NT1 cadmium 97
NT1 cadmium 98
NT1 cadmium 99
NT1 calcium 36
NT1 calcium 37
NT1 calcium 38
NT1 calcium 39
NT1 carbon 10
NT1 carbon 11
NT1 carbon 9
NT1 cerium 121
NT1 cerium 125
NT1 cerium 127
NT1 cerium 128
NT1 cerium 129
NT1 cerium 130
NT1 cerium 131
NT1 cerium 132
NT1 cerium 133
NT1 cerium 135
NT1 cerium 137
NT1 cesium 114
NT1 cesium 115
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NT1 cesium 117
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NT1 cesium 120
NT1 cesium 121
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NT1 cesium 126
NT1 cesium 127
NT1 cesium 128
NT1 cesium 129
NT1 cesium 130
NT1 cesium 132
NT1 chlorine 31
NT1 chlorine 32
NT1 chlorine 33
NT1 chlorine 34
NT1 chlorine 36
NT1 chromium 42
NT1 chromium 45
NT1 chromium 46
NT1 chromium 47
NT1 chromium 49
NT1 cobalt 52
NT1 cobalt 53
NT1 cobalt 54
NT1 cobalt 55
NT1 cobalt 56
NT1 cobalt 58
NT1 copper 56
NT1 copper 57
NT1 copper 58
NT1 copper 59
NT1 copper 60
NT1 copper 61
NT1 copper 62
NT1 copper 64
NT1 curium 232
NT1 dysprosium 145
NT1 dysprosium 146
NT1 dysprosium 147
NT1 dysprosium 148
NT1 dysprosium 149
NT1 dysprosium 150
NT1 dysprosium 151
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NT1 dysprosium 157
NT1 erbium 145
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NT1 erbium 159
NT1 erbium 161
NT1 erbium 163
NT1 europium 134
NT1 europium 135
NT1 europium 136
NT1 europium 138
NT1 europium 139
NT1 europium 140
NT1 europium 141
NT1 europium 142
NT1 europium 143
NT1 europium 144
NT1 europium 145
NT1 europium 146
NT1 europium 147
NT1 europium 148
NT1 europium 150
NT1 europium 152
NT1 fluorine 17
NT1 fluorine 18
NT1 gadolinium 135
NT1 gadolinium 137
NT1 gadolinium 139
NT1 gadolinium 142
NT1 gadolinium 143
NT1 gadolinium 144
NT1 gadolinium 145
NT1 gadolinium 146
NT1 gadolinium 147
NT1 gallium 60

NT1 gallium 62
NT1 gallium 63
NT1 gallium 64
NT1 gallium 65
NT1 gallium 66
NT1 gallium 68
NT1 germanium 61
NT1 germanium 64
NT1 germanium 65
NT1 germanium 66
NT1 germanium 67
NT1 germanium 69
NT1 gold 182
NT1 gold 184
NT1 gold 185
NT1 gold 186
NT1 gold 187
NT1 gold 188
NT1 gold 189
NT1 gold 190
NT1 gold 192
NT1 gold 194
NT1 gold 196
NT1 hafnium 154
NT1 hafnium 155
NT1 hafnium 162
NT1 hafnium 163
NT1 hafnium 166
NT1 hafnium 167
NT1 hafnium 168
NT1 hafnium 169
NT1 holmium 145
NT1 holmium 146
NT1 holmium 147
NT1 holmium 148
NT1 holmium 149
NT1 holmium 150
NT1 holmium 151
NT1 holmium 152
NT1 holmium 153
NT1 holmium 154
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NT1 holmium 156
NT1 holmium 157
NT1 holmium 158
NT1 holmium 160
NT1 holmium 162
NT1 indium 100
NT1 indium 103
NT1 indium 104
NT1 indium 105
NT1 indium 106
NT1 indium 107
NT1 indium 108
NT1 indium 109
NT1 indium 110
NT1 indium 112
NT1 indium 114
NT1 iodine 110
NT1 iodine 111
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NT1 iodine 113
NT1 iodine 114
NT1 iodine 115
NT1 iodine 116
NT1 iodine 117
NT1 iodine 118
NT1 iodine 119
NT1 iodine 120
NT1 iodine 121
NT1 iodine 122
NT1 iodine 124
NT1 iodine 126
NT1 iodine 128
NT1 iridium 178
NT1 iridium 179
NT1 iridium 180
NT1 iridium 181
NT1 iridium 182
NT1 iridium 183
NT1 iridium 184
NT1 iridium 185
NT1 iridium 186
NT1 iridium 188
NT1 iridium 190
NT1 iron 45
NT1 iron 46
NT1 iron 49
NT1 iron 51
NT1 iron 52
NT1 iron 53
NT1 krypton 69
NT1 krypton 71
NT1 krypton 72
NT1 krypton 73
NT1 krypton 74
NT1 krypton 75
NT1 krypton 77
NT1 krypton 79
NT1 lanthanum 121
NT1 lanthanum 125
NT1 lanthanum 126
NT1 lanthanum 127
NT1 lanthanum 128
NT1 lanthanum 129
NT1 lanthanum 130
NT1 lanthanum 131
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NT1 lanthanum 135
NT1 lanthanum 136
NT1 lead 187
NT1 lead 188
NT1 lead 189
NT1 lead 190
NT1 lead 191
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NT1 lead 199
NT1 lead 201
NT1 lutetium 153
NT1 lutetium 161
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NT1 lutetium 171
NT1 lutetium 174
NT1 magnesium 20
NT1 magnesium 21
NT1 magnesium 22
NT1 magnesium 23
NT1 manganese 48
NT1 manganese 49
NT1 manganese 50
NT1 manganese 51
NT1 manganese 52
NT1 mercury 179
NT1 mercury 181
NT1 mercury 182
NT1 mercury 183
NT1 mercury 184
NT1 mercury 185
NT1 mercury 186
NT1 mercury 187
NT1 mercury 188
NT1 mercury 191
NT1 mercury 193
NT1 molybdenum 86
NT1 molybdenum 87
NT1 molybdenum 88
NT1 molybdenum 89
NT1 molybdenum 90
NT1 molybdenum 91
NT1 neodymium 127
NT1 neodymium 128
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NT1 neodymium 137
NT1 neodymium 138
NT1 neodymium 139
NT1 neodymium 141
NT1 neon 17
NT1 neon 18
NT1 neon 19
NT1 neptunium 234
NT1 nickel 49
NT1 nickel 50
NT1 nickel 52
NT1 nickel 53
NT1 nickel 55
NT1 nickel 56
NT1 nickel 57
NT1 niobium 83
NT1 niobium 84
NT1 niobium 85
NT1 niobium 87
NT1 niobium 88
NT1 niobium 89
NT1 niobium 90
NT1 niobium 92
NT1 nitrogen 12
NT1 nitrogen 13
NT1 osmium 172
NT1 osmium 173
NT1 osmium 174
NT1 osmium 175
NT1 osmium 176
NT1 osmium 177
NT1 osmium 178
NT1 osmium 179
NT1 osmium 181
NT1 osmium 183
NT1 oxygen 13
NT1 oxygen 14
NT1 oxygen 15
NT1 palladium 101
NT1 palladium 93
NT1 palladium 94
NT1 palladium 95
NT1 palladium 97
NT1 palladium 98
NT1 palladium 99
NT1 phosphorus 26
NT1 phosphorus 28
NT1 phosphorus 29
NT1 phosphorus 30
NT1 platinum 174
NT1 platinum 182
NT1 platinum 183
NT1 platinum 184
NT1 platinum 185
NT1 platinum 187
NT1 platinum 189
NT1 polonium 198
NT1 polonium 199
NT1 polonium 200
NT1 polonium 201
NT1 polonium 202
NT1 polonium 203
NT1 polonium 205
NT1 polonium 207
NT1 potassium 35

NT1 potassium 36
NT1 potassium 37
NT1 potassium 38
NT1 potassium 40
NT1 praseodymium 126
NT1 praseodymium 127
NT1 praseodymium 129
NT1 praseodymium 130
NT1 praseodymium 131
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NT1 promethium 132
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NT1 promethium 138
NT1 promethium 139
NT1 promethium 140
NT1 promethium 141
NT1 promethium 142
NT1 protactinium 230
NT1 radon 207
NT1 radon 209
NT1 rhenium 165
NT1 rhenium 170
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NT1 rhenium 182
NT1 rhodium 100
NT1 rhodium 102
NT1 rhodium 92
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NT1 rubidium 73
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NT1 rubidium 84
NT1 ruthenium 88
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NT1 ruthenium 92
NT1 ruthenium 93
NT1 ruthenium 95
NT1 samarium 133
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NT1 samarium 139
NT1 samarium 140
NT1 samarium 141
NT1 samarium 142
NT1 samarium 143
NT1 scandium 40
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NT1 scandium 44
NT1 selenium 65
NT1 selenium 67
NT1 selenium 68
NT1 selenium 69
NT1 selenium 70
NT1 selenium 71
NT1 selenium 73
NT1 silicon 24
NT1 silicon 25
NT1 silicon 26
NT1 silicon 27
NT1 silver 100
NT1 silver 101
NT1 silver 102
NT1 silver 103
NT1 silver 104
NT1 silver 105
NT1 silver 106
NT1 silver 108
NT1 silver 94
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NT1 silver 98
NT1 silver 99
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NT1 tin 111
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NT1 tungsten 169
NT1 tungsten 170
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NT1 ytterbium 167
NT1 yttrium 79
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NT1 yttrium 84
NT1 yttrium 85
NT1 yttrium 86
NT1 yttrium 87
NT1 yttrium 88
NT1 zinc 57
NT1 zinc 59
NT1 zinc 60
NT1 zinc 61
NT1 zinc 62
NT1 zinc 63
NT1 zinc 65
NT1 zirconium 81
NT1 zirconium 82
NT1 zirconium 83
NT1 zirconium 84
NT1 zirconium 85
NT1 zirconium 87
NT1 zirconium 89
RT beta-plus decay

BETA RADIOGRAPHY
INIS: Oct 1976; ETDE: Jan 1975
(A technique for examining papers, thin foils, and other thin materials.)
*BT1 industrial radiography

BETA RATIO
RT high-beta plasma
RT low-beta plasma
RT magnetic fields
RT medium-beta plasma
RT plasma pressure
RT reversed-field pinch devices

BETA SOURCES
*BT1 particle sources
RT beta particles

BETA SPECTRA
BT1 spectra
RT beta decay
RT beta spectrometers

BETA SPECTROMETERS
*BT1 spectrometers
RT beta detection
RT beta spectra
RT electron detection

beta spectrometry
Use beta spectroscopy

BETA SPECTROSCOPY
UF *beta spectrometry*
BT1 spectroscopy
RT beta detection

BETA-W LATTICES
UF *a-15 compounds*
*BT1 crystal lattices

BETAINE
*BT1 amino acids
*BT1 lipotropic factors
*BT1 quaternary compounds
RT carnitine

BETATRON OSCILLATIONS
*BT1 beam dynamics
BT1 oscillations
RT q-shift

BETATRONS
*BT1 cyclic accelerators
RT plasma betatrons

BETAVOLTAIC CELLS
*BT1 direct collection converters
RT semiconductor diodes

bethe-goldstone approximation
Use bethe-goldstone equation

BETHE-GOLDSTONE EQUATION
UF *bethe-goldstone approximation*
BT1 equations
RT many-body problem

bethe-heitler-schiff formula
Use bethe-heitler theory

BETHE-HEITLER THEORY
UF *bethe-heitler-schiff formula*
RT branching ratio
RT bremsstrahlung
RT pair production

bethe-hurwitz effect
Use hurwitz effect

bethe-placzec model
Use placzec function

BETHE-SALPETER EQUATION
BT1 equations
RT blankenbecler-sugar equations
RT quantum field theory

BETHE-TAIT METHOD
RT mathematics
RT reactor safety

bethe-weizsaecker cycle
Use cno cycle

bethe-weizsaecker relation
Use weizsaecker formula

BETTIS
(Bettis Atomic Power Laboratory.)
*BT1 us aec
*BT1 us doe
*BT1 us erda
RT pennsylvania

betula
Use trees

BEVALAC
INIS: Jan 1976; ETDE: Oct 1975
(A linking of the Superhilac to the Bevatron.)
UF *berkeley bevalac*
*BT1 cyclic accelerators
RT bevatron
RT superhilac

BEVATRON
*BT1 synchrotrons
RT bevalac

BEVERAGE INDUSTRY
INIS: Apr 2000; ETDE: Jan 1980
BT1 industry
RT food industry
RT glass industry
RT metal industry

BEVERAGES
UF *coffee*
UF *juices*
UF *tea*
UF *wine*
BT1 food
RT coffee beans
RT diet
RT drinking water
RT ingestion
RT milk
RT tea leaves
RT tea plants

BEZNAU-1 REACTOR
(Beznau, Doettingen, Switzerland)
UF *nok-1 reactor*
UF *nordostschweizerische kraftwerk-1 reaktor*
*BT1 pwr type reactors

BEZNAU-2 REACTOR
(Beznau, Doettingen, Switzerland)
UF *nok-2 reactor*
UF *nordostschweizerische kraftwerk-2 reaktor*
*BT1 pwr type reactors

bf-wf process
Use desulfurization

BF3 COUNTERS
*BT1 neutron detectors
*BT1 proportional counters
RT moderating detectors

bfs
Use bundesamt fuer strahlenschutz

BFS REACTOR
INIS: Dec 1995; ETDE: Jan 1975
(Obninsk fast assembly)
*BT1 fast reactors
*BT1 zero power reactors

BGC-LURGI SLAGGING PROCESS
INIS: Oct 1992; ETDE: Mar 1982
*BT1 coal gasification

BGO DETECTORS
INIS: Aug 1984; ETDE: Jul 1984
UF *bismuth germanate detectors*
*BT1 solid scintillation detectors

BGRR REACTOR
(Brookhaven National Lab., Upton, New York, USA)
UF *brookhaven graphite research reactor*
*BT1 air cooled reactors
*BT1 enriched uranium reactors
*BT1 graphite moderated reactors
*BT1 isotope production reactors
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 training reactors

bhabha atomic research center
Use barc

BHABHA SCATTERING
*BT1 elastic scattering
RT moeller scattering
RT quantum electrodynamics

BHUTAN
INIS: Jan 1990; ETDE: Feb 1990
BT1 asia
BT1 developing countries

BHWR TYPE REACTORS
UF *boiling heavy water cooled and moderated reactor*
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
NT1 hbwr reactor
NT1 marviken reactor
RT power reactors

BI-GAS PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Bituminous coal research, inc. Process for producing intermediate or high btu gas by reaction of coal with steam in a gasifier operating at 1000-1500 psi and 3000 and 1700 degrees F in stage 1 and stage 2, respectively. The gasifier may be operated on air rather than oxygen at moderate pressures to produce a low btu gas.)
*BT1 coal gasification
RT sng processes

BIBENZYL
UF *1,2-diphenylethane*
UF *diphenylethane (1,2-)*
*BT1 aromatics

BIBLIOGRAPHIES
(Use only in conjunction with literary indicator Z for indexing true bibliographies.)
BT1 document types

BIBLIS-1 REACTOR
(Biblis, Hessen, Germany. Prior to December 1990, this was indexed by BIBLIS REACTOR.)
UF *biblis reactor*
UF *biblis-a reactor*
UF *kernkraftwerk biblis*
UF *kernkraftwerk biblis-a*
*BT1 pwr type reactors

BIBLIS-2 REACTOR
(Biblis, Hessen, Germany. Prior to December 1990, this was indexed by BIBLIS-B REACTOR.)
UF *biblis-b reactor*
UF *kernkraftwerk biblis-b*
*BT1 pwr type reactors

BIBLIS-3 REACTOR
INIS: Oct 1976; ETDE: Nov 1976
(Biblis, Hessen, Federal Republic of Germany)
UF *biblis-c reactor*
UF *kernkraftwerk biblis-3*
*BT1 pwr type reactors

BIBLIS-4 REACTOR
INIS: Oct 1976; ETDE: Nov 1976
(Biblis, Hessen, Federal Republic of Germany)
UF *biblis-d reactor*
UF *kernkraftwerk biblis-4*
*BT1 pwr type reactors

biblis-a reactor
Use biblis-1 reactor

biblis-b reactor
Use biblis-2 reactor

biblis-c reactor
Use biblis-3 reactor

biblis-d reactor
Use biblis-4 reactor

biblis reactor
Use biblis-1 reactor

bicarbonates
Use acid carbonates

BICRYSTALS
INIS: Apr 1984; ETDE: Jan 1975
(Until June 1994 this concept was indexed to POLYCRYSTALS.)
*BT1 polycrystals

BICYCLES
INIS: Apr 2000; ETDE: Aug 1976
BT1 vehicles

bids
Use proposals

biedenharn-rose theory
See angular correlation
OR angular distribution

biexcitons
Use excitons

BIFURCATION
INIS: Feb 1994; ETDE: Feb 1994
(The abrupt appearance of a new solution of a mathematical equation at some critical parameter value.)
RT chemical reaction kinetics
RT control
RT differential equations
RT dispersion relations
RT dynamics
RT instability
RT mathematical models
RT non-equilibrium plasma
RT phase transformations
RT wave propagation

BIG ROCK POINT REACTOR
(Charlevoix, Michigan, USA)
*BT1 bwr type reactors

BIG TEN REACTOR
*BT1 zero power reactors

BIGR REACTOR
INIS: Dec 1986; ETDE: Feb 1987
*BT1 enriched uranium reactors
*BT1 fast reactors
*BT1 graphite moderated reactors
*BT1 pulsed reactors
*BT1 research reactors

BIKINI
*BT1 marshall islands
RT castle project
RT redwing project

BILATERAL AGREEMENTS
*BT1 international agreements
RT transfrontier contamination
RT transfrontier pollution

bilbao argonaut reactor
Use arbi reactor

BILE
*BT1 body fluids
RT bile acids
RT biliary tract
RT bilirubin

BILE ACIDS
*BT1 carboxylic acids
*BT1 sterols
NT1 cholic acid
RT bile

bile ducts
Use biliary tract

BILIARY TRACT
UF *bile ducts*
UF *gallbladder*
UF+ *gallstones*
BT1 digestive system
RT bile
RT glucuronide conjugates
RT glutathione conjugates
RT liver

BILIBIN REACTOR
(Chukotka region, Russian Federation)
UF *chukotka reactor*
*BT1 experimental reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

BILIRUBIN
*BT1 heterocyclic acids
BT1 pigments
*BT1 pyrroles
RT bile

biliverdin
Use heterocyclic acids
AND pigments
AND pyrroles

billet event
Use anvil project

BILLIETITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 uranium minerals
RT barium oxides
RT uranium oxides

billitonites
Use tektites

bimetallic corrosion
Use electrochemical corrosion

BIMETALS
RT switches

BINARY ALLOY SYSTEMS
BT1 alloy systems

BINARY ENCOUNTER METHOD
BT1 calculation methods
RT scattering

BINARY FISSION
*BT1 fission

BINARY-FLUID SYSTEMS
INIS: Apr 2000; ETDE: Mar 1976
(A system in which hot fluid is passed through a heat exchanger to transfer heat to a low-boiling point fluid (such as freon or isobutane), which is then used as the working fluid in a vapor-turbine cycle.)
UF *magmamax process*
BT1 energy systems
RT geothermal energy conversion
RT geothermal power plants
RT thermodynamic cycles

BINARY MIXTURES
*BT1 mixtures

RT alloys

BINARY STARS
BT1 stars
NT1 eruptive variable stars
NT2 novae
NT2 supernovae
NT2 t tauri stars
RT roche equipotentials
RT symbiotic stars

BINDERS
RT adhesives
RT fillers

BINDING ENERGY
(For chemical and nuclear bonding. For bonding of materials, see also BONDING.)
UF *separation energy*
UF+ *electron acceptor*
UF+ *electron donor*
BT1 energy
NT1 neutron separation energy
NT1 pairing energy
RT bond angle
RT bond lengths
RT chemical bonds
RT coulomb energy
RT covalence
RT double bonds
RT heitler-london theory
RT interatomic forces
RT intermolecular forces
RT ionization potential
RT majorana theory
RT mass defect
RT nuclear forces
RT work functions

bioaccumulation
Use biological accumulation

BIOADSORBENTS
(Biological materials with adsorptive capacity.)
BT1 adsorbents
RT adsorption
RT decontamination
RT fungi
RT liquid wastes
RT sorptive properties

BIOASSAY
UF *biological testing*
UF *testing (biological)*
NT1 immunoassay
NT2 enzyme immunoassay
NT2 radioimmunoassay
RT carcinogen screening
RT comparative evaluations
RT performance testing
RT plaque formation
RT radioassay
RT radioreceptor assay

biocenoses
Use ecosystems

biochemical activity
Use biochemistry

BIOCHEMICAL FUEL CELLS
INIS: Apr 2000; ETDE: Jan 1975
*BT1 fuel cells

BIOCHEMICAL OXYGEN DEMAND
INIS: Jan 1992; ETDE: Oct 1975
(The amount of oxygen necessary for the oxidative decomposition of a material by microorganisms.)
UF *biological oxygen demand*
UF *bod*
RT aquatic ecosystems
RT biochemistry
RT chemical oxygen demand
RT dissolved gases
RT liquid wastes
RT oxygen

BIOCHEMICAL REACTION KINETICS
*BT1 reaction kinetics
NT1 cpb
RT biochemistry
RT biological markers
RT detoxification
RT enzyme activity
RT enzymes
RT metabolic diseases
RT metabolism
RT protein engineering

BIOCHEMISTRY
UF *biochemical activity*
BT1 chemistry
NT1 blood chemistry
NT1 cytochemistry
RT antiandrogens
RT biochemical oxygen demand
RT biochemical reaction kinetics
RT bioconversion
RT biodegradation
RT biological evolution
RT biology
RT bioluminescence
RT biosynthesis
RT coenzymes
RT enzymes
RT fermentation
RT hormones
RT metabolism
RT receptors
RT soil chemistry
RT synergism
RT vitamins

BIOCONVERSION
INIS: Sep 1991; ETDE: Dec 1977
SF *microbial processes*
NT1 aerobic digestion
NT1 anaerobic digestion
NT2 biogas process
NT1 biophotolysis
NT1 fermentation
NT2 vacuum fermentation
RT biochemistry
RT biomass
RT biotechnology
RT biothermgas process
RT photolysis

BIODEGRADATION
INIS: Feb 1976; ETDE: Jun 1975
SF *microbial processes*
*BT1 decomposition
RT aerobic conditions
RT anaerobic conditions
RT biochemistry
RT bioreactors
RT detritus
RT enzymatic hydrolysis

biodiversity
Use species diversity

BIOELECTRICITY
INIS: Sep 1983; ETDE: Jul 1982
UF *neuron transmission*
BT1 electricity
RT electrophysiology
RT nerve cells
RT receptors
RT stimuli

BIOFLAVONOIDS
UF *vitamin p*
BT1 vitamins

biofouling
Use biological fouling

biogas
Use methane

BIOGAS PROCESS
INIS: Sep 1992; ETDE: Oct 1975
(An anaerobic digestion process for converting solid municipal waste and sewage into pipeline quality fuel gas and an odor free, stable solid.)
UF *igt waste process*
*BT1 anaerobic digestion
RT waste processing plants

biogeocenoses
Use ecosystems

BIOGEOCHEMISTRY
*BT1 geochemistry
RT biological evolution
RT biology
RT geobotany
RT mineral cycling

BIOINTRUSION
INIS: Jul 1985; ETDE: Oct 1987
(Breaching by plants or animals of natural or man-made barriers, e.g. at waste disposal sites. Not for HUMAN INTRUSION.)
UF *intrusion (animals)*
UF *intrusion (plants)*
SF *intrusion*
RT environmental exposure pathway
RT nuclear facilities
RT physical protection
RT radioactive waste disposal
RT radioactive waste facilities

BIOLOGICAL ACCUMULATION
INIS: Apr 2000; ETDE: May 1976
(The abnormal or preferential accumulation of a material from the environment by a plant or animal.)
UF *bioaccumulation*
RT biological localization

BIOLOGICAL ADAPTATION
INIS: May 1976; ETDE: Oct 1975
(Prior to December 1990, this concept was indexed by ACCLIMATION.)
UF *acclimation*
RT behavior
RT biological recovery
RT biological variability
RT ecology
RT environment
RT heat-shock proteins
RT sensitivity
RT tolerance

BIOLOGICAL AVAILABILITY

INIS: Dec 1985; ETDE: Sep 1981

(A measure of the ease with which a substance can be picked up by and incorporated into an organism.)

RT environmental exposure pathway
RT radionuclide migration
RT retention
RT uptake

BIOLOGICAL DOSEMETERS

*BT1 dosemeters
RT biological indicators

BIOLOGICAL EFFECTS

NT1 biological radiation effects
NT2 abscopal radiation effects
NT2 delayed radiation effects
NT2 early radiation effects
NT2 genetic radiation effects
NT2 local radiation effects
NT3 osteoradionecrosis
NT3 radiation burns
NT3 radiodermatitis
NT2 radiation injuries
NT3 osteoradionecrosis
NT3 radiation burns
NT3 radiodermatitis
NT1 genetic effects
NT2 genetic radiation effects
RT acute exposure
RT biology
RT biophysics
RT chronic exposure
RT dose-response relationships
RT molecular biology
RT morphological changes
RT prenatal exposure
RT response modifying factors
RT sensitivity
RT structure-activity relationships
RT survival curves
RT synergism
RT toxicity

BIOLOGICAL EVOLUTION

INIS: Jun 1983; ETDE: Jan 1975

UF *speciation (biological)*
BT1 evolution
RT biochemistry
RT biogeochemistry
RT biological extinction
RT biology
RT biosynthesis
RT fossils
RT genetics
RT geobotany
RT molecular biology
RT paleontology

BIOLOGICAL EXTINCTION

INIS: Sep 1994; ETDE: Oct 1982

RT animals
RT biological evolution
RT ecology
RT endangered species
RT paleontology
RT plants
RT populations
RT species diversity

BIOLOGICAL FATIGUE

UF *fatigue (biological)*
RT biological stress
RT exercise

biological fluids

See body fluids

BIOLOGICAL FOULING

INIS: Apr 1984; ETDE: Nov 1975

(Until June 1994 this concept was indexed to FOULING.)

UF *biofouling*
BT1 fouling
RT algae
RT antifoulants

BIOLOGICAL FUNCTIONS

INIS: Oct 1975; ETDE: Aug 1976

(Coordinate with descriptors for the organs or functions involved.)

UF *function (biological)*
RT biological pathways
RT dynamic function studies
RT metabolism
RT physiology
RT structure-activity relationships

BIOLOGICAL HALF-LIFE

UF *effective half-life*
UF *half-life (biological)*
UF *half-life (effective)*
RT body burden
RT radionuclide kinetics

BIOLOGICAL HOT SPOTS

UF *hot spots (biological)*
RT biological localization
RT bone seekers
RT radionuclide kinetics
RT retention

BIOLOGICAL INDICATORS

UF *indicator species*
RT biological dosemeters
RT biological radiation effects
RT blood cells
RT blood plasma
RT bone marrow cells
RT chromosomal aberrations
RT dose-response relationships
RT early radiation effects
RT mutagen screening
RT nucleosides
RT radiation doses
RT radiation injuries

BIOLOGICAL LOCALIZATION

(The concentration of a specific material or a specific effect in a definite location of a biological system.)

UF *localization (biological)*
RT banding techniques
RT biological accumulation
RT biological hot spots
RT bone seekers
RT radiation effects
RT radioecological concentration
RT radioisotopes
RT radionuclide kinetics
RT radiopharmaceuticals
RT retention
RT tissue distribution

BIOLOGICAL MARKERS

INIS: Aug 1984; ETDE: Oct 1984

UF *reference materials (bio mark)*
RT biochemical reaction kinetics
RT biological pathways
RT dynamic function studies
RT metabolism
RT tracer techniques

BIOLOGICAL MATERIALS

UF *materials (biological)*
BT1 materials
NT1 biological wastes
NT2 feces
NT2 manures
NT2 sewage sludge
NT2 sweat
NT2 urine
NT1 body fluids
NT2 amniotic fluid
NT2 bile
NT2 blood
NT3 blood cells
NT4 blood platelets
NT4 erythrocytes
NT5 reticulocytes
NT4 leukocytes
NT5 basophils
NT5 eosinophils
NT5 lymphocytes
NT5 monocytes
NT5 natural killer cells
NT5 neutrophils
NT3 blood plasma
NT4 blood serum
NT2 cerebrospinal fluid
NT2 gastric acid
NT2 lymph
NT2 milk
NT2 saliva
NT2 sweat
NT2 urine
NT1 forest litter
NT1 plant sap
NT1 tissue extracts
RT animal tissues
RT animals
RT biomass
RT environmental materials
RT food
RT homogenates
RT plankton
RT plants

BIOLOGICAL MODELS

UF *models (biological)*
RT analog systems
RT environmental exposure pathway
RT functional models
RT mathematical models
RT microcosms
RT mockup
RT phantoms

biological oxygen demand

Use biochemical oxygen demand

BIOLOGICAL PATHWAYS

INIS: Nov 1978; ETDE: Dec 1978

UF *metabolic pathways*
UF *mutagenic pathways*
UF *mutation induction pathways*
UF *repair pathways*
NT1 krebs cycle
RT biological functions
RT biological markers
RT biological repair
RT fermentation
RT metabolic activation
RT molecular biology

BIOLOGICAL RADIATION EFFECTS

UF *radiobiological effects*
BT1 biological effects
BT1 radiation effects
NT1 abscopal radiation effects
NT1 delayed radiation effects
NT1 early radiation effects
NT1 genetic radiation effects
NT1 local radiation effects
NT2 osteoradionecrosis
NT2 radiation burns

NT2 radiodermatitis
NT1 radiation injuries
NT2 osteoradionecrosis
NT2 radiation burns
NT2 radiodermatitis
RT biological indicators
RT biological stress
RT oxygen enhancement ratio
RT radiation chimeras
RT radiation doses
RT radiobiology
RT radioimmunology
RT radioinduction
RT radiosensitivity
RT rbe
RT strand breaks
RT teratogenesis

biological reactors
Use bioreactors

BIOLOGICAL RECOVERY
UF *enhanced recovery (biological)*
UF *recovery (biological)*
UF *restoration*
SF *recovery*
NT1 biological regeneration
NT1 biological repair
NT2 dna repair
NT3 excision repair
NT2 host-cell reactivation
NT2 photoreactivation
NT1 healing
NT1 liquid holding recovery
RT biological adaptation
RT homeostasis
RT post-irradiation therapy
RT response modifying factors
RT therapy

BIOLOGICAL REGENERATION
UF *regenerating liver*
UF *regeneration (biological)*
BT1 biological recovery
RT animal tissues
RT growth
RT organs
RT viability

biological remediation
Use bioremediation

BIOLOGICAL REPAIR
UF *repair (biological)*
BT1 biological recovery
BT1 repair
NT1 dna repair
NT2 excision repair
NT1 host-cell reactivation
NT1 photoreactivation
RT biological pathways
RT dna polymerases
RT let
RT molecular structure
RT nucleic acids
RT radiation injuries
RT ultrastructural changes

biological research reactor janus
Use janus reactor

BIOLOGICAL SHIELDING
BT1 shielding
RT radiation protection

BIOLOGICAL SHIELDS
BT1 shields

BIOLOGICAL SHOCK
(For all types of shock in biology and medicine.)
UF *shock (biological)*
UF *shock (medical)*
UF+ *traumatic shock*
BT1 pathological changes
RT anaphylaxis
RT biological stress
RT electric shock
RT heart failure

BIOLOGICAL STRESS
UF *stress (biological)*
NT1 heat stress
RT anoxia
RT biological fatigue
RT biological radiation effects
RT biological shock
RT chronic exposure
RT drought resistance
RT exercise
RT fasting
RT heart failure
RT hypertension
RT hypotension
RT physiology
RT prenatal exposure

biological testing
Use bioassay

BIOLOGICAL VARIABILITY
UF *variability (biological)*
NT1 genetic variability
RT biological adaptation

BIOLOGICAL WARFARE
INIS: Apr 2000; ETDE: Feb 1986
BT1 warfare
RT biological warfare agents

BIOLOGICAL WARFARE AGENTS
INIS: Apr 2000; ETDE: Feb 1986
BT1 weapons
RT biological warfare

BIOLOGICAL WASTES
UF *municipal wastes (biological)*
UF+ *radioactive biological wastes*
*BT1 biological materials
BT1 wastes
NT1 feces
NT1 manures
NT1 sewage sludge
NT1 sweat
NT1 urine
RT agricultural wastes
RT excretion
RT liquid wastes
RT organic wastes
RT pollutants
RT solid wastes

BIOLOGY
NT1 anatomy
NT1 botany
NT2 geobotany
NT1 cryobiology
NT1 cytology
NT1 genetics
NT1 radiobiology
NT1 zoology
RT animal tissues
RT animals
RT biochemistry
RT biogeochemistry
RT biological effects
RT biological evolution
RT biosphere
RT ecosystems
RT medicine
RT microorganisms
RT organs
RT plants
RT symbiosis
RT taxonomy

BIOLUMINESCENCE
INIS: Jul 1986; ETDE: Oct 1980
*BT1 luminescence
RT biochemistry
RT photochemistry

BIOMASS
INIS: Nov 1975; ETDE: Jul 1975
(Total weight of living organisms per unit area, or weight or volume of organisms per unit volume of habitat.)
UF *standing crop*
SF *renewable resources*
*BT1 renewable energy sources
RT autohydrolysis
RT bioconversion
RT biological materials
RT biomass plantations
RT buffalo gourd
RT cattails
RT cellulose
RT deforestation
RT harvesting
RT hemicellulose
RT lignin
RT oleoresins
RT plankton
RT plants
RT solid fuels
RT stand density
RT sugar industry
RT wood
RT wood fuels
RT xylans

BIOMASS CONVERSION PLANTS
INIS: Sep 1991; ETDE: Oct 1979
(Plants converting biomass to fuel.)
BT1 industrial plants
RT chemical plants
RT ethanol plants
RT methanol plants
RT synthetic fuels

BIOMASS PLANTATIONS
INIS: Sep 1991; ETDE: Sep 1976
(Terrestrial or marine areas for the growing and harvesting of energy crops for the collection of energy for conversion into fuels.)
RT agriculture
RT biomass
RT coppices
RT crops
RT farms
RT short rotation cultivation
RT silviculture

BIOMEDICAL RADIOGRAPHY
(See also INDUSTRIAL RADIOGRAPHY.)
UF *radiography (biomedical)*
UF *x-ray radiography (biomedical)*
UF+ *angiography*
BT1 diagnostic techniques
*BT1 radiology
NT1 fluoroscopy
NT1 ionographic imaging
NT1 osteodensitometry
NT1 renography
RT cat scanning
RT compton scattering tomography
RT computerized tomography
RT contrast media

RT emission computed tomography
RT microradiography
RT photon computed tomography
RT photon transmission scanning
RT proton computed tomography
RT proton radiography
RT radiological personnel
RT sequential scanning
RT tomography
RT x radiation
RT x-ray equipment
RT x-ray radiography

biomimetic processes
See photosynthesis

BIOPHOTOLYSIS
INIS: Feb 1992; ETDE: Dec 1977
(The biologically mediated chemical breakdown of a compound using light as an energy source.)
SF *microbial processes*
BT1 bioconversion
*BT1 photolysis
RT hydrogen production
RT photosynthesis

BIOPHYSICS
BT1 physics
RT biological effects
RT compartments
RT molecular biology
RT radiation doses
RT radiation effects
RT radiation protection
RT radiations
RT radiobiology
RT radionuclide kinetics

BIOPSY
BT1 diagnostic techniques
RT animal tissues
RT autopsy

BIOREACTORS
INIS: May 1986; ETDE: Mar 1983
(Prior to March 1983 this concept in ETDE was indexed to CHEMICAL REACTORS.)
UF *biological reactors*
RT biodegradation
RT chemical reactors
RT oxidation
RT waste water
RT water treatment

BIOREMEDIATION
INIS: Jan 2002; ETDE: Nov 1999
UF *biological remediation*
BT1 remedial action
RT microorganisms

BIOSATELLITES
BT1 satellites

BIOSPHERE
RT biology
RT carbon sources
RT ecosystems
RT environment
RT nature reserves
RT populations

BIOSYNTHESIS
UF *translation (macromolecules)*
BT1 synthesis
NT1 post-translation modification
RT anabolism
RT biochemistry
RT biological evolution
RT coenzymes
RT enzyme induction
RT enzymes
RT gene regulation
RT ligases
RT metabolism
RT molecular biology
RT phosphoenolpyruvate
RT photosynthesis
RT precursor

BIOT-SAVART LAW
RT magnetic fields

BIOTECHNOLOGY
INIS: Aug 1991; ETDE: Nov 1986
(The application of the principles of technology or engineering to the life sciences.)
NT1 genetic engineering
NT2 nucleic acid hybridization
NT3 dna hybridization
NT4 dna-cloning
NT3 in-situ hybridization
RT artificial organs
RT bioconversion
RT cell cultures
RT commercialization
RT hybridomas
RT immobilized cells
RT molecular biology
RT polymerase chain reaction
RT protein engineering
RT recombinant dna

BIOTHERMGAS PROCESS
INIS: Apr 2000; ETDE: Dec 1981
UF *igt biothermal gasification*
*BT1 gasification
RT bioconversion
RT methane

biothermohol process
Use fermentation
AND thermochemical processes

BIOTIN
UF *vitamin h*
*BT1 heterocyclic acids
*BT1 imidazoles
*BT1 organic sulfur compounds
*BT1 vitamin b group

BIOTITE
(A widely distributed and important rock-forming mineral of the mica group.)
*BT1 mica
RT granites

BIPHENYL
UF+ *dowtherm*
*BT1 aromatics
*BT1 hydrocarbons
RT benzidine

biphenyldiamine
Use benzidine

biphosphates
Use phosphates

BIPYRIDINES
UF *methyl viologen*
*BT1 pyridines

BIR REACTOR
INIS: Dec 1986; ETDE: Mar 1987
*BT1 enriched uranium reactors
*BT1 fast reactors
*BT1 pulsed reactors
*BT1 research reactors

BIRCHES
INIS: Dec 1991; ETDE: Mar 1979
*BT1 magnoliopsida
*BT1 trees

BIRDS
UF+ *bursa of fabricius*
*BT1 vertebrates
NT1 fowl
NT2 chickens
NT2 ducks
NT2 geese
NT1 pigeons
RT eggs
RT feathers
RT newcastle disease

BIREFRINGENCE
INIS: Apr 1984; ETDE: Jul 1979
(Until June 1994 this concept was indexed to REFRACTION)
BT1 refraction
RT optical properties

birmingham synchrotron
Use synchrotrons

birth
Use parturition

bis(2-ethylhexyl)phosphoric acid
Use hdehp

bis(chloroethyl)amine
Use nitrogen mustard

bis(phenyloxazolyl)benzene
Use popop

biscay bay (france, spain)
Use bay of biscay

BISCAYNE BAY
*BT1 atlantic ocean
*BT1 bays
RT florida

BISCHOFF PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(An adjustable wet process that operates with alkaline additives to remove dust and sulfur dioxide from flue gas in a single operation giving savings in space and cost.)
*BT1 lime-limestone wet scrubbing processes
RT waste processing

bisethylenedithiolotetrathiafulvalene
Use bedt-ttf

BISMUTH
*BT1 metals

BISMUTH 186
INIS: Jun 1997; ETDE: Nov 1999
*BT1 alpha decay radioisotopes
*BT1 bismuth isotopes
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

BISMUTH 188
INIS: Nov 1980; ETDE: Nov 1980
*BT1 alpha decay radioisotopes
*BT1 bismuth isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei

BISMUTH 189
*BT1 alpha decay radioisotopes

*BT1 bismuth isotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

BISMUTH 190
*BT1 alpha decay radioisotopes
*BT1 bismuth isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

BISMUTH 191
*BT1 alpha decay radioisotopes
*BT1 bismuth isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

BISMUTH 192
*BT1 alpha decay radioisotopes
*BT1 bismuth isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

BISMUTH 193
*BT1 alpha decay radioisotopes
*BT1 bismuth isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

BISMUTH 194
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 bismuth isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

BISMUTH 195
*BT1 alpha decay radioisotopes
*BT1 bismuth isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

BISMUTH 196
*BT1 alpha decay radioisotopes
*BT1 bismuth isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

BISMUTH 197
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 bismuth isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

BISMUTH 198
*BT1 bismuth isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

BISMUTH 199
*BT1 alpha decay radioisotopes
*BT1 bismuth isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

BISMUTH 200
*BT1 beta-plus decay radioisotopes
*BT1 bismuth isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

BISMUTH 201
*BT1 alpha decay radioisotopes
*BT1 bismuth isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

BISMUTH 202
*BT1 beta-plus decay radioisotopes
*BT1 bismuth isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei

BISMUTH 203
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 bismuth isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 odd-even nuclei

BISMUTH 204
*BT1 bismuth isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei

BISMUTH 205
*BT1 beta-plus decay radioisotopes
*BT1 bismuth isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei

BISMUTH 206
*BT1 beta-plus decay radioisotopes
*BT1 bismuth isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei

BISMUTH 207
*BT1 beta-plus decay radioisotopes
*BT1 bismuth isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 years living radioisotopes

BISMUTH 207 TARGET
INIS: Jan 1978; ETDE: Mar 1978
BT1 targets

BISMUTH 208
*BT1 bismuth isotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 years living radioisotopes

BISMUTH 208 TARGET
INIS: Sep 1979; ETDE: Nov 1978
BT1 targets

BISMUTH 209
*BT1 bismuth isotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes

BISMUTH 209 BEAMS
INIS: Mar 1983; ETDE: Mar 1983
*BT1 ion beams

BISMUTH 209 REACTIONS
INIS: Nov 1980; ETDE: Nov 1980
*BT1 heavy ion reactions

BISMUTH 209 TARGET
BT1 targets

BISMUTH 210
UF *radium e*
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 bismuth isotopes
*BT1 days living radioisotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 years living radioisotopes

BISMUTH 210 TARGET
INIS: Oct 1976; ETDE: Aug 1976
BT1 targets

BISMUTH 211
UF *actinium c*
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 bismuth isotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 nanoseconds living radioisotopes
*BT1 odd-even nuclei

BISMUTH 212
UF *thorium c*
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 bismuth isotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

BISMUTH 213
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 bismuth isotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

BISMUTH 214
UF *radium c*
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 bismuth isotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

BISMUTH 215
*BT1 beta-minus decay radioisotopes
*BT1 bismuth isotopes

*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

BISMUTH 216
INIS: May 1989; ETDE: Jun 1989
*BT1 beta-minus decay radioisotopes
*BT1 bismuth isotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

BISMUTH ADDITIONS
(Alloys containing not more than 1% Bi are listed here.)
*BT1 bismuth alloys

BISMUTH ALLOYS
(Alloys containing more than 1% Bi.)
BT1 alloys
NT1 bismuth additions
NT1 bismuth base alloys
NT2 alloy-bi50pb25cd12sn12
NT3 wood metal
NT2 cerrobend alloys
NT2 lichtenberg alloy
NT2 newton-metal
NT1 rose-metal

BISMUTH BASE ALLOYS
*BT1 bismuth alloys
NT1 alloy-bi50pb25cd12sn12
NT2 wood metal
NT1 cerrobend alloys
NT1 lichtenberg alloy
NT1 newton-metal

bismuth borides
Use bismuth compounds
AND borides

BISMUTH BROMIDES
BT1 bismuth compounds
*BT1 bromides

bismuth carbonates
Use bismuth compounds
AND carbonates

BISMUTH CHLORIDES
BT1 bismuth compounds
*BT1 chlorides

BISMUTH COMPLEXES
BT1 complexes

BISMUTH COMPOUNDS
UF+ *bismuth borides*
UF+ *bismuth carbonates*
UF+ *bismuth uranates*
NT1 bismuth bromides
NT1 bismuth chlorides
NT1 bismuth fluorides
NT1 bismuth germanates
NT1 bismuth hydrides
NT1 bismuth hydroxides
NT1 bismuth iodides
NT1 bismuth nitrates
NT1 bismuth oxides
NT1 bismuth phosphates
NT1 bismuth selenides
NT1 bismuth sulfates
NT1 bismuth sulfides
NT1 bismuth tellurides
NT1 bismuth tungstates

BISMUTH FLUORIDES
BT1 bismuth compounds
*BT1 fluorides

bismuth germanate detectors
Use bgo detectors

BISMUTH GERMANATES
INIS: Dec 1983; ETDE: Jul 1983
BT1 bismuth compounds
*BT1 germanates
RT inorganic phosphors

BISMUTH HYDRIDES
BT1 bismuth compounds
*BT1 hydrides

BISMUTH HYDROXIDES
BT1 bismuth compounds
*BT1 hydroxides

BISMUTH IODIDES
BT1 bismuth compounds
*BT1 iodides

BISMUTH IONS
*BT1 ions

BISMUTH ISOTOPES
BT1 isotopes
NT1 bismuth 186
NT1 bismuth 188
NT1 bismuth 189
NT1 bismuth 190
NT1 bismuth 191
NT1 bismuth 192
NT1 bismuth 193
NT1 bismuth 194
NT1 bismuth 195
NT1 bismuth 196
NT1 bismuth 197
NT1 bismuth 198
NT1 bismuth 199
NT1 bismuth 200
NT1 bismuth 201
NT1 bismuth 202
NT1 bismuth 203
NT1 bismuth 204
NT1 bismuth 205
NT1 bismuth 206
NT1 bismuth 207
NT1 bismuth 208
NT1 bismuth 209
NT1 bismuth 210
NT1 bismuth 211
NT1 bismuth 212
NT1 bismuth 213
NT1 bismuth 214
NT1 bismuth 215
NT1 bismuth 216

BISMUTH NITRATES
BT1 bismuth compounds
*BT1 nitrates

BISMUTH ORES
BT1 ores

BISMUTH OXIDES
BT1 bismuth compounds
*BT1 oxides

BISMUTH PHOSPHATES
BT1 bismuth compounds
*BT1 phosphates

BISMUTH SELENIDES
INIS: Sep 1979; ETDE: Jan 1975
BT1 bismuth compounds
*BT1 selenides

BISMUTH SULFATES
BT1 bismuth compounds
*BT1 sulfates

BISMUTH SULFIDES
BT1 bismuth compounds
*BT1 sulfides

BISMUTH TELLURIDES
BT1 bismuth compounds
*BT1 tellurides

BISMUTH TUNGSTATES
INIS: Nov 1981; ETDE: Jul 1977
BT1 bismuth compounds
*BT1 tungstates

bismuth uranates
Use bismuth compounds
AND uranates

bisulfates
Use acid sulfates

bitter spar
Use dolomite

BITUMENS
UF *blown bitumens*
UF *tar sand oil*
UF+ *carburan*
UF+ *oil sand oils*
*BT1 tar
NT1 asphalts
NT1 coal tar
NT1 thucholite
RT asphaltite
RT bituminous materials
RT cold-water processes
RT oil sands
RT oil shales
RT waste processing

BITUMINOUS COAL
INIS: Sep 1991; ETDE: Jan 1975
SF *soft coal*
*BT1 black coal
RT subbituminous coal

BITUMINOUS MATERIALS
INIS: Jun 1993; ETDE: Feb 1975
(Materials containing much organic, or at least carbonaceous, matter, mostly in the form of tarry hydrocarbons which are usually described as bitumen.)
*BT1 carbonaceous materials
NT1 kerogen
NT1 oil sands
NT1 oil shales
NT2 black shales
RT bitumens
RT coal tar
RT shale tar

BL LACERTAE OBJECTS
INIS: Oct 1981; ETDE: Mar 1980
BT1 cosmic radio sources
RT quasars
RT seyfert galaxies

BLACK AMERICANS
INIS: Apr 2000; ETDE: May 1981
UF *american blacks*
*BT1 minority groups
RT sociology

black chrome
Use black coatings

black clawson system
Use waste processing

BLACK COAL
INIS: Sep 1991; ETDE: Jan 1975
*BT1 coal

NT1 anthracite
NT1 bituminous coal

BLACK COATINGS
INIS: Apr 2000; ETDE: Feb 1978
UF *black chrome*
BT1 coatings
NT1 black nickel
RT solar absorbers
RT spectrally selective surfaces

BLACK DWARF STARS
*BT1 dwarf stars

BLACK FOX-1 REACTOR
INIS: Jul 1976; ETDE: Mar 1976
(Rogers, Oklahoma, USA)
*BT1 bwr type reactors
RT ge standard reactor

BLACK FOX-2 REACTOR
INIS: Jul 1976; ETDE: Mar 1976
(Rogers, Oklahoma, USA)
*BT1 bwr type reactors
RT ge standard reactor

BLACK HOLES
RT accretion disks
RT gravitational collapse
RT kerr field
RT schwarzschild radius
RT stars
RT white holes

BLACK LIQUIDS
INIS: Apr 2000; ETDE: Aug 1978
*BT1 liquids
RT heat transfer fluids
RT solar absorbers
RT solar collectors

black liquors
Use spent liquors

black lung disease
Use pneumoconioses

BLACK NICKEL
INIS: Apr 2000; ETDE: Dec 1978
*BT1 black coatings
RT nickel
RT solar absorbers

BLACK NUCLEUS MODEL
*BT1 nuclear models

BLACK SANDS
BT1 minerals
BT1 sand
RT magnetite
RT thorianite
RT thorite
RT uraninites

BLACK SEA
*BT1 seas
RT bulgaria
RT danube river
RT dnieper river
RT moldova
RT republic of georgia
RT romania
RT turkey
RT ukraine

BLACK SHALES
INIS: Jul 1992; ETDE: Dec 1976
UF *antrim shales*
UF *devonian shales*
*BT1 oil shales
RT chattanooga formation
RT hytort process

BLACKBODY RADIATION
UF *universal blackbody radiation*
*BT1 electromagnetic radiation
RT emissivity
RT planck radiation formula
RT thermal radiation

blackouts
Use outages

BLADDER
*BT1 urinary tract
RT pelvis

blades (compressor)
Use compressor blades

blades (turbines)
Use turbine blades

BLAHUTOVICE-1 REACTOR
INIS: Apr 1988; ETDE: May 1988
(North Moravia, Czech Republic.)
*BT1 wwer type reactors

BLAIR MODEL
UF *blair phase rule*
RT elastic scattering

blair phase rule
Use blair model

BLANKENBECLER-SUGAR EQUATIONS
*BT1 integral equations
RT bethe-salpeter equation
RT lippmann-schwinger equation
RT particle production
RT scattering

blankets (breeding)
Use breeding blankets

blankets (gas)
Use gas blankets

BLASCON DEVICES
(Spherical configuration using swirling lithium to create a vortex for injection of fusion fuel for laser ignition.)
*BT1 closed plasma devices

BLAST EFFECTS
RT explosions
RT landslides
RT seismic effects
RT shock waves

BLAST FURNACES
BT1 furnaces

blasting
Use explosive fracturing

blasts
Use explosions

BLATT-BIEDENHARN FORMALISM
RT angular distribution

BLAYAIS-1 REACTOR
INIS: Oct 1995; ETDE: Oct 1995
*BT1 pwr type reactors

BLEACHING
RT coloration

blenders
Use mixers

blending
Use mixing

BLEOMYCIN
*BT1 antibiotics
*BT1 antimitotic drugs
*BT1 antineoplastic drugs
RT neoplasms
RT therapy

BLIND RIVER
*BT1 rivers

BLISTERS
INIS: Oct 1976; ETDE: Nov 1976
(Resulting near or on the surface of materials due to external physical or chemical effects.)
RT bubbles
RT heating
RT radiation effects
RT surfaces
RT swelling

BLIZZARD DEPOSIT
INIS: Feb 1981; ETDE: Mar 1981
*BT1 uranium deposits
RT british columbia
RT uranium ores

BLOCH EQUATIONS
BT1 equations
RT magnetic resonance

BLOCH THEORY
RT quantum mechanics

BLOCH WALL
INIS: Feb 1976; ETDE: Jan 1975
(Transition layer with finite thickness of a few hundred lattice constants, between adjacent ferromagnetic domains.)
BT1 domain structure

blocking
Use channeling

blocking layer
Use depletion layer

BLOCKING OSCILLATORS
*BT1 oscillators
RT pulse generators

BLOOD
*BT1 body fluids
NT1 blood cells
NT2 blood platelets
NT2 erythrocytes
NT3 reticulocytes
NT2 leukocytes
NT3 basophils
NT3 eosinophils
NT3 lymphocytes
NT3 monocytes
NT3 natural killer cells
NT3 neutrophils
NT1 blood plasma
NT2 blood serum
RT blood circulation
RT blood count
RT blood formation
RT blood groups
RT bone marrow
RT connective tissue
RT extracorporeal irradiation
RT hematologic agents
RT hemic diseases
RT hemocyanin
RT hemorrhage
RT hemosiderin
RT homeostasis

RT respiration
RT septicemia
RT transfusions
RT uremia

BLOOD-BRAIN BARRIER
RT homeostasis
RT physiology

BLOOD CELLS
*BT1 blood
NT1 blood platelets
NT1 erythrocytes
NT2 reticulocytes
NT1 leukocytes
NT2 basophils
NT2 eosinophils
NT2 lymphocytes
NT2 monocytes
NT2 natural killer cells
NT2 neutrophils
RT biological indicators
RT blood count
RT bone marrow

BLOOD CHEMISTRY
INIS: Jun 1982; ETDE: Jun 1980
*BT1 biochemistry
RT blood coagulation factors
RT blood plasma
RT blood serum
RT hemic diseases
RT pbi
RT qualitative chemical analysis
RT quantitative chemical analysis

BLOOD CIRCULATION
UF *cardiac output*
UF *circulation (blood)*
RT blood
RT blood flow
RT blood pressure
RT cardiography
RT cardiovascular system
RT emboli
RT heart
RT ischemia
RT kidneys
RT lungs
RT mechanical heart
RT myocardial infarction
RT parabiosis
RT physiology
RT spleen
RT vasoconstriction
RT vasodilation

blood clotting
Use blood coagulation

BLOOD COAGULATION
UF *blood clotting*
UF *coagulation (blood)*
RT anticoagulants
RT blood coagulation factors
RT blood platelets
RT blood serum
RT coalescence
RT fibrinolysin
RT hematologic agents
RT hematomas
RT hemophilia
RT hemorrhage
RT thrombosis

BLOOD COAGULATION FACTORS
*BT1 proteins
NT1 fibrin
NT1 fibrinogen
NT1 kallikrein
NT1 plasminogen
NT1 prothrombin
NT1 thrombin
NT1 thromboplastin
NT1 urokinase
RT blood chemistry
RT blood coagulation
RT blood platelets
RT calcium
RT fibrinolysin
RT folic acid
RT vitamin k

BLOOD COUNT
RT blood
RT blood cells

blood diseases
Use hemic diseases

BLOOD FLOW
UF *flow (blood)*
RT blood circulation
RT blood vessels
RT emboli
RT organs

BLOOD FORMATION
UF *hematopoiesis*
UF *hemopoiesis*
SF *leukocytin*
NT1 erythropoiesis
NT1 leukopoiesis
NT1 thrombopoiesis
RT blood
RT bone marrow
RT bone marrow cells
RT cell differentiation
RT hematopoietic system
RT spleen
RT spleen colony formation
RT stem cells

BLOOD GROUPS
RT blood
RT erythrocytes
RT hemagglutinins
RT transfusions

BLOOD PLASMA
UF *plasma (blood)*
*BT1 blood
NT1 blood serum
RT biological indicators
RT blood chemistry
RT blood substitutes
RT blood-plasma clearance
RT chylomicrons
RT complement
RT proteins

BLOOD-PLASMA CLEARANCE
UF *plasma clearance*
BT1 clearance
RT blood plasma
RT diagnostic techniques
RT pbi
RT radionuclide administration
RT radionuclide kinetics
RT thyroid
RT time dependence

BLOOD PLATELETS
UF *thrombocytes*
*BT1 blood cells
RT blood coagulation
RT blood coagulation factors
RT thrombopoiesis

BLOOD PRESSURE
RT antihypertensive agents
RT arteries
RT blood circulation
RT cardiography
RT cardiovascular system
RT hypertension
RT hypotension
RT renin

BLOOD SERUM
UF *serum (blood)*
UF+ *hsa*
UF+ *human serum albumin*
*BT1 blood plasma
RT blood chemistry
RT blood coagulation
RT immune serums

BLOOD SUBSTITUTES
UF *plasma substitutes*
*BT1 hematologic agents
NT1 dextran
NT1 pectins
NT1 pvp
RT blood plasma
RT coagulants
RT fibrinolytic agents
RT hematinics
RT post-irradiation therapy
RT transfusions

BLOOD VESSELS
UF+ *angiography*
BT1 cardiovascular system
*BT1 organs
NT1 arteries
NT2 aorta
NT2 carotid arteries
NT2 cerebral arteries
NT2 coronaries
NT1 capillaries
NT1 veins
NT2 portal system
RT angiomas
RT blood flow
RT bypasses
RT cardiovascular agents
RT emboli
RT hemorrhage
RT ischemia
RT telangiectasis
RT thrombosis
RT vascular diseases
RT vasoconstriction
RT vasoconstrictors
RT vasodilation
RT vasodilators

BLOWDOWN
RT loss of coolant

BLOWERS
UF *fans*
RT automotive accessories
RT bellows
RT ceiling fans
RT compressors
RT pumps
RT reactor cooling systems
RT superchargers

blown bitumens
Use bitumens

BLOWOFF
INIS: Apr 2000; ETDE: Jan 1975
(Separation of a flame from a burner; material, either solid, liquid, or vapor, ejected from a sample upon absorption of high energy in a short period of time.)
RT burners

RT evaporation
RT flame propagation
RT flames
RT flashback

BLOWOUT PREVENTERS

INIS: Jan 1993; ETDE: Mar 1976
(Stacks or assemblies of heavy-duty valves attached to the top of the casing to control well pressure.)
UF *bop*
*BT1 drilling equipment
RT blowouts
RT natural gas wells
RT oil wells

BLOWOUTS

INIS: Sep 1991; ETDE: Jan 1975
(The high-pressure, sometimes violent, uncontrolled ejection of water, gas, or oil from a borehole.)
BT1 accidents
RT blowout preventers
RT oil wells
RT wells

blowup (particle beams)

Use beam dynamics

blue-green algae

Use cyanobacteria

BLUE HILLS-1 REACTOR

(Newton, Texas, USA)
*BT1 pwr type reactors

BLUE HILLS-2 REACTOR

(Newton, Texas, USA)
*BT1 pwr type reactors

BLUE STELLAR OBJECTS

*BT1 quasars

BLUEBERRIES

INIS: Jul 1993; ETDE: Dec 1984
*BT1 berries

bmi reactor

Use brr reactor

BN-1600 REACTOR

INIS: Sep 1979; ETDE: Oct 1979
(Russian Federation)
*BT1 lmfbr type reactors
*BT1 power reactors
*BT1 sodium cooled reactors

BN-350 REACTOR

(Mangyshalk, Shevchenko, Russian Federation)
UF *fort shevchenko reactor*
*BT1 desalination reactors
*BT1 lmfbr type reactors
*BT1 power reactors
*BT1 sodium cooled reactors
RT enriched uranium reactors
RT plutonium reactors

bn-600 reactor

Use beloyarsk-3 reactor

BN-800 REACTOR

INIS: Feb 1989; ETDE: Mar 1989
*BT1 lmfbr type reactors
*BT1 power reactors
*BT1 sodium cooled reactors

BNFL

INIS: Apr 1980; ETDE: May 1980
UF *british nuclear fuels limited*
*BT1 united kingdom organizations

BNL

UF *brookhaven national laboratory*
*BT1 us aec
*BT1 us doe
*BT1 us erda
RT new york

bnl reactor

See graphite moderated reactors
OR research reactors
OR zero power reactors

bnps-1 reactor

Use beloyarsk-1 reactor

bnps-2 reactor

Use beloyarsk-2 reactor

bod

Use biochemical oxygen demand

BODY

(See also PLANT TISSUES. Prior to March 1997 BODY AREAS was a valid ETDE descriptor.)
UF *body areas*
NT1 abdomen
NT1 animal tissues
NT2 bone marrow
NT2 connective tissue
NT3 adipose tissue
NT3 bone tissues
NT4 antlers
NT4 trabecular bone
NT3 cartilage
NT3 fascia
NT3 ligaments
NT3 tendons
NT2 endothelium
NT2 epithelium
NT3 epidermis
NT2 nerve tissue
NT2 perfused tissues
NT2 reticuloendothelial system
NT1 chest
NT2 mediastinum
NT1 head
NT2 face
NT3 eyes
NT4 conjunctiva
NT4 cornea
NT4 crystalline lens
NT4 lacrimal ducts
NT4 retina
NT4 uvea
NT3 nose
NT1 hematopoietic system
NT2 bone marrow
NT1 limbs
NT2 arms
NT3 hands
NT4 fingers
NT2 legs
NT3 feet
NT1 neck
NT1 organs
NT2 blood vessels
NT3 arteries
NT4 aorta
NT4 carotid arteries
NT4 cerebral arteries
NT4 coronaries
NT3 capillaries
NT3 veins
NT4 portal system
NT2 bone marrow
NT2 brain
NT3 cerebellum
NT3 cerebrum
NT4 cerebral cortex
NT3 hippocampus
NT3 hypothalamus
NT3 olfactory bulbs
NT3 thalamus
NT2 critical organs
NT2 diaphragm
NT2 esophagus
NT2 female genitals
NT3 ovaries
NT3 uterus
NT2 glands
NT3 endocrine glands
NT4 adrenal glands
NT4 pancreas
NT4 parathyroid glands
NT4 pituitary gland
NT4 thyroid
NT3 liver
NT3 mammary glands
NT3 pineal gland
NT3 prostate
NT3 salivary glands
NT2 heart
NT3 myocardium
NT3 pericardium
NT2 intestines
NT3 large intestine
NT4 rectum
NT3 small intestine
NT2 kidneys
NT3 glomeruli
NT3 tubules
NT2 lungs
NT2 male genitals
NT3 prostate
NT3 testes
NT2 perfused organs
NT2 pharynx
NT2 sense organs
NT3 auditory organs
NT3 eyes
NT4 conjunctiva
NT4 cornea
NT4 crystalline lens
NT4 lacrimal ducts
NT4 retina
NT4 uvea
NT3 taste buds
NT3 vestibular apparatus
NT2 skeleton
NT3 bone joints
NT3 exoskeleton
NT3 femur
NT3 skull
NT4 jaw
NT3 tibia
NT3 vertebrae
NT2 skin
NT3 epidermis
NT3 hair
NT3 hair follicles
NT3 nails
NT2 spleen
NT2 stomach
NT2 thymus
NT2 tongue
NT2 urinary tract
NT3 bladder
NT3 ureters
NT1 pelvis
RT anatomy
RT body composition
RT retention
RT sinuses
RT whole-body counting
RT whole-body irradiation

body areas

Use body

BODY BURDEN
RT biological half-life
RT contamination
RT icrp critical group
RT maximum permissible body burden
RT pollution
RT radioactivity
RT radionuclide kinetics

body centered cubic
Use bcc lattices

BODY COMPOSITION
RT body
RT quantitative chemical analysis

BODY FLUIDS
UF+ *aqueous humor*
SF *biological fluids*
*BT1 biological materials
NT1 amniotic fluid
NT1 bile
NT1 blood
NT2 blood cells
NT3 blood platelets
NT3 erythrocytes
NT4 reticulocytes
NT3 leukocytes
NT4 basophils
NT4 eosinophils
NT4 lymphocytes
NT4 monocytes
NT4 natural killer cells
NT4 neutrophils
NT2 blood plasma
NT3 blood serum
NT1 cerebrospinal fluid
NT1 gastric acid
NT1 lymph
NT1 milk
NT1 saliva
NT1 sweat
NT1 urine
RT edema
RT excretion
RT feces
RT secretion

BODY TEMPERATURE
UF *temperature (body)*
NT1 hyperthermia
NT1 hypothermia
RT fever
RT heat stress
RT physiology
RT thermoregulation

body waves p (seismic)
Use seismic p waves

body waves s (seismic)
Use seismic s waves

BOGHEAD COAL
INIS: Apr 2000; ETDE: May 1978
*BT1 sapropelic coal
NT1 torbanite

BOGOLYUBOV METHOD
BT1 calculation methods
RT superconductivity

bogolyubov theory
Use bbgky equation

BOGOLYUBOV TRANSFORMATION
UF *bogolyubov-valatin relation*
*BT1 canonical transformations
RT hartree-fock-bogolyubov theory

bogolyubov-valatin relation
Use bogolyubov transformation

bogs
Use swamps

BOHM CRITERION
UF *bohm theory*
UF *bohm-gross method*
RT plasma

bohm-gross method
Use bohm criterion

bohm-pines theory
Use pines-bohm theory

bohm theory
Use bohm criterion

bohr approximation
Use nilsson-mottelson model

bohr-mottelson model
Use nilsson-mottelson model

bohr-sommerfeld quantum theory
Use bohr theory

BOHR THEORY
UF *bohr-sommerfeld quantum theory*
RT atomic models

BOHR-WHEELER THEORY
RT fission
RT nuclear models

BOHUNICE A-1 REACTOR
(Trnava, Slovakia)
UF *a-1 reactor (bohunice)*
UF *heavy water gas cooled reactor of slovakia*
UF *ks-150 reactor*
*BT1 carbon dioxide cooled reactors
*BT1 hwgcr type reactors
*BT1 natural uranium reactors
*BT1 power reactors
*BT1 thermal reactors

BOHUNICE A-2 REACTOR
(Trnava, Slovakia)
UF *a-2 reactor (bohunice)*
*BT1 hwgcr type reactors
*BT1 natural uranium reactors
*BT1 power reactors
*BT1 thermal reactors

BOHUNICE V-1 REACTOR
(Trnava, Slovakia)
UF *v-1 reactor (bohunice)*
*BT1 wwer type reactors

BOHUNICE V-2 REACTOR
INIS: May 1979; ETDE: Sep 1979
(Trnava, Slovakia)
UF *v-2 reactor (bohunice)*
*BT1 wwer type reactors

boiler fuel
Use boiler fuels

BOILER FUELS
INIS: Feb 1993; ETDE: Jan 1981
UF *boiler fuel*
BT1 fuels
RT boilers
RT fossil-fuel power plants
RT steam generators

BOILERS
NT1 fluidized bed boilers
NT1 refuse-fueled boilers
NT1 vapor generators
NT2 steam generators
NT1 waste heat boilers
RT boiler fuels
RT boiling
RT central receivers
RT combustion control
RT deaerators
RT district heating
RT feedwater
RT heat transfer
RT reactor cooling systems
RT stokers

BOILING
BT1 phase transformations
NT1 film boiling
NT1 nucleate boiling
NT2 departure nucleate boiling
NT1 pool boiling
NT1 subcooled boiling
NT1 transition boiling
RT boilers
RT boiling detection
RT bubble growth
RT evaporation
RT heat transfer
RT heating
RT steam generators
RT two-phase flow

BOILING DETECTION
BT1 detection
RT boiling
RT bubble growth
RT bubbles
RT foams
RT reactor control systems
RT reactor safety
RT voids

boiling heavy water cooled and moderated reactor
Use bhwr type reactors

boiling nuclear superheater reactor
Use bonus reactor

BOILING POINTS
*BT1 transition temperature
RT azeotrope

boiling reactor experiment 1
Use borax-1 reactor

boiling reactor experiment 2
Use borax-2 reactor

boiling reactor experiment 3
Use borax-3 reactor

boiling reactor experiment 4
Use borax-4 reactor

boiling reactor experiment 5
Use borax-5 reactor

boiling water cooled and moderated reactor
Use bwr type reactors

BOLIVIA
BT1 developing countries
*BT1 south america
NT1 chacaltaya
RT andes

BOLL WEEVIL
UF *anthonomus grandis*
*BT1 beetles
RT cotton plants

BOLLWORM
UF *heliothis*
*BT1 moths
RT cotton plants

BOLOMETERS
BT1 measuring instruments
RT temperature measurement
RT thermometers

BOLSA CHICA-1 REACTOR
INIS: Apr 2000; ETDE: Dec 1974
*BT1 bwr type reactors

BOLSA CHICA-2 REACTOR
INIS: Apr 2000; ETDE: Dec 1974
*BT1 bwr type reactors

BOLTED JOINTS
BT1 joints

bolting
Use fastening

bolts
Use fasteners

boltwoodite
Use silicate minerals
AND uranium minerals

boltzmann approximation
Use boltzmann statistics

boltzmann collision integral
Use boltzmann equation

BOLTZMANN EQUATION
UF *boltzmann collision integral*
UF *boltzmann transport equation*
UF *born-green-yvon equation*
UF *maxwell-boltzmann equation*
*BT1 integro-differential equations
*BT1 kinetic equations
*BT1 partial differential equations
RT collision integrals
RT gases
RT p1-approximation
RT p3-approximation
RT statistical mechanics
RT transport theory

boltzmann event
Use atmospheric explosions
AND plumbbob project

boltzmann factor
Use boltzmann statistics

BOLTZMANN STATISTICS
UF *boltzmann approximation*
UF *boltzmann factor*
UF *maxwell distribution*
UF *maxwell statistics*
UF *maxwell velocity distribution*
UF *maxwell-boltzmann distribution*
UF *maxwell-boltzmann statistics*
RT distribution
RT h theorem
RT statistical mechanics

boltzmann transport equation
Use boltzmann equation

BOLTZMANN-VLASOV EQUATION
UF *collisionless boltzmann equation*
UF *liouville equation*
UF *vlasov equation*
UF *vlasov instability*
UF *vlasov-maxwell equations*
SF *maxwell-boltzmann system*
*BT1 partial differential equations
NT1 plasma fluid equations
RT plasma
RT quasilinear problems
RT transport theory

bom-erda process
Use desulfurization

bom refining districts
Use petroleum refineries

BOMB REDUCTION
*BT1 reduction

BOMBS
INIS: Apr 2000; ETDE: Sep 1984
(Explosive devices fused to detonate under specified conditions.)
BT1 weapons

bombyx
Use silkworm

BOND ANGLE
UF *angle (bond)*
RT binding energy
RT chemical bonds

BOND LENGTHS
*BT1 length
RT binding energy
RT chemical bonds
RT molecular structure

BONDING
(For joining metals and other materials. For nuclear or chemical bonding, see also BINDING ENERGY.)
UF *fusion (bonding, nonmetallic)*
*BT1 joining
RT adhesion
RT cementing
RT coalescence
RT grouting
RT joints

BONDUR
INIS: Apr 2000; ETDE: Dec 1974
*BT1 aluminium base alloys
*BT1 copper alloys
*BT1 magnesium additions
*BT1 manganese additions
*BT1 silicon additions

BONE CELLS
UF *osteocytes*
*BT1 connective tissue cells
RT bone marrow
RT bone marrow cells
RT bone tissues

bone diseases
Use skeletal diseases

BONE FRACTURES
UF *fractures (bone)*
*BT1 injuries
RT skeletal diseases

BONE JOINTS
UF *joints (anatomy)*
UF *synovia*
*BT1 skeleton
RT cartilage
RT rheumatic diseases
RT skeletal diseases

BONE MARROW
*BT1 animal tissues
*BT1 hematopoietic system
*BT1 organs
RT blood
RT blood cells
RT blood formation
RT bone cells
RT bone marrow cells
RT bone tissues
RT leukemia
RT plasma cells
RT polycythemia
RT radiation syndrome
RT reticuloendothelial system
RT stem cells
RT trabecular bone

BONE MARROW CELLS
UF *erythroblasts*
UF *megakaryocytes*
*BT1 connective tissue cells
RT biological indicators
RT blood formation
RT bone cells
RT bone marrow

BONE SEEKERS
*BT1 radioisotopes
RT biological hot spots
RT biological localization
RT bone tissues
RT calcium isotopes
RT radionuclide kinetics
RT radium isotopes
RT strontium isotopes

BONE TISSUES
UF *endosteum*
UF *epiphysis (bones)*
UF *periosteum*
*BT1 connective tissue
NT1 antlers
NT1 trabecular bone
RT bone cells
RT bone marrow
RT bone seekers
RT calcium
RT dentin
RT hyperparathyroidism
RT osteodensitometry
RT osteomyelitis
RT osteoporosis
RT osteoradionecrosis
RT osteosarcomas
RT parathormone
RT rheumatic diseases
RT rickets
RT skeletal diseases
RT skeleton
RT teeth

bones
Use skeleton

BONN SYNCHROTRON
*BT1 synchrotrons

BONNER SPHERE DETECTORS
UF *multisphere neutron detectors*
*BT1 moderating detectors

BONNER SPHERE SPECTROMETERS
*BT1 neutron spectrometers

BONNEVILLE POWER ADMINISTRATION
INIS: Aug 1991; ETDE: Mar 1977
UF *bpa*
*BT1 us doe
RT electric power

BONUS REACTOR
UF *boiling nuclear superheater reactor*
UF *bwr superheater puerto rico reactor*
UF *puerto rico bonus reactor*
*BT1 bwr type reactors

bookkeeping
Use accounting

BOOM CLAY
Aug 2003
UF+ *boom clay formation*
*BT1 clays
RT geologic formations
RT marine disposal
RT radioactive waste disposal
RT underground disposal

boom clay formation
Use boom clay
AND geologic formations

BOOM TOWNS
INIS: Apr 2000; ETDE: Feb 1978
RT human populations
RT rural areas
RT social services
RT urban areas

boosters (particle)
Use particle boosters

BOOTSTRAP CURRENT
INIS: Apr 1989; ETDE: May 1989
*BT1 electric currents
RT neoclassical transport theory
RT non-inductive current drive
RT plasma

BOOTSTRAP MODEL
*BT1 composite models
RT coupling

bop
Use blowout preventers

BOPSSAR STANDARD PLANT
INIS: Oct 1977; ETDE: Mar 1976
*BT1 nuclear power plants
RT westinghouse standard reactor

BOR-60 REACTOR
(Dimitrovgrad, Russian Federation)
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 lmfbr type reactors
*BT1 power reactors
*BT1 sodium cooled reactors

BORANES
UF *diborane*
BT1 boron compounds
*BT1 hydrides
RT carboranes

BORATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor with the exception of the one NT below.)
BT1 boron compounds
BT1 oxygen compounds
NT1 borax
RT boric acid
RT boron oxides

BORAX
*BT1 borates
*BT1 sodium compounds

BORAX-1 REACTOR
UF *boiling reactor experiment 1*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

BORAX-2 REACTOR
UF *boiling reactor experiment 2*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

BORAX-3 REACTOR
UF *boiling reactor experiment 3*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 power reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

BORAX-4 REACTOR
UF *boiling reactor experiment 4*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 power reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 thorium reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

BORAX-5 REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *boiling reactor experiment 5*
*BT1 enriched uranium reactors
*BT1 power reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

bordentown nj newbold island-1 reactor
Use newbold island-1 reactor

bordentown nj newbold island-2 reactor
Use newbold island-2 reactor

BORDONI PEAK
RT dislocations
RT internal friction

BOREAL REGIONS
INIS: May 1992; ETDE: Feb 1987
(Those regions comprising the climate and biotic communities between the polar regions and the temperate zones.)
RT climates
RT cryosphere
RT polar regions
RT temperate zones

BOREHOLE LINKING
INIS: Apr 2000; ETDE: Nov 1976
(Creation of channels or fissures between boreholes in ore deposits to facilitate movement of gases or liquids.)
UF *linking (borehole)*
NT1 electrolinking
RT propping agents

BOREHOLES
UF *drill holes*
BT1 cavities
RT borescopes
RT earthmoving equipment
RT electrolinking
RT exploratory wells
RT formation damage
RT openings
RT rock drilling
RT stemming materials
RT subterrene penetrators
RT well logging
RT wells

BORESCOPES
INIS: Nov 1975; ETDE: Dec 1975
(A device, usually optical, for examining the inside surface of tubes, pipes, or bores.)
RT boreholes
RT pipes
RT pressure tubes
RT telescopes
RT tubes
RT well logging

BORIC ACID
BT1 boron compounds
*BT1 inorganic acids
BT1 oxygen compounds
RT borates

BORIDES
UF+ *bismuth borides*
UF+ *cadmium borides*
UF+ *neptunium borides*
UF+ *strontium borides*
UF+ *tin borides*
BT1 boron compounds
NT1 aluminium borides
NT1 barium borides
NT1 beryllium borides
NT1 calcium borides
NT1 cerium borides
NT1 chromium borides
NT1 cobalt borides
NT1 copper borides
NT1 dysprosium borides
NT1 erbium borides
NT1 europium borides
NT1 gadolinium borides
NT1 germanium borides
NT1 hafnium borides
NT1 holmium borides
NT1 indium borides
NT1 iridium borides
NT1 iron borides
NT1 lanthanum borides
NT1 lithium borides
NT1 lutetium borides
NT1 magnesium borides
NT1 manganese borides
NT1 molybdenum borides
NT1 neodymium borides
NT1 nickel borides
NT1 niobium borides
NT1 osmium borides
NT1 palladium borides
NT1 plutonium borides
NT1 potassium borides
NT1 praseodymium borides
NT1 rhenium borides
NT1 rhodium borides
NT1 ruthenium borides
NT1 samarium borides
NT1 scandium borides
NT1 silicon borides
NT1 sodium borides
NT1 tantalum borides

NT1 terbium borides
NT1 thorium borides
NT1 thulium borides
NT1 titanium borides
NT1 tungsten borides
NT1 uranium borides
NT1 vanadium borides
NT1 ytterbium borides
NT1 yttrium borides
NT1 zinc borides
NT1 zirconium borides
RT ceramics
RT intermetallic compounds

BORN APPROXIMATION
UF *approximation (born)*
UF *born cross sections*
UF *plane-wave born approximation*
UF *pwba*
NT1 coupled channel born approximation
NT1 dwba
RT perturbation theory
RT quantum mechanics
RT scattering

born-bogolyubov-green-kirkwood-yvon
Use bbgky equation

born cross sections
Use born approximation

born-green-yvon equation
Use boltzmann equation

BORN-INFELD THEORY
RT electrodynamics
RT maxwell equations

BORN-MAYER EQUATION
BT1 equations

BORN-OPPENHEIMER APPROXIMATION
UF *approximation (born-oppenheimer)*
RT adiabatic approximation
RT scattering

BORN-VON KARMAN THEORY
RT specific heat

BOROHYDRIDES
(Specific compounds should be indexed by coordination of adescriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 boron compounds
BT1 hydrogen compounds
NT1 uranium borohydrides

BORON
*BT1 semimetals

BORON 10
*BT1 boron isotopes
*BT1 light nuclei
*BT1 odd-odd nuclei
*BT1 stable isotopes
RT boron 10 beams
RT boron 10 reactions

BORON 10 BEAMS
*BT1 ion beams
RT boron 10

BORON 10 REACTIONS
*BT1 heavy ion reactions
RT boron 10

BORON 10 TARGET
BT1 targets

BORON 11
*BT1 boron isotopes
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes
RT boron 11 beams
RT boron 11 reactions

BORON 11 BEAMS
*BT1 ion beams
RT boron 11

BORON 11 REACTIONS
*BT1 heavy ion reactions
RT boron 11

BORON 11 TARGET
BT1 targets

BORON 12
*BT1 beta-minus decay radioisotopes
*BT1 boron isotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

BORON 12 TARGET
BT1 targets

BORON 13
*BT1 beta-minus decay radioisotopes
*BT1 boron isotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

BORON 13 TARGET
INIS: Dec 1975; ETDE: Jul 1976
BT1 targets

BORON 14
*BT1 beta-minus decay radioisotopes
*BT1 boron isotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

BORON 15
*BT1 beta-minus decay radioisotopes
*BT1 boron isotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

BORON 16
INIS: Sep 1992; ETDE: Jan 1975
*BT1 beta-minus decay radioisotopes
*BT1 boron isotopes
*BT1 light nuclei
*BT1 odd-odd nuclei

BORON 17
*BT1 beta-minus decay radioisotopes
*BT1 boron isotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

BORON 18
INIS: Jul 1985; ETDE: Feb 1985
*BT1 boron isotopes
*BT1 light nuclei
*BT1 odd-odd nuclei

BORON 19
*BT1 beta-minus decay radioisotopes
*BT1 boron isotopes
*BT1 light nuclei
*BT1 odd-even nuclei

BORON 7
*BT1 boron isotopes
*BT1 light nuclei
*BT1 odd-even nuclei

BORON 8
*BT1 beta-plus decay radioisotopes
*BT1 boron isotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

BORON 8 REACTIONS
*BT1 heavy ion reactions

BORON 8 TARGET
INIS: Sep 1992; ETDE: Nov 1981
BT1 targets

BORON 9
*BT1 alpha decay radioisotopes
*BT1 boron isotopes
*BT1 light nuclei
*BT1 odd-even nuclei

BORON ADDITIONS
(Alloys containing not more than 1% B are listed here.)
*BT1 boron alloys
NT1 alloy-in-102
NT1 alloy-mo99b
NT1 alloy-ni43fe33cr16mo3
NT2 nimonic pe16
NT1 alloy-ni46cr23co19ti5al4
NT2 alloy-in-939
NT1 alloy-ni53co19cr15mo5al4ti3
NT2 udimet 700
NT1 alloy-ni55co17cr15mo5al4ti4
NT2 astroloy
NT1 alloy-ni55cr19co11mo10ti3
NT2 rene 41
NT1 alloy-ni58cr20co14mo4ti3
NT2 waspaloy
NT1 alloy-ni59cr20co17ti2
NT1 alloy-ni60co15cr10al6ti5mo3
NT2 alloy-in-100
NT1 alloy-ni61cr16co9al3ti3w3
NT2 alloy-in-738
NT1 alloy-ni62cr16mo15fe3
NT2 hastelloy s
NT1 alloy-ni74cr13al6mo4
NT2 inconel 713c
NT1 alloy-ni75cr12al6mo5
NT2 inconel 713lc
NT1 alloy-ni76cr20ti2
NT2 nimonic 80a
NT1 alloy-ni77cr20ti2
NT1 incoloy 901
NT1 rene 80
NT1 steel-cr15ni15motib
NT1 steel-ni26cr15ti2movalb
NT2 alloy-a-286

BORON ALLOYS
(Alloys containing more than 1% B.)
BT1 alloys
NT1 boron additions
NT2 alloy-in-102
NT2 alloy-mo99b
NT2 alloy-ni43fe33cr16mo3
NT3 nimonic pe16
NT2 alloy-ni46cr23co19ti5al4
NT3 alloy-in-939
NT2 alloy-ni53co19cr15mo5al4ti3
NT3 udimet 700
NT2 alloy-ni55co17cr15mo5al4ti4
NT3 astroloy
NT2 alloy-ni55cr19co11mo10ti3
NT3 rene 41
NT2 alloy-ni58cr20co14mo4ti3

NT3 waspaloy
NT2 alloy-ni59cr20co17ti2
NT2 alloy-ni60co15cr10al6ti5mo3
NT3 alloy-in-100
NT2 alloy-ni61cr16co9al3ti3w3
NT3 alloy-in-738
NT2 alloy-ni62cr16mo15fe3
NT3 hastelloy s
NT2 alloy-ni74cr13al6mo4
NT3 inconel 713c
NT2 alloy-ni75cr12al6mo5
NT3 inconel 713lc
NT2 alloy-ni76cr20ti2
NT3 nimonic 80a
NT2 alloy-ni77cr20ti2
NT2 incoloy 901
NT2 rene 80
NT2 steel-cr15ni15motib
NT2 steel-ni26cr15ti2movalb
NT3 alloy-a-286
NT1 colmonoy

BORON ARSENIDES

INIS: Apr 1989; ETDE: Dec 1976
*BT1 arsenides
BT1 boron compounds

BORON BROMIDES

BT1 boron compounds
*BT1 bromides

BORON CARBIDES

BT1 boron compounds
*BT1 carbides

BORON CHLORIDES

BT1 boron compounds
*BT1 chlorides

BORON COATED ION CHAMBERS

*BT1 ionization chambers
*BT1 neutron detectors

BORON COMPLEXES

BT1 complexes

BORON COMPOUNDS

NT1 boranes
NT1 borates
NT2 borax
NT1 boric acid
NT1 borides
NT2 aluminium borides
NT2 barium borides
NT2 beryllium borides
NT2 calcium borides
NT2 cerium borides
NT2 chromium borides
NT2 cobalt borides
NT2 copper borides
NT2 dysprosium borides
NT2 erbium borides
NT2 europium borides
NT2 gadolinium borides
NT2 germanium borides
NT2 hafnium borides
NT2 holmium borides
NT2 indium borides
NT2 iridium borides
NT2 iron borides
NT2 lanthanum borides
NT2 lithium borides
NT2 lutetium borides
NT2 magnesium borides
NT2 manganese borides
NT2 molybdenum borides
NT2 neodymium borides
NT2 nickel borides
NT2 niobium borides
NT2 osmium borides
NT2 palladium borides
NT2 plutonium borides
NT2 potassium borides
NT2 praseodymium borides
NT2 rhenium borides
NT2 rhodium borides
NT2 ruthenium borides
NT2 samarium borides
NT2 scandium borides
NT2 silicon borides
NT2 sodium borides
NT2 tantalum borides
NT2 terbium borides
NT2 thorium borides
NT2 thulium borides
NT2 titanium borides
NT2 tungsten borides
NT2 uranium borides
NT2 vanadium borides
NT2 ytterbium borides
NT2 yttrium borides
NT2 zinc borides
NT2 zirconium borides
NT1 borohydrides
NT2 uranium borohydrides
NT1 boron arsenides
NT1 boron bromides
NT1 boron carbides
NT1 boron chlorides
NT1 boron fluorides
NT1 boron hydrides
NT1 boron hydroxides
NT1 boron iodides
NT1 boron nitrides
NT1 boron oxides
NT1 boron phosphates
NT1 boron phosphides
NT1 boron silicates
NT1 boron silicides
NT1 boron sulfides
NT1 boronic acids
NT1 fluoroborates
NT1 fluoroboric acid
RT organic boron compounds

BORON FLUORIDES

BT1 boron compounds
*BT1 fluorides
RT fluoroborates

BORON HYDRIDES

(Until July 1996 this concept was indexed to BORANES.)
BT1 boron compounds
*BT1 hydrides

BORON HYDROXIDES

BT1 boron compounds
*BT1 hydroxides

boron injection

Use safety injection

BORON IODIDES

BT1 boron compounds
*BT1 iodides

BORON IONS

*BT1 ions

BORON ISOTOPES

BT1 isotopes
NT1 boron 10
NT1 boron 11
NT1 boron 12
NT1 boron 13
NT1 boron 14
NT1 boron 15
NT1 boron 16
NT1 boron 17
NT1 boron 18
NT1 boron 19
NT1 boron 7
NT1 boron 8
NT1 boron 9

BORON LINED COUNTERS

*BT1 neutron detectors
*BT1 proportional counters

BORON NITRIDES

BT1 boron compounds
*BT1 nitrides

BORON OXIDES

BT1 boron compounds
*BT1 oxides
RT borates

BORON PHOSPHATES

BT1 boron compounds
*BT1 phosphates
RT borophosphate glass

BORON PHOSPHIDES

INIS: Jul 1978; ETDE: Mar 1976
BT1 boron compounds
*BT1 phosphides

BORON SILICATES

BT1 boron compounds
*BT1 silicates
RT borosilicate glass
RT silicate minerals
RT tourmaline

BORON SILICIDES

INIS: Sep 1985; ETDE: Mar 1981
BT1 boron compounds
*BT1 silicides

BORON SULFIDES

BT1 boron compounds
*BT1 sulfides

BORONIC ACIDS

BT1 boron compounds
*BT1 organic acids

BOROPHOSPHATE GLASS

INIS: Feb 1981; ETDE: Oct 1980
(Low expansion heat resistant glass.)
UF *borophosphates*
BT1 glass
RT boron phosphates
RT borosilicate glass
RT phosphate glass

borophosphates

Use borophosphate glass

BOROSILICATE GLASS

INIS: Nov 1980; ETDE: Jul 1980
(Low expansion heat resistant glass.)
UF *borosilicates*
BT1 glass
NT1 pyrex
RT boron silicates
RT borophosphate glass

borosilicates

Use borosilicate glass

BORSSELE REACTOR

(Borssele, Zeeland, Netherlands)
UF *kcb reactor*
UF *kernenergiecentrale borssele reactor*
*BT1 pwr type reactors

BOSCH PROCESS

INIS: Apr 2000; ETDE: Jan 1975
(Catalytic process for hydrogen production from carbon monoxide and steam.)
BT1 chemical reactions
RT carbon monoxide
RT hydrogen production
RT steam

BOSE-EINSTEIN CONDENSATION

RT pion condensation
RT superfluidity

BOSE-EINSTEIN GAS

RT bose-einstein statistics
RT bosons
RT fermi gas

BOSE-EINSTEIN STATISTICS

RT bose-einstein gas
RT bosons
RT cooper pairs
RT fermi statistics
RT parastatistics
RT statistical mechanics

BOSNIA AND HERZEGOVINA

INIS: Nov 1997; ETDE: Nov 1999
*BT1 eastern europe

BOSON-EXCHANGE MODELS

UF *meson exchange*
*BT1 peripheral models
NT1 obe model
NT2 ope model
NT3 electric born model
NT1 sigma model
RT deep inelastic scattering

BOSON EXPANSION

INIS: Jan 1986; ETDE: Nov 1984
UF *bosonization*
RT boson-fermion symmetry
RT collective model
RT dyson representation
RT generator-coordinate method
RT hartree-fock-bogolyubov theory
RT interacting boson model
RT quantum mechanics
RT quantum operators
RT random phase approximation
RT series expansion
RT tamm-dancoff method

BOSON-FERMION SYMMETRY

INIS: Dec 1984; ETDE: Dec 1984
(Symmetry of a system containing a conserved number of bosons as well as fermions in which bosons and fermions sharea common symmetry.)
UF *dynamical boson-fermion symmetry*
UF *fermion-boson symmetry*
UF *spinor symmetry*
BT1 symmetry
RT boson expansion
RT bosons
RT dynamical groups
RT fermions
RT interacting boson model

bosonization

Use boson expansion

BOSONS

NT1 gluons
NT1 goldstone bosons
NT2 axions
NT1 intermediate bosons
NT2 intermediate vector bosons
NT3 w minus bosons
NT3 w plus bosons
NT3 z neutral bosons
NT1 mesons
NT2 antimesons
NT3 pseudoscalar antimesons
NT4 anti-b neutral mesons
NT4 anti-d neutral mesons
NT2 axial vector mesons
NT3 a1-1260 mesons
NT3 b1-1235 mesons
NT3 chi b1-9890 mesons
NT3 chi1-3510 mesons
NT3 d s-2536 mesons
NT3 d1-2420 mesons
NT3 f1-1285 mesons
NT3 f1-1420 mesons
NT3 f1-1510 mesons
NT3 h1-1170 mesons
NT3 k1-1270 mesons
NT3 k1-1400 mesons
NT2 baryonium
NT2 beauty mesons
NT3 b c mesons
NT3 b mesons
NT4 b minus mesons
NT4 b neutral mesons
NT5 anti-b neutral mesons
NT4 b plus mesons
NT3 b s mesons
NT3 b*-5325 mesons
NT2 bottomonium
NT3 chi b0-10235 mesons
NT3 chi b0-9860 mesons
NT3 chi b1-10255 mesons
NT3 chi b1-9890 mesons
NT3 chi b2-10270 mesons
NT3 chi b2-9915 mesons
NT3 upsilon-10023 mesons
NT3 upsilon-10355 mesons
NT3 upsilon-10580 mesons
NT3 upsilon-10860 mesons
NT3 upsilon-11020 mesons
NT3 upsilon-9460 mesons
NT2 charmed mesons
NT3 b c mesons
NT3 d mesons
NT4 d minus mesons
NT4 d neutral mesons
NT5 anti-d neutral mesons
NT4 d plus mesons
NT3 d s mesons
NT3 d s-2536 mesons
NT3 d*-2010 mesons
NT3 d*2-2460 mesons
NT3 d*s-2110 mesons
NT3 d1-2420 mesons
NT2 charmonium
NT3 chi0-3415 mesons
NT3 chi1-3510 mesons
NT3 chi2-3555 mesons
NT3 eta c-2980 mesons
NT3 eta c-3590 mesons
NT3 j psi-3097 mesons
NT3 psi-3685 mesons
NT3 psi-3770 mesons
NT3 psi-4040 mesons
NT3 psi-4160 mesons
NT3 psi-4415 mesons
NT2 pomeranchuk particles
NT2 pseudoscalar mesons
NT3 b c mesons
NT3 b mesons
NT4 b minus mesons
NT4 b neutral mesons
NT5 anti-b neutral mesons
NT4 b plus mesons
NT3 b s mesons
NT3 d mesons
NT4 d minus mesons
NT4 d neutral mesons
NT5 anti-d neutral mesons
NT4 d plus mesons
NT3 d s mesons
NT3 eta c-2980 mesons
NT3 eta mesons
NT3 eta prime-958 mesons
NT3 eta-1295 mesons
NT3 eta-1440 mesons
NT3 k-1460 mesons
NT3 k-1830 mesons
NT3 kaons
NT4 antikaons
NT5 antikaons neutral
NT4 cosmic kaons
NT4 kaons minus
NT4 kaons neutral
NT5 antikaons neutral
NT5 kaons neutral long-lived
NT5 kaons neutral short-lived
NT4 kaons plus
NT3 pi-1300 mesons
NT3 pi-1770 mesons
NT3 pions
NT4 cosmic pions
NT4 pions minus
NT4 pions neutral
NT4 pions plus
NT3 pseudoscalar antimesons
NT4 anti-b neutral mesons
NT4 anti-d neutral mesons
NT2 scalar mesons
NT3 a0-980 mesons
NT3 chi0-3415 mesons
NT3 f0-1240 mesons
NT3 f0-1300 mesons
NT3 f0-1590 mesons
NT3 f0-1730 mesons
NT3 f0-980 mesons
NT3 k*0-1430 mesons
NT2 strange mesons
NT3 b s mesons
NT3 d s mesons
NT3 d s-2536 mesons
NT3 d*s-2110 mesons
NT3 k*-1410 mesons
NT3 k*-1680 mesons
NT3 k*-892 mesons
NT3 k*0-1430 mesons
NT3 k*2-1430 mesons
NT3 k*3-1780 mesons
NT3 k*4-2045 mesons
NT3 k-1460 mesons
NT3 k-1830 mesons
NT3 k1-1270 mesons
NT3 k1-1400 mesons
NT3 k2-1770 mesons
NT3 k2-1820 mesons
NT3 kaons
NT4 antikaons
NT5 antikaons neutral
NT4 cosmic kaons
NT4 kaons minus
NT4 kaons neutral
NT5 antikaons neutral
NT5 kaons neutral long-lived
NT5 kaons neutral short-lived
NT4 kaons plus
NT2 strangeonium
NT3 f2 prime-1525 mesons
NT3 phi-1020 mesons
NT3 phi-1680 mesons
NT3 phi3-1850 mesons
NT2 tensor mesons
NT3 a2-1320 mesons
NT3 a4-2040 mesons
NT3 a6-2450 mesons
NT3 chi b2-9915 mesons

NT3 chi2-3555 mesons
NT3 d*2-2460 mesons
NT3 f2 prime-1525 mesons
NT3 f2-1270 mesons
NT3 f2-1430 mesons
NT3 f2-1720 mesons
NT3 f2-1810 mesons
NT3 f2-2010 mesons
NT3 f2-2300 mesons
NT3 f2-2340 mesons
NT3 f4-2050 mesons
NT3 f4-2300 mesons
NT3 f6-2510 mesons
NT3 k*2-1430 mesons
NT3 k*3-1780 mesons
NT3 k*4-2045 mesons
NT3 k2-1770 mesons
NT3 k2-1820 mesons
NT3 omega3-1670 mesons
NT3 phi3-1850 mesons
NT3 pi2-1670 mesons
NT3 pi2-2100 mesons
NT3 rho3-1690 mesons
NT3 rho3-2250 mesons
NT3 rho5-2350 mesons
NT2 toponium
NT2 vector mesons
NT3 b*-5325 mesons
NT3 d*-2010 mesons
NT3 j psi-3097 mesons
NT3 k*-1410 mesons
NT3 k*-1680 mesons
NT3 k*-892 mesons
NT3 omega-1420 mesons
NT3 omega-1600 mesons
NT3 omega-782 mesons
NT3 phi-1020 mesons
NT3 phi-1680 mesons
NT3 psi-3685 mesons
NT3 psi-3770 mesons
NT3 psi-4040 mesons
NT3 psi-4160 mesons
NT3 psi-4415 mesons
NT3 rho-1450 mesons
NT3 rho-1700 mesons
NT3 rho-2150 mesons
NT3 rho-770 mesons
NT3 upsilon-10023 mesons
NT3 upsilon-10355 mesons
NT3 upsilon-10580 mesons
NT3 upsilon-10860 mesons
NT3 upsilon-11020 mesons
NT3 upsilon-9460 mesons
NT2 x-1700 mesons
NT2 x-1935 mesons
NT2 x-2220 mesons
NT2 x-3075 mesons
NT1 photons
NT2 cosmic photons
RT bose-einstein gas
RT bose-einstein statistics
RT boson-fermion symmetry
RT interacting boson model

BOTANY
BT1 biology
NT1 geobotany
RT plants

BOTSWANA
BT1 africa
BT1 developing countries

bottom baryons
Use beauty baryons

bottom-hole pressure
Use well pressure

bottom mesons
Use beauty mesons

bottom particles
Use beauty particles

bottom quark model
Use flavor model

BOTTOMING CYCLES
INIS: Apr 1984; ETDE: Feb 1975
(Until July 1996 this concept was indexed to THERMODYNAMICCYCLES.)
BT1 thermodynamic cycles

BOTTOMONIUM
INIS: Dec 1987; ETDE: Feb 1988
(A bound state of bottom and antibottom quarks.)
SF *upsilon resonances*
*BT1 mesons
BT1 quarkonium
NT1 chi b0-10235 mesons
NT1 chi b0-9860 mesons
NT1 chi b1-10255 mesons
NT1 chi b1-9890 mesons
NT1 chi b2-10270 mesons
NT1 chi b2-9915 mesons
NT1 upsilon-10023 mesons
NT1 upsilon-10355 mesons
NT1 upsilon-10580 mesons
NT1 upsilon-10860 mesons
NT1 upsilon-11020 mesons
NT1 upsilon-9460 mesons
RT b quarks
RT beauty particles

BOUND STATE
RT charmonium
RT coupling
RT efimov effect
RT energy levels
RT glueballs
RT impulse approximation
RT kaonium
RT pi-k atoms
RT pi-mu atoms
RT pionium
RT quarkonium
RT quasibound state
RT toponium

boundaries (grain)
Use grain boundaries

BOUNDARY CONDITIONS
UF *asymptotic conditions*
NT1 marshak boundary conditions
NT1 moving-boundary conditions
RT asymptotic solutions
RT boundary-value problems
RT cauchy problem
RT differential equations
RT phi4-field theory

BOUNDARY ELEMENT METHOD
INIS: Jan 1992; ETDE: Feb 1992
*BT1 finite element method
RT computer calculations
RT finite difference method
RT mathematics
RT mesh generation

BOUNDARY LAYERS
BT1 layers
NT1 plasma scrape-off layer
RT fluid flow
RT plasma sheath
RT plasma surface waves
RT plasmapause
RT rosseland approximation
RT tropopause

boundary value problems
Use boundary-value problems

BOUNDARY-VALUE PROBLEMS
(Prior to April 1982 this material was indexed to BOUNDARYCONDITIONS; from then till July 1985 the form BOUNDARY VALUE PROBLEMS was used.)
UF *boundary value problems*
NT1 dirichlet problem
RT boundary conditions
RT cauchy problem
RT differential equations

bovine
Use cattle

BOWING
Oct 2003
(Geometric changes due to temperature and/or fluence gradients.)
BT1 deformation
RT temperature dependence
RT thermoelasticity

bowline operation
Use nuclear explosions
AND underground explosions

BOX MODELS
INIS: Mar 1992; ETDE: Jul 1987
BT1 mathematical models
RT atmospheric circulation
RT climate models
RT oceanic circulation
RT simulation

boxcar event
Use nuclear explosions
AND underground explosions

bpa
Use bonneville power administration

BPH
UF *benzoylphenylhydroxylamine*
*BT1 amines
*BT1 hydroxy compounds
RT amides

BR-02 REACTOR
(C.E.N.-S.C.K. Mol, Belgium)
UF *belgian reactor 02*
UF *br-2 zero power mock-up reactor*
*BT1 beryllium moderated reactors
*BT1 enriched uranium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

BR-1 REACTOR
(C.E.N.-S.C.K. Mol, Belgium)
UF *belgian reactor 1*
*BT1 air cooled reactors
*BT1 graphite moderated reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors

br-1 reactor (russian federation)
Use sbr-1 reactor

BR-2 REACTOR
UF *belgian reactor 2*
*BT1 enriched uranium reactors

*BT1 materials testing reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

br-2 reactor (russian federation)
Use sbr-2 reactor

br-2 zero power mock-up reactor
Use br-02 reactor

BR-3 REACTOR
UF *belgian reactor 3*
*BT1 pwr type reactors

BR-3-VN REACTOR
UF *belgian reactor-3/vulcain*
UF *br-3/vulcain reactor*
UF *vulcain/belgian-3 reactor*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 mixed spectrum reactors
*BT1 tank type reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

br-3/vulcain reactor
Use br-3-vn reactor

br-5 reactor (russian federation)
Use sbr-5 reactor

BRACHYTHERAPY
Oct 2003
(Radiotherapy in which the radioactive source is close to the body area being treated, either implanted, in physical contact,or located a short distance away.)
*BT1 radiotherapy
RT internal irradiation
RT radiation source implants
RT radiopharmaceuticals

brackish water ecosystems
Use aquatic ecosystems

BRADWELL REACTOR
(Blackwater Estuary, Essex, UK)
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 thermal reactors

BRADYKININ
INIS: Apr 1984; ETDE: Jan 1975
(Until August 1993, this concept was indexed by the broader term KININS.)
*BT1 kinins

bragg angle
Use bragg reflection

BRAGG CURVE
UF *bragg peak*
UF *bragg zone*
*BT1 diagrams
RT energy losses
RT ionization
RT let

bragg diffraction
Use bragg reflection

BRAGG GRAY CHAMBERS
UF *air wall ionization chambers*
UF *cavity ionization chambers*
UF *tissue equivalent chambers*
*BT1 dosemeters
*BT1 ionization chambers

bragg law
Use bragg reflection

bragg peak
Use bragg curve

BRAGG REFLECTION
UF *bragg angle*
UF *bragg diffraction*
UF *bragg law*
UF *laue-bragg scattering*
BT1 reflection
RT diffuse scattering
RT x-ray diffraction

bragg zone
Use bragg curve

BRAHMAPUTRA RIVER
INIS: Oct 1993; ETDE: Nov 1993
*BT1 rivers
RT india

BRAIDWOOD-1 REACTOR
(Braidwood, Illinois, USA)
*BT1 pwr type reactors

BRAIDWOOD-2 REACTOR
(Braidwood, Illinois, USA)
*BT1 pwr type reactors

BRAIN
*BT1 central nervous system
*BT1 organs
NT1 cerebellum
NT1 cerebrum
NT2 cerebral cortex
NT1 hippocampus
NT1 hypothalamus
NT1 olfactory bulbs
NT1 thalamus
RT cerebral arteries
RT electroencephalography
RT encephalitis
RT endorphins
RT head
RT mental disorders
RT pineal gland
RT skull

BRAKES
BT1 machine parts
NT1 water brakes
RT regenerative braking

braking radiation
Use bremsstrahlung

BRANCHING RATIO
RT bethe-heitler theory
RT decay
RT ft value
RT mixing ratio

BRANCHIOPODS
INIS: Jul 1993; ETDE: Jun 1981
*BT1 crustaceans
NT1 artemia
NT1 daphnia

BRANNERITE
*BT1 oxide minerals
*BT1 thorium minerals
*BT1 uranium minerals
RT thorium oxides
RT titanium oxides
RT uranium oxides

brasil-argentina agencia contabil controle mater nuclear
Use abacc

brasimone pec reactor
Use pec brasimone reactor

BRASS
*BT1 copper base alloys
*BT1 zinc alloys
NT1 brass-alpha
NT1 brass-beta
RT heusler alloys
RT muntz metal
RT ounce metal

BRASS-ALPHA
*BT1 brass

BRASS-BETA
*BT1 brass

BRASSICA
UF *cabbage*
UF *cauliflower*
UF *mustard*
UF *rapeseed*
UF *sarson*
UF *turnips*
*BT1 magnoliopsida
*BT1 vegetables
NT1 kale
RT radishes

braun standard turbine island
See bwr type reactors
OR steam systems
OR turbogenerators

braunschweig experimental reactor
Use fmrb reactor

braunschweig research reactor
Use fmrb reactor

bravo event
Use surface explosions
AND thermonuclear explosions

BRAWLEY GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Jul 1982
*BT1 california
BT1 geothermal fields

BRAYTON CYCLE
(A thermodynamic cycle consisting of two constant-pressure processes interspersed with two constant-entropy cycles.)
BT1 thermodynamic cycles
RT brayton cycle power systems
RT thermodynamics

BRAYTON CYCLE POWER SYSTEMS
INIS: Aug 1975; ETDE: Jan 1975
(Until January 1999 this concept was indexed by BRAYTON CYCLE and POWER GENERATION)
*BT1 power systems
RT brayton cycle
RT gas turbines
RT solar heat engines

BRAZED JOINTS
BT1 joints
RT brazing

BRAZIL
UF+ *goiania radiological emergency*
BT1 developing countries
*BT1 south america
RT amazon river
RT osamu utsumi mine

brazil lab for synchrotron radiation
Use brazilian lnls

brazil triga reactor
Use triga-brazil reactor

BRAZILIAN CNEN
INIS: Aug 1982; ETDE: Sep 1982
(Comissao Nacional de Energia Nuclear de Brasil.)
UF *cnen brazil*
UF *comissao nacional energia nuclear de brazil*
*BT1 brazilian organizations

BRAZILIAN LNLS
INIS: Feb 1991; ETDE: Feb 1991
(Brazilian Laboratory for Synchrotron Radiation.)
UF *brazil lab for synchrotron radiation*
*BT1 brazilian organizations

brazilian lnls synchrotron
Use lnls storage ring

BRAZILIAN ORGANIZATIONS
INIS: Mar 1977; ETDE: Jun 1977
BT1 national organizations
NT1 brazilian cnen
NT1 brazilian lnls
NT1 nuclebras

BRAZING
UF *hard soldering*
*BT1 welding
RT brazed joints
RT brazing alloys
RT soldering

BRAZING ALLOYS
BT1 alloys
RT brazing
RT filler metals

BRAZOS RIVER
INIS: Apr 2000; ETDE: Jan 1975
*BT1 rivers
RT texas

BRAZZAVILLE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 congo peoples republic

BREAD
BT1 food
RT flour

BREAKDOWN
(Limited to electric discharge phenomena. See also CLEAVAGE or DECOMPOSITION.)
RT electric discharges
RT electric potential
RT electric sparks
RT electrical faults
RT flashover
RT lichtenberg figures
RT overvoltage
RT paschen law
RT spark gaps

breakers (circuit)
Use circuit breakers

BREAKEVEN
UF *zero energy balance*
BT1 energy balance
RT lawson criterion
RT plasma
RT thermonuclear reactors

breakup fusion
Use incomplete fusion reactions

BREAKUP REACTIONS
BT1 nuclear reactions

breakwaters
Use dams

breasts
Use mammary glands

BREATH
RT air
RT exhalation
RT inhalation
RT respiration
RT respirators
RT respiratory system
RT respiratory system diseases

breathing
Use respiration

BREEDER REACTORS
BT1 reactors
NT1 fbr type reactors
NT2 aipfr reactor
NT2 gcfr type reactors
NT3 gcfr reactor
NT2 lmfbr type reactors
NT3 beloyarsk-3 reactor
NT3 beloyarsk-4 reactor
NT3 bn-1600 reactor
NT3 bn-350 reactor
NT3 bn-800 reactor
NT3 bor-60 reactor
NT3 cdfr reactor
NT3 clinch river breeder reactor
NT3 dfr reactor
NT3 ebr-1 reactor
NT3 ebr-2 reactor
NT3 enrico fermi-1 reactor
NT3 joyo reactor
NT3 kalpakkam lmfbr reactor
NT3 monju reactor
NT3 pfr reactor
NT3 phenix reactor
NT3 plbr reactor
NT3 rapsodie reactor
NT3 sbr-1 reactor
NT3 sbr-2 reactor
NT3 sbr-5 reactor
NT3 snr reactor
NT3 snr-2 reactor
NT3 super phenix reactor
NT2 pec brasimone reactor
NT2 zebra reactor
NT1 lwbr type reactors
RT accelerator breeders
RT breeding blankets
RT breeding pellets
RT zpr-9 reactor

BREEDING
(Fuel breeding only. See also ANIMAL BREEDING and PLANT BREEDING.)
BT1 nuclear fuel conversion
RT accelerator breeders
RT breeding blankets
RT breeding pellets
RT breeding ratio
RT transmutation
RT tritium recovery

BREEDING BLANKETS
UF *blankets (breeding)*
BT1 reactor components
RT breeder reactors
RT breeding
RT breeding pellets
RT fertile materials
RT flibe
RT lotus facility
RT thermonuclear devices
RT tritium recovery

BREEDING PELLETS
BT1 pellets
RT breeder reactors
RT breeding
RT breeding blankets
RT pelletizing
RT thermonuclear reactors

BREEDING RATIO
BT1 conversion ratio
RT breeding

BREIT-WIGNER FORMULA
UF *single-level resonance formula*
RT cross sections
RT multilevel analysis

BREMSSTRAHLUNG
UF *braking radiation*
*BT1 electromagnetic radiation
NT1 cyclotron radiation
NT1 internal bremsstrahlung
NT1 ondulator radiation
NT1 synchrotron radiation
RT bethe-heitler theory
RT migdal theory
RT peierls method
RT penfold-leiss method
RT radiation length
RT tagged photon method

bremsstrahlung (magnetic)
Use synchrotron radiation

BRICKS
*BT1 building materials
RT adobe

BRIDGES
INIS: Sep 1991; ETDE: Jun 1975
BT1 mechanical structures
RT roads

bridges (electric)
Use electric bridges

BRIDGMAN METHOD
BT1 crystal growth methods
RT crystal growth

BRIGGS CRITERION
(Allows distinguishing between absolute and convective plasma instabilities.)
RT absolute instabilities
RT convective instabilities

brigham young university laboratory reactor
Use byu l-77 reactor

BRIGHTNESS
*BT1 optical properties
RT beam emittance
RT illuminance
RT luminosity

BRILLOUIN EFFECT
UF *brillouin scattering*
*BT1 coherent scattering

brillouin scattering
Use brillouin effect

BRILLOUIN THEOREM
INIS: Apr 2000; ETDE: Jan 1975
(Theorem states that if two determinants constructed from exact Hartree-Fock orbitals differ in one spin orbital, the matrix element connecting these two determinants will vanish.)
RT energy levels
RT matrix elements
RT wave functions

BRILLOUIN ZONES
BT1 zones
RT band theory

brine shrimp
Use artemia

BRINELL HARDNESS
RT hardness

BRINES
(Water solutions saturated or strongly impregnated with common salt.)
RT disposal wells
RT geothermal fluids
RT salinity
RT salts
RT seawater
RT solutions

BRINKMAN-KRAMERS APPROXIMATION
UF *approximation (brinkman-kramers)*
RT perturbation theory
RT scattering

BRIQUETS
INIS: Apr 2000; ETDE: Jun 1975
*BT1 solid fuels
RT coal fines
RT fossil fuels

BRIQUETTING
INIS: Mar 1993; ETDE: Oct 1975
*BT1 molding
RT agglomeration
RT caking
RT compacting
RT formed coke processes
RT pelletizing

BRITISH COAL
INIS: Apr 2000; ETDE: May 1989
*BT1 united kingdom organizations

BRITISH COLUMBIA
*BT1 canada
RT blizzard deposit
RT peace river

british experimental pile operation
Use bepo reactor

british gas corporation process
Use crg processes

british guiana
Use guyana

british nuclear fuels limited
Use bnfl

BRITTLE-DUCTILE TRANSITIONS
UF *transitions (brittle-ductile)*
RT brittleness
RT ductility
RT embrittlement

BRITTLENESS
BT1 mechanical properties
RT brittle-ductile transitions
RT crack propagation
RT ductile-brittle transitions
RT embrittlement
RT helium embrittlement
RT hydrogen embrittlement

broadening (line)
Use line broadening

BROADLANDS GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Jan 1975
BT1 geothermal fields
RT geothermal hot-water systems
RT new zealand

BROEGGERITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 uraninites

BROENSTED ACIDS
INIS: Aug 1993; ETDE: Sep 1983
(An acid as proton donor.)
*BT1 inorganic acids
RT lewis acids

BROKDORF REACTOR
INIS: Sep 1976; ETDE: Nov 1976
(Wilstermarsch, Schleswig-Holstein, Federal Republic of Germany)
UF *kernkraftwerk brokdorf*
*BT1 pwr type reactors

BROKEN-PAIR APPROXIMATION
INIS: Aug 1978; ETDE: Jan 1975
(A method, which conserves nucleon number, developed to treat pairing correlations in nuclei. It is an approximation to the seniority shell model and takes into acount the quasi-particle residual interaction.)
RT nuclear theory
RT shell models

bromamines
Use amines
AND organic bromine compounds

BROMATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 bromine compounds
BT1 oxygen compounds
RT bromic acid

BROMIC ACID
*BT1 bromine compounds
*BT1 inorganic acids
BT1 oxygen compounds
RT bromates

BROMIDES
UF+ *actinium bromides*
UF+ *americium bromides*
UF+ *astatine bromides*
UF+ *berkelium bromides*
UF+ *curium bromides*
UF+ *plutonium bromides*
UF+ *promethium bromides*
UF+ *teab*
UF+ *tetraethylammonium bromide*
*BT1 bromine compounds
*BT1 halides
NT1 aluminium bromides
NT1 antimony bromides
NT1 arsenic bromides
NT1 barium bromides
NT1 beryllium bromides
NT1 bismuth bromides
NT1 boron bromides
NT1 cadmium bromides
NT1 calcium bromides
NT1 californium bromides
NT1 cerium bromides
NT1 cesium bromides
NT1 chromium bromides
NT1 cobalt bromides
NT1 copper bromides
NT1 dysprosium bromides
NT1 einsteinium bromides
NT1 erbium bromides
NT1 europium bromides
NT1 fermium bromides
NT1 gadolinium bromides
NT1 gallium bromides
NT1 germanium bromides
NT1 gold bromides
NT1 hafnium bromides
NT1 holmium bromides
NT1 indium bromides
NT1 iodine bromides
NT1 iron bromides
NT1 krypton bromides
NT1 lanthanum bromides
NT1 lead bromides
NT1 lithium bromides
NT1 lutetium bromides
NT1 magnesium bromides
NT1 manganese bromides
NT1 mercury bromides
NT1 molybdenum bromides
NT1 neodymium bromides
NT1 neptunium bromides
NT1 nickel bromides
NT1 niobium bromides
NT1 nitrogen bromides
NT1 palladium bromides
NT1 phosphorus bromides
NT1 platinum bromides
NT1 polonium bromides
NT1 potassium bromides
NT1 praseodymium bromides
NT1 protactinium bromides
NT1 radium bromides
NT1 rhenium bromides
NT1 rhodium bromides
NT1 rubidium bromides
NT1 ruthenium bromides
NT1 samarium bromides
NT1 scandium bromides
NT1 selenium bromides
NT1 silicon bromides
NT1 silver bromides
NT1 sodium bromides
NT1 strontium bromides
NT1 tantalum bromides
NT1 technetium bromides
NT1 tellurium bromides
NT1 terbium bromides
NT1 thallium bromides
NT1 thorium bromides
NT1 thulium bromides
NT1 tin bromides
NT1 titanium bromides
NT1 tungsten bromides
NT1 uranium bromides
NT1 vanadium bromides
NT1 xenon bromides
NT1 ytterbium bromides
NT1 yttrium bromides
NT1 zinc bromides
NT1 zirconium bromides
RT bromine additions
RT hydrobromic acid
RT oxybromides

brominated alicyclic hydrocarbons
Use halogenated alicyclic hydrocarbons
AND organic bromine compounds

BROMINATED ALIPHATIC HYDROCARBONS
(Prior to October 1991, this concept was indexed by ORGANIC BROMINE COMPOUNDS.)
*BT1 halogenated aliphatic hydrocarbons
*BT1 organic bromine compounds
NT1 bromoform
NT1 methyl bromide

BROMINATED AROMATIC HYDROCARBONS
(Prior to October 1991, this concept was indexed by ORGANIC BROMINE COMPOUNDS and AROMATICS.)
*BT1 halogenated aromatic hydrocarbons
*BT1 organic bromine compounds

brominated hydrocarbons
Use organic bromine compounds

BROMINATION
*BT1 halogenation

BROMINE
UF *bromine bromides*
*BT1 halogens

BROMINE 69
*BT1 beta-plus decay radioisotopes
*BT1 bromine isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

BROMINE 70
*BT1 beta-plus decay radioisotopes
*BT1 bromine isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

BROMINE 71
*BT1 beta-plus decay radioisotopes
*BT1 bromine isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

BROMINE 71 TARGET
INIS: May 1980; ETDE: Dec 1988
BT1 targets

BROMINE 72
*BT1 beta-plus decay radioisotopes
*BT1 bromine isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

BROMINE 73
*BT1 beta-plus decay radioisotopes
*BT1 bromine isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

BROMINE 74
*BT1 beta-plus decay radioisotopes
*BT1 bromine isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

BROMINE 75
*BT1 beta-plus decay radioisotopes
*BT1 bromine isotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

BROMINE 76
*BT1 beta-plus decay radioisotopes
*BT1 bromine isotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

BROMINE 76 TARGET
INIS: Feb 1979; ETDE: Mar 1979
BT1 targets

BROMINE 77
*BT1 beta-plus decay radioisotopes
*BT1 bromine isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

BROMINE 78
*BT1 beta-plus decay radioisotopes
*BT1 bromine isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

BROMINE 79
*BT1 bromine isotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 stable isotopes
RT bromine 79 beams

BROMINE 79 BEAMS
INIS: Jul 1976; ETDE: Aug 1976
*BT1 ion beams
RT bromine 79

BROMINE 79 REACTIONS
INIS: May 1987; ETDE: Sep 1988
*BT1 heavy ion reactions

BROMINE 79 TARGET
BT1 targets

BROMINE 80
*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 bromine isotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

BROMINE 81
*BT1 bromine isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes

BROMINE 81 REACTIONS
INIS: Nov 1979; ETDE: Nov 1979
*BT1 heavy ion reactions

BROMINE 81 TARGET
BT1 targets

BROMINE 82
*BT1 beta-minus decay radioisotopes
*BT1 bromine isotopes
*BT1 days living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

BROMINE 83
*BT1 beta-minus decay radioisotopes
*BT1 bromine isotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 nanoseconds living radioisotopes
*BT1 odd-even nuclei

BROMINE 84
*BT1 beta-minus decay radioisotopes
*BT1 bromine isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

BROMINE 85
*BT1 beta-minus decay radioisotopes
*BT1 bromine isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

BROMINE 86
*BT1 beta-minus decay radioisotopes
*BT1 bromine isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

BROMINE 87
*BT1 beta-minus decay radioisotopes
*BT1 bromine isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

BROMINE 88
*BT1 beta-minus decay radioisotopes
*BT1 bromine isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

BROMINE 89
*BT1 beta-minus decay radioisotopes
*BT1 bromine isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

BROMINE 90
*BT1 beta-minus decay radioisotopes
*BT1 bromine isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

BROMINE 91
*BT1 beta-minus decay radioisotopes
*BT1 bromine isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

BROMINE 92
*BT1 beta-minus decay radioisotopes
*BT1 bromine isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

BROMINE 93
INIS: Oct 1988; ETDE: Nov 1988
*BT1 beta-minus decay radioisotopes
*BT1 bromine isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

BROMINE ADDITIONS
RT bromides
RT crystal doping
RT doped materials

bromine bromides
Use bromine

BROMINE CHLORIDES
UF *chlorine bromides*
*BT1 bromine compounds
*BT1 chlorides

BROMINE COMPLEXES
BT1 complexes

BROMINE COMPOUNDS
BT1 halogen compounds
NT1 bromates
NT1 bromic acid
NT1 bromides
NT2 aluminium bromides
NT2 antimony bromides
NT2 arsenic bromides
NT2 barium bromides
NT2 beryllium bromides
NT2 bismuth bromides
NT2 boron bromides
NT2 cadmium bromides
NT2 calcium bromides
NT2 californium bromides
NT2 cerium bromides
NT2 cesium bromides
NT2 chromium bromides
NT2 cobalt bromides
NT2 copper bromides
NT2 dysprosium bromides
NT2 einsteinium bromides
NT2 erbium bromides
NT2 europium bromides
NT2 fermium bromides
NT2 gadolinium bromides
NT2 gallium bromides
NT2 germanium bromides
NT2 gold bromides
NT2 hafnium bromides
NT2 holmium bromides
NT2 indium bromides
NT2 iodine bromides
NT2 iron bromides
NT2 krypton bromides
NT2 lanthanum bromides
NT2 lead bromides
NT2 lithium bromides
NT2 lutetium bromides
NT2 magnesium bromides
NT2 manganese bromides
NT2 mercury bromides
NT2 molybdenum bromides
NT2 neodymium bromides
NT2 neptunium bromides
NT2 nickel bromides
NT2 niobium bromides
NT2 nitrogen bromides
NT2 palladium bromides
NT2 phosphorus bromides
NT2 platinum bromides
NT2 polonium bromides
NT2 potassium bromides
NT2 praseodymium bromides
NT2 protactinium bromides
NT2 radium bromides
NT2 rhenium bromides
NT2 rhodium bromides
NT2 rubidium bromides
NT2 ruthenium bromides
NT2 samarium bromides
NT2 scandium bromides
NT2 selenium bromides
NT2 silicon bromides
NT2 silver bromides
NT2 sodium bromides
NT2 strontium bromides
NT2 tantalum bromides
NT2 technetium bromides
NT2 tellurium bromides
NT2 terbium bromides
NT2 thallium bromides
NT2 thorium bromides
NT2 thulium bromides
NT2 tin bromides
NT2 titanium bromides
NT2 tungsten bromides
NT2 uranium bromides
NT2 vanadium bromides
NT2 xenon bromides
NT2 ytterbium bromides
NT2 yttrium bromides
NT2 zinc bromides
NT2 zirconium bromides
NT1 bromine chlorides
NT1 bromine fluorides
NT1 bromine oxides
NT1 hydrobromic acid
NT1 oxybromides
NT1 perbromates
RT organic bromine compounds

BROMINE FLUORIDES
UF *fluorine bromides*
*BT1 bromine compounds
*BT1 fluorides

bromine iodides
Use iodine bromides

BROMINE IONS
*BT1 ions

BROMINE ISOTOPES
BT1 isotopes
NT1 bromine 69
NT1 bromine 70
NT1 bromine 71
NT1 bromine 72
NT1 bromine 73
NT1 bromine 74
NT1 bromine 75
NT1 bromine 76
NT1 bromine 77
NT1 bromine 78
NT1 bromine 79
NT1 bromine 80
NT1 bromine 81
NT1 bromine 82
NT1 bromine 83
NT1 bromine 84
NT1 bromine 85
NT1 bromine 86
NT1 bromine 87
NT1 bromine 88
NT1 bromine 89
NT1 bromine 90
NT1 bromine 91
NT1 bromine 92
NT1 bromine 93

BROMINE NUMBER
INIS: Apr 2000; ETDE: May 1976
(Number of centigrams of bromine which are absorbed by 1 gram of oil under certain conditions.)
RT gasoline
RT oils

BROMINE OXIDES
*BT1 bromine compounds
*BT1 oxides
RT oxybromides

bromodeoxyuridine
Use budr

BROMOFORM
*BT1 brominated aliphatic hydrocarbons
RT hydrocarbons
RT methane

BROMOSULFOPHTHALEIN
*BT1 carboxylic acid esters
BT1 indicators
*BT1 organic bromine compounds
*BT1 polyphenols
BT1 reagents
*BT1 sulfonic acids
RT phthalic acid
RT radiopharmaceuticals

BROMOURACILS
*BT1 antimetabolites
*BT1 organic bromine compounds
*BT1 uracils
NT1 budr

BRONCHI
BT1 respiratory system
RT bronchitis
RT lungs
RT respiratory tract cells

BRONCHITIS
*BT1 respiratory system diseases
RT bronchi

bronchogenic carcinoma
Use carcinomas
AND respiratory system diseases

BRONCHOPNEUMONIA
*BT1 pneumonia

bronco event
Use nuclear explosions
AND plowshare project

BRONZE
*BT1 copper base alloys
*BT1 tin alloys
RT heusler alloys

bronze (sodium tungsten)
Use sodium tungsten bronze

BROOKHAVEN 200-MEV LINAC
INIS: Sep 1979; ETDE: Dec 1979
*BT1 linear accelerators
RT brookhaven ags

BROOKHAVEN AGS
*BT1 synchrotrons
RT brookhaven 200-mev linac

BROOKHAVEN CYCLOTRON
*BT1 isochronous cyclotrons

brookhaven graphite research reactor
Use bgrr reactor

brookhaven high flux beam reactor
Use hfbr reactor

brookhaven intersecting storage accelerators
Use isabelle storage rings

brookhaven medical research reactor
Use mrr reactor

brookhaven national laboratory
Use bnl

BROOKHAVEN RHIC
INIS: May 1986; ETDE: Jan 1986
(Relativistic heavy ion collider facility located in former Isabelle Storage Ring tunnel.)
UF *relativistic heavy ion collider (bnl)*
UF *rhic (brookhaven)*
*BT1 heavy ion accelerators
BT1 storage rings
RT isabelle storage rings

brooks
Use streams

BROWN COAL
INIS: Feb 1992; ETDE: Jan 1975
SF *soft coal*
*BT1 coal
NT1 lignite

brown coal liquefaction process
Use bcl process

BROWNIAN MOVEMENT
RT collisions
RT colloids
RT motion

brownouts
Use outages

BROWNS FERRY-1 REACTOR
(Decatur, Alabama, USA)
*BT1 bwr type reactors
*BT1 mixed spectrum reactors

BROWNS FERRY-2 REACTOR
(Decatur, Alabama, USA)
*BT1 bwr type reactors
*BT1 mixed spectrum reactors

BROWNS FERRY-3 REACTOR
(Decatur, Alabama, USA)
*BT1 bwr type reactors
*BT1 mixed spectrum reactors

BRR REACTOR
(Battelle Columbus Laboratories, Columbus, Ohio, USA)
UF *battelle research reactor*
UF *bmi reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors

BRUCE-1 REACTOR
(Tiverton, Ontario, Canada)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT bruce site

BRUCE-2 REACTOR
(Tiverton, Ontario, Canada)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT bruce site

BRUCE-3 REACTOR
(Tiverton, Ontario, Canada)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT bruce site

BRUCE-4 REACTOR
(Tiverton, Ontario, Canada)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT bruce site

BRUCE-5 REACTOR
INIS: Jul 1978; ETDE: Aug 1978
(Tiverton, Ontario, Canada)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT bruce site

BRUCE-6 REACTOR
INIS: Jul 1978; ETDE: Aug 1978
(Tiverton, Ontario, Canada)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT bruce site

BRUCE-7 REACTOR
INIS: Jul 1978; ETDE: Aug 1978
(Tiverton, Ontario, Canada)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT bruce site

BRUCE-8 REACTOR
INIS: Jul 1978; ETDE: Aug 1978
(Tiverton, Ontario, Canada)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT bruce site

BRUCE SITE
INIS: Jan 1993; ETDE: May 1993
(Tiverton, Ontario, Canada)
BT1 reactor sites
RT bruce-1 reactor
RT bruce-2 reactor
RT bruce-3 reactor
RT bruce-4 reactor
RT bruce-5 reactor
RT bruce-6 reactor
RT bruce-7 reactor
RT bruce-8 reactor

BRUCELLA
*BT1 bacteria

brueckner approximation
Use goldstone diagrams

brueckner-gammel potential
Use brueckner method

brueckner-gammel-weitzner theory
Use brueckner method

brueckner-goldstone theory
Use goldstone diagrams

BRUECKNER METHOD
UF *brueckner-gammel potential*
UF *brueckner-gammel-weitzner theory*
BT1 calculation methods
RT brueckner model
RT nuclear models
RT nucleons

BRUECKNER MODEL
UF *brueckner potential*
UF *brueckner-watson theory*
*BT1 nuclear models
RT brueckner method

brueckner potential
Use brueckner model

brueckner-sawada theory
Use goldstone diagrams

brueckner-watson theory
Use brueckner model

BRUNEI
INIS: Jan 1993; ETDE: Jul 1976
(Sultanate and British protectorate, NW Borneo.)
BT1 asia

bruno leuschner-1 reactor
Use greifswald-1 reactor

bruno leuschner-2 reactor
Use greifswald-2 reactor

bruno leuschner-3 reactor
Use greifswald-3 reactor

bruno leuschner-4 reactor
Use greifswald-4 reactor

BRUNSBUETTEL REACTOR
SF *kkb reactor*
*BT1 bwr type reactors

BRUNSWICK-1 REACTOR
(Southport, North Carolina, USA)
*BT1 bwr type reactors

BRUNSWICK-2 REACTOR
(Southport, North Carolina, USA)
*BT1 bwr type reactors

brussels conv liability for maritime carriage nuc mater 1971
Use bcoclmcnm

brussels conv liability for operation of nuclear ships
Use bcolons

brussels conv-suppl to paris conv on third party liability
Use bcstpc

BRYOPHYTA
INIS: Dec 1991; ETDE: Jun 1989
BT1 plants
NT1 mosses

BRYOZOA
INIS: Apr 2000; ETDE: Feb 1985
BT1 aquatic organisms
*BT1 invertebrates

bsf reactor
Use bsr-1 reactor

bsg devices
Use linear theta pinch devices
AND magnetic mirrors

BSR-1 REACTOR
(Oak Ridge National Labs., Oak Ridge, Tennessee, USA)
UF *bsf reactor*
UF *bulk shielding reactor-1*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

BSR-2 REACTOR
(Oak Ridge National Labs., Oak Ridge, Tennessee, USA)
UF *bulk shielding reactor-2*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

btu content
Use calorific value

btu meters
Use heat meters

BUBBLE CHAMBERS
*BT1 gas track detectors
NT1 cryogenic bubble chambers
NT1 heavy liquid bubble chambers
NT1 ultrasonic bubble chambers
RT digitizers

BUBBLE GROWTH
UF *growth (bubble)*
RT boiling
RT boiling detection

BUBBLES
RT aeration
RT blisters
RT boiling detection
RT flow visualization
RT foams
RT voids

bubiag-didier process
Use coal gasification

bucharest wwr-s reactor
Use wwr-s-bucharest reactor

BUCKET WHEEL EXCAVATORS
INIS: Apr 2000; ETDE: Apr 1978
*BT1 earthmoving equipment
*BT1 mining equipment

BUCKINGHAM POTENTIAL
BT1 potentials
RT interatomic forces

BUCKLING
(For neutron density distribution in reactors; for structural buckling see DEFORMATION or FAILURES.)
NT1 geometric buckling
NT1 material buckling
RT criticality

buckling (structural)
Use deformation

BUCKWHEAT
*BT1 liliopsida
RT cereals

BUDAPEST TRAINING REACTOR
INIS: Sep 1980; ETDE: Jan 1975
(Technical Univ., Budapest, Hungary)
*BT1 thermal reactors
*BT1 training reactors
*BT1 wwr type reactors

budapest wwr-s reactor
Use wwr-s-budapest reactor

BUDGETS
RT allocations
RT cost
RT economics
RT expenditures
RT financial data
RT financing

budker accelerators
Use plasma betatrons

BUDR
UF *bromodeoxyuridine*
*BT1 bromouracils
*BT1 nucleosides
RT deoxyuridine

BUDS
RT plants

BUFFALO
*BT1 ruminants
RT domestic animals

BUFFALO GOURD
INIS: Dec 1991; ETDE: Nov 1980
UF *cucurbita foetidissima*
*BT1 magnoliopsida
RT arid lands
RT biomass
RT essential oils
RT seeds

buffalo project
Use nuclear explosions

buffalo pulstar reactor
Use pulstar-buffalo reactor

BUFFERS
RT acid neutralizing capacity
RT gases
RT ph value
RT solutions

BUFOTENINE
*BT1 hallucinogens
*BT1 serotonin

BUGEY-1 REACTOR
(St-Vulbas, Ain, France)
UF *edf-5 reactor*
*BT1 carbon dioxide cooled reactors
*BT1 gcr type reactors
*BT1 power reactors
*BT1 thermal reactors

BUGEY-2 REACTOR
(St-Vulbas, Ain, France)
*BT1 pwr type reactors

BUGEY-3 REACTOR
INIS: Sep 1983; ETDE: Jan 1975
(St-Vulbas, Ain, France.)
*BT1 pwr type reactors

BUGEY-4 REACTOR
INIS: Jul 1980; ETDE: Aug 1980
(St-Vulbas, Ain, France)
*BT1 pwr type reactors

BUGEY-5 REACTOR
INIS: May 1988; ETDE: Jun 1988
(St-Vulbas, Ain, France.)
*BT1 pwr type reactors

BUILDERS
INIS: Apr 1993; ETDE: Jun 1981
UF *building contractors*
BT1 personnel
RT architects
RT construction industry
RT craftsmen

building (constructing)
Use construction

building (manufacturing)
Use fabrication

BUILDING CODES
INIS: Jun 1992; ETDE: Apr 1978
*BT1 regulations
RT construction

building contractors
Use builders

building foundations
Use foundations

BUILDING MATERIALS
UF *materials (building)*
UF *structural materials*
BT1 materials
NT1 adobe
NT1 bricks
NT1 cements
NT2 gypsum cements
NT2 portland cement
NT1 concrete blocks
NT1 concretes
NT2 prestressed concrete
NT2 reinforced concrete
RT buildings
RT composite materials
RT glazing materials
RT mortars
RT pavements
RT reinforced materials
RT sand
RT shielding materials
RT structural beams
RT u values

BUILDINGS
UF *structures (buildings)*
UF+ *laundries*
NT1 animal shelters
NT1 commercial buildings
NT2 hotels
NT2 shopping centers
NT1 containment buildings
NT1 double envelope buildings
NT1 earth-covered buildings
NT1 government buildings
NT1 greenhouses
NT2 attached greenhouses
NT1 hospitals
NT1 laboratory buildings
NT1 office buildings
NT1 prefabricated buildings
NT1 public buildings
NT1 residential buildings
NT2 apartment buildings
NT2 houses
NT2 mobile homes
NT1 school buildings
RT air curtains
RT air infiltration
RT airtightness
RT architects
RT architecture
RT atria
RT attics
RT basements
RT building materials
RT ceilings
RT construction

RT construction industry
RT curtains
RT domed structures
RT doors
RT drum walls
RT energy management systems
RT floors
RT foundations
RT laboratories
RT libraries
RT load collector ratio
RT mechanical structures
RT medical establishments
RT occupants
RT retrofitting
RT roofs
RT shelters
RT shutters
RT skylights
RT soil-structure interactions
RT solar architecture
RT stacks
RT sun shades
RT trombe walls
RT walls
RT weatherization
RT windows

buildings (containment)
Use containment buildings

BUILDUP
UF *accumulation*
UF *radiation buildup*
RT depth dose distributions
RT ionization
RT ionizing radiations
RT radiation doses
RT radiations
RT radioecological concentration
RT scattering
RT shielding
RT spatial dose distributions

BULBS
RT allium sativum
RT garlic
RT onions
RT plants

BULGARIA
BT1 developing countries
*BT1 eastern europe
RT black sea
RT centrally planned economies
RT danube river

BULGARIAN ORGANIZATIONS
BT1 national organizations

bulgarian research reactor irt-2000
Use irt-sofia reactor

BULK DENSITY
INIS: May 1992; ETDE: May 1978
*BT1 density

BULK SEMICONDUCTOR DETECTORS
*BT1 semiconductor detectors
RT crystal counters

bulk shielding reactor-1
Use bsr-1 reactor

bulk shielding reactor-2
Use bsr-2 reactor

BUMP-IN-TAIL INSTABILITY
*BT1 plasma microinstabilities
RT resonance

BUMPY TORI
INIS: Feb 1984; ETDE: Mar 1984
*BT1 magnetic mirrors
NT1 elmo bumpy torus
RT tori

BUNA
*BT1 rubbers
RT butadiene

bunching (beam)
Use beam bunching

BUNDESAMT FUER STRAHLENSCHUTZ
INIS: May 1991; ETDE: May 1991
(Federal Office for Radiation Protection, Federal Republicof Germany.)
UF *bfs*
UF *saas*
UF *staat amt atomsicherheit und strahlenschutz*
UF *staatliches amt fuer atomsicherheit und strahlenschutz*
*BT1 german fr organizations

BUNDLE DIVERTORS
INIS: Jul 1981; ETDE: Sep 1979
(Divertors that extract a bundle of magnetic field lines.)
BT1 divertors
RT toroidal field divertors

bundles (fuel elements)
Use fuel element clusters

bunker oils
Use residual fuels

bunkers
Use hoppers

BUOYS
INIS: Apr 2000; ETDE: Aug 1976
RT meteorology
RT navigational instruments
RT oceanography
RT offshore operations
RT water pollution

bureau of mines (us)
Use us bureau of mines

bureau of reclamation
Use us bureau of reclamation

BURGERS VECTOR
RT dislocations

BURKINA FASO
INIS: Feb 1994; ETDE: Feb 1994
BT1 africa
BT1 developing countries
NT1 upper volta

burma
Use myanmar

BURNABLE POISONS
BT1 neutron absorbers
*BT1 nuclear poisons
RT burnup
RT control elements
RT fluid poison control
RT poisoning
RT reactor control systems
RT reactor kinetics

burner fuel oil
Use heating oils

BURNERS
INIS: Dec 1985; ETDE: Jan 1975
NT1 gas burners
NT1 oil burners
RT blowoff
RT combustion
RT combustors
RT flashback
RT furnaces
RT incinerators
RT pulse combustion
RT pulse combustors
RT stokers

BURNOUT
RT dryout
RT fuel elements
RT heat flux
RT heat transfer
RT hot spots
RT reactor accidents

BURNOUT DEVICES
*BT1 magnetic mirrors

BURNS
*BT1 injuries
NT1 flash burns
NT1 radiation burns
RT fires
RT safety showers
RT skin diseases

BURNUP
UF *depletion (nuclear fuels)*
NT1 burnup extension
RT burnable poisons
RT fuel cooling time
RT fuel cycle
RT fuel scanning
RT nuclear fuels
RT spent fuel elements

BURNUP EXTENSION
Oct 2003
BT1 burnup

BURROS
UF *donkeys*
*BT1 mammals

burroughs computers
Use computers

bursa of fabricius
Use birds
AND lymphatic system

burst can detection
Use failed element detection

burst can monitors
Use failed element monitors

burst reactors
Use pulsed reactors

burst slug detection
Use failed element detection

burst slug monitors
Use failed element monitors

BURUNDI
INIS: Jun 1992; ETDE: Jun 1983
BT1 africa
BT1 developing countries

BUSES
INIS: Sep 1992; ETDE: Jan 1975
BT1 vehicles
RT occupants

RT road tests
RT transportation systems

BUSHINGS
RT bearings

BUSINESS
INIS: Feb 1992; ETDE: Jun 1980
(Buying and selling of goods and services; also, the activity of an individual, partnership, or organization involving production, commerce, and/or service.)
NT1 marketing
NT1 procurement
NT1 small businesses
RT antitrust laws
RT economy
RT industry
RT market
RT sectoral analysis
RT trade

buspr reactor
Use pulstar-buffalo reactor

busulfan
Use myleran

BUTADIENE
*BT1 dienes
RT buna
RT neoprene
RT organic polymers

BUTANE
*BT1 alkanes

BUTANEDIOLS
INIS: Apr 2000; ETDE: Jul 1979
*BT1 glycols

butanoic acid
Use butyric acid

BUTANOLS
UF *butyl alcohols*
UF *butyric alcohols*
*BT1 alcohols

BUTENES
UF *butylenes*
*BT1 alkenes

butler-born approximation
Use butler theory

BUTLER THEORY
UF *butler-born approximation*
RT stripping

BUTOXY RADICALS
*BT1 alkoxy radicals

butt welds
Use welded joints

BUTTER
*BT1 milk products

butter fat
Use fats
AND triglycerides

buttercups
Use ranunculaceae

butyl alcohols
Use butanols

butyl-alpha-methylbenzylphenol
Use phenols

BUTYL ETHER
UF *dibutyl ether*
*BT1 ethers
RT organic solvents

BUTYL PHOSPHATES
*BT1 phosphoric acid esters
NT1 dbp
NT1 mbp
NT1 tbp

BUTYL RADICALS
*BT1 alkyl radicals

butylamine
Use amines

butylenes
Use butenes

BUTYRIC ACID
UF *butanoic acid*
*BT1 monocarboxylic acids

butyric alcohols
Use butanols

butyrolactam
Use pyrrolidones

butyryl radicals
Use acyl radicals

buyback
Use sellback

buyers
Use marketers

BW STANDARD REACTOR
INIS: Oct 1975; ETDE: Jan 1975
(Prior to 1975, PWR/241 TYPE REACTORS was used.)
UF *babcock and wilcox standard reactor*
UF *pwr/241 type reactors*
*BT1 pwr type reactors

bwr superheater puerto rico reactor
Use bonus reactor

BWR TYPE REACTORS
UF *boiling water cooled and moderated reactor*
SF *braun standard turbine island*
SF *c f braun standard turbine island*
*BT1 enriched uranium reactors
*BT1 power reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors
NT1 allens creek-1 reactor
NT1 allens creek-2 reactor
NT1 bailly-1 reactor
NT1 barsebaeck-1 reactor
NT1 barsebaeck-2 reactor
NT1 barton-1 reactor
NT1 barton-2 reactor
NT1 barton-3 reactor
NT1 barton-4 reactor
NT1 bell reactor
NT1 big rock point reactor
NT1 black fox-1 reactor
NT1 black fox-2 reactor
NT1 bolsa chica-1 reactor
NT1 bolsa chica-2 reactor
NT1 bonus reactor
NT1 browns ferry-1 reactor
NT1 browns ferry-2 reactor
NT1 browns ferry-3 reactor
NT1 brunsbuettel reactor
NT1 brunswick-1 reactor
NT1 brunswick-2 reactor
NT1 chinshan-1 reactor
NT1 chinshan-2 reactor
NT1 clinton-1 reactor
NT1 clinton-2 reactor
NT1 cofrentes reactor
NT1 cooper reactor
NT1 dodewaard reactor
NT1 douglas point-1 reactor
NT1 douglas point-2 reactor
NT1 dresden-1 reactor
NT1 dresden-2 reactor
NT1 dresden-3 reactor
NT1 duane arnold-1 reactor
NT1 ebwr reactor
NT1 enel-4 reactor
NT1 enrico fermi-2 reactor
NT1 err reactor
NT1 fitzpatrick reactor
NT1 forsmark-1 reactor
NT1 forsmark-2 reactor
NT1 forsmark-3 reactor
NT1 fukushima-1 reactor
NT1 fukushima-2 reactor
NT1 fukushima-3 reactor
NT1 fukushima-4 reactor
NT1 fukushima-5 reactor
NT1 fukushima-6 reactor
NT1 fukushima-ii-1 reactor
NT1 fukushima-ii-2 reactor
NT1 fukushima-ii-3 reactor
NT1 fukushima-ii-4 reactor
NT1 garigliano reactor
NT1 garona reactor
NT1 ge standard reactor
NT1 graben-1 reactor
NT1 graben-2 reactor
NT1 grand gulf-1 reactor
NT1 grand gulf-2 reactor
NT1 gundremmingen-2 reactor
NT1 gundremmingen-3 reactor
NT1 hamaoka-1 reactor
NT1 hamaoka-2 reactor
NT1 hamaoka-3 reactor
NT1 hamaoka-4 reactor
NT1 hamaoka-5 reactor
NT1 hartsville-1 reactor
NT1 hartsville-2 reactor
NT1 hartsville-3 reactor
NT1 hartsville-4 reactor
NT1 hatch-1 reactor
NT1 hatch-2 reactor
NT1 hdr reactor
NT1 hope creek-1 reactor
NT2 newbold island-1 reactor
NT1 hope creek-2 reactor
NT2 newbold island-2 reactor
NT1 humboldt bay reactor
NT1 isar reactor
NT1 jpdr reactor
NT1 jpdr-2 reactor
NT1 kaiseraugst reactor
NT1 kashiwazaki-kariwa-1 reactor
NT1 kashiwazaki-kariwa-2 reactor
NT1 kashiwazaki-kariwa-3 reactor
NT1 kashiwazaki-kariwa-4 reactor
NT1 kashiwazaki-kariwa-5 reactor
NT1 kashiwazaki-kariwa-6 reactor
NT1 kashiwazaki-kariwa-7 reactor
NT1 kruemmel reactor
NT1 kuosheng-1 reactor
NT1 kuosheng-2 reactor
NT1 la salle county-1 reactor
NT1 la salle county-2 reactor
NT1 lacbwr reactor
NT1 laguna verde-1 reactor
NT1 laguna verde-2 reactor
NT1 leibstadt reactor
NT1 limerick-1 reactor

NT1 limerick-2 reactor
NT1 lingen reactor
NT1 mendocino-1 reactor
NT1 mendocino-2 reactor
NT1 millstone-1 reactor
NT1 montague-1 reactor
NT1 montague-2 reactor
NT1 montalto di castro-1 reactor
NT1 montalto di castro-2 reactor
NT1 monticello reactor
NT1 muehleberg reactor
NT1 nine mile point-1 reactor
NT1 nine mile point-2 reactor
NT1 okg-1 reactor
NT1 okg-2 reactor
NT1 olkiluoto-1 reactor
NT1 olkiluoto-2 reactor
NT1 onagawa-1 reactor
NT1 onagawa-2 reactor
NT1 onagawa-3 reactor
NT1 oyster creek-1 reactor
NT1 pathfinder reactor
NT1 peach bottom-2 reactor
NT1 peach bottom-3 reactor
NT1 perry-1 reactor
NT1 perry-2 reactor
NT1 philippsburg-1 reactor
NT1 phipps bend-1 reactor
NT1 phipps bend-2 reactor
NT1 pilgrim-1 reactor
NT1 quad cities-1 reactor
NT1 quad cities-2 reactor
NT1 ringhals-1 reactor
NT1 river bend-1 reactor
NT1 river bend-2 reactor
NT1 rwe-bayernwerk reactor
NT1 shika-1 reactor
NT1 shimane-1 reactor
NT1 shimane-2 reactor
NT1 shoreham reactor
NT1 skagit-1 reactor
NT1 skagit-2 reactor
NT1 sl-1 reactor
NT1 susquehanna-1 reactor
NT1 susquehanna-2 reactor
NT1 tarapur-1 reactor
NT1 tarapur-2 reactor
NT1 tokai-2 reactor
NT1 tsuruga reactor
NT1 tullnerfeld reactor
NT1 vak reactor
NT1 vbwr reactor
NT1 vermont yankee reactor
NT1 verplanck-1 reactor
NT1 verplanck-2 reactor
NT1 vk-50 reactor
NT1 wnp-2 reactor
NT2 hanford-2 reactor
NT1 wuergassen reactor
NT1 zimmer-1 reactor
NT1 zimmer-2 reactor

bwr/6 type reactors
Use ge standard reactor

BY-PRODUCTS
INIS: Dec 1985; ETDE: Jan 1975
RT chars
RT distillers dried grains
RT industry
RT pyrolysis products
RT wastes

byelorussian ssr
Use belarus

BYPASSES
UF *shunts*
RT blood vessels
RT coolant loops
RT reactor cooling systems

BYRON-1 REACTOR
(Byron, Illinois, USA)
*BT1 pwr type reactors

BYRON-2 REACTOR
(Byron, Illinois, USA)
*BT1 pwr type reactors

BYU L-77 REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *brigham young university laboratory reactor*
*BT1 aqueous homogeneous reactors
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

C

c-1430 resonances
Use mesons

c-2260 resonances
Use lambda c plus baryons

C CODES
BT1 computer codes

c f braun standard turbine island
See bwr type reactors
OR steam systems
OR turbogenerators

C INVARIANCE
UF *charge conjugation invariance*
BT1 invariance principles
RT electric charges

C QUARKS
INIS: Sep 1995; ETDE: Oct 1995
*BT1 charm particles
*BT1 quarks
RT charmonium

c-reactive protein
Use globulins
AND immunity

C REACTOR
INIS: Nov 1985; ETDE: Nov 1983
UF *savannah river plant c reactor*
*BT1 heavy water moderated reactors
*BT1 special production reactors

C REGION
INIS: Oct 1982; ETDE: Apr 1976
*BT1 ionosphere

C4 SPECIES
INIS: Apr 1992; ETDE: Jun 1986
(Plants having a preliminary step in their carbon fixation pathway whereby carbon dioxide binds to phosphoenolpyruvate.)
BT1 plants
RT calvin cycle species
RT carbon dioxide fixation
RT chloroplasts
RT leaves
RT photosynthesis

cabbage
Use brassica

CABIBBO ANGLE
(One of the two angles whose sines and cosines are the coefficients of strangeness-conserving and strangeness-changing vectors and axial parts of the hadronic current.)
RT current algebra
RT kobayashi-maskawa matrix
RT weak interactions

CABLES
INIS: Jul 1981; ETDE: Aug 1976
(For both electric and structural cables.)
UF *tendons (structural)*
NT1 electric cables
NT2 coaxial cables
NT2 cryogenic cables
NT2 gas-insulated cables
NT2 oil-filled cables
NT2 superconducting cables
RT chains
RT ropes

cables (electric)
Use electric cables

CABRI REACTOR
(Nuclear Protection and Safety Inst., CEA St. Paul Lez Durance, France)
UF *cadarache swimming pool reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

cabriolet event
Use cratering explosions
AND nuclear explosions

CACAO TREES
UF *theobroma*
*BT1 magnoliopsida
*BT1 trees
RT cocoa products

cacodylic acid
Use arsenic compounds
AND organic acids

cactaceae
Use cacti

CACTI
INIS: Sep 1979; ETDE: Jan 1975
UF *cactaceae*
*BT1 magnoliopsida

cadarache (cea)
Use cea cadarache

cadarache fuel element testing reactor
Use pegase reactor

cadarache maquette surgeneratic reactor
Use masurca reactor

cadarache rapsodie reactor
Use rapsodie reactor

cadarache reactor marius
Use marius reactor

cadarache swimming pool reactor
Use cabri reactor

CADAVERINE
UF *1,5-diaminopentane*
UF *pentamethylenediamine*
*BT1 amines

CADMIUM
*BT1 metals

CADMIUM 100
*BT1 beta-plus decay radioisotopes
*BT1 cadmium isotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes

CADMIUM 101
*BT1 beta-plus decay radioisotopes
*BT1 cadmium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

CADMIUM 102
*BT1 beta-plus decay radioisotopes
*BT1 cadmium isotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

CADMIUM 103
*BT1 beta-plus decay radioisotopes
*BT1 cadmium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

CADMIUM 104
*BT1 beta-plus decay radioisotopes
*BT1 cadmium isotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

CADMIUM 105
*BT1 beta-plus decay radioisotopes
*BT1 cadmium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

CADMIUM 106
*BT1 cadmium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes

CADMIUM 106 TARGET
BT1 targets

CADMIUM 107
*BT1 beta-plus decay radioisotopes
*BT1 cadmium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei

CADMIUM 108
*BT1 cadmium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes

CADMIUM 108 TARGET
BT1 targets

CADMIUM 109
*BT1 cadmium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 years living radioisotopes

CADMIUM 109 TARGET
INIS: Feb 1979; ETDE: Mar 1979
BT1 targets

CADMIUM 110
*BT1 cadmium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes

CADMIUM 110 TARGET
BT1 targets

CADMIUM 111
*BT1 cadmium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 stable isotopes

CADMIUM 111 TARGET
BT1 targets

CADMIUM 112
*BT1 cadmium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes

CADMIUM 112 TARGET
BT1 targets

CADMIUM 113
*BT1 beta-minus decay radioisotopes
*BT1 cadmium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 stable isotopes
*BT1 years living radioisotopes

CADMIUM 113 TARGET
BT1 targets

CADMIUM 114
*BT1 cadmium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes

CADMIUM 114 TARGET
BT1 targets

CADMIUM 115
*BT1 beta-minus decay radioisotopes
*BT1 cadmium isotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei

CADMIUM 116
*BT1 cadmium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes

CADMIUM 116 TARGET
BT1 targets

CADMIUM 117
*BT1 beta-minus decay radioisotopes
*BT1 cadmium isotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei

CADMIUM 118
*BT1 beta-minus decay radioisotopes
*BT1 cadmium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

CADMIUM 119
*BT1 beta-minus decay radioisotopes
*BT1 cadmium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

CADMIUM 120
*BT1 beta-minus decay radioisotopes
*BT1 cadmium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

CADMIUM 121
*BT1 beta-minus decay radioisotopes
*BT1 cadmium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

CADMIUM 122
*BT1 beta-minus decay radioisotopes
*BT1 cadmium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

CADMIUM 123
*BT1 beta-minus decay radioisotopes
*BT1 cadmium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

CADMIUM 124
*BT1 beta-minus decay radioisotopes
*BT1 cadmium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

CADMIUM 125
*BT1 beta-minus decay radioisotopes
*BT1 cadmium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

CADMIUM 126
*BT1 beta-minus decay radioisotopes
*BT1 cadmium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

CADMIUM 127
*BT1 beta-minus decay radioisotopes
*BT1 cadmium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

CADMIUM 128
*BT1 beta-minus decay radioisotopes
*BT1 cadmium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

CADMIUM 130
INIS: Feb 1987; ETDE: May 1987
*BT1 beta-minus decay radioisotopes
*BT1 cadmium isotopes

*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

CADMIUM 96
INIS: Jun 1984; ETDE: Oct 1983
*BT1 cadmium isotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

CADMIUM 97
INIS: Feb 1980; ETDE: Mar 1980
*BT1 beta-plus decay radioisotopes
*BT1 cadmium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

CADMIUM 98
INIS: Feb 1977; ETDE: Apr 1977
*BT1 beta-plus decay radioisotopes
*BT1 cadmium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

CADMIUM 99
INIS: Feb 1980; ETDE: Mar 1980
*BT1 beta-plus decay radioisotopes
*BT1 cadmium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

CADMIUM ADDITIONS
(Alloys containing not more than 1% Cd are listed here.)
*BT1 cadmium alloys
NT1 zamak

CADMIUM-AIR BATTERIES
INIS: Apr 2000; ETDE: Mar 1976
*BT1 metal-gas batteries

CADMIUM ALLOYS
(Alloys containing more than 1% Cd.)
BT1 alloys
NT1 alloy-bi50pb25cd12sn12
NT2 wood metal
NT1 cadmium additions
NT2 zamak
NT1 cadmium base alloys
NT1 cerrobend alloys

CADMIUM ARSENIDE SOLAR CELLS
INIS: Apr 2000; ETDE: Jul 1981
*BT1 solar cells

CADMIUM ARSENIDES
INIS: Apr 1978; ETDE: Nov 1975
*BT1 arsenides
BT1 cadmium compounds

CADMIUM BASE ALLOYS
*BT1 cadmium alloys

cadmium borides
Use borides
AND cadmium compounds

CADMIUM BROMIDES
*BT1 bromides
*BT1 cadmium halides

CADMIUM CARBIDES
INIS: Apr 2000; ETDE: Sep 1976
BT1 cadmium compounds
*BT1 carbides

CADMIUM CARBONATES
BT1 cadmium compounds
*BT1 carbonates

CADMIUM CHLORIDES
*BT1 cadmium halides
*BT1 chlorides

CADMIUM COMPLEXES
BT1 complexes

CADMIUM COMPOUNDS
UF+ *cadmium borides*
NT1 cadmium arsenides
NT1 cadmium carbides
NT1 cadmium carbonates
NT1 cadmium halides
NT2 cadmium bromides
NT2 cadmium chlorides
NT2 cadmium fluorides
NT2 cadmium iodides
NT1 cadmium hydroxides
NT1 cadmium nitrates
NT1 cadmium oxides
NT1 cadmium perchlorates
NT1 cadmium phosphates
NT1 cadmium phosphides
NT1 cadmium selenides
NT1 cadmium silicates
NT1 cadmium stannates
NT1 cadmium sulfates
NT1 cadmium sulfides
NT1 cadmium tellurides
NT1 cadmium titanates
NT1 cadmium tungstates

CADMIUM FLUORIDES
*BT1 cadmium halides
*BT1 fluorides

CADMIUM HALIDES
INIS: Apr 1984; ETDE: Feb 1975
BT1 cadmium compounds
*BT1 halides
NT1 cadmium bromides
NT1 cadmium chlorides
NT1 cadmium fluorides
NT1 cadmium iodides

CADMIUM HYDROXIDES
BT1 cadmium compounds
*BT1 hydroxides

CADMIUM IODIDES
*BT1 cadmium halides
*BT1 iodides

CADMIUM IONS
*BT1 ions

CADMIUM ISOTOPES
BT1 isotopes
NT1 cadmium 100
NT1 cadmium 101
NT1 cadmium 102
NT1 cadmium 103
NT1 cadmium 104
NT1 cadmium 105
NT1 cadmium 106
NT1 cadmium 107
NT1 cadmium 108
NT1 cadmium 109
NT1 cadmium 110
NT1 cadmium 111
NT1 cadmium 112
NT1 cadmium 113
NT1 cadmium 114
NT1 cadmium 115
NT1 cadmium 116
NT1 cadmium 117
NT1 cadmium 118
NT1 cadmium 119
NT1 cadmium 120
NT1 cadmium 121
NT1 cadmium 122
NT1 cadmium 123
NT1 cadmium 124
NT1 cadmium 125
NT1 cadmium 126
NT1 cadmium 127
NT1 cadmium 128
NT1 cadmium 130
NT1 cadmium 96
NT1 cadmium 97
NT1 cadmium 98
NT1 cadmium 99

CADMIUM NITRATES
BT1 cadmium compounds
*BT1 nitrates

CADMIUM OXIDES
BT1 cadmium compounds
*BT1 oxides

CADMIUM PERCHLORATES
BT1 cadmium compounds
*BT1 perchlorates

CADMIUM PHOSPHATES
BT1 cadmium compounds
*BT1 phosphates

CADMIUM PHOSPHIDES
INIS: Jan 1977; ETDE: Sep 1975
BT1 cadmium compounds
*BT1 phosphides

CADMIUM SELENIDE SOLAR CELLS
INIS: May 1992; ETDE: Jan 1975
*BT1 solar cells

CADMIUM SELENIDES
BT1 cadmium compounds
*BT1 selenides

CADMIUM SILICATES
BT1 cadmium compounds
*BT1 silicates

CADMIUM STANNATES
INIS: Apr 2000; ETDE: Feb 1976
BT1 cadmium compounds
*BT1 stannates

CADMIUM SULFATES
BT1 cadmium compounds
*BT1 sulfates

CADMIUM SULFIDE SOLAR CELLS
INIS: May 1992; ETDE: Jan 1975
*BT1 solar cells

CADMIUM SULFIDES
BT1 cadmium compounds
*BT1 inorganic phosphors
*BT1 sulfides

cadmium telluride detectors
Use cdte semiconductor detectors

CADMIUM TELLURIDE SOLAR CELLS
INIS: May 1992; ETDE: Jan 1975
*BT1 solar cells

CADMIUM TELLURIDES
BT1 cadmium compounds

*BT1 tellurides

CADMIUM TITANATES
INIS: Apr 2000; ETDE: Nov 1978
BT1 cadmium compounds
*BT1 titanates

CADMIUM TUNGSTATES
BT1 cadmium compounds
*BT1 inorganic phosphors
*BT1 tungstates

caes
Use compressed air energy storage

caes plant
Use compressed air storage power plants

caesium
Use cesium

CAFB PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process consists of shallow fluidized bed of lime particles into which high-sulfur heavy fuel oil is injected.)
UF *chemically active fluidized bed process*
*BT1 desulfurization
RT fluidized beds

cafeterias
Use restaurants

CAFFEINE
UF *1,3,7-trimethylxanthine*
*BT1 analeptics
*BT1 xanthines

cairo wwr-s reactor
Use wwr-s-cairo reactor

CAKING
INIS: Apr 2000; ETDE: Apr 1975
RT agglomeration
RT briquetting
RT caking power
RT compacting

CAKING POWER
INIS: Apr 2000; ETDE: Apr 1975
RT caking

calabash event
Use nuclear explosions
AND underground explosions

CALANDRIAS
BT1 containers
RT pressure tubes

CALCINATION
*BT1 pyrolysis
RT calcined wastes
RT pyrometallurgy
RT radioactive waste processing
RT waste processing

CALCINED WASTES
INIS: Mar 1981; ETDE: Nov 1980
(Waste forms resulting from the calcination of aqueous nuclear fuel reprocessing wastes and composed of granular solids of metallic oxides.)
*BT1 radioactive wastes
RT calcination
RT radioactive waste processing
RT solid wastes

CALCINOSIS
INIS: Apr 1984; ETDE: Mar 1980
(A condition marked by the deposition of calcium salts in various tissues of the body.)
BT1 pathological changes

CALCITE
UF *chalk*
*BT1 carbonate minerals
RT calcium carbonates
RT dolomite
RT limestone

CALCITONIN
*BT1 peptide hormones
*BT1 polypeptides
RT calcium
RT parathyroid glands
RT thymus
RT thyroid

CALCIUM
*BT1 alkaline earth metals
RT blood coagulation factors
RT bone tissues
RT calcitonin
RT hyperparathyroidism
RT parathormone
RT teeth
RT thyrocalcitonin

CALCIUM 35
*BT1 calcium isotopes
*BT1 even-odd nuclei
*BT1 light nuclei

CALCIUM 36
*BT1 beta-plus decay radioisotopes
*BT1 calcium isotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes

CALCIUM 37
*BT1 beta-plus decay radioisotopes
*BT1 calcium isotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes

CALCIUM 38
*BT1 beta-plus decay radioisotopes
*BT1 calcium isotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes

CALCIUM 39
*BT1 beta-plus decay radioisotopes
*BT1 calcium isotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes

CALCIUM 39 TARGET
INIS: Sep 1992; ETDE: Nov 1983
BT1 targets

CALCIUM 40
*BT1 calcium isotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 stable isotopes

CALCIUM 40 BEAMS
INIS: Oct 1976; ETDE: Nov 1976
*BT1 ion beams

CALCIUM 40 REACTIONS
*BT1 heavy ion reactions

CALCIUM 40 TARGET
BT1 targets

CALCIUM 41
*BT1 calcium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 years living radioisotopes

CALCIUM 41 TARGET
BT1 targets

CALCIUM 42
*BT1 calcium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes

CALCIUM 42 REACTIONS
INIS: Nov 1984; ETDE: Nov 1984
*BT1 heavy ion reactions

CALCIUM 42 TARGET
BT1 targets

CALCIUM 43
*BT1 calcium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes

CALCIUM 43 TARGET
BT1 targets

CALCIUM 44
*BT1 calcium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes

CALCIUM 44 REACTIONS
INIS: Sep 1977; ETDE: Nov 1977
*BT1 heavy ion reactions

CALCIUM 44 TARGET
BT1 targets

CALCIUM 45
*BT1 beta-minus decay radioisotopes
*BT1 calcium isotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei

CALCIUM 46
*BT1 calcium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes

CALCIUM 46 TARGET
BT1 targets

CALCIUM 47
*BT1 beta-minus decay radioisotopes
*BT1 calcium isotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei

CALCIUM 48
*BT1 calcium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes

CALCIUM 48 BEAMS
INIS: Apr 1977; ETDE: Jun 1977
*BT1 ion beams

CALCIUM 48 REACTIONS
INIS: Nov 1976; ETDE: Dec 1976
*BT1 heavy ion reactions

CALCIUM 48 TARGET
BT1 targets

CALCIUM 49
*BT1 beta-minus decay radioisotopes
*BT1 calcium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

CALCIUM 49 TARGET
INIS: Jun 1984; ETDE: Jul 1984
BT1 targets

CALCIUM 50
*BT1 beta-minus decay radioisotopes
*BT1 calcium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

CALCIUM 51
INIS: Jun 1984; ETDE: Jan 1981
*BT1 beta-minus decay radioisotopes
*BT1 calcium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

CALCIUM 52
INIS: Oct 1984; ETDE: May 1976
*BT1 beta-minus decay radioisotopes
*BT1 calcium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

CALCIUM 53
INIS: Jun 1984; ETDE: Feb 1984
*BT1 beta-minus decay radioisotopes
*BT1 calcium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

CALCIUM ADDITIONS
(Alloys containing not more than 1% Ca are listed here.)
*BT1 calcium alloys

CALCIUM ALLOYS
(Alloys containing more than 1% Ca.)
BT1 alloys
NT1 calcium additions
NT1 calcium base alloys

CALCIUM BASE ALLOYS
*BT1 calcium alloys

CALCIUM BORIDES
*BT1 borides
*BT1 calcium compounds

CALCIUM BROMIDES
*BT1 bromides
*BT1 calcium halides

CALCIUM CARBIDES
*BT1 calcium compounds
*BT1 carbides

CALCIUM CARBONATES
*BT1 calcium compounds
*BT1 carbonates
RT ankerite
RT aragonite
RT calcite
RT carbonate minerals
RT dolomite
RT limestone
RT liming
RT marble
RT marlstone
RT phosphate rocks
RT shortite
RT travertine

CALCIUM CHLORIDES
*BT1 calcium halides
*BT1 chlorides

CALCIUM COMPLEXES
*BT1 alkaline earth metal complexes

CALCIUM COMPOUNDS
BT1 alkaline earth metal compounds
NT1 calcium borides
NT1 calcium carbides
NT1 calcium carbonates
NT1 calcium halides
NT2 calcium bromides
NT2 calcium chlorides
NT2 calcium fluorides
NT2 calcium iodides
NT1 calcium hydrides
NT1 calcium hydroxides
NT1 calcium nitrates
NT1 calcium nitrides
NT1 calcium oxides
NT1 calcium perchlorates
NT1 calcium phosphates
NT1 calcium silicates
NT1 calcium silicides
NT1 calcium sulfates
NT1 calcium sulfides
NT1 calcium tungstates

CALCIUM FLUORIDES
*BT1 calcium halides
*BT1 fluorides
RT fluorite
RT halide minerals
RT thermoluminescent dosemeters

CALCIUM HALIDES
INIS: Oct 1983; ETDE: Apr 1975
*BT1 calcium compounds
*BT1 halides
NT1 calcium bromides
NT1 calcium chlorides
NT1 calcium fluorides
NT1 calcium iodides

CALCIUM HYDRIDES
*BT1 calcium compounds
*BT1 hydrides

CALCIUM HYDROXIDES
*BT1 calcium compounds
*BT1 hydroxides

calcium hydroxyapatite
Use apatites
AND calcium phosphates

CALCIUM IODIDES
*BT1 calcium halides
*BT1 iodides

CALCIUM IONS
*BT1 ions

CALCIUM ISOTOPES
*BT1 alkaline earth isotopes
NT1 calcium 35
NT1 calcium 36
NT1 calcium 37
NT1 calcium 38
NT1 calcium 39
NT1 calcium 40
NT1 calcium 41
NT1 calcium 42
NT1 calcium 43
NT1 calcium 44
NT1 calcium 45
NT1 calcium 46
NT1 calcium 47
NT1 calcium 48
NT1 calcium 49
NT1 calcium 50
NT1 calcium 51
NT1 calcium 52
NT1 calcium 53
RT bone seekers

CALCIUM NITRATES
*BT1 calcium compounds
*BT1 nitrates

CALCIUM NITRIDES
*BT1 calcium compounds
*BT1 nitrides

CALCIUM OXIDES
*BT1 calcium compounds
*BT1 oxides
RT becquerelite
RT ellsworthite
RT liming
RT melanovanadite
RT oxide minerals
RT pascoite
RT perovskite
RT rauvite
RT tyuyamunite
RT zirconolite

CALCIUM PERCHLORATES
INIS: Sep 1991; ETDE: Jan 1975
*BT1 calcium compounds
*BT1 perchlorates

CALCIUM PHOSPHATES
UF+ *calcium hydroxyapatite*
*BT1 calcium compounds
*BT1 phosphates
RT phosphate rocks

CALCIUM SILICATES
*BT1 calcium compounds
*BT1 silicates
RT epidotes
RT garnets
RT ilvaite
RT kainosite
RT lavenite
RT ranquilite
RT silicate minerals
RT uranophane

CALCIUM SILICIDES
INIS: Sep 1991; ETDE: Jun 1976
*BT1 calcium compounds
*BT1 silicides

CALCIUM SULFATES
*BT1 calcium compounds
*BT1 sulfates
RT anhydrite
RT gypsum
RT polyhalite
RT sulfate minerals
RT thermoluminescent dosemeters

CALCIUM SULFIDES
*BT1 calcium compounds
*BT1 sulfides

CALCIUM TUNGSTATES
*BT1 calcium compounds
*BT1 inorganic phosphors
*BT1 tungstates

CALCRETES
INIS: Apr 1984; ETDE: Jun 1978
(Conglomerate consisting of surficial sand and gravel cemented in a hard mass by calcium carbonate. Important host for uranium deposits in some parts of the world. Until September 1994 this concept was indexed to LIMESTONE.)
*BT1 conglomerates

CALCULATION METHODS
INIS: Dec 1991; ETDE: Nov 1975
NT1 adjoint difference method
NT1 binary encounter method
NT1 bogolyubov method
NT1 brueckner method
NT1 case method
NT1 chew-low method
NT1 discrete ordinate method
NT1 feynman method
NT1 finite element method
NT2 boundary element method
NT1 generator-coordinate method
NT1 hartree-fock method
NT1 homogenization methods
NT1 iterative methods
NT2 finite difference method
NT2 galerkin-petrov method
NT2 newton method
NT2 runge-kutta method
NT1 k-harmonics method
NT1 lcao method
NT1 lyapunov method
NT1 molecular dynamics method
NT1 molecular orbital method
NT1 moments method
NT1 monte carlo method
NT1 multiple collision method
NT1 n-d method
NT1 nodal expansion method
NT1 omnes-muskhelishvili method
NT1 oseen method
NT1 patterson method
NT1 response matrix method
NT1 ritz method
NT1 rydberg-klein-rees method
NT1 saddle-point method
NT1 slater method
NT1 spherical harmonics method
NT2 p1-approximation
NT2 p2-approximation
NT2 p3-approximation
NT1 tamm-dancoff method
NT1 transfer matrix method
NT1 variational methods
NT2 density functional method
NT2 hsk procedure
NT2 resonating-group method
NT2 schwinger variational method
NT1 wick-chandrasekhar method
NT1 wigner-seitz method
NT1 yvon method
RT algorithms
RT mathematical solutions
RT measuring methods
RT numerical solution
RT sensitivity analysis

calculations (1-dimensional)
Use one-dimensional calculations

calculations (2-dimensional)
Use two-dimensional calculations

calculations (3-dimensional)
Use three-dimensional calculations

calculations (4-dimensional)
Use four-dimensional calculations

calculations (computer)
Use computer calculations

calculations (many dimensions)
Use many-dimensional calculations

CALCULATORS
INIS: Dec 1985; ETDE: Nov 1978
(Small, often hand-held, devices capable of carrying out limited logic and arithmetic operations.)
UF *pocket calculators*
*BT1 digital computers
RT data processing

CALCULI
(In biology and medicine only; to be assigned in coordination with descriptors specifying their location such as URINARY TRACT, PANCREAS, etc.)
UF+ *gallstones*
UF+ *kidney stones*
RT kidneys
RT urinary tract

calculus (differential)
Use differential calculus

CALCUTTA CYCLOTRON
INIS: Jun 1983; ETDE: Mar 1983
*BT1 heavy ion accelerators
*BT1 variable energy cyclotrons

CALDASITE
BT1 rocks
*BT1 uranium ores
RT baddeleyite
RT zircon

CALDER HALL A-1 REACTOR
(Seascale, Cumbria, UK)
UF *a-1 reactor (calder hall)*
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 plutonium production reactors
*BT1 thermal reactors

CALDER HALL A-2 REACTOR
(Seascale, Cumbria, UK)
UF *a-2 reactor (calder hall)*
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 plutonium production reactors
*BT1 thermal reactors

CALDER HALL B-3 REACTOR
(Seascale, Cumbria, UK)
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 plutonium production reactors
*BT1 thermal reactors

CALDER HALL B-4 REACTOR
(Seascale, Cumbria, UK)
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 plutonium production reactors
*BT1 thermal reactors

CALDERAS
INIS: Apr 1984; ETDE: Aug 1976
(Large, basin-shaped volcanic depressions, more or less circular in form, the diameter of which is many times greater than that of the included vent or vents.)
RT volcanoes

CALENDARS
INIS: Apr 2000; ETDE: Nov 1975
RT time measurement

CALHOUN-1 REACTOR
UF *fort calhoun-1 reactor*
*BT1 pwr type reactors

CALHOUN-2 REACTOR
INIS: Feb 1976; ETDE: Nov 1975
UF *fort calhoun-2 reactor*
*BT1 pwr type reactors

CALIBRATION
RT absolute counting
RT accuracy
RT calibration standards
RT inspection
RT scaling laws

CALIBRATION STANDARDS
UF *reference materials (standard)*
UF *srm*
UF *standard reference materials*
UF *standards (calibration)*
BT1 standards
RT accuracy
RT calibration
RT interlaboratory comparisons
RT nisus facility
RT ssdl
RT standardization

CALIFORNIA
UF+ *humboldt bay*
*BT1 usa
NT1 brawley geothermal field
NT1 coso hot springs
NT1 los angeles
RT atomics international canoga park plant
RT cascade mountains
RT edna deposit
RT geysers geothermal field
RT great basin
RT heber geothermal field
RT imperial valley
RT lawrence berkeley laboratory
RT lawrence livermore laboratory
RT lawrence livermore national laboratory
RT long valley
RT salton sea geothermal field
RT san bernardino mountains
RT san francisco bay
RT sandia laboratories
RT sandia national laboratories
RT santa barbara channel
RT sierra nevada colorado
RT stanford linear accelerator center
RT ucla
RT us naval petroleum reserves
RT us west coast
RT wendell-amedee hot springs

california berkeley triga reactor
Use ucbrr reactor

california irvine triga-mk-1 reactor
Use triga-1-california reactor

CALIFORNIUM
*BT1 actinides
*BT1 transplutonium elements

CALIFORNIUM 238
INIS: Sep 1992; ETDE: Nov 1979
*BT1 actinide nuclei
*BT1 californium isotopes
*BT1 even-even nuclei

CALIFORNIUM 239
INIS: Jun 1986; ETDE: Mar 1982
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 californium isotopes
*BT1 even-odd nuclei
*BT1 seconds living radioisotopes

CALIFORNIUM 240
INIS: Jun 1986; ETDE: Dec 1988
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 californium isotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes

CALIFORNIUM 241
INIS: Jun 1986; ETDE: Dec 1988
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 californium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes

CALIFORNIUM 242
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 californium isotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes

CALIFORNIUM 243
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 californium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes

CALIFORNIUM 244
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 californium isotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes

CALIFORNIUM 244 TARGET
INIS: Sep 1992; ETDE: Sep 1978
BT1 targets

CALIFORNIUM 245
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 californium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes

CALIFORNIUM 246
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 californium isotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 spontaneous fission radioisotopes

CALIFORNIUM 246 TARGET
INIS: Sep 1992; ETDE: Aug 1984
BT1 targets

CALIFORNIUM 247
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 californium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes

CALIFORNIUM 248
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 californium isotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 spontaneous fission radioisotopes

CALIFORNIUM 249
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 californium isotopes
*BT1 even-odd nuclei
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

CALIFORNIUM 249 TARGET
BT1 targets

CALIFORNIUM 250
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 californium isotopes
*BT1 even-even nuclei
*BT1 internal conversion radioisotopes
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

CALIFORNIUM 250 TARGET
INIS: Jul 1978; ETDE: Aug 1977
BT1 targets

CALIFORNIUM 251
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 californium isotopes
*BT1 even-odd nuclei
*BT1 years living radioisotopes

CALIFORNIUM 251 TARGET
BT1 targets

CALIFORNIUM 252
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 californium isotopes
*BT1 even-even nuclei
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

CALIFORNIUM 252 TARGET
BT1 targets

CALIFORNIUM 253
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 californium isotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei

CALIFORNIUM 254
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 californium isotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 spontaneous fission radioisotopes

CALIFORNIUM 254 TARGET
INIS: Sep 1978; ETDE: Jul 1978
BT1 targets

CALIFORNIUM 255
INIS: Jan 1977; ETDE: Nov 1976
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 californium isotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes

CALIFORNIUM 256
INIS: Sep 1978; ETDE: Dec 1977
*BT1 actinide nuclei
*BT1 californium isotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
*BT1 spontaneous fission radioisotopes

californium additions
Use alloys

CALIFORNIUM ALLOYS
INIS: Apr 1979; ETDE: Oct 1978
(Alloys containing more than 1% Cf.)
*BT1 actinide alloys

californium arsenides
Use arsenides
AND californium compounds

CALIFORNIUM BROMIDES
*BT1 bromides
*BT1 californium compounds

CALIFORNIUM CHLORIDES
*BT1 californium compounds
*BT1 chlorides

CALIFORNIUM COMPLEXES
*BT1 actinide complexes
*BT1 transuranium complexes

CALIFORNIUM COMPOUNDS
UF+ *californium arsenides*
UF+ *californium iodides*
UF+ *californium nitrates*
UF+ *californium nitrides*
UF+ *californium selenides*
UF+ *californium sulfides*
UF+ *californium tellurides*
BT1 actinide compounds
*BT1 transplutonium compounds
NT1 californium bromides
NT1 californium chlorides
NT1 californium fluorides
NT1 californium oxides

CALIFORNIUM FLUORIDES
*BT1 californium compounds
*BT1 fluorides

californium iodides
Use californium compounds
AND iodides

CALIFORNIUM IONS
*BT1 ions

CALIFORNIUM ISOTOPES
BT1 isotopes
NT1 californium 238
NT1 californium 239
NT1 californium 240
NT1 californium 241
NT1 californium 242
NT1 californium 243
NT1 californium 244
NT1 californium 245
NT1 californium 246
NT1 californium 247
NT1 californium 248
NT1 californium 249
NT1 californium 250

NT1 californium 251
NT1 californium 252
NT1 californium 253
NT1 californium 254
NT1 californium 255
NT1 californium 256

californium nitrates
Use californium compounds
AND nitrates

californium nitrides
Use californium compounds
AND nitrides

CALIFORNIUM OXIDES
*BT1 californium compounds
*BT1 oxides

californium selenides
Use californium compounds
AND selenides

californium sulfides
Use californium compounds
AND sulfides

californium tellurides
Use californium compounds
AND tellurides

CALIPER LOGGING
INIS: Apr 2000; ETDE: Aug 1976
BT1 well logging

CALIXARENES
INIS: Sep 1998; ETDE: Sep 1998
*BT1 condensed aromatics

CALLAWAY-1 REACTOR
(Fulton, Missouri, USA)
*BT1 pwr type reactors

CALLAWAY-2 REACTOR
(Fulton, Missouri, USA)
*BT1 pwr type reactors

CALMODULIN
INIS: Aug 1993; ETDE: Jul 1987
*BT1 proteins
RT membrane transport
RT receptors

caloricon process
Use waste processing

CALORIFIC VALUE
INIS: Mar 1992; ETDE: Jan 1976
(Quantity of heat liberated on the complete combustion of a unit weight or unit volume of fuel.)
UF *btu content*
BT1 combustion properties
RT combustion
RT combustion heat
RT fuels

calorimeter detectors
Use shower counters

CALORIMETERS
BT1 measuring instruments
RT calorimetric dosemeters
RT calorimetry
RT temperature measurement

calorimeters (particle)
Use shower counters

CALORIMETRIC DOSEMETERS
*BT1 dosemeters
RT calorimeters
RT thermocouples

CALORIMETRY
RT calorimeters
RT heat transfer
RT temperature measurement

calorizing
Use diffusion coating

caltech synchrotron
Use synchrotrons

calutrons
Use electromagnetic isotope separators

CALVERT CLIFFS-1 REACTOR
(Lusby, Maryland, USA)
*BT1 pwr type reactors

CALVERT CLIFFS-2 REACTOR
(Lusby, Maryland, USA)
*BT1 pwr type reactors

CALVES
*BT1 cattle

CALVIN CYCLE SPECIES
INIS: Apr 1992; ETDE: Jul 1986
(Plants that fix carbon by the reductive pentose phosphate pathway only.)
BT1 plants
RT c4 species
RT carbon dioxide fixation
RT chloroplasts
RT leaves
RT photosynthesis

cam
Use computer-aided manufacturing

CAMAC SYSTEM
(Computer Application to Measurement And Control.)
RT computers
RT data acquisition systems
RT data transmission
RT electronic equipment
RT equipment interfaces
RT fastbus system
RT modular structures
RT nuclear instrument modules
RT on-line control systems
RT specifications

cambium
Use meristems

CAMBODIA
BT1 asia

CAMBRIAN PERIOD
INIS: Apr 1992; ETDE: Oct 1977
*BT1 paleozoic era

CAMBRIDGE ELECTRON ACCELERATOR
UF *cea (accelerator)*
*BT1 synchrotrons

camellia sinensis
Use tea plants

CAMELS
INIS: Mar 1992; ETDE: Feb 1992
*BT1 ruminants
RT domestic animals

CAMERA TUBES
(Prior to July 1996 ICONOSCOPES and ORTHICONS were valid ETDE descriptors.)
UF *iconoscopes*
UF *orthicons*
BT1 image tubes
NT1 vidicons
RT television

CAMERAS
NT1 gamma cameras
NT2 positron cameras
NT1 neutron cameras
NT1 streak cameras
NT1 television cameras
RT photography
RT radioisotope scanning

CAMEROON
BT1 africa
BT1 developing countries

camp
Use amp

camp century medium power plant 2a
Use pm-2a reactor

CAMPBELLING CIRCUITS
INIS: Aug 1976; ETDE: Jan 1975
(Circuits based on Campbell's mean square theorem for evaluating the signal from an ionization chamber.)
BT1 electronic circuits
RT ionization chambers

camphene
Use cycloalkenes
AND terpenes

CAMPHOR
*BT1 ketones
*BT1 terpenes
RT celluloid

CANADA
BT1 developed countries
BT1 north america
NT1 alberta
NT1 british columbia
NT1 manitoba
NT1 new brunswick
NT1 newfoundland
NT1 northwest territories
NT1 nova scotia
NT1 ontario
NT2 chalk river
NT2 deep river
NT2 elliot lake
NT1 prince edward island
NT1 quebec
NT1 saskatchewan
NT1 yukon territory
RT appalachian mountains
RT athabasca deposit
RT bay of fundy
RT chalk river nuclear labs
RT cold lake deposit
RT fraser river
RT lake wabamun
RT nelson river
RT oecd
RT peace river deposit
RT polar gas project
RT rocky mountains
RT saint clair river
RT saint john river
RT wabasca deposit

canada-india reactor
Use cirus reactor

canada nrx research reactor
Use nrx reactor

CANADIAN AECB
INIS: Mar 1977; ETDE: Jun 1977
(Canadian Atomic Energy Control Board.)
UF *aecb canada*
UF *atomic energy control board (canada)*
*BT1 canadian organizations

canadian nru reactor
Use nru reactor

CANADIAN ORGANIZATIONS
BT1 national organizations
NT1 atomic energy of canada ltd
NT2 chalk river nuclear labs
NT2 wnre
NT1 canadian aecb

canals (waterways)
Use inland waterways

CANARE
INIS: Feb 1989; ETDE: Mar 1989
(Convention on Assistance in the Case of a Nuclear Accident or Radiological Emergency.)
UF *assistance in nuclear accident/radiological emergency conv.*
UF *conv assist nuc acc/rad emerg*
*BT1 international agreements
RT iaea
RT radiation accidents
RT reactor accidents

CANARY ISLANDS
INIS: Apr 2000; ETDE: Apr 1975
BT1 islands
*BT1 spain

canberra tokamak
Use lt-3 tokamak

CANCELLATION
INIS: Mar 1985; ETDE: Sep 1983
(Primarily for, but not limited to, energy facilities.)
RT amortization
RT decommissioning
RT planning
RT shutdown

cancer
Use neoplasms

CANDIDA
UF *monilia*
*BT1 yeasts

candu reactor
Use douglas point ontario reactor

CANDU TYPE REACTORS
INIS: Sep 1975; ETDE: Oct 1975
(Thermal power reactors of Canadian design characterized by heavy water moderator, pressure tube construction, and on-power refuelling.)
*BT1 heavy water moderated reactors
*BT1 pressure tube reactors
*BT1 thermal reactors
NT1 bruce-1 reactor
NT1 bruce-2 reactor
NT1 bruce-3 reactor
NT1 bruce-4 reactor
NT1 bruce-5 reactor
NT1 bruce-6 reactor
NT1 bruce-7 reactor
NT1 bruce-8 reactor
NT1 cernavoda-1 reactor
NT1 cordoba reactor
NT1 darlington-1 reactor
NT1 darlington-2 reactor
NT1 darlington-3 reactor
NT1 darlington-4 reactor
NT1 douglas point ontario reactor
NT1 embalse reactor
NT1 gentilly reactor
NT1 gentilly-2 reactor
NT1 kaiga-1 reactor
NT1 kaiga-2 reactor
NT1 kakrapar-1 reactor
NT1 kakrapar-2 reactor
NT1 kanupp reactor
NT1 npd reactor
NT1 pickering-1 reactor
NT1 pickering-2 reactor
NT1 pickering-3 reactor
NT1 pickering-4 reactor
NT1 pickering-5 reactor
NT1 pickering-6 reactor
NT1 pickering-7 reactor
NT1 pickering-8 reactor
NT1 point lepreau-1 reactor
NT1 point lepreau-2 reactor
NT1 qinshan-3-1 reactor
NT1 qinshan-3-2 reactor
NT1 rajasthan-1 reactor
NT1 rajasthan-2 reactor
NT1 rajasthan-3 reactor
NT1 rajasthan-4 reactor
NT1 wolsung-1 reactor
NT1 wolsung-2 reactor
NT1 wolsung-3 reactor
NT1 wolsung-4 reactor

canines
Use dogs

canis latrans
Use coyotes

canisters
Use containers

CANNEL COAL
INIS: Apr 2000; ETDE: Jan 1975
*BT1 sapropelic coal

cannikin event
Use nuclear explosions
AND underground explosions

CANNING
UF *sheathing*
*BT1 materials working
RT cladding
RT fuel cans

canning (food)
Use food processing

CANONICAL DIMENSION
(Scale dimension of quantum fields obeying canonical equal-time commutation relations.)
BT1 scale dimension
RT commutation relations

canonical equations
Use differential equations

canonical quantum field theory
Use lagrangian field theory

CANONICAL TRANSFORMATIONS
BT1 transformations
NT1 bogolyubov transformation
NT1 foldy-wouthuysen transform
RT equations of motion
RT mathematics
RT mechanics
RT quantum mechanics

CANOPIES
INIS: Mar 1992; ETDE: Feb 1985
(Vegetative canopies only.)
RT forests
RT ground cover
RT leaves
RT plants
RT throughfall
RT trees

caorso reactor
Use enel-4 reactor

CAP ROCK
INIS: Apr 2000; ETDE: Jan 1975
RT rocks

CAPACITANCE
INIS: Jan 1984; ETDE: Jun 1981
*BT1 electrical properties
RT deep level transient spectroscopy
RT dielectric properties
RT electric charges
RT electric impedance
RT inductance

CAPACITIVE ENERGY STORAGE EQUIPMENT
INIS: Apr 2000; ETDE: Feb 1979
BT1 equipment
RT capacitors
RT energy storage
RT energy storage systems
RT peaking power plants

CAPACITORS
UF *condensers (electric)*
UF *electric condensers*
*BT1 electrical equipment
RT capacitive energy storage equipment
RT dielectric materials
RT electrostatics
RT energy storage
RT energy storage systems
RT power supplies

capacitrons
Use rectifier tubes

CAPACITY
INIS: Dec 1982; ETDE: Jun 1977
(Coordinate with descriptor for appropriate other term. Not for electrical capacitance.)
UF *generating capacity*
UF *production capacity*
UF *reserve capacity*
RT load management
RT outages
RT power generation
RT production

CAPE FEAR RIVER
*BT1 rivers
RT north carolina

CAPE KENNEDY
*BT1 florida

CAPE VERDE ISLANDS
INIS: Jun 1992; ETDE: Dec 1979
BT1 islands
RT atlantic ocean

CAPILLARIES
*BT1 blood vessels
RT animal tissues
RT glomeruli
RT histamine
RT respiration

RT supercritical fluid chromatography
RT vasoconstriction
RT vasodilation

capillary action shaping technique
Use cast method

CAPILLARY FLOW
BT1 fluid flow
RT heat pipe wicks
RT heat pipes

CAPITAL
RT capitalized cost
RT cost
RT economics
RT euromarket
RT expenditures
RT financing
RT investment

capital costs
Use capitalized cost

CAPITALIZED COST
INIS: Dec 1982; ETDE: Jun 1980
(Prior to August 1985 CAPITAL COST was used.)
UF *capital costs*
BT1 cost
RT capital
RT economic analysis
RT operating cost

capric acid
Use decanoic acid

caproic acid
Use hexanoic acid

caprylic acid
Use octanoic acid

CAPSICUM
*BT1 magnoliopsida
RT peppers
RT spices

CAPSULES
BT1 containers
RT encapsulation

capsules (irradiation)
Use irradiation capsules

CAPTURE
(For capture cross sections, see also INTEGRAL CROSS SECTIONS.)
UF *radiative capture*
UF+ *neutron capture*
NT1 electron capture
RT capture-to-fission ratio
RT electron capture decay
RT interactions
RT nuclear reactions
RT panofsky ratio
RT r process
RT valency model

CAPTURE-TO-FISSION RATIO
UF *neutron capture-to-fission ratio*
RT capture
RT fission ratio
RT interactions
RT nuclear reactions

carassius
Use goldfish

caraway
Use ranunculaceae

CARBAMATES
*BT1 carbonic acid derivatives
BT1 carboxylic acid salts
*BT1 organic nitrogen compounds
NT1 dedtc
NT1 urethane
RT carbamic acid esters

CARBAMIC ACID ESTERS
*BT1 carboxylic acid esters
RT carbamates

carbamide
Use urea

carbanions
Use anions

CARBAZIDES
*BT1 carbonic acid derivatives
*BT1 organic nitrogen compounds

CARBAZOLES
UF *dibenzopyrroles*
*BT1 azaarenes
*BT1 azoles
RT pyrroles

CARBAZONES
(Prior to March 1997 DIPHENYLCARBAZONES was a valid ETDE descriptor.)
UF *diphenylcarbazones*
*BT1 carbonic acid derivatives
*BT1 organic nitrogen compounds
NT1 dithizone

CARBENES
INIS: Feb 1983; ETDE: Mar 1978
(Organic radicals containing divalent carbon as CH2, CHOH,CHF, etc.)
BT1 radicals
RT reaction intermediates

CARBIDES
UF+ *americium carbides*
UF+ *indium carbides*
UF+ *protactinium carbides*
UF+ *selenium carbides*
BT1 carbon compounds
NT1 aluminium carbides
NT1 barium carbides
NT1 beryllium carbides
NT1 boron carbides
NT1 cadmium carbides
NT1 calcium carbides
NT1 cerium carbides
NT1 cesium carbides
NT1 chromium carbides
NT1 cobalt carbides
NT1 copper carbides
NT1 dysprosium carbides
NT1 erbium carbides
NT1 europium carbides
NT1 gadolinium carbides
NT1 gallium carbides
NT1 germanium carbides
NT1 hafnium carbides
NT1 holmium carbides
NT1 iridium carbides
NT1 iron carbides
NT2 cementite
NT2 ni-hard
NT1 lanthanum carbides
NT1 lead carbides
NT1 lithium carbides
NT1 lutetium carbides
NT1 magnesium carbides
NT1 manganese carbides
NT1 molybdenum carbides
NT1 neodymium carbides
NT1 neptunium carbides
NT1 nickel carbides
NT1 niobium carbides
NT1 nitrogen carbides
NT1 osmium carbides
NT1 palladium carbides
NT1 platinum carbides
NT1 plutonium carbides
NT1 potassium carbides
NT1 praseodymium carbides
NT1 rhenium carbides
NT1 rhodium carbides
NT1 rubidium carbides
NT1 ruthenium carbides
NT1 samarium carbides
NT1 scandium carbides
NT1 silicon carbides
NT1 sodium carbides
NT1 strontium carbides
NT1 tantalum carbides
NT1 technetium carbides
NT1 terbium carbides
NT1 thallium carbides
NT1 thorium carbides
NT1 thulium carbides
NT1 tin carbides
NT1 titanium carbides
NT1 tungsten carbides
NT1 uranium carbides
NT1 vanadium carbides
NT1 ytterbium carbides
NT1 yttrium carbides
NT1 zinc carbides
NT1 zirconium carbides
RT carbon additions
RT carbonitrides
RT ceramics
RT decarburization
RT oxycarbides

carbinol
Use methanol

carbitols
Use ethers
AND glycols
AND organic solvents

CARBOHYDRATES
BT1 organic compounds
NT1 glycosides
NT2 cardiac glycosides
NT3 digitalis glycosides
NT4 digitoxin
NT4 digoxin
NT3 strophanthins
NT4 ouabain
NT2 saponins
NT2 strophantin
NT2 udpg
NT1 saccharides
NT2 glycolipids
NT3 cerebrosides
NT3 gangliosides
NT2 glycoproteins
NT3 avidin
NT3 glucoproteins
NT4 lactoferrin
NT4 ovalbumin
NT3 lh
NT2 monosaccharides
NT3 erythritol
NT3 hexoses
NT4 fructose
NT4 galactose
NT4 glucose
NT4 hexosamines
NT5 glucosamine

NT4 mannose
NT4 sorbose
NT3 inositols
NT4 inositol
NT3 pentoses
NT4 arabinose
NT4 deoxyribose
NT4 ribose
NT4 ribulose
NT4 xylose
NT3 sorbitol
NT2 oligosaccharides
NT3 disaccharides
NT4 cellobiose
NT4 lactose
NT4 maltose
NT4 saccharose
NT3 raffinose
NT2 polysaccharides
NT3 agar
NT3 alginic acid
NT3 cellophane
NT3 cellulose
NT3 dextran
NT3 dextrin
NT3 glycogen
NT3 gum acacia
NT3 hemicellulose
NT4 xylans
NT3 inulin
NT3 lignin
NT3 lipopolysaccharides
NT3 mucopolysaccharides
NT4 chitin
NT4 chondroitin
NT4 heparin
NT4 hyaluronic acid
NT3 mucoproteins
NT4 haptoglobins
NT4 intrinsic factor
NT4 phytohemagglutinin
NT3 nitrocellulose
NT3 pectins
NT3 rayon
NT3 starch
NT3 viscose
NT3 xanthan gum
RT food
RT glycolysis
RT phosphoenolpyruvate

CARBOLOY

INIS: Apr 2000; ETDE: Dec 1974
*BT1 cobalt alloys
*BT1 tantalum alloys
*BT1 titanium alloys
*BT1 tungsten alloys

CARBON

*BT1 nonmetals
NT1 activated carbon
NT1 carbon black
NT1 carbynes
NT1 diamonds
NT1 fullerenes
NT1 graphite
NT1 pyrolytic carbon
RT carbon fibers
RT carbon meters
RT decarburization

CARBON 10

*BT1 beta-plus decay radioisotopes
*BT1 carbon isotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 seconds living radioisotopes

CARBON 10 BEAMS

INIS: Nov 1988; ETDE: Dec 1988
*BT1 radioactive ion beams

CARBON 11

*BT1 beta-plus decay radioisotopes
*BT1 carbon isotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 minutes living radioisotopes

CARBON 11 BEAMS

INIS: May 1985; ETDE: Jul 1985
*BT1 radioactive ion beams
*BT1 secondary beams

CARBON 11 TARGET

INIS: Apr 1986; ETDE: Jul 1979
BT1 targets

CARBON 12

*BT1 carbon isotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 stable isotopes
RT carbon 12 beams

CARBON 12 BEAMS

*BT1 ion beams
RT carbon 12

CARBON 12 DECAY RADIOISOTOPES

*BT1 heavy ion decay radioisotopes
NT1 barium 114
RT carbon 12 emission decay

CARBON 12 EMISSION DECAY

INIS: May 1991; ETDE: May 1991
*BT1 heavy ion emission decay
RT carbon 12 decay radioisotopes

CARBON 12 REACTIONS

*BT1 heavy ion reactions

CARBON 12 TARGET

BT1 targets

CARBON 13

*BT1 carbon isotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 stable isotopes
RT carbon 13 beams

CARBON 13 BEAMS

*BT1 ion beams
RT carbon 13

CARBON 13 REACTIONS

*BT1 heavy ion reactions

CARBON 13 TARGET

BT1 targets

CARBON 14

UF+ *radiocarbon dating*
*BT1 beta-minus decay radioisotopes
*BT1 carbon isotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 years living radioisotopes
RT carbon 14 beams
RT carbon 14 compounds
RT carbon 14 reactions
RT isotope dating

CARBON 14 BEAMS

*BT1 radioactive ion beams
RT carbon 14

CARBON 14 COMPOUNDS

BT1 carbon compounds
BT1 labelled compounds
RT carbon 14
RT labelling

CARBON 14 DECAY RADIOISOTOPES

INIS: Mar 1986; ETDE: Oct 1988
*BT1 heavy ion decay radioisotopes
NT1 radium 222
NT1 radium 223
NT1 radium 224
NT1 radium 226
RT carbon 14 emission decay

CARBON 14 EMISSION DECAY

INIS: Mar 1986; ETDE: Oct 1988
*BT1 heavy ion emission decay
RT carbon 14 decay radioisotopes

CARBON 14 REACTIONS

*BT1 heavy ion reactions
RT carbon 14

CARBON 14 TARGET

BT1 targets

CARBON 15

*BT1 beta-minus decay radioisotopes
*BT1 carbon isotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 seconds living radioisotopes

CARBON 16

*BT1 beta-minus decay radioisotopes
*BT1 carbon isotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes

CARBON 16 EMISSION DECAY

INIS: Apr 2000; ETDE: May 1991
*BT1 heavy ion emission decay

CARBON 16 TARGET

INIS: Sep 1992; ETDE: May 1977
BT1 targets

CARBON 17

*BT1 beta-minus decay radioisotopes
*BT1 carbon isotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes

CARBON 18

*BT1 beta-minus decay radioisotopes
*BT1 carbon isotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes

CARBON 19

*BT1 carbon isotopes
*BT1 even-odd nuclei
*BT1 light nuclei

CARBON 20

*BT1 carbon isotopes
*BT1 even-even nuclei
*BT1 light nuclei

CARBON 22

INIS: Feb 1979; ETDE: Mar 1979
*BT1 carbon isotopes
*BT1 even-even nuclei
*BT1 light nuclei

CARBON 8

*BT1 carbon isotopes
*BT1 even-even nuclei
*BT1 light nuclei

CARBON 9

*BT1 beta-plus decay radioisotopes
*BT1 carbon isotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes

CARBON ADDITIONS

BT1 alloys
NT1 alloy-co43cr20fe18ni13w3
NT2 havar
NT1 alloy-hs-31
NT1 alloy-in-102
NT1 alloy-n-10m
NT1 alloy-n-9m
NT1 alloy-n28t3
NT1 alloy-ni60co15cr10al6ti5mo3
NT2 alloy-in-100
NT1 alloy-s-816
NT1 alloy-v-36
NT1 ascoloy
NT1 astroloy
NT1 austenite
NT1 cast iron
NT1 discaloy
NT1 duriron
NT1 ferrite
NT1 martensite
NT1 rene 41
NT1 rene 95
NT1 steels
NT2 austenitic steels
NT3 steel-cr15ni15motib
NT3 steel-cr16ni13monbv
NT3 steel-cr16ni15mo3nb
NT3 steel-cr16ni16monb
NT3 steel-cr16ni8mo2
NT4 stainless steel-16-8-2
NT3 steel-cr17ni12mo3
NT4 stainless steel-316
NT3 steel-cr17ni12mo3-l
NT4 stainless steel-316l
NT4 stainless steel-zcnd17-13
NT3 steel-cr17ni12monb
NT3 steel-cr17ni13
NT3 steel-cr17ni13mo2ti
NT3 steel-cr17ni13mo3ti
NT3 steel-cr17ni7
NT4 stainless steel-301
NT3 steel-cr18ni10
NT4 stainless steel-18-10
NT3 steel-cr18ni10-l
NT3 steel-cr18ni10ti
NT4 stainless steel-321
NT3 steel-cr18ni11
NT4 steel-x6crni1811
NT3 steel-cr18ni11nb
NT4 stainless steel-347
NT3 steel-cr18ni11nbco
NT4 stainless steel-348
NT3 steel-cr18ni12
NT4 stainless steel-305
NT3 steel-cr18ni12ti
NT3 steel-cr18ni8
NT4 stainless steel-18-8
NT3 steel-cr18ni9
NT4 stainless steel-302
NT3 steel-cr18ni9ti
NT3 steel-cr19ni10
NT4 stainless steel-304
NT3 steel-cr19ni10-l
NT4 stainless steel-304l
NT3 steel-cr20ni11
NT4 stainless steel-308
NT3 steel-cr20ni11-l
NT4 stainless steel-308l
NT3 steel-cr21mn9ni6
NT4 stainless steel-21-6-9
NT3 steel-cr23ni14
NT4 stainless steel-309
NT4 stainless steel-309s
NT3 steel-cr23ni18
NT3 steel-cr25ni20
NT4 alloy-hk-40
NT4 stainless steel-310
NT3 steel-ni25cr20
NT4 stainless steel-20-25
NT3 steel-ni26cr15ti2movalb
NT4 alloy-a-286
NT2 carbon steels
NT3 steel-astm-a105
NT3 steel-astm-a106
NT3 steel-astm-a212
NT3 steel-astm-a285
NT3 steel-astm-a516
NT3 steel-astm-a533-b
NT3 steel-in-787
NT3 steel-sae-1045
NT2 croloy
NT3 steel-cr13
NT4 stainless steel-410
NT3 steel-cr16
NT4 stainless steel-430
NT3 steel-cr18ni10
NT4 stainless steel-18-10
NT3 steel-cr2mo
NT4 steel-astm-a542
NT3 steel-cr5mo
NT2 ferritic steels
NT3 steel-cr12moniv
NT3 steel-cr13al
NT4 stainless steel-405
NT3 steel-cr16
NT4 stainless steel-430
NT3 steel-cr25
NT4 stainless steel-446
NT3 steel-cr9mo
NT3 steel-cr9monbv
NT2 high alloy steels
NT3 stainless steels
NT4 chromium steels
NT5 chromium-molybdenum steels
NT6 chromium-nickel-molybdenum steels
NT7 alloy-m-813
NT7 steel-cr11ni10mo2ti-l
NT7 steel-cr15ni15motib
NT7 steel-cr16ni13monbv
NT7 steel-cr16ni15mo3nb
NT7 steel-cr16ni16monb
NT7 steel-cr16ni8mo2
NT8 stainless steel-16-8-2
NT7 steel-cr16ni9mo2
NT7 steel-cr17ni12mo3
NT8 stainless steel-316
NT7 steel-cr17ni12mo3-l
NT8 stainless steel-316l
NT8 stainless steel-zcnd17-13
NT7 steel-cr17ni12monb
NT7 steel-cr17ni13mo2ti
NT7 steel-cr17ni13mo3ti
NT7 steel-ni26cr15ti2movalb
NT8 alloy-a-286
NT5 magnet steel-ks
NT5 miduale
NT5 stainless steel-406
NT5 steel-cr10mo2
NT5 steel-cr12
NT6 stainless steel-403
NT5 steel-cr12moniv
NT5 steel-cr12mov
NT6 alloy-ht-9
NT5 steel-cr13
NT6 stainless steel-410
NT5 steel-cr13al
NT6 stainless steel-405
NT5 steel-cr16
NT6 stainless steel-430
NT5 steel-cr16ni
NT5 steel-cr17cu4ni4nb-l
NT6 stainless steel-17-4ph
NT5 steel-cr17mo
NT6 stainless steel-440
NT5 steel-cr17ni4mo3
NT5 steel-cr18
NT5 steel-cr25
NT6 stainless steel-446
NT5 steel-cr9mo
NT5 steel-cr9monbv
NT4 chromium-nickel steels
NT5 alloy-d-9
NT5 carpenter
NT5 chromium-nickel-molybdenum steels
NT6 alloy-m-813
NT6 steel-cr11ni10mo2ti-l
NT6 steel-cr15ni15motib
NT6 steel-cr16ni13monbv
NT6 steel-cr16ni15mo3nb
NT6 steel-cr16ni16monb
NT6 steel-cr16ni8mo2
NT7 stainless steel-16-8-2
NT6 steel-cr16ni9mo2
NT6 steel-cr17ni12mo3
NT7 stainless steel-316
NT6 steel-cr17ni12mo3-l
NT7 stainless steel-316l
NT7 stainless steel-zcnd17-13
NT6 steel-cr17ni12monb
NT6 steel-cr17ni13mo2ti
NT6 steel-cr17ni13mo3ti
NT6 steel-ni26cr15ti2movalb
NT7 alloy-a-286
NT5 durco
NT5 enduro
NT5 stainless steel-17-7ph
NT5 stainless steel-303
NT5 stainless steel-329
NT5 stainless steel-ph-15-7-mo
NT5 steel-cr17ni13
NT5 steel-cr17ni7
NT6 stainless steel-301
NT5 steel-cr18ni10
NT6 stainless steel-18-10
NT5 steel-cr18ni10-l
NT5 steel-cr18ni10ti
NT6 stainless steel-321
NT5 steel-cr18ni11
NT6 steel-x6crni1811
NT5 steel-cr18ni11nb
NT6 stainless steel-347
NT5 steel-cr18ni11nbco
NT6 stainless steel-348
NT5 steel-cr18ni12
NT6 stainless steel-305
NT5 steel-cr18ni12ti
NT5 steel-cr18ni8
NT6 stainless steel-18-8
NT5 steel-cr18ni9
NT6 stainless steel-302
NT5 steel-cr18ni9ti
NT5 steel-cr19ni10
NT6 stainless steel-304
NT5 steel-cr19ni10-l
NT6 stainless steel-304l
NT5 steel-cr20ni11
NT6 stainless steel-308
NT5 steel-cr20ni11-l
NT6 stainless steel-308l
NT5 steel-cr23ni14
NT6 stainless steel-309
NT6 stainless steel-309s

NT5 steel-cr23ni18
NT5 steel-cr25ni20
NT6 alloy-hk-40
NT6 stainless steel-310
NT5 steel-ni25cr20
NT6 stainless steel-20-25
NT5 steel-ni36cr12ti3al-l
NT5 timken alloys
NT4 low carbon-high alloy steels
NT5 steel-cr11ni10mo2ti-l
NT5 steel-cr17cu4ni4nb-l
NT6 stainless steel-17-4ph
NT5 steel-cr17ni12mo3-l
NT6 stainless steel-316l
NT6 stainless steel-zcnd17-13
NT5 steel-cr18ni10-l
NT5 steel-cr19ni10-l
NT6 stainless steel-304l
NT5 steel-cr20ni11-l
NT6 stainless steel-308l
NT5 steel-ni36cr12ti3al-l
NT4 stainless steel m-50
NT4 stainless steel-317
NT4 stainless steel-318
NT4 stainless steel-422
NT4 stainless steel-fv-548
NT4 stainless steel-jbk-75
NT4 steel-cr21mn9ni6
NT5 stainless steel-21-6-9
NT4 sweetalloy
NT2 low alloy steels
NT3 steel-astm-a350
NT3 steel-astm-a387
NT3 steel-astm-a508
NT3 steel-astm-a533
NT3 steel-cr2mo
NT4 steel-astm-a542
NT3 steel-cr2moninb
NT3 steel-cr2mov
NT3 steel-cr2nimov
NT3 steel-cr5mo
NT3 steel-cralnimo
NT3 steel-crmo
NT3 steel-crmov
NT3 steel-crni
NT3 steel-mncumo
NT4 steel-astm-a537
NT3 steel-mnmo
NT4 steel-astm-a302
NT3 steel-mnnimo
NT4 steel-astm-a533-b
NT3 steel-mnnimov
NT3 steel-ni3cr
NT3 steel-ni3crmo
NT4 steel-astm-a543
NT3 steel-ni3crmov
NT3 steel-ni4crw
NT3 steel-nicr
NT3 steel-nicrmo
NT3 steel-nimocr
NT2 manganese steels
NT2 martensitic steels
NT3 maraging steels
NT3 steel-cr10mo2
NT3 steel-cr12
NT4 stainless steel-403
NT3 steel-cr12mov
NT4 alloy-ht-9
NT3 steel-cr13
NT4 stainless steel-410
NT3 steel-cr16ni
NT3 steel-cr17cu4ni4nb-l
NT4 stainless steel-17-4ph
NT3 steel-cr17mo
NT4 stainless steel-440
NT3 steel-cr18
NT2 nickel steels
NT3 sweetalloy
NT2 steel-astm-a572

RT carbides

CARBON BLACK

*BT1 carbon

CARBON BURNING

INIS: Aug 1978; ETDE: Oct 1978
(Astrophysical processes only.)
BT1 star burning
RT nucleosynthesis
RT star evolution
RT star models
RT stars

CARBON-CARBON LYASES

INIS: Dec 1986; ETDE: Jan 1981
(Code number 4.1.)
*BT1 lyases
NT1 aldehyde-lyases
NT1 aldolases
NT1 carboxy-lyases
NT2 carboxylase
NT2 decarboxylases
NT2 ribulose diphosphate carboxylase

CARBON COMPLEXES

BT1 complexes

CARBON COMPOUNDS

NT1 carbides
NT2 aluminium carbides
NT2 barium carbides
NT2 beryllium carbides
NT2 boron carbides
NT2 cadmium carbides
NT2 calcium carbides
NT2 cerium carbides
NT2 cesium carbides
NT2 chromium carbides
NT2 cobalt carbides
NT2 copper carbides
NT2 dysprosium carbides
NT2 erbium carbides
NT2 europium carbides
NT2 gadolinium carbides
NT2 gallium carbides
NT2 germanium carbides
NT2 hafnium carbides
NT2 holmium carbides
NT2 iridium carbides
NT2 iron carbides
NT3 cementite
NT3 ni-hard
NT2 lanthanum carbides
NT2 lead carbides
NT2 lithium carbides
NT2 lutetium carbides
NT2 magnesium carbides
NT2 manganese carbides
NT2 molybdenum carbides
NT2 neodymium carbides
NT2 neptunium carbides
NT2 nickel carbides
NT2 niobium carbides
NT2 nitrogen carbides
NT2 osmium carbides
NT2 palladium carbides
NT2 platinum carbides
NT2 plutonium carbides
NT2 potassium carbides
NT2 praseodymium carbides
NT2 rhenium carbides
NT2 rhodium carbides
NT2 rubidium carbides
NT2 ruthenium carbides
NT2 samarium carbides
NT2 scandium carbides
NT2 silicon carbides
NT2 sodium carbides
NT2 strontium carbides
NT2 tantalum carbides
NT2 technetium carbides
NT2 terbium carbides
NT2 thallium carbides
NT2 thorium carbides
NT2 thulium carbides
NT2 tin carbides
NT2 titanium carbides
NT2 tungsten carbides
NT2 uranium carbides
NT2 vanadium carbides
NT2 ytterbium carbides
NT2 yttrium carbides
NT2 zinc carbides
NT2 zirconium carbides
NT1 carbon 14 compounds
NT1 carbon fluorides
NT1 carbon nitrides
NT1 carbon oxides
NT2 carbon dioxide
NT2 carbon monoxide
NT1 carbon oxysulfide
NT1 carbon sulfides
NT1 carbonates
NT2 americium carbonates
NT2 ammonium carbonates
NT3 auc
NT2 barium carbonates
NT2 beryllium carbonates
NT2 cadmium carbonates
NT2 calcium carbonates
NT2 cerium carbonates
NT2 cesium carbonates
NT2 cobalt carbonates
NT2 copper carbonates
NT2 erbium carbonates
NT2 europium carbonates
NT2 gadolinium carbonates
NT2 holmium carbonates
NT2 iron carbonates
NT2 lanthanum carbonates
NT2 lead carbonates
NT2 lithium carbonates
NT2 lutetium carbonates
NT2 magnesium carbonates
NT2 manganese carbonates
NT2 molybdenum carbonates
NT2 neodymium carbonates
NT2 neptunium carbonates
NT2 nickel carbonates
NT2 plutonium carbonates
NT2 polycarbonates
NT2 potassium carbonates
NT2 praseodymium carbonates
NT2 rhenium carbonates
NT2 rubidium carbonates
NT2 samarium carbonates
NT2 scandium carbonates
NT2 sodium carbonates
NT2 strontium carbonates
NT2 terbium carbonates
NT2 thallium carbonates
NT2 thorium carbonates
NT2 uranium carbonates
NT2 uranyl carbonates
NT2 ytterbium carbonates
NT2 yttrium carbonates
NT2 zinc carbonates
NT2 zirconium carbonates
NT1 carbonic acid
NT1 carbonitrides
NT1 carbonium compounds
NT1 carboranes
NT1 oxycarbides
RT soot

CARBON CYCLE

INIS: Jul 1982; ETDE: Mar 1979
RT air-water interactions

RT carbon dioxide fixation
RT carbon sinks
RT carbon sources
RT deforestation
RT ecological concentration
RT ecosystems
RT metabolism
RT mineral cycling
RT photosynthesis
RT ribulose diphosphate carboxylase

CARBON DIOXIDE

*BT1 carbon oxides
RT carbon dioxide fixation
RT greenhouse gases
RT inert atmosphere
RT phosphoenolpyruvate

carbon dioxide acceptor process

Use coal gasification
AND sng processes

CARBON DIOXIDE COOLED REACTORS

*BT1 gas cooled reactors
NT1 berkeley reactor
NT1 bohunice a-1 reactor
NT1 bradwell reactor
NT1 bugey-1 reactor
NT1 calder hall a-1 reactor
NT1 calder hall a-2 reactor
NT1 calder hall b-3 reactor
NT1 calder hall b-4 reactor
NT1 cesar reactor
NT1 chapelcross-1 reactor
NT1 chapelcross-2 reactor
NT1 chapelcross-3 reactor
NT1 chapelcross-4 reactor
NT1 chinon-1 reactor
NT1 chinon-2 reactor
NT1 chinon-3 reactor
NT1 connah quay-b reactor
NT1 dungeness-a reactor
NT1 dungeness-b reactor
NT1 el-2 reactor
NT1 el-4 reactor
NT1 g-2 reactor
NT1 g-3 reactor
NT1 hartlepool reactor
NT1 hector reactor
NT1 hero reactor
NT1 heysham-a reactor
NT1 heysham-b reactor
NT1 hinkley point-a reactor
NT1 hinkley point-b reactor
NT1 hunterston-a reactor
NT1 hunterston-b reactor
NT1 latina reactor
NT1 lucens reactor
NT1 niederaichbach reactor
NT1 oldbury-a reactor
NT1 oldbury-b reactor
NT1 saint laurent-1 reactor
NT1 saint laurent-2 reactor
NT1 sizewell-a reactor
NT1 tokai-mura reactor
NT1 torness reactor
NT1 trawsfynydd reactor
NT1 vandellos reactor
NT1 wagr reactor
NT1 wylfa reactor
RT agr type reactors
RT gcr type reactors
RT magnox type reactors

CARBON DIOXIDE FIXATION

INIS: Feb 1982; ETDE: Feb 1982
UF *fixation (carbon dioxide)*
RT air
RT c4 species
RT calvin cycle species
RT carbon cycle
RT carbon dioxide
RT carbon sources
RT metabolism
RT photosynthesis
RT plant growth
RT ribulose diphosphate carboxylase

CARBON DIOXIDE INJECTION

INIS: Jan 1992; ETDE: Aug 1978
UF *co2 flooding*
*BT1 miscible-phase displacement
RT enhanced recovery
RT oil wells
RT well stimulation

CARBON DIOXIDE LASERS

*BT1 gas lasers
RT antares facility
RT helios facility

CARBON FIBERS

INIS: Mar 1983; ETDE: Nov 1975
UF *graphite fibers*
BT1 fibers
RT carbon
RT graphite

CARBON FLUORIDES

BT1 carbon compounds
*BT1 fluorides

CARBON-GROUP TRANSFERASES

INIS: Dec 1986; ETDE: Aug 1991
*BT1 transferases
NT1 methyl transferases

CARBON IONS

*BT1 ions

CARBON ISOTOPES

BT1 isotopes
NT1 carbon 10
NT1 carbon 11
NT1 carbon 12
NT1 carbon 13
NT1 carbon 14
NT1 carbon 15
NT1 carbon 16
NT1 carbon 17
NT1 carbon 18
NT1 carbon 19
NT1 carbon 20
NT1 carbon 22
NT1 carbon 8
NT1 carbon 9

CARBON METERS

INIS: Jan 1978; ETDE: Aug 1977
*BT1 meters
RT carbon
RT chemical analysis

CARBON MONOXIDE

UF+ *cosorb process*
*BT1 carbon oxides
RT bosch process
RT carbonyls
RT carboxyhemoglobin

CARBON MONOXIDE LASERS

*BT1 gas lasers

CARBON NITRIDES

BT1 carbon compounds
*BT1 nitrides

carbon-nitrogen-oxygen cycle

Use cno cycle

carbon oxide sulfide

Use carbon oxysulfide

CARBON OXIDES

BT1 carbon compounds
*BT1 oxides
NT1 carbon dioxide
NT1 carbon monoxide
RT oxycarbides

carbon oxychloride

Use phosgene

CARBON-OXYGEN LYASES

INIS: Dec 1986; ETDE: Jan 1981
(Code number 4.2.)
UF *polysaccharide-lyases*
*BT1 lyases
NT1 hyaluronidase
NT1 hydro-lyases
NT2 carbonic anhydrase

CARBON OXYSULFIDE

INIS: Apr 2000; ETDE: Sep 1975
UF *carbon oxide sulfide*
UF *carbonyl sulfide*
BT1 carbon compounds
BT1 sulfur compounds
RT carbonic acid derivatives

CARBON SINKS

INIS: Aug 1992; ETDE: Aug 1981
BT1 sinks
RT carbon cycle
RT carbon sources
RT mineral cycling

CARBON SOURCES

INIS: Aug 1992; ETDE: Jun 1986
RT biosphere
RT carbon cycle
RT carbon dioxide fixation
RT carbon sinks
RT pollution sources

CARBON STARS

*BT1 main sequence stars

CARBON STEELS

(Steels with carbon as the only alloying element.)
UF *steel-08g2sfb*
UF *steel-astm-a350 (gr 1)*
UF *steel-astm-a350 (gr 2)*
UF *steel-astm-a416*
UF *steel-sae-1006*
*BT1 steels
NT1 steel-astm-a105
NT1 steel-astm-a106
NT1 steel-astm-a212
NT1 steel-astm-a285
NT1 steel-astm-a516
NT1 steel-astm-a533-b
NT1 steel-in-787
NT1 steel-sae-1045

CARBON SULFIDES

UF *sulfur carbides*
BT1 carbon compounds
*BT1 sulfides

CARBON TETRACHLORIDE

(Prior to August 1985 TETRACHLOROMETHANE was used.)
UF *tetrachloromethane*
*BT1 chlorinated aliphatic hydrocarbons
RT methane
RT organic solvents

CARBON TETRAFLUORIDE
(Prior to August 1985 TETRAFLUOROMETHANE was used.)
UF *tetrafluoromethane*
*BT1 fluorinated aliphatic hydrocarbons
RT methane

CARBONACEOUS MATERIALS
INIS: Jul 1982; ETDE: Jan 1975
(Materials rich in carbon.)
BT1 materials
NT1 bituminous materials
NT2 kerogen
NT2 oil sands
NT2 oil shales
NT3 black shales
NT1 coal
NT2 black coal
NT3 anthracite
NT3 bituminous coal
NT2 brown coal
NT3 lignite
NT2 coal fines
NT2 sapropelic coal
NT3 boghead coal
NT4 torbanite
NT3 cannel coal
NT2 subbituminous coal
RT organic matter

CARBONATE MINERALS
INIS: Apr 1984; ETDE: May 1982
UF+ *andersonite*
UF+ *bayleyite*
UF+ *cordylite*
UF+ *liebigite*
UF+ *rutherfordite*
UF+ *schroeckingerite*
UF+ *sharpite*
BT1 minerals
NT1 ankerite
NT1 aragonite
NT1 calcite
NT1 dawsonite
NT1 diderichite
NT1 dolomite
NT1 nahcolite
NT1 shortite
NT1 siderite
NT1 trona
RT calcium carbonates
RT cerium carbonates
RT iron carbonates
RT lanthanum carbonates
RT magnesium carbonates
RT manganese carbonates
RT shales
RT sodium carbonates
RT uranium carbonates

CARBONATE ROCKS
INIS: Dec 1985; ETDE: Aug 1976
(Rocks composed principally of carbonates, usually more than 50% by weight. See also CARBONATE MINERALS.)
*BT1 sedimentary rocks
NT1 limestone
NT2 travertine
RT reservoir rock

CARBONATES
UF+ *bismuth carbonates*
UF+ *curium carbonates*
UF+ *radium carbonates*
UF+ *silver carbonates*
SF *ferroan*
BT1 carbon compounds
BT1 oxygen compounds
NT1 americium carbonates
NT1 ammonium carbonates
NT2 auc
NT1 barium carbonates
NT1 beryllium carbonates
NT1 cadmium carbonates
NT1 calcium carbonates
NT1 cerium carbonates
NT1 cesium carbonates
NT1 cobalt carbonates
NT1 copper carbonates
NT1 erbium carbonates
NT1 europium carbonates
NT1 gadolinium carbonates
NT1 holmium carbonates
NT1 iron carbonates
NT1 lanthanum carbonates
NT1 lead carbonates
NT1 lithium carbonates
NT1 lutetium carbonates
NT1 magnesium carbonates
NT1 manganese carbonates
NT1 molybdenum carbonates
NT1 neodymium carbonates
NT1 neptunium carbonates
NT1 nickel carbonates
NT1 plutonium carbonates
NT1 polycarbonates
NT1 potassium carbonates
NT1 praseodymium carbonates
NT1 rhenium carbonates
NT1 rubidium carbonates
NT1 samarium carbonates
NT1 scandium carbonates
NT1 sodium carbonates
NT1 strontium carbonates
NT1 terbium carbonates
NT1 thallium carbonates
NT1 thorium carbonates
NT1 uranium carbonates
NT1 uranyl carbonates
NT1 ytterbium carbonates
NT1 yttrium carbonates
NT1 zinc carbonates
NT1 zirconium carbonates
RT acid carbonates
RT acid neutralizing capacity

CARBONIC ACID
INIS: Apr 1982; ETDE: May 1977
BT1 carbon compounds
*BT1 inorganic acids
BT1 oxygen compounds

CARBONIC ACID DERIVATIVES
UF+ *guanethidine*
BT1 organic compounds
NT1 carbamates
NT2 dedtc
NT2 urethane
NT1 carbazides
NT1 carbazones
NT2 dithizone
NT1 cyanamides
NT1 cyanates
NT1 dpca
NT1 guanidines
NT2 mibg
NT1 isocyanates
NT1 isonitriles
NT1 isothiocyanates
NT1 meg
NT1 methyl nitrosourea
NT1 phosgene
NT1 semicarbazides
NT1 semicarbazones
NT1 thiocyanates
NT2 ammonium thiocyanates
NT1 thioureas
NT2 aet
NT2 thiourea
NT1 urea
RT carbon oxysulfide

CARBONIC ACID ESTERS
INIS: Apr 2000; ETDE: Dec 1975
UF *propylene carbonate*
*BT1 esters

CARBONIC ANHYDRASE
*BT1 hydro-lyases

CARBONIFEROUS PERIOD
INIS: May 1992; ETDE: Oct 1977
(Prior to April 1990 this material was indexed to MISSISSIPPIAN PERIOD or PENNSYLVANIAN PERIOD.)
UF *mississippian period*
UF *pennsylvanian period*
*BT1 paleozoic era

CARBONITRIDES
INIS: Jan 1982; ETDE: Apr 1975
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 carbon compounds
BT1 nitrogen compounds
RT carbides
RT nitrides

CARBONIUM COMPOUNDS
INIS: Apr 2000; ETDE: Jan 1983
BT1 carbon compounds
RT cations

CARBONIZATION
*BT1 decomposition
NT1 coking
NT1 electrocarbonization
RT clean coke process
RT coalcon process
RT coke ovens
RT consol stirred bed process
RT decarbonization
RT graphitization

carbonyl chloride
Use phosgene

CARBONYL RADICALS
BT1 radicals
RT carbonyls

carbonyl sulfide
Use carbon oxysulfide

CARBONYLATION
INIS: Sep 1981; ETDE: Jul 1978
UF *hydroformylation*
BT1 chemical reactions

CARBONYLS
(Only for compounds of metals with carbonyl radicals.)
RT carbon monoxide
RT carbonyl radicals
RT metals

CARBORANES
INIS: May 1978; ETDE: Jan 1977
BT1 carbon compounds
*BT1 organic boron compounds
RT boranes

CARBOWAX
*BT1 polyethylene glycols
*BT1 waxes

carbox process
Use reprocessing

CARBOXY-LYASES

INIS: Aug 1993; ETDE: Jan 1981
(Code number 4.1.1.)
*BT1 carbon-carbon lyases
NT1 carboxylase
NT1 decarboxylases
NT1 ribulose diphosphate carboxylase

CARBOXYHEMOGLOBIN

INIS: Oct 1984; ETDE: Jul 1976
RT carbon monoxide
RT erythrocytes
RT heme
RT hemoglobin
RT respiration

CARBOXYLASE

*BT1 carboxy-lyases

CARBOXYLATION

BT1 chemical reactions
RT decarboxylation
RT lyases

CARBOXYLESTERASES

INIS: Dec 1986; ETDE: Jan 1981
(Code number 3.1.1.)
*BT1 esterases
NT1 cholinesterase
NT1 lipases

CARBOXYLIC ACID ESTERS

(Prior to March 1997 TARTARIC ACID ESTERS was a valid ETDE descriptor.)
UF *tartaric acid esters*
*BT1 esters
NT1 acetic acid esters
NT2 methyl acetate
NT1 acetoacetic acid esters
NT1 acrylic acid esters
NT1 bromosulfophthalein
NT1 carbamic acid esters
NT1 citric acid esters
NT1 glucoheptonate
NT1 malathion
NT1 methacrylic acid esters
NT1 oxalic acid esters
NT1 phenolphthalein
NT1 retinoic acid
RT carboxylic acids

CARBOXYLIC ACID SALTS

NT1 acetates
NT1 acetoacetates
NT1 acrylates
NT1 carbamates
NT2 dedtc
NT2 urethane
NT1 citrates
NT1 formates
NT1 lactates
NT1 methacrylates
NT1 oxalates
NT1 phthalates
NT1 stearates
NT1 tartrates
NT2 rochelle salt
RT carboxylic acids
RT esters

CARBOXYLIC ACIDS

(ACID HALIDES and TRICARBALLYLIC ACID have been valid ETDE descriptors.)
UF *alkanoic acids*
UF *alkenoic acids*
UF *aromatic acids*
UF *fatty acids*
UF *tricarballylic acid*
UF+ *acid halides*
UF+ *aldehydo acids*
*BT1 organic acids
NT1 amino acids
NT2 alanines
NT3 alanine-alpha
NT4 alanine-l
NT3 alanine-beta
NT2 aminobutyric acid
NT2 aminolevulinic acid
NT2 anthranilic acid
NT2 arginine
NT2 asparagine
NT2 aspartic acid
NT2 betaine
NT2 carnitine
NT2 cdta
NT2 citrulline
NT2 creatine
NT2 cysteine
NT2 cystine
NT2 dcta
NT2 diiodotyrosine
NT2 dopa
NT2 dtpa
NT2 eddha
NT2 edta
NT2 ethionine
NT2 folic acid
NT2 glutamic acid
NT3 pyridoxylideneglutamate
NT2 glutamine
NT2 glycine
NT2 glycylglycine
NT2 hedta
NT2 heida
NT2 hippuric acid
NT2 histidine
NT2 homocysteine
NT2 hydroxyproline
NT2 hydroxytryptophan
NT2 kynurenine
NT2 leucine
NT2 lysine
NT2 methionine
NT2 methyl red
NT2 methyl tyrosine
NT2 mimosine
NT2 mpg
NT2 nta
NT2 ornithine
NT2 paba
NT2 pantothenic acid
NT2 penicillamine
NT2 phenylalanine
NT2 phosphocreatine
NT2 proline
NT2 sarcosine
NT2 serine
NT2 tetaha
NT2 threonine
NT2 thyronine
NT2 thyroxine
NT2 tryptophan
NT2 tyrosine
NT2 valine
NT1 bile acids
NT2 cholic acid
NT1 carminic acid
NT1 dicarboxylic acids
NT2 adipic acid
NT2 fumaric acid
NT2 glutaric acid
NT2 itaconic acid
NT2 maleic acid
NT2 malonic acid
NT2 oxalic acid
NT2 phthalic acid
NT2 sebacic acid
NT2 succinic acid
NT2 terephthalic acid
NT1 egta
NT1 glyoxylic acid
NT1 heterocyclic acids
NT2 bilirubin
NT2 biotin
NT2 histidine
NT2 hydroxyproline
NT2 lysergic acid
NT2 nicotinic acid
NT2 orotic acid
NT2 picolinic acid
NT2 porphyrins
NT3 chlorins
NT3 chlorophyll
NT3 hematoporphyrins
NT3 heme
NT3 hemoglobin
NT4 methemoglobin
NT3 hemosiderin
NT3 myoglobin
NT3 protoporphyrins
NT2 proline
NT2 rhodamines
NT2 thioctic acid
NT2 tryptophan
NT2 urocanic acid
NT1 hydroxy acids
NT2 acetylsalicylic acid
NT2 benzilic acid
NT2 carnitine
NT2 citric acid
NT2 diiodotyrosine
NT2 dopa
NT2 eddha
NT2 eosin
NT2 fluorescein
NT3 erythrosine
NT2 galacturonic acid
NT2 gallic acid
NT2 gibberellic acid
NT2 gluconic acid
NT2 glucuronic acid
NT2 glyceric acid
NT2 glycolic acid
NT2 hedta
NT2 heida
NT2 hydroxyproline
NT2 hydroxytryptophan
NT2 lactic acid
NT2 malic acid
NT2 mandelic acid
NT2 methyl tyrosine
NT2 mevalonic acid
NT2 pantothenic acid
NT2 rose bengal
NT2 salicylic acid
NT2 serine
NT2 shikimic acid
NT2 tartaric acid
NT2 threonine
NT2 thyronine
NT2 tyrosine
NT1 keto acids
NT2 acetoacetic acid
NT2 kynurenine
NT2 levulinic acid
NT2 pyruvic acid
NT1 mellitic acid
NT1 monocarboxylic acids
NT2 abscisic acid
NT2 acetic acid
NT2 acrylic acid
NT2 arachidonic acid
NT2 benzoic acid
NT2 butyric acid
NT2 chlorambucil
NT2 cinnamic acid
NT2 crotonic acid
NT2 decanoic acid

NT2 dodecanoic acid
NT2 eicosanoic acid
NT2 formic acid
NT2 glycolic acid
NT2 heptanoic acid
NT2 hexadecanoic acid
NT2 hexanoic acid
NT2 isobutyric acid
NT2 isovaleric acid
NT2 linoleic acid
NT2 linolenic acid
NT2 methacrylic acid
NT2 nicotinic acid
NT2 nonanoic acid
NT2 octadecanoic acid
NT2 octanoic acid
NT2 oleic acid
NT2 pethidine
NT2 pivalic acid
NT2 propionic acid
NT2 sorbic acid
NT2 tetradecanoic acid
NT2 uronic acids
NT2 valeric acid
NT1 tannic acid
RT alginic acid
RT carboxylic acid esters
RT carboxylic acid salts
RT ketenes
RT metabolites
RT nitriles

carboxypeptidase
Use carboxypeptidases

CARBOXYPEPTIDASES
(Prior to April 1985 the singular form was used.)
UF *carboxypeptidase*
*BT1 peptide hydrolases

carburan
Use bitumens
AND uranium minerals

CARBURETORS
INIS: Apr 2000; ETDE: Oct 1978
BT1 fuel systems
RT fuel-air ratio
RT internal combustion engines
RT spark ignition engines

CARBURETTED WATER GAS
INIS: Apr 2000; ETDE: Jan 1975
(Water gas enriched with gasified hydrocarbon oil.)
*BT1 intermediate btu gas
RT water gas

CARBURIZATION
*BT1 surface hardening
RT decarburization

CARBYNES
INIS: Mar 1983; ETDE: Feb 1982
(Triply bonded allotropes of carbon.)
*BT1 carbon
BT1 radicals
RT reaction intermediates

CARCINOEMBRYONIC ANTIGEN
INIS: Sep 1982; ETDE: Oct 1980
UF *cea (antigen)*
BT1 antigens
RT embryos
RT neoplasms

CARCINOGEN SCREENING
INIS: Apr 2000; ETDE: Jan 1981
UF *screening (carcinogen)*
RT bioassay
RT carcinogenesis
RT carcinogens
RT mutagen screening
RT testing

CARCINOGENESIS
BT1 pathogenesis
NT1 leukemogenesis
RT carcinogen screening
RT carcinogens
RT dna adducts
RT neoplasms
RT oncogenes
RT oncogenic transformations
RT oncogenic viruses

CARCINOGENS
UF+ *cycasin*
RT acetylaminofluorenes
RT carcinogen screening
RT carcinogenesis
RT dimethylbenzanthracene
RT dna adducts
RT environmental exposure
RT mutagens
RT neoplasms
RT nitrosamines
RT occupational exposure
RT oncogenic transformations
RT phorbol esters
RT polycyclic aromatic hydrocarbons
RT radiation equivalence
RT radiomimetic drugs
RT teratogens
RT tumor promoters

CARCINOMAS
UF *adenocarcinomas*
UF *pulmonary cancer*
UF+ *bronchogenic carcinoma*
UF+ *uterine cervix carcinoma*
*BT1 neoplasms
NT1 adenomas
NT1 angiomas
NT1 epitheliomas
NT2 melanomas
NT1 hepatomas
RT epithelium

card punches
See data processing

CARDIAC GLYCOSIDES
INIS: Mar 2000; ETDE: Apr 1981
UF *cardiotonic glycosides*
*BT1 cardiotonics
*BT1 glycosides
NT1 digitalis glycosides
NT2 digitoxin
NT2 digoxin
NT1 strophanthins
NT2 ouabain

cardiac output
Use blood circulation

CARDIAC PACEMAKERS
UF *pacemakers*
RT artificial organs
RT electric batteries
RT heart
RT mechanical heart
RT prostheses
RT radioisotope batteries

CARDIOGRAPHY
BT1 diagnostic techniques
NT1 radiocardiography
RT blood circulation
RT blood pressure
RT electrocardiograms
RT heart

CARDIOLIPIN
*BT1 phospholipids

cardiopulmonary resuscitation
Use first aid

cardiotonic glycosides
Use cardiac glycosides

CARDIOTONICS
UF *strophanthin*
*BT1 cardiovascular agents
NT1 adrenaline
NT1 cardiac glycosides
NT2 digitalis glycosides
NT3 digitoxin
NT3 digoxin
NT2 strophanthins
NT3 ouabain
NT1 dopamine
NT1 noradrenaline
RT heart
RT steroids

CARDIOVASCULAR AGENTS
INIS: May 1984; ETDE: Apr 1981
BT1 drugs
NT1 antihypertensive agents
NT2 reserpine
NT1 cardiotonics
NT2 adrenaline
NT2 cardiac glycosides
NT3 digitalis glycosides
NT4 digitoxin
NT4 digoxin
NT3 strophanthins
NT4 ouabain
NT2 dopamine
NT2 noradrenaline
NT1 vasoconstrictors
NT2 angiotensin
NT2 ephedrine
NT1 vasodilators
NT2 dipyridamole
NT2 theobromine
NT2 theophylline
RT blood vessels
RT cardiovascular diseases
RT cardiovascular system
RT heart
RT vasoconstriction
RT vasodilation

CARDIOVASCULAR DISEASES
UF *heart disease*
BT1 diseases
NT1 arteriosclerosis
NT1 hypertension
NT1 ischemia
NT1 myocardial infarction
NT1 nephrosclerosis
NT1 telangiectasis
NT1 thrombosis
RT cardiovascular agents
RT cardiovascular system
RT emboli
RT heart failure
RT vascular diseases

CARDIOVASCULAR SYSTEM
NT1 blood vessels
NT2 arteries
NT3 aorta
NT3 carotid arteries
NT3 cerebral arteries
NT3 coronaries
NT2 capillaries
NT2 veins

NT3 portal system
NT1 heart
NT2 myocardium
NT2 pericardium
RT blood circulation
RT blood pressure
RT cardiovascular agents
RT cardiovascular diseases
RT lymphatic system
RT organs

CARGO
INIS: Jun 1992; ETDE: Nov 1979
UF *freight*
RT materials handling
RT transport

CARIBBEAN SEA
*BT1 atlantic ocean
NT1 gulf of mexico
NT2 galveston bay
NT2 san antonio bay
RT west indies

caribou
Use deer

CARIES
INIS: Sep 1975; ETDE: Oct 1975
BT1 pathological changes
RT dentistry
RT teeth

carl still process
Use desulfurization

carlson method
Use discrete ordinate method

carlton power reactor
Use kewaunee reactor

CARMINIC ACID
*BT1 anthraquinones
*BT1 carboxylic acids
*BT1 hydroxy compounds
RT dyes

CARNALLITE
*BT1 halide minerals
RT magnesium chlorides
RT potassium chlorides

CARNATIONS
*BT1 magnoliopsida

CARNITINE
UF *novain*
UF *vitamin b-t*
*BT1 amino acids
*BT1 hydroxy acids
*BT1 vitamin b group
RT betaine

CARNOT CYCLE
BT1 thermodynamic cycles
RT thermodynamics

CARNOTITE
*BT1 uranium minerals
RT uranium vanadates

carolina power light robinson-2 reactor
Use robinson-2 reactor

carolinas virginia tube reactor
Use cvtr reactor

carotenes
Use carotenoids

CAROTENOIDS
UF *carotenes*
*BT1 hydrocarbons
BT1 pigments
*BT1 terpenes
RT vitamin a
RT vitamins

CAROTID ARTERIES
*BT1 arteries
RT head
RT neck

CARPENTER
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium-nickel steels

carpetbag event
Use nuclear explosions
AND underground explosions

carpocapsa pomonella
Use codling moth

CARPOOLING
INIS: Apr 2000; ETDE: Apr 1976
SF *ridesharing*
NT1 vanpooling
RT automobiles
RT energy conservation
RT land transport
RT roads
RT transportation systems

CARRIER DENSITY
UF *density (carrier)*
RT charge carriers
RT current density

CARRIER-FREE ISOTOPES
BT1 isotopes
RT labelled compounds
RT labelling
RT radioisotopes
RT trace amounts

CARRIER LIFETIME
BT1 lifetime
RT charge carriers

CARRIER MOBILITY
BT1 mobility
RT charge carriers
RT electric conductivity
RT electron transfer

CARRIERS
(Not for CHARGE CARRIERS.)
RT liposomes
RT radioisotopes
RT radionuclide kinetics
RT stable isotopes

carrizo mountains
Use mountains

CARROTS
*BT1 magnoliopsida
*BT1 vegetables

cars
Use automobiles

cars (spectroscopy)
Use raman spectroscopy

CARTELS
INIS: Sep 1980; ETDE: Sep 1977
(Voluntary, often international, combinations of independent private enterprises supplying like commodities or services that agree to limit their competitive activities.)
RT competition
RT embargoes
RT market
RT monopolies
RT opec
RT trade

CARTESIAN COORDINATES
BT1 coordinates

CARTILAGE
UF+ *disks (intervertebral)*
UF+ *intervertebral disks*
*BT1 connective tissue
RT bone joints

casaccia rana reactor
Use rana reactor

casaccia rospo reactor
Use rospo reactor

cascade (extraction)
Use extraction columns

CASCADE IMPACTORS
RT aerosol monitoring
RT air pollution monitors
RT air samplers

CASCADE MOUNTAINS
INIS: Jun 1992; ETDE: Sep 1982
BT1 mountains
NT1 mt baker
NT1 mt hood
NT1 mt st helens
RT california
RT oregon
RT sierra nevada colorado
RT washington

CASCADE REACTORS
INIS: Oct 1986; ETDE: May 1984
(A conceptual inertial confinement fusion reactor which uses a replenished layer of granules for wall protection, heat exchange, and fuel production.)
*BT1 laser fusion reactors
RT icf devices

CASCADE SHOWERS
BT1 showers
RT cascade theory
RT cosmic showers

CASCADE SOLAR CELLS
INIS: May 1992; ETDE: Jul 1981
UF *graded band gap solar cells*
*BT1 solar cells
RT graded band gaps

CASCADE THEORY
RT cascade showers
RT gamma cascades

cascades (nuclear)
Use nuclear cascades

CASE LAW
INIS: Dec 1976; ETDE: Jun 1977
BT1 laws

CASE METHOD
BT1 calculation methods
RT transport theory

CASEIN
*BT1 organic phosphorus compounds
*BT1 proteins

CASIMIR EFFECT
INIS: May 1986; ETDE: Nov 1986
(Attractive force between two uncharged, conducting, parallel plates due to vacuum fluctuations of the electromagnetic field, i.e. quantum electromagnetic zero-point energy.)
UF *casimir force*
RT electric fields
RT vacuum polarization

casimir force
Use casimir effect

CASIMIR OPERATORS
BT1 mathematical operators
RT symmetry groups

casings
Use coverings

casings (well)
Use well casings

CASKS
UF *flasks*
UF *fuel casks*
BT1 containers
NT1 spent fuel casks

CASPIAN SEA
INIS: Jan 1976; ETDE: Sep 1975
*BT1 lakes
*BT1 seas
RT azerbaijan
RT iran
RT kazakhstan
RT russian federation
RT turkmenistan

CASSAVA
UF *manioc*
*BT1 magnoliopsida
RT food

CASSEGRAINIAN CONCENTRATORS
INIS: Apr 2000; ETDE: Mar 1981
(Solar concentrators consisting of a paraboloidal primary reflector and a confocal hyperboloidal secondary reflector.)
*BT1 solar concentrators
RT parabolic reflectors

CAST IRON
*BT1 carbon additions
*BT1 iron base alloys
*BT1 silicon alloys
RT iron carbides
RT pearlite

CAST METHOD
INIS: Apr 2000; ETDE: Feb 1980
(Capillary action shaping technique for ribbon crystal growth.)
UF *capillary action shaping technique*
BT1 crystal growth methods
RT crystal growth
RT efg method
RT sheets

CASTAGNOLI FORMULA
RT angular distribution

caste (insects)
Use insects
AND occupations
AND populations

castillejo-dalitz-dyson poles
Use cdd poles

CASTING
BT1 fabrication
NT1 electroslag casting
NT1 slip casting
NT1 vacuum casting
RT casting molds
RT castings
RT crucibles
RT dies
RT foundries
RT materials working
RT melting
RT molding

CASTING MOLDS
UF *molds (casting)*
RT casting
RT castings
RT dies
RT molding

CASTINGS
INIS: Jan 1977; ETDE: May 1975
UF *metal castings*
RT casting
RT casting molds
RT degassing
RT inclusions
RT machine parts
RT solidification

CASTLE PROJECT
UF *project castle*
*BT1 nuclear explosions
RT atmospheric explosions
RT bikini
RT nuclear weapons
RT surface explosions
RT thermonuclear explosions

CASTOR
UF *ricinum communis*
*BT1 euphorbia
*BT1 medicinal plants
RT castor oil

CASTOR OIL
*BT1 vegetable oils
RT castor

CASTOR TOKAMAK
INIS: May 1987; ETDE: Jun 1987
(Institute of Plasma Physics, Czech Academy of Sciences, Prague)
*BT1 tokamak devices

CASTRATION
*BT1 surgery
RT androgens
RT estrogens
RT gonads
RT reproductive disorders
RT therapy

cat-ox process
Use desulfurization

CAT SCANNING
INIS: Jan 1978; ETDE: Mar 1978
(Computerized Axial Tomography scanning.)
UF *computer axial tomography scanning*
UF *ct scanning*
*BT1 computerized tomography
RT biomedical radiography
RT image processing

CATABOLISM
BT1 metabolism
RT decomposition
RT glycolysis
RT proteolysis

catacarb carbon dioxide removal process
Use desulfurization

catacarb process
Use desulfurization

cataclysmic binary stars
Use eruptive variable stars

cataclysmic variable stars
Use eruptive variable stars

CATAGENESIS
INIS: Apr 2000; ETDE: Aug 1977
(Changes in a sedimentary rock caused by pressure-temperature conditions quite different from those of deposition; as opposed to diagenesis in which burial depth is slight and temperature close to that of deposition temperature.)
RT diagenesis
RT origin
RT sediments

CATALASE
*BT1 peroxidases

CATALOGS
INIS: Apr 1984; ETDE: Jan 1978
(Until June 1994 this concept was indexed to INDEXES)
BT1 document types
RT directories

CATALYSIS
NT1 heterogeneous catalysis
NT1 homogeneous catalysis
RT catalysts
RT catalytic converters
RT catalytic cracking
RT catalytic effects
RT chemical reaction kinetics
RT chemical reactions
RT coenzymes
RT electrocatalysts
RT enzyme activity
RT enzymes
RT inhibition
RT selective catalytic reduction
RT ziegler catalyst

CATALYST SUPPORTS
INIS: Jan 1992; ETDE: Jun 1978
UF *supports (catalyst)*
RT catalysts
RT substrates
RT supports

CATALYSTS
NT1 electrocatalysts
NT1 ziegler catalyst
RT additives
RT catalysis
RT catalyst supports
RT catalytic combustors
RT catalytic converters
RT promoters

CATALYTIC COMBUSTORS
INIS: Apr 2000; ETDE: Apr 1978
(Combustors which contain catalysts to increase efficiency and/or to reduce the emission of harmful gaseous pollutants.)
BT1 combustors
RT air pollution control
RT catalysts

RT pollution control equipment

CATALYTIC CONVERTERS
INIS: Dec 1991; ETDE: Apr 1975
(Air pollution control devices using a catalytic reaction to change gaseous effluents to harmless gases.)
*BT1 pollution control equipment
RT air pollution control
RT automobiles
RT catalysis
RT catalysts
RT exhaust gases

CATALYTIC CRACKING
INIS: Jan 1992; ETDE: Dec 1976
*BT1 cracking
RT catalysis
RT hydrocracking
RT thermal cracking

CATALYTIC EFFECTS
INIS: Jan 1992; ETDE: Jan 1975
RT catalysis
RT electrocatalysts

CATALYTIC HYDROSOLVATION PROCESS
INIS: Apr 2000; ETDE: Aug 1978
(Coal is impregnated with catalysts (zinc chloride, stannous chloride, and ammonium molybdate), slurried with oil, and hydrogenated under hydrogen pressures up to 4000 psi at 400 to 500 degrees C.)
*BT1 coal liquefaction
RT desulfurization

catalytic-ifp ammonia scrubbing process
Use desulfurization

CATALYTIC REFORMING
INIS: Apr 2000; ETDE: Jan 1979
(Catalytic aromatization of the paraffins and naphthenes of a naphtha to a liquid.)
*BT1 reformer processes
RT refining

catalytic rich gas process
Use crg processes

cataphoresis
Use electrophoresis

catapleite
Use silicate minerals

CATARACTS
UF *eye cataracts*
*BT1 sense organs diseases
RT crystalline lens

CATAWBA-1 REACTOR
(York County, South Carolina, USA)
*BT1 pwr type reactors

CATAWBA-2 REACTOR
(York County, South Carolina, USA)
*BT1 pwr type reactors

catchment basins
Use watersheds

catechol
Use pyrocatechol

CATECHOLAMINES
*BT1 amines
*BT1 polyphenols
RT pyrocatechol

cathepsin
Use cathepsins

CATHEPSINS
(Code number 3.4.22.1.)
UF *cathepsin*
*BT1 sh-proteinases

CATHODE FOLLOWERS
BT1 electronic circuits
RT pulse amplifiers

CATHODE RAY TUBE DIGITIZERS
UF *pepr devices*
*BT1 digitizers

CATHODE RAY TUBES
BT1 electron tubes
RT display devices
RT electron scanning
RT image tubes
RT oscillographs

CATHODE SPUTTERING
BT1 sputtering
RT physical vapor deposition
RT vapor plating

CATHODES
BT1 electrodes
NT1 hollow cathodes
NT1 photocathodes
RT cathodoluminescence
RT electron tubes
RT thermionic emitters

CATHODIC PROTECTION
INIS: Apr 1984; ETDE: Mar 1977
(Until October 1999 this concept was indexed by CORROSION PROTECTION.)
BT1 corrosion protection
RT electrochemical corrosion
RT pitting corrosion

CATHODOLUMINESCENCE
(Cathode-ray-excited emission)
*BT1 luminescence
RT cathodes
RT emission spectroscopy

cation exchange capacity
Use cations
AND ion exchange

CATIONS
UF *positive ions*
UF+ *cation exchange capacity*
*BT1 ions
NT1 hydrogen ions 1 plus
NT1 hydrogen ions 2 plus
NT1 hydrogen ions 3 plus
RT carbonium compounds
RT chemical state
RT electrolysis
RT ion beams
RT ion exchange materials

CATS
*BT1 mammals

CATTAILS
INIS: Dec 1991; ETDE: Nov 1980
*BT1 liliopsida
RT aquatic ecosystems
RT biomass
RT marshes

CATTENOM-1 REACTOR
INIS: Jul 1984; ETDE: Sep 1984
*BT1 pwr type reactors

CATTENOM-2 REACTOR
INIS: Jul 1984; ETDE: Sep 1984
*BT1 pwr type reactors

CATTENOM-3 REACTOR
INIS: Jul 1984; ETDE: Sep 1984
*BT1 pwr type reactors

CATTENOM-4 REACTOR
INIS: Jul 1984; ETDE: Sep 1984
*BT1 pwr type reactors

CATTLE
UF *bovine*
*BT1 domestic animals
*BT1 ruminants
NT1 calves
NT1 cows
RT forage
RT gramineae
RT meat
RT pastures

CAUCASUS
INIS: Apr 2000; ETDE: Jun 1978
RT armenia
RT azerbaijan
RT republic of georgia
RT russian federation

CAUCHY PROBLEM
RT boundary conditions
RT boundary-value problems
RT partial differential equations

cauliflower
Use brassica

caulking
See air infiltration
OR seals
OR weatherization

CAUSALITY
RT quantum mechanics
RT schwinger source theory

CAUSTIC FLOODING
INIS: Apr 2000; ETDE: Oct 1978
(Injection of alkaline solution to enhance recovery of residual petroleum.)
UF *alkaline flooding*
*BT1 waterflooding
RT enhanced recovery

CAVES
BT1 cavities
RT geologic fissures
RT openings
RT rock caverns
RT salt caverns

CAVING
INIS: Sep 1992; ETDE: Jun 1979
RT strata control
RT strata movement
RT underground mining

CAVING MINING
INIS: Apr 2000; ETDE: Jan 1979
*BT1 underground mining

CAVITATION
UF *column separation (fluid mechanics)*
RT fluid flow

CAVITIES
(From November 1976 till March 1997 UNDERGROUND SPACE was a valid ETDE descriptor.)
SF *underground space*

NT1 boreholes
NT1 caves
NT1 craters
NT1 rock caverns
NT1 salt caverns
NT1 sinuses
RT chimneys
RT crystal defects
RT excavation
RT mine shafts
RT nuclear explosions
RT openings
RT underground explosions
RT underground storage
RT voids
RT water influx

cavity ionization chambers
Use bragg gray chambers

CAVITY RECEIVERS
INIS: Apr 2000; ETDE: Sep 1979
BT1 solar receivers

CAVITY RESONATORS
UF *resonance cavities*
*BT1 resonators
NT1 superconducting cavity resonators
RT cyclic accelerators
RT microwave equipment
RT rf systems
RT tuning

cba (brookhaven colliding beam accelerator)
Use isabelle storage rings

cba process
Use desulfurization

ccba
Use coupled channel born approximation

ccd
Use charge-coupled devices

ccms
Use international organizations

cd-4mcu
Use steel-cd-4mcu

CDC COMPUTERS
BT1 computers
RT supercomputers

CDD POLES
UF *castillejo-dalitz-dyson poles*
RT dispersion relations
RT partial waves

cdf
Use fermilab collider detector

CDFR REACTOR
INIS: Sep 1979; ETDE: Oct 1979
UF *commercial demonstration fast reactor*
*BT1 lmfbr type reactors
*BT1 power reactors
*BT1 sodium cooled reactors

CDTA
(Cyclohexylenedinitrilotetraacetic acid)
UF *cyclohexylenedinitrilotetraacetic acid*
*BT1 amino acids
BT1 chelating agents

CDTE SEMICONDUCTOR DETECTORS
UF *cadmium telluride detectors*
*BT1 semiconductor detectors

CDX-U SPHEROMAK
INIS: Jul 1999; ETDE: Sep 1999
(Current Drive Experiment Upgrade, Princeton Plasma Physics Laboratory, USA.)
*BT1 spheromak devices

CE ENTRAINED FUEL PROCESS
INIS: Apr 2000; ETDE: May 1977
(Process using a low pressure, air-blown entrained gasifier with two points of coal feed that can be modified to operate under pressure and with oxygen blowing.)
UF *combustion engineering gasification process*
*BT1 coal gasification
RT entrainment

ce lummus cffc process
Use coal liquefaction

CE STANDARD REACTOR
INIS: Oct 1975; ETDE: Jan 1975
(Prior to 1975, PWR/80 TYPE REACTORS was used.)
UF *combustion engineering standard reactor*
UF *pwr/80 type reactors*
*BT1 pwr type reactors
RT palo verde-1 reactor
RT palo verde-2 reactor
RT palo verde-3 reactor
RT palo verde-4 reactor
RT palo verde-5 reactor

CEA
UF *commissariat a l'energie atomique*
*BT1 french organizations
NT1 cea bruyeres-le-chatel
NT1 cea cadarache
NT1 cea fontenay-aux-roses
NT1 cea grenoble
NT1 cea la hague
NT1 cea marcoule
NT1 cea pierrelatte
NT1 cea saclay
RT france

cea (accelerator)
Use cambridge electron accelerator

cea (antigen)
Use carcinoembryonic antigen

CEA-ADL DUAL ALKALI PROCESS
INIS: Apr 2000; ETDE: Jun 1978
(Flue gas is passed through an absorption section where sulfur dioxide, chlorides, and sulfur trioxide are removed via contact with a solution of sodium salts. The sodium/sulfur salts are reacted with hydrated lime in a special 2-stage reactor to regenerate the sodium. Calcium/sulfur solids produced are separated from the liquor containing regenerated sodium compounds and disposed of. The regenerated liquor is recirculated to the absorption section.)
UF *limestone dual alkali desulfurization process*
*BT1 desulfurization
RT waste processing

CEA BRUYERES-LE-CHATEL
INIS: Dec 1989; ETDE: Jan 1990
*BT1 cea

CEA CADARACHE
UF *cadarache (cea)*
*BT1 cea

CEA FONTENAY-AUX-ROSES
UF *fontenay-aux-roses (cea)*
*BT1 cea

CEA GRENOBLE
*BT1 cea

CEA LA HAGUE
*BT1 cea
*BT1 fuel reprocessing plants

CEA MARCOULE
UF *marcoule (cea)*
*BT1 cea

CEA PIERRELATTE
UF *pierrelatte (cea)*
*BT1 cea

CEA SACLAY
UF *saclay (cea)*
*BT1 cea

CEBAF ACCELERATOR
INIS: May 1987; ETDE: Jun 1987
(Continuous Electron Beam Accelerator Facility.)
UF *jefferson laboratory*
UF *thomas jefferson national accelerator facility*
*BT1 linear accelerators

CEDAR COMPUTERS
INIS: Apr 2000; ETDE: Apr 1987
RT array processors
RT parallel processing
RT supercomputers
RT vector processing

CEDARS
INIS: Jan 1992; ETDE: Dec 1985
UF *junipers*
UF *juniperus*
*BT1 conifers
*BT1 trees

cef-or reactor
Use or-cef reactor

CEFR REACTOR
INIS: Feb 2000; ETDE: Nov 1999
(Beijing, China)
UF *china experimental fast reactor*
*BT1 experimental reactors
*BT1 fast reactors

CEILING FANS
INIS: Apr 2000; ETDE: Mar 1982
RT air conditioning
RT blowers
RT cooling systems
RT ventilation

CEILINGS
INIS: Apr 2000; ETDE: Sep 1975
RT buildings

CELESTIN REACTOR
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 tritium production reactors

CELL CONSTITUENTS
UF *organelles*
UF *subcellular organelles*
NT1 cell membranes
NT2 myelin
NT1 cell nuclei
NT2 nucleoli
NT1 cell wall

NT1 chloroplasts
NT1 cytoplasm
NT1 endoplasmic reticulum
NT2 sarcoplasmic reticulum
NT1 golgi complexes
NT1 microtubules
NT1 mitochondria
NT1 phycobilisomes
NT1 plasmids
NT1 ribosomes
NT2 microsomes
RT animal cells
RT cytological techniques
RT cytology
RT liposomes
RT phagocytosis
RT plant cells
RT post-translation modification
RT subcellular distribution
RT tissue extracts
RT ultracentrifugation
RT ultrastructural changes

CELL CULTURES
UF *cultures (cells)*
NT1 clone cells
NT1 synchronous cultures
RT animal cells
RT biotechnology
RT cho cells
RT cloning
RT colony formation
RT culture media
RT hybridomas
RT in vitro
RT methanotrophic bacteria
RT microorganisms
RT mutagen screening
RT plant cells
RT tissue cultures
RT tumor cells

CELL CYCLE
RT cell division
RT concanavalin a
RT dna replication
RT replicons
RT synchronization
RT synchronous cultures

CELL DIFFERENTIATION
RT apoptosis
RT blood formation
RT gene amplification
RT genetic engineering
RT growth factors
RT ontogenesis

CELL DIVISION
NT1 meiosis
NT1 mitosis
RT cell cycle
RT cell proliferation
RT gametogenesis
RT healing
RT in vivo
RT mitogens
RT non-disjunction

CELL FLOW SYSTEMS
INIS: Sep 1977; ETDE: Aug 1976
(Fluid flow devices in which a stream of individual cells from biological cell samples flow through a chamber enabling the screening of cytological material.)
UF *flow cytometers*
RT animal cells
RT chromosome sorting
RT cytological techniques
RT cytology
RT plant cells

cell growth (animal)
Use animal cells
AND growth

cell growth (plant)
Use growth
AND plant cells

CELL KILLING
RT apoptosis
RT death

CELL MEMBRANES
BT1 cell constituents
BT1 membranes
NT1 myelin
RT cell wall
RT golgi complexes
RT membrane pores
RT radioreceptor assay
RT subcellular distribution

CELL NUCLEI
UF *nuclei (cells)*
BT1 cell constituents
NT1 nucleoli
RT chromatin
RT chromosomes
RT human chromosomes
RT nucleic acids
RT subcellular distribution

CELL PROLIFERATION
UF *proliferation (cell)*
RT cell division
RT cloning
RT concanavalin a
RT growth factors
RT in vivo
RT phytohemagglutinin
RT replicons

cell recycle
See anaerobic digestion
OR fermentation

CELL TRANSFORMATIONS
INIS: Feb 1987; ETDE: Nov 1985
NT1 oncogenic transformations
RT viral diseases

CELL WALL
UF *walls (cell)*
BT1 cell constituents
RT cell membranes
RT plant cells

cellars
Use basements

CELLOBIOSE
*BT1 disaccharides

CELLOPHANE
*BT1 polysaccharides
RT cellulose

CELLOSOLVES
UF *glycol monoalkyl ethers*
*BT1 ethers
*BT1 glycols
*BT1 organic solvents

cells (animal)
Use animal cells

cells (bacterial)
Use bacteria

cells (electrolytic)
Use electrolytic cells

cells (immobilized)
See immobilized cells

cells (plant)
Use plant cells

cells (reactor)
Use reactor cells

CELLULASE
INIS: Feb 1983; ETDE: Jan 1981
(Code number 3.2.1.4.)
UF *cellulases*
UF+ *cellulolytic activity*
*BT1 o-glycosyl hydrolases
RT enzymatic hydrolysis

cellulases
Use cellulase

CELLULOID
RT camphor
RT cellulose esters
RT nitrocellulose

cellulolytic activity
Use cellulase
AND enzymatic hydrolysis

CELLULOSE
UF+ *ethocel*
*BT1 polysaccharides
RT bagasse
RT biomass
RT cellophane
RT cellulose esters
RT delignification
RT hemicellulose
RT polyacetals
RT rayon

CELLULOSE ESTERS
*BT1 esters
NT1 nitrocellulose
RT celluloid
RT cellulose

CELSIUS STORAGE RING
INIS: Jul 1986; ETDE: Aug 1989
BT1 storage rings
RT uppsala synchrocyclotron

celtic sea
Use irish sea

CEMENT INDUSTRY
INIS: Sep 1994; ETDE: Jul 1977
BT1 industry
RT cements
RT portland cement

cemented carbides
Use cermets

CEMENTING
INIS: Jan 1986; ETDE: Aug 1981
RT bonding
RT cements
RT compacting
RT grouting
RT plugging
RT seals
RT well casings
RT well completion

CEMENTITE
(A compound, Fe3C, occurring as lamellae in steel.)
*BT1 intermetallic compounds

*BT1 iron carbides
RT martensite
RT pearlite
RT steels

CEMENTS
*BT1 building materials
NT1 gypsum cements
NT1 portland cement
RT cement industry
RT cementing
RT concretes
RT grouting
RT mortars
RT plugging agents

CENNA
INIS: Feb 1989; ETDE: Mar 1989
(Convention on Early Notification of a Nuclear Accident.)
UF *convention on early notification of nuclear accident*
UF *early notification convention*
*BT1 international agreements
RT iaea
RT reactor accidents

CENOZOIC ERA
INIS: Apr 1992; ETDE: Oct 1977
BT1 geologic ages
NT1 quaternary period
NT2 pleistocene epoch
NT1 tertiary period
NT2 eocene epoch
NT2 miocene epoch
NT2 pliocene epoch

CENTAURO-TYPE EVENTS
INIS: Jul 1992; ETDE: Aug 1979
(Cosmic-ray events of high hadron multiplicity without associated neutral pions.)
RT cosmic radiation
RT cosmic showers
RT extensive air showers
RT fireball model
RT hadrons
RT multiple production
RT nuclear matter
RT particle interactions
RT quarks

CENTER-OF-MASS SYSTEM
UF *centre-of-mass system*
RT coordinates
RT laboratory system
RT longitudinal momentum
RT lorentz transformations
RT mechanics
RT scattering
RT transverse momentum

CENTRAL AFRICAN REPUBLIC
BT1 africa
BT1 developing countries

CENTRAL AMERICA
(Prior to July 1996 PANAMA CANAL ZONE was a valid ETDE descriptor.)
UF *panama canal zone*
BT1 latin america
NT1 belize
NT1 costa rica
NT1 el salvador
NT1 guatemala
NT1 honduras
NT1 nicaragua
NT1 panama

CENTRAL HEATING PLANTS
INIS: Jan 1978; ETDE: Feb 1975
RT district cooling
RT district heating
RT mius
RT solar district heating
RT space heating
RT steam generation plants

central intelligence agency
Use us cia

CENTRAL NERVOUS SYSTEM
BT1 nervous system
NT1 brain
NT2 cerebellum
NT2 cerebrum
NT3 cerebral cortex
NT2 hippocampus
NT2 hypothalamus
NT2 olfactory bulbs
NT2 thalamus
NT1 spinal cord
RT behavior
RT central nervous system agents
RT central nervous system depressants
RT cerebrospinal fluid
RT meninges
RT rabies
RT radiation syndrome
RT receptors

CENTRAL NERVOUS SYSTEM AGENTS
INIS: May 1984; ETDE: Apr 1981
BT1 drugs
NT1 analeptics
NT2 amphetamines
NT3 benzedrine
NT2 caffeine
NT1 central nervous system depressants
NT2 analgesics
NT3 acetylsalicylic acid
NT3 antipyrine
NT3 codeine
NT3 opium
NT4 morphine
NT5 thebaine
NT3 pethidine
NT2 anesthetics
NT3 barbiturates
NT4 nembutal
NT4 phenobarbital
NT3 cocaine
NT3 procaine
NT2 anticonvulsants
NT3 phenobarbital
NT2 antipyretics
NT3 acetylsalicylic acid
NT3 antipyrine
NT3 colchicine
NT3 quinine
NT2 hypnotics and sedatives
NT3 barbiturates
NT4 nembutal
NT4 phenobarbital
NT3 chlorpromazine
NT3 codeine
NT3 reserpine
NT2 narcotics
NT3 heroin
NT3 methadone hydrochloride
NT3 opium
NT4 morphine
NT5 thebaine
NT3 pethidine
NT1 psychotropic drugs
NT2 antidepressants
NT3 cocaine
NT3 imipramine
NT2 hallucinogens
NT3 bufotenine
NT2 tranquilizers
NT3 chlorpromazine
NT3 reserpine
RT behavior
RT central nervous system
RT mental disorders

CENTRAL NERVOUS SYSTEM DEPRESSANTS
INIS: May 1984; ETDE: Apr 1981
UF *cns depressants*
UF *depressants (central nervous system)*
*BT1 central nervous system agents
NT1 analgesics
NT2 acetylsalicylic acid
NT2 antipyrine
NT2 codeine
NT2 opium
NT3 morphine
NT4 thebaine
NT2 pethidine
NT1 anesthetics
NT2 barbiturates
NT3 nembutal
NT3 phenobarbital
NT2 cocaine
NT2 procaine
NT1 anticonvulsants
NT2 phenobarbital
NT1 antipyretics
NT2 acetylsalicylic acid
NT2 antipyrine
NT2 colchicine
NT2 quinine
NT1 hypnotics and sedatives
NT2 barbiturates
NT3 nembutal
NT3 phenobarbital
NT2 chlorpromazine
NT2 codeine
NT2 reserpine
NT1 narcotics
NT2 heroin
NT2 methadone hydrochloride
NT2 opium
NT3 morphine
NT4 thebaine
NT2 pethidine
RT anesthesia
RT behavior
RT central nervous system
RT endorphins
RT sleep

central nervous system stimulants
Use analeptics

central nuclear de zorita-1
Use zorita-1 reactor

central nuclear en atucha reactor
Use atucha reactor

CENTRAL POTENTIAL
BT1 potentials
RT coulomb field

central receiver power plants
Use tower focus power plants

CENTRAL RECEIVER TEST FACILITY
INIS: Apr 2000; ETDE: Nov 1980
(DOE's test facility at Sandia Laboratories.)
UF *solar thermal test facility*
BT1 test facilities
RT central receivers
RT heliostats
RT tower focus collectors
RT tower focus power plants

CENTRAL RECEIVERS
INIS: Jan 1993; ETDE: May 1976
UF *solar central receivers*
BT1 solar receivers
RT advanced components test facility
RT boilers
RT central receiver test facility
RT solar collectors
RT tower focus power plants

central region
Use usa

CENTRALLY PLANNED ECONOMIES
INIS: Dec 1982; ETDE: Dec 1979
(Includes the economies of the countries in the list below.)
RT albania
RT bulgaria
RT china
RT economic development
RT economic policy
RT mongolian peoples republic
RT national government
RT nationalization
RT north korea
RT romania
RT viet nam

centre-of-mass system
Use center-of-mass system

centrifugal contactors
Use extraction apparatuses

CENTRIFUGAL FAST ANALYZERS
INIS: Apr 2000; ETDE: Jun 1975
RT chemical analysis

CENTRIFUGAL PUMPS
INIS: Jun 1994; ETDE: Sep 1979
*BT1 pumps

centrifugal separators
Use inertial separators

CENTRIFUGATION
BT1 separation processes
NT1 gas centrifugation
NT1 ultracentrifugation
RT centrifuge enrichment plants
RT isotope separation
RT podbielniak contactors
RT sedimentation
RT ultracentrifuges

CENTRIFUGE ENRICHMENT PLANTS
INIS: Feb 1978; ETDE: May 1976
UF *enrichment plants (centrifuge)*
UF *enrichment plants (ultracentrifuge)*
UF *ultracentrifuge enrichment plants*
*BT1 isotope separation plants
NT1 portsmouth centrifuge enrichment plant
RT centrifugation
RT gas centrifugation
RT ultracentrifugation

CENTRIFUGES
BT1 concentrators
NT1 gas centrifuges
NT1 plasma centrifuges
NT1 ultracentrifuges

centro informazioni studi esperienze
Use cise

centro studi nucleari enrico fermi reactor
Use cesnef reactor

CENTROMERES
INIS: Jan 1995; ETDE: Jan 1995
(Specialized portions of chromosomes used as anchoring points to secure chromosomes during cell division.)
RT chromatin
RT chromosomes
RT mitosis

cepfr-1 reactor
Use zero power reactors

cephalins
Use amines
AND phospholipids

CEPHEIDS
*BT1 pulsating variable stars

CERAMIC MELTERS
INIS: Feb 1981; ETDE: Jan 1980
(An electric furnace for vitrifying liquid or calcined high-level radioactive wastes.)
UF *glass melters*
*BT1 electric furnaces
RT high-level radioactive wastes
RT liquid wastes
RT radioactive waste processing
RT solidification
RT vitrification

CERAMICS
RT borides
RT carbides
RT ceramics industry
RT ceramography
RT cermets
RT clays
RT dielectric track detectors
RT enamels
RT glass
RT glazes
RT mixed nitride fuels
RT mixed oxide fuels
RT nitrides
RT oxides
RT porcelain
RT pzt
RT refractories
RT slip casting

CERAMICS INDUSTRY
INIS: May 1992; ETDE: Nov 1977
BT1 industry
RT ceramics
RT metal industry
RT mineral industry

CERAMOGRAPHY
INIS: Aug 1978; ETDE: Oct 1978
(Methods for the characterization of microstructural features and stereometric and topologic parameters of ceramic materials including sample preparation techniques.)
RT autoradiography
RT ceramics
RT cracks
RT electron microprobe analysis
RT etching
RT fractography
RT materials testing
RT microhardness
RT microscopy
RT microstructure
RT particle size
RT photomicrography
RT porosity
RT post-irradiation examination
RT replica techniques
RT sample preparation
RT surface properties

CERATITIS CAPITATA
UF *mediterranean fruit fly*
*BT1 fruit flies

cercaria
Use platyhelminths

cercla
Use us superfund

CEREALS
UF+ *grains (cereal)*
*BT1 gramineae
NT1 barley
NT1 maize
NT1 millet
NT1 oats
NT1 rice
NT1 rye
NT1 sorghum
NT1 wheat
RT buckwheat
RT crops
RT flour
RT food
RT grain disinfestation
RT ustilago
RT vernalization

CEREBELLUM
*BT1 brain

CEREBRAL ARTERIES
INIS: May 1987; ETDE: Feb 1986
*BT1 arteries
RT brain

CEREBRAL CORTEX
UF *cortex (cerebral)*
*BT1 cerebrum
RT behavior
RT conditioned reflexes

CEREBROSIDES
*BT1 glycolipids
RT amides
RT galactose

CEREBROSPINAL FLUID
*BT1 body fluids
RT central nervous system

CEREBRUM
*BT1 brain
NT1 cerebral cortex

cerianite
Use oxide minerals
AND thorium minerals

cerite
Use silicate minerals

CERIUM
*BT1 rare earths
NT1 cerium-alpha
NT1 cerium-beta
NT1 cerium-gamma

CERIUM 121
INIS: Feb 2002; ETDE: Nov 1999
*BT1 beta-plus decay radioisotopes
BT1 cerium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei

*BT1 seconds living radioisotopes

CERIUM 123
INIS: Aug 1984; ETDE: Sep 1984
BT1 cerium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

CERIUM 124
INIS: Feb 1979; ETDE: Mar 1979
BT1 cerium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

CERIUM 125
INIS: Feb 1979; ETDE: Mar 1979
*BT1 beta-plus decay radioisotopes
BT1 cerium isotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

CERIUM 126
BT1 cerium isotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

CERIUM 127
INIS: Feb 1978; ETDE: Apr 1978
*BT1 beta-plus decay radioisotopes
BT1 cerium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

CERIUM 128
*BT1 beta-plus decay radioisotopes
BT1 cerium isotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

CERIUM 129
*BT1 beta-plus decay radioisotopes
BT1 cerium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

CERIUM 130
*BT1 beta-plus decay radioisotopes
BT1 cerium isotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

CERIUM 131
*BT1 beta-plus decay radioisotopes
BT1 cerium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

CERIUM 132
*BT1 beta-plus decay radioisotopes
BT1 cerium isotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 rare earth nuclei

CERIUM 133
*BT1 beta-plus decay radioisotopes
BT1 cerium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 rare earth nuclei

CERIUM 134
BT1 cerium isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei

CERIUM 135
*BT1 beta-plus decay radioisotopes
BT1 cerium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

CERIUM 136
BT1 cerium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

CERIUM 136 TARGET
BT1 targets

CERIUM 137
*BT1 beta-plus decay radioisotopes
BT1 cerium isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 rare earth nuclei

CERIUM 138
BT1 cerium isotopes
*BT1 even-even nuclei
*BT1 isomeric transition isotopes
*BT1 rare earth nuclei
*BT1 stable isotopes

CERIUM 138 TARGET
BT1 targets

CERIUM 139
BT1 cerium isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 isomeric transition isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

CERIUM 140
BT1 cerium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

CERIUM 140 TARGET
BT1 targets

CERIUM 141
*BT1 beta-minus decay radioisotopes
BT1 cerium isotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei

CERIUM 141 TARGET
INIS: Oct 1975; ETDE: Jul 1976
BT1 targets

CERIUM 142
BT1 cerium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

CERIUM 142 TARGET
INIS: Oct 1975; ETDE: Jul 1976
BT1 targets

CERIUM 143
*BT1 beta-minus decay radioisotopes
BT1 cerium isotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei

CERIUM 144
*BT1 beta-minus decay radioisotopes
BT1 cerium isotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei

CERIUM 144 TARGET
INIS: Sep 1992; ETDE: Aug 1981
BT1 targets

CERIUM 145
*BT1 beta-minus decay radioisotopes
BT1 cerium isotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

CERIUM 146
*BT1 beta-minus decay radioisotopes
BT1 cerium isotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

CERIUM 147
*BT1 beta-minus decay radioisotopes
BT1 cerium isotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

CERIUM 148
*BT1 beta-minus decay radioisotopes
BT1 cerium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

CERIUM 149
INIS: Jun 1977; ETDE: Sep 1975
*BT1 beta-minus decay radioisotopes
BT1 cerium isotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

CERIUM 150
*BT1 beta-minus decay radioisotopes
BT1 cerium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

CERIUM 151
INIS: Jan 1977; ETDE: Nov 1976
*BT1 beta-minus decay radioisotopes
BT1 cerium isotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei

*BT1 seconds living radioisotopes

CERIUM 152
INIS: Jun 1990; ETDE: Aug 1990
*BT1 beta-minus decay radioisotopes
BT1 cerium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

CERIUM ADDITIONS
(Alloys containing not more than 1% Ce are listed here.)
*BT1 cerium alloys
*BT1 rare earth additions

CERIUM ALLOYS
(Alloys containing more than 1% Ce.)
*BT1 rare earth alloys
NT1 cerium additions
NT1 cerium base alloys
NT2 misch metal

CERIUM-ALPHA
*BT1 cerium

CERIUM ARSENIDES
INIS: Jul 1978; ETDE: Oct 1978
*BT1 arsenides
*BT1 cerium compounds

CERIUM BASE ALLOYS
*BT1 cerium alloys
NT1 misch metal

CERIUM-BETA
INIS: Sep 1977; ETDE: Jun 1977
*BT1 cerium

CERIUM BORIDES
*BT1 borides
*BT1 cerium compounds

CERIUM BROMIDES
*BT1 bromides
*BT1 cerium compounds

CERIUM CARBIDES
*BT1 carbides
*BT1 cerium compounds

CERIUM CARBONATES
*BT1 carbonates
*BT1 cerium compounds
RT carbonate minerals

CERIUM CHLORIDES
*BT1 cerium compounds
*BT1 chlorides

CERIUM COMPLEXES
*BT1 rare earth complexes

CERIUM COMPOUNDS
BT1 rare earth compounds
NT1 cerium arsenides
NT1 cerium borides
NT1 cerium bromides
NT1 cerium carbides
NT1 cerium carbonates
NT1 cerium chlorides
NT1 cerium fluorides
NT1 cerium hydrides
NT1 cerium hydroxides
NT1 cerium iodides
NT1 cerium nitrates
NT1 cerium nitrides
NT1 cerium oxides
NT1 cerium perchlorates
NT1 cerium phosphates
NT1 cerium phosphides
NT1 cerium selenides
NT1 cerium silicates
NT1 cerium silicides
NT1 cerium sulfates
NT1 cerium sulfides
NT1 cerium tellurides
NT1 cerium tungstates

CERIUM FLUORIDES
*BT1 cerium compounds
*BT1 fluorides

CERIUM-GAMMA
*BT1 cerium

CERIUM HYDRIDES
*BT1 cerium compounds
*BT1 hydrides

CERIUM HYDROXIDES
*BT1 cerium compounds
*BT1 hydroxides

CERIUM IODIDES
*BT1 cerium compounds
*BT1 iodides

CERIUM IONS
*BT1 ions

CERIUM ISOTOPES
NT1 cerium 121
NT1 cerium 123
NT1 cerium 124
NT1 cerium 125
NT1 cerium 126
NT1 cerium 127
NT1 cerium 128
NT1 cerium 129
NT1 cerium 130
NT1 cerium 131
NT1 cerium 132
NT1 cerium 133
NT1 cerium 134
NT1 cerium 135
NT1 cerium 136
NT1 cerium 137
NT1 cerium 138
NT1 cerium 139
NT1 cerium 140
NT1 cerium 141
NT1 cerium 142
NT1 cerium 143
NT1 cerium 144
NT1 cerium 145
NT1 cerium 146
NT1 cerium 147
NT1 cerium 148
NT1 cerium 149
NT1 cerium 150
NT1 cerium 151
NT1 cerium 152

CERIUM NITRATES
*BT1 cerium compounds
*BT1 nitrates

CERIUM NITRIDES
*BT1 cerium compounds
*BT1 nitrides

CERIUM OXIDES
*BT1 cerium compounds
*BT1 oxides
RT oxide minerals

CERIUM PERCHLORATES
*BT1 cerium compounds
*BT1 perchlorates

CERIUM PHOSPHATES
*BT1 cerium compounds
*BT1 phosphates
RT phosphate minerals

CERIUM PHOSPHIDES
INIS: Jul 1978; ETDE: Dec 1976
*BT1 cerium compounds
*BT1 phosphides

CERIUM SELENIDES
INIS: Oct 1976; ETDE: Dec 1976
*BT1 cerium compounds
*BT1 selenides

CERIUM SILICATES
*BT1 cerium compounds
*BT1 silicates
RT kainosite
RT silicate minerals

CERIUM SILICIDES
INIS: Oct 1975; ETDE: Feb 1975
*BT1 cerium compounds
*BT1 silicides

CERIUM SULFATES
*BT1 cerium compounds
*BT1 sulfates

CERIUM SULFIDES
*BT1 cerium compounds
*BT1 sulfides

CERIUM TELLURIDES
INIS: Mar 1985; ETDE: Jun 1980
*BT1 cerium compounds
*BT1 tellurides

CERIUM TUNGSTATES
INIS: Sep 1991; ETDE: Jun 1977
*BT1 cerium compounds
*BT1 tungstates

CERMETS
UF *cemented carbides*
UF *hard metals*
*BT1 composite materials
NT1 td-nickel
NT1 td-nickel chromium
RT ceramics
RT refractories

CERN
UF *european organization for nuclear research*
BT1 international organizations

cern ag synchrotron
Use cern ps synchrotron

CERN CESAR
(CERN Electron Storage and Accumulation Ring)
BT1 storage rings

cern ii synchrotron
Use cern sps synchrotron

cern isolde
Use isotope separators

CERN ISR
(CERN Intersection Storage Rings)
BT1 storage rings

cern large hadronic collider
Use cern lhc

CERN LEAR
INIS: Jun 1984; ETDE: May 1987
(Facility for antiproton physics at low energies with intense and cold beams of antiprotons.

Located in the South Experimental Hall of CERN PS.)
UF *cern low energy antiproton ring*
UF *lear*
RT cern ps synchrotron

cern lep
Use lep storage rings

CERN LHC
INIS: Oct 1995; ETDE: Oct 1995
UF *cern large hadronic collider*
BT1 storage rings
*BT1 synchrotrons

CERN LINAC
INIS: Aug 1978; ETDE: Oct 1978
*BT1 linear accelerators

cern low energy antiproton ring
Use cern lear

CERN PS SYNCHROTRON
(CERN 28-GeV Proton Synchrotron)
UF *cern ag synchrotron*
*BT1 synchrotrons
RT cern lear

CERN SPS SYNCHROTRON
(CERN 400-GeV Proton Synchrotron)
UF *cern ii synchrotron*
*BT1 synchrotrons

CERN SYNCHROCYCLOTRON
*BT1 synchrocyclotrons

CERNAVODA-1 REACTOR
INIS: Aug 1982; ETDE: Oct 1990
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

CERRO PRIETO GEOTHERMAL FIELD
INIS: Jun 1992; ETDE: Jan 1975
BT1 geothermal fields
RT geothermal hot-water systems
RT mexico

CERROBEND ALLOYS
INIS: Apr 2000; ETDE: Dec 1974
*BT1 bismuth base alloys
*BT1 cadmium alloys
*BT1 lead alloys
*BT1 tin alloys

CERTIFICATION
INIS: Apr 1981; ETDE: Feb 1979
(Prior to August 1991, this concept was indexed to LICENSING.)
RT licensing
RT performance testing
RT quality assurance
RT standards
RT testing

CERULOPLASMIN
*BT1 copper complexes
*BT1 globulins-alpha
*BT1 metalloproteins

CESAR REACTOR
(CEA/CEN, Cadarache, St. Paul Lez Durance, France)
*BT1 carbon dioxide cooled reactors
*BT1 experimental reactors
*BT1 graphite moderated reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 thermal reactors
RT enriched uranium reactors

CESIUM
UF *caesium*
*BT1 alkali metals

CESIUM 113
INIS: Jul 1980; ETDE: Aug 1980
*BT1 cesium isotopes
*BT1 intermediate mass nuclei
*BT1 nanoseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 proton decay radioisotopes

CESIUM 114
INIS: Jan 1979; ETDE: Feb 1979
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

CESIUM 115
INIS: Jan 1979; ETDE: Feb 1979
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

CESIUM 116
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

CESIUM 117
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

CESIUM 118
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

CESIUM 119
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

CESIUM 120
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

CESIUM 121
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

CESIUM 122
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

CESIUM 123
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

CESIUM 124
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

CESIUM 125
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

CESIUM 126
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

CESIUM 127
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

CESIUM 128
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

CESIUM 129
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

CESIUM 130
*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

CESIUM 131
*BT1 cesium isotopes
*BT1 days living radioisotopes

*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

CESIUM 131 TARGET
INIS: Feb 1988; ETDE: Feb 1988
BT1 targets

CESIUM 132
*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 cesium isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

CESIUM 132 TARGET
INIS: Feb 1979; ETDE: Mar 1979
BT1 targets

CESIUM 133
*BT1 cesium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes

CESIUM 133 TARGET
BT1 targets

CESIUM 134
*BT1 beta-minus decay radioisotopes
*BT1 cesium isotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 years living radioisotopes

CESIUM 134 TARGET
INIS: Feb 1988; ETDE: Feb 1988
BT1 targets

CESIUM 135
*BT1 beta-minus decay radioisotopes
*BT1 cesium isotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 years living radioisotopes

CESIUM 135 TARGET
INIS: Feb 1988; ETDE: Aug 1981
BT1 targets

CESIUM 136
*BT1 beta-minus decay radioisotopes
*BT1 cesium isotopes
*BT1 days living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

CESIUM 137
*BT1 beta-minus decay radioisotopes
*BT1 cesium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 years living radioisotopes
RT radioisotope generators

CESIUM 137 TARGET
INIS: Aug 1988; ETDE: Aug 1981
BT1 targets

CESIUM 138
*BT1 beta-minus decay radioisotopes
*BT1 cesium isotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

CESIUM 139
*BT1 beta-minus decay radioisotopes
*BT1 cesium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

CESIUM 140
*BT1 beta-minus decay radioisotopes
*BT1 cesium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

CESIUM 141
*BT1 beta-minus decay radioisotopes
*BT1 cesium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

CESIUM 142
*BT1 beta-minus decay radioisotopes
*BT1 cesium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

CESIUM 143
*BT1 beta-minus decay radioisotopes
*BT1 cesium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

CESIUM 144
*BT1 beta-minus decay radioisotopes
*BT1 cesium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

CESIUM 145
*BT1 beta-minus decay radioisotopes
*BT1 cesium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

CESIUM 146
*BT1 beta-minus decay radioisotopes
*BT1 cesium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

CESIUM 147
INIS: Apr 1979; ETDE: Dec 1978
*BT1 beta-minus decay radioisotopes
*BT1 cesium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

CESIUM 148
INIS: Apr 1979; ETDE: May 1979
*BT1 beta-minus decay radioisotopes
*BT1 cesium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

CESIUM 149
INIS: Jan 2002; ETDE: Nov 1999
*BT1 beta-minus decay radioisotopes
*BT1 cesium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

CESIUM 150
INIS: Jan 2002; ETDE: Nov 1999
*BT1 beta-minus decay radioisotopes
*BT1 cesium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

CESIUM ADDITIONS
(Alloys containing not more than 1% Cs are listed here.)
*BT1 cesium alloys

CESIUM ALLOYS
(Alloys containing more than 1% Cs.)
BT1 alloys
NT1 cesium additions
NT1 cesium base alloys

CESIUM BASE ALLOYS
*BT1 cesium alloys

CESIUM BROMIDES
*BT1 bromides
*BT1 cesium compounds

CESIUM CARBIDES
*BT1 carbides
*BT1 cesium compounds

CESIUM CARBONATES
*BT1 carbonates
*BT1 cesium compounds

CESIUM CHLORIDES
*BT1 cesium compounds
*BT1 chlorides

CESIUM COMPLEXES
*BT1 alkali metal complexes

CESIUM COMPOUNDS
UF+ *cesium nitrides*
BT1 alkali metal compounds
NT1 cesium bromides
NT1 cesium carbides
NT1 cesium carbonates
NT1 cesium chlorides
NT1 cesium fluorides
NT1 cesium hydrides
NT1 cesium hydroxides
NT1 cesium iodides
NT1 cesium nitrates
NT1 cesium oxides
NT1 cesium perchlorates
NT1 cesium phosphates
NT1 cesium selenides
NT1 cesium silicates
NT1 cesium silicides
NT1 cesium sulfates
NT1 cesium sulfides
NT1 cesium tellurides
NT1 cesium tungstates
NT1 cesium uranates

CESIUM FLUORIDES
*BT1 cesium compounds
*BT1 fluorides

CESIUM HYDRIDES
*BT1 cesium compounds
*BT1 hydrides

CESIUM HYDROXIDES
*BT1 cesium compounds
*BT1 hydroxides

CESIUM IODIDES
*BT1 cesium compounds
*BT1 inorganic phosphors
*BT1 iodides

CESIUM IONS
*BT1 ions

CESIUM ISOTOPES
BT1 isotopes
NT1 cesium 113
NT1 cesium 114
NT1 cesium 115
NT1 cesium 116
NT1 cesium 117
NT1 cesium 118
NT1 cesium 119
NT1 cesium 120
NT1 cesium 121
NT1 cesium 122
NT1 cesium 123
NT1 cesium 124
NT1 cesium 125
NT1 cesium 126
NT1 cesium 127
NT1 cesium 128
NT1 cesium 129
NT1 cesium 130
NT1 cesium 131
NT1 cesium 132
NT1 cesium 133
NT1 cesium 134
NT1 cesium 135
NT1 cesium 136
NT1 cesium 137
NT1 cesium 138
NT1 cesium 139
NT1 cesium 140
NT1 cesium 141
NT1 cesium 142
NT1 cesium 143
NT1 cesium 144
NT1 cesium 145
NT1 cesium 146
NT1 cesium 147
NT1 cesium 148
NT1 cesium 149
NT1 cesium 150

CESIUM NITRATES
*BT1 cesium compounds
*BT1 nitrates

cesium nitrides
Use cesium compounds
AND nitrides

CESIUM OXIDES
*BT1 cesium compounds
*BT1 oxides

CESIUM PERCHLORATES
INIS: Nov 1978; ETDE: Jan 1975
*BT1 cesium compounds
*BT1 perchlorates

CESIUM PHOSPHATES
*BT1 cesium compounds
*BT1 phosphates

CESIUM SELENIDES
INIS: Sep 1979; ETDE: Oct 1979
*BT1 cesium compounds
*BT1 selenides

CESIUM SILICATES
*BT1 cesium compounds
*BT1 silicates
RT pollucite

CESIUM SILICIDES
INIS: Feb 1988; ETDE: May 1975
*BT1 cesium compounds
*BT1 silicides

CESIUM SULFATES
*BT1 cesium compounds
*BT1 sulfates

CESIUM SULFIDES
*BT1 cesium compounds
*BT1 sulfides

CESIUM TELLURIDES
INIS: Feb 1983; ETDE: May 1979
*BT1 cesium compounds
*BT1 tellurides

CESIUM TUNGSTATES
INIS: May 1978; ETDE: Jan 1975
*BT1 cesium compounds
*BT1 tungstates

CESIUM URANATES
INIS: Nov 1975; ETDE: Jan 1975
*BT1 cesium compounds
*BT1 uranates

CESNEF REACTOR
(Centro Studi Nucleari E. Fermi, Milan, Italy)
UF *centro studi nucleari enrico fermi reactor*
UF *enrico fermi nuclear research center reactor*
UF *l-54 reactor*
*BT1 aqueous homogeneous reactors
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 training reactors

CESR STORAGE RING
INIS: Jan 1979; ETDE: Feb 1979
UF *cornell electron-positron storage ring*
BT1 storage rings

CESTODES
(Prior to March 1997 HYMENOLEPIS was a valid ETDE descriptor.)
UF *hymenolepis*
UF *tapeworms*
*BT1 platyhelminths
RT hydatidosis

CETACEANS
INIS: Sep 1991; ETDE: May 1976
(The order of aquatic mammals that includes whales, dolphins, and porpoises.)
UF *dolphins*
UF *porpoises*
UF *whales*
BT1 aquatic organisms
*BT1 mammals

cetane number
Use antiknock ratings

cetene number
Use antiknock ratings

ceylon
Use sri lanka

cfc
Use chlorofluorocarbons

CFFC PROCESS
INIS: Apr 2000; ETDE: Aug 1976
(Coal liquefaction process developed by C-E lummus, a subsidiary of Combustion Engineering to produce low sulfur, low ash, synthetic boiler fuel.)
UF *clean fuel from coal process*
*BT1 coal liquefaction

cfff
Use mhd generator cfff

cfg reactor
Use anex reactor

CFRMF REACTOR
UF *coupled fast reactor measurement facility*
*BT1 fast reactors
*BT1 zero power reactors

cfrp program
Use consolidated fuel reprocessing program

CFU
(Limited to colony formation on spleen.)
UF *colony forming units*
RT colony formation
RT spleen colony formation
RT stem cells

CHACALTAYA
*BT1 bolivia

CHAD
BT1 africa
BT1 developing countries

CHAIN CONVEYORS
INIS: Apr 2000; ETDE: Sep 1982
*BT1 conveyors
RT mine haulage
RT mining equipment
RT transport

CHAIN REACTIONS
RT criticality
RT fission
RT fissioning plasma
RT natural nuclear reactors
RT nuclear reactions
RT oklo phenomenon
RT thermonuclear reactions

CHAINS
INIS: May 1988; ETDE: Jan 1988
RT cables
RT ropes
RT wires

CHALCOGENIDES
NT1 oxides
NT2 aluminium oxides
NT2 americium oxides
NT2 antimony oxides
NT2 argon oxides
NT2 arsenic oxides
NT2 barium oxides
NT2 berkelium oxides
NT2 beryllium oxides
NT2 bismuth oxides
NT2 boron oxides
NT2 bromine oxides
NT2 cadmium oxides
NT2 calcium oxides
NT2 californium oxides
NT2 carbon oxides
NT3 carbon dioxide
NT3 carbon monoxide
NT2 cerium oxides

- **NT2** cesium oxides
- **NT2** chlorine oxides
- **NT2** chromium oxides
- **NT2** cobalt oxides
- **NT2** copper oxides
- **NT2** curium oxides
- **NT2** dysprosium oxides
- **NT2** einsteinium oxides
- **NT2** erbium oxides
- **NT2** europium oxides
- **NT2** fluorine oxides
- **NT2** gadolinium oxides
- **NT2** gallium oxides
- **NT2** germanium oxides
- **NT2** gold oxides
- **NT2** hafnium oxides
- **NT2** holmium oxides
- **NT2** indium oxides
- **NT2** iodine oxides
- **NT2** iridium oxides
- **NT2** iron oxides
- **NT2** krypton oxides
- **NT2** lanthanum oxides
- **NT2** lead oxides
- **NT2** lithium oxides
- **NT2** lutetium oxides
- **NT2** magnesium oxides
- **NT2** manganese oxides
- **NT2** mercury oxides
- **NT2** molybdenum oxides
  - **NT3** molybdenum blue
- **NT2** neodymium oxides
- **NT2** neptunium oxides
- **NT2** nickel oxides
- **NT2** niobium oxides
- **NT2** nitrogen oxides
  - **NT3** nitric oxide
  - **NT3** nitrogen dioxide
  - **NT3** nitrous oxide
- **NT2** osmium oxides
- **NT2** palladium oxides
- **NT2** phosphorus oxides
- **NT2** platinum oxides
- **NT2** plutonium oxides
  - **NT3** plutonium dioxide
- **NT2** polonium oxides
- **NT2** potassium oxides
- **NT2** praseodymium oxides
- **NT2** promethium oxides
- **NT2** protactinium oxides
- **NT2** radium oxides
- **NT2** radon oxides
- **NT2** rhenium oxides
- **NT2** rhodium oxides
- **NT2** rubidium oxides
- **NT2** ruthenium oxides
- **NT2** samarium oxides
- **NT2** scandium oxides
- **NT2** selenium oxides
- **NT2** silicon oxides
- **NT2** silver oxides
- **NT2** sodium oxides
  - **NT3** sodium tungsten bronze
- **NT2** strontium oxides
- **NT2** sulfur oxides
  - **NT3** sulfur dioxide
  - **NT3** sulfur trioxide
- **NT2** tantalum oxides
- **NT2** technetium oxides
- **NT2** tellurium oxides
- **NT2** terbium oxides
- **NT2** thallium oxides
- **NT2** thorium oxides
  - **NT3** thorotrast
- **NT2** thulium oxides
- **NT2** tin oxides
- **NT2** titanium oxides
- **NT2** tritium oxides
- **NT2** tungsten oxides
  - **NT3** sodium tungsten bronze
- **NT2** uranium oxides
  - **NT3** uranium dioxide
  - **NT3** uranium oxides u3o8
  - **NT3** uranium trioxide
- **NT2** vanadium oxides
- **NT2** xenon oxides
- **NT2** ytterbium oxides
- **NT2** yttrium oxides
  - **NT3** alloy-in-853
- **NT2** zinc oxides
- **NT2** zirconium oxides

NT1 selenides

- **NT2** aluminium selenides
- **NT2** antimony selenides
- **NT2** arsenic selenides
- **NT2** beryllium selenides
- **NT2** bismuth selenides
- **NT2** cadmium selenides
- **NT2** cerium selenides
- **NT2** cesium selenides
- **NT2** chromium selenides
- **NT2** cobalt selenides
- **NT2** copper selenides
- **NT2** dysprosium selenides
- **NT2** erbium selenides
- **NT2** europium selenides
- **NT2** gadolinium selenides
- **NT2** gallium selenides
- **NT2** germanium selenides
- **NT2** hafnium selenides
- **NT2** holmium selenides
- **NT2** indium selenides
- **NT2** iron selenides
- **NT2** lanthanum selenides
- **NT2** lead selenides
- **NT2** lithium selenides
- **NT2** manganese selenides
- **NT2** mercury selenides
- **NT2** molybdenum selenides
- **NT2** neptunium selenides
- **NT2** nickel selenides
- **NT2** niobium selenides
- **NT2** palladium selenides
- **NT2** plutonium selenides
- **NT2** potassium selenides
- **NT2** praseodymium selenides
- **NT2** rhenium selenides
- **NT2** rhodium selenides
- **NT2** rubidium selenides
- **NT2** ruthenium selenides
- **NT2** samarium selenides
- **NT2** silver selenides
- **NT2** sodium selenides
- **NT2** tantalum selenides
- **NT2** technetium selenides
- **NT2** terbium selenides
- **NT2** thallium selenides
- **NT2** thorium selenides
- **NT2** thulium selenides
- **NT2** tin selenides
- **NT2** titanium selenides
- **NT2** tungsten selenides
- **NT2** uranium selenides
- **NT2** vanadium selenides
- **NT2** ytterbium selenides
- **NT2** yttrium selenides
- **NT2** zinc selenides
- **NT2** zirconium selenides

NT1 sulfides

- **NT2** aluminium sulfides
- **NT2** antimony sulfides
- **NT2** arsenic sulfides
- **NT2** barium sulfides
- **NT2** bismuth sulfides
- **NT2** boron sulfides
- **NT2** cadmium sulfides
- **NT2** calcium sulfides
- **NT2** carbon sulfides
- **NT2** cerium sulfides
- **NT2** cesium sulfides
- **NT2** chromium sulfides
- **NT2** cobalt sulfides
- **NT2** copper sulfides
- **NT2** dimethyl sulfide
- **NT2** dysprosium sulfides
- **NT2** erbium sulfides
- **NT2** europium sulfides
- **NT2** gadolinium sulfides
- **NT2** gallium sulfides
- **NT2** germanium sulfides
- **NT2** hafnium sulfides
- **NT2** holmium sulfides
- **NT2** hydrogen sulfides
- **NT2** indium sulfides
- **NT2** iron sulfides
- **NT2** lanthanum sulfides
- **NT2** lead sulfides
- **NT2** lithium sulfides
- **NT2** lutetium sulfides
- **NT2** magnesium sulfides
- **NT2** manganese sulfides
- **NT2** mercury sulfides
- **NT2** molybdenum sulfides
- **NT2** neodymium sulfides
- **NT2** neptunium sulfides
- **NT2** nickel sulfides
- **NT2** niobium sulfides
- **NT2** osmium sulfides
- **NT2** palladium sulfides
- **NT2** phosphorus sulfides
- **NT2** platinum sulfides
- **NT2** plutonium sulfides
- **NT2** potassium sulfides
- **NT2** praseodymium sulfides
- **NT2** rhenium sulfides
- **NT2** rhodium sulfides
- **NT2** rubidium sulfides
- **NT2** ruthenium sulfides
- **NT2** samarium sulfides
- **NT2** scandium sulfides
- **NT2** selenium sulfides
- **NT2** silicon sulfides
- **NT2** silver sulfides
- **NT2** sodium sulfides
- **NT2** strontium sulfides
- **NT2** tantalum sulfides
- **NT2** technetium sulfides
- **NT2** tellurium sulfides
- **NT2** terbium sulfides
- **NT2** thallium sulfides
- **NT2** thorium sulfides
- **NT2** thulium sulfides
- **NT2** tin sulfides
- **NT2** titanium sulfides
- **NT2** tungsten sulfides
- **NT2** uranium sulfides
- **NT2** vanadium sulfides
- **NT2** ytterbium sulfides
- **NT2** yttrium sulfides
- **NT2** zinc sulfides
- **NT2** zirconium sulfides

NT1 tellurides

- **NT2** aluminium tellurides
- **NT2** antimony tellurides
- **NT2** arsenic tellurides
- **NT2** beryllium tellurides
- **NT2** bismuth tellurides
- **NT2** cadmium tellurides
- **NT2** cerium tellurides
- **NT2** cesium tellurides
- **NT2** chromium tellurides
- **NT2** cobalt tellurides
- **NT2** copper tellurides
- **NT2** dysprosium tellurides
- **NT2** erbium tellurides
- **NT2** europium tellurides
- **NT2** gadolinium tellurides

NT2 gallium tellurides
NT2 germanium tellurides
NT2 gold tellurides
NT2 hafnium tellurides
NT2 holmium tellurides
NT2 indium tellurides
NT2 iridium tellurides
NT2 iron tellurides
NT2 lanthanum tellurides
NT2 lead tellurides
NT2 lithium tellurides
NT2 magnesium tellurides
NT2 manganese tellurides
NT2 mercury tellurides
NT2 molybdenum tellurides
NT2 neodymium tellurides
NT2 neptunium tellurides
NT2 nickel tellurides
NT2 niobium tellurides
NT2 palladium tellurides
NT2 platinum tellurides
NT2 plutonium tellurides
NT2 potassium tellurides
NT2 praseodymium tellurides
NT2 rhenium tellurides
NT2 rhodium tellurides
NT2 rubidium tellurides
NT2 ruthenium tellurides
NT2 samarium tellurides
NT2 selenium tellurides
NT2 silver tellurides
NT2 sodium tellurides
NT2 tantalum tellurides
NT2 terbium tellurides
NT2 thallium tellurides
NT2 thorium tellurides
NT2 thulium tellurides
NT2 tin tellurides
NT2 titanium tellurides
NT2 tungsten tellurides
NT2 uranium tellurides
NT2 vanadium tellurides
NT2 ytterbium tellurides
NT2 yttrium tellurides
NT2 zinc tellurides
NT2 zirconium tellurides
RT high-tc superconductors

CHALCOPYRITE
(A bright brass-yellow tetragonal mineral.)
*BT1 sulfide minerals
RT copper sulfides
RT iron sulfides

chalk
Use calcite

CHALK RIVER
*BT1 ontario

chalk river cyclotron
Use crnl superconducting cyclotron

CHALK RIVER NUCLEAR LABS
*BT1 atomic energy of canada ltd
RT canada

chalk river pool test reactor
Use ptr reactor

chalk river superconducting cyclotron
Use crnl superconducting cyclotron

chalk river zed-2 reactor
Use zed-2 reactor

chalks
Use limestone

CHAMBER FURNACES
INIS: Apr 2000; ETDE: Nov 1976
UF *chamber kilns*
UF *chamber ovens*
BT1 furnaces

chamber kilns
Use chamber furnaces

chamber ovens
Use chamber furnaces

CHANDIGARH CYCLOTRON
INIS: Jun 1983; ETDE: Mar 1983
*BT1 variable energy cyclotrons

chandrasekhar-fermi theory
Use chandrasekhar theory

CHANDRASEKHAR THEORY
UF *chandrasekhar-fermi theory*
RT astrophysics
RT stars

CHANNELING
UF *blocking*
UF *coning*
UF *dechanneling*
NT1 electron channeling
NT1 ion channeling
NT1 positron channeling
NT1 proton channeling

channels (reactor)
Use reactor channels

CHAOS THEORY
INIS: Jun 2002; ETDE: Nov 1999
BT1 mathematics
RT fuzzy logic
RT mathematical space
RT probability
RT statistics
RT stochastic processes

CHAPELCROSS-1 REACTOR
(Annan, Scotland, UK)
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 plutonium production reactors
*BT1 thermal reactors

CHAPELCROSS-2 REACTOR
(Annan, Scotland, UK)
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 plutonium production reactors
*BT1 thermal reactors

CHAPELCROSS-3 REACTOR
(Annan, Scotland, UK)
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 plutonium production reactors
*BT1 thermal reactors

CHAPELCROSS-4 REACTOR
(Annan, Scotland, UK)
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 plutonium production reactors
*BT1 thermal reactors

chaperonins
Use heat-shock proteins

CHAPMAN-ENSKOG THEORY
RT transport theory

CHAPMAN-FERRARO PROBLEM
RT solar wind
RT transport theory

CHAPMAN-KOLMOGOROV EQUATION
(A set of equations used in the theory of stochastic processes, giving the state of a system as a probability distribution at a certain time in terms of the known states at previous times.)
SF *kolmogorov equation*
*BT1 differential equations
RT markov process
RT reactor kinetics equations
RT stochastic processes

char oil energy development process
Use coed process

CHARCOAL
BT1 adsorbents
RT activated carbon
RT solid fuels
RT wood fuels

CHARGE CARRIERS
RT carrier density
RT carrier lifetime
RT carrier mobility
RT dember effect
RT electric charges
RT electron-hole droplets
RT electrons
RT holes
RT point defects

CHARGE COLLECTION
RT charge transport
RT charged particles

charge conjugation invariance
Use c invariance

CHARGE CONSERVATION
UF *conservation (charge)*
RT electric charges
RT gauge invariance

CHARGE-COUPLED DEVICES
INIS: Sep 1979; ETDE: Apr 1978
(Semiconductor devices arrayed so that the electric charge at the output of one provides the input stimulus to the next.)
UF *ccd*
BT1 semiconductor devices

CHARGE DENSITY
INIS: May 1976; ETDE: Aug 1976
UF *density (charge)*
RT electric charges
RT energy density

CHARGE DISTRIBUTION
INIS: Dec 1975; ETDE: Aug 1975
(Not for CHARGE STATES. Prior to January 1983 this concept was indexed by coordination of ELECTRIC CHARGES and SPATIAL DISTRIBUTION.)
RT electric charges
RT electrostatics
RT ion beams
RT multiple production
RT nuclear radii
RT space charge
RT spatial distribution

CHARGE EXCHANGE
UF *exchange (charge)*
RT beam neutralization
RT beam strippers
RT electron capture
RT electron loss
RT hydrogen transfer

RT ionization
RT neutral particle analyzers
RT plasma potential

CHARGE-EXCHANGE INTERACTIONS
*BT1 strong interactions
RT cluster emission model

CHARGE-EXCHANGE REACTIONS
BT1 nuclear reactions

CHARGE INDEPENDENCE
BT1 invariance principles
RT nucleons
RT strong interactions

CHARGE PLUNGER METHOD
INIS: Aug 1978; ETDE: Oct 1978
(Method for the determination of lifetimes of nuclear levels.)
UF *plunger method*
UF *recoil distance method*
BT1 counting techniques
RT lifetime
RT time-of-flight method

charge radius (nuclear)
Use nuclear radii

charge radius (particle)
Use particle radii

charge ratio
Use minus-plus ratio

CHARGE RENORMALIZATION
BT1 renormalization
RT electrodynamics

charge state
Use battery charge state

charge state (batteries)
Use battery charge state

charge state distributions
Use charge states

CHARGE STATES
INIS: Jun 1984; ETDE: Jul 1984
(NOT for electric batteries.)
UF *charge state distributions*
RT beam strippers
RT charged particles
RT electric charges
RT electron capture
RT electron loss
RT ionization
RT ions

CHARGE TRANSPORT
RT charge collection
RT electric charges

CHARGED-CURRENT INTERACTIONS
INIS: Aug 1976; ETDE: Jun 1976
*BT1 particle interactions
RT basic interactions
RT charged currents
RT weinberg angle

CHARGED CURRENTS
INIS: Aug 1976; ETDE: Jun 1976
*BT1 algebraic currents
NT1 weak charged currents
RT charged-current interactions
RT electromagnetic interactions
RT neutral currents
RT weak interactions

CHARGED-PARTICLE ACTIVATION ANALYSIS
INIS: Feb 1976; ETDE: Aug 1991
(For the process.)
UF *analysis (charged-particle activation)*
*BT1 activation analysis

CHARGED PARTICLE DETECTION
*BT1 radiation detection
NT1 acoustic detection
NT1 alpha detection
NT1 beta detection
NT1 electron detection
NT1 ion detection
NT1 muon detection
NT1 positron detection
NT1 proton detection
RT cosmic ray detection
RT fission fragment detection
RT radiation detectors
RT radiation length

CHARGED-PARTICLE PRECIPITATION
NT1 electron precipitation
NT1 proton precipitation
RT aurorae
RT auroral oval
RT charged particles
RT midday aurorae
RT radiation belts

CHARGED-PARTICLE REACTIONS
INIS: Apr 2000; ETDE: Jan 1975
BT1 nuclear reactions
NT1 alpha reactions
NT1 deuteron reactions
NT2 antideuteron reactions
NT1 electron reactions
NT2 electrofission
NT1 helium 3 reactions
NT1 meson reactions
NT2 kaon reactions
NT3 kaon minus reactions
NT3 kaon neutral reactions
NT3 kaon plus reactions
NT2 pion reactions
NT3 pion minus reactions
NT3 pion plus reactions
NT1 muon reactions
NT1 proton reactions
NT1 triton reactions
RT charged particles
RT ions

CHARGED-PARTICLE TRANSPORT
UF *transport (charged-particle)*
BT1 radiation transport
NT1 proton transport
RT charged particles
RT charged-particle transport theory

CHARGED-PARTICLE TRANSPORT THEORY
BT1 transport theory
NT1 neoclassical transport theory
NT1 spitzer theory
RT charged particles
RT charged-particle transport
RT elementary particles

CHARGED PARTICLES
(In addition to the specific charged particles listed below, see also the list under ELEMENTARY PARTICLES.)
NT1 alpha particles
NT2 cosmic alpha particles
NT2 delayed alpha particles
NT2 solar alpha particles
NT1 beta particles
NT1 deuterons
NT2 antideuterons
NT1 ions
NT2 actinium ions
NT2 aluminium ions
NT2 americium ions
NT2 anions
NT3 heteropolyanions
NT3 hydrogen ions 1 minus
NT2 antimony ions
NT2 argon ions
NT2 arsenic ions
NT2 astatine ions
NT2 atomic ions
NT2 barium ions
NT2 berkelium ions
NT2 beryllium ions
NT2 bismuth ions
NT2 boron ions
NT2 bromine ions
NT2 cadmium ions
NT2 calcium ions
NT2 californium ions
NT2 carbon ions
NT2 cations
NT3 hydrogen ions 1 plus
NT3 hydrogen ions 2 plus
NT3 hydrogen ions 3 plus
NT2 cerium ions
NT2 cesium ions
NT2 chlorine ions
NT2 chromium ions
NT2 cobalt ions
NT2 copper ions
NT2 curium ions
NT2 deuterium ions
NT2 dysprosium ions
NT2 einsteinium ions
NT2 erbium ions
NT2 europium ions
NT2 fermium ions
NT2 fluorine ions
NT2 francium ions
NT2 gadolinium ions
NT2 gallium ions
NT2 germanium ions
NT2 gold ions
NT2 hafnium ions
NT2 heavy ions
NT2 helium ions
NT3 helium ash
NT2 holmium ions
NT2 hydrogen ions
NT3 hydrogen ions 1 minus
NT3 hydrogen ions 1 plus
NT3 hydrogen ions 2 plus
NT3 hydrogen ions 3 plus
NT2 indium ions
NT2 iodine ions
NT2 iridium ions
NT2 iron ions
NT2 krypton ions
NT2 lanthanum ions
NT2 lead ions
NT2 light ions
NT2 lithium ions
NT2 lutetium ions
NT2 magnesium ions
NT2 manganese ions
NT2 mercury ions

NT2 molecular ions
NT3 hydrogen ions 2 plus
NT3 hydrogen ions 3 plus
NT3 oxonium ions
NT2 molybdenum ions
NT2 multicharged ions
NT2 muonic ions
NT2 neodymium ions
NT2 neon ions
NT2 neptunium ions
NT2 nickel ions
NT2 niobium ions
NT2 nitrogen ions
NT2 osmium ions
NT2 oxygen ions
NT2 palladium ions
NT2 phosphorus ions
NT2 platinum ions
NT2 plutonium ions
NT2 polonium ions
NT2 potassium ions
NT2 praseodymium ions
NT2 promethium ions
NT2 protactinium ions
NT2 radium ions
NT2 radon ions
NT2 rhenium ions
NT2 rhodium ions
NT2 rubidium ions
NT2 ruthenium ions
NT2 samarium ions
NT2 scandium ions
NT2 selenium ions
NT2 silicon ions
NT2 silver ions
NT2 sodium ions
NT2 strontium ions
NT2 sulfur ions
NT2 tail ions
NT2 tantalum ions
NT2 technetium ions
NT2 tellurium ions
NT2 terbium ions
NT2 thallium ions
NT2 thorium ions
NT2 thulium ions
NT2 tin ions
NT2 titanium ions
NT2 tritium ions
NT2 tungsten ions
NT2 uranium ions
NT2 vanadium ions
NT2 xenon ions
NT2 ytterbium ions
NT2 yttrium ions
NT2 zinc ions
NT2 zirconium ions
NT1 tritons
NT2 antitritons
RT battery charge state
RT charge collection
RT charge states
RT charged-particle precipitation
RT charged-particle reactions
RT charged-particle transport
RT charged-particle transport theory
RT directed-energy weapons
RT guiding-center approximation
RT ion beams
RT lorentz force
RT ponderomotive force
RT stoermer theory
RT test particles

CHARGES

(Pecuniary burden or fees. From November 1979 till March 1997 SURCHARGES was a valid ETDE descriptor.)
UF *assessments*
UF *fees*
UF *financial penalties*
UF *penalties*
SF *surcharges*
RT cost
RT cost overruns
RT cost recovery
RT emissions trading
RT income
RT interest rate
RT invoices
RT prices
RT tax credits
RT taxes

charging (fission reactor)

Use reactor fueling

charging (fusion reactor)

Use thermonuclear reactor fueling

charging machines (fission reactor)

Use reactor charging machines

chariot event

Use plowshare project

CHARM PARTICLES

BT1 elementary particles
NT1 c quarks
NT1 charmed baryons
NT2 lambda c plus baryons
NT2 lambda c-2625 baryons
NT2 omega c neutral baryons
NT2 sigma c-2455 baryons
NT2 xi c neutral baryons
NT2 xi c plus baryons
NT1 charmed mesons
NT2 b c mesons
NT2 d mesons
NT3 d minus mesons
NT3 d neutral mesons
NT4 anti-d neutral mesons
NT3 d plus mesons
NT2 d s mesons
NT2 d s-2536 mesons
NT2 d*-2010 mesons
NT2 d*2-2460 mesons
NT2 d*s-2110 mesons
NT2 d1-2420 mesons
RT charmonium
RT color model
RT hadrons
RT hypercharge
RT isospin
RT quark model
RT su-3 groups

charmed baryon resonances

Use charmed baryons

CHARMED BARYONS

INIS: Aug 1978; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by CHARMED BARYON RESONANCES.)
UF *charmed baryon resonances*
*BT1 baryons
*BT1 charm particles
NT1 lambda c plus baryons
NT1 lambda c-2625 baryons
NT1 omega c neutral baryons
NT1 sigma c-2455 baryons
NT1 xi c neutral baryons
NT1 xi c plus baryons

charmed meson resonances

Use charmed mesons

CHARMED MESONS

INIS: Dec 1987; ETDE: Feb 1988
(Prior to February 1988 CHARMED MESON RESONANCES was used for this concept in ETDE.)
UF *charmed meson resonances*
UF *d resonances*
*BT1 charm particles
*BT1 mesons
NT1 b c mesons
NT1 d mesons
NT2 d minus mesons
NT2 d neutral mesons
NT3 anti-d neutral mesons
NT2 d plus mesons
NT1 d s mesons
NT1 d s-2536 mesons
NT1 d*-2010 mesons
NT1 d*2-2460 mesons
NT1 d*s-2110 mesons
NT1 d1-2420 mesons

CHARMONIUM

INIS: Aug 1976; ETDE: Nov 1976
(A bound state of charm and anticharm quarks.)
*BT1 mesons
BT1 quarkonium
NT1 chi0-3415 mesons
NT1 chi1-3510 mesons
NT1 chi2-3555 mesons
NT1 eta c-2980 mesons
NT1 eta c-3590 mesons
NT1 j psi-3097 mesons
NT1 psi-3685 mesons
NT1 psi-3770 mesons
NT1 psi-4040 mesons
NT1 psi-4160 mesons
NT1 psi-4415 mesons
RT bound state
RT c quarks
RT charm particles
RT flavor model
RT muonium

charpak chambers

Use multiwire proportional chambers

CHARPY TEST

*BT1 destructive testing
*BT1 impact tests

CHARS

INIS: Sep 1991; ETDE: Apr 1975
UF *coal chars*
BT1 pyrolysis products
RT by-products
RT coal
RT coalcon process
RT consol stirred bed process

charts

Use diagrams

CHATTAHOOCHEE RIVER

INIS: Apr 2000; ETDE: Feb 1975
*BT1 rivers
RT alabama
RT florida
RT georgia

CHATTANOOGA

INIS: Apr 2000; ETDE: Dec 1974
*BT1 tennessee
BT1 urban areas

CHATTANOOGA FORMATION

INIS: Mar 1977; ETDE: Jan 1976
UF *chattanooga shale*
*BT1 appalachian basin

BT1 geologic formations
RT alabama
RT arkansas
RT black shales
RT geologic strata
RT georgia
RT illinois
RT kansas
RT kentucky
RT mississippi
RT missouri
RT ohio
RT oil shale deposits
RT oklahoma
RT tennessee
RT uranium deposits
RT uranium ores

chattanooga shale
Use chattanooga formation

CHEESE
*BT1 milk products
RT whey

CHELATES
BT1 complexes
RT chelating agents

CHELATING AGENTS
UF *complexing agents*
UF+ *cpdta*
UF+ *cyclopentanediaminetetraacetic acid*
UF+ *hexamethylenediaminetetraacetic acid*
UF+ *hmdta*
UF+ *tna*
UF+ *trinonylamine*
SF *chemicals*
NT1 acetylacetone
NT1 bal
NT1 cdta
NT1 dcta
NT1 dedtc
NT1 deferoxamine
NT1 dithizone
NT1 dtpa
NT1 eddha
NT1 edta
NT1 egta
NT1 hedta
NT1 heida
NT1 mdpa
NT1 nta
NT1 penicillamine
NT1 tda
NT1 tetaha
NT1 toa
NT1 tridodecylamine
RT chelates
RT crown ethers
RT decontamination
RT drugs

CHEMICAL ACTIVATION
UF *activation (chemical)*
RT activation energy
RT deactivation
RT enzyme reactivation
RT excitation
RT metabolic activation

chemical activity
Use thermodynamic activity

CHEMICAL ANALYSIS
UF *content analysis*
UF *destructive chemical analysis*
UF *determination (chemical)*
SF *ring oven method*
NT1 ion selective electrode analysis
NT1 multi-element analysis
NT1 nondestructive analysis
NT2 activation analysis
NT3 charged-particle activation analysis
NT3 neutron activation analysis
NT3 photon activation analysis
NT2 delayed neutron analysis
NT2 deuteron microprobe analysis
NT2 electron microprobe analysis
NT2 ion microprobe analysis
NT2 ion scattering analysis
NT2 nuclear reaction analysis
NT3 delayed neutron analysis
NT2 proton microprobe analysis
NT2 radiation absorption analysis
NT2 radiation scattering analysis
NT2 x-ray emission analysis
NT3 pixe analysis
NT3 x-ray fluorescence analysis
NT1 qualitative chemical analysis
NT1 quantitative chemical analysis
NT2 gravimetric analysis
NT3 thermal gravimetric analysis
NT2 radio-release analysis
NT2 radiochemical analysis
NT2 radiometric analysis
NT2 volumetric analysis
NT3 titration
NT4 amperometry
NT4 iodometry
NT4 potentiometry
NT4 thermometric titration
RT carbon meters
RT centrifugal fast analyzers
RT crime detection
RT derivatization
RT hydrogen meters
RT icp mass spectroscopy
RT ion probes
RT oxygen meters
RT polarimetry
RT post-irradiation examination
RT structural chemical analysis
RT sulfur meters
RT supercritical fluid chromatography
RT tritium meters
RT water chemistry

CHEMICAL ATTRACTANTS
INIS: Apr 1992; ETDE: Jun 1992
NT1 pheromone
RT insects
RT odor
RT pest control

CHEMICAL BONDS
NT1 double bonds
RT adducts
RT binding energy
RT bond angle
RT bond lengths
RT dna adducts

CHEMICAL COATING
*BT1 surface coating
NT1 chemical vapor deposition
NT1 electrochemical coating
NT2 anodization

CHEMICAL COMPOSITION
UF *abundance (chemical)*
RT abundance
RT ash content
RT cosmochemistry
RT element abundance
RT iodine number
RT ionic composition
RT quantitative chemical analysis
RT stoichiometry
RT sulfur content
RT water chemistry

CHEMICAL DECLADDING
*BT1 decladding

CHEMICAL DOSEMETERS
UF *fricke dosemeters*
*BT1 dosemeters
RT chemical radiation detectors

chemical effects of nuclear transformations
Use hot atom chemistry

CHEMICAL EFFLUENTS
INIS: Oct 1975; ETDE: Jun 1975
UF *effluents (chemical)*
*BT1 chemical wastes
RT gaseous wastes
RT industrial wastes
RT liquid wastes
RT nonradioactive waste disposal
RT particle resuspension
RT pollutants
RT pollution abatement
RT radioactive effluents
RT stack disposal
RT water pollution monitors

CHEMICAL ENGINEERING
INIS: Feb 1992; ETDE: Sep 1984
BT1 engineering
RT chemistry

CHEMICAL EXPLOSIONS
UF *events (chemical explosions)*
UF+ *cowboy event*
UF+ *middle gust event*
BT1 explosions
RT chemical explosives
RT contained explosions
RT cratering explosions
RT explosive fracturing
RT explosive stimulation
RT flashback
RT underground explosions

CHEMICAL EXPLOSIVES
(From May 1975 till March 1997 PYROTECHNIC DEVICES was a valid ETDE descriptor. From August 1979 till March 1997 SHAPED CHARGES was a valid ETDE descriptor.)
UF *high explosives*
UF *pyrotechnic devices*
UF *shaped charges*
BT1 explosives
NT1 dynamite
NT1 nitrocellulose
NT1 nitroglycerin
NT1 nitromethane
NT1 petn
NT1 picric acid
NT1 tatb
NT1 tetryl
NT1 tnt
RT chemical explosions
RT detonation limits

CHEMICAL FEEDSTOCKS
INIS: Jun 1992; ETDE: Mar 1977
UF+ *petrochemical feedstocks*
*BT1 raw materials
RT inorganic compounds
RT organic compounds
RT petrochemicals
RT pyrolytic gases

chemical heat pipes
Use heat pipes

CHEMICAL HEAT PUMPS
INIS: Apr 2000; ETDE: Sep 1979
(Systems for transporting and storing high grade thermal energy by the use of reversible, exothermic/endothermic chemical reactions.)
UF *hycsos*
BT1 heat pumps
RT cooling systems
RT heating systems
RT thermochemical heat storage

chemical heat storage
Use thermochemical heat storage

CHEMICAL INDUSTRY
INIS: Oct 1977; ETDE: Aug 1975
UF+ *chlor-alkali industry*
BT1 industry
RT chemical plants

CHEMICAL LASERS
(The excitation process involves the making or breaking ofa chemical bond.)
BT1 lasers
RT dye lasers

CHEMICAL LOGGING
INIS: Apr 2000; ETDE: Oct 1980
(Profiling of the concentration of chemical elements found in various geological formation fluids relative to the depth at which they are found.)
BT1 well logging

CHEMICAL MACHINING
UF *chemical milling*
BT1 machining
NT1 electrochemical machining

chemical milling
Use chemical machining

chemical mutagens
Use mutagens

CHEMICAL OXYGEN DEMAND
INIS: Mar 1987; ETDE: Mar 1978
RT aquatic ecosystems
RT biochemical oxygen demand
RT liquid wastes
RT oxygen

CHEMICAL PHYSICS
INIS: Apr 2000; ETDE: Sep 1984
BT1 physics
RT physical chemistry

CHEMICAL PLANTS
INIS: Mar 1992; ETDE: Dec 1978
(Industrial facilities operated by the chemical industry.)
BT1 industrial plants
NT1 gasoline plants
NT1 petrochemical plants
RT biomass conversion plants
RT chemical industry
RT ethanol plants
RT methanol plants
RT petrochemicals

CHEMICAL POLISHING
*BT1 polishing

CHEMICAL PREPARATION
UF *preparation (chemical)*
BT1 synthesis
RT chemical reactions

CHEMICAL PROPERTIES
UF *properties (chemical)*
RT affinity
RT chemical reactions
RT chemistry
RT thermal degradation

CHEMICAL RADIATION DETECTORS
*BT1 radiation detectors
RT chemical dosemeters

CHEMICAL RADIATION EFFECTS
UF *radioinduced reactions*
UF+ *radiation hardening (chemical)*
UF+ *radiopolymerization*
BT1 radiation effects
NT1 lyoluminescence
NT1 radiation curing
NT1 radiolysis
NT2 autoradiolysis
RT host-cell reactivation
RT radiation chemistry
RT strand breaks

CHEMICAL REACTION KINETICS
*BT1 reaction kinetics
NT1 combustion kinetics
RT activation energy
RT arrhenius equation
RT bifurcation
RT catalysis
RT enzyme activity
RT limit cycle
RT reaction intermediates

CHEMICAL REACTION YIELD
UF *yield (chemical reaction)*
BT1 yields
RT chemical reactions

CHEMICAL REACTIONS
UF+ *ionic reactions*
NT1 acylation
NT2 acetylation
NT2 benzoylation
NT1 alkylation
NT1 amination
NT1 aromatization
NT1 arylation
NT1 bosch process
NT1 carbonylation
NT1 carboxylation
NT1 chemisorption
NT1 claisen condensation
NT1 corrosion
NT2 crevice corrosion
NT2 electrochemical corrosion
NT2 fretting corrosion
NT2 intergranular corrosion
NT2 nodular corrosion
NT2 pitting corrosion
NT2 stress corrosion
NT1 cyclization
NT1 dealkylation
NT1 deamination
NT1 decarboxylation
NT1 decarburization
NT1 decomposition
NT2 autolysis
NT3 autoradiolysis
NT2 biodegradation
NT2 carbonization
NT3 coking
NT3 electrocarbonization
NT2 depolymerization
NT2 destructive distillation
NT2 glycolysis
NT2 hemolysis
NT2 photolysis
NT3 biophotolysis
NT2 proteolysis
NT3 fibrinolysis
NT2 pyrolysis
NT3 calcination
NT3 cracking
NT4 catalytic cracking
NT4 hydrocracking
NT4 thermal cracking
NT3 flash hydropyrolysis process
NT2 radiolysis
NT3 autoradiolysis
NT2 retorting
NT3 in-situ retorting
NT2 solvolysis
NT3 acetolysis
NT3 ammonolysis
NT3 hydrolysis
NT4 acid hydrolysis
NT4 alkaline hydrolysis
NT4 autohydrolysis
NT4 enzymatic hydrolysis
NT4 saccharification
NT4 saponification
NT1 dehalogenation
NT2 dechlorination
NT2 deiodination
NT1 dehydridation
NT1 dehydrocyclization
NT1 dehydrogenation
NT1 denitration
NT1 denitrification
NT2 combined soxnox processes
NT3 noxso process
NT2 selective catalytic reduction
NT1 dephenolization
NT1 derivatization
NT1 desulfurization
NT2 adip process
NT2 alkalized alumina process
NT2 ammonia-ammonium bisulfate process
NT2 battelle hydrothermal coal process
NT2 beavon process
NT2 benfield process
NT2 bergbauforschung process
NT2 cafb process
NT2 cea-adl dual alkali process
NT2 chiyoda thoroughbred process
NT2 citrate process
NT2 claus process
NT2 cng process
NT2 combined soxnox processes
NT3 noxso process
NT2 consol fgd process
NT2 fmc double alkali process
NT2 giammarco vetrocoke sulfur process
NT2 girbotol process
NT2 gravimelt process
NT2 gulf hds process
NT2 holmes-stretford process
NT2 jpl process
NT2 ledgemont process
NT2 lime-limestone wet scrubbing processes
NT3 bischoff process
NT2 magnesium slurry scrubbing process
NT2 meyers process
NT2 molecular sieve process
NT2 otto process
NT2 penelec process
NT2 perox process
NT2 purisol process
NT2 rectisol process
NT2 resox process
NT2 ric process

NT2 saarberg-holter process
NT2 scot process
NT2 selexol process
NT2 shell-uop copper oxide process
NT2 solinox process
NT2 sorbent injection processes
NT2 soxal process
NT2 stone and webster ionics process
NT2 stretford process
NT2 sulf-x process
NT2 sulfiban process
NT2 sulfinol process
NT2 sulfreen process
NT2 takahax process
NT2 thiosorbic process
NT2 trw process
NT2 ucap process
NT2 unisulf process
NT2 vacuum carbonate process
NT2 w-l sulfur dioxide recovery process
NT2 walther process
NT1 deuteration
NT1 diazotization
NT1 diels-alder reaction
NT1 esterification
NT1 fischer-tropsch synthesis
NT1 friedel-crafts reaction
NT1 halogenation
NT2 astatination
NT2 bromination
NT2 chlorination
NT3 sulfochlorination
NT2 fluorination
NT2 iodination
NT1 hydridation
NT1 hydrogenation
NT2 gulf hds process
NT1 hydroxylation
NT1 isomerization
NT1 methanation
NT1 methylation
NT1 nitration
NT1 nitridation
NT1 nitrification
NT1 oxidation
NT2 combustion
NT3 cocombustion
NT3 fluidized-bed combustion
NT3 in-situ combustion
NT3 pulse combustion
NT3 reverse combustion
NT3 spontaneous combustion
NT3 staged combustion
NT2 roasting
NT1 ozonization
NT1 partial oxidation processes
NT1 phosphorylation
NT1 photochemical reactions
NT2 photolysis
NT3 biophotolysis
NT2 photosynthesis
NT1 polymerization
NT2 copolymerization
NT2 cross-linking
NT2 dimerization
NT2 telomerization
NT1 redox reactions
NT1 reduction
NT2 bomb reduction
NT2 selective catalytic reduction
NT2 thermite process
NT1 reformer processes
NT2 autothermal reformer processes
NT2 catalytic reforming
NT2 steam reformer processes
NT1 steam-iron process
NT1 sulfation
NT1 sulfidation
NT1 sulfonation
NT2 sulfochlorination
NT1 water gas processes
RT acidification
RT affinity
RT catalysis
RT chemical preparation
RT chemical properties
RT chemical reaction yield
RT chemical reactors
RT chemical state
RT chemistry
RT equilibrium
RT fermentation
RT fluidized beds
RT fuel-cladding interactions
RT fuel-coolant interactions
RT hydrogen transfer
RT isotopic exchange
RT molten metal-water reactions
RT phosphoenolpyruvate
RT reaction intermediates
RT rock-fluid interactions
RT seed-slag interactions
RT stoichiometry
RT thermodynamic activity
RT waste-rock interactions

CHEMICAL REACTORS

INIS: Dec 1985; ETDE: Aug 1975
UF *vessels (chemical reactions)*
NT1 retorts
RT bioreactors
RT chemical reactions
RT containers
RT fluidized beds
RT loading rate

CHEMICAL SHIFT

RT nuclear magnetic resonance
RT spectral shift

chemical shimming

Use fluid poison control

CHEMICAL SPILLS

INIS: Sep 1991; ETDE: Feb 1980
BT1 accidents
RT chemical wastes
RT gas spills
RT hazardous materials spills
RT oil spills

CHEMICAL STATE

UF *speciation (chemical)*
RT anions
RT cations
RT chemical reactions
RT recoils

CHEMICAL VAPOR DEPOSITION

*BT1 chemical coating
RT vapor deposited coatings
RT vapor phase epitaxy
RT vapor plating

CHEMICAL WARFARE

INIS: Mar 1992; ETDE: Feb 1986
BT1 warfare
RT chemical warfare agents

CHEMICAL WARFARE AGENTS

INIS: Jul 1993; ETDE: Feb 1986
BT1 weapons
RT chemical warfare
RT toxic materials

CHEMICAL WASTES

INIS: Jul 1986; ETDE: Mar 1982
(For wastes which are of concern because of their chemical properties. See also RADIOACTIVE WASTES.)
UF *waste chemicals*
*BT1 nonradioactive wastes
NT1 chemical effluents
RT chemical spills
RT hazardous materials
RT industrial wastes
RT municipal wastes

chemically active fluidized bed process

Use cafb process

chemicals

See additives
OR chelating agents
OR detergents
OR developers
OR dyes
OR indicators
OR inorganic compounds
OR organic compounds
OR petrochemicals

chemico process

Use desulfurization

CHEMILUMINESCENCE

*BT1 luminescence
RT luminol

CHEMISORPTION

(Dissolution or adsorption followed by chemical reaction.)
BT1 chemical reactions
BT1 separation processes
BT1 sorption
RT adsorbents
RT adsorption
RT hydrogen storage
RT scrubbing

CHEMISTRY

NT1 atmospheric chemistry
NT1 biochemistry
NT2 blood chemistry
NT2 cytochemistry
NT1 cosmochemistry
NT1 electrochemistry
NT1 geochemistry
NT2 biogeochemistry
NT1 nuclear chemistry
NT1 petrochemistry
NT1 photochemistry
NT1 physical chemistry
NT1 radiation chemistry
NT1 radiochemistry
NT2 hot atom chemistry
NT3 szilard-chalmers reaction
NT1 soil chemistry
NT1 water chemistry
NT2 acid neutralizing capacity
RT chemical engineering
RT chemical properties
RT chemical reactions
RT qualitative chemical analysis
RT quantitative chemical analysis
RT stoichiometry

chemistry (water)

Use water chemistry

CHEMONUCLEAR REACTORS

*BT1 irradiation reactors

CHEMORECEPTORS
RT flavor
RT insects
RT odor
RT sense organs

CHEMOSTERILANTS
(A substance producing irreversible sterility in a reproductive system.)
RT alkylating agents
RT antimetabolites
RT sterilization

CHEMOTHERAPY
UF *pharmacotherapy*
*BT1 therapy
RT antiandrogens
RT antimitotic drugs
RT antineoplastic drugs
RT combined therapy
RT drugs
RT liposomes
RT misonidazole
RT neocarcinostatin

chemsweet process
Use desulfurization

CHENOPODIACEAE
INIS: Jan 1992; ETDE: Apr 1988
*BT1 magnoliopsida

cheralite
Use monazites

CHERENKOV COUNTERS
UF *cherenkov detectors*
*BT1 radiation detectors
RT cherenkov counting
RT stanford linear collider detector

CHERENKOV COUNTING
INIS: May 1993; ETDE: Oct 1975
BT1 counting techniques
RT cherenkov counters

cherenkov detectors
Use cherenkov counters

CHERENKOV RADIATION
UF *vavilov-cherenkov radiation*
*BT1 electromagnetic radiation
RT light cone

CHERNOBYLSK-1 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
(Ukraine)
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

CHERNOBYLSK-2 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
(Ukraine)
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

CHERNOBYLSK-3 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
(Ukraine)
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

CHERNOBYLSK-4 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
(Ukraine)
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors
RT pripet river

chernoff faces
Use computer graphics
AND data processing

CHEROKEE-1 REACTOR
(In Cherokee County, South Carolina, USA.)
*BT1 pwr type reactors

CHEROKEE-2 REACTOR
(In Cherokee County, South Carolina, USA.)
*BT1 pwr type reactors

CHEROKEE-3 REACTOR
(In Cherokee County, South Carolina, USA.)
*BT1 pwr type reactors

CHERRIES
*BT1 fruits
RT fruit trees
RT rosaceae

cherry fruit fly
Use fruit flies

CHERT
INIS: Apr 2000; ETDE: Jan 1975
*BT1 sedimentary rocks

CHESAPEAKE BAY
*BT1 atlantic ocean
*BT1 bays
RT maryland
RT mid-atlantic bight
RT virginia

cheshire event
Use anvil project

CHEST
UF *thorax*
BT1 body
NT1 mediastinum
RT diaphragm
RT heart
RT lungs
RT mammary glands
RT pleura
RT respiratory system
RT thymus

CHESTNUT TREES
INIS: Jan 1992; ETDE: Sep 1978
*BT1 magnoliopsida
*BT1 trees

CHESTNUTS
INIS: Jan 1982; ETDE: Feb 1982
*BT1 nuts

chevron coal liquefaction process
Use coal liquefaction

CHEW-LOW METHOD
BT1 calculation methods
RT strong interactions

chi-2800 resonances
Use mesons

chi-3410 resonances
Use chi0-3415 mesons

chi-3455 resonances
Use mesons

chi-3500 resonances
Use chi1-3510 mesons

chi-3550 resonances
Use chi2-3555 mesons

CHI B0-10235 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 bottomonium

CHI B0-9860 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 bottomonium

CHI B1-10255 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 bottomonium

CHI B1-9890 MESONS
INIS: Dec 1987; ETDE: Aug 1995
(Until July 1995 this concept was indexed by CHI B1-9895 MESONS.)
UF *chi b1-9895 mesons*
*BT1 axial vector mesons
*BT1 bottomonium

chi b1-9895 mesons
Use chi b1-9890 mesons

CHI B2-10270 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 bottomonium

CHI B2-9915 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 bottomonium
*BT1 tensor mesons

chi resonances
Use mesons

CHI0-3415 MESONS
INIS: Nov 1976; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by CHI-3410 RESONANCES.)
UF *chi-3410 resonances*
*BT1 charmonium
*BT1 scalar mesons

CHI1-3510 MESONS
INIS: Oct 1977; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by CHI-3500 RESONANCES.)
UF *chi-3500 resonances*
*BT1 axial vector mesons
*BT1 charmonium

CHI2-3555 MESONS
INIS: Sep 1977; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by CHI-3550 RESONANCES.)
UF *chi-3550 resonances*
*BT1 charmonium
*BT1 tensor mesons

chiberta event
Use anvil project

CHICAGO
INIS: Jul 1992; ETDE: Oct 1977
*BT1 illinois
BT1 urban areas

chicago cyclotron
Use isochronous cyclotrons

chicago pile-2 reactor
Use cp-2 reactor

chicago synchrocyclotron
Use synchrocyclotrons

CHICKENS
UF *hens*
*BT1 fowl
RT ascaridae

CHILDREN
BT1 age groups
*BT1 man
NT1 infants
RT adolescents
RT education
RT juveniles
RT life cycle
RT pediatrics
RT progeny

CHILE
BT1 developing countries
*BT1 south america
RT andes
RT el tatio geothermal field

CHIMERAS
BT1 mosaicism
NT1 radiation chimeras
RT immunity
RT spleen colony formation
RT transplants

CHIMNEYS
INIS: Aug 1975; ETDE: Jan 1975
(For gas disposal use STACKS.)
NT1 solar chimneys
RT cavities
RT exhaust systems
RT explosive stimulation
RT fireplaces
RT underground explosions

CHINA
UF *inner mongolia*
UF *peoples republic of china*
BT1 asia
NT1 taiwan
NT1 tibet
RT centrally planned economies
RT ciae
RT yangtze river
RT yellow river

china clay
Use kaolin

china experimental fast reactor
Use cefr reactor

china institute of atomic energy
Use ciae

CHINA SEA
INIS: Jan 1992; ETDE: Mar 1981
UF *east china sea*
UF *south china sea*
*BT1 pacific ocean

chinese bean oil
Use soybean oil

chinese hamster
Use hamsters

chinese hamster ovary cells
Use cho cells

CHINESE NNSA
INIS: Mar 1993; ETDE: Apr 1993
(National Nuclear Safety Administration)
*BT1 chinese organizations

CHINESE ORGANIZATIONS
INIS: May 1987; ETDE: Oct 1980
BT1 national organizations
NT1 chinese nnsa
NT1 ciae

chinese tallow tree
Use euphorbia

CHINON-1 REACTOR
(Avoine, Chinon, France)
UF *edf-1 reactor*
*BT1 carbon dioxide cooled reactors
*BT1 gcr type reactors
*BT1 power reactors
*BT1 thermal reactors

CHINON-2 REACTOR
(Avoine, Chinon, France)
UF *edf-2 reactor*
*BT1 carbon dioxide cooled reactors
*BT1 gcr type reactors
*BT1 power reactors
*BT1 thermal reactors

CHINON-3 REACTOR
(Avoine, Chinon, France)
UF *edf-3 reactor*
*BT1 carbon dioxide cooled reactors
*BT1 gcr type reactors
*BT1 power reactors
*BT1 thermal reactors

CHINON-B1 REACTOR
INIS: Feb 1995; ETDE: Feb 1995
*BT1 pwr type reactors

chinone
Use benzoquinones

CHINSHAN-1 REACTOR
(Taipei, Taiwan. This descriptor was spelled QINSHAN-1 REACTOR for items input in 1991, and prior to 1991 was spelled CHINSAN-1 REACTOR.)
*BT1 bwr type reactors

CHINSHAN-2 REACTOR
(Taipei, Taiwan. This descriptor was spelled QINSHAN-2 REACTOR for items input in 1991, and prior to 1991 was spelled CHINSAN-2 REACTOR.)
*BT1 bwr type reactors

chipmunks
Use rodents

chiral
Use enantiomorphs

CHIRAL SYMMETRY
BT1 symmetry
RT chirality

CHIRALITY
BT1 particle properties
RT angular momentum
RT chiral symmetry
RT helicity
RT quantum mechanics
RT spin

CHITIN
*BT1 mucopolysaccharides
RT glucosamine
RT polyacetals

CHIYODA THOROUGHBRED PROCESS
INIS: Apr 2000; ETDE: Dec 1977
(Wet process capable of high SOX removal from flue gas producting gypsum for resale or disposal.)
*BT1 desulfurization
RT waste processing

CHLAMYDOMONAS
*BT1 chlorophycota
*BT1 unicellular algae

chlor-alkali industry
Use chemical industry
AND chlorine
AND sodium carbonates
AND sodium hydroxides

CHLORAL
UF *trichloroacetaldehyde*
*BT1 aldehydes
*BT1 organic chlorine compounds
RT acetaldehyde

CHLORAMBUCIL
*BT1 amines
*BT1 antineoplastic drugs
*BT1 monocarboxylic acids
*BT1 organic chlorine compounds

chloramine-b
Use chloramines

chloramine-t
Use chloramines

CHLORAMINES
UF *chloramine-b*
UF *chloramine-t*
*BT1 amines
*BT1 organic chlorine compounds
RT amides
RT sulfonic acids

CHLORAMPHENICOL
*BT1 antibiotics

CHLORANIL
UF *tetrachlorobenzoquinone*
*BT1 benzoquinones
*BT1 organic chlorine compounds
RT chloranilic acid

CHLORANILIC ACID
*BT1 benzoquinones
RT chloranil
RT organic acids

CHLORATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 chlorine compounds
BT1 oxygen compounds
RT chloric acid

CHLORELLA
*BT1 chlorophycota
*BT1 unicellular algae

CHLORIC ACID
*BT1 chlorine compounds
*BT1 inorganic acids
BT1 oxygen compounds
RT chlorates

CHLORIDE VOLATILITY PROCESS
*BT1 pyrometallurgy

*BT1 reprocessing
RT distillation
RT refining
RT volatility

CHLORIDES

UF+ *actinium chlorides*
UF+ *fermium chlorides*
UF+ *francium chlorides*
UF+ *polonium chlorides*
*BT1 chlorine compounds
*BT1 halides
NT1 aluminium chlorides
NT1 americium chlorides
NT1 ammonium chlorides
NT1 antimony chlorides
NT1 argon chlorides
NT1 arsenic chlorides
NT1 astatine chlorides
NT1 barium chlorides
NT1 berkelium chlorides
NT1 beryllium chlorides
NT1 bismuth chlorides
NT1 boron chlorides
NT1 bromine chlorides
NT1 cadmium chlorides
NT1 calcium chlorides
NT1 californium chlorides
NT1 cerium chlorides
NT1 cesium chlorides
NT1 chromium chlorides
NT1 cobalt chlorides
NT1 copper chlorides
NT1 curium chlorides
NT1 dysprosium chlorides
NT1 einsteinium chlorides
NT1 element 104 chlorides
NT1 erbium chlorides
NT1 europium chlorides
NT1 gadolinium chlorides
NT1 gallium chlorides
NT1 germanium chlorides
NT1 gold chlorides
NT1 hafnium chlorides
NT1 helium chlorides
NT1 holmium chlorides
NT1 indium chlorides
NT1 iodine chlorides
NT1 iridium chlorides
NT1 iron chlorides
NT1 krypton chlorides
NT1 lanthanum chlorides
NT1 lead chlorides
NT1 lithium chlorides
NT1 lutetium chlorides
NT1 magnesium chlorides
NT1 manganese chlorides
NT1 mercury chlorides
NT1 methylene blue
NT1 molybdenum chlorides
NT1 neodymium chlorides
NT1 neon chlorides
NT1 neptunium chlorides
NT1 nickel chlorides
NT1 niobium chlorides
NT1 nitrogen chlorides
NT1 osmium chlorides
NT1 palladium chlorides
NT1 phosphorus chlorides
NT1 platinum chlorides
NT1 plutonium chlorides
NT1 potassium chlorides
NT1 praseodymium chlorides
NT1 promethium chlorides
NT1 protactinium chlorides
NT1 radium chlorides
NT1 rhenium chlorides
NT1 rhodium chlorides
NT1 rubidium chlorides
NT1 ruthenium chlorides
NT1 samarium chlorides
NT1 scandium chlorides
NT1 selenium chlorides
NT1 silicon chlorides
NT1 silver chlorides
NT1 sodium chlorides
NT1 strontium chlorides
NT1 sulfur chlorides
NT1 tantalum chlorides
NT1 technetium chlorides
NT1 tellurium chlorides
NT1 terbium chlorides
NT1 tetrazolium
NT1 thallium chlorides
NT1 thionyl chlorides
NT1 thorium chlorides
NT1 thulium chlorides
NT1 tin chlorides
NT1 titanium chlorides
NT1 tungsten chlorides
NT1 uranium chlorides
NT1 uranyl chlorides
NT1 vanadium chlorides
NT1 xenon chlorides
NT1 ytterbium chlorides
NT1 yttrium chlorides
NT1 zinc chlorides
NT1 zirconium chlorides
RT chlorine additions
RT hydrochloric acid
RT oxychlorides

CHLORIMET

INIS: Apr 2000; ETDE: Dec 1974
*BT1 molybdenum alloys
*BT1 nickel base alloys

CHLORINATED ALICYCLIC HYDROCARBONS

INIS: Apr 2000; ETDE: Feb 1975
*BT1 halogenated alicyclic hydrocarbons
*BT1 organic chlorine compounds
NT1 lindane

CHLORINATED ALIPHATIC HYDROCARBONS

(Prior to October 1991, this concept was indexed by ORGANIC CHLORINE COMPOUNDS.)
*BT1 halogenated aliphatic hydrocarbons
*BT1 organic chlorine compounds
NT1 carbon tetrachloride
NT1 chloroform
NT1 methyl chloride
NT1 pvc
NT1 vinyl chloride
RT chlorofluorocarbons

CHLORINATED AROMATIC HYDROCARBONS

*BT1 halogenated aromatic hydrocarbons
*BT1 organic chlorine compounds
NT1 aldrin
NT1 polychlorinated biphenyls

chlorinated hydrocarbons

Use organic chlorine compounds

CHLORINATION

*BT1 halogenation
NT1 sulfochlorination
RT dechlorination

CHLORINE

UF *chlorine chlorides*
UF+ *chlor-alkali industry*
*BT1 halogens

CHLORINE 31

*BT1 beta-plus decay radioisotopes
*BT1 chlorine isotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

CHLORINE 32

*BT1 beta-plus decay radioisotopes
*BT1 chlorine isotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

CHLORINE 33

*BT1 beta-plus decay radioisotopes
*BT1 chlorine isotopes
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

CHLORINE 34

*BT1 beta-plus decay radioisotopes
*BT1 chlorine isotopes
*BT1 isomeric transition isotopes
*BT1 light nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

CHLORINE 35

*BT1 chlorine isotopes
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes
RT chlorine 35 beams

CHLORINE 35 BEAMS

INIS: Nov 1975; ETDE: Jan 1975
*BT1 ion beams
RT chlorine 35

CHLORINE 35 REACTIONS

*BT1 heavy ion reactions

CHLORINE 35 TARGET

BT1 targets

CHLORINE 36

*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 chlorine isotopes
*BT1 electron capture radioisotopes
*BT1 light nuclei
*BT1 odd-odd nuclei
*BT1 years living radioisotopes

CHLORINE 36 TARGET

INIS: Jul 1985; ETDE: Aug 1985
BT1 targets

CHLORINE 37

*BT1 chlorine isotopes
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes
RT chlorine 37 reactions

CHLORINE 37 BEAMS

INIS: Aug 1993; ETDE: Aug 1993
*BT1 ion beams

CHLORINE 37 REACTIONS

*BT1 heavy ion reactions
RT chlorine 37

CHLORINE 37 TARGET

BT1 targets

CHLORINE 38

*BT1 beta-minus decay radioisotopes

*BT1 chlorine isotopes
*BT1 isomeric transition isotopes
*BT1 light nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

CHLORINE 39

*BT1 beta-minus decay radioisotopes
*BT1 chlorine isotopes
*BT1 light nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

CHLORINE 39 BEAMS

INIS: Dec 1986; ETDE: Feb 1987
*BT1 radioactive ion beams

CHLORINE 40

*BT1 beta-minus decay radioisotopes
*BT1 chlorine isotopes
*BT1 light nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

CHLORINE 41

*BT1 beta-minus decay radioisotopes
*BT1 chlorine isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

CHLORINE 42

*BT1 chlorine isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

CHLORINE 43

INIS: Mar 1977; ETDE: Dec 1976
*BT1 chlorine isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

CHLORINE 44

INIS: Mar 1976; ETDE: Feb 1976
*BT1 chlorine isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

CHLORINE 45

INIS: Apr 1986; ETDE: Jul 1986
*BT1 chlorine isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

CHLORINE 46

INIS: Sep 1989; ETDE: Oct 1989
*BT1 chlorine isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

CHLORINE 47

INIS: Sep 1989; ETDE: Oct 1989
*BT1 chlorine isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

CHLORINE 48

INIS: Sep 1989; ETDE: Oct 1989
*BT1 chlorine isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

CHLORINE 49

INIS: Sep 1989; ETDE: Oct 1989
*BT1 chlorine isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

CHLORINE 51

INIS: Apr 1990; ETDE: May 1990
*BT1 chlorine isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

CHLORINE ADDITIONS

RT chlorides
RT crystal doping
RT doped materials

chlorine bromides

Use bromine chlorides

chlorine chlorides

Use chlorine

CHLORINE COMPLEXES

BT1 complexes

CHLORINE COMPOUNDS

UF+ *chlorites*
BT1 halogen compounds
NT1 chlorates
NT1 chloric acid
NT1 chlorides
NT2 aluminium chlorides
NT2 americium chlorides
NT2 ammonium chlorides
NT2 antimony chlorides
NT2 argon chlorides
NT2 arsenic chlorides
NT2 astatine chlorides
NT2 barium chlorides
NT2 berkelium chlorides
NT2 beryllium chlorides
NT2 bismuth chlorides
NT2 boron chlorides
NT2 bromine chlorides
NT2 cadmium chlorides
NT2 calcium chlorides
NT2 californium chlorides
NT2 cerium chlorides
NT2 cesium chlorides
NT2 chromium chlorides
NT2 cobalt chlorides
NT2 copper chlorides
NT2 curium chlorides
NT2 dysprosium chlorides
NT2 einsteinium chlorides
NT2 element 104 chlorides
NT2 erbium chlorides
NT2 europium chlorides
NT2 gadolinium chlorides
NT2 gallium chlorides
NT2 germanium chlorides
NT2 gold chlorides
NT2 hafnium chlorides
NT2 helium chlorides
NT2 holmium chlorides
NT2 indium chlorides
NT2 iodine chlorides
NT2 iridium chlorides
NT2 iron chlorides
NT2 krypton chlorides
NT2 lanthanum chlorides
NT2 lead chlorides
NT2 lithium chlorides
NT2 lutetium chlorides
NT2 magnesium chlorides
NT2 manganese chlorides
NT2 mercury chlorides
NT2 methylene blue
NT2 molybdenum chlorides
NT2 neodymium chlorides
NT2 neon chlorides
NT2 neptunium chlorides
NT2 nickel chlorides
NT2 niobium chlorides
NT2 nitrogen chlorides
NT2 osmium chlorides
NT2 palladium chlorides
NT2 phosphorus chlorides
NT2 platinum chlorides
NT2 plutonium chlorides
NT2 potassium chlorides
NT2 praseodymium chlorides
NT2 promethium chlorides
NT2 protactinium chlorides
NT2 radium chlorides
NT2 rhenium chlorides
NT2 rhodium chlorides
NT2 rubidium chlorides
NT2 ruthenium chlorides
NT2 samarium chlorides
NT2 scandium chlorides
NT2 selenium chlorides
NT2 silicon chlorides
NT2 silver chlorides
NT2 sodium chlorides
NT2 strontium chlorides
NT2 sulfur chlorides
NT2 tantalum chlorides
NT2 technetium chlorides
NT2 tellurium chlorides
NT2 terbium chlorides
NT2 tetrazolium
NT2 thallium chlorides
NT2 thionyl chlorides
NT2 thorium chlorides
NT2 thulium chlorides
NT2 tin chlorides
NT2 titanium chlorides
NT2 tungsten chlorides
NT2 uranium chlorides
NT2 uranyl chlorides
NT2 vanadium chlorides
NT2 xenon chlorides
NT2 ytterbium chlorides
NT2 yttrium chlorides
NT2 zinc chlorides
NT2 zirconium chlorides
NT1 chlorine fluorides
NT1 chlorine nitrates
NT1 chlorine oxides
NT1 chlorous acid
NT1 hydrochloric acid
NT1 hypochlorous acid
NT1 oxychlorides
NT1 perchlorates
NT2 aluminium perchlorates
NT2 americium perchlorates
NT2 ammonium perchlorates
NT2 barium perchlorates
NT2 cadmium perchlorates
NT2 calcium perchlorates
NT2 cerium perchlorates
NT2 cesium perchlorates
NT2 chromium perchlorates
NT2 cobalt perchlorates
NT2 copper perchlorates
NT2 erbium perchlorates
NT2 europium perchlorates
NT2 gadolinium perchlorates
NT2 hafnium perchlorates
NT2 holmium perchlorates
NT2 indium perchlorates
NT2 iron perchlorates
NT2 lanthanum perchlorates
NT2 lead perchlorates
NT2 lithium perchlorates
NT2 magnesium perchlorates
NT2 mercury perchlorates
NT2 neodymium perchlorates
NT2 neptunium perchlorates
NT2 potassium perchlorates
NT2 praseodymium perchlorates
NT2 rubidium perchlorates
NT2 samarium perchlorates
NT2 scandium perchlorates
NT2 silver perchlorates
NT2 sodium perchlorates

NT2 strontium perchlorates
NT2 terbium perchlorates
NT2 thulium perchlorates
NT2 uranium perchlorates
NT2 uranyl perchlorates
NT2 ytterbium perchlorates
NT2 yttrium perchlorates
NT2 zinc perchlorates
NT2 zirconium perchlorates
NT1 perchloric acid
RT organic chlorine compounds

CHLORINE FLUORIDES
UF *fluorine chlorides*
*BT1 chlorine compounds
*BT1 fluorides

chlorine iodides
Use iodine chlorides

CHLORINE IONS
*BT1 ions

CHLORINE ISOTOPES
BT1 isotopes
NT1 chlorine 31
NT1 chlorine 32
NT1 chlorine 33
NT1 chlorine 34
NT1 chlorine 35
NT1 chlorine 36
NT1 chlorine 37
NT1 chlorine 38
NT1 chlorine 39
NT1 chlorine 40
NT1 chlorine 41
NT1 chlorine 42
NT1 chlorine 43
NT1 chlorine 44
NT1 chlorine 45
NT1 chlorine 46
NT1 chlorine 47
NT1 chlorine 48
NT1 chlorine 49
NT1 chlorine 51

chlorine logs
Use neutron-gamma logging

CHLORINE NITRATES
INIS: Apr 2000; ETDE: Oct 1989
*BT1 chlorine compounds
*BT1 nitrates

CHLORINE OXIDES
*BT1 chlorine compounds
*BT1 oxides
RT oxychlorides

CHLORINS
INIS: Apr 2000; ETDE: Jul 1981
*BT1 porphyrins
RT cytochromes

CHLORITE MINERALS
(Greenish, platyhydrous monoclinic silicates of aluminium, ferrous iron, and magnesium.)
UF *chlorites (minerals)*
*BT1 silicate minerals

chlorites
Use chlorine compounds
AND oxygen compounds

chlorites (minerals)
Use chlorite minerals

chlormerodrin
Use neohydrin

chlorobutadiene
Use neoprene

CHLOROFLUOROCARBONS
INIS: Jun 1992; ETDE: Apr 1992
UF *cfc*
*BT1 organic chlorine compounds
*BT1 organic fluorine compounds
RT chlorinated aliphatic hydrocarbons
RT fluorinated aliphatic hydrocarbons
RT freons
RT greenhouse gases
RT ozone layer
RT refrigerants

CHLOROFORM
UF *trichloromethane*
*BT1 chlorinated aliphatic hydrocarbons
RT anesthetics
RT methane
RT organic solvents

chloromethane
Use methyl chloride

CHLOROPHYCOTA
INIS: Dec 1991; ETDE: Dec 1988
*BT1 algae
NT1 acetabularia
NT1 chlamydomonas
NT1 chlorella
NT1 nitella
NT1 scenedesmus

CHLOROPHYLL
*BT1 phytochromes
*BT1 porphyrins
RT chlorophyll-binding proteins
RT chloroplasts
RT chlorosis
RT leaves
RT photosynthesis
RT photosynthetic reaction centers
RT plants

CHLOROPHYLL-BINDING PROTEINS
INIS: Apr 2000; ETDE: Nov 1986
BT1 photosynthetic reaction centers
*BT1 proteins
RT chlorophyll
RT photosynthetic membranes

CHLOROPLASTS
BT1 cell constituents
RT c4 species
RT calvin cycle species
RT chlorophyll
RT photosynthesis
RT plant cells
RT ribulose diphosphate carboxylase

chloroprene
Use neoprene

CHLOROSIS
INIS: Jun 1992; ETDE: Nov 1985
BT1 pathological changes
RT chlorophyll
RT leaves
RT plant diseases
RT plant tissues
RT symptoms

chlorothiazide
Use diuretics

CHLOROURACILS
INIS: Jun 1983; ETDE: Nov 1982
*BT1 organic chlorine compounds
*BT1 uracils

CHLOROUS ACID
*BT1 chlorine compounds
*BT1 inorganic acids
BT1 oxygen compounds

CHLORPROMAZINE
*BT1 amines
*BT1 hypnotics and sedatives
*BT1 organic chlorine compounds
*BT1 phenothiazines
*BT1 tranquilizers

chlortetracycline
Use tetracyclines

CHO CELLS
INIS: Jan 1984; ETDE: Sep 1983
UF *chinese hamster ovary cells*
*BT1 somatic cells
RT cell cultures

CHOLANTHRENE
*BT1 condensed aromatics

CHOLECALCIFEROL
UF *vitamin d-3*
*BT1 vitamin d

CHOLERA
*BT1 bacterial diseases

CHOLESTEROL
*BT1 sterols
RT lipids
RT myelin

CHOLIC ACID
*BT1 bile acids

CHOLINE
*BT1 alcohols
*BT1 lipotropic factors
*BT1 quaternary compounds
RT acetylcholine
RT lecithins
RT lipids

CHOLINESTERASE
(Code number 3.1.1.7 and 3.1.1.8.)
*BT1 carboxylesterases
RT acetylcholine

CHONDRITES
*BT1 stone meteorites

CHONDROITIN
*BT1 mucopolysaccharides
RT mucoproteins

chondrosarcomas
Use sarcomas
AND skeletal diseases

chooz b-1 reactor
Use ardennes b-1 reactor

chooz reactor
Use ardennes reactor

choppers (beam)
Use beam pulsers

choppers (neutron)
Use neutron choppers

chordates
Use vertebrates

chorioallantoic membrane
Use fetal membranes

choroid
Use uvea

christmas trees
Use wellheads

CHROMATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 chromium compounds
BT1 oxygen compounds
RT chromic acid
RT chromium oxides

CHROMATIC ABERRATIONS
RT beam optics

chromatid deletions
Use chromosomal aberrations

CHROMATIDS
RT chromatin
RT chromosomes
RT human chromosomes
RT sister chromatid exchanges

CHROMATIN
NT1 heterochromatin
NT1 nucleosomes
NT1 sex chromatin
RT achromatic lesions
RT cell nuclei
RT centromeres
RT chromatids
RT chromosomes
RT human chromosomes

chromatographic columns
Use extraction columns

CHROMATOGRAPHY
UF *paper chromatography*
UF *partition chromatography*
BT1 separation processes
NT1 extraction chromatography
NT1 gas chromatography
NT1 gel permeation chromatography
NT1 ion exchange chromatography
NT1 liquid column chromatography
NT1 radiochromatography
NT1 supercritical fluid chromatography
NT1 thermochromatography
NT1 thin-layer chromatography
RT counter current

chrome violet
Use hydroxy acids
AND triphenylmethane dyes

CHROMEL
*BT1 nickel base alloys
NT1 alloy-ni60fe24cr16
NT2 nichrome
NT1 alloy-ni80cr20

chromel a
Use alloy-ni80cr20

chromel c
Use alloy-ni60fe24cr16

CHROMIC ACID
*BT1 chromium compounds
*BT1 inorganic acids
BT1 oxygen compounds
RT chromates
RT chromium oxides

CHROMITES
INIS: May 1980; ETDE: Jul 1996
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 chromium compounds
BT1 oxygen compounds
RT chromium oxides

CHROMIUM
*BT1 transition elements

CHROMIUM 42
INIS: Nov 1988; ETDE: Dec 1988
*BT1 beta-plus decay radioisotopes
*BT1 chromium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei

CHROMIUM 43
*BT1 chromium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei

CHROMIUM 44
*BT1 chromium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei

CHROMIUM 45
*BT1 beta-plus decay radioisotopes
*BT1 chromium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

CHROMIUM 46
*BT1 beta-plus decay radioisotopes
*BT1 chromium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

CHROMIUM 47
*BT1 beta-plus decay radioisotopes
*BT1 chromium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

CHROMIUM 48
*BT1 chromium isotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei

CHROMIUM 49
*BT1 beta-plus decay radioisotopes
*BT1 chromium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

CHROMIUM 50
*BT1 chromium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes

CHROMIUM 50 TARGET
BT1 targets

CHROMIUM 51
*BT1 chromium isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei

CHROMIUM 52
*BT1 chromium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes

CHROMIUM 52 REACTIONS
INIS: Apr 1977; ETDE: Jun 1977
*BT1 heavy ion reactions

CHROMIUM 52 TARGET
BT1 targets

CHROMIUM 53
*BT1 chromium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes

CHROMIUM 53 TARGET
BT1 targets

CHROMIUM 54
*BT1 chromium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes

CHROMIUM 54 REACTIONS
INIS: Feb 1978; ETDE: Apr 1978
*BT1 heavy ion reactions

CHROMIUM 54 TARGET
BT1 targets

CHROMIUM 55
*BT1 beta-minus decay radioisotopes
*BT1 chromium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

CHROMIUM 56
*BT1 beta-minus decay radioisotopes
*BT1 chromium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

CHROMIUM 56 TARGET
INIS: Jul 1981; ETDE: Aug 1981
BT1 targets

CHROMIUM 57
*BT1 beta-minus decay radioisotopes
*BT1 chromium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

CHROMIUM 58
*BT1 beta-minus decay radioisotopes
*BT1 chromium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

CHROMIUM 59
INIS: Nov 1980; ETDE: Nov 1980
*BT1 beta-minus decay radioisotopes
*BT1 chromium isotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

CHROMIUM 60
INIS: Aug 1986; ETDE: Jan 1981
*BT1 beta-minus decay radioisotopes
*BT1 chromium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

CHROMIUM 61
INIS: Aug 1986; ETDE: Sep 1986
*BT1 chromium isotopes

*BT1 even-odd nuclei
*BT1 intermediate mass nuclei

CHROMIUM 62

INIS: Aug 1986; ETDE: Sep 1986
*BT1 chromium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei

CHROMIUM ADDITIONS

(Alloys containing not more than 1% Cr are listed here.)
*BT1 chromium alloys
NT1 alloy-ni65mo28fe5
NT2 hastelloy b
NT1 alloy-zr98sn-2
NT2 zircaloy 2
NT1 alloy-zr98sn-4
NT2 zircaloy 4
NT1 steel-crmo
NT1 steel-crni
NT1 steel-mncumo
NT2 steel-astm-a537
NT1 steel-ni3cr
NT1 steel-nicr
NT1 steel-nicrmo
NT1 steel-nimocr

CHROMIUM ALLOYS

(Alloys containing more than 1% Cr.)
UF *alloy-50kh4n6g12f2v*
UF+ *alloy-co64cr29w4*
UF+ *alloy-co66cr26w6*
UF+ *alloy-ehi 868*
UF+ *alloy-ehp-567*
UF+ *alloy-fe48cr24ni24*
UF+ *alloy-in-519*
UF+ *alloy-khn60b*
UF+ *alloy-khn60v*
UF+ *alloy-ni60cr25w15*
UF+ *alloy-ni65mo16cr15w4*
UF+ *alloy-ni78cr16al4*
UF+ *alloy-vzh98*
UF+ *in 519*
UF+ *inconel 702*
UF+ *manaurite 900*
UF+ *nickel-chromium steels*
UF+ *refractaloy*
UF+ *rezistal*
UF+ *sichromal alloys*
UF+ *steel-000kh20n20*
UF+ *steel-1-kh18n20t3p*
UF+ *steel-37khn3t*
UF+ *steel-40kh2n5sm*
UF+ *steel-kh12n20t3p*
UF+ *steel-kh18n22v2t2*
UF+ *steel-khn35vt*
UF+ *steel-n26kht1*
UF+ *steel-vzh102*
UF+ *stellite 156*
SF *alloy-0kh12n13m*
SF *steel-60kh3g8n8v*
*BT1 transition element alloys
NT1 alloy-b-1900
NT1 alloy-co36cr22ni22w15fe3
NT2 haynes 188 alloy
NT1 alloy-co43cr20fe18ni13w3
NT2 havar
NT1 alloy-co54cr20w15ni10
NT2 alloy-hs-25
NT2 haynes 25 alloy
NT1 alloy-co60cr30w4
NT2 stellite 6
NT1 alloy-d-979
NT1 alloy-fe40ni35cr22
NT1 alloy-fe44ni33cr21
NT2 incoloy 800h
NT1 alloy-fe46ni33cr21
NT2 incoloy 800
NT2 incoloy 802
NT1 alloy-in-102
NT1 alloy-khn50mbvyu
NT1 alloy-mar-m246
NT1 alloy-mn-21
NT1 alloy-mo-re-1
NT1 alloy-mp35n
NT1 alloy-ni41fe40cr16nb3
NT2 inconel 706
NT1 alloy-ni43fe30cr22mo3
NT2 incoloy 825
NT1 alloy-ni43fe33cr16mo3
NT2 nimonic pe16
NT1 alloy-ni45fe34cr20
NT1 alloy-ni46cr23co19ti5al4
NT2 alloy-in-939
NT1 alloy-ni49cr22fe18mo9
NT2 hastelloy x
NT1 alloy-ni50co20cr15al5mo5
NT2 nimonic 105
NT1 alloy-ni50cr22fe18mo9
NT2 hastelloy xr
NT1 alloy-ni50mo32cr15si3
NT1 alloy-ni51cr48
NT2 inconel 671
NT1 alloy-ni53cr19fe19nb5mo3
NT2 inconel 718
NT1 alloy-ni54cr22co13mo9
NT2 inconel 617
NT1 alloy-ni54mo17cr16fe6w4
NT2 hastelloy c
NT1 alloy-ni55co17cr15mo5al4ti4
NT2 astroloy
NT1 alloy-ni55cr19co11mo10ti3
NT2 rene 41
NT1 alloy-ni58cr20co14mo4ti3
NT2 waspaloy
NT1 alloy-ni59cr20co17ti2
NT1 alloy-ni59cr30fe9
NT2 inconel 690
NT1 alloy-ni60co15cr10al6ti5mo3
NT2 alloy-in-100
NT1 alloy-ni60fe24cr16
NT2 nichrome
NT1 alloy-ni61cr16co9al3ti3w3
NT2 alloy-in-738
NT1 alloy-ni61cr22mo9nb4fe3
NT2 inconel 625
NT1 alloy-ni61cr23fe14
NT1 alloy-ni62cr16mo15fe3
NT2 hastelloy s
NT1 alloy-ni65cr25mo10
NT2 nimonic 86
NT1 alloy-ni70mo17cr7fe5
NT2 hastelloy n
NT2 inor-8
NT1 alloy-ni73cr15fe7ti3
NT2 inconel x750
NT1 alloy-ni73cr20mn3nb3
NT2 inconel 82
NT1 alloy-ni74cr13al6mo4
NT2 inconel 713c
NT1 alloy-ni75cr12al6mo5
NT2 inconel 713lc
NT1 alloy-ni76cr15fe8
NT2 inconel 600
NT1 alloy-ni76cr20ti2
NT2 nimonic 80a
NT1 alloy-ni77cr20ti2
NT1 alloy-ni78cr21
NT1 alloy-ni80cr20
NT1 alloy-ra-333
NT1 alloy-s-590
NT1 alloy-s-816
NT1 alloy-ti78cr11mo7al3
NT1 alloy-ti88mo8al3
NT1 alloy-ti91al5cr2
NT1 alloy-v-36
NT1 alloy-v87cr9fe3
NT1 ascoloy
NT1 chromium additions
NT2 alloy-ni65mo28fe5
NT3 hastelloy b
NT2 alloy-zr98sn-2
NT3 zircaloy 2
NT2 alloy-zr98sn-4
NT3 zircaloy 4
NT2 steel-crmo
NT2 steel-crni
NT2 steel-mncumo
NT3 steel-astm-a537
NT2 steel-ni3cr
NT2 steel-nicr
NT2 steel-nicrmo
NT2 steel-nimocr
NT1 chromium base alloys
NT2 alloy-mo-re-2
NT1 chromium steels
NT2 chromium-molybdenum steels
NT3 chromium-nickel-molybdenum steels
NT4 alloy-m-813
NT4 steel-cr11ni10mo2ti-l
NT4 steel-cr15ni15motib
NT4 steel-cr16ni13monbv
NT4 steel-cr16ni15mo3nb
NT4 steel-cr16ni16monb
NT4 steel-cr16ni8mo2
NT5 stainless steel-16-8-2
NT4 steel-cr16ni9mo2
NT4 steel-cr17ni12mo3
NT5 stainless steel-316
NT4 steel-cr17ni12mo3-l
NT5 stainless steel-316l
NT5 stainless steel-zcnd17-13
NT4 steel-cr17ni12monb
NT4 steel-cr17ni13mo2ti
NT4 steel-cr17ni13mo3ti
NT4 steel-ni26cr15ti2movalb
NT5 alloy-a-286
NT2 magnet steel-ks
NT2 miduale
NT2 stainless steel-406
NT2 steel-cr10mo2
NT2 steel-cr12
NT3 stainless steel-403
NT2 steel-cr12moniv
NT2 steel-cr12mov
NT3 alloy-ht-9
NT2 steel-cr13
NT3 stainless steel-410
NT2 steel-cr13al
NT3 stainless steel-405
NT2 steel-cr16
NT3 stainless steel-430
NT2 steel-cr16ni
NT2 steel-cr17cu4ni4nb-l
NT3 stainless steel-17-4ph
NT2 steel-cr17mo
NT3 stainless steel-440
NT2 steel-cr17ni4mo3
NT2 steel-cr18
NT2 steel-cr25
NT3 stainless steel-446
NT2 steel-cr9mo
NT2 steel-cr9monbv
NT1 chromium-nickel steels
NT2 alloy-d-9
NT2 carpenter
NT2 chromium-nickel-molybdenum steels
NT3 alloy-m-813
NT3 steel-cr11ni10mo2ti-l
NT3 steel-cr15ni15motib
NT3 steel-cr16ni13monbv
NT3 steel-cr16ni15mo3nb
NT3 steel-cr16ni16monb
NT3 steel-cr16ni8mo2

NT4 stainless steel-16-8-2
NT3 steel-cr16ni9mo2
NT3 steel-cr17ni12mo3
NT4 stainless steel-316
NT3 steel-cr17ni12mo3-l
NT4 stainless steel-316l
NT4 stainless steel-zcnd17-13
NT3 steel-cr17ni12monb
NT3 steel-cr17ni13mo2ti
NT3 steel-cr17ni13mo3ti
NT3 steel-ni26cr15ti2movalb
NT4 alloy-a-286
NT2 durco
NT2 enduro
NT2 stainless steel-17-7ph
NT2 stainless steel-303
NT2 stainless steel-329
NT2 stainless steel-ph-15-7-mo
NT2 steel-cr17ni13
NT2 steel-cr17ni7
NT3 stainless steel-301
NT2 steel-cr18ni10
NT3 stainless steel-18-10
NT2 steel-cr18ni10-l
NT2 steel-cr18ni10ti
NT3 stainless steel-321
NT2 steel-cr18ni11
NT3 steel-x6crni1811
NT2 steel-cr18ni11nb
NT3 stainless steel-347
NT2 steel-cr18ni11nbco
NT3 stainless steel-348
NT2 steel-cr18ni12
NT3 stainless steel-305
NT2 steel-cr18ni12ti
NT2 steel-cr18ni8
NT3 stainless steel-18-8
NT2 steel-cr18ni9
NT3 stainless steel-302
NT2 steel-cr18ni9ti
NT2 steel-cr19ni10
NT3 stainless steel-304
NT2 steel-cr19ni10-l
NT3 stainless steel-304l
NT2 steel-cr20ni11
NT3 stainless steel-308
NT2 steel-cr20ni11-l
NT3 stainless steel-308l
NT2 steel-cr23ni14
NT3 stainless steel-309
NT3 stainless steel-309s
NT2 steel-cr23ni18
NT2 steel-cr25ni20
NT3 alloy-hk-40
NT3 stainless steel-310
NT2 steel-ni25cr20
NT3 stainless steel-20-25
NT2 steel-ni36cr12ti3al-l
NT2 timken alloys
NT1 colmonoy
NT1 discaloy
NT1 ge 2541
NT1 hoskins 875
NT1 illium
NT1 incoloy 901
NT1 kanthal
NT1 konel
NT1 magnesium alloy-zr
NT1 misco metal
NT1 ni-hard
NT1 ni-o-nel
NT1 nicrobraz 50
NT1 nimonic 115
NT1 rene 80
NT1 rene 95
NT1 rene-100
NT1 sicromo 9m
NT1 steel-cd-4mcu
NT1 steel-cr21mn9ni6
NT2 stainless steel-21-6-9
NT1 steel-cr2mo
NT2 steel-astm-a542
NT1 steel-cr2moninb
NT1 steel-cr2mov
NT1 steel-cr2nimov
NT1 steel-cr5mo
NT1 steel-cralnimo
NT1 steel-crmov
NT1 steel-ni3crmo
NT2 steel-astm-a543
NT1 steel-ni3crmov
NT1 steel-ni4crw
NT1 supertherm
NT1 sweetalloy
NT1 td-nickel chromium
NT1 tophet
NT1 tribaloy 400
NT1 tribaloy 800
NT1 udimet alloys
NT2 alloy-ni53co19cr15mo5al4ti3
NT3 udimet 700
NT2 udimet 500
NT1 vitallium

CHROMIUM BASE ALLOYS

*BT1 chromium alloys
NT1 alloy-mo-re-2

CHROMIUM BORIDES

*BT1 borides
*BT1 chromium compounds

CHROMIUM BROMIDES

*BT1 bromides
*BT1 chromium compounds

CHROMIUM CARBIDES

*BT1 carbides
*BT1 chromium compounds

CHROMIUM CHLORIDES

*BT1 chlorides
*BT1 chromium compounds

CHROMIUM COMPLEXES

*BT1 transition element complexes

CHROMIUM COMPOUNDS

BT1 transition element compounds
NT1 chromates
NT1 chromic acid
NT1 chromites
NT1 chromium borides
NT1 chromium bromides
NT1 chromium carbides
NT1 chromium chlorides
NT1 chromium fluorides
NT1 chromium hydrides
NT1 chromium hydroxides
NT1 chromium iodides
NT1 chromium nitrates
NT1 chromium nitrides
NT1 chromium oxides
NT1 chromium perchlorates
NT1 chromium phosphates
NT1 chromium selenides
NT1 chromium silicates
NT1 chromium silicides
NT1 chromium sulfates
NT1 chromium sulfides
NT1 chromium tellurides
NT1 dichromates

CHROMIUM FLUORIDES

*BT1 chromium compounds
*BT1 fluorides

CHROMIUM HYDRIDES

INIS: Jul 1978; ETDE: Jan 1975
*BT1 chromium compounds
*BT1 hydrides

CHROMIUM HYDROXIDES

*BT1 chromium compounds
*BT1 hydroxides

CHROMIUM IODIDES

*BT1 chromium compounds
*BT1 iodides

CHROMIUM IONS

*BT1 ions

CHROMIUM ISOTOPES

BT1 isotopes
NT1 chromium 42
NT1 chromium 43
NT1 chromium 44
NT1 chromium 45
NT1 chromium 46
NT1 chromium 47
NT1 chromium 48
NT1 chromium 49
NT1 chromium 50
NT1 chromium 51
NT1 chromium 52
NT1 chromium 53
NT1 chromium 54
NT1 chromium 55
NT1 chromium 56
NT1 chromium 57
NT1 chromium 58
NT1 chromium 59
NT1 chromium 60
NT1 chromium 61
NT1 chromium 62

CHROMIUM-MOLYBDENUM STEELS

(Steels containing Cr and Mo as main alloying elements; Cr content is higher than Mo content. Until November 1983 this was a valid descriptor. From November 1983 until September 1994 the concept was indexed to CHROMIUM ALLOYS, MOLYBDENUM ALLOYS and the most specific appropriate term from the STEELS hierarchy.)

UF *steel-15khg2sfmr*
UF *steel-20khmf*
UF *steel-2kh8v8m2k8*
UF *steel-38kh5msfa*
UF *steel-z10cdv7*
*BT1 chromium steels
*BT1 molybdenum alloys
NT1 chromium-nickel-molybdenum steels
NT2 alloy-m-813
NT2 steel-cr11ni10mo2ti-l
NT2 steel-cr15ni15motib
NT2 steel-cr16ni13monbv
NT2 steel-cr16ni15mo3nb
NT2 steel-cr16ni16monb
NT2 steel-cr16ni8mo2
NT3 stainless steel-16-8-2
NT2 steel-cr16ni9mo2
NT2 steel-cr17ni12mo3
NT3 stainless steel-316
NT2 steel-cr17ni12mo3-l
NT3 stainless steel-316l
NT3 stainless steel-zcnd17-13
NT2 steel-cr17ni12monb
NT2 steel-cr17ni13mo2ti
NT2 steel-cr17ni13mo3ti
NT2 steel-ni26cr15ti2movalb
NT3 alloy-a-286

CHROMIUM-NICKEL-MOLYBDENUM STEELS

INIS: Nov 1983; ETDE: Dec 1988
(Cr-Ni steels containing Mo.)

UF *steel-42kh2gsnm*

UF *steel-ehp699*
UF *steel-kh14k9n6m5*
UF *steel-kh15n20m2t2*
UF *steel-kh17n5m3*
UF+ *steel-13cr6nimo*
UF+ *steel-cr13ni6mo-l*
UF+ *steel-ni17cr14moti-l*
*BT1 chromium-molybdenum steels
*BT1 chromium-nickel steels
NT1 alloy-m-813
NT1 steel-cr11ni10mo2ti-l
NT1 steel-cr15ni15motib
NT1 steel-cr16ni13monbv
NT1 steel-cr16ni15mo3nb
NT1 steel-cr16ni16monb
NT1 steel-cr16ni8mo2
NT2 stainless steel-16-8-2
NT1 steel-cr16ni9mo2
NT1 steel-cr17ni12mo3
NT2 stainless steel-316
NT1 steel-cr17ni12mo3-l
NT2 stainless steel-316l
NT2 stainless steel-zcnd17-13
NT1 steel-cr17ni12monb
NT1 steel-cr17ni13mo2ti
NT1 steel-cr17ni13mo3ti
NT1 steel-ni26cr15ti2movalb
NT2 alloy-a-286

CHROMIUM-NICKEL STEELS

(High alloy steels containing Cr and Ni as important alloying elements. Prior to November 1983 this descriptor included only steels in which the Cr content was higher than the Ni content.)
UF *stainless steel-z2cn18-10n*
UF *stainless steel-z3cmn18-8-6n*
UF *stainless steel-z3cnd18-13*
UF *stainless steel-z6cnd17-13b*
UF *stainless steel-z6cndt17-13b*
UF *stainless steel-z6cnt18-12b*
UF *steel-000kh18n13*
UF *steel-000kh20n16ag6*
UF *steel-03kh11n10m2tk6*
UF *steel-0kh19nt*
UF *steel-18kh16n6*
UF *steel-1kh16n14v2br ehp17*
UF *steel-1kh16n4b*
UF *steel-20kh2n2m*
UF *steel-20khn3mf*
UF *steel-2kh18n8v2*
UF *steel-3kh15n13yu3*
UF *steel-4kh12n8g8mfb*
UF *steel-4kh14nv2m*
UF *steel-din-1-4449*
UF *steel-kh14n8yum2*
UF *steel-kh15n7yum2*
UF *steel-kh15n9yu*
UF *steel-kh18n8*
UF+ *stainless steel-330*
UF+ *steel-40kh13n8g8*
UF+ *steel-cr13mn8ni8*
UF+ *steel-ni36cr18*
*BT1 chromium alloys
*BT1 nickel alloys
*BT1 stainless steels
NT1 alloy-d-9
NT1 carpenter
NT1 chromium-nickel-molybdenum steels
NT2 alloy-m-813
NT2 steel-cr11ni10mo2ti-l
NT2 steel-cr15ni15motib
NT2 steel-cr16ni13monbv
NT2 steel-cr16ni15mo3nb
NT2 steel-cr16ni16monb
NT2 steel-cr16ni8mo2
NT3 stainless steel-16-8-2
NT2 steel-cr16ni9mo2
NT2 steel-cr17ni12mo3
NT3 stainless steel-316
NT2 steel-cr17ni12mo3-l
NT3 stainless steel-316l
NT3 stainless steel-zcnd17-13
NT2 steel-cr17ni12monb
NT2 steel-cr17ni13mo2ti
NT2 steel-cr17ni13mo3ti
NT2 steel-ni26cr15ti2movalb
NT3 alloy-a-286
NT1 durco
NT1 enduro
NT1 stainless steel-17-7ph
NT1 stainless steel-303
NT1 stainless steel-329
NT1 stainless steel-ph-15-7-mo
NT1 steel-cr17ni13
NT1 steel-cr17ni7
NT2 stainless steel-301
NT1 steel-cr18ni10
NT2 stainless steel-18-10
NT1 steel-cr18ni10-l
NT1 steel-cr18ni10ti
NT2 stainless steel-321
NT1 steel-cr18ni11
NT2 steel-x6crni1811
NT1 steel-cr18ni11nb
NT2 stainless steel-347
NT1 steel-cr18ni11nbco
NT2 stainless steel-348
NT1 steel-cr18ni12
NT2 stainless steel-305
NT1 steel-cr18ni12ti
NT1 steel-cr18ni8
NT2 stainless steel-18-8
NT1 steel-cr18ni9
NT2 stainless steel-302
NT1 steel-cr18ni9ti
NT1 steel-cr19ni10
NT2 stainless steel-304
NT1 steel-cr19ni10-l
NT2 stainless steel-304l
NT1 steel-cr20ni11
NT2 stainless steel-308
NT1 steel-cr20ni11-l
NT2 stainless steel-308l
NT1 steel-cr23ni14
NT2 stainless steel-309
NT2 stainless steel-309s
NT1 steel-cr23ni18
NT1 steel-cr25ni20
NT2 alloy-hk-40
NT2 stainless steel-310
NT1 steel-ni25cr20
NT2 stainless steel-20-25
NT1 steel-ni36cr12ti3al-l
NT1 timken alloys
RT nickel steels

CHROMIUM NITRATES

*BT1 chromium compounds
*BT1 nitrates

CHROMIUM NITRIDES

*BT1 chromium compounds
*BT1 nitrides

CHROMIUM ORES

BT1 ores

CHROMIUM OXIDES

UF+ *lanthanum chromites*
*BT1 chromium compounds
*BT1 oxides
RT chromates
RT chromic acid
RT chromites
RT dichromates

CHROMIUM PERCHLORATES

INIS: Jun 1983; ETDE: Apr 1977
*BT1 chromium compounds
*BT1 perchlorates

CHROMIUM PHOSPHATES

*BT1 chromium compounds
*BT1 phosphates

CHROMIUM SELENIDES

INIS: Nov 1976; ETDE: Aug 1976
*BT1 chromium compounds
*BT1 selenides

CHROMIUM SILICATES

*BT1 chromium compounds
*BT1 silicates

CHROMIUM SILICIDES

INIS: Apr 1982; ETDE: Jan 1975
*BT1 chromium compounds
*BT1 silicides

CHROMIUM STEELS

(High alloy steels containing Cr as main alloying element.)
UF *crocar*
UF *steel-1kh12v2mf*
UF *steel-9khs*
UF *steel-kh13s2yu2bt*
UF *steel-r18*
UF+ *stainless steel-44ln*
UF+ *steel-0kh21n5t*
UF+ *steel-0kh22n5t*
UF+ *steel-40k14g18f*
UF+ *steel-cr21ni5ti*
UF+ *steel-cr22ni5ti*
UF+ *steel-cr26ni5mo-l*
*BT1 chromium alloys
*BT1 stainless steels
NT1 chromium-molybdenum steels
NT2 chromium-nickel-molybdenum steels
NT3 alloy-m-813
NT3 steel-cr11ni10mo2ti-l
NT3 steel-cr15ni15motib
NT3 steel-cr16ni13monbv
NT3 steel-cr16ni15mo3nb
NT3 steel-cr16ni16monb
NT3 steel-cr16ni8mo2
NT4 stainless steel-16-8-2
NT3 steel-cr16ni9mo2
NT3 steel-cr17ni12mo3
NT4 stainless steel-316
NT3 steel-cr17ni12mo3-l
NT4 stainless steel-316l
NT4 stainless steel-zcnd17-13
NT3 steel-cr17ni12monb
NT3 steel-cr17ni13mo2ti
NT3 steel-cr17ni13mo3ti
NT3 steel-ni26cr15ti2movalb
NT4 alloy-a-286
NT1 magnet steel-ks
NT1 miduale
NT1 stainless steel-406
NT1 steel-cr10mo2
NT1 steel-cr12
NT2 stainless steel-403
NT1 steel-cr12moniv
NT1 steel-cr12mov
NT2 alloy-ht-9
NT1 steel-cr13
NT2 stainless steel-410
NT1 steel-cr13al
NT2 stainless steel-405
NT1 steel-cr16
NT2 stainless steel-430
NT1 steel-cr16ni
NT1 steel-cr17cu4ni4nb-l
NT2 stainless steel-17-4ph

NT1 steel-cr17mo
NT2 stainless steel-440
NT1 steel-cr17ni4mo3
NT1 steel-cr18
NT1 steel-cr25
NT2 stainless steel-446
NT1 steel-cr9mo
NT1 steel-cr9monbv

CHROMIUM SULFATES
*BT1 chromium compounds
*BT1 sulfates

CHROMIUM SULFIDES
*BT1 chromium compounds
*BT1 sulfides

CHROMIUM TELLURIDES
INIS: Nov 1978; ETDE: Jun 1978
*BT1 chromium compounds
*BT1 tellurides

chromizing
Use diffusion coating

chromodynamics
Use quantum chromodynamics

chromone
Use pyrones

CHROMOPHYCOTA
INIS: Dec 1991; ETDE: Dec 1988
*BT1 algae
NT1 diatoms
NT1 fucus
NT1 laminaria

CHROMOSOMAL ABERRATIONS
UF *abnormalities (chromosomal)*
UF *chromatid deletions*
UF *chromosome aberrations*
UF *chromosome exchanges*
UF *chromosome fragments*
UF *deletions (chromosomal)*
UF *reciprocal translocations*
BT1 mutations
NT1 chromosome breakage
NT1 sister chromatid exchanges
RT acrocentric chromosomes
RT banding techniques
RT biological indicators
RT chromosomes
RT dicentric chromosomes
RT dna damages
RT downs syndrome
RT genetic control
RT hereditary diseases
RT heterochromosomes
RT human chromosomes
RT karyotype
RT telomeres

chromosome aberrations
Use chromosomal aberrations

CHROMOSOME BREAKAGE
*BT1 chromosomal aberrations
RT heterochromatin

chromosome exchanges
Use chromosomal aberrations

chromosome fragments
Use chromosomal aberrations

CHROMOSOME LOSSES
INIS: May 1976; ETDE: Jun 1976
BT1 losses
RT chromosomes
RT genetic radiation effects

CHROMOSOME SORTING
INIS: Apr 1988; ETDE: Apr 1987
(The physical separation of a karyotype to provide large quantities of an individual chromosome.)
BT1 cytological techniques
RT cell flow systems
RT chromosomes
RT human chromosomes

CHROMOSOMES
NT1 acrocentric chromosomes
NT1 dicentric chromosomes
NT1 heterochromosomes
NT2 x chromosome
NT3 human x chromosome
NT2 y chromosome
NT3 human y chromosome
NT1 human chromosomes
NT2 human chromosome 1
NT2 human chromosome 12
NT2 human chromosome 13
NT2 human chromosome 14
NT2 human chromosome 15
NT2 human chromosome 16
NT2 human chromosome 17
NT2 human chromosome 18
NT2 human chromosome 19
NT2 human chromosome 2
NT2 human chromosome 21
NT2 human chromosome 22
NT2 human chromosome 3
NT2 human chromosome 5
NT2 human chromosome 6
NT2 human chromosome 7
NT2 human chromosome 8
NT2 human chromosome 9
NT2 human x chromosome
NT2 human y chromosome
NT2 philadelphia chromosome
NT1 ring chromosomes
RT banding techniques
RT cell nuclei
RT centromeres
RT chromatids
RT chromatin
RT chromosomal aberrations
RT chromosome losses
RT chromosome sorting
RT contigs
RT crossing-over
RT dna
RT dna repair
RT gene operons
RT gene regulation
RT genes
RT genetic effects
RT genetic mapping
RT in-situ hybridization
RT karyotype
RT mitosis
RT nucleoli
RT rflps
RT telomeres

CHROMOSPHERE
*BT1 solar atmosphere
RT photosphere
RT plages
RT solar flares
RT sun

CHROMOTROPIC ACID
*BT1 hydroxy compounds
*BT1 sulfonic acids
RT dyes

chronic administration
Use chronic intake

CHRONIC EXPOSURE
INIS: Dec 1985; ETDE: Jun 1978
(For chronic exposure to radiation use CHRONIC IRRADIATION.)
NT1 chronic irradiation
RT biological effects
RT biological stress
RT environmental exposure
RT toxicity

CHRONIC INTAKE
UF *chronic administration*
UF *continuous intake*
UF *long term intake*
BT1 intake
RT chronic irradiation

CHRONIC IRRADIATION
UF *continuous irradiation*
UF *long term irradiation*
UF *protracted irradiation*
BT1 chronic exposure
BT1 irradiation
RT chronic intake
RT low dose irradiation
RT radiation doses
RT radiation syndrome
RT temporal dose distributions

chronic radiation effects
Use delayed radiation effects

CHRONOTRONS
(Prior to August 1996 VERNIER CHRONOTRONS was a valid ETDE descriptor.)
UF *vernier chronotrons*
*BT1 time interval analyzers

CHRYSENE
*BT1 condensed aromatics
*BT1 hydrocarbons

CHRYSOBERYL
INIS: Apr 2000; ETDE: Jun 1980
(Beryllium aluminate.)
*BT1 oxide minerals
RT aluminium oxides
RT beryllium oxides

chrysothamnus nauseosus
Use shrubs

CHS TORSATRON
INIS: Feb 1991; ETDE: Feb 1991
(National Institute for Fusion Science, Nagoya, Japan.)
UF *compact helical system torsatron*
*BT1 torsatron stellarators

chubu-1 reactor
Use hamaoka-1 reactor

chubu-2 reactor
Use hamaoka-2 reactor

chubu-3 reactor
Use hamaoka-3 reactor

chubu-4 reactor
Use hamaoka-4 reactor

chubu-5 reactor
Use hamaoka-5 reactor

chugoku-1 reactor
Use shimane-1 reactor

chugoku-2 reactor
Use shimane-2 reactor

chugoku electric power company reactor
Use shimane-1 reactor

CHUKCHI SEA
INIS: Oct 1991; ETDE: Jul 1985
(Part of Arctic Ocean north of Bering Strait between Asia and North America.)
*BT1 arctic ocean
RT alaska
RT arctic regions
RT siberia

chukotka reactor
Use bilibin reactor

CHYLOMICRONS
RT blood plasma
RT lipids

CHYMOTRYPSIN
(Code numbers 3.4.21.1 and 3.4.21.2.)
*BT1 serine proteinases
RT digestion
RT pancreas

CIAE
INIS: Aug 1992; ETDE: Sep 1992
UF *china institute of atomic energy*
*BT1 chinese organizations
RT china

cigarettes
See tobacco products

cii computers
Use digital computers

CILIATA
INIS: Jul 1993; ETDE: Jun 1981
*BT1 protozoa
NT1 paramecium
NT1 tetrahymena

CIM MODEL
INIS: Aug 1978; ETDE: Apr 1978
(Constituent interchange model shows importance of forces involving the interchange of constituents of hadrons and accounts for very strong binding force in color singlet states.)
UF *constituent interchange model*
*BT1 composite models
RT exchange interactions
RT hadrons
RT quantum chromodynamics
RT quark-hadron interactions
RT strong interactions

cimarron plutonium plant
Use cimarron plutonium production plant

CIMARRON PLUTONIUM PRODUCTION PLANT
INIS: Sep 1975; ETDE: Feb 1975
(Until August 1994 this descriptor in INIS was spelled CIMARRON PLUTONIUM PLANT.)
UF *cimarron plutonium plant*
*BT1 fuel fabrication plants
BT1 industrial plants
RT cimarron uranium fuel plant

CIMARRON URANIUM FUEL PLANT
INIS: Mar 1976; ETDE: Nov 1975
(Until August 1994 this descriptor was spelled CIMARRON URANIUM PLANT.)
UF *cimarron uranium plant*
*BT1 fuel fabrication plants
BT1 industrial plants
RT cimarron plutonium production plant

cimarron uranium plant
Use cimarron uranium fuel plant

cinchonine
Use alkaloids

CINDA
(Computer Index of Nuclear Data.)
BT1 information systems
RT cross sections
RT data
RT neutrons
RT nuclear data collections
RT nuclear reactions

CINEMATOGRAPHY
INIS: Jan 1986; ETDE: Mar 1986
(Motion picture photography.)
BT1 photography

cinnabar
Use sulfide minerals

CINNAMIC ACID
UF *phenylacrylic acid-beta*
*BT1 monocarboxylic acids

cir reactor
Use cirus reactor

circadian variations
Use daily variations

CIRCE DEVICES
*BT1 magnetic mirrors

CIRCLE CLIFFS DEPOSIT
INIS: Apr 2000; ETDE: Jul 1983
*BT1 oil sand deposits
RT oil sands
RT utah

CIRCUIT BREAKERS
UF *breakers (circuit)*
*BT1 electrical equipment
BT1 equipment protection devices
RT current limiters
RT electric fuses
RT electronic circuits
RT insulating oils
RT lightning arresters
RT switches
RT switching circuits

CIRCUIT THEORY
RT electronic circuits
RT network analysis

circuits (electronic)
Use electronic circuits

circuits (magnetic)
Use magnetic circuits

CIRCULAR CONFIGURATION
BT1 configuration

circular point collectors
Use parabolic dish collectors

circulating fluidized bed boilers
Use circulating systems
AND fluidized bed boilers

circulating fluidized beds
Use circulating systems
AND fluidized beds

CIRCULATING SYSTEMS
INIS: Feb 1993; ETDE: Nov 1979
(Fluid systems in which the process fluid is taken from and pumped back into the system.)
UF+ *circulating fluidized bed boilers*
UF+ *circulating fluidized beds*
NT1 self-pumping systems
RT coolant loops
RT pumping
RT pumps
RT thermosyphon effect

circulation (blood)
Use blood circulation

CIRENE REACTOR
(Cirene, Latina, Italy)
*BT1 hwlwr type reactors
*BT1 pressure tube reactors
*BT1 thermal reactors

CIRUS REACTOR
(Bhabha Atomic Research Centre, Trombay, Maharashtra, India)
UF *canada-india reactor*
UF *cir reactor*
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 training reactors
*BT1 water cooled reactors

CISE
UF *centro informazioni studi esperienze*
*BT1 italian organizations

cistrons
Use genes

cit synchrotron
Use synchrotrons

cities
Use urban areas

CITRATE PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process for clean up of tail gas emissions from sulfur recovery plants, e.g, Claus Process plant.)
*BT1 desulfurization

CITRATES
UF+ *sodium citrates*
BT1 carboxylic acid salts
RT citric acid esters

citrex process
Use desulfurization
AND waste processing

CITRIC ACID
*BT1 hydroxy acids

CITRIC ACID ESTERS
*BT1 carboxylic acid esters
RT citrates

CITROVORUM FACTOR
UF *folinic acid*
UF *leucovorin*
RT folic acid
RT vitamin b group

CITRULLINE
UF *ureidoaminovaleric acid*
*BT1 amino acids

RT urea

CITRUS
*BT1 magnoliopsida
RT fruit trees
RT grapefruits
RT lemons
RT oranges

CIVEX PROCESS
INIS: Nov 1978; ETDE: Jun 1978
*BT1 reprocessing
RT fbr type reactors
RT nuclear materials diversion
RT plutonium recycle
RT solvent extraction

CIVIL DEFENSE
BT1 national defense
RT evacuation
RT human populations
RT local fallout
RT nuclear explosions
RT nuclear weapons
RT population relocation
RT radiation protection
RT safety
RT shelters
RT subsurface structures

CIVIL ENGINEERING
INIS: Oct 1991; ETDE: Aug 1982
BT1 engineering

CIVIL LIABILITY
BT1 liabilities
RT bcoclmcnm
RT bcolons
RT bcstpc
RT pcotpl
RT price-anderson act
RT solas convention
RT vcoclnd
RT workmens compensation

CLADDING
(For the process only.)
*BT1 surface coating
RT canning
RT decladding
RT fuel cans
RT hard facing
RT plating
RT rolling

cladding-fuel interactions
Use fuel-cladding interactions

CLAISEN CONDENSATION
BT1 chemical reactions
RT esters

CLAMS
*BT1 molluscs

CLARKEITE
*BT1 oxide minerals
*BT1 uranium minerals
RT potassium oxides
RT sodium oxides
RT uranium oxides

clasp device
Use stellarators

CLASSICAL MECHANICS
UF *newton mechanics*
BT1 mechanics
RT hamiltonian function

CLASSIFICATION
INIS: Jan 1976; ETDE: Apr 1976
NT1 standard industrial classification
RT particle size classifiers
RT sorting

CLASSIFIED INFORMATION
INIS: Dec 1991; ETDE: Apr 1980
BT1 information
RT declassification
RT national security
RT secrecy protection
RT security

CLATHRATES
UF *inclusion complexes*
UF *intercalates*
UF *occlusion complexes*
RT adducts
RT crystals
RT matrix isolation
RT organic compounds
RT rare gases

CLAUS PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(A process for recovery of elemental sulfur from hydrogen sulfide gas. Oxygen reacts with the hydrogen sulfide to produce dry sulfur and steam.)
*BT1 desulfurization
RT ucap process

claviceps
Use eumycota
AND parasites

CLAYS
*BT1 silicate minerals
NT1 attapulgite
NT1 bentonite
NT1 boom clay
NT1 clinoptilolite
NT1 fullers earth
NT1 illite
NT1 kaolin
NT1 montmorillonite
NT1 sepiolite
NT1 smectite
RT adobe
RT alluvial deposits
RT ceramics
RT decontamination
RT ground water
RT loam
RT marlstone
RT radionuclide migration
RT sand
RT shales
RT soils

CLEAN AIR ACTS
INIS: Jan 1994; ETDE: Aug 1993
(Prior to November 1991 this concept in ETDE was indexed to CLEAN AIR ACT. From November 1991 to August 1993 this concept in ETDE was indexed to US CLEAN AIR ACT.)
UF *us clean air act*
*BT1 pollution laws
RT air pollution
RT air quality
RT environment
RT environmental policy
RT pollution regulations

CLEAN COKE PROCESS
INIS: Apr 2000; ETDE: Mar 1976
(Process that combines carbonization and hydrogenation reactions to convert nonmetallurgical-grade coal to low-sulfur metallurgical coke, chemical feedstocks, and liquid and gaseous fuels. Carbonization is carried out at 650 to 760 degrees C with a fluidizing gas containing 33% hydrogen.)
RT carbonization
RT coal liquefaction
RT coking
RT hydrogenation

clean fuel from coal process
Use cffc process

CLEAN ROOMS
INIS: Feb 1983; ETDE: Aug 1979
RT contamination
RT controlled atmospheres
RT remote handling

CLEAN WATER ACTS
INIS: Jan 1994; ETDE: Aug 1993
(Prior to April 1980 this concept in ETDE was indexed to FEDERAL WATER POLLUTION CONTROL ACT. from April 1980 to December 1991 this was a valid ETDE descriptor. From December 1991 to August 1993 this concept in ETDE was indexed to US CLEAN WATER ACT.)
UF *federal water pollution control act*
UF *fwpca*
UF *us clean water act*
UF *us water pollution control act*
*BT1 pollution laws
RT environment
RT environmental policy
RT pollution regulations
RT water pollution
RT water quality

cleanair process
Use desulfurization

CLEANING
NT1 air cleaning
NT1 decontamination
NT1 surface cleaning
NT1 washing
RT coal preparation
RT coolant cleanup systems
RT deashing
RT decarbonization
RT detergents
RT dishwashers
RT electropolishing
RT heavy media separation
RT purification
RT scrubbing
RT stains

CLEARANCE
NT1 blood-plasma clearance
NT1 excretion
NT2 exhalation
NT2 lung clearance
NT2 renal clearance
RT nuclear medicine

clearance (renal)
Use renal clearance

CLEAVAGE
BT1 microstructure
RT crystal growth
RT crystallization

CLEBSCH-GORDAN COEFFICIENTS
UF *3j-symbols*
RT angular momentum
RT group theory

RT racah coefficients
RT wigner coefficients

CLEMENTINE REACTOR
(Los Alamos Scientific Lab., Los Alamos, New Mexico, USA)
*BT1 fast reactors
*BT1 mercury cooled reactors
*BT1 plutonium reactors
*BT1 research reactors

CLEO STELLARATOR
*BT1 stellarators
RT proto-cleo stellarators

clerical personnel
Use personnel

CLEVELAND
INIS: Apr 2000; ETDE: Dec 1974
*BT1 ohio
BT1 urban areas

CLIFFORD ALGEBRA
RT group theory

CLIMATE MODELS
INIS: Dec 1991; ETDE: Jan 1986
BT1 mathematical models
RT ambient temperature
RT atmospheric circulation
RT box models
RT climates
RT general circulation models
RT meteorology
RT paleoclimatology
RT seasonal variations

CLIMATES
NT1 microclimates
RT antarctic regions
RT arctic regions
RT atmospheric circulation
RT atmospheric precipitations
RT boreal regions
RT climate models
RT degree days
RT deserts
RT droughts
RT little ice age
RT meteorology
RT nuclear winter
RT paleoclimatology
RT phenology
RT seasons
RT temperate zones
RT tropical regions
RT tundra
RT weather
RT wind
RT wmo

CLIMATIC CHANGE
INIS: Jan 1992; ETDE: Oct 1991
UF *global climate change*
NT1 greenhouse effect
RT acid rain
RT ambient temperature
RT emissions tax
RT emissions trading
RT kyoto protocol
RT ozone layer
RT paleoclimatology
RT rio declaration

CLINCH RIVER
*BT1 rivers
RT tennessee
RT tennessee valley region

CLINCH RIVER BREEDER REACTOR
UF *crbr reactor*
*BT1 lmfbr type reactors
*BT1 power reactors
*BT1 sodium cooled reactors
RT enriched uranium reactors
RT plutonium reactors

CLINICAL TRIALS
Aug 2002
BT1 testing
RT diagnostic uses
RT drugs

CLINOPTILOLITE
(A zeolite mineral.)
*BT1 clays
*BT1 zeolites

CLINTON-1 REACTOR
(Dewitt, Illinois, USA)
*BT1 bwr type reactors

CLINTON-2 REACTOR
(Dewitt, Illinois, USA)
*BT1 bwr type reactors

clinton p. anderson meson physics facility
Use lampf linac

clipping circuits
Use pulse shapers

CLONE CELLS
BT1 cell cultures
RT animal cells
RT cloning
RT hela cells
RT in vitro
RT l cells
RT monoclonal antibodies
RT plant cells
RT plaque formation

CLONING
INIS: Oct 1977; ETDE: Nov 1977
NT1 dna-cloning
NT1 vegetative propagation
RT cell cultures
RT cell proliferation
RT clone cells
RT colony formation

close-in fallout
Use local fallout

CLOSED CONFIGURATIONS
UF *magnetic traps (closed)*
BT1 magnetic field configurations
NT1 minimum average-b configurations
NT1 multipolar configurations
NT2 hexapolar configurations
NT2 octupolar configurations
NT2 quadrupolar configurations
NT1 toroidal configuration
RT closed plasma devices

CLOSED-CYCLE COOLING SYSTEMS
UF+ *dry-type cooling towers*
*BT1 cooling systems
RT closed-cycle systems
RT coolant loops
RT cooling towers
RT reactor cooling systems

CLOSED-CYCLE MHD GENERATORS
*BT1 mhd generators
NT1 liquid-metal mhd generators
RT open-cycle mhd generators

CLOSED-CYCLE SYSTEMS
INIS: Dec 1982; ETDE: Dec 1975
RT closed-cycle cooling systems

CLOSED-LOOP CONTROL
INIS: Sep 1976; ETDE: Nov 1976
(With feedback.)
BT1 control
RT feedback

CLOSED PLASMA DEVICES
BT1 thermonuclear devices
NT1 astron
NT1 blascon devices
NT1 compact torus
NT2 field-reversed theta pinch devices
NT2 rotamak devices
NT1 heliotron
NT1 internal ring devices
NT2 fm devices
NT2 levitron devices
NT2 lm devices
NT2 spherator
NT2 tokapole devices
NT2 tornado devices
NT1 lhd device
NT1 stellarators
NT2 cleo stellarator
NT2 heliac stellarators
NT3 h-1 heliac
NT3 hsx stellarator
NT3 sheila heliac
NT3 tj-ii heliac
NT2 heliotron-e stellarator
NT2 ims stellarator
NT2 jipp stellarator
NT2 jippt-2 device
NT2 l-2 stellarator
NT2 proto-cleo stellarators
NT2 sirius device
NT2 stellarator model c
NT2 torsatron stellarators
NT3 atf torsatron
NT3 chs torsatron
NT3 tj-iu torsatron
NT3 vint torsatron
NT2 uragan stellarator
NT2 wega stellarator
NT2 wendelstein-2b stellarator
NT2 wendelstein-7 stellarator
NT1 tokamak devices
NT2 act devices
NT2 aditya tokamak
NT2 alcator device
NT2 asdex tokamak
NT2 atc devices
NT2 castor tokamak
NT2 columbia high-beta tokamak
NT2 compact ignition tokamak
NT2 compass-d tokamak
NT2 continuous current tokamak
NT2 ct-6b tokamak
NT2 dante tokamak
NT2 dite tokamak
NT2 doublet-2 device
NT2 doublet-3 device
NT2 etf tokamak
NT2 ft tokamak
NT2 hl-1 tokamak
NT2 hl-1m tokamak
NT2 hl-2 tokamak
NT2 hl-2a tokamak
NT2 ht-2 tokamak

NT2 ht-6b tokamak
NT2 ht-6m tokamak
NT2 ht-7 tokamak
NT2 ht-7u tokamak
NT2 hybtok tokamaks
NT2 ignition spherical torus
NT2 intor tokamak
NT2 isttok tokamak
NT2 isx tokamak
NT2 iter tokamak
NT2 jet tokamak
NT2 jft-2 tokamak
NT2 jft-2a tokamak
NT2 jft-2m tokamak
NT2 jippt-2 device
NT2 jt-60 tokamak
NT2 jt-60u tokamak
NT2 jxfr tokamak
NT2 kt-2 tokamak
NT2 lt-3 tokamak
NT2 lt-4 tokamak
NT2 mt-1 tokamak
NT2 mtx tokamak
NT2 net tokamak
NT2 ormak devices
NT2 pbx devices
NT2 pdx devices
NT2 petula tokamak
NT2 phaedrus-t tokamak
NT2 plt devices
NT2 pulsator devices
NT2 rtp tokamak
NT2 sinp tokamak
NT2 spheromak devices
NT3 cdx-u spheromak
NT3 ctx spheromak
NT3 globus-m spheromak
NT3 mast tokamak
NT3 nstx device
NT3 sspx device
NT3 ts-3 device
NT2 st tokamak
NT2 starfire tokamak
NT2 start tokamak
NT2 stor-m tokamak
NT2 stx devices
NT2 surmac tokamak
NT2 t-10 tokamak
NT2 t-14 tokamak
NT2 t-15 tokamak
NT2 t-7 tokamak
NT2 tbr tokamak
NT2 tca tokamak
NT2 tcv tokamak
NT2 text devices
NT2 textor tokamak
NT2 tfr tokamak
NT2 tftr tokamak
NT2 tiber-x tokamak
NT2 tj-1 tokamak
NT2 tnt-a tokamak
NT2 tokapole devices
NT2 tokoloshe tokamak
NT2 tore supra tokamak
NT2 tormac devices
NT2 tortus tokamak
NT2 torus-ii tokamak
NT2 tosca tokamak
NT2 tpx device
NT2 triam-1 tokamak
NT2 tuman devices
NT2 two-component torus
NT2 uwmak devices
NT2 varennes tokamak
NT2 versator tokamak
NT2 wt-3 tokamak
NT1 toroidal pinch devices
NT2 reversed-field pinch devices
NT3 artemis device
NT3 extrap-t2 device
NT3 hbtx devices
NT3 mst device
NT3 rfx device
NT3 tpe-1rm15 device
NT3 tpe-rx device
NT3 zt-40 devices
NT3 zt-p devices
NT2 tlp devices
NT3 zeta devices
NT2 toroidal screw pinch devices
NT3 stp-3m device
NT3 tpe-2 device
NT2 toroidal theta pinch devices
NT3 scyllac devices
RT aspect ratio
RT closed configurations
RT trapped-particle instability

CLOSTRIDIUM
*BT1 bacteria
NT1 clostridium acetobutylicum
NT1 clostridium botulinum
NT1 clostridium butyricum
NT1 clostridium perfringens
NT1 clostridium thermocellum
NT1 clostridium thermosaccharolyticum
RT proteolysis
RT toxins

CLOSTRIDIUM ACETOBUTYLICUM
INIS: Sep 1985; ETDE: Jul 1981
*BT1 clostridium
*BT1 methanogenic bacteria

CLOSTRIDIUM BOTULINUM
*BT1 clostridium

CLOSTRIDIUM BUTYRICUM
INIS: Sep 1985; ETDE: Jul 1981
*BT1 clostridium

CLOSTRIDIUM PERFRINGENS
UF *clostridium welchii*
*BT1 clostridium

CLOSTRIDIUM THERMOCELLUM
INIS: Apr 2000; ETDE: Oct 1979
*BT1 clostridium
RT enzymatic hydrolysis
RT fermentation

CLOSTRIDIUM THERMOSACCHAROLYTICUM
INIS: Apr 2000; ETDE: Jul 1981
*BT1 clostridium

clostridium welchii
Use clostridium perfringens

CLOSURES
UF *plugs*
RT joints
RT seals
RT valves

CLOTHES DRYERS
INIS: Jul 1993; ETDE: Jun 1977
*BT1 appliances
BT1 dryers
RT clothes washers
RT clothing
RT electric appliances
RT gas appliances

CLOTHES WASHERS
INIS: Jul 1993; ETDE: Jun 1977
UF *washers, clothes*
*BT1 appliances
RT clothes dryers
RT clothing
RT electric appliances
RT gas appliances
RT washing

CLOTHING
UF *shoes*
UF+ *laundries*
NT1 protective clothing
NT2 gloves
RT clothes dryers
RT clothes washers
RT consumer products
RT textiles

CLOUD CHAMBERS
*BT1 gas track detectors
NT1 diffusion chambers
NT1 expansion chambers

CLOUD COVER
INIS: Mar 1992; ETDE: Jan 1975
UF *cloudiness (meteorology)*
RT clouds
RT meteorology
RT sky
RT storms

cloudiness (meteorology)
Use cloud cover

CLOUDS
(Limited to clouds in the earth atmosphere; for interstellar clouds see COSMIC DUST or COSMIC GASES.)
NT1 noctilucent clouds
NT1 radioactive clouds
RT atmospheric precipitations
RT cloud cover
RT meteorology
RT sky
RT storms
RT water
RT weather

CLOUDY CRYSTAL BALL MODEL
*BT1 nuclear models
RT optical models

CLOVER
*BT1 leguminosae
RT forage

CLUFF LAKE MINE
INIS: Feb 1981; ETDE: Mar 1981
*BT1 uranium mines
RT saskatchewan

CLUSTER BEAM INJECTION
BT1 beam injection
RT cluster beams

CLUSTER BEAMS
INIS: Mar 1976; ETDE: Aug 1976
BT1 beams
RT atomic clusters
RT cluster beam injection
RT molecular clusters

CLUSTER EMISSION MODEL
INIS: Feb 1976; ETDE: Oct 1975
(A particle interaction model describing the emission of clusters having the potential to transfer charge from one center of mass hemisphere to the other, depending upon the rapidities of the clusters.)
UF *cluster model (particle)*
UF *hadronic clusters*
*BT1 multiperipheral model

NT1 space-time model
RT charge-exchange interactions
RT fireball model
RT multiple production
RT pionization

CLUSTER EXPANSION
(A virial expansion in which the virial coefficients (of inverse powers of the volume of the gas in question) are obtained from integrals, over positions of a small number of molecules, of functions involving intermolecular potentials.)
BT1 series expansion
RT differential equations

CLUSTER MODEL
UF *alpha particle model*
UF *cluster model (nuclear)*
*BT1 nuclear models
RT quartet model
RT vibron model

cluster model (nuclear)
Use cluster model

cluster model (particle)
Use cluster emission model

clusters (fuel elements)
Use fuel element clusters

clusters (galaxy)
Use galaxy clusters

clusters (ion)
Use ion pairs

clusters (solid)
Use solid clusters

clusters (star)
Use star clusters

cmb radiation
Use relict radiation

cmea
Use comecon

CML REACTOR
UF *critical mass laboratory pnl*
UF *pnl-cml reactor*
*BT1 zero power reactors

cmni
Use imidazoles

CMPO
INIS: Jun 1993; ETDE: Jun 1993
(Octyl(phenyl)-N,N-diisobutylcarbamoylmethylphosphine oxide.)
*BT1 organic phosphorus compounds
*BT1 phosphine oxides
RT solvent extraction
RT truex process

cn method
Use spherical harmonics

cna reactor
Use atucha reactor

cnea (argentina)
Use argentine cnea

CNEN
(Name changed to Comitato Nazionale per la Ricerca e lo Sviluppo dell'Energia Nucleare e delle Energie Alternative in April 1982, and more recent material should be indexed to ITALIAN ENEA.)
UF *comitato nazionale per l'energia nucleare*
*BT1 italian enea

cnen brazil
Use brazilian cnen

CNG PROCESS
INIS: Apr 2000; ETDE: Mar 1983
(Proprietary process for removing hydrogen sulfide, carbon dioxide, sulfur compounds, and trace elements from fuel gas.)
*BT1 desulfurization
BT1 separation processes
RT coal gasification

CNIDARIA
*BT1 coelenterata
NT1 corals
NT1 hydra

CNO CYCLE
INIS: Sep 1978; ETDE: Oct 1978
(Astrophysical processes only.)
UF *bethe-weizsaecker cycle*
UF *carbon-nitrogen-oxygen cycle*
BT1 star burning
RT main sequence stars
RT nucleosynthesis
RT star evolution
RT star models

CNRS SOLAR FACILITY
INIS: Apr 2000; ETDE: Feb 1982
(The Solar Furnace Facility at the National Center for Scientific Research (CNRS) at Odeillo, France.)
BT1 test facilities
RT france
RT solar furnaces

cns depressants
Use central nervous system depressants

cns stimulants
Use analeptics

co-generation
Use cogeneration

co2 flooding
Use carbon dioxide injection

COAGULANTS
INIS: May 1984; ETDE: Apr 1981
(From April 1981 to March 1997 HEMOSTATICS and HEPARIN ANTAGONISTS were valid ETDE descriptors.)
UF *hemostatics*
UF *heparin antagonists*
*BT1 hematologic agents
NT1 protamines
RT anticoagulants
RT blood substitutes
RT fibrinolytic agents
RT hematinics

coagulation (blood)
Use blood coagulation

coagulation (colloid)
Use flocculation

COAL
UF+ *coal-oil mixtures*
SF *rexco process*
*BT1 carbonaceous materials
*BT1 fossil fuels
NT1 black coal
NT2 anthracite
NT2 bituminous coal
NT1 brown coal
NT2 lignite
NT1 coal fines
NT1 sapropelic coal
NT2 boghead coal
NT3 torbanite
NT2 cannel coal
NT1 subbituminous coal
RT ash content
RT chars
RT coal deposits
RT coal extracts
RT coal gas
RT coal gasification
RT coal liquefaction
RT coal pastes
RT coal rank
RT coal reserves
RT coal-fired mhd generators
RT coalification
RT coke
RT coking
RT culm
RT fluidized-bed combustion
RT fluidized-bed combustors
RT gasification
RT lithotypes
RT macerals
RT national coal model
RT peat
RT slurry pipelines
RT solid fuels
RT solvent-refined coal
RT soot
RT stokers
RT sulfur content
RT volatile matter

COAL BURNING APPLIANCES
INIS: Jan 1993; ETDE: Mar 1982
UF+ *stoves (coal burning)*
*BT1 appliances
RT stoves

coal chars
Use chars

coal chemicals
See coal extracts
OR petrochemicals

COAL DEPOSITS
INIS: Oct 1991; ETDE: Jan 1975
UF+ *coalbed methane*
BT1 geologic deposits
*BT1 mineral resources
NT1 coal seams
RT coal
RT coal producing districts
RT coal reserves
RT geophysical surveys
RT illinois basin
RT powder river basin

coal-derived gases
Use coal gas

coal-derived liquids
Use coal liquids

COAL EXTRACTS
INIS: Apr 2000; ETDE: Jan 1975
- SF *coal chemicals*
- *RT* coal

COAL FINES
INIS: Apr 1992; ETDE: Jan 1975
- *BT1 coal
- *RT* briquets
- *RT* pulverized fuels

COAL-FIRED GAS TURBINES
INIS: Mar 1992; ETDE: Mar 1980
(Prior to February 1980 GAS TURBINES was used for this concept in ETDE.)
- *BT1 gas turbines
- *RT* coal gasification
- *RT* combined-cycle power plants
- *RT* fossil-fuel power plants
- *RT* gas turbine engines
- *RT* gas turbine power plants

COAL-FIRED MHD GENERATORS
INIS: Mar 1993; ETDE: Feb 1975
- *BT1 mhd generators
- **NT1** mhd generator cdif
- **NT1** mhd generator cfff
- **NT1** mhd generator etf
- **NT1** mhd generator utsi
- *RT* coal
- *RT* seed-slag interactions
- *RT* spent seed

COAL FUEL CELLS
INIS: May 1992; ETDE: Jan 1975
- *BT1 fuel cells

COAL GAS
INIS: Oct 1991; ETDE: Jan 1975
- UF *coal-derived gases*
- UF *coke-oven gas*
- *BT1 gases
- BT1 pyrolysis products
- *RT* coal
- *RT* fuel gas
- *RT* town gas

COAL GASIFICATION
- UF *atgas process*
- UF *avg process*
- UF *bcr process*
- UF *bubiag-didier process*
- UF *conoco gasification process*
- UF *csiro process*
- UF *fw-stoic process*
- UF *hoffman process*
- UF *hyflex process*
- UF *lichtenberg process*
- UF *liquid phase methanation process*
- UF *mcdowell-wellman process*
- UF *merc process*
- UF *migas process*
- UF *panindco process*
- UF *patgas process*
- UF *riley-morgan process*
- UF *rockgas process*
- UF *rombach process*
- UF *schmalfeldt-wintershall process*
- UF *selox process*
- UF *simplex process*
- UF *stone and webster coal solution gasification process*
- UF *stone and webster gasification process*
- UF *tri-gas process*
- UF *wilputte process*
- UF *zhuravlev process*
- UF+ *carbon dioxide acceptor process*
- SF *cs-sr process*
- SF *fischer-tropsch/mobil process*
- SF *thyssen-galocsy process*
- *BT1 gasification
- **NT1** agglomerating ash process
- **NT1** arc coal process
- **NT1** babcock and wilcox-dupont process
- **NT1** beacon process
- **NT1** bgc-lurgi slagging process
- **NT1** bi-gas process
- **NT1** ce entrained fuel process
- **NT1** coalcon process
- **NT1** cogas process
- **NT1** combined-cycle fw process
- **NT1** consol synthetic gas process
- **NT1** cs-r process
- **NT1** dow gasification process
- **NT1** exxon gasification process
- **NT1** flash hydropyrolysis process
- **NT1** gegas process
- **NT1** gkt process
- **NT1** htw process
- **NT1** humboldt gasification process
- **NT1** hydrane process
- **NT1** hygas process
- **NT1** i g process
- **NT1** kbw gasification process
- **NT1** kellogg process
- **NT1** kilngas process
- **NT1** klockner-iron bath coal gasification process
- **NT1** koppers process
- **NT1** koppers-totzek process
- **NT1** krw gasification process
- **NT1** lurgi cfb gasification process
- **NT1** lurgi process
- **NT1** lurgi slagging process
- **NT1** molten iron puregas process
- **NT1** molten salt coal gasification process
- **NT1** moving-burden process
- **NT1** occidental flash pyrolysis process
- **NT1** otto rummel slag bath process
- **NT1** peatgas process
- **NT1** prenflo process
- **NT1** ruhr 100 gasification process
- **NT1** saarberg-otto gasification process
- **NT1** seacoke process
- **NT1** shell-koppers gasification process
- **NT1** synthane process
- **NT1** texaco gasification process
- **NT1** tosco-dyne process
- **NT1** toscoal process
- **NT1** u-gas process
- **NT1** wellman-galusha process
- **NT1** wellman-incandescent process
- **NT1** westinghouse gasification process
- **NT1** woodall-duckham process
- *RT* cng process
- *RT* coal
- *RT* coal gasification plants
- *RT* coal-fired gas turbines
- *RT* fluidized bed refuse gasification
- *RT* gasoline plants
- *RT* hot gas cleanup
- *RT* in-situ gasification
- *RT* methanol plants
- *RT* shift processes
- *RT* sng processes
- *RT* synthetic fuels
- *RT* thunderbird project

COAL GASIFICATION PLANTS
INIS: Oct 1991; ETDE: Nov 1975
- BT1 industrial plants
- *RT* coal gasification

COAL INDUSTRY
INIS: Oct 1991; ETDE: Apr 1975
- BT1 industry
- *RT* mineral industry

COAL LIQUEFACTION
INIS: Dec 1982; ETDE: Jan 1975
- UF *adl process*
- UF *arthur d little coal liquefaction process*
- UF *ce lummus cffc process*
- UF *chevron coal liquefaction process*
- UF *coil process*
- UF *consol synthetic fuel process*
- UF *csf process*
- UF *friambient process*
- UF *lcffc process*
- UF *lummus clean fuel firm coal process*
- UF *pott-broche process*
- UF *riser cracking*
- UF *uhde-pfirrmann process*
- UF *zinc halide process*
- SF *cresap process*
- SF *cs-sr process*
- SF *fischer-tropsch/mobil process*
- *BT1 liquefaction
- **NT1** bcl process
- **NT1** bergius process
- **NT1** catalytic hydrosolvation process
- **NT1** cffc process
- **NT1** coed process
- **NT1** costeam process
- **NT1** dow liquefaction process
- **NT1** exxon liquefaction process
- **NT1** flash hydropyrolysis process
- **NT1** h-coal process
- **NT1** liquid phase methanol process
- **NT1** occidental flash pyrolysis process
- **NT1** pamco process
- **NT1** pyrosol process
- **NT1** sasol process
- **NT1** sasol-ii process
- **NT1** src-ii process
- **NT1** synthoil process
- **NT1** synthol process
- **NT1** tsl process
- *RT* clean coke process
- *RT* coal
- *RT* coal liquefaction plants
- *RT* coal liquids
- *RT* supercritical gas extraction
- *RT* synthetic fuels

COAL LIQUEFACTION PLANTS
INIS: Jul 1994; ETDE: Feb 1976
- BT1 industrial plants
- *RT* coal liquefaction

COAL LIQUIDS
INIS: Apr 1984; ETDE: Feb 1976
(Until June 1993, this concept was indexed by HYDROCARBONS.)
- UF *coal-derived liquids*
- *BT1 liquids
- *RT* coal liquefaction
- *RT* lc-fining
- *RT* liquid fuels
- *RT* pyrolytic oils
- *RT* supercritical gas extraction
- *RT* synthetic petroleum

COAL MINERS
INIS: May 1992; ETDE: Mar 1976
- *BT1 miners

COAL MINES
INIS: Aug 1991; ETDE: Jun 1975
- UF *collieries*
- UF+ *mine-mouth generating plants*
- *BT1 mines
- *RT* abandoned shafts
- *RT* backfilling
- *RT* coal mining

RT heading machines
RT mine draining
RT rock dusting

COAL MINING
INIS: Aug 1991; ETDE: Feb 1975
BT1 mining
RT acid mine drainage
RT advance mining
RT belt conveyors
RT coal mines
RT coal producing districts
RT cutter loaders
RT cutting machines
RT longwall mining
RT mining engineering
RT retreat mining
RT room and pillar mining
RT shearer loaders
RT shortwall mining
RT slice mining
RT surface mining
RT underground mining
RT us osm

coal-oil mixtures
Use coal
AND fuel oils
AND fuel slurries

COAL PASTES
INIS: Apr 2000; ETDE: Jan 1975
RT coal

coal planers
Use coal plows

coal ploughs
Use coal plows

COAL PLOWS
INIS: Apr 2000; ETDE: Jun 1979
UF *coal planers*
UF *coal ploughs*
UF *plows (coal)*
*BT1 cutter loaders

COAL PREPARATION
INIS: Feb 1992; ETDE: Aug 1975
(Grinding, screening, powdering, cleaning, etc., to prepare coal for industrial uses.)
UF *convertol process*
SF *syracuse chemical comminution process*
NT1 licado process
RT cleaning
RT coal preparation plants
RT comminution
RT crushing
RT drying
RT flotation
RT heavy media separation
RT jpl process
RT rhodococcus
RT trw process
RT us clean coal technology program
RT washing
RT water removal

COAL PREPARATION PLANTS
INIS: Mar 1992; ETDE: Jun 1976
SF *solvent-refining coal plants*
BT1 industrial plants
RT coal preparation
RT solvent-refined coal

COAL PRODUCING DISTRICTS
INIS: Apr 1992; ETDE: Sep 1979
RT coal deposits
RT coal mining

COAL RANK
INIS: Oct 1991; ETDE: Jan 1975
(The degree of metamorphosis that the original plant debris has undergone during the geological ages since it was deposited.)
RT coal
RT coalification

COAL RESERVES
INIS: Oct 1991; ETDE: Jan 1975
*BT1 reserves
RT coal
RT coal deposits

COAL SEAMS
INIS: Oct 1991; ETDE: May 1978
*BT1 coal deposits
RT geologic strata
RT inclined strata
RT water influx

COAL TAR
*BT1 bitumens
RT bituminous materials
RT coal tar acids
RT coal tar bases
RT coal tar oils
RT creosote

COAL TAR ACIDS
INIS: Apr 2000; ETDE: Apr 1976
*BT1 organic acids
RT coal tar
RT coal tar oils

COAL TAR BASES
INIS: Apr 2000; ETDE: Apr 1976
BT1 bases
BT1 organic compounds
RT coal tar
RT coal tar oils

COAL TAR OILS
INIS: Jul 1992; ETDE: Jan 1975
*BT1 oils
RT coal tar
RT coal tar acids
RT coal tar bases

coalbed methane
Use coal deposits
AND methane

COALCON PROCESS
INIS: Apr 2000; ETDE: Nov 1975
(Low-temperature, intermediate-pressure process for hydrocarbonization of finely divided low-rank coal or high-boiling tars in a fluidized bed to produce chars, tars, and gases. It was originally designed for a subbituminous coal having high tar and potentially high phenolic yields during carbonization, but it is currently being developed for high-sulfur, high-volatile bituminous coals.)
*BT1 coal gasification
RT carbonization
RT chars

COALESCENCE
RT adhesion
RT agglomeration
RT blood coagulation
RT bonding
RT coprecipitation

COALIFICATION
INIS: Apr 2000; ETDE: Jul 1977
RT coal
RT coal rank
RT diagenesis
RT geochemistry
RT petrology

coaltek process
Use fuel feeding systems

coarse control rods
Use shim rods

coarse mesh method
Use finite difference method

coast
Use shores

COASTAL REGIONS
INIS: Oct 1991; ETDE: Feb 1976
(Land areas of unspecified dimensions near sea or lake coastlines.)
NT1 river deltas
NT1 shores
RT coastal waters
RT coastal zone management acts
RT flood control

COASTAL WATERS
(For use only in its geographic connotation; for the legal connotation use TERRITORIAL WATERS.)
BT1 surface waters
NT1 bays
NT2 bay of biscay
NT2 bay of fundy
NT2 biscayne bay
NT2 chesapeake bay
NT2 delaware bay
NT2 galveston bay
NT2 matagorda bay
NT2 onslow bay
NT2 prudhoe bay
NT2 sequim bay
NT1 estuaries
NT2 fiords
NT2 long island sound
RT coastal regions
RT coastal zone management acts
RT continental margin
RT continental shelf
RT continental slope
RT mid-atlantic bight
RT offshore sites
RT seas
RT shores
RT south atlantic bight
RT territorial waters

coastal zone management act
Use coastal zone management acts

COASTAL ZONE MANAGEMENT ACTS
INIS: Apr 2000; ETDE: Aug 1994
(Before August 1994, this term was used in the singular form.)
UF *coastal zone management act*
BT1 laws
RT coastal regions
RT coastal waters
RT continental shelf

COATED FUEL PARTICLES
BT1 fuel particles
RT amoeba effect

coating (surface)
Use surface coating

coating processes
Use surface coating

COATINGS
NT1 antireflection coatings

NT1 black coatings
NT2 black nickel
NT1 diffusion coatings
NT1 dipped coatings
NT1 electrodeposited coatings
NT1 enamels
NT1 glazes
NT1 lacquers
NT1 paints
NT2 luminous paints
NT1 protective coatings
NT1 reflective coatings
NT1 spin-on coatings
NT1 sprayed coatings
NT1 vapor deposited coatings
NT1 varnishes
RT corrosion protection
RT coverings
RT deposits
RT films
RT heat mirrors
RT latex
RT masking
RT screen printing
RT solar absorbers
RT solar control films
RT surface coating
RT surface finishing
RT thin films
RT waterproofing

COAXIAL CABLES
*BT1 electric cables

COAXIAL FLOW REACTORS
*BT1 gas fueled reactors

COBALT
*BT1 transition elements

COBALT 50
INIS: Sep 1992; ETDE: May 1984
*BT1 cobalt isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

COBALT 52
INIS: Feb 1995; ETDE: Feb 1995
*BT1 beta-plus decay radioisotopes
*BT1 cobalt isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 proton decay radioisotopes

COBALT 53
*BT1 beta-plus decay radioisotopes
*BT1 cobalt isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 proton decay radioisotopes

COBALT 54
*BT1 beta-plus decay radioisotopes
*BT1 cobalt isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

COBALT 55
*BT1 beta-plus decay radioisotopes
*BT1 cobalt isotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

COBALT 56
*BT1 beta-plus decay radioisotopes
*BT1 cobalt isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

COBALT 56 TARGET
INIS: Oct 1982; ETDE: Nov 1982
BT1 targets

COBALT 57
*BT1 cobalt isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

COBALT 57 TARGET
INIS: Jan 1977; ETDE: Apr 1977
BT1 targets

COBALT 58
*BT1 beta-plus decay radioisotopes
*BT1 cobalt isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei

COBALT 58 TARGET
INIS: Jul 1976; ETDE: Aug 1976
BT1 targets

COBALT 59
*BT1 cobalt isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes

COBALT 59 REACTIONS
INIS: Nov 1984; ETDE: Nov 1984
*BT1 heavy ion reactions

COBALT 59 TARGET
BT1 targets

COBALT 60
*BT1 beta-minus decay radioisotopes
*BT1 cobalt isotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 years living radioisotopes

COBALT 60 TARGET
INIS: Dec 1975; ETDE: Jul 1976
BT1 targets

COBALT 61
*BT1 beta-minus decay radioisotopes
*BT1 cobalt isotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

COBALT 62
*BT1 beta-minus decay radioisotopes
*BT1 cobalt isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

COBALT 63
*BT1 beta-minus decay radioisotopes
*BT1 cobalt isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

COBALT 64
*BT1 beta-minus decay radioisotopes
*BT1 cobalt isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

COBALT 65
INIS: Sep 1979; ETDE: Oct 1979
*BT1 beta-minus decay radioisotopes
*BT1 cobalt isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

COBALT 66
INIS: Jan 1986; ETDE: Feb 1986
*BT1 beta-minus decay radioisotopes
*BT1 cobalt isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

COBALT 67
INIS: Jan 1986; ETDE: Feb 1986
*BT1 beta-minus decay radioisotopes
*BT1 cobalt isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

COBALT 68
INIS: Aug 1986; ETDE: Sep 1986
*BT1 cobalt isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

COBALT 69
INIS: Aug 1986; ETDE: Sep 1986
*BT1 cobalt isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

COBALT 70
INIS: Aug 1986; ETDE: Sep 1986
*BT1 cobalt isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

COBALT ADDITIONS
(Alloys containing not more than 1% Co are listed here.)
*BT1 cobalt alloys
NT1 alloy-ni43fe33cr16mo3
NT2 nimonic pe16
NT1 alloy-ni62cr16mo15fe3
NT2 hastelloy s
NT1 steel-cr18ni11nbco
NT2 stainless steel-348

COBALT ALLOYS
(Alloys containing more than 1% Co.)
*BT1 transition element alloys
NT1 alloy-b-1900
NT1 alloy-fe44ni33cr21
NT2 incoloy 800h
NT1 alloy-fe53ni29co18
NT2 kovar
NT1 alloy-mar-m246
NT1 alloy-mp35n
NT1 alloy-ni46cr23co19ti5al4
NT2 alloy-in-939
NT1 alloy-ni49cr22fe18mo9
NT2 hastelloy x
NT1 alloy-ni50co20cr15al5mo5
NT2 nimonic 105
NT1 alloy-ni54cr22co13mo9
NT2 inconel 617
NT1 alloy-ni54mo17cr16fe6w4

NT2 hastelloy c
NT1 alloy-ni55co17cr15mo5al4ti4
NT2 astroloy
NT1 alloy-ni55cr19co11mo10ti3
NT2 rene 41
NT1 alloy-ni58cr20co14mo4ti3
NT2 waspaloy
NT1 alloy-ni59cr20co17ti2
NT1 alloy-ni60co15cr10al6ti5mo3
NT2 alloy-in-100
NT1 alloy-ni61cr16co9al3ti3w3
NT2 alloy-in-738
NT1 alloy-ni65mo28fe5
NT2 hastelloy b
NT1 alloy-ra-333
NT1 alloy-s-590
NT1 alloy-s-816
NT1 alloy-v-36
NT1 alloy-yundk 25ba
NT1 alnico alloys
NT1 carboloy
NT1 cobalt additions
NT2 alloy-ni43fe33cr16mo3
NT3 nimonic pe16
NT2 alloy-ni62cr16mo15fe3
NT3 hastelloy s
NT2 steel-cr18ni11nbco
NT3 stainless steel-348
NT1 cobalt base alloys
NT2 alloy-co43cr20fe18ni13w3
NT3 havar
NT2 alloy-co50fe50
NT3 permendur
NT2 alloy-co52fe35v10
NT2 haynes alloys
NT3 alloy-co36cr22ni22w15fe3
NT4 haynes 188 alloy
NT3 alloy-co54cr20w15ni10
NT4 alloy-hs-25
NT4 haynes 25 alloy
NT3 alloy-co60cr30w4
NT4 stellite 6
NT2 mar-m509 alloys
NT2 stellite
NT3 alloy-co54cr20w15ni10
NT4 alloy-hs-25
NT4 haynes 25 alloy
NT3 alloy-co60cr30w4
NT4 stellite 6
NT3 alloy-hs-31
NT2 tribaloy 400
NT2 tribaloy 800
NT1 cunico
NT1 hiperco
NT1 kanthal
NT1 konel
NT1 magnet steel-ks
NT1 nimonic 115
NT1 rene 80
NT1 rene 95
NT1 rene-100
NT1 supertherm
NT1 timken alloys
NT1 udimet alloys
NT2 alloy-ni53co19cr15mo5al4ti3
NT3 udimet 700
NT2 udimet 500
NT1 vitallium

COBALT ARSENIDES

INIS: Sep 1991; ETDE: Aug 1976
*BT1 arsenides
*BT1 cobalt compounds

COBALT BASE ALLOYS

(The UF terms below have been valid ETDE descriptors.)
UF *alloy-co52cr17fe15mo3si3*
UF *alloy-l-605*
UF+ *alloy-co52fe35v13*
UF+ *vikalloy 1*
UF+ *vikalloy 2*
*BT1 cobalt alloys
NT1 alloy-co43cr20fe18ni13w3
NT2 havar
NT1 alloy-co50fe50
NT2 permendur
NT1 alloy-co52fe35v10
NT1 haynes alloys
NT2 alloy-co36cr22ni22w15fe3
NT3 haynes 188 alloy
NT2 alloy-co54cr20w15ni10
NT3 alloy-hs-25
NT3 haynes 25 alloy
NT2 alloy-co60cr30w4
NT3 stellite 6
NT1 mar-m509 alloys
NT1 stellite
NT2 alloy-co54cr20w15ni10
NT3 alloy-hs-25
NT3 haynes 25 alloy
NT2 alloy-co60cr30w4
NT3 stellite 6
NT2 alloy-hs-31
NT1 tribaloy 400
NT1 tribaloy 800

COBALT BORIDES

*BT1 borides
*BT1 cobalt compounds

COBALT BROMIDES

*BT1 bromides
*BT1 cobalt compounds

COBALT CARBIDES

*BT1 carbides
*BT1 cobalt compounds

COBALT CARBONATES

*BT1 carbonates
*BT1 cobalt compounds

COBALT CHLORIDES

*BT1 chlorides
*BT1 cobalt compounds

COBALT COMPLEXES

*BT1 transition element complexes

COBALT COMPOUNDS

BT1 transition element compounds
NT1 cobalt arsenides
NT1 cobalt borides
NT1 cobalt bromides
NT1 cobalt carbides
NT1 cobalt carbonates
NT1 cobalt chlorides
NT1 cobalt fluorides
NT1 cobalt hydrides
NT1 cobalt hydroxides
NT1 cobalt iodides
NT1 cobalt nitrates
NT1 cobalt oxides
NT1 cobalt perchlorates
NT1 cobalt phosphates
NT1 cobalt phosphides
NT1 cobalt selenides
NT1 cobalt silicates
NT1 cobalt silicides
NT1 cobalt sulfates
NT1 cobalt sulfides
NT1 cobalt tellurides
NT1 cobalt tungstates

COBALT FLUORIDES

*BT1 cobalt compounds
*BT1 fluorides

COBALT HYDRIDES

*BT1 cobalt compounds
*BT1 hydrides

COBALT HYDROXIDES

*BT1 cobalt compounds
*BT1 hydroxides

COBALT IODIDES

*BT1 cobalt compounds
*BT1 iodides

COBALT IONS

*BT1 ions

COBALT ISOTOPES

BT1 isotopes
NT1 cobalt 50
NT1 cobalt 52
NT1 cobalt 53
NT1 cobalt 54
NT1 cobalt 55
NT1 cobalt 56
NT1 cobalt 57
NT1 cobalt 58
NT1 cobalt 59
NT1 cobalt 60
NT1 cobalt 61
NT1 cobalt 62
NT1 cobalt 63
NT1 cobalt 64
NT1 cobalt 65
NT1 cobalt 66
NT1 cobalt 67
NT1 cobalt 68
NT1 cobalt 69
NT1 cobalt 70

COBALT NITRATES

*BT1 cobalt compounds
*BT1 nitrates

COBALT ORES

BT1 ores

COBALT OXIDES

*BT1 cobalt compounds
*BT1 oxides
RT kirchheimerite
RT oxide minerals

COBALT PERCHLORATES

INIS: Apr 2000; ETDE: Dec 1975
*BT1 cobalt compounds
*BT1 perchlorates

COBALT PHOSPHATES

*BT1 cobalt compounds
*BT1 phosphates

COBALT PHOSPHIDES

INIS: Jul 1977; ETDE: Sep 1975
*BT1 cobalt compounds
*BT1 phosphides

COBALT SELENIDES

INIS: Sep 1991; ETDE: Mar 1980
*BT1 cobalt compounds
*BT1 selenides

COBALT SILICATES

*BT1 cobalt compounds
*BT1 silicates

COBALT SILICIDES

INIS: Aug 1978; ETDE: Jan 1975
*BT1 cobalt compounds
*BT1 silicides

COBALT SULFATES

*BT1 cobalt compounds

*BT1 sulfates

COBALT SULFIDES
*BT1 cobalt compounds
*BT1 sulfides

COBALT TELLURIDES
INIS: Sep 1991; ETDE: Jun 1978
*BT1 cobalt compounds
*BT1 tellurides

COBALT TUNGSTATES
INIS: Sep 1991; ETDE: Jul 1978
*BT1 cobalt compounds
*BT1 tungstates

COBOL
BT1 programming languages

cobordism theory
Use topology

cobra reactor
Use kbr-1 reactor

COCAINE
*BT1 alkaloids
*BT1 anesthetics
*BT1 antidepressants

COCKCROFT-WALTON ACCELERATORS
*BT1 electrostatic accelerators

COCKROACHES
*BT1 dictyoptera

cocoa beans
Use cocoa products

COCOA PRODUCTS
UF *cocoa beans*
BT1 food
RT cacao trees

COCOMBUSTION
INIS: Oct 1991; ETDE: Aug 1981
(The simultaneous burning of two fuels in a boiler, e.g., coal and biomass.)
UF *cofiring*
*BT1 combustion

COCONUT PALMS
*BT1 liliopsida
*BT1 trees
RT coconuts

COCONUTS
*BT1 fruits
RT coconut palms

CODEINE
*BT1 alkaloids
*BT1 analgesics
*BT1 hypnotics and sedatives
RT heroin
RT morphine

codeinone
Use alkaloids

CODFISH
*BT1 fishes

coding circuits
Use digital circuits

CODLING MOTH
UF *carpocapsa pomonella*
*BT1 moths
RT apples

CODONS
RT gene operons
RT gene regulation
RT genes
RT nucleotides
RT ribosomes

COED PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(FMC corporation process that converts coal to synthetic crude oil, gas, and char in four fluidized-bed gasification stages at 315, 450, 540, and 840 degrees C.)
UF *char oil energy development process*
*BT1 coal liquefaction

COEFFICIENT OF PERFORMANCE
INIS: Apr 2000; ETDE: Jan 1979
RT air conditioners
RT efficiency
RT heat pumps
RT performance
RT refrigerating machinery
RT refrigerators
RT thermodynamics

COELENTERATA
(Prior to October 1990 this subject was indexed to CNIDARIA.)
UF *coelenterates*
*BT1 invertebrates
NT1 cnidaria
NT2 corals
NT2 hydra

coelenterates
Use coelenterata

coenzyme i
Use nad

coenzyme ii
Use nadp

COENZYMES
NT1 nad
NT1 nadh2
NT1 nadp
NT1 ubiquinone
RT apolipoproteins
RT biochemistry
RT biosynthesis
RT catalysis
RT cytochromes
RT enzymes
RT isoalloxazines
RT metabolism
RT pyridoxal
RT redox process
RT vitamin b group

coercion
Use legal aspects

COERCIVE FORCE
RT magnetic properties

coesite
Use oxide minerals
AND silicon oxides

COEXTRUSION
*BT1 extrusion

coffee
Use beverages

COFFEE BEANS
INIS: Nov 1978; ETDE: Dec 1978
BT1 seeds
RT beverages
RT coffee plants

COFFEE PLANTS
*BT1 magnoliopsida
RT coffee beans

COFFINITE
*BT1 silicate minerals
*BT1 uranium minerals

cofiring
Use cocombustion

COFRENTES REACTOR
INIS: Apr 1977; ETDE: Jun 1977
(Cofrents, Valencia, Spain)
*BT1 bwr type reactors

COGAS PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(A two step coal conversion process involving pyrolysis followed by gasification of the resultant char.)
*BT1 coal gasification

COGEMA
INIS: Mar 1977; ETDE: Jun 1977
UF *compagnie generale des matieres nucleaires*
*BT1 french organizations
NT1 cogema la hague
NT1 cogema marcoule
NT1 cogema pierrelatte

COGEMA LA HAGUE
INIS: Mar 1977; ETDE: Jun 1977
*BT1 cogema
*BT1 fuel reprocessing plants

COGEMA MARCOULE
INIS: Mar 1977; ETDE: Jun 1977
*BT1 cogema

COGEMA PIERRELATTE
INIS: Mar 1977; ETDE: Jun 1977
*BT1 cogema
*BT1 gaseous diffusion plants

COGENERATION
INIS: Dec 1982; ETDE: Oct 1980
(Prior to November 1980, this concept in ETDE was indexed to co-generation. From November 1978 till February 1997 DEUS was a valid ETDE descriptor.)
UF *co-generation*
UF *combined heat-power generation*
UF *combined steam-power generation*
UF *deus*
UF *dual energy use systems*
BT1 power generation
BT1 steam generation
RT district heating
RT dual-purpose power plants
RT energy systems
RT refuse-fueled power plants
RT thermal transmission ices
RT total energy systems
RT waste heat
RT waste heat boilers
RT waste heat utilization
RT waste product utilization

cogeneration plants
Use dual-purpose power plants

COHERENCE LENGTH
INIS: Nov 1978; ETDE: Jun 1975
(The range of interaction between the electrons of a Cooper pair.)
*BT1 length

RT cooper pairs
RT ginzburg-landau theory
RT superconductivity

COHERENT ACCELERATORS
(Prior to 1986 COLLECTIVE ACCELERATORS was used for this concept.)
BT1 accelerators
RT collective accelerators

coherent anti-stokes raman spectroscopy
Use raman spectroscopy

COHERENT PRODUCTION
*BT1 particle interactions
BT1 particle production
RT coherent tube model

COHERENT RADIATION
*BT1 electromagnetic radiation

COHERENT SCATTERING
BT1 scattering
NT1 brillouin effect
NT1 diffraction
NT2 atomic beam diffraction
NT2 diffuse scattering
NT2 electron diffraction
NT2 neutron diffraction
NT2 x-ray diffraction
NT1 rayleigh scattering
RT anharmonic crystals
RT elastic scattering

coherent states
Use annihilation operators
AND eigenstates

COHERENT TUBE MODEL
INIS: Jun 1977; ETDE: Oct 1977
UF *collective tube model*
UF *tube model*
*BT1 nuclear models
*BT1 particle models
RT coherent production
RT incoherent production
RT multiple production
RT nuclear reactions
RT particle interactions

coil process
Use coal liquefaction

coils (electric)
Use electric coils

coils (magnetic)
Use magnet coils

COINCIDENCE CIRCUITS
BT1 electronic circuits
RT anticoincidence
RT coincidence methods
RT pulse circuits
RT telescope counters
RT time measurement

COINCIDENCE METHODS
BT1 counting techniques
NT1 coincidence spectrometry
NT1 tagged photon method
RT coincidence circuits
RT positron cameras
RT synchronization

COINCIDENCE SPECTROMETRY
*BT1 coincidence methods
RT radiation detection
RT spectrometers

COKE
UF *beehive coke*
UF+ *petroleum coke*
NT1 coke breeze
NT1 oven coke
RT coal
RT coke ovens
RT coking
RT formed coke processes
RT fossil fuels
RT semicoke
RT semicoking
RT solid fuels

COKE BREEZE
INIS: Apr 2000; ETDE: Dec 1979
BT1 coke

coke-oven gas
Use coal gas

COKE OVENS
INIS: Jun 1992; ETDE: Jul 1975
(Ovens for carbonization of coal to produce coke.)
UF *slot ovens*
RT carbonization
RT coke
RT coking
RT coking plants
RT formed coke processes

COKING
INIS: Oct 1991; ETDE: Jan 1975
(Destructive distillation of coal to make coke.)
*BT1 carbonization
RT clean coke process
RT coal
RT coke
RT coke ovens
RT coking plants
RT retorting
RT semicoke
RT semicoking

COKING PLANTS
INIS: Oct 1991; ETDE: Jun 1979
BT1 industrial plants
RT coke ovens
RT coking

colby event
Use anvil project

COLCHICINE
*BT1 alkaloids
*BT1 antimitotic drugs
*BT1 antipyretics
RT polyploidy

COLD CATHODE TUBES
BT1 electron tubes

COLD EFFLUENTS
INIS: Apr 2000; ETDE: Aug 1976
RT thermal effluents

COLD FISSION
INIS: May 1992; ETDE: Aug 1992
*BT1 fission
RT heavy ion emission decay
RT kinetic energy

COLD FUSION
INIS: Jul 1991; ETDE: Jul 1991
BT1 nuclear reactions
RT thermonuclear reactions

COLD LAKE DEPOSIT
INIS: Mar 1992; ETDE: Apr 1975
*BT1 oil sand deposits
RT alberta
RT canada
RT oil sands
RT saskatchewan

COLD NEUTRONS
(Neutrons of less velocity than thermal neutrons; at 15 c their energy is below 0.01 eV.)
*BT1 neutrons
NT1 ultracold neutrons

COLD PLASMA
BT1 plasma

COLD PRESSING
*BT1 pressing
RT cold working

cold recovery
See heat sinks
OR refrigeration

COLD STORAGE
INIS: Jan 1993; ETDE: Feb 1979
*BT1 energy storage
RT evaporative cooling
RT heat storage
RT rock beds
RT solar cooling systems

COLD TRAPS
BT1 traps
BT1 vapor condensers

COLD-WATER PROCESSES
INIS: Apr 2000; ETDE: Jun 1976
(Processes used for recovery of bitumens from tar sands using various types of cationic, anionic and nonanionic wetting agents.)
BT1 fluid injection processes
RT bitumens
RT oil sands

COLD WORKING
*BT1 materials working
NT1 shot peening
RT cold pressing
RT dislocation pinning
RT drawing
RT extrusion
RT forging
RT hardening
RT rolling
RT strain aging
RT strain hardening
RT surface hardening

COLEOPTERA
INIS: Jul 1993; ETDE: Jun 1981
*BT1 insects
NT1 beetles
NT2 boll weevil
NT2 tribolium

COLEOPTILE
RT germination
RT seedlings

coleus
Use herbs
AND magnoliopsida

COLIFORMS
(Restricted to papers on water purity analysis.)
*BT1 bacteria
RT aerobacter
RT escherichia coli

COLLAGEN
*BT1 scleroproteins
RT connective tissue

RT fibroblasts
RT hydroxyproline
RT proline

collapse (gravitational)
Use gravitational collapse

COLLECTIVE ACCELERATORS
BT1 accelerators
NT1 electron-ring accelerators
NT1 ionization front accelerators
NT1 plasma betatrons
RT coherent accelerators

COLLECTIVE EXCITATIONS
INIS: Dec 1985; ETDE: Jun 1975
(See also COLLECTIVE MODEL.)
*BT1 excitation
RT superconductivity

COLLECTIVE MODEL
UF *collective motion (in nuclei)*
*BT1 nuclear models
NT1 rotation-vibration model
RT boson expansion
RT davydov-filipov model
RT hill-wheeler theory
RT quasiparticle-phonon model

collective motion (in nuclei)
Use collective model

collective states (rotational)
Use rotational states

collective states (vibrational)
Use vibrational states

collective tube model
Use coherent tube model

collector module test facility
Use msstf

collector properties
Use permeability
AND porosity

collector properties (rocks)
Use permeability
AND porosity

collectors (dust)
Use dust collectors

collectrons
Use self-powered neutron detectors

college station texas training reactor
Use nscr reactor

colleges
Use educational facilities

collider detector at fermilab
Use fermilab collider detector

COLLIDING BEAMS
UF *crossed beams*
UF *intersecting beams*
BT1 beams
RT beam luminosity
RT beam-beam interactions
RT interactions
RT linear colliders

collieries
Use coal mines

COLLIMATORS
RT beam optics
RT radiotherapy
RT shielding
RT shutters
RT tomography

COLLISION INTEGRALS
BT1 integrals
RT boltzmann equation

collision matrix
Use s matrix

COLLISIONAL HEATING
*BT1 magnetic-pumping heating

COLLISIONAL PLASMA
BT1 plasma
RT pfirsch-schlueter regime

collisionless boltzmann equation
Use boltzmann-vlasov equation

COLLISIONLESS PLASMA
BT1 plasma

COLLISIONS
(For low-energy interactions involving photons, electrons, ions, atoms, and molecules; not for the concept covered by NUCLEAR REACTIONS. For collisions with elementary particles and radiations, see also INTERACTIONS.)
NT1 atom collisions
NT2 atom-atom collisions
NT2 atom-molecule collisions
NT2 electron-atom collisions
NT2 ion-atom collisions
NT2 muon-atom collisions
NT2 photon-atom collisions
NT2 positron-atom collisions
NT1 electron collisions
NT2 electron-atom collisions
NT2 electron-electron collisions
NT2 electron-ion collisions
NT2 electron-molecule collisions
NT2 electron-positron collisions
NT2 photon-electron collisions
NT1 ion collisions
NT2 electron-ion collisions
NT2 ion-atom collisions
NT2 ion-ion collisions
NT2 ion-molecule collisions
NT2 photon-ion collisions
NT2 positron-ion collisions
NT1 molecule collisions
NT2 atom-molecule collisions
NT2 electron-molecule collisions
NT2 ion-molecule collisions
NT2 molecule-molecule collisions
NT2 photon-molecule collisions
NT2 positron-molecule collisions
NT1 photon collisions
NT2 photon-atom collisions
NT2 photon-electron collisions
NT2 photon-ion collisions
NT2 photon-molecule collisions
NT2 photon-positron collisions
NT1 positron collisions
NT2 electron-positron collisions
NT2 photon-positron collisions
NT2 positron-atom collisions
NT2 positron-ion collisions
NT2 positron-molecule collisions
NT2 positron-positron collisions
RT brownian movement
RT colloids
RT coupled channel theory
RT dynamics
RT interactions
RT kinetic equations
RT kinetics
RT landau-zener formula
RT particle kinematics
RT pss method
RT scattering
RT sudden approximation

collodion
Use nitrocellulose

colloid coagulation
Use flocculation

COLLOIDS
BT1 dispersions
NT1 agar
NT1 alginic acid
NT1 emulsions
NT2 microemulsions
NT2 photographic emulsions
NT1 foams
NT2 plastic foams
NT2 urea-formaldehyde foams
NT1 gelatin
NT1 gels
NT2 hydrophylic polymers
NT1 radiocolloids
NT2 thorotrast
NT1 sols
NT2 aerosols
NT3 radioactive aerosols
NT3 smokes
NT4 tobacco smokes
RT brownian movement
RT collisions
RT dialysis
RT gelation
RT gums
RT micellar systems
RT particle size
RT particles
RT sol-gel process
RT superconducting colloid detectors

COLMONOY
*BT1 boron alloys
*BT1 chromium alloys
*BT1 corrosion resistant alloys
*BT1 iron alloys
*BT1 nickel base alloys
*BT1 silicon alloys

cologne spirits
Use ethanol

COLOMBIA
BT1 developing countries
*BT1 south america
RT andes

COLOMBIAN ORGANIZATIONS
INIS: Apr 1987; ETDE: Jun 1987
BT1 national organizations
NT1 ian

colon
Use large intestine

colonies
Use populations

COLONY FORMATION
INIS: Jul 1976; ETDE: Nov 1976
NT1 spleen colony formation
RT animal cells
RT cell cultures
RT cfu
RT cloning

colony forming units
Use cfu

COLOR
*BT1 optical properties
BT1 organoleptic properties
RT dichroism
RT electrochromism

COLOR CENTERS
(B CENTERS and Q CENTERS have also been valid ETDE descriptors.)
UF *b centers*
UF *q centers*
*BT1 vacancies
NT1 a centers
NT1 e centers
NT1 f centers
NT1 h centers
NT1 i centers
NT1 m centers
NT1 r centers
NT1 s centers
NT1 u centers
NT1 v centers
NT1 x centers
NT1 z centers

COLOR MODEL
INIS: Sep 1975; ETDE: Jun 1975
*BT1 quark model
RT charm particles
RT glueballs
RT grace particles
RT preons
RT quantum chromodynamics
RT taste particles

COLORADO
UF+ *crystal river*
*BT1 usa
NT1 mahogany zone
NT1 sand wash basin
RT colorado river basin
RT green river formation
RT gunnison river
RT north platte river basin
RT paradox basin
RT permian basin
RT piceance creek
RT piceance creek basin
RT rio blanco oil shale project
RT rio grande rift
RT rio grande river
RT rocky flats plant
RT uinta basin
RT uinta formation
RT us naval oil shale reserves
RT wasatch formation
RT white river
RT yellow creek
RT yellow creek basin

COLORADO PLATEAU
BT1 mountains

COLORADO RIVER
*BT1 rivers
RT colorado river basin

COLORADO RIVER BASIN
INIS: Oct 1991; ETDE: Jun 1975
BT1 watersheds
RT colorado
RT colorado river

COLORADO TRIGA-MK-3 REACTOR
INIS: Apr 2000; ETDE: Dec 1974
SF *triga-mk-3 reactor*
*BT1 training reactors
*BT1 triga type reactors

COLORATION
RT bleaching

COLORIMETRIC DOSEMETERS
*BT1 dosemeters
RT dyes
RT glass
RT polymers

colorimetry
Use absorption spectroscopy

COLUMBIA HIGH-BETA TOKAMAK
INIS: Aug 1991; ETDE: Sep 1991
UF *hbt-ep*
*BT1 tokamak devices

columbia missouri research reactor
Use murr reactor

COLUMBIA RIVER
*BT1 rivers
RT columbia river basin
RT washington

COLUMBIA RIVER BASIN
INIS: Oct 1991; ETDE: Oct 1978
BT1 watersheds
NT1 pasco basin
RT columbia river
RT idaho
RT oregon
RT washington

columbium
Use niobium

COLUMN PACKING
UF *berl saddles*
UF *packing (column)*
UF *raschig rings*
BT1 packings
RT extraction columns

column separation (fluid mechanics)
Use cavitation

column separation (isotopes)
Use isotope separation

columns (extraction)
Use extraction columns

columns (mechanical)
Use mechanical structures

columns (structural)
Use supports

columns (thermal)
Use thermal columns

COMANCHE PEAK-1 REACTOR
(Somervell, Texas, USA)
*BT1 pwr type reactors

COMANCHE PEAK-2 REACTOR
(Somervell, Texas, USA)
*BT1 pwr type reactors

COMBINED COLLECTORS
INIS: Apr 2000; ETDE: Sep 1978
(Combined photovoltaic/thermal collectors.)
*BT1 solar collectors
RT photovoltaic cells
RT solar cells

COMBINED-CYCLE FW PROCESS
INIS: Apr 2000; ETDE: May 1977
(Process using a two-stage entrained gasifier similar to the bi-gas design, operating at moderate pressure and using air, that can be modified to oxygen blowing.)
UF *foster wheeler gasification process*
*BT1 coal gasification
RT entrainment

COMBINED-CYCLE POWER PLANTS
INIS: Oct 1991; ETDE: Mar 1976
(Prior to March 1976 the descriptors COMBINED CYCLES and FOSSIL-FUEL POWER PLANTS or THERMAL POWER PLANTS were used for indexing this concept in ETDE.)
UF *combined gas and steam cycle power plants*
*BT1 thermal power plants
NT1 mhd generator etf
RT coal-fired gas turbines
RT combined cycles
RT gas turbine power plants
RT hot gas cleanup
RT tosco-dyne process

COMBINED CYCLES
INIS: Oct 1991; ETDE: Jan 1975
BT1 thermodynamic cycles
RT combined-cycle power plants
RT electric power
RT power plants
RT total energy systems

combined gas and steam cycle power plants
Use combined-cycle power plants

combined heat-power generation
Use cogeneration

combined pinch devices (linear)
Use linear screw pinch devices

COMBINED SOXNOX PROCESSES
INIS: Jul 1992; ETDE: May 1990
(Processes capable of removing SOX and NOX from flue gas.)
UF *argonox process*
UF *desonox process*
*BT1 denitrification
*BT1 desulfurization
NT1 noxso process

combined steam-power generation
Use cogeneration

COMBINED THERAPY
INIS: Aug 1993; ETDE: Jan 1986
(The use of both radiotherapy and chemotherapy to achieve a synergistic effect.)
*BT1 therapy
RT antineoplastic drugs
RT chemotherapy
RT neoplasms
RT radiotherapy
RT side effects

COMBUSTION
UF *incineration*
*BT1 oxidation
BT1 thermochemical processes
NT1 cocombustion
NT1 fluidized-bed combustion
NT1 in-situ combustion
NT1 pulse combustion
NT1 reverse combustion
NT1 spontaneous combustion
NT1 staged combustion
RT afterburners
RT burners

RT calorific value
RT combustion instability
RT combustion kinetics
RT combustion products
RT combustion properties
RT combustion waves
RT detonation waves
RT dry ashing
RT exhaust recirculation systems
RT fire prevention
RT fires
RT flames
RT flammability
RT flaring
RT fuel injection systems
RT fuel-air ratio
RT gas burners
RT ignition
RT ignition quality
RT ignition systems
RT incinerators
RT knock control
RT oil burners
RT spark ignition engines
RT stratified charge engines
RT wet ashing

COMBUSTION CHAMBERS

INIS: Jan 1992; ETDE: May 1975
(Containers in which the actual burning of fuel takes place.)
RT combustors
RT engines
RT fuel injection systems
RT furnaces
RT pulse combustion
RT pulse combustors
RT spark ignition engines

COMBUSTION CONTROL

INIS: Oct 1991; ETDE: Mar 1979
(Control of factors (temperature, preheating, draft, excess or deficient air, etc.) which affect combustion efficiency.)
BT1 control
RT boilers
RT combustors
RT fuel-air ratio
RT pulse combustion
RT pulse combustors

combustion engineering gasification process

Use ce entrained fuel process

combustion engineering standard reactor

Use ce standard reactor

combustion gases

Use flue gas

COMBUSTION HEAT

UF *heat of combustion*
BT1 combustion properties
*BT1 heat
*BT1 reaction heat
RT calorific value

COMBUSTION INSTABILITY

INIS: Apr 2000; ETDE: Aug 1976
BT1 instability
RT combustion

COMBUSTION KINETICS

INIS: Apr 1984; ETDE: Aug 1976
*BT1 chemical reaction kinetics
RT combustion
RT flame propagation

COMBUSTION PRODUCTS

INIS: Mar 1983; ETDE: Oct 1975
NT1 ashes
NT2 fly ash
NT1 soot
RT 3-methylcholanthrene
RT combustion
RT exhaust gases
RT flue gas
RT gaseous wastes
RT pyrolysis products
RT solid wastes

COMBUSTION PROPERTIES

INIS: Jul 1992; ETDE: Nov 1975
UF *flame temperature*
UF *flash point*
NT1 calorific value
NT1 combustion heat
NT1 flammability
RT combustion
RT thermodynamic properties

COMBUSTION WAVES

INIS: May 1985; ETDE: Sep 1976
(Narrow zones of burning propagated through a combustible medium.)
RT combustion
RT detonation waves
RT explosions
RT ignition
RT shock waves

COMBUSTORS

INIS: Oct 1991; ETDE: Nov 1976
(Combustion chambers together with their associated burners, igniters, and fuel injection devices.)
NT1 catalytic combustors
NT1 cyclone combustors
NT1 fluidized-bed combustors
NT1 pulse combustors
RT burners
RT combustion chambers
RT combustion control
RT ignition systems

COMECON

UF *cmea*
UF *council for mutual economic assistance*
BT1 international organizations

COMETS

NT1 halley comet
RT solar system

comissao nacional energia nuclear de brazil

Use brazilian cnen

comitato nazionale energia nucleare e alternative

Use italian enea

comitato nazionale per l'energia nucleare

Use cnen

commensalism

Use symbiosis

commerce

Use trade

commerce (nuclear)

Use nuclear trade

COMMERCIAL BUILDINGS

INIS: Jan 1993; ETDE: Jan 1975
UF *banks*
UF *stores*
BT1 buildings
NT1 hotels
NT1 shopping centers
RT apartment buildings
RT commercial sector
RT office buildings
RT restaurants
RT skating rinks

commercial demonstration fast reactor

Use cdfr reactor

commercial licenses

Use licenses

commercial nuclear ships

Use nuclear merchant ships

COMMERCIAL SECTOR

INIS: Jul 1986; ETDE: Dec 1976
SF *end use sector*
RT commercial buildings
RT commercialization
RT economic development
RT market
RT marketers
RT resellers
RT residential sector
RT restaurants
RT retailers
RT sectoral analysis
RT service sector
RT small businesses
RT trade

COMMERCIALIZATION

INIS: Oct 1984; ETDE: Mar 1977
(Establishment of a new technology for large-scale use after research, development, and demonstration.)
SF *technology development*
RT biotechnology
RT commercial sector
RT demonstration programs
RT economic development
RT feasibility studies
RT gasoline plants
RT industry
RT manufacturers
RT market
RT technology impacts
RT technology transfer
RT technology utilization

COMMINUTION

INIS: Oct 1976; ETDE: Apr 1975
UF *pulverization*
NT1 crushing
NT1 grinding
RT coal preparation
RT fracturing
RT fragmentation
RT pulverizers

commissariat a l'energie atomique

Use cea

COMMISSIONING

NT1 reactor commissioning
RT decommissioning

commissioning (reactor)

Use reactor commissioning

commodities
See sales

common market
Use internal market

COMMUNICATIONS
(From July 1984 till April 1997 CRYPTOGRAPHY was a valid ETDE descriptor.)
SF *cryptography*
NT1 data transmission
NT2 telemetry
RT advertising
RT data transmission systems
RT information theory
RT man-machine systems
RT radio equipment
RT signals
RT speech
RT telephones
RT television

COMMUNITIES
INIS: Mar 1992; ETDE: Apr 1975
(From September 1977 till March 1997 PLANNED COMMUNITIES was a valid ETDE descriptor.)
SF *planned communities*
RT human populations
RT ices program
RT residential sector
RT socio-economic factors

communities (ecological)
Use ecosystems

COMMUTATION RELATIONS
RT canonical dimension
RT current algebra
RT mathematical operators
RT quantum mechanics

COMMUTATORS
*BT1 quantum operators
NT1 current commutators
NT2 sigma terms
RT current algebra

COMPACT COMMISSIONS
INIS: Aug 1992; ETDE: Mar 1984
(Joint negotiating and coordinating body for a compact's member states.)
RT intergovernmental cooperation
RT low-level radioactive wastes
RT radioactive waste management
RT state government

compact helical system torsatron
Use chs torsatron

COMPACT IGNITION TOKAMAK
INIS: Apr 1987; ETDE: Nov 1986
(A tokamak proposed as a next step after TFTR.)
*BT1 tokamak devices
*BT1 tokamak type reactors
RT thermonuclear ignition

compact toroids
Use compact torus

COMPACT TORUS
INIS: Mar 1983; ETDE: Oct 1982
(Torus with aspect ratio nearly equal to one.)
UF *compact toroids*
*BT1 closed plasma devices
BT1 tori
NT1 field-reversed theta pinch devices
NT1 rotamak devices
RT ignition spherical torus
RT plasma
RT plasma rings
RT toroidal configuration

COMPACTIFICATION
INIS: Oct 1985; ETDE: Nov 1985
(Process by which the number of space-time dimensions may be reduced.)
UF *dimensional compactification*
RT dimensions
RT kaluza-klein theory
RT space-time
RT supergravity
RT symmetry breaking

COMPACTING
BT1 fabrication
RT agglomeration
RT briquetting
RT caking
RT cementing
RT compactors
RT compacts
RT pelletizing
RT powder metallurgy
RT pressing
RT rolling

COMPACTORS
INIS: Aug 1992; ETDE: Jun 1977
BT1 equipment
RT compacting
RT compacts

COMPACTS
RT compacting
RT compactors
RT powders

compagnie generale des matieres nucleaires
Use cogema

COMPARATIVE EVALUATIONS
(Use in coordination with the concepts being compared. In the case of numerical data see also EVALUATED DATA or COMPILED DATA.)
BT1 evaluation
RT bioassay
RT correlations
RT cost benefit analysis
RT data
RT efficiency
RT errors
RT feasibility studies
RT functional models
RT hypothesis
RT interlaboratory comparisons
RT mathematical models
RT measuring methods
RT radiation effects
RT resolution
RT structural models

COMPARATOR CIRCUITS
(Provide indication of agreement or disagreement between signals.)
BT1 electronic circuits

COMPARTMENTS
RT biophysics
RT extracellular space
RT radionuclide kinetics
RT retention
RT retention functions

COMPASS-D TOKAMAK
INIS: Mar 1999; ETDE: Aug 1999
(Culham Science Center, Abingdon, Oxfordshire, UK.)
*BT1 tokamak devices

COMPATIBILITY
(Mutual behaviour of 2 or more materials joined or mixed together.)
RT interchangeability
RT joining
RT joints
RT mixtures

compatibility (immunological)
Use immunity

compensation (workmens)
Use workmens compensation

COMPETITION
INIS: Jul 1986; ETDE: Jul 1976
(Contest among individuals; may be used in any field.)
UF+ *market shares*
RT antitrust laws
RT behavior
RT cartels
RT ecological succession
RT economics
RT horizontal integration
RT marketers
RT population dynamics
RT resellers
RT retailers
RT sales
RT trade
RT vertical divestiture
RT vertical integration

competitive protein binding
Use cpb

COMPILED DATA
(Use only in conjunction with literary indicator N for data flagging.)
*BT1 numerical data
RT data acquisition
RT data compilation
RT nuclear data collections

COMPLEMENT
(A system of 18 proteins found in blood which plays a central role in the organism's response to microbial infection.)
UF+ *properdin*
*BT1 proteins
RT antibodies
RT antigen-antibody reactions
RT blood plasma
RT hemolysins
RT immune system diseases
RT lymphokines
RT zymosan

COMPLEX MANIFOLDS
BT1 mathematical manifolds

COMPLEX TERRAIN
INIS: Jun 1992; ETDE: Mar 1983
(Land sites that are made up of a combination of mountains, valleys, plateaus, watersheds, etc.)
RT mountains
RT topography
RT valleys
RT watersheds

COMPLEXES
NT1 actinide complexes
NT2 actinium complexes

NT2 americium complexes
NT2 berkelium complexes
NT2 californium complexes
NT2 curium complexes
NT2 einsteinium complexes
NT2 fermium complexes
NT2 mendelevium complexes
NT2 neptunium complexes
NT3 neptunyl complexes
NT2 nobelium complexes
NT2 plutonium complexes
NT3 plutonyl complexes
NT2 protactinium complexes
NT2 thorium complexes
NT2 uranium complexes
NT3 uranyl complexes
NT1 alkali metal complexes
NT2 cesium complexes
NT2 potassium complexes
NT2 rubidium complexes
NT2 sodium complexes
NT1 alkaline earth metal complexes
NT2 barium complexes
NT2 beryllium complexes
NT2 calcium complexes
NT2 magnesium complexes
NT2 radium complexes
NT2 strontium complexes
NT1 aluminium complexes
NT1 ammines
NT1 ammonium complexes
NT1 antimony complexes
NT1 argon complexes
NT1 arsenic complexes
NT1 astatine complexes
NT1 bismuth complexes
NT1 boron complexes
NT1 bromine complexes
NT1 cadmium complexes
NT1 carbon complexes
NT1 chelates
NT1 chlorine complexes
NT1 element 104 complexes
NT1 fluorine complexes
NT1 gallium complexes
NT1 germanium complexes
NT1 helium complexes
NT1 heteropolyanions
NT1 hydrogen complexes
NT1 indium complexes
NT1 iodine complexes
NT1 krypton complexes
NT1 lead complexes
NT1 lithium complexes
NT1 mercury complexes
NT1 neon complexes
NT1 nitrogen complexes
NT1 oxygen complexes
NT1 phosphorus complexes
NT1 polonium complexes
NT1 rare earth complexes
NT2 cerium complexes
NT2 dysprosium complexes
NT2 erbium complexes
NT2 europium complexes
NT2 gadolinium complexes
NT2 holmium complexes
NT2 lanthanum complexes
NT2 lutetium complexes
NT2 neodymium complexes
NT2 praseodymium complexes
NT2 promethium complexes
NT2 samarium complexes
NT2 terbium complexes
NT2 thulium complexes
NT2 ytterbium complexes
NT1 selenium complexes
NT1 silicon complexes
NT1 sulfur complexes
NT1 tellurium complexes
NT1 thallium complexes
NT1 tin complexes
NT1 transition element complexes
NT2 chromium complexes
NT2 cobalt complexes
NT2 copper complexes
NT3 ceruloplasmin
NT2 gold complexes
NT2 hafnium complexes
NT2 iridium complexes
NT2 iron complexes
NT3 ferricyanides
NT3 ferritin
NT3 ferrocene
NT3 ferrocyanides
NT2 manganese complexes
NT2 molybdenum complexes
NT2 nickel complexes
NT2 niobium complexes
NT2 osmium complexes
NT2 palladium complexes
NT2 platinum complexes
NT2 rhenium complexes
NT2 rhodium complexes
NT2 ruthenium complexes
NT2 scandium complexes
NT2 silver complexes
NT2 tantalum complexes
NT2 technetium complexes
NT2 titanium complexes
NT2 tungsten complexes
NT2 vanadium complexes
NT2 yttrium complexes
NT2 zirconium complexes
NT1 transuranium complexes
NT2 americium complexes
NT2 berkelium complexes
NT2 californium complexes
NT2 curium complexes
NT2 einsteinium complexes
NT2 fermium complexes
NT2 mendelevium complexes
NT2 neptunium complexes
NT3 neptunyl complexes
NT2 nobelium complexes
NT2 plutonium complexes
NT3 plutonyl complexes
NT1 xenon complexes
NT1 zinc complexes
RT adducts
RT complexometry
RT coordination number
RT coordination valences
RT crown ethers
RT ligands
RT ligases
RT metalloproteins

complexing agents

Use chelating agents

COMPLEXOMETRY

RT complexes

COMPLIANCE

INIS: Jul 1993; ETDE: Nov 1976
SF *escrow accounts*
RT administrative procedures
RT enforcement
RT laws
RT legal aspects
RT recommendations
RT regulations
RT standards
RT violations

COMPLIANCE AUDITS

INIS: Sep 1994; ETDE: May 1983
BT1 audits

component cooling systems

Use auxiliary water systems

COMPOSITE MATERIALS

UF *materials (composite)*
BT1 materials
NT1 cermets
NT2 td-nickel
NT2 td-nickel chromium
NT1 concrete-plastic composites
NT1 fiberglass
NT1 prestressed concrete
NT1 reinforced concrete
NT1 superconducting composites
NT1 wood-plastic composites
RT building materials
RT reinforced materials

COMPOSITE MODELS

UF *rishon model*
*BT1 particle models
NT1 bootstrap model
NT1 cim model
NT1 parton model
NT1 quark model
NT2 bag model
NT2 color model
NT2 flavor model
NT2 string models
NT3 superstring models
RT preons
RT quarks

COMPOST

INIS: Mar 1992; ETDE: Jul 1981
*BT1 organic wastes
RT composting
RT sewage

COMPOSTING

INIS: Mar 1992; ETDE: Sep 1975
*BT1 waste processing
RT compost
RT decomposition

COMPOUND NUCLEI

RT hauser-feshbach theory
RT jackson model
RT nuclear models
RT peierls method
RT porter-thomas distribution

COMPOUND-NUCLEUS REACTIONS

BT1 nuclear reactions
RT deep inelastic heavy ion reactions
RT evaporation model
RT heavy ion fusion reactions
RT incomplete fusion reactions
RT quasi-fission

COMPOUND PARABOLIC CONCENTRATORS

INIS: Apr 2000; ETDE: Nov 1976
UF *winston collectors*
*BT1 solar concentrators
RT parabolic reflectors

compounds (inorganic)

Use inorganic compounds

compounds (organic)

Use organic compounds

COMPREIGNACITE

INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 uranium minerals
RT uranium oxides

COMPRESSED AIR
INIS: Jan 1992; ETDE: Jan 1975
- *BT1 air
- *BT1 compressed gases
- *RT* compressed air energy storage
- *RT* compressed air energy storage equipment
- *RT* compressed air storage power plants

COMPRESSED AIR ENERGY STORAGE
INIS: Jan 1993; ETDE: Sep 1976
- UF *caes*
- *BT1 energy storage
- *RT* compressed air
- *RT* compressed air energy storage equipment
- *RT* compressed air storage power plants
- *RT* compressed gases

COMPRESSED AIR ENERGY STORAGE EQUIPMENT
INIS: Apr 2000; ETDE: Sep 1977
- BT1 equipment
- *RT* compressed air
- *RT* compressed air energy storage
- *RT* compressed air storage power plants
- *RT* compressed gases
- *RT* energy storage systems
- *RT* peaking power plants

COMPRESSED AIR STORAGE POWER PLANTS
INIS: Jan 1993; ETDE: Sep 1978
(Compressed air storage power plants.)
- UF *caes plant*
- *BT1 peaking power plants
- *RT* compressed air
- *RT* compressed air energy storage
- *RT* compressed air energy storage equipment
- *RT* compressed gases

COMPRESSED GASES
INIS: Jan 1985; ETDE: Mar 1976
- *BT1 gases
- **NT1** compressed air
- *RT* compressed air energy storage
- *RT* compressed air energy storage equipment
- *RT* compressed air storage power plants
- *RT* compressibility
- *RT* compression
- *RT* gas compressors

compressed work week
Use alternative work schedules

COMPRESSIBILITY
- BT1 mechanical properties
- *RT* compressed gases
- *RT* dilatancy
- *RT* grueneisen constant

COMPRESSIBLE FLOW
- BT1 fluid flow
- *RT* aerodynamics
- *RT* gas flow
- *RT* subsonic flow
- *RT* supersonic flow
- *RT* transonic flow

COMPRESSION
- **NT1** magnetic compression
- *RT* compressed gases
- *RT* compression ratio
- *RT* pressurization

COMPRESSION RATIO
INIS: Apr 2000; ETDE: Mar 1981
(In internal combustion engines, the ratio between the volume displaced by the piston plus the clearance space to the volume of the clearance space.)
- *RT* compression
- *RT* internal combustion engines

COMPRESSION STRENGTH
- UF *strength (compression)*
- BT1 mechanical properties
- *RT* tensile properties

COMPRESSOR BLADES
INIS: Apr 1984; ETDE: Oct 1975
(Until March 1999, this concept was indexed by the combination of COMPRESSORS and TURBINE BLADES.)
- UF *blades (compressor)*
- *RT* compressors
- *RT* turbine blades

COMPRESSORS
- SF *condensers*
- **NT1** gas compressors
- **NT1** magnetoplasma compressors
- **NT1** superchargers
  - **NT2** turbochargers
- *RT* blowers
- *RT* compressor blades
- *RT* pressurizers
- *RT* pumps
- *RT* reactor cooling systems
- *RT* turbomachinery

COMPTON DIODE DETECTORS
- *BT1 radiation detectors
- *RT* gamma detection
- *RT* self-powered detectors

COMPTON EFFECT
- UF *compton scattering*
- *BT1 elastic scattering
- *BT1 electromagnetic interactions
- *RT* compton scattering tomography
- *RT* compton wavelength
- *RT* klein-nishina formula

compton scattering
Use compton effect

COMPTON SCATTERING TOMOGRAPHY
INIS: Apr 1980; ETDE: May 1980
(Based on the detection by a gamma camera of the 90 degree Compton scattering of a planar gamma beam produced by an external source.)
- *BT1 tomography
- *RT* biomedical radiography
- *RT* compton effect
- *RT* gamma cameras

COMPTON SPECTROMETERS
- *BT1 gamma spectrometers

COMPTON WAVELENGTH
INIS: Feb 1998; ETDE: Jan 1975
(Wavelength characteristic of particles; its value is h/(mc).)
- *RT* compton effect

computed tomography
Use computerized tomography

COMPUTER-AIDED DESIGN
INIS: Jul 1977; ETDE: Feb 1976
- BT1 design
- *RT* computer graphics
- *RT* computer-aided manufacturing
- *RT* computer-graphics devices
- *RT* computers
- *RT* mathematical models
- *RT* planning

COMPUTER-AIDED INSTRUCTION
INIS: Feb 1992; ETDE: Dec 1987
- *BT1 training

COMPUTER-AIDED MANUFACTURING
INIS: Jan 1984; ETDE: Jul 1983
- UF *cam*
- BT1 manufacturing
- *RT* automation
- *RT* computer-aided design
- *RT* fabrication
- *RT* machine tools
- *RT* on-line control systems
- *RT* production

COMPUTER ARCHITECTURE
INIS: Feb 1987; ETDE: Jul 1986
(Assembly of logical elements to form a computing system.)
- *RT* array processors
- *RT* computer output devices
- *RT* computers
- *RT* digital systems
- *RT* electronic equipment
- *RT* equipment interfaces
- *RT* neural networks
- *RT* real time systems

computer axial tomography scanning
Use cat scanning

COMPUTER CALCULATIONS
(Methods, not results.)
- UF *calculations (computer)*
- *RT* boundary element method
- *RT* computer graphics
- *RT* computer-graphics devices
- *RT* computerized simulation
- *RT* computers
- *RT* data analysis
- *RT* mathematical models
- *RT* mesh generation
- *RT* numerical analysis
- *RT* sensitivity analysis

COMPUTER CODES
(Computer codes are indexed by their initial letter and CODES, e.g., A CODES. If the code name begins with a number the code is indexed to NUMBER CODES.)
- UF *computer programs*
- SF *random number generators*
- SF *text editors*
- **NT1** a codes
- **NT1** b codes
- **NT1** c codes
- **NT1** d codes
- **NT1** e codes
- **NT1** executive codes
- **NT1** f codes
- **NT1** g codes
- **NT1** h codes
- **NT1** i codes
- **NT1** j codes
- **NT1** k codes
- **NT1** l codes
- **NT1** m codes
- **NT1** n codes
- **NT1** number codes
- **NT1** o codes
- **NT1** p codes
- **NT1** q codes

NT1 r codes
NT1 s codes
NT1 t codes
NT1 translators
NT1 u codes
NT1 v codes
NT1 w codes
NT1 x codes
NT1 y codes
NT1 z codes
RT algorithms
RT computer program documentation
RT programming
RT programming languages
RT speech synthesizers

COMPUTER GRAPHICS

INIS: Dec 1982; ETDE: Jan 1975
(The technique of combining computer calculations with various display devices, printers, plotters, etc., to render information in graphical or pictorial format.)
UF+ *chernoff faces*
RT computer calculations
RT computer output devices
RT computer-aided design
RT computer-graphics devices
RT diagrams
RT display devices
RT interactive display devices
RT plotters

COMPUTER-GRAPHICS DEVICES

BT1 computer output devices
NT1 display devices
NT2 interactive display devices
NT1 plotters
RT computer calculations
RT computer graphics
RT computer-aided design
RT diagrams

computer languages

Use programming languages

COMPUTER NETWORKS

INIS: Aug 1976; ETDE: Nov 1976
(A complex consisting of two or more interconnected computing units.)
UF *networks (computer)*
NT1 internet
NT1 local area networks
RT computers
RT data transmission
RT information systems
RT on-line systems
RT real time systems

COMPUTER OUTPUT DEVICES

INIS: Dec 1990; ETDE: Mar 1976
NT1 computer-graphics devices
NT2 display devices
NT3 interactive display devices
NT2 plotters
RT computer architecture
RT computer graphics
RT computers

COMPUTER PROGRAM DOCUMENTATION

INIS: Sep 1987; ETDE: Oct 1987
(Use only in conjunction with literary indicator V for indexing the actual documentation which enables the installation and use of a computer code.)
RT computer codes
RT manuals
RT programming
RT programming languages

computer programming

Use programming

computer programs

Use computer codes

computer simulation

Use computerized simulation

COMPUTERIZED CONTROL SYSTEMS

INIS: Oct 1991; ETDE: Mar 1980
*BT1 on-line control systems
RT computers
RT control equipment
RT energy management systems
RT fault tolerant computers

COMPUTERIZED SIMULATION

INIS: Dec 1979; ETDE: Apr 1979
(Computer calculated representation of a process, device or concept in mathematical form.)
UF *computer simulation*
BT1 simulation
RT computer calculations
RT energy models
RT molecular dynamics method
RT numerical analysis

COMPUTERIZED TOMOGRAPHY

INIS: Apr 1980; ETDE: May 1980
(An imaging technique in which transmission measurements of a narrow beam of rays, photons or particles made at several different angles around an object may be used with a computer program to obtain a clear image of one plane of the object.)
UF *computed tomography*
*BT1 tomography
NT1 cat scanning
NT1 emission computed tomography
NT2 ecat scanning
NT2 positron computed tomography
NT2 single photon emission computed tomography
NT1 photon computed tomography
NT1 proton computed tomography
RT biomedical radiography
RT image processing
RT image scanners
RT sequential scanning

COMPUTERS

(Most UF terms below have been valid ETDE descriptors.)
UF *amdahl computers*
UF *atlas computers*
UF *burroughs computers*
UF *denelcor computers*
UF *ferranti computers*
UF *fluidic computers*
UF *ge computers*
UF *illiac computers*
UF *kdf computers*
UF *maniac computers*
UF *midas computer*
UF *optical computers*
UF *orion computers*
UF *philco computers*
UF *tosbac computers*
UF *ural computers*
UF *varian computers*
UF *xds computers*
UF *xerox data systems computers*
UF+ *on-line computers*
NT1 analog computers
NT1 apple computers
NT1 besm computers
NT1 cdc computers
NT1 cray computers
NT1 dec computers
NT2 pdp computers
NT1 digital computers
NT2 array processors
NT2 calculators
NT2 fault tolerant computers
NT2 microcomputers
NT3 personal computers
NT2 supercomputers
NT1 es computers
NT1 facom computers
NT1 fujitsu computers
NT1 hitachi computers
NT1 honeywell computers
NT1 hp computers
NT1 hybrid computers
NT1 hypercube computers
NT1 ibm computers
NT1 icl computers
NT1 minsk computers
NT1 nec computers
NT1 nord computers
NT1 process computers
NT1 razdan computers
NT1 sds computers
NT1 siemens computers
NT1 univac computers
RT analog systems
RT artificial intelligence
RT camac system
RT computer architecture
RT computer calculations
RT computer networks
RT computer output devices
RT computer-aided design
RT computerized control systems
RT data processing
RT data-flow processing
RT digital systems
RT electronic equipment
RT equipment interfaces
RT fastbus system
RT machine translations
RT magnetic cores
RT memory management
RT microprocessors
RT nuclear instrument modules
RT parallel processing
RT programming
RT real time systems
RT vector processing

CONCANAVALIN A

INIS: Feb 1981; ETDE: Mar 1981
(Prior to November 1990, this material was indexed to CONCANAVALIN.)
*BT1 hemagglutinins
BT1 lectins
RT cell cycle
RT cell proliferation
RT lymphocytes
RT mitosis

concentrates (ore)

Use ore concentrates

CONCENTRATING COLLECTORS

INIS: Mar 1992; ETDE: Jun 1977
*BT1 solar collectors
NT1 fixed mirror collectors
NT1 parabolic collectors
NT2 parabolic dish collectors
NT2 parabolic trough collectors
NT1 slat type collectors
NT1 tower focus collectors
NT1 v trough collectors
RT solar concentrators

RT solar receivers

concentration
See abundance
OR concentration ratio
OR ecological concentration

concentration (analytical)
See abundance

concentration dependence
See abundance

concentration processes (ecological)
Use ecological concentration

CONCENTRATION RATIO
(See also ISOTOPE RATIO. Until July 1993, this concept was indexed in INIS by QUANTITY RATIO.)
UF *quantity ratio*
SF *concentration*
RT abundance
RT concentrator solar cells
RT ecological concentration
RT quantitative chemical analysis
RT radioecological concentration
RT radionuclide kinetics
RT solar concentrators
RT thermodynamic activity

concentrations (radionuclides)
Use radioactivity

CONCENTRATOR SOLAR CELLS
INIS: May 1992; ETDE: Jul 1979
(Prior to July 1979 SOLAR CELLS or specific solar cells descriptors and solar concentrators were used to index this concept in ETDE.)
*BT1 solar cells
RT concentration ratio
RT solar concentrators
RT solar receivers

CONCENTRATORS
INIS: Jun 1994; ETDE: Feb 1976
NT1 centrifuges
NT2 gas centrifuges
NT2 plasma centrifuges
NT2 ultracentrifuges
NT1 cyclone separators
NT1 dewatering equipment
NT1 jigs
NT1 magnetic separators
RT screens
RT separation processes
RT sorting

CONCRETE BLOCKS
INIS: Apr 2000; ETDE: Jul 1979
*BT1 building materials
RT concretes

CONCRETE-PLASTIC COMPOSITES
INIS: Nov 1975; ETDE: Jan 1975
*BT1 composite materials
RT concretes
RT organic polymers
RT plastics

CONCRETE STRINGERS
RT reinforced concrete

CONCRETES
*BT1 building materials
NT1 prestressed concrete
NT1 reinforced concrete
RT cements
RT concrete blocks
RT concrete-plastic composites
RT mortars
RT pavements
RT sand
RT shielding materials

CONCRETIONS
INIS: Jan 2000; ETDE: May 1975
(Bodies within host rocks representing local concentrations of cementing materials.)
BT1 geologic deposits
RT minerals
RT rocks

CONDENSATES
NT1 gas condensates
RT vapor condensation

condensation (organic compounds)
Use dehydrocyclization

condensation (vapor)
Use vapor condensation

CONDENSATION CHAMBERS
RT control equipment
RT pressure suppression
RT reactor components
RT reactor cooling systems
RT reactor safety
RT vapor condensation

CONDENSATION NUCLEI
INIS: Sep 1981; ETDE: Apr 1978
(Small particles upon which gases can condense, such as dust in the earth's atmosphere.)
RT aerosols
RT aitken nuclei
RT meteorology
RT particles
RT vapor condensation

CONDENSED AROMATICS
UF *fluoranthene*
UF *polynuclear hydrocarbons*
UF+ *violanthrone*
*BT1 aromatics
NT1 3-methylcholanthrene
NT1 acenaphthene
NT1 anthracene
NT1 benzanthracene
NT1 benzopyrene
NT1 calixarenes
NT1 cholanthrene
NT1 chrysene
NT1 dimethylbenzanthracene
NT1 fluorene
NT1 indene
NT1 indocyanine green
NT1 methylnaphthalenes
NT1 naphthalene
NT1 pentacene
NT1 perylene
NT1 phenanthrene
NT1 pyrene
NT1 tetracene
NT1 triphenylene

condensed cycloalkanes
Use cycloalkanes

CONDENSER COOLING SYSTEMS
INIS: Jul 1980; ETDE: Jun 1975
(For heat dissipation in either nuclear or fossil fueled power plants. May be of open circuit or closed cycle design.)
*BT1 auxiliary water systems
*BT1 cooling systems
RT reactor cooling systems

CONDENSER IONIZATION CHAMBERS
UF *pocket chambers*
*BT1 dosemeters
*BT1 ionization chambers
RT electrometers

condensers
See compressors
OR heat exchangers
OR vapor condensers

condensers (electric)
Use capacitors

condensers (steam)
Use steam condensers

condensers (using ice)
Use ice condensers

condensers (vapor)
Use vapor condensers

condiments
Use food

condition ratio
Use formation damage

CONDITIONED REFLEXES
BT1 reflexes
RT avoidance
RT cerebral cortex
RT learning

conduction (thermal)
Use thermal conduction

conductivity (electric)
Use electric conductivity

conductivity (thermal)
Use thermal conductivity

CONDUCTOR DEVICES
*BT1 electrical equipment
NT1 connectors
NT1 electric cables
NT2 coaxial cables
NT2 cryogenic cables
NT2 gas-insulated cables
NT2 oil-filled cables
NT2 superconducting cables
NT1 electric fuses
RT electric conductors
RT resistors

conductors (electric)
Use electric conductors

CONES
INIS: Sep 1983; ETDE: Apr 1975
RT shape

conferences
Use meetings

CONFIGURATION
(For the relative arrangement of component parts; for electron configuration in atoms and molecules use ELECTRONIC STRUCTURE; for nuclear configuration use NUCLEAR STRUCTURE; for molecular configuration use MOLECULAR STRUCTURE.)
UF+ *fuel rod consolidation*
NT1 annular space
NT2 toroidal configuration
NT1 circular configuration
NT1 conical configuration

NT1 cylindrical configuration
NT1 elliptical configuration
NT1 helical configuration
NT1 hexagonal configuration
NT1 prismatic configuration
NT1 rectangular configuration
NT2 square configuration
NT1 spherical configuration
NT1 spiral configuration
NT1 triangular configuration
RT anisotropy
RT asymmetry
RT crystal structure
RT geometry
RT isotropy
RT mass distribution
RT morphology
RT network analysis
RT orientation
RT reactor lattices
RT rings
RT shape
RT symmetry

CONFIGURATION CONTROL
(Reactor control by varying the configuration of the fuel, reflector, coolant or moderator.)
BT1 control
NT1 spectral shift control
RT moderators
RT neutron reflectors
RT reactor control systems
RT reactor lattices
RT reflector savings

configuration dependence
Use space dependence

CONFIGURATION INTERACTION
(Not for interactions of elementary particles; for which see INTERACTIONS.)
RT atomic models
RT conformational changes
RT electronic structure
RT molecular structure

CONFIGURATION MIXING
BT1 interactions
RT kobayashi-maskawa matrix

CONFINEMENT
NT1 plasma confinement
NT2 inertial confinement
NT2 magnetic confinement
NT3 h-mode plasma confinement
NT3 l-mode plasma confinement
RT electron rings
RT energy balance
RT ion rings
RT magnetic field configurations
RT magnetic insulation
RT mass balance

CONFINEMENT TIME
RT h-mode plasma confinement
RT lawson criterion
RT plasma confinement
RT plasma disruption
RT thermonuclear devices
RT thermonuclear reactors
RT time dependence

CONFLICTS OF INTEREST
INIS: Jul 1993; ETDE: Aug 1980
RT antitrust laws
RT contracts
RT legal aspects

CONFORMAL GROUPS
*BT1 lie groups
RT conformal invariance
RT conformal mapping

CONFORMAL INVARIANCE
BT1 invariance principles
RT conformal groups
RT scale dimension
RT scale invariance

CONFORMAL MAPPING
*BT1 topological mapping
RT conformal groups
RT mathematics
RT smooth manifolds

CONFORMATIONAL CHANGES
INIS: Sep 1993; ETDE: Feb 1980
RT configuration interaction
RT electronic structure
RT molecular structure

CONGENITAL DISEASES
UF+ *xeroderma pigmentosum*
BT1 diseases
NT1 downs syndrome
RT congenital malformations
RT hereditary diseases

CONGENITAL MALFORMATIONS
*BT1 malformations
NT1 downs syndrome
RT congenital diseases
RT delayed radiation effects
RT fetuses
RT genetic effects
RT mutations
RT pediatrics
RT teratogenesis
RT teratogens

CONGLOMERATES
(Limited to geological formations.)
*BT1 sedimentary rocks
NT1 calcretes
RT graywacke

congo democratic republic
Use democratic republic of the congo

congo kinshasa triga reactor
Use trico reactor

CONGO PEOPLES REPUBLIC
BT1 africa
BT1 developing countries
NT1 brazzaville

congo red
Use amines
AND azo dyes
AND indicators
AND sulfonic acids

congressional hearings
Use hearings

CONGRESSIONAL INQUIRIES
INIS: Apr 2000; ETDE: Mar 1983
(Requests by members of congress for information; not to be used for CONGRESSIONAL HEARINGS.)
RT information

CONICAL CONFIGURATION
BT1 configuration

CONIDIA
BT1 spores
RT fungi

CONIFERS
*BT1 pinophyta
NT1 cedars
NT1 firs
NT1 hemlocks
NT1 larches
NT1 pines
NT1 spruces
RT shrubs
RT trees

coning
Use channeling

conjugate points
Use geomagnetic conjugacy

CONJUNCTIVA
*BT1 eyes
*BT1 mucous membranes
RT conjunctivitis
RT epithelium

CONJUNCTIVITIS
*BT1 sense organs diseases
RT conjunctiva

CONNAH QUAY-B REACTOR
*BT1 agr type reactors
*BT1 carbon dioxide cooled reactors
*BT1 power reactors

connate water
Use interstitial water

CONNECTICUT
*BT1 usa
RT connecticut river
RT connecticut river basin
RT long island sound
RT us east coast

CONNECTICUT RIVER
*BT1 rivers
RT connecticut
RT connecticut river basin
RT massachusetts
RT new hampshire
RT vermont

CONNECTICUT RIVER BASIN
INIS: Apr 2000; ETDE: Sep 1977
BT1 watersheds
RT connecticut
RT connecticut river
RT massachusetts
RT new hampshire
RT vermont

CONNECTICUT YANKEE REACTOR
UF *haddam neck reactor*
UF *yankee connecticut reactor*
*BT1 pwr type reactors

connecting
Use fastening

connections
Use joints

CONNECTIVE TISSUE
*BT1 animal tissues
NT1 adipose tissue
NT1 bone tissues
NT2 antlers
NT2 trabecular bone
NT1 cartilage
NT1 fascia
NT1 ligaments
NT1 tendons
RT blood
RT collagen
RT connective tissue cells

RT fibrosis
RT reticuloendothelial system

CONNECTIVE TISSUE CELLS
UF *osteoblasts*
*BT1 somatic cells
NT1 bone cells
NT1 bone marrow cells
NT1 fat cells
NT1 fibroblasts
NT1 lymphocytes
NT1 macrophages
NT1 mast cells
NT1 plasma cells
RT connective tissue

CONNECTORS
SF *junctions*
*BT1 conductor devices
RT potheads
RT switches

conoco gasification process
Use coal gasification

conoco process
Use desulfurization

consent orders
Use orders

conservation (charge)
Use charge conservation

conservation (energy)
Use energy conservation

conservation (resource)
Use resource conservation

conservation (resources)
Use resource conservation

CONSERVATION LAWS
RT basic interactions
RT continuity equations
RT invariance principles
RT particle kinematics

CONSOL FGD PROCESS
INIS: Apr 2000; ETDE: Aug 1977
(Concentrated aqueous solution of potassium thiosulfate is circulated through a pump-around loop containing a packed bed scrubber for sulfur dioxide removal and an external reaction drum.)
*BT1 desulfurization
RT scrubbers

CONSOL STIRRED BED PROCESS
INIS: Apr 2000; ETDE: Nov 1975
(Fluidized-bed carbonization of ground coal in vessel equipped with stirrer blades.)
RT carbonization
RT chars

consol synthetic fuel process
Use coal liquefaction

CONSOL SYNTHETIC GAS PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Coarse caking coal and non-caking pellets are gasified conventionally in a fixed bed to produce a low btu gas with air or a synthesis gas with oxygen.)
*BT1 coal gasification

CONSOLES
RT control rooms
RT display devices
RT electronic equipment

consolidated edison thorium reactor
Use indian point-1 reactor

CONSOLIDATED FUEL REPROCESSING PROGRAM
INIS: Feb 1981; ETDE: Oct 1980
(A comprehensive program to develop and demonstrate breeder reprocessing and recycle. Until August 1994 this descriptor was spelled CFRP PROGRAM.)
UF *cfrp program*
*BT1 coordinated research programs
RT hef
RT reprocessing

consolidation (sand)
Use sand consolidation

CONSORT-2 REACTOR
(Imperial College of Science and Technology for Univ. of London, Ascot, Berkshire, United Kingdom)
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

CONSPIRACY RELATIONS
RT regge poles
RT scattering

CONSTANTAN
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-cu52ni47

CONSTIPATION
BT1 symptoms
RT diarrhea
RT digestive system diseases
RT intestines

constituent interchange model
Use cim model

constraints
See limiting values

CONSTRUCTION
(For manufacturing see FABRICATION.)
UF *building (constructing)*
NT1 cwip
RT afudc
RT building codes
RT buildings
RT construction industry
RT contracts
RT excavation
RT foundations
RT installation
RT mechanical structures
RT mine drivage
RT modifications
RT modular structures
RT nuclear industry
RT planning
RT retrofitting
RT schedules
RT structural beams

CONSTRUCTION INDUSTRY
INIS: Apr 1992; ETDE: Sep 1977
BT1 industry
RT architects
RT builders
RT buildings
RT construction
RT engineers
RT modular structures

CONSTRUCTION PERMITS
INIS: Dec 1976; ETDE: Mar 1978
BT1 licenses

construction work in progress
Use cwip

CONSTRUCTIVE FIELD THEORY
INIS: Nov 1977; ETDE: Mar 1978
UF+ *euclidean quantum field theory*
*BT1 quantum field theory
NT1 lattice field theory

CONSULTANTS
INIS: Jan 1984; ETDE: Jul 1980
BT1 personnel
RT contracts

consultation mechanism on sea dumping
Use oecd mcmsdrw

consumer guides
Use consumer products

consumer price index
Use retail prices

consumer prices
Use retail prices

CONSUMER PRODUCTS
INIS: Sep 1980; ETDE: Oct 1977
(Articles of commerce available to the general public. When possible, use descriptors for the specific products, e.g., food, clothing, instruments and pharmaceuticals.)
UF *consumer guides*
UF *cosmetics*
RT advertising
RT clothing
RT consumer protection
RT drugs
RT food

CONSUMER PROTECTION
INIS: Feb 1992; ETDE: Jun 1977
RT consumer products
RT interest groups
RT legal aspects
RT product labeling
RT public relations
RT regulations
RT us natural gas policy act
RT warranties

consumers michigan palisades reactor
Use palisades-1 reactor

consumers power company midland-1
Use midland-1 reactor

consumers power company midland-1 reactor
Use midland-1 reactor

consumers power company midland-2
Use midland-2 reactor

consumers power company midland-2 reactor
Use midland-2 reactor

CONSUMPTION RATES

INIS: Jun 1993; ETDE: Apr 1975
(For actions, ratios, percentages; not for consumption as a function of time.)
RT energy consumption
RT fuel consumption

CONTACT HANDLING

INIS: Dec 1985; ETDE: Oct 1984
(Handling by touch, perhaps made allowable because of low surface radiation dose rate.)
RT materials handling
RT materials handling equipment
RT remote handling

contact radiotherapy

Use radiotherapy

contactors

Use switches

contacts (electric)

Use electric contacts

CONTAINED EXPLOSIONS

UF+ *monique event*
UF+ *pokhran event*
UF+ *wagon wheel event*
*BT1 underground explosions
RT anvil project
RT bedrock project
RT chemical explosions
RT crosstie operation
RT grommet operation
RT latchkey operation
RT mandrel operation
RT mining
RT nougat operation
RT nuclear explosions
RT praetorian project
RT sun beam operation
RT surface mining
RT toggle operation
RT whetstone operation

CONTAINERS

UF *canisters*
UF *vessels*
NT1 calandrias
NT1 capsules
NT1 casks
NT2 spent fuel casks
NT1 dewars
NT1 gas cylinders
NT1 hoppers
NT1 pressure vessels
NT1 reactor vessels
NT1 tanks
NT2 floating roof tanks
NT2 hydraulic accumulators
RT chemical reactors
RT containment
RT coverings
RT liners
RT packaging
RT radiation sources
RT reactor components
RT shielding
RT transport

CONTAINMENT

(Means and methods for preventing the escape of radioactive materials to the biosphere, particularly in the case of reactor accidents and including entombment.)
UF *entombment (radioactive materials)*
NT1 containment buildings
NT1 containment shells
NT1 containment systems
NT2 containment spray systems
RT containers
RT containment mockup facility
RT containment research installation
RT fission product release
RT fission products
RT gloveboxes
RT leaks
RT radiation protection
RT reactor components
RT reactor safety
RT sealed sources
RT source terms

CONTAINMENT BUILDINGS

UF *buildings (containment)*
BT1 buildings
BT1 containment

CONTAINMENT MOCKUP FACILITY

BT1 reactor safety experiments
RT containment

CONTAINMENT RESEARCH INSTALLATION

BT1 reactor safety experiments
RT containment

CONTAINMENT SHELLS

UF *shells (containment)*
BT1 containment

CONTAINMENT SPRAY SYSTEMS

UF *spray systems (containment)*
*BT1 containment systems
RT pressure suppression
RT reactor safety

CONTAINMENT SYSTEMS

BT1 containment
BT1 engineered safety systems
NT1 containment spray systems
RT containment systems experiment
RT fission products
RT ice condensers

CONTAINMENT SYSTEMS EXPERIMENT

BT1 reactor safety experiments
RT containment systems

CONTAMINATION

(For radioactive contamination only; see also POLLUTION.)
NT1 indoor air contamination
NT1 surface contamination
NT1 transfrontier contamination
RT body burden
RT clean rooms
RT contamination regulations
RT environment
RT fallout
RT fission product release
RT fouling
RT global aspects
RT impurities
RT lcpmpdpw
RT liquid contamination monitors
RT maximum acceptable contamination
RT medical surveillance
RT oecd mcmsdrw
RT pollutants
RT radioactive wastes
RT radioactivity
RT radioactivity transport
RT radioecological concentration
RT remedial action

contamination (internal)

Use radionuclide kinetics

contamination (surface)

Use surface contamination

CONTAMINATION REGULATIONS

(Regulations for radioactive contamination only; see also POLLUTION REGULATIONS.)
*BT1 regulations
NT1 maximum acceptable contamination
RT contamination
RT pollution regulations
RT transfrontier contamination

content analysis

Use chemical analysis

CONTIGS

INIS: Apr 2000; ETDE: Feb 1994
(Chromosomal fragments produced by cleavage of a chromosome into overlapping sections of DNA of 0.5 to 5 million base pairs.)
*BT1 dna
RT chromosomes
RT endonucleases
RT genetic mapping

CONTINENTAL CRUST

INIS: Sep 1981; ETDE: Sep 1977
BT1 earth crust
RT earth planet
RT oceanic crust

CONTINENTAL MARGIN

INIS: Oct 1991; ETDE: Dec 1978
(The ocean floor that is between the shoreline and the abyssal ocean floor including the continental borderland, the continental shelf, the continental slope, and the continental rise.)
NT1 continental shelf
NT1 continental slope
RT coastal waters

CONTINENTAL SHELF

UF *outer continental shelf*
BT1 continental margin
RT coastal waters
RT coastal zone management acts
RT continental slope
RT mid-atlantic bight
RT new york bight
RT santa barbara channel
RT south atlantic bight
RT submarine canyons
RT territorial waters

CONTINENTAL SLOPE

INIS: Oct 1991; ETDE: Jun 1978
(That part of the continental margin that is between the continental shelf and the continental rise.)
BT1 continental margin
RT coastal waters
RT continental shelf
RT submarine canyons

CONTINUED FRACTIONS

(Finite or infinite.)
RT analytic functions
RT series expansion

CONTINUITY EQUATIONS

*BT1 partial differential equations
RT conservation laws
RT electromagnetism
RT fluid flow
RT heat transfer

CONTINUOUS CULTURE
INIS: May 1992; ETDE: Jun 1978
- *RT* aerobic digestion
- *RT* anaerobic digestion
- *RT* batch culture
- *RT* culture media
- *RT* fermentation
- *RT* semibatch culture
- *RT* single cell protein

CONTINUOUS CURRENT TOKAMAK
INIS: Aug 1991; ETDE: Sep 1991
- *BT1 tokamak devices

continuous intake
Use chronic intake

continuous irradiation
Use chronic irradiation

CONTINUOUS MINERS
INIS: Apr 2000; ETDE: May 1978
- *BT1 cutter loaders

continuous vacuum casting
Use vacuum casting

continuum shell model
Use shell models

contract administration
Use contract management

CONTRACT MANAGEMENT
INIS: Mar 1993; ETDE: Sep 1980
(Prior to March 1983 this concept in ETDE was indexed to PROGRAM MANAGEMENT.)
- UF *contract administration*
- *BT1 program management
- *RT* contractors
- *RT* contracts
- *RT* schedules

CONTRACTION
- *RT* expansion
- *RT* expansion joints
- *RT* shrinkage
- *RT* thermal expansion

CONTRACTOR PERSONNEL
INIS: Jul 1993; ETDE: Mar 1983
(Persons employed by a contractor.)
- BT1 personnel
- *RT* contractors
- *RT* contracts

CONTRACTORS
INIS: Jul 1986; ETDE: Mar 1983
(Persons or companies which supply services under contract.)
- UF *subcontractors*
- *RT* contract management
- *RT* contractor personnel
- *RT* contracts

CONTRACTS
- UF *fixed-price contracts*
- **NT1** leases
- *RT* agreements
- *RT* conflicts of interest
- *RT* construction
- *RT* consultants
- *RT* contract management
- *RT* contractor personnel
- *RT* contractors
- *RT* delivery
- *RT* leasing
- *RT* proposals
- *RT* time delay

contractual liability
Use liabilities

CONTRAST MEDIA
- UF+ *diodrast*
- UF+ *iodopyracet*
- **NT1** hippuran
- **NT1** iohexol
- **NT1** iopamidol
- **NT1** lipiodol
- **NT1** metrizamide
- **NT1** thorotrast
- *RT* biomedical radiography
- *RT* nuclear magnetic resonance

CONTROL
(Regulating a process, property or component in a qualitative or quantitative sense. Not to be confused with MONITORING which refers only to detection or measurement.)
- UF+ *attitude control*
- **NT1** atomic energy control
  - **NT2** international control
  - **NT2** national control
- **NT1** closed-loop control
- **NT1** combustion control
- **NT1** configuration control
  - **NT2** spectral shift control
- **NT1** erosion control
- **NT1** flood control
- **NT1** fluid poison control
- **NT1** frequency control
- **NT1** humidity control
- **NT1** knock control
- **NT1** mode control
- **NT1** open-loop control
- **NT1** optimal control
- **NT1** pest control
  - **NT2** genetic control
  - **NT2** pest eradication
- **NT1** pollution control
  - **NT2** air pollution control
  - **NT2** land pollution control
  - **NT2** noise pollution control
  - **NT2** oil pollution containment
  - **NT2** water pollution control
- **NT1** pressure control
- **NT1** process control
- **NT1** quality control
- **NT1** remote control
- **NT1** scale control
- **NT1** temperature control
- **NT1** traffic control
- *RT* bifurcation
- *RT* control systems
- *RT* control theory
- *RT* cybernetics
- *RT* decision tree analysis
- *RT* detection
- *RT* fault tree analysis
- *RT* feedback
- *RT* mitigation
- *RT* monitoring
- *RT* optimization

control (inspection)
Use inspection

control (radioactivity)
Use radiation monitoring

CONTROL ELEMENTS
- UF *control rods*
- UF *reactor control rods*
- UF *rods (control)*
- BT1 reactor components
- **NT1** regulating rods
- **NT1** scram rods
- **NT1** shim rods
- *RT* burnable poisons
- *RT* control rod drives
- *RT* control rod worths
- *RT* guide tubes
- *RT* neutron absorbers
- *RT* reactor control systems
- *RT* reactor cores
- *RT* reactor kinetics
- *RT* rod drop accidents
- *RT* rod drop method
- *RT* rod ejection accidents

CONTROL EQUIPMENT
- BT1 equipment
- **NT1** electric controllers
- **NT1** flow regulators
  - **NT2** baffles
  - **NT2** valves
    - **NT3** relief valves
    - **NT3** water faucets
- **NT1** fluidic control devices
- **NT1** humidistats
- **NT1** hydraulic control devices
- **NT1** pneumatic controllers
- **NT1** pressure regulators
- **NT1** servomechanisms
- **NT1** speed regulators
- **NT1** thermostats
  - **NT2** cryostats
- *RT* actuators
- *RT* computerized control systems
- *RT* condensation chambers
- *RT* control rooms
- *RT* control systems
- *RT* excitation systems
- *RT* knock control
- *RT* reactor components
- *RT* robots
- *RT* solar tracking

CONTROL ROD DRIVES
- BT1 reactor components
- *RT* control elements
- *RT* reactor control systems

control rod effectiveness
Use control rod worths

CONTROL ROD WORTHS
- UF *control rod effectiveness*
- *RT* control elements
- *RT* nordheim-scalettar method
- *RT* reactor kinetics

control rods
Use control elements

CONTROL ROOMS
INIS: Dec 1979; ETDE: Aug 1977
(In the sense of the fully instrumented complex of control equipment, displays and instruments and their layout in a room at a particular facility and not in the limited sense of a part of a building.)
- *RT* consoles
- *RT* control equipment
- *RT* display devices
- *RT* man-machine systems
- *RT* reactor control systems
- *RT* reactor instrumentation
- *RT* reactor simulators

CONTROL SYSTEMS
(For automated processes including feedback.)
- **NT1** electronic guidance
- **NT1** energy management systems
- **NT1** entry control systems
- **NT1** on-line control systems
  - **NT2** computerized control systems
- **NT1** reactor control systems
- **NT1** var control systems

RT control
RT control equipment
RT heliostats
RT identification systems
RT interlocks
RT man-machine systems
RT optimization
RT power conditioning circuits
RT real time systems
RT robots
RT systems analysis

CONTROL THEORY
INIS: Sep 1976; ETDE: Nov 1976
RT control
RT differential equations
RT feedback
RT optimization

control theory (fission reactor)
Use reactor kinetics

control theory (reactor)
Use reactor kinetics

CONTROLLED AREAS
INIS: Dec 1976; ETDE: Mar 1978
(Areas designated by radiation protection regulations for special monitoring.)
RT nuclear facilities
RT radiation monitoring
RT radiation protection

CONTROLLED ATMOSPHERES
BT1 atmospheres
NT1 inert atmosphere
NT2 cover gas
RT clean rooms
RT environment
RT exposure chambers
RT heat treatments

controlled terminology
Use standardized terminology

conv assist nuc acc/rad emerg
Use canare

CONVECTION
(Heat transfer by convection.)
*BT1 heat transfer
BT1 mass transfer
NT1 forced convection
NT1 natural convection
NT1 thermosyphon effect
RT advection
RT grashof number

CONVECTIVE INSTABILITIES
(A class of plasma instabilities growing exponentially with time in velocity space.)
*BT1 plasma instability
RT absolute instabilities
RT briggs criterion

convective loop houses
Use double envelope buildings

convention on early notification of nuclear accident
Use cenna

convention on nuclear safety
Use icns

convention on physical protection of nuclear material
Use cppnm

convention on supplementary compensation for nuclear damage
Use cscnd

convention on the physical protection of nuclear materials
Use cppnm

CONVENTIONAL WARFARE
INIS: Apr 2000; ETDE: Feb 1986
BT1 warfare

conventions
Use agreements

CONVERGENCE
(Approach to a limit, e.g. by an infinite sequence; prior to December 1982 this concept was indexed by SERIES EXPANSION.)
RT mathematics
RT series expansion
RT superconvergence relations

CONVERSION
NT1 energy conversion
NT2 direct energy conversion
NT3 photovoltaic conversion
NT3 thermionic conversion
NT3 thermoelectric conversion
NT3 thermomagnetic conversion
NT3 thermophotovoltaic conversion
NT2 electrochemical energy conversion
NT2 geothermal energy conversion
NT2 solar energy conversion
NT3 ocean thermal energy conversion
NT3 solar thermal conversion
NT1 external conversion
NT1 internal conversion
NT2 k conversion
NT2 l conversion
NT2 m conversion

conversion (nuclear fuel)
Use nuclear fuel conversion

CONVERSION RATIO
NT1 breeding ratio
RT nuclear fuel conversion

converters (analog-digital)
Use analog-to-digital converters

converters (digital-analog)
Use digital-to-analog converters

converters (electric)
Use dc to dc converters

converters (image)
Use image converters

converters (pulse)
Use pulse converters

convertol process
Use coal preparation

CONVEX MANIFOLDS
INIS: Sep 1976; ETDE: Nov 1976
BT1 mathematical manifolds

CONVEYORS
INIS: Dec 1985; ETDE: Mar 1977
*BT1 haulage equipment
NT1 belt conveyors
NT1 chain conveyors
RT materials handling
RT mining equipment
RT transport

cony
Use mammals

COOK-1 REACTOR
UF *donald c. cook-1 reactor*
*BT1 pwr type reactors

COOK-2 REACTOR
UF *donald c. cook-2 reactor*
*BT1 pwr type reactors

cook inlet
Use gulf of alaska

cooking
See food processing

cooking (food)
Use food processing

COOLANT CLEANUP SYSTEMS
INIS: Oct 1977; ETDE: Jan 1975
*BT1 primary coolant circuits
RT cleaning
RT decontamination
RT extraction apparatuses
RT filters
RT purification

coolant-fuel interactions
Use fuel-coolant interactions

COOLANT LOOPS
(For reactors use REACTOR COOLING SYSTEMS or IN PILE LOOPS.)
UF *loops (coolant)*
*BT1 cooling systems
RT auxiliary water systems
RT bypasses
RT circulating systems
RT closed-cycle cooling systems
RT cooling
RT heat transfer
RT open-cycle cooling systems

COOLANTS
(See also specific coolant materials.)
NT1 organic coolants
RT cooling
RT cutting fluids
RT fuel-coolant interactions
RT gases
RT heavy water
RT liquid metals
RT loss of coolant
RT molten salts
RT oils
RT reactor cooling systems
RT reactor materials
RT refrigerants
RT steam
RT water
RT water chemistry

coolers
Use heat exchangers

COOLING
SF *heat dissipation*
NT1 district cooling
NT1 evaporative cooling
NT1 film cooling
NT1 fog cooling
NT1 gas cooling
NT1 radiative cooling
NT1 refrigeration
NT2 geothermal refrigeration
NT2 helium dilution refrigeration
NT2 solar refrigeration
NT1 splat cooling
NT1 spray cooling

NT1 subcooling
NT1 sublimation cooling
RT air conditioning
RT coolant loops
RT coolants
RT cooling ponds
RT cooling systems
RT cooling time
RT cooling towers
RT fuel cooling time
RT heat exchangers
RT heat extraction
RT heat pumps
RT heat transfer
RT heating
RT ice condensers
RT once-through cooling systems
RT reactor cooling systems
RT temperature control
RT temperature noise
RT vapor condensation
RT water

COOLING LOAD

INIS: Apr 2000; ETDE: Oct 1975
RT air conditioning
RT heat gain
RT heating load
RT solar heating
RT sun shades

COOLING PONDS

INIS: Nov 1975; ETDE: Feb 1975
UF *ponds (cooling)*
UF+ *spray ponds*
*BT1 ponds
*BT1 water reservoirs
RT cooling
RT cooling systems
RT lakes

COOLING SYSTEMS

INIS: Feb 1976; ETDE: Jun 1975
BT1 energy systems
NT1 closed-cycle cooling systems
NT1 condenser cooling systems
NT1 coolant loops
NT1 once-through cooling systems
NT1 open-cycle cooling systems
NT1 reactor cooling systems
NT2 direct cycle cooling systems
NT2 dual cycle cooling systems
NT2 integrated cooling systems
NT2 primary coolant circuits
NT3 coolant cleanup systems
NT2 rcic systems
NT2 rhr systems
NT2 secondary coolant circuits
NT2 shrouds
NT1 thermonuclear reactor cooling systems
RT absorption refrigeration cycle
RT ceiling fans
RT chemical heat pumps
RT cooling
RT cooling ponds
RT cooling towers
RT discharge canals
RT evaporative cooling
RT intake structures
RT legionella pneumophila
RT refrigerating machinery
RT refrigerators
RT vapor compression refrigeration cycle

cooling systems (fission reactor)

Use reactor cooling systems

cooling systems (fusion reactor)

Use thermonuclear reactor cooling systems

COOLING TIME

INIS: Apr 1984; ETDE: Sep 1979
NT1 fuel cooling time
RT cooling
RT heat extraction

cooling tower packing grids

Use packings

COOLING TOWERS

UF+ *counterflow cooling towers*
UF+ *crossflow cooling towers*
UF+ *dry-type cooling towers*
UF+ *forced draft cooling towers*
UF+ *mechanical draft cooling towers*
UF+ *natural draft cooling towers*
UF+ *wet-type cooling towers*
SF *towers*
RT closed-cycle cooling systems
RT cooling
RT cooling systems
RT counterflow systems
RT crossflow systems
RT evaporative cooling
RT heat exchangers
RT open-cycle cooling systems
RT packings
RT reactor components
RT vapor condensers

cooling water chemical treatment

Use water chemistry

COOPER PAIRS

RT bose-einstein statistics
RT coherence length
RT electrons
RT fermi level
RT superconductivity

COOPER REACTOR

(Brownsville, Nebraska, USA)
*BT1 bwr type reactors

COOPERATION

INIS: Jul 1986; ETDE: Dec 1979
NT1 interagency cooperation
NT1 intergovernmental cooperation
NT1 international cooperation
NT1 joint ventures
NT1 regional cooperation
RT agreements
RT cooperatives
RT coordinated research programs
RT interlaboratory comparisons

cooperative spontaneous emission

Use superradiance

COOPERATIVES

INIS: Dec 1984; ETDE: Jan 1980
(To be used in coordination with the descriptor for the pertinent industry or utility.)
UF+ *agricultural cooperatives*
UF+ *electric cooperatives*
UF+ *petroleum cooperatives*
RT cooperation
RT electric utilities
RT farms
RT market
RT monopolies
RT small businesses
RT socio-economic factors

COORDINATED RESEARCH PROGRAMS

(Research based on a common plan but carried out in various locations. This descriptor to be used in coordination with descriptors for the institutions or countries involved.)
UF+ *large coil program*
BT1 research programs
NT1 consolidated fuel reprocessing program
NT1 ifip
RT cooperation
RT dumand project
RT interlaboratory comparisons
RT international agreements
RT international cooperation
RT international organizations
RT planning

COORDINATES

(From December 1975 till February 1997 AZIMUTH was a valid ETDE descriptor.)
UF *grids (coordinates)*
UF *position (optical)*
UF *position (radio)*
SF *azimuth*
NT1 cartesian coordinates
NT1 curvilinear coordinates
NT2 magnetic flux coordinates
NT1 geomagnetic coordinates
NT1 hylleraas coordinates
RT center-of-mass system
RT laboratory system
RT mathematics
RT mesh generation
RT position operators
RT space dependence
RT sun charts

COORDINATION NUMBER

RT complexes
RT coordination valences
RT ligands

COORDINATION VALENCES

BT1 valence
RT complexes
RT coordination number
RT crystal lattices
RT structural chemical analysis

copaiba

Use trees

copaifera

Use trees

COPEPODS

INIS: Jul 1992; ETDE: May 1976
(Until July 1992, this concept was indexed to CRUSTACEANS.)
*BT1 crustaceans
RT zooplankton

COPOLYMERIZATION

(Polymerization of molecules of different types.)
*BT1 polymerization

COPOLYMERS

INIS: Nov 1975; ETDE: Dec 1975
*BT1 organic polymers

COPPER

*BT1 transition elements

COPPER 56

INIS: Sep 2001; ETDE: Nov 1999
*BT1 beta-plus decay radioisotopes
*BT1 copper isotopes

*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

COPPER 57
INIS: May 1980; ETDE: Nov 1977
*BT1 beta-plus decay radioisotopes
*BT1 copper isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

COPPER 58
*BT1 beta-plus decay radioisotopes
*BT1 copper isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

COPPER 59
*BT1 beta-plus decay radioisotopes
*BT1 copper isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

COPPER 60
*BT1 beta-plus decay radioisotopes
*BT1 copper isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

COPPER 61
*BT1 beta-plus decay radioisotopes
*BT1 copper isotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

COPPER 61 TARGET
BT1 targets

COPPER 62
*BT1 beta-plus decay radioisotopes
*BT1 copper isotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

COPPER 63
*BT1 copper isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes
RT copper 63 reactions

COPPER 63 BEAMS
INIS: Nov 1978; ETDE: May 1979
*BT1 ion beams

COPPER 63 REACTIONS
*BT1 heavy ion reactions
RT copper 63

COPPER 63 TARGET
BT1 targets

COPPER 64
*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 copper isotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

COPPER 64 TARGET
INIS: Apr 1978; ETDE: Jul 1978
BT1 targets

COPPER 65
*BT1 copper isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes

COPPER 65 REACTIONS
*BT1 heavy ion reactions

COPPER 65 TARGET
BT1 targets

COPPER 66
*BT1 beta-minus decay radioisotopes
*BT1 copper isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

COPPER 67
*BT1 beta-minus decay radioisotopes
*BT1 copper isotopes
*BT1 days living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

COPPER 68
*BT1 beta-minus decay radioisotopes
*BT1 copper isotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

COPPER 69
*BT1 beta-minus decay radioisotopes
*BT1 copper isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

COPPER 70
*BT1 beta-minus decay radioisotopes
*BT1 copper isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

COPPER 71
INIS: Jul 1982; ETDE: Jul 1982
*BT1 beta-minus decay radioisotopes
*BT1 copper isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

COPPER 72
INIS: Jul 1982; ETDE: Jul 1982
*BT1 beta-minus decay radioisotopes
*BT1 copper isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

COPPER 73
INIS: Jul 1982; ETDE: Jul 1982
*BT1 beta-minus decay radioisotopes
*BT1 copper isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

COPPER 74
INIS: Jul 1989; ETDE: Jul 1989
*BT1 beta-minus decay radioisotopes
*BT1 copper isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

COPPER 75
INIS: May 1990; ETDE: Jun 1990
*BT1 beta-minus decay radioisotopes
*BT1 copper isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

COPPER 76
INIS: Mar 1992; ETDE: Mar 1992
*BT1 beta-minus decay radioisotopes
*BT1 copper isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

COPPER 77
INIS: Mar 1992; ETDE: Mar 1992
*BT1 beta-minus decay radioisotopes
*BT1 copper isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

COPPER 78
INIS: Mar 1992; ETDE: Mar 1992
*BT1 beta-minus decay radioisotopes
*BT1 copper isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

COPPER 79
INIS: Mar 1992; ETDE: Mar 1992
*BT1 beta-minus decay radioisotopes
*BT1 copper isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

COPPER ADDITIONS
(Alloys containing not more than 1% Cu are listed here.)
*BT1 copper alloys
NT1 alloy-ni43fe33cr16mo3
NT2 nimonic pe16
NT1 alloy-ni60co15cr10al6ti5mo3
NT2 alloy-in-100
NT1 duranickel
NT1 steel-cr2mov
NT1 steel-cr2nimov
NT1 steel-crmov
NT1 steel-crni
NT1 steel-mncumo
NT2 steel-astm-a537
NT1 steel-ni3cr
NT1 steel-ni4crw
NT1 steel-nicr
NT1 steel-nicrmo

COPPER ALLOYS
(Alloys containing more than 1% Cu.)
UF+ *alloy-ge*
*BT1 transition element alloys
NT1 alloy-al95cu4
NT2 duralumin
NT1 alloy-ni43fe30cr22mo3
NT2 incoloy 825
NT1 alloy-ni66cu32
NT2 monel 400
NT1 alloy-yundk 25ba
NT1 bondur
NT1 copper additions
NT2 alloy-ni43fe33cr16mo3
NT3 nimonic pe16
NT2 alloy-ni60co15cr10al6ti5mo3

NT3 alloy-in-100
NT2 duranickel
NT2 steel-cr2mov
NT2 steel-cr2nimov
NT2 steel-crmov
NT2 steel-crni
NT2 steel-mncumo
NT3 steel-astm-a537
NT2 steel-ni3cr
NT2 steel-ni4crw
NT2 steel-nicr
NT2 steel-nicrmo
NT1 copper base alloys
NT2 alloy-cu52ni47
NT3 constantan
NT2 alloy-cu70ni30
NT2 alloy-cu90ni10
NT2 brass
NT3 brass-alpha
NT3 brass-beta
NT2 bronze
NT2 heusler alloys
NT2 manganin
NT2 muntz metal
NT2 nickeline alloy
NT2 ounce metal
NT2 tungsten bronze
NT1 cunico
NT1 heddur
NT1 illium
NT1 lynite
NT1 magnalium
NT1 ni-o-nel
NT1 steel-cd-4mcu
NT1 steel-cr17cu4ni4nb-l
NT2 stainless steel-17-4ph
NT1 steel-in-787
NT1 zamak

COPPER ARSENIDES

INIS: Sep 1991; ETDE: Sep 1985
*BT1 arsenides
*BT1 copper compounds

COPPER BASE ALLOYS

UF *resistal*
UF+ *german silver*
UF+ *nickel silver*
UF+ *white copper*
*BT1 copper alloys
NT1 alloy-cu52ni47
NT2 constantan
NT1 alloy-cu70ni30
NT1 alloy-cu90ni10
NT1 brass
NT2 brass-alpha
NT2 brass-beta
NT1 bronze
NT1 heusler alloys
NT1 manganin
NT1 muntz metal
NT1 nickeline alloy
NT1 ounce metal
NT1 tungsten bronze

COPPER BORIDES

*BT1 borides
*BT1 copper compounds

COPPER BROMIDES

*BT1 bromides
*BT1 copper halides

COPPER CARBIDES

*BT1 carbides
*BT1 copper compounds

COPPER CARBONATES

*BT1 carbonates
*BT1 copper compounds

COPPER CHLORIDES

*BT1 chlorides
*BT1 copper halides

COPPER COMPLEXES

*BT1 transition element complexes
NT1 ceruloplasmin
RT phthalocyanines

COPPER COMPOUNDS

BT1 transition element compounds
NT1 copper arsenides
NT1 copper borides
NT1 copper carbides
NT1 copper carbonates
NT1 copper halides
NT2 copper bromides
NT2 copper chlorides
NT2 copper fluorides
NT2 copper iodides
NT1 copper hydrides
NT1 copper hydroxides
NT1 copper nitrates
NT1 copper nitrides
NT1 copper oxides
NT1 copper perchlorates
NT1 copper phosphates
NT1 copper phosphides
NT1 copper selenides
NT1 copper silicates
NT1 copper silicides
NT1 copper sulfates
NT1 copper sulfides
NT1 copper tellurides
NT1 copper tungstates
NT1 cuprates

COPPER FLUORIDES

*BT1 copper halides
*BT1 fluorides

COPPER HALIDES

INIS: Apr 1986; ETDE: Feb 1975
*BT1 copper compounds
*BT1 halides
NT1 copper bromides
NT1 copper chlorides
NT1 copper fluorides
NT1 copper iodides

COPPER HYDRIDES

*BT1 copper compounds
*BT1 hydrides

COPPER HYDROXIDES

*BT1 copper compounds
*BT1 hydroxides

COPPER IODIDES

*BT1 copper halides
*BT1 iodides

COPPER IONS

*BT1 ions

COPPER ISOTOPES

BT1 isotopes
NT1 copper 56
NT1 copper 57
NT1 copper 58
NT1 copper 59
NT1 copper 60
NT1 copper 61
NT1 copper 62
NT1 copper 63
NT1 copper 64
NT1 copper 65
NT1 copper 66
NT1 copper 67
NT1 copper 68
NT1 copper 69
NT1 copper 70
NT1 copper 71
NT1 copper 72
NT1 copper 73
NT1 copper 74
NT1 copper 75
NT1 copper 76
NT1 copper 77
NT1 copper 78
NT1 copper 79

COPPER NITRATES

*BT1 copper compounds
*BT1 nitrates

COPPER NITRIDES

INIS: Dec 1989; ETDE: Jan 1975
*BT1 copper compounds
*BT1 nitrides

COPPER ORES

BT1 ores

COPPER OXIDE SOLAR CELLS

INIS: Apr 2000; ETDE: Aug 1981
*BT1 solar cells

COPPER OXIDES

*BT1 copper compounds
*BT1 oxides
RT cuprates
RT oxide minerals
RT sengierite

COPPER PERCHLORATES

*BT1 copper compounds
*BT1 perchlorates

COPPER PHOSPHATES

*BT1 copper compounds
*BT1 phosphates
RT phosphate minerals
RT torbernite

COPPER PHOSPHIDES

INIS: Sep 1991; ETDE: Jan 1975
*BT1 copper compounds
*BT1 phosphides

COPPER SELENIDE SOLAR CELLS

INIS: May 1992; ETDE: Jul 1981
*BT1 solar cells

COPPER SELENIDES

INIS: Jul 1976; ETDE: Oct 1975
*BT1 copper compounds
*BT1 selenides

COPPER SILICATES

*BT1 copper compounds
*BT1 silicates

COPPER SILICIDES

INIS: Jan 1977; ETDE: Feb 1975
*BT1 copper compounds
*BT1 silicides

COPPER SULFATES

*BT1 copper compounds
*BT1 sulfates
RT sulfate minerals

COPPER SULFIDE SOLAR CELLS

INIS: May 1992; ETDE: Jul 1981
*BT1 solar cells

COPPER SULFIDES

*BT1 copper compounds
*BT1 sulfides
RT chalcopyrite

RT sulfide minerals

COPPER TELLURIDES
INIS: Feb 1978; ETDE: Jan 1975
*BT1 copper compounds
*BT1 tellurides

COPPER TUNGSTATES
*BT1 copper compounds
*BT1 tungstates

copper vapor lasers
Use metal vapor lasers

COPPICES
INIS: Jul 1993; ETDE: Oct 1981
(Forests or thickets originating mainly from shoots or root suckers of stumps rather than from seed.)
BT1 forests
RT biomass plantations
RT forest litter

COPRECIPITATION
*BT1 precipitation
RT coalescence
RT flocculation

COPROCESSING
INIS: Oct 1979; ETDE: Feb 1988
(Processing coal and petroleum residues together.)
BT1 processing

CORAL-1 REACTOR
(Uncooled; Junta de Energia Nuclear, Madrid, Spain)
*BT1 enriched uranium reactors
*BT1 fast reactors
*BT1 research reactors
*BT1 zero power reactors

CORALS
*BT1 cnidaria

CORCHORUS
*BT1 magnoliopsida
NT1 jute

cordillera de los andes
Use andes

CORDOBA REACTOR
INIS: Feb 1978; ETDE: Apr 1978
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

cordova quad cities-1 reactor
Use quad cities-1 reactor

cordova quad cities-2 reactor
Use quad cities-2 reactor

cordylite
Use carbonate minerals
AND radioactive minerals

core (earth)
Use earth core

core barrel
Use drilling equipment

CORE CATCHERS
(Structures under core for retaining molten debris following meltdown accident.)
BT1 reactor components
RT corium
RT meltdown
RT reactor cores

CORE FLOODING SYSTEMS
*BT1 eccs
RT loss of coolant

core polarization (nuclei)
Use excitation
AND nuclear cores

CORE SPRAY SYSTEMS
*BT1 eccs
RT fog cooled reactors
RT fog cooling
RT loss of coolant

cores (drill)
Use drill cores

cores (magnet)
Use magnet cores

cores (magnetic)
Use magnetic cores

cores (nuclear)
Use nuclear cores

cores (reactor)
Use reactor cores

coring equipment
Use drilling equipment

CORING FLUIDS
INIS: Apr 2000; ETDE: Dec 1981
RT cuttings removal
RT drill cores
RT drilling fluids

CORIOLIS FORCE
RT backbending
RT rotation

CORIUM
INIS: Oct 1977; ETDE: Jun 1977
(Molten mixture of fuel, cladding and other core structural material resulting from a meltdown accident.)
RT core catchers
RT meltdown
RT reactor accidents
RT reactor cores

CORK
RT bark
RT wood

corn (maize)
Use maize

CORN OIL
UF *maize oil*
*BT1 triglycerides
*BT1 vegetable oils

corn stover
Use agricultural wastes
AND maize

CORNEA
*BT1 eyes

CORNELL 10-GEV SYNCHROTRON
*BT1 synchrotrons

cornell electron-positron storage ring
Use cesr storage ring

CORNELL TRIGA-MK-2 REACTOR
(Cornell, Univ., Ithaca, New York, USA)
UF *triga-2-cornell reactor*
*BT1 training reactors
*BT1 triga type reactors

cornell university zero power reactor
Use zpr reactor

corona (solar)
Use solar corona

CORONA COUNTERS
*BT1 radiation detectors
RT proportional counters
RT spark counters

CORONA DISCHARGES
BT1 electric discharges
RT lichtenberg figures

coronae (stellar)
Use stellar coronae

CORONARIES
*BT1 arteries
RT heart
RT heart failure
RT myocardial infarction
RT myocardium

corporation law
Use laws

corps of engineers
Use us corps of engineers

corral canyon nuclear power reactor-1
Use malibu-1 reactor

CORRECTIONS
(See also REMEDIAL ACTION.)
NT1 coulomb correction
NT1 radiative corrections
NT1 rydberg correction
RT errors
RT modifications

CORRELATED-PARTICLE MODELS
*BT1 particle models
RT correlation functions
RT multiple production

correlation energy
Use electron correlation

CORRELATION FUNCTIONS
BT1 functions
RT correlated-particle models
RT reactor noise

CORRELATIONS
NT1 angular correlation
NT2 perturbed angular correlation
NT3 differential pac
NT3 integral pac
NT1 electron correlation
NT1 kramers-kronig correlation
RT comparative evaluations
RT multivariate analysis
RT regression analysis

CORROSION
BT1 chemical reactions
NT1 crevice corrosion
NT1 electrochemical corrosion
NT1 fretting corrosion
NT1 intergranular corrosion
NT1 nodular corrosion
NT1 pitting corrosion
NT1 stress corrosion

RT antifoulants
RT corrosion denting
RT corrosion fatigue
RT corrosion pickling
RT corrosion products
RT corrosion protection
RT corrosion resistance
RT corrosive effects
RT erosion
RT failures
RT fouling
RT materials testing
RT oxidation
RT passivity
RT scaling
RT surface properties
RT thermochemical diagrams
RT weathering

CORROSION DENTING

INIS: May 1979; ETDE: Sep 1979
UF *denting (corrosion)*
BT1 deformation
RT corrosion
RT tubes
RT water chemistry

CORROSION FATIGUE

INIS: Jul 1981; ETDE: Dec 1975
*BT1 fatigue
RT corrosion

corrosion inhibition

Use corrosion protection

CORROSION INHIBITORS

UF *inhibitors (corrosion)*
RT corrosion protection

CORROSION PICKLING

*BT1 pickling
RT corrosion

CORROSION PRODUCTS

RT corrosion
RT electromagnetic filters
RT oxidation
RT oxides
RT scaling

CORROSION PROTECTION

UF *anticorrosion*
UF *corrosion inhibition*
UF *protection (corrosion)*
NT1 anodization
NT1 cathodic protection
RT coatings
RT corrosion
RT corrosion inhibitors
RT corrosion resistance
RT paints
RT passivation
RT scale control
RT surface coating

CORROSION RESISTANCE

RT corrosion
RT corrosion protection
RT passivity

CORROSION RESISTANT ALLOYS

BT1 alloys
NT1 alloy-co36cr22ni22w15fe3
NT2 haynes 188 alloy
NT1 alloy-co54cr20w15ni10
NT2 alloy-hs-25
NT2 haynes 25 alloy
NT1 alloy-co60cr30w4
NT2 stellite 6
NT1 alloy-fe44ni33cr21
NT2 incoloy 800h
NT1 alloy-fe46ni33cr21
NT2 incoloy 800
NT2 incoloy 802
NT1 alloy-mo99
NT2 alloy-tzm
NT2 alloy-zm-2a
NT1 alloy-ni41fe40cr16nb3
NT2 inconel 706
NT1 alloy-ni43fe30cr22mo3
NT2 incoloy 825
NT1 alloy-ni43fe33cr16mo3
NT2 nimonic pe16
NT1 alloy-ni45fe34cr20
NT1 alloy-ni46cr23co19ti5al4
NT2 alloy-in-939
NT1 alloy-ni49cr22fe18mo9
NT2 hastelloy x
NT1 alloy-ni50co20cr15al5mo5
NT2 nimonic 105
NT1 alloy-ni50cr22fe18mo9
NT2 hastelloy xr
NT1 alloy-ni50mo32cr15si3
NT1 alloy-ni51cr48
NT2 inconel 671
NT1 alloy-ni53co19cr15mo5al4ti3
NT2 udimet 700
NT1 alloy-ni53cr19fe19nb5mo3
NT2 inconel 718
NT1 alloy-ni54cr22co13mo9
NT2 inconel 617
NT1 alloy-ni54mo17cr16fe6w4
NT2 hastelloy c
NT1 alloy-ni55cr19co11mo10ti3
NT2 rene 41
NT1 alloy-ni58cr20co14mo4ti3
NT2 waspaloy
NT1 alloy-ni59cr20co17ti2
NT1 alloy-ni59cr30fe9
NT2 inconel 690
NT1 alloy-ni60co15cr10al6ti5mo3
NT2 alloy-in-100
NT1 alloy-ni60fe24cr16
NT2 nichrome
NT1 alloy-ni61cr16co9al3ti3w3
NT2 alloy-in-738
NT1 alloy-ni61cr22mo9nb4fe3
NT2 inconel 625
NT1 alloy-ni62cr16mo15fe3
NT2 hastelloy s
NT1 alloy-ni65cr25mo10
NT2 nimonic 86
NT1 alloy-ni65mo28fe5
NT2 hastelloy b
NT1 alloy-ni70mo17cr7fe5
NT2 hastelloy n
NT2 inor-8
NT1 alloy-ni73cr15fe7ti3
NT2 inconel x750
NT1 alloy-ni73cr20mn3nb3
NT2 inconel 82
NT1 alloy-ni74cr13al6mo4
NT2 inconel 713c
NT1 alloy-ni75cr12al6mo5
NT2 inconel 713lc
NT1 alloy-ni76cr15fe8
NT2 inconel 600
NT1 alloy-ni76cr20ti2
NT2 nimonic 80a
NT1 alloy-ni77cr20ti2
NT1 alloy-ra-333
NT1 alloy-zr98sn-2
NT2 zircaloy 2
NT1 alloy-zr98sn-4
NT2 zircaloy 4
NT1 colmonoy
NT1 heusler alloys
NT1 incoloy 901
NT1 rene 80
NT1 rene 95
NT1 steel-cd-4mcu
NT1 steel-cr11ni10mo2ti-l
NT1 steel-cr12
NT2 stainless steel-403
NT1 steel-cr12moniv
NT1 steel-cr12mov
NT2 alloy-ht-9
NT1 steel-cr13
NT2 stainless steel-410
NT1 steel-cr13al
NT2 stainless steel-405
NT1 steel-cr15ni15motib
NT1 steel-cr16
NT2 stainless steel-430
NT1 steel-cr16ni
NT1 steel-cr16ni13monbv
NT1 steel-cr16ni15mo3nb
NT1 steel-cr16ni16monb
NT1 steel-cr16ni8mo2
NT2 stainless steel-16-8-2
NT1 steel-cr17cu4ni4nb-l
NT2 stainless steel-17-4ph
NT1 steel-cr17mo
NT2 stainless steel-440
NT1 steel-cr17ni12mo3
NT2 stainless steel-316
NT1 steel-cr17ni12mo3-l
NT2 stainless steel-316l
NT2 stainless steel-zcnd17-13
NT1 steel-cr17ni12monb
NT1 steel-cr17ni13
NT1 steel-cr17ni13mo2ti
NT1 steel-cr17ni13mo3ti
NT1 steel-cr17ni4mo3
NT1 steel-cr17ni7
NT2 stainless steel-301
NT1 steel-cr18
NT1 steel-cr18ni10
NT2 stainless steel-18-10
NT1 steel-cr18ni10-l
NT1 steel-cr18ni10ti
NT2 stainless steel-321
NT1 steel-cr18ni11
NT2 steel-x6crni1811
NT1 steel-cr18ni11nb
NT2 stainless steel-347
NT1 steel-cr18ni11nbco
NT2 stainless steel-348
NT1 steel-cr18ni12
NT2 stainless steel-305
NT1 steel-cr18ni12ti
NT1 steel-cr18ni8
NT2 stainless steel-18-8
NT1 steel-cr18ni9
NT2 stainless steel-302
NT1 steel-cr18ni9ti
NT1 steel-cr19ni10
NT2 stainless steel-304
NT1 steel-cr19ni10-l
NT2 stainless steel-304l
NT1 steel-cr20ni11
NT2 stainless steel-308
NT1 steel-cr20ni11-l
NT2 stainless steel-308l
NT1 steel-cr21mn9ni6
NT2 stainless steel-21-6-9
NT1 steel-cr23ni14
NT2 stainless steel-309
NT2 stainless steel-309s
NT1 steel-cr23ni18
NT1 steel-cr25
NT2 stainless steel-446
NT1 steel-cr25ni20
NT2 alloy-hk-40
NT2 stainless steel-310
NT1 steel-ni25cr20
NT2 stainless steel-20-25
NT1 steel-ni26cr15ti2movalb
NT2 alloy-a-286

NT1 steel-ni36cr12ti3al-l
NT1 tribaloy 800
RT austenitic steels
RT ferritic steels
RT hastelloys
RT stainless steels

CORROSIVE EFFECTS
INIS: Mar 1992; ETDE: Feb 1975
RT corrosion

cortex (adrenal)
Use adrenal glands

cortex (cerebral)
Use cerebral cortex

corticoids
Use corticosteroids

CORTICOSTEROIDS
UF *corticoids*
*BT1 adrenal hormones
*BT1 hydroxy compounds
*BT1 ketones
*BT1 pregnanes
*BT1 steroid hormones
NT1 glucocorticoids
NT2 corticosterone
NT2 cortisone
NT2 dexamethasone
NT2 hydrocortisone
NT2 prednisolone
NT2 prednisone
NT1 mineralocorticoids
NT2 aldosterone
RT acth
RT androgens
RT cushing syndrome

CORTICOSTERONE
*BT1 glucocorticoids

cortisol
Use hydrocortisone

CORTISONE
*BT1 glucocorticoids

CORUNDUM
*BT1 oxide minerals
NT1 ruby
NT1 sapphire
RT aluminium oxides

CORVUSITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 radioactive minerals
RT vanadium oxides

CORYNEBACTERIUM FASCIANS
INIS: Jul 1993; ETDE: May 1983
*BT1 bacteria
RT microbial eor

CORYNEBACTERIUM PARVUM
INIS: Sep 1978; ETDE: Jun 1978
*BT1 bacteria
RT immunotherapy

cosmetics
Use consumer products

COSMIC ALPHA PARTICLES
INIS: Nov 1975; ETDE: Mar 1983
(Prior to March 1983 this concept was indexed by coordination of COSMIC RADIATION and ALPHA PARTICLES.)
*BT1 alpha particles
*BT1 primary cosmic radiation

COSMIC DUST
BT1 dusts
RT interstellar grains
RT interstellar space
RT nebulae
RT star accretion

COSMIC ELECTRONS
INIS: Nov 1975; ETDE: Jul 1975
(Prior to March 1983 this concept was indexed by coordination of COSMIC RADIATION and ELECTRONS.)
*BT1 electrons
*BT1 secondary cosmic radiation

COSMIC GAMMA BURSTS
*BT1 primary cosmic radiation
RT cosmic gamma sources
RT cosmic x-ray bursts

cosmic gamma rays
Use cosmic photons

COSMIC GAMMA SOURCES
BT1 cosmic ray sources
RT cosmic gamma bursts
RT cosmic photons
RT gamma astronomy
RT gamma radiation
RT primary cosmic radiation

COSMIC GASES
*BT1 gases
RT interstellar grains
RT interstellar space
RT nebulae
RT optical depth curve
RT spectroscopic curve of growth

COSMIC KAONS
INIS: Dec 1985; ETDE: Jul 1975
(Prior to July 1975 KAONS was used for this concept in ETDE.)
*BT1 kaons
*BT1 secondary cosmic radiation

cosmic microwave background
Use relict radiation

COSMIC MUONS
INIS: Feb 1976; ETDE: Jul 1975
(Prior to March 1983 this concept was indexed by coordination of COSMIC RADIATION and MUONS.)
*BT1 muons
*BT1 secondary cosmic radiation

COSMIC NEUTRINOS
INIS: Nov 1975; ETDE: Jul 1975
(Prior to July 1975 NEUTRINOS was used for this concept inETDE.)
*BT1 cosmic radiation
*BT1 neutrinos

COSMIC NEUTRONS
INIS: Nov 1975; ETDE: Jul 1975
(Prior to March 1983 this concept was indexed by coordination of COSMIC RADIATION and NEUTRONS.)
*BT1 neutrons
*BT1 secondary cosmic radiation

cosmic noise
Use radio noise

COSMIC NUCLEI
INIS: Nov 1975; ETDE: Jul 1975
(Prior to March 1983 this concept was indexed by coordination of COSMIC RADIATION and NUCLEI.)
BT1 nuclei
*BT1 primary cosmic radiation

cosmic particles
Use cosmic radiation

COSMIC PHOTONS
INIS: Nov 1975; ETDE: Jul 1975
(Prior to July 1975 PHOTONS was used for this concept in ETDE.)
UF *cosmic gamma rays*
UF *cosmic x rays*
*BT1 cosmic radiation
*BT1 photons
RT cosmic gamma sources
RT cosmic x-ray sources
RT x-ray galaxies

COSMIC PIONS
INIS: Mar 1983; ETDE: Jul 1975
(Prior to July 1975 PIONS was used for this concept in ETDE.)
*BT1 pions
*BT1 secondary cosmic radiation

COSMIC POSITRONS
INIS: Feb 1976; ETDE: Jul 1975
(Prior to March 1983 this concept was indexed by coordination of COSMIC RADIATION and POSITRONS.)
*BT1 positrons
*BT1 secondary cosmic radiation

COSMIC PROTONS
INIS: Nov 1975; ETDE: Jul 1975
(Prior to July 1975 PROTONS was used for this concept in ETDE.)
*BT1 cosmic radiation
*BT1 protons

COSMIC RADIATION
(Not for radiation from the sun for which see SOLAR RADIATION.)
UF *cosmic particles*
SF *positive excess*
*BT1 ionizing radiations
NT1 cosmic neutrinos
NT1 cosmic photons
NT1 cosmic protons
NT1 hard component
NT1 primary cosmic radiation
NT2 cosmic alpha particles
NT2 cosmic gamma bursts
NT2 cosmic nuclei
NT2 cosmic x-ray bursts
NT1 secondary cosmic radiation
NT2 cosmic electrons
NT2 cosmic kaons
NT2 cosmic muons
NT2 cosmic neutrons
NT2 cosmic pions
NT2 cosmic positrons
NT2 cosmic showers
NT3 extensive air showers
NT1 soft component
RT background radiation
RT centauro-type events
RT cosmic radio sources
RT cosmic ray detection
RT cosmic ray flux
RT cosmic ray propagation
RT cosmic x-ray sources
RT east-west asymmetry
RT forbush decrease
RT gamma astronomy
RT north-south asymmetry
RT relict radiation
RT solar radiation
RT space flight
RT stellar activity
RT stellar radiation

RT supersonic transport
RT threshold rigidity
RT x-ray galaxies

COSMIC RADIO SOURCES
NT1 bl lacertae objects
NT1 h1 regions
NT1 h2 regions
NT1 pulsars
NT1 quasars
NT2 blue stellar objects
NT1 radio galaxies
NT1 supernova remnants
NT2 crab nebula
RT cosmic radiation
RT cosmic ray sources
RT markarian galaxies
RT radioastronomy
RT radiowave radiation

COSMIC RAY DETECTION
*BT1 radiation detection
RT charged particle detection
RT cosmic radiation
RT cosmic ray spectrometers
RT muon detection
RT radiation detectors
RT shower counters
RT telescope counters

COSMIC RAY FLUX
UF *flux (cosmic ray)*
BT1 radiation flux
RT cosmic radiation
RT cosmic ray propagation

COSMIC RAY PROPAGATION
RT cosmic radiation
RT cosmic ray flux

COSMIC RAY SOURCES
NT1 cosmic gamma sources
NT1 cosmic x-ray sources
NT2 cosmic x-ray bursts
NT2 x-ray galaxies
RT cosmic radio sources
RT primary cosmic radiation

COSMIC RAY SPECTROMETERS
*BT1 spectrometers
RT cosmic ray detection

COSMIC SHOWERS
*BT1 secondary cosmic radiation
BT1 showers
NT1 extensive air showers
RT cascade showers
RT centauro-type events

COSMIC X-RAY BURSTS
INIS: Feb 1983; ETDE: Mar 1981
*BT1 cosmic x-ray sources
*BT1 primary cosmic radiation
RT cosmic gamma bursts
RT x radiation

COSMIC X-RAY SOURCES
BT1 cosmic ray sources
NT1 cosmic x-ray bursts
NT1 x-ray galaxies
RT accretion disks
RT cosmic photons
RT cosmic radiation
RT gamma astronomy
RT x radiation

cosmic x rays
Use cosmic photons

COSMIDS
INIS: Apr 2000; ETDE: Apr 1988
(DNA-cloning vectors constructed of both plasmid sequences and phage factors.)
RT bacteriophages
RT dna-cloning

COSMOCHEMISTRY
BT1 chemistry
RT chemical composition
RT element abundance
RT nucleosynthesis

cosmogony
Use cosmology

COSMOLOGICAL CONSTANT
INIS: Apr 1984; ETDE: May 1984
(Multiplicative constant for a term proportional to the metric in Einstein's equation relating the curvature of space to the energy-momentum tensor.)
RT einstein field equations
RT general relativity theory
RT space-time

COSMOLOGICAL MODELS
UF *einstein-de sitter model*
UF *models (cosmological)*
BT1 mathematical models
NT1 inflationary universe
RT expansion
RT galactic evolution
RT general relativity theory
RT planet-system accretion
RT protoplanets
RT protostars
RT solar nebula
RT star accretion
RT universe

COSMOLOGY
UF *cosmogony*
NT1 dirac cosmology
RT astrophysics
RT fundamental constants
RT galactic evolution
RT hubble effect
RT mach principle
RT matter
RT origin
RT red shift
RT relativity theory
RT schwarzschild metric
RT space-time
RT star evolution
RT universe
RT white holes

cosmos
Use universe

COSMOTRON
*BT1 synchrotrons

COSO HOT SPRINGS
INIS: Jun 1992; ETDE: Jul 1979
*BT1 california

cosorb process
Use carbon monoxide
AND solvent extraction

COST
UF *excess costs*
SF *values*
NT1 capitalized cost
NT1 cost overruns
NT1 life-cycle cost
NT1 operating cost
RT budgets
RT capital
RT charges
RT cost benefit analysis
RT cost estimation
RT cost recovery
RT economics
RT energy expenses
RT expenditures
RT financing
RT fuel cycle
RT inflation
RT investment
RT nuclear materials management
RT payback period
RT present worth method
RT prices
RT procurement

COST BENEFIT ANALYSIS
*BT1 economic analysis
RT comparative evaluations
RT cost
RT cost estimation
RT cost overruns
RT life-cycle cost
RT technology impacts

COST ESTIMATION
INIS: Dec 1985; ETDE: Aug 1982
UF *appraisal*
RT cost
RT cost benefit analysis
RT forecasting
RT life-cycle cost

COST OVERRUNS
INIS: Dec 1985; ETDE: Mar 1983
BT1 cost
RT charges
RT cost benefit analysis
RT procurement

COST RECOVERY
INIS: Apr 1992; ETDE: Mar 1983
UF *reimbursement*
RT charges
RT cost
RT financing

COSTA RICA
*BT1 central america
BT1 developing countries

COSTEAM PROCESS
INIS: Apr 2000; ETDE: Apr 1975
(A process involving the pumping of a slurry consisting of pulverized coal in lignite-derived oil and a stream of carbon monoxide and/or synthesis gas into a stirred reactor at 400 degrees-450 degrees C and 4,000 psig.)
*BT1 coal liquefaction

COSTER-KRONIG TRANSITIONS
BT1 auger effect
BT1 energy-level transitions

COSY STORAGE RING
INIS: Apr 1992; ETDE: Aug 1992
(Cooled synchrotron storage ring at KFZ Juelich, Federal Republic of Germany.)
UF *juelich storage ring*
BT1 storage rings
*BT1 synchrotrons

COTE D'IVOIRE
INIS: Jan 1997; ETDE: Dec 1996
(Until January 1997 this concept was indexed to IVORY COAST.)
UF *ivory coast*
BT1 africa
BT1 developing countries

COTTON
RT cotton plants
RT fibers
RT textiles

cotton-mouton effect
Use voigt effect

COTTON PLANTS
*BT1 magnoliopsida
RT boll weevil
RT bollworm
RT cotton
RT cottonseed oil

COTTONSEED OIL
INIS: Aug 1981; ETDE: Sep 1980
*BT1 vegetable oils
RT cotton plants

COTTONWOODS
INIS: Jan 1992; ETDE: Mar 1979
*BT1 poplars
RT aspens

COUETTE FLOW
*BT1 viscous flow

coulomb attraction
Use coulomb field

coulomb barrier
Use coulomb field

COULOMB CORRECTION
BT1 corrections
RT electromagnetic interactions

COULOMB ENERGY
BT1 energy
RT binding energy
RT nolen-schiffer anomaly

COULOMB EXCITATION
*BT1 excitation
RT coulomb scattering

COULOMB FIELD
UF *coulomb attraction*
UF *coulomb barrier*
UF *coulomb potential*
UF *coulomb repulsion*
BT1 electric fields
RT central potential
RT coulomb ionization
RT nuclear screening
RT ponderomotive force

COULOMB IONIZATION
INIS: Sep 1977; ETDE: Nov 1977
(Ionization produced by Coulomb forces between a projectile and the target.)
BT1 ionization
RT coulomb field
RT inner-shell ionization

coulomb potential
Use coulomb field

coulomb repulsion
Use coulomb field

COULOMB SCATTERING
*BT1 elastic scattering
*BT1 electromagnetic interactions
RT coulomb excitation
RT electron cooling
RT potential scattering

coulometry
Use voltametry

COUMARIN
SF *coumarins*
*BT1 anticoagulants
*BT1 lactones
*BT1 pyrans
RT psoralen

coumarins
See anticoagulants
OR coumarin

council for mutual economic assistance
Use comecon

council on environmental quality
Use us ceq

COUNTER CURRENT
RT chromatography
RT counterflow systems
RT solvent extraction

counterflow cooling towers
Use cooling towers
AND counterflow systems

COUNTERFLOW SYSTEMS
INIS: Apr 1984; ETDE: Feb 1975
UF+ *counterflow cooling towers*
RT cooling towers
RT counter current
RT evaporators
RT hydrodynamics
RT vapor condensers

counters (radiation)
Use radiation detectors

COUNTING CIRCUITS
BT1 electronic circuits
RT counting ratemeters
RT counting tubes
RT pulse circuits
RT pulse techniques
RT radiation detection
RT radiation detectors
RT scalers
RT switching circuits

COUNTING RATEMETERS
UF *ratemeters (counting)*
*BT1 electronic equipment
NT1 linear ratemeters
NT1 logarithmic ratemeters
RT counting circuits
RT counting rates
RT exposure ratemeters
RT pulse integrators
RT pulse techniques

COUNTING RATES
RT counting ratemeters

COUNTING TECHNIQUES
NT1 absolute counting
NT1 charge plunger method
NT1 cherenkov counting
NT1 coincidence methods
NT2 coincidence spectrometry
NT2 tagged photon method
NT1 dsa method
NT1 four-pi counting
NT1 low level counting
NT1 photoelectron counting
NT1 radioisotope scanning
NT2 scintiscanning
NT3 radioimmunoscintigraphy
NT1 scintillation counting
NT1 sequential scanning
NT1 whole-body counting
RT activity meters
RT anticoincidence
RT electronic circuits
RT electronic equipment
RT hodoscopes
RT position sensitive detectors
RT pulse techniques
RT radiation detectors
RT radioassay
RT recording systems
RT telescope counters

COUNTING TUBES
UF *dekatrons*
UF *trochotrons*
BT1 electron tubes
RT counting circuits
RT pulse techniques
RT scalers

county buildings
Use public buildings

couple corrosion
Use electrochemical corrosion

COUPLED CHANNEL BORN APPROXIMATION
UF *approximation (coupled-channel)*
UF *ccba*
BT1 born approximation
RT coupled channel theory
RT nuclear reaction kinetics
RT nuclear reactions
RT scattering

COUPLED CHANNEL THEORY
RT collisions
RT coupled channel born approximation
RT nuclear reactions

coupled fast reactor measurement facility
Use cfrmf reactor

COUPLED REACTOR CORES
*BT1 reactor cores

COUPLING
(Not for the concept covered by JOINING.)
NT1 electron-electron coupling
NT1 electron-hole coupling
NT1 electron-ion coupling
NT1 electron-phonon coupling
NT1 intermediate coupling
NT2 j-j coupling
NT2 l-s coupling
NT1 pseudovector coupling
NT1 ruderman-kittel coupling
RT aligned coupling scheme
RT bootstrap model
RT bound state
RT coupling constants
RT decoupling
RT goldberger-treiman relation
RT impulse approximation
RT interactions
RT particle-core coupling model
RT quasibound state
RT strong-coupling model
RT weak-coupling model

COUPLING CONSTANTS
RT coupling

COUPLINGS
INIS: Jan 1977; ETDE: Sep 1976
(Until April 1996 this concept was indexed to MACHINE PARTS.)
RT fasteners

RT joining

couplings (machine parts)
Use machine parts

court buildings
Use public buildings

COURTS
INIS: Dec 1976; ETDE: Jun 1977
RT dispute settlements
RT hearings
RT lawsuits

COVALENCE
UF *covalency*
RT binding energy

covalency
Use covalence

COVER GAS
(The inert gas blanket over the liquid metal in a liquid metal cooled reactor.)
*BT1 gases
*BT1 inert atmosphere

COVERINGS
INIS: Jan 1993; ETDE: Apr 1975
UF *casings*
RT coatings
RT containers
RT double glazing
RT glazing materials
RT masking
RT shells
RT shutters
RT tubes

cow-milkers
Use radioisotope generators

cowboy event
Use chemical explosions
AND vela project

cowpea plants
Use vigna

COWS
*BT1 cattle
RT milk

COYOTES
INIS: Feb 1993; ETDE: Apr 1981
UF *canis latrans*
*BT1 mammals
RT foxes
RT wild animals
RT wolves

cp-11 reactor
Use argonaut reactor

CP-2 REACTOR
(ANL, Argonne, Illinois, USA)
UF *chicago pile-2 reactor*
*BT1 graphite moderated reactors
*BT1 materials testing reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 thermal reactors

CP-3 REACTOR
(ANL, Argonne, Illinois, USA)
UF *argonne heavy water reactor*
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors

cp-3' reactor
Use cp-3m reactor

CP-3M REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *argonne heavy water modified reactor*
UF *cp-3' reactor*
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors

CP-5 REACTOR
(ANL, Argonne, Illinois, USA)
UF *argonne research reactor*
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors

CP-6 REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *ahfr reactor*
UF *argonne advanced research reactor*
UF *argonne high flux reactor*
*BT1 pool type reactors
*BT1 research reactors

CP INVARIANCE
BT1 invariance principles
RT kobayashi-maskawa matrix

CPB
UF *competitive protein binding*
*BT1 biochemical reaction kinetics
RT antigen-antibody reactions
RT enzyme immunoassay
RT pbi
RT proteins
RT radioimmunoassay
RT radiopharmaceuticals

cpdta
Use amino acids
AND chelating agents

cpm
Use pert method

CPPNM
INIS: Jun 1985; ETDE: Nov 1990
(Convention on the Physical Protection of Nuclear Materials)
UF *convention on physical protection of nuclear material*
UF *convention on the physical protection of nuclear materials*
UF *nuclear materials, convention on physical protection*
UF *physical protection of nuclear material, convention*
*BT1 international agreements
RT nuclear materials diversion
RT nuclear materials management
RT physical protection

cpr
Use first aid

CPT THEOREM
BT1 invariance principles

cpu-400 combustion plant
Use waste processing plants

CRAB NEBULA
BT1 nebulae
*BT1 supernova remnants
RT pulsars

CRABS
*BT1 decapods
RT seafood

crack growth
Use crack propagation

CRACK PROPAGATION
INIS: Sep 1980; ETDE: Oct 1980
UF *crack growth*
SF *failure propagation*
RT brittleness
RT cracks
RT fatigue
RT fracture mechanics
RT fractures
RT stress intensity factors

CRACKING
*BT1 pyrolysis
NT1 catalytic cracking
NT1 hydrocracking
NT1 thermal cracking
RT petrochemistry

CRACKS
RT ceramography
RT crack propagation
RT defects
RT fracture mechanics
RT fracture properties
RT fractures
RT geologic fissures
RT geologic fractures
RT hydraulic fractures
RT notches
RT stress intensity factors
RT thermal fractures

CRACOW AIC-144 CYCLOTRON
INIS: Jul 1982; ETDE: Aug 1982
UF *aic-144 cyclotron*
*BT1 isochronous cyclotrons

cracow c-48 cyclotron
Use isochronous cyclotrons

CRACOW U-120 CYCLOTRON
INIS: Apr 1979; ETDE: May 1979
*BT1 cyclotrons
*BT1 heavy ion accelerators

CRAFTSMEN
INIS: Apr 1993; ETDE: Aug 1978
UF *artisans*
BT1 personnel
RT builders
RT occupations

CRANES
*BT1 remote handling equipment
RT hoists
RT materials handling

CRANKING MODEL
*BT1 nuclear models
RT deformed nuclei
RT governor model

CRATERING EXPLOSIONS
UF+ *cabriolet event*
UF+ *danny boy event*
UF+ *palanquin event*
UF+ *schooner event*
BT1 explosions
NT1 sedan event

RT chemical explosions
RT craters
RT mining
RT nuclear excavation
RT nuclear explosions
RT plowshare project
RT surface explosions
RT surface mining
RT underground explosions
RT underground mining

CRATERS
BT1 cavities
RT cratering explosions
RT excavation
RT openings
RT surface explosions
RT underground explosions

CRAY COMPUTERS
INIS: Apr 1980; ETDE: Jul 1977
BT1 computers
RT supercomputers

crbr reactor
Use clinch river breeder reactor

cre
Use cumulative radiation effects

CREATINE
*BT1 amino acids
RT creatinine
RT guanidines
RT phosphocreatine

CREATININE
*BT1 imidazoles
*BT1 imines
RT creatine

CREATION OPERATORS
*BT1 quantum operators
RT second quantization
RT vacuum states

credit accounts
See financing

credit cards
See financing

credits
See financial data

creeks
Use streams

CREEP
BT1 mechanical properties
RT plasticity
RT ratcheting
RT stress relaxation

CREOSOTE
INIS: Oct 1991; ETDE: Jan 1980
(A yellowish oily liquid containing a mixture of phenolic compounds obtained by distillation of coal or wood tars.)
RT coal tar
RT cresols
RT preservatives
RT wood

CREPIS
*BT1 magnoliopsida

cresap process
See coal liquefaction

CRESOLS
UF *cresylic acid*
UF *hydroxytoluenes*
UF *methyl phenols*
*BT1 phenols
RT creosote

cresylic acid
Use cresols

CRETACEOUS PERIOD
INIS: Apr 1992; ETDE: Oct 1977
*BT1 mesozoic era

CREVICE CORROSION
INIS: Nov 1980; ETDE: Nov 1980
*BT1 corrosion

creys-malville reactor
Use super phenix reactor

CRG PROCESSES
INIS: Apr 2000; ETDE: Mar 1976
UF *british gas corporation process*
UF *catalytic rich gas process*
RT high btu gas
RT synthetic fuels

cricetulus
Use hamsters

CRIME
INIS: Feb 1993; ETDE: May 1983
NT1 fraud
NT1 theft
RT crime detection
RT criminology

CRIME DETECTION
UF *forensic science*
BT1 detection
RT activation analysis
RT chemical analysis
RT crime
RT criminology
RT tracer techniques

CRIMEA
INIS: Apr 2000; ETDE: Jul 1978
*BT1 ukraine

CRIMINOLOGY
INIS: Apr 2000; ETDE: Nov 1976
RT crime
RT crime detection

CRISTOBALITE
(A mineral like quartz present in many siliceous volcanic rocks.)
*BT1 oxide minerals
*BT1 silicate minerals
RT quartz
RT silicon oxides

critical assemblies
Use zero power reactors

CRITICAL CURRENT
*BT1 electric currents
RT superconductivity

critical experiments facility oak ridge
Use or-cef reactor

CRITICAL FIELD
BT1 magnetic fields
RT superconductivity

CRITICAL FLOW
(Fluid flow at a critical velocity, e.g. flow at the point at which it changes from laminar to turbulent.)
BT1 fluid flow
RT critical velocity
RT laminar flow
RT turbulent flow

CRITICAL FREQUENCY
INIS: Oct 1982; ETDE: Apr 1975
(The frequency below which radiation emitted at any angle from an antenna on the earth is reflected back.)
RT ionosphere
RT radiowave radiation

critical group (icrp)
Use icrp critical group

critical heat flow
Use departure nucleate boiling

CRITICAL HEAT FLUX
BT1 heat flux
RT heat transfer

CRITICAL MASS
BT1 mass
RT criticality
RT reflector savings

critical mass laboratory pnl
Use cml reactor

CRITICAL ORGANS
*BT1 organs
RT annual limit of intake
RT internal irradiation
RT nonuniform irradiation
RT radiation doses
RT radionuclide kinetics
RT retention

critical path method
Use pert method

CRITICAL PRESSURE
UF *pressure (critical)*
*BT1 thermodynamic properties
RT supercritical state

CRITICAL SIZE
BT1 size
RT criticality
RT reflector savings

CRITICAL TEMPERATURE
(For superconducting transition use TRANSITION TEMPERATURE.)
*BT1 transition temperature
RT heat treatments
RT phase diagrams
RT phase transformations
RT supercritical state

CRITICAL VELOCITY
BT1 velocity
RT critical flow

CRITICALITY
UF *subcriticality*
UF+ *criticality accidents*
RT buckling
RT chain reactions
RT critical mass
RT critical size
RT fission
RT multiplication factors
RT natural nuclear reactors
RT oklo phenomenon
RT reactor kinetics
RT reactor safety
RT reactors
RT reflector savings
RT response matrix method

criticality accidents
Use criticality
AND radiation accidents

CRNL MP TANDEM ACCELERATOR
INIS: Jun 1976; ETDE: Aug 1976
UF *mp tandem accelerator*
*BT1 tandem electrostatic accelerators
*BT1 van de graaff accelerators

CRNL SUPERCONDUCTING CYCLOTRON
INIS: Sep 1982; ETDE: Oct 1982
UF *chalk river cyclotron*
UF *chalk river superconducting cyclotron*
*BT1 heavy ion accelerators
*BT1 isochronous cyclotrons

CROATIA
INIS: Jan 1993; ETDE: Jan 1993
*BT1 eastern europe
RT alps

crocar
Use chromium steels

CROCUS REACTOR
(Atomic Engineering Lab. of the Lausanne Federal Polytechnic School, Lausanne, Switzerland)
*BT1 pool type reactors
*BT1 research reactors
*BT1 zero power reactors

CROLOY
(For unspecified Croloy alloys.)
*BT1 steels
NT1 steel-cr13
NT2 stainless steel-410
NT1 steel-cr16
NT2 stainless steel-430
NT1 steel-cr18ni10
NT2 stainless steel-18-10
NT1 steel-cr2mo
NT2 steel-astm-a542
NT1 steel-cr5mo

croloy 12
Use steel-cr13

croloy 18
Use steel-cr16

croloy 2
Use steel-cr2mo

croloy 299
Use stainless steels

croloy 3035
Use steel-cr18ni10

croloy 5
Use steel-cr5mo

cropping systems
Use cultivation techniques

CROPS
RT agriculture
RT biomass plantations
RT cereals
RT cultivation
RT cultivation techniques
RT food
RT fruits
RT ground cover
RT harvesting
RT hydroponic culture
RT soil conservation
RT sugar cane
RT tobacco
RT vegetables
RT vernalization

CROSS-LINKING
*BT1 polymerization
RT radiation curing

cross-ridge mining
Use surface mining

CROSS SECTIONS
(Whenever appropriate see the more specific descriptors listed below.)
NT1 differential cross sections
NT2 excitation functions
NT1 group constants
NT1 integral cross sections
NT1 total cross sections
RT breit-wigner formula
RT cinda
RT detailed balance principle
RT four momentum transfer
RT giant resonance
RT giant resonance model
RT intermediate resonance
RT intermediate structure
RT mean free path
RT multilevel analysis
RT nuclear reactions
RT peierls method
RT reciprocal v law
RT rosenbluth formula
RT shadow effect
RT transfer matrix method

crossed beams
Use colliding beams

CROSSED FIELDS
UF *fields (crossed)*
RT electric fields
RT magnetic fields

crossflow cooling towers
Use cooling towers
AND crossflow systems

CROSSFLOW SYSTEMS
INIS: Dec 1985; ETDE: Feb 1975
UF+ *crossflow cooling towers*
RT cooling towers
RT evaporators
RT hydrodynamics
RT vapor condensers

CROSSING-OVER
RT chromosomes
RT gene recombination
RT gene recombination proteins
RT meiosis
RT mitosis
RT recombinant dna

CROSSING SYMMETRY
BT1 symmetry
RT scattering amplitudes

CROSSROADS PROJECT
UF *project crossroads*
*BT1 nuclear explosions
RT atmospheric explosions
RT underwater explosions

CROSSTIE OPERATION
INIS: Apr 2000; ETDE: Nov 1979
*BT1 nuclear explosions
*BT1 underground explosions
NT1 gasbuggy event
RT contained explosions

croton oil
Use triglycerides
AND vegetable oils

CROTONIC ACID
*BT1 monocarboxylic acids

CROWDIONS
*BT1 line defects
RT interstitials

crowfoot
Use ranunculaceae

CROWN ETHERS
INIS: Jan 1992; ETDE: Feb 1992
*BT1 ethers
RT chelating agents
RT complexes
RT ligands
RT solvent extraction

CRUAS-2 REACTOR
INIS: Nov 1989; ETDE: Dec 1989
(Cruas, France.)
*BT1 pwr type reactors

CRUAS-3 REACTOR
INIS: Nov 1989; ETDE: Dec 1989
(Cruas, France.)
*BT1 pwr type reactors

CRUAS-4 REACTOR
INIS: Sep 1992; ETDE: Sep 1992
(Cruas, France.)
*BT1 pwr type reactors

CRUCIBLES
RT casting
RT furnaces
RT melting

crude carriers
Use tanker ships

crude oil
Use petroleum

CRUISE MISSILES
INIS: Apr 2000; ETDE: May 1979
BT1 missiles

CRUSHING
(Prior to February 1992, this descriptor was used to index the concept of pulverizing, which is now indexed by COMMINUTION.)
BT1 comminution
RT coal preparation
RT fragmentation
RT ore processing
RT pulverizers

CRUSTACEANS
BT1 aquatic organisms
*BT1 arthropods
NT1 branchiopods
NT2 artemia
NT2 daphnia
NT1 copepods
NT1 decapods
NT2 crabs
NT2 lobsters
NT2 prawns
NT2 shrimp
RT zooplankton

CRYOBIOLOGY
INIS: Apr 2000; ETDE: Apr 1981
BT1 biology
RT cryogenics

RT freezing
RT thawing

cryocables
Use cryogenic cables

CRYOGENIC BUBBLE CHAMBERS
*BT1 bubble chambers

CRYOGENIC CABLES
INIS: Aug 1976; ETDE: Jan 1975
(Prior to 1986 SUPERCONDUCTING CABLES was used for this concept.)
UF *cryocables*
*BT1 electric cables
RT superconducting cables

CRYOGENIC FLUIDS
INIS: Mar 1976; ETDE: Oct 1975
UF *cryogens*
BT1 fluids
RT cryogenics
RT helium
RT hydrogen
RT liquefied gases
RT methane
RT nitrogen
RT oxygen
RT refrigerants

CRYOGENIC STORAGE DEVICES
BT1 memory devices

CRYOGENICS
RT adiabatic demagnetization
RT cryobiology
RT cryogenic fluids
RT cryopumps
RT cryostats
RT cryotrons
RT dewars
RT freons
RT helium dilution refrigeration
RT hydrogen storage
RT magnetic refrigerators
RT superconductivity
RT superfluidity
RT temperature range 0000-0013 k
RT temperature range 0013-0065 k
RT temperature range 0065-0273 k
RT temperature zero k

cryogens
Use cryogenic fluids

CRYOPUMPS
*BT1 vacuum pumps
RT cryogenics

CRYOSCOPY
(Measurement of freezing-point depression produced in a solvent by a solute to determine molecular weight of the solute or properties of solutions.)
UF *freezing point depression*
RT molecular weight

CRYOSPHERE
INIS: Apr 2000; ETDE: May 1993
(The portion of the climate system consisting of the world's ice masses and snow deposits, which include the continental ice sheets, mountain glaciers, sea ice, surface snow cover, and lake and river ice.)
NT1 polar regions
NT2 antarctic regions
NT3 antarctica
NT2 arctic regions
RT boreal regions
RT glaciers
RT hydrosphere
RT ice
RT ice caps
RT icebergs
RT snow

CRYOSTATS
*BT1 thermostats
RT cryogenics
RT equipment protection devices
RT helium dilution refrigerators
RT magnetic refrigerators
RT refrigerators

CRYOTRONS
(Switching devices based on the magnetic control of superconductivity.)
BT1 superconducting devices
*BT1 switches
RT cryogenics

CRYPT CELLS
*BT1 somatic cells
RT epithelium
RT intestines

cryptography
See communications
OR data transmission
OR information
OR secrecy protection
OR security

CRYSTAL COUNTERS
UF *diamond counters*
*BT1 radiation detectors
NT1 filament crystal counters
RT bulk semiconductor detectors

CRYSTAL DEFECTS
UF *lattice defects*
BT1 crystal structure
NT1 line defects
NT2 crowdions
NT2 dislocations
NT3 edge dislocations
NT3 screw dislocations
NT1 point defects
NT2 interstitials
NT3 i centers
NT2 vacancies
NT3 color centers
NT4 a centers
NT4 e centers
NT4 f centers
NT4 h centers
NT4 i centers
NT4 m centers
NT4 r centers
NT4 s centers
NT4 u centers
NT4 v centers
NT4 x centers
NT4 z centers
NT3 frenkel defects
NT3 schottky defects
NT1 stacking faults
RT cavities
RT crystal lattices
RT inclusions
RT internal friction
RT microstructure
RT radiation effects
RT thermal spikes

CRYSTAL DOPING
UF *doping (crystal)*
RT bromine additions
RT chlorine additions
RT doped materials
RT fluorine additions
RT ion implantation
RT trace amounts

crystal faces
Use crystals
AND surfaces

CRYSTAL FIELD
RT crystal structure
RT electronic structure

CRYSTAL GROWTH
UF *growth (crystal)*
RT bridgman method
RT cast method
RT cleavage
RT crystal growth methods
RT crystallization
RT crystals
RT czochralski method
RT dendritic web growth method
RT efg method
RT epitaxy
RT grain growth
RT heat exchanger method
RT inverted stepanov method
RT liquid phase epitaxy
RT molecular beam epitaxy
RT nucleation
RT ribbon-to-ribbon method
RT stockbarger method
RT vapor phase epitaxy
RT verneuil method
RT zone melting

CRYSTAL GROWTH METHODS
INIS: Mar 1992; ETDE: Feb 1980
UF *lass growth method*
UF *low-angle silicon-sheet growth method*
NT1 bridgman method
NT1 cast method
NT1 czochralski method
NT1 dendritic web growth method
NT1 efg method
NT1 epitaxy
NT2 liquid phase epitaxy
NT2 molecular beam epitaxy
NT2 vapor phase epitaxy
NT1 heat exchanger method
NT1 inverted stepanov method
NT1 ribbon-to-ribbon method
NT1 ribbon-to-sheet method
NT1 stockbarger method
NT1 verneuil method
NT1 zone melting
RT crystal growth

CRYSTAL LATTICES
UF *lattices (crystal)*
UF *space lattices*
BT1 crystal structure
NT1 beta-w lattices
NT1 cubic lattices
NT2 bcc lattices
NT2 fcc lattices
NT1 hexagonal lattices
NT2 hcp lattices
NT1 monoclinic lattices
NT1 orthorhombic lattices
NT1 pentagonal lattices
NT1 tetragonal lattices
NT1 triclinic lattices
NT1 trigonal lattices
RT coordination valences
RT crystal defects
RT crystallography
RT crystals
RT diffraction methods

RT electron channeling
RT electron-phonon coupling
RT habit planes
RT ion channeling
RT lattice parameters
RT laue method
RT laves phases
RT microstructure
RT miller indices
RT muon spin relaxation
RT space groups
RT trapping
RT vegard law

CRYSTAL MODELS
(For theories only.)
UF *models (crystal)*
BT1 mathematical models
NT1 heisenberg model
NT1 hubbard model
NT1 ising model
RT crystal structure
RT replicas

CRYSTAL-PHASE TRANSFORMATIONS
UF *crystal phase transitions*
BT1 phase transformations
RT crystal structure
RT graphitization
RT order-disorder transformations

crystal phase transitions
Use crystal-phase transformations

crystal river
Use colorado
AND rivers

CRYSTAL RIVER-3 REACTOR
(Citrus, Florida, USA)
UF *red level-3 reactor*
*BT1 pwr type reactors

CRYSTAL RIVER-4 REACTOR
(Citrus, Florida, USA)
UF *red level-4 reactor*
*BT1 pwr type reactors

CRYSTAL STRUCTURE
UF *structure (crystal)*
NT1 crystal defects
NT2 line defects
NT3 crowdions
NT3 dislocations
NT4 edge dislocations
NT4 screw dislocations
NT2 point defects
NT3 interstitials
NT4 i centers
NT3 vacancies
NT4 color centers
NT5 a centers
NT5 e centers
NT5 f centers
NT5 h centers
NT5 i centers
NT5 m centers
NT5 r centers
NT5 s centers
NT5 u centers
NT5 v centers
NT5 x centers
NT5 z centers
NT4 frenkel defects
NT4 schottky defects
NT2 stacking faults
NT1 crystal lattices
NT2 beta-w lattices
NT2 cubic lattices
NT3 bcc lattices
NT3 fcc lattices
NT2 hexagonal lattices
NT3 hcp lattices
NT2 monoclinic lattices
NT2 orthorhombic lattices
NT2 pentagonal lattices
NT2 tetragonal lattices
NT2 triclinic lattices
NT2 trigonal lattices
RT allotropy
RT axial ratio
RT configuration
RT crystal field
RT crystal models
RT crystal-phase transformations
RT crystallography
RT guinier-preston zones
RT kikuchi lines
RT lattice vibrations
RT metamict state
RT morphology
RT optical activity
RT order parameters
RT peierls-nabarro force
RT physical metallurgy
RT solid state physics
RT structure factors
RT texture
RT twinning

crystal violet
Use methyl violet

CRYSTALLINE LENS
UF *lens (crystalline)*
*BT1 eyes
RT cataracts

crystalline rocks
Use igneous rocks
AND metamorphic rocks

CRYSTALLIZATION
BT1 phase transformations
RT agglomeration
RT amorphous state
RT cleavage
RT crystal growth
RT crystals
RT epitaxy
RT frost
RT mineralization
RT nucleation
RT precipitation
RT purification
RT recrystallization
RT separation processes
RT solidification
RT solubility
RT zone refining

CRYSTALLOGRAPHY
UF *radiocrystallography*
RT atomic beam diffraction
RT crystal lattices
RT crystal structure
RT crystals
RT diffraction methods
RT electron diffraction
RT gamma diffractometers
RT neutron diffraction
RT neutron diffractometers
RT patterson method
RT x-ray diffraction
RT x-ray diffractometers

CRYSTALS
(From June 1979 till February 1997 CRYSTAL FACES was a valid ETDE descriptor; from February 1975 till March 1997 QUANTUM CRYSTALS was a valid ETDE descriptor; from February 1975 till February 1995 RIEHL-SCHON MODEL was a valid ETDE descriptor.)
UF *quantum crystals*
UF+ *crystal faces*
UF+ *riehl-schon model*
NT1 anharmonic crystals
NT1 dendrites
NT1 ionic crystals
NT1 liquid crystals
NT1 molecular crystals
NT1 monocrystals
NT2 whiskers
NT1 polycrystals
NT2 bicrystals
RT clathrates
RT crystal growth
RT crystal lattices
RT crystallization
RT crystallography
RT ion implantation
RT solids
RT umklapp processes

CS-R PROCESS
INIS: Apr 2000; ETDE: Aug 1981
(Hydrogasification process, developed by Cities Service and Rockwell International, in which entrained coal particles are hydrogenated using hot hydrogen.)
UF *rockwell flash hydroliquefaction process*
*BT1 coal gasification
RT high btu gas
RT hydrogenation

cs-sr process
See coal gasification
OR coal liquefaction

CSCND
INIS: Oct 2000; ETDE: Nov 1999
(Convention on Supplementary Compensation for Nuclear Damage.)
UF *convention on supplementary compensation for nuclear damage*
UF *nuclear damage, conv. on supplementary compensation for*
*BT1 international agreements
RT iaea
RT nuclear liability

csf process
Use coal liquefaction

csiro process
Use coal gasification

CSREX PROCESS
*BT1 reprocessing
RT solvent extraction

CT-6B TOKAMAK
INIS: Dec 1989; ETDE: Jan 1990
(Academia Sinica, Beijing, China.)
*BT1 tokamak devices

ct scanning
Use cat scanning

CTBT
INIS: Jun 1998; ETDE: Oct 1998
(Comprehensive Nuclear-Test-Ban Treaty)
BT1 treaties
RT arms control
RT ctbto
RT non-proliferation policy
RT nuclear disarmament
RT nuclear explosion detection

RT nuclear explosions
RT nuclear freeze
RT nuclear weapons
RT safeguards

CTBTO
INIS: Jun 1998; ETDE: Oct 1998
(Comprehensive Nuclear-Test-Ban Treaty Organization)
BT1 international organizations
RT arms control
RT austria
RT ctbt
RT non-proliferation policy
RT nuclear disarmament
RT nuclear explosions
RT nuclear freeze
RT nuclear weapons
RT safeguards
RT united nations

CTX SPHEROMAK
INIS: Nov 1984; ETDE: May 1984
(A LASL facility to investigate the production, equilibrium, stability and confinement properties of compact toroids of the spheromak type in the absence of externally supported toroidal fields.)
*BT1 spheromak devices

CUBA
BT1 developing countries
*BT1 greater antilles
BT1 latin america

CUBIC LATTICES
UF *perovskite crystal structure*
*BT1 crystal lattices
NT1 bcc lattices
NT1 fcc lattices

CUCUMBERS
*BT1 magnoliopsida
*BT1 vegetables

cucurbita foetidissima
Use buffalo gourd

CUEX
INIS: Nov 1975; ETDE: Dec 1975
UF *cumulative exposure index*
RT human populations
RT icrp
RT integral doses

CULHAM LABORATORY
INIS: Feb 1983; ETDE: Mar 1983
*BT1 ukaea

CULM
INIS: Apr 2000; ETDE: Sep 1979
(Coal dust or slack; formations of shale or sandstone containing beds of impure anthracite.)
*BT1 mineral wastes
RT anthracite
RT coal
RT surface mining

CULTIVATION
INIS: May 1992; ETDE: Dec 1977
RT agriculture
RT crops
RT cultivation techniques

CULTIVATION TECHNIQUES
UF *cropping systems*
UF *plant cultivation*
NT1 hydroponic culture
NT1 short rotation cultivation
RT agriculture
RT crops
RT cultivation
RT drought resistance
RT irrigation

CULTURAL OBJECTS
INIS: Dec 1981; ETDE: Feb 1982
(Objects of historical and/or artistic value.)
UF *art objects*
UF *museum objects*
UF *paintings*
RT age estimation
RT archaeological sites
RT archaeological specimens
RT historical aspects
RT preservation

CULTURAL RESOURCES
INIS: Jan 1981; ETDE: Dec 1978
(Archaeological and historical sites.)
BT1 resources
RT archaeological specimens
RT architecture

culture (safety)
Use safety culture

CULTURE MEDIA
RT batch culture
RT cell cultures
RT continuous culture
RT in vitro
RT nutrients
RT semibatch culture
RT single cell protein
RT tissue cultures

cultures (cells)
Use cell cultures

cultures (tissue)
Use tissue cultures

CUMBERLAND RIVER
*BT1 rivers
RT kentucky
RT tennessee

CUMENE
UF *isopropylbenzene*
*BT1 aromatics
*BT1 hydrocarbons

cumulative effect
Use limiting fragmentation
AND particle production

cumulative exposure index
Use cuex

cumulative liability
Use liabilities

CUMULATIVE RADIATION EFFECTS
UF *cre*
BT1 radiation effects
RT fractionated irradiation
RT radiation doses
RT radiotherapy
RT temporal dose distributions

CUNICO
INIS: Apr 2000; ETDE: Dec 1974
*BT1 cobalt alloys
*BT1 copper alloys
*BT1 nickel alloys

CUPFERRON
UF *phenylhydroxylamine*
*BT1 amines
*BT1 hydroxy compounds
BT1 reagents

CUPRATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 copper compounds
BT1 oxygen compounds
RT copper oxides

cuprosklodowskite
Use silicate minerals
AND uranium minerals

CURCUMIN
BT1 dyes
*BT1 ethers
*BT1 ketones
*BT1 polyphenols

curie law
Use curie-weiss law

CURIE POINT
UF *curie temperature*
*BT1 transition temperature
RT ferromagnetism
RT magnetic susceptibility

curie temperature
Use curie point

CURIE-WEISS LAW
UF *curie law*
RT magnetic susceptibility

CURING
INIS: Oct 1982; ETDE: Mar 1978
NT1 radiation curing
RT drying
RT heat treatments
RT polymerization
RT vulcanization

curite
Use oxide minerals
AND uranium minerals

CURIUM
*BT1 actinides
*BT1 transplutonium elements

CURIUM 232
INIS: Sep 1992; ETDE: Nov 1979
*BT1 actinide nuclei
*BT1 beta-plus decay radioisotopes
*BT1 curium isotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei

CURIUM 236
INIS: Mar 1986; ETDE: Apr 1986
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 curium isotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes

CURIUM 237
Sep 2003
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 curium isotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes

CURIUM 238
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 curium isotopes
*BT1 electron capture radioisotopes

*BT1 even-even nuclei
*BT1 hours living radioisotopes

CURIUM 239
*BT1 actinide nuclei
*BT1 curium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes

CURIUM 240
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 curium isotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 spontaneous fission radioisotopes

CURIUM 241
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 curium isotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 spontaneous fission radioisotopes

CURIUM 242
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 curium isotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 spontaneous fission radioisotopes

CURIUM 242 TARGET
BT1 targets

CURIUM 243
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 curium isotopes
*BT1 even-odd nuclei
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

CURIUM 243 TARGET
INIS: Oct 1976; ETDE: Nov 1976
BT1 targets

CURIUM 244
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 curium isotopes
*BT1 even-even nuclei
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

CURIUM 244 TARGET
BT1 targets

CURIUM 245
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 curium isotopes
*BT1 even-odd nuclei
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

CURIUM 245 TARGET
BT1 targets

CURIUM 246
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 curium isotopes
*BT1 even-even nuclei
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

CURIUM 246 TARGET
INIS: Oct 1976; ETDE: Sep 1976
BT1 targets

CURIUM 247
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 curium isotopes
*BT1 even-odd nuclei
*BT1 years living radioisotopes

CURIUM 247 TARGET
INIS: Jul 1978; ETDE: Mar 1978
BT1 targets

CURIUM 248
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 curium isotopes
*BT1 even-even nuclei
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

CURIUM 248 TARGET
BT1 targets

CURIUM 249
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 curium isotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes

CURIUM 249 TARGET
INIS: Sep 1992; ETDE: Sep 1984
BT1 targets

CURIUM 250
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 curium isotopes
*BT1 even-even nuclei
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

CURIUM 250 TARGET
BT1 targets

CURIUM 251
INIS: Feb 1978; ETDE: May 1977
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 curium isotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes

CURIUM 252
*BT1 actinide nuclei
*BT1 curium isotopes
*BT1 even-even nuclei

CURIUM ADDITIONS
(Alloys containing not more than 1% Cm are listed here.)
*BT1 curium alloys

CURIUM ALLOYS
(Alloys containing more than 1% Cm.)
UF *curium base alloys*
*BT1 actinide alloys
NT1 curium additions

curium arsenides
Use arsenides
AND curium compounds

curium base alloys
Use curium alloys

curium bromides
Use bromides
AND curium compounds

curium carbonates
Use carbonates
AND curium compounds

CURIUM CHLORIDES
*BT1 chlorides
*BT1 curium compounds

CURIUM COMPLEXES
*BT1 actinide complexes
*BT1 transuranium complexes

CURIUM COMPOUNDS
UF+ *curium arsenides*
UF+ *curium bromides*
UF+ *curium carbonates*
UF+ *curium hydrides*
UF+ *curium hydroxides*
UF+ *curium nitrides*
UF+ *curium phosphides*
UF+ *curium selenides*
UF+ *curium silicates*
UF+ *curium sulfides*
UF+ *curium tellurides*
BT1 actinide compounds
*BT1 transplutonium compounds
NT1 curium chlorides
NT1 curium fluorides
NT1 curium iodides
NT1 curium nitrates
NT1 curium oxides

CURIUM FLUORIDES
*BT1 curium compounds
*BT1 fluorides

curium hydrides
Use curium compounds
AND hydrides

curium hydroxides
Use curium compounds
AND hydroxides

CURIUM IODIDES
INIS: Aug 1987; ETDE: Mar 1987
*BT1 curium compounds
*BT1 iodides

CURIUM IONS
*BT1 ions

CURIUM ISOTOPES
BT1 isotopes
NT1 curium 232
NT1 curium 236
NT1 curium 237
NT1 curium 238
NT1 curium 239
NT1 curium 240
NT1 curium 241
NT1 curium 242
NT1 curium 243
NT1 curium 244
NT1 curium 245
NT1 curium 246
NT1 curium 247
NT1 curium 248
NT1 curium 249
NT1 curium 250
NT1 curium 251
NT1 curium 252

CURIUM NITRATES
*BT1 curium compounds
*BT1 nitrates

curium nitrides
Use curium compounds

AND nitrides

CURIUM OXIDES
*BT1 curium compounds
*BT1 oxides

curium phosphides
Use curium compounds
AND phosphides

curium selenides
Use curium compounds
AND selenides

curium silicates
Use curium compounds
AND silicates

curium sulfides
Use curium compounds
AND sulfides

curium tellurides
Use curium compounds
AND tellurides

current (alternating)
Use alternating current

current (direct)
Use direct current

current (leakage)
Use leakage current

CURRENT ALGEBRA
RT algebraic currents
RT cabibbo angle
RT commutation relations
RT commutators
RT current commutators
RT current divergences
RT cvc theory
RT field algebra
RT low-energy theorem
RT pcac theory
RT pcvc theory
RT quantum field theory
RT symmetry groups
RT v-a theory

CURRENT COMMUTATORS
(For operators in current algebra; in electric circuitry use SWITCHES.)
*BT1 commutators
NT1 sigma terms
RT algebraic currents
RT current algebra
RT schwinger terms

CURRENT DENSITY
UF *density (current)*
RT beam currents
RT carrier density
RT electric currents
RT electron density

CURRENT DIVERGENCES
RT algebraic currents
RT current algebra

CURRENT-DRIVE HEATING
INIS: Mar 1983; ETDE: Oct 1982
(Techniques for inducing steady-state currents in tokamaks, hence, overcoming the problems associated with pulsed operation. Heating mechanisms which can lend themselves efficiently to continuous current generation include neutral be ams, alfven waves, ion-cyclotron waves, lower-hybrid waves, and electron cyclotron waves.)
*BT1 joule heating
RT non-inductive current drive

CURRENT LIMITERS
INIS: Aug 1978; ETDE: Mar 1977
(Devices that restrict the flow of current to a certain amount, regardless of the applied voltage.)
UF *demand limiters*
*BT1 electrical equipment
RT circuit breakers
RT electric currents
RT power transmission lines
RT threshold current

current limiting fuses
Use electric fuses

CURRENT-TO-FREQUENCY CONVERTERS
INIS: Apr 2000; ETDE: Apr 1975
*BT1 pulse converters

CURRENTS
NT1 algebraic currents
NT2 axial-vector currents
NT2 charged currents
NT3 weak charged currents
NT2 neutral currents
NT3 weak neutral currents
NT2 second-class currents
NT2 vector currents
NT1 beam currents
NT2 amp beam currents
NT2 kilo amp beam currents
NT2 mega amp beam currents
NT2 micro amp beam currents
NT2 milli amp beam currents
NT2 nano amp beam currents
NT2 pico amp beam currents
NT1 electric currents
NT2 alternating current
NT2 bootstrap current
NT2 critical current
NT2 direct current
NT2 eddy currents
NT2 electric arcs
NT2 electrojets
NT2 faraday current
NT2 leakage current
NT2 overcurrent
NT2 photocurrents
NT2 ring currents
NT2 threshold current
NT1 water currents
NT2 gulf stream
RT atmospheric circulation
RT voltametry

currents (algebraic)
Use algebraic currents

currents (beam)
Use beam currents

currents (electric)
Use electric currents

currents (neutral)
Use neutral currents

currents (water)
Use water currents

curriculum guides
Use educational tools

curtailments
Use allocations

CURTAINS
INIS: Apr 2000; ETDE: Feb 1979
UF *draperies*
RT air curtains
RT buildings
RT passive solar cooling systems
RT passive solar heating systems
RT screens
RT shading
RT shutters
RT sun shades
RT thermal insulation
RT windows

curve of growth (spectroscopic)
Use spectroscopic curve of growth

curves
Use diagrams

CURVILINEAR COORDINATES
INIS: Jul 1985; ETDE: Aug 1985
BT1 coordinates
NT1 magnetic flux coordinates
RT metrics
RT riemann space

CUSHING SYNDROME
*BT1 endocrine diseases
RT corticosteroids
RT pituitary gland

cusp
Use cusped geometries

CUSPED GEOMETRIES
UF *cusp*
UF *picket fence*
*BT1 open configurations
RT geometry

CUTTER LOADERS
INIS: Apr 2000; ETDE: Jun 1977
*BT1 cutting machines
*BT1 loaders
NT1 coal plows
NT1 continuous miners
NT1 heading machines
NT1 shearer loaders
RT coal mining

CUTTING
BT1 machining
RT cutting tools
RT mechanical decladding

CUTTING FLUIDS
INIS: Jul 1994; ETDE: May 1982
BT1 fluids
RT coolants
RT lubricants
RT machining

CUTTING MACHINES
INIS: Apr 2000; ETDE: Apr 1985
*BT1 mining equipment
NT1 cutter loaders
NT2 coal plows
NT2 continuous miners
NT2 heading machines
NT2 shearer loaders
RT coal mining

CUTTING TOOLS
*BT1 tools
RT cutting
RT shredders

CUTTINGS REMOVAL
INIS: Mar 1993; ETDE: Mar 1983
UF *drill cuttings removal*

BT1 removal
RT coring fluids
RT drilling
RT drilling fluids
RT well drilling

CVC THEORY
RT current algebra
RT vector currents

CVTR REACTOR
UF *carolinas virginia tube reactor*
UF *parr carolinas cvtr reactor*
*BT1 enriched uranium reactors
*BT1 phwr type reactors
*BT1 pressure tube reactors
*BT1 thermal reactors

CWIP
INIS: Apr 1984; ETDE: Nov 1978
(construction work in progress.)
UF *construction work in progress*
BT1 construction
RT accounting
RT afudc
RT public utilities

cyam process
Use waste processing

CYANAMIDES
*BT1 carbonic acid derivatives
*BT1 organic nitrogen compounds

CYANATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 carbonic acid derivatives
BT1 nitrogen compounds
RT cyanides
RT isocyanates
RT oxygen compounds

CYANIDES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
RT cyanates
RT cyanogen
RT hydrocyanic acid

CYANINE DYES
INIS: Jun 1983; ETDE: May 1979
BT1 dyes
RT aromatics
RT heterocyclic compounds

cyanoacetylene
Use propiolonitrile

CYANOBACTERIA
INIS: Feb 1983; ETDE: Mar 1983
UF *blue-green algae*
BT1 microorganisms

cyanocobalamin
Use vitamin b-12

cyanoferrates
Use ferricyanides

CYANOGEN
RT cyanides

CYANURATES
*BT1 organic oxygen compounds
*BT1 triazines

CYBERNETICS
RT control
RT information theory
RT man-machine systems

cycasin
Use azo compounds
AND carcinogens
AND hexoses

CYCLASES
INIS: Feb 1983; ETDE: Mar 1983
*BT1 lyases
RT phosphoproteins

cycles (thermodynamic)
Use thermodynamic cycles

CYCLIC ACCELERATORS
UF *linotrons*
BT1 accelerators
NT1 betatrons
NT1 bevalac
NT1 cyclotrons
NT2 cracow u-120 cyclotron
NT2 isochronous cyclotrons
NT3 aabo cyclotron
NT3 alice cyclotron
NT3 brookhaven cyclotron
NT3 cracow aic-144 cyclotron
NT3 crnl superconducting cyclotron
NT3 cyclone cyclotron
NT3 debrecen cyclotron
NT3 eindhoven cyclotron
NT3 ganil cyclotron
NT3 grenoble cyclotron
NT3 haizy cyclotron
NT3 hirfl cyclotron
NT3 inr cyclotron
NT3 ipcr cyclotron
NT3 iu cyclotron
NT3 jinr cyclotrons
NT4 jinr u-400 cyclotron
NT3 julic cyclotron
NT3 karlsruhe cyclotron
NT3 kazakhstan cyclotron
NT3 kiev cyclotron
NT3 kvi cyclotron
NT3 milan superconducting cyclotron
NT3 msu cyclotrons
NT3 munich compact cyclotron
NT3 munich suse cyclotron
NT3 nac cyclotron
NT3 nirs cyclotron
NT3 nrl cyclotron
NT3 ornl isochronous cyclotron
NT3 orsay cyclotron
NT3 oslo cyclotron
NT3 princeton cyclotron
NT3 rcnp cyclotron
NT3 sara cyclotron
NT3 sin cyclotron
NT3 texas a and m cyclotron
NT3 texas superconducting cyclotron
NT3 tohoku cyclotron
NT3 tokyo ins cyclotron
NT3 triumf cyclotron
NT3 uclrl cyclotrons
NT4 lbl 88-inch cyclotron
NT3 warsaw cyclotron
NT2 microtrons
NT3 racetrack microtrons
NT2 nbi cyclotron
NT2 separated orbit cyclotrons
NT2 superconducting cyclotrons
NT3 milan superconducting cyclotron
NT3 texas superconducting cyclotron
NT2 variable energy cyclotrons
NT3 calcutta cyclotron
NT3 chandigarh cyclotron
NT1 synchrocyclotrons
NT2 berkeley synchrocyclotron
NT2 cern synchrocyclotron
NT2 dubna synchrocyclotron
NT2 harvard synchrocyclotron
NT2 harwell synchrocyclotron
NT2 iko synchrocyclotron
NT2 leningrad synchrocyclotron
NT2 mcgill synchrocyclotron
NT2 orsay synchrocyclotron
NT2 uppsala synchrocyclotron
NT1 synchrotrons
NT2 bevatron
NT2 bonn synchrotron
NT2 brookhaven ags
NT2 cambridge electron accelerator
NT2 cern lhc
NT2 cern ps synchrotron
NT2 cern sps synchrotron
NT2 cornell 10-gev synchrotron
NT2 cosmotron
NT2 cosy storage ring
NT2 desy
NT2 erevan synchrotron
NT2 escar storage ring
NT2 fermilab accelerator
NT2 fermilab tevatron
NT2 fian synchrotron
NT2 frascati synchrotron
NT2 himac accelerator
NT2 ipns-i synchrotron
NT2 itep synchrotron
NT2 jinr synchrotron
NT2 kek synchrotron
NT2 lampf ii synchrotron
NT2 lep storage rings
NT2 lusy
NT2 mura synchrotron
NT2 nimrod
NT2 nina
NT2 pakhra synchrotron
NT2 princeton synchrotron
NT2 saturne
NT2 saturne ii
NT2 serpukhov synchrotron
NT2 serpukhov tevatron
NT2 sis synchrotron
NT2 superconducting super collider
NT2 tokyo synchrotron
NT2 tomsk synchrotron
NT2 zgs
RT cavity resonators
RT rf systems
RT superconducting cavity resonators
RT waveguides

cyclic adenosine monophosphate
Use amp

cyclic amides
Use lactams

cyclic esters
Use lactones

cyclic steam injection process
Use fluid injection processes

CYCLIZATION
INIS: Jun 1985; ETDE: Apr 1983
BT1 chemical reactions

CYCLOALKANES
(From February 1975 till February 1997 ADAMANTANE was a valid ETDE descriptor.)
UF *adamantane*
UF *condensed cycloalkanes*
*BT1 alkanes

NT1 cyclohexane
NT1 decalin

CYCLOALKENES
UF+ *camphene*
*BT1 alkenes
NT1 cyclopentadiene
NT1 norbornadiene
NT1 quadricyclene

CYCLOALKYNES
INIS: Apr 2000; ETDE: Oct 1984
*BT1 alkynes

cycloheptatrienones
Use tropones

CYCLOHEXANE
*BT1 cycloalkanes
RT hexane

CYCLOHEXANOL
INIS: Dec 1981; ETDE: Jan 1975
*BT1 alcohols

CYCLOHEXANONE
*BT1 ketones

CYCLOHEXIMIDE
*BT1 antibiotics
*BT1 fungicides

cyclohexylenedinitrilotetraacetic acid
Use cdta

CYCLONE COMBUSTORS
INIS: Apr 2000; ETDE: Sep 1979
BT1 combustors

CYCLONE CYCLOTRON
INIS: Jan 1984; ETDE: Mar 1983
(Universite Catholique de Louvain Cyclotron.)
UF *louvain isochronous cyclotron*
UF *universite catholique louvain cyclotron*
*BT1 heavy ion accelerators
*BT1 isochronous cyclotrons

CYCLONE SEPARATORS
UF *hydrocyclones*
BT1 concentrators
*BT1 inertial separators
RT scrubbers
RT separation processes

CYCLOPENTADIENE
*BT1 cycloalkenes
*BT1 dienes

cyclopentanediaminetetraacetic acid
Use amino acids
AND chelating agents

cyclophosphamide
Use endoxan

CYCLOSPORINE
INIS: Jul 1992; ETDE: Aug 1992
UF *cyclosporine-a*
*BT1 immunosuppressive drugs
*BT1 peptides
RT immunosuppression

cyclosporine-a
Use cyclosporine

CYCLOTRON CENTER OF THE SLOVAK REPUBLIC
Dec 2002
UF *slovak cyclotron center*
*BT1 slovak organizations

CYCLOTRON FREQUENCY
UF *frequency (cyclotron)*
RT cyclotron harmonics
RT cyclotron instability
RT cyclotron radiation
RT gyrofrequency

CYCLOTRON HARMONICS
*BT1 harmonics
RT bernstein mode
RT cyclotron frequency

CYCLOTRON INSTABILITY
*BT1 plasma microinstabilities
RT cyclotron frequency

CYCLOTRON RADIATION
*BT1 bremsstrahlung
RT cyclotron frequency
RT cyclotron resonance
RT icr heating
RT synchrotron radiation

CYCLOTRON RESONANCE
BT1 resonance
NT1 azbel-kaner resonance
NT1 electron cyclotron-resonance
NT1 ion cyclotron-resonance
RT cyclotron radiation
RT ion cyclotron resonance spectroscopy

CYCLOTRONS
*BT1 cyclic accelerators
NT1 cracow u-120 cyclotron
NT1 isochronous cyclotrons
NT2 aabo cyclotron
NT2 alice cyclotron
NT2 brookhaven cyclotron
NT2 cracow aic-144 cyclotron
NT2 crnl superconducting cyclotron
NT2 cyclone cyclotron
NT2 debrecen cyclotron
NT2 eindhoven cyclotron
NT2 ganil cyclotron
NT2 grenoble cyclotron
NT2 haizy cyclotron
NT2 hirfl cyclotron
NT2 inr cyclotron
NT2 ipcr cyclotron
NT2 iu cyclotron
NT2 jinr cyclotrons
NT3 jinr u-400 cyclotron
NT2 julic cyclotron
NT2 karlsruhe cyclotron
NT2 kazakhstan cyclotron
NT2 kiev cyclotron
NT2 kvi cyclotron
NT2 milan superconducting cyclotron
NT2 msu cyclotrons
NT2 munich compact cyclotron
NT2 munich suse cyclotron
NT2 nac cyclotron
NT2 nirs cyclotron
NT2 nrl cyclotron
NT2 ornl isochronous cyclotron
NT2 orsay cyclotron
NT2 oslo cyclotron
NT2 princeton cyclotron
NT2 rcnp cyclotron
NT2 sara cyclotron
NT2 sin cyclotron
NT2 texas a and m cyclotron
NT2 texas superconducting cyclotron
NT2 tohoku cyclotron
NT2 tokyo ins cyclotron
NT2 triumf cyclotron
NT2 uclrl cyclotrons
NT3 lbl 88-inch cyclotron
NT2 warsaw cyclotron
NT1 microtrons
NT2 racetrack microtrons
NT1 nbi cyclotron
NT1 separated orbit cyclotrons
NT1 superconducting cyclotrons
NT2 milan superconducting cyclotron
NT2 texas superconducting cyclotron
NT1 variable energy cyclotrons
NT2 calcutta cyclotron
NT2 chandigarh cyclotron
RT dees
RT synchrocyclotrons

CYLINDERS
(Objects of cylindrical shape. For containers see headings such as GAS CYLINDERS.)
RT cylindrical configuration
RT pipes
RT rods
RT shape
RT tubes

cylindrical aberrations
Use geometrical aberrations

CYLINDRICAL CONFIGURATION
BT1 configuration
RT cylinders

cylindrical parabolic collectors
Use parabolic trough collectors

CYMENE
UF *isopropyltoluene-para*
*BT1 aromatics
*BT1 hydrocarbons
RT thymol

CYPRUS
BT1 islands
BT1 middle east
RT mediterranean sea

cyric cyclotron
Use tohoku cyclotron

cyrtolite
Use silicate minerals
AND uranium minerals

cystamin
Use urotropin

CYSTAMINE
UF *2,2-dithiobisethylamine*
*BT1 amines
*BT1 organic sulfur compounds
*BT1 radioprotective substances
RT mea

CYSTAPHOS
INIS: Nov 1975; ETDE: Jan 1975
UF *sodium aminoethylthiophosphate*
*BT1 amines
*BT1 organic phosphorus compounds
*BT1 radioprotective substances
*BT1 thiophosphoric acid esters
RT thioic acids

cysteamine
Use mea

CYSTEINE
UF *mercaptoalanine-beta*
*BT1 amino acids
*BT1 thiols
RT cystine
RT homocysteine

CYSTINE
*BT1 amino acids
*BT1 disulfides
RT cysteine

CYSTS
INIS: Nov 1988; ETDE: Dec 1988
BT1 pathological changes

CYTIDINE
*BT1 nucleosides
*BT1 pyrimidines
RT cytidylic acid
RT cytosine
RT deoxycytidine

CYTIDYLIC ACID
*BT1 nucleotides
RT cytidine
RT cytosine

CYTOCHEMISTRY
*BT1 biochemistry
RT cytology
RT feulgen method

CYTOCHROME OXIDASE
*BT1 oxidases
RT cytochromes
RT mixed-function oxidases

CYTOCHROMES
(Electron transporting proteins that contain a heme prosthetic group.)
BT1 pigments
*BT1 proteins
RT chlorins
RT coenzymes
RT cytochrome oxidase
RT mixed-function oxidases
RT photosynthetic reaction centers
RT redox process

cytokines
Use lymphokines

CYTOLOGICAL TECHNIQUES
INIS: Oct 1975; ETDE: Dec 1975
NT1 banding techniques
NT1 chromosome sorting
RT cell constituents
RT cell flow systems
RT cytology
RT electron microscopy

CYTOLOGY
BT1 biology
RT animal cells
RT cell constituents
RT cell flow systems
RT cytochemistry
RT cytological techniques
RT genetics
RT plant cells
RT ultrastructural changes

CYTOPLASM
BT1 cell constituents
RT liposomes
RT mitochondria
RT plasmids

CYTOSINE
*BT1 amines
*BT1 organic oxygen compounds
*BT1 pyrimidines
RT cytidine
RT cytidylic acid

cytostatics
Use antimitotic drugs

cytotoxins
Use antimitotic drugs

cytriphos
Use amines
AND nucleotides
AND radioprotective substances

czd process
Use desulfurization

CZECH ORGANIZATIONS
INIS: Feb 1994; ETDE: Feb 1994
(Prior to February 1994, this concept in ETDE was indexed by CZECHOSLOVAK ORGANIZATIONS.)
SF *czechoslovak organizations*
BT1 national organizations
NT1 sujb
NT1 ujv
NT1 uvvvr

CZECH REPUBLIC
INIS: Jan 1993; ETDE: Apr 1993
(Prior to March 1994, this concept in ETDE was indexed to CZECHOSLOVAKIA.)
SF *czechoslovakia*
BT1 developing countries
*BT1 eastern europe
RT oecd

czech wwr-c reactor
Use wwr-s-prague reactor

czech wwr-s reactor
Use lvr-15 reactor

czechoslovak lr-0 reactor
Use lr-0 reactor

czechoslovak organizations
See czech organizations
OR slovak organizations

czechoslovak tr-0 reactor
Use tr-0 reactor

czechoslovakia
See czech republic
OR slovakia

CZOCHRALSKI METHOD
BT1 crystal growth methods
RT crystal growth

D

d-1285 resonances
Use f1-1285 mesons

d-1865 resonances
Use d mesons

d-2007 resonances
Use d*-2010 mesons

D CODES
BT1 computer codes

D-D REACTORS
INIS: Oct 1983; ETDE: Nov 1983
BT1 thermonuclear reactors

D-HE REACTORS
INIS: Feb 1995; ETDE: Feb 1995
BT1 thermonuclear reactors

D MESONS
INIS: Mar 1977; ETDE: Feb 1985
(Prior to January 1985 D-1865 RESONANCES was used for this concept in ETDE.)
UF *d-1865 resonances*
*BT1 charmed mesons
*BT1 pseudoscalar mesons
NT1 d minus mesons
NT1 d neutral mesons
NT2 anti-d neutral mesons
NT1 d plus mesons

D MINUS MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 d mesons

D NEUTRAL MESONS
INIS: Nov 1978; ETDE: Aug 1988
(Prior to December 1987 this concept was indexed by D ZERO RESONANCES.)
UF *d zero resonances*
*BT1 d mesons
NT1 anti-d neutral mesons

D PLUS MESONS
INIS: Nov 1978; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by D PLUSRESONANCES.)
UF *d plus resonances*
*BT1 d mesons

d plus resonances
Use d plus mesons

D QUARKS
INIS: Sep 1995; ETDE: Oct 1995
*BT1 quarks
RT quarkonium

D REGION
*BT1 ionosphere

d resonances
Use charmed mesons

D S-2536 MESONS
INIS: Jul 1995; ETDE: Jul 1995
*BT1 axial vector mesons
*BT1 charmed mesons
*BT1 strange mesons

D S MESONS
INIS: Jul 1978; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by F MESONS.)
UF *d strange mesons*
UF *f mesons*
UF *f-2030 resonances*
*BT1 charmed mesons
*BT1 pseudoscalar mesons
*BT1 strange mesons

D STATES
BT1 energy levels

d strange mesons
Use d s mesons

D-T OPERATION
INIS: Mar 1996; ETDE: Feb 1996
RT d-t reactors
RT deuterium ions
RT thermonuclear devices
RT thermonuclear fuels
RT tritium ions

D-T REACTORS
BT1 thermonuclear reactors
NT1 pulsed d-t reactors
NT2 reference theta pinch reactor

NT1 steady-state d-t reactors
RT d-t operation

D WAVES
BT1 partial waves
RT angular momentum
RT quantum mechanics

d zero resonances
Use d neutral mesons

D-2010 MESONS*
INIS: Aug 1978; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by D-2007RESONANCES.)
UF *d-2007 resonances*
*BT1 charmed mesons
*BT1 vector mesons

d*-2420 mesons
Use d1-2420 mesons

d* plus resonances
Use baryons

d* zero resonances
Use baryons

*D*2-2460 MESONS*
INIS: Jul 1995; ETDE: Jul 1995
*BT1 charmed mesons
*BT1 tensor mesons

d*effect
See baryons

d*phenomenon
See baryons

d*resonances
Use baryons

*D*S-2110 MESONS*
INIS: Jul 1978; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by F* RESONANCES.)
UF *f*resonances*
*BT1 charmed mesons
*BT1 strange mesons

D1-2420 MESONS
INIS: Dec 1987; ETDE: Aug 1995
(Until July 1995 this concept was indexed by D*-2420 MESONS.)
UF *d*-2420 mesons*
*BT1 axial vector mesons
*BT1 charmed mesons

DACRON
UF *terylene*
*BT1 polyesters
RT fibers
RT glycols
RT terephthalic acid
RT textiles

DACUS
*BT1 fruit flies
NT1 dacus oleae

DACUS OLEAE
*BT1 dacus
RT olives

dahomey
Use benin

DAILY VARIATIONS
(Includes day-to-day, diurnal, and semidiurnal variations.)
UF *circadian variations*
UF *diel variations*
UF *diurnal variation*
UF *semidiurnal variation*
BT1 variations
RT nocturnal variations
RT photoperiod

DAIRY INDUSTRY
INIS: Jan 1993; ETDE: Jan 1980
*BT1 food industry

dalat triga-mk-2 reactor
Use triga-2-dalat reactor

DALHART BASIN
INIS: Jun 1992; ETDE: Feb 1984
BT1 permian basin
RT radioactive waste disposal
RT texas

dalhousie university slowpoke reactor
Use slowpoke-dalhousie reactor

DALITZ PLOT
(Phase-space plot of momentum or mass distribution of final-state particles.)
*BT1 scatterplots
RT linear momentum
RT mass
RT phase space
RT resonance particles

dam
Use pyrazolines

DAMAGE
INIS: Apr 2000; ETDE: Jan 1975
(Not to be used in reference to living organisms. Use more specific descriptor, if possible.)
RT failures
RT fatigue
RT hazards
RT impact shock
RT nuclear damage
RT radiation effects
RT safety

damage (nuclear)
Use nuclear damage

damage (radiation, biological)
Use radiation injuries

damage (radiation, chemical)
Use radiolysis

damage (radiation, physical)
Use physical radiation effects

damage factor
Use formation damage

damage ratio
Use formation damage

damage zone
Use formation damage

damage, vienna convention on liability
Use vcoclnd

DAMAGING NEUTRON FLUENCE
INIS: May 1976; ETDE: Mar 1978
BT1 neutron fluence
NT1 equivalent fission fluence
RT interstitial helium generation
RT interstitial hydrogen generation
RT irradiation
RT neutron flux
RT neutronic damage functions
RT physical radiation effects

DAMPA
UF *diisoamyl methylphosphonate*
UF *diisopentyl methylphosphonate*
*BT1 phosphonic acid esters

dampers (gas flow)
Use flow regulators
AND gas flow

DAMPIERRE-1 REACTOR
INIS: Mar 1991; ETDE: Apr 1991
(Ouzouer-sur-Loire, France.)
*BT1 pwr type reactors

DAMPIERRE-2 REACTOR
(Ouzouer-sur-Loire, France.)
*BT1 pwr type reactors

DAMPIERRE-3 REACTOR
Jul 2003
(Ouzouer-sur-Loire, France.)
*BT1 pwr type reactors

DAMPIERRE-4 REACTOR
Jul 2003
(Ouzouer-sur-Loire, France.)
*BT1 pwr type reactors

DAMPING
NT1 landau damping
RT attenuation
RT energy losses
RT hydrodynamic mass effect
RT hysteresis
RT internal friction
RT mechanical vibrations
RT restraints
RT shock absorbers

DAMS
UF *breakwaters*
RT embankments
RT fish passage facilities
RT flood control
RT hydroelectric power plants
RT spillways
RT water reservoirs

DANCOFF CORRECTION
RT resonance escape probability

DANGER COEFFICIENT
BT1 reactivity coefficients

DANISH ATOMIC ENERGY COMMISSION
*BT1 danish organizations

DANISH ORGANIZATIONS
BT1 national organizations
NT1 danish atomic energy commission
NT1 risoe national laboratory
NT2 risoe research establishment

danish reactor-1
Use dr-1 reactor

danish reactor-2
Use dr-2 reactor

danish reactor-3
Use dr-3 reactor

danny boy event
Use cratering explosions
AND nuclear explosions

DANTE TOKAMAK
INIS: Aug 1984; ETDE: Oct 1984
(DANish Tokamak Experiment.)
*BT1 tokamak devices

DANUBE RIVER
*BT1 rivers
RT austria
RT black sea
RT bulgaria
RT federal republic of germany
RT hungary
RT romania
RT slovakia
RT ukraine
RT yugoslavia

DAPEX PROCESS
*BT1 reprocessing
RT solvent extraction

DAPHNIA
*BT1 branchiopods
RT plankton
RT zooplankton

DARCY LAW
RT fluid flow

daresbury synchrotron
Use nina

darex process
Use reprocessing

dark matter
Use nonluminous matter

dark repair
Use dna repair

DARLINGTON-1 REACTOR
INIS: Nov 1976; ETDE: Dec 1976
(Darlington, Ontario, Canada)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT darlington site

DARLINGTON-2 REACTOR
INIS: Nov 1976; ETDE: Dec 1976
(Darlington, Ontario, Canada)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT darlington site

DARLINGTON-3 REACTOR
INIS: Nov 1976; ETDE: Dec 1976
(Darlington, Ontario, Canada)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT darlington site

DARLINGTON-4 REACTOR
INIS: Nov 1976; ETDE: May 1977
(Darlington, Ontario, Canada)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT darlington site

DARLINGTON SITE
INIS: Jan 1993; ETDE: May 1993
(Darlington, Ontario, Canada)
BT1 reactor sites
RT darlington-1 reactor
RT darlington-2 reactor
RT darlington-3 reactor
RT darlington-4 reactor

darmstadt storage ring
Use esr storage ring

darmstadt synchrotron
Use sis synchrotron

DARRIEUS ROTORS
INIS: Apr 2000; ETDE: Feb 1976
BT1 rotors
RT vertical axis turbines

DATA
(For data flagging always use a more specific term.)
UF *measured values*
SF *recorded information*
SF *tables*
SF *values*
BT1 information
NT1 data compilation
NT1 numerical data
NT2 compiled data
NT2 evaluated data
NT2 experimental data
NT2 financial data
NT2 statistical data
NT2 theoretical data
RT cinda
RT comparative evaluations
RT data base management
RT data covariances
RT data processing
RT information needs

DATA ACQUISITION
UF *acquisition (data)*
SF *gidep*
SF *government industry data exchange program (gidep)*
RT compiled data
RT data compilation
RT data processing
RT recording systems
RT reporting requirements

DATA ACQUISITION SYSTEMS
(Systems for converting data to machine readable form and gathering it into a computer store.)
RT camac system
RT electronic equipment
RT fastbus system
RT identification systems
RT nuclear instrument modules
RT readout systems
RT recording systems

DATA ANALYSIS
INIS: Oct 1991; ETDE: Dec 1975
RT computer calculations
RT data processing
RT ground truth measurements
RT prony method

DATA BASE MANAGEMENT
INIS: Jul 1986; ETDE: Jul 1978
BT1 management
RT data
RT data compilation
RT data processing
RT data tagging
RT geographic information systems
RT information
RT information retrieval
RT information systems
RT nuclear data collections

DATA COMPILATION
INIS: Oct 1978; ETDE: Dec 1974
(The process of compiling large volumes of data. For data flagging use COMPILED DATA.)
*BT1 data
RT compiled data
RT data acquisition
RT data base management
RT documentation
RT information centers
RT information systems
RT libraries
RT nuclear data collections

data compilation (evaluated)
Use evaluated data

DATA COVARIANCES
INIS: Dec 1985; ETDE: Feb 1979
(Relates to statistical uncertainties in measured quantities.)
UF *uncertainty in data values*
RT accuracy
RT data
RT errors
RT statistics

data display devices
Use display devices

data display systems
Use display devices

DATA-FLOW PROCESSING
INIS: Aug 1992; ETDE: Feb 1984
BT1 programming
RT algorithms
RT computers

data forms
Use document types

DATA PROCESSING
(Manipulation of unit facts.)
UF *electronic data processing*
UF *handling (data)*
UF *processing (data)*
UF+ *chernoff faces*
SF *card punches*
BT1 processing
NT1 distributed data processing
NT1 memory management
NT1 spectra unfolding
NT1 task scheduling
RT array processors
RT calculators
RT computers
RT data
RT data acquisition
RT data analysis
RT data base management
RT data transmission
RT data transmission systems
RT digital filters
RT digital frequency analysis
RT digitizers
RT expert systems
RT frequency analysis
RT image processing
RT image scanners
RT information theory
RT multi-parameter analysis
RT pattern recognition
RT personal computers
RT prony method
RT recording systems

data processors
Use digital computers

data storage devices
Use memory devices

DATA TAGGING
INIS: May 1999; ETDE: May 1980
UF *numerical data tagging*
RT data base management
RT information retrieval
RT information systems

DATA TRANSMISSION
(From July 1984 till April 1997 CRYPTOGRAPHY was a valid ETDE descriptor.)
UF *transmission (data)*
SF *cryptography*
BT1 communications
NT1 telemetry
RT camac system
RT computer networks
RT data processing
RT data transmission systems
RT equipment interfaces
RT multiplexers
RT nuclear instrument modules
RT signal conditioning
RT signal distortion
RT signals
RT telephones

DATA TRANSMISSION SYSTEMS
INIS: Mar 1985; ETDE: Feb 1982
RT communications
RT data processing
RT data transmission

data validation
Use verification

DATES
*BT1 fruits

dating
Use age estimation

datum pressure
Use reservoir pressure

DAUGHTER PRODUCTS
UF *decay products*
BT1 isotopes
RT natural radioactivity
RT radioisotope generators

davidite
Use oxide minerals
AND uranium minerals

DAVIS BESSE-1 REACTOR
INIS: Oct 1975; ETDE: Jan 1975
(Ottawa, Ohio, USA)
UF *davis besse reactor*
UF *oak harbor ohio reactor*
*BT1 pwr type reactors

DAVIS BESSE-2 REACTOR
INIS: Oct 1977; ETDE: Jan 1975
(Ottawa, Ohio, USA.)
*BT1 pwr type reactors

DAVIS BESSE-3 REACTOR
INIS: Oct 1977; ETDE: Jan 1975
(Ottawa, Ohio, USA.)
*BT1 pwr type reactors

davis besse reactor
Use davis besse-1 reactor

davy s-h process
Use desulfurization

DAVYDOV-FILIPOV MODEL
UF *davydov model*
*BT1 nuclear models
RT collective model

davydov model
Use davydov-filipov model

DAWSONITE
INIS: Apr 2000; ETDE: Jan 1975
(A mineral consisting of a basic sodium aluminum carbonate occurring in white beaded crystals.)
*BT1 carbonate minerals
RT aluminium compounds
RT hydroxides
RT sodium carbonates

DAYA BAY-1 REACTOR
Jan 2003
(Shenzhen, Guangdong, China. Prior to January 2003 DAYA BAY REACTOR was used.)
UF *daya bay reactor*
*BT1 pwr type reactors

DAYA BAY-2 REACTOR
Jan 2003
(Shenzhen, Guangdong, China.)
*BT1 pwr type reactors

daya bay reactor
Use daya bay-1 reactor

dayglow
Use airglow

DAYLIGHTING
INIS: Apr 2000; ETDE: Jan 1981
UF *natural lighting*
RT illuminance
RT lighting systems
RT skylights
RT solar radiation
RT windows

DAYS LIVING RADIOISOTOPES
*BT1 radioisotopes
NT1 actinium 225
NT1 actinium 226
NT1 americium 240
NT1 antimony 119
NT1 antimony 120
NT1 antimony 122
NT1 antimony 124
NT1 antimony 126
NT1 antimony 127
NT1 argon 37
NT1 arsenic 71
NT1 arsenic 72
NT1 arsenic 73
NT1 arsenic 74
NT1 arsenic 76
NT1 arsenic 77
NT1 barium 128
NT1 barium 131
NT1 barium 133
NT1 barium 135
NT1 barium 140
NT1 berkelium 245
NT1 berkelium 246
NT1 berkelium 249
NT1 beryllium 7
NT1 bismuth 205
NT1 bismuth 206
NT1 bismuth 210
NT1 bromine 77
NT1 bromine 82
NT1 cadmium 115
NT1 calcium 45
NT1 calcium 47
NT1 californium 246
NT1 californium 248
NT1 californium 253
NT1 californium 254
NT1 cerium 134
NT1 cerium 137
NT1 cerium 139
NT1 cerium 141
NT1 cerium 143
NT1 cerium 144
NT1 cesium 129
NT1 cesium 131
NT1 cesium 132
NT1 cesium 136
NT1 chromium 51
NT1 cobalt 56
NT1 cobalt 57
NT1 cobalt 58
NT1 copper 67
NT1 curium 240
NT1 curium 241
NT1 curium 242
NT1 dysprosium 159
NT1 dysprosium 166
NT1 einsteinium 251
NT1 einsteinium 253
NT1 einsteinium 254
NT1 einsteinium 255
NT1 erbium 160
NT1 erbium 169
NT1 erbium 172
NT1 europium 145
NT1 europium 146
NT1 europium 147
NT1 europium 148
NT1 europium 149
NT1 europium 156
NT1 fermium 252
NT1 fermium 253
NT1 fermium 257
NT1 gadolinium 146
NT1 gadolinium 147
NT1 gadolinium 149
NT1 gadolinium 151
NT1 gadolinium 153
NT1 gallium 67
NT1 germanium 68
NT1 germanium 69
NT1 germanium 71
NT1 gold 194
NT1 gold 195
NT1 gold 196
NT1 gold 198
NT1 gold 199
NT1 hafnium 175
NT1 hafnium 179
NT1 hafnium 181
NT1 holmium 166
NT1 indium 111
NT1 indium 114
NT1 iodine 124
NT1 iodine 125
NT1 iodine 126
NT1 iodine 131
NT1 iridium 188
NT1 iridium 189
NT1 iridium 190
NT1 iridium 192
NT1 iridium 193
NT1 iridium 194
NT1 iron 59
NT1 krypton 79
NT1 lanthanum 140
NT1 lead 203
NT1 lutetium 169
NT1 lutetium 170
NT1 lutetium 171
NT1 lutetium 172

NT1 lutetium 174
NT1 lutetium 177
NT1 manganese 52
NT1 manganese 54
NT1 mendelevium 258
NT1 mercury 195
NT1 mercury 197
NT1 mercury 203
NT1 molybdenum 99
NT1 neodymium 140
NT1 neodymium 147
NT1 neptunium 234
NT1 neptunium 238
NT1 neptunium 239
NT1 nickel 56
NT1 nickel 57
NT1 nickel 66
NT1 niobium 91
NT1 niobium 92
NT1 niobium 95
NT1 osmium 185
NT1 osmium 191
NT1 osmium 193
NT1 palladium 100
NT1 palladium 103
NT1 phosphorus 32
NT1 phosphorus 33
NT1 platinum 188
NT1 platinum 191
NT1 platinum 193
NT1 platinum 195
NT1 plutonium 237
NT1 plutonium 246
NT1 plutonium 247
NT1 polonium 206
NT1 polonium 210
NT1 praseodymium 143
NT1 promethium 143
NT1 promethium 148
NT1 promethium 149
NT1 promethium 151
NT1 protactinium 229
NT1 protactinium 230
NT1 protactinium 232
NT1 protactinium 233
NT1 radium 223
NT1 radium 224
NT1 radium 225
NT1 radon 222
NT1 rhenium 182
NT1 rhenium 183
NT1 rhenium 184
NT1 rhenium 186
NT1 rhenium 189
NT1 rhodium 101
NT1 rhodium 102
NT1 rhodium 105
NT1 rhodium 99
NT1 rubidium 83
NT1 rubidium 84
NT1 rubidium 86
NT1 ruthenium 103
NT1 ruthenium 97
NT1 samarium 145
NT1 samarium 153
NT1 scandium 44
NT1 scandium 46
NT1 scandium 47
NT1 scandium 48
NT1 selenium 72
NT1 selenium 75
NT1 silver 105
NT1 silver 106
NT1 silver 110
NT1 silver 111
NT1 strontium 82
NT1 strontium 83
NT1 strontium 85
NT1 strontium 89
NT1 sulfur 35
NT1 tantalum 177
NT1 tantalum 182
NT1 tantalum 183
NT1 technetium 95
NT1 technetium 96
NT1 technetium 97
NT1 tellurium 118
NT1 tellurium 119
NT1 tellurium 121
NT1 tellurium 123
NT1 tellurium 125
NT1 tellurium 127
NT1 tellurium 129
NT1 tellurium 131
NT1 tellurium 132
NT1 terbium 153
NT1 terbium 155
NT1 terbium 156
NT1 terbium 160
NT1 terbium 161
NT1 thallium 200
NT1 thallium 201
NT1 thallium 202
NT1 thorium 227
NT1 thorium 231
NT1 thorium 234
NT1 thulium 165
NT1 thulium 167
NT1 thulium 168
NT1 thulium 170
NT1 thulium 172
NT1 tin 113
NT1 tin 117
NT1 tin 119
NT1 tin 121
NT1 tin 123
NT1 tin 125
NT1 tungsten 178
NT1 tungsten 181
NT1 tungsten 185
NT1 tungsten 187
NT1 tungsten 188
NT1 uranium 230
NT1 uranium 231
NT1 uranium 237
NT1 vanadium 48
NT1 vanadium 49
NT1 xenon 127
NT1 xenon 129
NT1 xenon 131
NT1 xenon 133
NT1 ytterbium 166
NT1 ytterbium 169
NT1 ytterbium 175
NT1 yttrium 87
NT1 yttrium 88
NT1 yttrium 90
NT1 yttrium 91
NT1 zinc 65
NT1 zinc 72
NT1 zirconium 88
NT1 zirconium 89
NT1 zirconium 95
RT half-life
RT lifetime

DBP
UF *dibutyl phosphate*
*BT1 butyl phosphates

DC AMPLIFIERS
*BT1 amplifiers

dc resins
Use silicones

DC SYSTEMS
INIS: Mar 1992; ETDE: May 1976
(Direct-current electric power systems.)
*BT1 power systems
NT1 ehv dc systems
NT1 hvdc systems
NT1 uhv dc systems

dc to ac inverters
Use inverters

DC TO DC CONVERTERS
INIS: Jun 1983; ETDE: Aug 1975
UF *converters (electric)*
*BT1 electrical equipment
RT inverters
RT power conditioning circuits
RT power supplies
RT rectifiers
RT transformers

DCA REACTOR
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 tank type reactors
*BT1 zero power reactors

DCI ORSAY STORAGE RING
BT1 storage rings

DCTA
(Diaminocyclohexanetetraacetic acid)
UF *diaminocyclohexanetetraacetic acid*
*BT1 amino acids
BT1 chelating agents

dcx devices
Use magnetic mirrors

ddg
Use distillers dried grains

DDT
UF *dichlorodiphenyltrichloroethane*
*BT1 aromatics
*BT1 insecticides
*BT1 organic chlorine compounds
RT ethane

DE BROGLIE WAVELENGTH
BT1 wavelengths
RT quantum mechanics

DE-EXCITATION
BT1 energy-level transitions
NT1 radiationless decay
RT excitation
RT relaxation

DE HAAS-VAN ALPHEN EFFECT
RT diamagnetism

DE SITTER GROUP
*BT1 lie groups

DEACTIVATION
INIS: Apr 1984; ETDE: Apr 1975
RT chemical activation

DEAD SEA
INIS: Apr 1978; ETDE: Jan 1977
*BT1 lakes

DEAD TIME
UF *live time*
BT1 timing properties
RT sensitivity
RT time measurement
RT timing circuits

DEAERATORS
INIS: Apr 1984; ETDE: Oct 1982
(Devices that remove dissolved gases from liquids.)
RT aeration
RT boilers
RT dissolved gases
RT feedwater
RT water treatment

dealers
Use marketers

DEALKYLATION
BT1 chemical reactions

DEAMINATION
BT1 chemical reactions
RT amination

DEASHING
INIS: Jul 1992; ETDE: Jun 1975
RT ashes
RT cleaning
RT purification
RT removal

DEASPHALTING
INIS: Apr 2000; ETDE: May 1979
(The process of removing asphalt from petroleum fractions.)
*BT1 extraction

DEATH
RT cell killing
RT lethal irradiation
RT life span
RT mortality
RT supralethal irradiation

debits
See financial data

DEBRECEN CYCLOTRON
INIS: May 1985; ETDE: Jul 1985
(At ATOMKI, Debrecen, Hungary.)
UF *atomki cyclotron*
*BT1 isochronous cyclotrons

debris (nuclear)
Use fission products

DEBT COLLECTION
INIS: Apr 2000; ETDE: May 1983
RT accounting
RT administrative procedures
RT audits
RT interest rate
RT procurement

debye cutoff
Use debye length

DEBYE LENGTH
UF *debye cutoff*
UF *debye shield*
UF *debye shielding length*
*BT1 length
RT plasma density

DEBYE-SCHERRER METHOD
BT1 diffraction methods
RT powders
RT structural chemical analysis
RT x-ray diffraction

debye shield
Use debye length

debye shielding length
Use debye length

DEBYE TEMPERATURE
UF *temperature (debye)*
RT specific heat

DEBYE-WALLER FACTOR
RT diffraction
RT lattice vibrations

DEC COMPUTERS
INIS: Sep 1980; ETDE: Mar 1980
(Computers manufactured by Digital Equipment Corporation.)
UF *vax computers*
BT1 computers
NT1 pdp computers

DECA DEVICES
*BT1 magnetic mirrors

decahydronaphthalene
Use decalin

DECALIN
UF *decahydronaphthalene*
*BT1 cycloalkanes
RT naphthalene

decalso
Use ion exchange materials

DECANE
INIS: Apr 1984; ETDE: Jan 1975
*BT1 alkanes

DECANOIC ACID
UF *capric acid*
*BT1 monocarboxylic acids

DECANOLS
UF *decyl alcohols*
*BT1 alcohols

DECANTATION
BT1 separation processes
RT sedimentation

DECAPODS
INIS: Jul 1993; ETDE: Jun 1981
*BT1 crustaceans
NT1 crabs
NT1 lobsters
NT1 prawns
NT1 shrimp

DECARBONIZATION
RT carbonization
RT cleaning
RT decontamination

decarboxylase
Use decarboxylases

DECARBOXYLASES
INIS: Jun 1982; ETDE: Nov 1980
UF *decarboxylase*
*BT1 carboxy-lyases

DECARBOXYLATION
BT1 chemical reactions
RT carboxylation
RT lyases

DECARBURIZATION
INIS: Jun 1976; ETDE: Jun 1975
BT1 chemical reactions
RT austenite
RT carbides
RT carbon
RT carburization
RT heat treatments
RT steels

DECAY
(For nuclear or particle decay only. For chemical or biological decay, see DECOMPOSITION.)
UF *degradation (nuclear)*
UF *disintegration (nuclear)*
UF *fragments (decay)*
NT1 nuclear decay
NT2 alpha decay
NT2 beta decay
NT3 beta-minus decay
NT4 double beta decay
NT3 beta-plus decay
NT3 electron capture decay
NT4 k capture
NT4 l capture
NT4 m capture
NT2 gamma decay
NT2 heavy ion emission decay
NT3 carbon 12 emission decay
NT3 carbon 14 emission decay
NT3 carbon 16 emission decay
NT3 magnesium 28 emission decay
NT3 magnesium 30 emission decay
NT3 neon 24 emission decay
NT3 oxygen 16 emission decay
NT3 silicon 32 emission decay
NT3 silicon 34 emission decay
NT2 internal conversion
NT3 k conversion
NT3 l conversion
NT3 m conversion
NT2 proton-emission decay
NT2 spontaneous fission
NT1 particle decay
NT2 electromagnetic particle decay
NT2 hadronic particle decay
NT2 radiative decay
NT2 weak particle decay
NT3 leptonic decay
NT3 semileptonic decay
NT3 weak hadronic decay
RT angular correlation
RT branching ratio
RT delayed alpha particles
RT delayed gamma radiation
RT delayed neutrons
RT delayed protons
RT energy-level transitions
RT forbidden transitions
RT ft value
RT half-life
RT interactions
RT internal pair production
RT isomeric transitions
RT lifetime
RT mixing ratio
RT particle kinematics
RT radioisotope generators
RT selection rules

decay (biological)
Use decomposition

DECAY AMPLITUDES
*BT1 transition amplitudes

decay heat
See after-heat

decay heat removal
Use after-heat removal

DECAY INSTABILITY
*BT1 plasma instability
RT plasma macroinstabilities
RT plasma microinstabilities
RT plasma waves

decay products
Use daughter products

deceleration
Use acceleration

dechanneling
Use channeling

DECHLORINATION
*BT1 dehalogenation
RT chlorination

DECIDUOUS TREES
(Trees that show seasonal shedding of leaves.)
*BT1 trees

decimeter wave radiation (1-3 dm)
Use ghz range 01-100
AND radiowave radiation

decimeter wave radiation (3-10dm)
Use mhz range 100-1000
AND radiowave radiation

DECISION MAKING
INIS: Jan 1976; ETDE: Aug 1976
(For documents describing a formal process for reaching a decision, i.e., making a choice among alternatives, and its associated techniques, to establish policies or procedures. From September 1982 till March 1997 OPERATIONS RESEARCH was a valid ETDE descriptor.)
SF *operations research*
RT advisory committees
RT decision tree analysis
RT game theory
RT intervenors
RT planning
RT regional cooperation
RT time-series analysis

DECISION TREE ANALYSIS
RT control
RT decision making
RT planning

decisions and orders
See administrative procedures

DECK EFFECT
(Kinematic peak in the mass spectrum of resonance particles.)
RT kinetics
RT resonance particles

DECLADDING
BT1 head end processes
NT1 chemical decladding
NT1 mechanical decladding
RT cladding
RT fuel cans
RT fuel elements
RT reprocessing

DECLASSIFICATION
INIS: Jan 1993; ETDE: Mar 1983
UF *information declassification*
RT classified information
RT public information

DECOMMISSIONING
NT1 reactor decommissioning
RT cancellation
RT commissioning
RT remedial action
RT shutdown

DECOMPOSITION
UF *decay (biological)*
UF *degradation (chemical)*
UF *disintegration (biological)*
UF *disintegration (chemical)*
BT1 chemical reactions
NT1 autolysis
NT2 autoradiolysis
NT1 biodegradation
NT1 carbonization
NT2 coking
NT2 electrocarbonization
NT1 depolymerization
NT1 destructive distillation
NT1 glycolysis
NT1 hemolysis
NT1 photolysis
NT2 biophotolysis
NT1 proteolysis
NT2 fibrinolysis
NT1 pyrolysis
NT2 calcination
NT2 cracking
NT3 catalytic cracking
NT3 hydrocracking
NT3 thermal cracking
NT2 flash hydropyrolysis process
NT1 radiolysis
NT2 autoradiolysis
NT1 retorting
NT2 in-situ retorting
NT1 solvolysis
NT2 acetolysis
NT2 ammonolysis
NT2 hydrolysis
NT3 acid hydrolysis
NT3 alkaline hydrolysis
NT3 autohydrolysis
NT3 enzymatic hydrolysis
NT3 saccharification
NT3 saponification
RT aerobic conditions
RT anaerobic conditions
RT catabolism
RT composting
RT dissociation
RT nucleic acid denaturation
RT strand breaks
RT thermal gravimetric analysis
RT weathering

DECONTAMINATION
UF *radiation decontamination*
UF *radioactive decontamination*
UF+ *decontamination factor*
BT1 cleaning
RT bioadsorbents
RT chelating agents
RT clays
RT coolant cleanup systems
RT decarbonization
RT detergents
RT detoxification
RT lavage
RT life support systems
RT protective coatings
RT purification
RT radiation protection
RT remedial action
RT safety showers
RT scrubbing
RT surface cleaning
RT surface contamination
RT washout

decontamination factor
Use decontamination
AND efficiency

DECOUPLING
RT coupling
RT ft value

decyl alcohols
Use decanols

decylamine-tris
Use tda

DEDTC
UF *diethyldithiocarbamates*
*BT1 carbamates
BT1 chelating agents
*BT1 organic sulfur compounds

DEEP INELASTIC HEAVY ION REACTIONS
INIS: Aug 1978; ETDE: Oct 1978
UF *deep inelastic transfer reactions*
UF *strongly damped heavy ion reactions*
*BT1 heavy ion reactions
RT compound-nucleus reactions
RT heavy ion fusion reactions
RT incomplete fusion reactions
RT nuclear fragmentation
RT precompound-nucleus emission
RT quasi-fission

DEEP INELASTIC SCATTERING
INIS: Sep 1975; ETDE: Oct 1975
(Lepton-nucleon inelastic scattering involving an exchange of a virtual photon.)
*BT1 inelastic scattering
*BT1 lepton-nucleon interactions
RT boson-exchange models
RT emc effect
RT parton model
RT resonance scattering
RT virtual particles

deep inelastic transfer reactions
Use deep inelastic heavy ion reactions

DEEP LEVEL TRANSIENT SPECTROSCOPY
INIS: Jan 1984; ETDE: Apr 1983
(Means of obtaining Fourier components of transient response of deep energy levels in semiconductors.)
UF *dlts*
BT1 spectroscopy
RT capacitance
RT transients
RT traps

DEEP RIVER
*BT1 ontario

DEEP WATER OIL TERMINALS
INIS: Jun 1993; ETDE: Jan 1975
(Oil terminals located in deep water for supertankers.)
BT1 terminal facilities
RT moorings
RT tanker ships
RT transport

DEER
UF *caribou*
UF *mule deer*
UF *odocoileus*
UF *reindeer*
*BT1 ruminants
RT antlers

DEES
BT1 electrodes
RT cyclotrons
RT mass spectrometers

DEFECTS
(Not for the concept covered by CRYSTAL DEFECTS.)
UF *flaws*
UF *imperfections*
RT cracks
RT fracture mechanics
RT fractures
RT porosity
RT stress intensity factors
RT voids

defense
Use national defense

defense atomic support agency triga-mk-f
Use afrri reactor

defense production act
See national defense

DEFEROXAMINE
UF *dfa*
*BT1 amines
BT1 chelating agents

deficiency (nutritional)
Use nutritional deficiency

DEFORESTATION
INIS: Oct 1991; ETDE: Sep 1983
RT biomass
RT carbon cycle
RT forestry
RT forests
RT revegetation

DEFORMATION
(From January 1975 till May 1996 Portevin-le Chatelier effect was a valid ETDE descriptor.)
UF *buckling (structural)*
UF *portevin-le chatelier effect*
UF *structural buckling*
NT1 bending
NT1 bowing
NT1 corrosion denting
NT1 elongation
NT1 nuclear deformation
NT1 ratcheting
NT1 swelling
RT dilatancy
RT dynamic loads
RT elasticity
RT fractures
RT magnetostriction
RT materials working
RT mechanical properties
RT plasticity
RT rheology
RT slip
RT static loads
RT strains
RT torsion

DEFORMED NUCLEI
(Nuclei which are deformed even in the ground state.)
UF *nonaxial nuclei*
BT1 nuclei
NT1 superdeformed nuclei
RT aligned coupling scheme
RT backbending
RT cranking model
RT governor model
RT nuclear deformation
RT nuclear models
RT rotation-vibration model

DEFROSTING
INIS: Apr 2000; ETDE: Feb 1982
(Removal of frost or ice from an object.)
RT freezing
RT frost
RT ice
RT melting
RT thawing

DEGASSING
UF *outgassing*
RT castings
RT desorption
RT fission product release

degradation (chemical)
Use decomposition

degradation (energy)
Use energy losses

degradation (nuclear)
Use decay

degradation (radioinduced)
Use radiolysis

degradation (thermal)
Use thermal degradation

DEGREE DAYS
INIS: Jan 1993; ETDE: Sep 1975
BT1 units
RT air conditioning
RT climates
RT space heating
RT temperature measurement

DEGREES OF FREEDOM
INIS: Jul 1985; ETDE: Oct 1986
RT mechanics
RT statistics
RT thermodynamics
RT variations

DEHALOGENATION
INIS: Oct 1982; ETDE: Nov 1982
BT1 chemical reactions
NT1 dechlorination
NT1 deiodination

dehpa
See hdehp
OR phosphonic acid esters

dehumidification
See dehydration
OR drying

DEHUMIDIFIERS
INIS: Apr 1984; ETDE: Jun 1977
RT desiccants
RT dryers
RT electric appliances
RT humidifiers

DEHYDRATION
(From December 1978 to February 1997 DEHUMIDIFICATION was a valid ETDE descriptor.)
SF *dehumidification*
RT desiccants
RT drying
RT evaporation
RT water removal

dehydrators
Use dryers

DEHYDRIDATION
INIS: Dec 1979; ETDE: Jun 1978
BT1 chemical reactions
RT hydridation
RT hydrogen

DEHYDROCYCLIZATION
INIS: Jun 1985; ETDE: Apr 1983
UF *condensation (organic compounds)*
BT1 chemical reactions

dehydroepiandrosterone
Use hydroxyandrostenone

dehydrogenases
Use oxidoreductases

DEHYDROGENATION
BT1 chemical reactions
RT deuteration
RT hydrogenation

DEIODINATION
*BT1 dehalogenation
RT iodination

dekatrons
Use counting tubes

DELAWARE
*BT1 usa
RT delaware bay
RT delaware river
RT us east coast

DELAWARE BAY
INIS: Jan 1992; ETDE: Sep 1978
*BT1 atlantic ocean
*BT1 bays
RT delaware

DELAWARE RIVER
*BT1 rivers
RT delaware
RT new jersey
RT new york
RT pennsylvania

DELAY CIRCUITS
BT1 electronic circuits
RT pulse techniques

DELAYED ALPHA PARTICLES
*BT1 alpha particles
RT alpha decay
RT decay

DELAYED GAMMA RADIATION
*BT1 gamma radiation
RT decay
RT nuclear reactions
RT photons

DELAYED NEUTRON ANALYSIS
INIS: Jan 1977; ETDE: Apr 1977
*BT1 nondestructive analysis
*BT1 nuclear reaction analysis
RT delayed neutrons
RT nuclear reaction analyzers

DELAYED NEUTRON FRACTION
RT delayed neutrons

DELAYED NEUTRON PRECURSORS
UF *precursors (delayed neutron)*
UF *precursors (delayed neutrons)*
*BT1 radioisotopes
RT beta-delayed neutrons
RT delayed neutrons

DELAYED NEUTRONS
(For fission neutrons only. For delayed neutrons not resulting from fission, see

BETA-DELAYED NEUTRONS. (Scope note added in 1985.)
*BT1 fission neutrons
RT decay
RT delayed neutron analysis
RT delayed neutron fraction
RT delayed neutron precursors
RT reactor kinetics

DELAYED PROTON PRECURSORS
INIS: Oct 1976; ETDE: Dec 1976
UF *precursors (delayed proton)*
UF *precursors (delayed protons)*
*BT1 radioisotopes
RT delayed protons
RT neutron-deficient isotopes

DELAYED PROTONS
UF *beta-delayed protons*
*BT1 protons
RT beta-plus decay
RT decay
RT delayed proton precursors
RT electron capture decay
RT neutron-deficient isotopes

DELAYED RADIATION EFFECTS
UF *chronic radiation effects*
UF *late radiation effects*
UF+ *delayed radiation injuries*
*BT1 biological radiation effects
RT a-bomb survivors
RT congenital malformations
RT dose commitments
RT early radiation effects
RT genetic radiation effects
RT latency period
RT medical surveillance
RT neoplasms
RT radiation syndrome
RT time dependence

delayed radiation injuries
Use delayed radiation effects
AND radiation injuries

DELBRUECK SCATTERING
*BT1 inelastic scattering

deletions (chromosomal)
Use chromosomal aberrations

delft hoger onderwijs reactor
Use hor reactor

DELIGNIFICATION
INIS: Sep 1992; ETDE: Jun 1978
(Removal of lignin by either enzymatic or chemical means.)
RT cellulose
RT lignin
RT plant cells
RT wood

DELIVERY
INIS: Dec 1985; ETDE: Jul 1978
RT agreements
RT contracts
RT materials handling
RT postal services
RT transport

DELORO STELLITE 6
INIS: May 1984; ETDE: Jul 1984
UF *stellite 6 (deloro)*

DELPHI METHOD
INIS: Apr 2000; ETDE: Aug 1976
BT1 forecasting
RT management
RT planning
RT technology assessment

delphinium
Use ranunculaceae

DELTA-1232 BARYONS
(Prior to December 1987 this concept was indexed by DELTA-1236 RESONANCES.)
UF *delta-1236 resonances*
*BT1 delta baryons

delta-1236 resonances
Use delta-1232 baryons

DELTA-1600 BARYONS
(Prior to December 1987 this concept was indexed by DELTA-1650 RESONANCES.)
UF *delta-1650 resonances*
*BT1 delta baryons

DELTA-1620 BARYONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 delta baryons

delta-1650 resonances
Use delta-1600 baryons

delta-1670 resonances
Use delta-1700 baryons

DELTA-1700 BARYONS
(Prior to December 1987 this concept was indexed by DELTA-1670 RESONANCES.)
UF *delta-1670 resonances*
*BT1 delta baryons

delta-1877 resonances
See n*baryons

delta-1890 resonances
Use delta-1900 baryons

DELTA-1900 BARYONS
(Prior to December 1987 this concept was indexed by DELTA-1890 RESONANCES.)
UF *delta-1890 resonances*
*BT1 delta baryons

DELTA-1905 BARYONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 delta baryons

DELTA-1910 BARYONS
(Prior to December 1987 this concept was indexed by DELTA-1910 RESONANCES.)
UF *delta-1910 resonances*
*BT1 delta baryons

delta-1910 resonances
Use delta-1910 baryons

DELTA-1920 BARYONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 delta baryons

DELTA-1930 BARYONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 delta baryons

DELTA-1950 BARYONS
(Prior to December 1987 this concept was indexed by DELTA-1950 RESONANCES.)
UF *delta-1950 resonances*
*BT1 delta baryons

delta-1950 resonances
Use delta-1950 baryons

delta-1960 resonances
Use delta baryons

DELTA-2000 BARYONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 delta baryons

DELTA-2150 BARYONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 delta baryons

DELTA-2200 BARYONS
(Prior to December 1987 this concept was indexed by DELTA-2200 RESONANCES.)
UF *delta-2200 resonances*
*BT1 delta baryons

delta-2200 resonances
Use delta-2200 baryons

DELTA-2400 BARYONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 delta baryons

DELTA-2420 BARYONS
(Prior to December 1987 this concept was indexed by DELTA-2420 RESONANCES.)
UF *delta-2420 resonances*
*BT1 delta baryons

delta-2420 resonances
Use delta-2420 baryons

delta-2850 resonances
Use delta baryons

DELTA-3000 BARYONS
(Prior to December 1987 this concept was indexed by DELTA-3230 RESONANCES.)
UF *delta-3230 resonances*
*BT1 delta baryons

delta-3230 resonances
Use delta-3000 baryons

delta-966 resonances
Use a0-980 mesons

DELTA BARYONS
INIS: Dec 1987; ETDE: Feb 1988
UF *delta-1960 resonances*
UF *delta-2850 resonances*
*BT1 n*baryons
NT1 delta-1232 baryons
NT1 delta-1600 baryons
NT1 delta-1620 baryons
NT1 delta-1700 baryons
NT1 delta-1900 baryons
NT1 delta-1905 baryons
NT1 delta-1910 baryons
NT1 delta-1920 baryons
NT1 delta-1930 baryons
NT1 delta-1950 baryons
NT1 delta-2000 baryons
NT1 delta-2150 baryons
NT1 delta-2200 baryons
NT1 delta-2400 baryons
NT1 delta-2420 baryons
NT1 delta-3000 baryons

DELTA FUNCTION
UF *dirac delta function*
BT1 functions
RT schwinger terms

DELTA RAYS
BT1 radiations
RT electrons
RT ionizing radiations
RT recoils

delta resonances (baryon)
Use n*baryons

delta resonances (meson)
Use mesons

DEMAGNETIZATION
INIS: Sep 1977; ETDE: Oct 1977
NT1 adiabatic demagnetization
RT magnetic fields
RT magnetism
RT magnetization
RT magnets

demagnetization (adiabatic)
Use adiabatic demagnetization

DEMAND
INIS: Dec 1985; ETDE: Feb 1980
NT1 energy demand
NT1 power demand
NT1 uranium requirements
NT1 water requirements
RT availability
RT energy consumption
RT fuel consumption
RT fuel supplies
RT supply and demand

DEMAND FACTORS
INIS: Dec 1985; ETDE: Feb 1975
(Ratios of the maximum demand to the total connected load.)
RT electric power
RT energy consumption
RT energy demand
RT power demand
RT supply and demand

demand limiters
Use current limiters

DEMBER EFFECT
RT charge carriers

demerol
Use pethidine

demesmaekerite
Use oxide minerals
AND uranium minerals

DEMETALLIZATION
INIS: Mar 1982; ETDE: May 1976
BT1 separation processes

DEMINERALIZATION
(Water softening by use of zeolites or resins to remove cations.)
BT1 separation processes
NT1 desalination
RT demineralizers
RT distillation
RT feedwater
RT ion exchange
RT water chemistry

DEMINERALIZERS
RT demineralization
RT reactor cooling systems
RT water

DEMOCRATIC REPUBLIC OF THE CONGO
(Until August 1997 this was known as ZAIRE REPUBLIC)
UF *congo democratic republic*
UF *republic of zaire*
UF *zaire republic*
BT1 africa
BT1 developing countries
NT1 kinshasa

DEMOCRITUS REACTOR
(Greek Atomic Energy Commission, Demokritos, Greece)
UF *greek research reactor*
UF *grr reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

demography
Use human populations

DEMOLITION
NT1 reactor dismantling

DEMONSTRATION PLANTS
INIS: Nov 1982; ETDE: Jan 1977
(Plants designed to establish the technical and financial feasibility of technologies proven by pilot plant testing.)
RT bench-scale experiments
RT field tests
RT industrial plants
RT pilot plants
RT process development units

DEMONSTRATION PROGRAMS
INIS: Dec 1985; ETDE: Dec 1976
RT commercialization
RT experiment planning
RT planning
RT program management
RT research programs
RT us national program plans

DEMULSIFICATION
INIS: Oct 1992; ETDE: Apr 1976
RT demulsifiers
RT emulsification
RT emulsifiers
RT emulsions

DEMULSIFIERS
INIS: Oct 1992; ETDE: Jan 1996
BT1 additives
RT demulsification
RT emulsification
RT emulsifiers
RT emulsions

denaturation (nucleic acid)
Use nucleic acid denaturation

denaturation (protein)
Use protein denaturation

DENATURED FUEL
INIS: May 1978; ETDE: Jan 1978
(Fuel which has been diluted or spiked so that it is not suitable for weapons use.)
*BT1 nuclear fuels
RT proliferation
RT safeguards

DENDRITES
BT1 crystals
RT dendritic web growth method

DENDRITIC WEB GROWTH METHOD
INIS: Apr 2000; ETDE: Feb 1980
(Self-shaping crystal growth method where the crystal is produced directly from the melt without the use of dies or shapers.)
UF *web growth method*
BT1 crystal growth methods
RT crystal growth
RT dendrites
RT monocrystals
RT sheets

denelcor computers
Use computers

DENITRATION
BT1 chemical reactions
RT nitric acid
RT reprocessing

DENITRIFICATION
INIS: Mar 1992; ETDE: Jan 1975
SF *hitachi zosen process*
BT1 chemical reactions
NT1 combined soxnox processes
NT2 noxso process
NT1 selective catalytic reduction
RT nitrification
RT nitrogen
RT nitrogen compounds
RT shell-uop copper oxide process
RT solinox process

DENMARK
BT1 developed countries
*BT1 scandinavia
RT faeroe islands
RT greenland
RT oecd

DENSIMETERS
BT1 measuring instruments
NT1 pycnometers
RT density
RT radiometric gages
RT sedimentometers
RT weight indicators

DENSITOMETERS
*BT1 photometers
RT photometry

DENSITY
(For specific weight only; see also descriptors such as CARRIER DENSITY. CURRENT DENSITY, and FLUX DENSITY.)
UF *specific gravity*
UF *specific volume*
UF *specific weight*
BT1 physical properties
NT1 api gravity
NT1 bulk density
RT densimeters
RT fuel densification
RT jigs
RT mass distribution
RT stopping power
RT weight

density (carrier)
Use carrier density

density (charge)
Use charge density

density (current)
Use current density

density (electron)
Use electron density

density (energy-level)
Use energy-level density

density (energy)
Use energy density

density (flux)
Use flux density

density (grain)
Use grain density

density (ion)
Use ion density

density (neutron)
Use neutron density

density (plasma)
Use plasma density

density (population)
Use population density

density (power)
Use power density

density (proton)
Use proton density

density (spectral)
Use spectral density

DENSITY FUNCTIONAL METHOD
INIS: Feb 2001; ETDE: Nov 1999
*BT1 variational methods
RT electron correlation
RT functionals
RT many-body problem

density log
Use gamma-gamma logging

DENSITY MATRIX
BT1 matrices
RT mathematical operators
RT quantum mechanics

DENTIN
RT bone tissues
RT teeth

denting (corrosion)
Use corrosion denting

DENTISTRY
BT1 medicine
RT caries
RT teeth

deoxidation
Use reduction

DEOXYCYTIDINE
UF+ *deoxycytidinuria*
*BT1 nucleosides
*BT1 pyrimidines
RT cytidine

deoxycytidinuria
Use deoxycytidine
AND urine

deoxycytidylic acid
Use nucleotides

deoxypentose nucleic acid
Use dna

deoxyribonuclease
Use dna-ase

deoxyribonucleic acid
Use dna

DEOXYRIBOSE
*BT1 aldehydes
*BT1 pentoses
RT ribosides

DEOXYURIDINE
*BT1 antimetabolites
*BT1 nucleosides
*BT1 uracils
RT budr
RT fudr
RT iododeoxyuridine

department of defense
Use us dod

department of interior
Use us doi

department of transportation
Use us dot

DEPARTURE NUCLEATE BOILING
UF *critical heat flow*
UF *dnb*
*BT1 nucleate boiling

DEPHENOLIZATION
INIS: Apr 2000; ETDE: Mar 1976
BT1 chemical reactions
RT phenols

DEPLETED URANIUM
*BT1 uranium
RT fuel cycle

depletion (isotopic)
Use isotope separation

depletion (nuclear fuels)
Use burnup

depletion allowances
Use us depletion allowances

DEPLETION LAYER
INIS: May 1992; ETDE: Mar 1980
(An electric double layer formed at the surface of contact between a metal and a semiconductor having different work functions.)
UF *blocking layer*
UF *space-charge layer*
SF *barrier layer*
BT1 layers
RT semiconductor devices
RT semiconductor materials
RT solar cells
RT surface barrier detectors
RT surface barrier transistors

DEPOLARIZATION
RT polarization

DEPOLYMERIZATION
*BT1 decomposition
RT molecular weight
RT polymerization

DEPOSITION
(For the laying down of a substance on a surface; for deposition of elements and nuclides in tissues of living organisms use RETENTION.)
UF *dry deposition*
NT1 surface coating
NT2 chemical coating
NT3 chemical vapor deposition
NT3 electrochemical coating
NT4 anodization
NT2 cladding
NT2 diffusion coating
NT2 dip coating
NT3 hot dipping
NT2 electrodeposition
NT3 electroplating
NT2 energy beam deposition
NT2 physical vapor deposition
NT2 plating
NT3 electroplating
NT3 vapor plating
NT2 screen printing
NT2 spin-on coating
NT2 spray coating
NT3 flame spraying
NT3 plasma arc spraying
NT2 vacuum coating
RT adsorption
RT deposits
RT fouling
RT masking
RT precipitation
RT retention
RT scaling
RT sputtering
RT thin films

deposition (gravitational)
Use sedimentation

DEPOSITS
RT antifoulants
RT coatings
RT deposition
RT fouling

deposits (geological)
Use geologic deposits

DEPRECIATION
INIS: Feb 1992; ETDE: Sep 1979
RT economics
RT financial incentives
RT financing

depressants (central nervous system)
Use central nervous system depressants

DEPRESSURIZATION
RT depressurization systems
RT pressure vessels
RT pressurization
RT reactor safety

DEPRESSURIZATION SYSTEMS
INIS: Dec 1985; ETDE: Jan 1975
RT depressurization
RT eccs
RT pressure vessels
RT reactor protection systems

DEPTH
(For elevation use LEVELS.)
UF+ *depth distribution*
BT1 dimensions
NT1 depth 1-3 km
NT1 depth 3-6 km
NT1 depth 6-9 km
NT1 depth 9-12 km

DEPTH 1-3 KM
INIS: Apr 2000; ETDE: Dec 1978
*BT1 depth

DEPTH 3-6 KM
INIS: Apr 2000; ETDE: Dec 1978
*BT1 depth

DEPTH 6-9 KM
INIS: Apr 2000; ETDE: Dec 1978
*BT1 depth

DEPTH 9-12 KM
INIS: Apr 2000; ETDE: Dec 1978
*BT1 depth

depth distribution
Use depth
AND spatial distribution

DEPTH DOSE DISTRIBUTIONS
UF *depth doses*
*BT1 spatial dose distributions
RT buildup
RT isodose curves
RT phantoms
RT radiotherapy
RT range

depth doses
Use depth dose distributions

derby zpr neptune
Use neptune reactor

DEREGULATION
INIS: Dec 1985; ETDE: Jan 1978
RT economic policy
RT economics
RT government policies
RT natural gas
RT petroleum
RT pricing regulations
RT regulations
RT us natural gas policy act

DERIVATIZATION
INIS: Apr 1992; ETDE: Nov 1980
(Conversion of a chemical compound into a derivative, usually for the purpose of identification.)
BT1 chemical reactions
RT chemical analysis
RT structural chemical analysis

DERMATITIS
*BT1 skin diseases
NT1 radiodermatitis

DESALINATION
(Any process for making potable water from sea water or other saline waters.)
*BT1 demineralization
RT desalination plants
RT desalination reactors
RT distillation
RT dual-purpose power plants
RT evaporators
RT freezing out
RT ion exchange
RT salinity
RT salts
RT seawater

DESALINATION PLANTS
INIS: Apr 1986; ETDE: Aug 1977
BT1 industrial plants
RT desalination
RT desalination reactors
RT dual-purpose power plants
RT seawater

DESALINATION REACTORS
BT1 reactors
NT1 bn-350 reactor
RT desalination
RT desalination plants
RT power reactors

DESCALING
BT1 surface finishing
RT scale control
RT scaling
RT scrubbing
RT shot peening
RT surface cleaning

desertron
Use superconducting super collider

DESERTS
BT1 arid lands
RT climates
RT sand
RT terrestrial ecosystems

DESICCANTS
INIS: Dec 1985; ETDE: Jan 1975
RT dehumidifiers
RT dehydration
RT dryers
RT drying
RT resins
RT zeolites

DESIGN
INIS: Oct 1991; ETDE: Apr 1975
(For conceptual design only; use of a more specific descriptor is recommended.)
UF+ *design reports*
NT1 computer-aided design
RT diagrams
RT engineering drawings
RT feasibility studies
RT planning
RT specifications

design (technical drawings)
Use diagrams

design (technical specifications)
Use specifications

DESIGN BASIS ACCIDENTS
*BT1 reactor accidents
NT1 atws
NT1 maximum credible accident

design reports
Use design
AND safety reports

desiodothyroxine
Use thyronine

desonox process
Use combined soxnox processes

desorex process
Use desulfurization

DESORPTION
BT1 sorption
RT adsorption
RT degassing
RT fission product release

desoxycorticosterone acetate
Use mineralocorticoids

desoxyribonucleic acid
Use dna

destructive chemical analysis
Use chemical analysis

DESTRUCTIVE DISTILLATION
INIS: Apr 2000; ETDE: Oct 1975
*BT1 decomposition
*BT1 distillation
RT pyrolysis
RT retorting

DESTRUCTIVE TESTING
*BT1 materials testing
NT1 charpy test
RT impact tests
RT mechanical properties
RT post-irradiation examination

destrugas process
See waste processing

DESULFOVIBRIO
INIS: Jun 1993; ETDE: Nov 1981
(Genus of strict anaerobes which reduce sulfates to hydrogen sulfide.)
*BT1 sulfate-reducing bacteria

DESULFURIZATION
UF *ai aqueous carbonate process*
UF *alkazid process*
UF *ames wet oxidation process*
UF *amisol process*
UF *amoco cba process*
UF *amoco sulfur recovery process*
UF *aquaclaus process*
UF *aqueous carbonate process*
UF *as recycling process*
UF *atomics international aqueous carbonate process*
UF *bergbauforschung-foster wheeler process*
UF *bf-wf process*
UF *bom-erda process*
UF *carl still process*
UF *cat-ox process*
UF *catacarb carbon dioxide removal process*
UF *catacarb process*
UF *catalytic-ifp ammonia scrubbing process*
UF *cba process*
UF *chemico process*
UF *chemsweet process*
UF *cleanair process*
UF *conoco process*
UF *czd process*
UF *davy s-h process*
UF *desorex process*
UF *diamox process*
UF *dowa process*
UF *ferrox process*
UF *fluor econamine process*
UF *fluor solvent process*
UF *fulham-simon-carves process*
UF *fumaks process*
UF *ge process*
UF *girdler-girbotol process*
UF *gravichem process*
UF *grillo process*
UF *haines process*
UF *hazen process*
UF *hipure process*
UF *hirohax process*
UF *hoelter process*
UF *ici process*
UF *ifp process*
UF *igt dehydrodesulfurization process*
UF *ionics electrolytic regeneration process*
UF *koppers vacuum carbonate process*
UF *kureha acetate process*
UF *kvb process*
UF *lucas process*
UF *magnex process*
UF *mining research method*
UF *molten carbonate process*
UF *petit process*
UF *phosphate process*
UF *pircon-peck process*
UF *pittsburgh oxydesulfurization process*
UF *purasiv s process*
UF *reinluft process*
UF *seaboard process*
UF *snpa-dea process*
UF *stauffer aquaclaus process*
UF *sulfox process*
UF *thylox process*
UF *topsoe-snpa process*
UF *tyco process*
UF *unicracking/hds process*

UF *westvaco process*
UF+ *citrex process*
UF+ *jecco process*
SF *syracuse chemical comminution process*
SF *townsend process*
BT1 chemical reactions
NT1 adip process
NT1 alkalized alumina process
NT1 ammonia-ammonium bisulfate process
NT1 battelle hydrothermal coal process
NT1 beavon process
NT1 benfield process
NT1 bergbauforschung process
NT1 cafb process
NT1 cea-adl dual alkali process
NT1 chiyoda thoroughbred process
NT1 citrate process
NT1 claus process
NT1 cng process
NT1 combined soxnox processes
NT2 noxso process
NT1 consol fgd process
NT1 fmc double alkali process
NT1 giammarco vetrocoke sulfur process
NT1 girbotol process
NT1 gravimelt process
NT1 gulf hds process
NT1 holmes-stretford process
NT1 jpl process
NT1 ledgemont process
NT1 lime-limestone wet scrubbing processes
NT2 bischoff process
NT1 magnesium slurry scrubbing process
NT1 meyers process
NT1 molecular sieve process
NT1 otto process
NT1 penelec process
NT1 perox process
NT1 purisol process
NT1 rectisol process
NT1 resox process
NT1 ric process
NT1 saarberg-holter process
NT1 scot process
NT1 selexol process
NT1 shell-uop copper oxide process
NT1 solinox process
NT1 sorbent injection processes
NT1 soxal process
NT1 stone and webster ionics process
NT1 stretford process
NT1 sulf-x process
NT1 sulfiban process
NT1 sulfinol process
NT1 sulfreen process
NT1 takahax process
NT1 thiosorbic process
NT1 trw process
NT1 ucap process
NT1 unisulf process
NT1 vacuum carbonate process
NT1 w-l sulfur dioxide recovery process
NT1 walther process
RT air pollution abatement
RT catalytic hydrosolvation process
RT dry scrubbers
RT hot gas cleanup
RT rhodococcus
RT sulfate-reducing bacteria
RT sulfur-oxidizing bacteria
RT thiobacillus oxidans
RT us clean coal technology program

DESY

(Deutsches Elektronen Synchrotron)
UF *hamburg synchrotron*
*BT1 synchrotrons

DETAILED BALANCE PRINCIPLE

*BT1 t invariance
RT cross sections
RT hamiltonians
RT nuclear reactions
RT s matrix
RT scattering

DETECTION

INIS: Sep 1983; ETDE: Mar 1979
NT1 boiling detection
NT1 crime detection
NT1 failed element detection
NT1 fuel motion detection
NT1 nuclear explosion detection
NT1 radiation detection
NT2 charged particle detection
NT3 acoustic detection
NT3 alpha detection
NT3 beta detection
NT3 electron detection
NT3 ion detection
NT3 muon detection
NT3 positron detection
NT3 proton detection
NT2 cosmic ray detection
NT2 fission fragment detection
NT2 gamma detection
NT2 kaon detection
NT2 neutrino detection
NT2 neutron detection
NT2 pion detection
NT2 x-ray detection
NT1 seismic detection
NT2 in-country detection
RT control
RT intrusion detection systems
RT monitoring
RT motion detection systems
RT nuclear materials diversion
RT nuclear materials management
RT safeguards

detection (failed element)

Use failed element detection

detection (nuclear explosions)

Use nuclear explosion detection

detection (radiation)

Use radiation detection

detection (seismic)

Use seismic detection

detection limits

Use sensitivity

detectors (radiation)

Use radiation detectors

DETERGENTS

SF *chemicals*
*BT1 emulsifiers
*BT1 wetting agents
NT1 pluronics
RT cleaning
RT decontamination
RT soaps
RT xenobiotics

determination (chemical)

Use chemical analysis

DETONATION LIMITS

INIS: Jun 2000; ETDE: Jan 1977
(Bounds on regions of stable detonation.)
RT chemical explosives

DETONATION WAVES

(Shock waves caused by release of chemical energy through chemical reactions.)
BT1 shock waves
RT combustion
RT combustion waves
RT explosions
RT ignition

detonations

Use explosions

DETONATORS

(From October 1979 till February 1997 FUSES was a valid ETDE descriptor.)
UF *fuses (detonators)*
UF *fuzes*
RT exploding wires
RT explosions

DETOXIFICATION

INIS: Apr 1984; ETDE: Mar 1981
RT biochemical reaction kinetics
RT decontamination
RT hazardous materials
RT toxic materials
RT toxicity
RT toxins

DETRITUS

INIS: Jun 1993; ETDE: Aug 1977
(Loose material (as rock fragments or organic particles) that results directly from disintegration.)
RT biodegradation
RT environmental materials
RT sediments

DETROIT RIVER

INIS: Apr 2000; ETDE: Jan 1975
*BT1 rivers
RT michigan

deus

Use cogeneration

DEUTERATION

BT1 chemical reactions
RT dehydrogenation
RT hydrogenation

DEUTERIDES

INIS: Feb 1976; ETDE: May 1975
*BT1 deuterium compounds
NT1 hydrogen deuteride
NT1 lithium deuterides

DEUTERIUM

UF *hydrogen 2*
*BT1 hydrogen isotopes
*BT1 light nuclei
*BT1 odd-odd nuclei
*BT1 stable isotopes
RT deuterons
RT hydrogen deuteride
RT thermonuclear fuels

DEUTERIUM COMPOUNDS

UF+ *dto*
BT1 hydrogen compounds
NT1 deuterides
NT2 hydrogen deuteride
NT2 lithium deuterides
NT1 deuterium tritide
NT1 heavy water

deuterium hydride

Use hydrogen deuteride

DEUTERIUM IONS

*BT1 ions

RT d-t operation

deuterium-lithium high flux neutron source facility
Use neutron source facilities

deuterium moderated pile low energy
Use dimple reactor

deuterium oxide
Use heavy water

DEUTERIUM TARGET
UF *deuteron target*
UF+ *deuteron-deuteron interactions*
UF+ *lepton-deuteron interactions*
UF+ *meson-deuteron interactions*
BT1 targets

DEUTERIUM TRITIDE
INIS: Feb 1976; ETDE: May 1979
*BT1 deuterium compounds
*BT1 tritides
RT muon-catalyzed fusion

DEUTERON BEAMS
*BT1 ion beams
RT deuterons

deuteron-deuteron interactions
Use deuterium target
AND deuteron reactions

DEUTERON MICROPROBE ANALYSIS
INIS: Jul 1981; ETDE: Aug 1981
BT1 microanalysis
*BT1 nondestructive analysis
RT deuteron probes

DEUTERON PROBES
INIS: Jul 1981; ETDE: Aug 1981
BT1 probes
RT deuteron microprobe analysis
RT deuteron sources
RT ion probes

DEUTERON REACTIONS
UF+ *deuteron-deuteron interactions*
*BT1 charged-particle reactions
NT1 antideuteron reactions

DEUTERON SOURCES
*BT1 particle sources
RT deuteron probes
RT deuterons

DEUTERON SPECTRA
BT1 spectra
RT deuterons

deuteron target
Use deuterium target

DEUTERONS
BT1 charged particles
NT1 antideuterons
RT deuterium
RT deuteron beams
RT deuteron sources
RT deuteron spectra

DEVELOPED COUNTRIES
INIS: Dec 1982; ETDE: Mar 1978
UF *industrialized countries*
NT1 australia
NT2 new south wales
NT2 northern territory
NT2 queensland
NT2 south australia
NT2 tasmania
NT2 victoria
NT2 western australia
NT1 austria
NT1 belgium
NT1 canada
NT2 alberta
NT2 british columbia
NT2 manitoba
NT2 new brunswick
NT2 newfoundland
NT2 northwest territories
NT2 nova scotia
NT2 ontario
NT3 chalk river
NT3 deep river
NT3 elliot lake
NT2 prince edward island
NT2 quebec
NT2 saskatchewan
NT2 yukon territory
NT1 denmark
NT1 federal republic of germany
NT1 finland
NT1 france
NT1 ireland
NT1 italy
NT2 appennines
NT2 sicily
NT1 japan
NT2 hachimantai
NT2 hiroshima
NT2 nagasaki
NT1 luxembourg
NT1 monaco
NT1 netherlands
NT1 new zealand
NT1 norway
NT1 san marino
NT1 south africa
NT2 transvaal
NT1 sweden
NT1 switzerland
NT1 united kingdom
NT1 usa
NT2 alabama
NT2 alaska
NT2 american samoa
NT2 arizona
NT2 arkansas
NT2 california
NT3 brawley geothermal field
NT3 coso hot springs
NT3 los angeles
NT2 colorado
NT3 mahogany zone
NT3 sand wash basin
NT2 connecticut
NT2 delaware
NT2 florida
NT3 cape kennedy
NT2 georgia
NT3 atlanta
NT2 great basin
NT2 hawaii
NT2 idaho
NT2 illinois
NT3 chicago
NT2 indiana
NT2 iowa
NT2 kansas
NT2 kentucky
NT2 louisiana
NT2 maine
NT2 maryland
NT2 massachusetts
NT2 michigan
NT2 minnesota
NT2 mississippi
NT2 missouri
NT2 montana
NT3 powder river basin
NT2 nebraska
NT2 nevada
NT3 steamboat springs
NT3 tonopah test range
NT2 new hampshire
NT2 new jersey
NT2 new mexico
NT3 los alamos
NT2 new york
NT3 new york city
NT2 north carolina
NT2 north dakota
NT2 ohio
NT3 cleveland
NT2 oklahoma
NT2 oregon
NT3 mt hood
NT2 pennsylvania
NT3 pittsburgh
NT2 puerto rico
NT2 rhode island
NT2 south carolina
NT2 south dakota
NT3 table mountain area
NT2 tennessee
NT3 chattanooga
NT3 oak ridge
NT2 texas
NT2 us east coast
NT2 us gulf coast
NT2 us west coast
NT2 utah
NT3 roosevelt hot springs
NT2 vermont
NT2 virgin islands
NT2 virginia
NT2 washington
NT3 richland
NT2 washington dc
NT2 west virginia
NT2 wisconsin
NT2 wyoming
NT3 powder river basin
NT3 rock springs sites
NT3 washakie basin
RT developing countries
RT economic development
RT oil-exporting countries
RT technology utilization

DEVELOPERS
UF+ *amidol*
SF *chemicals*
NT1 pyrocatechol
NT1 pyrogallol
NT1 resorcinol
RT photography

DEVELOPING COUNTRIES
NT1 afghanistan
NT1 albania
NT1 algeria
NT1 angola
NT1 argentina
NT2 mendoza
NT1 bahama islands
NT1 bahrain
NT1 bangladesh
NT1 belize
NT1 bhutan
NT1 bolivia
NT2 chacaltaya
NT1 botswana
NT1 brazil
NT1 bulgaria
NT1 burkina faso

NT2 upper volta
NT1 burundi
NT1 cameroon
NT1 central african republic
NT1 chad
NT1 chile
NT1 colombia
NT1 congo peoples republic
NT2 brazzaville
NT1 costa rica
NT1 cote d'ivoire
NT1 cuba
NT1 czech republic
NT1 democratic republic of the congo
NT2 kinshasa
NT1 dominican republic
NT1 ecuador
NT1 egyptian arab republic
NT1 el salvador
NT1 eritrea
NT1 ethiopia
NT1 gabon
NT1 gambia
NT1 ghana
NT1 greece
NT1 guatemala
NT1 guyana
NT1 haiti
NT1 honduras
NT1 hungary
NT1 iceland
NT1 india
NT1 indonesia
NT1 iran
NT1 iraq
NT1 israel
NT1 jamaica
NT1 jordan
NT1 kazakhstan
NT1 kenya
NT1 kuwait
NT1 laos
NT1 lebanon
NT1 lesotho
NT1 liberia
NT1 libyan arab jamahiriya
NT1 madagascar
NT2 malagasy republic
NT1 malawi
NT1 malaysia
NT1 mali
NT1 mauritania
NT1 mexico
NT1 morocco
NT1 mozambique
NT1 myanmar
NT1 nepal
NT1 nicaragua
NT1 niger
NT1 nigeria
NT1 north korea
NT1 oman
NT1 pakistan
NT1 panama
NT1 paraguay
NT1 peru
NT1 philippines
NT1 poland
NT1 portugal
NT2 azores islands
NT1 qatar
NT1 republic of korea
NT1 republic of seychelles
NT1 romania
NT1 rwanda
NT1 saint lucia
NT1 saint vincent and the grenadines
NT1 saudi arabia
NT1 senegal
NT1 sierra leone
NT1 singapore
NT1 slovakia
NT1 somalia
NT1 spain
NT2 canary islands
NT1 sri lanka
NT1 sudan
NT1 surinam
NT1 swaziland
NT1 syria
NT1 thailand
NT1 the former yugoslav republic of macedonia
NT1 togo
NT1 tunisia
NT1 turkey
NT1 uganda
NT1 united republic of tanzania
NT1 uruguay
NT1 venezuela
NT1 viet nam
NT1 yemen
NT1 yugoslavia
NT1 zambia
NT1 zimbabwe
NT2 southern rhodesia
RT developed countries
RT industry
RT input-output analysis
RT oil-exporting countries
RT oil-importing countries
RT rural energy centers
RT technology transfer

devices
Use equipment

DEVOLATILIZATION
INIS: Feb 1993; ETDE: Feb 1978
RT volatile matter
RT volatility

DEVONIAN PERIOD
INIS: Apr 1992; ETDE: Oct 1977
*BT1 paleozoic era

devonian shales
Use black shales

DEW POINT
INIS: Oct 1976; ETDE: Oct 1975
(The temperature at which a vapor begins to condense.)
*BT1 transition temperature
RT humidity
RT phase transformations
RT vapor condensation

dewar flasks
Use dewars

DEWARS
INIS: Jul 1976; ETDE: Aug 1976
(Prior to August 1985 DEWAR FLASKS was used.)
UF *dewar flasks*
BT1 containers
RT cryogenics

dewatering
Use water removal

DEWATERING EQUIPMENT
INIS: Jun 1994; ETDE: Apr 1985
BT1 concentrators
RT dryers
RT water removal

DEWAXING
INIS: Apr 2000; ETDE: Oct 1975
UF *paraffin removal*
BT1 separation processes
RT refining
RT scrapers
RT waxes

DEWINDTITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 uranium minerals
RT lead phosphates
RT uranium phosphates

DEXAMETHASONE
*BT1 glucocorticoids

DEXTRAN
*BT1 blood substitutes
*BT1 polysaccharides

DEXTRIN
UF *starch gum*
*BT1 polysaccharides

dextro and levo optical isomers
Use enantiomorphs

dextronic acid
Use gluconic acid

dfa
Use deferoxamine

dfr-350 reactor
Use dfr reactor

DFR REACTOR
UF *dfr-350 reactor*
UF *dounreay fast reactor*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 lmfbr type reactors
*BT1 power reactors

DHDECMP
INIS: Jul 1981; ETDE: Jun 1980
(Dihexyl-n,n-diethylcarbamyl methylenephosphonate.)
UF *dihexyl-n,n-diethylcarbamyl-methylenephosphonate*
*BT1 phosphonic acid esters
RT organic solvents

DHRUVA REACTOR
(Bhabha Atomic Research Centre, Trombay, Maharashtra, India. Prior to March 1986 known as TROMBAY R-5 REACTOR.)
UF *trombay r-5 reactor*
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors

di-(2-propyl) ether
Use isopropyl ether

di-2-ethylhexylphosphoric acid
Use hdehp

DIABASES
INIS: Apr 2000; ETDE: Nov 1981
*BT1 basalt

DIABATIC APPROXIMATION
UF *approximation (diabatic)*
RT adiabatic approximation
RT electron-promotion model
RT quantum mechanics

RT scattering

DIABETES MELLITUS
*BT1 endocrine diseases
*BT1 metabolic diseases
RT insulin
RT metabolism

DIABLO CANYON-1 REACTOR
(Avila Beach, California, USA)
UF *pacific gas diablo canyon-1 reactor*
*BT1 pwr type reactors

DIABLO CANYON-2 REACTOR
(Avila Beach, California, USA)
UF *pacific gas diablo canyon-2 reactor*
*BT1 pwr type reactors

diacetylmorphine
Use heroin

DIAGENESIS
(Any change occurring within sediments subsequent to deposition and before complete lithification that alters the mineral content and physical properties of the sediments.)
RT catagenesis
RT coalification
RT origin
RT petrogenesis
RT sediments

DIAGNOSIS
UF+ *radiodiagnosis (radionuclides)*
RT diagnostic techniques
RT diagnostic uses
RT labelled compounds
RT medical examinations
RT medicine
RT nuclear medicine
RT radiology
RT radiopharmaceuticals
RT scintiscanning
RT symptoms
RT tracer techniques

DIAGNOSTIC TECHNIQUES
NT1 autopsy
NT1 biomedical radiography
NT2 fluoroscopy
NT2 ionographic imaging
NT2 osteodensitometry
NT2 renography
NT1 biopsy
NT1 cardiography
NT2 radiocardiography
NT1 electroencephalography
NT1 nmr imaging
NT1 photon emission scanning
NT2 ecat scanning
NT1 photon transmission scanning
NT1 radioimmunodetection
NT2 radioimmunoassay
NT2 radioimmunoscintigraphy
NT1 scintiscanning
NT2 radioimmunoscintigraphy
NT1 tomography
NT2 compton scattering tomography
NT2 computerized tomography
NT3 cat scanning
NT3 emission computed tomography
NT4 ecat scanning
NT4 positron computed tomography
NT4 single photon emission computed tomography
NT3 photon computed tomography
NT3 proton computed tomography
NT2 grazing incidence tomography
NT1 ultrasonography
RT autoradiography
RT blood-plasma clearance
RT diagnosis
RT diagnostic uses
RT electrocardiograms
RT medicine
RT nuclear medicine
RT radioisotope generators
RT radiology
RT tracer techniques
RT x-ray equipment

DIAGNOSTIC USES
INIS: Jul 1993; ETDE: Aug 1978
(For medical applications.)
BT1 uses
RT clinical trials
RT diagnosis
RT diagnostic techniques
RT medicine

diagnostics (fusion)
Use plasma diagnostics

DIAGRAMS
(FOR SIGNIFICANT DIAGRAMS, CHARTS, GRAPHS, AND DRAWINGS ONLY.)
UF *charts*
UF *curves*
UF *design (technical drawings)*
SF *graphs*
BT1 information
NT1 bragg curve
NT1 electrocardiograms
NT1 engineering drawings
NT1 fermi plot
NT1 feynman diagram
NT1 flowsheets
NT1 goldstone diagrams
NT1 hertzsprung-russell diagram
NT1 mollier diagrams
NT1 nomograms
NT1 nyquist diagrams
NT1 optical depth curve
NT2 spectroscopic curve of growth
NT1 phase diagrams
NT1 s-n diagram
NT1 scatterplots
NT2 argand diagrams
NT2 dalitz plot
NT2 prism plot
NT1 sun charts
NT1 thermochemical diagrams
NT1 young diagram
RT computer graphics
RT computer-graphics devices
RT design
RT maps
RT pattern recognition

DIAL PAINTERS
BT1 personnel
RT luminous paints

DIALYSIS
BT1 separation processes
NT1 electrodialysis
RT colloids
RT diffusion
RT mass transfer
RT membranes
RT permeability
RT proteins

DIAMAGNETISM
BT1 magnetism
NT1 plasma diamagnetism
RT de haas-van alphen effect

DIAMEX PROCESS
INIS: Jun 1998; ETDE: Oct 1998
*BT1 reprocessing
RT amides
RT solvent extraction

diaminobiphenyl
Use benzidine

diaminocaproic acid
Use lysine

diaminocyclohexanetetraacetic acid
Use dcta

diamond counters
Use crystal counters

diamond drilling equipment
Use drilling equipment

DIAMONDS
*BT1 carbon
BT1 minerals

diamox process
Use desulfurization

diamyl sulfoxide
Use dpso

dianabol
Use androgens
AND hydroxy compounds
AND ketones

diantipyrylmethane
Use pyrazolines

DIAPHORASE
INIS: Apr 2000; ETDE: Jan 1981
UF *diaphorases*
UF *flavoprotein enzymes*
*BT1 isoalloxazines
*BT1 oxidoreductases

diaphorases
Use diaphorase

DIAPHRAGM
INIS: Sep 1980; ETDE: Oct 1980
(Partition separating the chest and abdominal cavities.)
BT1 muscles
*BT1 organs
RT abdomen
RT chest
RT lungs
RT respiration

diaphragms (thermonuclear device)
Use limiters

DIARRHEA
BT1 symptoms
RT constipation
RT digestive system diseases
RT enteritis
RT intestines

DIATOMACEOUS EARTH
INIS: Nov 1992; ETDE: Apr 1975
(A white, yellow, or light gray siliceous earth composed predominantly of the opaline frustules of diatoms.)
UF *kieselguhr*
RT adsorbents
RT diatoms
RT filters

DIATOMS
INIS: Dec 1991; ETDE: May 1976
(Algae of the class Bacillariophyceae. Prior to January 1992, this was indexed by ALGAE and PLANKTON.)
*BT1 chromophycota
RT diatomaceous earth
RT phytoplankton

DIAZO COMPOUNDS
*BT1 organic nitrogen compounds
NT1 pan
NT1 pyridylazoresorcinol
NT1 thorin
RT azo dyes
RT dyes

DIAZOTIZATION
BT1 chemical reactions
RT organic nitrogen compounds

dibaryon resonances
Use dibaryons

DIBARYONS
INIS: Feb 1981; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by DIBARYON RESONANCES.)
UF *baryon number 2 resonances*
UF *dibaryon resonances*
*BT1 baryons
NT1 dineutrons
NT1 diprotons
NT1 lambda-n-2130 dibaryons
NT1 nn-2170 dibaryons
NT1 nn-2250 dibaryons

dibenzopyrroles
Use carbazoles

diborane
Use boranes

dibutyl ether
Use butyl ether

dibutyl phosphate
Use dbp

DICARBOXYLIC ACIDS
UF+ *beryllon*
UF+ *dsnadns*
*BT1 carboxylic acids
NT1 adipic acid
NT1 fumaric acid
NT1 glutaric acid
NT1 itaconic acid
NT1 maleic acid
NT1 malonic acid
NT1 oxalic acid
NT1 phthalic acid
NT1 sebacic acid
NT1 succinic acid
NT1 terephthalic acid
RT imides

DICENTRIC CHROMOSOMES
UF *dicentrics*
BT1 chromosomes
RT chromosomal aberrations

dicentrics
Use dicentric chromosomes

dichlorodiethylamine
Use nitrogen mustard

dichlorodiphenyltrichloroethane
Use ddt

dichloromethane
Use methylene chloride

DICHROISM
NT1 magnetic circular dichroism
RT color
RT optical properties

DICHROMATES
INIS: Oct 1983; ETDE: Nov 1983
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 chromium compounds
BT1 oxygen compounds
RT chromium oxides

dicotyledons
Use magnoliopsida

DICTIONARIES
INIS: Sep 1994; ETDE: Nov 1976
UF *glossaries*
BT1 document types
RT machine translations

DICTYOCAULUS
*BT1 nematodes
RT parasitic diseases
RT sheep

DICTYOPTERA
INIS: Jul 1993; ETDE: Jun 1981
*BT1 insects
NT1 cockroaches

dictyosomes
Use golgi complexes

dicumarol
Use anticoagulants

DIDERICHITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 carbonate minerals
*BT1 uranium minerals
RT uranium carbonates

dido-juelich reactor
Use frj-2 reactor

DIDO REACTOR
(UKAEA Atomic Energy Research Establishment, Harwell)
UF *ukaea-dido reactor*
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 materials testing reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors

diel variations
Use daily variations

DIELDRIN
*BT1 insecticides

DIELECTRIC AMPLIFIERS
*BT1 amplifiers

dielectric constant
Use permittivity

DIELECTRIC MATERIALS
UF *dielectrics*
UF *materials (dielectric)*
BT1 materials
NT1 antiferroelectric materials
NT1 electrets
NT1 ferroelectric materials
RT capacitors
RT dielectric properties
RT dielectric tensor
RT dielectric track detectors
RT electrical insulation
RT electrical insulators
RT insulating oils
RT lichtenberg figures
RT mica
RT natural rubber
RT organic insulators
RT paper
RT potting
RT potting materials
RT ritad dosemeters
RT rubbers
RT varnishes

DIELECTRIC PROPERTIES
*BT1 electrical properties
NT1 kerr effect
NT1 permittivity
RT capacitance
RT dielectric materials
RT dielectric tensor
RT insulating oils
RT relaxation losses

DIELECTRIC TENSOR
INIS: Aug 1981; ETDE: Sep 1981
BT1 tensors
RT dielectric materials
RT dielectric properties

DIELECTRIC TRACK DETECTORS
UF *track detectors (dielectric)*
*BT1 radiation detectors
RT ceramics
RT dielectric materials
RT electron microscopy
RT etching
RT fission foil detectors
RT glass
RT latent images
RT lithium fluorides
RT luminescent dosemeters
RT mica
RT olivine
RT particle tracks
RT polymers
RT tourmaline

dielectrics
Use dielectric materials

DIELS-ALDER REACTION
BT1 chemical reactions

DIENES
*BT1 polyenes
NT1 allene
NT1 butadiene
NT1 cyclopentadiene
NT1 ferrocene
NT1 isoprene
NT1 pentadienes

DIENG GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Apr 1983
BT1 geothermal fields
RT indonesia

DIES
RT casting
RT casting molds
RT extrusion
RT forging

RT pressing

DIESEL ENGINES
(Prior to December 1990, this concept was indexed by DIESEL MOTORS.)
UF *diesel motors*
*BT1 internal combustion engines
RT dual-fuel engines
RT fuel injection systems

DIESEL FUELS
INIS: Oct 1991; ETDE: Feb 1975
UF *diesel oil (fraction)*
*BT1 gas oils
*BT1 liquid fuels
RT ethanol fuels

diesel motors
Use diesel engines

diesel oil (fraction)
Use diesel fuels

DIET
RT animal feeds
RT beverages
RT drinking water
RT fasting
RT feeding
RT food
RT food additives
RT food chains
RT icrp critical group
RT ingestion
RT mass rearing
RT nutrients
RT nutrition
RT nutritional deficiency
RT rearing
RT therapy
RT vitamins

diethyl ether
Use ethyl ether

diethyldithiocarbamates
Use dedtc

diethylenetriaminepentaacetic acid
Use dtpa

DIFFERENTIAL CALCULUS
UF *calculus (differential)*
BT1 mathematics
RT differential geometry

DIFFERENTIAL CROSS SECTIONS
BT1 cross sections
NT1 excitation functions
RT angular distribution

DIFFERENTIAL EQUATIONS
UF *canonical equations*
UF *equations (differential)*
BT1 equations
NT1 bbgky equation
NT1 chapman-kolmogorov equation
NT1 dirac-hestenes equation
NT1 hill equation
NT1 joos-weinberg equation
NT1 mathieu equation
NT1 partial differential equations
NT2 boltzmann equation
NT2 boltzmann-vlasov equation
NT3 plasma fluid equations
NT2 continuity equations
NT2 diffusion equations
NT3 neutron diffusion equation
NT2 equations of motion
NT2 fokker-planck equation
NT2 fourier heat equation
NT2 grad-shafranov equation
NT2 hamilton-jacobi equations
NT2 korteweg-de vries equation
NT2 lagrange equations
NT2 laplace equation
NT2 maxwell equations
NT2 navier-stokes equations
NT2 poisson equation
NT2 proca equations
NT2 wave equations
NT3 dirac equation
NT3 klein-gordon equation
NT3 schroedinger equation
NT1 riccati equation
NT1 schwinger functional equations
NT1 sturm-liouville equation
RT airy functions
RT analytical solution
RT bifurcation
RT boundary conditions
RT boundary-value problems
RT cluster expansion
RT control theory
RT dirichlet problem
RT finite difference method
RT finite element method
RT floquet function
RT green function
RT integral equations
RT limit cycle
RT lyapunov method
RT mathematics
RT recursion relations
RT riemann function
RT runge-kutta method

DIFFERENTIAL GEOMETRY
INIS: Mar 1983; ETDE: Mar 1983
*BT1 geometry
RT differential calculus
RT mathematical space

DIFFERENTIAL PAC
UF *perturbed angular correlation (differential)*
*BT1 perturbed angular correlation
RT time dependence

DIFFERENTIAL THERMAL ANALYSIS
UF *dta*
BT1 thermal analysis
RT transition heat

DIFFERENTIAL TOPOLOGY
*BT1 topology
RT mapping fibration
RT smooth manifolds
RT topological foliation

DIFFRACTION
*BT1 coherent scattering
NT1 atomic beam diffraction
NT1 diffuse scattering
NT1 electron diffraction
NT1 neutron diffraction
NT1 x-ray diffraction
RT debye-waller factor
RT diffraction gratings
RT diffractometers
RT gamma diffractometers
RT gratings
RT optical dispersion
RT optical properties

diffraction (electron)
Use electron diffraction

diffraction (neutron)
Use neutron diffraction

diffraction (x-ray)
Use x-ray diffraction

diffraction dissociation
Use diffraction models

DIFFRACTION GRATINGS
INIS: Jan 1984; ETDE: Feb 1984
(Prior to November 1989 this concept in ETDE was indexed by GRATINGS.)
UF *echelle gratings*
UF *echelon gratings*
RT diffraction
RT diffractometers
RT optical systems
RT spectrometers
RT x-ray equipment

DIFFRACTION METHODS
NT1 debye-scherrer method
NT1 laue method
NT1 rotating crystal method
RT crystal lattices
RT crystallography
RT patterson method
RT schulz method
RT x-ray diffractometers

DIFFRACTION MODELS
UF *diffraction dissociation*
UF *diffraction production*
*BT1 particle models

diffraction production
Use diffraction models

diffractive dissociation
Use multiperipheral model
AND particle production

DIFFRACTOMETERS
BT1 measuring instruments
NT1 gamma diffractometers
NT1 neutron diffractometers
NT1 x-ray diffractometers
RT diffraction
RT diffraction gratings

DIFFUSE SCATTERING
Nov 2002
(Broad diffraction spread in reciprocal space indicated by halos or streaks that appear around intense Bragg reflections)
*BT1 diffraction
RT bragg reflection
RT elastic scattering
RT electron diffraction
RT incoherent scattering
RT neutron diffraction
RT x-ray diffraction

DIFFUSE SOLAR RADIATION
INIS: Jul 1992; ETDE: Oct 1979
(Solar radiation that has been scattered or reflected in traversal of the atmosphere.)
*BT1 solar flux
*BT1 solar radiation
RT direct solar radiation
RT insolation
RT light scattering

DIFFUSER AUGMENTED TURBINES
INIS: Apr 2000; ETDE: Jun 1977
(Horizontal axis turbines enclosed in shroud of duct to create venturi effect.)
*BT1 wind turbines
RT horizontal axis turbines

DIFFUSERS
INIS: Apr 2000; ETDE: Nov 1977
(Ducts, chambers, or sections in which a high-velocity, low-pressure stream of fluid is converted into a low-velocity, high-pressure flow.)
RT baffles
RT ducts
RT fluid flow
RT mhd channels
RT pipes

DIFFUSION
UF *effusion*
NT1 ambipolar diffusion
NT1 gaseous diffusion
NT1 osmosis
NT1 self-diffusion
NT1 thermal diffusion
RT advection
RT atom transport
RT dialysis
RT donnan theory
RT fick laws
RT kirkendall effect
RT leaching
RT mass transfer
RT mean free path
RT membrane transport
RT mixing
RT particle resuspension
RT radionuclide migration
RT sinks
RT turbulence

diffusion area
Use diffusion length

DIFFUSION BARRIERS
INIS: Nov 1975; ETDE: Jan 1975
(Porous barriers through which gaseous mixtures are passedfor enrichment of the lighter-molecular-weight constituent of the diffusate; used as a many-stage cascade system for the separation of uranium 235 from uranium 238 in uranium hexafluoride.)
SF *barriers*
RT gaseous diffusion plants
RT gaseous diffusion process

DIFFUSION CHAMBERS
*BT1 cloud chambers
RT aerosols

DIFFUSION COATING
(The process)
UF *calorizing*
UF *chromizing*
UF *sherardizing*
UF *siliconizing*
*BT1 surface coating
RT diffusion coatings

DIFFUSION COATINGS
BT1 coatings
RT diffusion coating

DIFFUSION EQUATIONS
*BT1 partial differential equations
NT1 neutron diffusion equation
RT laplacian

DIFFUSION LENGTH
UF *diffusion area*
*BT1 length
RT migration length

DIFFUSION WELDING
*BT1 welding

digallic acid
Use tannic acid

digester gas
Use methane

DIGESTION
NT1 aerobic digestion
NT1 anaerobic digestion
NT2 biogas process
NT1 intracellular digestion
RT amylase
RT chymotrypsin
RT digestive system
RT enzymes
RT gastric acid
RT ingestion
RT intestinal absorption
RT pepsin
RT physiology
RT trypsin

DIGESTIVE SYSTEM
NT1 biliary tract
NT1 esophagus
NT1 gastrointestinal tract
NT2 intestines
NT3 large intestine
NT4 rectum
NT3 small intestine
NT2 stomach
NT1 liver
NT1 oral cavity
NT2 teeth
NT2 tongue
NT1 pancreas
NT1 pharynx
RT anorexia
RT digestion
RT digestive system diseases
RT organs

DIGESTIVE SYSTEM DISEASES
BT1 diseases
NT1 enteritis
NT1 hepatitis
NT2 infectious hepatitis
NT1 liver cirrhosis
NT1 peritonitis
NT1 proctitis
RT anorexia
RT constipation
RT diarrhea
RT digestive system
RT gastrectomy
RT hepatectomy
RT nausea
RT vomiting

DIGITAL CIRCUITS
UF *coding circuits*
BT1 electronic circuits
RT sequential circuits

DIGITAL COMPUTERS
(CII COMPUTERS and PARAMETER COMPUTERS have been valid ETDE descriptors.)
UF *cii computers*
UF *data processors*
UF *parameter computers*
BT1 computers
NT1 array processors
NT1 calculators
NT1 fault tolerant computers
NT1 microcomputers
NT2 personal computers
NT1 supercomputers

DIGITAL FILTERS
INIS: Mar 1986; ETDE: Jul 1977
(Computational means of attenuating undesired frequencies in a set of time-dependent data.)
RT array processors
RT data processing
RT digital frequency analysis
RT frequency analysis
RT image processing

DIGITAL FREQUENCY ANALYSIS
INIS: Apr 2000; ETDE: Jul 1977
(Computational procedure for estimating frequency content for set of time-dependent data.)
BT1 frequency analysis
RT data processing
RT digital filters
RT mathematical operators

DIGITAL SYSTEMS
RT analog-to-digital converters
RT computer architecture
RT computers
RT digital-to-analog converters
RT electronic circuits
RT electronic equipment

DIGITAL-TO-ANALOG CONVERTERS
UF *converters (digital-analog)*
*BT1 electronic equipment
RT analog systems
RT digital systems

DIGITALIS
*BT1 magnoliopsida
*BT1 medicinal plants

DIGITALIS GLYCOSIDES
*BT1 cardiac glycosides
NT1 digitoxin
NT1 digoxin

DIGITIZERS
(Devices for converting non-digital information into digits.)
*BT1 signal conditioners
NT1 cathode ray tube digitizers
NT1 flying spot digitizers
NT1 scanning measuring projectors
NT1 spiral reader digitizers
RT analog-to-digital converters
RT bubble chambers
RT data processing
RT electronic equipment
RT image scanners
RT on-line measurement systems
RT signal conditioning
RT spark chambers
RT video tapes

DIGITOXIN
*BT1 digitalis glycosides
RT digoxin

diglycol monoalkyl ethers
Use ethers
AND glycols
AND organic solvents

DIGOXIN
UF *lanoxin*
*BT1 digitalis glycosides
RT digitoxin

dihexyl-n,n-diethylcarbamyl-methylenephosphonate
Use dhdecmp

dihydroxyaromatics
Use polyphenols

dihydroxybenzene-meta
Use resorcinol

dihydroxybenzene-ortho
Use pyrocatechol

dihydroxypropionic acid
Use glyceric acid

dihydroxysuccinic acid
Use tartaric acid

diii-d
Use doublet-3 device

DIIODOTHYRONINE
INIS: Sep 1983; ETDE: Sep 1983
*BT1 thyroid hormones
RT thyronine
RT triiodothyronine

DIIODOTYROSINE
*BT1 amino acids
*BT1 hydroxy acids
*BT1 organic iodine compounds
RT tyrosine

diisoamyl methylphosphonate
Use dampa

diisopentyl methylphosphonate
Use dampa

diisopropyl ether
Use isopropyl ether

dikes
Use geologic structures

DILATANCY
INIS: Jun 1984; ETDE: Nov 1982
(The increase in volume during application of differential stresses to a noncompacting material.)
BT1 mechanical properties
RT compressibility
RT deformation
RT rock mechanics
RT stresses
RT volume

DILATOMETRY
BT1 thermal analysis
RT extensometers
RT shrinkage
RT thermal expansion

diluents
Use solvents

DILUTE ALLOYS
BT1 alloys

DILUTION
RT isotope dilution
RT solutions

dimensional compactification
Use compactification

DIMENSIONS
NT1 depth
NT2 depth 1-3 km
NT2 depth 3-6 km
NT2 depth 6-9 km
NT2 depth 9-12 km
NT1 height
NT2 scale height
NT2 virtual height
NT1 length
NT2 bond lengths
NT2 coherence length
NT2 debye length
NT2 diffusion length
NT2 elementary length
NT2 extrapolation length
NT2 migration length
NT2 radiation length
NT2 scattering lengths
NT2 slowing-down length
NT1 thickness
NT1 width
RT amplitudes
RT compactification
RT distance
RT shape
RT size
RT tolerance
RT topology
RT volume

dimercaprol
Use bal

dimercaptoethane
Use dithiols

dimercaptopropanol
Use bal

DIMERIZATION
*BT1 polymerization

DIMERS
NT1 pyrimidine dimers
RT monomers
RT polymers

dimethoxymethane
Use methylal

dimethyl ether
Use methyl ether

dimethyl ketone
Use acetone

DIMETHYL SULFIDE
INIS: Jan 1992; ETDE: Jan 1992
UF *dimethylsulfide*
*BT1 organic sulfur compounds
*BT1 sulfides

dimethyl sulfoxide
Use dmso

DIMETHYLBENZANTHRACENE
INIS: May 1980; ETDE: Jul 1979
UF *dmba*
*BT1 condensed aromatics
RT carcinogens
RT neoplasms

dimethylbenzenes
Use xylenes

DIMETHYLGLYOXIME
*BT1 oximes
BT1 reagents

dimethylphenols
Use xylenols

dimethylpropane (2,2-)
Use 2-2-dimethylpropane

dimethylpropionic acid
Use pivalic acid

dimethylsulfide
Use dimethyl sulfide

DIMPLE REACTOR
(Uncooled, variably fueled reactor at UKAEA Atomic Energy Establishment, Winfrith, UK.)
UF *deuterium moderated pile low energy*
*BT1 heavy water moderated reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 zero power reactors

DINEUTRONS
INIS: Jan 1978; ETDE: Feb 1975
*BT1 dibaryons
*BT1 polyneutrons

dining car event
Use nuclear explosions
AND underground explosions

dining halls
Use restaurants

DINITROPHENOL
UF *dnp*
*BT1 nitro compounds
*BT1 phenols
RT nitrophenol

dinitrosoresorcinol
Use nitroso compounds

DINOFLAGELLATE
INIS: Sep 1980; ETDE: Oct 1980
*BT1 mastigophora

DIODE-PUMPED SOLID STATE LASERS
INIS: Apr 1996; ETDE: May 1997
*BT1 solid state lasers
RT icf devices

diode transistors
Use transistors

DIODE TUBES
BT1 electron tubes
NT1 thermionic diodes

diodes (semiconductor)
Use semiconductor diodes

diodrast
Use contrast media
AND heterocyclic acids
AND organic iodine compounds
AND pyridines

diols
Use glycols

DIOPSIDE
INIS: Apr 2000; ETDE: Jan 1976
(A mineral of the clinopyroxene group.)
*BT1 silicate minerals

DIORIT REACTOR
(Eidgenoessiches Institute fuer Reaktorforschung, Wuerlingen, Switzerland)
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 mixed spectrum reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors

DIORITES
INIS: Apr 2000; ETDE: Aug 1980
*BT1 plutonic rocks

DIOXANE
UF *1,4-dioxane*
UF *dioxyethylene ether*

*BT1 heterocyclic compounds
*BT1 organic oxygen compounds

DIOXIN
INIS: Feb 1987; ETDE: Mar 1980
*BT1 heterocyclic compounds
*BT1 organic oxygen compounds
RT preservatives

dioxyethylene ether
Use dioxane

DIP COATING
*BT1 surface coating
NT1 hot dipping
RT dipped coatings

dip logging
Use dipmeter logging

dipentyl sulfoxide
Use dpso

diphenyl ketone
Use benzophenone

diphenylcarbazides
Use dpca

diphenylcarbazones
Use carbazones

diphenylcarbinol
Use benzhydrol

diphenylethane (1,2-)
Use bibenzyl

diphenylglycolic acid
Use benzilic acid

diphenylmethanol
Use benzhydrol

diphenylphosphine oxide
Use organic phosphorus compounds

diphenylpicrylhydrazyl
Use dpph

diphenylthiocarbazone
Use dithizone

diphosphodihydropyridine nucleotide
Use nadh2

DIPHTHERIA
*BT1 bacterial diseases

diplococcus pneumoniae
Use pneumococcus

DIPLOIDY
BT1 ploidy

DIPMETER LOGGING
INIS: Apr 2000; ETDE: Aug 1976
UF *dip logging*
BT1 well logging

DIPOLE MOMENTS
NT1 electric dipole moments
NT1 magnetic dipole moments
RT dipoles

DIPOLES
BT1 multipoles
NT1 electric dipoles
NT1 magnetic dipoles
RT dipole moments
RT polar compounds
RT relaxation losses

DIPPED COATINGS
BT1 coatings
RT dip coating

DIPROTONS
*BT1 dibaryons
*BT1 protons

DIPTERA
INIS: Jul 1993; ETDE: Jun 1981
*BT1 insects
NT1 flies
NT2 fruit flies
NT3 anastrepha
NT3 ceratitis capitata
NT3 dacus
NT4 dacus oleae
NT3 drosophila
NT2 glossina
NT2 hylemya antiqua
NT2 screwworm fly
NT1 mosquitoes

DIPYRIDAMOLE
INIS: Aug 1992; ETDE: Sep 1992
*BT1 piperidines
*BT1 vasodilators

DIRAC APPROXIMATION
RT quantum mechanics

DIRAC COSMOLOGY
BT1 cosmology

dirac delta function
Use delta function

DIRAC EQUATION
*BT1 field equations
*BT1 wave equations
RT dirac operators
RT electrons
RT foldy-wouthuysen transform
RT joos-weinberg equation
RT quantum electrodynamics
RT relativity theory
RT schroedinger equation

DIRAC FORM FACTORS
*BT1 form factors

DIRAC-HESTENES EQUATION
*BT1 differential equations

dirac matrices
Use dirac operators

dirac monopoles
Use magnetic monopoles

DIRAC OPERATORS
UF *dirac matrices*
*BT1 quantum operators
RT dirac equation
RT quantum electrodynamics

DIRECT COLLECTION CONVERTERS
UF *radioelectric cells*
BT1 direct energy converters
NT1 betavoltaic cells
RT radioisotope batteries

DIRECT CONTACT HEAT EXCHANGERS
INIS: Apr 2000; ETDE: Dec 1977
BT1 heat exchangers

DIRECT CURRENT
UF *current (direct)*
*BT1 electric currents
RT homopolar generators

DIRECT CYCLE COOLING SYSTEMS
*BT1 reactor cooling systems

DIRECT DRIVE ICF
INIS: Jul 1999; ETDE: Sep 1999
(Inertial confinement fusion in which the driver energy is directly absorbed by the target capsule.)
RT direct drive laser implosion
RT inertial confinement

DIRECT DRIVE LASER IMPLOSION
(Laser implosion where the driver energy is directly absorbed by the target capsule.)
*BT1 laser implosions
RT direct drive icf
RT indirect drive laser implosion
RT inertial fusion drivers
RT laser fusion reactors
RT laser targets
RT laser-produced plasma
RT laser-radiation heating
RT pulsed fusion reactors

DIRECT ENERGY CONVERSION
*BT1 energy conversion
NT1 photovoltaic conversion
NT1 thermionic conversion
NT1 thermoelectric conversion
NT1 thermomagnetic conversion
NT1 thermophotovoltaic conversion
RT direct energy converters
RT electrohydrodynamics
RT magnetohydrodynamics

DIRECT ENERGY CONVERTERS
NT1 direct collection converters
NT2 betavoltaic cells
NT1 efd wind generators
NT1 ehd generators
NT1 ferroelectric converters
NT1 fuel cells
NT2 acid electrolyte fuel cells
NT2 alcohol fuel cells
NT3 direct methanol fuel cells
NT2 alkaline electrolyte fuel cells
NT2 ammonia fuel cells
NT2 biochemical fuel cells
NT2 coal fuel cells
NT2 formaldehyde fuel cells
NT2 formate fuel cells
NT2 formic acid fuel cells
NT2 high-temperature fuel cells
NT3 molten carbonate fuel cells
NT3 solid oxide fuel cells
NT2 hydrazine fuel cells
NT2 hydrocarbon fuel cells
NT2 hydrogen fuel cells
NT2 natural gas fuel cells
NT2 regenerative fuel cells
NT3 redox fuel cells
NT2 solid electrolyte fuel cells
NT3 proton exchange membrane fuel cells
NT3 solid oxide fuel cells
NT1 mhd generators
NT2 closed-cycle mhd generators
NT3 liquid-metal mhd generators
NT2 coal-fired mhd generators
NT3 mhd generator cdif
NT3 mhd generator cfff
NT3 mhd generator etf
NT3 mhd generator utsi
NT2 disk mhd generators
NT2 mhd generator aedc

NT2 mhd generator aerl mark vi
NT2 mhd generator aerl mark vii
NT2 mhd generator u-02
NT2 mhd generator u-25
NT2 open-cycle mhd generators
NT2 pulsed mhd generators
NT1 photoelectric cells
NT2 photoconductive cells
NT2 photovoltaic cells
NT3 solar cells
NT4 aluminium arsenide solar cells
NT4 back contact solar cells
NT4 cadmium arsenide solar cells
NT4 cadmium selenide solar cells
NT4 cadmium sulfide solar cells
NT4 cadmium telluride solar cells
NT4 cascade solar cells
NT4 concentrator solar cells
NT4 copper oxide solar cells
NT4 copper selenide solar cells
NT4 copper sulfide solar cells
NT4 gallium arsenide solar cells
NT4 gallium phosphide solar cells
NT4 indium phosphide solar cells
NT4 indium selenide solar cells
NT4 mi solar cells
NT4 mis solar cells
NT4 mos solar cells
NT4 ms solar cells
NT4 organic solar cells
NT4 pis solar cells
NT4 ps solar cells
NT4 schottky barrier solar cells
NT4 selenium solar cells
NT4 silicon arsenide solar cells
NT4 silicon solar cells
NT5 soc solar cells
NT4 zinc phosphide solar cells
NT4 zinc sulfide solar cells
NT1 radioisotope batteries
NT2 snap batteries
NT3 snap 19 battery
NT3 snap 27 battery
NT3 snap 9 battery
NT1 thermionic converters
NT1 thermoelectric generators
NT1 thermoelectric heaters
NT1 thermoelectric refrigerators
NT1 thermophotovoltaic converters
RT direct energy conversion
RT power supplies

DIRECT GAIN SYSTEMS

INIS: Apr 2000; ETDE: Sep 1980
(Prior to September 1980 HEAT GAIN was used to index this concept in ETDE.)
*BT1 passive solar heating systems
RT heat gain

DIRECT METHANOL FUEL CELLS

INIS: Apr 2000; ETDE: Sep 1999
*BT1 alcohol fuel cells
RT proton exchange membrane fuel cells

DIRECT REACTIONS

BT1 nuclear reactions
NT1 knock-on reactions
NT1 knock-out reactions
NT1 quasi-free reactions
NT2 quasi-elastic scattering
NT1 transfer reactions
NT2 multi-nucleon transfer reactions
NT3 four-nucleon transfer reactions
NT4 alpha-transfer reactions
NT3 many-nucleon transfer reactions
NT3 three-nucleon transfer reactions
NT3 two-nucleon transfer reactions
NT2 one-nucleon transfer reactions
NT2 pickup reactions
NT2 stripping
RT oppenheimer-phillips process

DIRECT SOLAR RADIATION

INIS: Jul 1992; ETDE: Oct 1979
(Solar radiation that has not been scattered or reflected in traversal of the atmosphere.)
*BT1 solar flux
*BT1 solar radiation
RT diffuse solar radiation
RT insolation
RT solar access

DIRECTED-ENERGY WEAPONS

INIS: Apr 2000; ETDE: Aug 1981
UF *particle-beam weapons*
BT1 weapons
NT1 laser weapons
RT ballistic missile defense
RT charged particles
RT particle beams
RT space weapons

directional correlation

Use angular correlation

DIRECTIONAL DRILLING

INIS: Jul 1992; ETDE: Apr 1977
(Drilling at a deviated angle. The drilling usually starts out vertically and is then deflected gradually.)
BT1 drilling
RT enhanced recovery
RT geothermal wells
RT well drilling

DIRECTIONAL RADIATION DETECTORS

*BT1 radiation detectors

DIRECTORIES

INIS: Sep 1980; ETDE: Oct 1978
(Until March 1999 this concept was indexed by INDEXES.)
BT1 document types
RT catalogs
RT indexes

DIRICHLET PROBLEM

BT1 boundary-value problems
RT differential equations
RT partial differential equations

dirigibles

Use aircraft

DISACCHARIDES

(Prior to July 1996 MELIBIOSE was a valid ETDE descriptor.)
UF *melibiose*
*BT1 oligosaccharides
NT1 cellobiose
NT1 lactose
NT1 maltose
NT1 saccharose

DISADVANTAGE FACTOR

RT multiplication factors
RT neutron flux

disarmament

See arms control
OR nuclear disarmament

disaster (exceptional natural)

Use exceptional natural disaster

disasters

See accidents
OR natural disasters

disbursements

See administrative procedures
OR financing

DISCALOY

INIS: Apr 2000; ETDE: Dec 1974
*BT1 aluminium additions
*BT1 carbon additions
*BT1 chromium alloys
*BT1 iron base alloys
*BT1 manganese additions
*BT1 molybdenum alloys
*BT1 nickel alloys
*BT1 silicon additions
*BT1 titanium alloys

DISCHARGE CANALS

INIS: Apr 2000; ETDE: Jan 1975
RT auxiliary water systems
RT cooling systems

DISCHARGE QUENCHING

INIS: Apr 1996; ETDE: Apr 1996
(The stifling of a discharge by suddenly applying a load to lower its thermal energy.)
UF *quenching (discharge)*
RT electric discharges
RT thermonuclear devices

discharges (electric)

Use electric discharges

discharges (ionization)

Use ionization

discharges (wastes)

Use waste disposal

discharging (fission reactor)

Use reactor fueling

discount rate

Use interest rate

DISCRETE ORDINATE METHOD

UF *carlson method*
UF *discrete ordinates*
UF *sn method*
BT1 calculation methods
RT neutron transport theory
RT transport theory

discrete ordinates

Use discrete ordinate method

DISCRIMINATORS

BT1 electronic circuits
NT1 pulse discriminators
RT timing circuits

disease free period

Use latency period

DISEASE INCIDENCE

INIS: Jan 1985; ETDE: Jun 1981
UF *morbidity*
RT disease resistance
RT diseases
RT epidemiology
RT plant diseases

DISEASE RESISTANCE

RT disease incidence
RT diseases
RT epidemiology
RT immunity
RT mutants
RT plant breeding
RT plant diseases

DISEASE VECTORS

RT diseases

RT glossina
RT insects
RT mites
RT parasites
RT pathogens
RT rodents
RT snails

DISEASES

(Limited to diseases of man and animals; see also PLANT DISEASES.)
NT1 cardiovascular diseases
NT2 arteriosclerosis
NT2 hypertension
NT2 ischemia
NT2 myocardial infarction
NT2 nephrosclerosis
NT2 telangiectasis
NT2 thrombosis
NT1 congenital diseases
NT2 downs syndrome
NT1 digestive system diseases
NT2 enteritis
NT2 hepatitis
NT3 infectious hepatitis
NT2 liver cirrhosis
NT2 peritonitis
NT2 proctitis
NT1 endocrine diseases
NT2 acromegaly
NT2 cushing syndrome
NT2 diabetes mellitus
NT2 goiter
NT2 hyperparathyroidism
NT2 hyperthyroidism
NT2 hypothyroidism
NT2 thyroiditis
NT1 hemic diseases
NT2 anemias
NT3 ischemia
NT3 megaloblastic anemia
NT3 sickle cell anemia
NT3 thalassemia
NT2 hemophilia
NT2 leukopenia
NT3 lymphopenia
NT2 polycythemia
NT2 purpura
NT1 hereditary diseases
NT2 downs syndrome
NT2 hemophilia
NT1 immune system diseases
NT2 aids
NT2 leukemia
NT3 myeloid leukemia
NT2 leukopenia
NT3 lymphopenia
NT2 lupus
NT2 lymphomas
NT3 hodgkins disease
NT3 lymphosarcomas
NT1 infectious diseases
NT2 bacterial diseases
NT3 cholera
NT3 diphtheria
NT3 gonorrhea
NT3 leprosy
NT3 syphilis
NT3 tetanus
NT3 tuberculosis
NT3 typhoid
NT2 fungal diseases
NT3 mycoses
NT3 tinea
NT2 parasitic diseases
NT3 fascioliasis
NT3 filariasis
NT3 hydatidosis
NT3 malaria
NT3 schistosomiasis
NT3 trichinosis
NT3 trypanosomiasis
NT2 rickettsial diseases
NT3 typhus
NT2 viral diseases
NT3 aids
NT3 herpes simplex
NT3 herpes zoster
NT3 infectious hepatitis
NT3 influenza
NT3 measles
NT3 newcastle disease
NT3 poliomyelitis
NT3 rabies
NT1 injuries
NT2 bone fractures
NT2 burns
NT3 flash burns
NT3 radiation burns
NT2 radiation injuries
NT3 osteoradionecrosis
NT3 radiation burns
NT3 radiodermatitis
NT2 wounds
NT1 metabolic diseases
NT2 diabetes mellitus
NT2 rickets
NT1 neoplasms
NT2 carcinomas
NT3 adenomas
NT3 angiomas
NT3 epitheliomas
NT4 melanomas
NT3 hepatomas
NT2 experimental neoplasms
NT3 ehrlich ascites tumor
NT2 gliomas
NT3 astrocytomas
NT2 granulomas
NT2 leukemia
NT3 myeloid leukemia
NT2 lymphomas
NT3 hodgkins disease
NT3 lymphosarcomas
NT2 sarcomas
NT3 fibrosarcomas
NT3 lymphosarcomas
NT3 myosarcomas
NT4 rhabdomyosarcomas
NT3 osteosarcomas
NT1 nervous system diseases
NT2 encephalitis
NT2 epilepsy
NT2 gliomas
NT3 astrocytomas
NT2 herpes zoster
NT2 myelitis
NT3 poliomyelitis
NT2 rabies
NT1 occupational diseases
NT1 respiratory system diseases
NT2 asthma
NT2 bronchitis
NT2 emphysema
NT2 pneumoconioses
NT3 berylliosis
NT2 pneumonia
NT3 bronchopneumonia
NT1 sense organs diseases
NT2 cataracts
NT2 conjunctivitis
NT1 skeletal diseases
NT2 osteomyelitis
NT2 osteoporosis
NT2 osteoradionecrosis
NT2 osteosarcomas
NT2 rickets
NT2 spondylitis
NT1 skin diseases
NT2 dermatitis
NT3 radiodermatitis
NT2 eczema
NT2 herpes simplex
NT2 psoriasis
NT2 telangiectasis
NT1 urogenital system diseases
NT2 gonorrhea
NT2 menstruation disorders
NT2 nephritis
NT2 nephrosclerosis
NT2 reproductive disorders
NT2 uremia
NT1 vascular diseases
NT2 arteriosclerosis
NT2 hypertension
NT2 ischemia
NT2 nephrosclerosis
NT2 telangiectasis
NT2 thrombosis
RT disease incidence
RT disease resistance
RT disease vectors
RT epidemiology
RT etiology
RT medicine
RT pathogenesis
RT pathogens
RT pathological changes
RT pathology
RT quarantine
RT symptoms

DISHWASHERS

INIS: Jul 1993; ETDE: Jan 1977
*BT1 appliances
RT cleaning
RT electric appliances
RT gas appliances
RT washing

DISINFECTANTS

INIS: Jul 1986; ETDE: Oct 1975
BT1 germicides
RT antiseptics
RT bacteria
RT drugs
RT infectivity
RT pesticides

disinfection

Use sterilization

DISINFESTATION

NT1 grain disinfestation
NT1 radiodisinfestation
RT pesticides
RT preservation
RT sterilization

disintegration (biological)

Use decomposition

disintegration (chemical)

Use decomposition

disintegration (fission)

Use fission

disintegration (nuclear particles)

See annihilation
OR particle decay

disintegration (nuclear)

Use decay

DISK MHD GENERATORS

INIS: Feb 1993; ETDE: May 1979
UF *radial flow mhd generators*
*BT1 mhd generators

disks (accretion)
Use accretion disks

disks (intervertebral)
Use cartilage
AND vertebrae

disks (magnetic)
Use magnetic disks

DISLOCATION PINNING
RT cold working
RT dislocations
RT grain boundaries

DISLOCATIONS
SF *frank-read source*
*BT1 line defects
NT1 edge dislocations
NT1 screw dislocations
RT bordoni peak
RT burgers vector
RT dislocation pinning
RT kikuchi lines
RT peierls-nabarro force
RT slip
RT stacking faults
RT superdislocations

dismantlement (nuclear weapons)
Use nuclear weapons dismantlement

dismantling (fission reactor)
Use reactor dismantling

dismantling (fuel assembly)
Use fuel assembly dismantling

dismantling (reactor)
Use reactor dismantling

dispersal (insect)
Use insect dispersal

dispersants (chemical)
Use surfactants

disperse systems
Use dispersions

DISPERSED STORAGE AND GENERATION
INIS: May 1999; ETDE: Mar 1980
RT electric power
RT electric utilities
RT energy storage
RT load management
RT on-site power generation
RT power generation
RT power systems

DISPERSION HARDENING
BT1 hardening

DISPERSION NUCLEAR FUELS
(A dispersion of nuclear fuel particles in a solid.)
*BT1 nuclear fuels
*BT1 solid fuels
RT fuel dispersion reactors
RT fuel particles

DISPERSION RELATIONS
(For dispersion of light use OPTICAL DISPERSION.)
UF *dispersion theory*
UF *fracer-fulco method*
SF *khuri representation*
RT bifurcation
RT cdd poles
RT mandelstam representation
RT n-d method
RT partial waves
RT plasma instability
RT plasma waves
RT quantum field theory
RT scattering
RT scattering amplitudes
RT spectral functions

dispersion theory
Use dispersion relations

DISPERSIONS
(For the state of aggregation in materials; if related to wave phenomena see DISPERSION RELATIONS or OPTICAL DISPERSION.)
UF *disperse systems*
NT1 colloids
NT2 agar
NT2 alginic acid
NT2 emulsions
NT3 microemulsions
NT3 photographic emulsions
NT2 foams
NT3 plastic foams
NT3 urea-formaldehyde foams
NT2 gelatin
NT2 gels
NT3 hydrophylic polymers
NT2 radiocolloids
NT3 thorotrast
NT2 sols
NT3 aerosols
NT4 radioactive aerosols
NT4 smokes
NT5 tobacco smokes
NT1 mixtures
NT2 binary mixtures
NT2 homogeneous mixtures
NT3 solutions
NT4 aqueous solutions
NT4 fuel solutions
NT4 hypertonic solutions
NT4 isotonic solutions
NT4 leachates
NT4 process solutions
NT4 solid solutions
NT2 mixed solvents
NT2 slurries
NT3 fuel slurries
NT1 suspensions
NT2 slurries
NT3 fuel slurries
NT1 td-nickel
NT1 td-nickel chromium
RT dusts
RT elutriation
RT gases
RT liquids
RT microspheres
RT particle resuspension
RT particle size
RT particles
RT particulates
RT solids
RT sprays
RT total suspended particulates

dispersive ion waves
Use ion plasma waves

DISPLACEMENT FLUIDS
INIS: Feb 1992; ETDE: Nov 1983
UF *flooding fluids*
UF *injection fluids*
BT1 fluids
RT enhanced recovery
RT fluid injection
RT well stimulation

DISPLACEMENT GAGES
UF *position indicators*
BT1 measuring instruments

displacement rates
See atomic displacements
OR fluid flow
OR ground motion
OR seismology

displacements (atomic)
Use atomic displacements

displacements (seismic)
Use ground motion

DISPLAY DEVICES
UF *data display devices*
UF *data display systems*
*BT1 computer-graphics devices
NT1 interactive display devices
RT cathode ray tubes
RT computer graphics
RT consoles
RT control rooms
RT electronic equipment
RT image tubes
RT images
RT man-machine systems
RT pattern recognition
RT plotters
RT semiconductor devices

disposable income
Use income

disposal (wastes)
Use waste disposal

DISPOSAL WELLS
INIS: Mar 1992; ETDE: May 1984
BT1 wells
RT brines
RT radioactive waste disposal
RT underground disposal

disproportionation
Use oxidation
AND reduction

DISPUTE SETTLEMENTS
INIS: Dec 1976; ETDE: Nov 1993
(From March 1981 till March 1997 MEDIATION was a valid ETDE descriptor.)
UF *settlements (disputes)*
SF *mediation*
RT arbitration
RT courts
RT hearings
RT lawsuits

DISSIPATION FACTOR
RT energy losses
RT heat losses

DISSOCIATING GASES
INIS: Dec 1985; ETDE: Mar 1976
*BT1 gases
RT dissociation

DISSOCIATION
NT1 predissociation
RT decomposition
RT dissociating gases
RT dissociation energy
RT dissociation heat
RT electrolysis
RT electrolytes
RT ionization
RT photolysis
RT pyrolysis

RT radiolysis
RT reaction kinetics

DISSOCIATION ENERGY
(For the bond property only; for the reaction property see DISSOCIATION HEAT.)
UF *energy of dissociation*
BT1 energy
RT dissociation
RT formation heat
RT molecular structure

DISSOCIATION HEAT
UF *heat of dissociation*
*BT1 reaction heat
RT dissociation
RT formation heat
RT thermochemical heat storage

DISSOLUTION
NT1 leaching
NT2 microbial leaching
RT dissolvers
RT fractionation
RT solubility
RT solutes
RT solutions
RT solvent extraction
RT solvent properties
RT solvents

DISSOLVED GASES
INIS: Oct 1983; ETDE: Sep 1980
UF+ *dissolved oxygen*
*BT1 gases
BT1 solutes
RT anaerobic conditions
RT biochemical oxygen demand
RT deaerators
RT partial pressure
RT water chemistry
RT water pollution
RT water treatment

dissolved materials
Use solutes

dissolved oxygen
Use dissolved gases
AND oxygen

dissolved solids
Use solutes

DISSOLVERS
INIS: Mar 1993; ETDE: Jan 1976
BT1 equipment
RT dissolution

DISTANCE
NT1 elementary length
NT1 interaction range
NT1 interatomic distances
RT automation
RT dimensions
RT manipulators
RT radiation protection
RT range
RT remote handling
RT shielding
RT thickness

distillate fuel
Use heating oils

distillate fuel oil
Use heating oils

DISTILLATES
INIS: Apr 2000; ETDE: Apr 1975
NT1 naphtha
NT2 ligroin
NT1 petroleum distillates
NT2 gas oils
NT3 diesel fuels
NT3 fuel oils
NT4 heating oils
NT4 residual fuels
NT3 kerosene
RT distillation
RT oils
RT vapors

DISTILLATION
BT1 separation processes
NT1 destructive distillation
NT1 solar distillation
NT1 vacuum distillation
RT azeotrope
RT chloride volatility process
RT demineralization
RT desalination
RT distillates
RT distillation equipment
RT evaporation
RT evaporators
RT flash heating
RT fluoride volatility process
RT fractionation
RT petroleum
RT petroleum refineries
RT stillage
RT volatility

DISTILLATION EQUIPMENT
INIS: Dec 1985; ETDE: Sep 1976
BT1 equipment
NT1 retorts
RT distillation
RT petroleum refineries

DISTILLERS DRIED GRAINS
INIS: Apr 2000; ETDE: Aug 1981
(Residue produced by drying the solid portion of the mash obtained after alcoholic fermentation prior to distillation.)
UF *ddg*
RT animal feeds
RT by-products
RT fermentation
RT stillage

distorted wave born approximation
Use dwba

DISTORTED WAVE THEORY
RT dwba
RT nuclear reaction kinetics

DISTRIBUTED COLLECTOR POWER PLANTS
INIS: Mar 1992; ETDE: Sep 1978
*BT1 solar thermal power plants
RT msstf

DISTRIBUTED DATA PROCESSING
INIS: Mar 1992; ETDE: Oct 1980
*BT1 data processing
RT information systems

DISTRIBUTION
(For energy distribution use ENERGY SPECTRA.)
UF+ *inclusive distribution*
UF+ *kurtosis*
UF+ *skewness*
NT1 angular distribution
NT1 spatial distribution
NT2 mass distribution
NT1 subcellular distribution
NT1 tissue distribution
RT allocations
RT anisotropy
RT asymmetry
RT boltzmann statistics
RT gauss function
RT gaussian processes
RT isotropy
RT particle kinematics
RT symmetry

distribution constants
Use distribution functions

distribution factor (rad doses)
Use spatial dose distributions

DISTRIBUTION FUNCTIONS
UF *distribution constants*
BT1 functions
RT ion exchange
RT ion exchange chromatography
RT plasma
RT solvent extraction
RT tail electrons
RT tail ions

DISTRICT COOLING
INIS: Jan 1993; ETDE: Nov 1975
BT1 cooling
RT central heating plants

DISTRICT HEATING
BT1 heating
NT1 geothermal district heating
NT1 solar district heating
RT boilers
RT central heating plants
RT cogeneration
RT dual-purpose power plants
RT geothermal heating systems
RT heat distribution systems
RT heat transfer
RT heating systems
RT hot water
RT slowpoke-wnre reactor
RT space heating
RT steam
RT steam generation plants
RT thermal power plants
RT thermal transmission ices
RT waste heat

district of columbia
Use washington dc

DISTURBANCES
UF *perturbations*
UF+ *ionospheric effects*
NT1 ionospheric storms
NT2 sudden ionospheric disturbance
NT2 travelling ionospheric disturbance
RT magnetic bays
RT magnetic storms
RT oscillations
RT pulsations
RT variations

DISULFIDES
*BT1 organic sulfur compounds
NT1 cystine
NT1 thioctic acid

disused mineshafts
Use abandoned shafts

DITE TOKAMAK
INIS: Jul 1981; ETDE: Aug 1981
*BT1 tokamak devices

DITHIOLS
UF *1,2-ethanedithiol*
UF *dimercaptoethane*
BT1 reagents
*BT1 thiols
NT1 bal
NT1 unithiol

DITHIZONE
UF *diphenylthiocarbazone*
*BT1 carbazones
BT1 chelating agents
*BT1 organic sulfur compounds
BT1 reagents

DIURETICS
(Prior to March 1997 CHLOROTHIAZIDE was a valid ETDE descriptor.)
UF *chlorothiazide*
BT1 drugs
NT1 neohydrin
NT1 sorbitol
NT1 theobromine
NT1 theophylline
RT antihypertensive agents
RT edema
RT kidneys
RT urine
RT urogenital system diseases

diurnal variation
Use daily variations

diva tokamak
Use jft-2a tokamak

divergences (infrared)
Use infrared divergences

divergences (ultraviolet)
Use ultraviolet divergences

DIVERSIFICATION
INIS: Sep 1980; ETDE: Mar 1980
RT economy
RT investment
RT technology impacts

DIVERTORS
NT1 bundle divertors
NT1 ergodic divertors
NT1 poloidal field divertors
NT1 toroidal field divertors
RT exhaust systems
RT h-mode plasma confinement
RT magnetic field configurations
RT magnetic surfaces
RT plasma impurities
RT stellarators

DIVING OPERATIONS
INIS: Mar 1993; ETDE: Mar 1976
BT1 underwater operations
RT life support systems
RT offshore operations
RT underwater facilities

DIVINYLBENZENE
INIS: Jun 1982; ETDE: Jul 1979
*BT1 aromatics
*BT1 hydrocarbons

djakarta irt-2000 reactor
Use irt-2000 djakarta reactor

DJALMAITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 uranium minerals

DJIBOUTI
INIS: May 1992; ETDE: Jan 1981
(Formerly AFARS AND ISSAS. Material published before 1981 would be so indexed.)
UF *afars and issas*
BT1 africa
BT1 arab countries

dlts
Use deep level transient spectroscopy

dmba
Use dimethylbenzanthracene

DME
UF *1,2-dimethoxyethane*
*BT1 ethers
RT organic solvents

DMSO
UF *dimethyl sulfoxide*
*BT1 sulfoxides

DMTR REACTOR
UF *dounreay materials testing reactor*
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 materials testing reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors

DNA
UF *deoxypentose nucleic acid*
UF *deoxyribonucleic acid*
UF *desoxyribonucleic acid*
*BT1 nucleic acids
NT1 contigs
NT1 oligonucleotides
NT1 recombinant dna
RT chromosomes
RT dna adducts
RT dna polymerases
RT dna repair
RT dna replication
RT dna sequencing
RT dna-ase
RT dna-cloning
RT exons
RT feulgen method
RT gene operons
RT genetic engineering
RT helical configuration
RT host-cell reactivation
RT human chromosomes
RT in-situ hybridization
RT introns
RT nucleosomes
RT strand breaks

DNA ADDUCTS
INIS: Apr 1984; ETDE: Nov 1983
BT1 adducts
RT carcinogenesis
RT carcinogens
RT chemical bonds
RT dna
RT metabolism
RT mutagenesis
RT mutagens
RT radiomimetic drugs

DNA-ASE
(Code number 3.1.4.5.)
UF *deoxyribonuclease*
UF *nuclease (deoxyribonuclease)*
*BT1 nucleases
NT1 endonucleases
RT dna
RT nucleoproteins

DNA BASE TRANSITIONS
INIS: Apr 2000; ETDE: Dec 1987
(Changes in the genetic message of an organism by substitution of (usually) one nucleotide for another.)
RT dna repair
RT mutations

DNA-CLONING
INIS: Oct 1977; ETDE: Nov 1977
BT1 cloning
*BT1 dna hybridization
RT cosmids
RT dna
RT dna replication
RT oligonucleotides
RT polymerase chain reaction
RT transposons

DNA DAMAGES
INIS: Feb 1998; ETDE: Aug 1999
NT1 strand breaks
RT chromosomal aberrations
RT dna repair
RT dna replication
RT radiation injuries

DNA HELICASES
INIS: Aug 1993; ETDE: Jun 1984
(An enzyme that unwinds segments of damaged DNA in preparation for DNA repair.)
*BT1 enzymes
RT dna repair

DNA HYBRIDIZATION
INIS: Dec 1991; ETDE: Oct 1988
BT1 hybridization
*BT1 nucleic acid hybridization
NT1 dna-cloning
RT genetic mapping
RT hybridomas
RT in-situ hybridization
RT messenger-rna
RT oligonucleotides
RT recombinant dna

DNA METHYLASES
INIS: Aug 1993; ETDE: Apr 1988
*BT1 lyases
RT endonucleases
RT methyl transferases
RT nucleoproteins

DNA MISMATCH
INIS: Apr 2000; ETDE: Jun 1984
(DNA containing mismatched base pairs can be formed as a result of DNA exchange between non-identical sequences or as a result of errors in DNA replication.)
RT dna replication
RT gene recombination
RT mutations

DNA POLYMERASES
INIS: Jun 1984; ETDE: Jan 1984
*BT1 polymerases
RT biological repair
RT dna
RT dna repair
RT dna replication
RT nucleoproteins
RT rna polymerases
RT transcription

DNA REPAIR
INIS: Apr 1984; ETDE: May 1984
UF *dark repair*

*BT1 biological repair
NT1 excision repair
RT chromosomes
RT dna
RT dna base transitions
RT dna damages
RT dna helicases
RT dna polymerases
RT endonucleases
RT gene recombination proteins
RT human chromosomes
RT methyl transferases
RT pyrimidine dimers
RT strand breaks

DNA REPLICATION
BT1 nucleic acid replication
RT cell cycle
RT dna
RT dna damages
RT dna mismatch
RT dna polymerases
RT dna-cloning
RT telomeres
RT transcription

DNA SEQUENCERS
INIS: Feb 1994; ETDE: Feb 1994
*BT1 laboratory equipment
RT automation
RT dna sequencing
RT measuring instruments

DNA SEQUENCING
INIS: Dec 1984; ETDE: Jan 1984
(The chemical determination of the sequence of the nucleotides in a strand of DNA.)
BT1 structural chemical analysis
RT dna
RT dna sequencers
RT molecular biology
RT molecular structure
RT nucleotides

dnb
Use departure nucleate boiling

dnepr river
Use dnieper river

DNIEPER RIVER
INIS: May 1992; ETDE: Jun 1992
UF *dnepr river*
*BT1 rivers
RT black sea
RT pripet river
RT ukraine

dnp
Use dinitrophenol

doca
Use mineralocorticoids

document destruction
See legal aspects
OR security

document retrieval
Use information retrieval

DOCUMENT TYPES
(See scope note for each of the descriptors below for its proper usage.)
UF *data forms*
SF *technical writing*
NT1 bibliographies
NT1 catalogs
NT1 dictionaries
NT1 directories
NT1 environmental impact statements
NT1 hearings
NT1 indexes
NT1 lectures
NT1 manuals
NT1 patents
NT1 proceedings
NT1 progress report
NT1 regulatory guides
NT1 reviews
RT abstracts
RT safety reports

DOCUMENTATION
(The assembling, coding, and disseminating of recorded knowledge.)
RT data compilation
RT information retrieval
RT information systems
RT privacy act
RT reporting requirements

DODECANE
*BT1 alkanes

DODECANOIC ACID
UF *lauric acid*
*BT1 monocarboxylic acids

DODECYL RADICALS
UF *lauryl radicals*
*BT1 alkyl radicals

DODEWAARD REACTOR
(Dodewaard, Gelderland, Netherlands)
UF *gkn reactor (dodewaard)*
*BT1 bwr type reactors

DOEL-1 REACTOR
(Doel-Beveren, Flandre, Belgium)
*BT1 pwr type reactors

DOEL-2 REACTOR
(Doel-Beveren, Flandre, Belgium)
*BT1 pwr type reactors

DOEL-3 REACTOR
INIS: Sep 1977; ETDE: Nov 1977
(Doel-Beveren, Flandre, Belgium)
*BT1 pwr type reactors

DOEL-4 REACTOR
INIS: May 1981; ETDE: Jun 1981
(Doel-Beveren, Flandre, belgium)
*BT1 pwr type reactors

DOGS
UF *canines*
UF *mongrels*
*BT1 mammals
NT1 beagles
RT foxes
RT wolves

dolantal
Use pethidine

DOLLARS
*BT1 reactivity units

DOLOMITE
(A common rock-forming rhombohedral mineral.)
UF *bitter spar*
SF *pearl spar*
*BT1 carbonate minerals
RT calcite
RT calcium carbonates
RT limestone
RT magnesium carbonates

dolomite rock
Use limestone

dolphins
Use cetaceans

DOMAIN STRUCTURE
(From January 1975 until March 1996 LANDAU DOMAIN STRUCTURE was a valid ETDE descriptor.)
UF *landau domain structure*
NT1 bloch wall
RT magnetic properties

DOMED STRUCTURES
INIS: Apr 2000; ETDE: May 1980
UF *domes (structures)*
BT1 mechanical structures
RT buildings
RT shells

domes (structures)
Use domed structures

DOMESTIC ANIMALS
UF *farm animals*
UF *livestock*
BT1 animals
NT1 cattle
NT2 calves
NT2 cows
NT1 goats
NT1 sheep
NT1 swine
NT2 miniature swine
RT agriculture
RT animal breeding
RT buffalo
RT camels
RT grazing
RT rangelands
RT rearing
RT screwworm fly

domestic crude oil entitlements program
Use entitlements program

DOMESTIC SAFEGUARDS
BT1 safeguards

DOMESTIC SUPPLIES
INIS: Jul 1986; ETDE: Dec 1978
(Goods whose source country is the same as the place of use, i.e. native goods not requiring import from another country.)
RT availability
RT exports
RT gross national product
RT imports
RT market
RT shortages
RT supply and demand
RT trade

domestic wastes
Use municipal wastes

DOMINANT MUTATIONS
BT1 mutations

DOMINIC PROJECT
UF *project dominic*
*BT1 nuclear explosions
RT atmospheric explosions
RT underwater explosions

DOMINICAN REPUBLIC
BT1 developing countries
*BT1 hispaniola
BT1 latin america

donald c. cook-1 reactor
Use cook-1 reactor

donald c. cook-2 reactor
Use cook-2 reactor

donkeys
Use burros

DONNAN THEORY
RT diffusion
RT electrolytes
RT osmosis

DOORS
BT1 openings
NT1 storm doors
RT air curtains
RT buildings

DOPA
UF *3,4-dihydroxyphenylalanine*
*BT1 amino acids
*BT1 hydroxy acids
*BT1 neuroregulators
RT dopamine
RT phenylalanine

DOPAMINE
*BT1 amines
*BT1 cardiotonics
*BT1 neuroregulators
*BT1 polyphenols
*BT1 sympathomimetics
RT dopa
RT pyrocatechol
RT spiperone

DOPED MATERIALS
UF *materials (doped)*
BT1 materials
RT bromine additions
RT chlorine additions
RT crystal doping
RT fluorine additions
RT ion implantation
RT semiconductor materials
RT trace amounts

doping (crystal)
Use crystal doping

DOPPLER BROADENING
BT1 line broadening
RT doppler coefficient
RT doppler effect

DOPPLER COEFFICIENT
BT1 reactivity coefficients
RT doppler broadening
RT temperature coefficient

DOPPLER EFFECT
RT doppler broadening
RT dsa method
RT red shift
RT spectral shift

doppler shift attenuation method
Use dsa method

dopplerons
Use quasi particles

DORIS STORAGE RING
BT1 storage rings

dormitories
Use residential buildings

DOSE COMMITMENTS
RT delayed radiation effects
RT dose equivalents
RT dose limits
RT internal irradiation
RT life span
RT medical surveillance
RT radiation doses
RT radionuclide kinetics

dose distributions
Use radiation dose distributions

DOSE EQUIVALENTS
(From January 1975 till April 1997 SIEVERT UNIT was a valid ETDE descriptor.)
RT dose commitments
RT dose limits
RT dosimetry
RT ionizing radiations
RT let
RT quality factor
RT radiation doses
RT tissue-equivalent detectors

dose fractionation
Use fractionated irradiation

DOSE LIMITS
*BT1 safety standards
RT dose commitments
RT dose equivalents
RT maximum permissible dose
RT radiation doses
RT unscear

DOSE RATEMETERS
UF *ratemeters (dose)*
RT dosimetry

DOSE RATES
RT low dose irradiation
RT pulsed irradiation
RT radiation doses
RT radiation effects
RT temporal dose distributions
RT time dependence

dose reduction factor
Use efficiency
AND radioprotective substances

dose relative factor
Use efficiency
AND radioprotective substances

DOSE-RESPONSE RELATIONSHIPS
RT acute exposure
RT biological effects
RT biological indicators
RT fractionated irradiation
RT genetically significant dose
RT lethal irradiation
RT low dose irradiation
RT radiation dose distributions
RT radiation doses
RT radiation effects
RT radiosensitivity
RT sublethal irradiation
RT supralethal irradiation
RT survival curves
RT toxicity

DOSEMETERS
UF *dosimeters*
UF *radiation dosemeters*
BT1 measuring instruments
NT1 albedo-neutron dosemeters
NT1 biological dosemeters
NT1 bragg gray chambers
NT1 calorimetric dosemeters
NT1 chemical dosemeters
NT1 colorimetric dosemeters
NT1 condenser ionization chambers
NT1 exoelectron dosemeters
NT1 extrapolation chambers
NT1 luminescent dosemeters
NT2 rpl dosemeters
NT2 thermoluminescent dosemeters
NT1 photographic film dosemeters
NT1 ritac dosemeters
NT1 ritad dosemeters
RT dosimetry
RT radiation detection
RT radiation detectors
RT radiation doses
RT radiation monitoring
RT radiation monitors
RT scintillation counters
RT semiconductor detectors

DOSES
INIS: Apr 2000; ETDE: Apr 1976
NT1 lethal doses
NT2 lethal radiation dose
NT1 radiation doses
NT2 genetically significant dose
NT2 integral doses
NT2 lethal radiation dose
NT2 somatically significant dose
NT2 threshold dose

doses (lethal)
Use lethal doses

doses (radiation)
Use radiation doses

dosimeters
Use dosemeters

DOSIMETRY
UF *radiation dosimetry*
NT1 alpha dosimetry
NT1 beta dosimetry
NT1 electron dosimetry
NT1 film dosimetry
NT1 gamma dosimetry
NT1 ion dosimetry
NT1 microdosimetry
NT1 neutron dosimetry
NT1 personnel dosimetry
NT1 pion dosimetry
NT1 proton dosimetry
NT1 thermoluminescent dosimetry
NT1 x-ray dosimetry
RT dose equivalents
RT dose ratemeters
RT dosemeters
RT icru
RT lyoluminescence
RT measuring methods
RT radiation detection
RT radiation dose units
RT radiation doses
RT radiation monitoring
RT radiation protection
RT radiations
RT ssdl

DOUBLE BETA DECAY
INIS: Jun 1983; ETDE: Jul 1983
(Decay (A,Z) yields (A,Z+2), and related reactions.)
*BT1 beta-minus decay

DOUBLE BONDS
BT1 chemical bonds
RT binding energy

DOUBLE ENVELOPE BUILDINGS
INIS: Aug 1992; ETDE: Jun 1981
UF *convective loop houses*
UF *double shell houses*
UF *double wall houses*
UF *envelope houses*

UF *thermal envelope houses*
BT1 buildings
RT passive solar heating systems

double focusing spectrometers
Use flat magnetic spectrometers

DOUBLE GLAZING
INIS: Apr 2000; ETDE: Mar 1983
(Two layers of glass or other material used on windows or solar collectors to reduce heat loss. The still air in the space between the windows acts as a good insulator.)
UF *thermal insulating glass*
RT coverings
RT glass
RT glazing materials
RT windows

DOUBLE LABELLING
BT1 labelling
RT labelled compounds

DOUBLE RESONANCE METHODS
INIS: Mar 1977; ETDE: Apr 1977
(Simultaneous excitation of two resonance transitions of different frequencies increasing the sensitivity of high frequency spectroscopy.)
RT absorption spectroscopy
RT eldor
RT electron spin resonance
RT endor
RT nuclear magnetic resonance
RT optical pumping
RT zeeman effect

double shell houses
Use double envelope buildings

double wall houses
Use double envelope buildings

DOUBLET-2 DEVICE
(Octupolar configuration)
*BT1 tokamak devices

DOUBLET-3 DEVICE
INIS: May 1976; ETDE: Apr 1979
UF *diii-d*
*BT1 tokamak devices

DOUBLET REACTORS
INIS: Apr 2000; ETDE: Apr 1978
*BT1 tokamak type reactors

DOUGLAS POINT-1 REACTOR
(Nanjamoy, Maryland, USA)
*BT1 bwr type reactors

DOUGLAS POINT-2 REACTOR
(Nanjamoy, Maryland, USA)
*BT1 bwr type reactors

DOUGLAS POINT ONTARIO REACTOR
(For information indexed before 1976 CANDU REACTOR was used.)
UF *candu reactor*
UF *douglas point power station*
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

douglas point power station
Use douglas point ontario reactor

douglas point site
Use maryland
AND power plants

dounreay fast reactor
Use dfr reactor

dounreay materials testing reactor
Use dmtr reactor

dounreay prototype fast reactor
Use pfr reactor

dow chemical triga-mk-1 reactor
Use dow triga-mk-1 reactor

DOW GASIFICATION PROCESS
INIS: Jul 1992; ETDE: Mar 1986
(Pressurized, entrained flow, slagging, slurry-fed gasification.)
*BT1 coal gasification
RT entrainment

DOW LIQUEFACTION PROCESS
INIS: Apr 2000; ETDE: Jul 1979
(Expendable catalyst system based on emulsion technology, hydrocyclones for partial solids removal, and liquid-liquid extractor.)
*BT1 coal liquefaction

dow pusher 700
Use polyamides

DOW TRIGA-MK-1 REACTOR
(Midland, Michigan, USA)
UF *dow chemical triga-mk-1 reactor*
*BT1 isotope production reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors
*BT1 triga type reactors

dowa process
Use desulfurization

dowex
Use organic ion exchangers

downhole information systems
Use mwd systems

DOWNS SYNDROME
UF *mongolism*
*BT1 congenital diseases
*BT1 congenital malformations
*BT1 hereditary diseases
RT chromosomal aberrations

DOWNWELLING
INIS: Apr 2000; ETDE: Feb 1987
(Process by which a water mass sinks from a shallower to a deeper level.)
RT environmental transport
RT upwelling
RT water currents

dowtherm
Use biphenyl
AND phenyl ether

DOXORUBICIN
INIS: Nov 1980; ETDE: Apr 1980
UF *adriamycin*
*BT1 antibiotics
*BT1 antineoplastic drugs
RT mutagenesis

dpa
Use atomic displacements

DPCA
UF *diphenylcarbazides*
*BT1 carbonic acid derivatives
*BT1 organic nitrogen compounds

dpo
Use organic phosphorus compounds

DPPH
UF *diphenylpicrylhydrazyl*
*BT1 nitro compounds
BT1 radicals
RT hydrazine

DPSO
UF *diamyl sulfoxide*
UF *dipentyl sulfoxide*
*BT1 sulfoxides

DR-1 REACTOR
(Risoe National Lab., Roskilde, Denmark)
UF *danish reactor-1*
*BT1 aqueous homogeneous reactors
*BT1 enriched uranium reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

DR-2 REACTOR
(Risoe National Lab., Roskilde, Denmark)
UF *danish reactor-2*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

DR-3 REACTOR
(Risoe National Lab., Roskilde, Denmark)
UF *danish reactor-3*
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 materials testing reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors

draft control systems
Use flow regulators
AND gas flow

DRAG
UF *drag coefficient*
RT fluid mechanics

drag coefficient
Use drag

drag effect
Use electrophoresis

DRAGLINES
INIS: Apr 2000; ETDE: Oct 1981
(Excavators operated by pulling buckets on cables toward jibs from which they are suspended.)
*BT1 earthmoving equipment
RT excavation
RT mining equipment

DRAGON REACTOR
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 helium cooled reactors
*BT1 htgr type reactors
*BT1 power reactors
*BT1 thermal reactors
*BT1 thorium reactors

drain-down systems
Use freeze protection

DRAINAGE
INIS: Aug 1984; ETDE: Mar 1980
UF *drainage areas*
UF *drainage systems*
RT floods
RT fluid flow
RT hydrology
RT mine draining
RT rivers
RT runoff
RT settling ponds
RT waste water
RT watersheds

drainage areas
Use drainage

drainage systems
Use drainage

draperies
Use curtains

DRAWDOWN
INIS: Apr 1992; ETDE: Jan 1975
(Reduction of fluid level in reservoirs by intentional withdrawal.)
RT ground water
RT pumping
RT reservoir fluids

DRAWING
*BT1 materials working
RT cold working

DREDGE SPOIL
INIS: Oct 1991; ETDE: Apr 1978
RT dredging
RT mineral wastes
RT sediments
RT solid wastes
RT spoil banks

DREDGING
INIS: Oct 1991; ETDE: Apr 1978
RT dredge spoil
RT excavation

DRELL MODEL
RT photoproduction

DRESDEN-1 REACTOR
(Morris, Illinois, USA)
*BT1 bwr type reactors

DRESDEN-2 REACTOR
(Morris, Illinois, USA)
*BT1 bwr type reactors

DRESDEN-3 REACTOR
(Morris, Illinois, USA)
*BT1 bwr type reactors

drf
Use efficiency
AND radioprotective substances

drift (electron)
Use electron drift

drift (ion)
Use ion drift

drift (plasma)
Use plasma drift

DRIFT CHAMBERS
UF *multiwire drift chambers*
*BT1 multiwire proportional chambers
NT1 time projection chambers
RT fermilab collider detector
RT ion-mobility detectors
RT projection spark chambers
RT stanford linear collider detector

DRIFT INSTABILITY
*BT1 plasma microinstabilities
RT plasma drift

drift pumping
Use high-frequency heating

DRIFT TUBES
RT linear accelerators

DRILL BITS
INIS: Mar 1976; ETDE: Sep 1975
*BT1 drilling equipment
*BT1 tools
RT drilling
RT drills
RT jet drills
RT machine tools
RT materials drilling
RT percussive drills
RT rotary drills
RT spark drills

DRILL CORES
(Cylindrical or columnar pieces of solid rock or sections of soil, taken as samples of an underground formation by a special hollow-type drill bit.)
UF *cores (drill)*
RT coring fluids
RT well logging

drill cuttings removal
Use cuttings removal

drill holes
Use boreholes

DRILL PIPES
INIS: Mar 1992; ETDE: Mar 1977
*BT1 drilling equipment
*BT1 pipes
RT drills

drill ships
Use offshore platforms
AND ships

DRILL STEM TESTING
INIS: Apr 2000; ETDE: Jun 1977
(Testing involving temporary completion of a well to prove the productive possibilities of an oil or gas strike with the drill stem in the hole.)
BT1 testing
RT natural gas wells
RT oil wells

DRILLING
INIS: Aug 1991; ETDE: Jan 1975
NT1 directional drilling
NT1 offshore drilling
NT1 rock drilling
NT1 rotary drilling
NT1 well drilling
RT cuttings removal
RT drill bits
RT drilling fluids
RT mwd systems
RT turbodrills
RT wells

drilling (materials)
Use materials drilling

drilling (rock)
Use rock drilling

DRILLING EQUIPMENT
INIS: Mar 1992; ETDE: Mar 1976
(From July 1978 till April 1997 CORING EQUIPMENT was a valid ETDE descriptor.)
UF *core barrel*
UF *coring equipment*
UF *diamond drilling equipment*
BT1 equipment
NT1 blowout preventers
NT1 drill bits
NT1 drill pipes
NT1 drilling rigs
NT1 drills
NT2 jet drills
NT2 percussive drills
NT2 rotary drills
NT3 turbodrills
NT2 spark drills
NT2 subterrene penetrators
RT drilling fluids
RT rotary drilling
RT well drilling

DRILLING FLUIDS
INIS: Oct 1991; ETDE: Jan 1975
(Limited to materials used in well drilling.)
UF *drilling mud*
UF+ *lost circulation*
BT1 fluids
RT coring fluids
RT cuttings removal
RT drilling
RT drilling equipment
RT rotary drilling
RT suspensions

drilling mud
Use drilling fluids

drilling platforms
Use offshore platforms

DRILLING RIGS
INIS: Mar 1992; ETDE: Oct 1975
(A drill machine complete with all tools and accessory equipment needed to drill boreholes.)
*BT1 drilling equipment
RT well drilling

drilling risers
Use marine risers

DRILLS
INIS: May 1992; ETDE: Mar 1977
*BT1 drilling equipment
NT1 jet drills
NT1 percussive drills
NT1 rotary drills
NT2 turbodrills
NT1 spark drills
NT1 subterrene penetrators
RT drill bits
RT drill pipes
RT rock drilling
RT well drilling

DRINKING WATER
UF *potable water*
*BT1 water
RT auxiliary water systems
RT beverages
RT diet
RT food
RT fresh water
RT ingestion
RT water treatment

DROPLET MODEL
*BT1 nuclear models

DROPLETS

BT1 particles
RT aerosols
RT atmospheric precipitations
RT atomization
RT liquids
RT particle size
RT rain
RT spray cooling
RT sprays
RT washout

DROPWISE CONDENSATION

BT1 vapor condensation

DROSOPHILA

*BT1 fruit flies

DROUGHT RESISTANCE

INIS: Mar 1997; ETDE: Apr 1997
RT agriculture
RT biological stress
RT cultivation techniques
RT irrigation
RT plant breeding
RT plant growth
RT water requirements

DROUGHTS

INIS: Jul 1992; ETDE: Jul 1986
(Extensive periods of abnormally dry weather causing serious hydrologic imbalances.)
RT arid lands
RT atmospheric precipitations
RT climates
RT heat stress
RT weather

DRUG ABUSE

INIS: May 1988; ETDE: Aug 1982
RT drugs
RT health hazards
RT human factors
RT occupational safety

DRUGS

(From April 1981 to March 1997 HORMONE ANTAGONISTS was a valid ETDE descriptor.)
UF *hormone antagonists*
UF *medicines*
UF *pharmaceuticals*
UF *therapeutic agents*
NT1 anti-infective agents
NT2 antibiotics
NT3 actinomycin
NT3 bleomycin
NT3 chloramphenicol
NT3 cycloheximide
NT3 doxorubicin
NT3 erythromycin
NT3 mitomycin
NT3 neocarcinostatin
NT3 neomycin
NT3 penicillin
NT3 puromycin
NT3 streptomycin
NT3 streptozocin
NT3 tetracyclines
NT4 oxytetracycline
NT3 valinomycin
NT2 antimicrobial agents
NT3 fudr
NT3 isoniazid
NT3 methylene blue
NT3 quinine
NT3 sulfonamides
NT1 antiandrogens
NT1 antihistaminics
NT1 antimetabolites
NT2 adenines
NT3 kinetin
NT2 aminopterin
NT2 bromouracils
NT3 budr
NT2 deoxyuridine
NT2 ethionine
NT2 fluorodeoxyglucose
NT2 fluorouracils
NT3 fudr
NT2 iodouracils
NT3 iododeoxyuridine
NT2 mercaptopurine
NT2 methotrexate
NT2 thiouracil
NT1 antimitotic drugs
NT2 actinomycin
NT2 bleomycin
NT2 colchicine
NT2 mitomycin
NT2 nem
NT2 oncovin
NT2 vinblastine
NT1 antineoplastic drugs
NT2 actinomycin
NT2 aminopterin
NT2 bleomycin
NT2 chlorambucil
NT2 doxorubicin
NT2 metronidazole
NT2 misonidazole
NT2 mitomycin
NT2 neocarcinostatin
NT2 puromycin
NT2 streptozocin
NT1 antithyroid drugs
NT2 thiocyanates
NT3 ammonium thiocyanates
NT2 thiouracil
NT2 thiourea
NT1 autonomic nervous system agents
NT2 neuroregulators
NT3 acetylcholine
NT3 adrenaline
NT3 aminobutyric acid
NT3 dopa
NT3 dopamine
NT3 endorphins
NT4 enkephalins
NT3 noradrenaline
NT3 serotonin
NT4 bufotenine
NT2 parasympatholytics
NT3 atropine
NT3 nicotine
NT2 parasympathomimetics
NT3 acetylcholine
NT3 eserine
NT3 nicotine
NT3 pilocarpine
NT2 spiperone
NT2 sympatholytics
NT3 ergotamine
NT3 reserpine
NT2 sympathomimetics
NT3 adrenaline
NT3 amphetamines
NT4 benzedrine
NT3 dopamine
NT3 ephedrine
NT3 noradrenaline
NT3 serotonin
NT4 bufotenine
NT3 tyramine
NT1 cardiovascular agents
NT2 antihypertensive agents
NT3 reserpine
NT2 cardiotonics
NT3 adrenaline
NT3 cardiac glycosides
NT4 digitalis glycosides
NT5 digitoxin
NT5 digoxin
NT4 strophanthins
NT5 ouabain
NT3 dopamine
NT3 noradrenaline
NT2 vasoconstrictors
NT3 angiotensin
NT3 ephedrine
NT2 vasodilators
NT3 dipyridamole
NT3 theobromine
NT3 theophylline
NT1 central nervous system agents
NT2 analeptics
NT3 amphetamines
NT4 benzedrine
NT3 caffeine
NT2 central nervous system depressants
NT3 analgesics
NT4 acetylsalicylic acid
NT4 antipyrine
NT4 codeine
NT4 opium
NT5 morphine
NT6 thebaine
NT4 pethidine
NT3 anesthetics
NT4 barbiturates
NT5 nembutal
NT5 phenobarbital
NT4 cocaine
NT4 procaine
NT3 anticonvulsants
NT4 phenobarbital
NT3 antipyretics
NT4 acetylsalicylic acid
NT4 antipyrine
NT4 colchicine
NT4 quinine
NT3 hypnotics and sedatives
NT4 barbiturates
NT5 nembutal
NT5 phenobarbital
NT4 chlorpromazine
NT4 codeine
NT4 reserpine
NT3 narcotics
NT4 heroin
NT4 methadone hydrochloride
NT4 opium
NT5 morphine
NT6 thebaine
NT4 pethidine
NT2 psychotropic drugs
NT3 antidepressants
NT4 cocaine
NT4 imipramine
NT3 hallucinogens
NT4 bufotenine
NT3 tranquilizers
NT4 chlorpromazine
NT4 reserpine
NT1 diuretics
NT2 neohydrin
NT2 sorbitol
NT2 theobromine
NT2 theophylline
NT1 hematologic agents
NT2 anticoagulants
NT3 coumarin
NT3 heparin
NT3 psoralen
NT2 blood substitutes
NT3 dextran
NT3 pectins
NT3 pvp

NT2 coagulants
NT3 protamines
NT2 fibrinolytic agents
NT3 fibrinolysin
NT3 plasminogen
NT3 urokinase
NT2 hematinics
NT3 folic acid
NT3 intrinsic factor
NT3 vitamin b-12
NT1 immunosuppressive drugs
NT2 cyclosporine
NT2 endoxan
NT1 lipotropic factors
NT2 betaine
NT2 choline
NT2 ethionine
NT2 inositol
NT2 methionine
NT2 phytic acid
NT2 thioctic acid
NT1 radiomimetic drugs
NT2 neocarcinostatin
NT1 radiopharmaceuticals
NT1 radioprotective substances
NT2 aet
NT2 bal
NT2 cystamine
NT2 cystaphos
NT2 dtpa
NT2 gammaphos
NT2 glutathione
NT2 hydroxytryptophan
NT2 kallikrein
NT2 mea
NT2 meg
NT2 mercaptopropylamine
NT2 mexamine
NT2 mpg
NT2 penicillamine
NT2 serotonin
NT3 bufotenine
NT1 radiosensitizers
NT2 fudr
NT2 metronidazole
NT2 misonidazole
NT2 nem
NT2 triacetoneamine-n-oxyl
RT antiseptics
RT chelating agents
RT chemotherapy
RT clinical trials
RT consumer products
RT disinfectants
RT drug abuse
RT food additives
RT medical supplies
RT medicinal plants
RT microbial drug resistance
RT mutagens
RT ointments
RT pharmacology
RT teratogens
RT therapy
RT toxicity
RT vitamins
RT xenobiotics

DRUM WALLS

INIS: Aug 1992; ETDE: Feb 1979
UF *baer walls*
*BT1 passive solar cooling systems
*BT1 passive solar heating systems
BT1 walls
RT buildings

DRY ASHING

UF *ashing (dry)*
RT combustion
RT sample preparation

dry deposition

Use deposition

DRY HOLES

INIS: Apr 2000; ETDE: Jun 1977
(Wells that are not expected to produce hydrocarbons in sufficient quantities to make their development into producing wells a worthwhile proposition. They may or may not have shown the presence of oil or gas.)
BT1 wells
RT natural gas wells
RT oil wells

DRY SCRUBBERS

INIS: Jul 1992; ETDE: Jul 1981
(Scrubbers in which a slurry is sprayed, or dry powder is injected, into the flue gas to react with the sulfur dioxide and collected in a baghouse or precipitator.)
*BT1 scrubbers
RT desulfurization
RT flue gas
RT spray drying

dry-steam systems

Use vapor-dominated systems

DRY STORAGE

INIS: Feb 1982; ETDE: Jun 1981
BT1 storage
RT away-from-reactor storage
RT radioactive waste storage
RT spent fuel storage
RT wet storage

dry-type cooling towers

Use closed-cycle cooling systems
AND cooling towers

DRYERS

INIS: Oct 1976; ETDE: Oct 1975
(From January 1977 to February 1997 DEHYDRATORS was a valid ETDE descriptor.)
UF *dehydrators*
NT1 clothes dryers
NT1 microwave dryers
NT1 solar dryers
RT dehumidifiers
RT desiccants
RT dewatering equipment
RT drying
RT evaporators

DRYING

(From December 1978 to February 1997 DEHUMIDIFICATION was a valid ETDE descriptor.)
SF *dehumidification*
NT1 solar drying
NT1 spray drying
RT coal preparation
RT curing
RT dehydration
RT desiccants
RT dryers
RT evaporation
RT lyophilization
RT solar kilns

DRYOUT

RT burnout
RT heat flux
RT hot spots
RT rewetting

DSA METHOD

INIS: Dec 1979; ETDE: Jan 1980
(Used for the determination of lifetimes of nuclear levels.)
UF *doppler shift attenuation method*
BT1 counting techniques
RT doppler effect
RT lifetime

dsnadns

Use arsonic acids
AND azo dyes
AND dicarboxylic acids
AND naphthols
AND sulfonic acids

dta

Use differential thermal analysis

dto

Use deuterium compounds
AND tritium oxides

DTPA

(Diethylenetriaminepentaacetic acid)
UF *diethylenetriaminepentaacetic acid*
*BT1 amino acids
BT1 chelating agents
*BT1 radioprotective substances

DUAL ABSORPTION MODEL

*BT1 particle models

DUAL CYCLE COOLING SYSTEMS

*BT1 reactor cooling systems

dual energy use systems

Use cogeneration

DUAL-FUEL ENGINES

INIS: Jul 1992; ETDE: Jul 1977
(Usually diesel engines modified to include a gas supply system for operation in dual mode.)
*BT1 internal combustion engines
RT diesel engines
RT fuel gas

DUAL-ISOTOPE SUBTRACTION TECHNIQUE

(Until July 1992, this descriptor was spelled DUAL-ISOTOPESUBTRACTION TEC.)
*BT1 tracer techniques
RT radiopharmaceuticals
RT scintiscanning

DUAL-PURPOSE POWER PLANTS

INIS: Jan 1977; ETDE: Mar 1976
UF *cogeneration plants*
SF *mcpp*
SF *modular cogeneration power plants*
BT1 power plants
RT cogeneration
RT desalination
RT desalination plants
RT district heating
RT power generation
RT process heat
RT refuse-fueled power plants

DUAL RESONANCE MODEL

*BT1 veneziano model
RT duality

DUAL TEMPERATURE PROCESS

UF *gs process*
*BT1 isotope separation
BT1 isotopic exchange
RT heavy water

DUALITY
(Correlation between resonance poles and scattering amplitudes.)
RT dual resonance model
RT scattering amplitudes

DUANE ARNOLD-1 REACTOR
(Palo, Iowa, USA)
*BT1 bwr type reactors

dubai
Use united arab emirates

DUBNA
INIS: Apr 2000; ETDE: Dec 1974
*BT1 russian federation

dubna ibr-2 reactor
Use ibr-2 reactor

dubna pulsed reactor
Use ibr-2 reactor

DUBNA SYNCHROCYCLOTRON
*BT1 synchrocyclotrons

dubna, jinr
Use jinr

DUCKS
*BT1 fowl

DUCTILE-BRITTLE TRANSITIONS
UF *transitions (ductile-brittle)*
RT brittleness
RT ductility
RT embrittlement
RT transition temperature

DUCTILITY
*BT1 tensile properties
RT brittle-ductile transitions
RT ductile-brittle transitions
RT plasticity

DUCTS
UF+ *ventilation ducts*
RT diffusers
RT fuel channels
RT openings
RT pipes
RT tubes

ducts (tear)
Use lacrimal ducts

DUDVAH RIVER
INIS: Dec 2001; ETDE: Nov 1999
*BT1 rivers
RT slovakia

DUKOVANY-1 REACTOR
INIS: Aug 1997; ETDE: Aug 1997
(Dukovany, South Moravia, Czech Republic)
SF *dukovany v-2 reactor*
SF *v-2 reactor (dukovany)*
*BT1 wwer type reactors

DUKOVANY-2 REACTOR
INIS: Aug 1997; ETDE: Aug 1997
(Dukovany, South Moravia, Czech Republic)
SF *dukovany v-2 reactor*
SF *v-2 reactor (dukovany)*
*BT1 wwer type reactors

DUKOVANY-3 REACTOR
INIS: Aug 1997; ETDE: Aug 1997
(Dukovany, South Moravia, Czech Republic)
SF *dukovany v-2 reactor*
SF *v-2 reactor (dukovany)*
*BT1 wwer type reactors

DUKOVANY-4 REACTOR
INIS: Aug 1997; ETDE: Aug 1997
(Dukovany, South Moravia, Czech Republic)
SF *dukovany v-2 reactor*
SF *v-2 reactor (dukovany)*
*BT1 wwer type reactors

dukovany v-2 reactor
See dukovany-1 reactor
OR dukovany-2 reactor
OR dukovany-3 reactor
OR dukovany-4 reactor

DUMAND PROJECT
INIS: Apr 1980; ETDE: Sep 1979
(Deep Underwater Muon And Neutrino Detection Project.)
RT acoustic detection
RT coordinated research programs
RT international cooperation
RT muon detection
RT neutrino detection
RT underwater
RT underwater facilities

dumontite
Use phosphate minerals
AND uranium minerals

dunes
See sand

DUNGENESS-A REACTOR
(Dungeness Point, Kent, UK)
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 thermal reactors

DUNGENESS-B REACTOR
(Romney Marsh, Kent, UK)
*BT1 agr type reactors
*BT1 carbon dioxide cooled reactors
*BT1 power reactors
*BT1 thermal reactors

duodenum
Use small intestine

DUOPLASMATRONS
BT1 ion sources
*BT1 plasmatrons

DURALUMIN
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-al95cu4

DURANALIUM
INIS: Apr 2000; ETDE: Dec 1974
*BT1 aluminium base alloys
*BT1 magnesium alloys

DURANICKEL
INIS: Apr 2000; ETDE: Dec 1974
*BT1 aluminium alloys
*BT1 copper additions
*BT1 iron additions
*BT1 manganese additions
*BT1 nickel base alloys
*BT1 silicon additions
*BT1 titanium additions

DURCO
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium-nickel steels

DURENE
UF *1,2,4,5-tetramethylbenzene*
*BT1 aromatics
*BT1 hydrocarbons

DURIRON
INIS: Apr 2000; ETDE: Dec 1974
*BT1 carbon additions
*BT1 iron base alloys
*BT1 manganese additions
*BT1 silicon alloys

DUST COLLECTORS
INIS: Oct 1976; ETDE: Feb 1976
UF *collectors (dust)*
RT dusts
RT electrostatic precipitators
RT fabric filters
RT filters
RT inertial separators
RT scrubbers
RT separation processes

DUST COOLED REACTORS
BT1 reactors

dust fueled reactors
Use fluid fueled reactors

DUSTS
UF *respirable dusts*
NT1 cosmic dust
RT acoustic agglomerators
RT aerosols
RT dispersions
RT dust collectors
RT elutriation
RT filters
RT inhalation
RT lunar materials
RT overburden
RT particle resuspension
RT particle size
RT particles
RT particulates
RT pneumoconioses
RT powders
RT respirators
RT rock dusting
RT sedimentation

DWARF STARS
BT1 stars
NT1 black dwarf stars
NT1 red dwarf stars
NT1 white dwarf stars
RT helium burning

DWBA
UF *approximation (distorted-wave)*
UF *distorted wave born approximation*
BT1 born approximation
RT distorted wave theory
RT nuclear reaction kinetics
RT scattering

DYE LASERS
(Based on transitions between vibrationally broadened electronic states of polyatomic molecules.)
*BT1 liquid lasers
RT chemical lasers

DYES
UF+ *murexide*
UF+ *purpuric acid*
SF *chemicals*
NT1 acridine orange
NT1 alizarin
NT1 azo dyes
NT2 eriochrome dyes
NT2 evans blue
NT2 methyl orange
NT2 methyl red
NT2 toluidine blue

NT2 trypan blue
NT1 curcumin
NT1 cyanine dyes
NT1 eosin
NT1 fluorescein
NT2 erythrosine
NT1 hematoxylin
NT1 indigo
NT1 indocyanine green
NT1 morin
NT1 phthalocyanines
NT1 pyrocatechol violet
NT1 quinizarin
NT1 rhodamines
NT1 rose bengal
NT1 squarylium dyes
NT1 triphenylmethane dyes
NT2 methyl violet
NT2 methylthymol blue
NT1 xylenol orange
RT anthraquinones
RT carminic acid
RT chromotropic acid
RT colorimetric dosemeters
RT diazo compounds
RT inks
RT organic solar cells
RT photochromic materials
RT stains

dymac system
Use nuclear materials management
AND plutonium

DYNAMIC FUNCTION STUDIES
INIS: Oct 1975; ETDE: Dec 1975
UF *dynamic studies (biological)*
RT biological functions
RT biological markers
RT equilibrium
RT flow rate
RT radionuclide kinetics
RT radiopharmaceuticals
RT sequential scanning
RT structure-activity relationships
RT tracer techniques

dynamic inducer rotors
Use tipvane rotors

DYNAMIC LOADS
INIS: Feb 1981; ETDE: Aug 1976
UF *load (dynamic)*
UF *loads (dynamic)*
NT1 wind loads
RT deformation
RT mechanical tests
RT mechanical vibrations
RT pipe whip
RT ratcheting
RT soil-structure interactions
RT static loads
RT stresses

DYNAMIC MASS SPECTROMETERS
UF *r-f mass spectrometers*
*BT1 mass spectrometers
NT1 energy balance mass spectrometers
NT1 time-of-flight mass spectrometers

dynamic materials accountability system
Use nuclear materials management
AND plutonium

DYNAMIC PROGRAMMING
BT1 programming
RT econometrics
RT linear programming
RT mathematical models
RT nonlinear programming
RT optimization

dynamic studies (biological)
Use dynamic function studies

dynamical boson-fermion symmetry
Use boson-fermion symmetry

DYNAMICAL GROUPS
BT1 symmetry groups
NT1 o groups
RT boson-fermion symmetry

DYNAMICS
(Study of the motion of a system of particles under the influence of forces.)
BT1 mechanics
NT1 beam dynamics
NT2 beam bunching
NT2 betatron oscillations
NT2 phase oscillations
NT2 synchrotron oscillations
RT bifurcation
RT collisions
RT kinetics
RT limit cycle

dynamics (beam)
Use beam dynamics

DYNAMITE
*BT1 chemical explosives

DYNAMITRONS
*BT1 electrostatic accelerators
RT tandem electrostatic accelerators

DYNAMOMETERS
BT1 measuring instruments

DYNODES
RT electron multipliers

DYONS
(Hypothetical particles endowed with both electric and magnetic charges.)
*BT1 postulated particles

DYSON REPRESENTATION
RT boson expansion
RT quantum field theory

DYSPROSIUM
*BT1 rare earths

DYSPROSIUM 141
INIS: Aug 1984; ETDE: Sep 1984
BT1 dysprosium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

DYSPROSIUM 142
INIS: Feb 1987; ETDE: May 1987
BT1 dysprosium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

DYSPROSIUM 143
INIS: Aug 1984; ETDE: Sep 1984
BT1 dysprosium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

DYSPROSIUM 144
INIS: Oct 1986; ETDE: Nov 1986
BT1 dysprosium isotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

DYSPROSIUM 145
INIS: Aug 1982; ETDE: Jul 1982
*BT1 beta-plus decay radioisotopes
BT1 dysprosium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

DYSPROSIUM 146
INIS: Sep 1981; ETDE: Sep 1981
*BT1 beta-plus decay radioisotopes
BT1 dysprosium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

DYSPROSIUM 147
*BT1 beta-plus decay radioisotopes
BT1 dysprosium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

DYSPROSIUM 148
*BT1 beta-plus decay radioisotopes
BT1 dysprosium isotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

DYSPROSIUM 149
*BT1 beta-plus decay radioisotopes
BT1 dysprosium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

DYSPROSIUM 150
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
BT1 dysprosium isotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

DYSPROSIUM 151
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
BT1 dysprosium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

DYSPROSIUM 152
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
BT1 dysprosium isotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 rare earth nuclei

DYSPROSIUM 153
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
BT1 dysprosium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 rare earth nuclei

DYSPROSIUM 154
*BT1 alpha decay radioisotopes
BT1 dysprosium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 years living radioisotopes

DYSPROSIUM 154 TARGET
INIS: Sep 1977; ETDE: Nov 1977
BT1 targets

DYSPROSIUM 155
*BT1 beta-plus decay radioisotopes
BT1 dysprosium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 rare earth nuclei

DYSPROSIUM 156
BT1 dysprosium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

DYSPROSIUM 156 TARGET
INIS: Feb 1976; ETDE: Jul 1976
BT1 targets

DYSPROSIUM 157
*BT1 beta-plus decay radioisotopes
BT1 dysprosium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 rare earth nuclei

DYSPROSIUM 158
BT1 dysprosium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

DYSPROSIUM 158 TARGET
INIS: Sep 1975; ETDE: Jul 1976
BT1 targets

DYSPROSIUM 159
*BT1 days living radioisotopes
BT1 dysprosium isotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 internal conversion radioisotopes
*BT1 rare earth nuclei

DYSPROSIUM 160
BT1 dysprosium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

DYSPROSIUM 160 TARGET
BT1 targets

DYSPROSIUM 161
BT1 dysprosium isotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

DYSPROSIUM 161 REACTIONS
INIS: Nov 1984; ETDE: Nov 1984
*BT1 heavy ion reactions

DYSPROSIUM 161 TARGET
BT1 targets

DYSPROSIUM 162
BT1 dysprosium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

DYSPROSIUM 162 TARGET
BT1 targets

DYSPROSIUM 163
BT1 dysprosium isotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

DYSPROSIUM 163 TARGET
BT1 targets

DYSPROSIUM 164
BT1 dysprosium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

DYSPROSIUM 164 TARGET
BT1 targets

DYSPROSIUM 165
*BT1 beta-minus decay radioisotopes
BT1 dysprosium isotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

DYSPROSIUM 165 TARGET
INIS: Aug 1981; ETDE: Sep 1981
BT1 targets

DYSPROSIUM 166
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
BT1 dysprosium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei

DYSPROSIUM 167
*BT1 beta-minus decay radioisotopes
BT1 dysprosium isotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

DYSPROSIUM 168
INIS: Aug 1982; ETDE: May 1980
*BT1 beta-minus decay radioisotopes
BT1 dysprosium isotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

DYSPROSIUM 169
INIS: Dec 1990; ETDE: Jan 1991
*BT1 beta-minus decay radioisotopes
BT1 dysprosium isotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

DYSPROSIUM ADDITIONS
(Alloys containing not more than 1% Dy are listed here.)
*BT1 dysprosium alloys
*BT1 rare earth additions

DYSPROSIUM ALLOYS
(Alloys containing more than 1% Dy.)
*BT1 rare earth alloys
NT1 dysprosium additions
NT1 dysprosium base alloys

DYSPROSIUM BASE ALLOYS
*BT1 dysprosium alloys

DYSPROSIUM BORIDES
*BT1 borides
*BT1 dysprosium compounds

DYSPROSIUM BROMIDES
*BT1 bromides
*BT1 dysprosium compounds

DYSPROSIUM CARBIDES
*BT1 carbides
*BT1 dysprosium compounds

DYSPROSIUM CHLORIDES
*BT1 chlorides
*BT1 dysprosium compounds

DYSPROSIUM COMPLEXES
*BT1 rare earth complexes

DYSPROSIUM COMPOUNDS
UF+ *dysprosium perchlorates*
BT1 rare earth compounds
NT1 dysprosium borides
NT1 dysprosium bromides
NT1 dysprosium carbides
NT1 dysprosium chlorides
NT1 dysprosium fluorides
NT1 dysprosium hydrides
NT1 dysprosium hydroxides
NT1 dysprosium iodides
NT1 dysprosium nitrates
NT1 dysprosium nitrides
NT1 dysprosium oxides
NT1 dysprosium phosphates
NT1 dysprosium phosphides
NT1 dysprosium selenides
NT1 dysprosium silicates
NT1 dysprosium silicides
NT1 dysprosium sulfates
NT1 dysprosium sulfides
NT1 dysprosium tellurides
NT1 dysprosium tungstates

DYSPROSIUM FLUORIDES
*BT1 dysprosium compounds
*BT1 fluorides

DYSPROSIUM HYDRIDES
*BT1 dysprosium compounds
*BT1 hydrides

DYSPROSIUM HYDROXIDES
*BT1 dysprosium compounds
*BT1 hydroxides

DYSPROSIUM IODIDES
*BT1 dysprosium compounds
*BT1 iodides

DYSPROSIUM IONS
*BT1 ions

DYSPROSIUM ISOTOPES
NT1 dysprosium 141
NT1 dysprosium 142
NT1 dysprosium 143
NT1 dysprosium 144
NT1 dysprosium 145
NT1 dysprosium 146
NT1 dysprosium 147
NT1 dysprosium 148

NT1 dysprosium 149
NT1 dysprosium 150
NT1 dysprosium 151
NT1 dysprosium 152
NT1 dysprosium 153
NT1 dysprosium 154
NT1 dysprosium 155
NT1 dysprosium 156
NT1 dysprosium 157
NT1 dysprosium 158
NT1 dysprosium 159
NT1 dysprosium 160
NT1 dysprosium 161
NT1 dysprosium 162
NT1 dysprosium 163
NT1 dysprosium 164
NT1 dysprosium 165
NT1 dysprosium 166
NT1 dysprosium 167
NT1 dysprosium 168
NT1 dysprosium 169

DYSPROSIUM NITRATES
*BT1 dysprosium compounds
*BT1 nitrates

DYSPROSIUM NITRIDES
*BT1 dysprosium compounds
*BT1 nitrides

DYSPROSIUM OXIDES
*BT1 dysprosium compounds
*BT1 oxides

dysprosium perchlorates
Use dysprosium compounds
AND perchlorates

DYSPROSIUM PHOSPHATES
INIS: Oct 1975; ETDE: Oct 1975
*BT1 dysprosium compounds
*BT1 phosphates

DYSPROSIUM PHOSPHIDES
INIS: Apr 2000; ETDE: Apr 1977
*BT1 dysprosium compounds
*BT1 phosphides

DYSPROSIUM SELENIDES
INIS: Feb 1982; ETDE: Dec 1977
*BT1 dysprosium compounds
*BT1 selenides

DYSPROSIUM SILICATES
INIS: Sep 1991; ETDE: Dec 1982
*BT1 dysprosium compounds
*BT1 silicates

DYSPROSIUM SILICIDES
*BT1 dysprosium compounds
*BT1 silicides

DYSPROSIUM SULFATES
*BT1 dysprosium compounds
*BT1 sulfates

DYSPROSIUM SULFIDES
*BT1 dysprosium compounds
*BT1 sulfides

DYSPROSIUM TELLURIDES
INIS: Feb 1978; ETDE: Oct 1977
*BT1 dysprosium compounds
*BT1 tellurides

DYSPROSIUM TUNGSTATES
INIS: Apr 2000; ETDE: Jun 1977
*BT1 dysprosium compounds
*BT1 tungstates

E

e-1422 resonances
Use f1-1420 mesons

e-beam type reactors
Use electron beam fusion reactors

E CENTERS
*BT1 color centers

E CODES
BT1 computer codes

e layer
Use e region

E REGION
UF *e layer*
*BT1 ionosphere
NT1 sporadic e

E STATES
BT1 energy levels

E0-TRANSITIONS
INIS: Feb 1978; ETDE: Apr 1978
(Electric monopole transitions.)
UF *electric monopole transitions*
*BT1 multipole transitions

E1-TRANSITIONS
INIS: Feb 1978; ETDE: Apr 1978
(Electric dipole transitions.)
UF *electric dipole transitions*
*BT1 multipole transitions

E2-TRANSITIONS
INIS: Feb 1978; ETDE: Apr 1978
(Electric quadrupole transitions.)
UF *electric quadrupole transitions*
*BT1 multipole transitions

E3-TRANSITIONS
INIS: Feb 1978; ETDE: Apr 1978
(Electric octupole transitions.)
UF *electric octupole transitions*
*BT1 multipole transitions

E4-TRANSITIONS
INIS: Feb 1978; ETDE: Apr 1978
(Electric hexadecapole transitions.)
UF *electric hexadecapole transitions*
*BT1 multipole transitions

early notification convention
Use cenna

EARLY RADIATION EFFECTS
UF *immediate radiation effects*
UF+ *early radiation injuries*
*BT1 biological radiation effects
RT biological indicators
RT delayed radiation effects
RT time dependence

early radiation injuries
Use early radiation effects
AND radiation injuries

ears
Use auditory organs

earth (electric grounds)
Use electric grounds

EARTH ATMOSPHERE
NT1 earth magnetosphere
NT2 magnetotail
NT2 plasma sheet
NT2 plasmapause
NT2 plasmasphere
NT1 exosphere
NT1 ionosphere
NT2 c region
NT2 d region
NT2 e region
NT3 sporadic e
NT2 f region
NT3 f1 layer
NT3 f2 layer
NT3 spread f
NT1 mesosphere
NT1 stratosphere
NT1 thermosphere
NT1 troposphere
NT2 tropopause
RT air
RT airglow
RT atmospheric circulation
RT atmospheric explosions
RT atmospheric precipitations
RT atmospheric pressure
RT earth planet
RT environment
RT fallout
RT geocorona
RT global aspects
RT greenhouse effect
RT meteorology
RT radioactive clouds
RT residence half-time
RT surface air
RT temperature inversions

EARTH BERMS
INIS: Apr 2000; ETDE: Sep 1979
(Earth banks used to moderate temperature change.)
UF *berms*
RT earth-covered buildings
RT landscaping
RT thermal insulation

EARTH CORE
INIS: Feb 1988; ETDE: Feb 1988
UF *core (earth)*
RT earth crust
RT earth mantle
RT earth planet

EARTH-COVERED BUILDINGS
INIS: Aug 1992; ETDE: Sep 1977
UF *underground buildings*
BT1 buildings
RT earth berms
RT fallout shelters
RT subsurface structures

EARTH CRUST
(Prior to March 1997 MOHOLE PROJECT was a valid ETDE descriptor.)
SF *mohole project*
NT1 continental crust
NT1 oceanic crust
RT earth core
RT earth mantle
RT earth planet
RT geology
RT geomorphology
RT geothermal energy
RT natural occurrence
RT particle resuspension
RT plate tectonics
RT sea bed
RT sea-floor spreading
RT soil mechanics
RT volcanoes

EARTH MAGNETOSPHERE
UF *magnetosphere (earth)*
BT1 earth atmosphere
NT1 magnetotail
NT1 plasma sheet
NT1 plasmapause
NT1 plasmasphere
RT geomagnetic field
RT international magnetospheric study
RT loss cone
RT magnetic storms
RT magnetopause
RT magnetosheath
RT planetary magnetospheres
RT polar cusp
RT radiation belts

EARTH MANTLE
INIS: Dec 1985; ETDE: Feb 1975
(Intermediate shell zone of the earth below the crust and above the core.)
SF *mohole project*
RT earth core
RT earth crust
RT earth planet
RT overburden

EARTH PENETRATORS
INIS: Apr 2000; ETDE: Sep 1976
BT1 penetrators
NT1 subterrene penetrators
RT projectiles

EARTH PLANET
SF *world*
BT1 planets
NT1 northern hemisphere
NT1 southern hemisphere
RT continental crust
RT earth atmosphere
RT earth core
RT earth crust
RT earth mantle
RT geography
RT geology
RT geophysics
RT oceanic crust
RT oceanography
RT topography

earthing
Use electric grounds

earthing (electric grounds)
Use electric grounds

EARTHMOVING EQUIPMENT
INIS: Jun 1983; ETDE: Mar 1977
UF *excavators*
*BT1 materials handling equipment
NT1 bucket wheel excavators
NT1 draglines
RT boreholes
RT excavation
RT mining equipment
RT vehicles

earthquake foci
Use earthquakes
AND origin

earthquake magnitude
Use earthquakes

EARTHQUAKES
(From June 1978 until March 1996 EARTHQUAKE MAGNITUDE was a valid ETDE descriptor.)
UF *earthquake magnitude*
UF+ *benioff zone*
UF+ *earthquake foci*
BT1 seismic events
NT1 microearthquakes
RT aftershocks
RT epicenters
RT exceptional natural disaster
RT foreshocks
RT geodetic surveys
RT geologic faults
RT ground motion
RT hypocenters
RT landslides
RT precursor
RT rayleigh waves
RT seismic effects
RT seismic isolation
RT seismic p waves
RT seismic s waves
RT seismic surface waves
RT seismic waves
RT seismicity
RT seismographs
RT seismology
RT shock waves
RT soil-structure interactions
RT tsunamis

earthworms
Use annelids

east china sea
Use china sea

east coast
Use us east coast

east facility
See savannah river plant

EAST MESA GEOTHERMAL FIELD
INIS: Jun 1992; ETDE: Mar 1977
BT1 geothermal fields
RT imperial valley

east pakistan
Use bangladesh

EAST-WEST ASYMMETRY
(For global aspects only.)
BT1 asymmetry
RT cosmic radiation
RT geographical variations

EASTERN EUROPE
INIS: Feb 1993; ETDE: Jan 1993
BT1 europe
NT1 albania
NT1 belarus
NT1 bosnia and herzegovina
NT1 bulgaria
NT1 croatia
NT1 czech republic
NT1 estonia
NT1 hungary
NT1 latvia
NT1 lithuania
NT1 moldova
NT1 poland
NT1 romania
NT1 russian federation
NT2 dubna
NT2 kamchatka
NT2 kurile islands
NT2 lovozero
NT2 novaya zemlya
NT2 siberia
NT1 slovakia
NT1 slovenia
NT1 the former yugoslav republic of macedonia
NT1 ukraine
NT2 crimea
NT1 yugoslavia

easton power reactor
Use fitzpatrick reactor

EBASCO STANDARD PLANT
INIS: Nov 1978; ETDE: Aug 1978
(Ebasco Services reference PWR nuclear power plant.)
*BT1 nuclear power plants

ebd
Use energy beam deposition

ebd films
Use energy beam deposition
AND thin films

ebfa
Use electron beam fusion accelerator

ebic
Use scanning electron microscopy

ebis
Use electron beam ion sources

EBONITE
BT1 vulcanized elastomers

EBOR REACTOR
UF *experimental beryllium oxide reactor*
*BT1 beryllium moderated reactors
*BT1 enriched uranium reactors
*BT1 helium cooled reactors
*BT1 power reactors
*BT1 research reactors
*BT1 solid homogeneous reactors
*BT1 test reactors
*BT1 thermal reactors

EBR-1 REACTOR
(ANL, Argonne, Illinois, USA)
UF *experimental breeder reactor-1*
*BT1 experimental reactors
*BT1 lmfbr type reactors
*BT1 nak cooled reactors
*BT1 plutonium reactors
*BT1 potassium cooled reactors
*BT1 power reactors
*BT1 research reactors
*BT1 sodium cooled reactors
*BT1 test reactors
RT natural uranium reactors

EBR-2 REACTOR
UF *experimental breeder reactor-2*
*BT1 experimental reactors
*BT1 lmfbr type reactors
*BT1 power reactors
*BT1 sodium cooled reactors
RT enriched uranium reactors
RT plutonium reactors

EBULLATED BED
INIS: Apr 2000; ETDE: Feb 1978
(Gas-liquid-solid fluidization.)
RT fluidized beds
RT packed beds

EBWR REACTOR
UF *experimental boiling water reactor*
*BT1 bwr type reactors
*BT1 experimental reactors

ECAT SCANNING
INIS: Apr 1980; ETDE: May 1979
(Emission Computer Axial Tomography scanning.)
UF *emission computer axial tomography scanning*
*BT1 emission computed tomography
*BT1 photon emission scanning
RT image processing
RT radioisotope scanning
RT radiopharmaceuticals

eccles-jordan circuits
Use flip-flop circuits

ECCS
UF *emergency core cooling system*
*BT1 reactor protection systems
NT1 core flooding systems
NT1 core spray systems
NT1 high pressure coolant injection
NT1 low pressure coolant injection
RT depressurization systems
RT reactor safety experiments
RT safety injection

ECEL REACTOR
*BT1 fast reactors
*BT1 zero power reactors

echelle gratings
Use diffraction gratings

echelon gratings
Use diffraction gratings

ECHINODERMS
*BT1 benthos
*BT1 invertebrates
NT1 sea urchins
RT exoskeleton

echography
Use ultrasonography

ECLIPSE
UF *lunar occultation*
UF *occultation*
UF *solar occultation*
RT astronomy

ECN
INIS: Feb 1977; ETDE: Apr 1977
(Energieonderzoek Centrum Nederland; prior to 1 August 1976 known as Reactor Centrum Nederland, and documents written before that date should be indexed to RCN.)
UF *energieonderzoek centrum nederland*
*BT1 netherlands organizations
NT1 rcn

ECO REACTOR
UF *experience critique orgel*
*BT1 heavy water moderated reactors
*BT1 natural uranium reactors
*BT1 organic cooled reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors

ecological communities
Use ecosystems

ECOLOGICAL CONCENTRATION
INIS: Jul 1976; ETDE: Nov 1975
(Concentration of a substance in organisms or the environment.)
UF *concentration processes (ecological)*
UF *environmental concentration*
UF *transfer factors (biological)*
SF *concentration*
NT1 radioecological concentration
RT carbon cycle
RT concentration ratio
RT environmental transport
RT mineral cycling
RT nitrogen cycle
RT sulfur cycle

ECOLOGICAL SUCCESSION
INIS: Jul 1986; ETDE: Jul 1981
(Orderly and progressive change in animal and/or plant communities.)
RT competition
RT ecology
RT population dynamics
RT species diversity

ECOLOGY
NT1 baseline ecology
NT1 radioecology
RT animals
RT biological adaptation
RT biological extinction
RT ecological succession
RT ecosystems
RT home range
RT predator-prey interactions
RT regional analysis
RT species diversity
RT symbiosis

ECONOMETRICS
(The application of mathematical methods to the study of economic data and problems.)
BT1 economics
RT dynamic programming
RT economic analysis
RT economic elasticity
RT linear programming
RT nonlinear programming
RT optimization

ECONOMIC ANALYSIS
INIS: Dec 1982; ETDE: Apr 1978
BT1 economics
NT1 cost benefit analysis
NT1 input-output analysis
RT capitalized cost
RT econometrics
RT economy
RT energy analysis
RT operating cost
RT per capita values
RT regional analysis
RT regression analysis

ECONOMIC DEVELOPMENT
UF *economic growth*
UF *growth (economic)*
RT centrally planned economies
RT commercial sector
RT commercialization
RT developed countries
RT economic policy
RT economics
RT gross domestic product
RT gross national product
RT industry
RT inflation
RT nuclear trade
RT resource development
RT standard of living
RT sustainable development
RT us economic recovery tax act

ECONOMIC ELASTICITY
INIS: Jan 1976; ETDE: Nov 1975
UF *elasticity (economic)*
RT econometrics
RT economics
RT energy expenses
RT energy substitution
RT prices

economic growth
Use economic development

ECONOMIC IMPACT
INIS: Apr 1984; ETDE: Jan 1977
RT economics
RT socio-economic factors
RT technology impacts

ECONOMIC POLICY
BT1 government policies
RT allocations
RT centrally planned economies
RT deregulation
RT economic development
RT economics
RT forecasting
RT foreign policy
RT nationalization
RT nuclear trade
RT pricing regulations
RT taxes

economic recovery tax act
Use us economic recovery tax act

ECONOMIC REGULATORY ADMINISTRATION
INIS: Apr 2000; ETDE: Mar 1980
UF *us era*
*BT1 us doe

ECONOMICS
SF *values*
NT1 econometrics
NT1 economic analysis
NT2 cost benefit analysis
NT2 input-output analysis
RT availability
RT budgets
RT capital
RT competition
RT cost
RT depreciation
RT deregulation
RT economic development
RT economic elasticity
RT economic impact
RT economic policy
RT economy
RT environmental policy
RT expenditures
RT feasibility studies
RT financial data
RT financial incentives
RT financing
RT foreign exchange rate
RT gross national product
RT income
RT income distribution
RT investment
RT life-cycle cost
RT low income groups
RT market
RT payback period
RT profits
RT property values
RT regional analysis
RT resellers
RT retailers
RT royalties
RT sellback
RT socio-economic factors
RT spot market
RT supply and demand
RT tax credits

RT taxes
RT trade

ECONOMIZERS
RT reactor cooling systems
RT steam generators

ECONOMY
(The structure of economic life in a country or area.)
RT business
RT diversification
RT economic analysis
RT economics
RT financing
RT forecasting
RT gross national product
RT input-output analysis
RT lending institutions
RT small businesses
RT technology impacts

ECOSYSTEMS
UF *biocenoses*
UF *biogeocenoses*
UF *communities (ecological)*
UF *ecological communities*
UF+ *energy budgets*
NT1 aquatic ecosystems
NT2 wetlands
NT3 marshes
NT3 swamps
NT1 terrestrial ecosystems
NT2 rangelands
NT2 savannas
NT2 swamps
RT agriculture
RT biology
RT biosphere
RT carbon cycle
RT ecology
RT environment
RT environmental exposure pathway
RT forest litter
RT mineral cycling
RT nature reserves
RT nitrogen cycle
RT pesticides
RT population dynamics
RT populations
RT predator-prey interactions
RT radioecological concentration
RT radionuclide migration
RT soils
RT species diversity
RT sulfur cycle

ecpa
Use energy conservation and production act

ecr
Use electron cyclotron-resonance

ECR CURRENT DRIVE
INIS: Jul 1999; ETDE: Sep 1999
UF *electron cyclotron-resonance current drive*
BT1 non-inductive current drive
RT ecr heating

ECR HEATING
UF *electron cyclotron-resonance heating*
*BT1 high-frequency heating
RT ecr current drive
RT electron cyclotron-resonance

ECR ION SOURCES
INIS: Jul 1986; ETDE: Jul 1995
(Ion sources based on electron cyclotron-resonance absorption of rf power launched into a hot electron plasma.)
UF *ecris*
UF *electron cyclotron-resonance ion sources*
BT1 ion sources
RT electron cyclotron-resonance

ecris
Use ecr ion sources

ECSC
UF *european coal and steel community*
*BT1 european union

ECUADOR
BT1 developing countries
*BT1 south america
RT andes
RT opec

ECZEMA
*BT1 skin diseases
RT allergy

EDDHA
UF *n,n-ethylenebis(2-(o-hydroxyphenyl)glycine)*
*BT1 amino acids
BT1 chelating agents
*BT1 hydroxy acids

EDDINGTON THEORY
RT spectra

EDDY CURRENT TESTING
*BT1 electromagnetic testing
RT eddy currents

EDDY CURRENTS
(Limited to electric currents.)
*BT1 electric currents
RT eddy current testing

EDEMA
BT1 pathological changes
BT1 symptoms
RT body fluids
RT diuretics
RT extracellular space
RT retention

edf-1 reactor
Use chinon-1 reactor

edf-2 reactor
Use chinon-2 reactor

edf-3 reactor
Use chinon-3 reactor

edf-4 reactor
Use saint laurent-1 reactor

edf-5 reactor
Use bugey-1 reactor

EDGE DISLOCATIONS
*BT1 dislocations

EDGE LOCALIZED MODES
INIS: Dec 1989; ETDE: Jan 1990
UF *elm (plasma physics)*
*BT1 plasma macroinstabilities
RT h-mode plasma confinement

EDNA DEPOSIT
INIS: Apr 2000; ETDE: Jul 1983
*BT1 oil sand deposits
RT california
RT oil sands

eds liquefaction
Use exxon liquefaction process

EDTA
UF *ethylenediaminetetraacetic acid*
UF *sequestrene*
UF *versene*
*BT1 amino acids
BT1 chelating agents

EDUCATION
UF *teaching*
NT1 training
NT2 computer-aided instruction
RT adolescents
RT children
RT educational facilities
RT educational tools
RT learning
RT manuals
RT safety culture
RT technology transfer

EDUCATIONAL FACILITIES
INIS: Jun 1983; ETDE: May 1979
UF *colleges*
UF *facilities (educational)*
UF *museums*
UF *school facilities*
UF *school plant*
UF *schools*
UF *teaching facilities*
UF *training facilities*
UF *universities*
NT1 school buildings
RT education
RT educational tools
RT exhibits
RT information centers
RT libraries

EDUCATIONAL TOOLS
INIS: Feb 1992; ETDE: Jun 1977
(Activities or materials such as movies, slides, or computer media intended to assist in promoting learning or understanding.)
UF *curriculum guides*
UF *tools (educational)*
RT education
RT educational facilities
RT exhibits
RT training

edwin i. hatch-1 reactor
Use hatch-1 reactor

edwin i. hatch-2 reactor
Use hatch-2 reactor

EEL
*BT1 fishes

ees
Use us energy extension service

EEV RANGE
INIS: Jan 1977; ETDE: Aug 1976
(From 10 exp 18 to 10 exp 21 ev.)
BT1 energy range

EFD WIND GENERATORS
INIS: Apr 2000; ETDE: Nov 1977
UF *electrofluid dynamic wind generator*
BT1 direct energy converters
*BT1 wind power plants

EFDR-50 REACTOR
INIS: Apr 1977; ETDE: Jun 1977
(Entwickelter Fortschrittlicher Druckwasser Reactor for ship propulsion with 50000 SHP.)
UF *entwickelter fortschrittlicher druckwasser reaktor*
*BT1 pwr type reactors
*BT1 ship propulsion reactors

EFFECTIVE CHARGE
(Observed charge of nucleus or atom, less than Ze because of screening effects.)
RT nuclear screening

effective energy (internal irradiation)
Use internal irradiation
AND spatial dose distributions

effective half-life
Use biological half-life

EFFECTIVE MASS
BT1 mass

EFFECTIVE RANGE THEORY
RT efimov effect
RT interactions
RT nucleons
RT scattering

EFFICIENCY
UF+ *automobile efficiency standards*
UF+ *decontamination factor*
UF+ *dose reduction factor*
UF+ *dose relative factor*
UF+ *drf*
NT1 energy efficiency
NT1 heat rate
NT1 mechanical efficiency
NT1 quantum efficiency
NT1 thermal efficiency
RT coefficient of performance
RT comparative evaluations
RT energy conservation
RT energy yield
RT feasibility studies
RT net energy
RT performance
RT productivity
RT spectral response
RT uses

effluents (chemical)
Use chemical effluents

effluents (gaseous)
Use gaseous wastes

effluents (liquid)
Use liquid wastes

effluents (radioactive)
Use radioactive effluents

effluents (thermal)
Use thermal effluents

effusion
Use diffusion

EFG METHOD
INIS: Apr 2000; ETDE: Aug 1979
(Edge-defined, film-fed growth method for crystal growth.)
BT1 crystal growth methods
RT cast method
RT crystal growth
RT inverted stepanov method

EFIMOV EFFECT
INIS: Nov 1985; ETDE: Dec 1985
(The conjectured possibility of an anomalous behaviour of a resonant interacting three-body system near the three-body breakup threshold.)
RT bound state
RT effective range theory
RT three-body problem

efr reactor
Use joyo reactor

EGCR REACTOR
UF *experimental gas cooled reactor*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 graphite moderated reactors
*BT1 helium cooled reactors
*BT1 power reactors
*BT1 thermal reactors

EGGS
UF *yolk*
RT birds
RT food
RT hatching
RT ichthyoplankton
RT ova

egr systems
Use exhaust recirculation systems

EGTA
INIS: Sep 1977; ETDE: Nov 1977
(Ethyleneglycol-bis(2-aminoethylether) tetraacetic acid)
*BT1 carboxylic acids
BT1 chelating agents
*BT1 glycols

EGYPTIAN ARAB REPUBLIC
UF *arab republic of egypt*
UF *uar*
UF *united arab republic*
BT1 africa
BT1 arab countries
BT1 developing countries
BT1 middle east
RT nile river
RT oapec
RT red sea
RT suez canal

eh
Use redox potential

ehd channels
See ehd generators

EHD GENERATORS
UF *electrohydrodynamic generators*
SF *ehd channels*
SF *electrohydrodynamic channels*
BT1 direct energy converters
RT electrohydrodynamics

ehf radiation
Use microwave radiation

EHRLICH ASCITES TUMOR
*BT1 experimental neoplasms
RT ascites
RT ascites tumor cells

EHV AC SYSTEMS
INIS: Jan 1993; ETDE: May 1976
(345-765 kV.)
UF *extrahigh voltage ac systems*
UF *extrahigh voltage alternating current systems*
*BT1 ac systems

EHV DC SYSTEMS
INIS: Mar 1992; ETDE: May 1976
(345-765 kV.)
UF *extrahigh voltage dc systems*
UF *extrahigh voltage direct current systems*
*BT1 dc systems

EICOSANOIC ACID
UF *arachidic acid*
*BT1 monocarboxylic acids

EIGENFREQUENCY
UF *frequency (eigen)*
RT eigenvalues
RT hydrodynamic mass effect

EIGENFUNCTIONS
BT1 functions
RT expectation value
RT quantum mechanics
RT sturm-liouville equation
RT wave functions

EIGENSTATES
UF+ *coherent states*
RT energy levels
RT quantum mechanics

EIGENVALUES
RT eigenfrequency
RT expectation value
RT mathematical operators
RT multiplicity
RT quantum mechanics
RT secular equation

EIGENVECTORS
RT mathematical operators
RT mathematics
RT vectors

eightfold way
Use octet model

eiip
Use energy parks

EIKONAL APPROXIMATION
UF *approximation (eikonal)*
RT scattering amplitudes
RT straight-line path approximation

eindhoven argonaut reactor
Use athene reactor

EINDHOVEN CYCLOTRON
INIS: Jun 1983; ETDE: Mar 1983
(Eindhoven AVF cyclotron.)
*BT1 isochronous cyclotrons

EINSTEIN COEFFICIENTS
RT energy-level transitions
RT oscillator strengths
RT stimulated emission

einstein-de sitter model
Use cosmological models

EINSTEIN EFFECT
INIS: Oct 1975; ETDE: Dec 1975
(A shift towards longer wavelengths of spectral lines emitted by atoms in strong gravitational fields.)
UF *einstein shift*
RT general relativity theory
RT gravitation
RT gravitational fields
RT red shift
RT spectral shift

EINSTEIN FIELD EQUATIONS
*BT1 field equations
RT cosmological constant
RT general relativity theory
RT gravitational fields
RT kerr field

einstein gravitation theory
Use general relativity theory

EINSTEIN-MAXWELL EQUATIONS
UF *electrovac equations*
*BT1 field equations
RT electromagnetic fields
RT general relativity theory
RT gravitational fields
RT gravitational waves

EINSTEIN-SCHROEDINGER THEORY
*BT1 unified-field theories

einstein shift
Use einstein effect

EINSTEINIUM
*BT1 actinides
*BT1 transplutonium elements

EINSTEINIUM 243
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 einsteinium isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

EINSTEINIUM 244
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 einsteinium isotopes
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

EINSTEINIUM 245
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 einsteinium isotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

EINSTEINIUM 246
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 einsteinium isotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

EINSTEINIUM 247
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 einsteinium isotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

EINSTEINIUM 248
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 einsteinium isotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

EINSTEINIUM 249
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 einsteinium isotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-even nuclei

EINSTEINIUM 250
*BT1 actinide nuclei
*BT1 einsteinium isotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei

EINSTEINIUM 251
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 einsteinium isotopes
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei

EINSTEINIUM 252
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 einsteinium isotopes
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
*BT1 years living radioisotopes

EINSTEINIUM 253
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 einsteinium isotopes
*BT1 odd-even nuclei
*BT1 spontaneous fission radioisotopes

EINSTEINIUM 253 TARGET
INIS: Jan 1978; ETDE: Aug 1977
BT1 targets

EINSTEINIUM 254
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 einsteinium isotopes
*BT1 electron capture radioisotopes
*BT1 internal conversion radioisotopes
*BT1 odd-odd nuclei
*BT1 spontaneous fission radioisotopes

EINSTEINIUM 254 TARGET
BT1 targets

EINSTEINIUM 255
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 einsteinium isotopes
*BT1 odd-even nuclei
*BT1 spontaneous fission radioisotopes

EINSTEINIUM 255 TARGET
INIS: Sep 1978; ETDE: Jul 1978
BT1 targets

EINSTEINIUM 256
INIS: Jan 1977; ETDE: Sep 1976
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 einsteinium isotopes
*BT1 hours living radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

einsteinium additions
Use alloys

EINSTEINIUM ALLOYS
INIS: Apr 2000; ETDE: Feb 1975
*BT1 actinide alloys

EINSTEINIUM BROMIDES
INIS: Jan 1976; ETDE: Apr 1975
*BT1 bromides
*BT1 einsteinium compounds

EINSTEINIUM CHLORIDES
*BT1 chlorides
*BT1 einsteinium compounds

EINSTEINIUM COMPLEXES
*BT1 actinide complexes
*BT1 transuranium complexes

EINSTEINIUM COMPOUNDS
UF+ *einsteinium fluorides*
UF+ *einsteinium iodides*
BT1 actinide compounds
*BT1 transplutonium compounds
NT1 einsteinium bromides
NT1 einsteinium chlorides
NT1 einsteinium nitrates
NT1 einsteinium oxides

einsteinium fluorides
Use einsteinium compounds
AND fluorides

einsteinium iodides
Use einsteinium compounds
AND iodides

EINSTEINIUM IONS
*BT1 ions

EINSTEINIUM ISOTOPES
BT1 isotopes
NT1 einsteinium 243
NT1 einsteinium 244
NT1 einsteinium 245
NT1 einsteinium 246
NT1 einsteinium 247
NT1 einsteinium 248
NT1 einsteinium 249
NT1 einsteinium 250
NT1 einsteinium 251
NT1 einsteinium 252
NT1 einsteinium 253
NT1 einsteinium 254
NT1 einsteinium 255
NT1 einsteinium 256

EINSTEINIUM NITRATES
*BT1 einsteinium compounds
*BT1 nitrates

EINSTEINIUM OXIDES
*BT1 einsteinium compounds
*BT1 oxides

eka-astatine
Use element 117

eka-bismuth
Use element 115

eka-gold
Use element 111

eka-hafnium
Use element 104

eka-iridium
Use element 109

eka-lead
Use element 114

eka-mercury
Use element 112

eka-osmium
Use element 108

eka-platinum
Use element 110

eka-polonium
Use element 116

eka-radon
Use element 118

eka-rhenium
Use element 107

eka-tantalum
Use element 105

eka-thallium
Use element 113

eka-tungsten
Use element 106

EKANITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 silicate minerals
*BT1 thorium minerals
*BT1 uranium minerals
RT thorium silicates
RT uranium silicates

eku
Use erevan synchrotron

EL-1 REACTOR
UF *zoe reactor*
*BT1 experimental reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors

EL-2 REACTOR
*BT1 carbon dioxide cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors

EL-3 REACTOR
(Saclay, France)
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 materials testing reactors
*BT1 research reactors
*BT1 tank type reactors

EL-4 REACTOR
(Brennilis, Monts Arrel, France)
*BT1 carbon dioxide cooled reactors
*BT1 enriched uranium reactors
*BT1 hwgcr type reactors
*BT1 pressure tube reactors
*BT1 thermal reactors

el nino
Use southern oscillation

EL SALVADOR
*BT1 central america
BT1 developing countries
RT ahuachapan geothermal field

EL TATIO GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Apr 1975
BT1 geothermal fields
RT chile

elastic properties
Use elasticity

ELASTIC SCATTERING
BT1 scattering
NT1 bhabha scattering
NT1 compton effect
NT1 coulomb scattering
NT1 moeller scattering
NT1 mott scattering
NT1 potential scattering
NT1 rutherford scattering
NT1 wigner scattering
RT blair model
RT coherent scattering
RT diffuse scattering
RT quasi-elastic scattering
RT ramsauer effect
RT rosenbluth formula
RT skyrme potential
RT zero-range approximation

ELASTICITY
UF *elastic properties*
BT1 mechanical properties
NT1 photoelasticity
NT1 thermoelasticity
RT deformation
RT hooke law
RT poisson ratio
RT shape memory effect
RT strains
RT young modulus

elasticity (economic)
Use economic elasticity

ELASTOMERS
BT1 polymers
NT1 ethylene propylene diene polymers
NT1 neoprene
NT1 polyisoprene
NT1 rubbers
NT2 buna
NT2 latex
NT2 natural rubber
NT2 silastic
NT2 viton
RT vulcanized elastomers

ELDERLY PEOPLE
INIS: Jul 1985; ETDE: Feb 1978
UF *aged*
*BT1 aged adults
*BT1 man
*BT1 minority groups
RT handicapped people
RT life cycle
RT sociology

ELDOR
UF *electron-electron double resonance*
*BT1 magnetic resonance
RT double resonance methods

ELECTRETS
*BT1 dielectric materials
RT polarization

ELECTRIC APPLIANCES
INIS: Jan 1993; ETDE: Jun 1977
UF+ *stoves (electric)*
SF *food disposers*
*BT1 appliances
NT1 microwave ovens
RT air conditioners
RT clothes dryers
RT clothes washers
RT dehumidifiers
RT dishwashers
RT freezers
RT humidifiers
RT ovens
RT refrigerators

ELECTRIC ARCS
*BT1 electric currents
BT1 electric discharges
RT electrical faults
RT flashover
RT plasma

ELECTRIC BATTERIES
(Devices for production and/or storage of electrical energy from chemical reactions; excludes FUEL CELLS and RADIOISOTOPE BATTERIES.)
UF *accumulators (electric batteries)*
UF *batteries (electric)*
UF *secondary batteries*
UF *storage batteries*
UF *voltaic cells*
BT1 electrochemical cells
*BT1 energy storage systems
NT1 lead-acid batteries
NT1 metal-gas batteries
NT2 aluminium-air batteries
NT2 cadmium-air batteries
NT2 iron-air batteries
NT2 lithium-chlorine batteries
NT2 lithium-water-air batteries
NT2 nickel-hydrogen batteries
NT2 silver-hydrogen batteries
NT2 zinc-air batteries
NT2 zinc-chlorine batteries
NT1 metal-metal batteries
NT1 metal-metal oxide batteries
NT2 iron-nickel batteries
NT2 nickel-cadmium batteries
NT2 nickel-zinc batteries
NT2 silver-cadmium batteries
NT2 silver-zinc batteries
NT2 zinc-manganese batteries
NT1 metal-nonmetal batteries
NT2 lithium-copper chloride batteries
NT2 lithium-sulfur batteries
NT2 sodium-sulfur batteries
NT2 zinc-bromine batteries
NT1 primary-secondary hybrid batteries
NT1 thermal batteries
RT battery charge state
RT battery paste
RT battery separators
RT cardiac pacemakers
RT electric-powered vehicles
RT electrical equipment
RT electrolytic cells
RT electromotive force
RT energy storage
RT hybrid electric-powered vehicles
RT off-peak energy storage
RT primary batteries
RT solid electrolytes

ELECTRIC BORN MODEL
*BT1 ope model
RT electroproduction
RT photoproduction

ELECTRIC BRIDGES
UF *bridges (electric)*
*BT1 electrical equipment
RT electric measuring instruments

ELECTRIC CABLES
UF *cables (electric)*
BT1 cables
*BT1 conductor devices
NT1 coaxial cables
NT1 cryogenic cables
NT1 gas-insulated cables
NT1 oil-filled cables
NT1 superconducting cables
RT power transmission lines

ELECTRIC CHARGES
(Prior to August 1996 POSITIVE EXCESS was a valid ETDE descriptor.)
UF *electric monopoles*
UF+ *pyroelectricity*
SF *positive excess*
NT1 point charge
RT battery charge state
RT c invariance
RT capacitance
RT charge carriers
RT charge conservation
RT charge density
RT charge distribution
RT charge states
RT charge transport
RT electrostatic charge eliminators
RT electrostatics
RT minus-plus ratio
RT polar compounds
RT pyroelectric effect
RT space charge

ELECTRIC COILS
UF *coils (electric)*
*BT1 electrical equipment
NT1 magnet coils
NT2 pulsed magnet coils
NT1 rogowski coil
NT1 solenoids
NT1 superconducting coils
RT electromagnets
RT magnetic circuits
RT transformers
RT winding machines

electric condensers
Use capacitors

ELECTRIC CONDUCTIVITY
UF *conductivity (electric)*
UF *electric resistivity*
UF *electrical conductivity*
UF *electrical resistance*
UF *electrical resistivity*
UF *i-v characteristic*
UF *ohmic resistance*
UF *resistivity (electric)*
UF *va characteristic*
UF *volt-ampere characteristic*
*BT1 electrical properties
NT1 ionic conductivity
NT1 magnetoresistance
NT1 photoconductivity
NT1 superconductivity
RT carrier mobility
RT electric conductors
RT electric impedance
RT electrical testing
RT electrophysiology
RT grueneisen formula
RT inductance
RT matthiessen rule
RT ohm law
RT umklapp processes
RT wiedemann-franz law

ELECTRIC CONDUCTORS
UF *conductors (electric)*
RT conductor devices
RT electric conductivity
RT electron mobility
RT hall effect
RT photoconductors
RT semiconductor materials
RT skin effect
RT superconductors

electric contactors
Use switches

ELECTRIC CONTACTS
UF *contacts (electric)*
UF *point contacts*
SF *junctions*
*BT1 electrical equipment
RT switches

ELECTRIC CONTROLLERS
*BT1 control equipment
RT surges
RT voltage regulators

electric cooperatives
Use cooperatives
AND electric utilities

ELECTRIC CURRENTS
UF *currents (electric)*
UF *plasma currents*
UF+ *foucault current*
BT1 currents
NT1 alternating current
NT1 bootstrap current
NT1 critical current
NT1 direct current
NT1 eddy currents
NT1 electric arcs
NT1 electrojets
NT1 faraday current
NT1 leakage current
NT1 overcurrent
NT1 photocurrents
NT1 ring currents
NT1 threshold current
RT current density
RT current limiters
RT electricity
RT electrocarbonization
RT electrocardiograms
RT excitation systems
RT flashover
RT kruskal limit
RT non-inductive current drive
RT reversed-field pinch devices
RT skin effect
RT surges

ELECTRIC DIPOLE MOMENTS
BT1 dipole moments
BT1 electric moments
RT nuclear electric moments
RT polarizability

electric dipole transitions
Use e1-transitions

ELECTRIC DIPOLES
*BT1 dipoles
RT electric fields

electric discharge pumping
Use electrical pumping

ELECTRIC DISCHARGES
UF *discharges (electric)*
NT1 corona discharges
NT1 electric arcs
NT1 electric sparks
NT1 flashover
NT1 glow discharges
NT1 high-frequency discharges
NT1 lightning
NT2 ball lightning
NT1 penning discharges
NT1 townsend discharge
RT afterglow
RT breakdown
RT discharge quenching
RT paschen law
RT positive column
RT saha equation
RT spark gaps
RT striations
RT switches

ELECTRIC FIELDS
UF *fields (electric)*
NT1 coulomb field
RT casimir effect
RT crossed fields
RT electric dipoles
RT electromagnetic fields
RT excitation systems
RT inhomogeneous fields
RT nuclear quadrupole resonance
RT parametric instabilities
RT stark effect

ELECTRIC FILTERS
UF *filters (electric)*
BT1 filters

ELECTRIC FURNACES
BT1 furnaces
NT1 arc furnaces
NT1 ceramic melters
NT1 induction furnaces

ELECTRIC FUSES
UF *current limiting fuses*
UF *fuses (electric)*
*BT1 conductor devices
BT1 equipment protection devices
RT circuit breakers
RT switches

ELECTRIC GENERATORS
(Excludes the concept DIRECT ENERGY CONVERTERS.)
UF *generators (electric)*
UF+ *wind generators*
*BT1 electrical equipment
NT1 alternators
NT1 flux pumps
NT1 homopolar generators
NT1 induction generators
NT1 rotating generators
NT2 superconducting generators
NT1 turbogenerators
NT1 water current power generators
RT armatures
RT excitation systems

ELECTRIC GROUNDS
INIS: Jun 1982; ETDE: Jan 1975
UF *earth (electric grounds)*
UF *earthing*
UF *earthing (electric grounds)*
UF *grounds*
UF *grounds (electric)*
RT electrical faults
RT electronic circuits

ELECTRIC HEATING
INIS: Aug 1984; ETDE: Apr 1977
(From April 1977 till March 1997 RESISTANCE HEATING was a valid ETDE descriptor.)
UF *resistance heating*

BT1 heating
NT1 joule heating
NT2 current-drive heating
NT1 radiant cable heating
RT baseboard heating
RT heat pumps
RT space heating

electric hexadecapole transitions
Use e4-transitions

ELECTRIC IMPEDANCE
INIS: Nov 1975; ETDE: Dec 1975
BT1 impedance
RT capacitance
RT electric conductivity

ELECTRIC LOGGING
INIS: Apr 1984; ETDE: Jan 1977
BT1 well logging
NT1 induced polarization logging
NT1 induction logging
NT1 resistivity logging
NT1 sp logging
RT electrical surveys

ELECTRIC MEASURING INSTRUMENTS
*BT1 electrical equipment
BT1 measuring instruments
NT1 ammeters
NT1 electrometers
NT1 electroscopes
NT1 galvanometers
NT1 potentiometers
NT1 power meters
NT1 voltmeters
RT electric bridges
RT electronic equipment
RT faraday cups

ELECTRIC MOMENTS
(Prior to March 1997 GYROELECTRIC RATIO was a valid ETDE descriptor.)
SF *gyroelectric ratio*
NT1 electric dipole moments
NT1 nuclear electric moments
RT quadrupole moments

electric monopole transitions
Use e0-transitions

electric monopoles
Use electric charges

ELECTRIC MOTORS
*BT1 electrical equipment
*BT1 motors
NT1 superconducting motors
RT armatures

electric octupole transitions
Use e3-transitions

ELECTRIC POTENTIAL
UF *potential (electric)*
UF *voltage*
NT1 plasma potential
RT breakdown
RT electrical transients
RT electromotive force
RT electrophysiology
RT ionization potential
RT overvoltage
RT paschen law
RT pyroelectric effect
RT surges
RT voltage drop

ELECTRIC POWER
BT1 power
NT1 hydroelectric power
NT1 off-peak power
NT1 surplus power
RT alaska power administration
RT bonneville power administration
RT combined cycles
RT demand factors
RT dispersed storage and generation
RT electric power industry
RT electric utilities
RT electricity
RT epri
RT load management
RT marginal-cost pricing
RT master metering
RT nuclear power
RT on-site power generation
RT peak-load pricing
RT power demand
RT power generation
RT power losses
RT power meters
RT power plants
RT power potential
RT power supplies
RT power transmission
RT power transmission lines
RT public utilities
RT southeastern power administration
RT southwestern power administration
RT spacecraft power supplies
RT time-of-use pricing
RT var control systems
RT western area power administration

ELECTRIC POWER INDUSTRY
INIS: Dec 1991; ETDE: Feb 1978
(Only for general papers when descriptors such as ELECTRICPOWER, ELECTRIC UTILITIES, or POWER SYSTEMS will not suffice.)
BT1 industry
RT electric power
RT electric reliability councils
RT electric utilities
RT epri
RT nuclear power
RT power systems

electric power research institute
Use epri

electric power substations
Use power substations

electric power systems
Use power systems

ELECTRIC-POWERED VEHICLES
INIS: Apr 1992; ETDE: Jan 1975
BT1 vehicles
NT1 hybrid electric-powered vehicles
NT1 roadway-powered electric vehicles
RT aaps
RT electric batteries
RT electric railways
RT fuel cells
RT regenerative braking

ELECTRIC PROBES
BT1 probes
NT1 langmuir probe
NT1 plasma eaters

electric properties
Use electrical properties

electric pulses
Use pulses

electric quadrupole transitions
Use e2-transitions

ELECTRIC RAILWAYS
INIS: Apr 2000; ETDE: Jan 1977
BT1 railways
RT electric-powered vehicles
RT rapid transit systems
RT trains

ELECTRIC RELIABILITY COUNCILS
INIS: Apr 2000; ETDE: Sep 1979
UF *national electric reliability councils*
UF *regional electric reliability councils*
RT electric power industry
RT electric utilities

electric resistivity
Use electric conductivity

ELECTRIC RESONANCE
BT1 resonance
NT1 paraelectric resonance

ELECTRIC SHOCK
INIS: Apr 1984; ETDE: Jul 1979
(Until March 1999 this concept was indexed by BIOLOGICAL SHOCK and ELECTRICITY.)
UF *shock (electric)*
RT biological shock

ELECTRIC SPARKS
UF *sparks (electric)*
BT1 electric discharges
RT breakdown
RT electrostatics
RT flashover
RT spark drills
RT spark gaps

electric switches
Use switches

ELECTRIC UTILITIES
INIS: Feb 1979; ETDE: Feb 1978
(Enterprises engaged in the generation, transmission, and distribution of electric power; may be investor-owned, cooperatively owned, or government-owned.)
UF+ *electric cooperatives*
SF *utilities*
BT1 public utilities
RT cooperatives
RT dispersed storage and generation
RT electric power
RT electric power industry
RT electric reliability councils
RT load analysis
RT master metering
RT peak load
RT power pooling
RT surplus power
RT us power plant and industrial fuel use act

electrical breakdown
Use electrical faults

electrical conductivity
Use electric conductivity

ELECTRICAL ENGINEERING
INIS: Jan 1992; ETDE: Jun 1978
BT1 engineering

ELECTRICAL EQUIPMENT
BT1 equipment
NT1 antennas
NT2 radio telescopes

NT2 rectennas
NT1 armatures
NT1 battery chargers
NT2 solar battery chargers
NT1 capacitors
NT1 circuit breakers
NT1 conductor devices
NT2 connectors
NT2 electric cables
NT3 coaxial cables
NT3 cryogenic cables
NT3 gas-insulated cables
NT3 oil-filled cables
NT3 superconducting cables
NT2 electric fuses
NT1 current limiters
NT1 dc to dc converters
NT1 electric bridges
NT1 electric coils
NT2 magnet coils
NT3 pulsed magnet coils
NT2 rogowski coil
NT2 solenoids
NT2 superconducting coils
NT1 electric contacts
NT1 electric generators
NT2 alternators
NT2 flux pumps
NT2 homopolar generators
NT2 induction generators
NT2 rotating generators
NT3 superconducting generators
NT2 turbogenerators
NT2 water current power generators
NT1 electric measuring instruments
NT2 ammeters
NT2 electrometers
NT2 electroscopes
NT2 galvanometers
NT2 potentiometers
NT2 power meters
NT2 voltmeters
NT1 electric motors
NT2 superconducting motors
NT1 electrical insulators
NT1 electromagnets
NT2 superconducting magnets
NT1 inverters
NT1 lightning arresters
NT1 potheads
NT1 rectifiers
NT2 rectifier tubes
NT3 ignitrons
NT2 semiconductor rectifiers
NT1 relays
NT1 resistors
NT2 photoresistors
NT2 semiconductor resistors
NT1 shunt reactors
NT1 switches
NT2 cryotrons
NT2 plasma switches
NT2 semiconductor switches
NT1 transformers
NT2 gas-insulated transformers
RT electric batteries
RT electron tubes
RT electronic circuits
RT electronic equipment
RT excitation systems
RT lighting systems
RT miniaturization
RT potting
RT potting materials
RT power supplies
RT radar
RT reactor components
RT semiconductor devices
RT sonar
RT transducers
RT waveguides

ELECTRICAL FAULTS

INIS: Oct 1983; ETDE: Jan 1977
UF *electrical breakdown*
UF *short circuits*
UF *shorts (electrical)*
RT breakdown
RT electric arcs
RT electric grounds
RT failures
RT flashover

ELECTRICAL INSULATION

(Prior to January 1983 this concept was indexed by DIELECTRIC MATERIALS.)
UF *insulation (electrical)*
UF *insulation (electrical, by dielectric materials)*
RT dielectric materials
RT electrical insulators
RT organic insulators

ELECTRICAL INSULATORS

INIS: May 1976; ETDE: Feb 1976
UF *insulators (electrical)*
*BT1 electrical equipment
RT dielectric materials
RT electrical insulation
RT insulating oils
RT organic insulators

ELECTRICAL PROPERTIES

UF *electric properties*
UF+ *magnetoelectricity*
BT1 physical properties
NT1 capacitance
NT1 dielectric properties
NT2 kerr effect
NT2 permittivity
NT1 electric conductivity
NT2 ionic conductivity
NT2 magnetoresistance
NT2 photoconductivity
NT2 superconductivity
NT1 inductance
NT1 polarizability
NT1 thermoelectric properties
RT electricity
RT electro-optical effects
RT magnetic properties

ELECTRICAL PUMPING

INIS: Jul 1982; ETDE: May 1977
(Pumping achieved by allowing a suitable electric current to pass through the lasing medium.)
UF *electric discharge pumping*
UF *pumping (electrical)*
BT1 pumping
NT1 electron beam pumping
RT lasers
RT nuclear pumping
RT optical pumping
RT stimulated emission

electrical resistance

Use electric conductivity

electrical resistivity

Use electric conductivity

ELECTRICAL SURVEYS

(Surveys or mapping of a portion of the earth's interior by use of one of the electrical methods.)
*BT1 geophysical surveys
NT1 electromagnetic surveys
NT2 magnetotelluric surveys
NT1 resistivity surveys
NT1 self-potential surveys
NT1 telluric surveys
RT electric logging
RT exploration
RT geothermal exploration
RT induced polarization logging
RT resistivity logging

ELECTRICAL TESTING

*BT1 nondestructive testing
RT electric conductivity

ELECTRICAL TRANSIENTS

INIS: Jun 1983; ETDE: Jul 1979
(Temporary oscillations that occur in circuits because of sudden changes of voltage, load or frequency.)
BT1 transients
BT1 voltage drop
RT electric potential
RT overvoltage
RT power systems
RT surges
RT var control systems

ELECTRICITE DE FRANCE

INIS: Feb 1986; ETDE: Mar 1983
*BT1 french organizations

ELECTRICITY

(Only for the physical phenomenon sense; for utility purposes, use ELECTRIC POWER.)
NT1 bioelectricity
NT1 piezoelectricity
NT1 thermoelectricity
RT electric currents
RT electric power
RT electrical properties

electricity supply company reactor

Use escom reactor

ELECTRO-OPTICAL EFFECTS

INIS: Nov 1978; ETDE: Aug 1976
NT1 electrochromism
RT electrical properties
RT magneto-optical effects
RT optical properties

ELECTROCARBONIZATION

INIS: Apr 2000; ETDE: Jan 1975
*BT1 carbonization
RT electric currents

ELECTROCARDIOGRAMS

*BT1 diagrams
RT cardiography
RT diagnostic techniques
RT electric currents
RT heart
RT pulses
RT recording systems

ELECTROCATALYSTS

INIS: Feb 1992; ETDE: Oct 1978
UF *fuel cell catalysts*
BT1 catalysts
RT catalysis
RT catalytic effects

ELECTROCHEMICAL CELLS

INIS: Feb 1992; ETDE: Jan 1975
SF *electrochemical engines*
NT1 electric batteries
NT2 lead-acid batteries
NT2 metal-gas batteries
NT3 aluminium-air batteries
NT3 cadmium-air batteries
NT3 iron-air batteries
NT3 lithium-chlorine batteries
NT3 lithium-water-air batteries

NT3 nickel-hydrogen batteries
NT3 silver-hydrogen batteries
NT3 zinc-air batteries
NT3 zinc-chlorine batteries
NT2 metal-metal batteries
NT2 metal-metal oxide batteries
NT3 iron-nickel batteries
NT3 nickel-cadmium batteries
NT3 nickel-zinc batteries
NT3 silver-cadmium batteries
NT3 silver-zinc batteries
NT3 zinc-manganese batteries
NT2 metal-nonmetal batteries
NT3 lithium-copper chloride batteries
NT3 lithium-sulfur batteries
NT3 sodium-sulfur batteries
NT3 zinc-bromine batteries
NT2 primary-secondary hybrid batteries
NT2 thermal batteries
NT1 fuel cells
NT2 acid electrolyte fuel cells
NT2 alcohol fuel cells
NT3 direct methanol fuel cells
NT2 alkaline electrolyte fuel cells
NT2 ammonia fuel cells
NT2 biochemical fuel cells
NT2 coal fuel cells
NT2 formaldehyde fuel cells
NT2 formate fuel cells
NT2 formic acid fuel cells
NT2 high-temperature fuel cells
NT3 molten carbonate fuel cells
NT3 solid oxide fuel cells
NT2 hydrazine fuel cells
NT2 hydrocarbon fuel cells
NT2 hydrogen fuel cells
NT2 natural gas fuel cells
NT2 regenerative fuel cells
NT3 redox fuel cells
NT2 solid electrolyte fuel cells
NT3 proton exchange membrane fuel cells
NT3 solid oxide fuel cells
NT1 photoelectrochemical cells
NT2 photogalvanic cells
RT electrochemical energy conversion
RT electrochemistry
RT primary batteries

ELECTROCHEMICAL COATING

*BT1 chemical coating
NT1 anodization

ELECTROCHEMICAL CORROSION

UF *bimetallic corrosion*
UF *couple corrosion*
UF *electrolytic corrosion*
UF *galvanic corrosion*
*BT1 corrosion
RT cathodic protection
RT electrochemistry
RT electrolysis

ELECTROCHEMICAL ENERGY CONVERSION

INIS: Apr 2000; ETDE: Jul 1981
*BT1 energy conversion
RT electrochemical cells

electrochemical engines

See electrochemical cells

ELECTROCHEMICAL MACHINING

*BT1 chemical machining

ELECTROCHEMISTRY

BT1 chemistry
RT electrochemical cells
RT electrochemical corrosion
RT electrochromism
RT electrometallurgy
RT electromotive force
RT fuel cells
RT photoelectrochemical cells

ELECTROCHROMISM

INIS: Nov 1985; ETDE: Jun 1984
(A reversible color change in a material induced by the injection of ions under an applied current.)
BT1 electro-optical effects
RT color
RT electrochemistry

ELECTRODEPOSITED COATINGS

BT1 coatings
RT electroplating

ELECTRODEPOSITION

*BT1 electrolysis
*BT1 surface coating
NT1 electroplating
RT electrometallurgy

ELECTRODES

NT1 anodes
NT2 photoanodes
NT1 cathodes
NT2 hollow cathodes
NT2 photocathodes
NT1 dees
NT1 grids
NT1 ion-selective electrodes
RT battery paste
RT electron tubes
RT ion selective electrode analysis

ELECTRODIALYSIS

INIS: Feb 1993; ETDE: Jun 1977
*BT1 dialysis

ELECTRODYNAMICS

UF *electrokinetics*
NT1 quantum electrodynamics
NT2 schwinger-tomonaga formalism
RT born-infeld theory
RT charge renormalization
RT electromagnetic fields
RT electromagnetic interactions
RT electromagnetism
RT field theories
RT maxwell equations

ELECTROENCEPHALOGRAPHY

INIS: Jul 1980; ETDE: Jul 1979
BT1 diagnostic techniques
RT brain

ELECTROFISSION

INIS: Mar 1977; ETDE: Jun 1977
(Fission of heavy nuclei by MeV range electrons.)
*BT1 electron reactions
*BT1 fission

electrofluid dynamic wind generator

Use efd wind generators

ELECTROGASDYNAMICS

*BT1 fluid mechanics
RT gas flow

electrohydrodynamic channels

See ehd generators

electrohydrodynamic generators

Use ehd generators

ELECTROHYDRODYNAMICS

*BT1 hydrodynamics
RT direct energy conversion
RT ehd generators

ELECTROJETS

UF *auroral electrojets*
UF *equatorial electrojets*
*BT1 electric currents
RT ring currents

electrokinetics

Use electrodynamics

ELECTROLINKING

INIS: Apr 2000; ETDE: Jun 1976
(In underground gasification, the linking of holes drilled into a fossil fuel seam with the aid of electric current.)
BT1 borehole linking
BT1 fracturing
RT boreholes
RT in-situ gasification

ELECTROLUMINESCENCE

*BT1 luminescence

ELECTROLYSIS

BT1 lysis
NT1 anodization
NT1 electrodeposition
NT2 electroplating
NT1 electropolishing
NT1 electrorefining
NT1 photoelectrolysis
RT anions
RT cations
RT dissociation
RT electrochemical corrosion
RT electrolytic cells
RT electrometallurgy
RT faraday laws
RT polarography
RT voltametry

electrolyte tiles

Use matrix materials

ELECTROLYTES

NT1 solid electrolytes
RT dissociation
RT donnan theory
RT polyacetylenes

ELECTROLYTIC CELLS

UF *cells (electrolytic)*
UF+ *photoelectrolytic cells*
RT electric batteries
RT electrolysis
RT thermal batteries
RT voltametry

electrolytic corrosion

Use electrochemical corrosion

ELECTROMAGNETIC FIELDS

UF *fields (electromagnetic)*
RT aharonov-bohm effect
RT einstein-maxwell equations
RT electric fields
RT electrodynamics
RT inhomogeneous fields
RT magnetic fields
RT maxwell equations
RT ponderomotive force
RT potentials
RT weyl unified theory

ELECTROMAGNETIC FILTERS

INIS: May 1980; ETDE: May 1980
BT1 filters

RT corrosion products
RT filtration
RT primary coolant circuits
RT water

ELECTROMAGNETIC FORM FACTORS
*BT1 form factors
RT four momentum transfer

ELECTROMAGNETIC INTERACTIONS
*BT1 basic interactions
NT1 compton effect
NT1 coulomb scattering
NT1 electroproduction
NT1 photon-hadron interactions
NT2 photon-baryon interactions
NT3 photon-hyperon interactions
NT3 photon-nucleon interactions
NT4 photon-neutron interactions
NT4 photon-proton interactions
NT2 photon-meson interactions
NT1 photon-photon interactions
NT1 photoproduction
NT2 primakoff effect
NT1 umklapp processes
RT annihilation
RT charged currents
RT coulomb correction
RT electrodynamics
RT electromagnetic particle decay
RT electron-quark interactions
RT grand unified theory
RT hadron-hadron interactions
RT lepton-hadron interactions
RT lepton-lepton interactions
RT neutral currents
RT photon-lepton interactions
RT radiative corrections
RT standard model

ELECTROMAGNETIC ISOTOPE SEPARATION
(The process)
*BT1 isotope separation
RT electromagnetic isotope separators

ELECTROMAGNETIC ISOTOPE SEPARATORS
UF *calutrons*
NT1 tristan separator
RT electromagnetic isotope separation
RT isotope separation

ELECTROMAGNETIC LENSES
UF *plasma lens*
BT1 lenses
RT end effects
RT magnetic analyzers
RT magnets

ELECTROMAGNETIC PARTICLE DECAY
INIS: Feb 1978; ETDE: Apr 1978
*BT1 particle decay
RT electromagnetic interactions
RT radiative decay

ELECTROMAGNETIC PULSES
UF *emp*
*BT1 electromagnetic radiation
BT1 pulses
NT1 internal electromagnetic pulses
RT nuclear explosions

ELECTROMAGNETIC PUMPS
*BT1 pumps

ELECTROMAGNETIC RADIATION
UF *electromagnetic waves*
BT1 radiations
NT1 auroral hiss
NT1 blackbody radiation
NT1 bremsstrahlung
NT2 cyclotron radiation
NT2 internal bremsstrahlung
NT2 ondulator radiation
NT2 synchrotron radiation
NT1 cherenkov radiation
NT1 coherent radiation
NT1 electromagnetic pulses
NT2 internal electromagnetic pulses
NT1 gamma radiation
NT2 delayed gamma radiation
NT2 prompt gamma radiation
NT1 helicon waves
NT1 infrared radiation
NT2 far infrared radiation
NT2 intermediate infrared radiation
NT2 near infrared radiation
NT1 laser radiation
NT1 microwave radiation
NT2 relict radiation
NT1 monochromatic radiation
NT1 multipole radiation
NT1 radiowave radiation
NT2 long wave radiation
NT2 medium wave radiation
NT2 radio noise
NT3 atmospherics
NT3 whistlers
NT2 radioecho
NT2 short wave radiation
NT2 solar radio bursts
NT2 solar radiowave radiation
NT1 thermal radiation
NT1 transition radiation
NT1 ultralow frequency radiation
NT1 ultraviolet radiation
NT2 extreme ultraviolet radiation
NT2 far ultraviolet radiation
NT2 near ultraviolet radiation
NT1 visible radiation
NT1 x radiation
NT2 hard x radiation
NT2 soft x radiation
NT1 zodiacal light
RT faraday effect
RT frequency mixing
RT harmonic generation
RT photons
RT radiation pressure
RT signal distortion
RT standing waves
RT travelling waves
RT wave forms

ELECTROMAGNETIC SURVEYS
INIS: Feb 1981; ETDE: Jan 1975
(A subgroup of methods of electrical exploration based on the measurement of alternating magnetic fields associated with currents artificially or naturally maintained in the subsurface.)
*BT1 electrical surveys
NT1 magnetotelluric surveys
RT geothermal exploration

ELECTROMAGNETIC TESTING
*BT1 nondestructive testing
NT1 eddy current testing

electromagnetic transitions
Use energy-level transitions

electromagnetic waves
Use electromagnetic radiation

ELECTROMAGNETISM
BT1 magnetism
RT continuity equations
RT electrodynamics
RT kaluza-klein theory

electromagnetostriction
Use magnetostriction

ELECTROMAGNETS
*BT1 electrical equipment
*BT1 magnets
NT1 superconducting magnets
RT electric coils
RT magnetic properties

ELECTROMECHANICS
BT1 mechanics

ELECTROMETALLURGY
UF *electrowinning*
BT1 metallurgy
RT electrochemistry
RT electrodeposition
RT electrolysis
RT electrorefining
RT extractive metallurgy

ELECTROMETERS
*BT1 electric measuring instruments
RT condenser ionization chambers

electromigration
Use electrophoresis

ELECTROMOTIVE FORCE
(A force capable of maintaining a potential difference, and thus a current, within a circuit. it can be established by chemical action or by mechanical work.)
UF *emf*
RT electric batteries
RT electric potential
RT electrochemistry

electron acceptor
Use binding energy
AND electrons
AND valence

electron acoustic waves
Use electron plasma waves

electron affinity
Use affinity

ELECTRON ANTINEUTRINOS
*BT1 antineutrinos
*BT1 electron neutrinos

ELECTRON-ATOM COLLISIONS
*BT1 atom collisions
*BT1 electron collisions

ELECTRON ATTACHMENT
(A(neutral) + e yields A(1 minus).)
RT electron capture
RT ionization

ELECTRON BEAM FURNACES
BT1 furnaces
RT vacuum furnaces

ELECTRON BEAM FUSION ACCELERATOR
INIS: Feb 1981; ETDE: Jul 1979
(Electron beam accelerator at Sandia Laboratories to be used for inertial confinement fusion experiments.)
UF *ebfa*
RT electron beam fusion reactors
RT inertial confinement
RT particle beam fusion accelerator

ELECTRON BEAM FUSION REACTORS
INIS: Nov 1982; ETDE: Feb 1983
UF *e-beam type reactors*
UF *electron beam type reactors*
BT1 thermonuclear reactors
RT electron beam fusion accelerator
RT icf devices
RT inertial confinement

electron beam induced current
Use scanning electron microscopy

ELECTRON BEAM INJECTION
BT1 beam injection

ELECTRON BEAM ION SOURCES
INIS: Aug 1976; ETDE: May 1976
(Ion source creating high charge states by sequential electron impact ionization.)
UF *ebis*
BT1 ion sources
RT electron beams

ELECTRON BEAM MACHINING
BT1 machining

ELECTRON BEAM MELTING
*BT1 melting

ELECTRON BEAM PUMPING
INIS: Jul 1993; ETDE: Aug 1981
*BT1 electrical pumping
RT excitation
RT lasers
RT stimulated emission

ELECTRON BEAM TARGETS
INIS: Nov 1982; ETDE: Sep 1978
SF *icf targets*
SF *inertial confinement fusion targets*
BT1 targets
RT inertial confinement
RT ion beam targets
RT laser targets
RT thermonuclear fuels

electron beam type reactors
Use electron beam fusion reactors

ELECTRON BEAM WELDING
*BT1 welding
RT vacuum welding

ELECTRON BEAMS
UF *beta beams (electrons)*
*BT1 lepton beams
RT electron beam ion sources
RT electron cooling
RT electrons
RT llnl advanced test accelerator
RT pierce instability

ELECTRON CAPTURE
(By projectiles in collisions; not for ELECTRON CAPTURE DECAY.)
BT1 capture
RT charge exchange
RT charge states
RT electron attachment
RT recombination

ELECTRON CAPTURE DECAY
*BT1 beta decay
NT1 k capture
NT1 l capture
NT1 m capture
RT beta-plus decay
RT capture
RT delayed protons
RT electron capture radioisotopes

ELECTRON-CAPTURE DETECTORS
(Instrument for gas analysis which incorporates an ionization chamber and internal beta source.)
*BT1 radiometric gages
RT gas analysis
RT ionization chambers

ELECTRON CAPTURE RADIOISOTOPES
*BT1 beta decay radioisotopes
NT1 actinium 214
NT1 actinium 215
NT1 actinium 222
NT1 actinium 223
NT1 actinium 224
NT1 actinium 226
NT1 americium 232
NT1 americium 233
NT1 americium 234
NT1 americium 235
NT1 americium 236
NT1 americium 237
NT1 americium 238
NT1 americium 239
NT1 americium 240
NT1 americium 242
NT1 americium 244
NT1 antimony 109
NT1 antimony 110
NT1 antimony 111
NT1 antimony 112
NT1 antimony 113
NT1 antimony 114
NT1 antimony 115
NT1 antimony 116
NT1 antimony 117
NT1 antimony 118
NT1 antimony 119
NT1 antimony 120
NT1 antimony 122
NT1 argon 37
NT1 arsenic 67
NT1 arsenic 70
NT1 arsenic 71
NT1 arsenic 72
NT1 arsenic 73
NT1 arsenic 74
NT1 astatine 195
NT1 astatine 197
NT1 astatine 199
NT1 astatine 200
NT1 astatine 201
NT1 astatine 202
NT1 astatine 203
NT1 astatine 204
NT1 astatine 205
NT1 astatine 206
NT1 astatine 207
NT1 astatine 208
NT1 astatine 209
NT1 astatine 210
NT1 astatine 211
NT1 barium 117
NT1 barium 119
NT1 barium 120
NT1 barium 121
NT1 barium 122
NT1 barium 123
NT1 barium 124
NT1 barium 125
NT1 barium 126
NT1 barium 127
NT1 barium 128
NT1 barium 129
NT1 barium 131
NT1 barium 133
NT1 berkelium 240
NT1 berkelium 242
NT1 berkelium 243
NT1 berkelium 244
NT1 berkelium 245
NT1 berkelium 246
NT1 berkelium 248
NT1 beryllium 7
NT1 bismuth 190
NT1 bismuth 191
NT1 bismuth 192
NT1 bismuth 193
NT1 bismuth 194
NT1 bismuth 195
NT1 bismuth 196
NT1 bismuth 197
NT1 bismuth 198
NT1 bismuth 199
NT1 bismuth 200
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NT1 calcium 41
NT1 californium 241
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NT1 californium 247
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NT1 element 105 258
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NT1 iron 45
NT1 iron 52
NT1 iron 53
NT1 iron 55
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NT1 ytterbium 153
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NT1 yttrium 87
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NT1 zinc 60
NT1 zinc 61
NT1 zinc 62
NT1 zinc 63
NT1 zinc 65
NT1 zirconium 84
NT1 zirconium 85
NT1 zirconium 86
NT1 zirconium 87
NT1 zirconium 88
NT1 zirconium 89
RT electron capture decay

ELECTRON CHANNELING
BT1 channeling
RT crystal lattices

ELECTRON COLLISIONS
BT1 collisions
NT1 electron-atom collisions
NT1 electron-electron collisions
NT1 electron-ion collisions
NT1 electron-molecule collisions
NT1 electron-positron collisions
NT1 photon-electron collisions

electron compounds
Use intermetallic compounds

electron configuration (atoms)
Use electronic structure

ELECTRON COOLING
INIS: Aug 1975; ETDE: Jan 1975
(Reduction of particle beam oscillations by collisions with a low energy electron beam.)
BT1 beam cooling
RT beam luminosity
RT coulomb scattering
RT electron beams
RT proton beams

ELECTRON CORRELATION
(In atomic models.)
UF *correlation energy*
BT1 correlations
RT atomic models
RT density functional method

electron cyclotron masers
Use microwave amplifiers

ELECTRON CYCLOTRON-RESONANCE
UF *ecr*
*BT1 cyclotron resonance
RT ecr heating
RT ecr ion sources

electron cyclotron-resonance current drive
Use ecr current drive

electron cyclotron-resonance heating
Use ecr heating

electron cyclotron-resonance ion sources
Use ecr ion sources

ELECTRON DENSITY
UF *density (electron)*
RT current density
RT electrons
RT plasma eaters

ELECTRON DETACHMENT
(A(1 minus) yields A(neutral) + e.)
RT electron loss
RT ionization

ELECTRON DETECTION
*BT1 charged particle detection
RT beta detection
RT beta spectrometers
RT electron dosimetry
RT electron spectrometers
RT positron detection

electron-deuteron interactions
Use electron-neutron interactions
AND electron-proton interactions

ELECTRON DIFFRACTION
UF *diffraction (electron)*
UF *leed*
UF *low energy electron diffraction*
*BT1 diffraction
RT crystallography
RT diffuse scattering
RT kikuchi lines

electron donor
Use binding energy
AND electrons
AND valence

ELECTRON DOSIMETRY
BT1 dosimetry
RT electron detection

ELECTRON DRIFT
UF *drift (electron)*
RT ambipolar diffusion
RT electrons

ELECTRON-ELECTRON COLLISIONS
*BT1 electron collisions

ELECTRON-ELECTRON COUPLING
INIS: Jan 1993; ETDE: Jun 1975
BT1 coupling
RT superconductivity

electron-electron double resonance
Use eldor

ELECTRON-ELECTRON INTERACTIONS
*BT1 lepton-lepton interactions

ELECTRON EMISSION
UF *emission (electron)*
BT1 emission
NT1 photoelectric emission
RT auger effect
RT electron sources
RT field emission
RT internal electromagnetic pulses
RT thermionic emission
RT work functions

ELECTRON EXCHANGE
UF *exchange (electron)*
BT1 electron transfer
RT atom-atom collisions
RT atom-molecule collisions

ELECTRON GAS
RT fermi gas
RT gases
RT pines-bohm theory
RT solid-state plasma

ELECTRON GUNS
UF *guns (electron)*
NT1 pierce electron guns
RT electron tubes

ELECTRON-HOLE COUPLING
INIS: Sep 1989; ETDE: Mar 1980
BT1 coupling
RT electrons
RT holes
RT superconductivity

ELECTRON-HOLE DROPLETS
INIS: Jun 1983; ETDE: Feb 1979
*BT1 solid-state plasma
RT charge carriers
RT excitons
RT holes

electron-hole plasma
Use solid-state plasma

electron holes
Use holes

ELECTRON-ION COLLISIONS
*BT1 electron collisions
*BT1 ion collisions

ELECTRON-ION COUPLING
INIS: Apr 1984; ETDE: Jun 1975
BT1 coupling
RT superconductivity

ELECTRON LOSS
RT beam strippers

RT charge exchange
RT charge states
RT electron detachment
RT ionization

ELECTRON-MESON INTERACTIONS
*BT1 lepton-meson interactions
NT1 electron-pion interactions

ELECTRON MICROPROBE ANALYSIS
BT1 microanalysis
*BT1 nondestructive analysis
RT ceramography
RT electron probes
RT post-irradiation examination

ELECTRON MICROSCOPES
BT1 microscopes

ELECTRON MICROSCOPY
BT1 microscopy
NT1 scanning electron microscopy
NT1 transmission electron microscopy
RT cytological techniques
RT dielectric track detectors
RT electron scanning
RT labelled compounds
RT replicas
RT resolution
RT sample preparation
RT ultrastructural changes

ELECTRON MOBILITY
*BT1 particle mobility
RT electric conductors
RT semiconductor materials

ELECTRON-MOLECULE COLLISIONS
*BT1 electron collisions
*BT1 molecule collisions

ELECTRON MULTIPLIER DETECTORS
*BT1 radiation detectors
RT electron multipliers

ELECTRON MULTIPLIERS
UF *multiplier tubes*
BT1 electron tubes
NT1 microchannel electron multipliers
RT dynodes
RT electron multiplier detectors
RT photomultipliers

ELECTRON-MUON INTERACTIONS
*BT1 lepton-lepton interactions

ELECTRON-MUON-TAU UNIVERSALITY
INIS: Sep 1989; ETDE: Oct 1989
(Identity of all properties but mass.)
NT1 electron-muon universality
RT electrons
RT muons
RT tau particles

ELECTRON-MUON UNIVERSALITY
(Identity of all properties but mass.)
BT1 electron-muon-tau universality
RT electrons
RT muons

ELECTRON NEUTRINOS
*BT1 neutrinos
NT1 electron antineutrinos

ELECTRON-NEUTRON INTERACTIONS
(From February 1975 until March 1996 ELECTRON-DEUTERON INTERACTIONS was a valid ETDE descriptor.)
UF+ *electron-deuteron interactions*
*BT1 electron-nucleon interactions

electron nuclear double resonance
Use endor

ELECTRON-NUCLEON INTERACTIONS
*BT1 lepton-nucleon interactions
NT1 electron-neutron interactions
NT1 electron-proton interactions

ELECTRON PAIRS
RT electrons
RT pair production
RT positrons

electron paramagnetic resonance
Use electron spin resonance

ELECTRON-PHONON COUPLING
INIS: Mar 1983; ETDE: Jun 1975
BT1 coupling
RT crystal lattices
RT electrons
RT phonons
RT superconductivity

ELECTRON-PION INTERACTIONS
INIS: Aug 1982; ETDE: Apr 1979
*BT1 electron-meson interactions

ELECTRON PLASMA WAVES
UF *electron acoustic waves*
BT1 plasma waves

ELECTRON-POSITRON COLLISIONS
*BT1 electron collisions
*BT1 positron collisions

ELECTRON-POSITRON INTERACTIONS
*BT1 lepton-lepton interactions

ELECTRON PRECIPITATION
BT1 charged-particle precipitation
RT aurorae
RT auroral oval
RT midday aurorae
RT polar cusp
RT radiation belts
RT trapped electrons

ELECTRON PROBES
BT1 probes
RT electron microprobe analysis
RT x-ray emission analysis

ELECTRON-PROMOTION MODEL
UF *fano-lichten model*
BT1 mathematical models
RT diabatic approximation
RT ion-atom collisions

ELECTRON-PROTON INTERACTIONS
(From February 1975 until March 1996 ELECTRON-DEUTERON INTERACTIONS was a valid ETDE descriptor.)
UF+ *electron-deuteron interactions*
*BT1 electron-nucleon interactions

ELECTRON-QUARK INTERACTIONS
INIS: Jul 1985; ETDE: Aug 1985
*BT1 particle interactions
RT electromagnetic interactions
RT intermediate vector bosons
RT weak interactions

ELECTRON REACTIONS
*BT1 charged-particle reactions
*BT1 lepton reactions
NT1 electrofission

ELECTRON-RING ACCELERATORS
UF *adgezator*
UF *ion-drag accelerators*
UF *ringotron*
UF *smokatron*
*BT1 collective accelerators
RT electron rings

ELECTRON RINGS
INIS: May 1976; ETDE: Mar 1978
RT confinement
RT electron-ring accelerators
RT magnetic confinement

ELECTRON SCANNING
UF *scanning (electron)*
RT cathode ray tubes
RT electron microscopy

ELECTRON SOURCES
*BT1 particle sources
NT1 pierce electron guns
RT electron emission
RT thermionic emitters

ELECTRON SPECTRA
INIS: Nov 1975; ETDE: Jan 1976
BT1 spectra
RT x-ray photoelectron spectroscopy

ELECTRON SPECTROMETERS
*BT1 spectrometers
RT electron detection

ELECTRON SPECTROSCOPY
BT1 spectroscopy
NT1 auger electron spectroscopy
NT1 energy-loss spectroscopy
NT1 photoelectron spectroscopy
NT2 x-ray photoelectron spectroscopy
RT electrons

electron-spin echo
See acoustic esr

ELECTRON SPIN RESONANCE
UF *electron paramagnetic resonance*
UF *epr*
UF *esr*
UF *paramagnetic resonance (electron)*
*BT1 magnetic resonance
NT1 acoustic esr
RT double resonance methods
RT overhauser effect
RT structural chemical analysis

ELECTRON TEMPERATURE
UF *temperature (electron)*
UF+ *plasma temperature*
RT electrons
RT energy

ELECTRON TRANSFER
(Not for the concept covered by CHARGE EXCHANGE.)
UF *transfer (electron)*

NT1 electron exchange
RT carrier mobility

ELECTRON TUBES

UF+ *storage tubes*
NT1 cathode ray tubes
NT1 cold cathode tubes
NT1 counting tubes
NT1 diode tubes
NT2 thermionic diodes
NT1 electron multipliers
NT2 microchannel electron multipliers
NT1 gas discharge tubes
NT2 flash tubes
NT2 ignitrons
NT2 thyratrons
NT1 gyrocons
NT1 microwave tubes
NT2 backward wave tubes
NT2 klystrons
NT2 lasertrons
NT2 magnetrons
NT2 travelling wave tubes
NT1 plasmatrons
NT2 duoplasmatrons
NT2 triplasmatrons
NT1 rectifier tubes
NT2 ignitrons
NT1 thermionic tubes
NT2 thermionic diodes
NT1 triode tubes
NT1 x-ray tubes
RT cathodes
RT electrical equipment
RT electrodes
RT electron guns
RT electronic equipment
RT gettering
RT getters
RT image tubes
RT phototubes
RT space charge
RT thermionic emission
RT work functions

ELECTRONEGATIVITY

RT affinity
RT ionization potential

ELECTRONIC CIRCUITS

UF *circuits (electronic)*
NT1 campbelling circuits
NT1 cathode followers
NT1 coincidence circuits
NT1 comparator circuits
NT1 counting circuits
NT1 delay circuits
NT1 digital circuits
NT1 discriminators
NT2 pulse discriminators
NT1 equivalent circuits
NT1 gating circuits
NT1 limiter circuits
NT1 logic circuits
NT1 microelectronic circuits
NT2 integrated circuits
NT2 microprocessors
NT1 power conditioning circuits
NT1 printed circuits
NT1 pulse circuits
NT2 multivibrators
NT3 flip-flop circuits
NT2 pulse discriminators
NT2 signal conditioners
NT3 digitizers
NT4 cathode ray tube digitizers
NT4 flying spot digitizers
NT4 scanning measuring projectors
NT4 spiral reader digitizers
NT3 pulse shapers
NT2 trigger circuits
NT3 transistor trigger circuits
NT1 sequential circuits
NT1 sweep circuits
NT1 switching circuits
NT2 transistor switching circuits
NT1 tank circuits
NT1 timing circuits
RT amplifiers
RT analog systems
RT circuit breakers
RT circuit theory
RT counting techniques
RT digital systems
RT electric grounds
RT electrical equipment
RT electronic equipment
RT lock-in amplifiers
RT microelectronics
RT oscillators
RT response functions
RT speech synthesizers
RT transistors

electronic data processing

Use data processing

ELECTRONIC EQUIPMENT

BT1 equipment
NT1 amplifiers
NT2 ac amplifiers
NT2 dc amplifiers
NT2 dielectric amplifiers
NT2 high frequency amplifiers
NT2 lock-in amplifiers
NT2 magnetic amplifiers
NT2 microwave amplifiers
NT3 masers
NT2 operational amplifiers
NT2 parametric amplifiers
NT2 power amplifiers
NT2 preamplifiers
NT2 pulse amplifiers
NT2 transistor amplifiers
NT1 analog-to-digital converters
NT1 counting ratemeters
NT2 linear ratemeters
NT2 logarithmic ratemeters
NT1 digital-to-analog converters
NT1 function generators
NT2 pulse generators
NT3 high-voltage pulse generators
NT4 marx generators
NT1 microwave equipment
NT2 heterodyne receivers
NT2 microwave amplifiers
NT3 masers
NT2 microwave dryers
NT2 microwave tubes
NT3 backward wave tubes
NT3 klystrons
NT3 lasertrons
NT3 magnetrons
NT3 travelling wave tubes
NT2 squid devices
NT1 multiplexers
NT1 oscillators
NT2 blocking oscillators
NT2 parametric oscillators
NT2 transistor oscillators
NT1 oscillographs
NT1 power supplies
NT2 marx generators
NT2 photovoltaic power supplies
NT2 radio equipment power supplies
NT2 spacecraft power supplies
NT1 pulse analyzers
NT2 multi-channel analyzers
NT1 pulse converters
NT2 current-to-frequency converters
NT2 time-to-amplitude converters
NT1 pulse integrators
NT1 radio equipment
NT2 heterodyne receivers
NT2 ionosondes
NT2 radio telescopes
NT1 resonators
NT2 cavity resonators
NT3 superconducting cavity resonators
NT1 scalers
NT1 speech synthesizers
RT analog systems
RT atomic clocks
RT camac system
RT computer architecture
RT computers
RT consoles
RT counting techniques
RT data acquisition systems
RT digital systems
RT digitizers
RT display devices
RT electric measuring instruments
RT electrical equipment
RT electron tubes
RT electronic circuits
RT electronic guidance
RT equipment interfaces
RT image scanners
RT miniaturization
RT nuclear instrument modules
RT potting
RT potting materials
RT pulse techniques
RT radar
RT reactor components
RT recording systems
RT semiconductor devices
RT sonar
RT x-ray equipment

ELECTRONIC GUIDANCE

UF *guidance (electronic)*
BT1 control systems
RT electronic equipment
RT inertial guidance
RT navigational instruments
RT rockets
RT space vehicles

ELECTRONIC SPECIFIC HEAT

(Electron contribution to the specific heat of electronic conductors.)
*BT1 specific heat
RT magnetic specific heat
RT nuclear specific heat

ELECTRONIC STRUCTURE

(For electron configuration in atoms and molecules, and electron band structure in solids.)
UF *atomic shells*
UF *electron configuration (atoms)*
NT1 k shell
NT1 l shell
NT1 m shell
NT1 n shell
RT atomic models
RT atomic radii
RT aufbau principle
RT band theory
RT configuration interaction
RT conformational changes
RT crystal field
RT energy levels
RT extreme ultraviolet spectra
RT hartree-fock method

RT heisenberg model
RT hsk procedure
RT hubbard model
RT hybridization
RT isoelectronic atoms
RT molecular orbital method
RT muffin-tin potential
RT nanostructures
RT photoelectron spectroscopy
RT rydberg states
RT rydberg-klein-rees method
RT slater method
RT ultraviolet spectra

electronics (quantum)
Use quantum electronics

ELECTRONS
UF *knock-on electrons*
UF *negatons*
UF *negatrons*
UF+ *electron acceptor*
UF+ *electron donor*
UF+ *valence electrons*
*BT1 leptons
NT1 cosmic electrons
NT1 exoelectrons
NT1 prompt electrons
NT1 runaway electrons
NT1 solar electrons
NT1 solvated electrons
NT1 tail electrons
NT1 trapped electrons
RT beta particles
RT charge carriers
RT cooper pairs
RT delta rays
RT dirac equation
RT electron beams
RT electron density
RT electron drift
RT electron pairs
RT electron spectroscopy
RT electron temperature
RT electron-hole coupling
RT electron-muon universality
RT electron-muon-tau universality
RT electron-phonon coupling
RT muonium
RT nanostructures
RT positronium
RT positrons
RT traps
RT umklapp processes

ELECTROPHORESIS
UF *cataphoresis*
UF *drag effect*
UF *electromigration*
UF *ionophoresis*
NT1 isotachophoresis
NT1 two-dimensional electrophoresis
RT separation processes
RT thermophoresis
RT transfer numbers

ELECTROPHYSIOLOGY
INIS: Apr 1994; ETDE: Aug 1985
BT1 physiology
RT bioelectricity
RT electric conductivity
RT electric potential

ELECTROPLATING
*BT1 electrodeposition
*BT1 plating
RT electrodeposited coatings

ELECTROPOLISHING
*BT1 electrolysis
*BT1 polishing
RT cleaning

ELECTROPRODUCTION
*BT1 electromagnetic interactions
*BT1 particle interactions
BT1 particle production
RT electric born model

ELECTROREFINING
*BT1 electrolysis
*BT1 refining
RT electrometallurgy

ELECTROSCOPES
*BT1 electric measuring instruments

ELECTROSLAG CASTING
INIS: Apr 2000; ETDE: Aug 1982
*BT1 casting
RT electroslag welding

ELECTROSLAG WELDING
*BT1 welding
RT arc welding
RT electroslag casting

ELECTROSTATIC ACCELERATORS
BT1 accelerators
NT1 cockcroft-walton accelerators
NT1 dynamitrons
NT1 pelletron accelerators
NT2 5u pelletron accelerator
NT1 tandem electrostatic accelerators
NT2 antares tandem accelerator
NT2 crnl mp tandem accelerator
NT2 jaeri tandem accelerator
NT2 orsay tandem accelerator
NT2 vivitron tandem accelerator
NT1 van de graaff accelerators
NT2 crnl mp tandem accelerator
NT2 jaeri tandem accelerator
NT2 orsay tandem accelerator
NT2 vivitron tandem accelerator

ELECTROSTATIC ANALYZERS
BT1 beam analyzers
RT electrostatic lenses

ELECTROSTATIC CHARGE ELIMINATORS
UF *static electricity eliminators*
RT electric charges
RT electrostatics

ELECTROSTATIC LENSES
BT1 lenses
RT beam optics
RT electrostatic analyzers
RT electrostatic mirrors
RT electrostatic septa

ELECTROSTATIC MIRRORS
INIS: Mar 1986; ETDE: Aug 1989
BT1 mirrors
RT beam optics
RT electrostatic lenses
RT electrostatics
RT reflection

ELECTROSTATIC PRECIPITATORS
*BT1 pollution control equipment
RT air cleaning
RT air cleaning systems
RT air pollution control
RT air pollution monitors
RT dust collectors
RT electrostatics
RT gaseous wastes
RT hot gas cleanup
RT separation processes
RT stack disposal

ELECTROSTATIC PROBES
BT1 probes

ELECTROSTATIC SEPARATION
INIS: Jun 1994; ETDE: Feb 1975
BT1 separation processes

ELECTROSTATIC SEPTA
RT beam optics
RT electrostatic lenses
RT magnetic analyzers
RT septum magnets

ELECTROSTATIC SPECTROMETERS
*BT1 spectrometers

electrostatic waves
Use plasma waves

ELECTROSTATICS
RT capacitors
RT charge distribution
RT electric charges
RT electric sparks
RT electrostatic charge eliminators
RT electrostatic mirrors
RT electrostatic precipitators
RT xerography

electrovac equations
Use einstein-maxwell equations

electroweak interaction model
Use weinberg-salam gauge model

electroweak mixing angle
Use weinberg angle

electroweak model
Use weinberg-salam gauge model

electrowinning
Use electrometallurgy

ELEMENT 104
UF *eka-hafnium*
UF *kurchatovium*
UF *rutherfordium*
UF *unnilquadium*
*BT1 transplutonium elements

ELEMENT 104 253
INIS: Jun 1986; ETDE: Aug 1986
*BT1 element 104 isotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 104 254
INIS: Jun 1986; ETDE: Aug 1986
*BT1 element 104 isotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 microseconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 104 255
INIS: Jun 1986; ETDE: Aug 1986
*BT1 alpha decay radioisotopes
*BT1 element 104 isotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 104 256
INIS: Jun 1986; ETDE: Aug 1986
*BT1 element 104 isotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 104 257
INIS: Jun 1986; ETDE: Aug 1986
*BT1 alpha decay radioisotopes
*BT1 element 104 isotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 seconds living radioisotopes

ELEMENT 104 258
INIS: Jun 1986; ETDE: Aug 1986
*BT1 element 104 isotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 104 259
INIS: Jun 1986; ETDE: Aug 1986
*BT1 alpha decay radioisotopes
*BT1 element 104 isotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 104 260
INIS: Jun 1986; ETDE: Aug 1986
*BT1 element 104 isotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 104 261
INIS: Jun 1986; ETDE: Aug 1986
*BT1 alpha decay radioisotopes
*BT1 element 104 isotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 104 262
INIS: Jun 1986; ETDE: Aug 1986
*BT1 element 104 isotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 104 263
Aug 2002
*BT1 element 104 isotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 104 CHLORIDES
*BT1 chlorides
*BT1 element 104 compounds

ELEMENT 104 COMPLEXES
BT1 complexes

ELEMENT 104 COMPOUNDS
*BT1 transplutonium compounds
NT1 element 104 chlorides

ELEMENT 104 ISOTOPES
INIS: Jan 2000; ETDE: Dec 1974
*BT1 radioisotopes
NT1 element 104 253
NT1 element 104 254
NT1 element 104 255
NT1 element 104 256
NT1 element 104 257
NT1 element 104 258
NT1 element 104 259
NT1 element 104 260
NT1 element 104 261
NT1 element 104 262
NT1 element 104 263

ELEMENT 105
UF *eka-tantalum*
UF *hahnium*
UF *unnilpentium*
*BT1 trans 104 elements

ELEMENT 105 255
INIS: Jun 1986; ETDE: Aug 1986
*BT1 element 105 isotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 105 256
INIS: Jan 2002; ETDE: Nov 1999
*BT1 alpha decay radioisotopes
*BT1 element 105 isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 105 257
INIS: Jun 1986; ETDE: Aug 1986
*BT1 alpha decay radioisotopes
*BT1 element 105 isotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 105 258
INIS: Jun 1986; ETDE: Aug 1986
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 element 105 isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

ELEMENT 105 259
INIS: Jun 1986; ETDE: Aug 1986
*BT1 element 105 isotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 105 260
INIS: Jun 1986; ETDE: Aug 1986
*BT1 alpha decay radioisotopes
*BT1 element 105 isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 105 261
INIS: Jun 1986; ETDE: Aug 1986
*BT1 alpha decay radioisotopes
*BT1 element 105 isotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 105 262
INIS: Jun 1986; ETDE: Aug 1986
*BT1 alpha decay radioisotopes
*BT1 element 105 isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 105 263
INIS: Jan 1992; ETDE: Feb 1992
*BT1 alpha decay radioisotopes
*BT1 element 105 isotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 105 COMPOUNDS
*BT1 trans 104 element compounds

ELEMENT 105 ISOTOPES
INIS: Jun 1986; ETDE: Aug 1986
*BT1 radioisotopes
NT1 element 105 255
NT1 element 105 256
NT1 element 105 257
NT1 element 105 258
NT1 element 105 259
NT1 element 105 260
NT1 element 105 261
NT1 element 105 262
NT1 element 105 263

ELEMENT 106
UF *eka-tungsten*
UF *unnilhexium*
*BT1 trans 104 elements

ELEMENT 106 259
INIS: Jun 1986; ETDE: Aug 1986
*BT1 element 106 isotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 106 260
INIS: Jun 1986; ETDE: Aug 1986
*BT1 alpha decay radioisotopes
*BT1 element 106 isotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 106 261
INIS: Jun 1986; ETDE: Aug 1986
*BT1 alpha decay radioisotopes
*BT1 element 106 isotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes

ELEMENT 106 262
INIS: Mar 2001; ETDE: Nov 1999
*BT1 alpha decay radioisotopes
*BT1 element 106 isotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 106 263
INIS: Jun 1986; ETDE: Aug 1986
*BT1 alpha decay radioisotopes
*BT1 element 106 isotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 spontaneous fission radioisotopes

ELEMENT 106 265
INIS: Jun 1996; ETDE: May 1996
- *BT1 alpha decay radioisotopes
- *BT1 element 106 isotopes
- *BT1 even-odd nuclei
- *BT1 heavy nuclei
- *BT1 seconds living radioisotopes

ELEMENT 106 266
INIS: Jun 1996; ETDE: May 1996
- *BT1 alpha decay radioisotopes
- *BT1 element 106 isotopes
- *BT1 even-even nuclei
- *BT1 heavy nuclei
- *BT1 seconds living radioisotopes
- *BT1 spontaneous fission radioisotopes

ELEMENT 106 COMPOUNDS
- *BT1 trans 104 element compounds

ELEMENT 106 ISOTOPES
INIS: Mar 1976; ETDE: Apr 1976
- *BT1 radioisotopes
- **NT1** element 106 259
- **NT1** element 106 260
- **NT1** element 106 261
- **NT1** element 106 262
- **NT1** element 106 263
- **NT1** element 106 265
- **NT1** element 106 266

ELEMENT 107
- UF *eka-rhenium*
- UF *unnilseptium*
- *BT1 trans 104 elements

ELEMENT 107 261
INIS: Jun 1986; ETDE: Aug 1986
- *BT1 alpha decay radioisotopes
- *BT1 element 107 isotopes
- *BT1 heavy nuclei
- *BT1 milliseconds living radioisotopes
- *BT1 odd-even nuclei
- *BT1 spontaneous fission radioisotopes

ELEMENT 107 262
INIS: Jun 1986; ETDE: Aug 1986
- *BT1 alpha decay radioisotopes
- *BT1 element 107 isotopes
- *BT1 heavy nuclei
- *BT1 milliseconds living radioisotopes
- *BT1 odd-odd nuclei

ELEMENT 107 264
INIS: Mar 1995; ETDE: Mar 1995
- *BT1 alpha decay radioisotopes
- *BT1 element 107 isotopes
- *BT1 heavy nuclei
- *BT1 milliseconds living radioisotopes
- *BT1 odd-odd nuclei

ELEMENT 107 COMPOUNDS
- *BT1 trans 104 element compounds

ELEMENT 107 ISOTOPES
INIS: Jun 1986; ETDE: Aug 1986
- *BT1 radioisotopes
- **NT1** element 107 261
- **NT1** element 107 262
- **NT1** element 107 264

ELEMENT 108
- UF *eka-osmium*
- UF *unniloctium*
- *BT1 trans 104 elements

ELEMENT 108 264
INIS: Oct 1986; ETDE: Nov 1986
- *BT1 alpha decay radioisotopes
- *BT1 element 108 isotopes
- *BT1 even-even nuclei
- *BT1 heavy nuclei
- *BT1 microseconds living radioisotopes

ELEMENT 108 265
INIS: Jun 1986; ETDE: Aug 1986
- *BT1 alpha decay radioisotopes
- *BT1 element 108 isotopes
- *BT1 even-odd nuclei
- *BT1 heavy nuclei
- *BT1 milliseconds living radioisotopes

ELEMENT 108 266
INIS: Mar 2001; ETDE: Nov 1999
- *BT1 element 108 isotopes
- *BT1 even-even nuclei
- *BT1 heavy nuclei
- *BT1 milliseconds living radioisotopes

ELEMENT 108 270
Aug 2002
- *BT1 alpha decay radioisotopes
- *BT1 element 108 isotopes
- *BT1 even-even nuclei
- *BT1 heavy nuclei
- *BT1 seconds living radioisotopes

ELEMENT 108 COMPOUNDS
Aug 2002
- *BT1 trans 104 element compounds

ELEMENT 108 ISOTOPES
INIS: Jun 1986; ETDE: Aug 1986
- *BT1 radioisotopes
- **NT1** element 108 264
- **NT1** element 108 265
- **NT1** element 108 266
- **NT1** element 108 270

ELEMENT 109
- UF *eka-iridium*
- UF *unnilennium*
- *BT1 trans 104 elements

ELEMENT 109 266
INIS: Jun 1986; ETDE: Aug 1986
- *BT1 alpha decay radioisotopes
- *BT1 element 109 isotopes
- *BT1 heavy nuclei
- *BT1 odd-odd nuclei
- *BT1 seconds living radioisotopes

ELEMENT 109 268
INIS: Mar 1995; ETDE: Mar 1995
- *BT1 alpha decay radioisotopes
- *BT1 element 109 isotopes
- *BT1 heavy nuclei
- *BT1 milliseconds living radioisotopes
- *BT1 odd-odd nuclei

ELEMENT 109 ISOTOPES
INIS: Jun 1986; ETDE: Aug 1986
- *BT1 radioisotopes
- **NT1** element 109 266
- **NT1** element 109 268

ELEMENT 110
- UF *eka-platinum*
- UF *ununnilium*
- *BT1 trans 104 elements

ELEMENT 110 269
INIS: Mar 1995; ETDE: Mar 1995
- *BT1 alpha decay radioisotopes
- BT1 element 110 isotopes
- *BT1 even-odd nuclei
- *BT1 heavy nuclei
- *BT1 microseconds living radioisotopes

ELEMENT 110 270
INIS: Mar 2001; ETDE: Nov 1999
- *BT1 alpha decay radioisotopes
- BT1 element 110 isotopes
- *BT1 even-even nuclei
- *BT1 heavy nuclei
- *BT1 milliseconds living radioisotopes

ELEMENT 110 COMPOUNDS
- *BT1 trans 104 element compounds

ELEMENT 110 ISOTOPES
INIS: Mar 1995; ETDE: Mar 1995
- **NT1** element 110 269
- **NT1** element 110 270

ELEMENT 111
- UF *eka-gold*
- UF *unununium*
- *BT1 trans 104 elements

ELEMENT 111 272
INIS: Mar 1995; ETDE: Mar 1995
- *BT1 alpha decay radioisotopes
- BT1 element 111 isotopes
- *BT1 heavy nuclei
- *BT1 milliseconds living radioisotopes
- *BT1 odd-odd nuclei

ELEMENT 111 COMPOUNDS
- *BT1 trans 104 element compounds

ELEMENT 111 ISOTOPES
INIS: Mar 1995; ETDE: Mar 1995
- **NT1** element 111 272

ELEMENT 112
- UF *eka-mercury*
- UF *ununbium*
- *BT1 trans 104 elements

ELEMENT 112 277
INIS: May 1996; ETDE: May 1996
- *BT1 alpha decay radioisotopes
- BT1 element 112 isotopes
- *BT1 even-odd nuclei
- *BT1 heavy nuclei
- *BT1 microseconds living radioisotopes

ELEMENT 112 283
INIS: Jun 1999; ETDE: Aug 1999
- BT1 element 112 isotopes
- *BT1 even-odd nuclei
- *BT1 heavy nuclei
- *BT1 minutes living radioisotopes
- *BT1 spontaneous fission radioisotopes

ELEMENT 112 COMPOUNDS
Aug 2002
- *BT1 trans 104 element compounds

ELEMENT 112 ISOTOPES
INIS: May 1996; ETDE: May 1996
- **NT1** element 112 277
- **NT1** element 112 283

ELEMENT 113
- UF *eka-thallium*
- UF *ununtrium*
- *BT1 trans 104 elements

ELEMENT 113 COMPOUNDS
- *BT1 trans 104 element compounds

ELEMENT 114
- UF *eka-lead*
- UF *ununquadium*
- *BT1 trans 104 elements

ELEMENT 114 COMPOUNDS
- *BT1 trans 104 element compounds

ELEMENT 115
- UF *eka-bismuth*
- UF *ununpentium*

*BT1 trans 104 elements

ELEMENT 116

INIS: Mar 1977; ETDE: Dec 1976
UF *eka-polonium*
UF *ununhexium*
*BT1 trans 104 elements

ELEMENT 117

UF *eka-astatine*
UF *ununseptium*
*BT1 trans 104 elements

ELEMENT 118

INIS: Oct 1975; ETDE: Aug 1975
UF *eka-radon*
UF *ununoctium*
*BT1 trans 104 elements

ELEMENT 119

INIS: Nov 1981; ETDE: Aug 1981
UF *ununennium*
*BT1 trans 104 elements

ELEMENT 120

INIS: Nov 1981; ETDE: Aug 1981
UF *unbinilium*
*BT1 trans 104 elements

ELEMENT 126

UF *unbihexium*
*BT1 trans 104 elements

ELEMENT 128

INIS: Sep 1977; ETDE: Nov 1977
UF *unbioctium*
*BT1 trans 104 elements

ELEMENT 134

INIS: Sep 1977; ETDE: Nov 1977
UF *untriquadium*
*BT1 trans 104 elements

ELEMENT 145

INIS: Sep 1977; ETDE: Nov 1977
UF *unquadpentium*
*BT1 trans 104 elements

ELEMENT 164

INIS: Sep 1977; ETDE: Nov 1977
UF *unhexquadium*
*BT1 trans 104 elements

ELEMENT 173

INIS: Sep 1977; ETDE: Nov 1977
UF *unsepttrium*
*BT1 trans 104 elements

ELEMENT ABUNDANCE

(Always coordinate with descriptor(s) for element(s) involved.)
UF *abundance (element)*
BT1 abundance
RT chemical composition
RT cosmochemistry
RT isotope ratio
RT natural occurrence

elemental minerals

Use minerals

ELEMENTARY LENGTH

INIS: Aug 1976; ETDE: Jan 1975
BT1 distance
*BT1 length

ELEMENTARY PARTICLES

UF *fundamental particles*
NT1 antiparticles
NT2 antibaryons
NT3 antihyperons
NT4 antilambda particles
NT4 antiomega particles
NT4 antisigma particles
NT4 antixi particles
NT3 antinucleons
NT4 antineutrons
NT4 antiprotons
NT2 antikaons
NT3 antikaons neutral
NT2 antileptons
NT3 antineutrinos
NT4 electron antineutrinos
NT4 muon antineutrinos
NT3 muons plus
NT3 positrons
NT4 cosmic positrons
NT2 antimesons
NT3 pseudoscalar antimesons
NT4 anti-b neutral mesons
NT4 anti-d neutral mesons
NT1 beauty particles
NT2 b quarks
NT2 beauty baryons
NT3 lambda b neutral baryons
NT2 beauty mesons
NT3 b c mesons
NT3 b mesons
NT4 b minus mesons
NT4 b neutral mesons
NT5 anti-b neutral mesons
NT4 b plus mesons
NT3 b s mesons
NT3 b*-5325 mesons
NT1 charm particles
NT2 c quarks
NT2 charmed baryons
NT3 lambda c plus baryons
NT3 lambda c-2625 baryons
NT3 omega c neutral baryons
NT3 sigma c-2455 baryons
NT3 xi c neutral baryons
NT3 xi c plus baryons
NT2 charmed mesons
NT3 b c mesons
NT3 d mesons
NT4 d minus mesons
NT4 d neutral mesons
NT5 anti-d neutral mesons
NT4 d plus mesons
NT3 d s mesons
NT3 d s-2536 mesons
NT3 d*-2010 mesons
NT3 d*2-2460 mesons
NT3 d*s-2110 mesons
NT3 d1-2420 mesons
NT1 hadrons
NT2 baryons
NT3 antibaryons
NT4 antihyperons
NT5 antilambda particles
NT5 antiomega particles
NT5 antisigma particles
NT5 antixi particles
NT4 antinucleons
NT5 antineutrons
NT5 antiprotons
NT3 beauty baryons
NT4 lambda b neutral baryons
NT3 charmed baryons
NT4 lambda c plus baryons
NT4 lambda c-2625 baryons
NT4 omega c neutral baryons
NT4 sigma c-2455 baryons
NT4 xi c neutral baryons
NT4 xi c plus baryons
NT3 dibaryons
NT4 dineutrons
NT4 diprotons
NT4 lambda-n-2130 dibaryons
NT4 nn-2170 dibaryons
NT4 nn-2250 dibaryons
NT3 hyperons
NT4 antihyperons
NT5 antilambda particles
NT5 antiomega particles
NT5 antisigma particles
NT5 antixi particles
NT4 lambda baryons
NT5 lambda particles
NT6 antilambda particles
NT5 lambda-1405 baryons
NT5 lambda-1520 baryons
NT5 lambda-1600 baryons
NT5 lambda-1670 baryons
NT5 lambda-1690 baryons
NT5 lambda-1800 baryons
NT5 lambda-1810 baryons
NT5 lambda-1820 baryons
NT5 lambda-1830 baryons
NT5 lambda-1890 baryons
NT5 lambda-2100 baryons
NT5 lambda-2110 baryons
NT4 lambda-n-2130 dibaryons
NT4 omega baryons
NT5 omega particles
NT6 antiomega particles
NT6 omega minus particles
NT5 omega-2250 baryons
NT4 sigma baryons
NT5 sigma particles
NT6 antisigma particles
NT6 sigma minus particles
NT6 sigma neutral particles
NT6 sigma plus particles
NT5 sigma-1385 baryons
NT5 sigma-1660 baryons
NT5 sigma-1670 baryons
NT5 sigma-1750 baryons
NT5 sigma-1770 baryons
NT5 sigma-1775 baryons
NT5 sigma-1915 baryons
NT5 sigma-1940 baryons
NT5 sigma-2030 baryons
NT5 sigma-2455 baryons
NT4 xi baryons
NT5 xi particles
NT6 antixi particles
NT6 xi minus particles
NT6 xi neutral particles
NT5 xi-1530 baryons
NT5 xi-1690 baryons
NT5 xi-1820 baryons
NT5 xi-1950 baryons
NT5 xi-2030 baryons
NT5 xi-2250 baryons
NT5 xi-2500 baryons
NT4 z*baryons
NT3 n*baryons
NT4 delta baryons
NT5 delta-1232 baryons
NT5 delta-1600 baryons
NT5 delta-1620 baryons
NT5 delta-1700 baryons
NT5 delta-1900 baryons
NT5 delta-1905 baryons
NT5 delta-1910 baryons
NT5 delta-1920 baryons
NT5 delta-1930 baryons
NT5 delta-1950 baryons
NT5 delta-2000 baryons
NT5 delta-2150 baryons
NT5 delta-2200 baryons
NT5 delta-2400 baryons
NT5 delta-2420 baryons
NT5 delta-3000 baryons
NT4 n baryons
NT5 n-1440 baryons
NT5 n-1520 baryons
NT5 n-1535 baryons

NT4 k*-1410 mesons
NT4 k*-1680 mesons
NT4 k*-892 mesons
NT4 omega-1420 mesons
NT4 omega-1600 mesons
NT4 omega-782 mesons
NT4 phi-1020 mesons
NT4 phi-1680 mesons
NT4 psi-3685 mesons
NT4 psi-3770 mesons
NT4 psi-4040 mesons
NT4 psi-4160 mesons
NT4 psi-4415 mesons
NT4 rho-1450 mesons
NT4 rho-1700 mesons
NT4 rho-2150 mesons
NT4 rho-770 mesons
NT4 upsilon-10023 mesons
NT4 upsilon-10355 mesons
NT4 upsilon-10580 mesons
NT4 upsilon-10860 mesons
NT4 upsilon-11020 mesons
NT4 upsilon-9460 mesons
NT3 x-1700 mesons
NT3 x-1935 mesons
NT3 x-2220 mesons
NT3 x-3075 mesons
NT2 resonance particles
NT3 exotic resonances
NT1 intermediate bosons
NT2 intermediate vector bosons
NT3 w minus bosons
NT3 w plus bosons
NT3 z neutral bosons
NT1 leading particles
NT1 leptons
NT2 antileptons
NT3 antineutrinos
NT4 electron antineutrinos
NT4 muon antineutrinos
NT3 muons plus
NT3 positrons
NT4 cosmic positrons
NT2 electrons
NT3 cosmic electrons
NT3 exoelectrons
NT3 prompt electrons
NT3 runaway electrons
NT3 solar electrons
NT3 solvated electrons
NT3 tail electrons
NT3 trapped electrons
NT2 heavy leptons
NT3 heavy neutral muons
NT3 tau neutrinos
NT3 tau particles
NT2 muons
NT3 cosmic muons
NT3 muons minus
NT3 muons plus
NT2 neutrinos
NT3 antineutrinos
NT4 electron antineutrinos
NT4 muon antineutrinos
NT3 cosmic neutrinos
NT3 electron neutrinos
NT4 electron antineutrinos
NT3 muon neutrinos
NT4 muon antineutrinos
NT3 solar neutrinos
NT3 tau neutrinos
NT1 massless particles
NT2 gravitons
NT2 neutrinos
NT3 antineutrinos
NT4 electron antineutrinos
NT4 muon antineutrinos
NT3 cosmic neutrinos
NT3 electron neutrinos
NT4 electron antineutrinos
NT3 muon neutrinos
NT4 muon antineutrinos
NT3 solar neutrinos
NT3 tau neutrinos
NT2 photons
NT3 cosmic photons
NT1 postulated particles
NT2 dyons
NT2 gluons
NT2 goldstone bosons
NT3 axions
NT2 grace particles
NT2 gravitons
NT2 heavy neutral muons
NT2 higgs bosons
NT2 magnetic monopoles
NT2 partons
NT2 pomeranchuk particles
NT2 preons
NT2 sparticles
NT2 spurions
NT2 tachyons
NT2 taste particles
NT2 top particles
NT3 t quarks
NT2 urbaryons
NT1 strange particles
NT2 hyperons
NT3 antihyperons
NT4 antilambda particles
NT4 antiomega particles
NT4 antisigma particles
NT4 antixi particles
NT3 lambda baryons
NT4 lambda particles
NT5 antilambda particles
NT4 lambda-1405 baryons
NT4 lambda-1520 baryons
NT4 lambda-1600 baryons
NT4 lambda-1670 baryons
NT4 lambda-1690 baryons
NT4 lambda-1800 baryons
NT4 lambda-1810 baryons
NT4 lambda-1820 baryons
NT4 lambda-1830 baryons
NT4 lambda-1890 baryons
NT4 lambda-2100 baryons
NT4 lambda-2110 baryons
NT3 lambda-n-2130 dibaryons
NT3 omega baryons
NT4 omega particles
NT5 antiomega particles
NT5 omega minus particles
NT4 omega-2250 baryons
NT3 sigma baryons
NT4 sigma particles
NT5 antisigma particles
NT5 sigma minus particles
NT5 sigma neutral particles
NT5 sigma plus particles
NT4 sigma-1385 baryons
NT4 sigma-1660 baryons
NT4 sigma-1670 baryons
NT4 sigma-1750 baryons
NT4 sigma-1770 baryons
NT4 sigma-1775 baryons
NT4 sigma-1915 baryons
NT4 sigma-1940 baryons
NT4 sigma-2030 baryons
NT4 sigma-2455 baryons
NT3 xi baryons
NT4 xi particles
NT5 antixi particles
NT5 xi minus particles
NT5 xi neutral particles
NT4 xi-1530 baryons
NT4 xi-1690 baryons
NT4 xi-1820 baryons
NT4 xi-1950 baryons
NT4 xi-2030 baryons
NT4 xi-2250 baryons
NT4 xi-2500 baryons
NT3 z*baryons
NT2 s quarks
NT2 spurions
NT2 strange mesons
NT3 b s mesons
NT3 d s mesons
NT3 d s-2536 mesons
NT3 d*s-2110 mesons
NT3 k*-1410 mesons
NT3 k*-1680 mesons
NT3 k*-892 mesons
NT3 k*0-1430 mesons
NT3 k*2-1430 mesons
NT3 k*3-1780 mesons
NT3 k*4-2045 mesons
NT3 k-1460 mesons
NT3 k-1830 mesons
NT3 k1-1270 mesons
NT3 k1-1400 mesons
NT3 k2-1770 mesons
NT3 k2-1820 mesons
NT3 kaons
NT4 antikaons
NT5 antikaons neutral
NT4 cosmic kaons
NT4 kaons minus
NT4 kaons neutral
NT5 antikaons neutral
NT5 kaons neutral long-lived
NT5 kaons neutral short-lived
NT4 kaons plus
NT1 virtual particles
RT charged-particle transport theory
RT fundamental constants
RT schwinger source theory

ELEMENTS

(For chemical elements only.)
UF+ *trace elements*
NT1 metals
NT2 actinides
NT3 actinium
NT3 americium
NT3 berkelium
NT3 californium
NT3 curium
NT3 einsteinium
NT3 fermium
NT3 lawrencium
NT3 mendelevium
NT3 neptunium
NT4 neptunium-alpha
NT4 neptunium-gamma
NT3 nobelium
NT3 plutonium
NT4 plutonium-alpha
NT4 plutonium-beta
NT4 plutonium-delta
NT4 plutonium-epsilon
NT4 plutonium-gamma
NT3 protactinium
NT3 thorium
NT4 thorium-alpha
NT4 thorium-beta
NT3 uranium
NT4 depleted uranium
NT4 enriched uranium
NT5 highly enriched uranium
NT5 moderately enriched uranium
NT5 slightly enriched uranium
NT4 natural uranium
NT4 uranium-alpha
NT4 uranium-beta
NT4 uranium-gamma
NT2 alkali metals

NT3 cesium
NT3 francium
NT3 lithium
NT3 potassium
NT3 rubidium
NT3 sodium
NT2 alkaline earth metals
NT3 barium
NT3 beryllium
NT3 calcium
NT3 magnesium
NT3 radium
NT3 strontium
NT2 aluminium
NT2 antimony
NT2 bismuth
NT2 cadmium
NT2 gallium
NT2 germanium
NT2 indium
NT2 lead
NT2 liquid metals
NT2 mercury
NT2 polonium
NT2 rare earths
NT3 cerium
NT4 cerium-alpha
NT4 cerium-beta
NT4 cerium-gamma
NT3 dysprosium
NT3 erbium
NT3 europium
NT3 gadolinium
NT3 holmium
NT3 lanthanum
NT3 lutetium
NT3 neodymium
NT3 praseodymium
NT3 promethium
NT3 samarium
NT3 terbium
NT3 thulium
NT3 ytterbium
NT2 refractory metals
NT3 hafnium
NT4 hafnium-alpha
NT4 hafnium-beta
NT3 iridium
NT3 molybdenum
NT3 niobium
NT4 niobium-alpha
NT4 niobium-beta
NT3 osmium
NT3 rhenium
NT3 rhodium
NT3 ruthenium
NT3 tantalum
NT3 technetium
NT3 tungsten
NT4 tungsten-alpha
NT2 scrap metals
NT2 thallium
NT2 tin
NT2 transition elements
NT3 chromium
NT3 cobalt
NT3 copper
NT3 gold
NT3 hafnium
NT4 hafnium-alpha
NT4 hafnium-beta
NT3 iron
NT4 iron-alpha
NT4 iron-delta
NT4 iron-gamma
NT3 manganese
NT4 manganese-alpha
NT3 molybdenum
NT3 nickel
NT3 niobium
NT4 niobium-alpha
NT4 niobium-beta
NT3 platinum metals
NT4 iridium
NT4 osmium
NT4 palladium
NT4 platinum
NT4 rhodium
NT4 ruthenium
NT3 rhenium
NT3 scandium
NT3 silver
NT3 tantalum
NT3 technetium
NT3 titanium
NT4 titanium-alpha
NT4 titanium-beta
NT3 tungsten
NT4 tungsten-alpha
NT3 vanadium
NT3 yttrium
NT3 zirconium
NT4 zirconium-alpha
NT4 zirconium-beta
NT4 zirconium-omega
NT2 zinc
NT1 nonmetals
NT2 carbon
NT3 activated carbon
NT3 carbon black
NT3 carbynes
NT3 diamonds
NT3 fullerenes
NT3 graphite
NT3 pyrolytic carbon
NT2 halogens
NT3 astatine
NT3 bromine
NT3 chlorine
NT3 fluorine
NT3 iodine
NT2 hydrogen
NT2 nitrogen
NT2 oxygen
NT2 phosphorus
NT2 rare gases
NT3 argon
NT3 helium
NT3 krypton
NT3 neon
NT3 radon
NT3 xenon
NT2 sulfur
NT1 semimetals
NT2 arsenic
NT2 boron
NT2 selenium
NT2 silicon
NT2 tellurium
NT1 transuranium elements
NT2 neptunium
NT3 neptunium-alpha
NT3 neptunium-gamma
NT2 plutonium
NT3 plutonium-alpha
NT3 plutonium-beta
NT3 plutonium-delta
NT3 plutonium-epsilon
NT3 plutonium-gamma
NT2 transplutonium elements
NT3 americium
NT3 berkelium
NT3 californium
NT3 curium
NT3 einsteinium
NT3 element 104
NT3 fermium
NT3 lawrencium
NT3 mendelevium
NT3 nobelium
NT3 trans 104 elements
NT4 element 105
NT4 element 106
NT4 element 107
NT4 element 108
NT4 element 109
NT4 element 110
NT4 element 111
NT4 element 112
NT4 element 113
NT4 element 114
NT4 element 115
NT4 element 116
NT4 element 117
NT4 element 118
NT4 element 119
NT4 element 120
NT4 element 126
NT4 element 128
NT4 element 134
NT4 element 145
NT4 element 164
NT4 element 173
RT periodic system

elevation
Use levels

eliashberg equations
Use gorkov-eliashberg theory

elisa
Use enzyme immunoassay

elk river reactor
Use err reactor

ELLIOT LAKE
*BT1 ontario
RT stanleigh mine

ELLIOT MODEL
*BT1 nuclear models
RT shell models

ELLIPSOMETERS
INIS: May 1993; ETDE: Feb 1979
(Instruments for determining the ellipticity of polarized light. Used to measure the thickness of very thin transparent films.)
BT1 measuring instruments
BT1 polarimeters

ELLIPSOMETRY
INIS: May 1993; ETDE: Mar 1981
BT1 measuring methods

ELLIPTICAL CONFIGURATION
BT1 configuration

ELLSWORTHITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 uranium minerals
RT calcium oxides
RT niobium oxides
RT uranium oxides

elm (plasma physics)
Use edge localized modes

elmax devices
Use magnetic mirrors

elmo bumpy square
Use elmo devices

ELMO BUMPY TORUS
*BT1 bumpy tori
*BT1 elmo devices

ELMO DEVICES
UF *elmo bumpy square*
*BT1 magnetic mirrors
NT1 elmo bumpy torus

ELONGATION
BT1 deformation
RT expansion
RT thermal expansion

elpidite
Use silicate minerals

elution (insoluble particles)
Use elutriation

elution (soluble constituents)
Use leaching

ELUTRIATION
UF *elution (insoluble particles)*
BT1 separation processes
RT dispersions
RT dusts
RT particle size
RT particles
RT powders
RT sampling

EMANATION METHOD
NT1 emanation thermal analysis
RT materials testing
RT radiochemistry
RT rare gases

EMANATION THERMAL ANALYSIS
BT1 emanation method
BT1 thermal analysis
RT rare gases

EMANOMETERS
UF *radon monitors*
*BT1 radiation detectors

EMBALSE REACTOR
INIS: Jun 1992; ETDE: Jul 1992
(Embalse, Cordoba, Argentina)
*BT1 candu type reactors

EMBANKMENTS
INIS: Jan 1977; ETDE: Oct 1975
RT dams
RT soils

EMBARGOES
INIS: Mar 1993; ETDE: Mar 1978
(Orders or edicts of a government prohibiting the departure or entry of goods within its domains; orders issued by common carrier or public regulatory agency prohibiting the acceptance of goods.)
RT cartels
RT foreign policy
RT international cooperation
RT supply disruption
RT trade

embezzlement
Use theft

EMBOLI
RT blood circulation
RT blood flow
RT blood vessels
RT cardiovascular diseases
RT vascular diseases

EMBRITTLEMENT
NT1 helium embrittlement
NT1 hydrogen embrittlement
RT brittle-ductile transitions
RT brittleness
RT ductile-brittle transitions

EMBRYONIC CELLS
UF *amnion cells*
BT1 animal cells
RT embryos

embryonic development
Use ontogenesis

EMBRYOS
NT1 zygotes
RT age groups
RT amniotic fluid
RT carcinoembryonic antigen
RT embryonic cells
RT fetal membranes
RT fetuses
RT ontogenesis
RT pregnancy
RT prenatal irradiation
RT reproduction
RT uterus

EMC EFFECT
INIS: Nov 1985; ETDE: Jun 1985
(The unexpected variation of the structure functions of nucleons bound in nuclei as compared with the structure functions of nucleons bound in the deuteron.)
UF *european muon collaboration effect*
RT deep inelastic scattering
RT lepton reactions
RT particle structure
RT structure functions

emergencies
Use accidents

emergency core cooling system
Use eccs

emergency energy conservation act
Use emergency plans
AND energy conservation

emergency petroleum allocation act
See emergency plans

EMERGENCY PLANS
INIS: Aug 1976; ETDE: Jan 1975
(Prior to August 1985 EMERGENCY PROVISIONS was used.)
UF *emergency provisions*
UF+ *emergency energy conservation act*
SF *emergency petroleum allocation act*
RT evacuation
RT external zones
RT international nuclear event scale
RT planning
RT radiation accidents
RT reactor accidents
RT safety
RT us emergency preparedness act

emergency preparedness act
Use us emergency preparedness act

emergency provisions
Use emergency plans

emergency rods
Use scram rods

emergency showers
Use safety showers

emergency shutdown
Use scram

emery operation
Use nuclear explosions
AND underground explosions

emf
Use electromotive force

EMINENT DOMAIN
INIS: Apr 2000; ETDE: May 1979
(The right of a government to take private property for public use by virtue of the superior dominion of the sovereign power over all lands within its jurisdiction.)
RT land use
RT legal aspects
RT rights-of-way

EMISSION
NT1 electron emission
NT2 photoelectric emission
NT1 field emission
NT1 ion emission
NT1 neutron emission
NT1 photon emission
NT2 luminescence
NT3 bioluminescence
NT3 cathodoluminescence
NT3 chemiluminescence
NT3 electroluminescence
NT3 fluorescence
NT4 resonance fluorescence
NT3 lyoluminescence
NT3 phosphorescence
NT3 photoluminescence
NT3 radioluminescence
NT4 radiothermoluminescence
NT3 thermoluminescence
NT4 radiothermoluminescence
NT2 superradiance
NT1 secondary emission
NT2 photoemission
NT1 stimulated emission
NT2 superradiance
NT1 thermionic emission
RT angular distribution
RT emission spectra
RT stationary pollutant sources

emission (cooperative spontaneous)
Use superradiance

emission (electron)
Use electron emission

EMISSION COMPUTED TOMOGRAPHY
INIS: Apr 1980; ETDE: May 1980
*BT1 computerized tomography
NT1 ecat scanning
NT1 positron computed tomography
NT1 single photon emission computed tomography
RT biomedical radiography
RT gamma cameras
RT photon emission scanning
RT positron cameras
RT radioisotope scanning

emission computer axial tomography scanning
Use ecat scanning

EMISSION SPECTRA
BT1 spectra
RT emission

EMISSION SPECTROSCOPY
UF *flame spectrometry*
SF *spectrochemistry*
BT1 spectroscopy

NT1 fluorescence spectroscopy
RT cathodoluminescence
RT fourier transform spectrometers
RT qualitative chemical analysis
RT quantitative chemical analysis

emissions (industrial)
See exhaust gases
OR industrial wastes
OR liquid wastes
OR plumes
OR solid wastes
OR thermal effluents

emissions rights trading
Use emissions trading

EMISSIONS TAX
Aug 2003
(Tax on the amount of pollution produced.)
BT1 taxes
RT climatic change
RT emissions trading
RT environmental policy
RT exhaust gases
RT greenhouse gases
RT industrial wastes
RT kyoto protocol
RT liquid wastes
RT plumes
RT pollution
RT rio declaration
RT solid wastes
RT thermal effluents

EMISSIONS TRADING
Aug 2003
(Regulatory program that permits generators of pollution the option to exchange emission allowances as a cost-effective solution to achieve environmental goals.)
UF *emissions rights trading*
*BT1 environmental policy
RT allocations
RT charges
RT climatic change
RT emissions tax
RT energy policy
RT exhaust gases
RT greenhouse gases
RT industrial wastes
RT kyoto protocol
RT pollution
RT rio declaration

EMISSIVITY
UF *spectral flame radiance*
*BT1 optical properties
BT1 surface properties
RT blackbody radiation
RT radiant heat transfer

emittance (beam)
Use beam emittance

eml
See environmental measurements laboratory

emp
Use electromagnetic pulses

EMPHYSEMA
INIS: Jan 1979; ETDE: Nov 1977
BT1 pathological changes
*BT1 respiratory system diseases
RT lungs

emplacement
Use positioning

employees
Use personnel

EMPLOYMENT
(Number of workers employed.)
UF *unemployment*
SF *labor*
RT manpower
RT occupations
RT us affirmative action program
RT work
RT working days

EMS
UF *ethyl methanesulfonate*
BT1 mutagens
*BT1 sulfonic acid esters
RT methane

EMSLAND REACTOR
INIS: Feb 1980; ETDE: Mar 1980
(Lingen, Niedersachsen, Federal Republic of Germany)
UF *kernkraftwerk emsland*
*BT1 pwr type reactors

EMULSIFICATION
INIS: Mar 1992; ETDE: Jan 1975
RT demulsification
RT demulsifiers
RT emulsifiers
RT emulsions

EMULSIFIERS
BT1 additives
NT1 detergents
NT2 pluronics
RT demulsification
RT demulsifiers
RT emulsification
RT emulsions
RT soaps

EMULSIONS
*BT1 colloids
NT1 microemulsions
NT1 photographic emulsions
RT demulsification
RT demulsifiers
RT emulsification
RT emulsifiers
RT latex

ENAMELS
BT1 coatings
RT ceramics

enanthic acid
Use heptanoic acid

ENANTIOMORPHS
INIS: Apr 1984; ETDE: Feb 1976
(Pair of chemical compounds or crystals whose molecular structures have a mirror-image relationship to each other.)
UF *chiral*
UF *dextro and levo optical isomers*
UF *optical antipodes*
UF *optical isomers*
BT1 isomers
RT stereochemistry

ENCAPSULATION
INIS: Nov 1978; ETDE: Apr 1978
(May be used for biological systems, radioactive waste processing, etc.)
RT capsules
RT potting
RT potting materials
RT radioactive waste processing

ENCEPHALITIS
*BT1 nervous system diseases
RT brain
RT viral diseases

END EFFECTS
INIS: Nov 1982; ETDE: Jun 1975
UF *end losses*
RT electromagnetic lenses
RT magnetic fields
RT mhd generators
RT wall effects

end losses
Use end effects

end use sector
See commercial sector
OR industry
OR residential sector
OR transportation sector

ENDANGERED SPECIES
INIS: Oct 1991; ETDE: Mar 1976
(A species in danger of extinction in all or a significant part of its range.)
RT animals
RT biological extinction
RT plants

endf
Use nuclear data collections

ENDOCRINE DISEASES
BT1 diseases
NT1 acromegaly
NT1 cushing syndrome
NT1 diabetes mellitus
NT1 goiter
NT1 hyperparathyroidism
NT1 hyperthyroidism
NT1 hypothyroidism
NT1 thyroiditis
RT endocrine glands
RT hormones
RT menstruation disorders
RT metabolic diseases
RT reproductive disorders
RT urogenital system diseases

ENDOCRINE GLANDS
*BT1 glands
NT1 adrenal glands
NT1 pancreas
NT1 parathyroid glands
NT1 pituitary gland
NT1 thyroid
RT endocrine diseases
RT gonads
RT homeostasis
RT hormones
RT hypothalamus
RT pineal gland
RT receptors

endometrium
Use uterus

ENDONUCLEASES
INIS: Jan 1985; ETDE: Jun 1984
(Repair enzymes which remove short segments of DNA containing a damaged nucleotide or a mismatched base pair.)
*BT1 dna-ase
RT contigs
RT dna methylases
RT dna repair
RT gene recombination proteins
RT nucleoproteins
RT rflps

ENDOPLASMIC RETICULUM
BT1 cell constituents
NT1 sarcoplasmic reticulum
RT golgi complexes

ENDOR
UF *electron nuclear double resonance*
*BT1 magnetic resonance
RT double resonance methods

ENDORPHINS
INIS: Sep 1982; ETDE: Apr 1981
*BT1 neuroregulators
*BT1 polypeptides
NT1 enkephalins
RT brain
RT central nervous system depressants

ENDOSPERM
BT1 plant tissues
RT seeds

endosteum
Use bone tissues

ENDOTHELINS
Nov 2003
*BT1 polypeptides
RT endothelium
RT vasoconstrictors

ENDOTHELIUM
*BT1 animal tissues
RT endothelins
RT epithelium

ENDOTOXINS
*BT1 toxins
RT bacteria
RT infectivity
RT polysaccharides

ENDOXAN
UF *cyclophosphamide*
BT1 alkylating agents
*BT1 immunosuppressive drugs
RT immunosuppression

ENDURO
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium-nickel steels
*BT1 heat resisting alloys

enea
Use nea

enea italy
Use italian enea

ENEL-4 REACTOR
(Caorso, Italy)
UF *caorso reactor*
*BT1 bwr type reactors

enel-6 reactor
Use montalto di castro-1 reactor

enel-8 reactor
Use montalto di castro-2 reactor

energetic electrons
Use tail electrons

energetic ions
Use tail ions

energetic solar particles
Use solar particles

energia nucl e altern, com naz
Use italian enea

energieonderzoek centrum nederland
Use ecn

ENERGY
NT1 activation energy
NT1 binding energy
NT2 neutron separation energy
NT2 pairing energy
NT1 coulomb energy
NT1 dissociation energy
NT1 exergy
NT1 free energy
NT2 formation free energy
NT2 surface energy
NT1 free enthalpy
NT2 formation free enthalpy
NT2 oxygen potential
NT1 geothermal energy
NT1 heat
NT2 absorption heat
NT2 combustion heat
NT2 process heat
NT3 geothermal process heat
NT3 solar process heat
NT2 waste heat
NT1 kinetic energy
NT2 transverse energy
NT1 net energy
NT1 nuclear energy
NT1 potential energy
NT2 fission barrier
NT1 q-value
NT1 self-energy
NT1 solar energy
NT1 stored energy
NT1 threshold energy
RT electron temperature
RT energy dependence
RT energy range
RT energy sources
RT energy-momentum tensor
RT ion temperature
RT neutron temperature
RT nuclear temperature
RT photon temperature
RT proton temperature
RT radioisotope heat sources
RT thermodynamics
RT work functions

ENERGY ABSORPTION
SF *energy deposition*
*BT1 absorption
RT ionization
RT radiation doses

ENERGY ACCOUNTING
INIS: Dec 1982; ETDE: May 1977
(Procedure of preparing an 'energy balance sheet' of all energy inputs, outputs, and losses of a process or facility; energy forms, quantities, costs, and flows through the system are considered.)
UF *energy costs*
BT1 accounting
BT1 energy analysis
RT energy audits
RT energy management
RT energy quality
RT net energy

ENERGY ANALYSIS
INIS: Sep 1979; ETDE: Oct 1977
(Any analysis or methodology to discover how energy is used by economies.)
NT1 energy accounting
NT1 energy quality
NT1 net energy
RT economic analysis
RT energy models
RT input-output analysis
RT systems analysis

energy applied systems test facility
See savannah river plant

ENERGY AUDITS
INIS: Mar 1992; ETDE: Aug 1979
(The analysis of a facility to determine the forms of energy used, the quantities and costs of various forms of energy used, the purposes for which the energy is used, and the identification of energy conservation opportunities.)
BT1 audits
RT energy accounting
RT energy conservation

ENERGY BALANCE
(For energy economics studies use ENERGY ACCOUNTING.)
UF *balance (energy)*
UF+ *energy budgets*
NT1 breakeven
RT confinement
RT energy recovery
RT energy transfer

ENERGY BALANCE MASS SPECTROMETERS
*BT1 dynamic mass spectrometers

ENERGY BEAM DEPOSITION
INIS: Oct 1983; ETDE: Feb 1980
UF *ebd*
UF+ *ebd films*
UF+ *energy beam deposition films*
*BT1 surface coating

energy beam deposition films
Use energy beam deposition
AND thin films

energy budgets
Use ecosystems
AND energy balance

energy cascade
Use waste heat utilization

energy cascading
Use waste heat utilization

energy complexes
Use energy parks

ENERGY CONSERVATION
INIS: Oct 1977; ETDE: Feb 1975
(Conservation of energy resources.)
UF *conservation (energy)*
UF+ *emergency energy conservation act*
RT air infiltration
RT carpooling
RT efficiency
RT energy audits
RT energy conservation and production act
RT energy consumption
RT energy efficiency
RT energy management
RT energy management systems
RT energy recovery
RT national energy conservation incentives act
RT national energy plans
RT recycling
RT resource conservation
RT resource recovery acts
RT solar fraction

RT thermal insulation
RT total energy systems
RT us energy policy and conservation act
RT us energy tax act
RT us national energy conservation policy act
RT us national energy plan
RT us public utility regulatory policies act
RT vanpooling

ENERGY CONSERVATION AND PRODUCTION ACT

INIS: Apr 2000; ETDE: Nov 1977
UF *ecpa*
BT1 laws
RT energy conservation
RT energy supplies
RT petroleum

ENERGY CONSUMPTION

NT1 fuel consumption
RT consumption rates
RT demand
RT demand factors
RT energy conservation
RT energy efficiency
RT energy expenses
RT gas meters
RT life cycle assessment
RT net energy
RT per capita values
RT power
RT power meters
RT total energy systems
RT us energy tax act

ENERGY CONVERSION

BT1 conversion
NT1 direct energy conversion
NT2 photovoltaic conversion
NT2 thermionic conversion
NT2 thermoelectric conversion
NT2 thermomagnetic conversion
NT2 thermophotovoltaic conversion
NT1 electrochemical energy conversion
NT1 geothermal energy conversion
NT1 solar energy conversion
NT2 ocean thermal energy conversion
NT2 solar thermal conversion
RT energy transfer
RT photovoltaic effect
RT water brakes
RT wave energy converters
RT working fluids

energy costs

Use energy accounting

ENERGY DEMAND

(For general reference to all forms of energy; for electric-power demand use POWER DEMAND.)
BT1 demand
RT demand factors
RT energy efficiency
RT energy shortages
RT energy supplies
RT energy surpluses
RT power demand
RT supply and demand

ENERGY DENSITY

INIS: Sep 1980; ETDE: Apr 1979
UF *density (energy)*
RT charge density
RT quantum mechanics

ENERGY DEPENDENCE

(For explicit dependence of a certain quantity or phenomenon on the energy.)
RT energy
RT energy range
RT excitation functions
RT spectral response

energy deposition

See energy absorption
OR energy losses

energy dissipation

Use energy losses

energy distribution

Use energy spectra

ENERGY EFFICIENCY

INIS: Aug 1991; ETDE: Jun 1977
BT1 efficiency
RT energy conservation
RT energy consumption
RT energy demand
RT energy efficiency standards
RT energy quality
RT energy substitution equivalent
RT net energy
RT us public utility regulatory policies act

ENERGY EFFICIENCY STANDARDS

INIS: Aug 1991; ETDE: Aug 1980
UF *energy performance standards*
BT1 standards
RT energy efficiency
RT standardization

energy exchange

Use energy transfer

ENERGY EXPENSES

INIS: Dec 1991; ETDE: Mar 1981
(Monetary outlays or charges for energy consumed; not for Energy Costs, for which see ENERGY ACCOUNTING.)
RT cost
RT economic elasticity
RT energy consumption
RT prices

energy extension service

Use us energy extension service

ENERGY FACILITIES

INIS: Oct 1994; ETDE: Jun 1977
UF *facilities (energy)*
NT1 resource recovery facilities
RT energy parks
RT ices program
RT maintenance facilities
RT modular structures
RT nuclear facilities
RT rural energy centers
RT storage facilities
RT terminal facilities
RT underground facilities

ENERGY GAP

RT band theory
RT superconductivity

energy information administration

Use us energy information administration

energy integrated industrial parks

Use energy parks

ENERGY-LEVEL DENSITY

UF *density (energy-level)*
UF *level density*
RT energy levels
RT energy resolution
RT level widths

energy-level schemes

Use energy levels

ENERGY-LEVEL TRANSITIONS

UF *electromagnetic transitions*
UF *transitions (energy level)*
NT1 coster-kronig transitions
NT1 de-excitation
NT2 radiationless decay
NT1 excitation
NT2 collective excitations
NT2 coulomb excitation
NT2 inner-shell excitation
NT1 forbidden transitions
NT1 isomeric transitions
NT1 multipole transitions
NT2 e0-transitions
NT2 e1-transitions
NT2 e2-transitions
NT2 e3-transitions
NT2 e4-transitions
NT2 m1-transitions
NT2 m2-transitions
NT2 m3-transitions
NT2 m4-transitions
NT1 nuclear cascades
NT2 gamma cascades
NT1 stimulated emission
NT2 superradiance
RT auger effect
RT band theory
RT decay
RT einstein coefficients
RT energy levels
RT franck-condon principle
RT mixing ratio
RT multi-photon processes
RT oscillator strengths
RT selection rules

ENERGY LEVELS

UF *energy-level schemes*
UF *level schemes*
UF *resonance states*
UF *states (energy)*
NT1 d states
NT1 e states
NT1 excited states
NT2 metastable states
NT2 rotational states
NT2 rydberg states
NT2 vibrational states
NT1 f states
NT1 fermi level
NT1 g states
NT1 ground states
NT1 high spin states
NT1 isobaric analogs
NT1 negative energy states
NT1 p states
NT1 s states
NT1 virtual states
NT1 yrast states
RT bound state
RT brillouin theorem
RT eigenstates
RT electronic structure
RT energy-level density
RT energy-level transitions
RT external conversion
RT fine structure
RT internal conversion
RT jahn-teller effect
RT lamb shift

RT lande factor
RT level widths
RT nuclear cascades
RT nuclear structure
RT population inversion
RT quasibound state
RT rydberg correction
RT strangeness analog resonances
RT strength functions

ENERGY-LOSS SPECTROSCOPY

INIS: Jan 1986; ETDE: Mar 1983
*BT1 electron spectroscopy

ENERGY LOSSES

UF *degradation (energy)*
UF *energy dissipation*
UF *ionization loss*
UF *ohmic plasma losses*
SF *energy deposition*
SF *heat dissipation*
BT1 losses
NT1 ac losses
NT1 heat losses
NT1 power losses
NT1 relaxation losses
RT attenuation
RT bragg curve
RT damping
RT dissipation factor
RT flaring
RT friction
RT hysteresis
RT ionization
RT ionizing radiations
RT landau fluctuations
RT let
RT microdosimetry
RT particle losses
RT radiation effects
RT radiation length
RT radiation quality
RT range
RT shock absorbers
RT slowing-down
RT stopping power

ENERGY MANAGEMENT

INIS: Apr 1984; ETDE: Jun 1977
BT1 management
RT energy accounting
RT energy conservation
RT energy management systems
RT energy supplies
RT resource management

ENERGY MANAGEMENT SYSTEMS

INIS: Feb 1993; ETDE: Jul 1979
BT1 control systems
BT1 energy systems
RT buildings
RT computerized control systems
RT energy conservation
RT energy management

ENERGY MODELS

INIS: Mar 1992; ETDE: Jan 1976
NT1 national coal model
NT1 pies
NT1 projection series
RT computerized simulation
RT energy analysis
RT mathematical models

ENERGY-MOMENTUM TENSOR

INIS: Mar 1983; ETDE: Jul 1976
BT1 tensors
RT energy
RT general relativity theory
RT linear momentum

energy of dissociation

Use dissociation energy

energy operators

Use hamiltonians

ENERGY PARKS

INIS: Apr 2000; ETDE: Jan 1976
(From September 1979 to March 1997 INDUSTRIAL PARKS was a valid ETDE descriptor.)
UF *eiip*
UF *energy complexes*
UF *energy integrated industrial parks*
UF *parks (energy)*
SF *industrial parks*
NT1 nuclear parks
RT energy facilities
RT rural energy centers

energy performance standards

Use energy efficiency standards

ENERGY POLICY

(Overall policy concerning development, production, use, and conservation of energy and its sources.)
SF *policy*
BT1 government policies
NT1 national energy plans
NT2 us national energy plan
NT1 project independence
RT allocations
RT emissions trading
RT foreign policy
RT international energy agency
RT nuclear power phaseout
RT planning
RT regional cooperation
RT sustainable development
RT synthetic fuels corporation
RT us energy policy and conservation act
RT us national energy conservation policy act
RT us natural gas policy act
RT wends
RT world energy council

energy policy and conservation act

Use us energy policy and conservation act

ENERGY QUALITY

INIS: Apr 2000; ETDE: Apr 1978
(Measured by the energy cost of sustaining an energy flow or storage.)
BT1 energy analysis
RT energy accounting
RT energy efficiency
RT entropy

ENERGY RANGE

NT1 eev range
NT1 ev range
NT2 ev range 01-10
NT2 ev range 10-100
NT2 ev range 100-1000
NT1 gev range
NT2 gev range 01-10
NT2 gev range 10-100
NT2 gev range 100-1000
NT1 kev range
NT2 kev range 01-10
NT2 kev range 10-100
NT2 kev range 100-1000
NT1 mev range
NT2 mev range 01-10
NT2 mev range 10-100
NT2 mev range 100-1000
NT1 milli ev range
NT1 pev range
NT1 relativistic range
NT1 tev range
NT2 tev range 01-10
NT2 tev range 10-100
NT2 tev range 100-1000
RT energy
RT energy dependence
RT group constants

ENERGY RECOVERY

INIS: Dec 1985; ETDE: Apr 1978
SF *recovery*
NT1 heat recovery
RT energy balance
RT energy conservation
RT heat
RT resource recovery facilities
RT waste product utilization

energy research advisory board

Use advisory committees
AND research programs

energy research and development administration

Use us erda

ENERGY RESOLUTION

(Full Width at Half-Maximum of energy spectra.)
BT1 resolution
RT energy spectra
RT energy-level density

energy security act

Use us energy security act

energy security corporation

Use synthetic fuels corporation

ENERGY SHORTAGES

BT1 shortages
RT energy demand
RT energy supplies
RT energy surpluses
RT fuel substitution
RT international energy agency

ENERGY SOURCE DEVELOPMENT

INIS: Mar 1992; ETDE: Jan 1977
RT energy sources
RT resource assessment
RT resource development
RT resource management
RT resource potential
RT risk assessment
RT sustainable development
RT synthetic fuels corporation

ENERGY SOURCES

NT1 fossil fuels
NT2 coal
NT3 black coal
NT4 anthracite
NT4 bituminous coal
NT3 brown coal
NT4 lignite
NT3 coal fines
NT3 sapropelic coal
NT4 boghead coal
NT5 torbanite
NT4 cannel coal
NT3 subbituminous coal
NT2 natural gas
NT3 abiogenic gas
NT3 liquefied natural gas
NT2 oil sands
NT2 oil shales

NT3 black shales
NT2 peat
NT2 petroleum
NT3 petroleum fractions
NT4 petroleum distillates
NT5 gas oils
NT6 diesel fuels
NT6 fuel oils
NT7 heating oils
NT7 residual fuels
NT6 kerosene
NT4 petroleum residues
NT4 refinery gases
NT3 residual petroleum
NT3 shale oil
NT4 shale oil fractions
NT3 sour crudes
NT1 fuel gas
NT2 high btu gas
NT2 intermediate btu gas
NT3 carburetted water gas
NT3 town gas
NT3 water gas
NT2 low btu gas
NT3 producer gas
NT2 natural gas
NT3 abiogenic gas
NT3 liquefied natural gas
NT1 nuclear fuels
NT2 alloy nuclear fuels
NT2 denatured fuel
NT2 dispersion nuclear fuels
NT2 fuel solutions
NT2 liquid metal fuels
NT2 mixed carbide fuels
NT2 mixed nitride fuels
NT2 mixed oxide fuels
NT2 molten salt fuels
NT2 spent fuels
NT1 renewable energy sources
NT2 biomass
NT2 geothermal energy
NT2 hydroelectric power
NT2 solar energy
NT2 tidal power
NT2 wave power
NT2 wind power
NT1 wood fuels
RT availability
RT energy
RT energy source development
RT energy substitution equivalent
RT energy supplies
RT energy surpluses
RT interchangeability
RT sun
RT us national energy plan
RT waste heat

ENERGY SPECTRA

UF *energy distribution*
BT1 spectra
RT energy resolution
RT energy yield
RT group constants
RT rydberg correction
RT spectral density
RT spectral response
RT transverse energy

ENERGY STORAGE

UF+ *annual energy storage*
BT1 storage
NT1 cold storage
NT1 compressed air energy storage
NT1 flywheel energy storage
NT1 heat storage
NT2 latent heat storage
NT2 seasonal thermal energy storage
NT2 sensible heat storage
NT2 thermochemical heat storage
NT1 magnetic energy storage
NT2 superconducting magnetic energy storage
NT1 off-peak energy storage
NT1 photochemical energy storage
NT1 pumped storage
RT capacitive energy storage equipment
RT capacitors
RT dispersed storage and generation
RT electric batteries
RT energy storage systems
RT flywheels
RT hydraulic accumulators
RT hydrogen storage
RT mechanical energy storage equipment
RT underground storage
RT water reservoirs

ENERGY STORAGE SYSTEMS

INIS: Nov 1980; ETDE: Aug 1976
BT1 energy systems
NT1 electric batteries
NT2 lead-acid batteries
NT2 metal-gas batteries
NT3 aluminium-air batteries
NT3 cadmium-air batteries
NT3 iron-air batteries
NT3 lithium-chlorine batteries
NT3 lithium-water-air batteries
NT3 nickel-hydrogen batteries
NT3 silver-hydrogen batteries
NT3 zinc-air batteries
NT3 zinc-chlorine batteries
NT2 metal-metal batteries
NT2 metal-metal oxide batteries
NT3 iron-nickel batteries
NT3 nickel-cadmium batteries
NT3 nickel-zinc batteries
NT3 silver-cadmium batteries
NT3 silver-zinc batteries
NT3 zinc-manganese batteries
NT2 metal-nonmetal batteries
NT3 lithium-copper chloride batteries
NT3 lithium-sulfur batteries
NT3 sodium-sulfur batteries
NT3 zinc-bromine batteries
NT2 primary-secondary hybrid batteries
NT2 thermal batteries
NT1 flywheels
NT1 magnetic energy storage equipment
NT1 thermal energy storage equipment
RT capacitive energy storage equipment
RT capacitors
RT compressed air energy storage equipment
RT energy storage
RT heat storage
RT mechanical energy storage equipment
RT regenerators
RT water reservoirs

ENERGY SUBSTITUTION

INIS: Apr 2000; ETDE: Jan 1980
(Substitution of other factors, e.g., labor, capital, or materials for energy in the economy.)
RT economic elasticity
RT energy substitution equivalent
RT fuel substitution

ENERGY SUBSTITUTION EQUIVALENT

INIS: Apr 2000; ETDE: Jun 1978
(The amount of fuel saved by the substitution of one fuel for another when the same energy product is generated by both fuels.)
UF *fuel substitution equivalent*
UF *substitution equivalent*
RT energy efficiency
RT energy sources
RT energy substitution
RT fuel substitution
RT net energy

ENERGY SUPPLIES

INIS: Oct 1991; ETDE: Feb 1975
NT1 fuel supplies
RT energy conservation and production act
RT energy demand
RT energy management
RT energy shortages
RT energy sources
RT energy surpluses
RT fuel substitution
RT strategic petroleum reserve
RT supply and demand
RT supply disruption
RT us emergency preparedness act
RT us national energy plan
RT us naval petroleum reserves

ENERGY SURPLUSES

INIS: Apr 2000; ETDE: Aug 1980
RT energy demand
RT energy shortages
RT energy sources
RT energy supplies
RT fuel substitution

ENERGY SYSTEMS

INIS: Jan 1982; ETDE: Aug 1993
(Use only in generic sense; e.g., comparisons of several energy systems or theoretical studies when system is not denoted specifically.)
NT1 binary-fluid systems
NT1 cooling systems
NT2 closed-cycle cooling systems
NT2 condenser cooling systems
NT2 coolant loops
NT2 once-through cooling systems
NT2 open-cycle cooling systems
NT2 reactor cooling systems
NT3 direct cycle cooling systems
NT3 dual cycle cooling systems
NT3 integrated cooling systems
NT3 primary coolant circuits
NT4 coolant cleanup systems
NT3 rcic systems
NT3 rhr systems
NT3 secondary coolant circuits
NT3 shrouds
NT2 thermonuclear reactor cooling systems
NT1 energy management systems
NT1 energy storage systems
NT2 electric batteries
NT3 lead-acid batteries
NT3 metal-gas batteries
NT4 aluminium-air batteries
NT4 cadmium-air batteries
NT4 iron-air batteries
NT4 lithium-chlorine batteries
NT4 lithium-water-air batteries
NT4 nickel-hydrogen batteries
NT4 silver-hydrogen batteries
NT4 zinc-air batteries
NT4 zinc-chlorine batteries
NT3 metal-metal batteries
NT3 metal-metal oxide batteries
NT4 iron-nickel batteries
NT4 nickel-cadmium batteries
NT4 nickel-zinc batteries
NT4 silver-cadmium batteries
NT4 silver-zinc batteries

NT4 zinc-manganese batteries
NT3 metal-nonmetal batteries
NT4 lithium-copper chloride batteries
NT4 lithium-sulfur batteries
NT4 sodium-sulfur batteries
NT4 zinc-bromine batteries
NT3 primary-secondary hybrid batteries
NT3 thermal batteries
NT2 flywheels
NT2 magnetic energy storage equipment
NT2 thermal energy storage equipment
NT1 geopressured systems
NT1 heat distribution systems
NT1 heating systems
NT2 geothermal heating systems
NT2 solar heating systems
NT3 passive solar heating systems
NT4 bead walls
NT4 direct gain systems
NT4 drum walls
NT4 roof ponds
NT4 thermic diode solar panels
NT4 trombe walls
NT4 water walls
NT3 solar-assisted heat pumps
NT1 hot-dry-rock systems
NT1 hydrothermal systems
NT2 geothermal hot-water systems
NT2 vapor-dominated systems
NT1 ices program
NT2 thermal transmission ices
NT1 ieus
NT2 mius
NT1 lighting systems
NT1 natural gas distribution systems
NT1 power systems
NT2 ac systems
NT3 ehv ac systems
NT3 hvac systems
NT3 uhv ac systems
NT2 brayton cycle power systems
NT2 dc systems
NT3 ehv dc systems
NT3 hvdc systems
NT3 uhv dc systems
NT2 interconnected power systems
NT2 rankine cycle power systems
NT2 solar-assisted power systems
NT1 space hvac systems
NT1 steam systems
NT2 flashed steam systems
NT1 total energy systems
NT1 total flow systems
RT cogeneration

energy tax act

Use us energy tax act

energy technology data exchange

Use etde

ENERGY TRANSFER

UF *energy exchange*
UF *transfer (energy)*
NT1 heat transfer
NT2 convection
NT3 forced convection
NT3 natural convection
NT3 thermosyphon effect
NT2 heat gain
NT2 heat losses
NT2 radiant heat transfer
NT2 thermal conduction
NT1 let
NT1 radiationless decay
RT angular momentum transfer
RT energy balance
RT energy conversion
RT energy yield
RT internal waves
RT linear momentum transfer
RT mass transfer

energy transmission

See power transmission

energy transport

See natural gas distribution systems
OR pipelines
OR power transmission

ENERGY YIELD

INIS: Nov 1975; ETDE: Feb 1975
RT efficiency
RT energy spectra
RT energy transfer
RT net energy

enewetak

Use eniwetok

ENFORCEMENT

INIS: Nov 1978; ETDE: Nov 1976
RT administrative procedures
RT compliance
RT implementation
RT laws
RT legal aspects
RT pollution control agencies
RT pollution regulations
RT regulations
RT us superfund
RT violations

ENGINEERED SAFETY SYSTEMS

INIS: Jul 1992; ETDE: Jan 1975
NT1 air cleaning systems
NT1 containment systems
NT2 containment spray systems
NT1 reactor protection systems
NT2 eccs
NT3 core flooding systems
NT3 core spray systems
NT3 high pressure coolant injection
NT3 low pressure coolant injection
NT2 reactor core restraints
NT1 ventilation barriers
RT safety
RT safety engineering

ENGINEERING

NT1 chemical engineering
NT1 civil engineering
NT1 electrical engineering
NT1 environmental engineering
NT1 human factors engineering
NT1 mechanical engineering
NT1 mining engineering
NT1 nuclear engineering
NT1 reservoir engineering
NT1 safety engineering
RT engineering geology

ENGINEERING DRAWINGS

INIS: Mar 1992; ETDE: Oct 1982
*BT1 diagrams
RT design
RT specifications

ENGINEERING GEOLOGY

INIS: Sep 1992; ETDE: Mar 1977
(Geology as applied to engineering practice, especially in mining and civil engineering.)
UF *geologic engineering*
BT1 geology
RT engineering
RT soil-structure interactions

engineering personnel

Use engineers

engineering test facility (tokamak)

Use etf tokamak

engineering test reactor

Use etr reactor

engineering test reactor critical facility

Use etrc reactor

ENGINEERS

INIS: Aug 1992; ETDE: Jan 1980
UF *engineering personnel*
SF *professional personnel*
BT1 personnel
RT construction industry

ENGINES

INIS: Jan 1992; ETDE: Feb 1975
(Machines in which work is done by the conversion of energy into mechanical force and motion.)
NT1 heat engines
NT2 internal combustion engines
NT3 diesel engines
NT3 dual-fuel engines
NT3 gas turbine engines
NT3 ramjet engines
NT3 rotary engines
NT4 wankel engines
NT3 spark ignition engines
NT4 wankel engines
NT3 stratified charge engines
NT3 turbofan engines
NT3 turbojet engines
NT2 nitinol heat engines
NT2 rankine cycle engines
NT2 rocket engines
NT2 solar heat engines
NT2 stirling engines
NT1 motors
NT2 electric motors
NT3 superconducting motors
NT2 pneumatic motors
RT combustion chambers
RT federal test procedure
RT fuel injection systems

england

Use united kingdom

ENHANCED RADIATION WEAPONS

INIS: Apr 2000; ETDE: Mar 1981
UF *neutron bombs*
*BT1 nuclear weapons
RT radiological warfare

ENHANCED RECOVERY

INIS: Oct 1991; ETDE: Feb 1976
UF *secondary recovery*
UF *tertiary recovery*
UF+ *solfrac process*
SF *eor*
SF *recovery*
NT1 microbial eor
NT1 thermal recovery
RT acidization
RT carbon dioxide injection
RT caustic flooding
RT directional drilling
RT displacement fluids
RT explosive stimulation
RT fluid injection
RT fluid injection processes
RT microemulsion flooding
RT miscible-phase displacement

RT sweep efficiency
RT well stimulation

enhanced recovery (biological)
Use biological recovery

ENIWETOK
UF *enewetak*
*BT1 marshall islands
RT greenhouse project
RT hardtack project

ENKEPHALINS
INIS: Nov 1978; ETDE: Jul 1978
(Naturally occurring (brain and pituitary gland) opiate-like materials composed of a mixture of two pentapeptides.)
*BT1 endorphins
RT narcotics

ENOLS
*BT1 alcohols
RT ketones

enriched materials (isotopes)
Use isotope enriched materials

enriched materials (ores)
Use ore concentrates

ENRICHED URANIUM
*BT1 isotope enriched materials
*BT1 uranium
NT1 highly enriched uranium
NT1 moderately enriched uranium
NT1 slightly enriched uranium
RT enriched uranium reactors
RT portsmouth centrifuge enrichment plant

ENRICHED URANIUM REACTORS
(Reactors fuelled primarily with enriched uranium.)
UF+ *in-core thermionic reactor*
UF+ *itr reactor*
SF *710 reactor*
BT1 reactors
NT1 acpr reactor
NT1 aerojet-general nucleonics reactors
NT1 afsr reactor
NT1 agr type reactors
NT2 connah quay-b reactor
NT2 dungeness-b reactor
NT2 hartlepool reactor
NT2 heysham-a reactor
NT2 heysham-b reactor
NT2 hinkley point-b reactor
NT2 hunterston-b reactor
NT2 torness reactor
NT2 wagr reactor
NT1 ai-l-77 reactor
NT1 akr-1 reactor
NT1 alrr reactor
NT1 anex reactor
NT1 anna reactor
NT1 aps reactor
NT1 apsara reactor
NT1 arbus reactor
NT1 argonaut type reactors
NT2 aeg-pr-10 reactor
NT2 arbi reactor
NT2 argonaut reactor
NT2 argos reactor
NT2 athene reactor
NT2 jason reactor
NT2 lfr reactor
NT2 moata reactor
NT2 nestor reactor
NT2 queen mary college utr-b reactor
NT2 ra-1 reactor
NT2 rb-2 reactor
NT2 rien-1 reactor
NT2 srrc-utr-100 reactor
NT2 stark reactor
NT2 strasbourg-cronenbourg reactor
NT2 uftr reactor
NT2 ulysse reactor
NT2 urr reactor
NT2 utr-10-kinki reactor
NT2 vpi-utr-10 reactor
NT1 armf-1 reactor
NT1 astra reactor
NT1 atr reactor
NT1 atrc reactor
NT1 avogadro rs-1 reactor
NT1 avr reactor
NT1 bawtr reactor
NT1 beloyarsk-1 reactor
NT1 beloyarsk-2 reactor
NT1 bgrr reactor
NT1 bigr reactor
NT1 bir reactor
NT1 bor-60 reactor
NT1 borax-1 reactor
NT1 borax-2 reactor
NT1 borax-3 reactor
NT1 borax-4 reactor
NT1 borax-5 reactor
NT1 br-02 reactor
NT1 br-2 reactor
NT1 br-3-vn reactor
NT1 brr reactor
NT1 bsr-1 reactor
NT1 bsr-2 reactor
NT1 bwr type reactors
NT2 allens creek-1 reactor
NT2 allens creek-2 reactor
NT2 bailly-1 reactor
NT2 barsebaeck-1 reactor
NT2 barsebaeck-2 reactor
NT2 barton-1 reactor
NT2 barton-2 reactor
NT2 barton-3 reactor
NT2 barton-4 reactor
NT2 bell reactor
NT2 big rock point reactor
NT2 black fox-1 reactor
NT2 black fox-2 reactor
NT2 bolsa chica-1 reactor
NT2 bolsa chica-2 reactor
NT2 bonus reactor
NT2 browns ferry-1 reactor
NT2 browns ferry-2 reactor
NT2 browns ferry-3 reactor
NT2 brunsbuettel reactor
NT2 brunswick-1 reactor
NT2 brunswick-2 reactor
NT2 chinshan-1 reactor
NT2 chinshan-2 reactor
NT2 clinton-1 reactor
NT2 clinton-2 reactor
NT2 cofrentes reactor
NT2 cooper reactor
NT2 dodewaard reactor
NT2 douglas point-1 reactor
NT2 douglas point-2 reactor
NT2 dresden-1 reactor
NT2 dresden-2 reactor
NT2 dresden-3 reactor
NT2 duane arnold-1 reactor
NT2 ebwr reactor
NT2 enel-4 reactor
NT2 enrico fermi-2 reactor
NT2 err reactor
NT2 fitzpatrick reactor
NT2 forsmark-1 reactor
NT2 forsmark-2 reactor
NT2 forsmark-3 reactor
NT2 fukushima-1 reactor
NT2 fukushima-2 reactor
NT2 fukushima-3 reactor
NT2 fukushima-4 reactor
NT2 fukushima-5 reactor
NT2 fukushima-6 reactor
NT2 fukushima-ii-1 reactor
NT2 fukushima-ii-2 reactor
NT2 fukushima-ii-3 reactor
NT2 fukushima-ii-4 reactor
NT2 garigliano reactor
NT2 garona reactor
NT2 ge standard reactor
NT2 graben-1 reactor
NT2 graben-2 reactor
NT2 grand gulf-1 reactor
NT2 grand gulf-2 reactor
NT2 gundremmingen-2 reactor
NT2 gundremmingen-3 reactor
NT2 hamaoka-1 reactor
NT2 hamaoka-2 reactor
NT2 hamaoka-3 reactor
NT2 hamaoka-4 reactor
NT2 hamaoka-5 reactor
NT2 hartsville-1 reactor
NT2 hartsville-2 reactor
NT2 hartsville-3 reactor
NT2 hartsville-4 reactor
NT2 hatch-1 reactor
NT2 hatch-2 reactor
NT2 hdr reactor
NT2 hope creek-1 reactor
NT3 newbold island-1 reactor
NT2 hope creek-2 reactor
NT3 newbold island-2 reactor
NT2 humboldt bay reactor
NT2 isar reactor
NT2 jpdr reactor
NT2 jpdr-2 reactor
NT2 kaiseraugst reactor
NT2 kashiwazaki-kariwa-1 reactor
NT2 kashiwazaki-kariwa-2 reactor
NT2 kashiwazaki-kariwa-3 reactor
NT2 kashiwazaki-kariwa-4 reactor
NT2 kashiwazaki-kariwa-5 reactor
NT2 kashiwazaki-kariwa-6 reactor
NT2 kashiwazaki-kariwa-7 reactor
NT2 kruemmel reactor
NT2 kuosheng-1 reactor
NT2 kuosheng-2 reactor
NT2 la salle county-1 reactor
NT2 la salle county-2 reactor
NT2 lacbwr reactor
NT2 laguna verde-1 reactor
NT2 laguna verde-2 reactor
NT2 leibstadt reactor
NT2 limerick-1 reactor
NT2 limerick-2 reactor
NT2 lingen reactor
NT2 mendocino-1 reactor
NT2 mendocino-2 reactor
NT2 millstone-1 reactor
NT2 montague-1 reactor
NT2 montague-2 reactor
NT2 montalto di castro-1 reactor
NT2 montalto di castro-2 reactor
NT2 monticello reactor
NT2 muehleberg reactor
NT2 nine mile point-1 reactor
NT2 nine mile point-2 reactor
NT2 okg-1 reactor
NT2 okg-2 reactor
NT2 olkiluoto-1 reactor
NT2 olkiluoto-2 reactor
NT2 onagawa-1 reactor
NT2 onagawa-2 reactor
NT2 onagawa-3 reactor
NT2 oyster creek-1 reactor
NT2 pathfinder reactor

NT2 peach bottom-2 reactor
NT2 peach bottom-3 reactor
NT2 perry-1 reactor
NT2 perry-2 reactor
NT2 philippsburg-1 reactor
NT2 phipps bend-1 reactor
NT2 phipps bend-2 reactor
NT2 pilgrim-1 reactor
NT2 quad cities-1 reactor
NT2 quad cities-2 reactor
NT2 ringhals-1 reactor
NT2 river bend-1 reactor
NT2 river bend-2 reactor
NT2 rwe-bayernwerk reactor
NT2 shika-1 reactor
NT2 shimane-1 reactor
NT2 shimane-2 reactor
NT2 shoreham reactor
NT2 skagit-1 reactor
NT2 skagit-2 reactor
NT2 sl-1 reactor
NT2 susquehanna-1 reactor
NT2 susquehanna-2 reactor
NT2 tarapur-1 reactor
NT2 tarapur-2 reactor
NT2 tokai-2 reactor
NT2 tsuruga reactor
NT2 tullnerfeld reactor
NT2 vak reactor
NT2 vbwr reactor
NT2 vermont yankee reactor
NT2 verplanck-1 reactor
NT2 verplanck-2 reactor
NT2 vk-50 reactor
NT2 wnp-2 reactor
NT3 hanford-2 reactor
NT2 wuergassen reactor
NT2 zimmer-1 reactor
NT2 zimmer-2 reactor
NT1 byu l-77 reactor
NT1 cabri reactor
NT1 cesnef reactor
NT1 chernobylsk-1 reactor
NT1 chernobylsk-2 reactor
NT1 chernobylsk-3 reactor
NT1 chernobylsk-4 reactor
NT1 consort-2 reactor
NT1 coral-1 reactor
NT1 cp-3m reactor
NT1 cp-5 reactor
NT1 cvtr reactor
NT1 democritus reactor
NT1 dfr reactor
NT1 dido reactor
NT1 dmtr reactor
NT1 dr-1 reactor
NT1 dr-2 reactor
NT1 dr-3 reactor
NT1 dragon reactor
NT1 ebor reactor
NT1 egcr reactor
NT1 el-3 reactor
NT1 el-4 reactor
NT1 enrico fermi-1 reactor
NT1 eocr reactor
NT1 esada-vesr reactor
NT1 essor reactor
NT1 etr reactor
NT1 etrc reactor
NT1 etrr-2 reactor
NT1 evsr reactor
NT1 ewg-1 reactor
NT1 fmrb reactor
NT1 fnr reactor
NT1 fr-0 reactor
NT1 frf reactor
NT1 frg-1 reactor
NT1 frg-2 reactor
NT1 frj-1 reactor
NT1 frj-2 reactor
NT1 frm reactor
NT1 fulton-1 reactor
NT1 fulton-2 reactor
NT1 ga siwabessy reactor
NT1 ga standard reactor
NT1 getr reactor
NT1 gharr-1 reactor
NT1 gtrr reactor
NT1 hanaro reactor
NT1 harmonie reactor
NT1 hbwr reactor
NT1 hector reactor
NT1 herald reactor
NT1 hero reactor
NT1 hfbr reactor
NT1 hfetr reactor
NT1 hfir reactor
NT1 hfr reactor
NT1 hifar reactor
NT1 hnpf reactor
NT1 hor reactor
NT1 horace reactor
NT1 hprr reactor
NT1 hre-2 reactor
NT1 htltr reactor
NT1 htr reactor
NT1 htr-10 reactor
NT1 httr reactor
NT1 hwctr reactor
NT1 ian-r1 reactor
NT1 iear-1 reactor
NT1 ignalina-1 reactor
NT1 ignalina-2 reactor
NT1 igr reactor
NT1 irl reactor
NT1 irr-1 reactor
NT1 irt reactor
NT1 irt-2000 djakarta reactor
NT1 irt-2000 moscow reactor
NT1 irt-c reactor
NT1 irt-f reactor
NT1 irt-sofia reactor
NT1 isis reactor
NT1 ispra-1 reactor
NT1 janus reactor
NT1 jeep-2 reactor
NT1 jen reactor
NT1 jen-1 reactor
NT1 jmtr reactor
NT1 jrr-1 reactor
NT1 jrr-2 reactor
NT1 jrr-3m reactor
NT1 jrr-4 reactor
NT1 knk reactor
NT1 knk-2 reactor
NT1 kuca reactor
NT1 kuhfr reactor
NT1 kur reactor
NT1 kursk-1 reactor
NT1 kursk-2 reactor
NT1 kursk-3 reactor
NT1 kursk-4 reactor
NT1 leningrad-1 reactor
NT1 leningrad-2 reactor
NT1 leningrad-3 reactor
NT1 leningrad-4 reactor
NT1 lido reactor
NT1 litr reactor
NT1 lpr reactor
NT1 lptr reactor
NT1 lucens reactor
NT1 maple reactor
NT1 maple type reactors
NT1 maria reactor
NT1 marviken reactor
NT1 maryla reactor
NT1 masurca reactor
NT1 melusine-1 reactor
NT1 merlin reactor
NT1 minerve reactor
NT1 mitr reactor
NT1 ml-1 reactor
NT1 mnr reactor
NT1 mrr reactor
NT1 msre reactor
NT1 mtr reactor
NT1 murr reactor
NT1 n-reactor
NT1 ncscr-1 reactor
NT1 nevada university reactor
NT1 nhr-5 reactor
NT1 niederaichbach reactor
NT1 nsrr reactor
NT1 ntr reactor
NT1 nuclear furnace reactor
NT1 oldbury-b reactor
NT1 omre reactor
NT1 orr reactor
NT1 osiris reactor
NT1 owr reactor
NT1 parr reactor
NT1 pbr reactor
NT1 pctr reactor
NT1 peach bottom-1 reactor
NT1 pegase reactor
NT1 peggy reactor
NT1 pelinduna reactor
NT1 perryman-1 reactor
NT1 perryman-2 reactor
NT1 phebus reactor
NT1 phenix reactor
NT1 pik physical model reactor
NT1 pik reactor
NT1 pluto reactor
NT1 pnpf reactor
NT1 prnc-l-77 reactor
NT1 proteus reactor
NT1 prr reactor
NT1 prr-1 reactor
NT1 ptr reactor
NT1 pulstar-buffalo reactor
NT1 pwr type reactors
NT2 aguirre reactor
NT2 almaraz-1 reactor
NT2 almaraz-2 reactor
NT2 angra-1 reactor
NT2 angra-2 reactor
NT2 angra-3 reactor
NT2 ardennes b-1 reactor
NT2 ardennes reactor
NT2 arkansas-1 reactor
NT2 arkansas-2 reactor
NT2 asco-1 reactor
NT2 asco-2 reactor
NT2 atlantic-1 reactor
NT2 atlantic-2 reactor
NT2 basf-1 reactor
NT2 basf-2 reactor
NT2 beaver valley-1 reactor
NT2 beaver valley-2 reactor
NT2 bellefonte-1 reactor
NT2 bellefonte-2 reactor
NT2 belleville sur loire-1 reactor
NT2 belleville sur loire-2 reactor
NT2 beznau-1 reactor
NT2 beznau-2 reactor
NT2 biblis-1 reactor
NT2 biblis-2 reactor
NT2 biblis-3 reactor
NT2 biblis-4 reactor
NT2 blayais-1 reactor
NT2 blue hills-1 reactor
NT2 blue hills-2 reactor
NT2 borssele reactor
NT2 br-3 reactor
NT2 braidwood-1 reactor
NT2 braidwood-2 reactor

NT2 brokdorf reactor
NT2 bugey-2 reactor
NT2 bugey-3 reactor
NT2 bugey-4 reactor
NT2 bugey-5 reactor
NT2 bw standard reactor
NT2 byron-1 reactor
NT2 byron-2 reactor
NT2 calhoun-1 reactor
NT2 calhoun-2 reactor
NT2 callaway-1 reactor
NT2 callaway-2 reactor
NT2 calvert cliffs-1 reactor
NT2 calvert cliffs-2 reactor
NT2 catawba-1 reactor
NT2 catawba-2 reactor
NT2 cattenom-1 reactor
NT2 cattenom-2 reactor
NT2 cattenom-3 reactor
NT2 cattenom-4 reactor
NT2 ce standard reactor
NT2 cherokee-1 reactor
NT2 cherokee-2 reactor
NT2 cherokee-3 reactor
NT2 chinon-b1 reactor
NT2 comanche peak-1 reactor
NT2 comanche peak-2 reactor
NT2 connecticut yankee reactor
NT2 cook-1 reactor
NT2 cook-2 reactor
NT2 cruas-2 reactor
NT2 cruas-3 reactor
NT2 cruas-4 reactor
NT2 crystal river-3 reactor
NT2 crystal river-4 reactor
NT2 dampierre-1 reactor
NT2 dampierre-2 reactor
NT2 dampierre-3 reactor
NT2 dampierre-4 reactor
NT2 davis besse-1 reactor
NT2 davis besse-2 reactor
NT2 davis besse-3 reactor
NT2 daya bay-1 reactor
NT2 daya bay-2 reactor
NT2 diablo canyon-1 reactor
NT2 diablo canyon-2 reactor
NT2 doel-1 reactor
NT2 doel-2 reactor
NT2 doel-3 reactor
NT2 doel-4 reactor
NT2 efdr-50 reactor
NT2 emsland reactor
NT2 erie-1 reactor
NT2 erie-2 reactor
NT2 farley-1 reactor
NT2 farley-2 reactor
NT2 fessenheim-1 reactor
NT2 flamanville-1 reactor
NT2 flamanville-2 reactor
NT2 forked river-1 reactor
NT2 genkai-1 reactor
NT2 genkai-2 reactor
NT2 genkai-3 reactor
NT2 genkai-4 reactor
NT2 ginna-1 reactor
NT2 goesgen reactor
NT2 golfech-1 reactor
NT2 golfech-2 reactor
NT2 grafenrheinfeld reactor
NT2 gravelines-b1 reactor
NT2 gravelines-c6 reactor
NT2 greene county reactor
NT2 greenwood-2 reactor
NT2 greenwood-3 reactor
NT2 grohnde reactor
NT2 hamm-uentrop reactor
NT2 harris-1 reactor
NT2 harris-2 reactor
NT2 harris-3 reactor
NT2 harris-4 reactor
NT2 haven-1 reactor
NT3 koshkonong-1 reactor
NT2 haven-2 reactor
NT3 koshkonong-2 reactor
NT2 ikata reactor
NT2 ikata-2 reactor
NT2 ikata-3 reactor
NT2 indian point-1 reactor
NT2 indian point-2 reactor
NT2 indian point-3 reactor
NT2 iran-1 reactor
NT2 iran-2 reactor
NT2 isar-2 reactor
NT2 jamesport-1 reactor
NT2 jamesport-2 reactor
NT2 kewaunee reactor
NT2 koeberg-1 reactor
NT2 koeberg-2 reactor
NT2 kori-1 reactor
NT2 kori-2 reactor
NT2 kori-3 reactor
NT2 kori-4 reactor
NT2 krsko reactor
NT2 lemoniz-1 reactor
NT2 lemoniz-2 reactor
NT2 lenin reactor
NT2 leonid brezhnev reactor
NT2 lingao-1 reactor
NT2 lingao-2 reactor
NT2 loft reactor
NT2 lucie-1 reactor
NT2 lucie-2 reactor
NT2 maanshan-1 reactor
NT2 maine yankee reactor
NT2 malibu-1 reactor
NT2 marble hill-1 reactor
NT2 marble hill-2 reactor
NT2 mc guire-1 reactor
NT2 mc guire-2 reactor
NT2 mh-1a reactor
NT2 midland-1 reactor
NT2 midland-2 reactor
NT2 mihama-1 reactor
NT2 mihama-2 reactor
NT2 mihama-3 reactor
NT2 millstone-2 reactor
NT2 millstone-3 reactor
NT2 muelheim-kaerlich reactor
NT2 mutsu reactor
NT2 neckar-1 reactor
NT2 neckar-2 reactor
NT2 nep-1 reactor
NT2 nep-2 reactor
NT2 neupotz-1 reactor
NT2 neupotz-2 reactor
NT2 nogent sur seine-1 reactor
NT2 nogent sur seine-2 reactor
NT2 north anna-1 reactor
NT2 north anna-2 reactor
NT2 north anna-3 reactor
NT2 north anna-4 reactor
NT2 north coast-1 reactor
NT2 obrigheim reactor
NT2 oconee-1 reactor
NT2 oconee-2 reactor
NT2 oconee-3 reactor
NT2 oi-1 reactor
NT2 oi-2 reactor
NT2 oi-3 reactor
NT2 oi-4 reactor
NT2 oktemberyan-2 reactor
NT2 otto hahn reactor
NT2 palisades-1 reactor
NT2 palo verde-1 reactor
NT2 palo verde-2 reactor
NT2 palo verde-3 reactor
NT2 palo verde-4 reactor
NT2 palo verde-5 reactor
NT2 paluel-1 reactor
NT2 paluel-2 reactor
NT2 paluel-3 reactor
NT2 paluel-4 reactor
NT2 pat reactor
NT2 pebble springs-1 reactor
NT2 pebble springs-2 reactor
NT2 penly-1 reactor
NT2 perkins-1 reactor
NT2 perkins-2 reactor
NT2 perkins-3 reactor
NT2 philippsburg-2 reactor
NT2 pilgrim-2 reactor
NT2 pilgrim-3 reactor
NT2 pm-2a reactor
NT2 pm-3a reactor
NT2 pnpp-1 reactor
NT2 point beach-1 reactor
NT2 point beach-2 reactor
NT2 prairie island-1 reactor
NT2 prairie island-2 reactor
NT2 qinshan-1 reactor
NT2 qinshan-2-1 reactor
NT2 qinshan-2-2 reactor
NT2 quanicassee-1 reactor
NT2 quanicassee-2 reactor
NT2 rancho seco-1 reactor
NT2 remerschen reactor
NT2 rheinsberg akw1 reactor
NT2 ringhals-2 reactor
NT2 ringhals-3 reactor
NT2 ringhals-4 reactor
NT2 robinson-2 reactor
NT2 rooppur reactor
NT2 rowe yankee reactor
NT2 s1c prototype reactor
NT2 saint alban-1 reactor
NT2 saint alban-2 reactor
NT2 saint laurent-b1 reactor
NT2 salem-1 reactor
NT2 salem-2 reactor
NT2 san onofre-1 reactor
NT2 san onofre-2 reactor
NT2 san onofre-3 reactor
NT2 savannah reactor
NT2 saxton reactor
NT2 seabrook-1 reactor
NT2 seabrook-2 reactor
NT2 selni reactor
NT2 sendai-1 reactor
NT2 sendai-2 reactor
NT2 sequoyah-1 reactor
NT2 sequoyah-2 reactor
NT2 shippingport reactor
NT2 sizewell-b reactor
NT2 sm-1 reactor
NT2 sm-1a reactor
NT2 south texas project-1 reactor
NT2 south texas project-2 reactor
NT2 stade reactor
NT2 sterling-1 reactor
NT2 sterling-2 reactor
NT2 summer-1 reactor
NT2 sundesert-1 reactor
NT2 sundesert-2 reactor
NT2 surry-1 reactor
NT2 surry-2 reactor
NT2 surry-3 reactor
NT2 surry-4 reactor
NT2 takahama-1 reactor
NT2 takahama-2 reactor
NT2 takahama-3 reactor
NT2 takahama-4 reactor
NT2 three mile island-1 reactor
NT2 three mile island-2 reactor
NT2 tihange reactor
NT2 tihange-2 reactor
NT2 tihange-3 reactor
NT2 tomari-1 reactor

NT2 tomari-2 reactor
NT2 tricastin-1 reactor
NT2 tricastin-4 reactor
NT2 trillo-1 reactor
NT2 trojan reactor
NT2 tsuruga-2 reactor
NT2 turkey point-3 reactor
NT2 turkey point-4 reactor
NT2 tva-1 reactor
NT2 tva-2 reactor
NT2 tyrone-1 reactor
NT2 tyrone-2 reactor
NT2 ulchin-1 reactor
NT2 ulchin-2 reactor
NT2 ulchin-3 reactor
NT2 ulchin-4 reactor
NT2 unterweser reactor
NT2 vahnum-1 reactor
NT2 vahnum-2 reactor
NT2 vandellos-2 reactor
NT2 vogtle-1 reactor
NT2 vogtle-2 reactor
NT2 vogtle-3 reactor
NT2 vogtle-4 reactor
NT2 waterford-3 reactor
NT2 waterford-4 reactor
NT2 watts bar-1 reactor
NT2 watts bar-2 reactor
NT2 westinghouse standard reactor
NT2 wnp-1 reactor
NT2 wnp-3 reactor
NT2 wnp-4 reactor
NT2 wnp-5 reactor
NT2 wolf creek-1 reactor
NT2 wup-3 reactor
NT2 wup-4 reactor
NT2 wup-5 reactor
NT2 wup-6 reactor
NT2 wwer type reactors
NT3 armenian-1 reactor
NT3 armenian-2 reactor
NT3 balakovo-1 reactor
NT3 balakovo-2 reactor
NT3 balakovo-3 reactor
NT3 balakovo-4 reactor
NT3 blahutovice-1 reactor
NT3 bohunice v-1 reactor
NT3 bohunice v-2 reactor
NT3 dukovany-1 reactor
NT3 dukovany-2 reactor
NT3 dukovany-3 reactor
NT3 dukovany-4 reactor
NT3 greifswald-1 reactor
NT3 greifswald-2 reactor
NT3 greifswald-3 reactor
NT3 greifswald-4 reactor
NT3 greifswald-5 reactor
NT3 greifswald-6 reactor
NT3 juragua-1 reactor
NT3 kalinin-1 reactor
NT3 kalinin-3 reactor
NT3 kecerovce-1 reactor
NT3 khmelnitskij-1 reactor
NT3 kola-1 reactor
NT3 kola-2 reactor
NT3 kola-3 reactor
NT3 kola-4 reactor
NT3 kozloduy-1 reactor
NT3 kozloduy-2 reactor
NT3 kozloduy-3 reactor
NT3 kozloduy-4 reactor
NT3 kozloduy-5 reactor
NT3 kozloduy-6 reactor
NT3 loviisa-1 reactor
NT3 loviisa-2 reactor
NT3 mochovce-1 reactor
NT3 mochovce-2 reactor
NT3 novovoronezh-1 reactor
NT3 novovoronezh-2 reactor
NT3 novovoronezh-3 reactor
NT3 novovoronezh-4 reactor
NT3 novovoronezh-5 reactor
NT3 paks-1 reactor
NT3 paks-2 reactor
NT3 paks-3 reactor
NT3 paks-4 reactor
NT3 rovno-1 reactor
NT3 rovno-2 reactor
NT3 rovno-3 reactor
NT3 rovno-4 reactor
NT3 rovno-5 reactor
NT3 south ukrainian-1 reactor
NT3 south ukrainian-2 reactor
NT3 south ukrainian-3 reactor
NT3 stendal-1 reactor
NT3 tatarian reactor
NT3 temelin-1 reactor
NT3 temelin-2 reactor
NT3 tianwan-1 reactor
NT3 zaporozhe-1 reactor
NT3 zaporozhe-2 reactor
NT3 zaporozhe-3 reactor
NT3 zaporozhe-4 reactor
NT3 zaporozhe-5 reactor
NT3 zaporozhe-6 reactor
NT2 wyhl-1 reactor
NT2 wyhl-2 reactor
NT2 yellow creek-1 reactor
NT2 yellow creek-2 reactor
NT2 yonggwang-1 reactor
NT2 yonggwang-2 reactor
NT2 yonggwang-3 reactor
NT2 yonggwang-4 reactor
NT2 zion-1 reactor
NT2 zion-2 reactor
NT2 zorita-1 reactor
NT1 r-2 reactor
NT1 r-a reactor
NT1 r2-0 reactor
NT1 ra-5 reactor
NT1 ra-6 reactor
NT1 ra-8 reactor
NT1 rana reactor
NT1 rapsodie reactor
NT1 rb-1 reactor
NT1 rg-1m reactor
NT1 ritmo reactor
NT1 rospo reactor
NT1 rpt reactor
NT1 rts-1 reactor
NT1 rv-1 reactor
NT1 safari-1 reactor
NT1 saphir reactor
NT1 sbr-1 reactor
NT1 schmehausen-2 reactor
NT1 ser reactor
NT1 sghwr reactor
NT1 shca reactor
NT1 silene reactor
NT1 siloe reactor
NT1 siloette reactor
NT1 slowpoke type reactors
NT2 slowpoke-alberta reactor
NT2 slowpoke-dalhousie reactor
NT2 slowpoke-montreal reactor
NT2 slowpoke-ottawa reactor
NT2 slowpoke-toronto reactor
NT2 slowpoke-wnre reactor
NT1 smolensk-1 reactor
NT1 smolensk-2 reactor
NT1 smolensk-3 reactor
NT1 snap 10 reactor
NT2 s10fs-1 reactor
NT2 s10fs-3 reactor
NT2 s10fs-4 reactor
NT1 snap 2 reactor
NT2 s2ds reactor
NT1 snap 50 reactor
NT1 snap 8 reactor
NT2 s8dr reactor
NT2 s8er reactor
NT1 snap-tsf reactor
NT1 snaptran reactors
NT1 spert-1 reactor
NT1 spert-2 reactor
NT1 spert-3 reactor
NT1 spert-4 reactor
NT1 sr-1 reactor
NT1 sr-oa reactor
NT1 sre reactor
NT1 stacy reactor
NT1 stek reactor
NT1 stir reactor
NT1 summit-1 reactor
NT1 summit-2 reactor
NT1 super phenix reactor
NT1 supo reactor
NT1 sur-100 series reactor
NT1 tca reactor
NT1 thetis reactor
NT1 thor reactor
NT1 thtr-300 reactor
NT1 tibr reactor
NT1 toshiba reactor
NT1 tr-1 reactor
NT1 tr-2 reactor
NT1 tracy reactor
NT1 treat reactor
NT1 triga type reactors
NT2 afrri reactor
NT2 atpr reactor
NT2 colorado triga-mk-3 reactor
NT2 cornell triga-mk-2 reactor
NT2 dow triga-mk-1 reactor
NT2 fir-1 reactor
NT2 frf-2 reactor
NT2 frn reactor
NT2 gulf triga-mk-3 reactor
NT2 kartini-ppny reactor
NT2 lopra reactor
NT2 nscr reactor
NT2 ostr reactor
NT2 prpr reactor
NT2 pstr reactor
NT2 rtp reactor
NT2 trico reactor
NT2 triga-1-arizona reactor
NT2 triga-1-california reactor
NT2 triga-1-hanford reactor
NT2 triga-1-hanover reactor
NT2 triga-1-heidelberg reactor
NT2 triga-1-michigan reactor
NT2 triga-2 reactor
NT2 triga-2-bandung reactor
NT2 triga-2-bangladesh reactor
NT2 triga-2-dalat reactor
NT2 triga-2-illinois reactor
NT2 triga-2-kansas reactor
NT2 triga-2-ljubljana reactor
NT2 triga-2-mainz reactor
NT2 triga-2-musashi reactor
NT2 triga-2-pavia reactor
NT2 triga-2-pitesti reactor
NT2 triga-2-rikkyo reactor
NT2 triga-2-rome reactor
NT2 triga-2-seoul reactor
NT2 triga-2-vienna reactor
NT2 triga-3-la jolla reactor
NT2 triga-3-munich reactor
NT2 triga-3-salazar reactor
NT2 triga-3-seoul reactor
NT2 triga-brazil reactor
NT2 triga-texas reactor
NT2 triga-veterans reactor
NT2 ucbrr reactor
NT2 uwnr reactor
NT2 wsur reactor

NT1 triton reactor
NT1 trr-1 reactor
NT1 tsr-1 reactor
NT1 tz1 reactor
NT1 tz2 reactor
NT1 uhtrex reactor
NT1 uknr reactor
NT1 umne-1 reactor
NT1 umrr reactor
NT1 utrr reactor
NT1 uvar reactor
NT1 uwtr reactor
NT1 venus reactor
NT1 vg-400 reactor
NT1 vgr-50 reactor
NT1 vhtr reactor
NT1 vidal-1 reactor
NT1 vidal-2 reactor
NT1 viper reactor
NT1 vr-1 reactor
NT1 vrain reactor
NT1 wntr reactor
NT1 wpir reactor
NT1 wr-1 reactor
NT1 wrrr reactor
NT1 wtr reactor
NT1 wwr type reactors
NT2 budapest training reactor
NT2 irt-baghdad reactor
NT2 lvr-15 reactor
NT2 wwr-2 reactor
NT2 wwr-k-almaty reactor
NT2 wwr-m-kiev reactor
NT2 wwr-m-leningrad reactor
NT2 wwr-s-bucharest reactor
NT2 wwr-s-budapest reactor
NT2 wwr-s-cairo reactor
NT2 wwr-s-moscow reactor
NT2 wwr-s-prague reactor
NT2 wwr-s-tashkent reactor
NT2 wwr-sm rossendorf reactor
NT2 wwr-z reactor
NT1 xma-1 reactor
NT1 zlfr reactor
NT1 zpr reactor
RT beloyarsk-3 reactor
RT bn-350 reactor
RT cesar reactor
RT clinch river breeder reactor
RT ebr-2 reactor
RT enriched uranium
RT eole reactor
RT iea-zpr reactor
RT lwgr type reactors
RT nora reactor
RT pdp reactor
RT pfr reactor
RT sneak reactor
RT vera reactor
RT zebra reactor
RT zenith reactor

ENRICHMENT

INIS: Apr 2000; ETDE: Apr 1975
(For isotopic enrichment use ISOTOPE SEPARATION.)
NT1 ore enrichment
NT1 oxygen enrichment
RT isotope separation
RT purification
RT refining

enrichment (isotopic)

Use isotope separation

enrichment (ores)

Use ore enrichment

enrichment (uranium)

Use isotope separation

enrichment plants (centrifuge)

Use centrifuge enrichment plants

enrichment plants (gaseous diffusion)

Use gaseous diffusion plants

enrichment plants (ultracentrifuge)

Use centrifuge enrichment plants

ENRICO FERMI-1 REACTOR

(Lagoona Beach, Michigan, USA)
*BT1 enriched uranium reactors
*BT1 lmfbr type reactors
*BT1 power reactors
*BT1 sodium cooled reactors

ENRICO FERMI-2 REACTOR

(New Port, Michigan, USA)
*BT1 bwr type reactors

enrico fermi award

Use awards

enrico fermi nuclear research center reactor

Use cesnef reactor

enrico fermi reactor

See pwr type reactors
OR ship propulsion reactors

ENSTATITE

(A common rock forming mineral of the orthpyroxene group.)
*BT1 silicate minerals
RT magnesium silicates

ENTERITIS

*BT1 digestive system diseases
RT diarrhea
RT intestines

ENTHALPY

*BT1 thermodynamic properties
NT1 absorption heat
NT1 adsorption heat
NT1 mixing heat
NT1 reaction heat
NT2 combustion heat
NT2 dissociation heat
NT2 formation heat
NT1 solution heat
NT1 transition heat
NT2 fusion heat
NT2 sublimation heat
NT2 vaporization heat
RT entropy
RT heating load
RT thermodynamics

enthalpy of formation

Use formation heat

ENTITLEMENTS PROGRAM

INIS: Apr 2000; ETDE: Jun 1977
(Government program under which refiners with unusually large amounts of old (cheaper) crude pay premium to refine it; premium is paid to firms that have primarily higher-cost crude.)
UF *domestic crude oil entitlements program*
RT allocations
RT petroleum refineries
RT prices

entombment (radioactive materials)

Use containment

entomology

Use insects

ENTRAINMENT

RT babcock and wilcox-dupont process
RT ce entrained fuel process
RT combined-cycle fw process
RT dow gasification process
RT extraction apparatuses
RT impingement
RT solvent extraction

entrainment separators

Use mist extractors

ENTROPY

*BT1 thermodynamic properties
RT energy quality
RT enthalpy
RT formation free enthalpy
RT h theorem
RT isentropic processes
RT thermodynamics

ENTRY CONTROL SYSTEMS

INIS: Jul 1986; ETDE: Jul 1982
(Systems for controlling access to areas of a facility.)
UF *access denial systems*
BT1 control systems
RT human intrusion
RT identification systems
RT physical protection
RT physical protection devices
RT security

entwickelter fortschrittlicher druckwasser reaktor

Use efdr-50 reactor

envelope houses

Use double envelope buildings

ENVIRONMENT

RT accidents
RT biological adaptation
RT biosphere
RT clean air acts
RT clean water acts
RT contamination
RT controlled atmospheres
RT earth atmosphere
RT ecosystems
RT environmental effects
RT environmental exposure pathway
RT environmental impact statements
RT environmental impacts
RT environmental policy
RT environmental transport
RT fallout deposits
RT habitat
RT hydrosphere
RT land use
RT nature reserves
RT pollution
RT preventive medicine
RT radiation protection
RT radionuclide migration
RT reactor sites
RT recreational areas
RT regional analysis
RT site selection
RT thermal comfort
RT us national environmental policy act
RT water use
RT wilderness protection acts

environmental concentration

Use ecological concentration

ENVIRONMENTAL EFFECTS
INIS: Dec 1982; ETDE: Apr 1975
(Actual effects on the environment.)
- *RT* environment
- *RT* environmental impact statements
- *RT* environmental impacts
- *RT* environmental policy
- *RT* land pollution
- *RT* thermal pollution
- *RT* water pollution

ENVIRONMENTAL ENGINEERING
- BT1 engineering
- *RT* aesthetics
- *RT* air conditioning
- *RT* pollution control equipment
- *RT* remedial action

ENVIRONMENTAL EXPOSURE
INIS: Feb 1992; ETDE: Sep 1984
- *RT* acute exposure
- *RT* air pollution
- *RT* carcinogens
- *RT* chronic exposure
- *RT* hazardous materials
- *RT* ionizing radiations
- *RT* land pollution
- *RT* mutagens
- *RT* water pollution

environmental exposure chambers
- Use exposure chambers

ENVIRONMENTAL EXPOSURE PATHWAY
INIS: Jan 2000; ETDE: Oct 1975
- *RT* biointrusion
- *RT* biological availability
- *RT* biological models
- *RT* ecosystems
- *RT* environment
- *RT* food chains
- *RT* radioactive waste disposal
- *RT* radionuclide migration

ENVIRONMENTAL IMPACT STATEMENTS
(Use only for items about Environmental Impact Statements,not for documents which are such statements.)
- BT1 document types
- *RT* environment
- *RT* environmental effects
- *RT* environmental impacts
- *RT* us national environmental policy act

ENVIRONMENTAL IMPACTS
INIS: Jul 1977; ETDE: Jan 1977
(Possible or anticipated effects on the environment from a proposed project.)
- *RT* aesthetics
- *RT* environment
- *RT* environmental effects
- *RT* environmental impact statements
- *RT* environmental policy
- *RT* kyoto protocol
- *RT* life cycle assessment
- *RT* nuclear winter
- *RT* rio declaration

ENVIRONMENTAL MATERIALS
INIS: Dec 1980; ETDE: Jan 1978
(Use only for unspecified samples from the environment.)
- UF *materials (environmental)*
- BT1 materials
- *RT* air
- *RT* atmospheric precipitations
- *RT* biological materials
- *RT* detritus
- *RT* minerals
- *RT* ores
- *RT* rocks
- *RT* sediments
- *RT* soils
- *RT* water

ENVIRONMENTAL MEASUREMENTS LABORATORY
INIS: Jul 1992; ETDE: Jul 1984
(New York, USA)
- SF *eml*
- *BT1 us doe

environmental parks
- Use nature reserves

ENVIRONMENTAL POLICY
INIS: Feb 1981; ETDE: Feb 1978
- SF *policy*
- BT1 government policies
- **NT1** emissions trading
- **NT1** water policy
- *RT* clean air acts
- *RT* clean water acts
- *RT* economics
- *RT* emissions tax
- *RT* environment
- *RT* environmental effects
- *RT* environmental impacts
- *RT* kyoto protocol
- *RT* life cycle assessment
- *RT* planning
- *RT* rio declaration
- *RT* sustainable development
- *RT* us national environmental policy act
- *RT* us superfund

environmental protection agency
- Use us epa

ENVIRONMENTAL QUALITY
INIS: Aug 1991; ETDE: Sep 1979
- **NT1** air quality
- **NT1** water quality

environmental temperature
- Use ambient temperature

ENVIRONMENTAL TRANSPORT
INIS: Dec 1982; ETDE: Nov 1976
(For movement of chemicals, nuclides, etc., in the environment; not for goods and persons.)
- SF *transport (environmental)*
- BT1 mass transfer
- **NT1** long-range transport
- **NT1** radionuclide migration
- **NT1** runoff
- *RT* air-biosphere interactions
- *RT* air-water interactions
- *RT* downwelling
- *RT* ecological concentration
- *RT* environment
- *RT* leachates
- *RT* radioecological concentration
- *RT* sinks
- *RT* transfrontier contamination

ENZYMATIC HYDROLYSIS
INIS: Apr 1992; ETDE: Mar 1976
- UF+ *cellulolytic activity*
- *BT1 hydrolysis
- *RT* acid hydrolysis
- *RT* alkaline hydrolysis
- *RT* biodegradation
- *RT* cellulase
- *RT* clostridium thermocellum
- *RT* enzymes
- *RT* hydrolases
- *RT* thermoactinomyces

ENZYME ACTIVITY
- *RT* activity levels
- *RT* biochemical reaction kinetics
- *RT* catalysis
- *RT* chemical reaction kinetics
- *RT* enzymes
- *RT* metabolic activation
- *RT* metabolism
- *RT* structure-activity relationships

ENZYME IMMUNOASSAY
INIS: Jan 1985; ETDE: Feb 1985
- UF *elisa*
- *BT1 immunoassay
- *RT* antibodies
- *RT* antigen-antibody reactions
- *RT* antigens
- *RT* cpb
- *RT* enzymes

ENZYME INDUCTION
INIS: Mar 1992; ETDE: Nov 1985
(The process by which a cell accelerates the production of a specific protein or enzyme in response to environmental changes.)
- BT1 gene regulation
- *RT* biosynthesis
- *RT* enzymes
- *RT* gene repressors

ENZYME INHIBITORS
INIS: Aug 1978; ETDE: Mar 1976
(Substances capable of stopping or retarding the action of an enzyme. They usually interact with the enzyme to reduce the rate of reaction.)
- UF *inhibitors (enzyme)*
- *RT* enzymes
- *RT* inhibition

ENZYME REACTIVATION
INIS: Aug 1993; ETDE: Nov 1976
- *RT* chemical activation
- *RT* enzymes

ENZYMES
(The enzyme code numbers from enzyme nomenclature: Recommendations (1972) of the International Union of Pure and Applied Chemistry and the International Union of Biochemistryare given in scope notes for the individual enzymes.)
- UF+ *pre*
- *BT1 proteins
- **NT1** dna helicases
- **NT1** gene recombination proteins
- **NT1** hydrolases
  - **NT2** acid anhydrases
    - **NT3** gtp-ases
    - **NT3** phosphohydrolases
      - **NT4** atp-ase
  - **NT2** esterases
    - **NT3** carboxylesterases
      - **NT4** cholinesterase
      - **NT4** lipases
    - **NT3** phosphatases
      - **NT4** acid phosphatase
      - **NT4** alkaline phosphatase
      - **NT4** nucleotidases
    - **NT3** phosphodiesterases
      - **NT4** nucleases
        - **NT5** dna-ase
          - **NT6** endonucleases
        - **NT5** rna-ase
  - **NT2** glycosyl hydrolases
    - **NT3** o-glycosyl hydrolases

NT4 amylase
NT4 cellulase
NT4 galactosidase
NT4 glucosidase
NT4 glucuronidase
NT4 hyaluronidase
NT4 lysozyme
NT4 xylanase
NT2 non-peptide c-n hydrolases
NT3 amidases
NT4 arginase
NT4 urease
NT3 amidinases
NT2 peptide hydrolases
NT3 acid proteinases
NT4 pepsin
NT3 aminopeptidases
NT3 carboxypeptidases
NT3 nonspecific peptidases
NT4 renin
NT4 urokinase
NT3 serine proteinases
NT4 chymotrypsin
NT4 fibrinolysin
NT4 kallikrein
NT4 thrombin
NT4 trypsin
NT3 sh-proteinases
NT4 cathepsins
NT4 papain
NT4 streptococcal proteinase
NT1 isomerases
NT1 ligases
NT1 lyases
NT2 carbon-carbon lyases
NT3 aldehyde-lyases
NT3 aldolases
NT3 carboxy-lyases
NT4 carboxylase
NT4 decarboxylases
NT4 ribulose diphosphate carboxylase
NT2 carbon-oxygen lyases
NT3 hyaluronidase
NT3 hydro-lyases
NT4 carbonic anhydrase
NT2 cyclases
NT2 dna methylases
NT1 oxidoreductases
NT2 amine oxidases
NT2 aryl 4-monooxygenase
NT2 diaphorase
NT2 hemiacetal dehydrogenases
NT3 alcohol dehydrogenase
NT3 lactate dehydrogenase
NT2 hydrogenases
NT2 hydroxylases
NT3 tyrosinase
NT2 nitro-group dehydrogenases
NT3 nitrogenase
NT2 oxidases
NT3 cytochrome oxidase
NT3 luciferase
NT2 oxygenases
NT3 mixed-function oxidases
NT2 peroxidases
NT3 catalase
NT2 superoxide dismutase
NT1 transferases
NT2 carbon-group transferases
NT3 methyl transferases
NT2 glycosyl transferases
NT3 hexosyl transferases
NT3 pentosyl transferases
NT4 hypoxanthine phosphoribosyltransferase
NT2 nitrogen transferases
NT3 aminotransferases
NT2 phosphorus-group transferases
NT3 nucleotidyltransferases
NT4 polymerases
NT5 dna polymerases
NT5 rna polymerases
NT3 phosphotransferases
NT4 hexokinase
RT autolysis
RT biochemical reaction kinetics
RT biochemistry
RT biosynthesis
RT catalysis
RT coenzymes
RT digestion
RT enzymatic hydrolysis
RT enzyme activity
RT enzyme immunoassay
RT enzyme induction
RT enzyme inhibitors
RT enzyme reactivation
RT glycolysis
RT immobilized enzymes
RT isoenzymes
RT metabolism
RT radioenzymatic assay
RT receptors
RT substrates

EOCENE EPOCH
INIS: Apr 1992; ETDE: Oct 1977
*BT1 tertiary period
RT geologic history

EOCR REACTOR
(Idaho National Engineering Lab., Idaho Falls, Idaho, USA)
UF *experimental organic cooled reactor*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 organic cooled reactors
*BT1 organic moderated reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors

EOLE REACTOR
(CEA/CEN, Cadarache, St. Paul Lez Durance, France)
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 research reactors
*BT1 tank type reactors
RT enriched uranium reactors
RT natural uranium reactors

eor
See enhanced recovery

EOSIN
BT1 dyes
*BT1 hydroxy acids
BT1 indicators
*BT1 organic bromine compounds
RT phthalic acid

EOSINOPHILS
*BT1 leukocytes

epa
Use us epa

epca
Use us energy policy and conservation act

epdm
Use ethylene propylene diene polymers

EPEC REACTOR
*BT1 power reactors

EPHEDRINE
*BT1 alkaloids
*BT1 amines
*BT1 hydroxy compounds
*BT1 sympathomimetics
*BT1 vasoconstrictors

EPHEMEROPTERA
INIS: Jul 1993; ETDE: Feb 1984
UF *mayflies*
*BT1 insects
RT aquatic organisms

EPIC STORAGE RING
(Electron-positron(proton) intersecting complex.)
*BT1 pep storage rings

EPICENTERS
INIS: Jan 1985; ETDE: Oct 1978
(The parts of the earth's surface directly above the foci of earthquakes.)
RT earthquakes

EPIDEMIOLOGY
RT a-bomb survivors
RT aids
RT disease incidence
RT disease resistance
RT diseases
RT human populations
RT infectious diseases
RT preventive medicine

EPIDERMIS
*BT1 epithelium
*BT1 skin

EPIDOTES
INIS: Apr 2000; ETDE: Feb 1975
(A mineral commonly found in metamorphic rock.)
*BT1 silicate minerals
RT aluminium silicates
RT calcium silicates
RT iron silicates

EPILATION
BT1 pathological changes
RT hair
RT skin

EPILEPSY
INIS: Jul 1980; ETDE: Jul 1976
*BT1 nervous system diseases

epinephrine
Use adrenaline

epiphysis (bones)
Use bone tissues

epiphysis (pineal gland)
Use pineal gland

EPITAXY
BT1 crystal growth methods
NT1 liquid phase epitaxy
NT1 molecular beam epitaxy
NT1 vapor phase epitaxy
RT crystal growth
RT crystallization

EPITHELIOMAS
SF *skin cancer*
*BT1 carcinomas
NT1 melanomas
RT epithelium

EPITHELIUM
*BT1 animal tissues

NT1 epidermis
RT carcinomas
RT conjunctiva
RT crypt cells
RT endothelium
RT epitheliomas
RT hair follicles
RT mucous membranes

EPITHERMAL NEUTRONS

*BT1 neutrons
RT epithermal reactors

EPITHERMAL REACTORS

BT1 reactors
NT1 fast reactors
NT2 actinide burner reactors
NT2 afsr reactor
NT2 aprf reactor
NT2 bfs reactor
NT2 bigr reactor
NT2 bir reactor
NT2 cefr reactor
NT2 cfrmf reactor
NT2 clementine reactor
NT2 coral-1 reactor
NT2 ecel reactor
NT2 fbr type reactors
NT3 aipfr reactor
NT3 gcfr type reactors
NT4 gcfr reactor
NT3 lmfbr type reactors
NT4 beloyarsk-3 reactor
NT4 beloyarsk-4 reactor
NT4 bn-1600 reactor
NT4 bn-350 reactor
NT4 bn-800 reactor
NT4 bor-60 reactor
NT4 cdfr reactor
NT4 clinch river breeder reactor
NT4 dfr reactor
NT4 ebr-1 reactor
NT4 ebr-2 reactor
NT4 enrico fermi-1 reactor
NT4 joyo reactor
NT4 kalpakkam lmfbr reactor
NT4 monju reactor
NT4 pfr reactor
NT4 phenix reactor
NT4 plbr reactor
NT4 rapsodie reactor
NT4 sbr-1 reactor
NT4 sbr-2 reactor
NT4 sbr-5 reactor
NT4 snr reactor
NT4 snr-2 reactor
NT4 super phenix reactor
NT3 pec brasimone reactor
NT3 zebra reactor
NT2 fbrf reactor
NT2 fca reactor
NT2 fftf reactor
NT2 fr-0 reactor
NT2 harmonie reactor
NT2 hprr reactor
NT2 ibr-2 reactor
NT2 ibr-30 reactor
NT2 ifr reactor
NT2 kalpakkam pfr reactor
NT2 kbr-1 reactor
NT2 knk-2 reactor
NT2 lampre-1 reactor
NT2 masurca reactor
NT2 purnima reactor
NT2 purnima-2 reactor
NT2 saref reactor
NT2 sefor reactor
NT2 sneak reactor
NT2 sora reactor
NT2 stf reactor
NT2 tapiro reactor
NT2 tibr reactor
NT2 vera reactor
NT2 viper reactor
NT2 wntr reactor
NT2 yayoi reactor
NT2 zephyr reactor
NT2 zppr reactor
NT2 zpr-3 reactor
NT2 zpr-6 reactor
NT2 zpr-9 reactor
NT2 zrr reactor
NT1 intermediate reactors
NT2 thor reactor
RT epithermal neutrons

EPOXIDES

UF *epoxy compounds*
UF *oxirans*
UF+ *poly(isobutylene oxide)*
*BT1 organic oxygen compounds
NT1 araldite
RT heterocyclic compounds
RT potting materials
RT resins

epoxy compounds

Use epoxides

epr

Use electron spin resonance

EPR SPECTROMETERS

*BT1 spectrometers

EPRI

INIS: Dec 1982; ETDE: Jan 1977
(Organization founded by US utilities to develop and carryout broad, coordinated technology program for improving electric power.)
UF *electric power research institute*
RT electric power
RT electric power industry

epsilon resonances

Use mesons

epstein-barr virus

Use oncogenic viruses

EQUATIONS

(Prior to July 1996 MASSEY-MOHR EQUATION was a valid ETDE descriptor.)
UF *massey-mohr equation*
NT1 abfst equation
NT1 arrhenius equation
NT1 bethe-goldstone equation
NT1 bethe-salpeter equation
NT1 bloch equations
NT1 born-mayer equation
NT1 differential equations
NT2 bbgky equation
NT2 chapman-kolmogorov equation
NT2 dirac-hestenes equation
NT2 hill equation
NT2 joos-weinberg equation
NT2 mathieu equation
NT2 partial differential equations
NT3 boltzmann equation
NT3 boltzmann-vlasov equation
NT4 plasma fluid equations
NT3 continuity equations
NT3 diffusion equations
NT4 neutron diffusion equation
NT3 equations of motion
NT3 fokker-planck equation
NT3 fourier heat equation
NT3 grad-shafranov equation
NT3 hamilton-jacobi equations
NT3 korteweg-de vries equation
NT3 lagrange equations
NT3 laplace equation
NT3 maxwell equations
NT3 navier-stokes equations
NT3 poisson equation
NT3 proca equations
NT3 wave equations
NT4 dirac equation
NT4 klein-gordon equation
NT4 schroedinger equation
NT2 riccati equation
NT2 schwinger functional equations
NT2 sturm-liouville equation
NT1 equations of state
NT1 faddeev equations
NT1 field equations
NT2 dirac equation
NT2 einstein field equations
NT2 einstein-maxwell equations
NT2 klein-gordon equation
NT2 sine-gordon equation
NT1 gribov-lipatov relation
NT1 inhour equation
NT1 integral equations
NT2 blankenbecler-sugar equations
NT2 fredholm equation
NT2 lippmann-schwinger equation
NT2 quasipotential equation
NT2 volterra integral equations
NT1 integro-differential equations
NT2 boltzmann equation
NT1 kinetic equations
NT2 boltzmann equation
NT1 langevin equation
NT1 london equation
NT1 low equation
NT1 percus-yevick equation
NT1 prediction equations
NT1 rankine-hugoniot equations
NT1 reactor kinetics equations
NT2 response matrix method
NT1 richardson equation
NT1 rydberg equation
NT1 saha equation
NT1 secular equation
NT1 sum rules
NT1 virial equation
NT1 weil equation
NT1 wilkins equation
RT functions
RT galerkin-petrov method
RT mathematical solutions
RT mathematics
RT series expansion

equations (differential)

Use differential equations

EQUATIONS OF MOTION

*BT1 partial differential equations
RT anharmonic oscillators
RT canonical transformations
RT hamilton-jacobi equations
RT hamiltonian function
RT harmonic oscillators
RT lagrangian function
RT limit cycle
RT mechanics
RT navier-stokes equations
RT particle kinematics

EQUATIONS OF STATE

BT1 equations
RT thermodynamics
RT virial equation

EQUATOR

RT geomagnetic equator
RT latitude effect

equatorial electrojets
Use electrojets

EQUILIBRIUM
NT1 lte
NT1 mhd equilibrium
NT1 thermal equilibrium
RT chemical reactions
RT dynamic function studies
RT partition
RT population dynamics
RT reaction kinetics
RT stability
RT steady-state conditions
RT thermodynamic activity

EQUILIBRIUM PLASMA
BT1 plasma
RT magnetic surfaces
RT non-equilibrium plasma

EQUIPMENT
INIS: Dec 1982; ETDE: Jan 1975
(Use of a more specific term is strongly recommended.)
UF *apparatus*
UF *devices*
NT1 appliances
NT2 clothes dryers
NT2 clothes washers
NT2 coal burning appliances
NT2 dishwashers
NT2 electric appliances
NT3 microwave ovens
NT2 freezers
NT2 gas appliances
NT2 ovens
NT3 microwave ovens
NT2 space heaters
NT2 stoves
NT2 water heaters
NT3 solar water heaters
NT4 passive solar water heaters
NT5 thermic diode solar panels
NT2 wood burning appliances
NT3 wood burning furnaces
NT1 capacitive energy storage equipment
NT1 compactors
NT1 compressed air energy storage equipment
NT1 control equipment
NT2 electric controllers
NT2 flow regulators
NT3 baffles
NT3 valves
NT4 relief valves
NT4 water faucets
NT2 fluidic control devices
NT2 humidistats
NT2 hydraulic control devices
NT2 pneumatic controllers
NT2 pressure regulators
NT2 servomechanisms
NT2 speed regulators
NT2 thermostats
NT3 cryostats
NT1 dissolvers
NT1 distillation equipment
NT2 retorts
NT1 drilling equipment
NT2 blowout preventers
NT2 drill bits
NT2 drill pipes
NT2 drilling rigs
NT2 drills
NT3 jet drills
NT3 percussive drills
NT3 rotary drills
NT4 turbodrills
NT3 spark drills
NT3 subterrene penetrators
NT1 electrical equipment
NT2 antennas
NT3 radio telescopes
NT3 rectennas
NT2 armatures
NT2 battery chargers
NT3 solar battery chargers
NT2 capacitors
NT2 circuit breakers
NT2 conductor devices
NT3 connectors
NT3 electric cables
NT4 coaxial cables
NT4 cryogenic cables
NT4 gas-insulated cables
NT4 oil-filled cables
NT4 superconducting cables
NT3 electric fuses
NT2 current limiters
NT2 dc to dc converters
NT2 electric bridges
NT2 electric coils
NT3 magnet coils
NT4 pulsed magnet coils
NT3 rogowski coil
NT3 solenoids
NT3 superconducting coils
NT2 electric contacts
NT2 electric generators
NT3 alternators
NT3 flux pumps
NT3 homopolar generators
NT3 induction generators
NT3 rotating generators
NT4 superconducting generators
NT3 turbogenerators
NT3 water current power generators
NT2 electric measuring instruments
NT3 ammeters
NT3 electrometers
NT3 electroscopes
NT3 galvanometers
NT3 potentiometers
NT3 power meters
NT3 voltmeters
NT2 electric motors
NT3 superconducting motors
NT2 electrical insulators
NT2 electromagnets
NT3 superconducting magnets
NT2 inverters
NT2 lightning arresters
NT2 potheads
NT2 rectifiers
NT3 rectifier tubes
NT4 ignitrons
NT3 semiconductor rectifiers
NT2 relays
NT2 resistors
NT3 photoresistors
NT3 semiconductor resistors
NT2 shunt reactors
NT2 switches
NT3 cryotrons
NT3 plasma switches
NT3 semiconductor switches
NT2 transformers
NT3 gas-insulated transformers
NT1 electronic equipment
NT2 amplifiers
NT3 ac amplifiers
NT3 dc amplifiers
NT3 dielectric amplifiers
NT3 high frequency amplifiers
NT3 lock-in amplifiers
NT3 magnetic amplifiers
NT3 microwave amplifiers
NT4 masers
NT3 operational amplifiers
NT3 parametric amplifiers
NT3 power amplifiers
NT3 preamplifiers
NT3 pulse amplifiers
NT3 transistor amplifiers
NT2 analog-to-digital converters
NT2 counting ratemeters
NT3 linear ratemeters
NT3 logarithmic ratemeters
NT2 digital-to-analog converters
NT2 function generators
NT3 pulse generators
NT4 high-voltage pulse generators
NT5 marx generators
NT2 microwave equipment
NT3 heterodyne receivers
NT3 microwave amplifiers
NT4 masers
NT3 microwave dryers
NT3 microwave tubes
NT4 backward wave tubes
NT4 klystrons
NT4 lasertrons
NT4 magnetrons
NT4 travelling wave tubes
NT3 squid devices
NT2 multiplexers
NT2 oscillators
NT3 blocking oscillators
NT3 parametric oscillators
NT3 transistor oscillators
NT2 oscillographs
NT2 power supplies
NT3 marx generators
NT3 photovoltaic power supplies
NT3 radio equipment power supplies
NT3 spacecraft power supplies
NT2 pulse analyzers
NT3 multi-channel analyzers
NT2 pulse converters
NT3 current-to-frequency converters
NT3 time-to-amplitude converters
NT2 pulse integrators
NT2 radio equipment
NT3 heterodyne receivers
NT3 ionosondes
NT3 radio telescopes
NT2 resonators
NT3 cavity resonators
NT4 superconducting cavity resonators
NT2 scalers
NT2 speech synthesizers
NT1 farm equipment
NT1 field production equipment
NT2 well injection equipment
NT2 well recovery equipment
NT2 wellheads
NT1 harvesting equipment
NT1 heat recovery equipment
NT1 hydraulic equipment
NT2 hydraulic control devices
NT1 laboratory equipment
NT2 dna sequencers
NT2 fume hoods
NT2 gloveboxes
NT2 hot cells
NT2 manipulators
NT2 vacuum pumps
NT3 cryopumps
NT3 sputter-ion pumps
NT3 turbomolecular pumps
NT1 machinery
NT2 pulverizers
NT2 refrigerating machinery
NT2 turbomachinery
NT3 turbines

NT4 gas turbines
NT5 coal-fired gas turbines
NT4 hydraulic turbines
NT5 pump turbines
NT4 radial inflow turbines
NT4 radial-outflow reaction turbines
NT4 rotary separator turbines
NT4 steam turbines
NT4 wind turbines
NT5 diffuser augmented turbines
NT5 horizontal axis turbines
NT5 vertical axis turbines
NT6 giromill turbines
NT6 tornado turbines
NT5 vortex augmented turbines
NT3 turbochargers
NT3 turbodrills
NT3 turbofan engines
NT3 turbogenerators
NT3 turbojet engines
NT2 winding machines
NT1 magnetic energy storage equipment
NT1 magnets
NT2 beam bending magnets
NT2 beam focusing magnets
NT2 electromagnets
NT3 superconducting magnets
NT2 kicker magnets
NT2 permanent magnets
NT2 septum magnets
NT2 wiggler magnets
NT1 materials handling equipment
NT2 earthmoving equipment
NT3 bucket wheel excavators
NT3 draglines
NT2 grabs
NT2 haulage equipment
NT3 conveyors
NT4 belt conveyors
NT4 chain conveyors
NT3 loaders
NT4 cutter loaders
NT5 coal plows
NT5 continuous miners
NT5 heading machines
NT5 shearer loaders
NT3 mine cars
NT2 hoists
NT2 mixers
NT2 remote handling equipment
NT3 cranes
NT3 manipulators
NT2 shredders
NT2 winches
NT1 military equipment
NT1 mining equipment
NT2 bucket wheel excavators
NT2 cutting machines
NT3 cutter loaders
NT4 coal plows
NT4 continuous miners
NT4 heading machines
NT4 shearer loaders
NT2 roof bolts
NT1 odorant dispensers
NT1 optical equipment
NT1 particle size classifiers
NT1 pollution control equipment
NT2 acoustic agglomerators
NT2 afterburners
NT2 air filters
NT2 baghouses
NT2 catalytic converters
NT2 electrostatic precipitators
NT2 exhaust recirculation systems
NT2 oil retention booms
NT2 pcv systems
NT2 rotating disk removal systems
NT2 scrubbers
NT3 dry scrubbers
NT2 skimmers
NT2 weir oil recovery systems
NT1 portable equipment
NT1 pumps
NT2 centrifugal pumps
NT2 electromagnetic pumps
NT2 rod pumps
NT2 vacuum pumps
NT3 cryopumps
NT3 sputter-ion pumps
NT3 turbomolecular pumps
NT2 water pumps
NT3 solar water pumps
NT2 wind-powered pumps
NT1 remote viewing equipment
NT1 robots
NT1 samplers
NT2 air samplers
NT1 scrapers
NT1 separation equipment
NT2 extraction apparatuses
NT3 extraction columns
NT3 mist extractors
NT3 mixer-settlers
NT3 podbielniak contactors
NT2 inertial separators
NT3 cyclone separators
NT2 isotope separators
NT2 vapor separators
NT3 steam separators
NT1 solar equipment
NT2 heliostats
NT3 solar tracking systems
NT2 photovoltaic power supplies
NT2 pyranometers
NT2 pyrheliometers
NT2 solar absorbers
NT2 solar battery chargers
NT2 solar cell arrays
NT3 solar tracking systems
NT2 solar cells
NT3 aluminium arsenide solar cells
NT3 back contact solar cells
NT3 cadmium arsenide solar cells
NT3 cadmium selenide solar cells
NT3 cadmium sulfide solar cells
NT3 cadmium telluride solar cells
NT3 cascade solar cells
NT3 concentrator solar cells
NT3 copper oxide solar cells
NT3 copper selenide solar cells
NT3 copper sulfide solar cells
NT3 gallium arsenide solar cells
NT3 gallium phosphide solar cells
NT3 indium phosphide solar cells
NT3 indium selenide solar cells
NT3 mi solar cells
NT3 mis solar cells
NT3 mos solar cells
NT3 ms solar cells
NT3 organic solar cells
NT3 pis solar cells
NT3 ps solar cells
NT3 schottky barrier solar cells
NT3 selenium solar cells
NT3 silicon arsenide solar cells
NT3 silicon solar cells
NT4 soc solar cells
NT3 zinc phosphide solar cells
NT3 zinc sulfide solar cells
NT2 solar collectors
NT3 combined collectors
NT3 concentrating collectors
NT4 fixed mirror collectors
NT4 parabolic collectors
NT5 parabolic dish collectors
NT5 parabolic trough collectors
NT4 slat type collectors
NT4 tower focus collectors
NT4 v trough collectors
NT3 evacuated collectors
NT4 evacuated tube collectors
NT3 flat plate collectors
NT4 trickle-type collectors
NT3 inflatable collectors
NT3 solar air heaters
NT3 solar ponds
NT4 roof ponds
NT3 solar tracking systems
NT3 unglazed solar collectors
NT2 solar concentrators
NT3 cassegrainian concentrators
NT3 compound parabolic concentrators
NT3 luminescent concentrators
NT3 solar reflectors
NT4 fresnel reflectors
NT4 orbital solar reflectors
NT4 parabolic reflectors
NT5 parabolic dish reflectors
NT5 parabolic trough reflectors
NT2 solar cookers
NT2 solar cooling systems
NT3 passive solar cooling systems
NT4 bead walls
NT4 drum walls
NT4 roof ponds
NT3 solar air conditioners
NT4 solar-assisted heat pumps
NT3 solar refrigerators
NT2 solar dryers
NT2 solar furnaces
NT2 solar heating systems
NT3 passive solar heating systems
NT4 bead walls
NT4 direct gain systems
NT4 drum walls
NT4 roof ponds
NT4 thermic diode solar panels
NT4 trombe walls
NT4 water walls
NT3 solar-assisted heat pumps
NT2 solar kilns
NT2 solar regenerators
NT2 solar simulators
NT2 solar stills
NT2 solar water heaters
NT3 passive solar water heaters
NT4 thermic diode solar panels
NT2 solar water pumps
NT2 spectrally selective surfaces
NT1 thermal energy storage equipment
NT1 tools
NT2 cutting tools
NT2 drill bits
NT2 machine tools
NT3 grinding machines
NT3 lathes
NT3 milling machines
NT1 tunneling machines
NT1 well casings
NT1 well logging equipment
NT1 x-ray equipment
NT2 x-ray tubes
RT equipment interfaces
RT human factors engineering
RT office furniture
RT warranties

EQUIPMENT INTERFACES

UF *interfaces (equipment)*
RT camac system
RT computer architecture
RT computers
RT data transmission
RT electronic equipment
RT equipment

RT fastbus system

EQUIPMENT PROTECTION DEVICES
NT1 circuit breakers
NT1 electric fuses
RT cryostats
RT reactor protection systems
RT relays
RT switches

EQUIVALENCE PRINCIPLE
RT general relativity theory
RT gravitational fields
RT mass

EQUIVALENT CIRCUITS
BT1 electronic circuits

EQUIVALENT FISSION FLUENCE
INIS: May 1976; ETDE: Mar 1978
*BT1 damaging neutron fluence
RT irradiation
RT neutronic damage functions
RT physical radiation effects

EQUIVALENT-PHOTON APPROXIMATION
UF *approximation (equivalent-photon)*
UF *approximation (williams-weizsaecker)*
UF *williams-weizsacker approximation*
RT photon-photon interactions
RT quantum electrodynamics

ERBIUM
*BT1 rare earths

ERBIUM 145
INIS: Jul 1989; ETDE: Jul 1989
*BT1 beta-plus decay radioisotopes
BT1 erbium isotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei

ERBIUM 146
INIS: Sep 1992; ETDE: Sep 1984
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 erbium isotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

ERBIUM 147
INIS: Sep 1983; ETDE: Aug 1983
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 erbium isotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

ERBIUM 148
INIS: Sep 1981; ETDE: Sep 1981
*BT1 beta-plus decay radioisotopes
BT1 erbium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

ERBIUM 149
INIS: Oct 1984; ETDE: May 1984
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 erbium isotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

ERBIUM 150
INIS: Jan 1977; ETDE: Nov 1976
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 erbium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

ERBIUM 151
INIS: Jan 1977; ETDE: Jan 1975
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 erbium isotopes
*BT1 even-odd nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

ERBIUM 152
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 erbium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

ERBIUM 153
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 erbium isotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

ERBIUM 154
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 erbium isotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

ERBIUM 155
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 erbium isotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

ERBIUM 156
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 erbium isotopes
*BT1 even-even nuclei
*BT1 internal conversion radioisotopes
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

ERBIUM 157
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 erbium isotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

ERBIUM 158
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 erbium isotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 rare earth nuclei

ERBIUM 159
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 erbium isotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

ERBIUM 160
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
BT1 erbium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei

ERBIUM 161
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 erbium isotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 rare earth nuclei

ERBIUM 162
BT1 erbium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

ERBIUM 162 TARGET
BT1 targets

ERBIUM 163
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 erbium isotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 rare earth nuclei

ERBIUM 163 TARGET
INIS: Feb 1979; ETDE: Mar 1979
BT1 targets

ERBIUM 164
BT1 erbium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

ERBIUM 164 TARGET
BT1 targets

ERBIUM 165
*BT1 electron capture radioisotopes
BT1 erbium isotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 rare earth nuclei

ERBIUM 165 TARGET
INIS: Feb 1979; ETDE: Mar 1979
BT1 targets

ERBIUM 166
BT1 erbium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

ERBIUM 166 REACTIONS
INIS: Nov 1985; ETDE: Dec 1985
*BT1 heavy ion reactions

ERBIUM 166 TARGET
BT1 targets

ERBIUM 167
BT1 erbium isotopes
*BT1 even-odd nuclei
*BT1 isomeric transition isotopes

*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
*BT1 stable isotopes

ERBIUM 167 TARGET
BT1 targets

ERBIUM 168
BT1 erbium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

ERBIUM 168 TARGET
BT1 targets

ERBIUM 169
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
BT1 erbium isotopes
*BT1 even-odd nuclei
*BT1 internal conversion radioisotopes
*BT1 rare earth nuclei

ERBIUM 170
BT1 erbium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

ERBIUM 170 TARGET
BT1 targets

ERBIUM 171
*BT1 beta-minus decay radioisotopes
BT1 erbium isotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 rare earth nuclei

ERBIUM 172
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
BT1 erbium isotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei

ERBIUM 173
*BT1 beta-minus decay radioisotopes
BT1 erbium isotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

ERBIUM 174
INIS: Apr 1989; ETDE: May 1989
*BT1 beta-minus decay radioisotopes
BT1 erbium isotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

ERBIUM 175
*BT1 beta-minus decay radioisotopes
BT1 erbium isotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei

ERBIUM ADDITIONS
(Alloys containing not more than 1% Er are listed here.)
*BT1 erbium alloys
*BT1 rare earth additions

ERBIUM ALLOYS
(Alloys containing more than 1% Er.)
*BT1 rare earth alloys
NT1 erbium additions
NT1 erbium base alloys

ERBIUM BASE ALLOYS
*BT1 erbium alloys

ERBIUM BORIDES
*BT1 borides
*BT1 erbium compounds

ERBIUM BROMIDES
*BT1 bromides
*BT1 erbium compounds

ERBIUM CARBIDES
*BT1 carbides
*BT1 erbium compounds

ERBIUM CARBONATES
*BT1 carbonates
*BT1 erbium compounds

ERBIUM CHLORIDES
*BT1 chlorides
*BT1 erbium compounds

ERBIUM COMPLEXES
*BT1 rare earth complexes

ERBIUM COMPOUNDS
BT1 rare earth compounds
NT1 erbium borides
NT1 erbium bromides
NT1 erbium carbides
NT1 erbium carbonates
NT1 erbium chlorides
NT1 erbium fluorides
NT1 erbium hydrides
NT1 erbium hydroxides
NT1 erbium iodides
NT1 erbium nitrates
NT1 erbium nitrides
NT1 erbium oxides
NT1 erbium perchlorates
NT1 erbium phosphates
NT1 erbium phosphides
NT1 erbium selenides
NT1 erbium silicides
NT1 erbium sulfates
NT1 erbium sulfides
NT1 erbium tellurides
NT1 erbium tungstates

ERBIUM FLUORIDES
*BT1 erbium compounds
*BT1 fluorides

ERBIUM HYDRIDES
*BT1 erbium compounds
*BT1 hydrides

ERBIUM HYDROXIDES
*BT1 erbium compounds
*BT1 hydroxides

ERBIUM IODIDES
*BT1 erbium compounds
*BT1 iodides

ERBIUM IONS
*BT1 ions

ERBIUM ISOTOPES
NT1 erbium 145
NT1 erbium 146
NT1 erbium 147
NT1 erbium 148
NT1 erbium 149
NT1 erbium 150
NT1 erbium 151
NT1 erbium 152
NT1 erbium 153
NT1 erbium 154
NT1 erbium 155
NT1 erbium 156
NT1 erbium 157
NT1 erbium 158
NT1 erbium 159
NT1 erbium 160
NT1 erbium 161
NT1 erbium 162
NT1 erbium 163
NT1 erbium 164
NT1 erbium 165
NT1 erbium 166
NT1 erbium 167
NT1 erbium 168
NT1 erbium 169
NT1 erbium 170
NT1 erbium 171
NT1 erbium 172
NT1 erbium 173
NT1 erbium 174
NT1 erbium 175

ERBIUM NITRATES
*BT1 erbium compounds
*BT1 nitrates

ERBIUM NITRIDES
*BT1 erbium compounds
*BT1 nitrides

ERBIUM OXIDES
*BT1 erbium compounds
*BT1 oxides

ERBIUM PERCHLORATES
INIS: Apr 2000; ETDE: Oct 1975
*BT1 erbium compounds
*BT1 perchlorates

ERBIUM PHOSPHATES
INIS: Jan 1986; ETDE: Mar 1984
*BT1 erbium compounds
*BT1 phosphates

ERBIUM PHOSPHIDES
INIS: Aug 1981; ETDE: Aug 1978
*BT1 erbium compounds
*BT1 phosphides

ERBIUM SELENIDES
INIS: Aug 1978; ETDE: Dec 1977
*BT1 erbium compounds
*BT1 selenides

ERBIUM SILICIDES
INIS: Oct 1975; ETDE: Dec 1975
*BT1 erbium compounds
*BT1 silicides

ERBIUM SULFATES
*BT1 erbium compounds
*BT1 sulfates

ERBIUM SULFIDES
*BT1 erbium compounds
*BT1 sulfides

ERBIUM TELLURIDES
INIS: Sep 1991; ETDE: Nov 1977
*BT1 erbium compounds
*BT1 tellurides

ERBIUM TUNGSTATES
INIS: Feb 1988; ETDE: Feb 1988
*BT1 erbium compounds
*BT1 tungstates

EREVAN SYNCHROTRON
UF *eku*
UF *yerevan synchrotron*
*BT1 synchrotrons

ERGOCALCIFEROL
UF *vitamin d-2*
*BT1 vitamin d

ERGODIC DIVERTORS
INIS: Nov 1995; ETDE: Nov 1995
(Devices based on externally produced ergodicity of the magnetic field configuration in the plasma edge region to divert plasma impurities and fuel ash in magnetic fusion devices.)
BT1 divertors
RT randomness

ERGODIC HYPOTHESIS
BT1 hypothesis
RT phase space
RT probability
RT statistical mechanics

ergonomics
Use human factors engineering

ERGOSTEROL
*BT1 sterols

ERGOTAMINE
*BT1 alkaloids
*BT1 sympatholytics
RT indoles

ericson fluctuations
Use ericson theory

ERICSON THEORY
UF *ericson fluctuations*
RT random phase approximation

ERICSSON CYCLE
Jun 2003
(an ideal thermodynamic cycle consisting of two isobaric processes interspersed with processes which are, in effect, isothermal, but each of which consists of an infinite number of alternatting isentropic and isobaric processes)
BT1 thermodynamic cycles
RT thermodynamics

ERIE-1 REACTOR
INIS: Sep 1977; ETDE: Jun 1977
*BT1 pwr type reactors

ERIE-2 REACTOR
INIS: Sep 1977; ETDE: Jun 1977
*BT1 pwr type reactors

ERIOCHROME DYES
*BT1 azo dyes
*BT1 phenols
*BT1 sulfonic acids

erioglaucine
Use azo dyes
AND indicators
AND sulfonic acids

ERITREA
Jul 2002
BT1 africa
BT1 developing countries

ERMINE REACTOR
*BT1 zero power reactors

ernest orlando lawrence award
Use awards

EROSION
RT ablation
RT abrasion
RT corrosion
RT ground cover
RT soil conservation
RT wear

EROSION CONTROL
INIS: Jul 1992; ETDE: Sep 1985
BT1 control
RT revegetation
RT soil conservation

ERR REACTOR
UF *elk river reactor*
*BT1 bwr type reactors
*BT1 thorium reactors

ERRORS
(For considerations of causes of errors. For data uncertainties use DATA COVARIANCES.)
RT accuracy
RT comparative evaluations
RT corrections
RT data covariances
RT performance
RT quality control
RT reliability
RT resolution
RT sensitivity analysis
RT tolerance

ERUPTION
INIS: Feb 1993; ETDE: Aug 1976
(The ejection of volcanic materials onto the earth's surface.)
RT lava
RT volcanism
RT volcanoes

eruptive binary stars
Use eruptive variable stars

ERUPTIVE VARIABLE STARS
INIS: Nov 1978; ETDE: Dec 1978
(Variable close binary systems, one star of which provides the other with accretion material.)
UF *cataclysmic binary stars*
UF *cataclysmic variable stars*
UF *eruptive binary stars*
*BT1 binary stars
*BT1 variable stars
NT1 novae
NT1 supernovae
NT1 t tauri stars
RT accretion disks
RT star accretion

ERYTHEMA
BT1 symptoms
RT skin
RT skin diseases

ERYTHRITOL
UF *tetrahydroxybutane*
*BT1 alcohols
*BT1 monosaccharides

erythroblasts
Use bone marrow cells

ERYTHROCYTES
*BT1 blood cells
NT1 reticulocytes
RT anemias
RT babesidae
RT blood groups
RT carboxyhemoglobin
RT hemagglutinins
RT hemoglobin
RT hemolysis
RT megaloblastic anemia
RT methemoglobin
RT sickle cell anemia

ERYTHROMYCIN
*BT1 antibiotics

ERYTHROPOIESIS
BT1 blood formation
RT erythropoietin
RT hematopoietic system

ERYTHROPOIETIN
BT1 mitogens
*BT1 peptide hormones
RT erythropoiesis
RT growth factors

ERYTHROSINE
*BT1 fluorescein
*BT1 organic iodine compounds

ERZGEBIRGE DEPOSIT
INIS: Feb 1992; ETDE: Sep 1992
*BT1 uranium deposits
RT federal republic of germany
RT uranium ores

ES COMPUTERS
INIS: Feb 1982; ETDE: Feb 1982
BT1 computers

ESA
INIS: Nov 1980; ETDE: Nov 1980
(Until 1975 known as ESRO, and older material is indexed to ESRO.)
UF *esro*
UF *european space agency*
UF *european space research organization*
BT1 international organizations

ESADA-VESR REACTOR
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

ESARDA
INIS: Sep 1976; ETDE: Nov 1976
(European Safeguards Research and Development Association.)
UF *european safeguard research development association*
BT1 international organizations

esca
Use x-ray photoelectron spectroscopy

ESCAPE PEAKS
BT1 peaks
RT gamma spectra

escar
Use escar storage ring

ESCAR STORAGE RING
INIS: Feb 1976; ETDE: Jan 1977
(Experimental SuperConducting Accelerating Ring at Berkeley)
UF *berkeley escar storage ring*
UF *escar*
BT1 storage rings
*BT1 synchrotrons

ESCHERICHIA COLI
*BT1 bacteria
RT coliforms
RT intestines

escom-1 reactor
Use koeberg-1 reactor

ESCOM REACTOR
UF *electricity supply company reactor*
*BT1 power reactors

escrow accounts
See compliance

ESERINE
UF *physostigmine*
*BT1 alkaloids
*BT1 parasympathomimetics

ESKIMOS
*BT1 human populations
RT arctic regions
RT lapps

ESOPHAGUS
BT1 digestive system
*BT1 organs
RT mediastinum

esr
Use electron spin resonance

ESR STORAGE RING
INIS: Feb 1992; ETDE: Mar 1992
UF *darmstadt storage ring*
BT1 storage rings

esrf
Use european synchrotron radiation facility

esro
Use esa

esrom event
Use anvil project

ESSENTIAL OILS
*BT1 oils
RT buffalo gourd
RT plants
RT vegetable oils

essex i project
Use underground explosions

ESSOR REACTOR
(Joint Research Centre, Ispra, Italy)
UF *orgel reactor*
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 natural uranium reactors
*BT1 organic cooled reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors

ESTERASES
(Code number 3.1.)
*BT1 hydrolases
NT1 carboxylesterases
NT2 cholinesterase
NT2 lipases
NT1 phosphatases
NT2 acid phosphatase
NT2 alkaline phosphatase
NT2 nucleotidases
NT1 phosphodiesterases
NT2 nucleases
NT3 dna-ase
NT4 endonucleases
NT3 rna-ase
RT esters

ESTERIFICATION
BT1 chemical reactions
RT esters

ESTERS
(Includes esters of organic and inorganic acids.)
UF+ *lanolin*
UF+ *wool fat*
BT1 organic compounds
NT1 acetylcholine
NT1 carbonic acid esters
NT1 carboxylic acid esters
NT2 acetic acid esters
NT3 methyl acetate
NT2 acetoacetic acid esters
NT2 acrylic acid esters
NT2 bromosulfophthalein
NT2 carbamic acid esters
NT2 citric acid esters
NT2 glucoheptonate
NT2 malathion
NT2 methacrylic acid esters
NT2 oxalic acid esters
NT2 phenolphthalein
NT2 retinoic acid
NT1 cellulose esters
NT2 nitrocellulose
NT1 isocyanic acid esters
NT1 lactones
NT2 coumarin
NT2 gibberellic acid
NT1 nitric acid esters
NT2 nitrocellulose
NT2 nitroglycerin
NT2 peroxyacetyl nitrate
NT2 petn
NT1 nitrous acid esters
NT1 phorbol esters
NT1 phosphinic acid esters
NT1 phospholipids
NT2 cardiolipin
NT2 lecithins
NT2 sphingomyelins
NT1 phosphonic acid esters
NT2 dampa
NT2 dhdecmp
NT1 phosphoric acid esters
NT2 butyl phosphates
NT3 dbp
NT3 mbp
NT3 tbp
NT2 hdehp
NT2 mdpa
NT2 phytic acid
NT2 tcp
NT1 phthalic acid esters
NT1 polyacrylates
NT2 lucite
NT2 perspex
NT2 plexiglas
NT2 pmma
NT1 polyesters
NT2 dacron
NT2 homalite
NT2 mylar
NT1 sulfonic acid esters
NT2 abs
NT2 ems
NT2 methyl methanesulfonate
NT2 petroleum sulfonates
NT1 sulfuric acid esters
NT1 thiophosphoric acid esters
NT2 cystaphos
NT2 gammaphos
NT2 parathion
NT1 triglycerides
NT2 corn oil
NT2 linseed oil
NT2 olive oil
NT2 peanut oil
NT2 soybean oil
NT2 triolein
RT carboxylic acid salts
RT claisen condensation
RT esterases
RT esterification
RT hydrolysis
RT lipids

esthetics
Use aesthetics

ESTONIA
INIS: Feb 1993; ETDE: Mar 1993
(Until January 1993, this was indexed by USSR.)
SF *soviet union*
SF *union of soviet socialist republics*
SF *ussr*
*BT1 eastern europe

ESTRADIOL
*BT1 estranes
*BT1 estrogens
*BT1 hydroxy compounds

ESTRANES
*BT1 steroids
NT1 estradiol
NT1 estriol
NT1 estrone
RT estrogens

ESTRIOL
*BT1 estranes
*BT1 estrogens
*BT1 hydroxy compounds

ESTROGENS
*BT1 steroid hormones
NT1 estradiol
NT1 estriol
NT1 estrone
RT castration
RT estranes
RT estrous cycle
RT fsh
RT ovaries
RT stilbestrol
RT tamoxifen

ESTRONE
*BT1 estranes
*BT1 estrogens
*BT1 hydroxy compounds
*BT1 ketones

ESTROUS CYCLE
RT estrogens
RT female genitals
RT lh
RT menopause
RT menstrual cycle
RT menstruation disorders
RT ovulation
RT rhythmicity

ESTUARIES
*BT1 coastal waters
NT1 fiords
NT1 long island sound
RT eutrophication
RT fresh water
RT offshore nuclear power plants
RT offshore sites
RT rivers
RT salinity
RT seas
RT seawater

estuarine ecosystems
Use aquatic ecosystems

estuary event
Use anvil project

eta-1060 resonances
Use eta-1295 mesons

eta-1275 mesons
Use eta-1295 mesons

ETA-1295 MESONS
(Until December 1987 this concept was indexed by ETA-1060 RESONANCES; from then until July 1995 it was indexed by ETA-1275 MESONS.)
UF *eta-1060 resonances*
UF *eta-1275 mesons*
*BT1 pseudoscalar mesons

ETA-1440 MESONS
INIS: Jul 1985; ETDE: Jan 1988
(Prior to December 1987 this concept was indexed by IOTA-1440 RESONANCES.)
UF *iota-1440 resonances*
*BT1 pseudoscalar mesons

eta-2980 resonances
Use eta c-2980 mesons

eta-549
Use eta mesons

eta-700 resonances
Use mesons

eta-958 resonances
Use eta prime-958 mesons

ETA C-2980 MESONS
INIS: Jul 1985; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by ETA-2980 RESONANCES.)
UF *eta-2980 resonances*
UF *eta-c resonances*
*BT1 charmonium
*BT1 pseudoscalar mesons

ETA C-3590 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 charmonium

eta-c resonances
Use eta c-2980 mesons

ETA MESON BEAMS
*BT1 meson beams

ETA MESONS
UF *eta-549*
*BT1 pseudoscalar mesons

ETA PRIME-958 MESONS
(Prior to December 1987 this concept was indexed by ETA-958 RESONANCES.)
UF *eta-958 resonances*
UF *x-zero resonances*
*BT1 pseudoscalar mesons

ETCHING
BT1 surface finishing
RT ceramography
RT dielectric track detectors
RT masking
RT metallography
RT particle tracks

ETDE
INIS: Feb 1991; ETDE: Feb 1991
UF *energy technology data exchange*
BT1 information systems
RT international energy agency

etf (tokamak)
Use etf tokamak

ETF TOKAMAK
INIS: Jul 1981; ETDE: Aug 1981
UF *engineering test facility (tokamak)*
UF *etf (tokamak)*
UF *tokamak etf*
*BT1 tokamak devices

ethanal
Use acetaldehyde

ETHANE
*BT1 alkanes
RT ddt

ETHANOL
UF *cologne spirits*
UF *ethyl alcohol*
UF *fermentation alcohol*
UF *grain alcohol*
*BT1 alcohols
RT ethanol fuels
RT gasohol program

ETHANOL FUELS
INIS: Jul 1992; ETDE: Sep 1979
(For pure ethanol, ethanol-water mixtures, or ethanol with additives; for ethanol-gasoline mixtures use GASOHOL.)
*BT1 alcohol fuels
RT automotive fuels
RT diesel fuels
RT ethanol
RT gasohol

ETHANOL PLANTS
INIS: Jul 1992; ETDE: May 1981
BT1 industrial plants
RT biomass conversion plants
RT chemical plants

ether
Use ethyl ether

ETHERS
UF+ *batyl alcohol*
UF+ *carbitols*
UF+ *diglycol monoalkyl ethers*
UF+ *ethocel*
UF+ *ioglycamic acid*
UF+ *octadecyl glyceryl ether-alpha*
UF+ *oxetane*
*BT1 organic oxygen compounds
NT1 acetals
NT2 acetal
NT1 anisole
NT1 butyl ether
NT1 cellosolves
NT1 crown ethers
NT1 curcumin
NT1 dme
NT1 ethyl ether
NT1 isopropyl ether
NT1 methyl ether
NT1 methylal
NT1 mexamine
NT1 morpholines
NT1 phenyl ether
RT polyethylene glycols
RT tetrahydropyran
RT thyronine
RT thyroxine

ETHICAL ASPECTS
INIS: Feb 1982; ETDE: Feb 1982
UF *ethics*
RT hazards
RT political aspects
RT public opinion
RT radiation protection
RT safety
RT safety culture
RT sociology

ethics
Use ethical aspects

ethine
Use acetylene

ETHIONINE
UF *ethylmercaptoaminobutyric acid*
UF *ethylthioaminobutyric acid*
*BT1 amino acids
*BT1 antimetabolites
*BT1 lipotropic factors
*BT1 organic sulfur compounds

ETHIOPIA
BT1 africa
BT1 developing countries

ethnic groups
Use minority groups

ethocel
Use cellulose
AND ethers

ETHOXY RADICALS
*BT1 alkoxy radicals

ethyl alcohol
Use ethanol

ETHYL ETHER
UF *diethyl ether*
UF *ether*
*BT1 ethers
RT anesthetics
RT organic solvents

ethyl methanesulfonate
Use ems

ETHYL RADICALS
*BT1 alkyl radicals

ethylaldehyde
Use acetaldehyde

ETHYLENE
*BT1 alkenes

ethylene glycol
Use glycols

ethylene polymers
Use polyethylenes

ETHYLENE PROPYLENE DIENE POLYMERS
INIS: Sep 1992; ETDE: May 1980
UF *epdm*
*BT1 elastomers
RT rubbers

ethylenecarboxylic acid
Use acrylic acid

ethylenediaminetetraacetic acid
Use edta

ethylmercaptoaminobutyric acid
Use ethionine

ethylthioaminobutyric acid
Use ethionine

ethyne
Use acetylene

ethyrone
Use organic sulfur compounds
AND radioprotective substances

ethyroneethyl phosphinate
Use organic sulfur compounds
AND radioprotective substances

ETIOLOGY
(Dealing with all causes of a disease or abnormal condition of an organism.)
RT diseases

etioporphyrins
Use porphyrins

ETR REACTOR
(E.G. and G. Idaho, Inc., Idaho Falls, Idaho, USA)
UF *engineering test reactor*
UF *nrts-etr reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

ETRC REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *engineering test reactor critical facility*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 zero power reactors

ETRR-1 REACTOR
INIS: Aug 1990; ETDE: Sep 1990
(Egypt Thermal Research Reactor, Cairo, Egypt.)
*BT1 research reactors
*BT1 tank type reactors

ETRR-2 REACTOR
INIS: Sep 1999; ETDE: Sep 1999
(Egypt Thermal Research Reactor, Cairo, Egypt.)
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

ETTINGHAUSEN EFFECT
RT hall effect

EUCALYPTUSES
INIS: Jan 1978; ETDE: Mar 1978
*BT1 magnoliopsida
*BT1 trees

euclidean quantum field theory
Use constructive field theory
AND euclidean space

EUCLIDEAN SPACE
UF+ *euclidean quantum field theory*
*BT1 riemann space

eudialyte
Use silicate minerals

euflavine
Use acriflavine

EUGLENA
*BT1 euglenophycota
*BT1 mastigophora
*BT1 unicellular algae

EUGLENOPHYCOTA
INIS: Dec 1991; ETDE: Dec 1988
BT1 plants
NT1 euglena

EUMYCOTA
INIS: Dec 1991; ETDE: Dec 1988
(The UF terms below were valid ETDE descriptors till March1997.)
UF *pellicularia*
UF *phycomyces*
UF *thielavia*
UF+ *claviceps*
*BT1 fungi
NT1 aspergillus
NT1 fusarium
NT1 lichens
NT1 mildew
NT1 neurospora
NT1 penicillium
NT1 phanerochaete
NT1 rhizopus
NT1 trichoderma
NT2 trichoderma viride
NT1 ustilago
NT1 yeasts
NT2 candida
NT2 saccharomyces
NT3 saccharomyces cerevisiae
NT2 torula

EUPHORBIA
INIS: Jan 1992; ETDE: Jul 1979
(Latex bearing plants and possible source of hydrocarbons.)
UF *chinese tallow tree*
*BT1 magnoliopsida
NT1 castor
NT1 milkweed
NT1 rubber trees
NT2 guayule
NT2 hevea

EURATOM
UF *european atomic energy community*
*BT1 european union
RT europe

eurelios solar power plant
Use tower focus power plants

EUREX PROCESS
*BT1 reprocessing
RT amines
RT solvent extraction

EUROCHEMIC
RT reprocessing

eurocurrency
Use euromarket

EURODIF
INIS: Nov 1975; ETDE: Dec 1975
(International association founded in march 1972 to promote the construction of a European gaseous diffusion plant.)
BT1 international organizations
RT gaseous diffusion plants

eurodollars
Use euromarket

EUROMARKET
INIS: Apr 2000; ETDE: Oct 1979
(Money on deposit and available for lending at financial institutions outside the country of the money's origin; beyond the control of any nation, it is mostly in hands of world's largest banks and free from reserve requirements and other national regulations.)
UF *eurocurrency*
UF *eurodollars*
RT capital
RT international cooperation
RT investment

EUROPE
NT1 eastern europe
NT2 albania
NT2 belarus
NT2 bosnia and herzegovina
NT2 bulgaria
NT2 croatia
NT2 czech republic
NT2 estonia
NT2 hungary
NT2 latvia
NT2 lithuania
NT2 moldova
NT2 poland
NT2 romania
NT2 russian federation
NT3 dubna
NT3 kamchatka
NT3 kurile islands
NT3 lovozero
NT3 novaya zemlya
NT3 siberia
NT2 slovakia
NT2 slovenia
NT2 the former yugoslav republic of macedonia
NT2 ukraine
NT3 crimea
NT2 yugoslavia
NT1 western europe
NT2 austria
NT2 belgium
NT2 federal republic of germany
NT2 france
NT2 greece
NT2 iceland
NT2 ireland
NT2 italy
NT3 appennines
NT3 sicily
NT2 luxembourg
NT2 malta
NT2 monaco
NT2 netherlands
NT2 portugal
NT3 azores islands
NT2 san marino
NT2 scandinavia
NT3 denmark
NT3 finland
NT3 norway
NT3 sweden
NT2 spain
NT3 canary islands
NT2 switzerland
NT2 united kingdom
RT euratom
RT european union

european atomic energy community
Use euratom

european coal and steel community
Use ecsc

european communities
Use european union

european economic community
Use internal market

european muon collaboration effect
Use emc effect

european nuclear energy agency
Use nea

european organization for nuclear research
Use cern

european safeguard research development association
Use esarda

european space agency
Use esa

european space research organization
Use esa

EUROPEAN SYNCHROTRON RADIATION FACILITY
INIS: Sep 2000; ETDE: Nov 1999
(Grenoble, France)
UF *esrf*
*BT1 synchrotron radiation sources

EUROPEAN UNION
(Until December 1994 this concept was indexed to EUROPEAN COMMUNITIES.)
UF *european communities*
BT1 international organizations
NT1 ecsc
NT1 euratom
NT1 internal market
RT europe

EUROPIUM
*BT1 rare earths

EUROPIUM 130
Jan 2003
BT1 europium isotopes
*BT1 microseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 proton decay radioisotopes
*BT1 rare earth nuclei

EUROPIUM 131
Jan 2003
BT1 europium isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 proton decay radioisotopes
*BT1 rare earth nuclei

EUROPIUM 134
INIS: Oct 1989; ETDE: Nov 1989
*BT1 beta-plus decay radioisotopes
BT1 europium isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

EUROPIUM 135
INIS: Oct 1989; ETDE: Nov 1989
*BT1 beta-plus decay radioisotopes
BT1 europium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

EUROPIUM 136
INIS: Apr 1986; ETDE: Dec 1985
*BT1 beta-plus decay radioisotopes
BT1 europium isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

EUROPIUM 137
INIS: Apr 1988; ETDE: Aug 1984
BT1 europium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

EUROPIUM 138
INIS: Jun 1977; ETDE: Oct 1977
*BT1 beta-plus decay radioisotopes
BT1 europium isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

EUROPIUM 139
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 europium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

EUROPIUM 140
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 europium isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

EUROPIUM 141
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 europium isotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

EUROPIUM 142
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 europium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

EUROPIUM 143
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 europium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

EUROPIUM 144
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 europium isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

EUROPIUM 145
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
BT1 europium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

EUROPIUM 146
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
BT1 europium isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

EUROPIUM 147
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
BT1 europium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

EUROPIUM 148
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
BT1 europium isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

EUROPIUM 149
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
BT1 europium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

EUROPIUM 150
*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 europium isotopes
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 years living radioisotopes

EUROPIUM 151
BT1 europium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

EUROPIUM 151 TARGET
BT1 targets

EUROPIUM 152
*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 europium isotopes
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 years living radioisotopes

EUROPIUM 152 TARGET
INIS: Nov 1977; ETDE: Dec 1977
BT1 targets

EUROPIUM 153
BT1 europium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

EUROPIUM 153 TARGET
BT1 targets

EUROPIUM 154
*BT1 beta-minus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 europium isotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 years living radioisotopes

EUROPIUM 154 TARGET
INIS: Nov 1977; ETDE: Mar 1978
BT1 targets

EUROPIUM 155
*BT1 beta-minus decay radioisotopes
BT1 europium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 years living radioisotopes

EUROPIUM 155 TARGET
INIS: Dec 1979; ETDE: Jan 1980
BT1 targets

EUROPIUM 156
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
BT1 europium isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

EUROPIUM 157
*BT1 beta-minus decay radioisotopes
BT1 europium isotopes
*BT1 hours living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

EUROPIUM 158
*BT1 beta-minus decay radioisotopes
BT1 europium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

EUROPIUM 159
*BT1 beta-minus decay radioisotopes
BT1 europium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

EUROPIUM 160
*BT1 beta-minus decay radioisotopes
BT1 europium isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

EUROPIUM 161
INIS: Oct 1986; ETDE: Nov 1986
*BT1 beta-minus decay radioisotopes
BT1 europium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

EUROPIUM 162
INIS: Aug 1987; ETDE: Oct 1987
*BT1 beta-minus decay radioisotopes
BT1 europium isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

EUROPIUM ADDITIONS
(Alloys containing not more than 1% Eu are listed here.)
*BT1 europium alloys
*BT1 rare earth additions

EUROPIUM ALLOYS
(Alloys containing more than 1% Eu.)
*BT1 rare earth alloys
NT1 europium additions
NT1 europium base alloys

EUROPIUM ARSENIDES
INIS: Sep 1989; ETDE: Aug 1976
*BT1 arsenides
*BT1 europium compounds

EUROPIUM BASE ALLOYS
*BT1 europium alloys

EUROPIUM BORIDES
*BT1 borides
*BT1 europium compounds

EUROPIUM BROMIDES
*BT1 bromides
*BT1 europium compounds

EUROPIUM CARBIDES
*BT1 carbides
*BT1 europium compounds

EUROPIUM CARBONATES
*BT1 carbonates
*BT1 europium compounds

EUROPIUM CHLORIDES
*BT1 chlorides
*BT1 europium compounds

EUROPIUM COMPLEXES
*BT1 rare earth complexes

EUROPIUM COMPOUNDS
BT1 rare earth compounds
NT1 europium arsenides
NT1 europium borides
NT1 europium bromides
NT1 europium carbides
NT1 europium carbonates
NT1 europium chlorides
NT1 europium fluorides
NT1 europium hydrides
NT1 europium hydroxides
NT1 europium iodides
NT1 europium nitrates
NT1 europium nitrides
NT1 europium oxides
NT1 europium perchlorates
NT1 europium phosphates
NT1 europium phosphides
NT1 europium selenides
NT1 europium silicates
NT1 europium silicides
NT1 europium sulfates
NT1 europium sulfides
NT1 europium tellurides

EUROPIUM FLUORIDES
*BT1 europium compounds
*BT1 fluorides

EUROPIUM HYDRIDES
*BT1 europium compounds
*BT1 hydrides

EUROPIUM HYDROXIDES
*BT1 europium compounds
*BT1 hydroxides

EUROPIUM IODIDES
*BT1 europium compounds
*BT1 iodides

EUROPIUM IONS
*BT1 ions

EUROPIUM ISOTOPES
NT1 europium 130
NT1 europium 131
NT1 europium 134
NT1 europium 135
NT1 europium 136
NT1 europium 137
NT1 europium 138
NT1 europium 139
NT1 europium 140
NT1 europium 141
NT1 europium 142
NT1 europium 143
NT1 europium 144
NT1 europium 145
NT1 europium 146
NT1 europium 147
NT1 europium 148
NT1 europium 149
NT1 europium 150
NT1 europium 151
NT1 europium 152
NT1 europium 153
NT1 europium 154
NT1 europium 155
NT1 europium 156
NT1 europium 157
NT1 europium 158
NT1 europium 159
NT1 europium 160
NT1 europium 161
NT1 europium 162

EUROPIUM NITRATES
*BT1 europium compounds
*BT1 nitrates

EUROPIUM NITRIDES
*BT1 europium compounds
*BT1 nitrides

EUROPIUM OXIDES
*BT1 europium compounds
*BT1 oxides

EUROPIUM PERCHLORATES
INIS: Sep 1991; ETDE: Oct 1975
*BT1 europium compounds
*BT1 perchlorates

EUROPIUM PHOSPHATES
INIS: Oct 1975; ETDE: Dec 1975
*BT1 europium compounds
*BT1 phosphates

EUROPIUM PHOSPHIDES
INIS: Oct 1983; ETDE: Nov 1977
*BT1 europium compounds
*BT1 phosphides

EUROPIUM SELENIDES
INIS: Oct 1976; ETDE: Sep 1975
*BT1 europium compounds
*BT1 selenides

EUROPIUM SILICATES
*BT1 europium compounds
*BT1 silicates

EUROPIUM SILICIDES
INIS: Oct 1975; ETDE: Dec 1975
*BT1 europium compounds
*BT1 silicides

EUROPIUM SULFATES
*BT1 europium compounds
*BT1 sulfates

EUROPIUM SULFIDES
*BT1 europium compounds
*BT1 sulfides

EUROPIUM TELLURIDES
INIS: May 1976; ETDE: Sep 1975
*BT1 europium compounds
*BT1 tellurides

EUTECTICS
RT monotectics
RT phase change materials
RT phase diagrams
RT phase transformations

EUTECTOIDS
RT monotectoids
RT phase diagrams

RT phase transformations

EUTERPE STORAGE RING

INIS: Oct 1992; ETDE: Nov 1992
(Eindhoven University of Technology ring for protons and electrons.)
BT1 storage rings

EUTROPHICATION

RT algae
RT aquatic ecosystems
RT estuaries
RT fertilizers
RT lakes
RT limnology
RT nutrients
RT water pollution

euxenite

Use uranium minerals

EV RANGE

BT1 energy range
NT1 ev range 01-10
NT1 ev range 10-100
NT1 ev range 100-1000

EV RANGE 01-10

*BT1 ev range

EV RANGE 10-100

*BT1 ev range

EV RANGE 100-1000

*BT1 ev range

EVACUATED COLLECTORS

INIS: Apr 2000; ETDE: Mar 1978
*BT1 solar collectors
NT1 evacuated tube collectors

EVACUATED TUBE COLLECTORS

INIS: Apr 2000; ETDE: Mar 1978
*BT1 evacuated collectors

EVACUATION

INIS: Feb 1984; ETDE: Mar 1983
(An organized withdrawal of people from a place or area asa protective measure.)
RT accidents
RT civil defense
RT emergency plans
RT external zones
RT mine rescue
RT population relocation
RT routing

EVALUATED DATA

INIS: Oct 1978; ETDE: Feb 1979
(Use only in conjunction with literary indicator N for data flagging; refers to data gathered from other sources and may consist of a compilation of data which, however, has been evaluated and some judgement as to its accuracy or value is expressed or implied.)
UF *data compilation (evaluated)*
*BT1 numerical data
RT nuclear data collections

evaluated nuclear data file

Use nuclear data collections

EVALUATION

INIS: Dec 1985; ETDE: Jun 1976
(Process of subjecting to critical judgement or interpretation.)
NT1 comparative evaluations
RT audits
RT feasibility studies
RT forecasting
RT inspection
RT quality assurance
RT testing
RT validation

EVANS BLUE

*BT1 azo dyes
BT1 reagents
*BT1 sulfonic acids

EVAPORATION

UF *vaporization*
UF *volatilization*
BT1 phase transformations
NT1 flashing
NT1 sublimation
NT1 vacuum evaporation
RT blowoff
RT boiling
RT dehydration
RT distillation
RT drying
RT evaporative cooling
RT evaporators
RT flash heating
RT interception
RT spray drying
RT throughfall
RT transpiration
RT vaporization heat
RT vapors
RT waste processing

EVAPORATION MODEL

UF *nuclear evaporation*
*BT1 nuclear models
NT1 weisskopf model
RT compound-nucleus reactions
RT nuclear fireball model
RT nuclear temperature
RT precompound-nucleus emission

EVAPORATIVE COOLING

INIS: Sep 1976; ETDE: Oct 1975
(Cooling of a liquid by using the vaporization heat of part of the liquid or cooling air by evaporating water into it.)
BT1 cooling
RT cold storage
RT cooling systems
RT cooling towers
RT evaporation

EVAPORATORS

NT1 solar stills
RT counterflow systems
RT crossflow systems
RT desalination
RT distillation
RT dryers
RT evaporation
RT heat exchangers
RT vapor condensers

EVAPORITES

INIS: Apr 1984; ETDE: Jul 1981
*BT1 sedimentary rocks
RT halite

EVEN-EVEN NUCLEI

(Even protons, even neutrons.)
BT1 nuclei
NT1 argon 32
NT1 argon 34
NT1 argon 36
NT1 argon 38
NT1 argon 40
NT1 argon 42
NT1 argon 44
NT1 argon 46
NT1 argon 50
NT1 barium 114
NT1 barium 116
NT1 barium 118
NT1 barium 120
NT1 barium 122
NT1 barium 124
NT1 barium 126
NT1 barium 128
NT1 barium 130
NT1 barium 132
NT1 barium 134
NT1 barium 136
NT1 barium 138
NT1 barium 140
NT1 barium 142
NT1 barium 144
NT1 barium 146
NT1 barium 148
NT1 beryllium 10
NT1 beryllium 12
NT1 beryllium 14
NT1 beryllium 6
NT1 beryllium 8
NT1 cadmium 100
NT1 cadmium 102
NT1 cadmium 104
NT1 cadmium 106
NT1 cadmium 108
NT1 cadmium 110
NT1 cadmium 112
NT1 cadmium 114
NT1 cadmium 116
NT1 cadmium 118
NT1 cadmium 120
NT1 cadmium 122
NT1 cadmium 124
NT1 cadmium 126
NT1 cadmium 128
NT1 cadmium 130
NT1 cadmium 96
NT1 cadmium 98
NT1 calcium 36
NT1 calcium 38
NT1 calcium 40
NT1 calcium 42
NT1 calcium 44
NT1 calcium 46
NT1 calcium 48
NT1 calcium 50
NT1 calcium 52
NT1 californium 238
NT1 californium 240
NT1 californium 242
NT1 californium 244
NT1 californium 246
NT1 californium 248
NT1 californium 250
NT1 californium 252
NT1 californium 254
NT1 californium 256
NT1 carbon 10
NT1 carbon 12
NT1 carbon 14
NT1 carbon 16
NT1 carbon 18
NT1 carbon 20
NT1 carbon 22
NT1 carbon 8
NT1 cerium 124
NT1 cerium 126
NT1 cerium 128
NT1 cerium 130
NT1 cerium 132
NT1 cerium 134
NT1 cerium 136
NT1 cerium 138
NT1 cerium 140
NT1 cerium 142
NT1 cerium 144
NT1 cerium 146

NT1 cerium 148
NT1 cerium 150
NT1 cerium 152
NT1 chromium 42
NT1 chromium 44
NT1 chromium 46
NT1 chromium 48
NT1 chromium 50
NT1 chromium 52
NT1 chromium 54
NT1 chromium 56
NT1 chromium 58
NT1 chromium 60
NT1 chromium 62
NT1 curium 232
NT1 curium 236
NT1 curium 238
NT1 curium 240
NT1 curium 242
NT1 curium 244
NT1 curium 246
NT1 curium 248
NT1 curium 250
NT1 curium 252
NT1 dysprosium 142
NT1 dysprosium 144
NT1 dysprosium 146
NT1 dysprosium 148
NT1 dysprosium 150
NT1 dysprosium 152
NT1 dysprosium 154
NT1 dysprosium 156
NT1 dysprosium 158
NT1 dysprosium 160
NT1 dysprosium 162
NT1 dysprosium 164
NT1 dysprosium 166
NT1 dysprosium 168
NT1 element 104 254
NT1 element 104 256
NT1 element 104 258
NT1 element 104 260
NT1 element 104 262
NT1 element 106 260
NT1 element 106 262
NT1 element 106 266
NT1 element 108 264
NT1 element 108 266
NT1 element 108 270
NT1 element 110 270
NT1 erbium 146
NT1 erbium 148
NT1 erbium 150
NT1 erbium 152
NT1 erbium 154
NT1 erbium 156
NT1 erbium 158
NT1 erbium 160
NT1 erbium 162
NT1 erbium 164
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NT1 erbium 168
NT1 erbium 170
NT1 erbium 172
NT1 erbium 174
NT1 fermium 242
NT1 fermium 244
NT1 fermium 246
NT1 fermium 248
NT1 fermium 250
NT1 fermium 252
NT1 fermium 254
NT1 fermium 256
NT1 fermium 258
NT1 gadolinium 138
NT1 gadolinium 140
NT1 gadolinium 142
NT1 gadolinium 144
NT1 gadolinium 146
NT1 gadolinium 148
NT1 gadolinium 150
NT1 gadolinium 152
NT1 gadolinium 154
NT1 gadolinium 156
NT1 gadolinium 158
NT1 gadolinium 160
NT1 gadolinium 162
NT1 gadolinium 164
NT1 germanium 62
NT1 germanium 64
NT1 germanium 66
NT1 germanium 68
NT1 germanium 70
NT1 germanium 72
NT1 germanium 74
NT1 germanium 76
NT1 germanium 78
NT1 germanium 80
NT1 germanium 82
NT1 germanium 84
NT1 hafnium 154
NT1 hafnium 156
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NT1 hafnium 176
NT1 hafnium 178
NT1 hafnium 180
NT1 hafnium 182
NT1 hafnium 184
NT1 hafnium 186
NT1 helium 10
NT1 helium 4
NT2 helium i
NT2 helium ii
NT1 helium 6
NT1 helium 8
NT1 iron 46
NT1 iron 48
NT1 iron 50
NT1 iron 52
NT1 iron 54
NT1 iron 56
NT1 iron 58
NT1 iron 60
NT1 iron 62
NT1 iron 64
NT1 iron 66
NT1 iron 68
NT1 krypton 70
NT1 krypton 72
NT1 krypton 74
NT1 krypton 76
NT1 krypton 78
NT1 krypton 80
NT1 krypton 82
NT1 krypton 84
NT1 krypton 86
NT1 krypton 88
NT1 krypton 90
NT1 krypton 92
NT1 krypton 94
NT1 krypton 96
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NT1 mercury 176
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NT1 nickel 74
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NT1 nobelium 250
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NT1 osmium 162
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NT1 titanium 40
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NT1 tungsten 158
NT1 tungsten 160
NT1 tungsten 162
NT1 tungsten 164
NT1 tungsten 166
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NT1 uranium 218
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NT1 xenon 110
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NT1 ytterbium 150
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NT1 ytterbium 162
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NT1 ytterbium 170
NT1 ytterbium 172
NT1 ytterbium 174
NT1 ytterbium 176
NT1 ytterbium 178
NT1 ytterbium 180
NT1 zinc 58
NT1 zinc 60
NT1 zinc 62
NT1 zinc 64
NT1 zinc 66
NT1 zinc 68
NT1 zinc 70
NT1 zinc 72
NT1 zinc 74
NT1 zinc 76
NT1 zinc 78
NT1 zinc 80
NT1 zirconium 100
NT1 zirconium 102
NT1 zirconium 104
NT1 zirconium 80
NT1 zirconium 82
NT1 zirconium 84
NT1 zirconium 86
NT1 zirconium 88
NT1 zirconium 90
NT1 zirconium 92
NT1 zirconium 94
NT1 zirconium 96
NT1 zirconium 98
RT nuclear structure

EVEN-ODD NUCLEI

(Even protons, odd neutrons.)
BT1 nuclei
NT1 argon 31
NT1 argon 33
NT1 argon 35
NT1 argon 37
NT1 argon 39
NT1 argon 41
NT1 argon 43
NT1 argon 45
NT1 argon 47
NT1 argon 49
NT1 argon 51
NT1 barium 115
NT1 barium 117
NT1 barium 119
NT1 barium 121
NT1 barium 123
NT1 barium 125
NT1 barium 127
NT1 barium 129
NT1 barium 131
NT1 barium 133
NT1 barium 135
NT1 barium 137
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NT1 barium 141
NT1 barium 143
NT1 barium 145
NT1 barium 147
NT1 barium 149
NT1 beryllium 11
NT1 beryllium 13
NT1 beryllium 5
NT1 beryllium 7
NT1 beryllium 9
NT1 cadmium 101
NT1 cadmium 103
NT1 cadmium 105
NT1 cadmium 107
NT1 cadmium 109
NT1 cadmium 111
NT1 cadmium 113
NT1 cadmium 115
NT1 cadmium 117
NT1 cadmium 119
NT1 cadmium 121
NT1 cadmium 123
NT1 cadmium 125
NT1 cadmium 127
NT1 cadmium 97
NT1 cadmium 99
NT1 calcium 35
NT1 calcium 37
NT1 calcium 39
NT1 calcium 41
NT1 calcium 43
NT1 calcium 45
NT1 calcium 47
NT1 calcium 49
NT1 calcium 51
NT1 calcium 53
NT1 californium 239
NT1 californium 241
NT1 californium 243
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NT1 californium 249
NT1 californium 251
NT1 californium 253
NT1 californium 255
NT1 carbon 11
NT1 carbon 13
NT1 carbon 15
NT1 carbon 17
NT1 carbon 19
NT1 carbon 9
NT1 cerium 121
NT1 cerium 123
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NT1 cerium 151
NT1 chromium 43
NT1 chromium 45
NT1 chromium 47
NT1 chromium 49
NT1 chromium 51
NT1 chromium 53
NT1 chromium 55
NT1 chromium 57
NT1 chromium 59
NT1 chromium 61
NT1 curium 237
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NT1 curium 251
NT1 dysprosium 141
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NT1 dysprosium 169
NT1 element 104 253
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NT1 element 104 261
NT1 element 104 263
NT1 element 106 259
NT1 element 106 261
NT1 element 106 263
NT1 element 106 265
NT1 element 108 265
NT1 element 110 269
NT1 element 112 277
NT1 element 112 283
NT1 erbium 145
NT1 erbium 147
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NT1 fermium 243
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NT1 gadolinium 135
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NT1 hafnium 155
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NT1 hafnium 185
NT1 helium 3
NT2 helium 3 a
NT2 helium 3 a1
NT2 helium 3 b
NT1 helium 5
NT1 helium 7
NT1 helium 9
NT1 iron 45
NT1 iron 47
NT1 iron 49
NT1 iron 51
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NT1 iron 67
NT1 krypton 69
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NT1 lead 183
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NT1 mercury 175
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NT1 molybdenum 101
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NT1 neodymium 127
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NT1 nobelium 251
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NT1 osmium 163
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NT1 oxygen 13
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NT1 palladium 101
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NT1 uranium 219
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NT1 ytterbium 151
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NT1 zirconium 99
RT nuclear structure

event tree analysis
Use failure mode analysis

events (chemical explosions)
Use chemical explosions

events (nuclear explosions)
Use nuclear explosions

EVERGLADES NATIONAL PARK
INIS: Jun 1992; ETDE: Oct 1975
SF *parks*
BT1 public lands
RT florida
RT swamps

EVOLUTION
INIS: Apr 2000; ETDE: Feb 1978
(A process of development, as from a simple to a complex form)
NT1 biological evolution
NT1 galactic evolution
NT1 mathematical evolution
NT1 solar system evolution
NT1 star evolution
NT2 r process
NT2 s process
NT2 star accretion

EVSR REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *vallecitos reactor*
*BT1 enriched uranium reactors
*BT1 power reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

EWA REACTOR
(Inst. of Nuclear Research, Swierk, Poland)
UF *swierk ewa reactor*
*BT1 isotope production reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

EWG-1 REACTOR
Nov 2003
(National Nuclear Center of the Republic of Kazakhstan, Kurchatov city, East Kazakhstan.)
UF *ewg-1m reactor*
UF *iwg-1m reactor*
UF *kazakhstan ewg-1 reactor*
*BT1 beryllium moderated reactors
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 gas cooled reactors
*BT1 materials testing reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

ewg-1m reactor
Use ewg-1 reactor

EXACT SOLUTIONS
Jun 2003
BT1 mathematical solutions
RT functions
RT mathematical models
RT series expansion

EXAWATT POWER RANGE
Aug 2003
(From 10 exp 18 to 10 exp 21 W.)
BT1 power range
NT1 power range 01-10 ew
NT1 power range 10-100 ew
NT1 power range 100-1000 ew

EXCAVATION
NT1 nuclear excavation
RT cavities
RT construction
RT craters
RT draglines
RT dredging
RT earthmoving equipment
RT explosions
RT mining
RT nuclear explosions
RT shaft excavations
RT slope stability
RT subterrene penetrators
RT surface mining
RT tunneling machines
RT tunnels
RT underground mining

excavators
Use earthmoving equipment

EXCEPTIONAL NATURAL DISASTER
INIS: Dec 1976; ETDE: Nov 1999
(In the legal sense when so declared by the competent authority in relation to compensation for damages.)
UF *disaster (exceptional natural)*
UF *natural disaster (exceptional)*
BT1 natural disasters
RT earthquakes
RT floods
RT liabilities
RT victims compensation

EXCEPTIONS
INIS: Apr 2000; ETDE: Dec 1979
SF *exemptions*
BT1 administrative procedures

excess costs
Use cost

exchange (charge)
Use charge exchange

exchange (electron)
Use electron exchange

exchange (heat)
Use heat transfer

exchange (ion)
Use ion exchange

exchange (isotopic)
Use isotopic exchange

EXCHANGE DEGENERACY
RT regge poles

EXCHANGE INTERACTIONS
(Not for chemical reactions.)
BT1 interactions
RT cim model

RT morrison rule
RT quark-hadron interactions
RT spin exchange

exchange models
Use peripheral models

exchange rate
Use foreign exchange rate

EXCIMER LASERS
INIS: Jul 1985; ETDE: May 1984
(Lasers whose lasing medium is a dimer that exists in the excited state and dissociates in the ground state.)
*BT1 gas lasers
NT1 krypton chloride lasers
NT1 krypton fluoride lasers

EXCISION REPAIR
*BT1 dna repair

EXCITATION
(Addition of energy to a nuclear, atomic or molecular system transferring it to another energy state.)
UF+ *core polarization (nuclei)*
BT1 energy-level transitions
NT1 collective excitations
NT1 coulomb excitation
NT1 inner-shell excitation
RT activation energy
RT chemical activation
RT de-excitation
RT electron beam pumping
RT excited states
RT fission barrier
RT optical pumping

EXCITATION FUNCTIONS
(Prior to July 1996 GERJUOY-STEIN THEORY was a valid ETDE descriptor.)
SF *gerjuoy-stein theory*
*BT1 differential cross sections
BT1 functions
RT energy dependence
RT integral cross sections
RT nuclear reactions
RT total cross sections

EXCITATION SYSTEMS
INIS: Apr 2000; ETDE: Apr 1978
(Equipment for providing field current for an a-c generator or similar device.)
UF *exciters*
RT control equipment
RT electric currents
RT electric fields
RT electric generators
RT electrical equipment

EXCITED STATES
BT1 energy levels
NT1 metastable states
NT1 rotational states
NT1 rydberg states
NT1 vibrational states
RT excitation

exciters
Use excitation systems

EXCITON MODEL
INIS: Jan 1982; ETDE: May 1979
*BT1 nuclear models

EXCITONS
UF *biexcitons*
BT1 quasi particles
RT electron-hole droplets

exclusion principle
Use pauli principle

exclusions (liability)
Use liability exclusions

EXCLUSIVE INTERACTIONS
(The group of all interactions of two particles producing a specific final state but excluding the final-state particle itself.)
*BT1 particle interactions
NT1 semi-exclusive interactions
RT inclusive interactions

exclusive liability
Use liabilities

EXCRETION
UF+ *excretion analysis*
BT1 clearance
NT1 exhalation
NT1 lung clearance
NT1 renal clearance
RT biological wastes
RT body fluids
RT feces
RT glands
RT glucuronide conjugates
RT glutathione conjugates
RT kidneys
RT large intestine
RT lavage
RT phagocytosis
RT physiology
RT radionuclide kinetics
RT retention
RT secretion
RT sweat
RT urinary tract
RT urine

excretion analysis
Use excretion
AND personnel monitoring

excretion functions
Use retention functions

EXCURSIONS
UF *power excursions*
UF *runaway (reactor accident)*
*BT1 reactor accidents
RT hazards
RT reactors

EXECUTIVE CODES
INIS: Nov 1988; ETDE: Aug 1983
(A digital computer code that controls other codes, allocates storage to these codes and controls the servicing of peripheral devices.)
UF *monitor codes*
UF *operating systems (computer)*
UF *supervisor codes*
BT1 computer codes
RT memory management
RT programming
RT task scheduling

EXECUTIVE ORDERS
INIS: Apr 2000; ETDE: May 1983
RT laws
RT legal aspects
RT regulations

exemptions
See exceptions

EXERCISE
UF *physical effort*
UF *swimming*
RT biological fatigue
RT biological stress
RT muscles

EXERGY
INIS: Feb 1980; ETDE: Mar 1980
(That portion of energy which is converted into the desired, economically utilizable form.)
BT1 energy
RT thermodynamics

EXHALATION
*BT1 excretion
RT breath
RT lung clearance

exhaust gas recirculation systems
Use exhaust recirculation systems

EXHAUST GASES
INIS: Apr 1984; ETDE: Apr 1975
SF *emissions (industrial)*
*BT1 gaseous wastes
*BT1 gases
RT afterburners
RT automobiles
RT catalytic converters
RT combustion products
RT emissions tax
RT emissions trading
RT exhaust recirculation systems
RT exhaust systems
RT federal test procedure
RT internal combustion engines

EXHAUST RECIRCULATION SYSTEMS
INIS: Jul 1992; ETDE: Jan 1976
UF *egr systems*
UF *exhaust gas recirculation systems*
BT1 exhaust systems
*BT1 pollution control equipment
RT air pollution control
RT automobiles
RT combustion
RT exhaust gases

EXHAUST SYSTEMS
INIS: Mar 1983; ETDE: Mar 1977
NT1 exhaust recirculation systems
RT afterburners
RT air pollution
RT chimneys
RT divertors
RT exhaust gases
RT ventilation

EXHIBITS
INIS: Jun 1993; ETDE: May 1979
RT educational facilities
RT educational tools

EXINITE
INIS: Apr 2000; ETDE: Jul 1987
UF *liptinite*
BT1 macerals

EXOELECTRON DOSEMETERS
*BT1 dosemeters

EXOELECTRONS
*BT1 electrons

EXONS
INIS: Jun 1995; ETDE: May 1995
RT dna
RT gene regulation
RT genes
RT introns
RT messenger-rna
RT splicing

EXOSKELETON
*BT1 skeleton
RT echinoderms

EXOSPHERE
BT1 earth atmosphere

exotic atoms
Use hadronic atoms

EXOTIC RESONANCES
(Resonance states not accommodated by the naive quark model.)
*BT1 resonance particles

EXPANSION
(Increase in size or volume, not for the concept covered by SERIES EXPANSION.)
NT1 plasma expansion
NT1 thermal expansion
RT augmentation
RT contraction
RT cosmological models
RT elongation
RT hubble effect
RT solar wind
RT swelling

EXPANSION CHAMBERS
*BT1 cloud chambers

EXPANSION JOINTS
INIS: Oct 1975; ETDE: Dec 1975
BT1 joints
RT bellows
RT contraction
RT pipe fittings
RT pipe joints
RT thermal expansion

EXPECTATION VALUE
RT eigenfunctions
RT eigenvalues
RT probability
RT quantum mechanics
RT statistics

EXPENDITURES
INIS: Apr 1992; ETDE: Jul 1981
UF *government spending*
UF *spending*
UF+ *federal expenditures*
RT budgets
RT capital
RT cost
RT economics
RT financing

experience critique orgel
Use eco reactor

EXPERIMENT PLANNING
INIS: Feb 1983; ETDE: Sep 1975
BT1 planning
RT demonstration programs
RT research programs

experimental beryllium oxide reactor
Use ebor reactor

experimental boiling water reactor
Use ebwr reactor

experimental breeder reactor-1
Use ebr-1 reactor

experimental breeder reactor-2
Use ebr-2 reactor

EXPERIMENTAL CHANNELS
UF *irradiation channels*
*BT1 reactor channels
*BT1 reactor experimental facilities
RT in pile loops
RT irradiation capsules

EXPERIMENTAL DATA
INIS: Oct 1978; ETDE: Feb 1979
(Use only in conjunction with literary indicator N for data flagging.)
*BT1 numerical data
RT benchmarks

experimental facilities (accelerator)
Use accelerator facilities

experimental facilities (reactor)
Use reactor experimental facilities

experimental gas cooled reactor
Use egcr reactor

experimental graphite reactor
Use igr reactor

EXPERIMENTAL NEOPLASMS
UF *jensen sarcoma*
UF *walker carcinoma*
UF *yoshida sarcoma*
*BT1 neoplasms
NT1 ehrlich ascites tumor
RT leukemia viruses

experimental organic cooled reactor
Use eocr reactor

experimental propulsion test reactor
See tory-2a reactor
OR tory-2c reactor

EXPERIMENTAL REACTORS
(For engineering testing of reactor components such as fuel elements, cooling systems, etc.)
UF+ *lcre reactor*
UF+ *lithium cooled reactor experiment*
*BT1 research and test reactors
NT1 aps reactor
NT1 arbus reactor
NT1 atrc reactor
NT1 bilibin reactor
NT1 bor-60 reactor
NT1 borax-1 reactor
NT1 borax-2 reactor
NT1 borax-3 reactor
NT1 borax-4 reactor
NT1 br-3-vn reactor
NT1 cefr reactor
NT1 cesar reactor
NT1 dfr reactor
NT1 dragon reactor
NT1 ebr-1 reactor
NT1 ebr-2 reactor
NT1 ebwr reactor
NT1 egcr reactor
NT1 el-1 reactor
NT1 eocr reactor
NT1 esada-vesr reactor
NT1 ewg-1 reactor
NT1 gcre reactor
NT1 hbwr reactor
NT1 hdr reactor
NT1 hre-2 reactor
NT1 htr-10 reactor
NT1 httr reactor
NT1 igr reactor
NT1 joyo reactor
NT1 jpdr reactor
NT1 kiwi-tnt reactor
NT1 knk reactor
NT1 knk-2 reactor
NT1 lampre-1 reactor
NT1 mh-1a reactor
NT1 mir reactor
NT1 msre reactor
NT1 nrx-a1 reactor
NT1 nrx-a2 reactor
NT1 nrx-a3 reactor
NT1 nrx-a4-est reactor
NT1 nrx-a5 reactor
NT1 nrx-a6 reactor
NT1 nrx-a7 reactor
NT1 omre reactor
NT1 rover reactors
NT1 sefor reactor
NT1 spert-1 reactor
NT1 spert-2 reactor
NT1 spert-3 reactor
NT1 spert-4 reactor
NT1 sre reactor
NT1 subcritical assemblies
NT2 pse reactor
NT2 stsf assembly
NT1 topaz reactor
NT1 tory-2a reactor
NT1 tory-2c reactor
NT1 treat reactor
NT1 tz1 reactor
NT1 tz2 reactor
NT1 uhtrex reactor
NT1 venus reactor
NT1 vhtr reactor
NT1 xe-2 reactor
NT1 xe-prime reactor
NT1 xma-1 reactor
NT1 zero power reactors
NT2 agata reactor
NT2 akr-1 reactor
NT2 anex reactor
NT2 anna reactor
NT2 apfa-3 reactor
NT2 aquilon reactor
NT2 bfs reactor
NT2 big ten reactor
NT2 cfrmf reactor
NT2 cml reactor
NT2 coral-1 reactor
NT2 crocus reactor
NT2 dca reactor
NT2 dimple reactor
NT2 ecel reactor
NT2 ermine reactor
NT2 etrc reactor
NT2 fca reactor
NT2 flattop reactor
NT2 fr-0 reactor
NT2 godiva reactor
NT2 hero reactor
NT2 hitrex-1 reactor
NT2 horace reactor
NT2 hwzpr reactor
NT2 iea-zpr reactor
NT2 ifr reactor
NT2 ipen-mb-1 reactor
NT2 jezebel reactor
NT2 juno reactor
NT2 kahter reactor
NT2 kbr-1 reactor
NT2 kritz reactor
NT2 kuca reactor
NT2 lptf reactor
NT2 lr-0 reactor
NT2 lvr-15 reactor
NT2 marius reactor
NT2 maryla reactor
NT2 masurca reactor
NT2 minerve reactor
NT2 neptune reactor

NT2 nsf-rfp reactor
NT2 or-cef reactor
NT2 ornl-pca reactor
NT2 parka reactor
NT2 pdp reactor
NT2 peggy reactor
NT2 pelinduna reactor
NT2 plasma core assembly
NT2 prcf reactor
NT2 ptf-unc reactor
NT2 purnima reactor
NT2 purnima-2 reactor
NT2 r-b reactor
NT2 ra-0 reactor
NT2 ra-2 reactor
NT2 ra-8 reactor
NT2 rake-2 reactor
NT2 rb-1 reactor
NT2 rb-3 reactor
NT2 rensselaer critical facility
NT2 ritmo reactor
NT2 rospo reactor
NT2 saref reactor
NT2 shca reactor
NT2 silene reactor
NT2 siloette reactor
NT2 sneak reactor
NT2 split table reactor
NT2 sr-oa reactor
NT2 stacy reactor
NT2 tca reactor
NT2 tr-0 reactor
NT2 tracy reactor
NT2 vera reactor
NT2 zebra reactor
NT2 zeep reactor
NT2 zenith reactor
NT2 zephyr reactor
NT2 zerlina reactor
NT2 zlfr reactor
NT2 zppr reactor
NT2 zpr reactor
NT2 zpr-3 reactor
NT2 zpr-6 reactor
NT2 zpr-9 reactor
NT2 zr-6 reactor
NT1 zrr reactor

experimental very high temperature gas cooled reactor

Use vhtr reactor

EXPERT SYSTEMS

INIS: Sep 1986; ETDE: Sep 1985
(Computer programs comprising a knowledge-based component, constructed from an expert skill, operating in such a way that the system can offer intelligent advice or make an intelligent decision about a processing function.)
RT artificial intelligence
RT data processing
RT knowledge base
RT machine translations
RT neural networks
RT programming

EXPLODING WIRES

BT1 wires
RT detonators

exploitation

See resource exploitation

EXPLORATION

NT1 geothermal exploration
RT aerial prospecting
RT electrical surveys
RT exploratory wells
RT geochemical surveys
RT geologic surveys
RT geophysical surveys
RT landsat satellites
RT magnetic surveys
RT petroleum geology
RT prospecting
RT radiometric surveys
RT remote sensing
RT resource potential

EXPLORATORY WELLS

INIS: Jul 1992; ETDE: Jan 1979
UF *test wells*
BT1 wells
RT boreholes
RT exploration
RT geothermal exploration
RT geothermal wells
RT natural gas wells
RT oil wells
RT well drilling

EXPLORER SATELLITES

BT1 satellites

EXPLOSION WELDING

*BT1 welding

EXPLOSIONS

(From February 1975 until March 1996 DETONATIONS was a valid ETDE descriptor.)
UF *blasts*
UF *detonations*
NT1 atmospheric explosions
NT2 ranger project
NT2 trinity event
NT1 chemical explosions
NT1 cratering explosions
NT2 sedan event
NT1 nuclear explosions
NT2 anvil project
NT2 arbor project
NT2 bedrock project
NT2 castle project
NT2 crossroads project
NT2 crosstie operation
NT3 gasbuggy event
NT2 dominic project
NT2 greenhouse project
NT2 grommet operation
NT2 hardtack project
NT2 latchkey operation
NT2 mandrel operation
NT2 nougat operation
NT2 plumbbob project
NT2 praetorian project
NT2 ranger project
NT2 sandstone project
NT2 sun beam operation
NT2 thermonuclear explosions
NT2 toggle operation
NT3 rio blanco event
NT2 trinity event
NT2 whetstone operation
NT1 surface explosions
NT1 underground explosions
NT2 arbor project
NT2 contained explosions
NT2 crosstie operation
NT3 gasbuggy event
NT2 grommet operation
NT2 latchkey operation
NT2 mandrel operation
NT2 nougat operation
NT2 sun beam operation
NT2 toggle operation
NT3 rio blanco event
NT2 whetstone operation
NT1 underwater explosions
RT accidents
RT blast effects
RT combustion waves
RT detonation waves
RT detonators
RT excavation
RT fires
RT implosions
RT molten metal-water reactions
RT natural disasters
RT seismic events
RT shock waves
RT spontaneous combustion

EXPLOSIVE FORMING

*BT1 materials working

EXPLOSIVE FRACTURING

INIS: Jan 1977; ETDE: Apr 1976
UF *blasting*
UF *shotfiring*
UF+ *solfrac process*
BT1 fracturing
RT chemical explosions
RT fractures
RT mining
RT nuclear explosions
RT underground explosions

EXPLOSIVE INSTABILITY

*BT1 plasma instability

EXPLOSIVE STIMULATION

(The use of chemical-or nuclear-explosive fracturing to increase reservoir production.)
UF *stimulation (explosive)*
UF *well shooting*
*BT1 well stimulation
RT chemical explosions
RT chimneys
RT enhanced recovery
RT nuclear explosions
RT oil shales
RT underground explosions

explosively-driven mhd generators

Use pulsed mhd generators

EXPLOSIVES

(From January 1975 till March 1997 PROPELLANTS was a valid ETDE descriptor.)
SF *propellants*
NT1 chemical explosives
NT2 dynamite
NT2 nitrocellulose
NT2 nitroglycerin
NT2 nitromethane
NT2 petn
NT2 picric acid
NT2 tatb
NT2 tetryl
NT2 tnt
NT1 nuclear explosives
RT ammunition
RT guns

exponential piles

Use subcritical assemblies

EXPORTS

INIS: Dec 1991; ETDE: Jul 1978
BT1 trade
RT domestic supplies
RT foreign policy
RT imports
RT sales
RT tariffs

exposure (radiation doses)

Use radiation doses

EXPOSURE CHAMBERS
INIS: Sep 1978; ETDE: Oct 1977
UF *atmospheric exposure chambers*
UF *environmental exposure chambers*
UF *inhalation exposure chambers*
RT controlled atmospheres

EXPOSURE RATEMETERS
UF *ratemeters (exposure)*
*BT1 radiation monitors
RT counting ratemeters
RT radiation monitoring

EXTENDED PARTICLE MODEL
*BT1 particle models
NT1 bag model
NT1 string models
NT2 superstring models
RT solitons

EXTENSIVE AIR SHOWERS
*BT1 cosmic showers
RT centauro-type events

EXTENSOMETERS
RT dilatometry
RT strain gages

EXTERNAL CONVERSION
BT1 conversion
RT energy levels

EXTERNAL IRRADIATION
BT1 irradiation
NT1 extracorporeal irradiation
NT1 partial body irradiation
NT1 whole-body irradiation
RT irradiation devices
RT irradiation plants
RT irradiation procedures
RT local fallout
RT local irradiation
RT personnel dosimetry
RT radiation protection
RT radioactive clouds
RT shielding

external magnetic fields
Use magnetic fields

EXTERNAL RECEIVERS
INIS: Apr 2000; ETDE: Feb 1982
(Solar receivers with absorbers on the outside surface.)
BT1 solar receivers

EXTERNAL ZONES
INIS: May 1984; ETDE: Jun 1984
(Areas immediately surrounding nuclear facility sites in which population distribution and density, and land and water uses, are considered with respect to the possibility of implementing emergency measures.)
RT emergency plans
RT evacuation
RT land use
RT nuclear facilities
RT population relocation
RT reactor sites
RT routing
RT site selection
RT water use

extinguishment
Use inhibition

EXTRACELLULAR SPACE
BT1 space
RT compartments
RT edema

EXTRACORPOREAL IRRADIATION
(In vivo irradiation of organ, tissue or body fluid while outside the body.)
*BT1 external irradiation
RT blood

EXTRACTION
INIS: Aug 1993; ETDE: Apr 1975
BT1 separation processes
NT1 deasphalting
NT1 reductive extraction
NT1 solvent extraction
NT2 phenosolvan process
NT2 supercritical gas extraction

extraction (beam)
Use beam extraction

extraction (heat)
Use heat extraction

extraction (solvent)
Use solvent extraction

EXTRACTION APPARATUSES
UF *centrifugal contactors*
*BT1 separation equipment
NT1 extraction columns
NT1 mist extractors
NT1 mixer-settlers
NT1 podbielniak contactors
RT coolant cleanup systems
RT entrainment
RT laboratory equipment
RT solvent extraction

EXTRACTION CHROMATOGRAPHY
*BT1 chromatography

EXTRACTION COLUMNS
UF *cascade (extraction)*
UF *chromatographic columns*
UF *columns (extraction)*
UF *pulse columns*
UF *towers (extraction)*
*BT1 extraction apparatuses
RT column packing

EXTRACTIVE METALLURGY
BT1 metallurgy
NT1 hydrometallurgy
NT1 pyrometallurgy
NT2 chloride volatility process
NT2 fluoride volatility process
RT electrometallurgy
RT refining

extrahigh voltage ac systems
Use ehv ac systems

extrahigh voltage alternating current systems
Use ehv ac systems

extrahigh voltage dc systems
Use ehv dc systems

extrahigh voltage direct current systems
Use ehv dc systems

EXTRAP-T2 DEVICE
INIS: Jul 1999; ETDE: Sep 1999
(External Ring Trap, Royal Institute of Technology, Sweden.)
*BT1 reversed-field pinch devices

EXTRAPOLATION
*BT1 numerical solution
RT extrapolation length
RT interpolation
RT mathematics

EXTRAPOLATION CHAMBERS
*BT1 dosemeters
*BT1 ionization chambers

EXTRAPOLATION LENGTH
*BT1 length
RT extrapolation
RT neutron transport theory

EXTREME ULTRAVIOLET RADIATION
(Wavelength range 400-100 A.)
UF *xuv*
*BT1 ultraviolet radiation
RT extreme ultraviolet spectra

EXTREME ULTRAVIOLET SPECTRA
INIS: Sep 1989; ETDE: Nov 1986
*BT1 ultraviolet spectra
RT absorption spectroscopy
RT electronic structure
RT extreme ultraviolet radiation
RT structural chemical analysis

EXTREME-VALUE PROBLEMS
INIS: Oct 1976; ETDE: Nov 1976
RT mathematics

extremely high frequency radiation
Use microwave radiation

EXTRUSION
*BT1 materials working
NT1 coextrusion
RT cold working
RT dies
RT hot working
RT presses
RT pressing

exxon donor solvent liquefaction
Use exxon liquefaction process

EXXON FUEL FABRICATION FACILITY
*BT1 fuel fabrication plants

EXXON GASIFICATION PROCESS
INIS: Apr 2000; ETDE: Sep 1976
(Coal is reacted with steam in a fluidized-bed gasifier at 1500-1700 degrees F. To provide the necessary heat, a stream of circulating char is withdrawn from the gasifier and partially burned with air in a char heater to raise its temperature. The heated char is returned to the gasifier after separation from the flue gas. The product gas is a medium-btu gas suitable for methanation to sng.)
*BT1 coal gasification
RT sng processes

EXXON LIQUEFACTION PROCESS
INIS: Apr 2000; ETDE: Sep 1976
(Crushed coal is slurried with a recycle solvent, preheated to about 800 degrees F, and then pumped into the liquefaction reactor operating at about 2,000 P.S.I. Preheated hydrogen is also added to the reactor. The product from the liquefaction reactor is sent to the separation step where gas, naphtha, recycle solvent, distillate, and heavy bottoms are separated by distillation.)
UF *eds liquefaction*
UF *exxon donor solvent liquefaction*
*BT1 coal liquefaction

exxon nuclear facility
See nuclear fuel recovery and recycling center

exxon recovery and recycle plant
Use nuclear fuel recovery and recycling center

eye cataracts
Use cataracts

EYES
UF *sclera*
UF+ *aqueous humor*
*BT1 face
*BT1 sense organs
NT1 conjunctiva
NT1 cornea
NT1 crystalline lens
NT1 lacrimal ducts
NT1 retina
NT1 uvea
RT ophthalmology
RT vision

ezeiza argentine ra-3 reactor
Use ra-3 reactor

ezeiza argentine ra-4 reactor
Use ra-4 reactor

F

F-1 REACTOR
INIS: Sep 1979; ETDE: Oct 1979
*BT1 graphite moderated reactors
*BT1 natural uranium reactors
*BT1 research reactors

f-1260 resonances
Use f2-1270 mesons

f-1514 resonances
Use f2 prime-1525 mesons

f-1540 resonances
Use mesons

f-2030 resonances
Use d s mesons

F CENTERS
*BT1 color centers

F-CHART
INIS: Apr 2000; ETDE: Oct 1979
(Performance measure used to determine fraction of total heating load provided by a particular solar collector.)
RT performance
RT solar collectors
RT solar heating systems
RT solar water heaters

F CODES
BT1 computer codes

f mesons
Use d s mesons

F REGION
*BT1 ionosphere
NT1 f1 layer
NT1 f2 layer
NT1 spread f
RT ionospheric storms

F STATES
BT1 energy levels

F WAVES
BT1 partial waves
RT angular momentum
RT quantum mechanics

f*resonances
Use d*s-2110 mesons

F0-1240 MESONS
INIS: Dec 1987; ETDE: Jan 1988
*BT1 scalar mesons

F0-1300 MESONS
INIS: Dec 1987; ETDE: Jan 1988
*BT1 scalar mesons

F0-1590 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 scalar mesons

F0-1730 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 scalar mesons

f0-975 mesons
Use f0-980 mesons

F0-980 MESONS
INIS: Sep 1975; ETDE: Aug 1995
(Until December 1987 this concept was indexed by S-993 RESONANCES; from then until July 1995 it was indexed by F0-975 MESONS.)
UF *f0-975 mesons*
UF *s-993 resonances*
*BT1 scalar mesons

F1-1285 MESONS
(Prior to December 1987 this concept was indexed by D-1285RESONANCES.)
UF *d-1285 resonances*
*BT1 axial vector mesons

F1-1420 MESONS
(Prior to December 1987 this concept was indexed by E-1422RESONANCES.)
UF *e-1422 resonances*
*BT1 axial vector mesons

F1-1510 MESONS
INIS: Dec 1987; ETDE: Aug 1995
(Until July 1995 this concept was indexed by F1-1530 MESONS.)
UF *f1-1530 mesons*
*BT1 axial vector mesons

f1-1530 mesons
Use f1-1510 mesons

F1 LAYER
*BT1 f region

F2-1270 MESONS
(Prior to December 1987 this concept was indexed by F-1260RESONANCES.)
UF *f-1260 resonances*
*BT1 tensor mesons

f2-1410 mesons
Use f2-1430 mesons

F2-1430 MESONS
INIS: Dec 1987; ETDE: Aug 1995
(Until July 1995 this concept was indexed by F2-1410 MESONS.)
UF *f2-1410 mesons*
*BT1 tensor mesons

f2-1525 mesons
Use f2 prime-1525 mesons

F2-1720 MESONS
INIS: Dec 1985; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by THETA-1690 RESONANCES.)
UF *theta-1640 resonances*
UF *theta-1690 resonances*
*BT1 tensor mesons

F2-1810 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 tensor mesons

F2-2010 MESONS
INIS: Jul 1995; ETDE: Jul 1995
*BT1 tensor mesons

F2-2300 MESONS
INIS: Jul 1995; ETDE: Jul 1995
*BT1 tensor mesons

F2-2340 MESONS
INIS: Jul 1995; ETDE: Jul 1995
*BT1 tensor mesons

F2 LAYER
*BT1 f region

F2 PRIME-1525 MESONS
(Until December 1987 this concept was indexed by F-1514 RESONANCES; from then until July 1995 it was indexed to F2-1525 MESONS.)
UF *f-1514 resonances*
UF *f2-1525 mesons*
*BT1 strangeonium
*BT1 tensor mesons

f4-2030 mesons
Use f4-2050 mesons

F4-2050 MESONS
INIS: Aug 1976; ETDE: Aug 1995
(Until December 1987 this concept was indexed by H-2050 RESONANCES; from then until July 1995 it was indexed by F4-2030 MESONS.)
UF *f4-2030 mesons*
UF *h-2050 resonances*
*BT1 tensor mesons

F4-2300 MESONS
(Prior to December 1987 this concept was indexed by U-2375RESONANCES.)
UF *u-2375 resonances*
*BT1 tensor mesons

F6-2510 MESONS
INIS: Jun 1984; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by R-2510RESONANCES.)
UF *r-2510 resonances*
*BT1 tensor mesons

FABRIC FILTERS
INIS: Mar 1992; ETDE: Oct 1978
BT1 filters
RT baghouses
RT dust collectors
RT pollution control equipment

FABRICATION
(Limited to the concepts of shaping and manufacturing, use of a more specific term is recommended; for large scale building see CONSTRUCTION.)
UF *building (manufacturing)*
NT1 casting
NT2 electroslag casting
NT2 slip casting
NT2 vacuum casting
NT1 compacting
NT1 joining
NT2 bonding
NT2 fastening
NT2 welding
NT3 arc welding
NT4 gas metal-arc welding
NT5 gas tungsten-arc welding
NT4 plasma arc welding
NT4 shielded metal-arc welding
NT4 submerged arc welding
NT3 brazing
NT3 diffusion welding
NT3 electron beam welding
NT3 electroslag welding
NT3 explosion welding
NT3 forge welding
NT3 friction welding
NT3 gas welding
NT3 induction welding
NT3 laser welding
NT3 magnetic force welding
NT3 resistance welding
NT4 flash welding
NT3 soldering
NT3 ultrasonic welding
NT3 vacuum welding
NT1 materials working
NT2 canning
NT2 cold working
NT3 shot peening
NT2 drawing
NT2 explosive forming
NT2 extrusion
NT3 coextrusion
NT2 forging
NT2 hot working
NT2 magnetic forming
NT2 pressing
NT3 cold pressing
NT3 hot pressing
NT2 rolling
NT2 swaging
NT2 thermomechanical treatments
NT1 molding
NT2 briquetting
NT2 pelletizing
NT1 sintering
RT computer-aided manufacturing
RT fuel fabrication plants
RT manufacturing
RT modular structures
RT production

FABRY-PEROT INTERFEROMETER
*BT1 interferometers

FACE
*BT1 head
NT1 eyes
NT2 conjunctiva
NT2 cornea
NT2 crystalline lens
NT2 lacrimal ducts
NT2 retina
NT2 uvea
NT1 nose
RT oral cavity
RT respirators
RT sinuses

face centered cubic
Use fcc lattices

facilities (accelerator)
Use accelerator facilities

facilities (educational)
Use educational facilities

facilities (energy)
Use energy facilities

facilities (maintenance)
Use maintenance facilities

facilities (military)
Use military facilities

facilities (nuclear)
Use nuclear facilities

facilities (resource recovery)
Use resource recovery facilities

facilities (storage)
Use storage facilities

facilities (terminal)
Use terminal facilities

facilities (test)
Use test facilities

facilities (underground)
Use underground facilities

facilities (underwater)
Use underwater facilities

FACOM COMPUTERS
INIS: Nov 1985; ETDE: Oct 1990
BT1 computers

FACTORIZATION
RT mathematics

FACULAE
BT1 solar activity
RT photosphere
RT plages

FADDEEV EQUATIONS
BT1 equations
RT lippmann-schwinger equation
RT multiple scattering
RT three-body problem

FAEROE ISLANDS
UF *faroe islands*
BT1 islands
RT atlantic ocean
RT denmark

FAILED ELEMENT DETECTION
UF *burst can detection*
UF *burst slug detection*
UF *detection (failed element)*
UF *fedal*
BT1 detection
RT failed element monitors
RT fuel cans
RT fuel element failure
RT fuel elements
RT fuel motion detection

FAILED ELEMENT MONITORS
UF *burst can monitors*
UF *burst slug monitors*
UF *monitors (failed elements)*
*BT1 monitors
RT failed element detection
RT fuel cans
RT fuel element failure
RT fuel elements
RT reactor monitoring systems

FAILURE MODE ANALYSIS
UF *event tree analysis*
*BT1 system failure analysis
RT markov process
RT reliability

failure propagation
See crack propagation
OR failures
OR system failure analysis

FAILURES
SF *failure propagation*
NT1 fractures
NT2 hydraulic fractures
NT2 thermal fractures
NT1 fuel element failure
NT1 ruptures
RT accidents
RT amoeba effect
RT corrosion
RT damage
RT electrical faults
RT fatigue
RT fracture properties
RT hazards
RT human factors
RT impact shock
RT leaks
RT outages
RT reliability
RT safety
RT systems analysis

FALLOUT
(For radioactive fallout only.)
UF *fragments (fallout)*
UF+ *fallout particulates*
NT1 fallout deposits
NT1 global fallout
NT1 local fallout
NT1 washout
RT accidents
RT aerial monitoring
RT aerosols
RT air
RT atmospheric precipitations
RT contamination
RT earth atmosphere
RT fission products
RT global aspects
RT nuclear explosions
RT nuclear weapons
RT particle resuspension
RT radiation hazards
RT radiation protection
RT radioactive aerosols
RT radioactive clouds
RT regional analysis
RT residence half-time
RT sedimentation
RT sunshine project
RT wind

FALLOUT DEPOSITS
BT1 fallout
RT environment

RT food chains
RT radionuclide migration
RT sedimentation
RT soils

fallout particulates
Use fallout
AND particles

FALLOUT SHELTERS
BT1 shelters
RT earth-covered buildings
RT local fallout
RT radiation protection
RT subsurface structures
RT underground facilities

FANO FACTOR
RT ionization
RT semiconductor materials

fano-lichten model
Use electron-promotion model

fans
Use blowers

FAO
UF *food and agriculture organization*
BT1 international organizations
RT agriculture
RT agris
RT food
RT united nations

FAR INFRARED RADIATION
(Wavelength range 50-1000 microns)
*BT1 infrared radiation

FAR ULTRAVIOLET RADIATION
(Wavelength range 2000-400 A.)
UF *vacuum ultraviolet radiation*
*BT1 ultraviolet radiation

faraday cages
Use faraday cups

FARADAY CUPS
UF *faraday cages*
*BT1 beam monitors
RT beam currents
RT electric measuring instruments

FARADAY CURRENT
*BT1 electric currents

FARADAY EFFECT
UF *faraday rotation*
RT electromagnetic radiation
RT magneto-optical effects
RT polarization

faraday generators
Use mhd generators

FARADAY INDUCTION
BT1 induction

FARADAY LAWS
RT electrolysis

FARADAY METHOD
RT magnetic fields

faraday rotation
Use faraday effect

FARLEY-1 REACTOR
(Dothan, Alabama, USA)
UF *joseph m. farley-1 reactor*
*BT1 pwr type reactors

FARLEY-2 REACTOR
(Dothan, Alabama, USA)
UF *joseph m. farley-2 reactor*
*BT1 pwr type reactors

farm animals
Use domestic animals

FARM EQUIPMENT
INIS: Apr 2000; ETDE: Jun 1977
BT1 equipment
RT farms
RT harvesting equipment

FARMS
INIS: Sep 1992; ETDE: Jun 1977
RT agriculture
RT biomass plantations
RT cooperatives
RT farm equipment
RT land use

faroe islands
Use faeroe islands

FASCIA
*BT1 connective tissue

FASCIOLA
*BT1 trematodes
RT fascioliasis

FASCIOLIASIS
*BT1 parasitic diseases
RT fasciola

fast breeder blanket facility (fbbf)
Use subcritical assemblies

fast breeder test reactor (kalpakkam)
Use kalpakkam lmfbr reactor

fast breeder type reactors
Use fbr type reactors

fast burst reactor facility
Use fbrf reactor

fast experimental breeder reactor japan
Use joyo reactor

FAST FISSION
*BT1 fission
*BT1 neutron reactions
RT fast fission factor
RT fast neutrons

FAST FISSION FACTOR
RT fast fission
RT fast reactors
RT fission
RT multiplication factors

fast flux test facility
Use fftf reactor

fast flux test facility reactor
Use fftf reactor

FAST MAGNETOACOUSTIC WAVES
*BT1 magnetoacoustic waves
RT transit-time magnetic pumping

fast-mixed spectrum reactor
Use fbr type reactors
AND mixed spectrum reactors

FAST NEUTRONS
*BT1 neutrons
RT fast fission
RT fast reactors
RT nisus facility

fast prototype reactor japan
Use monju reactor

fast reactor core test facility
Use frctf reactor

FAST REACTORS
SF *710 reactor*
SF *fcel reactor*
*BT1 epithermal reactors
NT1 actinide burner reactors
NT1 afsr reactor
NT1 aprf reactor
NT1 bfs reactor
NT1 bigr reactor
NT1 bir reactor
NT1 cefr reactor
NT1 cfrmf reactor
NT1 clementine reactor
NT1 coral-1 reactor
NT1 ecel reactor
NT1 fbr type reactors
NT2 aipfr reactor
NT2 gcfr type reactors
NT3 gcfr reactor
NT2 lmfbr type reactors
NT3 beloyarsk-3 reactor
NT3 beloyarsk-4 reactor
NT3 bn-1600 reactor
NT3 bn-350 reactor
NT3 bn-800 reactor
NT3 bor-60 reactor
NT3 cdfr reactor
NT3 clinch river breeder reactor
NT3 dfr reactor
NT3 ebr-1 reactor
NT3 ebr-2 reactor
NT3 enrico fermi-1 reactor
NT3 joyo reactor
NT3 kalpakkam lmfbr reactor
NT3 monju reactor
NT3 pfr reactor
NT3 phenix reactor
NT3 plbr reactor
NT3 rapsodie reactor
NT3 sbr-1 reactor
NT3 sbr-2 reactor
NT3 sbr-5 reactor
NT3 snr reactor
NT3 snr-2 reactor
NT3 super phenix reactor
NT2 pec brasimone reactor
NT2 zebra reactor
NT1 fbrf reactor
NT1 fca reactor
NT1 fftf reactor
NT1 fr-0 reactor
NT1 harmonie reactor
NT1 hprr reactor
NT1 ibr-2 reactor
NT1 ibr-30 reactor
NT1 ifr reactor
NT1 kalpakkam pfr reactor
NT1 kbr-1 reactor
NT1 knk-2 reactor
NT1 lampre-1 reactor
NT1 masurca reactor
NT1 purnima reactor
NT1 purnima-2 reactor
NT1 saref reactor
NT1 sefor reactor
NT1 sneak reactor
NT1 sora reactor
NT1 stf reactor
NT1 tapiro reactor

NT1 tibr reactor
NT1 vera reactor
NT1 viper reactor
NT1 wntr reactor
NT1 yayoi reactor
NT1 zephyr reactor
NT1 zppr reactor
NT1 zpr-3 reactor
NT1 zpr-6 reactor
NT1 zpr-9 reactor
NT1 zrr reactor
RT fast fission factor
RT fast neutrons

fast source reactor aec
Use afsr reactor

FASTBUS SYSTEM
INIS: Sep 1983; ETDE: Mar 1983
RT camac system
RT computers
RT data acquisition systems
RT equipment interfaces
RT nuclear instrument modules
RT on-line control systems
RT on-line measurement systems

FASTENERS
UF *bolts*
UF *nuts (mechanical)*
UF *rivets*
UF *screws*
UF *studs*
RT anchors
RT couplings
RT fastening
RT joining
RT restraints

FASTENING
UF *anchoring*
UF *bolting*
UF *connecting*
UF *riveting*
UF *screwing*
*BT1 joining
RT fasteners
RT joints

FASTING
UF *starvation*
RT biological stress
RT diet
RT metabolism

FAT CELLS
*BT1 connective tissue cells
RT adipose tissue
RT leptin

FATHEAD MINNOW
INIS: Jul 1993; ETDE: Aug 1984
UF *pimephales promelas*
*BT1 fishes
RT fresh water
RT ichthyoplankton

FATIGUE
BT1 mechanical properties
NT1 corrosion fatigue
NT1 thermal fatigue
RT crack propagation
RT damage
RT failures
RT s-n diagram

fatigue (biological)
Use biological fatigue

FATS
UF+ *butter fat*
RT adipose tissue
RT food
RT leptin
RT lipids

fatty acids
Use carboxylic acids

faucets (water)
Use water faucets

FAUJASITE
INIS: Apr 2000; ETDE: Jul 1979
*BT1 zeolites

fault liability
Use liabilities

FAULT TOLERANT COMPUTERS
INIS: Nov 1988; ETDE: Jan 1986
(Systems which have the ability to produce correct resultseven in the presence of a fault.)
*BT1 digital computers
RT computerized control systems
RT programming
RT reliability

FAULT TREE ANALYSIS
UF *fault tree systems*
*BT1 system failure analysis
RT control
RT monte carlo method
RT planning
RT probabilistic estimation
RT statistics

fault tree systems
Use fault tree analysis

faultless event
Use nuclear explosions
AND underground explosions

faults (geologic)
Use geologic faults

faure cyclotron
Use nac cyclotron

fbh process
Use fluidized bed hydrogenation process

fbi
Use federal bureau of investigation

FBR TYPE REACTORS
UF *fast breeder type reactors*
UF+ *fast-mixed spectrum reactor*
*BT1 breeder reactors
*BT1 fast reactors
NT1 aipfr reactor
NT1 gcfr type reactors
NT2 gcfr reactor
NT1 lmfbr type reactors
NT2 beloyarsk-3 reactor
NT2 beloyarsk-4 reactor
NT2 bn-1600 reactor
NT2 bn-350 reactor
NT2 bn-800 reactor
NT2 bor-60 reactor
NT2 cdfr reactor
NT2 clinch river breeder reactor
NT2 dfr reactor
NT2 ebr-1 reactor
NT2 ebr-2 reactor
NT2 enrico fermi-1 reactor
NT2 joyo reactor
NT2 kalpakkam lmfbr reactor
NT2 monju reactor
NT2 pfr reactor
NT2 phenix reactor
NT2 plbr reactor
NT2 rapsodie reactor
NT2 sbr-1 reactor
NT2 sbr-2 reactor
NT2 sbr-5 reactor
NT2 snr reactor
NT2 snr-2 reactor
NT2 super phenix reactor
NT1 pec brasimone reactor
NT1 zebra reactor
RT civex process
RT heterogeneous reactor cores
RT power reactors

FBRF REACTOR
(Fast Burst Reactor Facility, White Sands Missile Range, New Mexico, USA)
UF *fast burst reactor facility*
*BT1 fast reactors
*BT1 pulsed reactors
*BT1 research reactors

fbtr reactor (kalpakkam)
Use kalpakkam lmfbr reactor

FCA REACTOR
UF *tokai-mura fast critical assembly*
*BT1 fast reactors
*BT1 zero power reactors

FCC LATTICES
UF *face centered cubic*
*BT1 cubic lattices

fcel reactor
See fast reactors
OR zero power reactors

fdr reactor
Use otto hahn reactor

FEASIBILITY STUDIES
UF+ *mission analysis*
RT bench-scale experiments
RT commercialization
RT comparative evaluations
RT design
RT economics
RT efficiency
RT evaluation
RT field tests
RT implementation
RT performance
RT planning
RT productivity
RT technology assessment
RT technology utilization
RT testing

FEATHERS
RT birds
RT skin

FECES
*BT1 biological wastes
RT body fluids
RT excretion
RT large intestine
RT proteus
RT rectum

fedal
Use failed element detection

federal assistance programs
Use us federal assistance programs

federal aviation administration
Use us faa

federal buildings
Use government buildings

FEDERAL BUREAU OF INVESTIGATION
INIS: Apr 2000; ETDE: Dec 1979
UF *fbi*
*BT1 us doj

federal driving cycle
Use federal test procedure

federal emergency management agency
Use us fema

federal energy administration
Use us fea

federal energy regulatory commission
Use us ferc

federal expenditures
Use expenditures
AND national government

federal government
Use national government

federal power commission
Use us federal power commission

FEDERAL RADIATION COUNCIL
UF *frc*
*BT1 us organizations
RT radiation protection
RT radiation protection laws
RT safety standards

federal region i
Use usa

federal region ii
Use usa

federal region iii
Use usa

federal region iv
Use usa

federal region ix
Use usa

federal region v
Use usa

federal region vi
Use usa

federal region vii
Use usa

federal region viii
Use usa

federal region x
Use usa

FEDERAL REPUBLIC OF GERMANY
UF *german democratic republic*
UF *german federal republic*
UF *germany*
UF *germany (democratic republic)*
UF *germany (federal republic)*
UF *west germany*
BT1 developed countries
*BT1 western europe
RT alps
RT asse salt mine
RT danube river
RT erzgebirge deposit
RT german fr organizations
RT oecd
RT rhine river
RT urach geothermal field

FEDERAL TEST PROCEDURE
INIS: Apr 2000; ETDE: Nov 1975
(Test procedures for exhaust emissions and fuel economy.)
UF *federal driving cycle*
RT engines
RT exhaust gases
RT performance testing
RT pollution regulations

federal water pollution control act
Use clean water acts

federation of malaya
Use malaysia

FEED MATERIALS PLANTS
INIS: Jun 1976; ETDE: Jun 1975
(Plants for the production of refined uranium or plutonium metal or their pure compounds in a form suitable for use in nuclear reactor fuel elements or as feed for uranium enrichment processes.)
UF *anaconda uranium mill*
UF *highland uranium mill*
UF *shirley basin uranium mill*
UF *uranium mills*
BT1 industrial plants
BT1 nuclear facilities
NT1 feed materials production center
NT1 west valley uf6 facility
RT fuel cycle centers
RT uranium
RT uranium concentrates

FEED MATERIALS PRODUCTION CENTER
(Fernald, Ohio.)
UF *fernald production plant*
*BT1 feed materials plants
*BT1 us aec
*BT1 us doe
*BT1 us erda
RT ohio

FEEDBACK
RT closed-loop control
RT control
RT control theory
RT nyquist diagrams
RT servomechanisms

FEEDING
NT1 grazing
RT diet
RT food
RT nutrients

FEEDWATER
*BT1 water
RT auxiliary water systems
RT boilers
RT deaerators
RT demineralization
RT feedwater heaters
RT reactor cooling systems
RT steam generators
RT water chemistry

FEEDWATER HEATERS
BT1 heaters
RT feedwater
RT reactor cooling systems

fees
Use charges

FEET
*BT1 legs

feinberg-pais theory
See leptons
OR weak interactions

FELDSPARS
(A group of abundant rock-forming minerals. From November1976 till February 1997 ALBITE was a valid ETDE descriptor; from June 1977 till March 1996 MICROCLINE was a valid ETDE descriptor.)
UF *albite*
UF *microcline*
*BT1 silicate minerals
NT1 anorthite
NT1 orthoclase
RT anorthosites
RT aplites
RT basalt
RT gabbros
RT granites
RT granodiorites
RT pegmatites
RT quartz monzonite
RT rhyolites
RT shales
RT syenites

FELIX FACILITY
INIS: Jan 1992; ETDE: Jun 1983
(Experimental test facility at Argonne National Laboratory, USA, for the study of electromagnetic effects in fusion reactor materials.)
UF *fusion electromagnetic induction experiment*
BT1 test facilities
RT thermonuclear reactors

FEMALE GENITALS
UF *genitals (female)*
UF *vagina*
*BT1 organs
NT1 ovaries
NT1 uterus
RT estrous cycle
RT fertility
RT gonads
RT gynecology
RT menstrual cycle
RT menstruation disorders
RT pelvis
RT reproduction
RT sex
RT urogenital system diseases

FEMALES
NT1 women
RT animals
RT sex
RT sex dependence

FEMUR
*BT1 skeleton
RT legs

FERC GAS AREAS
INIS: Apr 2000; ETDE: Dec 1979
UF *fpc gas areas*
RT natural gas distribution systems
RT natural gas industry
RT us ferc

FERGHANITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 uranium minerals
RT uranium oxides

RT vanadium oxides

FERMAT PRINCIPLE
RT wave propagation

FERMENTATION
(From October 1978 to February 1997 CELL RECYCLE was a valid ETDE descriptor.)
UF+ *biothermohol process*
SF *cell recycle*
SF *microbial processes*
BT1 bioconversion
NT1 vacuum fermentation
RT anaerobic digestion
RT batch culture
RT biochemistry
RT biological pathways
RT chemical reactions
RT clostridium thermocellum
RT continuous culture
RT distillers dried grains
RT mesophilic conditions
RT saccharification
RT semibatch culture
RT stillage
RT thermophilic conditions

fermentation alcohol
Use ethanol

fermi age
Use fermi age theory
AND neutron age

FERMI AGE THEORY
UF+ *fermi age*
BT1 neutron slowing-down theory
RT neutron age
RT slowing-down

fermi beta theory
Use fermi interactions

fermi constants
Use fermi interactions

fermi diagram
Use fermi plot

fermi-dirac gas
Use fermi gas

fermi-dirac statistics
Use fermi statistics

fermi fluid
Use fermi gas

FERMI GAS
UF *fermi fluid*
UF *fermi liquid*
UF *fermi-dirac gas*
RT bose-einstein gas
RT electron gas
RT fermi statistics
RT gases

FERMI GAS MODEL
*BT1 nuclear models

FERMI INTERACTIONS
UF *fermi beta theory*
UF *fermi constants*
UF *fermi pseudopotential*
UF *fermi-weizsaecker formula*
UF *four-fermion interaction*
*BT1 weak interactions
RT primakoff theory
RT v-a theory

fermi-kurie plot
Use fermi plot

FERMI LEVEL
UF *fermi surface*
BT1 energy levels
RT band theory
RT cooper pairs

fermi liquid
Use fermi gas

FERMI PLOT
UF *fermi diagram*
UF *fermi-kurie plot*
UF *kurie plot*
*BT1 diagrams
RT beta decay

fermi pseudopotential
Use fermi interactions

FERMI RESONANCE
BT1 resonance

FERMI-SEGRE FORMULA
RT magnetic moments

FERMI STATISTICS
INIS: Sep 1975; ETDE: Oct 1975
UF *fermi-dirac statistics*
RT bose-einstein statistics
RT fermi gas
RT fermions
RT parastatistics
RT statistical mechanics

fermi surface
Use fermi level

fermi-thomas model
Use thomas-fermi model

fermi-weizsaecker formula
Use fermi interactions

FERMILAB
INIS: Jan 1995; ETDE: Jan 1995
*BT1 us doe
RT illinois

FERMILAB ACCELERATOR
INIS: Feb 1976; ETDE: Nov 1975
(Facility at Fermi National Accelerator Laboratory, Batavia, Illinois, includes main synchrotron, booster synchrotron, and linac.)
UF *nal synchrotron*
UF *national accelerator laboratory*
*BT1 synchrotrons
RT fermilab tevatron
RT popae storage ring

FERMILAB COLLIDER DETECTOR
INIS: Dec 1991; ETDE: Jan 1992
(Detector to study proton-antiproton collisions at 2 TeV center-of-mass energy.)
UF *cdf*
UF *collider detector at fermilab*
*BT1 radiation detectors
RT drift chambers
RT projection spark chambers
RT shower counters

FERMILAB TEVATRON
INIS: Feb 1984; ETDE: Mar 1984
(TeV range proton synchrotron at Fermi National Accelerator Laboratory.)
UF *tevatron*
UF *tevatron (fermilab)*
*BT1 synchrotrons
RT fermilab accelerator

fermion-boson symmetry
Use boson-fermion symmetry

FERMIONS
NT1 baryons
NT2 antibaryons
NT3 antihyperons
NT4 antilambda particles
NT4 antiomega particles
NT4 antisigma particles
NT4 antixi particles
NT3 antinucleons
NT4 antineutrons
NT4 antiprotons
NT2 beauty baryons
NT3 lambda b neutral baryons
NT2 charmed baryons
NT3 lambda c plus baryons
NT3 lambda c-2625 baryons
NT3 omega c neutral baryons
NT3 sigma c-2455 baryons
NT3 xi c neutral baryons
NT3 xi c plus baryons
NT2 dibaryons
NT3 dineutrons
NT3 diprotons
NT3 lambda-n-2130 dibaryons
NT3 nn-2170 dibaryons
NT3 nn-2250 dibaryons
NT2 hyperons
NT3 antihyperons
NT4 antilambda particles
NT4 antiomega particles
NT4 antisigma particles
NT4 antixi particles
NT3 lambda baryons
NT4 lambda particles
NT5 antilambda particles
NT4 lambda-1405 baryons
NT4 lambda-1520 baryons
NT4 lambda-1600 baryons
NT4 lambda-1670 baryons
NT4 lambda-1690 baryons
NT4 lambda-1800 baryons
NT4 lambda-1810 baryons
NT4 lambda-1820 baryons
NT4 lambda-1830 baryons
NT4 lambda-1890 baryons
NT4 lambda-2100 baryons
NT4 lambda-2110 baryons
NT3 lambda-n-2130 dibaryons
NT3 omega baryons
NT4 omega particles
NT5 antiomega particles
NT5 omega minus particles
NT4 omega-2250 baryons
NT3 sigma baryons
NT4 sigma particles
NT5 antisigma particles
NT5 sigma minus particles
NT5 sigma neutral particles
NT5 sigma plus particles
NT4 sigma-1385 baryons
NT4 sigma-1660 baryons
NT4 sigma-1670 baryons
NT4 sigma-1750 baryons
NT4 sigma-1770 baryons
NT4 sigma-1775 baryons
NT4 sigma-1915 baryons
NT4 sigma-1940 baryons
NT4 sigma-2030 baryons
NT4 sigma-2455 baryons
NT3 xi baryons
NT4 xi particles
NT5 antixi particles
NT5 xi minus particles
NT5 xi neutral particles
NT4 xi-1530 baryons
NT4 xi-1690 baryons

NT4 xi-1820 baryons
NT4 xi-1950 baryons
NT4 xi-2030 baryons
NT4 xi-2250 baryons
NT4 xi-2500 baryons
NT3 z*baryons
NT2 n*baryons
NT3 delta baryons
NT4 delta-1232 baryons
NT4 delta-1600 baryons
NT4 delta-1620 baryons
NT4 delta-1700 baryons
NT4 delta-1900 baryons
NT4 delta-1905 baryons
NT4 delta-1910 baryons
NT4 delta-1920 baryons
NT4 delta-1930 baryons
NT4 delta-1950 baryons
NT4 delta-2000 baryons
NT4 delta-2150 baryons
NT4 delta-2200 baryons
NT4 delta-2400 baryons
NT4 delta-2420 baryons
NT4 delta-3000 baryons
NT3 n baryons
NT4 n-1440 baryons
NT4 n-1520 baryons
NT4 n-1535 baryons
NT4 n-1650 baryons
NT4 n-1675 baryons
NT4 n-1680 baryons
NT4 n-1700 baryons
NT4 n-1710 baryons
NT4 n-1720 baryons
NT4 n-1960 baryons
NT4 n-1990 baryons
NT4 n-2000 baryons
NT4 n-2080 baryons
NT4 n-2100 baryons
NT4 n-2190 baryons
NT4 n-2250 baryons
NT4 n-3000 baryons
NT2 nucleons
NT3 antinucleons
NT4 antineutrons
NT4 antiprotons
NT3 neutrons
NT4 antineutrons
NT4 beta-delayed neutrons
NT4 cold neutrons
NT5 ultracold neutrons
NT4 cosmic neutrons
NT4 epithermal neutrons
NT4 fast neutrons
NT4 fission neutrons
NT5 delayed neutrons
NT5 prompt neutrons
NT4 intermediate neutrons
NT4 photoneutrons
NT4 pile neutrons
NT4 polyneutrons
NT5 dineutrons
NT5 tetraneutrons
NT5 trineutrons
NT4 resonance neutrons
NT4 slow neutrons
NT4 solar neutrons
NT4 thermal neutrons
NT3 photonucleons
NT4 photoneutrons
NT4 photoprotons
NT3 protons
NT4 antiprotons
NT4 cosmic protons
NT4 delayed protons
NT4 diprotons
NT4 photoprotons
NT4 prompt protons
NT4 solar protons
NT4 trapped protons
NT1 leptons
NT2 antileptons
NT3 antineutrinos
NT4 electron antineutrinos
NT4 muon antineutrinos
NT3 muons plus
NT3 positrons
NT4 cosmic positrons
NT2 electrons
NT3 cosmic electrons
NT3 exoelectrons
NT3 prompt electrons
NT3 runaway electrons
NT3 solar electrons
NT3 solvated electrons
NT3 tail electrons
NT3 trapped electrons
NT2 heavy leptons
NT3 heavy neutral muons
NT3 tau neutrinos
NT3 tau particles
NT2 muons
NT3 cosmic muons
NT3 muons minus
NT3 muons plus
NT2 neutrinos
NT3 antineutrinos
NT4 electron antineutrinos
NT4 muon antineutrinos
NT3 cosmic neutrinos
NT3 electron neutrinos
NT4 electron antineutrinos
NT3 muon neutrinos
NT4 muon antineutrinos
NT3 solar neutrinos
NT3 tau neutrinos
NT1 quarks
NT2 b quarks
NT2 c quarks
NT2 d quarks
NT2 s quarks
NT2 t quarks
NT2 u quarks
RT boson-fermion symmetry
RT fermi statistics

FERMIUM

*BT1 actinides
*BT1 transplutonium elements

FERMIUM 242

INIS: Mar 1976; ETDE: Nov 1975
*BT1 actinide nuclei
*BT1 even-even nuclei
*BT1 fermium isotopes
*BT1 microseconds living radioisotopes
*BT1 spontaneous fission radioisotopes

FERMIUM 243

INIS: Jun 1986; ETDE: Mar 1982
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 fermium isotopes
*BT1 milliseconds living radioisotopes

FERMIUM 244

*BT1 actinide nuclei
*BT1 even-even nuclei
*BT1 fermium isotopes
*BT1 milliseconds living radioisotopes
*BT1 spontaneous fission radioisotopes

FERMIUM 245

*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 fermium isotopes
*BT1 seconds living radioisotopes

FERMIUM 246

*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 fermium isotopes
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

FERMIUM 247

*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 fermium isotopes
*BT1 seconds living radioisotopes

FERMIUM 248

*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 fermium isotopes
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

FERMIUM 249

*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 fermium isotopes
*BT1 minutes living radioisotopes

FERMIUM 250

*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 fermium isotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

FERMIUM 251

*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 fermium isotopes
*BT1 hours living radioisotopes

FERMIUM 252

*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 fermium isotopes
*BT1 spontaneous fission radioisotopes

FERMIUM 253

*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 fermium isotopes

FERMIUM 253 TARGET

INIS: May 1980; ETDE: May 1980
BT1 targets

FERMIUM 254

*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 fermium isotopes
*BT1 hours living radioisotopes
*BT1 spontaneous fission radioisotopes

FERMIUM 254 TARGET

BT1 targets

FERMIUM 255
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 fermium isotopes
*BT1 hours living radioisotopes
*BT1 spontaneous fission radioisotopes

FERMIUM 255 TARGET
BT1 targets

FERMIUM 256
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 fermium isotopes
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 nanoseconds living radioisotopes
*BT1 spontaneous fission radioisotopes

FERMIUM 256 TARGET
INIS: May 1980; ETDE: May 1980
BT1 targets

FERMIUM 257
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 fermium isotopes
*BT1 spontaneous fission radioisotopes

FERMIUM 257 TARGET
INIS: Mar 1976; ETDE: Jul 1976
BT1 targets

FERMIUM 258
*BT1 actinide nuclei
*BT1 even-even nuclei
*BT1 fermium isotopes
*BT1 microseconds living radioisotopes
*BT1 spontaneous fission radioisotopes

FERMIUM 258 TARGET
INIS: May 1980; ETDE: May 1980
BT1 targets

FERMIUM 259
*BT1 actinide nuclei
*BT1 even-odd nuclei
*BT1 fermium isotopes
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

FERMIUM 259 TARGET
INIS: May 1980; ETDE: May 1980
BT1 targets

FERMIUM 260 TARGET
INIS: May 1980; ETDE: May 1980
BT1 targets

FERMIUM BROMIDES
INIS: Apr 2000; ETDE: Oct 1987
*BT1 bromides
*BT1 fermium compounds

fermium chlorides
Use chlorides
AND fermium compounds

FERMIUM COMPLEXES
*BT1 actinide complexes
*BT1 transuranium complexes

FERMIUM COMPOUNDS
UF+ *fermium chlorides*
UF+ *fermium iodides*
UF+ *fermium oxides*
BT1 actinide compounds
*BT1 transplutonium compounds
NT1 fermium bromides

fermium iodides
Use fermium compounds
AND iodides

FERMIUM IONS
*BT1 ions

FERMIUM ISOTOPES
BT1 isotopes
NT1 fermium 242
NT1 fermium 243
NT1 fermium 244
NT1 fermium 245
NT1 fermium 246
NT1 fermium 247
NT1 fermium 248
NT1 fermium 249
NT1 fermium 250
NT1 fermium 251
NT1 fermium 252
NT1 fermium 253
NT1 fermium 254
NT1 fermium 255
NT1 fermium 256
NT1 fermium 257
NT1 fermium 258
NT1 fermium 259

fermium oxides
Use fermium compounds
AND oxides

fernald production plant
Use feed materials production center

FERNS
UF+ *azolla*
BT1 plants

ferranti computers
Use computers

FERRATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 iron compounds
BT1 oxygen compounds
RT iron oxides

FERREDOXIN
INIS: Aug 1993; ETDE: Jul 1978
*BT1 metalloproteins
RT rubredoxin

ferric compounds
Use iron compounds

FERRICYANIDES
UF *cyanoferrates*
*BT1 iron complexes

FERRIMAGNETIC MATERIALS
UF *materials (ferrimagnetic)*
*BT1 magnetic materials
NT1 ferrites
RT ferrimagnetic resonance
RT ferrimagnetism
RT ferrite garnets
RT perovskites

FERRIMAGNETIC RESONANCE
INIS: Sep 1977; ETDE: Oct 1977
*BT1 magnetic resonance
RT ferrimagnetic materials
RT ferrimagnetism

FERRIMAGNETISM
BT1 magnetism
RT antiferromagnetism
RT ferrimagnetic materials
RT ferrimagnetic resonance
RT ferromagnetism

FERRITE
(A solid solution of carbon in alpha-iron.)
*BT1 carbon additions
*BT1 iron alloys
RT ferritic steels
RT iron-alpha
RT magnetite
RT martensite
RT pearlite
RT solid solutions
RT steel-cr2moninb
RT steels

FERRITE GARNETS
(Minerals with the general formula Y3M5O12, where Y is yttrium or other rare earth, and M is usually iron, but may be another metal. For silicate garnets use GARNETS.)
UF *iron garnets*
UF+ *yttrium aluminium garnets*
*BT1 oxide minerals
RT ferrimagnetic materials
RT garnets

FERRITES
(Specific compounds should be indexed by coordination of adescriptor of the form (cation) compounds and the above anion descriptor.)
*BT1 ferrimagnetic materials
*BT1 iron compounds
BT1 oxygen compounds
RT iron oxides

FERRITIC STEELS
INIS: May 1979; ETDE: Sep 1979
*BT1 steels
NT1 steel-cr12moniv
NT1 steel-cr13al
NT2 stainless steel-405
NT1 steel-cr16
NT2 stainless steel-430
NT1 steel-cr25
NT2 stainless steel-446
NT1 steel-cr9mo
NT1 steel-cr9monbv
RT corrosion resistant alloys
RT ferrite

FERRITIN
*BT1 iron complexes
*BT1 metalloproteins
RT hemosiderin
RT iron

ferroan
See carbonates

ferrobacillus ferrooxidans
Use bacillus

FERROCENE
*BT1 dienes
*BT1 iron complexes

FERROCYANIDES
UF+ *prussian blue*
*BT1 iron complexes

FERROELECTRIC CONVERTERS
INIS: Apr 2000; ETDE: Mar 1977
BT1 direct energy converters
RT ferroelectric materials

FERROELECTRIC MATERIALS
UF *materials (ferroelectric)*
*BT1 dielectric materials
RT antiferroelectric materials
RT ferroelectric converters

ferrofluids
Use liquids
AND magnetic materials

FERROIN
*BT1 phenanthrolines
BT1 reagents
RT iron complexes
RT phenanthroline-ortho

FERROMAGNETIC MATERIALS
UF *materials (ferromagnetic)*
*BT1 magnetic materials
RT antiferromagnetic materials
RT ferromagnetic resonance
RT magnetic semiconductors
RT spin glass state

FERROMAGNETIC RESONANCE
INIS: May 1976; ETDE: Aug 1976
*BT1 magnetic resonance
RT ferromagnetic materials
RT ferromagnetism

FERROMAGNETISM
UF+ *nuclear ferromagnetism*
BT1 magnetism
NT1 mictomagnetism
RT antiferromagnetism
RT curie point
RT ferrimagnetism
RT ferromagnetic resonance
RT heisenberg model
RT hubbard model

FERRON
*BT1 hydroxy compounds
*BT1 organic iodine compounds
*BT1 quinolines
BT1 reagents
*BT1 sulfonic acids

ferrous compounds
Use iron compounds

ferrox process
Use desulfurization

FERSMITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 radioactive minerals

FERTILE MATERIALS
(Materials containing nuclides capable of being transformed into fissile nuclides by neutron capture.)
BT1 materials
RT breeding blankets
RT nuclear fuel conversion
RT nuclear fuels

FERTILITY
RT female genitals
RT fertilization
RT gonads
RT male genitals
RT menopause
RT menstrual cycle
RT progeny
RT reproduction
RT reproductive disorders
RT sterility

FERTILIZATION
INIS: Dec 1986; ETDE: Oct 1977
RT fertility
RT gametes
RT ova
RT ovulation
RT reproduction
RT zygotes

FERTILIZER INDUSTRY
INIS: Jan 1993; ETDE: Aug 1977
BT1 industry
RT agriculture

FERTILIZERS
NT1 superphosphates
RT agriculture
RT eutrophication
RT nitrogen cycle
RT nutrients
RT plants
RT soil chemistry
RT soil conservation

feshbach-porter-weisskopf model
Use optical models

FESHBACH-WEISSKOPF MODEL
RT nuclear reactions

FESSENHEIM-1 REACTOR
(Fessenheim, Haut-Rhine, France)
*BT1 pwr type reactors

FESSENHEIM-2 REACTOR
(Fessenheim, Haut-Rhine, France)
*BT1 power reactors

FETAL MEMBRANES
UF *amnion*
UF *chorioallantoic membrane*
BT1 membranes
NT1 placenta
RT embryos
RT fetuses

FETUSES
RT age groups
RT amniotic fluid
RT congenital malformations
RT embryos
RT fetal membranes
RT ontogenesis
RT pregnancy
RT prenatal exposure
RT prenatal irradiation
RT teratogens
RT uterus

FEULGEN METHOD
RT cytochemistry
RT dna

FEVER
BT1 symptoms
RT antipyretics
RT body temperature
RT heat stress
RT hyperthermia
RT pyrogens

FEYNMAN DIAGRAM
*BT1 diagrams
RT quantum field theory

FEYNMAN GAS MODEL
*BT1 particle models
*BT1 statistical models

FEYNMAN-GELL-MANN THEORY
RT beta decay
RT neutrinos

FEYNMAN METHOD
UF *welton method*
BT1 calculation methods
RT neutron transport theory
RT transport theory

FEYNMAN PATH INTEGRAL
*BT1 path integrals
RT propagator
RT quantum mechanics
RT wilson loop

FFTF REACTOR
(Westinghouse Hanford Company, Richland, Washington, USA)
UF *fast flux test facility*
UF *fast flux test facility reactor*
UF *ftr reactor (richland)*
UF *richland fftf reactor*
*BT1 fast reactors
*BT1 research reactors
*BT1 sodium cooled reactors
*BT1 test reactors
RT hanford engineering development laboratory

FIAN SYNCHROTRON
UF *lebedev synchrotron*
*BT1 synchrotrons

FIBER OPTICS
INIS: Apr 1979; ETDE: Sep 1978
(The technique of transmitting light through long, thin, flexible fibers of glass, plastic or other transparent materials.)
BT1 optics
RT light transmission
RT optical equipment
RT optical fibers
RT optical properties
RT optical systems

FIBERGLASS
INIS: Aug 1978; ETDE: Apr 1978
*BT1 composite materials
RT fibers
RT glass
RT glazing materials
RT organic polymers

FIBERS
NT1 carbon fibers
NT1 optical fibers
RT aramids
RT cotton
RT dacron
RT fiberglass
RT jute
RT mineral wool
RT rayon
RT synthetic materials
RT textiles
RT wool

fibration (topological maps)
Use mapping fibration

FIBRIN
*BT1 blood coagulation factors
*BT1 scleroproteins

FIBRINOGEN
*BT1 blood coagulation factors
*BT1 globulins

FIBRINOLYSIN
(Code number 3.4.21.7.)
UF *plasmin*
*BT1 fibrinolytic agents

*BT1 serine proteinases
RT anticoagulants
RT blood coagulation
RT blood coagulation factors
RT fibrinolysis
RT thrombosis

FIBRINOLYSIS
*BT1 proteolysis
RT fibrinolysin
RT streptococcal proteinase
RT urokinase

FIBRINOLYTIC AGENTS
INIS: Aug 1993; ETDE: Apr 1981
UF+ *streptidine kinase*
*BT1 hematologic agents
NT1 fibrinolysin
NT1 plasminogen
NT1 urokinase
RT anticoagulants
RT blood substitutes
RT coagulants
RT hematinics

FIBROBLASTS
*BT1 connective tissue cells
RT collagen
RT fibrosis
RT l cells

FIBROSARCOMAS
*BT1 sarcomas

FIBROSIS
BT1 pathological changes
RT connective tissue
RT fibroblasts

FICK LAWS
RT diffusion
RT neutron diffusion equation
RT neutron transport theory

FIELD ALGEBRA
RT current algebra
RT parastatistics
RT quantum field theory

FIELD EFFECT TRANSISTORS
UF *unipolar transistors*
*BT1 transistors
NT1 mosfet

FIELD EMISSION
BT1 emission
RT electron emission
RT ion emission
RT ion microscopy

field emission microscopy
Use ion microscopy

FIELD EQUATIONS
BT1 equations
NT1 dirac equation
NT1 einstein field equations
NT1 einstein-maxwell equations
NT1 klein-gordon equation
NT1 sine-gordon equation
RT field theories
RT general relativity theory
RT instantons
RT maxwell equations
RT merons
RT solitons

field ion microscopy
Use ion microscopy

field offices
Use us doe field offices

FIELD OPERATORS
*BT1 quantum operators
RT quantum field theory
RT vacuum states

FIELD PRODUCTION EQUIPMENT
INIS: Sep 1994; ETDE: Mar 1984
BT1 equipment
NT1 well injection equipment
NT1 well recovery equipment
NT1 wellheads
RT natural gas fields
RT natural gas wells
RT oil fields
RT oil wells

field-reversed configurations
Use field-reversed theta pinch devices

field-reversed mirror reactors
Use magnetic mirror type reactors
AND reversed-field mirrors

field-reversed mirrors
Use reversed-field mirrors

FIELD-REVERSED THETA PINCH DEVICES
INIS: Aug 1986; ETDE: Sep 1986
(A type of compact torus with poloidal magnetic field only.)
UF *field-reversed configurations*
*BT1 compact torus
*BT1 pinch devices

FIELD TESTS
INIS: May 1981; ETDE: Feb 1979
BT1 testing
RT bench-scale experiments
RT demonstration plants
RT feasibility studies
RT process development units

FIELD THEORIES
NT1 general relativity theory
NT2 relativity theory
NT1 quantum field theory
NT2 axiomatic field theory
NT3 algebraic field theory
NT3 lsz theory
NT3 wightman field theory
NT2 constructive field theory
NT3 lattice field theory
NT2 lagrangian field theory
NT2 phi4-field theory
NT2 quantum chromodynamics
NT2 quantum electrodynamics
NT3 schwinger-tomonaga formalism
NT2 quantum flavordynamics
NT2 quantum gravity
NT2 unified gauge models
NT3 grand unified theory
NT4 standard model
NT3 weinberg-salam gauge model
NT2 yukawa nonlocal theory
NT1 unified-field theories
NT2 einstein-schroedinger theory
NT2 kaluza-klein theory
NT2 supergravity
NT2 weinberg-salam gauge model
NT2 weyl unified theory
RT action integral
RT electrodynamics
RT field equations
RT instantons

fields (crossed)
Use crossed fields

fields (electric)
Use electric fields

fields (electromagnetic)
Use electromagnetic fields

fields (gravitational)
Use gravitational fields

fields (magnetic)
Use magnetic fields

FIERZ INTERFERENCE
RT beta decay

FIERZ-PAULI THEORY
RT quantum mechanics

FIFTH SOUND
INIS: Sep 1977; ETDE: Nov 1977
RT sound waves
RT superfluidity

FIGS
*BT1 fruits

figure of merit
Use performance

FIJI
BT1 islands
RT pacific ocean

filament (plasma)
Use plasma filament

FILAMENT CRYSTAL COUNTERS
(Gamma counter filled with crystalline argon, xenon, methane, etc. at cryogenic temperatures.)
*BT1 crystal counters
RT gamma detection

FILAMENTS
RT wires

FILARIASIS
INIS: Sep 1975; ETDE: Oct 1975
*BT1 parasitic diseases
RT nematodes
RT parasites

FILL FACTORS
INIS: Apr 2000; ETDE: Jan 1975
(Fractions of power available to loads.)
RT power demand
RT power generation

FILLER METALS
RT brazing alloys
RT welding

FILLERS
RT binders
RT grouting

filling stations
Use gasoline service stations

film badges
Use photographic film dosemeters

FILM BOILING
*BT1 boiling

FILM CONDENSATION
BT1 vapor condensation
RT steam condensers

FILM COOLING
BT1 cooling

film dosemeters
Use photographic film dosemeters

FILM DOSIMETRY
BT1 dosimetry
RT photographic film dosemeters

FILM FLOW
INIS: Aug 1975; ETDE: May 1975
BT1 fluid flow
RT helium ii
RT superfluidity

FILMLESS SPARK CHAMBERS
*BT1 spark chambers
NT1 sonic spark chambers
NT1 wire spark chambers

FILMS
(Not for the concepts covered by PHOTOGRAPHIC FILMS or NUCLEAR EMULSIONS.)
NT1 solar control films
NT1 superconducting films
NT1 thin films
RT coatings
RT foils
RT heat mirrors
RT layers
RT waterproofing

FILTERS
(See also DIGITAL FILTERS.)
NT1 air filters
NT1 electric filters
NT1 electromagnetic filters
NT1 fabric filters
NT1 magnetic filters
NT1 mechanical filters
NT2 granular bed filters
NT1 optical filters
RT aerosols
RT coolant cleanup systems
RT diatomaceous earth
RT dust collectors
RT dusts
RT filtration
RT fouling
RT hot gas cleanup
RT respirators
RT samplers
RT screens
RT scrubbing
RT sorting
RT suspensions
RT ultrafiltration
RT ventilation

filters (electric)
Use electric filters

FILTRATION
BT1 separation processes
NT1 ultrafiltration
RT electromagnetic filters
RT filters
RT hot gas cleanup
RT magnetic filters

FINAL-STATE INTERACTIONS
BT1 interactions
RT proximity scattering

financial assistance
Use financing

FINANCIAL DATA
INIS: Sep 1992; ETDE: Jan 1975
(Use only in conjunction with literary indicator N for data flagging.)
UF *assets*
SF *credits*
SF *debits*
*BT1 numerical data
RT budgets
RT economics
RT reactor licensing

FINANCIAL INCENTIVES
INIS: Dec 1982; ETDE: Dec 1976
(From January 1981 till March 1997 LOAN GUARANTEES was a valid ETDE descriptor. From May 1979 till April 1997 SUBSIDIES was a valid ETDE descriptor.)
UF *loan guarantees*
UF *property tax exemption*
UF *subsidies*
SF *incentives*
NT1 tax credits
RT depreciation
RT economics
RT financing
RT legal aspects
RT national energy conservation incentives act
RT payback period
RT socio-economic factors
RT taxes
RT us depletion allowances
RT us economic recovery tax act
RT us energy tax act

financial management
Use program management

financial penalties
Use charges

FINANCIAL SECURITY
INIS: Dec 1976; ETDE: Apr 1989
(Insurance or other financial security a nuclear operator must have to cover his civil liability.)
UF *security (financial)*
RT insurance
RT liabilities
RT victims compensation
RT workmens compensation

FINANCING
(CREDIT ACCOUNTS, CREDIT CARDS, DISBURSEMENTS, FINANCIAL ASSISTANCE, and GRANTS have been valid ETDE descriptors.)
UF *financial assistance*
UF *grants*
UF *loans*
SF *bank accounts*
SF *credit accounts*
SF *credit cards*
SF *disbursements*
SF *letters-of-credit*
RT amortization
RT budgets
RT capital
RT cost
RT cost recovery
RT depreciation
RT economics
RT economy
RT expenditures
RT financial incentives
RT interest rate
RT investment
RT lending institutions

fine control rods
Use regulating rods

FINE STRUCTURE
RT energy levels
RT paschen-back effect
RT sommerfeld constant
RT spectra

fingerprinting (oil spills)
Use oil spills
AND pattern recognition

FINGERS
*BT1 hands
RT nails

finished oils
Use petroleum products

finishing (surface)
Use surface finishing

FINITE DIFFERENCE METHOD
UF *coarse mesh method*
*BT1 iterative methods
*BT1 numerical solution
RT boundary element method
RT differential equations
RT finite element method
RT mathematics
RT mesh generation
RT nodal expansion method

FINITE ELEMENT METHOD
BT1 calculation methods
*BT1 numerical solution
NT1 boundary element method
RT differential equations
RT finite difference method
RT mathematics
RT mesh generation
RT nodal expansion method

FINITE-RANGE INTERACTIONS
BT1 interactions
RT nuclear reaction kinetics
RT zero-range approximation

FINLAND
BT1 developed countries
*BT1 scandinavia
RT oecd

FINNISH ORGANIZATIONS
INIS: Aug 1976; ETDE: Nov 1976
BT1 national organizations

finnish reactor-1
Use fir-1 reactor

FINS
RT reactor components
RT spacers
RT vanes

FIORDS
INIS: Jun 1992; ETDE: Nov 1980
(Arms of the sea having steep sides, deep bottoms, and shallow sills separating them from the sea.)
*BT1 estuaries
RT salinity
RT seawater

FIR-1 REACTOR
(Technical Research Centre of Finland Reactor Lab., Espoo, Finland)
UF *finnish reactor-1*
*BT1 isotope production reactors
*BT1 pulsed reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 training reactors
*BT1 triga type reactors

FIRE DETECTORS
INIS: Jan 1992; ETDE: Jan 1986
BT1 measuring instruments
NT1 smoke detectors
RT alarm systems
RT fire prevention
RT safety

FIRE EXTINGUISHERS
RT fire fighting
RT fires
RT safety

FIRE FIGHTING
INIS: Dec 1985; ETDE: Apr 1978
RT fire extinguishers
RT fire hazards
RT fires
RT safety

fire flooding
Use in-situ combustion

FIRE HAZARDS
BT1 hazards
RT fire fighting
RT fire prevention
RT fires
RT spontaneous combustion

FIRE PREVENTION
INIS: Dec 1985; ETDE: Aug 1975
RT combustion
RT fire detectors
RT fire hazards
RT fire resistance
RT fires
RT safety
RT spontaneous combustion

FIRE RESISTANCE
RT fire prevention
RT fires
RT thermal insulation

fire stations
Use public buildings

FIREBALL MODEL
UF *two-fireball model*
*BT1 particle models
RT centauro-type events
RT cluster emission model

fireballs
See flames
OR nuclear fireballs

fireballs (nuclear)
Use nuclear fireballs

firedamp
Use methane

firehose instability
Use hose instability

FIREPLACES
INIS: Apr 2000; ETDE: Jun 1977
RT chimneys
RT space heating

FIRES
RT accidents
RT burns
RT combustion
RT explosions
RT fire extinguishers
RT fire fighting
RT fire hazards
RT fire prevention
RT fire resistance
RT flammability
RT hazards
RT natural disasters
RT safety engineering
RT smoke detectors
RT spontaneous combustion

firestreak model
Use nuclear fireball model

firewood
Use wood fuels

FIRS
INIS: Feb 1992; ETDE: Dec 1985
UF *abies*
*BT1 conifers
*BT1 trees

FIRST AID
UF *cardiopulmonary resuscitation*
UF *cpr*
*BT1 therapy
RT accidents
RT health hazards
RT injuries
RT safety showers
RT single intake

first sound
Use sound waves

FIRST WALL
INIS: Aug 1975; ETDE: Oct 1975
BT1 thermonuclear reactor walls
RT steel-cr10mo2
RT wall loading

FISCHER ASSAY
INIS: Apr 2000; ETDE: Jan 1975
RT oil shales
RT shale oil

FISCHER-TROPSCH SYNTHESIS
UF *synthine process*
BT1 chemical reactions
RT hydrocarbons
RT hydrogenation
RT sasol-ii process

fischer-tropsch/mobil process
See coal gasification
OR coal liquefaction

fish and wildlife service
Use us fws

fish culture
Use fisheries

fish hatcheries
Use fisheries

fish ladders
Use fish passage facilities

fish lifts
Use fish passage facilities

fish locks
Use fish passage facilities

fish meal
Use fish products

FISH OIL
INIS: Oct 1976; ETDE: Dec 1976
*BT1 oils
RT fishes
RT hydrocarbons

FISH PASSAGE FACILITIES
INIS: Aug 1991; ETDE: Jan 1980
(Structures that carry water around dams thus facilitating the migration of fish.)
UF *fish ladders*
UF *fish lifts*
UF *fish locks*
UF *fishways*
RT anadromous fishes
RT dams
RT fishes
RT hydroelectric power plants
RT migration

FISH PRODUCTS
UF *fish meal*
NT1 seafood
RT fishes

FISH SCALES
INIS: Jul 1992; ETDE: May 1977
RT fishes
RT skin

FISHBONE INSTABILITY
INIS: Jun 1984; ETDE: Jul 1984
*BT1 plasma macroinstabilities

FISHERIES
INIS: May 1992; ETDE: Aug 1981
(Prior to August 1981, this concept in ETDE was indexed to AQUACULTURE.)
UF *fish culture*
UF *fish hatcheries*
RT aquaculture
RT fishing industry

FISHERY LAWS
(Prior to December 1990, this descriptor was spelled FISHERY LAW.)
BT1 laws
RT high seas
RT territorial waters

FISHES
(Not for the concept of the edible flesh of a fish for which use SEAFOOD.)
UF *flukes (fishes)*
UF *misgurnus*
BT1 aquatic organisms
*BT1 vertebrates
NT1 anadromous fishes
NT2 salmon
NT2 striped bass
NT1 codfish
NT1 eel
NT1 fathead minnow
NT1 goldfish
NT1 plaice
NT1 trout
NT1 tuna
RT aquaculture
RT fish oil
RT fish passage facilities
RT fish products
RT fish scales
RT food
RT gills
RT ichthyoplankton
RT seafood
RT surface waters

FISHING INDUSTRY
INIS: Dec 1975; ETDE: Jan 1976
BT1 industry
RT fisheries

fishways
Use fish passage facilities

FISSILE MATERIALS
(Materials containing nuclides capable of undergoing fission by interaction with slow neutrons.)
*BT1 fissionable materials
RT fission
RT nuclear fuels
RT nuclear materials management

FISSION
UF *disintegration (fission)*
BT1 nuclear reactions
NT1 binary fission
NT1 cold fission
NT1 electrofission
NT1 fast fission
NT1 photofission
NT1 quaternary fission
NT1 spontaneous fission
NT1 ternary fission
NT1 thermal fission
RT bohr-wheeler theory
RT chain reactions
RT criticality
RT fast fission factor
RT fissile materials
RT fission barrier
RT fission fragments
RT fission products
RT fission spectra
RT fission yield
RT fissionable materials
RT fissioning plasma
RT governor model
RT nuclear explosions
RT nuclear fragmentation
RT nuclear fragments
RT order-disorder model
RT quasi-fission
RT reactors
RT recoils
RT scission-point model
RT spallation
RT strutinsky theory
RT thermal fission factor
RT watt fission spectrum

FISSION BARRIER
*BT1 nuclear potential
*BT1 potential energy
RT excitation
RT fission

FISSION CHAMBERS
*BT1 ionization chambers
*BT1 neutron detectors
RT threshold detectors

FISSION FOIL DETECTORS
*BT1 neutron detectors
RT activation detectors
RT dielectric track detectors
RT fission thermocouple detectors
RT threshold detectors

FISSION FRAGMENT DETECTION
*BT1 radiation detection
RT charged particle detection
RT radiation detectors

FISSION FRAGMENT SPECTROMETERS
*BT1 spectrometers

FISSION FRAGMENTS
UF *fragments (fission)*
BT1 nuclear fragments
RT fission
RT fission tracks

FISSION ISOMERS
RT isomeric nuclei
RT spontaneous fission

fission-like reactions
Use quasi-fission

FISSION NEUTRONS
*BT1 neutrons
NT1 delayed neutrons
NT1 prompt neutrons
RT multiplication factors

FISSION POISONS
*BT1 nuclear poisons

FISSION PRODUCT RELEASE
(Coordinate with descriptors for the area of release, such as BIOSPHERE or COOLANTS, and for the specific fission products, if known.)
UF *release (fission product)*
RT containment
RT contamination
RT degassing
RT desorption
RT fission products
RT international nuclear event scale
RT leaks
RT radiation hazards
RT radioactive waste disposal
RT removal
RT source terms

FISSION PRODUCTS
(Prior to March 1997 FONG THEORY was a valid ETDE descriptor.)
UF *debris (nuclear)*
SF *fong theory*
SF *fong-newton theory*
BT1 isotopes
*BT1 radioactive materials
RT accidents
RT containment
RT containment systems
RT fallout
RT fission
RT fission product release
RT fission yield
RT fissium
RT fuel cooling time
RT fuel reprocessing plants
RT nuclear explosions
RT radioactive wastes
RT reactors
RT source terms
RT spent fuels

FISSION RATIO
RT capture-to-fission ratio
RT resonance neutrons

fission reactor control theory
Use reactor kinetics

FISSION SPECTRA
UF *spectra (fission)*
BT1 spectra
RT fission
RT prompt neutrons

FISSION THERMOCOUPLE DETECTORS
INIS: Apr 2000; ETDE: Mar 1979
(Neutron detectors using a thin film of fissile material overlaid on a thermocouple junction.)
*BT1 neutron detectors
RT fission foil detectors
RT thermocouples

FISSION TRACKS
BT1 particle tracks
RT age estimation
RT fission fragments

FISSION YIELD
UF *yield (fission)*
*BT1 nuclear reaction yield
RT fission
RT fission products

FISSIONABLE MATERIALS
(Materials containing nuclides capable of undergoing fission by any process.)
BT1 materials
NT1 fissile materials
RT accelerator breeders
RT fission
RT fuel cycle
RT nuclear materials management
RT radioactive wastes

fissionable materials management
Use nuclear materials management

FISSIONING PLASMA
BT1 plasma
RT chain reactions
RT fission
RT gas fuels
RT space propulsion reactors

FISSIUM
RT fission products
RT nuclear fuels

fissured formations
Use fractured reservoirs

FISTULAE
BT1 pathological changes
RT necrosis
RT ulcers

FITZPATRICK REACTOR
(Oswego, New York, USA)
UF *easton power reactor*
UF *james a. fitzpatrick reactor*
*BT1 bwr type reactors

five-dimensional calculations
Use many-dimensional calculations

fixation (carbon dioxide)
Use carbon dioxide fixation

fixation (nitrogen)
Use nitrogen fixation

fixation (waste treatment)
Use solidification

fixed bed
Use packed beds

fixed beds
Use packed beds

FIXED MIRROR COLLECTORS
INIS: Apr 2000; ETDE: Aug 1978
*BT1 concentrating collectors

fixed-price contracts
Use contracts

fixed scattering centres approximation
Use fsc approximation

flagyl
Use metronidazole

FLAMANVILLE-1 REACTOR
INIS: Jul 1984; ETDE: Sep 1984
*BT1 pwr type reactors

FLAMANVILLE-2 REACTOR
INIS: Jul 1984; ETDE: Sep 1984
*BT1 pwr type reactors

flame chamber process
Use waste processing

FLAME PHOTOMETRY
INIS: Apr 2000; ETDE: Nov 1980
BT1 photometry
RT spectrophotometry
RT spectroscopy

FLAME PROPAGATION
INIS: May 1980; ETDE: Sep 1976
RT blowoff
RT combustion kinetics
RT flames
RT flashback

flame spectrometry
Use emission spectroscopy

FLAME SPRAYING
*BT1 spray coating

flame temperature
Use combustion properties

FLAMES
SF *fireballs*
NT1 verneuil method
RT blowoff
RT combustion
RT flame propagation
RT flashback
RT ignition
RT inhibition
RT stagnation point

FLAMMABILITY
INIS: Nov 1977; ETDE: Apr 1976
BT1 combustion properties
RT combustion
RT fires
RT ignition

FLANGES
RT joints

FLARING
INIS: May 1992; ETDE: Dec 1979
RT combustion
RT energy losses
RT natural gas

FLASH BURNS
*BT1 burns

FLASH HEATING
BT1 heating
RT distillation
RT evaporation
RT steam

FLASH HYDROPYROLYSIS PROCESS
INIS: Apr 2000; ETDE: Jul 1976
(Process for converting coal or biomass to liquid and gaseous hydrocarbons directly by heating with preheated hydrogen to reaction temperature followed by rapid cooling.)
*BT1 coal gasification
*BT1 coal liquefaction
*BT1 pyrolysis
RT hydrogenation

flash point
Use combustion properties

FLASH TUBES
*BT1 gas discharge tubes

FLASH WELDING
*BT1 resistance welding

FLASHBACK
INIS: Apr 2000; ETDE: Jan 1977
(Backward burning of a flame into the lip of a burner or torch.)
RT blowoff
RT burners
RT chemical explosions
RT flame propagation
RT flames

FLASHED STEAM SYSTEMS
INIS: Apr 2000; ETDE: May 1975
(Systems in which a well-head mixture of hot water and steam is flashed in a separator; the saturated steam, then, is used to drive multistage turbines, and the remaining hot liquid is discarded.)
*BT1 steam systems
RT flashing
RT geothermal energy conversion
RT geothermal power plants
RT steam
RT steam separators
RT steam turbines
RT thermodynamic cycles

FLASHING
INIS: May 1976; ETDE: Jan 1975
*BT1 evaporation
RT flashed steam systems
RT steam

FLASHOVER
INIS: Dec 1985; ETDE: Sep 1975
BT1 electric discharges
RT breakdown
RT electric arcs
RT electric currents
RT electric sparks
RT electrical faults

flasks
Use casks

FLAT MAGNETIC SPECTROMETERS
UF *double focusing spectrometers*
UF *iron-free spectrometers*
UF *orange-type spectrometers*
UF *semicircular spectrometers*
UF *siegbahn spectrometers*
UF *spiral orbit spectrometers*
*BT1 magnetic spectrometers

flat mirrors
Use mirrors

FLAT PLATE COLLECTORS
INIS: Jan 1976; ETDE: Jan 1975
*BT1 solar collectors
NT1 trickle-type collectors
RT solar air heaters

flattening (neutron flux)
Use neutron flux flattening

FLATTOP REACTOR
*BT1 zero power reactors

FLAVENOIDS
*BT1 organic oxygen compounds
NT1 flavones
NT2 morin
NT2 quercetin

FLAVINES
*BT1 acridines
*BT1 amines
NT1 acriflavine
NT1 proflavine

flavins
Use isoalloxazines

FLAVONES
UF+ *hesperidin*
*BT1 flavenoids
NT1 morin
NT1 quercetin

flavoprotein enzymes
Use diaphorase

FLAVOR
(Not for elementary particles.)
BT1 organoleptic properties
RT chemoreceptors
RT spices
RT taste buds

FLAVOR MODEL
INIS: Jul 1977; ETDE: Oct 1977
UF *beauty model*
UF *bottom quark model*
UF *top quark model*
UF *truth model*
*BT1 quark model
RT beauty particles
RT charmonium
RT kobayashi-maskawa matrix
RT quantum chromodynamics
RT quantum flavordynamics
RT quantum numbers
RT top particles
RT toponium

flavordynamics
Use quantum flavordynamics

flaws
Use defects

FLAX PLANTS
UF *linseed plants*
*BT1 magnoliopsida
RT linseed oil

flaxseed oil
Use linseed oil

FLEXIBILITY
UF *stiffness*
*BT1 tensile properties
RT flexural strength

flexitime
Use alternative work schedules

FLEXURAL STRENGTH
UF *strength (flexural)*
BT1 mechanical properties
RT bending
RT flexibility

FLIBE
INIS: Aug 1975; ETDE: Oct 1975
(Molten salt of fluorine, lithium and beryllium.)
*BT1 molten salts
RT beryllium fluorides
RT breeding blankets
RT lithium fluorides
RT thermonuclear reactor walls

FLIES
*BT1 diptera
NT1 fruit flies
NT2 anastrepha
NT2 ceratitis capitata
NT2 dacus
NT3 dacus oleae
NT2 drosophila
NT1 glossina
NT1 hylemya antiqua
NT1 screwworm fly

FLIGHT TESTING
INIS: Dec 1982; ETDE: Jan 1981
BT1 testing
RT aircraft
RT missiles
RT reentry vehicles

flintlock operation
Use nuclear explosions
AND underground explosions

FLIP-FLOP CIRCUITS
UF *eccles-jordan circuits*
*BT1 multivibrators

floating nuclear power plant-sturgis
Use mh-1a reactor

floating nuclear power plants
Use offshore nuclear power plants

FLOATING ROOF TANKS
INIS: Jul 1992; ETDE: Aug 1981
*BT1 tanks
RT petroleum
RT storage facilities

floating zone techniques
Use zone melting

FLOCCULATION
UF *coagulation (colloid)*
UF *colloid coagulation*
*BT1 precipitation
RT coprecipitation

FLOOD CONTROL
INIS: May 1992; ETDE: Apr 1975
BT1 control
RT coastal regions
RT dams
RT hydroelectric power plants
RT power generation
RT rivers

flooding fluids
Use displacement fluids

FLOODS
RT drainage
RT exceptional natural disaster
RT hydrology
RT natural disasters
RT runoff
RT surface waters

FLOORS
INIS: Jan 1977; ETDE: Sep 1975
RT basements
RT buildings

FLOQUET FUNCTION
BT1 functions
RT differential equations

florence oil
Use olive oil

florencite
Use phosphate minerals
AND radioactive minerals

FLORIDA
*BT1 usa
NT1 cape kennedy
RT biscayne bay
RT chattahoochee river
RT everglades national park
RT pinellas plant
RT us east coast
RT us gulf coast

florida current
Use gulf stream

florida university reactor
Use uftr reactor

FLOTATION
BT1 separation processes
RT coal preparation
RT foam separation
RT ore enrichment
RT ore processing
RT waste processing

FLOUR
BT1 food
RT bread
RT cereals

flow (blood)
Use blood flow

flow (fluid)
Use fluid flow

FLOW BLOCKAGE
RT fluid flow
RT loss of flow

FLOW COUNTERS
UF *fluid flow counters*
*BT1 radiation detectors
RT geiger-mueller counters
RT proportional counters

flow cytometers
Use cell flow systems

FLOW MODELS
UF *models (flow)*
BT1 mathematical models
RT fluid flow
RT thermal hydraulics

FLOW RATE
RT dynamic function studies
RT flow regulators
RT flowmeters
RT fluid flow
RT hydraulics
RT mach number
RT plasma eaters
RT pressure drop
RT time dependence
RT velocity

FLOW REGULATORS
UF+ *dampers (gas flow)*
UF+ *draft control systems*
*BT1 control equipment
NT1 baffles
NT1 valves
NT2 relief valves
NT2 water faucets
RT flow rate
RT penstocks

flow sheets
Use flowsheets

FLOW STRESS
BT1 stresses
RT plasticity

FLOW VISUALIZATION
INIS: Oct 1986; ETDE: Mar 1984
RT aerosols
RT bubbles
RT fluid flow

FLOWERS
(For reproductive organs of plants.)
NT1 stamen
RT plants
RT pollen
RT reproduction

FLOWMETERS
*BT1 meters
NT1 plasma eaters
RT anemometers
RT flow rate
RT nozzles
RT orifices
RT pitot tubes
RT venturi tubes

FLOWSHEETS
UF *flow sheets*
*BT1 diagrams

FLUCTUATIONS
(Stochastic variations)
BT1 variations
NT1 landau fluctuations
RT noise

FLUE GAS
INIS: Jul 1976; ETDE: Jan 1975
UF *combustion gases*
*BT1 gaseous wastes
RT combustion products
RT dry scrubbers
RT scrubbing
RT selective catalytic reduction

fluence (neutron)
Use neutron fluence

fluid equations (plasma)
Use plasma fluid equations

FLUID FLOW
(From September 1979 till February 1997 DISPLACEMENT RATES was a valid ETDE descriptor.)
UF *flow (fluid)*
SF *displacement rates*
NT1 capillary flow
NT1 compressible flow
NT1 critical flow
NT1 film flow
NT1 gas flow
NT2 air flow
NT2 knudsen flow
NT2 slip flow
NT1 hypersonic flow
NT1 incompressible flow
NT2 ideal flow
NT1 laminar flow
NT1 liquid flow
NT1 multiphase flow
NT1 potential flow
NT1 solids flow
NT1 steady flow
NT2 ideal flow
NT1 subsonic flow
NT1 supersonic flow
NT1 transition flow
NT1 transonic flow

NT1 turbulent flow
NT1 two-phase flow
NT1 unsteady flow
NT1 viscous flow
NT2 couette flow
NT1 vortex flow
RT advection
RT aerodynamic heating
RT baffles
RT bernoulli law
RT boundary layers
RT cavitation
RT continuity equations
RT darcy law
RT diffusers
RT drainage
RT flow blockage
RT flow models
RT flow rate
RT flow visualization
RT fluid mechanics
RT fluid-structure interactions
RT fluids
RT friction factor
RT froude number
RT hartmann number
RT heat transfer
RT helmholtz instability
RT hydraulics
RT hydrodynamics
RT jets
RT magnetohydrodynamics
RT mass transfer
RT oseen method
RT pressure drop
RT rayleigh-taylor instability
RT reactor cooling systems
RT reynolds number
RT rheology
RT shear
RT stagnation
RT superfluidity
RT surges
RT thermal hydraulics
RT turbulence
RT two-stream instability
RT viscosity

fluid flow counters

Use flow counters

FLUID FUELED REACTORS

UF *dust fueled reactors*
BT1 reactors
NT1 gas fueled reactors
NT2 coaxial flow reactors
NT2 light bulb reactors
NT2 plasma core assembly
NT1 liquid homogeneous reactors
NT2 aqueous homogeneous reactors
NT3 ai-l-77 reactor
NT3 ber-2 reactor
NT3 byu l-77 reactor
NT3 cesnef reactor
NT3 dr-1 reactor
NT3 frf reactor
NT3 hre-2 reactor
NT3 jrr-1 reactor
NT3 kewb reactor
NT3 kstr reactor
NT3 ncscr-1 reactor
NT3 nevada university reactor
NT3 prnc-l-77 reactor
NT3 supo reactor
NT3 wrrr reactor
NT1 molten salt fueled reactors
RT fluidized bed reactors
RT liquid metal fuels

FLUID INJECTION

INIS: Aug 1982; ETDE: Mar 1976
NT1 gas injection
NT1 miscible-phase displacement
NT2 carbon dioxide injection
NT2 microemulsion flooding
NT1 steam injection
NT1 waterflooding
NT2 caustic flooding
RT displacement fluids
RT enhanced recovery
RT fluid injection processes
RT hydraulic fracturing
RT hydrology
RT pressurization
RT well stimulation

FLUID INJECTION PROCESSES

INIS: Apr 2000; ETDE: Jun 1975
UF *cyclic steam injection process*
UF *huff and puff process*
UF *steam drive process*
NT1 cold-water processes
NT1 hot-water processes
NT1 steam soak processes
RT enhanced recovery
RT fluid injection
RT oil sands

FLUID MECHANICS

BT1 mechanics
NT1 aerodynamics
NT1 electrogasdynamics
NT1 hydraulics
NT2 thermal hydraulics
NT1 hydrodynamics
NT2 electrohydrodynamics
NT2 magnetohydrodynamics
NT1 magnetogasdynamics
NT1 pneumatics
RT aerodynamic heating
RT drag
RT fluid flow
RT fluid-structure interactions
RT fluids
RT friction factor
RT general circulation models
RT gravity waves
RT hydraulic conductivity
RT hydrostatics
RT navier-stokes equations
RT stagnation point

FLUID POISON CONTROL

UF *chemical shimming*
BT1 control
RT burnable poisons
RT poisoning
RT reactor control systems
RT scram
RT soluble poisons

FLUID-STRUCTURE INTERACTIONS

INIS: Nov 1980; ETDE: Nov 1980
(Interactions between fluids, usually coolants, and structural components involving distortion of components such as shields, spacers, supports etc. in reactors.)
RT fluid flow
RT fluid mechanics
RT fuel-coolant interactions
RT reactor components
RT reactor cooling systems
RT reactor cores

FLUID WITHDRAWAL

INIS: Apr 2000; ETDE: Nov 1975
(The process of withdrawing fluids such as ground water from a source, also the quantity of fluid withdrawn.)
UF *ground water withdrawal*
RT geothermal fluids
RT ground water

fluidic computers

Use computers

FLUIDIC CONTROL DEVICES

*BT1 control equipment
BT1 fluidic devices

FLUIDIC DEVICES

NT1 fluidic control devices
RT amplification

FLUIDIZATION

INIS: Dec 1975; ETDE: Apr 1975
RT fluidized bed reactors
RT fluidized beds
RT fluidized-bed combustion
RT suspensions

fluidized bed

Use fluidized beds

FLUIDIZED BED BOILERS

INIS: Mar 1992; ETDE: Mar 1982
UF+ *circulating fluidized bed boilers*
BT1 boilers
RT fluidized beds
RT fluidized-bed combustion
RT fluidized-bed combustors

FLUIDIZED-BED COMBUSTION

INIS: Feb 1976; ETDE: Apr 1975
(The combustion of pulverized coal (or other material) in a fluidized bed with limestone or dolomite both to suppress sulfur emission (by chemically combining the sulfur with the bed material) and to limit the tendency of atmospheric nitrogen and oxygen to combine into nitrogen oxides (by limiting the temperature of the combustion reaction).)
*BT1 combustion
RT coal
RT fluidization
RT fluidized bed boilers
RT fluidized-bed combustors

FLUIDIZED-BED COMBUSTORS

INIS: Aug 1993; ETDE: Nov 1976
BT1 combustors
RT coal
RT fluidized bed boilers
RT fluidized beds
RT fluidized-bed combustion
RT pollution control equipment

fluidized bed heat exchangers

Use fluidized beds
AND heat exchangers

FLUIDIZED BED HYDROGENATION PROCESS

INIS: Apr 2000; ETDE: Jan 1976
(Production of methane- and ethane-rich gas at elevated temperatures and pressure from hydrocarbons.)
UF *fbh process*
BT1 sng processes
RT hydrocarbons
RT petroleum

FLUIDIZED BED REACTORS

*BT1 fuel dispersion reactors
RT fluid fueled reactors

RT fluidization

FLUIDIZED BED REFUSE GASIFICATION

INIS: Mar 1993; ETDE: Nov 1976

(Partial oxidation pyrolysis using air and air or steam for gasification and catalysts to increase thermal efficiency. May be used for coal or oil shale gasification. Produces fuel gas.)

*BT1 gasification
*BT1 waste processing
RT coal gasification
RT oil shales

FLUIDIZED BEDS

UF *fluidized bed*
UF+ *circulating fluidized beds*
UF+ *fluidized bed heat exchangers*
RT cafb process
RT chemical reactions
RT chemical reactors
RT ebullated bed
RT fluidization
RT fluidized bed boilers
RT fluidized-bed combustors
RT packed beds
RT suspensions

FLUIDS

(Not for the concepts covered by BODY FLUIDS.)

NT1 cryogenic fluids
NT1 cutting fluids
NT1 displacement fluids
NT1 drilling fluids
NT1 fracturing fluids
NT1 gases
NT2 air
NT3 compressed air
NT3 surface air
NT2 associated gas
NT2 coal gas
NT2 compressed gases
NT3 compressed air
NT2 cosmic gases
NT2 cover gas
NT2 dissociating gases
NT2 dissolved gases
NT2 exhaust gases
NT2 fuel gas
NT3 high btu gas
NT3 intermediate btu gas
NT4 carburetted water gas
NT4 town gas
NT4 water gas
NT3 low btu gas
NT4 producer gas
NT3 natural gas
NT4 abiogenic gas
NT4 liquefied natural gas
NT2 ionized gases
NT3 fully ionized gases
NT4 lorentz gas
NT3 strongly ionized gases
NT3 weakly ionized gases
NT2 pyrolytic gases
NT2 rare gases
NT3 argon
NT3 helium
NT3 krypton
NT3 neon
NT3 radon
NT3 xenon
NT2 rarefied gases
NT2 refinery gases
NT2 shale gas
NT2 synthesis gas
NT2 vapors
NT3 water vapor
NT2 volcanic gases
NT1 geothermal fluids
NT2 fumarolic fluids
NT2 natural steam
NT1 heat transfer fluids
NT1 liquids
NT2 black liquids
NT2 coal liquids
NT2 liquefied gases
NT3 liquefied natural gas
NT3 liquefied petroleum gases
NT2 liquid crystals
NT2 liquid metals
NT2 natural gas liquids
NT3 gas condensates
NT3 lease condensates
NT3 liquefied petroleum gases
NT3 plant condensates
NT1 quantum fluids
NT2 helium ii
NT1 reservoir fluids
NT1 working fluids
NT2 hydraulic fluids
NT2 refrigerants
RT fluid flow
RT fluid mechanics
RT pour point

flukes (fishes)

Use fishes

flukes (trematodes)

Use trematodes

fluor econamine process

Use desulfurization

fluor solvent process

Use desulfurization

fluoranthene

Use condensed aromatics

FLUORATES

(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)

*BT1 fluorine compounds
BT1 oxygen compounds

FLUORENE

*BT1 condensed aromatics
*BT1 hydrocarbons

FLUORESCEIN

BT1 dyes
*BT1 hydroxy acids
*BT1 polyphenols
NT1 erythrosine
RT fluorescence
RT phthalic acid

FLUORESCENCE

UF *quenching (fluorescence)*
*BT1 luminescence
NT1 resonance fluorescence
RT fluorescein
RT fluorescence spectroscopy
RT radiationless decay
RT superradiance
RT x-ray fluorescence analysis

FLUORESCENCE SPECTROSCOPY

UF *atomic fluorescence spectroscopy*
UF *fluorimetry*
UF *molecular fluorescence spectroscopy*
*BT1 emission spectroscopy
RT fluorescence
RT fluorimeters
RT laser spectroscopy
RT quantitative chemical analysis
RT x-ray fluorescence analysis

fluorescent concentrators

Use luminescent concentrators

FLUORESCENT LAMPS

INIS: Apr 2000; ETDE: Jul 1977

UF *litek lamp*
BT1 light bulbs
RT ballasts
RT lighting systems

fluorescent penetrant tests

Use liquid penetrant inspection

FLUORIDE VOLATILITY PROCESS

*BT1 pyrometallurgy
*BT1 reprocessing
RT distillation
RT refining
RT volatility

FLUORIDES

UF+ *actinium fluorides*
UF+ *einsteinium fluorides*
UF+ *polonium fluorides*
UF+ *radium fluorides*
*BT1 fluorine compounds
*BT1 halides
NT1 aluminium fluorides
NT1 americium fluorides
NT1 ammonium fluorides
NT1 antimony fluorides
NT1 argon fluorides
NT1 arsenic fluorides
NT1 barium fluorides
NT1 berkelium fluorides
NT1 beryllium fluorides
NT1 bismuth fluorides
NT1 boron fluorides
NT1 bromine fluorides
NT1 cadmium fluorides
NT1 calcium fluorides
NT1 californium fluorides
NT1 carbon fluorides
NT1 cerium fluorides
NT1 cesium fluorides
NT1 chlorine fluorides
NT1 chromium fluorides
NT1 cobalt fluorides
NT1 copper fluorides
NT1 curium fluorides
NT1 dysprosium fluorides
NT1 erbium fluorides
NT1 europium fluorides
NT1 gadolinium fluorides
NT1 gallium fluorides
NT1 germanium fluorides
NT1 gold fluorides
NT1 hafnium fluorides
NT1 holmium fluorides
NT1 indium fluorides
NT1 iodine fluorides
NT1 iridium fluorides
NT1 iron fluorides
NT1 krypton fluorides
NT1 lanthanum fluorides
NT1 lead fluorides
NT1 lithium fluorides
NT1 lutetium fluorides
NT1 magnesium fluorides
NT1 manganese fluorides
NT1 mercury fluorides
NT1 molybdenum fluorides
NT1 neodymium fluorides
NT1 neon fluorides
NT1 neptunium fluorides

NT1 nickel fluorides
NT1 niobium fluorides
NT1 nitrogen fluorides
NT1 osmium fluorides
NT1 palladium fluorides
NT1 phosphorus fluorides
NT1 platinum fluorides
NT1 plutonium fluorides
NT1 potassium fluorides
NT1 praseodymium fluorides
NT1 promethium fluorides
NT1 protactinium fluorides
NT1 radon fluorides
NT1 rhenium fluorides
NT1 rhodium fluorides
NT1 rubidium fluorides
NT1 ruthenium fluorides
NT1 samarium fluorides
NT1 scandium fluorides
NT1 selenium fluorides
NT1 silicon fluorides
NT1 silver fluorides
NT1 sodium fluorides
NT1 strontium fluorides
NT1 sulfur fluorides
NT1 tantalum fluorides
NT1 technetium fluorides
NT1 tellurium fluorides
NT1 terbium fluorides
NT1 thallium fluorides
NT1 thorium fluorides
NT1 thulium fluorides
NT1 tin fluorides
NT1 titanium fluorides
NT1 tungsten fluorides
NT1 uranium fluorides
NT2 uranium hexafluoride
NT2 uranium pentafluoride
NT2 uranium tetrafluoride
NT1 uranyl fluorides
NT1 vanadium fluorides
NT1 xenon fluorides
NT1 ytterbium fluorides
NT1 yttrium fluorides
NT1 zinc fluorides
NT1 zirconium fluorides
RT fluorine additions
RT hydrofluoric acid
RT oxyfluorides

FLUORIMETERS

(Instrument for measuring fluorescent radiation emitted by a sample exposed to monochromatic radiation, used in chemical analysis or to determine the intensity of the radiation producing fluorescence.)
UF *fluorometers*
BT1 measuring instruments
RT fluorescence spectroscopy

fluorimetry

Use fluorescence spectroscopy

FLUORINATED ALICYCLIC HYDROCARBONS

INIS: Apr 2000; ETDE: Feb 1975
*BT1 halogenated alicyclic hydrocarbons
*BT1 organic fluorine compounds

FLUORINATED ALIPHATIC HYDROCARBONS

(Prior to October 1991, this concept was indexed by ORGANIC FLUORINE COMPOUNDS.)
UF+ *poly(vinylidene fluoride)*
*BT1 halogenated aliphatic hydrocarbons
*BT1 organic fluorine compounds
NT1 carbon tetrafluoride
NT1 fluoroform
NT1 methyl fluoride
NT1 polytetrafluoroethylene
NT2 teflon
NT1 tedlar
RT chlorofluorocarbons

FLUORINATED AROMATIC HYDROCARBONS

INIS: Oct 1991; ETDE: Feb 1975
*BT1 halogenated aromatic hydrocarbons
*BT1 organic fluorine compounds

fluorinated hydrocarbons

Use organic fluorine compounds

FLUORINATION

*BT1 halogenation

FLUORINE

UF *fluorine fluorides*
*BT1 halogens

FLUORINE 14

*BT1 fluorine isotopes
*BT1 light nuclei
*BT1 odd-odd nuclei
*BT1 proton decay radioisotopes

FLUORINE 15

INIS: Nov 1978; ETDE: Sep 1978
*BT1 fluorine isotopes
*BT1 light nuclei
*BT1 odd-even nuclei

FLUORINE 16

*BT1 fluorine isotopes
*BT1 light nuclei
*BT1 odd-odd nuclei

FLUORINE 16 TARGET

INIS: Sep 1992; ETDE: May 1977
BT1 targets

FLUORINE 17

*BT1 beta-plus decay radioisotopes
*BT1 fluorine isotopes
*BT1 light nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

FLUORINE 17 TARGET

INIS: Jan 1998; ETDE: Jan 1998
BT1 targets

FLUORINE 18

*BT1 beta-plus decay radioisotopes
*BT1 fluorine isotopes
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 light nuclei
*BT1 nanoseconds living radioisotopes
*BT1 odd-odd nuclei

FLUORINE 18 TARGET

INIS: Apr 1980; ETDE: Aug 1979
BT1 targets

FLUORINE 19

*BT1 fluorine isotopes
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes
RT fluorine 19 reactions

FLUORINE 19 BEAMS

INIS: Oct 1976; ETDE: Nov 1976
*BT1 ion beams

FLUORINE 19 REACTIONS

*BT1 heavy ion reactions
RT fluorine 19

FLUORINE 19 TARGET

BT1 targets

FLUORINE 20

*BT1 beta-minus decay radioisotopes
*BT1 fluorine isotopes
*BT1 light nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

FLUORINE 21

*BT1 beta-minus decay radioisotopes
*BT1 fluorine isotopes
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

FLUORINE 22

*BT1 beta-minus decay radioisotopes
*BT1 fluorine isotopes
*BT1 light nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

FLUORINE 23

*BT1 beta-minus decay radioisotopes
*BT1 fluorine isotopes
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

FLUORINE 24

*BT1 beta-minus decay radioisotopes
*BT1 fluorine isotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

FLUORINE 25

*BT1 beta-minus decay radioisotopes
*BT1 fluorine isotopes
*BT1 light nuclei
*BT1 odd-even nuclei

FLUORINE 26

INIS: Jul 1980; ETDE: Feb 1980
*BT1 beta-minus decay radioisotopes
*BT1 fluorine isotopes
*BT1 light nuclei
*BT1 odd-odd nuclei

FLUORINE 27

INIS: Apr 1986; ETDE: Dec 1981
*BT1 beta-minus decay radioisotopes
*BT1 fluorine isotopes
*BT1 light nuclei
*BT1 odd-even nuclei

FLUORINE 29

INIS: Sep 1989; ETDE: Oct 1989
*BT1 fluorine isotopes
*BT1 light nuclei
*BT1 odd-even nuclei

FLUORINE ADDITIONS

INIS: Feb 1989; ETDE: Jan 1975
RT crystal doping
RT doped materials
RT fluorides

fluorine bromides

Use bromine fluorides

fluorine chlorides

Use chlorine fluorides

FLUORINE COMPLEXES

BT1 complexes

FLUORINE COMPOUNDS

BT1 halogen compounds

NT1 fluorates
NT1 fluorides
NT2 aluminium fluorides
NT2 americium fluorides
NT2 ammonium fluorides
NT2 antimony fluorides
NT2 argon fluorides
NT2 arsenic fluorides
NT2 barium fluorides
NT2 berkelium fluorides
NT2 beryllium fluorides
NT2 bismuth fluorides
NT2 boron fluorides
NT2 bromine fluorides
NT2 cadmium fluorides
NT2 calcium fluorides
NT2 californium fluorides
NT2 carbon fluorides
NT2 cerium fluorides
NT2 cesium fluorides
NT2 chlorine fluorides
NT2 chromium fluorides
NT2 cobalt fluorides
NT2 copper fluorides
NT2 curium fluorides
NT2 dysprosium fluorides
NT2 erbium fluorides
NT2 europium fluorides
NT2 gadolinium fluorides
NT2 gallium fluorides
NT2 germanium fluorides
NT2 gold fluorides
NT2 hafnium fluorides
NT2 holmium fluorides
NT2 indium fluorides
NT2 iodine fluorides
NT2 iridium fluorides
NT2 iron fluorides
NT2 krypton fluorides
NT2 lanthanum fluorides
NT2 lead fluorides
NT2 lithium fluorides
NT2 lutetium fluorides
NT2 magnesium fluorides
NT2 manganese fluorides
NT2 mercury fluorides
NT2 molybdenum fluorides
NT2 neodymium fluorides
NT2 neon fluorides
NT2 neptunium fluorides
NT2 nickel fluorides
NT2 niobium fluorides
NT2 nitrogen fluorides
NT2 osmium fluorides
NT2 palladium fluorides
NT2 phosphorus fluorides
NT2 platinum fluorides
NT2 plutonium fluorides
NT2 potassium fluorides
NT2 praseodymium fluorides
NT2 promethium fluorides
NT2 protactinium fluorides
NT2 radon fluorides
NT2 rhenium fluorides
NT2 rhodium fluorides
NT2 rubidium fluorides
NT2 ruthenium fluorides
NT2 samarium fluorides
NT2 scandium fluorides
NT2 selenium fluorides
NT2 silicon fluorides
NT2 silver fluorides
NT2 sodium fluorides
NT2 strontium fluorides
NT2 sulfur fluorides
NT2 tantalum fluorides
NT2 technetium fluorides
NT2 tellurium fluorides
NT2 terbium fluorides
NT2 thallium fluorides
NT2 thorium fluorides
NT2 thulium fluorides
NT2 tin fluorides
NT2 titanium fluorides
NT2 tungsten fluorides
NT2 uranium fluorides
NT3 uranium hexafluoride
NT3 uranium pentafluoride
NT3 uranium tetrafluoride
NT2 uranyl fluorides
NT2 vanadium fluorides
NT2 xenon fluorides
NT2 ytterbium fluorides
NT2 yttrium fluorides
NT2 zinc fluorides
NT2 zirconium fluorides
NT1 fluorine oxides
NT1 fluoroborates
NT1 fluoroboric acid
NT1 hydrofluoric acid
NT1 hypofluorous acid
NT1 oxyfluorides
RT organic fluorine compounds

fluorine fluorides
Use fluorine

fluorine iodides
Use iodine fluorides

FLUORINE IONS
*BT1 ions

FLUORINE ISOTOPES
BT1 isotopes
NT1 fluorine 14
NT1 fluorine 15
NT1 fluorine 16
NT1 fluorine 17
NT1 fluorine 18
NT1 fluorine 19
NT1 fluorine 20
NT1 fluorine 21
NT1 fluorine 22
NT1 fluorine 23
NT1 fluorine 24
NT1 fluorine 25
NT1 fluorine 26
NT1 fluorine 27
NT1 fluorine 29

FLUORINE OXIDES
UF *oxygen fluorides*
*BT1 fluorine compounds
*BT1 oxides
RT oxyfluorides

FLUORITE
*BT1 halide minerals
RT calcium fluorides

FLUOROBORATES
INIS: Jan 1993; ETDE: Jan 1975
BT1 boron compounds
*BT1 fluorine compounds
RT boron fluorides
RT fluoroboric acid

FLUOROBORIC ACID
INIS: Sep 1991; ETDE: Feb 1985
BT1 boron compounds
*BT1 fluorine compounds
*BT1 inorganic acids
RT fluoroborates

fluorod
Use rpl dosemeters

FLUORODEOXYGLUCOSE
INIS: May 1986; ETDE: Oct 1985
*BT1 antimetabolites
RT glucose

fluorodeoxyuridine
Use fudr

FLUOROFORM
*BT1 fluorinated aliphatic hydrocarbons
RT hydrocarbons
RT methane

fluorometers
Use fluorimeters

FLUOROSCOPY
*BT1 biomedical radiography
RT image intensifiers
RT x radiation

FLUOROURACILS
*BT1 antimetabolites
*BT1 organic fluorine compounds
*BT1 uracils
NT1 fudr

fluorox process
Use reprocessing

fluors
Use phosphors

flurex process
Use reprocessing

FLUTE INSTABILITY
UF *interchange instability*
*BT1 plasma macroinstabilities
RT hydrodynamics
RT mercier criterion

flux (cosmic ray)
Use cosmic ray flux

flux (magnetic)
Use magnetic flux

flux (metallurgy)
Use metallurgical flux

flux (neutron)
Use neutron flux

flux (radiation)
Use radiation flux

flux conserving tokamaks
Use tokamak devices

flux cored arc welding
Use arc welding

FLUX DENSITY
(Coordinate with descriptors for the flux considered, e.g., MAGNETIC FLUX, NEUTRON FLUX, etc.)
UF *density (flux)*
UF+ *neutron flux density*
NT1 radiant flux density
RT magnetic flux
RT poynting theorem
RT radiation flux

flux jumps
Use magnetic flux

flux pinning
Use magnetic flux

FLUX PUMPS
INIS: Aug 1975; ETDE: Jan 1975
(A cryogenic dc generator.)
UF *superconducting flux pumps*
*BT1 electric generators
BT1 superconducting devices

FLUX QUANTIZATION
INIS: Oct 1975; ETDE: Jun 1975
RT magnetic flux
RT superconductivity

flux surfaces
Use magnetic surfaces

FLUX SYNTHESIS
RT neutron diffusion equation
RT neutron flux

FLUXGATE MAGNETOMETERS
UF *saturable core magnetometers*
*BT1 magnetometers

FLUXMETERS
BT1 measuring instruments
NT1 squid devices
RT magnetometers

fluxoids
Use magnetic flux

FLY ASH
UF *pulverized fuel ash*
*BT1 aerosol wastes
*BT1 ashes
RT air pollution
RT lime-soda sinter process
RT particulates
RT solid wastes

FLYING SPOT DIGITIZERS
(Mechanical flying spot digitizers; see also CATHODE RAY TUBE DIGITIZERS.)
UF *fsd devices*
UF *hough-powell devices*
UF *hpd devices*
*BT1 digitizers

FLYWHEEL ENERGY STORAGE
INIS: Mar 1993; ETDE: Oct 1976
*BT1 energy storage
RT flywheel-powered vehicles
RT flywheels

FLYWHEEL-POWERED VEHICLES
INIS: Apr 2000; ETDE: Mar 1979
BT1 vehicles
RT flywheel energy storage
RT flywheels

FLYWHEELS
*BT1 energy storage systems
BT1 mechanical energy storage equipment
BT1 rotors
RT energy storage
RT flywheel energy storage
RT flywheel-powered vehicles

fm cyclotrons
Use synchrocyclotrons

FM DEVICES
(Floating multipoles.)
*BT1 internal ring devices
RT multipolar configurations

FMC DOUBLE ALKALI PROCESS
INIS: Apr 2000; ETDE: May 1979
(Desulfurization process in which sulfur dioxide is absorbed in sodium sulfite forming bisulfite. This solution is reacted with slaked lime to form solid calcium sulfite and regenerate the sodium sulfite.)
*BT1 desulfurization
RT waste processing

fmit facility
Use fmit linac

FMIT LINAC
INIS: Dec 1979; ETDE: Jan 1980
(Linear accelerator at the Hanford Fusion Materials Irradiation Test facility.)
UF *fmit facility*
*BT1 linear accelerators
RT materials testing
RT quadrupole linacs
RT thermonuclear reactor materials

FMRB REACTOR
(Physikalisch-Technische Bundesanstalt, Braunschweig, Niedersachsen, Federal Republic of Germany)
UF *braunschweig experimental reactor*
UF *braunschweig research reactor*
UF *forschungs und messreaktor braunschweig*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 test reactors

FNR REACTOR
(University of Michigan, Ann Arbor, Michigan, USA)
UF *ford nuclear reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 training reactors

foam-lift cycles
Use lift cycles

FOAM SEPARATION
BT1 separation processes
RT flotation
RT foams

FOAMS
*BT1 colloids
NT1 plastic foams
NT1 urea-formaldehyde foams
RT boiling detection
RT bubbles
RT foam separation

foce verde reactor
Use latina reactor

fock method
Use hartree-fock method

FOCK REPRESENTATION
RT mathematical space
RT quantum field theory

fock self-consistent field
Use hartree-fock method

FOCUSING
RT beam optics
RT beam shaping
RT tomography

FOCUSONS
INIS: Mar 1976; ETDE: Jan 1975
(Focused collision sequences behaving like particles in solids.)
BT1 quasi particles

focussed logging
Use resistivity logging

fodder
Use animal feeds

FOG
INIS: Jul 1992; ETDE: Mar 1977
RT atmospheric precipitations
RT vapor condensation
RT visibility
RT water vapor

fog (sprays)
Use sprays

FOG COOLED REACTORS
BT1 reactors
RT core spray systems
RT fog cooling

FOG COOLING
BT1 cooling
RT core spray systems
RT fog cooled reactors
RT spray cooling

FOILS
(Thinner than plates or sheets.)
RT films
RT plates
RT sheets

fokker-planck coefficients
Use fokker-planck equation

FOKKER-PLANCK EQUATION
UF *bessel differential equation*
UF *fokker-planck coefficients*
SF *kolmogorov equation*
*BT1 partial differential equations
RT ionized gases
RT transport theory

FOLDING MODEL
INIS: Nov 1989; ETDE: Dec 1989
*BT1 nuclear models

FOLDY-WOUTHUYSEN TRANSFORM
*BT1 canonical transformations
RT dirac equation

foliage
Use leaves

FOLIAR UPTAKE
UF *absorption (leaves)*
BT1 uptake
RT leaves

FOLIC ACID
UF *formylpteroic acid*
UF *pteroylglutamic acid*
UF *rhizopterin*
*BT1 amino acids
*BT1 hematinics
*BT1 hydroxy compounds
*BT1 pteridines
*BT1 vitamin b group
RT anemias
RT blood coagulation factors
RT citrovorum factor
RT paba

folinic acid
Use citrovorum factor

follicle stimulating hormone
Use fsh

fong-newton theory
See fission products

fong theory
See fission products

fontenay-aux-roses (cea)
Use cea fontenay-aux-roses

fontina event
Use anvil project

FOOD
UF *condiments*
UF *foodstuffs*
UF *seasonings*
NT1 animal feeds
NT2 forage
NT1 beverages
NT1 bread
NT1 cocoa products
NT1 flour
NT1 fruits
NT2 apples
NT2 apricots
NT2 avocados
NT2 bananas
NT2 berries
NT3 blueberries
NT3 raspberries
NT3 strawberries
NT2 cherries
NT2 coconuts
NT2 dates
NT2 figs
NT2 grapefruits
NT2 grapes
NT2 lemons
NT2 mangoes
NT2 nuts
NT3 chestnuts
NT2 olives
NT2 oranges
NT2 papayas
NT2 peaches
NT2 pears
NT2 pineapples
NT2 plums
NT2 tomatoes
NT1 honey
NT1 meat
NT1 milk
NT1 milk products
NT2 butter
NT2 cheese
NT2 whey
NT1 molasses
NT1 seafood
NT1 vegetables
NT2 beans
NT3 mungbeans
NT2 beets
NT3 sugar beets
NT2 brassica
NT3 kale
NT2 carrots
NT2 cucumbers
NT2 garlic
NT2 lettuce
NT2 onions
NT3 allium cepa
NT2 peas
NT2 peppers
NT2 potatoes
NT2 radishes
NT2 soybeans
NT2 spinach
NT2 yams
RT agriculture
RT biological materials
RT carbohydrates
RT cassava
RT cereals
RT consumer products
RT crops
RT diet
RT drinking water
RT eggs
RT fao
RT fats
RT feeding
RT fishes
RT food additives
RT food chains
RT food processing
RT fowl
RT ifip
RT ingestion
RT nutrients
RT nutrition
RT organoleptic properties
RT preservation
RT proteins
RT radappertization
RT radicidation
RT radiopreservation
RT radurization
RT restaurants
RT seeds
RT spices
RT sterilization
RT vitamins
RT wholesomeness

FOOD ADDITIVES
INIS: Mar 1992; ETDE: Feb 1992
BT1 additives
RT animal feeds
RT diet
RT drugs
RT food
RT vitamins

food and agriculture organization
Use fao

food and drug administration
Use us fda

FOOD CHAINS
RT diet
RT environmental exposure pathway
RT fallout deposits
RT food
RT plaice
RT predator-prey interactions
RT radioecological concentration
RT radionuclide migration

food disposers
See electric appliances

FOOD INDUSTRY
INIS: Mar 1992; ETDE: Jan 1977
BT1 industry
NT1 dairy industry
NT1 meat industry
RT beverage industry
RT food processing
RT restaurants
RT whey

food irradiation
Use food processing
AND irradiation

food irradiation (radiopasteurization)
Use radicidation

food irradiation (radiopreservation)
Use radurization

food irradiation (radiosterilization)
Use radappertization

FOOD PROCESSING
INIS: Apr 1984; ETDE: Jul 1976
(Processing of food by individuals or large-scale commercial establishments.)
UF *baking (food)*
UF *canning (food)*
UF *cooking (food)*
UF *freezing (food)*
UF *processing (food)*
UF+ *food irradiation*
SF *cooking*
BT1 processing
NT1 pasteurization
NT2 radicidation
NT1 radappertization
NT1 radurization
RT food
RT food industry
RT heat treatments
RT preservation
RT radiopreservation
RT storage life

foodstuffs
Use food

FORAGE
*BT1 animal feeds
BT1 plants
RT cattle
RT clover
RT glycine hispida
RT gramineae
RT grazing
RT pastures

FORAMINIFERA
INIS: Apr 1992; ETDE: May 1976
(An order of sarcodine protozoa, characterized by delicate calcareous shells with holes through which pseudopods are extruded.)
*BT1 sarcodina

FORATOM
INIS: Feb 1978; ETDE: Apr 1978
(Forum Atomique Europeen)
BT1 international organizations

FORBIDDEN TRANSITIONS
UF *transitions (forbidden)*
BT1 energy-level transitions
RT decay
RT selection rules

FORBUSH DECREASE
UF *forbush depression*
UF *forbush event*
RT cosmic radiation
RT magnetic storms
RT solar flares
RT solar wind

forbush depression
Use forbush decrease

forbush event
Use forbush decrease

FORCE-FREE MAGNETIC FIELDS
BT1 magnetic fields
RT astrophysics

FORCED CONVECTION
(Heat transfer by forced convection.)
UF+ *forced draft cooling towers*
UF+ *mechanical draft cooling towers*
*BT1 convection

forced draft cooling towers
Use cooling towers
AND forced convection

forcing functions
See functions

ford nuclear reactor
Use fnr reactor

FORECASTING
UF *prediction*
NT1 delphi method
NT1 projection series
RT cost estimation
RT economic policy
RT economy
RT evaluation
RT management
RT market
RT planning
RT probabilistic estimation
RT regression analysis
RT schedules
RT time-series analysis
RT weather

FOREIGN EXCHANGE RATE
INIS: Jul 1992; ETDE: Mar 1980
(The price of one currency in terms of another.)
UF *exchange rate*
RT economics
RT trade

FOREIGN POLICY
INIS: Apr 1984; ETDE: Aug 1976
SF *policy*
BT1 government policies
RT economic policy
RT embargoes
RT energy policy
RT exports
RT imports
RT international agreements
RT international cooperation
RT military assistance
RT salt talks

forensic science
Use crime detection

FORESHOCKS
INIS: Apr 2000; ETDE: Jul 1978
(Small tremors that commonly precede a larger earthquake by seconds to weeks and that originate at or near the focus of the larger earthquake.)
RT aftershocks
RT earthquakes

FOREST LITTER
(Natural organic debris on the forest floor.)
*BT1 biological materials
RT coppices
RT ecosystems
RT forests
RT humus
RT leaves

FORESTRY
INIS: Mar 1992; ETDE: Jul 1977
NT1 silviculture
RT deforestation
RT forests
RT harvesting equipment
RT paper industry
RT short rotation cultivation
RT wood products industry

FORESTS
NT1 coppices
RT canopies
RT deforestation
RT forest litter
RT forestry
RT ground cover
RT interception
RT stand density
RT terrestrial ecosystems
RT throughfall
RT trees

FORGE WELDING
UF *roll welding*
*BT1 welding

FORGING
*BT1 materials working
RT cold working
RT dies
RT hot working
RT presses
RT pressing
RT swaging

FORKED RIVER-1 REACTOR
(Forked River, New Jersey, USA.)
UF *oyster creek-2 reactor*
*BT1 pwr type reactors

FORM FACTORS
BT1 particle properties
NT1 dirac form factors
NT1 electromagnetic form factors
NT1 pauli form factors
RT nuclear reactions
RT vertex functions

formal
Use methylal

FORMALDEHYDE
UF *formalin*
UF *formalith*
UF *formic aldehyde*
UF *formol*
UF *oxymethylene*
*BT1 aldehydes
RT bakelite
RT formyl radicals
RT methylal
RT polyoxymethylenes
RT urea-formaldehyde foams

FORMALDEHYDE FUEL CELLS
INIS: Apr 2000; ETDE: Jan 1976
*BT1 fuel cells

formaldehydedimethylacetal
Use methylal

formalin
Use formaldehyde

formalith
Use formaldehyde

FORMAMIDE
*BT1 amides
RT formic acid

FORMATE FUEL CELLS
INIS: Apr 2000; ETDE: Jun 1975
*BT1 fuel cells

FORMATES
INIS: Feb 1976; ETDE: Jan 1975
BT1 carboxylic acid salts
RT formic acid

formation
Use synthesis

FORMATION DAMAGE
INIS: Aug 1992; ETDE: Jan 1983
(Damage to rock surrounding a borehole that adversely affects well productivity.)
UF *condition ratio*
UF *damage factor*
UF *damage ratio*
UF *damage zone*
UF *improvement ratio*
UF *permeability damage*
UF *permeability reduction*
UF *porosity reduction*
UF *productivity factor*
UF *skin damage*
UF *skin effect (well)*
UF *well bore damage*
UF *well skin effect*
RT boreholes
RT geologic formations
RT porosity
RT reservoir rock
RT wells

formation enthalpy
Use formation heat

FORMATION FREE ENERGY
*BT1 free energy
RT formation heat

FORMATION FREE ENTHALPY
INIS: Mar 1976; ETDE: May 1976
UF *gibbs formation free energy*
*BT1 free enthalpy
RT entropy
RT formation heat

FORMATION HEAT
UF *enthalpy of formation*
UF *formation enthalpy*
UF *heat of formation*
*BT1 reaction heat
RT dissociation energy
RT dissociation heat
RT formation free energy
RT formation free enthalpy
RT thermochemical heat storage

formation pressure
Use reservoir pressure

formation water
Use interstitial water

FORMED COKE PROCESSES
INIS: Apr 2000; ETDE: Aug 1976
(Processes for forming compressed coal briquets of uniform size and with sufficient strength after carbonization for blast furnace use.)
RT briquetting
RT coke
RT coke ovens

former yugoslav republic of macedonia
Use the former yugoslav republic of macedonia

FORMIC ACID
*BT1 monocarboxylic acids
RT formamide
RT formates

FORMIC ACID FUEL CELLS
INIS: Apr 2000; ETDE: Apr 1976
*BT1 fuel cells

formic aldehyde
Use formaldehyde

forming (materials)
Use materials working

formol
Use formaldehyde

formosa
Use taiwan

FORMVAR
*BT1 plastics
*BT1 polyacetals

FORMYL RADICALS
*BT1 acyl radicals
RT formaldehyde

formylpteroic acid
Use folic acid

forschungs und messreaktor braunschweig
Use fmrb reactor

forschungsreaktor-2 frankfurt
Use frf-2 reactor

forschungsreaktor berlin-2
Use ber-2 reactor

forschungsreaktor frankfurt
Use frf reactor

forschungsreaktor geesthacht-1
Use frg-1 reactor

forschungsreaktor geesthacht-2
Use frg-2 reactor

forschungsreaktor muenchen
Use frm reactor

forschungsreaktor neuherberg
Use frn reactor

FORSCHUNGSZENTRUM JUELICH
(Until March 1995 this was known as KERNFORSCHUNGSANLAGE JUELICH.)
UF *juelich (kernforschungsanlage)*
UF *kernforschungsanlage juelich*
*BT1 german fr organizations

FORSCHUNGSZENTRUM KARLSRUHE
(Until October 1995 this was known as KERNFORSCHUNGSZENTRUM KARLSRUHE.)
UF *karlsruhe (forschungszentrum)*
UF *karlsruhe (kernforschungszentrum)*
UF *karlsruhe nuclear research center*
UF *kernforschungszentrum karlsruhe*
*BT1 german fr organizations

FORSMARK-1 REACTOR
(Oesthammar, Uppsala, Sweden)
*BT1 bwr type reactors

FORSMARK-2 REACTOR
INIS: Feb 1977; ETDE: Apr 1977
(Oesthammar, Uppsala, Sweden)
*BT1 bwr type reactors

FORSMARK-3 REACTOR
INIS: Sep 1976; ETDE: Nov 1976
(Oesthammar, Uppsala, Sweden)
*BT1 bwr type reactors

fort calhoun-1 reactor
Use calhoun-1 reactor

fort calhoun-2 reactor
Use calhoun-2 reactor

fort shevchenko reactor
Use bn-350 reactor

fort st. vrain reactor
Use vrain reactor

fort worth astr reactor
Use astr reactor

fort worth gtr reactor
Use gtr reactor

forth
Use programming languages

fortissimo reactor
Use rapsodie reactor

FORTRAN
BT1 programming languages

FOSSIL-FUEL POWER PLANTS
(STATIONARY POLLUTANT SOURCES)
UF *san juan power plant*
UF+ *mine-mouth generating plants*
*BT1 thermal power plants
NT1 kingston steam plant
NT1 paradise steam plant
NT1 shawnee steam plant
NT1 widows creek steam plant
RT boiler fuels
RT coal-fired gas turbines
RT mhd power plants
RT solar repowering
RT us power plant and industrial fuel use act

fossil fuel reserves
Use fossil fuels
AND reserves

FOSSIL FUELS
UF+ *fossil fuel reserves*
BT1 energy sources
BT1 fuels
NT1 coal
NT2 black coal
NT3 anthracite
NT3 bituminous coal
NT2 brown coal
NT3 lignite
NT2 coal fines
NT2 sapropelic coal
NT3 boghead coal
NT4 torbanite
NT3 cannel coal
NT2 subbituminous coal
NT1 natural gas
NT2 abiogenic gas
NT2 liquefied natural gas
NT1 oil sands
NT1 oil shales
NT2 black shales
NT1 peat
NT1 petroleum
NT2 petroleum fractions
NT3 petroleum distillates
NT4 gas oils
NT5 diesel fuels
NT5 fuel oils
NT6 heating oils
NT6 residual fuels
NT5 kerosene
NT3 petroleum residues
NT3 refinery gases
NT2 residual petroleum
NT2 shale oil
NT3 shale oil fractions
NT2 sour crudes
RT briquets
RT coke
RT fuel feeding systems
RT fuel substitution
RT us power plant and industrial fuel use act

FOSSILS
INIS: Jul 1980; ETDE: Feb 1978
(Remains, traces, or imprints of organisms preserved in the earth's crust some time in geologic past.)
UF *plant fossils*
UF *skeletal fossils*
RT animals
RT archaeological specimens
RT biological evolution
RT paleoclimatology
RT paleontology
RT sedimentary rocks

foster wheeler gasification process
Use combined-cycle fw process

foucault current
Use electric currents
AND magnetic flux

FOULING
INIS: Apr 1979; ETDE: Nov 1975
(Deposition of unwanted materials on equipment, e.g., heat exchangers, usually in a water environment.)
NT1 biological fouling
RT antifoulants
RT contamination
RT corrosion
RT deposition
RT deposits
RT filters
RT impingement
RT screens
RT water pollution

FOUNDATIONS
INIS: Dec 1975; ETDE: Jan 1975
UF *building foundations*
UF *piles*
*BT1 supports
RT basements
RT buildings
RT construction
RT soil-structure interactions

FOUNDRIES
INIS: Jun 1993; ETDE: Aug 1976
BT1 industrial plants
RT casting
RT metal industry

FOUR-BODY PROBLEM
BT1 many-body problem

FOUR-DIMENSIONAL CALCULATIONS
UF *4-dimensional calculations*

UF *calculations (4-dimensional)*
RT many-dimensional calculations
RT mathematics

four-fermion interaction
Use fermi interactions

FOUR MOMENTUM TRANSFER
INIS: Feb 1978; ETDE: Apr 1978
UF *transfer (four momentum)*
UF *transfer (q-squared)*
BT1 momentum transfer
RT cross sections
RT electromagnetic form factors
RT linear momentum transfer
RT particle interactions
RT rosenbluth formula
RT scattering

four-nucleon structure
Use quartet model

FOUR-NUCLEON TRANSFER REACTIONS
*BT1 multi-nucleon transfer reactions
NT1 alpha-transfer reactions

FOUR-PI COUNTING
BT1 counting techniques
RT four-pi detectors

FOUR-PI DETECTORS
INIS: Jun 1994; ETDE: Jun 1994
*BT1 radiation detectors
RT four-pi counting

four wave mixing
Use frequency mixing

FOURIER ANALYSIS
UF *analysis (fourier)*
RT frequency analysis
RT mathematics
RT normal-mode analysis

FOURIER HEAT EQUATION
*BT1 partial differential equations
RT heat transfer

FOURIER TRANSFORM SPECTROMETERS
INIS: Oct 1991; ETDE: Jul 1983
*BT1 spectrometers
RT emission spectroscopy

FOURIER TRANSFORMATION
*BT1 integral transformations

FOURMARIERITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 uranium minerals
RT lead oxides
RT uranium oxides

FOURTH SOUND
RT sound waves
RT superfluidity

FOWL
UF *poultry*
*BT1 birds
NT1 chickens
NT1 ducks
NT1 geese
RT food
RT pigeons

fowler equation
Use fowler-nordheim theory

FOWLER-NORDHEIM THEORY
UF *fowler equation*
RT photoelectric effect

FOXES
INIS: Feb 1993; ETDE: Mar 1985
UF *urocyon*
UF *vulpes*
*BT1 mammals
RT coyotes
RT dogs
RT wild animals
RT wolves

fpc
Use us federal power commission

fpc gas areas
Use ferc gas areas

FR-0 REACTOR
UF *studsvik fr-0 reactor*
*BT1 enriched uranium reactors
*BT1 fast reactors
*BT1 research reactors
*BT1 training reactors
*BT1 zero power reactors

FR-2 REACTOR
(Gesellschaft fuer Kernforschung mbH, Karlsruhe, Baden-Wuerttemberg, Federal Republic of Germany)
UF *karlsruhe research reactor fr-2*
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors

fracer-fulco method
Use dispersion relations

FRACTALS
INIS: May 1987; ETDE: Jun 1987
(Fractals have structure which looks the same for any level of magnification.)
RT metrics
RT topology

FRACTIONAL-PARENTAGE COEFFICIENTS
(Numerical coefficients for proper antisymmetric combinations of wave functions for (n-1) and 1 particles to form wave functions for n-particle states.)
RT n*baryons
RT orbital angular momentum
RT wave functions

FRACTIONATED IRRADIATION
UF *dose fractionation*
UF *split dose irradiation*
BT1 irradiation
RT cumulative radiation effects
RT dose-response relationships
RT radiation doses
RT radiotherapy
RT temporal dose distributions

FRACTIONATION
INIS: Dec 1985; ETDE: Apr 1975
BT1 separation processes
RT dissolution
RT distillation
RT two-dimensional electrophoresis

FRACTOGRAPHY
RT ceramography
RT fractures
RT metallography
RT photomicrography

FRACTURE MECHANICS
INIS: Sep 1980; ETDE: Oct 1980
BT1 mechanics
RT crack propagation
RT cracks
RT defects
RT fracture properties
RT fractures
RT stress intensity factors

FRACTURE PROPERTIES
UF *fracture strength*
UF *fracture toughness*
UF *strength (fracture)*
UF *toughness (fracture)*
BT1 mechanical properties
RT cracks
RT failures
RT fracture mechanics
RT fractures
RT helium embrittlement
RT hydrogen embrittlement
RT ruptures
RT stress intensity factors

fracture strength
Use fracture properties

fracture toughness
Use fracture properties

fractured formations
Use fractured reservoirs

FRACTURED RESERVOIRS
INIS: Apr 1992; ETDE: Aug 1977
UF *fissured formations*
UF *fractured formations*
BT1 geologic structures
RT geologic fissures
RT reservoir rock

FRACTURES
BT1 failures
NT1 hydraulic fractures
NT1 thermal fractures
RT crack propagation
RT cracks
RT defects
RT deformation
RT explosive fracturing
RT fractography
RT fracture mechanics
RT fracture properties
RT fracturing
RT fragmentation
RT geologic fissures
RT geologic fractures
RT hydraulic fracturing
RT ruptures
RT stress intensity factors

fractures (bone)
Use bone fractures

FRACTURING
INIS: Feb 1981; ETDE: Feb 1975
NT1 electrolinking
NT1 explosive fracturing
NT1 hydraulic fracturing
NT1 thermal fracturing
RT comminution
RT fractures
RT fragmentation
RT surface mining
RT underground mining

FRACTURING FLUIDS
INIS: Apr 2000; ETDE: Oct 1982
UF *hydraulic fracturing fluids*
BT1 fluids
RT hydraulic fractures
RT hydraulic fracturing
RT well stimulation

FRAGMENTATION
INIS: Nov 1975; ETDE: May 1975
(Until August 1995 this concept was indexed to MECHANICAL FRAGMENTATION. See also NUCLEAR FRAGMENTATION.)
UF *mechanical fragmentation*
UF *shattering*
RT comminution
RT crushing
RT fractures
RT fracturing

fragmentation (limiting)
Use limiting fragmentation

fragments (decay)
Use decay

fragments (fallout)
Use fallout

fragments (fission)
Use fission fragments

fragments (nuclear)
Use nuclear fragments

fragments (particles)
Use particles

fragments (spallation)
Use spallation fragments

FRANCE
BT1 developed countries
*BT1 western europe
RT alps
RT bay of biscay
RT cea
RT cnrs solar facility
RT oecd
RT rhine river
RT rhone river

francevillite
Use oxide minerals
AND uranium minerals

FRANCIUM
*BT1 alkali metals

FRANCIUM 199
INIS: Jul 1999; ETDE: Nov 1999
*BT1 alpha decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

FRANCIUM 200
INIS: Oct 1995; ETDE: Sep 1995
*BT1 alpha decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

FRANCIUM 201
INIS: May 1979; ETDE: Sep 1979
*BT1 alpha decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

FRANCIUM 202
INIS: May 1979; ETDE: Sep 1979
*BT1 alpha decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

FRANCIUM 203
*BT1 alpha decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

FRANCIUM 204
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

FRANCIUM 205
*BT1 alpha decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

FRANCIUM 206
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

FRANCIUM 207
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

FRANCIUM 208
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

FRANCIUM 209
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

FRANCIUM 210
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

FRANCIUM 211
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 nanoseconds living radioisotopes
*BT1 odd-even nuclei

FRANCIUM 212
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 microseconds living radioisotopes
*BT1 minutes living radioisotopes
*BT1 nanoseconds living radioisotopes
*BT1 odd-odd nuclei

FRANCIUM 213
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 microseconds living radioisotopes
*BT1 nanoseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

FRANCIUM 214
*BT1 alpha decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

FRANCIUM 215
*BT1 alpha decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 nanoseconds living radioisotopes
*BT1 odd-even nuclei

FRANCIUM 216
*BT1 alpha decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 nanoseconds living radioisotopes
*BT1 odd-odd nuclei

FRANCIUM 217
*BT1 alpha decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 microseconds living radioisotopes
*BT1 odd-even nuclei

FRANCIUM 218
*BT1 alpha decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

FRANCIUM 219
*BT1 alpha decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

FRANCIUM 220
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

FRANCIUM 221
*BT1 alpha decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes

*BT1 odd-even nuclei

FRANCIUM 222
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

FRANCIUM 223
UF *actinium k*
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

FRANCIUM 224
*BT1 beta-minus decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

FRANCIUM 225
*BT1 beta-minus decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

FRANCIUM 226
INIS: Jul 1976; ETDE: Aug 1976
*BT1 beta-minus decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

FRANCIUM 227
INIS: Jul 1976; ETDE: Aug 1975
*BT1 beta-minus decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

FRANCIUM 228
INIS: Jul 1976; ETDE: Aug 1975
*BT1 beta-minus decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

FRANCIUM 229
INIS: Jan 1979; ETDE: Aug 1975
*BT1 beta-minus decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

FRANCIUM 230
INIS: May 1979; ETDE: Sep 1979
*BT1 beta-minus decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

FRANCIUM 231
INIS: May 1985; ETDE: May 1985
*BT1 beta-minus decay radioisotopes
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

FRANCIUM 232
INIS: Dec 1990; ETDE: Jan 1991
*BT1 francium isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

FRANCIUM ADDITIONS
(Alloys containing not more than 1% Fr are listed here.)
*BT1 francium alloys
RT francium compounds

FRANCIUM ALLOYS
INIS: Apr 2000; ETDE: Dec 1974
BT1 alloys
NT1 francium additions

francium chlorides
Use chlorides
AND francium compounds

francium complexes
Use alkali metal complexes

FRANCIUM COMPOUNDS
UF+ *francium chlorides*
BT1 alkali metal compounds
RT francium additions

FRANCIUM IONS
*BT1 ions

FRANCIUM ISOTOPES
BT1 isotopes
NT1 francium 199
NT1 francium 200
NT1 francium 201
NT1 francium 202
NT1 francium 203
NT1 francium 204
NT1 francium 205
NT1 francium 206
NT1 francium 207
NT1 francium 208
NT1 francium 209
NT1 francium 210
NT1 francium 211
NT1 francium 212
NT1 francium 213
NT1 francium 214
NT1 francium 215
NT1 francium 216
NT1 francium 217
NT1 francium 218
NT1 francium 219
NT1 francium 220
NT1 francium 221
NT1 francium 222
NT1 francium 223
NT1 francium 224
NT1 francium 225
NT1 francium 226
NT1 francium 227
NT1 francium 228
NT1 francium 229
NT1 francium 230
NT1 francium 231
NT1 francium 232

FRANCK-CONDON PRINCIPLE
RT energy-level transitions

franckenstein
Use scanning measuring projectors

franco-german high flux reactor
Use grenoble reactor

frank dislocations
Use screw dislocations

frank loops
Use screw dislocations

frank-read source
See dislocations

frankfurt research reactor
Use frf reactor

frankfurt research reactor-2
Use frf-2 reactor

FRANKIA
INIS: Apr 2000; ETDE: Jul 1986
*BT1 actinomyces
RT mycorrhizas
RT nitrogen fixation
RT symbiosis

FRASCATI LINAC
*BT1 linear accelerators

FRASCATI SYNCHROTRON
*BT1 synchrotrons

frascati tokamak
Use ft tokamak

FRASER RIVER
INIS: Apr 2000; ETDE: Nov 1975
*BT1 rivers
RT canada

FRAUD
INIS: Apr 2000; ETDE: May 1983
BT1 crime

FRAUNHOFER LINES
UF *fraunhofer spectrum*
RT spectra

fraunhofer spectrum
Use fraunhofer lines

frc
Use federal radiation council

FRCTF REACTOR
UF *fast reactor core test facility*
UF *lampre-2 reactor*
*BT1 test reactors

FREDHOLM EQUATION
*BT1 integral equations

free convection
Use natural convection

FREE ELECTRON LASERS
INIS: Apr 1981; ETDE: Jan 1979
BT1 lasers

FREE ENERGY
UF *free energy (helmholtz)*
UF *helmholtz free energy*
BT1 energy
*BT1 thermodynamic properties
NT1 formation free energy
NT1 surface energy
RT affinity

free energy (gibbs)
Use free enthalpy

free energy (helmholtz)
Use free energy

FREE ENTHALPY
UF *free energy (gibbs)*
UF *gibbs free energy*
BT1 energy
*BT1 thermodynamic properties
NT1 formation free enthalpy

NT1 oxygen potential

free radicals
Use radicals

free steered vehicles
Use trackless vehicles

FREEDOM OF INFORMATION ACT
INIS: Apr 2000; ETDE: Sep 1976
BT1 laws
RT legislation

freeze-cycle system
See freeze protection
OR solar heating systems
OR solar water heaters

freeze drying
See lyophilization

FREEZE PROTECTION
INIS: Apr 2000; ETDE: Oct 1977
(From March 1978 until March 1996 DRAIN-DOWN SYSTEMS was a valid ETDE descriptor.)
UF *drain-down systems*
SF *freeze-cycle system*
RT antifreeze
RT melting points
RT safety engineering
RT working fluids

FREEZERS
INIS: Aug 1993; ETDE: Jun 1977
*BT1 appliances
RT electric appliances
RT gas appliances
RT refrigerators

FREEZING
BT1 phase transformations
RT antifreeze
RT cryobiology
RT defrosting
RT lyophilization
RT melting
RT solidification
RT thawing

freezing (food)
Use food processing

FREEZING OUT
BT1 separation processes
RT desalination
RT temperature range 0065-0273 k
RT waste processing

freezing point depression
Use cryoscopy

freezing points
Use melting points

freight
Use cargo

freight pipelines
Use pipelines

FRENCH GUIANA
*BT1 south america

french minerve reactor
Use minerve reactor

FRENCH ORGANIZATIONS
BT1 national organizations
NT1 cea
NT2 cea bruyeres-le-chatel
NT2 cea cadarache
NT2 cea fontenay-aux-roses
NT2 cea grenoble
NT2 cea la hague
NT2 cea marcoule
NT2 cea pierrelatte
NT2 cea saclay
NT1 cogema
NT2 cogema la hague
NT2 cogema marcoule
NT2 cogema pierrelatte
NT1 electricite de france

FRENKEL DEFECTS
*BT1 vacancies

FREONS
*BT1 halogenated aliphatic hydrocarbons
RT chlorofluorocarbons
RT cryogenics
RT hydrocarbons
RT refrigerants

frequency (cyclotron)
Use cyclotron frequency

frequency (eigen)
Use eigenfrequency

frequency (gyro)
Use gyrofrequency

frequency (langmuir)
Use langmuir frequency

FREQUENCY ANALYSIS
INIS: May 1979; ETDE: Sep 1979
NT1 digital frequency analysis
RT data processing
RT digital filters
RT fourier analysis
RT frequency measurement

FREQUENCY CONTROL
INIS: Feb 1976; ETDE: Oct 1975
BT1 control
RT frequency dependence
RT frequency measurement
RT frequency modulation
RT frequency selection
RT tuning

FREQUENCY CONVERTERS
RT frequency range
RT heterodyne receivers
RT parametric amplifiers
RT pulse generators

FREQUENCY DEPENDENCE
UF *wavelength dependence*
RT frequency control
RT frequency measurement
RT frequency range

FREQUENCY MEASUREMENT
RT frequency analysis
RT frequency control
RT frequency dependence
RT frequency modulation
RT measuring methods

FREQUENCY MIXING
INIS: Sep 1986; ETDE: Jan 1986
(The combination of two or more electromagnetic waves in a nonlinear medium to form another wave whose frequency is a sum or difference of the frequencies of the incident waves.)
UF *four wave mixing*
NT1 harmonic generation
RT electromagnetic radiation
RT frequency modulation
RT nonlinear optics
RT nonlinear problems
RT plasma waves
RT sound waves

frequency modulated cyclotrons
Use synchrocyclotrons

FREQUENCY MODULATION
INIS: Oct 1985; ETDE: Sep 1981
BT1 modulation
RT frequency control
RT frequency measurement
RT frequency mixing
RT frequency selection

FREQUENCY RANGE
NT1 ghz range
NT2 ghz range 01-100
NT2 ghz range 100-1000
NT1 hz range
NT1 khz range
NT2 khz range 01-100
NT2 khz range 100-1000
NT1 mhz range
NT2 mhz range 01-100
NT2 mhz range 100-1000
NT1 milli hz range
NT1 thz range
NT2 thz range 01-100
NT2 thz range 100-1000
RT frequency converters
RT frequency dependence
RT radar
RT sonar
RT wavelengths

FREQUENCY RESPONSE TESTING
INIS: Jul 1976; ETDE: Jan 1975
BT1 testing
RT reactor stability

FREQUENCY SELECTION
INIS: Nov 1975; ETDE: Jan 1975
BT1 tuning
RT frequency control
RT frequency modulation
RT lasers
RT mode selection

FRESH WATER
*BT1 water
RT drinking water
RT estuaries
RT fathead minnow
RT irrigation
RT lakes
RT limnology
RT rivers
RT rotifera
RT water reservoirs

fresh water ecosystems
Use aquatic ecosystems

FRESNEL COEFFICIENT
(One minus the reciprocal of the square of the refractive index.)
RT refraction
RT refractive index
RT visible radiation

FRESNEL LENS
INIS: Jun 1976; ETDE: Jan 1975
(A lens with a surface consisting of a concentric series of simple lens sections.)
BT1 lenses
RT solar concentrators

FRESNEL REFLECTORS
INIS: Jul 1992; ETDE: Sep 1981
(Mirrors with varying orientation arranged so as to have the optical properties of a smooth reflector, e.g., parabolic reflector.)
BT1 mirrors
*BT1 solar reflectors

FRETTING CORROSION
*BT1 corrosion

FREUNDS ADJUVANT
RT antigens

FREYALITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 silicate minerals
*BT1 thorium minerals
RT thorium silicates

FRF-2 REACTOR
UF *forschungsreaktor-2 frankfurt*
UF *frankfurt research reactor-2*
*BT1 triga type reactors

FRF REACTOR
(Johann Wolfgang Goethe-Univ., Frankfurt am Main, Essen, Federal Republic of Germany)
UF *forschungsreaktor frankfurt*
UF *frankfurt research reactor*
*BT1 aqueous homogeneous reactors
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 research reactors
*BT1 training reactors

FRG-1 REACTOR
(Gesellschaft fuer Kernenergieverwertung in Schiffbau und Schiffarht mbH, Geesthacht, Schleswig-Holstein, Federal Republic of Germany)
UF *forschungsreaktor geesthacht-1*
UF *geesthacht-1 research reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 training reactors

FRG-2 REACTOR
(Gesellschaft fuer Kernenergieverwertung in Schiffbau and Schiffahrt mbH, Geesthacht, Schleswig-Holstein, Federal Republic of Germany)
UF *forschungsreaktor geesthacht-2*
UF *geesthacht-2 research reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 materials testing reactors
*BT1 pool type reactors
*BT1 research reactors

frh reactor
Use triga-1-hanover reactor

friambient process
Use coal liquefaction

fricke dosemeters
Use chemical dosemeters

FRICTION
NT1 internal friction
NT1 rolling friction
NT1 sliding friction
RT energy losses
RT friction factor
RT tribology
RT wear

friction (internal)
Use internal friction

FRICTION FACTOR
INIS: Mar 1983; ETDE: Jun 1977
(Dimensionless number used in study of fluid friction in conduits; not for coefficient of friction.)
RT fluid flow
RT fluid mechanics
RT friction
RT hydraulics
RT reynolds number

FRICTION WELDING
*BT1 welding

frictionless flow
Use ideal flow

FRIEDEL-CRAFTS REACTION
BT1 chemical reactions

FRJ-1 REACTOR
(Kernforschungsanlage Juelich GmbH, Juelich, Nordrhein-Westfalen, Federal Republic of Germany)
UF *juelich-merlin reactor*
UF *merlin-juelich reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors

FRJ-2 REACTOR
(Kernforschungsanlage Juelich GmbH, Juelich, Nordrhein-Westfalen, Federal Republic of Germany)
UF *dido-juelich reactor*
UF *juelich-dido reactor*
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 materials testing reactors
*BT1 research reactors
*BT1 tank type reactors

FRM REACTOR
(Technische Universitaet Muenchen, Ministry for Education and Culture, Garching, Bayern, Federal Republic of Germany)
UF *forschungsreaktor muenchen*
UF *munich research reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors

frm reactors (thermonuclear)
Use magnetic mirror type reactors

FRN REACTOR
(Gesellschaft fuer Strahlen und Umweltforschung mbH, Neuherberg, Bayern, Federal Republic of Germany)
UF *forschungsreaktor neuherberg*
UF *neuherberg research reactor*
*BT1 pool type reactors
*BT1 research reactors
*BT1 test reactors
*BT1 triga type reactors

FROGS
UF *rana*
*BT1 amphibians
RT salamanders
RT toads

FROST
INIS: Apr 1984; ETDE: Jan 1975
BT1 ice
RT crystallization
RT defrosting
RT solidification
RT weather

FROST TESTS
*BT1 thermal testing

FROUDE NUMBER
RT fluid flow

FRUCTOSE
UF *levulose*
*BT1 hexoses
*BT1 ketones

fruit (seeds)
Use seeds

FRUIT FLIES
(From January 1976 till March 1997 RHAGOLETIS CERASI was avalid ETDE descriptor.)
UF *cherry fruit fly*
UF *rhagoletis cerasi*
*BT1 flies
NT1 anastrepha
NT1 ceratitis capitata
NT1 dacus
NT2 dacus oleae
NT1 drosophila

FRUIT TREES
*BT1 trees
RT apples
RT apricots
RT avocados
RT banana plants
RT bananas
RT cherries
RT citrus
RT fruits
RT peaches

FRUITS
(Edible parts of plants only.)
BT1 food
NT1 apples
NT1 apricots
NT1 avocados
NT1 bananas
NT1 berries
NT2 blueberries
NT2 raspberries
NT2 strawberries
NT1 cherries
NT1 coconuts
NT1 dates
NT1 figs
NT1 grapefruits
NT1 grapes
NT1 lemons
NT1 mangoes
NT1 nuts
NT2 chestnuts
NT1 olives
NT1 oranges
NT1 papayas
NT1 peaches
NT1 pears
NT1 pineapples
NT1 plums
NT1 tomatoes
RT crops
RT fruit trees
RT plants

fsa
Use fsc approximation

FSC APPROXIMATION
(Fixed Scattering Centres approximation.)
UF *approximation (fixed scattering centres)*
UF *fixed scattering centres approximation*
UF *fsa*
RT glauber theory
RT many-body problem
RT optical models
RT scattering

fsd devices
Use flying spot digitizers

FSH
UF *follicle stimulating hormone*
*BT1 gonadotropins
RT estrogens

FT TOKAMAK
INIS: Oct 1983; ETDE: Nov 1983
UF *frascati tokamak*
UF *ftu tokamak*
*BT1 tokamak devices

FT VALUE
RT beta decay
RT branching ratio
RT decay
RT decoupling
RT half-life

ftr reactor (richland)
Use fftf reactor

ftu tokamak
Use ft tokamak

fucose
Use hexoses

FUCUS
*BT1 chromophycota
*BT1 seaweeds

FUDR
UF *fluorodeoxyuridine*
*BT1 antimicrobial agents
*BT1 fluorouracils
*BT1 nucleosides
*BT1 radiosensitizers
RT deoxyuridine

FUEL ADDITIVES
INIS: May 1992; ETDE: Mar 1979
BT1 additives
RT fuels
RT tel

FUEL ADJUSTMENT MECHANISMS
INIS: Apr 2000; ETDE: Mar 1979
RT prices
RT public utilities

FUEL-AIR RATIO
INIS: Jul 1992; ETDE: Jul 1976
UF *air-fuel ratio*
RT air
RT carburetors
RT combustion
RT combustion control
RT fuels
RT oxygen enrichment

FUEL ASSEMBLIES
NT1 fuel element clusters
NT1 reloadable fuel assemblies
NT1 replaceable fuel assemblies
RT fuel assembly dismantling
RT fuel elements
RT guide tubes
RT reactor cores
RT shrouds

FUEL ASSEMBLY DISMANTLING
UF *dismantling (fuel assembly)*
RT fuel assemblies
RT reactor dismantling

fuel bundles
Use fuel element clusters

FUEL CANS
UF *fuel sheaths*
UF *sheaths (fuel)*
RT canning
RT cladding
RT decladding
RT failed element detection
RT failed element monitors
RT fuel elements
RT fuel-cladding interactions
RT hot spots
RT jackets

fuel casks
Use casks

fuel cell catalysts
Use electrocatalysts

FUEL CELL POWER PLANTS
INIS: May 1992; ETDE: Apr 1975
(For commercial, residential, or electric utility use.)
BT1 power plants
RT fuel cells

FUEL CELLS
BT1 direct energy converters
BT1 electrochemical cells
NT1 acid electrolyte fuel cells
NT1 alcohol fuel cells
NT2 direct methanol fuel cells
NT1 alkaline electrolyte fuel cells
NT1 ammonia fuel cells
NT1 biochemical fuel cells
NT1 coal fuel cells
NT1 formaldehyde fuel cells
NT1 formate fuel cells
NT1 formic acid fuel cells
NT1 high-temperature fuel cells
NT2 molten carbonate fuel cells
NT2 solid oxide fuel cells
NT1 hydrazine fuel cells
NT1 hydrocarbon fuel cells
NT1 hydrogen fuel cells
NT1 natural gas fuel cells
NT1 regenerative fuel cells
NT2 redox fuel cells
NT1 solid electrolyte fuel cells
NT2 proton exchange membrane fuel cells
NT2 solid oxide fuel cells
RT electric-powered vehicles
RT electrochemistry
RT fuel cell power plants
RT matrix materials
RT metal-gas batteries
RT off-peak energy storage
RT solid electrolytes

FUEL CHANNELS
*BT1 reactor channels
RT ducts
RT fuel elements
RT hot channel
RT shrouds

FUEL-CLADDING INTERACTIONS
UF *cladding-fuel interactions*
RT chemical reactions
RT fuel cans
RT nuclear fuels

FUEL CONSUMPTION
INIS: Mar 1992; ETDE: Feb 1975
UF *fuel economy*
BT1 energy consumption
RT automotive fuels
RT consumption rates
RT demand
RT fuels
RT off-highway use
RT on-highway use

FUEL-COOLANT INTERACTIONS
UF *coolant-fuel interactions*
RT chemical reactions
RT coolants
RT fluid-structure interactions
RT molten metal-water reactions
RT nuclear fuels
RT reactor accidents

fuel cooling installations
Use spent fuel storage

FUEL COOLING TIME
INIS: Jul 1980; ETDE: May 1980
(The cooling time of spent fuel after its discharge from the reactor core.)
BT1 cooling time
RT after-heat
RT burnup
RT cooling
RT fission products
RT fuel storage pools
RT gamma spectroscopy
RT spent fuel storage
RT spent fuels

FUEL CYCLE
UF *recycle (nuclear fuel)*
NT1 plutonium recycle
NT1 thorium cycle
NT1 uranium recycle
RT burnup
RT cost
RT depleted uranium
RT fissionable materials
RT fuel cycle centers
RT fuel management
RT harvest process
RT nuclear fuels
RT nuclear materials management
RT present worth method
RT proliferation
RT reprocessing
RT risk assessment
RT sol-gel process
RT westinghouse recycle fuels plant

FUEL CYCLE CENTERS
INIS: Jul 1978; ETDE: Aug 1978
UF *nuclear fuel centers*
BT1 nuclear facilities
RT feed materials plants
RT fuel cycle
RT fuel fabrication plants
RT fuel reprocessing plants
RT fuel storage pools
RT plutonium recycle
RT radioactive waste disposal
RT radioactive waste facilities
RT radioactive waste processing
RT radioactive waste storage

RT spent fuel storage
RT uranium recycle

FUEL DENSIFICATION
(The increase in density of nuclear fuel resulting from thermal and/or radiation effects.)
RT density
RT fuel elements
RT nuclear fuels
RT physical radiation effects
RT reactor safety

FUEL DISPERSION REACTORS
*BT1 homogeneous reactors
NT1 fluidized bed reactors
NT1 slurry reactors
RT dispersion nuclear fuels

fuel economy
Use fuel consumption

FUEL ELEMENT CLUSTERS
UF *bundles (fuel elements)*
UF *clusters (fuel elements)*
UF *fuel bundles*
UF *rod bundles*
BT1 fuel assemblies
RT spacers

FUEL ELEMENT FAILURE
BT1 failures
RT failed element detection
RT failed element monitors
RT fuel motion detection
RT radiation hazards
RT reactor accidents
RT reactor operation
RT reactor safety

FUEL ELEMENTS
(From January 1975 to February 1997 FUEL SPHERES was a valid ETDE descriptor.)
UF *fuel spheres*
UF *nuclear fuel elements*
UF *reactor fuel elements*
UF *spheres (fuel)*
BT1 reactor components
NT1 annular fuel elements
NT1 fuel pins
NT1 fuel plates
NT1 fuel rods
NT2 hollow fuel rods
NT1 fuel wires
NT1 spent fuel elements
NT1 thermionic fuel elements
RT burnout
RT decladding
RT failed element detection
RT failed element monitors
RT fuel assemblies
RT fuel cans
RT fuel channels
RT fuel densification
RT fuel fabrication plants
RT fuel integrity
RT fuel storage pools
RT matrix materials
RT nuclear fuels
RT positioning
RT post-irradiation examination
RT reactor cores
RT reactor lattices
RT reactors

FUEL FABRICATION PLANTS
(Prior to March 1997 GENERAL ATOMIC FUEL FABRICATION FACILITY was a valid ETDE descriptor.)
UF *general atomic fuel fabrication facility*
BT1 nuclear facilities
NT1 cimarron plutonium production plant
NT1 cimarron uranium fuel plant
NT1 exxon fuel fabrication facility
NT1 mixed oxide fuel fabrication plants
NT1 westinghouse recycle fuels plant
RT fabrication
RT fuel cycle centers
RT fuel elements
RT industrial plants
RT nuclear industry
RT nuclear parks

FUEL FEEDING SYSTEMS
INIS: Mar 1983; ETDE: Jul 1976
UF *coaltek process*
BT1 fuel systems
NT1 stokers
RT fossil fuels
RT fuel gas
RT materials handling
RT pellet injection
RT pulverizers
RT thermonuclear fuels
RT thermonuclear reactor fueling

FUEL GAGES
INIS: Apr 2000; ETDE: Jan 1975
BT1 measuring instruments

FUEL GAS
BT1 energy sources
*BT1 gas fuels
*BT1 gases
NT1 high btu gas
NT1 intermediate btu gas
NT2 carburetted water gas
NT2 town gas
NT2 water gas
NT1 low btu gas
NT2 producer gas
NT1 natural gas
NT2 abiogenic gas
NT2 liquefied natural gas
RT coal gas
RT dual-fuel engines
RT fuel feeding systems
RT hot gas cleanup
RT public utilities
RT refinery gases
RT synthetic fuels

FUEL INJECTION SYSTEMS
INIS: Aug 1992; ETDE: May 1975
BT1 fuel systems
RT atomization
RT combustion
RT combustion chambers
RT diesel engines
RT engines
RT nozzles
RT spark ignition engines
RT stratified charge engines
RT thermonuclear reactors

FUEL INTEGRITY
INIS: Mar 1986; ETDE: Mar 1985
UF *integrity (fuel)*
RT fuel elements
RT nuclear fuels
RT spent fuel elements
RT spent fuel storage
RT spent fuels

fuel kernels
Use fuel particles

fuel loading (fission reactor)
Use reactor fueling

FUEL MANAGEMENT
UF *in-core fuel management*
*BT1 nuclear materials management
RT fuel cycle
RT reactor cores
RT reactor fueling

FUEL MOTION DETECTION
INIS: Sep 1979; ETDE: Mar 1979
(Determination of in-core nuclear fuel behavior.)
BT1 detection
RT failed element detection
RT fuel element failure

FUEL OILS
INIS: Feb 1992; ETDE: Jan 1975
UF+ *coal-oil mixtures*
*BT1 gas oils
*BT1 liquid fuels
NT1 heating oils
NT1 residual fuels
RT oils

FUEL PARTICLES
UF *fuel kernels*
UF *kernels (fuel)*
UF *particles (fuel)*
NT1 coated fuel particles
RT dispersion nuclear fuels
RT nuclear fuels

FUEL PELLETS
BT1 pellets
RT fuel rods
RT nuclear fuels
RT pellet injection
RT pelletizing

fuel pencils
Use fuel pins

FUEL PINS
UF *fuel pencils*
UF *pins (fuel)*
*BT1 fuel elements

FUEL PLATES
UF *plates (fuel)*
*BT1 fuel elements

fuel pools
Use fuel storage pools

FUEL RACKS
INIS: Apr 1980; ETDE: Oct 1978
UF *racks (fuel)*
*BT1 supports
RT fuel storage pools
RT spent fuel storage

fuel reprocessing
Use reprocessing

FUEL REPROCESSING PLANTS
BT1 nuclear facilities
NT1 barnwell fuel processing plant
NT1 cea la hague
NT1 cogema la hague
NT1 hef
NT1 idaho chemical processing plant
NT1 midwest fuel recovery plant
NT1 nuclear fuel recovery and recycling center
NT1 sellafield reprocessing plant

NT1 wackersdorf reprocessing plant
NT1 wak
NT1 west valley processing plant
NT1 westinghouse recycle fuels plant
RT fission products
RT fuel cycle centers
RT industry
RT mayak plant
RT nuclear industry
RT nuclear parks
RT radioactive waste facilities
RT reprocessing
RT risk assessment
RT spent fuels

fuel rod consolidation

Use configuration
AND fuel rods

FUEL RODS

UF *fuel slugs*
UF *rods (fuel)*
UF *slugs (fuel)*
UF+ *fuel rod consolidation*
*BT1 fuel elements
NT1 hollow fuel rods
RT fuel pellets

FUEL SCANNING

UF *scanning (fuel)*
NT1 gamma fuel scanning
RT burnup
RT nondestructive testing
RT nuclear reaction analyzers

fuel sheaths

Use fuel cans

fuel slugs

Use fuel rods

FUEL SLURRIES

UF *fuel suspensions*
UF *slurries (fuel)*
UF *suspensions (fuel)*
UF+ *coal-oil mixtures*
BT1 fuels
*BT1 slurries
RT slurry reactors

FUEL SOLUTIONS

*BT1 liquid fuels
*BT1 nuclear fuels
*BT1 solutions
RT liquid homogeneous reactors

fuel spheres

Use fuel elements

FUEL STORAGE POOLS

INIS: Feb 1976; ETDE: Mar 1976
UF *fuel pools*
UF *pools (fuel storage)*
UF *storage pools (fuel)*
RT away-from-reactor storage
RT fuel cooling time
RT fuel cycle centers
RT fuel elements
RT fuel racks
RT spent fuel storage

FUEL SUBSTITUTION

INIS: Mar 1992; ETDE: Dec 1977
SF *alternate fuels*
RT energy shortages
RT energy substitution
RT energy substitution equivalent
RT energy supplies
RT energy surpluses
RT fossil fuels
RT fuels
RT interchangeability
RT material substitution
RT rolled-in pricing

fuel substitution equivalent

Use energy substitution equivalent

FUEL SUPPLIES

INIS: Jul 1992; ETDE: Nov 1979
BT1 energy supplies
RT demand
RT fuels
RT receipts
RT shortages
RT us naval petroleum reserves

fuel suspensions

Use fuel slurries

FUEL SYSTEMS

INIS: Aug 1992; ETDE: Apr 1975
(Non-nuclear fuels.)
NT1 carburetors
NT1 fuel feeding systems
NT2 stokers
NT1 fuel injection systems
RT fuels
RT oxygen enrichment

fuel use act

Use us power plant and industrial fuel use act

FUEL WASHERS

UF *washers (fuel)*
RT annular fuel elements
RT nuclear fuels

FUEL WIRES

UF *wires (fuel)*
*BT1 fuel elements

fueling machines (fission reactors)

Use reactor charging machines

FUELS

(From January 1975 till March 1997 PROPELLANTS was a valid ETDE descriptor.)
SF *propellants*
NT1 automotive fuels
NT1 boiler fuels
NT1 fossil fuels
NT2 coal
NT3 black coal
NT4 anthracite
NT4 bituminous coal
NT3 brown coal
NT4 lignite
NT3 coal fines
NT3 sapropelic coal
NT4 boghead coal
NT5 torbanite
NT4 cannel coal
NT3 subbituminous coal
NT2 natural gas
NT3 abiogenic gas
NT3 liquefied natural gas
NT2 oil sands
NT2 oil shales
NT3 black shales
NT2 peat
NT2 petroleum
NT3 petroleum fractions
NT4 petroleum distillates
NT5 gas oils
NT6 diesel fuels
NT6 fuel oils
NT7 heating oils
NT7 residual fuels
NT6 kerosene
NT4 petroleum residues
NT4 refinery gases
NT3 residual petroleum
NT3 shale oil
NT4 shale oil fractions
NT3 sour crudes
NT1 fuel slurries
NT1 gas fuels
NT2 fuel gas
NT3 high btu gas
NT3 intermediate btu gas
NT4 carburetted water gas
NT4 town gas
NT4 water gas
NT3 low btu gas
NT4 producer gas
NT3 natural gas
NT4 abiogenic gas
NT4 liquefied natural gas
NT1 liquid fuels
NT2 alcohol fuels
NT3 ethanol fuels
NT3 methanol fuels
NT2 diesel fuels
NT2 fuel oils
NT3 heating oils
NT3 residual fuels
NT2 fuel solutions
NT2 gasohol
NT2 gasoline
NT3 unleaded gasoline
NT2 jet engine fuels
NT2 kerosene
NT2 liquid metal fuels
NT2 molten salt fuels
NT1 nuclear fuels
NT2 alloy nuclear fuels
NT2 denatured fuel
NT2 dispersion nuclear fuels
NT2 fuel solutions
NT2 liquid metal fuels
NT2 mixed carbide fuels
NT2 mixed nitride fuels
NT2 mixed oxide fuels
NT2 molten salt fuels
NT2 spent fuels
NT1 refuse derived fuels
NT1 solid fuels
NT2 alloy nuclear fuels
NT2 briquets
NT2 dispersion nuclear fuels
NT2 mixed carbide fuels
NT2 mixed nitride fuels
NT2 mixed oxide fuels
NT2 peat
NT1 solvent-refined coal
NT1 synthetic fuels
NT2 alcohol fuels
NT3 ethanol fuels
NT3 methanol fuels
NT2 hydrogen fuels
NT2 pyrolytic oils
NT2 synthetic petroleum
NT1 thermonuclear fuels
NT1 wood fuels
RT calorific value
RT fuel additives
RT fuel consumption
RT fuel substitution
RT fuel supplies
RT fuel systems
RT fuel-air ratio
RT interchangeability
RT rolled-in pricing
RT semicoke
RT semicoking
RT wood

fuels (nuclear)
Use nuclear fuels

fuelwood
Use wood fuels

fugen atr
Use jatr reactor

fujaira
Use united arab emirates

FUJITSU COMPUTERS
INIS: Aug 1992; ETDE: Dec 1985
BT1 computers

FUKUSHIMA-1 REACTOR
(Okuma, Fukushima, Japan)
UF *tokyo-1 reactor*
*BT1 bwr type reactors

FUKUSHIMA-2 REACTOR
(Okuma, Fukushima, Japan)
UF *tokyo-2 reactor*
*BT1 bwr type reactors

FUKUSHIMA-3 REACTOR
(Okuma, Fukushima, Japan)
UF *tokyo-3 reactor*
*BT1 bwr type reactors

FUKUSHIMA-4 REACTOR
(Okuma, Fukushima, Japan)
UF *tokyo-4 reactor*
*BT1 bwr type reactors

FUKUSHIMA-5 REACTOR
(Futaba, Fukushima, Japan)
*BT1 bwr type reactors

FUKUSHIMA-6 REACTOR
(Futaba, Fukushima, Japan)
*BT1 bwr type reactors

FUKUSHIMA-II-1 REACTOR
INIS: Sep 1979; ETDE: May 1980
(Naraha, Fukushima, Japan)
*BT1 bwr type reactors

FUKUSHIMA-II-2 REACTOR
INIS: Sep 1979; ETDE: May 1980
(Naraha, Fukushima, Japan)
*BT1 bwr type reactors

FUKUSHIMA-II-3 REACTOR
INIS: Jul 1981; ETDE: Aug 1981
*BT1 bwr type reactors

FUKUSHIMA-II-4 REACTOR
INIS: Jul 1981; ETDE: Aug 1981
*BT1 bwr type reactors

fulcrum operation
Use nuclear explosions
AND underground explosions

fulham-simon-carves process
Use desulfurization

full-serve stations
Use gasoline service stations

FULLERENES
INIS: Apr 1992; ETDE: Jan 1992
(Carbon allotrope containing 60 carbon atoms in a hollow spherical configuration similar to a geodesic dome.)
*BT1 carbon
RT atomic clusters

FULLERS EARTH
*BT1 clays
RT attapulgite

FULLY IONIZED GASES
(Use only when the gas is not macroscopically electrically neutral; otherwise use PLASMA.)
*BT1 ionized gases
NT1 lorentz gas

FULTON-1 REACTOR
*BT1 enriched uranium reactors
*BT1 helium cooled reactors
*BT1 htgr type reactors
*BT1 power reactors
*BT1 thermal reactors

FULTON-2 REACTOR
*BT1 enriched uranium reactors
*BT1 helium cooled reactors
*BT1 htgr type reactors
*BT1 power reactors
*BT1 thermal reactors

FULVIC ACIDS
*BT1 organic acids
RT humic acids
RT humus
RT soils

fumaks process
Use desulfurization

FUMARIC ACID
*BT1 dicarboxylic acids

FUMAROLES
INIS: Apr 1992; ETDE: Jan 1975
(Vents, usually volcanic, from which gases and vapors are emitted. They are characteristic of a late stage of volcanic activity.)
NT1 solfataras
RT fumarolic fluids
RT hydrothermal systems
RT volcanoes

FUMAROLIC FLUIDS
INIS: May 1992; ETDE: Feb 1975
*BT1 geothermal fluids
RT fumaroles
RT volcanic gases

FUME HOODS
INIS: Sep 1980; ETDE: Oct 1978
*BT1 laboratory equipment
RT gaseous wastes
RT ventilation

fumes
Use aerosols

FUMIGANTS
BT1 pesticides
RT grain disinfestation
RT methyl bromide
RT preservation

function (biological)
Use biological functions

FUNCTION GENERATORS
UF *sine generators*
UF *square-wave generators*
*BT1 electronic equipment
NT1 pulse generators
NT2 high-voltage pulse generators
NT3 marx generators

FUNCTIONAL ANALYSIS
INIS: Sep 1976; ETDE: Nov 1976
BT1 mathematics
RT mathematical evolution
RT mathematical space
RT periodicity

FUNCTIONAL MODELS
UF *models (functional)*
NT1 pilot plants
NT2 barstow solar pilot plant
NT2 wipp
NT1 process development units
NT1 simulators
NT2 reactor simulators
NT2 solar simulators
RT analog systems
RT biological models
RT comparative evaluations
RT hypothesis
RT mathematical models
RT microcosms
RT mockup
RT phantoms
RT plasma simulation
RT scale models
RT simulation
RT structural models

FUNCTIONALS
BT1 functions
RT density functional method
RT variational methods

FUNCTIONS
(From November 1986 till February 1997 FORCING FUNCTIONS was a valid ETDE descriptor.)
UF+ *periodic functions*
SF *forcing functions*
NT1 airy functions
NT1 analytic functions
NT1 bessel functions
NT1 correlation functions
NT1 delta function
NT1 distribution functions
NT1 eigenfunctions
NT1 excitation functions
NT1 floquet function
NT1 functionals
NT1 gamma function
NT1 gauss function
NT1 green function
NT1 hamiltonian function
NT1 hypergeometric functions
NT1 jacobian function
NT1 jost function
NT1 lagrangian function
NT1 neutron importance function
NT1 neutronic damage functions
NT1 partition functions
NT1 placzec function
NT1 polynomials
NT2 hermite polynomials
NT2 laguerre polynomials
NT2 legendre polynomials
NT1 response functions
NT1 retention functions
NT1 riemann function
NT1 spectral functions
NT2 spectral density
NT1 spherical harmonics
NT1 spline functions
NT1 strength functions
NT1 structure functions
NT1 transfer functions
NT1 vertex functions
NT1 wave functions
NT1 weierstrass functions
NT1 weighting functions
NT1 work functions
RT algorithms
RT equations
RT exact solutions
RT mathematics
RT recursion relations

RT riemann sheet
RT series expansion
RT singularity

FUNDAMENTAL CONSTANTS
(From February 1975 till March 1997 RYDBERG CONSTANT was a valid ETDE descriptor.)
UF *rydberg constant*
UF+ *gravitational charges*
RT atoms
RT cosmology
RT elementary particles
RT natural units
RT nuclei

fundamental particles
Use elementary particles

FUNGAL DISEASES
INIS: Dec 1982; ETDE: Jan 1981
*BT1 infectious diseases
NT1 mycoses
NT1 tinea
RT fungi
RT host

FUNGI
UF *molds*
BT1 plants
NT1 eumycota
NT2 aspergillus
NT2 fusarium
NT2 lichens
NT2 mildew
NT2 neurospora
NT2 penicillium
NT2 phanerochaete
NT2 rhizopus
NT2 trichoderma
NT3 trichoderma viride
NT2 ustilago
NT2 yeasts
NT3 candida
NT3 saccharomyces
NT4 saccharomyces cerevisiae
NT3 torula
NT1 mushrooms
NT1 myxomycetes
NT1 physarum
NT1 polyporus versicolor
RT bioadsorbents
RT conidia
RT fungal diseases
RT mycelium
RT mycorrhizas
RT mycoses
RT mycotoxins
RT parasites
RT pathogens
RT spores
RT tinea
RT vaccines

FUNGICIDES
BT1 pesticides
NT1 cycloheximide

FURANS
UF+ *furildioxime*
*BT1 heterocyclic compounds
*BT1 organic oxygen compounds
NT1 benzofurans
NT1 furfural
NT1 tetrahydrofuran
NT2 mthf
RT heterocyclic oxygen compounds
RT kinetin

FURFURAL
UF *2-furalaldehyde*
*BT1 aldehydes
*BT1 furans

furildioxime
Use furans
AND oximes

furnace oil
Use heating oils

FURNACES
NT1 blast furnaces
NT1 chamber furnaces
NT1 electric furnaces
NT2 arc furnaces
NT2 ceramic melters
NT2 induction furnaces
NT1 electron beam furnaces
NT1 gas furnaces
NT1 multiple-hearth furnaces
NT1 oil furnaces
NT1 plasma furnaces
NT1 smelters
NT1 solar furnaces
NT1 tunnel furnaces
NT1 vacuum furnaces
NT1 wood burning furnaces
RT burners
RT combustion chambers
RT crucibles
RT gas generators
RT gratings
RT incinerators
RT kilns
RT melting
RT sintering
RT stokers

FURNITURE INDUSTRY
INIS: Mar 1992; ETDE: Jul 1977
BT1 industry
RT wood products industry

FUSARIUM
*BT1 eumycota
BT1 parasites

fused cells (animal)
Use hybridomas

fused salt fuels
Use molten salt fuels

fused salts
Use molten salts

fuses (detonators)
Use detonators

fuses (electric)
Use electric fuses

fuses (reactor safety)
Use reactor safety fuses

fushun process
See oil shales
OR retorting

fusileer operation
Use nuclear explosions
AND underground explosions

fusion (bonding, nonmetallic)
Use bonding

fusion (melting)
Use melting

fusion (nuclear)
Use thermonuclear reactions

fusion (welding)
Use welding

fusion electromagnetic induction experiment
Use felix facility

fusion energy
Use thermonuclear reactors

fusion fuels
Use thermonuclear fuels

FUSION HEAT
UF *heat of fusion*
UF *latent heat of fusion*
*BT1 transition heat
RT latent heat storage
RT phase change materials

fusion reactions
See heavy ion fusion reactions
OR thermonuclear reactions

fusion reactions (endoenergetic)
Use heavy ion fusion reactions

fusion reactions (exoenergetic)
Use thermonuclear reactions

fusion reactions (heavy ion)
Use heavy ion fusion reactions

fusion reactions (thermonuclear)
Use thermonuclear reactions

fusion-reactor materials
Use thermonuclear reactor materials

fusion reactors
Use thermonuclear reactors

FUSION YIELD
INIS: Sep 1975; ETDE: Jun 1975
UF *yield (fusion)*
*BT1 nuclear reaction yield
RT laser implosions
RT thermonuclear fuels
RT thermonuclear reactions
RT thermonuclear reactors

fuzes
Use detonators

FUZZY LOGIC
INIS: Jul 1991; ETDE: Jul 1991
BT1 mathematical logic
RT chaos theory
RT mathematical models
RT probability
RT set theory

fw-stoic process
Use coal gasification

fwpca
Use clean water acts

G

G-1 REACTOR
UF *marcoule g-1 reactor*
*BT1 air cooled reactors
*BT1 gcr type reactors
*BT1 plutonium production reactors

*BT1 thermal reactors

G-2 REACTOR
UF *marcoule g-2 reactor*
*BT1 carbon dioxide cooled reactors
*BT1 gcr type reactors
*BT1 plutonium production reactors
*BT1 thermal reactors

G-3 REACTOR
(Marcoule, France)
UF *marcoule g-3 reactor*
*BT1 carbon dioxide cooled reactors
*BT1 gcr type reactors
*BT1 plutonium production reactors
*BT1 thermal reactors

G CODES
BT1 computer codes

g factor (gyromagnetic ratio)
Use gyromagnetic ratio

g factor (lande)
Use lande factor

G MATRIX
(Limited to the theory of nuclear reactions.)
BT1 matrices
RT nuclear reactions

G PARITY
(Property peculiar to mesons, not related to the concept covered by PARITY.)
BT1 particle properties
RT g-parity invariance

G-PARITY INVARIANCE
BT1 invariance principles
RT g parity

g-proteins
Use gtp-ases

g resonances
Use rho3-1690 mesons

G STATES
INIS: Sep 1979; ETDE: Mar 1979
BT1 energy levels

G VALUE
(Limited to use in radiation chemistry; see also GYROMAGNETIC RATIO.)
RT radiation chemistry
RT radiolysis

GA SIWABESSY REACTOR
INIS: Jul 1999; ETDE: Jul 1999
(Serpong, Tangerang, Indonesia)
*BT1 enriched uranium reactors
*BT1 materials testing reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

GA STANDARD REACTOR
INIS: Oct 1975; ETDE: May 1975
UF *general atomic standard reactor*
*BT1 enriched uranium reactors
*BT1 htgr type reactors
*BT1 power reactors
*BT1 thermal reactors

GABBROS
INIS: Aug 1984; ETDE: Aug 1980
*BT1 plutonic rocks
NT1 anorthosites
RT feldspars
RT silicate minerals

GABON
BT1 africa
BT1 developing countries
RT oklo phenomenon
RT opec

gadolinite
See beryllium compounds
OR iron compounds
OR rare earth compounds
OR silicates

GADOLINIUM
*BT1 rare earths

GADOLINIUM 135
INIS: Jan 1997; ETDE: Feb 1997
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

GADOLINIUM 137
INIS: Oct 1984; ETDE: Nov 1984
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei

GADOLINIUM 138
INIS: Mar 1986; ETDE: Oct 1985
*BT1 even-even nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei

GADOLINIUM 139
INIS: Oct 1984; ETDE: Nov 1984
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei

GADOLINIUM 140
INIS: Mar 1986; ETDE: Oct 1985
*BT1 even-even nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

GADOLINIUM 141
INIS: Aug 1984; ETDE: Sep 1984
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
BT1 gadolinium isotopes
*BT1 isomeric transition isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

GADOLINIUM 142
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
BT1 gadolinium isotopes
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

GADOLINIUM 142 TARGET
INIS: Sep 1992; ETDE: May 1977
BT1 targets

GADOLINIUM 143
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
BT1 gadolinium isotopes
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

GADOLINIUM 144
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
BT1 gadolinium isotopes
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

GADOLINIUM 145
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
BT1 gadolinium isotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

GADOLINIUM 146
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei

GADOLINIUM 147
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
BT1 gadolinium isotopes
*BT1 isomeric transition isotopes
*BT1 nanoseconds living radioisotopes
*BT1 rare earth nuclei

GADOLINIUM 148
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
BT1 gadolinium isotopes
*BT1 isomeric transition isotopes
*BT1 nanoseconds living radioisotopes
*BT1 rare earth nuclei
*BT1 years living radioisotopes

GADOLINIUM 148 TARGET
INIS: Jan 1982; ETDE: Jul 1981
BT1 targets

GADOLINIUM 149
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei

GADOLINIUM 150
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei
*BT1 years living radioisotopes

GADOLINIUM 151
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei

GADOLINIUM 152
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei
*BT1 years living radioisotopes

GADOLINIUM 152 TARGET
INIS: Oct 1975; ETDE: Jul 1976
BT1 targets

GADOLINIUM 153
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei

GADOLINIUM 154
*BT1 even-even nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei
*BT1 stable isotopes

GADOLINIUM 154 TARGET
BT1 targets

GADOLINIUM 155
*BT1 even-odd nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei
*BT1 stable isotopes

GADOLINIUM 155 BEAMS
INIS: Dec 1986; ETDE: Feb 1987
*BT1 ion beams

GADOLINIUM 155 REACTIONS
INIS: Nov 1984; ETDE: Nov 1984
*BT1 heavy ion reactions

GADOLINIUM 155 TARGET
BT1 targets

GADOLINIUM 156
*BT1 even-even nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei
*BT1 stable isotopes

GADOLINIUM 156 TARGET
BT1 targets

GADOLINIUM 157
*BT1 even-odd nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei
*BT1 stable isotopes

GADOLINIUM 157 TARGET
BT1 targets

GADOLINIUM 158
*BT1 even-even nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei
*BT1 stable isotopes

GADOLINIUM 158 TARGET
BT1 targets

GADOLINIUM 159
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
BT1 gadolinium isotopes
*BT1 hours living radioisotopes
*BT1 rare earth nuclei

GADOLINIUM 159 TARGET
INIS: Apr 1976; ETDE: Jul 1976
BT1 targets

GADOLINIUM 160
*BT1 even-even nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei
*BT1 stable isotopes

GADOLINIUM 160 TARGET
BT1 targets

GADOLINIUM 161
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
BT1 gadolinium isotopes
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

GADOLINIUM 162
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
BT1 gadolinium isotopes
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

GADOLINIUM 163
INIS: Apr 1982; ETDE: Sep 1981
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
BT1 gadolinium isotopes
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei

GADOLINIUM 164
INIS: Oct 1988; ETDE: Nov 1988
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

GADOLINIUM 165
INIS: Sep 1998; ETDE: Sep 1998
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
BT1 gadolinium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

GADOLINIUM ADDITIONS
(Alloys containing not more than 1% Gd are listed here.)
*BT1 gadolinium alloys
*BT1 rare earth additions

GADOLINIUM ALLOYS
(Alloys containing more than 1% Gd.)
*BT1 rare earth alloys
NT1 gadolinium additions
NT1 gadolinium base alloys

GADOLINIUM ARSENIDES
INIS: Oct 1977; ETDE: Aug 1977
*BT1 arsenides
*BT1 gadolinium compounds

GADOLINIUM BASE ALLOYS
*BT1 gadolinium alloys

GADOLINIUM BORIDES
*BT1 borides
*BT1 gadolinium compounds

GADOLINIUM BROMIDES
*BT1 bromides
*BT1 gadolinium compounds

GADOLINIUM CARBIDES
*BT1 carbides
*BT1 gadolinium compounds

GADOLINIUM CARBONATES
*BT1 carbonates
*BT1 gadolinium compounds

GADOLINIUM CHLORIDES
*BT1 chlorides
*BT1 gadolinium compounds

GADOLINIUM COMPLEXES
*BT1 rare earth complexes

GADOLINIUM COMPOUNDS
BT1 rare earth compounds
NT1 gadolinium arsenides
NT1 gadolinium borides
NT1 gadolinium bromides
NT1 gadolinium carbides
NT1 gadolinium carbonates
NT1 gadolinium chlorides
NT1 gadolinium fluorides
NT1 gadolinium hydrides
NT1 gadolinium hydroxides
NT1 gadolinium iodides
NT1 gadolinium nitrates
NT1 gadolinium nitrides
NT1 gadolinium oxides
NT1 gadolinium perchlorates
NT1 gadolinium phosphates
NT1 gadolinium phosphides
NT1 gadolinium selenides
NT1 gadolinium silicides
NT1 gadolinium sulfates
NT1 gadolinium sulfides
NT1 gadolinium tellurides
NT1 gadolinium tungstates

GADOLINIUM FLUORIDES
*BT1 fluorides
*BT1 gadolinium compounds

GADOLINIUM HYDRIDES
*BT1 gadolinium compounds
*BT1 hydrides

GADOLINIUM HYDROXIDES
*BT1 gadolinium compounds
*BT1 hydroxides

GADOLINIUM IODIDES
*BT1 gadolinium compounds
*BT1 iodides

GADOLINIUM IONS
*BT1 ions

GADOLINIUM ISOTOPES
NT1 gadolinium 135
NT1 gadolinium 137
NT1 gadolinium 138
NT1 gadolinium 139
NT1 gadolinium 140
NT1 gadolinium 141
NT1 gadolinium 142
NT1 gadolinium 143
NT1 gadolinium 144
NT1 gadolinium 145
NT1 gadolinium 146
NT1 gadolinium 147
NT1 gadolinium 148
NT1 gadolinium 149
NT1 gadolinium 150
NT1 gadolinium 151
NT1 gadolinium 152
NT1 gadolinium 153
NT1 gadolinium 154
NT1 gadolinium 155
NT1 gadolinium 156
NT1 gadolinium 157
NT1 gadolinium 158
NT1 gadolinium 159
NT1 gadolinium 160
NT1 gadolinium 161
NT1 gadolinium 162
NT1 gadolinium 163
NT1 gadolinium 164
NT1 gadolinium 165

GADOLINIUM NITRATES
*BT1 gadolinium compounds
*BT1 nitrates

GADOLINIUM NITRIDES
*BT1 gadolinium compounds
*BT1 nitrides

GADOLINIUM OXIDES
*BT1 gadolinium compounds
*BT1 oxides

GADOLINIUM PERCHLORATES
*BT1 gadolinium compounds
*BT1 perchlorates

GADOLINIUM PHOSPHATES
*BT1 gadolinium compounds
*BT1 phosphates

GADOLINIUM PHOSPHIDES
INIS: Feb 1979; ETDE: Aug 1976
*BT1 gadolinium compounds
*BT1 phosphides

GADOLINIUM SELENIDES
INIS: Jan 1977; ETDE: Aug 1976
*BT1 gadolinium compounds
*BT1 selenides

GADOLINIUM SILICIDES
*BT1 gadolinium compounds
*BT1 silicides

GADOLINIUM SULFATES
*BT1 gadolinium compounds
*BT1 sulfates

GADOLINIUM SULFIDES
*BT1 gadolinium compounds
*BT1 sulfides

GADOLINIUM TELLURIDES
INIS: Jan 1977; ETDE: Apr 1977
*BT1 gadolinium compounds
*BT1 tellurides

GADOLINIUM TUNGSTATES
INIS: Feb 1988; ETDE: Feb 1988
*BT1 gadolinium compounds
*BT1 tungstates

gages (pressure)
Use pressure gages

gages (strain)
Use strain gages

GAIN
BT1 amplification
RT amplifiers
RT lock-in amplifiers

GALACTIC EVOLUTION
BT1 evolution
RT astrophysics
RT cosmological models
RT cosmology
RT galaxies
RT planet-system accretion
RT star evolution
RT universe

GALACTOSE
*BT1 aldehydes
*BT1 hexoses
RT cerebrosides

GALACTOSIDASE
(Code numbers 3.2.1.22 and 3.2.1.23.)
*BT1 o-glycosyl hydrolases

GALACTURONIC ACID
*BT1 aldehydes
*BT1 hydroxy acids
RT pectins

GALAXIES
UF *local group*
NT1 magellanic clouds
NT1 markarian galaxies
NT1 milky way
NT1 radio galaxies
NT1 seyfert galaxies
NT1 x-ray galaxies
RT galactic evolution
RT galaxy clusters
RT galaxy nuclei
RT nebulae
RT nonluminous matter

GALAXY CLUSTERS
UF *clusters (galaxy)*
RT galaxies

GALAXY NUCLEI
INIS: Nov 1978; ETDE: Dec 1978
(Central part of galaxies.)
RT galaxies

GALENA
*BT1 sulfide minerals
RT lead sulfides

GALERKIN-PETROV METHOD
UF *petrov-galerkin method*
*BT1 iterative methods
RT analytical solution
RT equations
RT mathematics
RT numerical solution

GALILEI TRANSFORMATIONS
BT1 transformations
RT group theory
RT mechanics
RT relativity theory
RT space-time

galileo galilei italy
Use rts-1 reactor

gallbladder
Use biliary tract

GALLIC ACID
UF *trihydroxybenzoic acid*
*BT1 hydroxy acids

GALLIUM
*BT1 metals

GALLIUM 60
INIS: Feb 2002; ETDE: Nov 1999
*BT1 beta-plus decay radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

GALLIUM 61
INIS: May 1980; ETDE: Feb 1975
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

GALLIUM 62
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

GALLIUM 63
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

GALLIUM 64
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

GALLIUM 65
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

GALLIUM 65 TARGET
BT1 targets

GALLIUM 66
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gallium isotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

GALLIUM 67
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

GALLIUM 67 TARGET
BT1 targets

GALLIUM 68
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gallium isotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

GALLIUM 69
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes

GALLIUM 69 TARGET
BT1 targets

GALLIUM 70
*BT1 beta-minus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

GALLIUM 71
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes

GALLIUM 71 TARGET
BT1 targets

GALLIUM 72
*BT1 beta-minus decay radioisotopes
*BT1 gallium isotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

GALLIUM 73
*BT1 beta-minus decay radioisotopes
*BT1 gallium isotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei

GALLIUM 74
*BT1 beta-minus decay radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

GALLIUM 75
*BT1 beta-minus decay radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

GALLIUM 76
*BT1 beta-minus decay radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

GALLIUM 77
*BT1 beta-minus decay radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

GALLIUM 78
*BT1 beta-minus decay radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

GALLIUM 79
INIS: Jan 1976; ETDE: Oct 1975
*BT1 beta-minus decay radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

GALLIUM 80
INIS: Jan 1976; ETDE: Oct 1975
*BT1 beta-minus decay radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

GALLIUM 81
INIS: Jun 1977; ETDE: Jul 1976
*BT1 beta-minus decay radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

GALLIUM 82
INIS: Jul 1980; ETDE: Jul 1976
*BT1 beta-minus decay radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

GALLIUM 83
INIS: Jul 1980; ETDE: Jul 1976
*BT1 beta-minus decay radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

GALLIUM 84
INIS: Mar 1992; ETDE: Mar 1992
*BT1 beta-minus decay radioisotopes
*BT1 gallium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

GALLIUM ADDITIONS
(Alloys containing not more than 1% Ga are listed here.)
*BT1 gallium alloys

GALLIUM ALLOYS
(Alloys containing more than 1% Ga.)
BT1 alloys
NT1 gallium additions
NT1 gallium base alloys

GALLIUM ANTIMONIDES
INIS: Apr 1994; ETDE: Aug 1976
*BT1 antimonides
BT1 gallium compounds

GALLIUM ARSENIDE SOLAR CELLS
INIS: May 1992; ETDE: Jan 1975
*BT1 solar cells

GALLIUM ARSENIDES
*BT1 arsenides
BT1 gallium compounds

GALLIUM BASE ALLOYS
*BT1 gallium alloys

GALLIUM BROMIDES
*BT1 bromides
*BT1 gallium halides

GALLIUM CARBIDES
*BT1 carbides
BT1 gallium compounds

GALLIUM CHLORIDES
*BT1 chlorides
*BT1 gallium halides

GALLIUM COMPLEXES
BT1 complexes

GALLIUM COMPOUNDS
NT1 gallium antimonides
NT1 gallium arsenides
NT1 gallium carbides
NT1 gallium halides
NT2 gallium bromides
NT2 gallium chlorides
NT2 gallium fluorides
NT2 gallium iodides
NT1 gallium hydroxides
NT1 gallium nitrates
NT1 gallium nitrides
NT1 gallium oxides
NT1 gallium phosphates
NT1 gallium phosphides
NT1 gallium selenides
NT1 gallium sulfates
NT1 gallium sulfides
NT1 gallium tellurides

GALLIUM FLUORIDES
*BT1 fluorides
*BT1 gallium halides

GALLIUM HALIDES
INIS: Sep 1991; ETDE: Jun 1984
BT1 gallium compounds
*BT1 halides
NT1 gallium bromides
NT1 gallium chlorides
NT1 gallium fluorides
NT1 gallium iodides

GALLIUM HYDROXIDES
BT1 gallium compounds
*BT1 hydroxides

GALLIUM IODIDES
*BT1 gallium halides
*BT1 iodides

GALLIUM IONS
*BT1 ions

GALLIUM ISOTOPES
BT1 isotopes
NT1 gallium 60
NT1 gallium 61
NT1 gallium 62
NT1 gallium 63
NT1 gallium 64
NT1 gallium 65
NT1 gallium 66
NT1 gallium 67
NT1 gallium 68
NT1 gallium 69
NT1 gallium 70
NT1 gallium 71
NT1 gallium 72
NT1 gallium 73
NT1 gallium 74
NT1 gallium 75
NT1 gallium 76
NT1 gallium 77
NT1 gallium 78
NT1 gallium 79
NT1 gallium 80
NT1 gallium 81
NT1 gallium 82
NT1 gallium 83
NT1 gallium 84

GALLIUM NITRATES
INIS: Jun 1977; ETDE: Jan 1975
BT1 gallium compounds
*BT1 nitrates

GALLIUM NITRIDES
BT1 gallium compounds
*BT1 nitrides

GALLIUM OXIDES
BT1 gallium compounds
*BT1 oxides

GALLIUM PHOSPHATES
INIS: Sep 1977; ETDE: Oct 1975
BT1 gallium compounds
*BT1 phosphates

GALLIUM PHOSPHIDE SOLAR CELLS
INIS: Apr 2000; ETDE: May 1975
*BT1 solar cells

GALLIUM PHOSPHIDES
BT1 gallium compounds
*BT1 phosphides

GALLIUM SELENIDES
INIS: Jul 1976; ETDE: Jan 1975
BT1 gallium compounds
*BT1 selenides

GALLIUM SULFATES
BT1 gallium compounds
*BT1 sulfates

GALLIUM SULFIDES
BT1 gallium compounds
*BT1 sulfides

GALLIUM TELLURIDES
INIS: Sep 1977; ETDE: Jan 1975
BT1 gallium compounds
*BT1 tellurides

gallotannic acid
Use tannic acid

gallstones
Use biliary tract
AND calculi

galoter process
See oil shales

galvanic corrosion
Use electrochemical corrosion

GALVANOMAGNETIC EFFECT
RT magnetic fields

GALVANOMETERS
*BT1 electric measuring instruments

GALVESTON BAY
INIS: Jan 1992; ETDE: Oct 1976
*BT1 bays
*BT1 gulf of mexico
RT texas

GAMBIA
INIS: Oct 1991; ETDE: Jul 1978
BT1 africa
BT1 developing countries

GAME THEORY
INIS: Aug 1993; ETDE: May 1977
(Application of mathematics to a game, business situation, or other problem to maximize gain and minimize loss.)
*BT1 statistics
RT decision making
RT information theory
RT probability

GAMETES
BT1 germ cells
NT1 ova
NT1 pollen
NT1 spermatozoa
RT fertilization
RT gametogenesis
RT haploidy
RT zygotes

GAMETOGENESIS
NT1 oogenesis
NT1 spermatogenesis
RT cell division
RT gametes
RT germ cells
RT gonads
RT meiosis

GAMMA 10 DEVICES
INIS: Feb 1989; ETDE: Mar 1989
(Tsukuba University, Japan.)
*BT1 tandem mirrors

GAMMA ASTRONOMY
INIS: Jul 1978; ETDE: Sep 1978
(For photon energies above 100 kev.)
BT1 astronomy
RT cosmic gamma sources
RT cosmic radiation
RT cosmic x-ray sources

gamma benzene hexachloride
Use lindane

GAMMA CAMERAS
(Instruments consisting of a large, thin scintillation crystal or array of photomultiplier tubes, a multichannel collimator, and circuitry to analyze the pulses produced by the photomultiplier.)
UF *scintillation cameras*
BT1 cameras
NT1 positron cameras
RT compton scattering tomography
RT emission computed tomography
RT nuclear medicine
RT radioisotope scanners
RT single photon emission computed tomography

GAMMA CASCADES
*BT1 nuclear cascades
RT cascade theory

GAMMA DECAY
INIS: Feb 1978; ETDE: Oct 1988
*BT1 nuclear decay
RT internal conversion

GAMMA DETECTION
UF *photon detection (gamma)*
*BT1 radiation detection
RT compton diode detectors
RT filament crystal counters
RT gamma dosimetry
RT gamma spectrometers
RT gamma spectroscopy
RT radiation detectors
RT radioisotope scanning

GAMMA DIFFRACTOMETERS
*BT1 diffractometers
RT crystallography
RT diffraction
RT x-ray diffractometers

GAMMA DOSIMETRY
BT1 dosimetry
RT gamma detection

GAMMA FUEL SCANNING
BT1 fuel scanning
*BT1 gamma radiography

GAMMA FUNCTION
BT1 functions
RT mathematics

GAMMA-GAMMA LOGGING
INIS: Oct 1976; ETDE: Jun 1976
(Gamma source and gamma detector.)
UF *density log*
*BT1 radioactivity logging

gamma heating
Use radiation heating

gamma hexachlorohexane
Use lindane

GAMMA LOGGING
INIS: Oct 1976; ETDE: Jun 1976
(Logging the natural gamma activity of a well.)
*BT1 radioactivity logging
RT natural radioactivity

GAMMA RADIATION
*BT1 electromagnetic radiation
*BT1 ionizing radiations
NT1 delayed gamma radiation
NT1 prompt gamma radiation
RT cosmic gamma sources
RT gamma sources
RT gamma spectra
RT photons
RT x radiation

GAMMA RADIOGRAPHY
*BT1 industrial radiography
NT1 gamma fuel scanning

gamma-ray lasers
Use gasers

gamma reactions
Use photonuclear reactions

GAMMA SOURCES
(For cosmic sources of gamma radiation use COSMIC GAMMA SOURCES.)
BT1 radiation sources
RT gamma radiation
RT gasers

GAMMA SPECTRA
BT1 spectra
RT escape peaks
RT gamma radiation

GAMMA SPECTROMETERS
*BT1 spectrometers
NT1 compton spectrometers
NT1 moessbauer spectrometers
NT1 pair spectrometers
RT gamma detection
RT whole-body counters

gamma spectrometry
Use gamma spectroscopy

GAMMA SPECTROSCOPY
UF *gamma spectrometry*
BT1 spectroscopy
RT fuel cooling time
RT gamma detection
RT radiometric surveys

gamma transmission scanning
Use photon transmission scanning

GAMMA TRANSPORT THEORY
BT1 transport theory
RT photon transport

GAMMAPHOS
INIS: May 1984; ETDE: May 1975
(S-2-(Omega-aminopropylaminoethyl) phosphorothioate.)
*BT1 amines
*BT1 radioprotective substances
*BT1 thiophosphoric acid esters

gammel-brueckner potential
Use nucleon-nucleon potential

gammel-christian-thaler theory
Use gammel-thaler potential

GAMMEL-THALER POTENTIAL
UF *gammel-christian-thaler theory*
*BT1 ope potential

GAMOW BARRIER
UF *gamow factor*
RT alpha decay
RT nuclear potential

gamow factor
Use gamow barrier

gamow-teller decay
Use gamow-teller rules

GAMOW-TELLER RULES
UF *gamow-teller decay*
UF *gamow-teller theory*
RT beta decay

gamow-teller theory
Use gamow-teller rules

GANGA RIVER
UF *ganges river*
*BT1 rivers
RT bangladesh
RT india

ganges river
Use ganga river

GANGLIONS
BT1 nervous system
RT autonomic nervous system
RT spinal cord
RT thalamus

GANGLIOSIDES
*BT1 glycolipids
*BT1 organic nitrogen compounds
RT sialic acid

GANGRENE
*BT1 necrosis
RT ulcers

GANGUE
BT1 residues
RT slags

ganil
Use ganil cyclotron

GANIL CYCLOTRON
INIS: Jul 1976; ETDE: May 1979
(Grand Accelerateur National a Ions Lourds; a heavy ion accelerator consisting of two identical isochronous cyclotrons and a particle booster for injection, located in Caen, France.)
UF *ganil*
UF *grand accelerateur national d'ions lourds*
*BT1 heavy ion accelerators
*BT1 isochronous cyclotrons
RT heavy ions

garching ipp
Use ipp garching

gardenhose instability
Use hose instability

GARDENING
INIS: Sep 1993; ETDE: Mar 1979
RT agriculture
RT horticulture
RT leisure time activities

GARIGLIANO REACTOR
(Sessa Aurunea, Caserta, Italy)
UF *senn reactor*
*BT1 bwr type reactors

GARLIC
INIS: Sep 1992; ETDE: Sep 1992
*BT1 vegetables
RT allium sativum
RT bulbs
RT sprout inhibition

GARNETS
(For silicate garnets only.)
UF *andradite*
*BT1 silicate minerals
RT calcium silicates
RT ferrite garnets
RT iron silicates

GARONA REACTOR
UF *santa maria de garona nuclear power plant*
UF *santa maria de garona power reactor*
*BT1 bwr type reactors

garrett process
Use oxy modified in-situ process

garrett pyrolysis process
Use occidental flash pyrolysis process

GAS ANALYSIS
UF *analysis (gas)*
SF *orsat apparatus*
RT electron-capture detectors
RT gas chromatography
RT gases
RT ion-mobility detectors
RT photoacoustic spectrometers
RT quantitative chemical analysis
RT radio-release analysis

GAS APPLIANCES
INIS: Jan 1993; ETDE: Jun 1977
UF *natural gas appliances*
UF+ *stoves (gas burning)*
*BT1 appliances
RT clothes dryers
RT clothes washers
RT dishwashers
RT freezers
RT ovens
RT refrigerators
RT water heaters

GAS BEARINGS
BT1 bearings

GAS BLANKETS
INIS: Aug 1975; ETDE: Oct 1975
(For plasma confinement. For other gas blankets see COVER GAS or INERT ATMOSPHERE.)
UF *blankets (gas)*
RT plasma
RT plasma confinement

GAS BUBBLE DISEASE
INIS: Apr 1984; ETDE: Apr 1976
RT water quality

GAS BURNERS
INIS: Jun 1992; ETDE: May 1979
BT1 burners
RT combustion
RT gas furnaces

gas bursts
Use rock bursts

GAS CENTRIFUGATION
INIS: Jan 1976; ETDE: Jan 1975
*BT1 centrifugation
*BT1 isotope separation
RT centrifuge enrichment plants
RT gas centrifuges
RT isotope enriched materials
RT isotopes
RT ultracentrifugation

GAS CENTRIFUGES
*BT1 centrifuges
RT gas centrifugation
RT isotope separation
RT ultracentrifuges

GAS CHROMATOGRAPHY
*BT1 chromatography
RT gas analysis
RT partition

GAS COMBUSTION PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(A process that involves the direct heating of oil shales by hot gases from combustion within the retorting vessel.)
RT oil shales

GAS COMPRESSORS
BT1 compressors
RT compressed gases
RT vapor compression refrigeration cycle

GAS CONDENSATE FIELDS
INIS: Jan 1993; ETDE: Jul 1977
(Oil and gas reservoirs that produce more gas than oil. Condensate does not appear until the gas climbs the well bore and its temperature and pressure are reduced sufficiently to condense some of it into liquid petroleum.)
*BT1 natural gas fields
*BT1 petroleum deposits
RT gas condensate wells
RT oil fields

GAS CONDENSATE WELLS
INIS: Sep 1992; ETDE: Dec 1982
BT1 wells
RT gas condensate fields
RT gas condensates
RT natural gas wells
RT oil wells

GAS CONDENSATES
INIS: Aug 1992; ETDE: May 1980
BT1 condensates
*BT1 natural gas liquids
RT gas condensate wells

gas coolants
Use gases

gas cooled fast breeder reactor
Use gcfr reactor

gas cooled fast breeder reactors
Use gcfr type reactors

gas cooled graphite moderated reactors
Use gcr type reactors

gas cooled reactor experiment
Use gcre reactor

GAS COOLED REACTORS
SF *710 reactor*
BT1 reactors
NT1 air cooled reactors
NT2 afsr reactor
NT2 bepo reactor
NT2 bgrr reactor
NT2 br-1 reactor
NT2 g-1 reactor
NT2 gleep reactor
NT2 harmonie reactor
NT2 hprr reactor
NT2 kalpakkam pfr reactor
NT2 masurca reactor
NT2 sneak reactor
NT2 stf reactor
NT2 tory-2a reactor
NT2 tory-2c reactor
NT2 treat reactor
NT2 windscale production reactors
NT2 x-10 reactor
NT2 xma-1 reactor
NT2 zed-2 reactor
NT1 carbon dioxide cooled reactors
NT2 berkeley reactor

NT2 bohunice a-1 reactor
NT2 bradwell reactor
NT2 bugey-1 reactor
NT2 calder hall a-1 reactor
NT2 calder hall a-2 reactor
NT2 calder hall b-3 reactor
NT2 calder hall b-4 reactor
NT2 cesar reactor
NT2 chapelcross-1 reactor
NT2 chapelcross-2 reactor
NT2 chapelcross-3 reactor
NT2 chapelcross-4 reactor
NT2 chinon-1 reactor
NT2 chinon-2 reactor
NT2 chinon-3 reactor
NT2 connah quay-b reactor
NT2 dungeness-a reactor
NT2 dungeness-b reactor
NT2 el-2 reactor
NT2 el-4 reactor
NT2 g-2 reactor
NT2 g-3 reactor
NT2 hartlepool reactor
NT2 hector reactor
NT2 hero reactor
NT2 heysham-a reactor
NT2 heysham-b reactor
NT2 hinkley point-a reactor
NT2 hinkley point-b reactor
NT2 hunterston-a reactor
NT2 hunterston-b reactor
NT2 latina reactor
NT2 lucens reactor
NT2 niederaichbach reactor
NT2 oldbury-a reactor
NT2 oldbury-b reactor
NT2 saint laurent-1 reactor
NT2 saint laurent-2 reactor
NT2 sizewell-a reactor
NT2 tokai-mura reactor
NT2 torness reactor
NT2 trawsfynydd reactor
NT2 vandellos reactor
NT2 wagr reactor
NT2 wylfa reactor
NT1 ewg-1 reactor
NT1 gcfr type reactors
NT2 gcfr reactor
NT1 gcr type reactors
NT2 agr type reactors
NT3 connah quay-b reactor
NT3 dungeness-b reactor
NT3 hartlepool reactor
NT3 heysham-a reactor
NT3 heysham-b reactor
NT3 hinkley point-b reactor
NT3 hunterston-b reactor
NT3 torness reactor
NT3 wagr reactor
NT2 bugey-1 reactor
NT2 chinon-1 reactor
NT2 chinon-2 reactor
NT2 chinon-3 reactor
NT2 g-1 reactor
NT2 g-2 reactor
NT2 g-3 reactor
NT2 magnox type reactors
NT3 berkeley reactor
NT3 bradwell reactor
NT3 calder hall a-1 reactor
NT3 calder hall a-2 reactor
NT3 calder hall b-3 reactor
NT3 calder hall b-4 reactor
NT3 chapelcross-1 reactor
NT3 chapelcross-2 reactor
NT3 chapelcross-3 reactor
NT3 chapelcross-4 reactor
NT3 dungeness-a reactor
NT3 hinkley point-a reactor
NT3 hunterston-a reactor
NT3 latina reactor
NT3 oldbury-a reactor
NT3 sizewell-a reactor
NT3 tokai-mura reactor
NT3 trawsfynydd reactor
NT3 wylfa reactor
NT2 saint laurent-1 reactor
NT2 saint laurent-2 reactor
NT2 vandellos reactor
NT1 helium cooled reactors
NT2 avr reactor
NT2 dragon reactor
NT2 ebor reactor
NT2 egcr reactor
NT2 fulton-1 reactor
NT2 fulton-2 reactor
NT2 gcfr reactor
NT2 gcre reactor
NT2 htr-10 reactor
NT2 httr reactor
NT2 iea-zpr reactor
NT2 peach bottom-1 reactor
NT2 schmehausen-2 reactor
NT2 summit-1 reactor
NT2 summit-2 reactor
NT2 thtr-300 reactor
NT2 uhtrex reactor
NT2 vg-400 reactor
NT2 vgr-50 reactor
NT2 vhtr reactor
NT2 vidal-1 reactor
NT2 vidal-2 reactor
NT2 vrain reactor
NT1 htgr type reactors
NT2 avr reactor
NT2 dragon reactor
NT2 fulton-1 reactor
NT2 fulton-2 reactor
NT2 ga standard reactor
NT2 htr-10 reactor
NT2 httr reactor
NT2 kahter reactor
NT2 peach bottom-1 reactor
NT2 schmehausen-2 reactor
NT2 summit-1 reactor
NT2 summit-2 reactor
NT2 thtr-300 reactor
NT2 vg-400 reactor
NT2 vgr-50 reactor
NT2 vhtr reactor
NT2 vidal-1 reactor
NT2 vidal-2 reactor
NT2 vrain reactor
NT1 hwgcr type reactors
NT2 bohunice a-1 reactor
NT2 bohunice a-2 reactor
NT2 el-4 reactor
NT2 lucens reactor
NT2 niederaichbach reactor
NT1 hydrogen cooled reactors
NT2 kiwi reactors
NT3 kiwi-tnt reactor
NT2 nerva reactor
NT2 nrx-a2 reactor
NT2 nrx-a3 reactor
NT2 nrx-a4-est reactor
NT2 nrx-a5 reactor
NT2 nrx-a6 reactor
NT2 pewee-1 reactor
NT2 pewee-2 reactor
NT2 pewee-3 reactor
NT2 pewee-4 reactor
NT2 phoebus-1a reactor
NT2 phoebus-1b reactor
NT2 phoebus-2a reactor
NT2 rover reactors
NT2 xe-prime reactor
NT1 nitrogen cooled reactors
NT2 htltr reactor
NT2 ml-1 reactor
NT2 zenith reactor
NT1 pebble bed reactors
NT2 avr reactor
NT2 thtr-300 reactor
NT2 vg-400 reactor
NT2 vgr-50 reactor
RT steam cooled reactors

GAS COOLING

BT1 cooling

GAS CYLINDERS

BT1 containers

GAS DISCHARGE TUBES

BT1 electron tubes
NT1 flash tubes
NT1 ignitrons
NT1 thyratrons

GAS DYNAMIC LASERS

INIS: Aug 1992; ETDE: Aug 1981
*BT1 gas lasers

gas engines

Use internal combustion engines

gas fields

Use natural gas fields

GAS FLOW

UF+ *dampers (gas flow)*
UF+ *draft control systems*
BT1 fluid flow
NT1 air flow
NT1 knudsen flow
NT1 slip flow
RT aerodynamics
RT air curtains
RT air infiltration
RT compressible flow
RT electrogasdynamics
RT magnetogasdynamics
RT multiphase flow
RT two-phase flow

GAS-FLOW PROCESSES

INIS: Apr 2000; ETDE: Nov 1975
(Oil shale retorting processes in which heat transfer is effected by an externally heated carrier fluid, in this case superheated steam mixed with air.)
RT oil shales

GAS FUELED REACTORS

*BT1 fluid fueled reactors
*BT1 homogeneous reactors
NT1 coaxial flow reactors
NT1 light bulb reactors
NT1 plasma core assembly
RT gas fuels

GAS FUELS

BT1 fuels
NT1 fuel gas
NT2 high btu gas
NT2 intermediate btu gas
NT3 carburetted water gas
NT3 town gas
NT3 water gas
NT2 low btu gas
NT3 producer gas
NT2 natural gas
NT3 abiogenic gas
NT3 liquefied natural gas
RT fissioning plasma
RT gas fueled reactors
RT nuclear fuels

GAS FURNACES
INIS: Mar 1993; ETDE: Mar 1977
BT1 furnaces
RT gas burners

GAS GENERATORS
INIS: Oct 1994; ETDE: Nov 1976
(Devices used to generate gases in the laboratory; chemical plants for producing gas from coal, for example, water gas.)
NT1 hydrogen generators
RT furnaces
RT gases
RT oil shale processing plants
RT wellman-incandescent process

GAS HEAT PUMPS
INIS: Jan 2000; ETDE: Nov 1980
BT1 heat pumps
RT natural gas
RT space hvac systems

GAS HYDRATES
INIS: Jan 1993; ETDE: Jan 1977
(Crystalline solid clathrate compound formed by natural gas and water and insoluble in water.)
UF *methane hydrates*
BT1 hydrates
RT natural gas
RT natural gas hydrate deposits
RT pipelines

GAS INJECTION
INIS: Jul 1981; ETDE: Mar 1976
BT1 fluid injection
RT petroleum
RT thermonuclear fuels
RT thermonuclear reactor fueling
RT well stimulation

GAS-INSULATED CABLES
INIS: Aug 1976; ETDE: Mar 1976
*BT1 electric cables
RT power transmission
RT power transmission lines
RT superconducting cables

GAS-INSULATED SUBSTATIONS
INIS: Mar 1993; ETDE: Mar 1982
BT1 power substations
RT power distribution systems
RT sulfur fluorides

GAS-INSULATED TRANSFORMERS
INIS: Feb 1993; ETDE: May 1981
*BT1 transformers
RT power systems
RT power transmission

GAS LASERS
BT1 lasers
NT1 carbon dioxide lasers
NT1 carbon monoxide lasers
NT1 excimer lasers
NT2 krypton chloride lasers
NT2 krypton fluoride lasers
NT1 gas dynamic lasers
NT1 helium-neon lasers
NT1 helium-xenon lasers
NT1 iodine lasers
NT1 metal vapor lasers

GAS LIFTS
INIS: Jul 1992; ETDE: Jan 1977
(Process of lifting fluids from a well by injecting relatively high-pressure gas.)
BT1 artificial lifts
RT oil wells
RT petroleum

GAS LUBRICANTS
BT1 lubricants

GAS METAL-ARC WELDING
*BT1 arc welding
NT1 gas tungsten-arc welding

GAS METERS
INIS: Mar 1992; ETDE: Apr 1978
UF+ *hydrocarbon logging*
*BT1 meters
RT energy consumption
RT master metering
RT natural gas

gas odorization
Use odorization

GAS OILS
INIS: Jan 1992; ETDE: Jun 1975
(Petroleum distillates boiling within the general range 204 degrees to 593 degrees C)
*BT1 petroleum distillates
BT1 petroleum products
NT1 diesel fuels
NT1 fuel oils
NT2 heating oils
NT2 residual fuels
NT1 kerosene

gas production rates
See interstitial helium generation
OR interstitial hydrogen generation

GAS RECYCLE HYDROGENATION PROCESS
INIS: Apr 2000; ETDE: Jan 1976
(Gasification of distillate feed stock produced from crude oil to manufacture sng.)
BT1 sng processes
RT petroleum
RT steam reformer processes

GAS SATURATION
INIS: Jul 1992; ETDE: Jun 1977
(Degree of filling of reservoir pore structure by reservoir gas.)
UF *reservoir gas saturation*
BT1 saturation
RT oil saturation
RT reservoir rock
RT water saturation

GAS SCINTILLATION DETECTORS
*BT1 scintillation counters
RT proportional counters
RT rare gases

GAS SPILLS
INIS: Apr 1992; ETDE: Jul 1976
UF *lng spills*
BT1 accidents
RT chemical spills
RT hazardous materials spills
RT natural gas
RT pollution

gas stations
Use gasoline service stations

GAS TRACK DETECTORS
UF *track detectors (gas)*
*BT1 radiation detectors
NT1 bubble chambers
NT2 cryogenic bubble chambers
NT2 heavy liquid bubble chambers
NT2 ultrasonic bubble chambers
NT1 cloud chambers
NT2 diffusion chambers
NT2 expansion chambers
NT1 spark chambers
NT2 filmless spark chambers
NT3 sonic spark chambers
NT3 wire spark chambers
NT2 projection spark chambers
NT2 streamer spark chambers
NT2 wide gap spark chambers

GAS TUNGSTEN-ARC WELDING
*BT1 gas metal-arc welding

GAS TURBINE ENGINES
INIS: May 1992; ETDE: Feb 1979
*BT1 internal combustion engines
RT aaps
RT coal-fired gas turbines

GAS TURBINE POWER PLANTS
INIS: Dec 1982; ETDE: Sep 1979
BT1 power plants
RT coal-fired gas turbines
RT combined-cycle power plants
RT gas turbines
RT peaking power plants
RT power generation

GAS TURBINES
*BT1 turbines
NT1 coal-fired gas turbines
RT brayton cycle power systems
RT gas turbine power plants
RT steam turbines

GAS UTILITIES
INIS: Apr 1992; ETDE: Feb 1978
SF *utilities*
BT1 public utilities
RT load analysis
RT master metering
RT natural gas distribution systems
RT natural gas industry

GAS WELDING
*BT1 welding

gas wells
Use natural gas wells

GAS YIELDS
INIS: Jul 1993; ETDE: Apr 1976
BT1 yields
RT productivity

GASBUGGY EVENT
*BT1 crosstie operation
BT1 plowshare project
RT natural gas
RT oil shales

GASEOUS DIFFUSION
BT1 diffusion

GASEOUS DIFFUSION PLANTS
UF *enrichment plants (gaseous diffusion)*
*BT1 isotope separation plants
NT1 cogema pierrelatte
NT1 orgdp
NT1 paducah plant
NT1 portsmouth gaseous diffusion plant
RT diffusion barriers
RT eurodif
RT gaseous diffusion process
RT nuclear industry

GASEOUS DIFFUSION PROCESS
*BT1 isotope separation
RT diffusion barriers
RT gaseous diffusion plants
RT orgdp

gaseous effluents
Use gaseous wastes

GASEOUS WASTES
UF *effluents (gaseous)*
UF *gaseous effluents*
UF+ *radioactive gaseous wastes*
BT1 wastes
NT1 exhaust gases
NT1 flue gas
RT chemical effluents
RT combustion products
RT electrostatic precipitators
RT fume hoods
RT gases
RT ground release
RT industrial wastes
RT off-gas systems
RT plumes
RT radioactive effluents
RT stack disposal
RT stacks
RT ventilation
RT waste disposal
RT waste forms

GASERS
INIS: Mar 1976; ETDE: May 1976
(Gamma-ray Amplification by Stimulated Emission of Radiation)
UF *gamma-ray lasers*
UF *grasers*
SF *stimulated emission devices*
RT gamma sources
RT lasers
RT masers
RT nuclear pumping
RT stimulated emission

GASES
(See also ELECTRON GAS and FERMI GAS)
UF *gas coolants*
BT1 fluids
NT1 air
NT2 compressed air
NT2 surface air
NT1 associated gas
NT1 coal gas
NT1 compressed gases
NT2 compressed air
NT1 cosmic gases
NT1 cover gas
NT1 dissociating gases
NT1 dissolved gases
NT1 exhaust gases
NT1 fuel gas
NT2 high btu gas
NT2 intermediate btu gas
NT3 carburetted water gas
NT3 town gas
NT3 water gas
NT2 low btu gas
NT3 producer gas
NT2 natural gas
NT3 abiogenic gas
NT3 liquefied natural gas
NT1 ionized gases
NT2 fully ionized gases
NT3 lorentz gas
NT2 strongly ionized gases
NT2 weakly ionized gases
NT1 pyrolytic gases
NT1 rare gases
NT2 argon
NT2 helium
NT2 krypton
NT2 neon
NT2 radon
NT2 xenon
NT1 rarefied gases
NT1 refinery gases
NT1 shale gas
NT1 synthesis gas
NT1 vapors
NT2 water vapor
NT1 volcanic gases
RT aeration
RT boltzmann equation
RT buffers
RT coolants
RT dispersions
RT electron gas
RT fermi gas
RT gas analysis
RT gas generators
RT gaseous wastes
RT hard-sphere model
RT jesse effect
RT kinetic equations
RT kinetics
RT paschen law
RT phase diagrams
RT underground disposal
RT virial equation

GASIFICATION
(Any technique for converting coal or other products into gaseous fuel. For other types of gasification, see EVAPORATION, BOILING, or DISTILLATION.)
BT1 thermochemical processes
NT1 biothermgas process
NT1 coal gasification
NT2 agglomerating ash process
NT2 arc coal process
NT2 babcock and wilcox-dupont process
NT2 beacon process
NT2 bgc-lurgi slagging process
NT2 bi-gas process
NT2 ce entrained fuel process
NT2 coalcon process
NT2 cogas process
NT2 combined-cycle fw process
NT2 consol synthetic gas process
NT2 cs-r process
NT2 dow gasification process
NT2 exxon gasification process
NT2 flash hydropyrolysis process
NT2 gegas process
NT2 gkt process
NT2 htw process
NT2 humboldt gasification process
NT2 hydrane process
NT2 hygas process
NT2 i g process
NT2 kbw gasification process
NT2 kellogg process
NT2 kilngas process
NT2 klockner-iron bath coal gasification process
NT2 koppers process
NT2 koppers-totzek process
NT2 krw gasification process
NT2 lurgi cfb gasification process
NT2 lurgi process
NT2 lurgi slagging process
NT2 molten iron puregas process
NT2 molten salt coal gasification process
NT2 moving-burden process
NT2 occidental flash pyrolysis process
NT2 otto rummel slag bath process
NT2 peatgas process
NT2 prenflo process
NT2 ruhr 100 gasification process
NT2 saarberg-otto gasification process
NT2 seacoke process
NT2 shell-koppers gasification process
NT2 synthane process
NT2 texaco gasification process
NT2 tosco-dyne process
NT2 toscoal process
NT2 u-gas process
NT2 wellman-galusha process
NT2 wellman-incandescent process
NT2 westinghouse gasification process
NT2 woodall-duckham process
NT1 fluidized bed refuse gasification
NT1 in-situ gasification
RT coal

GASKETS
UF *o-rings*
BT1 seals
RT weatherstripping

GASOHOL
INIS: Apr 1992; ETDE: Aug 1979
(Blend of gasoline and alcohol, usually methanol or ethanol.)
*BT1 liquid fuels
RT alcohol fuels
RT alcohols
RT automotive fuels
RT ethanol fuels
RT gasoline
RT methanol fuels

GASOHOL PROGRAM
INIS: Apr 2000; ETDE: Sep 1976
(Program for blending agriculturally derived ethanol and unleaded gasoline.)
RT ethanol
RT gasoline
RT synthetic fuels

GASOLINE
SF *aircraft fuels*
SF *aviation fuels*
*BT1 liquid fuels
BT1 petroleum products
NT1 unleaded gasoline
RT automotive fuels
RT bromine number
RT gasohol
RT gasohol program
RT gasoline service stations
RT mobil m-gasoline process
RT spark ignition engines

gasoline engines
Use internal combustion engines

GASOLINE PLANTS
INIS: Apr 2000; ETDE: Feb 1979
*BT1 chemical plants
RT coal gasification
RT commercialization
RT methanol plants
RT mobil m-gasoline process

GASOLINE SERVICE STATIONS
INIS: Apr 2000; ETDE: May 1979
UF *filling stations*
UF *full-serve stations*
UF *gas stations*
UF *mini-serve stations*
UF *self-serve stations*
UF *service stations*
*BT1 retailers
RT automotive fuels
RT gasoline
RT small businesses
RT unleaded gasoline

gasoline spills
Use hazardous materials spills

gasteropods
Use molluscs

GASTRECTOMY
*BT1 surgery
RT digestive system diseases
RT stomach

GASTRIC ACID
*BT1 body fluids
RT digestion
RT gastrin
RT secretion
RT stomach

gastric administration
Use oral administration

GASTRIN
*BT1 peptide hormones
*BT1 polypeptides
RT gastric acid
RT secretion
RT stomach

GASTROINTESTINAL TRACT
BT1 digestive system
NT1 intestines
NT2 large intestine
NT3 rectum
NT2 small intestine
NT1 stomach
RT abdomen
RT metabolic diseases
RT peritoneum
RT radiation syndrome
RT trichinosis

GASTUNITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 uranium minerals

gasynthan process
Use sng processes

GATING CIRCUITS
BT1 electronic circuits
RT logic circuits
RT switching circuits

GAUGE INVARIANCE
UF *gauge transformations*
BT1 invariance principles
RT aharonov-bohm effect
RT baryon number
RT charge conservation
RT hypercharge
RT instantons
RT lattice field theory
RT lepton number
RT operator product expansion
RT quantum chromodynamics
RT quantum field theory
RT strangeness
RT supergravity
RT unified gauge models
RT ward identity

gauge transformations
Use gauge invariance

gauss distribution
Use gauss function

GAUSS FUNCTION
UF *gauss distribution*
BT1 functions
RT distribution
RT gaussian processes
RT statistics

gauss nuclear model
Use gauss potential

GAUSS POTENTIAL
UF *gauss nuclear model*
*BT1 nucleon-nucleon potential

gauss quadratures
Use quadratures

GAUSSIAN PROCESSES
RT distribution
RT gauss function
RT stochastic processes

gcep
Use portsmouth centrifuge enrichment plant

GCFR REACTOR
UF *gas cooled fast breeder reactor*
UF *gulf general atomic fast breeder reactor*
*BT1 gcfr type reactors
*BT1 helium cooled reactors

GCFR TYPE REACTORS
INIS: Nov 1975; ETDE: Jan 1975
UF *gas cooled fast breeder reactors*
*BT1 fbr type reactors
*BT1 gas cooled reactors
NT1 gcfr reactor

GCR TYPE REACTORS
UF *gas cooled graphite moderated reactors*
*BT1 gas cooled reactors
*BT1 graphite moderated reactors
NT1 agr type reactors
NT2 connah quay-b reactor
NT2 dungeness-b reactor
NT2 hartlepool reactor
NT2 heysham-a reactor
NT2 heysham-b reactor
NT2 hinkley point-b reactor
NT2 hunterston-b reactor
NT2 torness reactor
NT2 wagr reactor
NT1 bugey-1 reactor
NT1 chinon-1 reactor
NT1 chinon-2 reactor
NT1 chinon-3 reactor
NT1 g-1 reactor
NT1 g-2 reactor
NT1 g-3 reactor
NT1 magnox type reactors
NT2 berkeley reactor
NT2 bradwell reactor
NT2 calder hall a-1 reactor
NT2 calder hall a-2 reactor
NT2 calder hall b-3 reactor
NT2 calder hall b-4 reactor
NT2 chapelcross-1 reactor
NT2 chapelcross-2 reactor
NT2 chapelcross-3 reactor
NT2 chapelcross-4 reactor
NT2 dungeness-a reactor
NT2 hinkley point-a reactor
NT2 hunterston-a reactor
NT2 latina reactor
NT2 oldbury-a reactor
NT2 sizewell-a reactor
NT2 tokai-mura reactor
NT2 trawsfynydd reactor
NT2 wylfa reactor
NT1 saint laurent-1 reactor
NT1 saint laurent-2 reactor
NT1 vandellos reactor
RT carbon dioxide cooled reactors
RT power reactors

GCRE REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *gas cooled reactor experiment*
*BT1 experimental reactors
*BT1 helium cooled reactors
*BT1 power reactors
*BT1 water moderated reactors

GDL FACILITY
INIS: May 1986; ETDE: Feb 1986
(Nd glass laser facility at University of Rochester.)
UF *glass development laser facility*
RT laser fusion reactors
RT neodymium lasers
RT omega facility

GE 2541
INIS: Apr 2000; ETDE: Nov 1980
*BT1 aluminium alloys
*BT1 chromium alloys
*BT1 iron base alloys
*BT1 yttrium alloys

ge computers
Use computers

ge detectors (high-purity)
Use high-purity ge detectors

ge process
Use desulfurization

GE SEMICONDUCTOR DETECTORS
UF *germanium detectors*
*BT1 semiconductor detectors
NT1 high-purity ge detectors
NT1 li-drifted ge detectors

GE STANDARD REACTOR
INIS: Sep 1975; ETDE: Jan 1975
(Prior to 1975, BWR/6 TYPE REACTORS was used.)
UF *bwr/6 type reactors*
UF *general electric standard reactor*
*BT1 bwr type reactors
RT black fox-1 reactor
RT black fox-2 reactor
RT hartsville-1 reactor
RT hartsville-2 reactor
RT hartsville-3 reactor
RT hartsville-4 reactor
RT phipps bend-1 reactor
RT phipps bend-2 reactor
RT skagit-1 reactor
RT skagit-2 reactor

ge(li) detectors
Use li-drifted ge detectors

GEARS
INIS: Nov 1980; ETDE: Sep 1976
BT1 machine parts
RT lubricants
RT lubrication
RT mechanical efficiency
RT mechanical transmissions
RT rolling friction
RT wear
RT wear resistance
RT wheels

GEESE
INIS: Apr 2000; ETDE: May 1979
*BT1 fowl

geesthacht-1 research reactor
Use frg-1 reactor

geesthacht-2 research reactor
Use frg-2 reactor

GEGAS PROCESS
INIS: Apr 2000; ETDE: Feb 1976
(An integrated coal gasification--gas-cleaning process optimized for the production of clean low btu gas.)
*BT1 coal gasification
RT low btu gas

gegenschein
Use zodiacal light

GEIGER-MUELLER COUNTERS
*BT1 radiation detectors
RT avalanche quenching
RT flow counters

GEIGER-NUTTALL LAW
INIS: Aug 1986; ETDE: Sep 1986
RT alpha decay
RT alpha particles
RT half-life
RT mean free path

GEKKO FACILITY
INIS: Sep 1985; ETDE: Oct 1985
(Nd glass laser facility at Osaka University for laser fusion experiments.)
RT laser fusion reactors
RT neodymium lasers

GEL PERMEATION CHROMATOGRAPHY
INIS: Apr 1984; ETDE: May 1983
*BT1 chromatography

GELATIN
*BT1 colloids
*BT1 proteins

GELATION
RT colloids
RT sol-gel process

GELL-MANN THEORY
RT quantum numbers
RT strangeness

GELS
*BT1 colloids
NT1 hydrophylic polymers
RT plugging agents
RT thixotropy

gemeinschaftskernkraftwerk neckar
Use neckar-1 reactor

gene activators
Use gene regulation

GENE AMPLIFICATION
INIS: Aug 1993; ETDE: Jan 1986
(An increase in the number of copies of a gene in the genome so that a protein product is produced at elevated levels.)
NT1 polymerase chain reaction
RT cell differentiation
RT genetic engineering
RT immunoglobulins
RT recombinant dna

gene loci
Use genes

GENE MUTATIONS
UF *point mutations*
BT1 mutations
RT gene recombination
RT gene therapy
RT genes
RT genetic engineering
RT polymerase chain reaction
RT recombinant dna

GENE OPERONS
INIS: Nov 1985; ETDE: Jun 1984
(Small segments of chromosomes which govern transcription of the DNA by controlling access to the gene.)
RT chromosomes
RT codons
RT dna
RT gene regulation
RT genes
RT rna

gene promotors
Use gene repressors

GENE RECOMBINATION
UF *recombination (genetic)*
RT crossing-over
RT dna mismatch
RT gene mutations
RT gene recombination proteins
RT genes
RT genetic variability
RT recombinant dna

GENE RECOMBINATION PROTEINS
INIS: Apr 2000; ETDE: Jul 1987
(A group of enzymes which mediate gene recombination and crossing-over during meiosis but also are involved in repair of DNA.)
*BT1 enzymes
RT crossing-over
RT dna repair
RT endonucleases
RT gene recombination
RT meiosis
RT nucleoproteins

GENE REGULATION
(The complex series of biochemical events serving to control the expression of a gene or gene family.)
UF *gene activators*
NT1 enzyme induction
RT biosynthesis
RT chromosomes
RT codons
RT exons
RT gene operons
RT gene repressors
RT genes
RT genetic engineering
RT human chromosomes
RT introns
RT splicing
RT transcription
RT transcription factors

GENE REPRESSORS
INIS: Nov 1985; ETDE: Jun 1984
(A class of proteins which block the transcription of one or more genes by binding to a control segment of the chromosome. Since the gene product encoded cannot be synthesized, the property conferred by the gene is not expressed.)
UF *gene promotors*
RT enzyme induction
RT gene regulation
RT nucleoproteins
RT transcription
RT transcription factors

GENE THERAPY
Aug 2003
(Technique for correcting defective genes responsible for disease development.)
*BT1 therapy
RT gene mutations
RT genetic engineering

general accounting office
Use us gao

general atomic fuel fabrication facility
Use fuel fabrication plants

general atomic standard reactor
Use ga standard reactor

GENERAL CIRCULATION MODELS
INIS: Jul 1991; ETDE: Jun 1986
BT1 mathematical models
RT atmospheric circulation
RT climate models
RT fluid mechanics
RT meteorology
RT oceanic circulation
RT three-dimensional calculations

general electric nuclear test reactor
Use ntr reactor

general electric standard reactor
Use ge standard reactor

general electric test reactor
Use getr reactor

general law
Use laws

general quantum field theory
Use axiomatic field theory

GENERAL RELATIVITY THEORY
UF *einstein gravitation theory*
BT1 field theories
NT1 relativity theory
RT cosmological constant
RT cosmological models
RT einstein effect
RT einstein field equations
RT einstein-maxwell equations
RT energy-momentum tensor
RT equivalence principle
RT field equations
RT gravitation
RT gravitational fields
RT gravitational lenses
RT gravitational radiation
RT kaluza-klein theory
RT mach principle
RT quantum gravity
RT regge calculus
RT schwarzschild metric

generating capacity
Use capacity

GENERATOR-COORDINATE METHOD
BT1 calculation methods
RT boson expansion
RT nuclear structure
RT pairing interactions
RT quantum mechanics

generators (aerosol)
Use aerosol generators

generators (electric)
Use electric generators

generators (pulse)
Use pulse generators

generators (radioisotope)
Use radioisotope generators

generators (steam)
Use steam generators

generators (vapor)
Use vapor generators

GENES
UF *cistrons*
UF *gene loci*
NT1 lethal genes
NT1 oncogenes
NT1 replicons
RT chromosomes
RT codons
RT exons
RT gene mutations
RT gene operons
RT gene recombination
RT gene regulation
RT genetic effects
RT genetic engineering
RT genetic mapping
RT genotype
RT human chromosomes
RT in-situ hybridization
RT introns
RT plasmids
RT rflps
RT transcription
RT transposons

genesis
Use origin

GENETIC CONTROL
*BT1 pest control
RT chromosomal aberrations
RT insects
RT mutagenesis
RT mutations
RT sterility

GENETIC EFFECTS
BT1 biological effects
NT1 genetic radiation effects
RT chromosomes
RT congenital malformations
RT genes
RT genetics
RT gonads
RT human chromosomes
RT mosaicism
RT mutations
RT radiation equivalence
RT sister chromatid exchanges
RT teratogens

GENETIC ENGINEERING
INIS: Dec 1984; ETDE: Jul 1981
BT1 biotechnology
NT1 nucleic acid hybridization
NT2 dna hybridization
NT3 dna-cloning
NT2 in-situ hybridization
RT cell differentiation
RT dna
RT gene amplification
RT gene mutations
RT gene regulation
RT gene therapy
RT genes
RT genetic radiation effects
RT hybridization
RT molecular biology
RT polymerase chain reaction
RT protein engineering
RT transposons

GENETIC MAPPING
INIS: Dec 1979; ETDE: Aug 1976
(The graphical representation of the linear arrangement of genes on a chromosome.)
BT1 mapping
RT banding techniques
RT chromosomes
RT contigs
RT dna hybridization
RT genes
RT human chromosomes
RT in-situ hybridization
RT rflps

GENETIC RADIATION EFFECTS
*BT1 biological radiation effects
*BT1 genetic effects
RT chromosome losses
RT delayed radiation effects
RT genetic engineering
RT genetically significant dose
RT sister chromatid exchanges

GENETIC VARIABILITY
UF *variability (genetic)*
BT1 biological variability
RT gene recombination
RT rflps
RT transposons

GENETICALLY SIGNIFICANT DOSE
UF *gsd*
*BT1 radiation doses
RT dose-response relationships
RT genetic radiation effects
RT populations
RT radiation hazards

GENETICS
UF *heredity*
BT1 biology
RT animal breeding
RT biological evolution
RT cytology
RT genetic effects
RT hereditary diseases
RT hybridization
RT nucleic acids
RT plasmids

genitals (female)
Use female genitals

genitals (male)
Use male genitals

GENKAI-1 REACTOR
(Genkai, Saga, Japan)
UF *kyushu-1 reactor*
*BT1 pwr type reactors

GENKAI-2 REACTOR
INIS: Sep 1979; ETDE: Aug 1978
(Genkai, Saga, Japan)
UF *kyushu-2 reactor*
*BT1 pwr type reactors

GENKAI-3 REACTOR
INIS: Jun 1985; ETDE: Jul 1985
*BT1 pwr type reactors

GENKAI-4 REACTOR
INIS: Jun 1985; ETDE: Jul 1985
UF *kyushu-4 reactor*
*BT1 pwr type reactors

GENOME MUTATIONS
BT1 mutations
RT aneuploidy
RT karyotype
RT non-disjunction
RT ploidy
RT polyploidy

GENOTYPE
RT genes
RT mutagenesis
RT ontogenesis
RT phenotype

gentilly-1 reactor
Use gentilly reactor

GENTILLY-2 REACTOR
(Nicolet, Quebec, Canada)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

GENTILLY REACTOR
(Nicolet, Quebec, Canada)
UF *gentilly-1 reactor*
*BT1 candu type reactors
*BT1 hwlwr type reactors
*BT1 natural uranium reactors

GEOBAROMETRY
INIS: Jan 2000; ETDE: Dec 1977
(Any method for the direct or indirect determination of the pressure conditions under which a rock or mineral was formed.)
RT minerals
RT pressure measurement
RT rocks

GEOBOTANY
*BT1 botany
RT biogeochemistry
RT biological evolution

GEOCHEMICAL SURVEYS
SF *surveys*
BT1 geologic surveys
RT exploration
RT geochemistry
RT geology
RT geothermal exploration
RT ground truth measurements
RT marine surveys
RT prospecting
RT seeps

GEOCHEMISTRY
BT1 chemistry
NT1 biogeochemistry
RT acid neutralizing capacity
RT coalification
RT geochemical surveys
RT geology
RT geothermometry
RT natural occurrence
RT organic matter
RT site characterization

geochronology
Use age estimation

GEOCORONA
RT earth atmosphere
RT interplanetary space
RT solar wind

GEODESICS
(Lines along which the distance between two points reaches an extremum.)
RT mathematical space

GEODESY
RT mathematics

GEODETIC SURVEYS
INIS: Apr 1983; ETDE: Jul 1978
(A survey of a large land area used for the precise location of basic points.)
*BT1 geophysical surveys
RT earthquakes
RT ground uplift

GEOGRAPHIC INFORMATION SYSTEMS
May 2003
UF *gis*
BT1 information systems
RT baseline ecology
RT data base management
RT geography
RT geologic surveys
RT site characterization

GEOGRAPHICAL VARIATIONS
INIS: Jul 1977; ETDE: Oct 1977
BT1 variations
NT1 latitude effect
RT east-west asymmetry
RT north-south asymmetry

GEOGRAPHY
RT earth planet
RT geographic information systems
RT oceanography
RT site characterization

geoisotherms
Use isotherms

GEOLOGIC AGES
INIS: Apr 1992; ETDE: Oct 1977
NT1 cenozoic era
NT2 quaternary period
NT3 pleistocene epoch
NT2 tertiary period
NT3 eocene epoch
NT3 miocene epoch
NT3 pliocene epoch
NT1 mesozoic era
NT2 cretaceous period
NT2 jurassic period
NT2 triassic period
NT1 paleozoic era
NT2 cambrian period
NT2 carboniferous period
NT2 devonian period
NT2 ordovician period
NT2 permian period
NT2 silurian period
NT1 precambrian era
RT age estimation
RT geologic history
RT paleomagnetism

GEOLOGIC DEPOSITS
(From August 1981 till March 1997 PARAGENESIS was a valid ETDE descriptor.)
UF *deposits (geological)*
SF *paragenesis*
NT1 alluvial deposits
NT1 coal deposits
NT2 coal seams
NT1 concretions
NT1 moraines
NT1 natural gas deposits
NT2 natural gas fields
NT3 gas condensate fields
NT1 natural gas hydrate deposits
NT1 oil sand deposits
NT2 asphalt ridge deposit
NT2 athabasca deposit
NT2 circle cliffs deposit
NT2 cold lake deposit
NT2 edna deposit
NT2 lloydminster deposit
NT2 peace river deposit
NT2 pr springs deposit
NT2 santa rosa deposit
NT2 sunnyside deposit
NT2 tar sand triangle deposit
NT2 uvalde deposit
NT2 wabasca deposit
NT1 oil shale deposits
NT2 us naval oil shale reserves
NT1 petroleum deposits
NT2 gas condensate fields
NT2 oil fields
NT2 us naval petroleum reserves
NT1 placers
NT1 salt deposits
NT1 thorium deposits
NT1 uranium deposits
NT2 blizzard deposit
NT2 erzgebirge deposit
NT2 jabiluka deposit
NT2 koongarra deposit
NT2 nabarlek deposit
NT2 ranger deposit
NT2 ranstad deposit
NT2 roxby downs deposit
NT2 south alligator deposit
NT2 yeelirrie deposit
RT availability
RT inclined strata
RT ores
RT sediments
RT underground storage
RT working faces

geologic engineering
Use engineering geology

GEOLOGIC FAULTS
(Fractures in rock along which the adjacent rock surfaces are differentially displaced.)
UF *faults (geologic)*
*BT1 geologic fractures
RT earthquakes
RT geologic fissures
RT geology
RT geomorphology
RT rift zones
RT seismology

GEOLOGIC FISSURES
INIS: Feb 1976; ETDE: Mar 1975
UF *geologic joints*
BT1 geologic structures
RT caves
RT cracks
RT fractured reservoirs
RT fractures
RT geologic faults
RT geologic fractures
RT geology

GEOLOGIC FORMATIONS
INIS: Feb 1981; ETDE: Jul 1978
UF+ *boom clay formation*
NT1 chattanooga formation
NT1 green river formation
NT2 mahogany zone
NT2 uinta formation
NT1 wasatch formation
RT boom clay
RT formation damage
RT geologic structures
RT natural analogue
RT reservoir pressure

GEOLOGIC FRACTURES
INIS: Dec 1985; ETDE: Aug 1984
(Breaks in rock, whether or not there is displacement, due to mechanical failure by stress.)
BT1 geologic structures
NT1 geologic faults
RT cracks
RT fractures
RT geologic fissures

GEOLOGIC HISTORY
INIS: Dec 1985; ETDE: Aug 1978
RT eocene epoch
RT geologic ages
RT geologic models
RT geologic structures
RT geology
RT miocene epoch
RT pleistocene epoch
RT pliocene epoch

geologic joints
Use geologic fissures

GEOLOGIC MODELS
INIS: Dec 1985; ETDE: Feb 1978
RT geologic history
RT geologic structures

geologic natural analogue
Use natural analogue

geologic provinces
See snake river plain

GEOLOGIC STRATA
INIS: Dec 1975; ETDE: Jan 1975
BT1 geologic structures
NT1 basement rock
NT1 inclined strata
RT chattanooga formation
RT coal seams
RT rocks
RT strata movement
RT stratification
RT stratigraphy

GEOLOGIC STRUCTURES
INIS: Nov 1975; ETDE: May 1975
(From December 1980 till February 1997 DIKES was a valid ETDE descriptor; from December 1984 till March 1997 LINEAMENTS was a valid ETDE descriptor.)
UF *dikes*
UF *lineaments*
NT1 anticlines
NT1 fractured reservoirs
NT1 geologic fissures
NT1 geologic fractures
NT2 geologic faults
NT1 geologic strata
NT2 basement rock
NT2 inclined strata
NT1 reefs
NT1 rift zones
NT1 sedimentary basins
NT2 appalachian basin
NT3 chattanooga formation
NT2 williston basin
RT geologic formations
RT geologic history
RT geologic models
RT geology
RT mid-atlantic ridge
RT natural analogue

RT seismic surveys
RT seismology
RT stratigraphy
RT water influx

GEOLOGIC SURVEYS

INIS: Nov 1975; ETDE: Jan 1977
UF *geological surveys*
SF *surveys*
NT1 geochemical surveys
NT1 geophysical surveys
NT2 electrical surveys
NT3 electromagnetic surveys
NT4 magnetotelluric surveys
NT3 resistivity surveys
NT3 self-potential surveys
NT3 telluric surveys
NT2 geodetic surveys
NT2 gravity surveys
NT2 infrared surveys
NT2 magnetic surveys
NT2 radiometric surveys
NT2 seismic surveys
NT2 temperature surveys
RT exploration
RT geographic information systems
RT geos satellites
RT geothermal exploration
RT goes satellites
RT kriging
RT prospecting
RT site characterization

geologic thermometry

Use geothermometry

GEOLOGIC TRAPS

INIS: May 1987; ETDE: Jan 1978
(Configurations of rocks able to confine fluids that float on other fluids.)
RT natural gas deposits
RT petroleum deposits

geological surveys

Use geologic surveys

GEOLOGY

NT1 engineering geology
NT1 geomorphology
NT1 petrography
NT1 petroleum geology
NT1 petrology
NT2 lithology
NT2 petrogenesis
NT1 stratigraphy
RT earth crust
RT earth planet
RT geochemical surveys
RT geochemistry
RT geologic faults
RT geologic fissures
RT geologic history
RT geologic structures
RT geophysical surveys
RT geophysics
RT geothermal energy
RT metamorphism
RT regional analysis
RT rock mechanics
RT site characterization
RT volcanoes

GEOMAGNETIC CONJUGACY

UF *conjugate points*
RT geomagnetic field

GEOMAGNETIC COORDINATES

BT1 coordinates
RT geomagnetic field

geomagnetic cut-off rigidity

Use threshold rigidity

GEOMAGNETIC EQUATOR

RT equator
RT geomagnetic field

GEOMAGNETIC FIELD

BT1 magnetic fields
RT earth magnetosphere
RT geomagnetic conjugacy
RT geomagnetic coordinates
RT geomagnetic equator
RT geophysics
RT inclination
RT international magnetospheric study
RT magnetosheath
RT magnetotail
RT paleomagnetism
RT threshold rigidity

geomagnetic storms

Use magnetic storms

GEOMETRIC BUCKLING

(A form of neutron density distribution in reactors. For buckling of materials, see DEFORMATION or FAILURES.)
BT1 buckling

geometric sensitivity

Use space dependence

GEOMETRICAL ABERRATIONS

UF *cylindrical aberrations*
UF *spherical aberrations*
RT beam optics
RT optical properties

GEOMETRY

BT1 mathematics
NT1 differential geometry
NT1 lobachevsky geometry
RT configuration
RT cusped geometries
RT invariant imbedding
RT mapping
RT prisms
RT spheres
RT spheroids

GEOMORPHOLOGY

INIS: Sep 1980; ETDE: Jan 1975
(A science that deals with the land and submarine relief features of the earth's surface and seeks a genetic interpretation of them through using the principles of physiography in its descriptive aspects and of dynamic and structural geology in its explanatory phases.)
UF *landforms*
BT1 geology
RT earth crust
RT geologic faults
RT geophysics
RT regional analysis
RT sea bed
RT site characterization
RT stratigraphy

geophones

Use seismic detectors

GEOPHYSICAL SURVEYS

INIS: Mar 1977; ETDE: Jan 1975
(Surveys using one or more geophysical techniques in geophysical exploration, such as electrical, infrared, heat flow, magnetic, radioactivity, and seismic techniques.)
SF *surveys*
BT1 geologic surveys
NT1 electrical surveys
NT2 electromagnetic surveys
NT3 magnetotelluric surveys
NT2 resistivity surveys
NT2 self-potential surveys
NT2 telluric surveys
NT1 geodetic surveys
NT1 gravity surveys
NT1 infrared surveys
NT1 magnetic surveys
NT1 radiometric surveys
NT1 seismic surveys
NT1 temperature surveys
RT aerial monitoring
RT coal deposits
RT exploration
RT geology
RT geophysics
RT geothermal exploration
RT ground truth measurements
RT marine surveys
RT natural gas deposits
RT oil shale deposits
RT petroleum deposits
RT prospecting
RT remote sensing
RT uranium deposits
RT well logging

GEOPHYSICS

BT1 physics
RT bathymetry
RT earth planet
RT geology
RT geomagnetic field
RT geomorphology
RT geophysical surveys
RT international geophysical year

GEOPRESSURE ANOMALIES

INIS: Apr 2000; ETDE: Jan 1979
RT geopressured systems

GEOPRESSURED SYSTEMS

INIS: Jul 1992; ETDE: Jan 1975
(Underground reservoirs in which the pressure exceeds normal hydrostatic pressure.)
BT1 energy systems
RT geopressure anomalies
RT geothermal systems
RT natural gas deposits
RT reservoir pressure

GEORGES BANK

INIS: Jun 1992; ETDE: Dec 1978
(Submerged sandbank east of Massachusetts.)
RT atlantic ocean
RT mid-atlantic bight

GEORGIA

*BT1 usa
NT1 atlanta
RT altamaha river
RT chattahoochee river
RT chattanooga formation
RT savannah river
RT us east coast

georgia (republic of)

Use republic of georgia

georgia tech. research reactor

Use gtrr reactor

GEOS SATELLITES

BT1 satellites
RT geologic surveys
RT remote sensing

geostationary operational environmental satellite
Use goes satellites

geostatistics
See kriging

GEOTHERMAL AIR CONDITIONING
INIS: Apr 2000; ETDE: Jan 1979
BT1 air conditioning
RT geothermal refrigeration

geothermal areas
Use geothermal fields

GEOTHERMAL DISTRICT HEATING
INIS: Jan 1993; ETDE: Aug 1977
*BT1 district heating
*BT1 geothermal heating
RT geothermal space heating

GEOTHERMAL ENERGY
BT1 energy
*BT1 renewable energy sources
RT earth crust
RT geology
RT geothermal fields
RT geothermal heating
RT geothermal industry
RT geothermal power plants
RT thermal springs
RT volcanoes

GEOTHERMAL ENERGY CONVERSION
INIS: Aug 1992; ETDE: Jan 1975
*BT1 energy conversion
RT binary-fluid systems
RT flashed steam systems
RT total flow systems

GEOTHERMAL EXPLORATION
INIS: Jul 1992; ETDE: Jan 1975
(Exploration for sources of geothermal energy.)
BT1 exploration
RT electrical surveys
RT electromagnetic surveys
RT exploratory wells
RT geochemical surveys
RT geologic surveys
RT geophysical surveys
RT gravity surveys
RT infrared surveys
RT magnetic surveys
RT seismic surveys
RT telluric surveys
RT temperature surveys
RT well logging equipment

GEOTHERMAL FIELDS
INIS: Dec 1990; ETDE: Jan 1975
UF *geothermal areas*
UF *geothermal regions*
NT1 ahuachapan geothermal field
NT1 baca geothermal field
NT1 beppu geothermal field
NT1 brawley geothermal field
NT1 broadlands geothermal field
NT1 cerro prieto geothermal field
NT1 dieng geothermal field
NT1 east mesa geothermal field
NT1 el tatio geothermal field
NT1 geysers geothermal field
NT1 hatchobaru geothermal field
NT1 heber geothermal field
NT1 kakkonda geothermal field
NT1 kamojang geothermal field
NT1 kawerau geothermal field
NT1 kizildere geothermal field
NT1 krafla geothermal field
NT1 larderello geothermal field
NT1 matsukawa geothermal field
NT1 momotombo geothermal field
NT1 monte amiata geothermal field
NT1 namafjall geothermal field
NT1 onikobe geothermal field
NT1 onuma geothermal field
NT1 otake geothermal field
NT1 palimpinon geothermal field
NT1 paratunka geothermal field
NT1 pathe geothermal field
NT1 pauzhetsk geothermal field
NT1 salton sea geothermal field
NT1 takenoyu geothermal field
NT1 takinoue geothermal field
NT1 tiwi geothermal field
NT1 tongonan geothermal field
NT1 travale geothermal field
NT1 urach geothermal field
NT1 waiotapu geothermal field
NT1 wairakei geothermal field
RT geothermal energy
RT geothermal systems
RT imperial valley
RT kgra
RT klamath falls
RT roosevelt hot springs
RT salton sea
RT thermal springs
RT well spacing
RT wendell-amedee hot springs

GEOTHERMAL FLUIDS
INIS: May 1992; ETDE: Jan 1975
(Naturally occurring steam or hot water found in the earth's volcanic or young orogenic zones.)
SF *thermal waters*
BT1 fluids
NT1 fumarolic fluids
NT1 natural steam
RT brines
RT fluid withdrawal
RT hydrothermal systems

GEOTHERMAL GRADIENTS
INIS: Jun 1993; ETDE: Jan 1975
(The rate of increase of temperature in the earth with depth.)
BT1 temperature gradients

GEOTHERMAL HEATING
INIS: Apr 2000; ETDE: Nov 1975
BT1 heating
NT1 geothermal district heating
NT1 geothermal space heating
NT1 geothermal water heating
RT geothermal energy
RT geothermal heating systems
RT geothermal process heat

GEOTHERMAL HEATING SYSTEMS
INIS: Apr 2000; ETDE: Apr 1976
*BT1 heating systems
RT district heating
RT geothermal heating

GEOTHERMAL HOT-WATER SYSTEMS
INIS: Apr 1992; ETDE: Aug 1992
(Hydrothermal convective systems characterized by liquid water as the continuous, pressure-controlling fluid phase.)
UF *hot-water systems*
SF *liquid-dominated hydrothermal convective systems*
*BT1 hydrothermal systems
RT baca geothermal field
RT broadlands geothermal field
RT cerro prieto geothermal field
RT kawerau geothermal field
RT otake geothermal field
RT pathe geothermal field
RT pauzhetsk geothermal field
RT wairakei geothermal field

GEOTHERMAL INDUSTRY
INIS: May 1992; ETDE: Dec 1977
BT1 industry
RT geothermal energy

GEOTHERMAL POWER PLANTS
*BT1 thermal power plants
RT binary-fluid systems
RT flashed steam systems
RT geothermal energy
RT total flow systems

GEOTHERMAL PROCESS HEAT
INIS: Apr 2000; ETDE: Feb 1978
*BT1 process heat
RT geothermal heating

GEOTHERMAL REFRIGERATION
INIS: Apr 2000; ETDE: Nov 1975
*BT1 refrigeration
RT geothermal air conditioning

geothermal regions
Use geothermal fields

GEOTHERMAL RESOURCES
INIS: Mar 1992; ETDE: Jan 1975
(Until March 1992, this was indexed by GEOTHERMAL ENERGY and RESOURCES.)
BT1 resources
RT geothermal systems

GEOTHERMAL SPACE HEATING
INIS: Apr 2000; ETDE: Oct 1975
*BT1 geothermal heating
*BT1 space heating
RT geothermal district heating

geothermal springs
See geysers
OR hot springs
OR thermal springs
OR warm springs

geothermal steam
Use natural steam

GEOTHERMAL SYSTEMS
INIS: Mar 1992; ETDE: Feb 1975
(Localized regions in which geothermal heat is carried close enough to the earth's surface by steam or hot water to be harnessed for use.)
NT1 hot-dry-rock systems
NT1 hydrothermal systems
NT2 geothermal hot-water systems
NT2 vapor-dominated systems
NT1 magma systems
RT geopressured systems
RT geothermal fields
RT geothermal resources

GEOTHERMAL WATER HEATING
INIS: Apr 2000; ETDE: Mar 1980
(Use for domestic water heating; for industrial application use GEOTHERMAL PROCESS HEAT.)
*BT1 geothermal heating
*BT1 water heating

GEOTHERMAL WELLS
INIS: Sep 1992; ETDE: Jan 1975
BT1 wells
RT directional drilling
RT exploratory wells
RT injection wells
RT well drilling
RT well pressure
RT wellheads

GEOTHERMOMETERS
INIS: May 2000; ETDE: Feb 1975
(Minerals or mineral assemblages whose composition, structure, or inclusions are fixed within known thermal limits under particular conditions of pressure and composition and whose presence thus denotes a limit or a range for the temperature of formation of the enclosing rock.)
*BT1 thermometers
RT geothermometry
RT temperature measurement

GEOTHERMOMETRY
INIS: Jan 1978; ETDE: Apr 1975
(Measurement or estimation, by direct or indirect methods, of the maximum, minimum, or actual temperatures at which geological processes occur or have occurred in the past.)
UF *geologic thermometry*
RT geochemistry
RT geothermometers
RT temperature measurement

geraniol
Use alcohols
AND terpenes

GERBILS
*BT1 rodents

gerjuoy-stein theory
See excitation functions

GERM CELLS
NT1 gametes
NT2 ova
NT2 pollen
NT2 spermatozoa
NT1 oocytes
NT1 oogonia
NT1 spermatocytes
NT1 spermatogonia
RT gametogenesis
RT gonads

GERM-FREE ANIMALS
UF *gnothobionts*
BT1 animals
RT antibody formation
RT bacteria

german (mainz) triga-mk-2 reactor
Use triga-2-mainz reactor

german democratic republic
Use federal republic of germany

german dr organizations
Use german fr organizations

german federal republic
Use federal republic of germany

GERMAN FR ORGANIZATIONS
UF *german dr organizations*
BT1 national organizations
NT1 bundesamt fuer strahlenschutz
NT1 forschungszentrum juelich
NT1 forschungszentrum karlsruhe
NT1 gesellschaft fuer anlagen- und reaktorsicherheit
NT1 ipp garching
NT1 reaktorsicherheitskommission
NT1 strahlenschutzkommission
NT1 wak
NT1 zfi leipzig
NT1 zfk rossendorf
RT federal republic of germany

german measles
Use measles

german silver
Use copper base alloys
AND nickel alloys
AND zinc alloys

GERMANATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor with the exception of the one NT below.)
BT1 germanium compounds
BT1 oxygen compounds
NT1 bismuth germanates
RT germanium oxides

germanes
Use germanium hydrides

GERMANIDES
INIS: Jul 1989; ETDE: Aug 1989
BT1 germanium compounds

GERMANIUM
*BT1 metals

GERMANIUM 61
INIS: Jan 1978; ETDE: Aug 1977
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 germanium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

GERMANIUM 62
Jan 2003
*BT1 even-even nuclei
*BT1 germanium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 proton decay radioisotopes

GERMANIUM 64
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 germanium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

GERMANIUM 65
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 germanium isotopes
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

GERMANIUM 66
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 germanium isotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei

GERMANIUM 67
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 germanium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

GERMANIUM 68
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 germanium isotopes
*BT1 intermediate mass nuclei
RT radioisotope generators

GERMANIUM 69
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 germanium isotopes
*BT1 intermediate mass nuclei

GERMANIUM 70
*BT1 even-even nuclei
*BT1 germanium isotopes
*BT1 intermediate mass nuclei
*BT1 stable isotopes

GERMANIUM 70 REACTIONS
INIS: Apr 1992; ETDE: Aug 1992
*BT1 heavy ion reactions

GERMANIUM 70 TARGET
BT1 targets

GERMANIUM 71
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 germanium isotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes

GERMANIUM 71 TARGET
BT1 targets

GERMANIUM 72
*BT1 even-even nuclei
*BT1 germanium isotopes
*BT1 intermediate mass nuclei
*BT1 stable isotopes

GERMANIUM 72 TARGET
BT1 targets

GERMANIUM 73
*BT1 even-odd nuclei
*BT1 germanium isotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 stable isotopes

GERMANIUM 73 TARGET
BT1 targets

GERMANIUM 74
*BT1 even-even nuclei
*BT1 germanium isotopes
*BT1 intermediate mass nuclei
*BT1 stable isotopes
RT germanium 74 beams
RT germanium 74 reactions

GERMANIUM 74 BEAMS
*BT1 ion beams
RT germanium 74

GERMANIUM 74 REACTIONS
INIS: Nov 1978; ETDE: Jan 1975
- *BT1 heavy ion reactions
- *RT* germanium 74

GERMANIUM 74 TARGET
- BT1 targets

GERMANIUM 75
- *BT1 beta-minus decay radioisotopes
- *BT1 even-odd nuclei
- *BT1 germanium isotopes
- *BT1 hours living radioisotopes
- *BT1 intermediate mass nuclei
- *BT1 internal conversion radioisotopes
- *BT1 isomeric transition isotopes
- *BT1 seconds living radioisotopes

GERMANIUM 75 TARGET
- BT1 targets

GERMANIUM 76
- *BT1 even-even nuclei
- *BT1 germanium isotopes
- *BT1 intermediate mass nuclei
- *BT1 stable isotopes
- *RT* germanium 76 beams

GERMANIUM 76 BEAMS
- *BT1 ion beams
- *RT* germanium 76

GERMANIUM 76 REACTIONS
INIS: Mar 1976; ETDE: Apr 1976
- *BT1 heavy ion reactions

GERMANIUM 76 TARGET
- BT1 targets

GERMANIUM 77
- *BT1 beta-minus decay radioisotopes
- *BT1 even-odd nuclei
- *BT1 germanium isotopes
- *BT1 hours living radioisotopes
- *BT1 intermediate mass nuclei
- *BT1 isomeric transition isotopes
- *BT1 seconds living radioisotopes

GERMANIUM 78
- *BT1 beta-minus decay radioisotopes
- *BT1 even-even nuclei
- *BT1 germanium isotopes
- *BT1 hours living radioisotopes
- *BT1 intermediate mass nuclei

GERMANIUM 79
- *BT1 beta-minus decay radioisotopes
- *BT1 even-odd nuclei
- *BT1 germanium isotopes
- *BT1 intermediate mass nuclei
- *BT1 seconds living radioisotopes

GERMANIUM 80
- *BT1 beta-minus decay radioisotopes
- *BT1 even-even nuclei
- *BT1 germanium isotopes
- *BT1 intermediate mass nuclei
- *BT1 seconds living radioisotopes

GERMANIUM 81
- *BT1 beta-minus decay radioisotopes
- *BT1 even-odd nuclei
- *BT1 germanium isotopes
- *BT1 intermediate mass nuclei
- *BT1 seconds living radioisotopes

GERMANIUM 82
- *BT1 beta-minus decay radioisotopes
- *BT1 even-even nuclei
- *BT1 germanium isotopes
- *BT1 intermediate mass nuclei
- *BT1 seconds living radioisotopes

GERMANIUM 83
- *BT1 beta-minus decay radioisotopes
- *BT1 even-odd nuclei
- *BT1 germanium isotopes
- *BT1 intermediate mass nuclei
- *BT1 seconds living radioisotopes

GERMANIUM 84
- *BT1 beta-minus decay radioisotopes
- *BT1 even-even nuclei
- *BT1 germanium isotopes
- *BT1 intermediate mass nuclei
- *BT1 seconds living radioisotopes

GERMANIUM 85
INIS: May 1991; ETDE: May 1991
- *BT1 beta-minus decay radioisotopes
- *BT1 even-odd nuclei
- *BT1 germanium isotopes
- *BT1 intermediate mass nuclei
- *BT1 milliseconds living radioisotopes

GERMANIUM 86 TARGET
INIS: Jul 1980; ETDE: Aug 1980
- BT1 targets

GERMANIUM ADDITIONS
(Alloys containing not more than 1% Ge are listed here.)
- *BT1 germanium alloys

GERMANIUM ALLOYS
(Alloys containing more than 1% Ge.)
- BT1 alloys
- **NT1** germanium additions
- **NT1** germanium base alloys

GERMANIUM ARSENIDES
INIS: Feb 1978; ETDE: Nov 1975
- *BT1 arsenides
- BT1 germanium compounds

GERMANIUM BASE ALLOYS
- *BT1 germanium alloys

GERMANIUM BORIDES
INIS: Sep 1991; ETDE: Oct 1978
- *BT1 borides
- BT1 germanium compounds

GERMANIUM BROMIDES
- *BT1 bromides
- BT1 germanium compounds

GERMANIUM CARBIDES
INIS: Apr 2000; ETDE: Jul 1977
- *BT1 carbides
- BT1 germanium compounds

GERMANIUM CHLORIDES
- *BT1 chlorides
- BT1 germanium compounds

GERMANIUM COMPLEXES
- BT1 complexes

GERMANIUM COMPOUNDS
- UF+ *germanium hydroxides*
- **NT1** germanates
  - **NT2** bismuth germanates
- **NT1** germanides
- **NT1** germanium arsenides
- **NT1** germanium borides
- **NT1** germanium bromides
- **NT1** germanium carbides
- **NT1** germanium chlorides
- **NT1** germanium fluorides
- **NT1** germanium hydrides
- **NT1** germanium iodides
- **NT1** germanium nitrides
- **NT1** germanium oxides
- **NT1** germanium phosphates
- **NT1** germanium phosphides
- **NT1** germanium selenides
- **NT1** germanium silicates
- **NT1** germanium silicides
- **NT1** germanium sulfides
- **NT1** germanium tellurides

germanium detectors
- Use ge semiconductor detectors

GERMANIUM DIODES
- *BT1 semiconductor diodes

GERMANIUM FLUORIDES
- *BT1 fluorides
- BT1 germanium compounds

GERMANIUM HYDRIDES
- UF *germanes*
- BT1 germanium compounds
- *BT1 hydrides

germanium hydroxides
- Use germanium compounds
- AND hydroxides

GERMANIUM IODIDES
- BT1 germanium compounds
- *BT1 iodides

GERMANIUM IONS
- *BT1 ions

GERMANIUM ISOTOPES
- BT1 isotopes
- **NT1** germanium 61
- **NT1** germanium 62
- **NT1** germanium 64
- **NT1** germanium 65
- **NT1** germanium 66
- **NT1** germanium 67
- **NT1** germanium 68
- **NT1** germanium 69
- **NT1** germanium 70
- **NT1** germanium 71
- **NT1** germanium 72
- **NT1** germanium 73
- **NT1** germanium 74
- **NT1** germanium 75
- **NT1** germanium 76
- **NT1** germanium 77
- **NT1** germanium 78
- **NT1** germanium 79
- **NT1** germanium 80
- **NT1** germanium 81
- **NT1** germanium 82
- **NT1** germanium 83
- **NT1** germanium 84
- **NT1** germanium 85

GERMANIUM NITRIDES
INIS: Apr 1979; ETDE: May 1979
- BT1 germanium compounds
- *BT1 nitrides

GERMANIUM OXIDES
- BT1 germanium compounds
- *BT1 oxides
- *RT* germanates

GERMANIUM PHOSPHATES
INIS: Apr 2000; ETDE: Oct 1978
- BT1 germanium compounds
- *BT1 phosphates

GERMANIUM PHOSPHIDES
INIS: Jul 1978; ETDE: Nov 1975
- BT1 germanium compounds
- *BT1 phosphides

GERMANIUM SELENIDES
INIS: Oct 1977; ETDE: Jan 1975
BT1 germanium compounds
*BT1 selenides

GERMANIUM SILICATES
BT1 germanium compounds
*BT1 silicates

GERMANIUM SILICIDES
INIS: Sep 1990; ETDE: Mar 1976
BT1 germanium compounds
*BT1 silicides

GERMANIUM SULFIDES
BT1 germanium compounds
*BT1 sulfides

GERMANIUM TELLURIDES
INIS: Oct 1977; ETDE: Jan 1975
BT1 germanium compounds
*BT1 tellurides

germany
Use federal republic of germany

germany (democratic republic)
Use federal republic of germany

germany (federal republic)
Use federal republic of germany

GERMICIDES
INIS: Aug 1993; ETDE: Mar 1980
(Agents that destroy microorganisms.)
UF *bactericides*
NT1 antiseptics
NT1 disinfectants
RT antibiotics
RT bacteria
RT infectivity
RT sterilization

GERMINATION
RT coleoptile
RT seedlings
RT seeds

germs (microorganisms)
Use microorganisms

gerontine
Use spermine

ges fuer reaktorsicherheit
Use gesellschaft fuer anlagen- und reaktorsicherheit

GESELLSCHAFT FUER ANLAGEN- UND REAKTORSICHERHEIT
INIS: Dec 1975; ETDE: Jul 1994
(A section of the Technical Inspection Associations of the German Federal Republic. Until July 1994 this concept was indexed by GES FUER REAKTORSICHERHEIT)
UF *ges fuer reaktorsicherheit*
UF *grs*
UF *institute for reactor safety*
*BT1 german fr organizations
RT inspection
RT reactor licensing
RT reactor safety
RT safety standards

GETR REACTOR
(General Electric Company, Vallecitos Nuclear Center, Pleasanton, California, USA)
UF *general electric test reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

GETTERING
RT adsorption
RT electron tubes
RT getters

GETTERS
(Materials used for the purification of vacuum atmospheres; see also the specific materials.)
RT electron tubes
RT gettering
RT sputter-ion pumps
RT vacuum pumps

GEV RANGE
(From 10 exp 9 to 10 exp 12 ev.)
BT1 energy range
NT1 gev range 01-10
NT1 gev range 10-100
NT1 gev range 100-1000
RT shower counters

GEV RANGE 01-10
*BT1 gev range

GEV RANGE 10-100
*BT1 gev range

GEV RANGE 100-1000
*BT1 gev range

GEYSERS
INIS: Mar 1977; ETDE: Jan 1975
(Hot springs that intermittently erupt jets of hot water and steam.)
UF *old faithful geyser*
SF *geothermal springs*
SF *thermal waters*
*BT1 hot springs
RT ground water
RT hydrothermal systems

GEYSERS GEOTHERMAL FIELD
INIS: Jun 1992; ETDE: Jan 1975
UF *the geysers*
BT1 geothermal fields
RT california
RT vapor-dominated systems

GHANA
BT1 africa
BT1 developing countries

GHARR-1 REACTOR
INIS: Aug 1999; ETDE: Aug 1999
(Ghana National Nuclear Research Institute, Legon Accra.)
*BT1 enriched uranium reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

GHZ RANGE
BT1 frequency range
NT1 ghz range 01-100
NT1 ghz range 100-1000
RT radioastronomy

GHZ RANGE 01-100
UF *uhf (lower range)*
UF *ultrahigh frequency (lower range)*
UF+ *decimeter wave radiation (1-3 dm)*
UF+ *shf radiation*
UF+ *super high frequency radiation*
UF+ *uhf radiation (01-100 ghz)*
UF+ *uhf radiation (upper range)*
UF+ *ultrahigh frequency radiation (01-100 ghz)*
UF+ *ultrahigh frequency radiation (upper range)*
*BT1 ghz range

GHZ RANGE 100-1000
UF *uhf (upper range)*
UF *ultrahigh frequency (upper range)*
*BT1 ghz range

GIAMMARCO VETROCOKE SULFUR PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process for the continuous removal of hydrogen sulfide from natural gas or synthesis gases by scrubbing sour gas with an alkali arsenate or arsenite solution.)
*BT1 desulfurization

giant cells
Use tumor cells

GIANT RESONANCE
BT1 resonance
RT cross sections
RT giant resonance model
RT nuclear reactions
RT photonuclear reactions

GIANT RESONANCE MODEL
UF *goldhaber-teller model*
RT cross sections
RT giant resonance
RT photonuclear reactions
RT resonance

GIANT STARS
BT1 stars
NT1 red giant stars
NT1 supergiant stars

GIBBERELLIC ACID
UF *gibberellin a3*
*BT1 hydroxy acids
*BT1 lactones
RT auxins

gibberellin a3
Use gibberellic acid

gibbs formation free energy
Use formation free enthalpy

gibbs free energy
Use free enthalpy

GIBBSITE
INIS: Mar 1980; ETDE: Jan 1976
(A white or tinted monoclinic mineral: Al(OH).)
*BT1 oxide minerals
RT aluminium hydroxides

GIBBSSAR STANDARD PLANT
INIS: Oct 1977; ETDE: Jun 1977
(Gibbs and Hill reference PWR nuclear power plant.)
*BT1 nuclear power plants
RT westinghouse standard reactor

gibraltar
See united kingdom

gidep
See data acquisition

GIGAWATT POWER RANGE
INIS: Apr 1988; ETDE: Aug 1989
BT1 power range
NT1 power range 01-10 gw

NT1 power range 10-100 gw
NT1 power range 100-1000 gw

gigily oil
Use sesame oil

GILLS
BT1 respiratory system
RT fishes

gingelly oil
Use sesame oil

ginger
Use spices

gingily oil
Use sesame oil

GINNA-1 REACTOR
UF *robert e. ginna-1 reactor*
*BT1 pwr type reactors

GINNA-2 REACTOR
UF *robert e. ginna-2 reactor*
*BT1 power reactors

GINZBURG-LANDAU THEORY
UF *maki parameter*
RT coherence length
RT penetration depth
RT superconductivity

GINZBURG-PITAEVSKII THEORY
UF *landau-ginzburg-pitaevskii theory*
RT superfluidity

GIRBOTOL PROCESS
INIS: Apr 2000; ETDE: Apr 1975
*BT1 desulfurization

girdler-girbotol process
Use desulfurization

GIROMILL TURBINES
INIS: Apr 2000; ETDE: Jun 1977
(Vertical axis turbines with vertical blades which change orientation with increased speed.)
*BT1 vertical axis turbines

gis
Use geographic information systems

gkn-1 reactor (neckar)
Use neckar-1 reactor

gkn-2 reactor (neckar)
Use neckar-2 reactor

gkn reactor (dodewaard)
Use dodewaard reactor

gkn reactor (neckar)
See neckar-1 reactor
OR neckar-2 reactor

GKT PROCESS
INIS: Apr 2000; ETDE: Mar 1982
(Process developed by Gesellschaft fuer Kohle-Technologie in which coal dust/oxygen/steam mixture reacts rapidly to form synthesis gas.)
*BT1 coal gasification

GLACIERS
RT antarctic regions
RT arctic regions
RT cryosphere
RT hydrosphere
RT ice
RT ice caps
RT pleistocene epoch
RT snow
RT water

GLANDS
UF+ *sebaceous glands*
UF+ *sweat glands*
*BT1 organs
NT1 endocrine glands
NT2 adrenal glands
NT2 pancreas
NT2 parathyroid glands
NT2 pituitary gland
NT2 thyroid
NT1 liver
NT1 mammary glands
NT1 pineal gland
NT1 prostate
NT1 salivary glands
RT adenomas
RT excretion
RT secretion

glasgow utr-100 reactor
Use srrc-utr-100 reactor

GLASS
(A hard, amorphous, brittle substance made by fusing silicates, sometimes borates and phosphates, with basic oxides and then rapidly cooling.)
NT1 borophosphate glass
NT1 borosilicate glass
NT2 pyrex
NT1 phosphate glass
RT ceramics
RT colorimetric dosemeters
RT dielectric track detectors
RT double glazing
RT fiberglass
RT glass industry
RT glazing materials
RT metallic glasses
RT perlite
RT phase diagrams
RT phase transformations
RT silicon oxides
RT solids
RT vitrification
RT vycor

glass development laser facility
Use gdl facility

glass dosemeters
Use rpl dosemeters

GLASS INDUSTRY
INIS: Sep 1994; ETDE: Jun 1977
BT1 industry
RT beverage industry
RT glass

glass melters
Use ceramic melters

GLASS SCINTILLATORS
BT1 phosphors
RT luminescent dosemeters
RT solid scintillation detectors

glassy alloys
Use metallic glasses

glassy metals
Use metallic glasses

GLAUBER THEORY
RT fsc approximation
RT multiple scattering
RT scattering

glauber's salt
Use sodium sulfates

GLAZES
BT1 coatings
RT ceramics

glazing
Use glazing materials

GLAZING MATERIALS
INIS: Aug 1992; ETDE: Apr 1978
(Transparent or translucent materials such as glass or glass substitutes.)
UF *glazing*
BT1 materials
RT building materials
RT coverings
RT double glazing
RT fiberglass
RT glass
RT heat mirrors
RT polyethylenes
RT polyvinyls
RT skylights
RT windows

GLEEP REACTOR
(UKAEA Atomic Energy Research Establishment, Harwell, United Kingdom)
UF *graphite low-energy experimental pile*
*BT1 air cooled reactors
*BT1 graphite moderated reactors
*BT1 materials testing reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

GLEN DAVIS FACILITY
INIS: Apr 2000; ETDE: Jun 1975
*BT1 oil shale processing plants
RT new south wales

glioblastomas
Use gliomas

GLIOMAS
UF *glioblastomas*
*BT1 neoplasms
*BT1 nervous system diseases
NT1 astrocytomas

GLOBAL ANALYSIS
(Studies mathematical manifolds with topology which is locally Euclidean but globally non-Euclidean.)
BT1 mathematics
RT topology

GLOBAL ASPECTS
UF+ *global risk*
SF *world*
RT contamination
RT earth atmosphere
RT fallout
RT pollution
RT waste disposal

global climate change
Use climatic change

GLOBAL FALLOUT
UF *world-wide fallout*
BT1 fallout
RT nuclear explosions
RT stratosphere
RT tropopause

global risk
Use global aspects
AND hazards

global temperature
Use ambient temperature

global warming
Use greenhouse effect

globin
Use globins

GLOBINS
(Prior to January 1983 the form GLOBIN was used.)
UF *globin*
*BT1 proteins
NT1 hemoglobin
NT2 methemoglobin
NT1 myoglobin

GLOBULINS
UF+ *c-reactive protein*
*BT1 proteins
NT1 angiotensin
NT1 fibrinogen
NT1 globulins-alpha
NT2 ceruloplasmin
NT2 haptoglobins
NT1 globulins-beta
NT2 transferrin
NT1 globulins-gamma
NT1 immunoglobulins
NT1 lactoferrin
NT1 myosin
NT1 thyroglobulin

GLOBULINS-ALPHA
*BT1 globulins
NT1 ceruloplasmin
NT1 haptoglobins

GLOBULINS-BETA
*BT1 globulins
NT1 transferrin

GLOBULINS-GAMMA
*BT1 globulins

GLOBUS-M SPHEROMAK
INIS: Jul 1999; ETDE: Sep 1999
(Ioffe Institute, St. Petersburg, Russia)
*BT1 spheromak devices

GLOMERULI
*BT1 kidneys
RT capillaries
RT renal clearance
RT tubules
RT ultrafiltration

glossaries
Use dictionaries

GLOSSINA
UF *tsetse fly*
*BT1 flies
RT disease vectors
RT trypanosoma

GLOVEBOXES
*BT1 laboratory equipment
RT containment
RT gloves
RT hot cells
RT leaks
RT radiation protection
RT remote handling
RT shielding

GLOVES
*BT1 protective clothing
RT gloveboxes
RT hands
RT radiation protection
RT shielding
RT skin
RT skin absorption

GLOW CURVE
RT luminescence

GLOW DISCHARGES
BT1 electric discharges

GLUCAGON
*BT1 peptide hormones
*BT1 polypeptides
RT glucose
RT metabolism
RT pancreas

GLUCOCORTICOIDS
*BT1 corticosteroids
NT1 corticosterone
NT1 cortisone
NT1 dexamethasone
NT1 hydrocortisone
NT1 prednisolone
NT1 prednisone
RT acth
RT immunosuppression

GLUCOHEPTONATE
INIS: Apr 2000; ETDE: Jun 1978
*BT1 carboxylic acid esters

GLUCONIC ACID
UF *dextronic acid*
UF *glyconic acid*
UF *glykogenic acid*
*BT1 hydroxy acids
RT monosaccharides

GLUCOPROTEINS
INIS: Aug 1975; ETDE: Dec 1974
*BT1 glycoproteins
NT1 lactoferrin
NT1 ovalbumin
RT golgi complexes
RT post-translation modification

GLUCOSAMINE
*BT1 hexosamines
RT chitin

GLUCOSE
*BT1 aldehydes
*BT1 hexoses
RT fluorodeoxyglucose
RT glucagon
RT insulin
RT udpg

GLUCOSIDASE
INIS: Feb 1992; ETDE: Jan 1981
*BT1 o-glycosyl hydrolases

GLUCURONIC ACID
*BT1 aldehydes
*BT1 hydroxy acids
RT glucuronidase
RT glucuronide conjugates
RT hyaluronic acid
RT pectins

GLUCURONIDASE
(Code number 3.2.1.31.)
*BT1 o-glycosyl hydrolases
RT glucuronic acid

GLUCURONIDE CONJUGATES
INIS: Apr 2000; ETDE: Sep 1985
(Water soluble conjugates of many foreign substances are formed by condensation with glucuronic acid. This conjugation precedes and facilitates the elimination of the foreign substance from the organism.)
BT1 metabolites
RT biliary tract
RT excretion
RT glucuronic acid
RT glutathione conjugates
RT sulfates

GLUEBALLS
INIS: Oct 1983; ETDE: Mar 1983
(Bound states of gluons.)
UF *gluonium*
RT bound state
RT color model
RT gluon model
RT gluons

GLUON CONDENSATION
INIS: Apr 1989; ETDE: May 1989
RT gluons
RT quantum operators
RT vacuum states

GLUON-GLUON INTERACTIONS
INIS: Nov 1988; ETDE: Dec 1988
*BT1 particle interactions
RT gluons
RT quantum chromodynamics

GLUON MODEL
UF *massive vector-meson model*
*BT1 particle models
RT glueballs
RT gluons
RT quantum chromodynamics
RT vector mesons

gluonium
Use glueballs

GLUONS
INIS: Jan 1979; ETDE: Feb 1979
BT1 bosons
*BT1 postulated particles
RT glueballs
RT gluon condensation
RT gluon model
RT gluon-gluon interactions
RT quantum chromodynamics
RT quark matter
RT quark-gluon interactions
RT vector mesons

GLUTAMIC ACID
UF *aminoglutaric acid-alpha*
*BT1 amino acids
NT1 pyridoxylideneglutamate
RT glutamine
RT glutaric acid

GLUTAMINE
*BT1 amides
*BT1 amino acids
RT glutamic acid

GLUTARIC ACID
*BT1 dicarboxylic acids
RT glutamic acid

GLUTATHIONE
*BT1 polypeptides
*BT1 radioprotective substances
RT glutathione conjugates

GLUTATHIONE CONJUGATES
INIS: Apr 2000; ETDE: Sep 1985
(Water soluble conjugates of many foreign substances are formed by condensation with glutathione. This conjugation precedes and facilitates the elimination of the foreign substance from the organism.)
BT1 metabolites
RT biliary tract
RT excretion
RT glucuronide conjugates
RT glutathione
RT sulfates

GLUTIN
*BT1 scleroproteins

GLYCERIC ACID
UF *dihydroxypropionic acid*
*BT1 hydroxy acids

glycerin
Use glycerol

GLYCEROL
UF *1,2,3-propanetriol*
UF *glycerin*
*BT1 alcohols
RT lecithins
RT lugol
RT nitroglycerin
RT triglycerides

glyceryl trioleate
Use triolein

glycides
Use saccharides

GLYCINE
UF *aminoacetic acid*
UF *glycocoll*
*BT1 amino acids
RT glycylglycine
RT hippuric acid
RT sarcosine

GLYCINE HISPIDA
UF *soybean plant*
*BT1 leguminosae
RT forage
RT soybeans

glycocoll
Use glycine

GLYCOGEN
*BT1 polysaccharides
RT liver

glycol monoalkyl ethers
Use cellosolves

GLYCOLIC ACID
UF *hydroxyacetic acid*
*BT1 hydroxy acids
*BT1 monocarboxylic acids
RT thionalide

GLYCOLIPIDS
*BT1 lipids
*BT1 saccharides
NT1 cerebrosides
NT1 gangliosides
RT golgi complexes

GLYCOLS
UF *1,2-ethanediol*
UF *benzopinacol*
UF *diols*
UF *ethylene glycol*
UF *tetraphenylethylene glycol*
UF+ *carbitols*
UF+ *diglycol monoalkyl ethers*
*BT1 alcohols
NT1 butanediols
NT1 cellosolves
NT1 egta
NT1 pinacol
NT1 polyethylene glycols
NT2 carbowax
NT2 pluronics
RT dacron
RT mylar

GLYCOLYSIS
*BT1 decomposition
BT1 metabolism
RT carbohydrates
RT catabolism
RT enzymes
RT saccharides

glyconic acid
Use gluconic acid

GLYCOPROTEINS
*BT1 proteins
*BT1 saccharides
NT1 avidin
NT1 glucoproteins
NT2 lactoferrin
NT2 ovalbumin
NT1 lh
RT mucopolysaccharides
RT mucoproteins
RT post-translation modification

GLYCOSIDES
UF+ *hesperidin*
UF+ *phloredzin*
UF+ *phlorhizin*
UF+ *phlorizin*
*BT1 carbohydrates
NT1 cardiac glycosides
NT2 digitalis glycosides
NT3 digitoxin
NT3 digoxin
NT2 strophanthins
NT3 ouabain
NT1 saponins
NT1 strophantin
NT1 udpg
RT lignin
RT quercetin

glycosuria
Use metabolic diseases
AND urogenital system diseases

GLYCOSYL HYDROLASES
(Code number 3.2.)
*BT1 hydrolases
NT1 o-glycosyl hydrolases
NT2 amylase
NT2 cellulase
NT2 galactosidase
NT2 glucosidase
NT2 glucuronidase
NT2 hyaluronidase
NT2 lysozyme
NT2 xylanase

GLYCOSYL TRANSFERASES
INIS: Jun 1982; ETDE: Jun 1981
(Code number 2.4.)
*BT1 transferases
NT1 hexosyl transferases
NT1 pentosyl transferases
NT2 hypoxanthine phosphoribosyltransferase

GLYCYLGLYCINE
*BT1 amino acids
*BT1 peptides
RT glycine

glykogenic acid
Use gluconic acid

GLYOXAL
UF *1,2-ethanedial*
UF *oxalaldehyde*
*BT1 aldehydes

GLYOXYLIC ACID
UF *oxoacetic acid*
*BT1 aldehydes
*BT1 carboxylic acids

GNEISSES
INIS: Feb 1984; ETDE: Aug 1980
*BT1 metamorphic rocks

GNOME EVENT
BT1 plowshare project
BT1 vela project

gnothobionts
Use germ-free animals

GOATS
*BT1 domestic animals
*BT1 ruminants

gobar gas
Use intermediate btu gas
AND methane

GODIVA REACTOR
*BT1 zero power reactors

GOES SATELLITES
INIS: Mar 1983; ETDE: Apr 1980
UF *geostationary operational environmental satellite*
BT1 satellites
RT geologic surveys
RT remote sensing

GOESGEN REACTOR
(Daeniken, Soleure, Switzerland)
UF *kernkraftwerk goesgen-daeniken*
*BT1 pwr type reactors

GOETHITE
INIS: Sep 1992; ETDE: Feb 1984
*BT1 oxide minerals
RT iron oxides
RT limonite

goiania radiological emergency
Use brazil
AND radiation accidents

GOITER
*BT1 endocrine diseases
RT hyperthyroidism
RT hypothyroidism
RT thyroid

GOL-3 DEVICE
INIS: Jul 1999; ETDE: Sep 1999
(Budker Institute for Nuclear Physics, Novosibirsk, Russia)
*BT1 magnetic mirrors

GOLD
*BT1 transition elements

GOLD 170
Jan 2003
*BT1 gold isotopes
*BT1 intermediate mass nuclei

*BT1 microseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 proton decay radioisotopes

GOLD 171

Jun 2003
*BT1 alpha decay radioisotopes
*BT1 gold isotopes
*BT1 intermediate mass nuclei
*BT1 microseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 proton decay radioisotopes

GOLD 172

INIS: Apr 1994; ETDE: Apr 1994
*BT1 alpha decay radioisotopes
*BT1 gold isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

GOLD 173

INIS: Sep 1983; ETDE: Sep 1983
*BT1 alpha decay radioisotopes
*BT1 gold isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

GOLD 174

INIS: Sep 1983; ETDE: Sep 1983
*BT1 alpha decay radioisotopes
*BT1 gold isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

GOLD 175

*BT1 alpha decay radioisotopes
*BT1 gold isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

GOLD 176

*BT1 alpha decay radioisotopes
*BT1 gold isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

GOLD 177

*BT1 alpha decay radioisotopes
*BT1 gold isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

GOLD 178

*BT1 alpha decay radioisotopes
*BT1 gold isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

GOLD 179

*BT1 alpha decay radioisotopes
*BT1 gold isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

GOLD 180

*BT1 electron capture radioisotopes
*BT1 gold isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

GOLD 181

*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

GOLD 182

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

GOLD 183

*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

GOLD 184

*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

GOLD 185

*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

GOLD 186

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

GOLD 187

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

GOLD 187 TARGET

INIS: Nov 1978; ETDE: Dec 1978
BT1 targets

GOLD 188

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

GOLD 189

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

GOLD 190

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

GOLD 191

*BT1 electron capture radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

GOLD 192

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei

GOLD 193

*BT1 electron capture radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

GOLD 193 TARGET

INIS: Nov 1977; ETDE: Mar 1978
BT1 targets

GOLD 194

*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei

GOLD 194 TARGET

INIS: Nov 1977; ETDE: Mar 1978
BT1 targets

GOLD 195

*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

GOLD 195 TARGET

INIS: Nov 1977; ETDE: Mar 1978
BT1 targets

GOLD 196

*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

GOLD 196 TARGET

INIS: Nov 1977; ETDE: Mar 1978
BT1 targets

GOLD 197

*BT1 gold isotopes
*BT1 heavy nuclei

*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 stable isotopes

GOLD 197 BEAMS
INIS: Apr 1979; ETDE: May 1979
*BT1 ion beams

GOLD 197 REACTIONS
INIS: Jun 1984; ETDE: Jul 1984
*BT1 heavy ion reactions

GOLD 197 TARGET
BT1 targets

GOLD 198
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
RT radiocolloids

GOLD 198 TARGET
INIS: Nov 1977; ETDE: Mar 1978
BT1 targets

GOLD 199
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei

GOLD 199 TARGET
INIS: Nov 1977; ETDE: Mar 1978
BT1 targets

GOLD 200
*BT1 beta-minus decay radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

GOLD 201
*BT1 beta-minus decay radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

GOLD 202
*BT1 beta-minus decay radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

GOLD 203
*BT1 beta-minus decay radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

GOLD 204
*BT1 beta-minus decay radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

GOLD 205
INIS: Apr 1994; ETDE: Apr 1994
*BT1 beta-minus decay radioisotopes
*BT1 gold isotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

GOLD ADDITIONS
(Alloys containing not more than 1% Au are listed here.)
*BT1 gold alloys

GOLD ALLOYS
(Alloys containing more than 1% Au.)
*BT1 transition element alloys
NT1 gold additions
NT1 gold base alloys
NT2 palau

GOLD BASE ALLOYS
*BT1 gold alloys
NT1 palau

GOLD BROMIDES
*BT1 bromides
*BT1 gold compounds

GOLD CHLORIDES
*BT1 chlorides
*BT1 gold compounds

GOLD COMPLEXES
*BT1 transition element complexes

GOLD COMPOUNDS
UF+ *aurates*
BT1 transition element compounds
NT1 gold bromides
NT1 gold chlorides
NT1 gold fluorides
NT1 gold hydrides
NT1 gold iodides
NT1 gold oxides
NT1 gold silicides
NT1 gold tellurides

GOLD FLUORIDES
*BT1 fluorides
*BT1 gold compounds

GOLD HYDRIDES
INIS: Nov 1978; ETDE: Jan 1975
*BT1 gold compounds
*BT1 hydrides

GOLD IODIDES
*BT1 gold compounds
*BT1 iodides

GOLD IONS
*BT1 ions

GOLD ISOTOPES
BT1 isotopes
NT1 gold 170
NT1 gold 171
NT1 gold 172
NT1 gold 173
NT1 gold 174
NT1 gold 175
NT1 gold 176
NT1 gold 177
NT1 gold 178
NT1 gold 179
NT1 gold 180
NT1 gold 181
NT1 gold 182
NT1 gold 183
NT1 gold 184
NT1 gold 185
NT1 gold 186
NT1 gold 187
NT1 gold 188
NT1 gold 189
NT1 gold 190
NT1 gold 191
NT1 gold 192
NT1 gold 193
NT1 gold 194
NT1 gold 195
NT1 gold 196
NT1 gold 197
NT1 gold 198
NT1 gold 199
NT1 gold 200
NT1 gold 201
NT1 gold 202
NT1 gold 203
NT1 gold 204
NT1 gold 205

GOLD ORES
BT1 ores

GOLD OXIDES
*BT1 gold compounds
*BT1 oxides

GOLD SILICIDES
INIS: Jan 1985; ETDE: Dec 1975
*BT1 gold compounds
*BT1 silicides

GOLD TELLURIDES
INIS: Apr 2000; ETDE: Nov 1975
*BT1 gold compounds
*BT1 tellurides

GOLDBERGER MODEL
UF *serber-goldberger model*
*BT1 nuclear models

GOLDBERGER-TREIMAN RELATION
RT coupling
RT pions
RT quantum field theory
RT weak interactions

GOLDFISH
UF *carassius*
*BT1 fishes

goldhaber-teller model
Use giant resonance model

GOLDSTONE BOSONS
(Massless particles occurring in certain broken-symmetry theories.)
BT1 bosons
*BT1 postulated particles
NT1 axions
RT invariance principles
RT su groups

GOLDSTONE DIAGRAMS
UF *brueckner approximation*
UF *brueckner-goldstone theory*
UF *brueckner-sawada theory*
UF *sawada method*
*BT1 diagrams
RT many-body problem

GOLFECH-1 REACTOR
INIS: Jul 1984; ETDE: Sep 1984
*BT1 pwr type reactors

GOLFECH-2 REACTOR
*BT1 pwr type reactors

golgi apparatus
Use golgi complexes

golgi bodies
Use golgi complexes

GOLGI COMPLEXES
(Until August 1994 this concept was indexed to ORGANOIDS.)
UF *dictyosomes*
UF *golgi apparatus*
UF *golgi bodies*
UF *organoids*
BT1 cell constituents
RT cell membranes
RT endoplasmic reticulum
RT glucoproteins
RT glycolipids
RT lysosomes
RT post-translation modification

GONADOTROPINS
*BT1 pituitary hormones
NT1 fsh
NT1 hcg
NT1 lh
NT1 lth
RT gonads

GONADS
NT1 ovaries
NT1 testes
RT castration
RT endocrine glands
RT female genitals
RT fertility
RT gametogenesis
RT genetic effects
RT germ cells
RT gonadotropins
RT hcg
RT male genitals
RT pelvis
RT reproduction
RT sex

GONDWANA
INIS: Apr 2000; ETDE: Sep 1989
RT plate tectonics

GONIOMETERS
BT1 measuring instruments

GONORRHEA
INIS: Jun 1976; ETDE: Aug 1976
*BT1 bacterial diseases
*BT1 urogenital system diseases

GOODS AND SERVICES
INIS: Apr 2000; ETDE: Mar 1983
(Includes personal property, actions, and services, as distinguished from real property.)
RT procurement

GORKOV-ELIASHBERG THEORY
INIS: Jul 1977; ETDE: Jan 1976
(Theory of gapless superconductivity arising from magnetic impurities.)
UF *eliashberg equations*
RT superconductivity

GORLEBEN SALT DOME
INIS: Nov 1989; ETDE: Dec 1989
*BT1 radioactive waste facilities
RT high-level radioactive wastes
RT salt caverns
RT salt deposits
RT underground disposal

gosatomnadzor
Use gosatomnadzor rossii

GOSATOMNADZOR ROSSII
INIS: Mar 1977; ETDE: Aug 1997
(Until July 1997 this was known as GOSATOMNADZOR.)
UF *gosatomnadzor*
UF *nuclear and radiation safety federal authority of russia*
UF *russian state nuclear and radiation safety authority*
*BT1 russian organizations

GOVERNMENT BUILDINGS
INIS: Oct 1994; ETDE: Jan 1993
(Until September 1994 this concept was indexed to FEDERAL BUILDINGS.)
UF *federal buildings*
BT1 buildings
RT military facilities
RT office buildings
RT public buildings

government industry data exchange program (gidep)
See data acquisition

GOVERNMENT POLICIES
INIS: Jul 1976; ETDE: Feb 1975
(From August 1979 till March 1997 LEGAL INCENTIVES was a valid ETDE descriptor.)
SF *legal incentives*
SF *policy*
NT1 economic policy
NT1 energy policy
NT2 national energy plans
NT3 us national energy plan
NT2 project independence
NT1 environmental policy
NT2 emissions trading
NT2 water policy
NT1 foreign policy
RT deregulation
RT implementation
RT institutional factors
RT local government
RT national government
RT nationalization
RT non-proliferation policy
RT nuclear power phaseout
RT planning
RT political aspects
RT public enterprises
RT public officials
RT public policy
RT regional cooperation
RT regulations
RT state government
RT territorial waters
RT us federal assistance programs
RT us national program plans

government spending
Use expenditures

GOVERNOR MODEL
*BT1 shell models
RT cranking model
RT deformed nuclei
RT fission

governors
Use state officials

GRABEN-1 REACTOR
*BT1 bwr type reactors

GRABEN-2 REACTOR
INIS: Apr 2000; ETDE: May 1975
*BT1 bwr type reactors

GRABS
*BT1 materials handling equipment
RT hoists
RT materials handling

GRACE PARTICLES
INIS: Aug 1978; ETDE: Oct 1978
*BT1 postulated particles
RT color model
RT hadrons
RT hypercharge
RT quarks
RT su-3 groups

GRAD-SHAFRANOV EQUATION
INIS: Oct 1983; ETDE: Nov 1983
*BT1 partial differential equations
RT mercier criterion
RT plasma
RT transport theory

graded band gap solar cells
Use cascade solar cells

GRADED BAND GAPS
INIS: May 1992; ETDE: Dec 1978
RT band theory
RT cascade solar cells
RT semiconductor materials
RT solar cells

GRADED LIE GROUPS
INIS: Nov 1978; ETDE: Dec 1978
(Lie groups defined by an algebraic structure which contains commutation and anticommutation relations.)
UF *lie superalgebra*
*BT1 lie groups
RT algebra
RT supergravity
RT supersymmetry

GRAFENRHEINFELD REACTOR
*BT1 pwr type reactors

GRAFT-HOST REACTION
RT antigen-antibody reactions
RT grafts
RT histocompatibility complex
RT host
RT immunity
RT transplants

GRAFT POLYMERS
*BT1 organic polymers
RT ion exchange materials

GRAFTS
BT1 transplants
RT graft-host reaction
RT radioimmunology

grain alcohol
Use ethanol

GRAIN BOUNDARIES
UF *boundaries (grain)*
BT1 microstructure
RT dislocation pinning
RT grain growth
RT intergranular corrosion

GRAIN DENSITY
UF *density (grain)*
BT1 microstructure
RT granular materials

GRAIN DISINFESTATION
BT1 disinfestation
RT agriculture
RT cereals
RT fumigants
RT insects
RT pesticides
RT preservation
RT radiodisinfestation

RT sterilization

GRAIN GROWTH
UF *growth (grain)*
RT crystal growth
RT grain boundaries
RT grain refinement
RT grain size
RT recrystallization

GRAIN ORIENTATION
UF *orientation (grain)*
UF *preferred orientation*
BT1 microstructure
BT1 orientation
RT texture

GRAIN REFINEMENT
UF *refinement (grain)*
RT grain growth
RT grain size
RT heat treatments

GRAIN SIZE
(See also PARTICLE SIZE.)
BT1 microstructure
BT1 size
RT grain growth
RT grain refinement
RT granular materials

grains (cereal)
Use cereals
AND seeds

GRAMINEAE
(Prior to December 1984 this was a valid ETDE descriptor. From December 1984 to July 1991 this concept in ETDE was indexed to GRASS.)
UF *grass*
*BT1 liliopsida
NT1 bamboo
NT1 cereals
NT2 barley
NT2 maize
NT2 millet
NT2 oats
NT2 rice
NT2 rye
NT2 sorghum
NT2 wheat
NT1 reeds
NT2 sugar cane
RT cattle
RT forage
RT ground cover
RT pastures
RT preferred species
RT weeds

grand accelerateur national d'ions lourds
Use ganil cyclotron

GRAND GULF-1 REACTOR
(Port Gibson, Mississipi, USA)
*BT1 bwr type reactors

GRAND GULF-2 REACTOR
(Port Gibson, Mississipi, USA)
*BT1 bwr type reactors

GRAND RIVER
INIS: Jun 1992; ETDE: Jan 1981
*BT1 rivers
RT hydroelectric power
RT michigan

grand unification
Use grand unified theory

GRAND UNIFIED THEORY
INIS: Dec 1983; ETDE: Jan 1984
(Gauge field theory to unify electromagnetic, weak and strong interactions. For unified theories involving gravitation see UNIFIED-FIELD THEORIES.)
UF *grand unification*
*BT1 unified gauge models
NT1 standard model
RT electromagnetic interactions
RT quantum chromodynamics
RT so-10 groups
RT strong interactions
RT su-5 groups
RT unified-field theories
RT weak interactions
RT weinberg-salam gauge model

GRANITES
*BT1 plutonic rocks
NT1 aplites
NT1 granodiorites
NT1 quartz monzonite
RT biotite
RT feldspars
RT hornblende
RT pegmatites
RT quartz
RT rhyolites
RT xenotime

GRANODIORITES
*BT1 granites
RT feldspars
RT quartz

grants
Use financing

GRANULAR BED FILTERS
INIS: Apr 1984; ETDE: Jun 1978
(Until July 1999 this concept was indexed by MECHANICAL FILTERS.)
*BT1 mechanical filters
RT pollution control equipment

GRANULAR MATERIALS
INIS: Sep 1982; ETDE: Nov 1979
(For unspecified materials having a granular texture.)
BT1 materials
RT grain density
RT grain size
RT particles
RT powders

granulation (solar)
Use solar granulation

GRANULITES
INIS: Apr 2000; ETDE: Aug 1980
*BT1 metamorphic rocks

granulocytes
Use leukocytes

GRANULOMAS
*BT1 neoplasms
RT infectious diseases
RT inflammation
RT pathological changes

GRAPEFRUITS
*BT1 fruits
RT citrus

GRAPES
*BT1 fruits

GRAPH THEORY
Sep 2002
SF *graphs*
BT1 mathematics
RT mathematical manifolds
RT mathematical space
RT measure theory
RT topological mapping
RT topology

GRAPHITE
UF *graphite moderator*
*BT1 carbon
BT1 minerals
RT carbon fibers
RT graphitization
RT matrix materials
RT moderators
RT refractories
RT solid lubricants
RT wigner effect

graphite fibers
Use carbon fibers

graphite low-energy experimental pile
Use gleep reactor

GRAPHITE MODERATED REACTORS
SF *berkeley nuclear laboratory reactor*
SF *bnl reactor*
SF *smr reactor*
SF *solid moderated reactor*
BT1 reactors
NT1 anna reactor
NT1 bepo reactor
NT1 bgrr reactor
NT1 bigr reactor
NT1 br-1 reactor
NT1 cesar reactor
NT1 cp-2 reactor
NT1 egcr reactor
NT1 f-1 reactor
NT1 gcr type reactors
NT2 agr type reactors
NT3 connah quay-b reactor
NT3 dungeness-b reactor
NT3 hartlepool reactor
NT3 heysham-a reactor
NT3 heysham-b reactor
NT3 hinkley point-b reactor
NT3 hunterston-b reactor
NT3 torness reactor
NT3 wagr reactor
NT2 bugey-1 reactor
NT2 chinon-1 reactor
NT2 chinon-2 reactor
NT2 chinon-3 reactor
NT2 g-1 reactor
NT2 g-2 reactor
NT2 g-3 reactor
NT2 magnox type reactors
NT3 berkeley reactor
NT3 bradwell reactor
NT3 calder hall a-1 reactor
NT3 calder hall a-2 reactor
NT3 calder hall b-3 reactor
NT3 calder hall b-4 reactor
NT3 chapelcross-1 reactor
NT3 chapelcross-2 reactor
NT3 chapelcross-3 reactor
NT3 chapelcross-4 reactor
NT3 dungeness-a reactor
NT3 hinkley point-a reactor
NT3 hunterston-a reactor
NT3 latina reactor
NT3 oldbury-a reactor

NT3 sizewell-a reactor
NT3 tokai-mura reactor
NT3 trawsfynydd reactor
NT3 wylfa reactor
NT2 saint laurent-1 reactor
NT2 saint laurent-2 reactor
NT2 vandellos reactor
NT1 gleep reactor
NT1 hector reactor
NT1 hero reactor
NT1 hew-305 reactor
NT1 hitrex-1 reactor
NT1 hnpf reactor
NT1 htgr type reactors
NT2 avr reactor
NT2 dragon reactor
NT2 fulton-1 reactor
NT2 fulton-2 reactor
NT2 ga standard reactor
NT2 htr-10 reactor
NT2 httr reactor
NT2 kahter reactor
NT2 peach bottom-1 reactor
NT2 schmehausen-2 reactor
NT2 summit-1 reactor
NT2 summit-2 reactor
NT2 thtr-300 reactor
NT2 vg-400 reactor
NT2 vgr-50 reactor
NT2 vhtr reactor
NT2 vidal-1 reactor
NT2 vidal-2 reactor
NT2 vrain reactor
NT1 htltr reactor
NT1 iea-zpr reactor
NT1 igr reactor
NT1 iowa utr-10 reactor
NT1 kuca reactor
NT1 lwgr type reactors
NT2 aps reactor
NT2 beloyarsk-1 reactor
NT2 beloyarsk-2 reactor
NT2 bilibin reactor
NT2 chernobylsk-1 reactor
NT2 chernobylsk-2 reactor
NT2 chernobylsk-3 reactor
NT2 chernobylsk-4 reactor
NT2 ignalina-1 reactor
NT2 ignalina-2 reactor
NT2 kursk-1 reactor
NT2 kursk-2 reactor
NT2 kursk-3 reactor
NT2 kursk-4 reactor
NT2 leningrad-1 reactor
NT2 leningrad-2 reactor
NT2 leningrad-3 reactor
NT2 leningrad-4 reactor
NT2 n-reactor
NT2 rpt reactor
NT2 smolensk-1 reactor
NT2 smolensk-2 reactor
NT2 smolensk-3 reactor
NT2 uwtr reactor
NT1 marius reactor
NT1 msre reactor
NT1 ntr reactor
NT1 pctr reactor
NT1 proteus reactor
NT1 rb-1 reactor
NT1 sgr type reactors
NT2 sre reactor
NT1 shca reactor
NT1 sr-305 reactor
NT1 treat reactor
NT1 uhtrex reactor
NT1 windscale production reactors
NT1 x-10 reactor
NT1 zenith reactor

graphite moderator
Use graphite

GRAPHITIZATION
INIS: Jul 1984; ETDE: Nov 1975
RT carbonization
RT crystal-phase transformations
RT graphite

graphs
See diagrams
OR graph theory

grasers
Use gasers

GRASHOF NUMBER
RT convection
RT reynolds number

grass
Use gramineae

GRASSHOPPERS
*BT1 orthoptera
NT1 locusts

grasslands
Use rangelands

grates
Use gratings

GRATINGS
INIS: Jan 1984; ETDE: Jan 1982
(Crossed arrays of metal ribs or wires. Not for SCREENS or INTAKE STRUCTURES. See also DIFFRACTION GRATINGS, for which concept this term was used till November 1989.)
UF *grates*
RT diffraction
RT furnaces
RT screens
RT waveguides

GRAVELINES-B1 REACTOR
INIS: Feb 1980; ETDE: Mar 1980
(Gravelines, Nord, France)
*BT1 pwr type reactors

GRAVELINES-C6 REACTOR
INIS: Sep 1990; ETDE: Oct 1990
(Gravelines, Nord, France.)
*BT1 pwr type reactors

gravichem process
Use desulfurization

GRAVIMELT PROCESS
INIS: Apr 2000; ETDE: Aug 1980
(The chemical desulfurization of coal by reaction with an 80% molten caustic mixture with a 1:1 mole ratio of KOH and NaOH. The reaction occurs in a nickel reaction vessel at atmospheric pressure and 715 degrees F.)
*BT1 desulfurization

GRAVIMETRIC ANALYSIS
*BT1 quantitative chemical analysis
NT1 thermal gravimetric analysis

GRAVIMETRY
(For gravitation measurement only; see also GRAVIMETRIC ANALYSIS.)
RT acceleration
RT gravitation
RT gravity surveys

GRAVITATION
RT einstein effect
RT general relativity theory
RT gravimetry
RT gravitational fields
RT gravitational interactions
RT gravitational lenses
RT gravity waves
RT kaluza-klein theory
RT quantum gravity
RT schwarzschild metric
RT supergravity
RT twistor theory
RT unified-field theories
RT weightlessness

gravitational charges
Use fundamental constants
AND gravitons

GRAVITATIONAL COLLAPSE
UF *collapse (gravitational)*
RT black holes
RT neutron stars
RT schwarzschild radius
RT star evolution

GRAVITATIONAL FIELDS
UF *fields (gravitational)*
NT1 kerr field
RT einstein effect
RT einstein field equations
RT einstein-maxwell equations
RT equivalence principle
RT general relativity theory
RT gravitation
RT gravitational interactions
RT gravitational lenses
RT gravitational radiation
RT mass
RT metrics
RT potentials
RT quantum gravity
RT roche equipotentials
RT uniton
RT weyl unified theory

GRAVITATIONAL INSTABILITY
INIS: Apr 2000; ETDE: Jan 1975
*BT1 plasma instability

GRAVITATIONAL INTERACTIONS
*BT1 basic interactions
RT gravitation
RT gravitational fields
RT gravitational radiation
RT gravitational waves

GRAVITATIONAL LENSES
INIS: Feb 1983; ETDE: Mar 1983
BT1 lenses
RT general relativity theory
RT gravitation
RT gravitational fields

GRAVITATIONAL RADIATION
BT1 radiations
NT1 gravitons
RT general relativity theory
RT gravitational fields
RT gravitational interactions
RT gravitational wave detectors
RT gravitational waves

GRAVITATIONAL WAVE DETECTORS
INIS: Mar 1976; ETDE: Apr 1976
*BT1 radiation detectors
RT gravitational radiation
RT gravitational waves

GRAVITATIONAL WAVES
RT einstein-maxwell equations

RT gravitational interactions
RT gravitational radiation
RT gravitational wave detectors

GRAVITONS
UF+ *gravitational charges*
*BT1 gravitational radiation
*BT1 massless particles
*BT1 postulated particles
RT quantum gravity
RT supergravity
RT uniton

GRAVITY LOGGING
INIS: Apr 1984; ETDE: Jan 1977
BT1 well logging
RT gravity surveys

GRAVITY SURVEYS
INIS: Apr 1984; ETDE: Jan 1975
(Until April 1996 this concept was indexed to GEOPHYSICAL SURVEYS and GRAVIMETRY.)
*BT1 geophysical surveys
RT geothermal exploration
RT gravimetry
RT gravity logging

GRAVITY WAVES
(Waves in an interface between fluids of different density in which the restoring force is gravity.)
NT1 water waves
NT2 tsunamis
RT fluid mechanics
RT gravitation

gray
Use radiation dose units
AND si units

GRAYWACKE
*BT1 sandstones
RT conglomerates

GRAZING
INIS: Jul 1992; ETDE: Oct 1979
(Feeding on growing herbage.)
BT1 feeding
RT domestic animals
RT forage
RT rangelands
RT wild animals

GRAZING INCIDENCE TOMOGRAPHY
INIS: May 1981; ETDE: Jun 1981
*BT1 tomography

GREASES
BT1 lubricants
RT lubrication
RT oils

GREAT BASIN
INIS: Jun 1992; ETDE: Apr 1978
(Area including Nevada, Western and Central Utah, Mohave county in Arizona, and the counties of Alpine, El Dorado, Inyo, Mono, and San Bernardino in California.)
*BT1 usa
RT arizona
RT california
RT nevada
RT utah

great britain
Use united kingdom

GREAT LAKES
*BT1 lakes
NT1 lake erie
NT1 lake huron
NT1 lake michigan
NT1 lake ontario
NT1 lake superior
RT great lakes basin

GREAT LAKES BASIN
INIS: Jan 1992; ETDE: Jun 1978
BT1 watersheds
RT great lakes

great lakes region
Use usa

great plains
Use usa

GREAT SALT LAKE
INIS: Jun 1992; ETDE: Jul 1976
*BT1 lakes
RT utah

GREATER ANTILLES
INIS: Jun 1992; ETDE: Feb 1980
*BT1 west indies
NT1 cuba
NT1 hispaniola
NT2 dominican republic
NT2 haiti
NT1 jamaica
NT1 puerto rico

GREECE
BT1 developing countries
*BT1 western europe
RT oecd

GREEK ORGANIZATIONS
INIS: Nov 1984; ETDE: Dec 1984
BT1 national organizations

greek research reactor
Use democritus reactor

greeley event
Use nuclear explosions
AND underground explosions

GREEN FUNCTION
BT1 functions
RT differential equations
RT sturm-liouville equation

green oil
Use shale oil fractions

GREEN RIVER FORMATION
INIS: Apr 1984; ETDE: Feb 1975
BT1 geologic formations
NT1 mahogany zone
NT1 uinta formation
RT colorado
RT oil shale deposits
RT oil shales
RT piceance creek basin
RT sand wash basin
RT uranium deposits
RT uranium ores
RT utah
RT washakie basin
RT wyoming

GREENE COUNTY REACTOR
INIS: Feb 1976; ETDE: Nov 1975
*BT1 pwr type reactors

GREENHOUSE EFFECT
INIS: Dec 1982; ETDE: May 1976
UF *global warming*
BT1 climatic change
RT earth atmosphere
RT greenhouse gases
RT heat transfer
RT kyoto protocol
RT reflection
RT rio declaration
RT trapping

GREENHOUSE GASES
INIS: Apr 1992; ETDE: Sep 1991
RT air pollution
RT atmospheric chemistry
RT carbon dioxide
RT chlorofluorocarbons
RT emissions tax
RT emissions trading
RT greenhouse effect
RT kyoto protocol
RT methane
RT nitrogen oxides

GREENHOUSE PROJECT
UF *project greenhouse*
*BT1 nuclear explosions
RT eniwetok

GREENHOUSES
INIS: Aug 1992; ETDE: Jan 1975
(Until August 1992, this concept was indexed by BUILDINGS.)
BT1 buildings
NT1 attached greenhouses
RT agriculture
RT horticulture
RT hydroponic culture

GREENLAND
BT1 islands
RT arctic ocean
RT arctic regions
RT denmark

GREENWOOD-2 REACTOR
*BT1 pwr type reactors

GREENWOOD-3 REACTOR
*BT1 pwr type reactors

GREIFSWALD-1 REACTOR
(Greifswald, Federal Republic of Germany.)
UF *bruno leuschner-1 reactor*
UF *kkw greifswald-1 reactor*
*BT1 wwer type reactors

GREIFSWALD-2 REACTOR
(Greifswald, Federal Republic of Germany.)
UF *bruno leuschner-2 reactor*
UF *kkw greifswald-2 reactor*
*BT1 wwer type reactors

GREIFSWALD-3 REACTOR
INIS: Jul 1978; ETDE: Sep 1978
(Greifswald, Federal Republic of Germany.)
UF *bruno leuschner-3 reactor*
UF *kkw greifswald-3 reactor*
*BT1 wwer type reactors

GREIFSWALD-4 REACTOR
INIS: Jul 1978; ETDE: Sep 1978
(Greifswald, Federal Republic of Germany.)
UF *bruno leuschner-4 reactor*
UF *kkw greifswald-4 reactor*
*BT1 wwer type reactors

GREIFSWALD-5 REACTOR
INIS: Jul 1990; ETDE: Aug 1990
(Greifswald, German Democratic Republic)
UF *kkw greifswald-5 reactor*
*BT1 wwer type reactors

GREIFSWALD-6 REACTOR
INIS: Jul 1990; ETDE: Aug 1990
(Greifswald, German Democratic Republic)
UF *kkw greifswald-6 reactor*
*BT1 wwer type reactors

GRENADA
INIS: Mar 1997; ETDE: Mar 1997
*BT1 lesser antilles

GRENOBLE CYCLOTRON
*BT1 isochronous cyclotrons

GRENOBLE REACTOR
UF *franco-german high flux reactor*
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors

grenoble reactor melusine-1
Use melusine-1 reactor

grenoble reactor melusine-2
Use siloette reactor

greuling-goertzel approximation
See neutron slowing-down theory

GRIBOV-LIPATOV RELATION
BT1 equations
RT annihilation
RT scattering
RT structure functions

GRIDS
BT1 electrodes
RT battery paste

grids (coordinates)
Use coordinates

GRIGNARD REAGENTS
UF *alkylmagnesium compounds*
UF *arylmagnesium compounds*
*BT1 magnesium compounds
*BT1 organometallic compounds

grillo process
Use desulfurization

GRINDING
(For grinding in the sense of pulverization, use COMMINUTION.)
BT1 comminution
BT1 machining
RT grinding machines
RT honing
RT wear

GRINDING MACHINES
SF *mullers*
*BT1 machine tools
RT grinding

GROHNDE REACTOR
INIS: Jul 1976; ETDE: Sep 1976
(Grohnde, Niedersachsen, Federal Republic of Germany)
*BT1 pwr type reactors

grom devices
Use pinch devices

GROMMET OPERATION
INIS: Apr 2000; ETDE: Nov 1979
*BT1 nuclear explosions
*BT1 underground explosions
RT contained explosions

groningen (kvi) cyclotron
Use kvi cyclotron

groningen versneller instituut
Use kvi

GROSS DOMESTIC PRODUCT
INIS: Dec 1985; ETDE: Feb 1978
(Sum of a nation's economic output measured in terms of expenditures for goods and services by consumers, government, business, and foreign countries.)
SF *net material product*
SF *nmp(net material product)*
RT economic development
RT gross national product
RT market
RT production

GROSS NATIONAL PRODUCT
INIS: Dec 1986; ETDE: Jan 1976
(Sum of a nation's economic output measured in terms of expenditures for goods and services by consumers, government, business, and foreign countries and the earnings from foreign investments.)
SF *net material product*
SF *nmp(net material product)*
RT domestic supplies
RT economic development
RT economics
RT economy
RT gross domestic product
RT market
RT production

gross-neveu model
Use lagrangian field theory

grosswelzheim hdr reactor
Use hdr reactor

grosswelzheim pr-10 reactor
Use aeg-pr-10 reactor

ground control
Use strata control

GROUND COVER
INIS: Nov 1981; ETDE: Sep 1978
(Vegetation or other means for ensuring soil stability, usually in connection with buried wastes.)
RT canopies
RT crops
RT erosion
RT forests
RT gramineae
RT plants
RT revegetation
RT underground disposal
RT water pollution abatement

GROUND DISPOSAL
(For disposal of wastes near the earth's surface, e.g. in trenches.)
UF *land application*
UF *shallow land burial*
SF *waste burial*
*BT1 waste disposal
RT liquid wastes
RT radioactive wastes
RT sanitary landfills
RT sewage sludge
RT solid wastes
RT underground disposal

ground-effect machines
Use air cushion vehicles

ground experimental engine experiment
Use xe-prime reactor

ground experimental engine experiment-2
Use xe-2 reactor

GROUND LEVEL
BT1 levels

GROUND MOTION
(From September 1979 till February 1997 DISPLACEMENT RATES was a valid ETDE descriptor.)
UF *displacements (seismic)*
SF *displacement rates*
BT1 motion
RT earthquakes
RT ground subsidence
RT ground uplift
RT landslides
RT nuclear explosions
RT seismic detectors
RT seismic effects
RT seismic events
RT seismic waves
RT seismographs
RT seismology
RT shock waves
RT slope stability
RT soil-structure interactions
RT strata movement
RT underground explosions

GROUND RELEASE
(Release of gaseous effluents at ground level.)
*BT1 waste disposal
RT gaseous wastes
RT radioactive waste disposal
RT stack disposal

GROUND SOURCE HEAT PUMPS
INIS: May 2000; ETDE: Jan 1980
BT1 heat pumps
RT air conditioning
RT solar-assisted heat pumps
RT space heating

GROUND STATES
BT1 energy levels

GROUND SUBSIDENCE
INIS: Jul 1982; ETDE: Jan 1975
(Gradual sinking of the ground surface, e.g. due to collapse of an underground cavity.)
UF *subsidence (ground)*
RT ground motion

ground truth
Use ground truth measurements

GROUND TRUTH MEASUREMENTS
INIS: Dec 1982; ETDE: Apr 1996
(Data obtained on the ground concerning the significance of anomalies observed in remote sensing to help interpretation. From April 1980 until March 1996 GROUND TRUTH was used for this concept in ETDE.)
UF *ground truth*
RT data analysis
RT geochemical surveys
RT geophysical surveys
RT remote sensing

GROUND UPLIFT
INIS: Apr 2000; ETDE: Apr 1979
(Process of elevating a part of the earth's surface.)
- *RT* geodetic surveys
- *RT* ground motion
- *RT* strata movement
- *RT* tectonics

GROUND WATER
(From January 1975 till March 1997 METEORIC WATER was a valid ETDE descriptor.)
- UF *meteoric water*
- *BT1 water
- **NT1** interstitial water
- **NT1** magmatic water
- *RT* alluvial deposits
- *RT* aquicludes
- *RT* aquifers
- *RT* artesian basins
- *RT* atmospheric precipitations
- *RT* clays
- *RT* drawdown
- *RT* fluid withdrawal
- *RT* geysers
- *RT* groundwater recharge
- *RT* hydraulic conductivity
- *RT* hydrology
- *RT* leachates
- *RT* liquid wastes
- *RT* radionuclide migration
- *RT* reservoir pressure
- *RT* rock-fluid interactions
- *RT* soil mechanics
- *RT* soils
- *RT* surface waters
- *RT* underground
- *RT* water influx
- *RT* water resources
- *RT* water springs
- *RT* water tables

ground-water reserves
Use aquifers

ground water withdrawal
Use fluid withdrawal

groundnuts
Use peanuts

grounds
Use electric grounds

grounds (electric)
Use electric grounds

GROUNDWATER RECHARGE
INIS: Jan 1981; ETDE: May 1995
(The processes involved in the adsorption and addition of water to the zone of saturation.)
- SF *recharge*
- *RT* ground water

GROUP CONSTANTS
- BT1 cross sections
- *RT* energy range
- *RT* energy spectra
- *RT* multigroup theory

group iva metal compounds
Use transition element compounds

GROUP THEORY
(For mathematical groups only; for neutron-energy groups use MULTIGROUP THEORY.)
- BT1 mathematics
- *RT* clebsch-gordan coefficients
- *RT* clifford algebra
- *RT* galilei transformations
- *RT* irreducible representations
- *RT* nonunitary representations
- *RT* periodicity
- *RT* quantum groups
- *RT* r matrix
- *RT* racah coefficients
- *RT* space groups
- *RT* supersymmetry
- *RT* symmetry groups
- *RT* wigner coefficients
- *RT* young diagram

group va metal compounds
Use transition element compounds

group via metal compounds
Use transition element compounds

groups (space)
Use space groups

GROUTING
INIS: Feb 1981; ETDE: Mar 1977
- UF *grouts*
- *RT* bonding
- *RT* cementing
- *RT* cements
- *RT* fillers
- *RT* mortars
- *RT* plugging
- *RT* sealing materials
- *RT* seals
- *RT* stemming materials
- *RT* well completion

grouts
Use grouting

GROWTH
- UF+ *cell growth (animal)*
- UF+ *cell growth (plant)*
- UF+ *growth inhibition*
- UF+ *growth stimulation*
- **NT1** animal growth
- **NT1** plant growth
- *RT* age dependence
- *RT* augmentation
- *RT* biological regeneration
- *RT* life cycle
- *RT* metabolism
- *RT* physiology
- *RT* population dynamics
- *RT* ripening
- *RT* sth
- *RT* teratogenesis
- *RT* viability

growth (bubble)
Use bubble growth

growth (crystal)
Use crystal growth

growth (economic)
Use economic development

growth (grain)
Use grain growth

GROWTH FACTORS
INIS: Apr 1990; ETDE: Aug 1987
(Tissue specific proteins released by a cell which act on neighboring cells to stimulate their replication.)
- BT1 mitogens
- *BT1 proteins
- **NT1** lymphokines
  - **NT2** interferon
- *RT* cell differentiation
- *RT* cell proliferation
- *RT* erythropoietin
- *RT* oncogenes
- *RT* ontogenesis
- *RT* peptide hormones

growth hormone
Use sth

growth hormone-release inhibiting factor
Use somatostatin

growth inhibition
Use growth
AND inhibition

growth rings
See tree rings

growth stimulation
Use growth
AND stimulation

grr reactor
Use democritus reactor

grs
Use gesellschaft fuer anlagen- und reaktorsicherheit

GRUENEISEN CONSTANT
- *RT* compressibility
- *RT* specific heat
- *RT* thermal expansion

GRUENEISEN FORMULA
- *RT* electric conductivity
- *RT* metals

gs process
Use dual temperature process

gsd
Use genetically significant dose

GTP-ASES
INIS: Apr 2000; ETDE: May 1988
- UF *g-proteins*
- *BT1 acid anhydrases
- *RT* membrane proteins
- *RT* oncogenes

GTR REACTOR
(General Dynamics--Convair/U.S. Air Force, Fort Worth, Texas, USA)
- UF *fort worth gtr reactor*
- *BT1 pool type reactors
- *BT1 test reactors

GTRR REACTOR
(Georgia Institute of Technology, Atlanta, Georgia, USA)
- UF *georgia tech. research reactor*
- *BT1 enriched uranium reactors
- *BT1 heavy water cooled reactors
- *BT1 heavy water moderated reactors
- *BT1 isotope production reactors
- *BT1 research reactors
- *BT1 tank type reactors
- *BT1 test reactors
- *BT1 training reactors

GUAM
INIS: Jun 1992; ETDE: Feb 1978
- *BT1 mariana islands

guanethidine
Use carbonic acid derivatives
AND heterocyclic compounds
AND organic nitrogen compounds

GUANIDINES
UF *iminourea*
*BT1 carbonic acid derivatives
*BT1 organic nitrogen compounds
NT1 mibg
RT amides
RT creatine
RT imines
RT meg

guanidylaminovaleric acid
Use arginine

GUANINE
UF *aminohypoxanthine*
*BT1 amines
*BT1 hydroxy compounds
*BT1 purines
RT guanosine
RT guanylic acid

GUANOSINE
*BT1 nucleosides
*BT1 purines
RT guanine
RT guanylic acid

GUANYLIC ACID
*BT1 nucleotides
RT guanine
RT guanosine

guard logging
Use resistivity logging

guards
Use security personnel

GUATEMALA
*BT1 central america
BT1 developing countries

GUAYULE
INIS: Apr 2000; ETDE: Jan 1980
UF *parthenium argentatum*
*BT1 rubber trees
RT natural rubber

guidance (electronic)
Use electronic guidance

GUIDE TUBES
INIS: Feb 1986; ETDE: Nov 1990
(Tubes which are a part of a reactor core and serve as guides for control rods or monitoring instruments.)
BT1 tubes
RT control elements
RT fuel assemblies

guidelines
Use recommendations

guides (shaft)
Use shaft guides

GUIDING-CENTER APPROXIMATION
RT charged particles
RT magnetic fields
RT motion
RT plasma
RT rotation

GUILLEMINITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 uranium minerals
RT selenium oxides
RT uranium oxides

GUINEA
INIS: Jun 1992; ETDE: Aug 1980
BT1 africa
RT niger river

GUINEA PIGS
*BT1 rodents

GUINIER-PRESTON ZONES
BT1 zones
RT crystal structure
RT phase transformations
RT segregation

gulf coast
Use us gulf coast

gulf general atomic fast breeder reactor
Use gcfr reactor

gulf general atomic triga-mk-3
Use gulf triga-mk-3 reactor

GULF HDS PROCESS
INIS: Apr 2000; ETDE: May 1982
(Fix-bed catalytic hydrogenation process. Primary reactions are desulfurization, demetallization, denitrogenation, and upgrading of asphaltenes.)
*BT1 desulfurization
*BT1 hydrogenation
*BT1 refining

GULF OF ALASKA
INIS: Jun 1992; ETDE: Apr 1976
UF *cook inlet*
*BT1 pacific ocean

GULF OF CALIFORNIA
INIS: Jun 1992; ETDE: Nov 1975
*BT1 pacific ocean

GULF OF MAINE
INIS: Dec 1975; ETDE: Jan 1975
*BT1 atlantic ocean
RT massachusetts
RT new hampshire

GULF OF MEXICO
*BT1 caribbean sea
NT1 galveston bay
NT1 san antonio bay
RT us gulf coast

GULF OF SUEZ
INIS: Jun 1992; ETDE: Jan 1976
*BT1 red sea

GULF STREAM
INIS: Feb 1992; ETDE: Jun 1977
UF *florida current*
*BT1 water currents
RT atlantic ocean
RT mid-atlantic bight

GULF TRIGA-MK-3 REACTOR
UF *gulf general atomic triga-mk-3*
UF *triga-3-gulf reactor*
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 training reactors
*BT1 triga type reactors

GUM ACACIA
UF *gum arabic*
*BT1 polysaccharides
RT arabinose

gum arabic
Use gum acacia

gummite
Use oxide minerals
AND uranium minerals

GUMS
INIS: Apr 2000; ETDE: Jan 1975
RT colloids

gun cotton
Use nitrocellulose

gundremmingen-1 reactor
Use rwe-bayernwerk reactor

GUNDREMMINGEN-2 REACTOR
INIS: Aug 1975; ETDE: May 1975
UF *krb ii-b reactor*
UF *rwe-bayernwerk-b reactor*
*BT1 bwr type reactors

GUNDREMMINGEN-3 REACTOR
INIS: Aug 1975; ETDE: May 1975
UF *krb ii-c reactor*
UF *rwe-bayernwerk-c reactor*
*BT1 bwr type reactors

gundremminger krb reactor
Use rwe-bayernwerk reactor

GUNNISON RIVER
*BT1 rivers
RT colorado

GUNS
INIS: May 1976; ETDE: Jan 1975
RT ammunition
RT armor
RT explosives
RT projectiles

guns (electron)
Use electron guns

guns (plasma)
Use plasma guns

GUYANA
INIS: Dec 1982; ETDE: Oct 1981
(Formerly British Guiana; achieved independence in 1966.)
UF *british guiana*
BT1 developing countries
*BT1 south america

gymnosperms
Use pinophyta

GYNECOLOGY
(Including obstetrics)
UF *obstetrics*
BT1 medicine
RT female genitals
RT pregnancy
RT urogenital system diseases
RT women

GYPSUM
*BT1 sulfate minerals
RT anhydrite
RT calcium sulfates

GYPSUM CEMENTS
UF *plaster of paris*
*BT1 cements

gypsy moth
Use lymantria dispar

GYROCONS
INIS: Mar 1981; ETDE: May 1979
(Electron tubes operating by deflection modulation.)
BT1 electron tubes
RT klystrons
RT power supplies
RT rf systems

gyroelectric ratio
See angular momentum
OR electric moments

GYROFREQUENCY
UF *frequency (gyro)*
RT cyclotron frequency

gyromagnetic radius
Use larmor radius

GYROMAGNETIC RATIO
UF *g factor (gyromagnetic ratio)*
RT angular momentum
RT magnetic moments

GYROSCOPES
RT measuring instruments
RT precession
RT rotation

gyrotrons
Use microwave amplifiers

H

H-1 HELIAC
INIS: Apr 1990; ETDE: May 1990
*BT1 heliac stellarators
RT sheila heliac

h-2050 resonances
Use f4-2050 mesons

h-alpha line
Use balmer lines

h-beta line
Use balmer lines

H CENTERS
*BT1 color centers

H-COAL PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Hydrocarbon Research, Inc. process for the direct catalytic conversion of whole coal to synthetic crude oil at moderate temperature (950 degrees F) and high pressure (2250-2700 psig).)
*BT1 coal liquefaction

H CODES
BT1 computer codes

h-gamma line
Use balmer lines

H-MODE PLASMA CONFINEMENT
INIS: Nov 1988; ETDE: Oct 1989
(An operational regime in neutral-beam-injection-heated divertor tokamaks.)
*BT1 magnetic confinement
RT confinement time
RT divertors
RT edge localized modes
RT l-mode plasma confinement
RT tokamak devices

H-OIL PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Method of hydrogenation to upgrade oil shale.)
RT oil sands
RT oil shales

H THEOREM
RT boltzmann statistics
RT entropy

H1-1170 MESONS
INIS: Dec 1987; ETDE: Aug 1995
(Until July 1995 this concept was indexed by H1-1190 MESONS.)
UF *h1-1190 mesons*
*BT1 axial vector mesons

h1-1190 mesons
Use h1-1170 mesons

H1 REGIONS
BT1 cosmic radio sources
RT hydrogen

H2 REGIONS
BT1 cosmic radio sources
RT hydrogen ions 1 plus
RT nebulae

haag-araki field theory
Use algebraic field theory

HAAG THEOREM
RT phi4-field theory
RT quantum field theory

HABIT PLANES
RT crystal lattices
RT phase transformations

HABITAT
INIS: Aug 1991; ETDE: Nov 1976
(The area or type of environment in which a plant or animal normally occurs or lives.)
RT environment
RT nests

habrobracon
Use wasps

HACHIMANTAI
INIS: Apr 2000; ETDE: Apr 1978
*BT1 japan
RT matsukawa geothermal field
RT onuma geothermal field
RT takinoue geothermal field
RT volcanic regions

haddam neck reactor
Use connecticut yankee reactor

HADRON-HADRON INTERACTIONS
*BT1 particle interactions
NT1 baryon-baryon interactions
NT2 hyperon-hyperon interactions
NT2 nucleon-antinucleon interactions
NT3 antiproton-neutron interactions
NT3 neutron-antineutron interactions
NT3 proton-antineutron interactions
NT3 proton-antiproton interactions
NT2 nucleon-hyperon interactions
NT2 nucleon-nucleon interactions
NT3 neutron-neutron interactions
NT3 proton-nucleon interactions
NT4 proton-neutron interactions
NT4 proton-proton interactions
NT1 meson-baryon interactions
NT2 meson-hyperon interactions
NT3 kaon-hyperon interactions
NT3 pion-hyperon interactions
NT2 meson-nucleon interactions
NT3 kaon-nucleon interactions
NT4 kaon-neutron interactions
NT5 kaon minus-neutron interactions
NT5 kaon neutral-neutron interactions
NT5 kaon plus-neutron interactions
NT4 kaon-proton interactions
NT5 kaon minus-proton interactions
NT5 kaon neutral-proton interactions
NT5 kaon plus-proton interactions
NT3 pion-nucleon interactions
NT4 pion-neutron interactions
NT5 pion minus-neutron interactions
NT5 pion plus-neutron interactions
NT4 pion-proton interactions
NT5 pion minus-proton interactions
NT5 pion plus-proton interactions
NT1 meson-meson interactions
NT2 kaon-kaon interactions
NT2 pion-kaon interactions
NT2 pion-pion interactions
RT electromagnetic interactions
RT strong interactions

HADRON REACTIONS
BT1 nuclear reactions
NT1 baryon reactions
NT2 hyperon reactions
NT2 nucleon reactions
NT3 antinucleon reactions
NT4 antineutron reactions
NT4 antiproton reactions
NT3 neutron reactions
NT4 fast fission
NT4 thermal fission
NT3 proton reactions
NT1 meson reactions
NT2 kaon reactions
NT3 kaon minus reactions
NT3 kaon neutral reactions
NT3 kaon plus reactions
NT2 pion reactions
NT3 pion minus reactions
NT3 pion plus reactions
RT space-time model

HADRONIC ATOMS
(Atoms with a hadron such as an antiproton or a sigma-minus particle bound in atomic orbits.)
UF *antiprotonic atoms*
UF *exotic atoms*
UF *sigma-minus atoms*
BT1 atoms
NT1 mesic atoms
NT2 kaonic atoms
NT2 pionic atoms
NT1 protonium

hadronic clusters
Use cluster emission model

HADRONIC PARTICLE DECAY
INIS: Feb 1978; ETDE: Apr 1978
(Particle decay due to hadronic interaction.)
*BT1 particle decay
RT strong interactions

HADRONS
BT1 elementary particles
NT1 baryons
NT2 antibaryons
NT3 antihyperons

NT3 eta-1440 mesons
NT3 k-1460 mesons
NT3 k-1830 mesons
NT3 kaons
NT4 antikaons
NT5 antikaons neutral
NT4 cosmic kaons
NT4 kaons minus
NT4 kaons neutral
NT5 antikaons neutral
NT5 kaons neutral long-lived
NT5 kaons neutral short-lived
NT4 kaons plus
NT3 pi-1300 mesons
NT3 pi-1770 mesons
NT3 pions
NT4 cosmic pions
NT4 pions minus
NT4 pions neutral
NT4 pions plus
NT3 pseudoscalar antimesons
NT4 anti-b neutral mesons
NT4 anti-d neutral mesons
NT2 scalar mesons
NT3 a0-980 mesons
NT3 chi0-3415 mesons
NT3 f0-1240 mesons
NT3 f0-1300 mesons
NT3 f0-1590 mesons
NT3 f0-1730 mesons
NT3 f0-980 mesons
NT3 k*0-1430 mesons
NT2 strange mesons
NT3 b s mesons
NT3 d s mesons
NT3 d s-2536 mesons
NT3 d*s-2110 mesons
NT3 k*-1410 mesons
NT3 k*-1680 mesons
NT3 k*-892 mesons
NT3 k*0-1430 mesons
NT3 k*2-1430 mesons
NT3 k*3-1780 mesons
NT3 k*4-2045 mesons
NT3 k-1460 mesons
NT3 k-1830 mesons
NT3 k1-1270 mesons
NT3 k1-1400 mesons
NT3 k2-1770 mesons
NT3 k2-1820 mesons
NT3 kaons
NT4 antikaons
NT5 antikaons neutral
NT4 cosmic kaons
NT4 kaons minus
NT4 kaons neutral
NT5 antikaons neutral
NT5 kaons neutral long-lived
NT5 kaons neutral short-lived
NT4 kaons plus
NT2 strangeonium
NT3 f2 prime-1525 mesons
NT3 phi-1020 mesons
NT3 phi-1680 mesons
NT3 phi3-1850 mesons
NT2 tensor mesons
NT3 a2-1320 mesons
NT3 a4-2040 mesons
NT3 a6-2450 mesons
NT3 chi b2-9915 mesons
NT3 chi2-3555 mesons
NT3 d*2-2460 mesons
NT3 f2 prime-1525 mesons
NT3 f2-1270 mesons
NT3 f2-1430 mesons
NT3 f2-1720 mesons
NT3 f2-1810 mesons
NT3 f2-2010 mesons
NT3 f2-2300 mesons
NT3 f2-2340 mesons
NT3 f4-2050 mesons
NT3 f4-2300 mesons
NT3 f6-2510 mesons
NT3 k*2-1430 mesons
NT3 k*3-1780 mesons
NT3 k*4-2045 mesons
NT3 k2-1770 mesons
NT3 k2-1820 mesons
NT3 omega3-1670 mesons
NT3 phi3-1850 mesons
NT3 pi2-1670 mesons
NT3 pi2-2100 mesons
NT3 rho3-1690 mesons
NT3 rho3-2250 mesons
NT3 rho5-2350 mesons
NT2 toponium
NT2 vector mesons
NT3 b*-5325 mesons
NT3 d*-2010 mesons
NT3 j psi-3097 mesons
NT3 k*-1410 mesons
NT3 k*-1680 mesons
NT3 k*-892 mesons
NT3 omega-1420 mesons
NT3 omega-1600 mesons
NT3 omega-782 mesons
NT3 phi-1020 mesons
NT3 phi-1680 mesons
NT3 psi-3685 mesons
NT3 psi-3770 mesons
NT3 psi-4040 mesons
NT3 psi-4160 mesons
NT3 psi-4415 mesons
NT3 rho-1450 mesons
NT3 rho-1700 mesons
NT3 rho-2150 mesons
NT3 rho-770 mesons
NT3 upsilon-10023 mesons
NT3 upsilon-10355 mesons
NT3 upsilon-10580 mesons
NT3 upsilon-10860 mesons
NT3 upsilon-11020 mesons
NT3 upsilon-9460 mesons
NT2 x-1700 mesons
NT2 x-1935 mesons
NT2 x-2220 mesons
NT2 x-3075 mesons
NT1 resonance particles
NT2 exotic resonances
RT centauro-type events
RT charm particles
RT cim model
RT grace particles
RT melosh transformation
RT taste particles

haem dehydrogenases

Use oxidoreductases

HAEMOPHILUS

UF *hemophilus*
*BT1 bacteria

HAFNATES

(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 hafnium compounds
BT1 oxygen compounds
RT hafnium oxides

HAFNIUM

*BT1 refractory metals
*BT1 transition elements
NT1 hafnium-alpha
NT1 hafnium-beta

HAFNIUM 154

INIS: May 1986; ETDE: Jul 1986
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

HAFNIUM 155

INIS: May 1986; ETDE: Jul 1986
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

HAFNIUM 156

INIS: Sep 1979; ETDE: Oct 1979
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 microseconds living radioisotopes
*BT1 milliseconds living radioisotopes

HAFNIUM 157

*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes

HAFNIUM 158

*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

HAFNIUM 159

*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

HAFNIUM 160

*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

HAFNIUM 161

*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

HAFNIUM 162

INIS: Jun 1982; ETDE: Feb 1982
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

HAFNIUM 163

INIS: Dec 1980; ETDE: Aug 1980
*BT1 beta-plus decay radioisotopes

*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes

HAFNIUM 164
INIS: Apr 1982; ETDE: Feb 1982
*BT1 even-even nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

HAFNIUM 165
INIS: Jun 1982; ETDE: Jul 1982
*BT1 even-odd nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

HAFNIUM 166
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

HAFNIUM 167
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

HAFNIUM 168
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

HAFNIUM 169
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes

HAFNIUM 170
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hafnium isotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei

HAFNIUM 171
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hafnium isotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei

HAFNIUM 172
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 years living radioisotopes

HAFNIUM 173
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hafnium isotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei

HAFNIUM 174
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 years living radioisotopes

HAFNIUM 174 TARGET
INIS: Sep 1977; ETDE: May 1977
BT1 targets

HAFNIUM 175
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei

HAFNIUM 176
*BT1 even-even nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 stable isotopes

HAFNIUM 176 TARGET
INIS: Apr 1976; ETDE: Jul 1976
BT1 targets

HAFNIUM 177
*BT1 even-odd nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 seconds living radioisotopes
*BT1 stable isotopes

HAFNIUM 177 TARGET
BT1 targets

HAFNIUM 178
*BT1 even-even nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 seconds living radioisotopes
*BT1 stable isotopes
*BT1 years living radioisotopes

HAFNIUM 178 TARGET
BT1 targets

HAFNIUM 179
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 hafnium isotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 seconds living radioisotopes
*BT1 stable isotopes

HAFNIUM 179 TARGET
BT1 targets

HAFNIUM 180
*BT1 even-even nuclei
*BT1 hafnium isotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 stable isotopes

HAFNIUM 180 TARGET
BT1 targets

HAFNIUM 181
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 hafnium isotopes
*BT1 heavy nuclei

HAFNIUM 182
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 hafnium isotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 years living radioisotopes

HAFNIUM 183
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hafnium isotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes

HAFNIUM 184
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 hafnium isotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes

HAFNIUM 185
*BT1 even-odd nuclei
*BT1 hafnium isotopes
*BT1 heavy nuclei

HAFNIUM 186
*BT1 even-even nuclei
*BT1 hafnium isotopes
*BT1 heavy nuclei

HAFNIUM ADDITIONS
(Alloys containing not more than 1% Hf are listed here.)
*BT1 hafnium alloys
NT1 astar 811c

HAFNIUM ALLOYS
(Alloys containing more than 1% Hf.)
*BT1 transition element alloys
NT1 alloy-c-103
NT1 alloy-ta90w8hf
NT2 tantalum alloy-t111
NT1 hafnium additions
NT2 astar 811c
NT1 hafnium base alloys

HAFNIUM-ALPHA
*BT1 hafnium

HAFNIUM ARSENIDES
INIS: Apr 2000; ETDE: Jun 1984
*BT1 arsenides
*BT1 hafnium compounds

HAFNIUM BASE ALLOYS
*BT1 hafnium alloys

HAFNIUM-BETA
*BT1 hafnium

HAFNIUM BORIDES
*BT1 borides
*BT1 hafnium compounds

HAFNIUM BROMIDES
*BT1 bromides
*BT1 hafnium compounds

HAFNIUM CARBIDES
*BT1 carbides
*BT1 hafnium compounds

HAFNIUM CHLORIDES
*BT1 chlorides
*BT1 hafnium compounds

HAFNIUM COMPLEXES
*BT1 transition element complexes

HAFNIUM COMPOUNDS
UF+ *hafnium tungstates*
BT1 refractory metal compounds
BT1 transition element compounds
NT1 hafnates
NT1 hafnium arsenides
NT1 hafnium borides
NT1 hafnium bromides
NT1 hafnium carbides
NT1 hafnium chlorides
NT1 hafnium fluorides
NT1 hafnium hydrides
NT1 hafnium hydroxides
NT1 hafnium iodides
NT1 hafnium nitrates
NT1 hafnium nitrides
NT1 hafnium oxides
NT1 hafnium perchlorates
NT1 hafnium phosphates
NT1 hafnium phosphides
NT1 hafnium selenides
NT1 hafnium silicates
NT1 hafnium silicides
NT1 hafnium sulfates
NT1 hafnium sulfides
NT1 hafnium tellurides

HAFNIUM FLUORIDES
*BT1 fluorides
*BT1 hafnium compounds

HAFNIUM HYDRIDES
*BT1 hafnium compounds
*BT1 hydrides

HAFNIUM HYDROXIDES
*BT1 hafnium compounds
*BT1 hydroxides

HAFNIUM IODIDES
*BT1 hafnium compounds
*BT1 iodides

HAFNIUM IONS
*BT1 ions

HAFNIUM ISOTOPES
BT1 isotopes
NT1 hafnium 154
NT1 hafnium 155
NT1 hafnium 156
NT1 hafnium 157
NT1 hafnium 158
NT1 hafnium 159
NT1 hafnium 160
NT1 hafnium 161
NT1 hafnium 162
NT1 hafnium 163
NT1 hafnium 164
NT1 hafnium 165
NT1 hafnium 166
NT1 hafnium 167
NT1 hafnium 168
NT1 hafnium 169
NT1 hafnium 170
NT1 hafnium 171
NT1 hafnium 172
NT1 hafnium 173
NT1 hafnium 174
NT1 hafnium 175
NT1 hafnium 176
NT1 hafnium 177
NT1 hafnium 178
NT1 hafnium 179
NT1 hafnium 180
NT1 hafnium 181
NT1 hafnium 182
NT1 hafnium 183
NT1 hafnium 184
NT1 hafnium 185
NT1 hafnium 186

HAFNIUM NITRATES
*BT1 hafnium compounds
*BT1 nitrates

HAFNIUM NITRIDES
*BT1 hafnium compounds
*BT1 nitrides

HAFNIUM OXIDES
*BT1 hafnium compounds
*BT1 oxides
RT baddeleyite
RT hafnates
RT oxide minerals

HAFNIUM PERCHLORATES
INIS: Sep 1991; ETDE: Mar 1980
*BT1 hafnium compounds
*BT1 perchlorates

HAFNIUM PHOSPHATES
*BT1 hafnium compounds
*BT1 phosphates

HAFNIUM PHOSPHIDES
INIS: Sep 1991; ETDE: Feb 1979
*BT1 hafnium compounds
*BT1 phosphides

HAFNIUM SELENIDES
*BT1 hafnium compounds
*BT1 selenides

HAFNIUM SILICATES
*BT1 hafnium compounds
*BT1 silicates

HAFNIUM SILICIDES
INIS: Apr 1979; ETDE: Jan 1975
*BT1 hafnium compounds
*BT1 silicides

HAFNIUM SULFATES
*BT1 hafnium compounds
*BT1 sulfates

HAFNIUM SULFIDES
*BT1 hafnium compounds
*BT1 sulfides

HAFNIUM TELLURIDES
INIS: Sep 1985; ETDE: Sep 1978
*BT1 hafnium compounds
*BT1 tellurides

hafnium tungstates
Use hafnium compounds
AND tungstates

hahn-meitner vicksi accelerator
Use vicksi accelerator

hahnium
Use element 105

HAIL
BT1 atmospheric precipitations
RT ice
RT weather

haines process
Use desulfurization

HAIR
*BT1 skin
RT epilation
RT hair follicles
RT melanin

HAIR FOLLICLES
INIS: Sep 1975; ETDE: Jan 1975
BT1 animal cells
*BT1 skin
RT epithelium
RT hair

HAITI
INIS: Apr 1988; ETDE: Sep 1979
BT1 developing countries
*BT1 hispaniola
BT1 latin america

haizy
Use haizy cyclotron

HAIZY CYCLOTRON
INIS: Jun 1983; ETDE: Jul 1983
(Hamburg isochronous cyclotron.)
UF *haizy*
*BT1 isochronous cyclotrons

halden heavy boiling water reactor
Use hbwr reactor

halex process
Use purex process

HALF-LIFE
UF *halftime*
RT days living radioisotopes
RT decay
RT ft value
RT geiger-nuttall law
RT hours living radioisotopes
RT lifetime
RT microseconds living radioisotopes
RT milliseconds living radioisotopes
RT minutes living radioisotopes
RT nanoseconds living radioisotopes
RT radioisotope generators
RT residence half-time
RT seconds living radioisotopes
RT years living radioisotopes

half-life (biological)
Use biological half-life

half-life (effective)
Use biological half-life

HALF-THICKNESS
(Thickness of material which reduces the intensity of a beam of radiation passing through it to one-half its initial value.)
BT1 physical properties
RT absorption
RT radiation length
RT radiation protection
RT radiation quality
RT shielding
RT thickness

halfbeak event
Use nuclear explosions
AND underground explosions

halftime
Use half-life

HALIDE MINERALS
INIS: Apr 1984; ETDE: May 1982
UF+ *schroeckingerite*
BT1 minerals
NT1 carnallite
NT1 fluorite
NT1 halite
RT calcium fluorides
RT magnesium chlorides
RT potassium chlorides

HALIDES

UF+ *acid halides*
BT1 halogen compounds
NT1 ammonium halides
NT2 ammonium chlorides
NT2 ammonium fluorides
NT1 bromides
NT2 aluminium bromides
NT2 antimony bromides
NT2 arsenic bromides
NT2 barium bromides
NT2 beryllium bromides
NT2 bismuth bromides
NT2 boron bromides
NT2 cadmium bromides
NT2 calcium bromides
NT2 californium bromides
NT2 cerium bromides
NT2 cesium bromides
NT2 chromium bromides
NT2 cobalt bromides
NT2 copper bromides
NT2 dysprosium bromides
NT2 einsteinium bromides
NT2 erbium bromides
NT2 europium bromides
NT2 fermium bromides
NT2 gadolinium bromides
NT2 gallium bromides
NT2 germanium bromides
NT2 gold bromides
NT2 hafnium bromides
NT2 holmium bromides
NT2 indium bromides
NT2 iodine bromides
NT2 iron bromides
NT2 krypton bromides
NT2 lanthanum bromides
NT2 lead bromides
NT2 lithium bromides
NT2 lutetium bromides
NT2 magnesium bromides
NT2 manganese bromides
NT2 mercury bromides
NT2 molybdenum bromides
NT2 neodymium bromides
NT2 neptunium bromides
NT2 nickel bromides
NT2 niobium bromides
NT2 nitrogen bromides
NT2 palladium bromides
NT2 phosphorus bromides
NT2 platinum bromides
NT2 polonium bromides
NT2 potassium bromides
NT2 praseodymium bromides
NT2 protactinium bromides
NT2 radium bromides
NT2 rhenium bromides
NT2 rhodium bromides
NT2 rubidium bromides
NT2 ruthenium bromides
NT2 samarium bromides
NT2 scandium bromides
NT2 selenium bromides
NT2 silicon bromides
NT2 silver bromides
NT2 sodium bromides
NT2 strontium bromides
NT2 tantalum bromides
NT2 technetium bromides
NT2 tellurium bromides
NT2 terbium bromides
NT2 thallium bromides
NT2 thorium bromides
NT2 thulium bromides
NT2 tin bromides
NT2 titanium bromides
NT2 tungsten bromides
NT2 uranium bromides
NT2 vanadium bromides
NT2 xenon bromides
NT2 ytterbium bromides
NT2 yttrium bromides
NT2 zinc bromides
NT2 zirconium bromides
NT1 cadmium halides
NT2 cadmium bromides
NT2 cadmium chlorides
NT2 cadmium fluorides
NT2 cadmium iodides
NT1 calcium halides
NT2 calcium bromides
NT2 calcium chlorides
NT2 calcium fluorides
NT2 calcium iodides
NT1 chlorides
NT2 aluminium chlorides
NT2 americium chlorides
NT2 ammonium chlorides
NT2 antimony chlorides
NT2 argon chlorides
NT2 arsenic chlorides
NT2 astatine chlorides
NT2 barium chlorides
NT2 berkelium chlorides
NT2 beryllium chlorides
NT2 bismuth chlorides
NT2 boron chlorides
NT2 bromine chlorides
NT2 cadmium chlorides
NT2 calcium chlorides
NT2 californium chlorides
NT2 cerium chlorides
NT2 cesium chlorides
NT2 chromium chlorides
NT2 cobalt chlorides
NT2 copper chlorides
NT2 curium chlorides
NT2 dysprosium chlorides
NT2 einsteinium chlorides
NT2 element 104 chlorides
NT2 erbium chlorides
NT2 europium chlorides
NT2 gadolinium chlorides
NT2 gallium chlorides
NT2 germanium chlorides
NT2 gold chlorides
NT2 hafnium chlorides
NT2 helium chlorides
NT2 holmium chlorides
NT2 indium chlorides
NT2 iodine chlorides
NT2 iridium chlorides
NT2 iron chlorides
NT2 krypton chlorides
NT2 lanthanum chlorides
NT2 lead chlorides
NT2 lithium chlorides
NT2 lutetium chlorides
NT2 magnesium chlorides
NT2 manganese chlorides
NT2 mercury chlorides
NT2 methylene blue
NT2 molybdenum chlorides
NT2 neodymium chlorides
NT2 neon chlorides
NT2 neptunium chlorides
NT2 nickel chlorides
NT2 niobium chlorides
NT2 nitrogen chlorides
NT2 osmium chlorides
NT2 palladium chlorides
NT2 phosphorus chlorides
NT2 platinum chlorides
NT2 plutonium chlorides
NT2 potassium chlorides
NT2 praseodymium chlorides
NT2 promethium chlorides
NT2 protactinium chlorides
NT2 radium chlorides
NT2 rhenium chlorides
NT2 rhodium chlorides
NT2 rubidium chlorides
NT2 ruthenium chlorides
NT2 samarium chlorides
NT2 scandium chlorides
NT2 selenium chlorides
NT2 silicon chlorides
NT2 silver chlorides
NT2 sodium chlorides
NT2 strontium chlorides
NT2 sulfur chlorides
NT2 tantalum chlorides
NT2 technetium chlorides
NT2 tellurium chlorides
NT2 terbium chlorides
NT2 tetrazolium
NT2 thallium chlorides
NT2 thionyl chlorides
NT2 thorium chlorides
NT2 thulium chlorides
NT2 tin chlorides
NT2 titanium chlorides
NT2 tungsten chlorides
NT2 uranium chlorides
NT2 uranyl chlorides
NT2 vanadium chlorides
NT2 xenon chlorides
NT2 ytterbium chlorides
NT2 yttrium chlorides
NT2 zinc chlorides
NT2 zirconium chlorides
NT1 copper halides
NT2 copper bromides
NT2 copper chlorides
NT2 copper fluorides
NT2 copper iodides
NT1 fluorides
NT2 aluminium fluorides
NT2 americium fluorides
NT2 ammonium fluorides
NT2 antimony fluorides
NT2 argon fluorides
NT2 arsenic fluorides
NT2 barium fluorides
NT2 berkelium fluorides
NT2 beryllium fluorides
NT2 bismuth fluorides
NT2 boron fluorides
NT2 bromine fluorides
NT2 cadmium fluorides
NT2 calcium fluorides
NT2 californium fluorides
NT2 carbon fluorides
NT2 cerium fluorides
NT2 cesium fluorides
NT2 chlorine fluorides
NT2 chromium fluorides
NT2 cobalt fluorides
NT2 copper fluorides
NT2 curium fluorides
NT2 dysprosium fluorides
NT2 erbium fluorides
NT2 europium fluorides
NT2 gadolinium fluorides
NT2 gallium fluorides
NT2 germanium fluorides
NT2 gold fluorides
NT2 hafnium fluorides
NT2 holmium fluorides
NT2 indium fluorides
NT2 iodine fluorides
NT2 iridium fluorides
NT2 iron fluorides
NT2 krypton fluorides
NT2 lanthanum fluorides

NT2 lead fluorides
NT2 lithium fluorides
NT2 lutetium fluorides
NT2 magnesium fluorides
NT2 manganese fluorides
NT2 mercury fluorides
NT2 molybdenum fluorides
NT2 neodymium fluorides
NT2 neon fluorides
NT2 neptunium fluorides
NT2 nickel fluorides
NT2 niobium fluorides
NT2 nitrogen fluorides
NT2 osmium fluorides
NT2 palladium fluorides
NT2 phosphorus fluorides
NT2 platinum fluorides
NT2 plutonium fluorides
NT2 potassium fluorides
NT2 praseodymium fluorides
NT2 promethium fluorides
NT2 protactinium fluorides
NT2 radon fluorides
NT2 rhenium fluorides
NT2 rhodium fluorides
NT2 rubidium fluorides
NT2 ruthenium fluorides
NT2 samarium fluorides
NT2 scandium fluorides
NT2 selenium fluorides
NT2 silicon fluorides
NT2 silver fluorides
NT2 sodium fluorides
NT2 strontium fluorides
NT2 sulfur fluorides
NT2 tantalum fluorides
NT2 technetium fluorides
NT2 tellurium fluorides
NT2 terbium fluorides
NT2 thallium fluorides
NT2 thorium fluorides
NT2 thulium fluorides
NT2 tin fluorides
NT2 titanium fluorides
NT2 tungsten fluorides
NT2 uranium fluorides
NT3 uranium hexafluoride
NT3 uranium pentafluoride
NT3 uranium tetrafluoride
NT2 uranyl fluorides
NT2 vanadium fluorides
NT2 xenon fluorides
NT2 ytterbium fluorides
NT2 yttrium fluorides
NT2 zinc fluorides
NT2 zirconium fluorides
NT1 gallium halides
NT2 gallium bromides
NT2 gallium chlorides
NT2 gallium fluorides
NT2 gallium iodides
NT1 iodides
NT2 aluminium iodides
NT2 antimony iodides
NT2 argon iodides
NT2 arsenic iodides
NT2 barium iodides
NT2 bismuth iodides
NT2 boron iodides
NT2 cadmium iodides
NT2 calcium iodides
NT2 cerium iodides
NT2 cesium iodides
NT2 chromium iodides
NT2 cobalt iodides
NT2 copper iodides
NT2 curium iodides
NT2 dysprosium iodides
NT2 erbium iodides
NT2 europium iodides
NT2 gadolinium iodides
NT2 gallium iodides
NT2 germanium iodides
NT2 gold iodides
NT2 hafnium iodides
NT2 holmium iodides
NT2 indium iodides
NT2 iron iodides
NT2 lanthanum iodides
NT2 lead iodides
NT2 lithium iodides
NT2 lutetium iodides
NT2 magnesium iodides
NT2 manganese iodides
NT2 mercury iodides
NT2 molybdenum iodides
NT2 neodymium iodides
NT2 neon iodides
NT2 neptunium iodides
NT2 nickel iodides
NT2 niobium iodides
NT2 nitrogen iodides
NT2 palladium iodides
NT2 phosphorus iodides
NT2 platinum iodides
NT2 plutonium iodides
NT2 potassium iodides
NT2 praseodymium iodides
NT2 rhenium iodides
NT2 rubidium iodides
NT2 samarium iodides
NT2 scandium iodides
NT2 selenium iodides
NT2 silicon iodides
NT2 silver iodides
NT2 sodium iodides
NT2 strontium iodides
NT2 tantalum iodides
NT2 technetium iodides
NT2 tellurium iodides
NT2 terbium iodides
NT2 thallium iodides
NT2 thorium iodides
NT2 thulium iodides
NT2 tin iodides
NT2 titanium iodides
NT2 tungsten iodides
NT2 uranium iodides
NT2 vanadium iodides
NT2 xenon iodides
NT2 ytterbium iodides
NT2 yttrium iodides
NT2 zinc iodides
NT2 zirconium iodides
NT1 lead halides
NT2 lead bromides
NT2 lead chlorides
NT2 lead fluorides
NT2 lead iodides
NT1 lithium halides
NT2 lithium bromides
NT2 lithium chlorides
NT2 lithium fluorides
NT2 lithium iodides
NT1 manganese halides
NT2 manganese bromides
NT2 manganese chlorides
NT2 manganese fluorides
NT2 manganese iodides
NT1 mercury halides
NT2 mercury bromides
NT2 mercury chlorides
NT2 mercury fluorides
NT2 mercury iodides
NT1 rhenium halides
NT2 rhenium bromides
NT2 rhenium chlorides
NT2 rhenium fluorides
NT2 rhenium iodides
NT1 silicon halides
NT2 silicon bromides
NT2 silicon chlorides
NT2 silicon fluorides
NT2 silicon iodides
NT1 tellurium halides
NT2 tellurium bromides
NT2 tellurium chlorides
NT2 tellurium fluorides
NT2 tellurium iodides
NT1 thallium halides
NT2 thallium bromides
NT2 thallium chlorides
NT2 thallium fluorides
NT2 thallium iodides
NT1 tin halides
NT2 tin bromides
NT2 tin chlorides
NT2 tin fluorides
NT2 tin iodides
NT1 zinc halides
NT2 zinc bromides
NT2 zinc chlorides
NT2 zinc fluorides
NT2 zinc iodides

HALITE

INIS: Feb 1986; ETDE: Sep 1985
*BT1 halide minerals
RT evaporites
RT salt deposits
RT sodium chlorides

HALL EFFECT

RT electric conductors
RT ettinghausen effect
RT nernst effect
RT righi-leduc effect
RT shubnikov-de haas effect

hall generators

Use mhd generators

hallam nuclear power facility

Use hnpf reactor

HALLEY COMET

INIS: Aug 1986; ETDE: Sep 1986
BT1 comets
RT solar system

HALLIMONDITE

INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 uranium minerals
RT arsenic oxides
RT lead oxides
RT uranium oxides

HALLUCINOGENS

*BT1 psychotropic drugs
NT1 bufotenine
RT marihuana

halo states

Use nuclear halos

HALOGEN COMPOUNDS

(For inorganic compounds only; see also ORGANIC HALOGEN COMPOUNDS.)
NT1 astatine compounds
NT2 astatine chlorides
NT1 bromine compounds
NT2 bromates
NT2 bromic acid
NT2 bromides
NT3 aluminium bromides
NT3 antimony bromides
NT3 arsenic bromides
NT3 barium bromides

NT3 antimony fluorides
NT3 argon fluorides
NT3 arsenic fluorides
NT3 barium fluorides
NT3 berkelium fluorides
NT3 beryllium fluorides
NT3 bismuth fluorides
NT3 boron fluorides
NT3 bromine fluorides
NT3 cadmium fluorides
NT3 calcium fluorides
NT3 californium fluorides
NT3 carbon fluorides
NT3 cerium fluorides
NT3 cesium fluorides
NT3 chlorine fluorides
NT3 chromium fluorides
NT3 cobalt fluorides
NT3 copper fluorides
NT3 curium fluorides
NT3 dysprosium fluorides
NT3 erbium fluorides
NT3 europium fluorides
NT3 gadolinium fluorides
NT3 gallium fluorides
NT3 germanium fluorides
NT3 gold fluorides
NT3 hafnium fluorides
NT3 holmium fluorides
NT3 indium fluorides
NT3 iodine fluorides
NT3 iridium fluorides
NT3 iron fluorides
NT3 krypton fluorides
NT3 lanthanum fluorides
NT3 lead fluorides
NT3 lithium fluorides
NT3 lutetium fluorides
NT3 magnesium fluorides
NT3 manganese fluorides
NT3 mercury fluorides
NT3 molybdenum fluorides
NT3 neodymium fluorides
NT3 neon fluorides
NT3 neptunium fluorides
NT3 nickel fluorides
NT3 niobium fluorides
NT3 nitrogen fluorides
NT3 osmium fluorides
NT3 palladium fluorides
NT3 phosphorus fluorides
NT3 platinum fluorides
NT3 plutonium fluorides
NT3 potassium fluorides
NT3 praseodymium fluorides
NT3 promethium fluorides
NT3 protactinium fluorides
NT3 radon fluorides
NT3 rhenium fluorides
NT3 rhodium fluorides
NT3 rubidium fluorides
NT3 ruthenium fluorides
NT3 samarium fluorides
NT3 scandium fluorides
NT3 selenium fluorides
NT3 silicon fluorides
NT3 silver fluorides
NT3 sodium fluorides
NT3 strontium fluorides
NT3 sulfur fluorides
NT3 tantalum fluorides
NT3 technetium fluorides
NT3 tellurium fluorides
NT3 terbium fluorides
NT3 thallium fluorides
NT3 thorium fluorides
NT3 thulium fluorides
NT3 tin fluorides
NT3 titanium fluorides
NT3 tungsten fluorides
NT3 uranium fluorides
NT4 uranium hexafluoride
NT4 uranium pentafluoride
NT4 uranium tetrafluoride
NT3 uranyl fluorides
NT3 vanadium fluorides
NT3 xenon fluorides
NT3 ytterbium fluorides
NT3 yttrium fluorides
NT3 zinc fluorides
NT3 zirconium fluorides
NT2 fluorine oxides
NT2 fluoroborates
NT2 fluoroboric acid
NT2 hydrofluoric acid
NT2 hypofluorous acid
NT2 oxyfluorides
NT1 halides
NT2 ammonium halides
NT3 ammonium chlorides
NT3 ammonium fluorides
NT2 bromides
NT3 aluminium bromides
NT3 antimony bromides
NT3 arsenic bromides
NT3 barium bromides
NT3 beryllium bromides
NT3 bismuth bromides
NT3 boron bromides
NT3 cadmium bromides
NT3 calcium bromides
NT3 californium bromides
NT3 cerium bromides
NT3 cesium bromides
NT3 chromium bromides
NT3 cobalt bromides
NT3 copper bromides
NT3 dysprosium bromides
NT3 einsteinium bromides
NT3 erbium bromides
NT3 europium bromides
NT3 fermium bromides
NT3 gadolinium bromides
NT3 gallium bromides
NT3 germanium bromides
NT3 gold bromides
NT3 hafnium bromides
NT3 holmium bromides
NT3 indium bromides
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NT3 iron bromides
NT3 krypton bromides
NT3 lanthanum bromides
NT3 lead bromides
NT3 lithium bromides
NT3 lutetium bromides
NT3 magnesium bromides
NT3 manganese bromides
NT3 mercury bromides
NT3 molybdenum bromides
NT3 neodymium bromides
NT3 neptunium bromides
NT3 nickel bromides
NT3 niobium bromides
NT3 nitrogen bromides
NT3 palladium bromides
NT3 phosphorus bromides
NT3 platinum bromides
NT3 polonium bromides
NT3 potassium bromides
NT3 praseodymium bromides
NT3 protactinium bromides
NT3 radium bromides
NT3 rhenium bromides
NT3 rhodium bromides
NT3 rubidium bromides
NT3 ruthenium bromides
NT3 samarium bromides
NT3 scandium bromides
NT3 selenium bromides
NT3 silicon bromides
NT3 silver bromides
NT3 sodium bromides
NT3 strontium bromides
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NT3 tellurium bromides
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NT3 thorium bromides
NT3 thulium bromides
NT3 tin bromides
NT3 titanium bromides
NT3 tungsten bromides
NT3 uranium bromides
NT3 vanadium bromides
NT3 xenon bromides
NT3 ytterbium bromides
NT3 yttrium bromides
NT3 zinc bromides
NT3 zirconium bromides
NT2 cadmium halides
NT3 cadmium bromides
NT3 cadmium chlorides
NT3 cadmium fluorides
NT3 cadmium iodides
NT2 calcium halides
NT3 calcium bromides
NT3 calcium chlorides
NT3 calcium fluorides
NT3 calcium iodides
NT2 chlorides
NT3 aluminium chlorides
NT3 americium chlorides
NT3 ammonium chlorides
NT3 antimony chlorides
NT3 argon chlorides
NT3 arsenic chlorides
NT3 astatine chlorides
NT3 barium chlorides
NT3 berkelium chlorides
NT3 beryllium chlorides
NT3 bismuth chlorides
NT3 boron chlorides
NT3 bromine chlorides
NT3 cadmium chlorides
NT3 calcium chlorides
NT3 californium chlorides
NT3 cerium chlorides
NT3 cesium chlorides
NT3 chromium chlorides
NT3 cobalt chlorides
NT3 copper chlorides
NT3 curium chlorides
NT3 dysprosium chlorides
NT3 einsteinium chlorides
NT3 element 104 chlorides
NT3 erbium chlorides
NT3 europium chlorides
NT3 gadolinium chlorides
NT3 gallium chlorides
NT3 germanium chlorides
NT3 gold chlorides
NT3 hafnium chlorides
NT3 helium chlorides
NT3 holmium chlorides
NT3 indium chlorides
NT3 iodine chlorides
NT3 iridium chlorides
NT3 iron chlorides
NT3 krypton chlorides
NT3 lanthanum chlorides
NT3 lead chlorides
NT3 lithium chlorides
NT3 lutetium chlorides
NT3 magnesium chlorides
NT3 manganese chlorides

NT3 mercury chlorides
NT3 methylene blue
NT3 molybdenum chlorides
NT3 neodymium chlorides
NT3 neon chlorides
NT3 neptunium chlorides
NT3 nickel chlorides
NT3 niobium chlorides
NT3 nitrogen chlorides
NT3 osmium chlorides
NT3 palladium chlorides
NT3 phosphorus chlorides
NT3 platinum chlorides
NT3 plutonium chlorides
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NT3 promethium chlorides
NT3 protactinium chlorides
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NT3 rhenium chlorides
NT3 rhodium chlorides
NT3 rubidium chlorides
NT3 ruthenium chlorides
NT3 samarium chlorides
NT3 scandium chlorides
NT3 selenium chlorides
NT3 silicon chlorides
NT3 silver chlorides
NT3 sodium chlorides
NT3 strontium chlorides
NT3 sulfur chlorides
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NT3 tellurium chlorides
NT3 terbium chlorides
NT3 tetrazolium
NT3 thallium chlorides
NT3 thionyl chlorides
NT3 thorium chlorides
NT3 thulium chlorides
NT3 tin chlorides
NT3 titanium chlorides
NT3 tungsten chlorides
NT3 uranium chlorides
NT3 uranyl chlorides
NT3 vanadium chlorides
NT3 xenon chlorides
NT3 ytterbium chlorides
NT3 yttrium chlorides
NT3 zinc chlorides
NT3 zirconium chlorides
NT2 copper halides
NT3 copper bromides
NT3 copper chlorides
NT3 copper fluorides
NT3 copper iodides
NT2 fluorides
NT3 aluminium fluorides
NT3 americium fluorides
NT3 ammonium fluorides
NT3 antimony fluorides
NT3 argon fluorides
NT3 arsenic fluorides
NT3 barium fluorides
NT3 berkelium fluorides
NT3 beryllium fluorides
NT3 bismuth fluorides
NT3 boron fluorides
NT3 bromine fluorides
NT3 cadmium fluorides
NT3 calcium fluorides
NT3 californium fluorides
NT3 carbon fluorides
NT3 cerium fluorides
NT3 cesium fluorides
NT3 chlorine fluorides
NT3 chromium fluorides
NT3 cobalt fluorides
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NT3 tungsten fluorides
NT3 uranium fluorides
NT4 uranium hexafluoride
NT4 uranium pentafluoride
NT4 uranium tetrafluoride
NT3 uranyl fluorides
NT3 vanadium fluorides
NT3 xenon fluorides
NT3 ytterbium fluorides
NT3 yttrium fluorides
NT3 zinc fluorides
NT3 zirconium fluorides
NT2 gallium halides
NT3 gallium bromides
NT3 gallium chlorides
NT3 gallium fluorides
NT3 gallium iodides
NT2 iodides
NT3 aluminium iodides
NT3 antimony iodides
NT3 argon iodides
NT3 arsenic iodides
NT3 barium iodides
NT3 bismuth iodides
NT3 boron iodides
NT3 cadmium iodides
NT3 calcium iodides
NT3 cerium iodides
NT3 cesium iodides
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NT3 vanadium iodides
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NT3 yttrium iodides
NT3 zinc iodides
NT3 zirconium iodides
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NT3 lead bromides
NT3 lead chlorides
NT3 lead fluorides
NT3 lead iodides
NT2 lithium halides
NT3 lithium bromides
NT3 lithium chlorides

NT3 lithium fluorides
NT3 lithium iodides
NT2 manganese halides
NT3 manganese bromides
NT3 manganese chlorides
NT3 manganese fluorides
NT3 manganese iodides
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NT3 mercury bromides
NT3 mercury chlorides
NT3 mercury fluorides
NT3 mercury iodides
NT2 rhenium halides
NT3 rhenium bromides
NT3 rhenium chlorides
NT3 rhenium fluorides
NT3 rhenium iodides
NT2 silicon halides
NT3 silicon bromides
NT3 silicon chlorides
NT3 silicon fluorides
NT3 silicon iodides
NT2 tellurium halides
NT3 tellurium bromides
NT3 tellurium chlorides
NT3 tellurium fluorides
NT3 tellurium iodides
NT2 thallium halides
NT3 thallium bromides
NT3 thallium chlorides
NT3 thallium fluorides
NT3 thallium iodides
NT2 tin halides
NT3 tin bromides
NT3 tin chlorides
NT3 tin fluorides
NT3 tin iodides
NT2 zinc halides
NT3 zinc bromides
NT3 zinc chlorides
NT3 zinc fluorides
NT3 zinc iodides
NT1 iodine compounds
NT2 hydriodic acid
NT2 hypoiodous acid
NT2 iodates
NT2 iodic acid
NT2 iodides
NT3 aluminium iodides
NT3 antimony iodides
NT3 argon iodides
NT3 arsenic iodides
NT3 barium iodides
NT3 bismuth iodides
NT3 boron iodides
NT3 cadmium iodides
NT3 calcium iodides
NT3 cerium iodides
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NT3 cobalt iodides
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NT3 gadolinium iodides
NT3 gallium iodides
NT3 germanium iodides
NT3 gold iodides
NT3 hafnium iodides
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NT3 iron iodides
NT3 lanthanum iodides
NT3 lead iodides
NT3 lithium iodides
NT3 lutetium iodides
NT3 magnesium iodides
NT3 manganese iodides
NT3 mercury iodides
NT3 molybdenum iodides
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NT3 nickel iodides
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NT3 nitrogen iodides
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NT3 phosphorus iodides
NT3 platinum iodides
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NT3 scandium iodides
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NT3 silicon iodides
NT3 silver iodides
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NT3 strontium iodides
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NT3 thorium iodides
NT3 thulium iodides
NT3 tin iodides
NT3 titanium iodides
NT3 tungsten iodides
NT3 uranium iodides
NT3 vanadium iodides
NT3 xenon iodides
NT3 ytterbium iodides
NT3 yttrium iodides
NT3 zinc iodides
NT3 zirconium iodides
NT2 iodine bromides
NT2 iodine chlorides
NT2 iodine fluorides
NT2 iodine oxides
NT2 oxyiodides
NT2 periodates
NT2 periodic acid
NT1 oxyhalides
NT2 oxybromides
NT2 oxychlorides
NT2 oxyfluorides
NT2 oxyiodides
RT organic halogen compounds

HALOGENATED ALICYCLIC HYDROCARBONS

INIS: Apr 2000; ETDE: Feb 1975
UF+ *brominated alicyclic hydrocarbons*
*BT1 organic halogen compounds
NT1 chlorinated alicyclic hydrocarbons
NT2 lindane
NT1 fluorinated alicyclic hydrocarbons
NT1 iodinated alicyclic hydrocarbons

HALOGENATED ALIPHATIC HYDROCARBONS

(Prior to October 1991, this concept was indexed by ORGANIC HALOGEN COMPOUNDS.)
*BT1 organic halogen compounds
NT1 brominated aliphatic hydrocarbons
NT2 bromoform
NT2 methyl bromide
NT1 chlorinated aliphatic hydrocarbons
NT2 carbon tetrachloride
NT2 chloroform
NT2 methyl chloride
NT2 pvc
NT2 vinyl chloride
NT1 fluorinated aliphatic hydrocarbons
NT2 carbon tetrafluoride
NT2 fluoroform
NT2 methyl fluoride
NT2 polytetrafluoroethylene
NT3 teflon
NT2 tedlar
NT1 freons
NT1 iodinated aliphatic hydrocarbons
NT2 iodoform
NT2 methyl iodide
RT refrigerants

HALOGENATED AROMATIC HYDROCARBONS

(Prior to October 1991, this concept was indexed by AROMATICS and ORGANIC HALOGEN COMPOUNDS.)
*BT1 aromatics
*BT1 organic halogen compounds
NT1 brominated aromatic hydrocarbons
NT1 chlorinated aromatic hydrocarbons
NT2 aldrin
NT2 polychlorinated biphenyls
NT1 fluorinated aromatic hydrocarbons
NT1 iodinated aromatic hydrocarbons

halogenated hydrocarbons

Use organic halogen compounds

HALOGENATION

BT1 chemical reactions
NT1 astatination
NT1 bromination
NT1 chlorination
NT2 sulfochlorination
NT1 fluorination
NT1 iodination

HALOGENS

*BT1 nonmetals
NT1 astatine
NT1 bromine
NT1 chlorine
NT1 fluorine
NT1 iodine

halpern-strutinski theory

See angular distribution

HALTHANE

INIS: Apr 2000; ETDE: Feb 1979
*BT1 polyurethanes

ham

Use meat

HAMADA-JOHNSTON POTENTIAL

*BT1 nucleon-nucleon potential
RT nuclear models
RT nuclear potential

HAMAOKA-1 REACTOR

(Hamaoka, Shizuoka, Japan)
UF *chubu-1 reactor*
*BT1 bwr type reactors

HAMAOKA-2 REACTOR

(Hamaoka, Shizuoka, Japan)
UF *chubu-2 reactor*
*BT1 bwr type reactors

HAMAOKA-3 REACTOR

(Hamaoka, Shizuoka, Japan)
UF *chubu-3 reactor*
*BT1 bwr type reactors

HAMAOKA-4 REACTOR
INIS: Nov 1992; ETDE: Nov 1992
(Hamaoka, Shizuoka, Japan)
UF *chubu-4 reactor*
*BT1 bwr type reactors

HAMAOKA-5 REACTOR
INIS: Jan 2000; ETDE: Nov 1999
(Hamaoka, Shizuoka, Japan)
UF *chubu-5 reactor*
*BT1 bwr type reactors

hamburg synchrotron
Use desy

HAMILTON-JACOBI EQUATIONS
*BT1 partial differential equations
RT equations of motion
RT hamiltonian function
RT mechanics

hamilton operators
Use hamiltonians

HAMILTONIAN FUNCTION
BT1 functions
RT classical mechanics
RT equations of motion
RT hamilton-jacobi equations
RT hamiltonians
RT limit cycle

HAMILTONIANS
UF *energy operators*
UF *hamilton operators*
*BT1 quantum operators
RT detailed balance principle
RT hamiltonian function
RT sudden approximation

HAMM-UENTROP REACTOR
INIS: Feb 1976; ETDE: Apr 1976
*BT1 pwr type reactors

HAMSTERS
UF *chinese hamster*
UF *cricetulus*
UF *mesocricetus*
UF *syrian hamster*
*BT1 rodents

HANARO REACTOR
INIS: Jul 1991; ETDE: Aug 1999
(High-flux Advanced Neutron Application Reactor, KAERI, Republic of Korea. From July 1991 to January 1999, this reactor was called KMR REACTOR.)
UF *kmr reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 materials testing reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 test reactors

handbooks
Use manuals

handcar event
Use nuclear explosions
AND underground explosions

HANDICAPPED PEOPLE
INIS: Apr 2000; ETDE: Jan 1980
(Physically or mentally disadvantaged people.)
*BT1 minority groups
RT elderly people
RT low income groups
RT sociology

handley event
Use nuclear explosions
AND underground explosions

handling (data)
Use data processing

handling (materials)
Use materials handling

handling (wastes)
Use waste management

handling licenses
Use licenses

HANDS
*BT1 arms
NT1 fingers
RT gloves
RT manipulators

HANFORD-2 REACTOR
(Name changed to Washington Public Power Supply System Nuclear Project Number 2, and current items are indexed to the abbreviated form WNP-2 REACTOR.)
*BT1 wnp-2 reactor

hanford 305 test reactor
Use hew-305 reactor

hanford atomic products operation
Use hapo

HANFORD ENGINEERING DEVELOPMENT LABORATORY
INIS: Dec 1985; ETDE: Jan 1980
UF *hedl*
*BT1 us doe
RT fftf reactor
RT hanford reservation
RT hapo
RT washington

hanford neutron radiography facility
Use triga-1-hanford reactor

HANFORD PRODUCTION REACTORS
*BT1 plutonium production reactors

HANFORD RESERVATION
INIS: Oct 1976; ETDE: Jul 1976
*BT1 us doe
*BT1 us erda
RT battelle pacific northwest laboratories
RT hanford engineering development laboratory
RT hapo
RT neutron source facilities
RT pasco basin
RT washington

hankel functions
Use bessel functions

HANKEL TRANSFORM
*BT1 integral transformations

hannover triga-mk-1 reactor
Use triga-1-hanover reactor

HAPLOIDY
BT1 ploidy
RT gametes

HAPO
UF *hanford atomic products operation*
*BT1 us aec
*BT1 us doe
*BT1 us erda
RT battelle pacific northwest laboratories
RT hanford engineering development laboratory
RT hanford reservation
RT sequim bay

HAPTOGLOBINS
*BT1 globulins-alpha
*BT1 mucoproteins

HARANG DISCONTINUITY
UF *midnight discontinuity*
BT1 auroral oval
RT aurorae
RT ionosphere

HARBORS
UF *ports*
RT inland waterways
RT marinas
RT moorings
RT seas

hard coal
Use anthracite

HARD COLLISION MODELS
INIS: Jul 1978; ETDE: Apr 1978
(Models which reduce the origin of high energy systems to a binary collision of the projectiles or some subunits thereof.)
*BT1 particle models

HARD COMPONENT
*BT1 cosmic radiation

HARD CORE PINCH
BT1 pinch effect
RT linear hard core pinch devices

HARD-CORE POTENTIAL
*BT1 nuclear potential
RT jastrow theory
RT nucleons

HARD FACING
INIS: Jul 2000; ETDE: Jul 1978
UF *hard surfacing*
UF *surfacing, hard*
RT cladding
RT surface coating

hard metals
Use cermets

hard soldering
Use brazing

HARD-SPHERE MODEL
RT gases

hard surfacing
Use hard facing

HARD X RADIATION
*BT1 x radiation

HARDENING
NT1 age hardening
NT1 dispersion hardening
NT1 precipitation hardening
NT1 quench hardening
NT1 radiation hardening
NT1 strain hardening
NT1 surface hardening
NT2 carburization
RT cold working
RT hardness
RT heat treatments

hardening (spectral)
Use spectral hardening

hardhat event
Use plowshare project

HARDNESS
BT1 mechanical properties
NT1 microhardness
RT brinell hardness
RT hardening
RT knoop hardness
RT rockwell hardness
RT vickers hardness

HARDTACK PROJECT
UF *project hardtack*
*BT1 nuclear explosions
RT eniwetok

HARMONIC GENERATION
INIS: Sep 1986; ETDE: Jan 1986
UF *second-harmonic generation*
UF *third-harmonic generation*
BT1 frequency mixing
RT electromagnetic radiation
RT nonlinear optics
RT nonlinear problems
RT sound waves

HARMONIC OSCILLATOR MODELS
BT1 mathematical models
RT atomic models
RT harmonic oscillators
RT nuclear models
RT particle models

HARMONIC OSCILLATORS
RT anharmonic oscillators
RT equations of motion
RT harmonic oscillator models
RT mathematics
RT mechanics

HARMONIC POTENTIAL
*BT1 nuclear potential

harmonica devices
Use thermonuclear devices

HARMONICS
(Eigenfrequency oscillations excited in a vibrating system.)
BT1 oscillations
NT1 cyclotron harmonics
RT lattice vibrations
RT mechanical vibrations
RT nonlinear problems
RT oscillation modes
RT plasma waves
RT resonance

HARMONIE REACTOR
(CEA/CEN, Cadarache, St. Paul Lez Durance, France)
*BT1 air cooled reactors
*BT1 enriched uranium reactors
*BT1 fast reactors
*BT1 research reactors
*BT1 test reactors

HARRIS-1 REACTOR
UF *shearon harris-1 reactor*
*BT1 pwr type reactors

HARRIS-2 REACTOR
UF *shearon harris-2 reactor*
*BT1 pwr type reactors

HARRIS-3 REACTOR
UF *shearon harris-3 reactor*
*BT1 pwr type reactors

HARRIS-4 REACTOR
UF *shearon harris-4 reactor*
*BT1 pwr type reactors

harry event
Use atmospheric explosions
AND nuclear explosions

HARTLEPOOL REACTOR
(Hartlepool, Durham, UK)
*BT1 agr type reactors
*BT1 carbon dioxide cooled reactors
*BT1 power reactors
*BT1 thermal reactors

HARTMANN NUMBER
RT fluid flow
RT magnetohydrodynamics

hartree approximation
Use hartree-fock method

HARTREE-FOCK-BOGOLYUBOV THEORY
INIS: Feb 1976; ETDE: Feb 1975
(The Hartree-Fock approach as applied to self-consistent fields in nuclei.)
RT bogolyubov transformation
RT boson expansion
RT hartree-fock method
RT nuclear models
RT nuclear structure
RT self-consistent field

HARTREE-FOCK METHOD
UF *fock method*
UF *fock self-consistent field*
UF *hartree approximation*
BT1 calculation methods
RT atomic models
RT electronic structure
RT hartree-fock-bogolyubov theory
RT nuclear models
RT nuclear structure
RT self-consistent field

HARTSVILLE-1 REACTOR
(Hartsville, Tennessee, USA)
*BT1 bwr type reactors
RT ge standard reactor

HARTSVILLE-2 REACTOR
(Hartsville, Tennessee, USA)
*BT1 bwr type reactors
RT ge standard reactor

HARTSVILLE-3 REACTOR
(Hartsville, Tennessee, USA)
*BT1 bwr type reactors
RT ge standard reactor

HARTSVILLE-4 REACTOR
(Hartsville, Tennessee, USA)
*BT1 bwr type reactors
RT ge standard reactor

HARVARD SYNCHROCYCLOTRON
*BT1 synchrocyclotrons

HARVEST PROCESS
INIS: Apr 2000; ETDE: Jan 1977
(Developed by UKAEA and British Nuclear Fuels Ltd.; fission products are reduced to solid oxides, fused into a glass, then stored in metal flasks under water.)
*BT1 radioactive waste processing
RT fuel cycle
RT nuclear materials management
RT radioactive waste storage
RT solidification
RT vitrification

HARVESTING
INIS: Mar 1992; ETDE: Sep 1976
RT agriculture
RT biomass
RT crops
RT horticulture
RT silviculture
RT wood

HARVESTING EQUIPMENT
INIS: Mar 1999; ETDE: Oct 1979
BT1 equipment
RT farm equipment
RT forestry
RT wood products industry

harwell pluto reactor
Use pluto reactor

HARWELL SYNCHROCYCLOTRON
*BT1 synchrocyclotrons

harwell synchrotron
Use nimrod

HASTELLOY B
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-ni65mo28fe5

HASTELLOY C
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-ni54mo17cr16fe6w4

hastelloy c-276
Use hastelloys

hastelloy c-4
Use hastelloys

hastelloy f
Use hastelloys

HASTELLOY N
*BT1 alloy-ni70mo17cr7fe5

HASTELLOY S
INIS: Nov 1983; ETDE: Aug 1979
*BT1 alloy-ni62cr16mo15fe3

HASTELLOY X
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-ni49cr22fe18mo9

HASTELLOY XR
INIS: Nov 1983; ETDE: Feb 1982
*BT1 alloy-ni50cr22fe18mo9

HASTELLOYS
UF *hastelloy c-276*
UF *hastelloy c-4*
UF *hastelloy f*
*BT1 nickel base alloys
NT1 alloy-ni49cr22fe18mo9
NT2 hastelloy x
NT1 alloy-ni50cr22fe18mo9
NT2 hastelloy xr
NT1 alloy-ni54mo17cr16fe6w4
NT2 hastelloy c
NT1 alloy-ni62cr16mo15fe3
NT2 hastelloy s
NT1 alloy-ni65mo28fe5
NT2 hastelloy b
NT1 alloy-ni70mo17cr7fe5
NT2 hastelloy n
NT2 inor-8

RT corrosion resistant alloys

HATCH-1 REACTOR
(Baxley, Georgia, USA)
UF *edwin i. hatch-1 reactor*
*BT1 bwr type reactors

HATCH-2 REACTOR
UF *edwin i. hatch-2 reactor*
*BT1 bwr type reactors

hatchettolite
Use oxide minerals
AND uranium minerals

HATCHING
INIS: Sep 1992; ETDE: Oct 1975
RT eggs

HATCHOBARU GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Jan 1977
BT1 geothermal fields
RT japan

HAULAGE EQUIPMENT
INIS: Apr 2000; ETDE: Apr 1981
*BT1 materials handling equipment
NT1 conveyors
NT2 belt conveyors
NT2 chain conveyors
NT1 loaders
NT2 cutter loaders
NT3 coal plows
NT3 continuous miners
NT3 heading machines
NT3 shearer loaders
NT1 mine cars
RT materials handling
RT mine haulage
RT mining equipment

HAUSDORFF SPACE
*BT1 mathematical space

HAUSER-FESHBACH THEORY
BT1 nuclear theory
RT compound nuclei
RT inelastic scattering
RT nuclear reactions

HAVAR
INIS: Nov 1983; ETDE: Apr 1975
*BT1 alloy-co43cr20fe18ni13w3

HAVEN-1 REACTOR
INIS: Aug 1978; ETDE: Jun 1978
(Standardized plant of the Wisconsin Utilities Project. Prior to July 1978 known as KOSHKONONG-1 REACTOR, and older material is so indexed.)
UF *wup-1 reactor*
*BT1 pwr type reactors
NT1 koshkonong-1 reactor

HAVEN-2 REACTOR
INIS: Aug 1978; ETDE: Jun 1978
(Standardized plant of the Wisconsin Utilities Project. Prior to July 1978 known as KOSHKONONG-2 REACTOR, and older material is so indexed.)
UF *wup-2 reactor*
*BT1 pwr type reactors
NT1 koshkonong-2 reactor

HAWAII
BT1 islands
*BT1 usa
RT kilauea volcano
RT pacific ocean

HAYNES 188 ALLOY
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-co36cr22ni22w15fe3

HAYNES 25 ALLOY
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-co54cr20w15ni10

HAYNES ALLOYS
UF+ *alloy-co62cr28mo6ni3*
UF+ *alloy-hs-21*
UF+ *haynes stellite no 21*
*BT1 cobalt base alloys
NT1 alloy-co36cr22ni22w15fe3
NT2 haynes 188 alloy
NT1 alloy-co54cr20w15ni10
NT2 alloy-hs-25
NT2 haynes 25 alloy
NT1 alloy-co60cr30w4
NT2 stellite 6

haynes stellite 6b
Use alloy-co60cr30w4

haynes stellite no 21
Use haynes alloys
AND stellite

haywood model
Use neutron transport theory

haz
Use heat affected zone

HAZARDOUS MATERIALS
INIS: Aug 1981; ETDE: Jan 1977
(Not for RADIOACTIVE MATERIALS.)
UF *poisons (chemical)*
BT1 materials
NT1 toxic materials
NT2 toxins
NT3 endotoxins
NT3 mycotoxins
NT4 aflatoxins
RT chemical wastes
RT detoxification
RT environmental exposure
RT lethal doses
RT nonradioactive wastes
RT toxic substances control acts
RT toxicity
RT us superfund
RT waste management
RT wastes

HAZARDOUS MATERIALS SPILLS
INIS: Apr 1984; ETDE: Jan 1980
(Prior to October 1991, this concept was indexed by HAZARDOUS MATERIALS and ACCIDENTS.)
UF *gasoline spills*
BT1 accidents
RT chemical spills
RT gas spills
RT oil spills
RT pollution

HAZARDS
UF *risks*
UF+ *global risk*
NT1 fire hazards
NT1 health hazards
NT2 radiation hazards
RT accidents
RT damage
RT ethical aspects
RT excursions
RT failures
RT fires
RT human factors engineering
RT insurance
RT liabilities
RT pressure release
RT public relations
RT reliability
RT risk assessment
RT rock bursts
RT sabotage
RT safety
RT safety engineering
RT safety showers
RT workmens compensation

hazen process
Use desulfurization

hb robinson-2
Use robinson-2 reactor

hbt-ep
Use columbia high-beta tokamak

HBTX DEVICES
INIS: Nov 1985; ETDE: Apr 1975
*BT1 reversed-field pinch devices
RT reverse-field pinch
RT united kingdom

HBWR REACTOR
UF *halden heavy boiling water reactor*
*BT1 bhwr type reactors
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 power reactors
*BT1 tank type reactors
*BT1 thermal reactors

hcda
Use reactor core disruption

HCG
UF *human chorionic gonadotropin*
*BT1 gonadotropins
RT gonads

HCLWR TYPE REACTORS
INIS: Nov 1988; ETDE: Dec 1988
(High conversion light water reactors.)
*BT1 plutonium reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

HCP LATTICES
UF *hexagonal close packed*
*BT1 hexagonal lattices

hd-556
Use iron base alloys

hd 8077
Use nickel base alloys

HDEHP
UF *bis(2-ethylhexyl)phosphoric acid*
UF *di-2-ethylhexylphosphoric acid*
SF *dehpa*
*BT1 phosphoric acid esters

hdo
Use heavy water

HDR REACTOR
UF *grosswelzheim hdr reactor*
UF *heissdampfreaktoranlage*
UF *kahl-main reactor*
*BT1 bwr type reactors
*BT1 experimental reactors

HE-3 COUNTERS
*BT1 neutron detectors
*BT1 proportional counters

he method
Use heat exchanger method

HEAD
BT1 body
NT1 face
NT2 eyes
NT3 conjunctiva
NT3 cornea
NT3 crystalline lens
NT3 lacrimal ducts
NT3 retina
NT3 uvea
NT2 nose
RT brain
RT carotid arteries
RT oral cavity
RT sense organs
RT skull

HEAD END PROCESSES
NT1 decladding
NT2 chemical decladding
NT2 mechanical decladding
NT1 voloxidation process
RT reprocessing

HEADING MACHINES
INIS: Apr 2000; ETDE: Jun 1978
*BT1 cutter loaders
RT coal mines
RT mining

HEALING
BT1 biological recovery
RT cell division
RT wounds

health (public)
Use public health

HEALTH HAZARDS
BT1 hazards
NT1 radiation hazards
RT drug abuse
RT first aid
RT injuries
RT maximum credible accident
RT occupational safety
RT preventive medicine
RT public health
RT quarantine
RT radiation protection
RT radicidation
RT safety
RT us occupational safety and health act

health insurance
Use insurance

health physics
Use radiation protection

health physics research reactor
Use hprr reactor

HEALTH SERVICES
INIS: Apr 1981; ETDE: Oct 1978
BT1 social services
RT hospitals
RT human populations
RT medical establishments
RT social impact
RT socio-economic factors

HEARINGS
UF *congressional hearings*
BT1 document types
RT administrative procedures
RT arbitration
RT courts
RT dispute settlements
RT laws
RT lawsuits
RT legislation
RT licensing procedures
RT meetings

HEART
BT1 cardiovascular system
*BT1 organs
NT1 myocardium
NT1 pericardium
RT aorta
RT blood circulation
RT cardiac pacemakers
RT cardiography
RT cardiotonics
RT cardiovascular agents
RT chest
RT coronaries
RT electrocardiograms
RT mechanical heart
RT mediastinum

heart disease
Use cardiovascular diseases

HEART FAILURE
INIS: Aug 1981; ETDE: Jul 1976
BT1 symptoms
RT biological shock
RT biological stress
RT cardiovascular diseases
RT coronaries

HEAT
INIS: Mar 1992; ETDE: Apr 1975
BT1 energy
NT1 absorption heat
NT1 combustion heat
NT1 process heat
NT2 geothermal process heat
NT2 solar process heat
NT1 waste heat
RT air heaters
RT energy recovery
RT heat recovery
RT heat transfer
RT heaters
RT heating
RT heating load

heat (process)
Use process heat

HEAT AFFECTED ZONE
UF *haz*
BT1 zones
RT welding

heat capacity
Use specific heat

heat dissipation
See cooling
OR energy losses
OR heat transfer
OR thermal diffusivity
OR thermal effluents

HEAT DISTRIBUTION SYSTEMS
INIS: Jul 1992; ETDE: May 1976
UF *underground heat distribution systems*
BT1 energy systems
RT district heating

heat effects
Use temperature dependence

HEAT ENGINES
INIS: Feb 1993; ETDE: Sep 1975
(A machine that converts heat into work (mechanical energy).)
BT1 engines
NT1 internal combustion engines
NT2 diesel engines
NT2 dual-fuel engines
NT2 gas turbine engines
NT2 ramjet engines
NT2 rotary engines
NT3 wankel engines
NT2 spark ignition engines
NT3 wankel engines
NT2 stratified charge engines
NT2 turbofan engines
NT2 turbojet engines
NT1 nitinol heat engines
NT1 rankine cycle engines
NT1 rocket engines
NT1 solar heat engines
NT1 stirling engines
RT solar-assisted power systems
RT thermodynamic cycles

HEAT EXCHANGER METHOD
INIS: Apr 2000; ETDE: Feb 1980
(Crystal growth method which utilizes directional solidification from the melt where the temperature gradient in the solid is controlled by a heat exchanger.)
UF *he method*
UF *schmid-vicchnicki technique*
BT1 crystal growth methods
RT crystal growth
RT monocrystals

HEAT EXCHANGERS
UF *coolers*
UF+ *fluidized bed heat exchangers*
SF *condensers*
NT1 direct contact heat exchangers
NT1 in-vessel heat exchangers
NT1 radiators
RT cooling
RT cooling towers
RT evaporators
RT heat pumps
RT heat recovery equipment
RT heat transfer
RT heating
RT isolation condensers
RT reactor components
RT reactor cooling systems
RT regenerators
RT steam condensers
RT steam generators
RT working fluids

HEAT EXTRACTION
INIS: Mar 1986; ETDE: Aug 1975
UF *extraction (heat)*
RT cooling
RT cooling time
RT heat recovery
RT heat recovery equipment
RT heat transfer

heat flow
Use heat flux

HEAT FLUX
INIS: Mar 1977; ETDE: Apr 1977
UF *heat flow*
NT1 critical heat flux
RT burnout
RT dryout
RT heat transfer

HEAT GAIN
INIS: Apr 2000; ETDE: Feb 1979
- *BT1 heat transfer
- *RT* cooling load
- *RT* direct gain systems
- *RT* heating load
- *RT* solar fraction

HEAT LOSSES
INIS: Feb 1976; ETDE: Aug 1975
- *BT1 energy losses
- *BT1 heat transfer
- *RT* dissipation factor
- *RT* heat recovery equipment
- *RT* infrared thermography

HEAT METERS
INIS: Apr 2000; ETDE: Oct 1981
(Devices to measure the energy flow into or out of a working fluid passing through a thermal system.)
- UF *btu meters*
- *BT1 meters

HEAT MIRRORS
INIS: Apr 2000; ETDE: Feb 1979
(Thin, transparent optical films which are reflective to long-wave infrared radiation.)
- BT1 mirrors
- *RT* coatings
- *RT* films
- *RT* glazing materials
- *RT* reflective coatings
- *RT* solar control films
- *RT* thermal insulation
- *RT* windows

heat of absorption
Use absorption heat

heat of adsorption
Use adsorption heat

heat of combustion
Use combustion heat

heat of dissociation
Use dissociation heat

heat of formation
Use formation heat

heat of fusion
Use fusion heat

heat of mixing
Use mixing heat

heat of reaction
Use reaction heat

heat of solution
Use solution heat

heat of sublimation
Use sublimation heat

heat of transition
Use transition heat

heat of vaporization
Use vaporization heat

heat of wetting
Use wetting heat

HEAT PIPE WICKS
INIS: Jul 1992; ETDE: Jul 1976
- *RT* capillary flow
- *RT* heat pipes

HEAT PIPES
(Heat-transfer devices, frequently associated with thermionic converters. Not pipes for transporting hot fluids from place to place.)
- UF *chemical heat pipes*
- *RT* capillary flow
- *RT* heat pipe wicks
- *RT* heat transfer
- *RT* pipes

HEAT PUMPS
INIS: Sep 1979; ETDE: Jan 1975
- **NT1** air source heat pumps
- **NT1** chemical heat pumps
- **NT1** gas heat pumps
- **NT1** ground source heat pumps
- **NT1** solar-assisted heat pumps
- **NT1** water source heat pumps
- *RT* coefficient of performance
- *RT* cooling
- *RT* electric heating
- *RT* heat exchangers
- *RT* heat transfer
- *RT* heating
- *RT* pumps
- *RT* refrigeration
- *RT* working fluids

HEAT RATE
INIS: Jun 1993; ETDE: Jul 1986
(Expression of the conversion efficiency of a power plant;for example Btu per kWhr.)
- BT1 efficiency
- *RT* performance
- *RT* thermal efficiency
- *RT* thermal power plants

HEAT RECOVERY
INIS: Dec 1985; ETDE: Feb 1975
- BT1 energy recovery
- *RT* heat
- *RT* heat extraction
- *RT* heat recovery equipment
- *RT* heat transfer
- *RT* waste heat utilization

HEAT RECOVERY EQUIPMENT
INIS: Feb 1992; ETDE: Jun 1977
- BT1 equipment
- *RT* heat exchangers
- *RT* heat extraction
- *RT* heat losses
- *RT* heat recovery
- *RT* waste heat boilers

HEAT RESISTANT MATERIALS
INIS: Jun 1994; ETDE: Nov 1978
- BT1 materials
- **NT1** heat resisting alloys
  - **NT2** alloy-co36cr22ni22w15fe3
    - **NT3** haynes 188 alloy
  - **NT2** alloy-co54cr20w15ni10
    - **NT3** alloy-hs-25
    - **NT3** haynes 25 alloy
  - **NT2** alloy-co60cr30w4
    - **NT3** stellite 6
  - **NT2** alloy-d-979
  - **NT2** alloy-fe44ni33cr21
    - **NT3** incoloy 800h
  - **NT2** alloy-fe46ni33cr21
    - **NT3** incoloy 800
    - **NT3** incoloy 802
  - **NT2** alloy-mo99
    - **NT3** alloy-tzm
    - **NT3** alloy-zm-2a
  - **NT2** alloy-n-10m
  - **NT2** alloy-n-9m
  - **NT2** alloy-ni41fe40cr16nb3
    - **NT3** inconel 706
  - **NT2** alloy-ni43fe30cr22mo3
    - **NT3** incoloy 825
  - **NT2** alloy-ni43fe33cr16mo3
    - **NT3** nimonic pe16
  - **NT2** alloy-ni46cr23co19ti5al4
    - **NT3** alloy-in-939
  - **NT2** alloy-ni49cr22fe18mo9
    - **NT3** hastelloy x
  - **NT2** alloy-ni50co20cr15al5mo5
    - **NT3** nimonic 105
  - **NT2** alloy-ni50cr22fe18mo9
    - **NT3** hastelloy xr
  - **NT2** alloy-ni50mo32cr15si3
  - **NT2** alloy-ni51cr48
    - **NT3** inconel 671
  - **NT2** alloy-ni53cr19fe19nb5mo3
    - **NT3** inconel 718
  - **NT2** alloy-ni54cr22co13mo9
    - **NT3** inconel 617
  - **NT2** alloy-ni54mo17cr16fe6w4
    - **NT3** hastelloy c
  - **NT2** alloy-ni55cr19co11mo10ti3
    - **NT3** rene 41
  - **NT2** alloy-ni58cr20co14mo4ti3
    - **NT3** waspaloy
  - **NT2** alloy-ni59cr20co17ti2
  - **NT2** alloy-ni59cr30fe9
    - **NT3** inconel 690
  - **NT2** alloy-ni60co15cr10al6ti5mo3
    - **NT3** alloy-in-100
  - **NT2** alloy-ni60fe24cr16
    - **NT3** nichrome
  - **NT2** alloy-ni61cr16co9al3ti3w3
    - **NT3** alloy-in-738
  - **NT2** alloy-ni61cr22mo9nb4fe3
    - **NT3** inconel 625
  - **NT2** alloy-ni62cr16mo15fe3
    - **NT3** hastelloy s
  - **NT2** alloy-ni65cr25mo10
    - **NT3** nimonic 86
  - **NT2** alloy-ni70mo17cr7fe5
    - **NT3** hastelloy n
    - **NT3** inor-8
  - **NT2** alloy-ni73cr15fe7ti3
    - **NT3** inconel x750
  - **NT2** alloy-ni73cr20mn3nb3
    - **NT3** inconel 82
  - **NT2** alloy-ni74cr13al6mo4
    - **NT3** inconel 713c
  - **NT2** alloy-ni75cr12al6mo5
    - **NT3** inconel 713lc
  - **NT2** alloy-ni76cr15fe8
    - **NT3** inconel 600
  - **NT2** alloy-ni76cr20ti2
    - **NT3** nimonic 80a
  - **NT2** alloy-ni77cr20ti2
  - **NT2** alloy-nt25a5
  - **NT2** alloy-ra-333
  - **NT2** alloy-s-590
  - **NT2** alloy-s-816
  - **NT2** alloy-v-36
  - **NT2** alloy-zr97nb3
  - **NT2** alloy-zr98sn-2
    - **NT3** zircaloy 2
  - **NT2** alloy-zr98sn-4
    - **NT3** zircaloy 4
  - **NT2** enduro
  - **NT2** incoloy 901
  - **NT2** rene 80
  - **NT2** rene 95
  - **NT2** steel-cr12
    - **NT3** stainless steel-403
  - **NT2** steel-cr12moniv
  - **NT2** steel-cr12mov
    - **NT3** alloy-ht-9
  - **NT2** steel-cr13
    - **NT3** stainless steel-410
  - **NT2** steel-cr13al
    - **NT3** stainless steel-405
  - **NT2** steel-cr15ni15motib

NT2 steel-cr16
NT3 stainless steel-430
NT2 steel-cr16ni
NT2 steel-cr16ni13monbv
NT2 steel-cr16ni15mo3nb
NT2 steel-cr16ni16monb
NT2 steel-cr16ni8mo2
NT3 stainless steel-16-8-2
NT2 steel-cr17cu4ni4nb-l
NT3 stainless steel-17-4ph
NT2 steel-cr17mo
NT3 stainless steel-440
NT2 steel-cr17ni12mo3
NT3 stainless steel-316
NT2 steel-cr17ni12mo3-l
NT3 stainless steel-316l
NT3 stainless steel-zcnd17-13
NT2 steel-cr17ni12monb
NT2 steel-cr17ni13
NT2 steel-cr17ni13mo2ti
NT2 steel-cr17ni13mo3ti
NT2 steel-cr17ni4mo3
NT2 steel-cr17ni7
NT3 stainless steel-301
NT2 steel-cr18ni10
NT3 stainless steel-18-10
NT2 steel-cr18ni10-l
NT2 steel-cr18ni10ti
NT3 stainless steel-321
NT2 steel-cr18ni11
NT3 steel-x6crni1811
NT2 steel-cr18ni11nb
NT3 stainless steel-347
NT2 steel-cr18ni11nbco
NT3 stainless steel-348
NT2 steel-cr18ni12
NT3 stainless steel-305
NT2 steel-cr18ni12ti
NT2 steel-cr18ni8
NT3 stainless steel-18-8
NT2 steel-cr18ni9
NT3 stainless steel-302
NT2 steel-cr18ni9ti
NT2 steel-cr19ni10
NT3 stainless steel-304
NT2 steel-cr19ni10-l
NT3 stainless steel-304l
NT2 steel-cr20ni11
NT3 stainless steel-308
NT2 steel-cr20ni11-l
NT3 stainless steel-308l
NT2 steel-cr21mn9ni6
NT3 stainless steel-21-6-9
NT2 steel-cr23ni14
NT3 stainless steel-309
NT3 stainless steel-309s
NT2 steel-cr23ni18
NT2 steel-cr25
NT3 stainless steel-446
NT2 steel-cr25ni20
NT3 alloy-hk-40
NT3 stainless steel-310
NT2 steel-cr2moninb
NT2 steel-cr2mov
NT2 steel-ni25cr20
NT3 stainless steel-20-25
NT2 steel-ni26cr15ti2movalb
NT3 alloy-a-286
NT2 steel-nimocr
NT2 tophet
NT2 tribaloy 800
NT2 udimet alloys
NT3 alloy-ni53co19cr15mo5al4ti3
NT4 udimet 700
NT3 udimet 500
RT refractories

HEAT RESISTING ALLOYS

UF *refractory alloys*
UF *superalloys*
BT1 alloys
*BT1 heat resistant materials
NT1 alloy-co36cr22ni22w15fe3
NT2 haynes 188 alloy
NT1 alloy-co54cr20w15ni10
NT2 alloy-hs-25
NT2 haynes 25 alloy
NT1 alloy-co60cr30w4
NT2 stellite 6
NT1 alloy-d-979
NT1 alloy-fe44ni33cr21
NT2 incoloy 800h
NT1 alloy-fe46ni33cr21
NT2 incoloy 800
NT2 incoloy 802
NT1 alloy-mo99
NT2 alloy-tzm
NT2 alloy-zm-2a
NT1 alloy-n-10m
NT1 alloy-n-9m
NT1 alloy-ni41fe40cr16nb3
NT2 inconel 706
NT1 alloy-ni43fe30cr22mo3
NT2 incoloy 825
NT1 alloy-ni43fe33cr16mo3
NT2 nimonic pe16
NT1 alloy-ni46cr23co19ti5al4
NT2 alloy-in-939
NT1 alloy-ni49cr22fe18mo9
NT2 hastelloy x
NT1 alloy-ni50co20cr15al5mo5
NT2 nimonic 105
NT1 alloy-ni50cr22fe18mo9
NT2 hastelloy xr
NT1 alloy-ni50mo32cr15si3
NT1 alloy-ni51cr48
NT2 inconel 671
NT1 alloy-ni53cr19fe19nb5mo3
NT2 inconel 718
NT1 alloy-ni54cr22co13mo9
NT2 inconel 617
NT1 alloy-ni54mo17cr16fe6w4
NT2 hastelloy c
NT1 alloy-ni55cr19co11mo10ti3
NT2 rene 41
NT1 alloy-ni58cr20co14mo4ti3
NT2 waspaloy
NT1 alloy-ni59cr20co17ti2
NT1 alloy-ni59cr30fe9
NT2 inconel 690
NT1 alloy-ni60co15cr10al6ti5mo3
NT2 alloy-in-100
NT1 alloy-ni60fe24cr16
NT2 nichrome
NT1 alloy-ni61cr16co9al3ti3w3
NT2 alloy-in-738
NT1 alloy-ni61cr22mo9nb4fe3
NT2 inconel 625
NT1 alloy-ni62cr16mo15fe3
NT2 hastelloy s
NT1 alloy-ni65cr25mo10
NT2 nimonic 86
NT1 alloy-ni70mo17cr7fe5
NT2 hastelloy n
NT2 inor-8
NT1 alloy-ni73cr15fe7ti3
NT2 inconel x750
NT1 alloy-ni73cr20mn3nb3
NT2 inconel 82
NT1 alloy-ni74cr13al6mo4
NT2 inconel 713c
NT1 alloy-ni75cr12al6mo5
NT2 inconel 713lc
NT1 alloy-ni76cr15fe8
NT2 inconel 600
NT1 alloy-ni76cr20ti2
NT2 nimonic 80a
NT1 alloy-ni77cr20ti2
NT1 alloy-nt25a5
NT1 alloy-ra-333
NT1 alloy-s-590
NT1 alloy-s-816
NT1 alloy-v-36
NT1 alloy-zr97nb3
NT1 alloy-zr98sn-2
NT2 zircaloy 2
NT1 alloy-zr98sn-4
NT2 zircaloy 4
NT1 enduro
NT1 incoloy 901
NT1 rene 80
NT1 rene 95
NT1 steel-cr12
NT2 stainless steel-403
NT1 steel-cr12moniv
NT1 steel-cr12mov
NT2 alloy-ht-9
NT1 steel-cr13
NT2 stainless steel-410
NT1 steel-cr13al
NT2 stainless steel-405
NT1 steel-cr15ni15motib
NT1 steel-cr16
NT2 stainless steel-430
NT1 steel-cr16ni
NT1 steel-cr16ni13monbv
NT1 steel-cr16ni15mo3nb
NT1 steel-cr16ni16monb
NT1 steel-cr16ni8mo2
NT2 stainless steel-16-8-2
NT1 steel-cr17cu4ni4nb-l
NT2 stainless steel-17-4ph
NT1 steel-cr17mo
NT2 stainless steel-440
NT1 steel-cr17ni12mo3
NT2 stainless steel-316
NT1 steel-cr17ni12mo3-l
NT2 stainless steel-316l
NT2 stainless steel-zcnd17-13
NT1 steel-cr17ni12monb
NT1 steel-cr17ni13
NT1 steel-cr17ni13mo2ti
NT1 steel-cr17ni13mo3ti
NT1 steel-cr17ni4mo3
NT1 steel-cr17ni7
NT2 stainless steel-301
NT1 steel-cr18ni10
NT2 stainless steel-18-10
NT1 steel-cr18ni10-l
NT1 steel-cr18ni10ti
NT2 stainless steel-321
NT1 steel-cr18ni11
NT2 steel-x6crni1811
NT1 steel-cr18ni11nb
NT2 stainless steel-347
NT1 steel-cr18ni11nbco
NT2 stainless steel-348
NT1 steel-cr18ni12
NT2 stainless steel-305
NT1 steel-cr18ni12ti
NT1 steel-cr18ni8
NT2 stainless steel-18-8
NT1 steel-cr18ni9
NT2 stainless steel-302
NT1 steel-cr18ni9ti
NT1 steel-cr19ni10
NT2 stainless steel-304
NT1 steel-cr19ni10-l
NT2 stainless steel-304l
NT1 steel-cr20ni11
NT2 stainless steel-308
NT1 steel-cr20ni11-l
NT2 stainless steel-308l
NT1 steel-cr21mn9ni6
NT2 stainless steel-21-6-9
NT1 steel-cr23ni14
NT2 stainless steel-309

NT2 stainless steel-309s
NT1 steel-cr23ni18
NT1 steel-cr25
NT2 stainless steel-446
NT1 steel-cr25ni20
NT2 alloy-hk-40
NT2 stainless steel-310
NT1 steel-cr2moninb
NT1 steel-cr2mov
NT1 steel-ni25cr20
NT2 stainless steel-20-25
NT1 steel-ni26cr15ti2movalb
NT2 alloy-a-286
NT1 steel-nimocr
NT1 tophet
NT1 tribaloy 800
NT1 udimet alloys
NT2 alloy-ni53co19cr15mo5al4ti3
NT3 udimet 700
NT2 udimet 500
RT austenitic steels
RT refractories
RT refractory metals
RT stainless steels

HEAT-SHOCK PROTEINS

INIS: Jul 1994; ETDE: Jul 1994
(A group of highly conserved proteins involved in folding and assembly of proteins into functional macromolecules that are also crucial for a cell's adaptation to elevated temperatures)
UF *chaperonins*
*BT1 proteins
RT biological adaptation

HEAT SINKS

(From May 1981 to February 1997 COLD RECOVERY was a valid ETDE descriptor.)
SF *cold recovery*
BT1 sinks
RT heat sources
RT heat transfer
RT thermal effluents
RT thermodynamics
RT vapor condensers
RT waste heat

HEAT SOURCES

INIS: Feb 1993; ETDE: Jan 1976
NT1 radioisotope heat sources
RT heat sinks
RT heat transfer

heat sources (radioisotope)

Use radioisotope heat sources

heat stability

Use sensitivity
AND thermal degradation

HEAT STORAGE

INIS: Jan 1979; ETDE: Jan 1975
UF *thermal storage*
*BT1 energy storage
NT1 latent heat storage
NT1 seasonal thermal energy storage
NT1 sensible heat storage
NT1 thermochemical heat storage
RT cold storage
RT energy storage systems
RT regeneration
RT regenerators
RT rock beds
RT thermal energy storage equipment
RT thermic diode solar panels

heat storage devices

Use thermal energy storage equipment

heat storage systems

Use thermal energy storage equipment

HEAT STRESS

Sep 2003
(For biological heat stress only; for mechanical heat stress use THERMAL STRESSES.)
BT1 biological stress
RT body temperature
RT droughts
RT fever
RT hyperthermia
RT transpiration

HEAT TRANSFER

UF *exchange (heat)*
UF *heat transmission*
UF *transfer (heat)*
UF *transmission (heat)*
SF *heat dissipation*
BT1 energy transfer
NT1 convection
NT2 forced convection
NT2 natural convection
NT2 thermosyphon effect
NT1 heat gain
NT1 heat losses
NT1 radiant heat transfer
NT1 thermal conduction
RT ablation
RT boilers
RT boiling
RT burnout
RT calorimetry
RT continuity equations
RT coolant loops
RT cooling
RT critical heat flux
RT district heating
RT fluid flow
RT fourier heat equation
RT greenhouse effect
RT heat
RT heat exchangers
RT heat extraction
RT heat flux
RT heat pipes
RT heat pumps
RT heat recovery
RT heat sinks
RT heat sources
RT heat transfer fluids
RT heaters
RT heating
RT hot spots
RT nucleate boiling
RT nusselt number
RT reactor cooling systems
RT rewetting
RT righi-leduc effect
RT rosseland approximation
RT steam condensers
RT steam generators
RT thermal boundary resistance
RT thermal conductivity
RT thermal diffusion
RT thermal insulation
RT thermal radiation
RT thermodynamics
RT thermonuclear reactor cooling systems
RT thermosyphons
RT two-phase flow
RT u values
RT vapor condensation
RT working fluids

HEAT TRANSFER FLUIDS

INIS: Jun 1982; ETDE: Apr 1978
BT1 fluids
RT black liquids
RT heat transfer
RT working fluids

heat transfer properties

Use thermodynamic properties

heat transmission

Use heat transfer

HEAT TREATMENTS

(In metallurgy as well as for the biological effects of heat.)
UF *preheating*
NT1 annealing
NT1 autohydrolysis
NT1 quench hardening
NT1 tempering
NT1 thermomechanical treatments
RT aging
RT controlled atmospheres
RT critical temperature
RT curing
RT decarburization
RT food processing
RT grain refinement
RT hardening
RT heating
RT nucleic acid denaturation
RT protein denaturation
RT quenching
RT recrystallization
RT stress relaxation
RT thermal shock

heated effluents

Use thermal effluents

heater oil

Use heating oils

HEATERS

NT1 air heaters
NT2 solar air heaters
NT1 feedwater heaters
NT1 radiant heaters
NT1 space heaters
NT1 thermoelectric heaters
NT1 water heaters
NT2 solar water heaters
NT3 passive solar water heaters
NT4 thermic diode solar panels
RT heat
RT heat transfer

HEATING

NT1 aerodynamic heating
NT1 baking
NT1 district heating
NT2 geothermal district heating
NT2 solar district heating
NT1 electric heating
NT2 joule heating
NT3 current-drive heating
NT2 radiant cable heating
NT1 flash heating
NT1 geothermal heating
NT2 geothermal district heating
NT2 geothermal space heating
NT2 geothermal water heating
NT1 microwave heating
NT1 plasma heating
NT2 adiabatic compression heating
NT2 beam injection heating
NT2 high-frequency heating
NT3 ecr heating
NT3 icr heating

NT3 lower hybrid heating
NT3 magnetic-pumping heating
NT4 acoustic heating
NT4 collisional heating
NT4 transit-time magnetic pumping
NT2 joule heating
NT3 current-drive heating
NT2 laser-radiation heating
NT2 shock heating
NT2 turbulent heating
NT1 radiation heating
NT1 solar heating
NT2 solar district heating
NT2 solar space heating
NT2 solar water heating
NT1 space heating
NT2 auxiliary heating
NT2 baseboard heating
NT2 geothermal space heating
NT2 solar space heating
NT1 superheating
NT2 nuclear superheating
NT1 water heating
NT2 geothermal water heating
NT2 solar water heating
RT air conditioning
RT air heaters
RT annual cycle energy system
RT blisters
RT boiling
RT cooling
RT heat
RT heat exchangers
RT heat pumps
RT heat transfer
RT heat treatments
RT heating rate
RT ices program
RT incubation
RT melting
RT retorting
RT subterrene penetrators
RT temperature control
RT thermal degradation

HEATING LOAD

INIS: Apr 2000; ETDE: Sep 1975
RT air conditioning
RT cooling load
RT enthalpy
RT heat
RT heat gain
RT load collector ratio
RT solar fraction
RT solar heating

HEATING OILS

INIS: Jan 1992; ETDE: Mar 1976
UF *burner fuel oil*
UF *distillate fuel*
UF *distillate fuel oil*
UF *furnace oil*
UF *heater oil*
UF *no. 2 fuel oil*
*BT1 fuel oils
RT liquefied petroleum gases

HEATING RATE

INIS: Mar 1986; ETDE: Dec 1976
RT heating
RT time dependence

HEATING SYSTEMS

INIS: Mar 1992; ETDE: May 1977
BT1 energy systems
NT1 geothermal heating systems
NT1 solar heating systems
NT2 passive solar heating systems
NT3 bead walls
NT3 direct gain systems
NT3 drum walls
NT3 roof ponds
NT3 thermic diode solar panels
NT3 trombe walls
NT3 water walls
NT2 solar-assisted heat pumps
RT chemical heat pumps
RT district heating
RT space heating
RT space hvac systems

heavy fuels

Use residual fuels

HEAVY ION ACCELERATORS

INIS: Feb 1976; ETDE: Nov 1975
(Includes combined accelerator types for heavy ion acceleration.)
BT1 accelerators
NT1 brookhaven rhic
NT1 calcutta cyclotron
NT1 cracow u-120 cyclotron
NT1 crnl superconducting cyclotron
NT1 cyclone cyclotron
NT1 ganil cyclotron
NT1 hhirf accelerator
NT1 hilacs
NT2 atlas superconducting linac
NT2 superhilac
NT1 himac accelerator
NT1 hirfl cyclotron
NT1 ipcr cyclotron
NT1 jinr u-400 cyclotron
NT1 kvi cyclotron
NT1 milan superconducting cyclotron
NT1 munich suse cyclotron
NT1 nac cyclotron
NT1 numatron accelerator
NT1 rcnp cyclotron
NT1 rilac
NT1 sis synchrotron
NT1 texas superconducting cyclotron
NT1 tohoku cyclotron
NT1 tokyo ins cyclotron
NT1 unilac
NT1 vicksi accelerator
NT1 warsaw cyclotron
RT heavy ions

HEAVY ION DECAY RADIOISOTOPES

INIS: Mar 1986; ETDE: Jun 1989
*BT1 radioisotopes
NT1 carbon 12 decay radioisotopes
NT2 barium 114
NT1 carbon 14 decay radioisotopes
NT2 radium 222
NT2 radium 223
NT2 radium 224
NT2 radium 226
NT1 magnesium 28 decay radioisotopes
NT2 plutonium 236
NT2 uranium 234
NT1 neon 24 decay radioisotopes
NT2 protactinium 231
NT2 thorium 230
NT2 uranium 232
NT2 uranium 233
NT2 uranium 234
NT1 silicon 32 decay radioisotopes
NT2 plutonium 238
RT heavy ion emission decay

HEAVY ION EMISSION DECAY

INIS: Mar 1986; ETDE: Jul 1988
*BT1 nuclear decay
NT1 carbon 12 emission decay
NT1 carbon 14 emission decay
NT1 carbon 16 emission decay
NT1 magnesium 28 emission decay
NT1 magnesium 30 emission decay
NT1 neon 24 emission decay
NT1 oxygen 16 emission decay
NT1 silicon 32 emission decay
NT1 silicon 34 emission decay
RT cold fission
RT heavy ion decay radioisotopes

HEAVY ION FUSION REACTIONS

(Endoenergetic fusion reactions)
UF *fusion reactions (endoenergetic)*
UF *fusion reactions (heavy ion)*
SF *fusion reactions*
*BT1 heavy ion reactions
*BT1 nucleosynthesis
RT compound-nucleus reactions
RT deep inelastic heavy ion reactions
RT incomplete fusion reactions
RT quasi-fission
RT thermonuclear reactions

heavy ion linear accelerators

Use hilacs

HEAVY ION REACTIONS

BT1 nuclear reactions
NT1 aluminium 27 reactions
NT1 argon 36 reactions
NT1 argon 40 reactions
NT1 beryllium 11 reactions
NT1 beryllium 7 reactions
NT1 beryllium 8 reactions
NT1 beryllium 9 reactions
NT1 bismuth 209 reactions
NT1 boron 10 reactions
NT1 boron 11 reactions
NT1 boron 8 reactions
NT1 bromine 79 reactions
NT1 bromine 81 reactions
NT1 calcium 40 reactions
NT1 calcium 42 reactions
NT1 calcium 44 reactions
NT1 calcium 48 reactions
NT1 carbon 12 reactions
NT1 carbon 13 reactions
NT1 carbon 14 reactions
NT1 chlorine 35 reactions
NT1 chlorine 37 reactions
NT1 chromium 52 reactions
NT1 chromium 54 reactions
NT1 cobalt 59 reactions
NT1 copper 63 reactions
NT1 copper 65 reactions
NT1 deep inelastic heavy ion reactions
NT1 dysprosium 161 reactions
NT1 erbium 166 reactions
NT1 fluorine 19 reactions
NT1 gadolinium 155 reactions
NT1 germanium 70 reactions
NT1 germanium 74 reactions
NT1 germanium 76 reactions
NT1 gold 197 reactions
NT1 heavy ion fusion reactions
NT1 helium 6 reactions
NT1 helium 8 reactions
NT1 holmium 165 reactions
NT1 incomplete fusion reactions
NT1 iodine 127 reactions
NT1 iron 54 reactions
NT1 iron 56 reactions
NT1 iron 58 reactions
NT1 krypton 80 reactions
NT1 krypton 82 reactions
NT1 krypton 83 reactions
NT1 krypton 84 reactions
NT1 krypton 86 reactions
NT1 lanthanum 139 reactions
NT1 lead 206 reactions

NT1 lead 208 reactions
NT1 lithium 11 reactions
NT1 lithium 6 reactions
NT1 lithium 7 reactions
NT1 lithium 8 reactions
NT1 lithium 9 reactions
NT1 magnesium 24 reactions
NT1 magnesium 25 reactions
NT1 magnesium 26 reactions
NT1 manganese 55 reactions
NT1 molybdenum 100 reactions
NT1 molybdenum 92 reactions
NT1 molybdenum 96 reactions
NT1 molybdenum 98 reactions
NT1 neodymium 142 reactions
NT1 neodymium 150 reactions
NT1 neon 20 reactions
NT1 neon 22 reactions
NT1 neon 29 reactions
NT1 nickel 58 reactions
NT1 nickel 59 reactions
NT1 nickel 60 reactions
NT1 nickel 61 reactions
NT1 nickel 62 reactions
NT1 nickel 64 reactions
NT1 niobium 93 reactions
NT1 nitrogen 13 reactions
NT1 nitrogen 14 reactions
NT1 nitrogen 15 reactions
NT1 oxygen 14 reactions
NT1 oxygen 16 reactions
NT1 oxygen 17 reactions
NT1 oxygen 18 reactions
NT1 palladium 110 reactions
NT1 palladium 118 reactions
NT1 phosphorus 31 reactions
NT1 potassium 39 reactions
NT1 quasi-fission
NT1 ruthenium 104 reactions
NT1 samarium 144 reactions
NT1 samarium 154 reactions
NT1 scandium 45 reactions
NT1 selenium 76 reactions
NT1 selenium 80 reactions
NT1 selenium 82 reactions
NT1 silicon 28 reactions
NT1 silicon 29 reactions
NT1 silicon 30 reactions
NT1 silver 109 reactions
NT1 sodium 23 reactions
NT1 sulfur 32 reactions
NT1 sulfur 33 reactions
NT1 sulfur 34 reactions
NT1 sulfur 36 reactions
NT1 sulfur 39 reactions
NT1 tellurium 130 reactions
NT1 thallium 205 reactions
NT1 thorium 232 reactions
NT1 tin 112 reactions
NT1 tin 116 reactions
NT1 tin 118 reactions
NT1 tin 120 reactions
NT1 tin 122 reactions
NT1 tin 124 reactions
NT1 titanium 46 reactions
NT1 titanium 48 reactions
NT1 titanium 49 reactions
NT1 titanium 50 reactions
NT1 tungsten 183 reactions
NT1 tungsten 184 reactions
NT1 uranium 235 reactions
NT1 uranium 238 reactions
NT1 vanadium 51 reactions
NT1 xenon 129 reactions
NT1 xenon 132 reactions
NT1 xenon 134 reactions
NT1 xenon 136 reactions
NT1 zinc 64 reactions
NT1 zinc 68 reactions
NT1 zinc 70 reactions
NT1 zirconium 90 reactions
NT1 zirconium 92 reactions
NT1 zirconium 96 reactions
RT anomalons
RT hilacs
RT nuclear fireball model

heavy ion research facility lanzhou cyclotron

Use hirfl cyclotron

HEAVY ION SPECTROMETERS

*BT1 spectrometers

HEAVY IONS

(Whenever appropriate use one of the specific terms listed under ION BEAMS.)
*BT1 ions
RT ganil cyclotron
RT heavy ion accelerators
RT hhirf accelerator
RT hilacs
RT ion beams
RT ion detection
RT multicharged ions

HEAVY LEPTONS

*BT1 leptons
NT1 heavy neutral muons
NT1 tau neutrinos
NT1 tau particles

HEAVY LIQUID BUBBLE CHAMBERS

*BT1 bubble chambers

HEAVY MEDIA SEPARATION

INIS: Jul 1992; ETDE: Dec 1979
BT1 separation processes
NT1 otisca process
RT cleaning
RT coal preparation
RT washing

HEAVY NEUTRAL MUONS

INIS: Mar 1993; ETDE: Aug 1979
UF *muons, heavy neutral*
*BT1 heavy leptons
*BT1 postulated particles
RT muons

HEAVY NUCLEI

(For nuclei from mass 181 upwards.)
BT1 nuclei
NT1 actinide nuclei
NT2 actinium 207
NT2 actinium 208
NT2 actinium 209
NT2 actinium 210
NT2 actinium 211
NT2 actinium 212
NT2 actinium 213
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NT2 lawrencium 252
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NT1 element 111 272
NT1 element 112 277
NT1 element 112 283
NT1 francium 199
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NT1 gold 181
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NT1 hafnium 181
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NT1 iridium 181
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NT1 mercury 181
NT1 mercury 182
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NT1 rhenium 181
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NT1 tantalum 181
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NT1 thallium 208
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NT1 tungsten 181
NT1 tungsten 182
NT1 tungsten 183
NT1 tungsten 184
NT1 tungsten 185
NT1 tungsten 186
NT1 tungsten 187
NT1 tungsten 188
NT1 tungsten 189
NT1 tungsten 190
NT1 tungsten 192
RT nuclear structure

heavy oils

Use petroleum
AND viscosity

HEAVY WATER

(Restricted to the compounds D2O and HDO; for DTO, HTO, and T2O, see the use references at those entries.)
UF *deuterium oxide*
UF *hdo*
UF *heavy water coolant*
UF *heavy water moderator*
*BT1 deuterium compounds
*BT1 water
RT coolants
RT dual temperature process
RT heavy water plants
RT moderators
RT tritium extraction plants

heavy water components test reactor

Use hwctr reactor

heavy water coolant

Use heavy water

HEAVY WATER COOLED REACTORS

BT1 reactors
NT1 alrr reactor
NT1 aquilon reactor
NT1 bhwr type reactors
NT2 hbwr reactor
NT2 marviken reactor
NT1 br-3-vn reactor
NT1 celestin reactor
NT1 cp-3 reactor
NT1 cp-3m reactor
NT1 cp-5 reactor
NT1 dca reactor
NT1 dhruva reactor
NT1 dido reactor
NT1 diorit reactor
NT1 dmtr reactor
NT1 dr-3 reactor
NT1 el-1 reactor
NT1 el-3 reactor
NT1 eole reactor
NT1 essor reactor
NT1 fr-2 reactor
NT1 frj-2 reactor
NT1 grenoble reactor
NT1 gtrr reactor
NT1 hfbr reactor
NT1 hifar reactor
NT1 hwctr reactor
NT1 hwrr reactor
NT1 irr-2 reactor
NT1 ispra-1 reactor
NT1 jeep-2 reactor
NT1 jrr-2 reactor
NT1 jrr-3 reactor
NT1 mitr reactor
NT1 nbsr reactor
NT1 nora reactor
NT1 nru reactor
NT1 nrx reactor
NT1 pdp reactor
NT1 pelinduna reactor
NT1 phwr type reactors
NT2 agesta reactor
NT2 atucha reactor
NT2 atucha-2 reactor
NT2 bruce-1 reactor
NT2 bruce-2 reactor

NT2 bruce-3 reactor
NT2 bruce-4 reactor
NT2 bruce-5 reactor
NT2 bruce-6 reactor
NT2 bruce-7 reactor
NT2 bruce-8 reactor
NT2 cernavoda-1 reactor
NT2 cordoba reactor
NT2 cvtr reactor
NT2 darlington-1 reactor
NT2 darlington-2 reactor
NT2 darlington-3 reactor
NT2 darlington-4 reactor
NT2 douglas point ontario reactor
NT2 gentilly-2 reactor
NT2 kaiga-1 reactor
NT2 kaiga-2 reactor
NT2 kakrapar-1 reactor
NT2 kakrapar-2 reactor
NT2 kalpakkam-1 reactor
NT2 kalpakkam-2 reactor
NT2 kanupp reactor
NT2 mzfr reactor
NT2 narora-1 reactor
NT2 narora-2 reactor
NT2 npd reactor
NT2 pickering-1 reactor
NT2 pickering-2 reactor
NT2 pickering-3 reactor
NT2 pickering-4 reactor
NT2 pickering-5 reactor
NT2 pickering-6 reactor
NT2 pickering-7 reactor
NT2 pickering-8 reactor
NT2 point lepreau-1 reactor
NT2 point lepreau-2 reactor
NT2 rajasthan-1 reactor
NT2 rajasthan-2 reactor
NT2 rajasthan-3 reactor
NT2 rajasthan-4 reactor
NT2 wolsung-1 reactor
NT2 wolsung-2 reactor
NT2 wolsung-3 reactor
NT2 wolsung-4 reactor
NT1 pluto reactor
NT1 prr reactor
NT1 prtr reactor
NT1 pse reactor
NT1 r-1 reactor
NT1 r-a reactor
NT1 spert-2 reactor
NT1 taiwan research reactor
NT1 venus reactor
NT1 zed-2 reactor

heavy water gas cooled reactor of slovakia

Use bohunice a-1 reactor

heavy water moderated and gas cooled reactors

Use hwgcr type reactors

heavy water moderated and water cooled reactors

Use hwlwr type reactors

HEAVY WATER MODERATED REACTORS

BT1 reactors
NT1 alrr reactor
NT1 aquilon reactor
NT1 bhwr type reactors
NT2 hbwr reactor
NT2 marviken reactor
NT1 br-3-vn reactor
NT1 c reactor
NT1 candu type reactors
NT2 bruce-1 reactor
NT2 bruce-2 reactor
NT2 bruce-3 reactor
NT2 bruce-4 reactor
NT2 bruce-5 reactor
NT2 bruce-6 reactor
NT2 bruce-7 reactor
NT2 bruce-8 reactor
NT2 cernavoda-1 reactor
NT2 cordoba reactor
NT2 darlington-1 reactor
NT2 darlington-2 reactor
NT2 darlington-3 reactor
NT2 darlington-4 reactor
NT2 douglas point ontario reactor
NT2 embalse reactor
NT2 gentilly reactor
NT2 gentilly-2 reactor
NT2 kaiga-1 reactor
NT2 kaiga-2 reactor
NT2 kakrapar-1 reactor
NT2 kakrapar-2 reactor
NT2 kanupp reactor
NT2 npd reactor
NT2 pickering-1 reactor
NT2 pickering-2 reactor
NT2 pickering-3 reactor
NT2 pickering-4 reactor
NT2 pickering-5 reactor
NT2 pickering-6 reactor
NT2 pickering-7 reactor
NT2 pickering-8 reactor
NT2 point lepreau-1 reactor
NT2 point lepreau-2 reactor
NT2 qinshan-3-1 reactor
NT2 qinshan-3-2 reactor
NT2 rajasthan-1 reactor
NT2 rajasthan-2 reactor
NT2 rajasthan-3 reactor
NT2 rajasthan-4 reactor
NT2 wolsung-1 reactor
NT2 wolsung-2 reactor
NT2 wolsung-3 reactor
NT2 wolsung-4 reactor
NT1 celestin reactor
NT1 cirus reactor
NT1 cp-3 reactor
NT1 cp-3m reactor
NT1 cp-5 reactor
NT1 dca reactor
NT1 dhruva reactor
NT1 dido reactor
NT1 dimple reactor
NT1 diorit reactor
NT1 dmtr reactor
NT1 dr-3 reactor
NT1 eco reactor
NT1 el-1 reactor
NT1 el-2 reactor
NT1 el-3 reactor
NT1 eole reactor
NT1 essor reactor
NT1 fr-2 reactor
NT1 frj-2 reactor
NT1 grenoble reactor
NT1 gtrr reactor
NT1 hfbr reactor
NT1 hifar reactor
NT1 hre-2 reactor
NT1 hwctr reactor
NT1 hwgcr type reactors
NT2 bohunice a-1 reactor
NT2 bohunice a-2 reactor
NT2 el-4 reactor
NT2 lucens reactor
NT2 niederaichbach reactor
NT1 hwlwr type reactors
NT2 cirene reactor
NT2 gentilly reactor
NT2 jatr reactor
NT1 hwrr reactor
NT1 hwzpr reactor
NT1 irr-2 reactor
NT1 ispra-1 reactor
NT1 jeep-2 reactor
NT1 jrr-2 reactor
NT1 jrr-3 reactor
NT1 juno reactor
NT1 k reactor
NT1 l reactor
NT1 maple reactor
NT1 maple type reactors
NT1 mitr reactor
NT1 nbsr reactor
NT1 nora reactor
NT1 nru reactor
NT1 nrx reactor
NT1 p reactor
NT1 pdp reactor
NT1 pelinduna reactor
NT1 phwr type reactors
NT2 agesta reactor
NT2 atucha reactor
NT2 atucha-2 reactor
NT2 bruce-1 reactor
NT2 bruce-2 reactor
NT2 bruce-3 reactor
NT2 bruce-4 reactor
NT2 bruce-5 reactor
NT2 bruce-6 reactor
NT2 bruce-7 reactor
NT2 bruce-8 reactor
NT2 cernavoda-1 reactor
NT2 cordoba reactor
NT2 cvtr reactor
NT2 darlington-1 reactor
NT2 darlington-2 reactor
NT2 darlington-3 reactor
NT2 darlington-4 reactor
NT2 douglas point ontario reactor
NT2 gentilly-2 reactor
NT2 kaiga-1 reactor
NT2 kaiga-2 reactor
NT2 kakrapar-1 reactor
NT2 kakrapar-2 reactor
NT2 kalpakkam-1 reactor
NT2 kalpakkam-2 reactor
NT2 kanupp reactor
NT2 mzfr reactor
NT2 narora-1 reactor
NT2 narora-2 reactor
NT2 npd reactor
NT2 pickering-1 reactor
NT2 pickering-2 reactor
NT2 pickering-3 reactor
NT2 pickering-4 reactor
NT2 pickering-5 reactor
NT2 pickering-6 reactor
NT2 pickering-7 reactor
NT2 pickering-8 reactor
NT2 point lepreau-1 reactor
NT2 point lepreau-2 reactor
NT2 rajasthan-1 reactor
NT2 rajasthan-2 reactor
NT2 rajasthan-3 reactor
NT2 rajasthan-4 reactor
NT2 wolsung-1 reactor
NT2 wolsung-2 reactor
NT2 wolsung-3 reactor
NT2 wolsung-4 reactor
NT1 pluto reactor
NT1 prr reactor
NT1 prtr reactor
NT1 pse reactor
NT1 r reactor
NT1 r-1 reactor
NT1 r-a reactor
NT1 r-b reactor
NT1 rb-3 reactor

NT1 rtr reactor
NT1 sghwr reactor
NT1 spert-2 reactor
NT1 taiwan research reactor
NT1 tr-0 reactor
NT1 venus reactor
NT1 wr-1 reactor
NT1 zed-2 reactor
NT1 zeep reactor
NT1 zerlina reactor

heavy water moderator
Use heavy water

HEAVY WATER PLANTS
INIS: Nov 1978; ETDE: Feb 1978
(Plants for the production and/or upgrading of heavy water.)
*BT1 isotope separation plants
RT heavy water
RT isotope separation

heavy water research reactor
Use hwrr reactor

heavy water zero power reactor
Use hwzpr reactor

HEBER GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Oct 1975
BT1 geothermal fields
RT california

HECTOR REACTOR
(UKAEA, Winfrith, United Kingdom)
UF *hot enriched carbon moderated thermal oscillator reactor*
*BT1 carbon dioxide cooled reactors
*BT1 enriched uranium reactors
*BT1 graphite moderated reactors
*BT1 materials testing reactors
*BT1 pulsed reactors
*BT1 research reactors
*BT1 thermal reactors

hectorite
Use montmorillonite

HEDDUR
INIS: Apr 2000; ETDE: Dec 1974
*BT1 aluminium base alloys
*BT1 copper alloys

HEDENBERGITE
INIS: Apr 2000; ETDE: Jan 1976
(A black mineral of the clinopyroxene group.)
*BT1 silicate minerals

hedl
Use hanford engineering development laboratory

HEDTA
(Hydroxyethylethylenediaminetriacetic acid)
UF *hydroxyethylethylenediaminetri-acetic acid*
*BT1 amino acids
BT1 chelating agents
*BT1 hydroxy acids

HEF
INIS: Jun 1982; ETDE: Oct 1980
(To demonstrate breeder reactor fuel reprocessing. prior to December 1990, this concept was indexed by HOT EXPERIMENTAL FACILITY.)
UF *hot experimental facility*
*BT1 fuel reprocessing plants
RT consolidated fuel reprocessing program
RT pilot plants

HEIDA
UF *hydroxyethyliminodiacetic acid*
*BT1 amino acids
BT1 chelating agents
*BT1 hydroxy acids

heidelberg storage ring
Use tsr storage ring

heidelberg triga-mk-1-dkfz reactor
Use triga-1-heidelberg reactor

HEIGHT
(For elevation use LEVELS.)
BT1 dimensions
NT1 scale height
NT1 virtual height
RT altitude
RT levels

HEINRICHITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 uranium minerals
RT arsenic oxides
RT barium oxides
RT uranium oxides

HEISENBERG MODEL
*BT1 crystal models
RT electronic structure
RT ferromagnetism
RT phi4-field theory
RT spin

HEISENBERG PICTURE
UF *heisenberg representation*
RT quantum field theory
RT quantum mechanics
RT schroedinger picture

heisenberg principle
Use uncertainty principle

heisenberg representation
Use heisenberg picture

heissdampfreaktoranlage
Use hdr reactor

HEITLER-LONDON THEORY
(Prior to March 1997 HEITLER-LONDON WAVES was a valid ETDE descriptor.)
UF *heitler-london waves*
RT binding energy

heitler-london waves
Use heitler-london theory

HELA CELLS
*BT1 tumor cells
RT clone cells
RT in vitro

helac
Use linear accelerators

HELIAC STELLARATORS
INIS: May 1987; ETDE: Jun 1987
(Helical magnetic axis stellarators.)
*BT1 stellarators
NT1 h-1 heliac
NT1 hsx stellarator
NT1 sheila heliac
NT1 tj-ii heliac

helianthus annuus
Use sunflowers

HELICAL CONFIGURATION
BT1 configuration
RT dna
RT magnetic field configurations
RT molecular structure

HELICAL INSTABILITY
UF *screw instability*
*BT1 plasma macroinstabilities

HELICAL ROTARY SCREW EXPANDER
INIS: Apr 2000; ETDE: Jun 1977
UF *lysholm engine*
RT rotary engines
RT turbines

HELICAL WAVEGUIDES
BT1 waveguides

HELICITY
BT1 particle properties
RT angular momentum
RT chirality
RT spin

HELICON RESONANCE
BT1 resonance
RT superconductivity

HELICON WAVES
*BT1 electromagnetic radiation

HELICOPTERS
INIS: Feb 1992; ETDE: Apr 1982
BT1 aircraft

HELIOS DEVICES
*BT1 q devices

HELIOS FACILITY
INIS: Jul 1981; ETDE: Jul 1979
(Large CO2 laser facility at Los Alamos for laser fusion experiments.)
RT antares facility
RT carbon dioxide lasers
RT lanl
RT laser fusion reactors

HELIOSPHERE
INIS: Feb 1987; ETDE: May 1987
(Influence zone of the sun in interstellar space, delimited by the ejected solar plasma.)
*BT1 solar atmosphere

HELIOSTATS
INIS: Mar 1992; ETDE: Jan 1976
*BT1 solar equipment
NT1 solar tracking systems
RT central receiver test facility
RT control systems
RT solar tracking

heliothis
Use bollworm

HELIOTRON
*BT1 closed plasma devices
RT lhd device
RT torsatron stellarators

HELIOTRON-E STELLARATOR
INIS: Jul 1999; ETDE: Sep 1999
(Plasma Physics Laboratory, Kyoto University, Japan)
*BT1 stellarators

HELIUM
*BT1 rare gases
RT cryogenic fluids
RT helium embrittlement

HELIUM 10
*BT1 even-even nuclei
*BT1 helium isotopes

*BT1 light nuclei

HELIUM 2
INIS: Feb 1980; ETDE: Mar 1980
*BT1 helium isotopes
*BT1 light nuclei

HELIUM 3
*BT1 even-odd nuclei
*BT1 helium isotopes
*BT1 light nuclei
*BT1 stable isotopes
NT1 helium 3 a
NT1 helium 3 a1
NT1 helium 3 b
RT helium 3 beams
RT quantum fluids

HELIUM 3 A
INIS: Oct 1975; ETDE: Aug 1975
(A phase of superfluid helium 3.)
*BT1 helium 3
RT superfluidity

HELIUM 3 A1
INIS: Aug 1981; ETDE: Jun 1977
(A phase of superfluid helium 3.)
*BT1 helium 3
RT superfluidity

HELIUM 3 B
INIS: Oct 1975; ETDE: Aug 1975
(A phase of superfluid helium 3.)
*BT1 helium 3
RT superfluidity

HELIUM 3 BEAMS
*BT1 ion beams
RT helium 3

HELIUM 3 REACTIONS
*BT1 charged-particle reactions

HELIUM 3 TARGET
BT1 targets

HELIUM 4
*BT1 even-even nuclei
*BT1 helium isotopes
*BT1 light nuclei
*BT1 stable isotopes
NT1 helium i
NT1 helium ii
RT helium 4 beams
RT lambda point
RT quantum fluids

HELIUM 4 BEAMS
*BT1 ion beams
NT1 alpha beams
RT helium 4

helium 4 reactions
Use alpha reactions

HELIUM 4 TARGET
BT1 targets

HELIUM 5
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 helium isotopes
*BT1 light nuclei

HELIUM 6
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 helium isotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes

HELIUM 6 REACTIONS
INIS: Jul 1985; ETDE: Aug 1985
*BT1 heavy ion reactions

HELIUM 6 TARGET
INIS: Jan 1986; ETDE: May 1977
BT1 targets

HELIUM 7
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 helium isotopes
*BT1 light nuclei

HELIUM 8
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 helium isotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes

HELIUM 8 BEAMS
INIS: May 1985; ETDE: Jul 1985
*BT1 radioactive ion beams
*BT1 secondary beams

HELIUM 8 REACTIONS
INIS: Jul 1985; ETDE: Aug 1985
*BT1 heavy ion reactions

HELIUM 9
*BT1 even-odd nuclei
*BT1 helium isotopes
*BT1 light nuclei

HELIUM ASH
INIS: Feb 1990; ETDE: Mar 1990
(A thermonuclear reaction product.)
*BT1 helium ions
RT alpha particles
RT pumped limiters
RT thermonuclear reactions

HELIUM BURNING
INIS: Sep 1978; ETDE: Oct 1978
(Astrophysical processes only.)
BT1 star burning
RT dwarf stars
RT nucleosynthesis
RT red giant stars
RT star evolution

HELIUM CHLORIDES
*BT1 chlorides
*BT1 helium compounds

HELIUM COMPLEXES
BT1 complexes

HELIUM COMPOUNDS
UF+ *helium hydroxides*
UF+ *helium oxides*
BT1 rare gas compounds
NT1 helium chlorides
NT1 helium hydrides
NT1 helium tritides

HELIUM COOLED REACTORS
*BT1 gas cooled reactors
NT1 avr reactor
NT1 dragon reactor
NT1 ebor reactor
NT1 egcr reactor
NT1 fulton-1 reactor
NT1 fulton-2 reactor
NT1 gcfr reactor
NT1 gcre reactor
NT1 htr-10 reactor
NT1 httr reactor
NT1 iea-zpr reactor
NT1 peach bottom-1 reactor
NT1 schmehausen-2 reactor
NT1 summit-1 reactor
NT1 summit-2 reactor
NT1 thtr-300 reactor
NT1 uhtrex reactor
NT1 vg-400 reactor
NT1 vgr-50 reactor
NT1 vhtr reactor
NT1 vidal-1 reactor
NT1 vidal-2 reactor
NT1 vrain reactor
RT htgr type reactors

HELIUM DILUTION REFRIGERATION
*BT1 refrigeration
RT cryogenics
RT helium dilution refrigerators
RT refrigerators

HELIUM DILUTION REFRIGERATORS
INIS: Jun 1982; ETDE: Feb 1975
BT1 refrigerators
RT cryostats
RT helium dilution refrigeration

HELIUM EMBRITTLEMENT
INIS: Jun 1992; ETDE: Mar 1985
(A decrease in the fracture strength of metals due to the incorporation of helium in the metal lattice.)
BT1 embrittlement
RT brittleness
RT fracture properties
RT helium
RT interstitial helium generation

helium generation
Use interstitial helium generation

HELIUM HYDRIDES
*BT1 helium compounds
*BT1 hydrides

helium hydroxides
Use helium compounds
AND hydroxides

HELIUM I
(The phase of liquid helium-4 which is stable at temperatures above the lambda point (about 2.2 K).)
*BT1 helium 4

HELIUM II
(The phase of liquid helium-4 which is stable at temperatures between absolute zero and the lambda point (about 2.2 K).)
*BT1 helium 4
*BT1 quantum fluids
RT film flow
RT landau liquid helium theory
RT superfluidity

HELIUM IONS
*BT1 ions
NT1 helium ash
RT alpha particles

HELIUM ISOTOPES
BT1 isotopes
NT1 helium 10
NT1 helium 2
NT1 helium 3
NT2 helium 3 a
NT2 helium 3 a1
NT2 helium 3 b
NT1 helium 4
NT2 helium i

NT2 helium ii
NT1 helium 5
NT1 helium 6
NT1 helium 7
NT1 helium 8
NT1 helium 9

helium jet method
Use reaction product transport systems

helium method
Use isotope dating

HELIUM-NEON LASERS
INIS: May 1976; ETDE: Jun 1976
*BT1 gas lasers

helium oxides
Use helium compounds
AND oxides

helium production rates
Use interstitial helium generation

HELIUM TRITIDES
INIS: Sep 1977; ETDE: Jun 1975
*BT1 helium compounds
*BT1 tritides

HELIUM-XENON LASERS
INIS: Aug 1992; ETDE: May 1980
*BT1 gas lasers

helmholtz free energy
Use free energy

HELMHOLTZ INSTABILITY
UF *kelvin-helmholtz instability*
*BT1 plasma macroinstabilities
RT fluid flow

HELMHOLTZ THEOREM
RT vectors

HELMINTHS
BT1 parasites
NT1 platyhelminths
NT2 cestodes
NT2 trematodes
NT3 fasciola
NT3 schistosoma
NT2 turbellaria
NT3 planaria

HELVITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 silicate minerals
RT beryllium silicates
RT iron silicates
RT manganese silicates

hemagglutination
Use hemagglutinins

HEMAGGLUTININS
UF *hemagglutination*
*BT1 agglutinins
NT1 concanavalin a
NT1 phytohemagglutinin
RT blood groups
RT erythrocytes

hemangiomas
Use angiomas

hematin
Use heme

HEMATINICS
INIS: Aug 1993; ETDE: Apr 1981
*BT1 hematologic agents
NT1 folic acid
NT1 intrinsic factor
NT1 vitamin b-12
RT anticoagulants
RT blood substitutes
RT coagulants
RT fibrinolytic agents

HEMATITE
(A common iron mineral.)
*BT1 iron ores
*BT1 oxide minerals
RT iron oxides
RT limonite

HEMATOLOGIC AGENTS
INIS: May 1984; ETDE: Apr 1981
BT1 drugs
NT1 anticoagulants
NT2 coumarin
NT2 heparin
NT2 psoralen
NT1 blood substitutes
NT2 dextran
NT2 pectins
NT2 pvp
NT1 coagulants
NT2 protamines
NT1 fibrinolytic agents
NT2 fibrinolysin
NT2 plasminogen
NT2 urokinase
NT1 hematinics
NT2 folic acid
NT2 intrinsic factor
NT2 vitamin b-12
RT blood
RT blood coagulation
RT hemic diseases

HEMATOLOGY
BT1 medicine
RT hemic diseases

HEMATOMAS
INIS: Jul 1979; ETDE: Jun 1977
RT blood coagulation
RT hemorrhage
RT injuries

hematopoiesis
Use blood formation

HEMATOPOIETIC SYSTEM
BT1 body
NT1 bone marrow
RT blood formation
RT erythropoiesis

hematoporphyrin (heme)
Use heme

HEMATOPORPHYRINS
BT1 pigments
*BT1 porphyrins
RT hemoglobin

HEMATOXYLIN
BT1 dyes
*BT1 polyphenols
*BT1 pyrans

HEME
UF *hematin*
UF *hematoporphyrin (heme)*
UF *hemin*
BT1 pigments
*BT1 porphyrins
RT carboxyhemoglobin
RT hemoglobin
RT iron
RT methemoglobin

HEMIACETAL DEHYDROGENASES
INIS: Dec 1986; ETDE: Jan 1981
(Code number 1.1.)
*BT1 oxidoreductases
NT1 alcohol dehydrogenase
NT1 lactate dehydrogenase

HEMIC DISEASES
UF *blood diseases*
BT1 diseases
NT1 anemias
NT2 ischemia
NT2 megaloblastic anemia
NT2 sickle cell anemia
NT2 thalassemia
NT1 hemophilia
NT1 leukopenia
NT2 lymphopenia
NT1 polycythemia
NT1 purpura
RT blood
RT blood chemistry
RT hematologic agents
RT hematology
RT hemolysis
RT hemorrhage
RT malaria
RT splenomegaly

HEMICELLULOSE
INIS: Apr 2000; ETDE: Jun 1978
(Group of complex carbohydrates, hexose and pentose sugars and sugar acids of uronic type, surrounding cellulose fibers of plant cells. No chemical relation to cellulose.)
*BT1 polysaccharides
NT1 xylans
RT biomass
RT cellulose
RT lignin
RT wood

hemin
Use heme

HEMIPTERA
*BT1 insects
NT1 aphids

HEMLOCKS
INIS: Apr 2000; ETDE: Feb 1988
(Tsuga.)
*BT1 conifers

HEMOCYANIN
*BT1 metalloproteins
RT blood

HEMOGLOBIN
*BT1 globins
BT1 pigments
*BT1 porphyrins
NT1 methemoglobin
RT anemias
RT carboxyhemoglobin
RT erythrocytes
RT hematoporphyrins
RT heme
RT hemosiderin
RT iron
RT protoporphyrins
RT respiration

HEMOLYSINS
BT1 antibodies
RT complement
RT hemolysis

HEMOLYSIS
(The alteration, dissolution, or destruction of red blood cells in such a manner that hemoglobin is liberated into the medium in which the cells are suspended.)
*BT1 decomposition
BT1 lysis
BT1 pathological changes
RT anemias
RT erythrocytes
RT hemic diseases
RT hemolysins
RT immunity

HEMOPHILIA
INIS: Mar 1987; ETDE: Nov 1987
*BT1 hemic diseases
*BT1 hereditary diseases
RT blood coagulation
RT hemorrhage

hemophilus
Use haemophilus

hemopoiesis
Use blood formation

HEMORRHAGE
BT1 pathological changes
BT1 symptoms
RT anemias
RT blood
RT blood coagulation
RT blood vessels
RT hematomas
RT hemic diseases
RT hemophilia

HEMOSIDERIN
*BT1 metalloproteins
BT1 pigments
*BT1 porphyrins
RT blood
RT ferritin
RT hemoglobin
RT iron

hemostatics
Use coagulants

hens
Use chickens

HEPARIN
*BT1 anticoagulants
*BT1 mucopolysaccharides
*BT1 organic sulfur compounds
RT mast cells

heparin antagonists
Use coagulants

HEPATECTOMY
*BT1 surgery
RT digestive system diseases
RT liver

HEPATITIS
*BT1 digestive system diseases
NT1 infectious hepatitis
RT jaundice
RT liver

hepatitis (infectious)
Use infectious hepatitis

hepatocytes
Use liver cells

HEPATOMAS
*BT1 carcinomas
RT liver

HEPTANE
*BT1 alkanes

HEPTANOIC ACID
UF *enanthic acid*
UF *heptylic acid*
*BT1 monocarboxylic acids

HEPTENES
*BT1 alkenes

HEPTYL RADICALS
*BT1 alkyl radicals

heptylic acid
Use heptanoic acid

HERA STORAGE RING
INIS: May 1984; ETDE: Jun 1984
(Hadron-Elektron-Ring Anlage.)
BT1 storage rings

HERALD REACTOR
(UK Ministry of Defence, Aldermaston, Reading, Berkshire, United Kingdom)
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors

HERBICIDES
BT1 pesticides

HERBIG-HARO OBJECTS
INIS: Apr 2000; ETDE: Apr 1989
(Small faint patches of nebulosity seen on surfaces of many dark clouds believed to be a very early phase in stellar evolution.)
RT nebulae
RT star evolution

HERBS
UF+ *coleus*
BT1 plants
NT1 marihuana
NT1 meadow foam

HEREDITARY DISEASES
UF+ *xeroderma pigmentosum*
BT1 diseases
NT1 downs syndrome
NT1 hemophilia
RT chromosomal aberrations
RT congenital diseases
RT genetics
RT mutants
RT mutations
RT sickle cell anemia
RT sister chromatid exchanges

heredity
Use genetics

hermex process
Use reprocessing

HERMITE POLYNOMIALS
*BT1 polynomials

HERMITIAN MATRIX
BT1 matrices

HERMITIAN OPERATORS
BT1 mathematical operators

HERO REACTOR
UF *hot experimental reactor zero energy*
*BT1 carbon dioxide cooled reactors
*BT1 enriched uranium reactors
*BT1 graphite moderated reactors
*BT1 research reactors
*BT1 test reactors
*BT1 zero power reactors

HEROIN
UF *diacetylmorphine*
*BT1 narcotics
RT codeine
RT morphine

HERPES SIMPLEX
*BT1 skin diseases
*BT1 viral diseases
RT viruses

HERPES ZOSTER
*BT1 nervous system diseases
*BT1 viral diseases
RT nerves
RT viruses

HERTZSPRUNG-RUSSELL DIAGRAM
*BT1 diagrams
RT star evolution

hesperidin
Use flavones
AND glycosides

HETEROCHROMATIN
BT1 chromatin
RT chromosome breakage

HETEROCHROMOSOMES
UF *sex chromosomes*
BT1 chromosomes
NT1 x chromosome
NT2 human x chromosome
NT1 y chromosome
NT2 human y chromosome
RT chromosomal aberrations
RT sex

HETEROCYCLIC ACIDS
UF+ *biliverdin*
UF+ *diodrast*
UF+ *iodopyracet*
UF+ *kynurenic acid*
UF+ *urobilinogen*
*BT1 carboxylic acids
*BT1 heterocyclic compounds
NT1 bilirubin
NT1 biotin
NT1 histidine
NT1 hydroxyproline
NT1 lysergic acid
NT1 nicotinic acid
NT1 orotic acid
NT1 picolinic acid
NT1 porphyrins
NT2 chlorins
NT2 chlorophyll
NT2 hematoporphyrins
NT2 heme
NT2 hemoglobin
NT3 methemoglobin
NT2 hemosiderin
NT2 myoglobin
NT2 protoporphyrins
NT1 proline
NT1 rhodamines
NT1 thioctic acid
NT1 tryptophan
NT1 urocanic acid
RT nicotinamide

HETEROCYCLIC COMPOUNDS
UF+ *guanethidine*

BT1 organic compounds
NT1 azaarenes
NT2 acridines
NT3 acridine orange
NT3 flavines
NT4 acriflavine
NT4 proflavine
NT2 carbazoles
NT2 indoles
NT3 indigo
NT3 indocyanine green
NT3 lysergic acid
NT3 reserpine
NT3 strychnine
NT3 tryptamines
NT4 melatonin
NT4 serotonin
NT5 bufotenine
NT3 tryptophan
NT3 vinblastine
NT2 phenanthrolines
NT3 ferroin
NT3 phenanthroline-ortho
NT2 pteridines
NT3 aminopterin
NT3 folic acid
NT2 purines
NT3 adenines
NT4 kinetin
NT3 guanine
NT3 guanosine
NT3 hypoxanthine
NT3 inosine
NT3 mercaptopurine
NT3 xanthines
NT4 caffeine
NT4 theobromine
NT4 theophylline
NT4 uric acid
NT2 quinolines
NT3 ferron
NT3 oxine
NT3 quinaldine
NT1 azines
NT2 phenothiazines
NT3 chlorpromazine
NT3 methylene blue
NT2 pyrazines
NT3 phenazine
NT3 piperazines
NT2 pyridazines
NT3 phthalazines
NT4 luminol
NT2 pyridines
NT3 acridines
NT4 acridine orange
NT4 flavines
NT5 acriflavine
NT5 proflavine
NT3 bipyridines
NT3 nicotinamide
NT3 nicotine
NT3 nicotinic acid
NT3 pan
NT3 picolines
NT4 picolinic acid
NT3 piperidines
NT4 dipyridamole
NT4 pethidine
NT4 triacetoneamine-n-oxyl
NT3 pyridine
NT3 pyridinium compounds
NT3 pyridoxal
NT3 pyridoxine
NT3 pyridoxylideneglutamate
NT3 pyridylazoresorcinol
NT3 quinolines
NT4 ferron
NT4 oxine
NT4 quinaldine
NT2 pyrimidines
NT3 alloxan
NT3 barbiturates
NT4 nembutal
NT4 phenobarbital
NT3 cytidine
NT3 cytosine
NT3 deoxycytidine
NT3 thiamine
NT3 thymidine
NT3 uracils
NT4 bromouracils
NT5 budr
NT4 chlorouracils
NT4 deoxyuridine
NT4 fluorouracils
NT5 fudr
NT4 iodouracils
NT5 iododeoxyuridine
NT4 orotic acid
NT4 thiouracil
NT4 thymine
NT4 uridine
NT2 triazines
NT3 cyanurates
NT3 melamine
NT1 azoles
NT2 carbazoles
NT2 imidazoles
NT3 allantoin
NT3 benzimidazoles
NT3 biotin
NT3 creatinine
NT3 histamine
NT3 histidine
NT3 hydantoins
NT3 metronidazole
NT3 misonidazole
NT3 urocanic acid
NT2 oxadiazoles
NT2 oxazoles
NT3 benzoxazoles
NT3 popop
NT2 pyrazoles
NT3 indazoles
NT3 pyrazolines
NT4 antipyrine
NT2 pyrroles
NT3 bilirubin
NT3 indoles
NT4 indigo
NT4 indocyanine green
NT4 lysergic acid
NT4 reserpine
NT4 strychnine
NT4 tryptamines
NT5 melatonin
NT5 serotonin
NT6 bufotenine
NT4 tryptophan
NT4 vinblastine
NT3 pyrrolidines
NT4 hydroxyproline
NT4 nicotine
NT4 proline
NT3 pyrrolidones
NT4 pvp
NT2 tetrazoles
NT3 tetrazolium
NT2 thiadiazoles
NT2 thiazoles
NT3 benzothiazoles
NT3 saccharin
NT3 thiamine
NT2 triazoles
NT1 bedt-ttf
NT1 dioxane
NT1 dioxin
NT1 furans
NT2 benzofurans
NT2 furfural
NT2 tetrahydrofuran
NT3 mthf
NT1 heterocyclic acids
NT2 bilirubin
NT2 biotin
NT2 histidine
NT2 hydroxyproline
NT2 lysergic acid
NT2 nicotinic acid
NT2 orotic acid
NT2 picolinic acid
NT2 porphyrins
NT3 chlorins
NT3 chlorophyll
NT3 hematoporphyrins
NT3 heme
NT3 hemoglobin
NT4 methemoglobin
NT3 hemosiderin
NT3 myoglobin
NT3 protoporphyrins
NT2 proline
NT2 rhodamines
NT2 thioctic acid
NT2 tryptophan
NT2 urocanic acid
NT1 heterocyclic oxygen compounds
NT2 pyrans
NT3 coumarin
NT3 hematoxylin
NT3 pyrones
NT3 quercetin
NT3 tetrahydropyran
NT1 imipramine
NT1 isoalloxazines
NT2 diaphorase
NT1 lactones
NT2 coumarin
NT2 gibberellic acid
NT1 morpholines
NT1 phthalocyanines
NT1 polycyclic sulfur heterocycles
NT1 psoralen
NT1 thionaphthenes
NT1 thionine
NT1 thiophene
NT1 tmtsf
NT1 trioxanes
NT1 tta
NT1 ttf
NT1 ttf-tcnq
RT cyanine dyes
RT epoxides
RT lactams
RT squarylium dyes

HETEROCYCLIC OXYGEN COMPOUNDS

INIS: Apr 1984; ETDE: Aug 1978
UF+ *oxetane*
UF+ *polytetraoxane*
*BT1 heterocyclic compounds
*BT1 organic oxygen compounds
NT1 pyrans
NT2 coumarin
NT2 hematoxylin
NT2 pyrones
NT2 quercetin
NT2 tetrahydropyran
RT furans

HETERODYNE RECEIVERS

INIS: Feb 1976; ETDE: Jun 1975
UF *superheterodyne receivers*
*BT1 microwave equipment
*BT1 radio equipment

RT frequency converters
RT radiometers

HETEROGENEOUS CATALYSIS
INIS: Feb 1992; ETDE: Jul 1984
(Catalysis occurring at a phase boundary, usually a solid-fluid interface.)
BT1 catalysis

HETEROGENEOUS EFFECTS
(Effects of dissimilar constituents on neutron diffusion in shielding or reactor cores.)
RT absorption
RT homogenization methods
RT neutron flux
RT reactor kinetics
RT reservoir rock
RT shielding

HETEROGENEOUS REACTOR CORES
INIS: May 1981; ETDE: Jun 1981
(Reactor cores using various types of fuel simultaneously.)
*BT1 reactor cores
RT fbr type reactors

HETEROJUNCTIONS
INIS: Aug 1982; ETDE: Jul 1981
(Prior to July 1981, this concept in ETDE was indexed to SEMICONDUCTOR JUNCTIONS.)
BT1 semiconductor junctions
RT homojunctions
RT quantum wells

heteropoly acids
Use inorganic acids

HETEROPOLYANIONS
*BT1 anions
BT1 complexes
RT molybdophosphoric acid
RT tungstophosphoric acid

heterozygotes
Use hybridization

HEULANDITE
INIS: Apr 2000; ETDE: Jan 1976
(A zeolite mineral.)
*BT1 zeolites

HEUSLER ALLOYS
*BT1 aluminium alloys
*BT1 copper base alloys
*BT1 corrosion resistant alloys
*BT1 manganese alloys
RT brass
RT bronze

HEVEA
*BT1 rubber trees

HEW-305 REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *hanford 305 test reactor*
*BT1 graphite moderated reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors

hewlett-packard computers
Use hp computers

HEXADECANE
*BT1 alkanes

HEXADECANOIC ACID
UF *palmitic acid*
*BT1 monocarboxylic acids

HEXADECAPOLES
INIS: Nov 1977; ETDE: Nov 1977
BT1 multipoles

hexagonal close packed
Use hcp lattices

HEXAGONAL CONFIGURATION
BT1 configuration

HEXAGONAL LATTICES
*BT1 crystal lattices
NT1 hcp lattices

hexahydropyridines
Use piperidines

hexamethylenediaminetetraacetic acid
Use amino acids
AND chelating agents

hexamethylenetetramine
Use urotropin

HEXANE
*BT1 alkanes
RT cyclohexane

HEXANOIC ACID
UF *caproic acid*
*BT1 monocarboxylic acids

HEXANOLS
UF *hexyl alcohols*
*BT1 alcohols

HEXAPOLAR CONFIGURATIONS
*BT1 multipolar configurations

HEXAPOLES
BT1 multipoles

HEXENES
*BT1 alkenes

HEXOKINASE
*BT1 phosphotransferases

HEXOSAMINES
*BT1 amines
*BT1 hexoses
NT1 glucosamine

HEXOSES
UF *fucose*
UF+ *cycasin*
*BT1 monosaccharides
NT1 fructose
NT1 galactose
NT1 glucose
NT1 hexosamines
NT2 glucosamine
NT1 mannose
NT1 sorbose

HEXOSYL TRANSFERASES
INIS: Apr 2000; ETDE: Jun 1981
(Code number 2.4.1.)
*BT1 glycosyl transferases

hexyl alcohols
Use hexanols

HEXYL RADICALS
*BT1 alkyl radicals

HEYSHAM-A REACTOR
(Heysham, Lanchashire, UK)
*BT1 agr type reactors
*BT1 carbon dioxide cooled reactors
*BT1 power reactors
*BT1 thermal reactors

HEYSHAM-B REACTOR
(Heysham, Lanchashire, UK)
*BT1 agr type reactors
*BT1 carbon dioxide cooled reactors
*BT1 power reactors
*BT1 thermal reactors

hf radiation
Use short wave radiation

HFBR REACTOR
(Association of Universities Inc., Upton, New York, USA)
UF *brookhaven high flux beam reactor*
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors
RT tristan separator

HFETR REACTOR
INIS: Apr 1986; ETDE: Jun 1986
UF *high flux engineering test reactor*
*BT1 enriched uranium reactors
*BT1 materials testing reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

HFIR REACTOR
(Oak Ridge National Lab., Oak Ridge, Tennessee, USA)
UF *high flux isotope reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

HFR REACTOR
(Commission of the European Communities, Joint Research Centre, Petten, Netherlands)
UF *high flux reactor petten*
UF *high-flux reactor petten*
UF *petten high flux reactor*
*BT1 enriched uranium reactors
*BT1 materials testing reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

hfs
Use hyperfine structure

HGI2 SEMICONDUCTOR DETECTORS
INIS: Dec 1975; ETDE: Jan 1976
(Mercury iodide semiconductor detectors)
UF *mercuric iodide detectors*
*BT1 semiconductor detectors

hhirf
Use hhirf accelerator

HHIRF ACCELERATOR
INIS: Aug 1978; ETDE: Oct 1978
UF *hhirf*
UF *holifield heavy ion research facility*
*BT1 heavy ion accelerators
RT heavy ions
RT ornl isochronous cyclotron

HIBERNATION
UF *aestivation*
RT hypothermia
RT sleep

hichlor process
Use waste processing

HIDDEN VARIABLES
(Prior to December 1985 NONMEASURABLE VARIABLES was used for this concept.)
UF *non-measurable variables*
UF *nonmeasurable variables*
RT bell theorem
RT quantum mechanics
RT wave functions

HIFAR REACTOR
(Australian Atomic Energy Commission, Nuclear Science and Technology Branch, Lucas Heights, Australia)
UF *high flux australian reactor*
UF *high-flux australian reactor*
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 materials testing reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors

HIGGS BOSONS
INIS: Jul 1976; ETDE: Nov 1976
*BT1 postulated particles
RT symmetry breaking

HIGGS MODEL
INIS: Jan 1977; ETDE: Apr 1976
(A gauge invariant model describing massive vector bosons, in which the scalar fields form an octet under su-3.)
*BT1 particle models
RT instantons
RT quantum field theory
RT su-3 groups
RT vector mesons

HIGH ALLOY STEELS
INIS: Nov 1983; ETDE: Dec 1988
*BT1 steels
NT1 stainless steels
NT2 chromium steels
NT3 chromium-molybdenum steels
NT4 chromium-nickel-molybdenum steels
NT5 alloy-m-813
NT5 steel-cr11ni10mo2ti-l
NT5 steel-cr15ni15motib
NT5 steel-cr16ni13monbv
NT5 steel-cr16ni15mo3nb
NT5 steel-cr16ni16monb
NT5 steel-cr16ni8mo2
NT6 stainless steel-16-8-2
NT5 steel-cr16ni9mo2
NT5 steel-cr17ni12mo3
NT6 stainless steel-316
NT5 steel-cr17ni12mo3-l
NT6 stainless steel-316l
NT6 stainless steel-zcnd17-13
NT5 steel-cr17ni12monb
NT5 steel-cr17ni13mo2ti
NT5 steel-cr17ni13mo3ti
NT5 steel-ni26cr15ti2movalb
NT6 alloy-a-286
NT3 magnet steel-ks
NT3 miduale
NT3 stainless steel-406
NT3 steel-cr10mo2
NT3 steel-cr12
NT4 stainless steel-403
NT3 steel-cr12moniv
NT3 steel-cr12mov
NT4 alloy-ht-9
NT3 steel-cr13
NT4 stainless steel-410
NT3 steel-cr13al
NT4 stainless steel-405
NT3 steel-cr16
NT4 stainless steel-430
NT3 steel-cr16ni
NT3 steel-cr17cu4ni4nb-l
NT4 stainless steel-17-4ph
NT3 steel-cr17mo
NT4 stainless steel-440
NT3 steel-cr17ni4mo3
NT3 steel-cr18
NT3 steel-cr25
NT4 stainless steel-446
NT3 steel-cr9mo
NT3 steel-cr9monbv
NT2 chromium-nickel steels
NT3 alloy-d-9
NT3 carpenter
NT3 chromium-nickel-molybdenum steels
NT4 alloy-m-813
NT4 steel-cr11ni10mo2ti-l
NT4 steel-cr15ni15motib
NT4 steel-cr16ni13monbv
NT4 steel-cr16ni15mo3nb
NT4 steel-cr16ni16monb
NT4 steel-cr16ni8mo2
NT5 stainless steel-16-8-2
NT4 steel-cr16ni9mo2
NT4 steel-cr17ni12mo3
NT5 stainless steel-316
NT4 steel-cr17ni12mo3-l
NT5 stainless steel-316l
NT5 stainless steel-zcnd17-13
NT4 steel-cr17ni12monb
NT4 steel-cr17ni13mo2ti
NT4 steel-cr17ni13mo3ti
NT4 steel-ni26cr15ti2movalb
NT5 alloy-a-286
NT3 durco
NT3 enduro
NT3 stainless steel-17-7ph
NT3 stainless steel-303
NT3 stainless steel-329
NT3 stainless steel-ph-15-7-mo
NT3 steel-cr17ni13
NT3 steel-cr17ni7
NT4 stainless steel-301
NT3 steel-cr18ni10
NT4 stainless steel-18-10
NT3 steel-cr18ni10-l
NT3 steel-cr18ni10ti
NT4 stainless steel-321
NT3 steel-cr18ni11
NT4 steel-x6crni1811
NT3 steel-cr18ni11nb
NT4 stainless steel-347
NT3 steel-cr18ni11nbco
NT4 stainless steel-348
NT3 steel-cr18ni12
NT4 stainless steel-305
NT3 steel-cr18ni12ti
NT3 steel-cr18ni8
NT4 stainless steel-18-8
NT3 steel-cr18ni9
NT4 stainless steel-302
NT3 steel-cr18ni9ti
NT3 steel-cr19ni10
NT4 stainless steel-304
NT3 steel-cr19ni10-l
NT4 stainless steel-304l
NT3 steel-cr20ni11
NT4 stainless steel-308
NT3 steel-cr20ni11-l
NT4 stainless steel-308l
NT3 steel-cr23ni14
NT4 stainless steel-309
NT4 stainless steel-309s
NT3 steel-cr23ni18
NT3 steel-cr25ni20
NT4 alloy-hk-40
NT4 stainless steel-310
NT3 steel-ni25cr20
NT4 stainless steel-20-25
NT3 steel-ni36cr12ti3al-l
NT3 timken alloys
NT2 low carbon-high alloy steels
NT3 steel-cr11ni10mo2ti-l
NT3 steel-cr17cu4ni4nb-l
NT4 stainless steel-17-4ph
NT3 steel-cr17ni12mo3-l
NT4 stainless steel-316l
NT4 stainless steel-zcnd17-13
NT3 steel-cr18ni10-l
NT3 steel-cr19ni10-l
NT4 stainless steel-304l
NT3 steel-cr20ni11-l
NT4 stainless steel-308l
NT3 steel-ni36cr12ti3al-l
NT2 stainless steel m-50
NT2 stainless steel-317
NT2 stainless steel-318
NT2 stainless steel-422
NT2 stainless steel-fv-548
NT2 stainless steel-jbk-75
NT2 steel-cr21mn9ni6
NT3 stainless steel-21-6-9
NT2 sweetalloy

high altitude (stratosphere)
Use stratosphere

HIGH-BETA PLASMA
(Plasma with Beta ratio of from 0.1 to 1.0.)
BT1 plasma
RT beta ratio

HIGH BTU GAS
INIS: Apr 2000; ETDE: Jan 1975
(Over 900 btu per cubic foot.)
UF *pipeline quality gas*
UF *sng*
UF *synthetic natural gas*
*BT1 fuel gas
RT crg processes
RT cs-r process
RT hygas process
RT kellogg process
RT sng plants
RT sng processes

HIGH ENERGY PHYSICS
(Use only for articles of a very broad nature such as an annual research program, etc.)
BT1 physics
RT nuclear physics

high energy radiotherapy
Use radiotherapy

high explosives
Use chemical explosives

high flux australian reactor
Use hifar reactor

high-flux australian reactor
Use hifar reactor

high flux engineering test reactor
Use hfetr reactor

high flux isotope reactor
Use hfir reactor

high flux neutron source facility
Use neutron source facilities

high flux reactor petten
Use hfr reactor

high-flux reactor petten
Use hfr reactor

HIGH FREQUENCY AMPLIFIERS
*BT1 amplifiers

HIGH-FREQUENCY DISCHARGES
UF *microwave discharges*
BT1 electric discharges
RT high-frequency heating
RT plasma production

HIGH-FREQUENCY HEATING
UF *drift pumping*
*BT1 plasma heating
NT1 ecr heating
NT1 icr heating
NT1 lower hybrid heating
NT1 magnetic-pumping heating
NT2 acoustic heating
NT2 collisional heating
NT2 transit-time magnetic pumping
RT high-frequency discharges

high frequency radiation
Use short wave radiation

high-frequency radiation
Use short wave radiation

HIGH-HEAD HYDROELECTRIC POWER PLANTS
INIS: Oct 1997; ETDE: Aug 1978
(Heads greater than 150 meters)
*BT1 hydroelectric power plants

HIGH INCOME GROUPS
INIS: Apr 2000; ETDE: Oct 1978
*BT1 minority groups
RT income
RT income distribution
RT low income groups
RT socio-economic factors

HIGH-LEVEL RADIOACTIVE WASTES
INIS: May 1978; ETDE: Jan 1978
(Wastes containing more than 100 microcuries/milliliter of radioactivity.)
*BT1 radioactive wastes
RT ceramic melters
RT gorleben salt dome
RT intermediate-level radioactive wastes
RT low-level radioactive wastes
RT monitored retrievable storage
RT nuclear waste policy acts
RT pamela plant
RT us mrs project
RT wipp

high performance demonstration experiment
Use mhd generator aedc

high pressure
Use pressure range mega pa 10-100

HIGH PRESSURE COOLANT INJECTION
INIS: Jan 1979; ETDE: Jan 1975
UF *hpci*
*BT1 eccs
RT reactor safety

HIGH-PURITY GE DETECTORS
INIS: Dec 1975; ETDE: Jan 1976
UF *ge detectors (high-purity)*
*BT1 ge semiconductor detectors

HIGH SEAS
INIS: Dec 1976; ETDE: Aug 1994
RT fishery laws
RT maritime laws
RT seas
RT territorial waters

HIGH SPIN STATES
BT1 energy levels
RT backbending
RT spin

high-sulfur crude oil
Use sour crudes

HIGH-TC SUPERCONDUCTORS
INIS: Aug 1990; ETDE: Mar 1990
(Superconductors having critical temperature greater than 30 degrees Kelvin.)
*BT1 type-ii superconductors
RT chalcogenides
RT hubbard model
RT kosterlitz-thouless theory
RT superconductivity

high temperature
Use temperature range 0400-1000 k

HIGH-TEMPERATURE FUEL CELLS
INIS: Feb 1992; ETDE: Jan 1975
*BT1 fuel cells
NT1 molten carbonate fuel cells
NT1 solid oxide fuel cells

high temperature gas cooled and graphite moderated reactors
Use htgr type reactors

high temperature lattice test reactor
Use htltr reactor

high temperature test reactor
Use httr reactor

high-temperature winkler process
Use htw process

high vacuum
See pressure range micro pa
OR pressure range milli pa

high voltage alternating current systems
Use hvac systems

high voltage direct current systems
Use hvdc systems

HIGH-VOLTAGE PULSE GENERATORS
*BT1 pulse generators
NT1 marx generators

highland uranium mill
Use feed materials plants

HIGHLY ENRICHED URANIUM
(80 - 100 per cent.)
*BT1 enriched uranium

highways
Use roads

HILACS
UF *heavy ion linear accelerators*
*BT1 heavy ion accelerators
*BT1 linear accelerators
NT1 atlas superconducting linac
NT1 superhilac
RT heavy ion reactions
RT heavy ions

HILBERT SPACE
*BT1 banach space

HILBERT TRANSFORMATION
*BT1 integral transformations

HILL EQUATION
*BT1 differential equations

HILL-WHEELER THEORY
RT collective model
RT nuclear models

HIMAC ACCELERATOR
INIS: Oct 1993; ETDE: Oct 1993
(Heavy Ion Medical ACcelerator, Chiba, Japan.)
*BT1 heavy ion accelerators
*BT1 synchrotrons

HIMALAYAS
INIS: Nov 1977; ETDE: Nov 1977
BT1 mountains

HINKLEY POINT-A REACTOR
(Hinkley Point, Somerset, UK)
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 thermal reactors

HINKLEY POINT-B REACTOR
(Hinkley Point, Somerset, UK)
*BT1 agr type reactors
*BT1 carbon dioxide cooled reactors
*BT1 power reactors
*BT1 thermal reactors

HIPERCO
INIS: Apr 2000; ETDE: Dec 1974
*BT1 cobalt alloys
*BT1 iron base alloys

HIPPOCAMPUS
INIS: Feb 1982; ETDE: Feb 1982
*BT1 brain
RT receptors

HIPPURAN
UF *iodohippurate*
UF *iodohippurate-na*
UF *n-o-iodobenzoylaminoacetate*
UF *orthoiodohippurate*
UF *sodium iodohippurate*
UF *sodium n-o-iodobenzoylaminoacetate*
UF *sodium orthoiodohippurate*
BT1 contrast media
RT hippuric acid

HIPPURIC ACID
UF *benzoylaminoacetic acid*
UF *benzoylglycine*
UF *benzoylglycocoll*
*BT1 amino acids
RT glycine
RT hippuran

hipure process
Use desulfurization

hirfl
Use hirfl cyclotron

HIRFL CYCLOTRON
INIS: Jun 1983; ETDE: Jul 1983
(Heavy Ion Research Facility, Lanzhou, China.)
UF *heavy ion research facility lanzhou cyclotron*
UF *hirfl*
UF *lanzhou cyclotron*
*BT1 heavy ion accelerators
*BT1 isochronous cyclotrons

hirohax process
Use desulfurization

HIROSHIMA
*BT1 japan
RT a-bomb survivors
RT little boy
RT nuclear explosions
RT nuclear weapons

HISPANIC AMERICANS
INIS: Apr 2000; ETDE: Jan 1982
UF *american hispanics*
*BT1 minority groups
RT sociology

HISPANIOLA
INIS: Jun 1992; ETDE: Feb 1980
*BT1 greater antilles
NT1 dominican republic
NT1 haiti

histaminase
Use amine oxidases

HISTAMINE
*BT1 amines
*BT1 imidazoles
RT allergy
RT antihistaminics
RT capillaries

HISTIDINE
*BT1 amino acids
*BT1 heterocyclic acids
*BT1 imidazoles

HISTOCOMPATIBILITY COMPLEX
INIS: Apr 2000; ETDE: Apr 1988
BT1 antigens
RT graft-host reaction
RT immune system diseases
RT immunosuppression
RT lymphocytes

HISTOLOGICAL TECHNIQUES
INIS: Oct 1975; ETDE: Dec 1975
RT animal tissues
RT histology
RT microscopy
RT stains

HISTOLOGY
RT animal tissues
RT histological techniques
RT microscopy

HISTONES
*BT1 proteins
RT nucleoproteins
RT nucleosomes

HISTORICAL ASPECTS
INIS: Jun 1983; ETDE: Jul 1983
(For documents concerning the history of scientific and technical activities.)
RT archaeology
RT cultural objects
RT research programs
RT sociology

HITACHI COMPUTERS
INIS: Aug 1992; ETDE: Feb 1986
BT1 computers

hitachi training reactor
Use htr reactor

hitachi zosen process
See air pollution control
OR denitrification

HITREX-1 REACTOR
INIS: Feb 1977; ETDE: Apr 1977
*BT1 graphite moderated reactors
*BT1 thermal reactors
*BT1 zero power reactors

hitrex-2 reactor
Use zero power reactors

hk 40
Use steel-cr25ni20

HL-1 TOKAMAK
INIS: Dec 1989; ETDE: Jan 1990
(Southwestern Institute of Physics, Leshan, Sichuan, China.)
*BT1 tokamak devices

HL-1M TOKAMAK
INIS: Sep 1998; ETDE: Sep 1998
(Southwestern Institute of Physics, Leshan, Sichuan, China)
*BT1 tokamak devices

HL-2 TOKAMAK
INIS: Mar 1997; ETDE: Mar 1997
(Southwestern Institute of Physics, Leshan, Sichuan, China.)
*BT1 tokamak devices

HL-2A TOKAMAK
Jan 2003
(Southwestern Institute of Physics, Leshan, Sichuan, China)
*BT1 tokamak devices

hmdta
Use amino acids
AND chelating agents

HNPF REACTOR
UF *hallam nuclear power facility*
*BT1 enriched uranium reactors
*BT1 graphite moderated reactors
*BT1 power reactors
*BT1 sodium cooled reactors
*BT1 thermal reactors

ho2
Use hydroperoxy radicals

HODGKINS DISEASE
UF *lymphogranuloma malignum*
UF *lymphogranulomatosis*
*BT1 lymphomas

HODOSCOPES
RT counting techniques
RT telescope counters

hoelter process
Use desulfurization

hoffman process
Use coal gasification

hog fuel
Use wood wastes

hoger onderwijs reactor
Use hor reactor

hoisting
Use materials handling

HOISTS
INIS: Apr 1984; ETDE: Jan 1975
(Until July 1999 this information was indexed by CRANES.)
*BT1 materials handling equipment
RT cranes
RT grabs
RT materials handling
RT winches

HOKURIKU-1 REACTOR
INIS: Apr 2000; ETDE: Dec 1974
*BT1 power reactors

HOLE MOBILITY
BT1 mobility

HOLES
(Absence of electrons from otherwise filled electron bands; see also BLACK HOLES, CAVITIES, OPENINGS, BOREHOLES, and VOIDS.)
UF *electron holes*
RT charge carriers
RT electron-hole coupling
RT electron-hole droplets
RT point defects
RT quasi particles
RT trapping
RT traps

holifield heavy ion research facility
Use hhirf accelerator

HOLLANDITE
INIS: Sep 1981; ETDE: Jun 1981
*BT1 oxide minerals
RT aluminium oxides
RT barium oxides
RT synroc process
RT titanium oxides

HOLLOW CATHODES
*BT1 cathodes

HOLLOW FUEL RODS
*BT1 fuel rods

holly event
Use nuclear explosions
AND surface explosions

HOLMES-STRETFORD PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process for removal of sulfur compounds from fuel gas manufactured from coal.)
*BT1 desulfurization

HOLMIUM
*BT1 rare earths

HOLMIUM 141
INIS: Mar 2001; ETDE: Nov 1999
BT1 holmium isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 proton decay radioisotopes
*BT1 rare earth nuclei

HOLMIUM 144
INIS: Feb 1987; ETDE: May 1987
BT1 holmium isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

HOLMIUM 145
INIS: Apr 1988; ETDE: May 1988
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

HOLMIUM 146
INIS: Sep 1981; ETDE: Sep 1981
*BT1 beta-plus decay radioisotopes
BT1 holmium isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

HOLMIUM 147
INIS: Jun 1982; ETDE: Jun 1982
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

HOLMIUM 148
INIS: Sep 1979; ETDE: Apr 1979
*BT1 beta-plus decay radioisotopes
BT1 holmium isotopes
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

HOLMIUM 149
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

HOLMIUM 150
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

HOLMIUM 151
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

HOLMIUM 152
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

HOLMIUM 153
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

HOLMIUM 154
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

HOLMIUM 155
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

HOLMIUM 156
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

HOLMIUM 157
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

HOLMIUM 158
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

HOLMIUM 159
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

HOLMIUM 160
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

HOLMIUM 161
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

HOLMIUM 162
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

HOLMIUM 163
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
*BT1 years living radioisotopes

HOLMIUM 164
*BT1 beta-minus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 holmium isotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

HOLMIUM 165
BT1 holmium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

HOLMIUM 165 REACTIONS
INIS: Sep 1983; ETDE: Jul 1982
*BT1 heavy ion reactions

HOLMIUM 165 TARGET
BT1 targets

HOLMIUM 166
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
BT1 holmium isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 years living radioisotopes

HOLMIUM 167
*BT1 beta-minus decay radioisotopes
BT1 holmium isotopes
*BT1 hours living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

HOLMIUM 168
*BT1 beta-minus decay radioisotopes
BT1 holmium isotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

HOLMIUM 169
*BT1 beta-minus decay radioisotopes
BT1 holmium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

HOLMIUM 170
*BT1 beta-minus decay radioisotopes
BT1 holmium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

HOLMIUM 171
INIS: Mar 1988; ETDE: Apr 1988
*BT1 beta-minus decay radioisotopes
BT1 holmium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

HOLMIUM 172
INIS: Dec 1990; ETDE: Jan 1991
*BT1 beta-minus decay radioisotopes
BT1 holmium isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

HOLMIUM ADDITIONS
(Alloys containing not more than 1% Ho are listed here.)
*BT1 holmium alloys
*BT1 rare earth additions

HOLMIUM ALLOYS
(Alloys containing more than 1% Ho.)
*BT1 rare earth alloys
NT1 holmium additions
NT1 holmium base alloys

HOLMIUM BASE ALLOYS
*BT1 holmium alloys

HOLMIUM BORIDES
*BT1 borides
*BT1 holmium compounds

HOLMIUM BROMIDES
*BT1 bromides
*BT1 holmium compounds

HOLMIUM CARBIDES
*BT1 carbides
*BT1 holmium compounds

HOLMIUM CARBONATES
INIS: Apr 2000; ETDE: May 1989
*BT1 carbonates
*BT1 holmium compounds

HOLMIUM CHLORIDES
*BT1 chlorides
*BT1 holmium compounds

HOLMIUM COMPLEXES
*BT1 rare earth complexes

HOLMIUM COMPOUNDS
BT1 rare earth compounds
NT1 holmium borides
NT1 holmium bromides
NT1 holmium carbides
NT1 holmium carbonates
NT1 holmium chlorides
NT1 holmium fluorides
NT1 holmium hydrides
NT1 holmium hydroxides
NT1 holmium iodides
NT1 holmium nitrates
NT1 holmium nitrides
NT1 holmium oxides
NT1 holmium perchlorates
NT1 holmium phosphates
NT1 holmium phosphides
NT1 holmium selenides
NT1 holmium silicates
NT1 holmium silicides
NT1 holmium sulfates
NT1 holmium sulfides
NT1 holmium tellurides

HOLMIUM FLUORIDES
*BT1 fluorides
*BT1 holmium compounds

HOLMIUM HYDRIDES
*BT1 holmium compounds
*BT1 hydrides

HOLMIUM HYDROXIDES
*BT1 holmium compounds
*BT1 hydroxides

HOLMIUM IODIDES
*BT1 holmium compounds
*BT1 iodides

HOLMIUM IONS
*BT1 ions

HOLMIUM ISOTOPES
NT1 holmium 141
NT1 holmium 144
NT1 holmium 145
NT1 holmium 146
NT1 holmium 147
NT1 holmium 148
NT1 holmium 149
NT1 holmium 150
NT1 holmium 151
NT1 holmium 152
NT1 holmium 153
NT1 holmium 154
NT1 holmium 155
NT1 holmium 156
NT1 holmium 157
NT1 holmium 158
NT1 holmium 159
NT1 holmium 160
NT1 holmium 161
NT1 holmium 162
NT1 holmium 163
NT1 holmium 164
NT1 holmium 165
NT1 holmium 166
NT1 holmium 167
NT1 holmium 168
NT1 holmium 169
NT1 holmium 170
NT1 holmium 171
NT1 holmium 172

HOLMIUM NITRATES
*BT1 holmium compounds
*BT1 nitrates

HOLMIUM NITRIDES
*BT1 holmium compounds
*BT1 nitrides

HOLMIUM OXIDES
*BT1 holmium compounds
*BT1 oxides

HOLMIUM PERCHLORATES
INIS: Apr 2000; ETDE: Oct 1975
*BT1 holmium compounds
*BT1 perchlorates

HOLMIUM PHOSPHATES
INIS: Oct 1975; ETDE: Oct 1975
*BT1 holmium compounds
*BT1 phosphates

HOLMIUM PHOSPHIDES
INIS: Jul 1978; ETDE: Apr 1977
*BT1 holmium compounds
*BT1 phosphides

HOLMIUM SELENIDES
INIS: Aug 1984; ETDE: Dec 1977
*BT1 holmium compounds
*BT1 selenides

HOLMIUM SILICATES
INIS: Jul 1990; ETDE: Dec 1982
*BT1 holmium compounds
*BT1 silicates

HOLMIUM SILICIDES
INIS: Oct 1975; ETDE: Dec 1975
*BT1 holmium compounds
*BT1 silicides

HOLMIUM SULFATES
*BT1 holmium compounds
*BT1 sulfates

HOLMIUM SULFIDES
*BT1 holmium compounds
*BT1 sulfides

HOLMIUM TELLURIDES
INIS: Feb 1988; ETDE: May 1978
*BT1 holmium compounds
*BT1 tellurides

holocene epoch
Use quaternary period

HOLOGRAPHY
RT photography

HOLTSMARK THEORY
RT plasma

holzheimer process
Use in-situ gasification
AND oil shales

HOMALITE
INIS: Sep 1979; ETDE: Mar 1979
(Brittle polyester used in photoelastic analysis of crack propagation in PWR pressure vessels under LOCA conditions.)
*BT1 polyesters
RT araldite
RT photoelasticity
RT stress analysis

HOME RANGE
INIS: Jan 1977; ETDE: May 1976
(The area to which the activities of an animal are confined.)
RT ecology
RT wild animals

HOMEOSTASIS
RT biological recovery
RT blood
RT blood-brain barrier
RT endocrine glands
RT hormones
RT hypothalamus
RT physiology
RT pituitary gland

HOMOCYSTEINE
*BT1 amino acids
RT cysteine

homocystine
Use amino acids

HOMOGENATES
RT animal cells
RT animal tissues
RT biological materials
RT in vitro
RT organs

HOMOGENEOUS CATALYSIS
INIS: Apr 1992; ETDE: Jul 1984
(Catalysis occurring within a single phase, usually a gas or liquid.)
BT1 catalysis

HOMOGENEOUS MIXTURES
*BT1 mixtures
NT1 solutions
NT2 aqueous solutions
NT2 fuel solutions
NT2 hypertonic solutions
NT2 isotonic solutions
NT2 leachates
NT2 process solutions
NT2 solid solutions

HOMOGENEOUS PLASMA
BT1 plasma

homogeneous reactor experiment 2
Use hre-2 reactor

HOMOGENEOUS REACTORS
BT1 reactors
NT1 fuel dispersion reactors
NT2 fluidized bed reactors
NT2 slurry reactors
NT1 gas fueled reactors
NT2 coaxial flow reactors
NT2 light bulb reactors
NT2 plasma core assembly
NT1 liquid homogeneous reactors
NT2 aqueous homogeneous reactors
NT3 ai-l-77 reactor
NT3 ber-2 reactor
NT3 byu l-77 reactor
NT3 cesnef reactor
NT3 dr-1 reactor
NT3 frf reactor
NT3 hre-2 reactor
NT3 jrr-1 reactor
NT3 kewb reactor
NT3 kstr reactor
NT3 ncscr-1 reactor
NT3 nevada university reactor
NT3 prnc-l-77 reactor
NT3 supo reactor
NT3 wrrr reactor
NT1 solid homogeneous reactors
NT2 acpr reactor
NT2 aerojet-general nucleonics reactors
NT2 akr-1 reactor
NT2 anex reactor
NT2 ebor reactor
NT2 nsrr reactor
NT2 pebble bed reactors
NT3 avr reactor
NT3 thtr-300 reactor
NT3 vg-400 reactor
NT3 vgr-50 reactor
NT2 romashka reactor
NT2 shca reactor
NT2 sur-100 series reactor
NT2 treat reactor
NT2 triga type reactors
NT3 afrri reactor
NT3 atpr reactor
NT3 colorado triga-mk-3 reactor
NT3 cornell triga-mk-2 reactor
NT3 dow triga-mk-1 reactor
NT3 fir-1 reactor
NT3 frf-2 reactor
NT3 frn reactor
NT3 gulf triga-mk-3 reactor
NT3 kartini-ppny reactor
NT3 lopra reactor
NT3 nscr reactor
NT3 ostr reactor
NT3 prpr reactor
NT3 pstr reactor
NT3 rtp reactor
NT3 trico reactor
NT3 triga-1-arizona reactor
NT3 triga-1-california reactor
NT3 triga-1-hanford reactor
NT3 triga-1-hanover reactor
NT3 triga-1-heidelberg reactor
NT3 triga-1-michigan reactor
NT3 triga-2 reactor
NT3 triga-2-bandung reactor
NT3 triga-2-bangladesh reactor
NT3 triga-2-dalat reactor
NT3 triga-2-illinois reactor
NT3 triga-2-kansas reactor
NT3 triga-2-ljubljana reactor
NT3 triga-2-mainz reactor
NT3 triga-2-musashi reactor
NT3 triga-2-pavia reactor
NT3 triga-2-pitesti reactor
NT3 triga-2-rikkyo reactor
NT3 triga-2-rome reactor
NT3 triga-2-seoul reactor
NT3 triga-2-vienna reactor
NT3 triga-3-la jolla reactor
NT3 triga-3-munich reactor
NT3 triga-3-salazar reactor
NT3 triga-3-seoul reactor
NT3 triga-brazil reactor
NT3 triga-texas reactor
NT3 triga-veterans reactor
NT3 ucbrr reactor
NT3 uwnr reactor
NT3 wsur reactor

HOMOGENIZATION METHODS
INIS: Jun 1981; ETDE: Aug 1981
(Methods in which the heterogeneities of the reactor core must be considered in separate calculations in which the equivalent homogenized parameters are produced for use in subsequent calculations of the overall flux distribution in the reactor.)
BT1 calculation methods
RT heterogeneous effects
RT neutron diffusion equation
RT neutron flux
RT neutron transport theory
RT reactor lattice parameters

HOMOJUNCTIONS
INIS: Apr 2000; ETDE: Jul 1981
BT1 semiconductor junctions
RT heterojunctions

HOMOPOLAR GENERATORS
INIS: Apr 1984; ETDE: May 1981
(D-C generators in which the poles presented to the armature are all of the same polarity.)
UF *homopolar machines*
*BT1 electric generators
RT direct current

homopolar machines
Use homopolar generators

homozygotes
Use hybridization

HONDURAS
*BT1 central america
BT1 developing countries

HONEY
BT1 food

HONEYCOMB STRUCTURES
INIS: Mar 1993; ETDE: Jan 1976
BT1 mechanical structures
RT solar collectors

honeylocust trees
Use leguminosae
AND trees

HONEYWELL COMPUTERS
BT1 computers

HONG KONG
BT1 asia

HONING
BT1 machining
RT grinding

HOOKE LAW
RT elasticity
RT poisson ratio
RT young modulus

HOOKWORM
(From 1974 till March 1997 NIPPOSTRONGYLUS was a valid ETDE descriptor.)
UF *nippostrongylus*
*BT1 nematodes
RT parasites
RT parasitic diseases

HOPE CREEK-1 REACTOR
(Salem, New Jersey, USA. Prior to November 1973 known as NEWBOLD ISLAND-1 REACTOR for the initially planned site, and older material is so indexed.)
*BT1 bwr type reactors
NT1 newbold island-1 reactor

HOPE CREEK-2 REACTOR
(Salem, New Jersey, USA. Prior to November 1973 known as NEWBOLD ISLAND-2 REACTOR for the initially planned site, and older material is so indexed.)
*BT1 bwr type reactors
NT1 newbold island-2 reactor

HOPPERS
INIS: Apr 2000; ETDE: Mar 1977
UF *bunkers*
BT1 containers

HOR REACTOR
(Interuniversitair Reactor Instituut/ Technische Hogeschool Delft, Delft, Netherlands)
UF *delft hoger onderwijs reactor*
UF *hoger onderwijs reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

HORACE REACTOR
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 zero power reactors

hordeum
Use barley

HORIZONTAL AXIS TURBINES
INIS: Sep 1992; ETDE: Aug 1985
*BT1 wind turbines
RT diffuser augmented turbines
RT tipvane rotors
RT vortex augmented turbines

horizontal concentration
Use horizontal integration

horizontal diversification
Use horizontal integration

HORIZONTAL DIVESTITURE
INIS: Apr 2000; ETDE: Sep 1977
- *RT* petroleum industry
- *RT* regulations

HORIZONTAL INTEGRATION
INIS: Sep 1988; ETDE: Apr 1979
- UF *horizontal concentration*
- UF *horizontal diversification*
- *RT* competition
- *RT* industry
- *RT* petroleum industry

hormone antagonists
Use drugs

HORMONES
- **NT1** adrenal hormones
  - **NT2** adrenaline
  - **NT2** corticosteroids
    - **NT3** glucocorticoids
      - **NT4** corticosterone
      - **NT4** cortisone
      - **NT4** dexamethasone
      - **NT4** hydrocortisone
      - **NT4** prednisolone
      - **NT4** prednisone
    - **NT3** mineralocorticoids
      - **NT4** aldosterone
  - **NT2** noradrenaline
- **NT1** peptide hormones
  - **NT2** calcitonin
  - **NT2** erythropoietin
  - **NT2** gastrin
  - **NT2** glucagon
  - **NT2** insulin
  - **NT2** leptin
  - **NT2** parathormone
  - **NT2** pituitary hormones
    - **NT3** acth
    - **NT3** gonadotropins
      - **NT4** fsh
      - **NT4** hcg
      - **NT4** lh
      - **NT4** lth
    - **NT3** liberins
      - **NT4** lh-rh
    - **NT3** oxytocin
    - **NT3** sth
    - **NT3** tsh
    - **NT3** vasopressin
  - **NT2** secretin
  - **NT2** thyroid hormones
    - **NT3** diiodothyronine
    - **NT3** thyrocalcitonin
    - **NT3** thyroxine
    - **NT3** triiodothyronine
  - **NT2** thyronine
  - **NT2** trh
- **NT1** steroid hormones
  - **NT2** androgens
    - **NT3** androstenedione
    - **NT3** androsterone
    - **NT3** hydroxyandrostenone
    - **NT3** testosterone
  - **NT2** corticosteroids
    - **NT3** glucocorticoids
      - **NT4** corticosterone
      - **NT4** cortisone
      - **NT4** dexamethasone
      - **NT4** hydrocortisone
      - **NT4** prednisolone
      - **NT4** prednisone
    - **NT3** mineralocorticoids
      - **NT4** aldosterone
  - **NT2** estrogens
    - **NT3** estradiol
    - **NT3** estriol
    - **NT3** estrone
  - **NT2** progesterone
  - *RT* abscisic acid
  - *RT* biochemistry
  - *RT* endocrine diseases
  - *RT* endocrine glands
  - *RT* homeostasis
  - *RT* intrinsic factor
  - *RT* physiology
  - *RT* prostaglandins
  - *RT* receptors
  - *RT* somatostatin
  - *RT* steroids
  - *RT* stimulation

HORNBLENDE
- *BT1 amphibole
- *RT* granites
- *RT* peridotites

hornfelses
Use metamorphic rocks

HORSES
- *BT1 mammals

HORTICULTURE
INIS: Feb 1992; ETDE: Oct 1980
(The science of growing fruits, vegetables, flowers and ornamental plants.)
- BT1 agriculture
- *RT* gardening
- *RT* greenhouses
- *RT* harvesting

HOSE INSTABILITY
- UF *firehose instability*
- UF *gardenhose instability*
- *BT1 plasma microinstabilities

HOSES
INIS: Apr 2000; ETDE: Jan 1976
- BT1 tubes

HOSKINS 875
INIS: Apr 2000; ETDE: Jan 1975
- *BT1 aluminium alloys
- *BT1 chromium alloys
- *BT1 iron base alloys

HOSPITALS
- BT1 buildings
- BT1 medical establishments
- *RT* health services
- *RT* medicine
- *RT* public buildings

HOST
- *RT* fungal diseases
- *RT* graft-host reaction
- *RT* parasitic diseases
- *RT* rickettsial diseases
- *RT* transplants
- *RT* viral diseases

HOST-CELL REACTIVATION
- *BT1 biological repair
- *RT* bacteria
- *RT* bacteriophages
- *RT* chemical radiation effects
- *RT* dna
- *RT* radiation injuries

HOT ATOM CHEMISTRY
(Chemical reactions of atoms or ions of high kinetic energies (more than 1 ev) resulting from nuclear transformations.)
- UF *chemical effects of nuclear transformations*
- UF *recoil chemistry*
- *BT1 radiochemistry
- **NT1** szilard-chalmers reaction
- *RT* nuclear reactions
- *RT* recoils
- *RT* retention
- *RT* scavenging
- *RT* valence

HOT CELLS
(Shielded chambers for remote handling of radioactive materials.)
- *BT1 laboratory equipment
- *RT* gloveboxes
- *RT* hot labs
- *RT* manipulators
- *RT* periscopes
- *RT* radiation protection
- *RT* remote handling
- *RT* remote handling equipment
- *RT* remote viewing equipment
- *RT* shielding

HOT CHANNEL
- *RT* fuel channels
- *RT* hot channel factor
- *RT* reactor cooling systems

HOT CHANNEL FACTOR
- *RT* hot channel
- *RT* reactor safety

HOT DIPPING
- *BT1 dip coating

HOT-DRY-ROCK SYSTEMS
INIS: Sep 1992; ETDE: Jan 1975
- UF *impermeable dry rock*
- BT1 energy systems
- BT1 geothermal systems
- *RT* hydraulic fractures

hot enriched carbon moderated thermal oscillator reactor
Use hector reactor

hot experimental facility
Use hef

hot experimental reactor zero energy
Use hero reactor

HOT GAS CLEANUP
INIS: Jan 1993; ETDE: Apr 1978
- BT1 purification
- *RT* acoustic agglomerators
- *RT* coal gasification
- *RT* combined-cycle power plants
- *RT* desulfurization
- *RT* electrostatic precipitators
- *RT* filters
- *RT* filtration
- *RT* fuel gas

hot isostatic pressing
Use hot pressing

HOT LABS
- UF *radiochemical laboratories*
- BT1 laboratories
- BT1 nuclear facilities
- *RT* hot cells
- *RT* laboratory equipment
- *RT* manipulators
- *RT* periscopes
- *RT* radiation hazards
- *RT* radiation protection
- *RT* radioactivity
- *RT* remote handling

HOT NUCLEI
INIS: Apr 1994; ETDE: Apr 1994
(Nuclei with temperatures exceeding 4 MeV.)
BT1 nuclei

HOT PLASMA
BT1 plasma

HOT PRESSING
UF *hot isostatic pressing*
*BT1 pressing
RT hot working

HOT SPOT FACTOR
RT hot spots
RT reactor safety

HOT SPOTS
RT burnout
RT dryout
RT fuel cans
RT heat transfer
RT hot spot factor
RT reactor cooling systems
RT rewetting
RT volcanoes

hot spots (biological)
Use biological hot spots

HOT SPRINGS
INIS: Dec 1975; ETDE: Jan 1975
(Springs whose temperature is above that of the human body.)
SF *geothermal springs*
SF *thermal waters*
*BT1 thermal springs
NT1 geysers
RT hydrothermal systems
RT mineral springs

HOT WATER
INIS: Nov 1981; ETDE: Oct 1978
*BT1 water
RT district heating
RT water heating

hot water heaters
Use water heaters

HOT-WATER PROCESSES
INIS: Apr 2000; ETDE: Jan 1975
(Processes used primarily in processing of oil (tar) sands to separate tar from sand.)
BT1 fluid injection processes
RT oil sands
RT oil shales

hot-water systems
Use geothermal hot-water systems

HOT WIRE ANEMOMETERS
*BT1 anemometers

HOT-WIRE GAGES
*BT1 pressure gages
NT1 pirani gages

HOT WORKING
*BT1 materials working
RT extrusion
RT forging
RT hot pressing
RT rolling

HOTELS
INIS: Apr 2000; ETDE: Dec 1979
UF *inns*
UF *motels*
UF *motor inns*
*BT1 commercial buildings
RT residential buildings
RT tourism

hough-powell devices
Use flying spot digitizers

HOURLY VARIATIONS
INIS: Jul 1981; ETDE: Mar 1980
(Variations from hour to hour.)
BT1 variations

HOURS LIVING RADIOISOTOPES
*BT1 radioisotopes
NT1 actinium 224
NT1 actinium 228
NT1 actinium 229
NT1 americium 237
NT1 americium 238
NT1 americium 239
NT1 americium 242
NT1 americium 244
NT1 americium 245
NT1 antimony 116
NT1 antimony 117
NT1 antimony 118
NT1 antimony 128
NT1 antimony 129
NT1 argon 41
NT1 arsenic 78
NT1 astatine 207
NT1 astatine 208
NT1 astatine 209
NT1 astatine 210
NT1 astatine 211
NT1 barium 126
NT1 barium 129
NT1 barium 139
NT1 berkelium 243
NT1 berkelium 244
NT1 berkelium 248
NT1 berkelium 250
NT1 bismuth 201
NT1 bismuth 202
NT1 bismuth 203
NT1 bismuth 204
NT1 bismuth 212
NT1 bromine 75
NT1 bromine 76
NT1 bromine 80
NT1 bromine 83
NT1 cadmium 107
NT1 cadmium 117
NT1 californium 247
NT1 californium 255
NT1 cerium 132
NT1 cerium 133
NT1 cerium 135
NT1 cerium 137
NT1 cesium 127
NT1 cesium 134
NT1 chromium 48
NT1 cobalt 55
NT1 cobalt 58
NT1 cobalt 61
NT1 copper 61
NT1 copper 64
NT1 curium 238
NT1 curium 239
NT1 curium 249
NT1 dysprosium 152
NT1 dysprosium 153
NT1 dysprosium 155
NT1 dysprosium 157
NT1 dysprosium 165
NT1 einsteinium 249
NT1 einsteinium 250
NT1 einsteinium 256
NT1 erbium 158
NT1 erbium 161
NT1 erbium 163
NT1 erbium 165
NT1 erbium 171
NT1 europium 150
NT1 europium 152
NT1 europium 157
NT1 fermium 251
NT1 fermium 254
NT1 fermium 255
NT1 fermium 256
NT1 fluorine 18
NT1 gadolinium 159
NT1 gallium 66
NT1 gallium 68
NT1 gallium 72
NT1 gallium 73
NT1 germanium 66
NT1 germanium 75
NT1 germanium 77
NT1 germanium 78
NT1 gold 191
NT1 gold 192
NT1 gold 193
NT1 gold 196
NT1 gold 200
NT1 hafnium 170
NT1 hafnium 171
NT1 hafnium 173
NT1 hafnium 180
NT1 hafnium 182
NT1 hafnium 183
NT1 hafnium 184
NT1 holmium 160
NT1 holmium 161
NT1 holmium 162
NT1 holmium 167
NT1 indium 109
NT1 indium 110
NT1 indium 113
NT1 indium 115
NT1 indium 117
NT1 iodine 120
NT1 iodine 121
NT1 iodine 123
NT1 iodine 130
NT1 iodine 132
NT1 iodine 133
NT1 iodine 135
NT1 iridium 184
NT1 iridium 185
NT1 iridium 186
NT1 iridium 187
NT1 iridium 190
NT1 iridium 194
NT1 iridium 195
NT1 iridium 196
NT1 iron 52
NT1 krypton 76
NT1 krypton 77
NT1 krypton 83
NT1 krypton 85
NT1 krypton 87
NT1 krypton 88
NT1 lanthanum 132
NT1 lanthanum 133
NT1 lanthanum 135
NT1 lanthanum 141
NT1 lanthanum 142
NT1 lead 198
NT1 lead 199
NT1 lead 200
NT1 lead 201
NT1 lead 202
NT1 lead 204
NT1 lead 209
NT1 lead 212
NT1 lutetium 176
NT1 lutetium 179
NT1 magnesium 28

NT1 manganese 56
NT1 mendelevium 256
NT1 mendelevium 257
NT1 mendelevium 259
NT1 mercury 192
NT1 mercury 193
NT1 mercury 195
NT1 mercury 197
NT1 molybdenum 90
NT1 molybdenum 93
NT1 neodymium 138
NT1 neodymium 139
NT1 neodymium 141
NT1 neodymium 149
NT1 neptunium 236
NT1 neptunium 240
NT1 nickel 65
NT1 niobium 89
NT1 niobium 90
NT1 niobium 96
NT1 niobium 97
NT1 osmium 181
NT1 osmium 182
NT1 osmium 183
NT1 osmium 189
NT1 osmium 191
NT1 palladium 101
NT1 palladium 109
NT1 palladium 111
NT1 palladium 112
NT1 platinum 185
NT1 platinum 186
NT1 platinum 187
NT1 platinum 189
NT1 platinum 197
NT1 platinum 200
NT1 plutonium 234
NT1 plutonium 243
NT1 plutonium 245
NT1 polonium 204
NT1 polonium 205
NT1 polonium 207
NT1 potassium 42
NT1 potassium 43
NT1 praseodymium 137
NT1 praseodymium 138
NT1 praseodymium 139
NT1 praseodymium 142
NT1 praseodymium 145
NT1 promethium 150
NT1 protactinium 228
NT1 protactinium 234
NT1 radium 230
NT1 radon 210
NT1 radon 211
NT1 radon 224
NT1 rhenium 181
NT1 rhenium 182
NT1 rhenium 188
NT1 rhenium 190
NT1 rhodium 100
NT1 rhodium 106
NT1 rhodium 99
NT1 rubidium 81
NT1 rubidium 82
NT1 ruthenium 105
NT1 ruthenium 95
NT1 samarium 142
NT1 samarium 156
NT1 scandium 43
NT1 scandium 44
NT1 selenium 73
NT1 silicon 31
NT1 silver 103
NT1 silver 104
NT1 silver 112
NT1 silver 113
NT1 sodium 24
NT1 strontium 80
NT1 strontium 85
NT1 strontium 87
NT1 strontium 91
NT1 strontium 92
NT1 sulfur 38
NT1 tantalum 173
NT1 tantalum 174
NT1 tantalum 175
NT1 tantalum 176
NT1 tantalum 178
NT1 tantalum 180
NT1 tantalum 184
NT1 technetium 93
NT1 technetium 94
NT1 technetium 95
NT1 technetium 99
NT1 tellurium 116
NT1 tellurium 117
NT1 tellurium 119
NT1 tellurium 127
NT1 tellurium 129
NT1 terbium 147
NT1 terbium 148
NT1 terbium 149
NT1 terbium 150
NT1 terbium 151
NT1 terbium 152
NT1 terbium 154
NT1 terbium 156
NT1 thallium 195
NT1 thallium 196
NT1 thallium 197
NT1 thallium 198
NT1 thallium 199
NT1 thulium 163
NT1 thulium 166
NT1 thulium 173
NT1 tin 110
NT1 tin 127
NT1 titanium 45
NT1 tungsten 176
NT1 tungsten 177
NT1 uranium 240
NT1 xenon 122
NT1 xenon 123
NT1 xenon 125
NT1 xenon 135
NT1 ytterbium 164
NT1 ytterbium 177
NT1 ytterbium 178
NT1 yttrium 85
NT1 yttrium 86
NT1 yttrium 87
NT1 yttrium 90
NT1 yttrium 92
NT1 yttrium 93
NT1 zinc 62
NT1 zinc 69
NT1 zinc 71
NT1 zirconium 86
NT1 zirconium 87
NT1 zirconium 97
RT half-life
RT lifetime

HOUSEHOLDS

INIS: Oct 1992; ETDE: Dec 1979
(Social unit comprised of those living together in the same house, apartment or other dwelling.)
RT apartment buildings
RT houses
RT mobile homes
RT residential buildings
RT residential sector
RT sectoral analysis

HOUSES

INIS: Jul 1985; ETDE: Jan 1975
UF *residences*
*BT1 residential buildings
RT households
RT mobile homes

hovercraft

Use air cushion vehicles

HP COMPUTERS

UF *hewlett-packard computers*
BT1 computers

hpci

Use high pressure coolant injection

hpd devices

Use flying spot digitizers

hpde

Use mhd generator aedc

HPL

UF *human placental lactogen*
BT1 lactogens
RT placenta
RT pregnancy
RT sth

HPRR REACTOR

(Oak Ridge National Lab., Oak Ridge, Tennessee, USA)
UF *health physics research reactor*
*BT1 air cooled reactors
*BT1 enriched uranium reactors
*BT1 fast reactors
*BT1 pulsed reactors
*BT1 research reactors

HRE-2 REACTOR

INIS: Apr 2000; ETDE: Dec 1974
UF *homogeneous reactor experiment 2*
*BT1 aqueous homogeneous reactors
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 heavy water moderated reactors
*BT1 power reactors
*BT1 research reactors
*BT1 test reactors

hsa

Use albumins
AND blood serum

HSK PROCEDURE

UF *hylleraas-scherr-knight procedure*
BT1 perturbation theory
*BT1 variational methods
RT electronic structure
RT quantum mechanics

HSX STELLARATOR

INIS: Jan 1999; ETDE: Nov 1999
(Helical Symmetry Experiment, University of Wisconsin, USA.)
*BT1 heliac stellarators

HT-2 TOKAMAK

INIS: Jul 1999; ETDE: Sep 1999
(Hitachi Tokamak, Ibaraki, Japan.)
*BT1 tokamak devices

HT-6B TOKAMAK

INIS: Dec 1989; ETDE: Jan 1990
(Academia Sinica, Hefei, Anhui, China.)
*BT1 tokamak devices

HT-6M TOKAMAK
INIS: Dec 1989; ETDE: Jan 1990
(Academia Sinica, Hefei, Anhui, China.)
*BT1 tokamak devices

HT-7 TOKAMAK
INIS: Jan 1998; ETDE: Feb 1998
(Academia Sinica, Hefei, Anhui, China)
*BT1 tokamak devices

HT-7U TOKAMAK
May 2003
(Academia Sinica, Hefei, Anhui, China)
*BT1 tokamak devices

htgr peach bottom reactor
Use peach bottom-1 reactor

HTGR TYPE REACTORS
UF *high temperature gas cooled and graphite moderated reactors*
*BT1 gas cooled reactors
*BT1 graphite moderated reactors
NT1 avr reactor
NT1 dragon reactor
NT1 fulton-1 reactor
NT1 fulton-2 reactor
NT1 ga standard reactor
NT1 htr-10 reactor
NT1 httr reactor
NT1 kahter reactor
NT1 peach bottom-1 reactor
NT1 schmehausen-2 reactor
NT1 summit-1 reactor
NT1 summit-2 reactor
NT1 thtr-300 reactor
NT1 vg-400 reactor
NT1 vgr-50 reactor
NT1 vhtr reactor
NT1 vidal-1 reactor
NT1 vidal-2 reactor
NT1 vrain reactor
RT helium cooled reactors
RT power reactors

HTLTR REACTOR
(Pacific Northwest Laboratory, Battelle Memorial Institute, Richland, Washington, USA)
UF *high temperature lattice test reactor*
*BT1 enriched uranium reactors
*BT1 graphite moderated reactors
*BT1 nitrogen cooled reactors
*BT1 research reactors
*BT1 test reactors

htlv iii virus
Use aids virus

hto
Use tritium oxides

HTR-10 REACTOR
INIS: Jan 1998; ETDE: Feb 1998
(Tsinghua University, Beijing, China.)
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 helium cooled reactors
*BT1 htgr type reactors
*BT1 test reactors

HTR REACTOR
(Tokyo Atomic Industrial Research Lab., Ltd, Kanagawa Prefecture, Japan)
UF *hitachi training reactor*
UF *japan htr*
UF *kawasaki-hitachi training reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

HTTR REACTOR
INIS: Oct 1988; ETDE: Oct 1988
(Oarai Research Establishment of JAERI, Ibaraki Prefecture, Japan.)
UF *high temperature test reactor*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 helium cooled reactors
*BT1 htgr type reactors

HTW PROCESS
INIS: Apr 2000; ETDE: Oct 1982
(Rheinische Braunkohlenwerke/FRG coal gasification process which utilizes a fluidized bed reactor with an after-reactor chamber and operates at a pressure of approx. 10 bar and a temperature of approx. 1100 C to produce a high quality synthesis gas.)
UF *high-temperature winkler process*
*BT1 coal gasification
RT synthesis gas

HUBBARD MODEL
INIS: Apr 1992; ETDE: Jul 1992
*BT1 crystal models
RT antiferromagnetism
RT band theory
RT electronic structure
RT ferromagnetism
RT high-tc superconductors
RT superconductivity

HUBBLE EFFECT
UF *hubble-humason shift*
RT cosmology
RT expansion
RT red shift
RT universe

hubble-humason shift
Use hubble effect

HUDSON RIVER
*BT1 rivers
RT new jersey
RT new york

huff and puff process
Use fluid injection processes

hugenholtz-pines theory
Use van hove-hugenholtz theory

HULTHEN POTENTIAL
INIS: Jul 1976; ETDE: Jun 1975
*BT1 nuclear potential

human cells
Use animal cells

human chorionic gonadotropin
Use hcg

HUMAN CHROMOSOME 1
INIS: Jan 1994; ETDE: Dec 1993
*BT1 human chromosomes

HUMAN CHROMOSOME 12
INIS: Feb 1993; ETDE: Feb 1993
*BT1 human chromosomes

HUMAN CHROMOSOME 13
INIS: Jan 1994; ETDE: Dec 1993
*BT1 human chromosomes

HUMAN CHROMOSOME 14
INIS: Feb 1993; ETDE: Feb 1993
*BT1 human chromosomes

HUMAN CHROMOSOME 15
INIS: Jan 1994; ETDE: Dec 1993
*BT1 human chromosomes

HUMAN CHROMOSOME 16
INIS: Jan 1992; ETDE: Oct 1987
*BT1 human chromosomes

HUMAN CHROMOSOME 17
INIS: Dec 1991; ETDE: Jan 1989
*BT1 human chromosomes

HUMAN CHROMOSOME 18
INIS: Dec 1991; ETDE: Jan 1992
*BT1 human chromosomes

HUMAN CHROMOSOME 19
INIS: Dec 1991; ETDE: Jul 1987
*BT1 human chromosomes

HUMAN CHROMOSOME 2
*BT1 human chromosomes

HUMAN CHROMOSOME 21
INIS: Dec 1991; ETDE: Jul 1987
*BT1 human chromosomes

HUMAN CHROMOSOME 22
*BT1 human chromosomes

HUMAN CHROMOSOME 3
INIS: Apr 2000; ETDE: Nov 1992
*BT1 human chromosomes

HUMAN CHROMOSOME 5
INIS: Dec 1991; ETDE: Apr 1988
*BT1 human chromosomes

HUMAN CHROMOSOME 6
INIS: Apr 2000; ETDE: Dec 1993
*BT1 human chromosomes

HUMAN CHROMOSOME 7
INIS: Jan 1994; ETDE: Dec 1993
*BT1 human chromosomes

HUMAN CHROMOSOME 8
INIS: Feb 1993; ETDE: Feb 1993
*BT1 human chromosomes

HUMAN CHROMOSOME 9
INIS: Apr 2000; ETDE: Dec 1993
*BT1 human chromosomes

HUMAN CHROMOSOMES
INIS: Sep 1991; ETDE: Dec 1991
(Prior to October 1991, this was indexed by CHROMOSOMES.)
BT1 chromosomes
NT1 human chromosome 1
NT1 human chromosome 12
NT1 human chromosome 13
NT1 human chromosome 14
NT1 human chromosome 15
NT1 human chromosome 16
NT1 human chromosome 17
NT1 human chromosome 18
NT1 human chromosome 19
NT1 human chromosome 2
NT1 human chromosome 21
NT1 human chromosome 22
NT1 human chromosome 3
NT1 human chromosome 5
NT1 human chromosome 6
NT1 human chromosome 7
NT1 human chromosome 8
NT1 human chromosome 9
NT1 human x chromosome
NT1 human y chromosome
NT1 philadelphia chromosome
RT banding techniques

RT cell nuclei
RT chromatids
RT chromatin
RT chromosomal aberrations
RT chromosome sorting
RT dna
RT dna repair
RT gene regulation
RT genes
RT genetic effects
RT genetic mapping
RT karyotype
RT mitosis
RT nucleoli
RT rflps

HUMAN FACTORS

INIS: Feb 1982; ETDE: Feb 1982
(Aspects of human behavior which influence events or situations, e.g. actions of operators at nuclear power plants.)
SF *psychology*
RT accidents
RT aesthetics
RT attitudes
RT behavior
RT drug abuse
RT failures
RT man-machine systems
RT personnel
RT safety
RT safety culture
RT safety engineering
RT sociology

HUMAN FACTORS ENGINEERING

INIS: Mar 1982; ETDE: Jun 1982
(Application of information on physical and psychological characteristics of man to the design of devices and systems for human use.)
UF *ergonomics*
BT1 engineering
RT accidents
RT equipment
RT hazards
RT man-machine systems
RT personnel
RT safety
RT working conditions

HUMAN INTRUSION

INIS: Jul 1985; ETDE: Sep 1990
(Unauthorized entering of people into restricted areas, facilities, etc. See also BIOINTRUSION.)
UF *infiltration (by people)*
UF *intrusion (human)*
SF *intrusion*
RT entry control systems
RT interest groups
RT nuclear facilities
RT physical protection
RT sabotage
RT security

human placental lactogen

Use hpl

HUMAN POPULATIONS

(From August 1980 till April 1997 DEMOGRAPHY was a valid ETDE descriptor.)
UF *demography*
UF *humans*
UF *people*
BT1 populations
NT1 a-bomb survivors
NT1 eskimos
NT1 minority groups
NT2 american indians
NT2 black americans
NT2 elderly people
NT2 handicapped people
NT2 high income groups
NT2 hispanic americans
NT2 lapps
NT2 low income groups
NT2 oriental americans
NT1 rural populations
NT1 urban populations
RT anthropology
RT boom towns
RT civil defense
RT communities
RT cuex
RT epidemiology
RT health services
RT icrp critical group
RT interest groups
RT man
RT occupants
RT patients
RT personnel
RT population dynamics
RT population relocation
RT public health
RT regional analysis
RT residential sector
RT sociology

human serum albumin

Use albumins
AND blood serum

human tissues

Use animal tissues

HUMAN X CHROMOSOME

INIS: Jan 1992; ETDE: Apr 1988
*BT1 human chromosomes
*BT1 x chromosome

HUMAN Y CHROMOSOME

INIS: Jan 1992; ETDE: Apr 1988
*BT1 human chromosomes
*BT1 y chromosome

humans

Use human populations

humboldt bay

Use california
AND pacific ocean

HUMBOLDT BAY REACTOR

(Eureka, California, USA)
*BT1 bwr type reactors

HUMBOLDT GASIFICATION PROCESS

INIS: Apr 2000; ETDE: Apr 1983
(This process is based on the dissolution of carbon in molten iron. During the process the coal is completely converted leaving no by-products such as tar or other heavy hydrocarbons. The gas produced is practically sulfur free.)
*BT1 coal gasification

humeca uranium mill

Use nuclear facilities

HUMIC ACIDS

*BT1 organic acids
RT fulvic acids
RT humus
RT soils

HUMIDIFIERS

INIS: Apr 2000; ETDE: Jun 1977
RT dehumidifiers
RT electric appliances
RT humidity control

HUMIDISTATS

*BT1 control equipment
RT humidity control

HUMIDITY

SF *water content*
BT1 moisture
RT dew point
RT hygrometry
RT moisture gages
RT water vapor

HUMIDITY CONTROL

BT1 control
RT air conditioning
RT humidifiers
RT humidistats
RT thermal comfort

HUMUS

(Material resulting from partial decomposition of plant oranimal matter and forming the organic portion of soil.)
RT forest litter
RT fulvic acids
RT humic acids
RT soils

HUNGARIAN ORGANIZATIONS

INIS: Apr 1986; ETDE: Apr 1986
BT1 national organizations
NT1 atomki

hungarian paks-1 reactor

Use paks-1 reactor

hungarian paks-2 reactor

Use paks-2 reactor

hungarian paks-3 reactor

Use paks-3 reactor

hungarian paks-4 reactor

Use paks-4 reactor

hungarian wwr-c reactor

Use wwr-s-budapest reactor

HUNGARY

BT1 developing countries
*BT1 eastern europe
RT danube river
RT oecd

HUNTERSTON-A REACTOR

(Hunterston, Ayrshire, UK)
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 thermal reactors

HUNTERSTON-B REACTOR

(Hunterston, Ayrshire, UK)
*BT1 agr type reactors
*BT1 carbon dioxide cooled reactors
*BT1 power reactors
*BT1 thermal reactors

HURRICANES

BT1 storms
RT monsoons
RT turbulence
RT water waves
RT weather
RT wind

HURWITZ EFFECT
UF *bethe-hurwitz effect*
RT nuclear models

hushed echo event
Use bedrock project

husky ace event
Use nuclear explosions
AND underground explosions

husky pup event
Use anvil project

hutch event
Use nuclear explosions
AND underground explosions

hutchinson island-1 reactor
Use lucie-1 reactor

hutchinson island-2 reactor
Use lucie-2 reactor

huttonite
Use silicate minerals
AND thorium minerals

HUYGENS PRINCIPLE
RT wave propagation

HVAC SYSTEMS
INIS: Jan 1977; ETDE: May 1976
(69 kV to 230 kV)
UF *high voltage alternating current systems*
*BT1 ac systems

HVDC SYSTEMS
INIS: Mar 1992; ETDE: Apr 1975
(69 kV to 230 kV)
UF *high voltage direct current systems*
*BT1 dc systems

HWCTR REACTOR
UF *heavy water components test reactor*
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 materials testing reactors
*BT1 tank type reactors
*BT1 thermal reactors

HWGCR TYPE REACTORS
UF *heavy water moderated and gas cooled reactors*
*BT1 gas cooled reactors
*BT1 heavy water moderated reactors
NT1 bohunice a-1 reactor
NT1 bohunice a-2 reactor
NT1 el-4 reactor
NT1 lucens reactor
NT1 niederaichbach reactor
RT power reactors

HWLWR TYPE REACTORS
UF *heavy water moderated and water cooled reactors*
*BT1 heavy water moderated reactors
*BT1 water cooled reactors
NT1 cirene reactor
NT1 gentilly reactor
NT1 jatr reactor
RT power reactors

HWRR REACTOR
Feb 2003
(CIAE, Beijing, China.)
UF *heavy water research reactor*
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 materials testing reactors
*BT1 research reactors

HWZPR REACTOR
Aug 2003
(Esfahan nuclear technology centre, Iran.)
UF *heavy water zero power reactor*
*BT1 heavy water moderated reactors
*BT1 natural uranium reactors
*BT1 thermal reactors
*BT1 zero power reactors

HYALURONIC ACID
*BT1 mucopolysaccharides
RT glucuronic acid
RT hyaluronidase

HYALURONIDASE
(Code numbers 3.2.1.35 and 3.2.1.36.)
*BT1 carbon-oxygen lyases
*BT1 o-glycosyl hydrolases
RT hyaluronic acid

HYBRID COMPUTERS
BT1 computers

HYBRID ELECTRIC-POWERED VEHICLES
INIS: Apr 1992; ETDE: Jan 1975
*BT1 electric-powered vehicles
RT electric batteries
RT hybrid systems

HYBRID REACTORS
(Devices in which controlled self-sustaining fission-fusion processes take place.)
RT hybrid systems
RT lotus facility
RT reactors
RT thermonuclear reactors

HYBRID RESONANCE
BT1 resonance

HYBRID SYSTEMS
INIS: Apr 1992; ETDE: Apr 1975
(Systems using two different types of components performing essentially the same function.)
RT hybrid electric-powered vehicles
RT hybrid reactors
RT power transmission
RT thermonuclear reactors

HYBRIDIZATION
UF *heterozygotes*
UF *homozygotes*
UF *hybrids*
UF *mixing (genetic)*
NT1 dna hybridization
NT2 dna-cloning
RT electronic structure
RT genetic engineering
RT genetics
RT wave functions

HYBRIDOMAS
INIS: May 1986; ETDE: Jan 1984
(Hybrid cells resulting from the fusion of myeloma cells with lymphocytes; often used in the production of monoclonal antibodies.)
UF *fused cells (animal)*
BT1 animal cells
RT biotechnology
RT cell cultures
RT dna hybridization
RT lymphocytes
RT monoclonal antibodies

hybrids
Use hybridization

HYBTOK TOKAMAKS
INIS: Aug 1991; ETDE: Sep 1991
*BT1 tokamak devices

hycsos
Use chemical heat pumps

HYDANTOINS
INIS: Apr 2000; ETDE: May 1985
*BT1 imidazoles
RT urea

HYDATIDOSIS
*BT1 parasitic diseases
RT cestodes
RT parasites

HYDRA
*BT1 cnidaria

HYDRANE PROCESS
INIS: Apr 2000; ETDE: Feb 1975
(Production of pipeline gas from coal by direct conversion with H to give CH4. 1000 psi H flows upward through free-falling pulverized coal at 725 degrees. Carbon, hydrogen sulfide, and dust are removed from product.)
*BT1 coal gasification
BT1 sng processes

hydratation
Use hydration

hydrated electrons
Use hydration
AND solvated electrons

HYDRATES
(For chemical compounds or minerals.)
NT1 gas hydrates
NT1 unh
RT water

HYDRATION
(Addition of water; for addition of hydrogen use HYDROGENATION.)
UF *hydratation*
UF+ *hydrated electrons*
BT1 solvation

HYDRAULIC ACCUMULATORS
INIS: Apr 2000; ETDE: Aug 1979
(Devices that store potential energy by accumulating a quantity of pressurized hydraulic fluid in a pressure vessel.)
BT1 mechanical energy storage equipment
*BT1 tanks
RT energy storage
RT hydraulic equipment
RT hydraulics

HYDRAULIC CONDUCTIVITY
INIS: Jun 1983; ETDE: Mar 1982
(Rate of water flow through porous rock, soil, etc.)
UF *meinzer unit*
UF *permeability coefficient (fluid mechanics)*
RT fluid mechanics
RT ground water
RT hydrology
RT liquid flow
RT underground disposal

HYDRAULIC CONTROL DEVICES
*BT1 control equipment
*BT1 hydraulic equipment
RT hydraulics

RT remote control

HYDRAULIC EQUIPMENT

INIS: Jul 1986; ETDE: Jan 1977
BT1 equipment
NT1 hydraulic control devices
RT hydraulic accumulators
RT hydraulic fluids
RT hydraulics
RT natural gas wells
RT petroleum
RT well completion
RT well drilling

HYDRAULIC FLUIDS

INIS: Jun 1982; ETDE: Nov 1981
*BT1 working fluids
RT hydraulic equipment

HYDRAULIC FRACTURES

INIS: May 1992; ETDE: Jul 1980
*BT1 fractures
RT cracks
RT fracturing fluids
RT hot-dry-rock systems
RT hydraulic fracturing

HYDRAULIC FRACTURING

INIS: Dec 1975; ETDE: Jan 1975
(Fracturing of deep rock strata by hydraulic pressure, frequently for the deposition of radioactive wastes.)
BT1 fracturing
RT fluid injection
RT fractures
RT fracturing fluids
RT hydraulic fractures
RT waste disposal
RT well stimulation

hydraulic fracturing fluids

Use fracturing fluids

HYDRAULIC MINING

INIS: Apr 2000; ETDE: May 1977
BT1 mining
RT auger mining
RT longwall mining
RT mining engineering

hydraulic rams

Use pumps

HYDRAULIC TRANSPORT

INIS: Feb 1984; ETDE: Aug 1976
BT1 transport
RT hydraulics
RT materials handling
RT pipelines
RT slurries
RT slurry pipelines

HYDRAULIC TURBINES

INIS: Feb 1992; ETDE: Nov 1976
(Machines which convert the energy of an elevated water supply into mechanical energy of a rotating shaft.)
*BT1 turbines
NT1 pump turbines
RT hydraulics
RT penstocks
RT turbogenerators
RT water wheels

HYDRAULICS

*BT1 fluid mechanics
NT1 thermal hydraulics
RT flow rate
RT fluid flow
RT friction factor
RT hydraulic accumulators
RT hydraulic control devices
RT hydraulic equipment
RT hydraulic transport
RT hydraulic turbines
RT hydrodynamics
RT penstocks
RT pneumatics
RT solids flow
RT surges
RT water hammer

HYDRAZIDES

*BT1 organic nitrogen compounds
NT1 isoniazid
RT hydrazine
RT organic acids

HYDRAZINE

BT1 nitrogen compounds
RT dpph
RT hydrazides
RT hydrazones

HYDRAZINE FUEL CELLS

INIS: Apr 2000; ETDE: Jan 1975
*BT1 fuel cells

HYDRAZOIC ACID

INIS: Jun 1988; ETDE: Apr 1977
UF *azomide*
*BT1 inorganic acids
RT azides

HYDRAZONES

*BT1 organic nitrogen compounds
RT aldehydes
RT hydrazine
RT ketones

HYDRIDATION

BT1 chemical reactions
RT dehydridation
RT hydrides
RT hydrogen
RT hydrogen embrittlement

HYDRIDE MODERATED REACTORS

BT1 reactors
NT1 acpr reactor
NT1 anex reactor
NT1 nsrr reactor
NT1 stir reactor
NT1 szr type reactors
NT2 knk reactor
NT2 knk-2 reactor
NT1 topaz reactor
NT1 triga type reactors
NT2 afrri reactor
NT2 atpr reactor
NT2 colorado triga-mk-3 reactor
NT2 cornell triga-mk-2 reactor
NT2 dow triga-mk-1 reactor
NT2 fir-1 reactor
NT2 frf-2 reactor
NT2 frn reactor
NT2 gulf triga-mk-3 reactor
NT2 kartini-ppny reactor
NT2 lopra reactor
NT2 nscr reactor
NT2 ostr reactor
NT2 prpr reactor
NT2 pstr reactor
NT2 rtp reactor
NT2 trico reactor
NT2 triga-1-arizona reactor
NT2 triga-1-california reactor
NT2 triga-1-hanford reactor
NT2 triga-1-hanover reactor
NT2 triga-1-heidelberg reactor
NT2 triga-1-michigan reactor
NT2 triga-2 reactor
NT2 triga-2-bandung reactor
NT2 triga-2-bangladesh reactor
NT2 triga-2-dalat reactor
NT2 triga-2-illinois reactor
NT2 triga-2-kansas reactor
NT2 triga-2-ljubljana reactor
NT2 triga-2-mainz reactor
NT2 triga-2-musashi reactor
NT2 triga-2-pavia reactor
NT2 triga-2-pitesti reactor
NT2 triga-2-rikkyo reactor
NT2 triga-2-rome reactor
NT2 triga-2-seoul reactor
NT2 triga-2-vienna reactor
NT2 triga-3-la jolla reactor
NT2 triga-3-munich reactor
NT2 triga-3-salazar reactor
NT2 triga-3-seoul reactor
NT2 triga-brazil reactor
NT2 triga-texas reactor
NT2 triga-veterans reactor
NT2 ucbrr reactor
NT2 uwnr reactor
NT2 wsur reactor
NT1 xma-1 reactor
RT hydride moderators

HYDRIDE MODERATORS

BT1 moderators
RT hydride moderated reactors
RT hydrides
RT szr type reactors
RT topaz reactor
RT zirconium hydrides

HYDRIDES

UF+ *actinium hydrides*
UF+ *berkelium hydrides*
UF+ *curium hydrides*
UF+ *protactinium hydrides*
UF+ *xenon hydrides*
BT1 hydrogen compounds
NT1 aluminium hydrides
NT1 americium hydrides
NT1 antimony hydrides
NT1 argon hydrides
NT1 arsenic hydrides
NT1 barium hydrides
NT1 beryllium hydrides
NT1 bismuth hydrides
NT1 boranes
NT1 boron hydrides
NT1 calcium hydrides
NT1 cerium hydrides
NT1 cesium hydrides
NT1 chromium hydrides
NT1 cobalt hydrides
NT1 copper hydrides
NT1 dysprosium hydrides
NT1 erbium hydrides
NT1 europium hydrides
NT1 gadolinium hydrides
NT1 germanium hydrides
NT1 gold hydrides
NT1 hafnium hydrides
NT1 helium hydrides
NT1 holmium hydrides
NT1 indium hydrides
NT1 iridium hydrides
NT1 iron hydrides
NT1 krypton hydrides
NT1 lanthanum hydrides
NT1 lead hydrides
NT1 lithium hydrides
NT2 lithium deuterides
NT2 lithium tritides
NT1 lutetium hydrides

NT1 magnesium hydrides
NT1 manganese hydrides
NT1 mercury hydrides
NT1 molybdenum hydrides
NT1 neodymium hydrides
NT1 neon hydrides
NT1 neptunium hydrides
NT1 nickel hydrides
NT1 niobium hydrides
NT1 nitrogen hydrides
NT2 ammonia
NT1 palladium hydrides
NT1 phosphorus hydrides
NT1 platinum hydrides
NT1 plutonium hydrides
NT1 potassium hydrides
NT1 praseodymium hydrides
NT1 rhenium hydrides
NT1 rhodium hydrides
NT1 rubidium hydrides
NT1 ruthenium hydrides
NT1 samarium hydrides
NT1 scandium hydrides
NT1 selenium hydrides
NT1 silanes
NT1 silver hydrides
NT1 sodium hydrides
NT1 strontium hydrides
NT1 tantalum hydrides
NT1 technetium hydrides
NT1 tellurium hydrides
NT1 terbium hydrides
NT1 thallium hydrides
NT1 thorium hydrides
NT1 thulium hydrides
NT1 tin hydrides
NT1 titanium hydrides
NT1 tungsten hydrides
NT1 uranium hydrides
NT1 vanadium hydrides
NT1 ytterbium hydrides
NT1 yttrium hydrides
NT1 zinc hydrides
NT1 zirconium hydrides
RT hydridation
RT hydride moderators
RT hydrogen additions
RT hydrogen storage

HYDRIODIC ACID

UF *hydrogen iodides*
*BT1 inorganic acids
*BT1 iodine compounds
RT iodides

HYDRO-LYASES

INIS: Dec 1986; ETDE: Jan 1981
(Code number 4.2.1.)
*BT1 carbon-oxygen lyases
NT1 carbonic anhydrase

HYDROAROMATICS

INIS: Apr 2000; ETDE: Aug 1991
UF *naphthenes*
BT1 organic compounds
NT1 tetralin
RT aromatics
RT redox reactions

HYDROBROMIC ACID

UF *hydrogen bromides*
*BT1 bromine compounds
*BT1 inorganic acids
RT bromides

HYDROCARBON FUEL CELLS

INIS: May 1992; ETDE: Jan 1975
*BT1 fuel cells

hydrocarbon logging

Use gas meters
AND well logging

HYDROCARBONS

UF+ *violanthrone*
BT1 organic compounds
NT1 acenaphthene
NT1 alkanes
NT2 2-2-dimethylpropane
NT2 2-methylbutane
NT2 2-methylpropane
NT2 butane
NT2 cycloalkanes
NT3 cyclohexane
NT3 decalin
NT2 decane
NT2 dodecane
NT2 ethane
NT2 heptane
NT2 hexadecane
NT2 hexane
NT2 methane
NT2 octane
NT2 paraffin
NT2 pentane
NT2 propane
NT2 squalane
NT1 alkenes
NT2 2-methylpropene
NT2 butenes
NT2 cycloalkenes
NT3 cyclopentadiene
NT3 norbornadiene
NT3 quadricyclene
NT2 ethylene
NT2 heptenes
NT2 hexenes
NT2 octenes
NT2 pentenes
NT2 propylene
NT1 alkynes
NT2 acetylene
NT2 cycloalkynes
NT2 propyne
NT1 anthracene
NT1 azulene
NT1 benzanthracene
NT1 benzene
NT1 benzopyrene
NT1 biphenyl
NT1 carotenoids
NT1 chrysene
NT1 cumene
NT1 cymene
NT1 divinylbenzene
NT1 durene
NT1 fluorene
NT1 indan
NT1 indene
NT1 mesitylene
NT1 naphthalene
NT1 oligophenylenes
NT1 pentacene
NT1 phenanthrene
NT1 polycyclic aromatic hydrocarbons
NT2 3-methylcholanthrene
NT1 polyenes
NT2 dienes
NT3 allene
NT3 butadiene
NT3 cyclopentadiene
NT3 ferrocene
NT3 isoprene
NT3 pentadienes
NT2 polyacetylenes
NT2 squalene
NT1 polyphenyls
NT2 terphenyls
NT3 terphenyl-ortho
NT3 terphenyl-para
NT1 pyrene
NT1 quaterphenyls
NT1 stilbene
NT1 styrene
NT1 tetracene
NT1 tetralin
NT1 tolan
NT1 toluene
NT1 triphenylene
NT1 xylenes
NT2 xylene-para
RT aromatics
RT bromoform
RT fischer-tropsch synthesis
RT fish oil
RT fluidized bed hydrogenation process
RT fluoroform
RT freons
RT iodoform
RT meadow foam
RT oils
RT partial oxidation processes
RT petroleum
RT refrigerants
RT shell gasification process
RT turpentine

hydrocephalus

Use malformations

HYDROCHLORIC ACID

UF *hydrogen chlorides*
*BT1 chlorine compounds
*BT1 inorganic acids
RT aqua regia
RT chlorides

HYDROCORTISONE

UF *cortisol*
*BT1 glucocorticoids

HYDROCRACKING

INIS: May 2000; ETDE: Feb 1975
*BT1 cracking
RT catalytic cracking
RT thermal cracking

HYDROCYANIC ACID

UF *hydrogen cyanides*
*BT1 inorganic acids
RT cyanides

hydrocyclones

Use cyclone separators

HYDRODYNAMIC MASS EFFECT

INIS: Mar 1976; ETDE: Aug 1976
(A virtual increase of the mass of solids when vibrating in fluids.)
UF *added mass effect*
UF *virtual mass effect*
RT damping
RT eigenfrequency
RT hydrodynamics
RT mechanical vibrations

HYDRODYNAMIC MODEL

(A model for particle production in high-energy collisions that applies relativistic hydrodynamics to the coalesced hadronic matter.)
*BT1 thermodynamic model
RT nuclear models
RT particle production

HYDRODYNAMICS

*BT1 fluid mechanics
NT1 electrohydrodynamics
NT1 magnetohydrodynamics

RT counterflow systems
RT crossflow systems
RT fluid flow
RT flute instability
RT hydraulics
RT hydrodynamic mass effect
RT liquid flow
RT rayleigh-taylor instability
RT working fluids

HYDROELECTRIC POWER
UF *hydroelectricity*
*BT1 electric power
*BT1 renewable energy sources
RT grand river
RT hydroelectric power plants
RT pumped storage power plants
RT water current power generators

HYDROELECTRIC POWER PLANTS
BT1 power plants
NT1 high-head hydroelectric power plants
NT1 low-head hydroelectric power plants
NT1 medium-head hydroelectric power plants
NT1 micro-scale hydroelectric power plants
NT1 pumped storage power plants
NT1 small-scale hydroelectric power plants
RT altamaha river
RT au sable river
RT dams
RT fish passage facilities
RT flood control
RT hydroelectric power
RT lewis river
RT little tennessee river
RT menominee river
RT peaking power plants
RT penstocks
RT pumped storage
RT saginaw river
RT skagit river
RT spillways
RT turbines
RT water wheels

hydroelectricity
Use hydroelectric power

HYDROFLUORIC ACID
UF *hydrogen fluorides*
*BT1 fluorine compounds
*BT1 inorganic acids
RT fluorides

hydroformylation
Use carbonylation

HYDROGEN
*BT1 nonmetals
RT balmer lines
RT cryogenic fluids
RT dehydridation
RT h1 regions
RT hydridation
RT hydrogen embrittlement
RT hydrogen fuels
RT hydrogen meters
RT hydrogen production
RT hydrogen storage
RT hydrogen-based economy
RT lyman lines

HYDROGEN 1
UF *protium*
*BT1 hydrogen isotopes
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes
RT hydrogen deuteride

HYDROGEN 1 MINUS BEAMS
INIS: Aug 1978; ETDE: Oct 1978
UF *hydrogen minus 1 beams*
*BT1 ion beams

HYDROGEN 1 TARGET
BT1 targets

hydrogen 2
Use deuterium

hydrogen 3
Use tritium

HYDROGEN 4
*BT1 hydrogen isotopes
*BT1 light nuclei
*BT1 odd-odd nuclei

HYDROGEN 5
*BT1 hydrogen isotopes
*BT1 light nuclei
*BT1 odd-even nuclei

HYDROGEN 6
*BT1 hydrogen isotopes
*BT1 light nuclei
*BT1 odd-odd nuclei

HYDROGEN 7
*BT1 hydrogen isotopes
*BT1 light nuclei
*BT1 odd-even nuclei

HYDROGEN ADDITIONS
RT hydrides

HYDROGEN-BASED ECONOMY
INIS: Apr 2000; ETDE: Jan 1975
(Energy industry based on hydrogen for energy storage, distribution, and utilization.)
RT hydrogen
RT hydrogen storage
RT industry

hydrogen bromides
Use hydrobromic acid

HYDROGEN BURNING
INIS: Nov 1978; ETDE: Jul 1980
(Astrophysical processes only.)
UF *pp chain*
UF *proton-proton cycle*
BT1 star burning
RT main sequence stars
RT nucleosynthesis
RT star evolution
RT star models

hydrogen chlorides
Use hydrochloric acid

HYDROGEN COMPLEXES
BT1 complexes

HYDROGEN COMPOUNDS
NT1 borohydrides
NT2 uranium borohydrides
NT1 deuterium compounds
NT2 deuterides
NT3 hydrogen deuteride
NT3 lithium deuterides
NT2 deuterium tritide
NT2 heavy water
NT1 hydrides
NT2 aluminium hydrides
NT2 americium hydrides
NT2 antimony hydrides
NT2 argon hydrides
NT2 arsenic hydrides
NT2 barium hydrides
NT2 beryllium hydrides
NT2 bismuth hydrides
NT2 boranes
NT2 boron hydrides
NT2 calcium hydrides
NT2 cerium hydrides
NT2 cesium hydrides
NT2 chromium hydrides
NT2 cobalt hydrides
NT2 copper hydrides
NT2 dysprosium hydrides
NT2 erbium hydrides
NT2 europium hydrides
NT2 gadolinium hydrides
NT2 germanium hydrides
NT2 gold hydrides
NT2 hafnium hydrides
NT2 helium hydrides
NT2 holmium hydrides
NT2 indium hydrides
NT2 iridium hydrides
NT2 iron hydrides
NT2 krypton hydrides
NT2 lanthanum hydrides
NT2 lead hydrides
NT2 lithium hydrides
NT3 lithium deuterides
NT3 lithium tritides
NT2 lutetium hydrides
NT2 magnesium hydrides
NT2 manganese hydrides
NT2 mercury hydrides
NT2 molybdenum hydrides
NT2 neodymium hydrides
NT2 neon hydrides
NT2 neptunium hydrides
NT2 nickel hydrides
NT2 niobium hydrides
NT2 nitrogen hydrides
NT3 ammonia
NT2 palladium hydrides
NT2 phosphorus hydrides
NT2 platinum hydrides
NT2 plutonium hydrides
NT2 potassium hydrides
NT2 praseodymium hydrides
NT2 rhenium hydrides
NT2 rhodium hydrides
NT2 rubidium hydrides
NT2 ruthenium hydrides
NT2 samarium hydrides
NT2 scandium hydrides
NT2 selenium hydrides
NT2 silanes
NT2 silver hydrides
NT2 sodium hydrides
NT2 strontium hydrides
NT2 tantalum hydrides
NT2 technetium hydrides
NT2 tellurium hydrides
NT2 terbium hydrides
NT2 thallium hydrides
NT2 thorium hydrides
NT2 thulium hydrides
NT2 tin hydrides
NT2 titanium hydrides
NT2 tungsten hydrides
NT2 uranium hydrides
NT2 vanadium hydrides
NT2 ytterbium hydrides
NT2 yttrium hydrides
NT2 zinc hydrides
NT2 zirconium hydrides
NT1 hydrogen peroxide
NT1 hydrogen sulfides
NT1 hydroxides

NT2 aluminium hydroxides
NT2 americium hydroxides
NT2 ammonium hydroxides
NT2 antimony hydroxides
NT2 barium hydroxides
NT2 beryllium hydroxides
NT2 bismuth hydroxides
NT2 boron hydroxides
NT2 cadmium hydroxides
NT2 calcium hydroxides
NT2 cerium hydroxides
NT2 cesium hydroxides
NT2 chromium hydroxides
NT2 cobalt hydroxides
NT2 copper hydroxides
NT2 dysprosium hydroxides
NT2 erbium hydroxides
NT2 europium hydroxides
NT2 gadolinium hydroxides
NT2 gallium hydroxides
NT2 hafnium hydroxides
NT2 holmium hydroxides
NT2 indium hydroxides
NT2 iron hydroxides
NT2 lanthanum hydroxides
NT2 lead hydroxides
NT2 lithium hydroxides
NT2 lutetium hydroxides
NT2 magnesium hydroxides
NT2 manganese hydroxides
NT2 molybdenum hydroxides
NT2 neodymium hydroxides
NT2 neptunium hydroxides
NT2 nickel hydroxides
NT2 niobium hydroxides
NT2 platinum hydroxides
NT2 plutonium hydroxides
NT2 potassium hydroxides
NT2 praseodymium hydroxides
NT2 promethium hydroxides
NT2 rubidium hydroxides
NT2 ruthenium hydroxides
NT2 samarium hydroxides
NT2 scandium hydroxides
NT2 silicon hydroxides
NT2 silver hydroxides
NT2 sodium hydroxides
NT2 strontium hydroxides
NT2 tantalum hydroxides
NT2 tellurium hydroxides
NT2 terbium hydroxides
NT2 thorium hydroxides
NT2 thulium hydroxides
NT2 tin hydroxides
NT2 titanium hydroxides
NT2 tungsten hydroxides
NT2 uranium hydroxides
NT2 vanadium hydroxides
NT2 ytterbium hydroxides
NT2 yttrium hydroxides
NT2 zinc hydroxides
NT2 zirconium hydroxides
NT1 inorganic acids
NT2 boric acid
NT2 broensted acids
NT2 bromic acid
NT2 carbonic acid
NT2 chloric acid
NT2 chlorous acid
NT2 chromic acid
NT2 fluoroboric acid
NT2 hydrazoic acid
NT2 hydriodic acid
NT2 hydrobromic acid
NT2 hydrochloric acid
NT2 hydrocyanic acid
NT2 hydrofluoric acid
NT2 hypochlorous acid
NT2 hypofluorous acid
NT2 hypoiodous acid
NT2 hypophosphorous acid
NT2 iodic acid
NT2 lewis acids
NT2 molybdic acid
NT2 molybdophosphoric acid
NT2 nitric acid
NT2 nitrous acid
NT2 perchloric acid
NT2 periodic acid
NT2 phosphoric acid
NT2 phosphorous acid
NT2 silicic acid
NT2 sulfamic acid
NT2 sulfuric acid
NT2 sulfurous acid
NT2 telluric acid
NT2 tungstophosphoric acid
NT1 tritium compounds
NT2 tritides
NT3 deuterium tritide
NT3 helium tritides
NT3 hydrogen tritide
NT3 lithium tritides
NT2 tritium oxides
NT1 water
NT2 drinking water
NT2 feedwater
NT2 fresh water
NT2 ground water
NT3 interstitial water
NT3 magmatic water
NT2 heavy water
NT2 hot water
NT2 rain water
NT3 throughfall
NT2 seawater
NT2 tritium oxides
NT2 waste water
NT3 shale tar water

HYDROGEN COOLED REACTORS

*BT1 gas cooled reactors
NT1 kiwi reactors
NT2 kiwi-tnt reactor
NT1 nerva reactor
NT1 nrx-a2 reactor
NT1 nrx-a3 reactor
NT1 nrx-a4-est reactor
NT1 nrx-a5 reactor
NT1 nrx-a6 reactor
NT1 pewee-1 reactor
NT1 pewee-2 reactor
NT1 pewee-3 reactor
NT1 pewee-4 reactor
NT1 phoebus-1a reactor
NT1 phoebus-1b reactor
NT1 phoebus-2a reactor
NT1 rover reactors
NT1 xe-prime reactor
RT nrx-a7 reactor
RT space propulsion reactors
RT xe-2 reactor

hydrogen cyanides

Use hydrocyanic acid

HYDROGEN DEUTERIDE

UF *deuterium hydride*
*BT1 deuterides
RT deuterium
RT hydrogen 1

hydrogen donor reactions

Use hydrogen transfer

HYDROGEN EMBRITTLEMENT

INIS: Jun 1992; ETDE: Jun 1980
(A decrease in fracture strength of metals due to the incorporation of hydrogen in the metal lattice.)
BT1 embrittlement
RT brittleness
RT fracture properties
RT hydridation
RT hydrogen
RT interstitial hydrogen generation

hydrogen fluorides

Use hydrofluoric acid

HYDROGEN FUEL CELLS

INIS: Jul 1976; ETDE: Jan 1975
*BT1 fuel cells

HYDROGEN FUELS

INIS: Jul 1992; ETDE: Mar 1975
*BT1 synthetic fuels
RT automotive fuels
RT hydrogen
RT jet engine fuels
RT slush

hydrogen generation

Use interstitial hydrogen generation

HYDROGEN GENERATORS

INIS: Mar 1989; ETDE: Jan 1975
(Devices for continuous production of small quantities of hydrogen.)
BT1 gas generators
RT hydrogen production

hydrogen hydroxides

Use water

hydrogen iodides

Use hydriodic acid

HYDROGEN IONS

*BT1 ions
NT1 hydrogen ions 1 minus
NT1 hydrogen ions 1 plus
NT1 hydrogen ions 2 plus
NT1 hydrogen ions 3 plus

HYDROGEN IONS 1 MINUS

(For monatomic negative hydrogen ions.)
*BT1 anions
*BT1 hydrogen ions

HYDROGEN IONS 1 PLUS

(For monatomic positive hydrogen ions.)
UF+ *proton-atom collisions*
UF+ *proton-molecule collisions*
*BT1 cations
*BT1 hydrogen ions
RT h2 regions
RT oxonium ions
RT protons

HYDROGEN IONS 2 PLUS

(For diatomic singly positive hydrogen ions.)
*BT1 cations
*BT1 hydrogen ions
*BT1 molecular ions

HYDROGEN IONS 3 PLUS

(For triatomic singly positive hydrogen ions.)
*BT1 cations
*BT1 hydrogen ions
*BT1 molecular ions

HYDROGEN ISOTOPES

BT1 isotopes
NT1 deuterium
NT1 hydrogen 1

NT1 hydrogen 4
NT1 hydrogen 5
NT1 hydrogen 6
NT1 hydrogen 7
NT1 tritium

hydrogen logs
See neutron logging
OR neutron-gamma logging
OR neutron-neutron logging

HYDROGEN METERS
INIS: Oct 1977; ETDE: Jan 1975
*BT1 meters
RT chemical analysis
RT hydrogen

hydrogen minus 1 beams
Use hydrogen 1 minus beams

hydrogen nitrates
Use nitric acid

HYDROGEN PEROXIDE
BT1 hydrogen compounds
*BT1 peroxides

hydrogen phosphates
Use phosphoric acid

HYDROGEN PRODUCTION
INIS: Dec 1982; ETDE: Jan 1975
(For industrial hydrogen production only; see also INTERSTITIAL HYDROGEN PRODUCTION. Until October 1994 this concept was indexed to HYDROGEN and PRODUCTION.)
UF *production (hydrogen)*
RT autothermal reformer processes
RT biophotolysis
RT bosch process
RT hydrogen
RT hydrogen generators
RT partial oxidation processes
RT photoelectrolysis
RT reformer processes
RT steam reformer processes
RT steam-iron process
RT thermochemical processes
RT water gas processes

hydrogen production rates
Use interstitial hydrogen generation

hydrogen selenides
Use selenium hydrides

hydrogen silicates
Use silicic acid

HYDROGEN STORAGE
INIS: Feb 1992; ETDE: Jan 1975
BT1 storage
RT chemisorption
RT cryogenics
RT energy storage
RT hydrides
RT hydrogen
RT hydrogen-based economy
RT tanks

hydrogen sulfates
Use sulfuric acid

HYDROGEN SULFIDES
UF *sulfur hydrides*
BT1 hydrogen compounds
*BT1 sulfides
RT sour crudes

HYDROGEN TRANSFER
INIS: Feb 1981; ETDE: Oct 1978
UF *hydrogen donor reactions*
RT charge exchange
RT chemical reactions
RT isotopic exchange
RT photochemical reactions

HYDROGEN TRITIDE
INIS: Jul 1976; ETDE: Feb 1976
UF *tritium hydride*
*BT1 tritides

hydrogenase
Use hydrogenases

HYDROGENASES
(Code number 1.12)
UF *hydrogenase*
*BT1 oxidoreductases

HYDROGENATION
BT1 chemical reactions
NT1 gulf hds process
RT clean coke process
RT cs-r process
RT dehydrogenation
RT deuteration
RT fischer-tropsch synthesis
RT flash hydropyrolysis process
RT lc-fining

HYDROLASES
(Code number 3.)
*BT1 enzymes
NT1 acid anhydrases
NT2 gtp-ases
NT2 phosphohydrolases
NT3 atp-ase
NT1 esterases
NT2 carboxylesterases
NT3 cholinesterase
NT3 lipases
NT2 phosphatases
NT3 acid phosphatase
NT3 alkaline phosphatase
NT3 nucleotidases
NT2 phosphodiesterases
NT3 nucleases
NT4 dna-ase
NT5 endonucleases
NT4 rna-ase
NT1 glycosyl hydrolases
NT2 o-glycosyl hydrolases
NT3 amylase
NT3 cellulase
NT3 galactosidase
NT3 glucosidase
NT3 glucuronidase
NT3 hyaluronidase
NT3 lysozyme
NT3 xylanase
NT1 non-peptide c-n hydrolases
NT2 amidases
NT3 arginase
NT3 urease
NT2 amidinases
NT1 peptide hydrolases
NT2 acid proteinases
NT3 pepsin
NT2 aminopeptidases
NT2 carboxypeptidases
NT2 nonspecific peptidases
NT3 renin
NT3 urokinase
NT2 serine proteinases
NT3 chymotrypsin
NT3 fibrinolysin
NT3 kallikrein
NT3 thrombin
NT3 trypsin
NT2 sh-proteinases
NT3 cathepsins
NT3 papain
NT3 streptococcal proteinase
RT enzymatic hydrolysis

HYDROLOGY
RT aquifers
RT drainage
RT floods
RT fluid injection
RT ground water
RT hydraulic conductivity
RT lakes
RT piezometry
RT rivers
RT site characterization
RT surface waters
RT water influx
RT water springs
RT water tables

HYDROLYSIS
BT1 lysis
*BT1 solvolysis
NT1 acid hydrolysis
NT1 alkaline hydrolysis
NT1 autohydrolysis
NT1 enzymatic hydrolysis
NT1 saccharification
NT1 saponification
RT esters

HYDROMAGNETIC WAVES
UF *magnetohydrodynamic waves*
NT1 alfven waves
NT1 magnetoacoustic waves
NT2 fast magnetoacoustic waves
RT magnetoacoustics
RT plasma surface waves
RT plasma waves
RT shock waves

HYDROMETALLURGY
*BT1 extractive metallurgy
RT leaching
RT precipitation
RT solvent extraction

hydronium ions
Use oxonium ions

HYDRONIUM RADICALS
BT1 radicals
RT water

HYDROPEROXY RADICALS
(HO2)
UF *ho2*
UF *perhydroxyl radical*
BT1 radicals

HYDROPHYLIC POLYMERS
INIS: Jan 1976; ETDE: Jan 1975
*BT1 gels
BT1 polymers
RT shielding materials
RT water

HYDROPONIC CULTURE
INIS: Aug 1992; ETDE: May 1976
(Growing of plants in a nutrient solution with the mechanical support of an inert medium such as sand.)
BT1 cultivation techniques
RT agriculture
RT aquaculture
RT crops
RT greenhouses
RT plant growth

HYDRORETORTING ASSAY
INIS: Apr 2000; ETDE: Oct 1984
- *RT* oil shales
- *RT* shale oil

HYDROSPHERE
- *RT* aquatic ecosystems
- *RT* atmospheric precipitations
- *RT* cryosphere
- *RT* environment
- *RT* glaciers
- *RT* limnology
- *RT* surface waters
- *RT* water

HYDROSTATIC BEARINGS
INIS: Aug 1978; ETDE: Oct 1978
- BT1 bearings
- *RT* liquids
- *RT* lubrication

HYDROSTATICS
- *RT* fluid mechanics
- *RT* pore pressure

HYDROTHERMAL ALTERATION
INIS: Apr 1984; ETDE: Jan 1975
(Alteration of rocks or minerals by the reaction of hydrothermal water with preexisting solid phases. Until October1994 this concept was indexed to METAMORPHISM.)
- BT1 metamorphism
- *RT* hydrothermal stage
- *RT* rock-fluid interactions

hydrothermal convective systems
Use hydrothermal systems

HYDROTHERMAL STAGE
(That stage in the cooling of a magma containing volatiles during which the residual fluid is strongly enriched in water and other volatiles.)
- *RT* hydrothermal alteration
- *RT* metamorphism

HYDROTHERMAL SYNTHESIS
INIS: Jan 1977; ETDE: Dec 1975
(Mineral synthesis in presence of water at elevated temperatures.)
- BT1 synthesis

HYDROTHERMAL SYSTEMS
INIS: Apr 1992; ETDE: Jan 1975
(Geothermal system where most of the heat is transferred by the convective circulation of water or steam.)
- UF *hydrothermal convective systems*
- BT1 energy systems
- BT1 geothermal systems
- **NT1** geothermal hot-water systems
- **NT1** vapor-dominated systems
- *RT* fumaroles
- *RT* geothermal fluids
- *RT* geysers
- *RT* hot springs
- *RT* thermal springs
- *RT* warm springs

HYDROTHORITE
INIS: Apr 2000; ETDE: Dec 1974
- *BT1 silicate minerals
- *BT1 thorium minerals
- *RT* thorium silicates

HYDROTORTING PROCESS
INIS: Apr 2000; ETDE: Jun 1975
(Finely crushed oil shale is retorted under high pressure in presence of hydrogen; process developed by Texaco.)
- *RT* oil shales
- *RT* retorting

HYDROXAMIC ACIDS
- *BT1 amines
- *BT1 hydroxy compounds
- **NT1** benzohydroxamic acid
- *RT* organic acids

HYDROXIDE MODERATORS
- BT1 moderators
- *RT* hydroxides

HYDROXIDES
- UF *alkalis*
- UF+ *actinium hydroxides*
- UF+ *curium hydroxides*
- UF+ *germanium hydroxides*
- UF+ *helium hydroxides*
- UF+ *hydroxyl ions*
- UF+ *palladium hydroxides*
- UF+ *protactinium hydroxides*
- UF+ *rhenium hydroxides*
- UF+ *rhodium hydroxides*
- UF+ *thallium hydroxides*
- BT1 hydrogen compounds
- BT1 oxygen compounds
- **NT1** aluminium hydroxides
- **NT1** americium hydroxides
- **NT1** ammonium hydroxides
- **NT1** antimony hydroxides
- **NT1** barium hydroxides
- **NT1** beryllium hydroxides
- **NT1** bismuth hydroxides
- **NT1** boron hydroxides
- **NT1** cadmium hydroxides
- **NT1** calcium hydroxides
- **NT1** cerium hydroxides
- **NT1** cesium hydroxides
- **NT1** chromium hydroxides
- **NT1** cobalt hydroxides
- **NT1** copper hydroxides
- **NT1** dysprosium hydroxides
- **NT1** erbium hydroxides
- **NT1** europium hydroxides
- **NT1** gadolinium hydroxides
- **NT1** gallium hydroxides
- **NT1** hafnium hydroxides
- **NT1** holmium hydroxides
- **NT1** indium hydroxides
- **NT1** iron hydroxides
- **NT1** lanthanum hydroxides
- **NT1** lead hydroxides
- **NT1** lithium hydroxides
- **NT1** lutetium hydroxides
- **NT1** magnesium hydroxides
- **NT1** manganese hydroxides
- **NT1** molybdenum hydroxides
- **NT1** neodymium hydroxides
- **NT1** neptunium hydroxides
- **NT1** nickel hydroxides
- **NT1** niobium hydroxides
- **NT1** platinum hydroxides
- **NT1** plutonium hydroxides
- **NT1** potassium hydroxides
- **NT1** praseodymium hydroxides
- **NT1** promethium hydroxides
- **NT1** rubidium hydroxides
- **NT1** ruthenium hydroxides
- **NT1** samarium hydroxides
- **NT1** scandium hydroxides
- **NT1** silicon hydroxides
- **NT1** silver hydroxides
- **NT1** sodium hydroxides
- **NT1** strontium hydroxides
- **NT1** tantalum hydroxides
- **NT1** tellurium hydroxides
- **NT1** terbium hydroxides
- **NT1** thorium hydroxides
- **NT1** thulium hydroxides
- **NT1** tin hydroxides
- **NT1** titanium hydroxides
- **NT1** tungsten hydroxides
- **NT1** uranium hydroxides
- **NT1** vanadium hydroxides
- **NT1** ytterbium hydroxides
- **NT1** yttrium hydroxides
- **NT1** zinc hydroxides
- **NT1** zirconium hydroxides
- *RT* bases
- *RT* dawsonite
- *RT* hydroxide moderators
- *RT* hydroxyl radicals
- *RT* hydroxylation

HYDROXY ACIDS
(For carboxylic acids only; for other acids see HYDROXY COMPOUNDS coordinated with the descriptor for the particular acid group, e.g., SULFONIC ACIDS.)
- UF *melilotic acid*
- UF *podophyllic acid*
- UF *trihydroxyglutaric acid*
- UF *trioxyglutaric acid*
- UF+ *aluminon*
- UF+ *aurintricarboxylic acid*
- UF+ *chrome violet*
- *BT1 carboxylic acids
- **NT1** acetylsalicylic acid
- **NT1** benzilic acid
- **NT1** carnitine
- **NT1** citric acid
- **NT1** diiodotyrosine
- **NT1** dopa
- **NT1** eddha
- **NT1** eosin
- **NT1** fluorescein
  - **NT2** erythrosine
- **NT1** galacturonic acid
- **NT1** gallic acid
- **NT1** gibberellic acid
- **NT1** gluconic acid
- **NT1** glucuronic acid
- **NT1** glyceric acid
- **NT1** glycolic acid
- **NT1** hedta
- **NT1** heida
- **NT1** hydroxyproline
- **NT1** hydroxytryptophan
- **NT1** lactic acid
- **NT1** malic acid
- **NT1** mandelic acid
- **NT1** methyl tyrosine
- **NT1** mevalonic acid
- **NT1** pantothenic acid
- **NT1** rose bengal
- **NT1** salicylic acid
- **NT1** serine
- **NT1** shikimic acid
- **NT1** tartaric acid
- **NT1** threonine
- **NT1** thyronine
- **NT1** tyrosine
- *RT* hydroxy compounds
- *RT* lactones

hydroxy-alpha-alanine-beta
Use serine

HYDROXY COMPOUNDS
(For organic compounds only and excluding saccharides, glycosides and hydroxy acids.)
- UF+ *dianabol*

UF+ *kynurenic acid*
UF+ *pregnanediol*
UF+ *pregnanetriol*
UF+ *tmpn*
BT1 organic compounds
NT1 alcohols
NT2 2-methylpropanol
NT2 benzhydrol
NT2 benzyl alcohol
NT2 butanols
NT2 choline
NT2 cyclohexanol
NT2 decanols
NT2 enols
NT2 erythritol
NT2 ethanol
NT2 glycerol
NT2 glycols
NT3 butanediols
NT3 cellosolves
NT3 egta
NT3 pinacol
NT3 polyethylene glycols
NT4 carbowax
NT4 pluronics
NT2 hexanols
NT2 methanol
NT2 metronidazole
NT2 misonidazole
NT2 octanols
NT2 pentanols
NT2 propanols
NT2 pva
NT1 alizarin
NT1 androsterone
NT1 bph
NT1 carminic acid
NT1 chromotropic acid
NT1 corticosteroids
NT2 glucocorticoids
NT3 corticosterone
NT3 cortisone
NT3 dexamethasone
NT3 hydrocortisone
NT3 prednisolone
NT3 prednisone
NT2 mineralocorticoids
NT3 aldosterone
NT1 cupferron
NT1 ephedrine
NT1 estradiol
NT1 estriol
NT1 estrone
NT1 ferron
NT1 folic acid
NT1 guanine
NT1 hydroxamic acids
NT2 benzohydroxamic acid
NT1 hydroxyandrostenone
NT1 hydroxypregnenone
NT1 hydroxyurea
NT1 hypoxanthine
NT1 melanin
NT1 oximes
NT2 benzoinoxime
NT2 dimethylglyoxime
NT1 oxine
NT1 phenols
NT2 cresols
NT2 dinitrophenol
NT2 eriochrome dyes
NT2 naphthols
NT3 1-nitroso-2-naphthol
NT3 nitroso-r salt
NT3 pan
NT3 thorin
NT3 trypan blue
NT2 nitrophenol
NT2 phenol
NT2 phenolphthalein
NT2 picric acid
NT2 polyphenols
NT3 arsenazo
NT3 bromosulfophthalein
NT3 catecholamines
NT3 curcumin
NT3 dopamine
NT3 fluorescein
NT4 erythrosine
NT3 hematoxylin
NT3 morin
NT3 pyridylazoresorcinol
NT3 pyrocatechol
NT3 pyrogallol
NT3 quercetin
NT3 resorcinol
NT3 stilbestrol
NT3 tannic acid
NT3 tiron
NT2 pop
NT2 thymol
NT2 tyramine
NT2 xylenols
NT1 pyridoxine
NT1 quinizarin
NT1 rhodizonic acid
NT1 serotonin
NT2 bufotenine
NT1 sterols
NT2 bile acids
NT3 cholic acid
NT2 cholesterol
NT2 ergosterol
NT2 sitosterol
NT1 testosterone
NT1 thiamine
NT1 uracils
NT2 bromouracils
NT3 budr
NT2 chlorouracils
NT2 deoxyuridine
NT2 fluorouracils
NT3 fudr
NT2 iodouracils
NT3 iododeoxyuridine
NT2 orotic acid
NT2 thiouracil
NT2 thymine
NT2 uridine
RT hydroxy acids
RT hydroxylation
RT inositols

hydroxy-para-cymene
Use thymol

hydroxyacetic acid
Use glycolic acid

HYDROXYANDROSTENONE
UF *dehydroepiandrosterone*
*BT1 androgens
*BT1 hydroxy compounds
*BT1 ketones

hydroxybenzene
Use phenol

hydroxybenzoic acid-ortho
Use salicylic acid

hydroxydiphenylacetic acid
Use benzilic acid

hydroxyethylethylenediaminetri-acetic acid
Use hedta

hydroxyethyliminodiacetic acid
Use heida

hydroxyl ions
Use anions
AND hydroxides

HYDROXYL RADICALS
BT1 radicals
RT hydroxides
RT oxygen compounds

HYDROXYLAMINE
*BT1 amines
RT oximes

hydroxylase
Use hydroxylases

HYDROXYLASES
(Prior to February 1982 HYDROXYLASE was a valid term, and older information is so indexed.)
UF *hydroxylase*
*BT1 oxidoreductases
NT1 tyrosinase

HYDROXYLATION
INIS: Jul 1977; ETDE: Dec 1976
BT1 chemical reactions
RT hydroxides
RT hydroxy compounds

hydroxynaphthalenes
Use naphthols

HYDROXYPREGNENONE
UF *pregnenolone*
*BT1 hydroxy compounds
*BT1 ketones
*BT1 pregnanes
RT progesterone

HYDROXYPROLINE
*BT1 amino acids
*BT1 heterocyclic acids
*BT1 hydroxy acids
*BT1 pyrrolidines
RT collagen
RT proline

hydroxypropionic acid-alpha
Use lactic acid

hydroxypropiophenone
Use pop

hydroxysuccinic acid
Use malic acid

hydroxytoluenes
Use cresols

HYDROXYTRYPTOPHAN
*BT1 amino acids
*BT1 hydroxy acids
*BT1 radioprotective substances
RT tryptophan

HYDROXYUREA
INIS: Apr 2000; ETDE: Mar 1976
*BT1 amides
*BT1 hydroxy compounds

hydroxyxylenes
Use xylenols

hyflex process
Use coal gasification

HYGAS PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Institute of Gas Technology hydrogasification process for producing high-btu gas by slurrying the coal with light oil and using a three-stage gasifier.)
UF *igt hydrogasification process*
*BT1 coal gasification
BT1 sng processes
RT high btu gas

HYGROMETRY
(From November 1981 till March 1997 PSYCHROMETRY was a valid ETDE descriptor.)
UF *psychrometry*
RT humidity
RT moisture gages

HYGROSCOPICITY
RT adsorption

HYLEMYA ANTIQUA
*BT1 flies
RT onions

HYLIFE CONVERTER
INIS: Sep 1979; ETDE: Jan 1979
(High Yield Lithium Injection Fusion Energy Converter.)
*BT1 laser fusion reactors

HYLLERAAS COORDINATES
BT1 coordinates
RT quantum mechanics

hylleraas-scherr-knight procedure
Use hsk procedure

hymenolepis
Use cestodes

HYMENOPTERA
INIS: Jul 1993; ETDE: Jun 1981
*BT1 insects
NT1 ants
NT1 bees
NT1 wasps

hyoscyamine
Use alkaloids

hypaque
Use amides
AND organic iodine compounds
AND sodium compounds

HYPERCHARGE
BT1 particle properties
RT charm particles
RT gauge invariance
RT grace particles
RT taste particles

HYPERCUBE COMPUTERS
INIS: Oct 1991; ETDE: Oct 1987
(Computer architecture in which each processor has its own memory and is connected to a number of other processors.)
BT1 computers
RT array processors
RT supercomputers

HYPERFINE STRUCTURE
UF *hfs*
RT spectra

hyperfragments
Use hypernuclei

HYPERGEOMETRIC FUNCTIONS
BT1 functions

HYPERGLYCEMIA
RT saccharides

HYPERNUCLEI
UF *hyperfragments*
BT1 nuclear fragments
BT1 nuclei
RT hyperons

HYPERON BEAMS
(Prior to March 1997 OMEGA PARTICLE BEAMS was a valid ETDE descriptor; prior to August 1996 XI PARTICLE BEAMS was a valid ETDE descriptor.)
UF *omega particle beams*
UF *xi particle beams*
*BT1 particle beams
NT1 lambda particle beams
NT1 sigma particle beams

HYPERON-HYPERON INTERACTIONS
*BT1 baryon-baryon interactions

HYPERON REACTIONS
*BT1 baryon reactions

HYPERONS
UF *strange baryons*
*BT1 baryons
*BT1 strange particles
NT1 antihyperons
NT2 antilambda particles
NT2 antiomega particles
NT2 antisigma particles
NT2 antixi particles
NT1 lambda baryons
NT2 lambda particles
NT3 antilambda particles
NT2 lambda-1405 baryons
NT2 lambda-1520 baryons
NT2 lambda-1600 baryons
NT2 lambda-1670 baryons
NT2 lambda-1690 baryons
NT2 lambda-1800 baryons
NT2 lambda-1810 baryons
NT2 lambda-1820 baryons
NT2 lambda-1830 baryons
NT2 lambda-1890 baryons
NT2 lambda-2100 baryons
NT2 lambda-2110 baryons
NT1 lambda-n-2130 dibaryons
NT1 omega baryons
NT2 omega particles
NT3 antiomega particles
NT3 omega minus particles
NT2 omega-2250 baryons
NT1 sigma baryons
NT2 sigma particles
NT3 antisigma particles
NT3 sigma minus particles
NT3 sigma neutral particles
NT3 sigma plus particles
NT2 sigma-1385 baryons
NT2 sigma-1660 baryons
NT2 sigma-1670 baryons
NT2 sigma-1750 baryons
NT2 sigma-1770 baryons
NT2 sigma-1775 baryons
NT2 sigma-1915 baryons
NT2 sigma-1940 baryons
NT2 sigma-2030 baryons
NT2 sigma-2455 baryons
NT1 xi baryons
NT2 xi particles
NT3 antixi particles
NT3 xi minus particles
NT3 xi neutral particles
NT2 xi-1530 baryons
NT2 xi-1690 baryons
NT2 xi-1820 baryons
NT2 xi-1950 baryons
NT2 xi-2030 baryons
NT2 xi-2250 baryons
NT2 xi-2500 baryons
NT1 z*baryons
RT hypernuclei

HYPERPARATHYROIDISM
INIS: Dec 1984; ETDE: Dec 1984
*BT1 endocrine diseases
RT bone tissues
RT calcium
RT parathyroid glands

HYPERSONIC FLOW
BT1 fluid flow

HYPERTENSION
*BT1 cardiovascular diseases
BT1 symptoms
*BT1 vascular diseases
RT antihypertensive agents
RT biological stress
RT blood pressure

HYPERTHERMIA
INIS: Feb 1981; ETDE: Jul 1976
BT1 body temperature
RT fever
RT heat stress
RT hypothermia

HYPERTHYROIDISM
UF *basedow's disease*
UF *thyrotoxicosis*
*BT1 endocrine diseases
RT antithyroid drugs
RT goiter
RT pbi
RT thyroid hormones

HYPERTONIC SOLUTIONS
*BT1 solutions
RT isotonic solutions
RT osmosis

HYPERTROPHY
BT1 pathological changes

HYPNOTICS AND SEDATIVES
UF *sedatives*
*BT1 central nervous system depressants
NT1 barbiturates
NT2 nembutal
NT2 phenobarbital
NT1 chlorpromazine
NT1 codeine
NT1 reserpine
RT analgesics
RT anesthetics
RT narcotics
RT sleep
RT tranquilizers

HYPOCENTERS
INIS: Apr 2000; ETDE: Oct 1978
(Subterranean sources of earthquakes; also, centers of subterranean areas in which the energy of earthquakes is supposed to be concentrated.)
RT earthquakes

HYPOCHLOROUS ACID
*BT1 chlorine compounds
*BT1 inorganic acids
BT1 oxygen compounds

HYPOFLUOROUS ACID
INIS: Mar 1994; ETDE: Dec 1977
*BT1 fluorine compounds
*BT1 inorganic acids
BT1 oxygen compounds

HYPOIODOUS ACID
INIS: Dec 1980; ETDE: Jan 1981
*BT1 inorganic acids
*BT1 iodine compounds
BT1 oxygen compounds

hypophosphites
Use hypophosphorous acid

HYPOPHOSPHOROUS ACID
UF *hypophosphites*
*BT1 inorganic acids
BT1 oxygen compounds
BT1 phosphorus compounds

HYPOPHYSECTOMY
*BT1 surgery
RT hypothalamus
RT pituitary gland
RT pituitary hormones

hypophysis
Use pituitary gland

HYPOTENSION
RT biological stress
RT blood pressure

HYPOTHALAMUS
*BT1 brain
RT autonomic nervous system
RT endocrine glands
RT homeostasis
RT hypophysectomy
RT metabolism
RT pituitary gland
RT trh

HYPOTHERMIA
BT1 body temperature
RT hibernation
RT hyperthermia

HYPOTHESIS
NT1 ergodic hypothesis
NT1 limiting fragmentation
NT1 mach principle
NT1 negative mass
RT comparative evaluations
RT functional models
RT mathematical models
RT structural models

HYPOTHYROIDISM
UF *myxedema*
*BT1 endocrine diseases
RT antithyroid drugs
RT goiter
RT pbi
RT thyroid hormones

HYPOXANTHINE
*BT1 hydroxy compounds
*BT1 purines
RT inosine
RT nucleotides
RT xanthines

HYPOXANTHINE PHOSPHORIBOSYLTRANSFERASE
INIS: Apr 2000; ETDE: Jun 1981
UF *hypoxanthine quanine phosphoribosyltransferase*
*BT1 pentosyl transferases

hypoxanthine quanine phosphoribosyltransferase
Use hypoxanthine phosphoribosyltransferase

hypoxia
Use anoxia

HYSTERESIS
RT damping
RT energy losses
RT internal friction
RT tolerance

HYTORT PROCESS
INIS: Apr 2000; ETDE: Aug 1979
(Direct, non-catalytic hydrogeneration of kerogen at high pressures and controlled heat-up rates; developed by IGT.)
RT black shales
RT retorting

HZ RANGE
BT1 frequency range

I

i-beam type reactors
Use ion beam fusion reactors

I CENTERS
(Interstitial halogen-ion centers)
*BT1 color centers
*BT1 interstitials

I CODES
BT1 computer codes

I G PROCESS
INIS: Apr 2000; ETDE: Jan 1975
*BT1 coal gasification

i-inositol
Use inositol

i-v characteristic
Use electric conductivity

IAEA
UF *international atomic energy agency*
BT1 international organizations
NT1 ictp
NT1 ilmr
NT1 seibersdorf iaea laboratory
RT austria
RT canare
RT cenna
RT cscnd
RT iaea agreements
RT iaea safeguards
RT icns
RT inis
RT recommendations
RT united nations

IAEA AGREEMENTS
*BT1 international agreements
RT iaea
RT legal aspects

IAEA SAFEGUARDS
BT1 safeguards
RT iaea

iaea seibersdorf laboratory
Use seibersdorf iaea laboratory

IAN
INIS: May 1987; ETDE: Jun 1987
(Instituto de Asuntos Nucleares, Bogota.)
*BT1 colombian organizations

IAN-R1 REACTOR
(Institute of Nuclear Affairs, Bogota, Colombia.)
UF *instituto de asuntos nucleares r1*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

IANTHINITE
*BT1 oxide minerals
*BT1 uranium minerals
RT uranium oxides

IBM COMPUTERS
BT1 computers

ibr-1 reactor
Use ifr reactor

IBR-2 REACTOR
INIS: Jan 1978; ETDE: Jan 1975
UF *dubna ibr-2 reactor*
UF *dubna pulsed reactor*
*BT1 fast reactors
*BT1 pulsed reactors
*BT1 research reactors

IBR-30 REACTOR
(Dubna, Russian Federation)
*BT1 fast reactors
*BT1 pulsed reactors
*BT1 research reactors

ICE
NT1 frost
NT1 ice caps
NT1 icebergs
RT antarctic regions
RT arctic regions
RT cryosphere
RT defrosting
RT glaciers
RT hail
RT slush
RT snow
RT water

ICE CAPS
INIS: Jan 1992; ETDE: Jul 1986
(Perennial cover of ice and snow on a land mass.)
BT1 ice
RT antarctic regions
RT arctic regions
RT cryosphere
RT glaciers
RT icebergs
RT mountains

ICE CONDENSERS
INIS: Jan 1977; ETDE: Apr 1975
(A steam condenser using ice as the heat sink. Incorporated for example in the containment systems of McGuire, Watts Bar and other reactors.)
UF *condensers (using ice)*
*BT1 steam condensers
RT containment systems
RT cooling
RT reactor cooling systems

ICEBERGS
INIS: Jul 1992; ETDE: Aug 1979
- BT1 ice
- *RT* cryosphere
- *RT* ice caps

icebreaker arktika reactor
- Use leonid brezhnev reactor

icebreaker lenin reactor
- Use lenin reactor

icebreaker leonid brezhnev reactor
- Use leonid brezhnev reactor

icebreaker sibir reactor
- Use sibir reactor

ICELAND
- BT1 developing countries
- BT1 islands
- *BT1 western europe
- *RT* atlantic ocean
- *RT* krafla geothermal field
- *RT* namafjall geothermal field
- *RT* oecd

ices
- Use ices program

ICES PROGRAM
INIS: Apr 2000; ETDE: Jun 1977
(Program to develop community-scale energy systems, integrating community design planning and energy technology concepts. Prior to February 1992, this subject was indexed by ICES.)
- UF *ices*
- UF *integrated community energy systems*
- BT1 energy systems
- **NT1** thermal transmission ices
- *RT* communities
- *RT* energy facilities
- *RT* heating
- *RT* ieus
- *RT* mius
- *RT* total energy systems

ICF DEVICES
INIS: Aug 1984; ETDE: Oct 1984
- UF *inertial confinement fusion devices*
- BT1 thermonuclear devices
- **NT1** angara-5 device
- *RT* aurora facility
- *RT* cascade reactors
- *RT* diode-pumped solid state lasers
- *RT* electron beam fusion reactors
- *RT* inertial confinement
- *RT* ion beam fusion reactors
- *RT* laser fusion reactors
- *RT* us national ignition facility

icf targets
- *See* electron beam targets
- *OR* ion beam targets
- *OR* laser targets

ICHTHAMMOL
INIS: Apr 2000; ETDE: Jan 1975
(A brownish black viscous liquid prepared from a distillate of bituminous schists by sulfonation followed by neutralization with ammonia. It is used as an antiseptic and emollient.)
- UF *ichthyol*
- *RT* oil shales
- *RT* shale oil

ichthyol
- Use ichthammol

ICHTHYOPLANKTON
INIS: Jun 1993; ETDE: Mar 1979
(The microscopic free-floating eggs and larvae of fish.)
- *BT1 plankton
- *RT* anadromous fishes
- *RT* eggs
- *RT* fathead minnow
- *RT* fishes
- *RT* larvae

ici process
- Use desulfurization

ICL COMPUTERS
- BT1 computers

ICNS
INIS: Dec 1999; ETDE: Nov 1999
(International Convention on Nuclear Safety)
- UF *convention on nuclear safety*
- UF *international convention on nuclear safety*
- UF *nuclear safety convention*
- *BT1 international agreements
- *RT* iaea
- *RT* radiation protection
- *RT* reactor safety

iconoscopes
- Use camera tubes

ICP MASS SPECTROSCOPY
INIS: Oct 1993; ETDE: Nov 1993
(Inductively Coupled Plasma mass spectroscopy.)
- *BT1 mass spectroscopy
- *RT* chemical analysis
- *RT* mass spectra
- *RT* mass spectrometers
- *RT* resonance ionization mass spectroscopy

icr
- Use ion cyclotron-resonance

ICR HEATING
- UF *ion cyclotron-resonance heating*
- *BT1 high-frequency heating
- *RT* cyclotron radiation
- *RT* ion cyclotron-resonance

ICRP
- UF *international commission radiological protection*
- BT1 international organizations
- *RT* alara
- *RT* cuex
- *RT* icru
- *RT* radiation protection
- *RT* recommendations
- *RT* reference man

ICRP CRITICAL GROUP
(Out of a general population, the group of persons most highly exposed to radiation by virtue of their occupations, diets, habits, etc.)
- UF *critical group (icrp)*
- *RT* body burden
- *RT* diet
- *RT* human populations
- *RT* occupational exposure
- *RT* occupations
- *RT* radiation doses
- *RT* radiation hazards
- *RT* working conditions

ICRU
- UF *international commission radiation units*
- BT1 international organizations
- *RT* dosimetry
- *RT* icrp
- *RT* radiation dose units
- *RT* recommendations

icsd
- Use smoke detectors

ICTP
INIS: Nov 1979; ETDE: Nov 1979
(International Centre for Theoretical Physics, Trieste.)
- UF *international center for theoretical physics*
- *BT1 iaea

IDAHO
- *BT1 usa
- *RT* columbia river basin
- *RT* raft river valley
- *RT* snake river plain
- *RT* western us overthrust belt
- *RT* yellowstone national park

idaho advanced test reactor
- Use atr reactor

IDAHO CHEMICAL PROCESSING PLANT
- *BT1 fuel reprocessing plants
- *BT1 us aec
- *BT1 us doe
- *BT1 us erda

idaho materials testing reactor
- Use mtr reactor

IDAHO NATIONAL ENGINEERING LABORATORY
INIS: May 1976; ETDE: Dec 1975
(Until 1976 known as NRTS and older material is so indexed.)
- UF *inel*
- UF *national reactor testing station*
- UF *nrts*
- *BT1 us doe
- *BT1 us erda

IDEAL FLOW
INIS: Mar 1986; ETDE: Jun 1975
- UF *frictionless flow*
- UF *inviscid flow*
- UF *nonviscous flow*
- *BT1 incompressible flow
- *BT1 steady flow
- *RT* laminar flow

IDENTIFICATION SYSTEMS
INIS: Dec 1985; ETDE: May 1980
(For persons or objects. Not for systems for PARTICLE IDENTIFICATION.)
- *RT* control systems
- *RT* data acquisition systems
- *RT* entry control systems
- *RT* nuclear materials management
- *RT* pattern recognition
- *RT* physical protection devices
- *RT* safeguards
- *RT* secrecy protection
- *RT* security

iea
- Use international energy agency

IEA-ZPR REACTOR
(Zero power reactor at Instituto de Energia Atomica, Sao Paulo, Brazil.)
- UF *instituto de energia atomica zpr*
- UF *sao paulo iea zero power reactor*
- *BT1 graphite moderated reactors
- *BT1 helium cooled reactors

*BT1 research reactors
*BT1 zero power reactors
RT enriched uranium reactors
RT thorium reactors

IEAR-1 REACTOR

(Research reactor at Instituto de Energia Atomica, Sao Paulo, Brazil.)
UF *instituto de energia atomica r1*
UF *sao paulo iear-1 reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

IEUS

INIS: Apr 2000; ETDE: Dec 1978
UF *integrated energy utility systems*
BT1 energy systems
NT1 mius
RT ices program
RT public utilities
RT total energy systems

IFIEC

INIS: Dec 1991; ETDE: Jan 1992
(International Federation of Industrial Energy Consumers)
UF *international federation of industrial energy consumers*
BT1 international organizations
RT industry
RT international cooperation

IFIP

UF *international food irradiation project*
*BT1 coordinated research programs
RT food
RT irradiation procedures
RT preservation
RT radappertization
RT radicidation
RT radurization

ifp process

Use desulfurization

IFR REACTOR

UF *ibr-1 reactor*
*BT1 fast reactors
*BT1 zero power reactors

ifve

Use ihep

IGCAR

INIS: Mar 1977; ETDE: Mar 1989
(Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamilnadu, India.)
UF *kalpakkam reactor research center*
UF *rrc, kalpakkam*
*BT1 indian organizations

IGNALINA-1 REACTOR

INIS: Feb 1996; ETDE: Feb 1996
(Until February 1996 this descriptor was spelled IGNALINSK-1 REACTOR.)
UF *ignalinsk-1 reactor*
UF *rbmk-1500 reactor*
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

IGNALINA-2 REACTOR

INIS: Feb 1996; ETDE: Feb 1996
(Until February 1996 this descriptor was spelled IGNALINSK-2 REACTOR.)
UF *ignalinsk-2 reactor*
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

ignalinsk-1 reactor

Use ignalina-1 reactor

ignalinsk-2 reactor

Use ignalina-2 reactor

IGNEOUS ROCKS

UF+ *crystalline rocks*
BT1 rocks
NT1 lava
NT1 plutonic rocks
NT2 diorites
NT2 gabbros
NT3 anorthosites
NT2 granites
NT3 aplites
NT3 granodiorites
NT3 quartz monzonite
NT2 pegmatites
NT2 peridotites
NT3 kimberlites
NT2 syenites
NT1 volcanic rocks
NT2 andesites
NT2 basalt
NT3 diabases
NT2 lamprophyres
NT3 kimberlites
NT2 nepheline basalts
NT2 perlite
NT2 rhyolites
NT2 trachytes
NT2 tuff
RT basement rock
RT magma
RT magmatism

IGNITION

INIS: Sep 1992; ETDE: Aug 1975
RT combustion
RT combustion waves
RT detonation waves
RT flames
RT flammability
RT ignition systems

ignition (thermonuclear)

Use thermonuclear ignition

IGNITION QUALITY

INIS: Apr 2000; ETDE: Jan 1975
RT antiknock ratings
RT combustion

IGNITION SPHERICAL TORUS

INIS: Jan 1989; ETDE: Apr 1987
(Small aspect ratio device retaining only indispensable components along the major axis of a tokamak plasma, such as a cooled, normal conductor producing a toroidal magnetic field.)
*BT1 tokamak devices
RT compact torus

IGNITION SYSTEMS

INIS: Jul 1984; ETDE: May 1976
(Not for THERMONUCLEAR IGNITION.)
RT automobiles
RT combustion
RT combustors
RT ignition
RT internal combustion engines

IGNITRONS

*BT1 gas discharge tubes
*BT1 rectifier tubes

IGR REACTOR

Nov 2003
(National Nuclear Center of the Republic of Kazakhstan, Kurchatov city, East Kazakhstan.)
UF *experimental graphite reactor*
UF *impulse graphite reactor*
UF *kazakhstan igr reactor*
UF *pulsed graphite reactor*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 graphite moderated reactors
*BT1 materials testing reactors
*BT1 pulsed reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

igt biothermal gasification

Use biothermgas process

igt dehydrodesulfurization process

Use desulfurization

igt hydrogasification process

Use hygas process

igt waste process

Use biogas process

igy

Use international geophysical year

IHEP

INIS: Oct 1975; ETDE: Dec 1975
(Institute for High Energy Physics, Serpukhov, Russian Federation)
UF *ifve*
UF *inst fiziki vysokikh ehnergij*
UF *institute for high energy physics*
*BT1 russian organizations
RT serpukhov synchrotron

iisnr reactor

Use thetis reactor

IKATA-2 REACTOR

INIS: Nov 1985; ETDE: Dec 1985
(Ikata, Ehime, Japan)
*BT1 pwr type reactors

IKATA-3 REACTOR

INIS: Oct 1989; ETDE: Nov 1989
(Ikata, Ehime, Japan.)
*BT1 pwr type reactors

IKATA REACTOR

(Ikata, Ehime, Japan)
*BT1 pwr type reactors

IKO

INIS: Jul 1978; ETDE: Sep 1978
UF *inst v kernph onder amsterdam*
UF *nuclear physics research institute amsterdam*
*BT1 netherlands organizations

IKO SYNCHROCYCLOTRON

(IKO - Nuclear Physics Research Institute, Amsterdam)
*BT1 synchrocyclotrons

ileum

Use small intestine

illiac computers

Use computers

illinium

Use promethium

ILLINOIS
*BT1 usa
NT1 chicago
RT anl
RT chattanooga formation
RT fermilab
RT illinois basin
RT mississippi river
RT ohio river

ILLINOIS BASIN
INIS: Jun 1992; ETDE: Jul 1980
(The geographic area that includes all of the coal reserves of Illinois, Indiana, and the western part of Kentucky.)
RT coal deposits
RT illinois
RT indiana
RT kentucky

illinois university triga-mk-2 reactor
Use triga-2-illinois reactor

ILLITE
(A general term for the clay-mineral constituent of argillaceous sediments belonging to the mica group.)
*BT1 clays

ILLIUM
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium alloys
*BT1 copper alloys
*BT1 molybdenum alloys
*BT1 nickel base alloys

ILLUMINANCE
INIS: Jul 1986; ETDE: Oct 1981
(Density of luminous flux on a surface.)
UF *illumination*
UF *luminous flux density*
RT albedo
RT brightness
RT daylighting
RT lighting systems
RT optics

illumination
Use illuminance

illumination systems
Use lighting systems

ILMENITE
(An iron-black, opaque, rhombohedral mineral.)
*BT1 oxide minerals
RT iron oxides
RT titanium oxides

ILMR
INIS: Mar 1987; ETDE: Nov 1987
(IAEA Marine Environment Laboratory)
*BT1 iaea

ILO
UF *international labour organisation*
BT1 international organizations
RT united nations
RT work

ILVAITE
INIS: Feb 1978; ETDE: Apr 1978
*BT1 silicate minerals
RT calcium silicates
RT iron silicates

IMAGE CONVERTERS
UF *converters (image)*
BT1 image tubes
RT image intensifiers
RT image processing

IMAGE INTENSIFIERS
UF *intensifiers (image)*
RT fluoroscopy
RT image converters
RT image processing
RT radiation protection

IMAGE PROCESSING
INIS: Nov 1977; ETDE: Jun 1977
(Procedure for restoring or enhancing images, often by computer.)
UF *processing (images)*
BT1 processing
RT cat scanning
RT computerized tomography
RT data processing
RT digital filters
RT ecat scanning
RT image converters
RT image intensifiers
RT image scanners
RT images
RT photocopying
RT photography
RT radioisotope scanners
RT video tapes

IMAGE SCANNERS
UF *scanners (image)*
UF+ *optical scanners*
UF+ *scanners (optical)*
RT computerized tomography
RT data processing
RT digitizers
RT electronic equipment
RT image processing
RT particle tracks
RT pattern recognition
RT photographic films
RT photon computed tomography
RT proton computed tomography
RT radioisotope scanners
RT sequential scanning

IMAGE STORAGE TUBES
UF+ *storage tubes*
BT1 image tubes

IMAGE TUBES
NT1 camera tubes
NT2 vidicons
NT1 image converters
NT1 image storage tubes
RT cathode ray tubes
RT display devices
RT electron tubes
RT images
RT pattern recognition
RT photoelectric cells

IMAGES
UF *autoradiographs*
UF *photographs*
UF *radiographs*
RT display devices
RT image processing
RT image tubes
RT nuclear emulsions
RT pattern recognition
RT photographic films
RT radioisotope scanners
RT scintiscanning
RT video tapes

imatran voima-1 reactor
Use loviisa-1 reactor

imatran voima-2 reactor
Use loviisa-2 reactor

imatran voima power reactor
Use loviisa-1 reactor

imco
Use imo

IMIDAZOLES
(Compounds that contain a five-membered heterocyclic ring containing nitrogen atoms in the 1 and 3 positions.)
UF *cmni*
UF+ *parabanic acid*
*BT1 azoles
NT1 allantoin
NT1 benzimidazoles
NT1 biotin
NT1 creatinine
NT1 histamine
NT1 histidine
NT1 hydantoins
NT1 metronidazole
NT1 misonidazole
NT1 urocanic acid

IMIDES
*BT1 organic nitrogen compounds
NT1 nem
RT dicarboxylic acids

imidines
Use organic nitrogen compounds

IMINES
(For aldehyde and ketone derivatives only, i.e., for compounds containing the =N- group; for those containing the -NH- group, see ORGANIC NITROGEN COMPOUNDS or appropriate specific descriptors listed thereunder.)
*BT1 organic nitrogen compounds
NT1 creatinine
NT1 schiff bases
RT aldehydes
RT guanidines
RT ketones

iminoamides
Use amidines

iminourea
Use guanidines

IMIPRAMINE
*BT1 amines
*BT1 antidepressants
*BT1 heterocyclic compounds
*BT1 organic nitrogen compounds

immediate radiation effects
Use early radiation effects

immobilization (wastes)
See solidification
OR vitrification

IMMOBILIZED CELLS
INIS: Aug 1983; ETDE: Sep 1980
(Microbial cells which have been entrained on gels.)
SF *cells (immobilized)*
RT biotechnology
RT immobilized enzymes
RT microorganisms

IMMOBILIZED ENZYMES
INIS: Apr 2000; ETDE: Jan 1980
(Stable, reuseable enzymes obtained by immobilizing naturally occurring enzymes onto solid supports by means of various chemical techniques.)
RT enzymes

RT immobilized cells

IMMUNE REACTIONS
(Limited to immune reactions to foreign antigens in vivo.)
RT aids virus
RT antigen-antibody reactions
RT immunity
RT phagocytosis
RT toxoids

immune sera
Use immune serums

IMMUNE SERUMS
UF *antiserum*
UF *immune sera*
UF *serum (immune)*
RT antibodies
RT blood serum
RT inoculation

IMMUNE SYSTEM DISEASES
INIS: Jul 1991; ETDE: Jun 1988
BT1 diseases
NT1 aids
NT1 leukemia
NT2 myeloid leukemia
NT1 leukopenia
NT2 lymphopenia
NT1 lupus
NT1 lymphomas
NT2 hodgkins disease
NT2 lymphosarcomas
RT allergy
RT asthma
RT complement
RT histocompatibility complex
RT leukopoiesis
RT lymph nodes
RT lymphocytes
RT reticuloendothelial system
RT spleen
RT thymus

immune tolerance
Use immunity

IMMUNITY
UF *compatibility (immunological)*
UF *immune tolerance*
UF+ *c-reactive protein*
RT aids
RT aids virus
RT allergy
RT anaphylaxis
RT antibodies
RT antibody formation
RT antigen-antibody reactions
RT antigens
RT chimeras
RT disease resistance
RT graft-host reaction
RT hemolysis
RT immune reactions
RT immunoglobulins
RT immunology
RT immunosuppression
RT inoculation
RT interferon
RT lymphocytes
RT lymphokines
RT natural killer cells
RT preventive medicine
RT radioimmunology
RT receptors
RT thymectomy
RT toxoids
RT transplants
RT vaccines

IMMUNOASSAY
INIS: Feb 1988; ETDE: Apr 1987
BT1 bioassay
NT1 enzyme immunoassay
NT1 radioimmunoassay

IMMUNOGLOBULINS
*BT1 globulins
RT gene amplification
RT immunity

IMMUNOLOGY
NT1 radioimmunology
RT immunity
RT mitogens

IMMUNOSUPPRESSION
RT antimitotic drugs
RT cyclosporine
RT endoxan
RT glucocorticoids
RT histocompatibility complex
RT immunity
RT immunosuppressive drugs
RT transplants

IMMUNOSUPPRESSIVE DRUGS
INIS: Jul 1992; ETDE: Jan 1975
BT1 drugs
NT1 cyclosporine
NT1 endoxan
RT immunosuppression
RT immunotherapy

IMMUNOTHERAPY
INIS: May 1981; ETDE: Jun 1978
*BT1 therapy
NT1 radioimmunotherapy
RT corynebacterium parvum
RT immunosuppressive drugs

IMO
INIS: Jul 2001; ETDE: Nov 1999
UF *imco*
UF *inter-governmental maritime consultative organization*
UF *international maritime consultative organization*
UF *international maritime organization*
BT1 international organizations
RT united nations

IMP DEVICE
*BT1 magnetic mirrors

IMP SATELLITES
BT1 satellites

IMPACT FUSION
INIS: Jun 1981; ETDE: Oct 1979
(Achieved by the acceleration of a DT-bearing projectile and subsequent impact with a stationary target or a similarly accelerated projectile.)
*BT1 thermonuclear reactions
RT inertial confinement
RT magnetic gradient accelerators
RT railgun accelerators

IMPACT FUSION DRIVERS
INIS: Oct 1982; ETDE: Jan 1980
(Macroparticle accelerators to be used in inertial confinement fusion.)
BT1 inertial fusion drivers
NT1 magnetic gradient accelerators
RT accelerators
RT plasma guns
RT railgun accelerators

IMPACT PARAMETER
RT nuclear reactions
RT peripheral collisions
RT scattering

IMPACT SHOCK
UF *shock (impact)*
RT damage
RT failures
RT impact strength
RT missile protection
RT potting
RT shock absorbers
RT shock waves
RT water hammer

IMPACT STRENGTH
UF *strength (impact)*
BT1 mechanical properties
RT impact shock
RT impact tests

IMPACT TESTS
*BT1 mechanical tests
NT1 charpy test
RT destructive testing
RT impact strength
RT notches

IMPEDANCE
NT1 electric impedance
NT1 mechanical impedance

imperfections
Use defects

IMPERIAL VALLEY
INIS: Jun 1992; ETDE: Feb 1975
BT1 valleys
RT california
RT east mesa geothermal field
RT geothermal fields
RT salton sea
RT watersheds

impermeable dry rock
Use hot-dry-rock systems

IMPINGEMENT
INIS: Dec 1982; ETDE: Jun 1975
(Until May 1996 this concept was indexed to FOULING and SCREENS.)
RT entrainment
RT fouling
RT intake structures
RT screens

implanted sources
Use radiation source implants

IMPLANTS
INIS: Nov 1981; ETDE: Jul 1978
(For emplacement of materials into organisms; not for ION IMPLANTATION, CRYSTAL DOPING, etc.)
NT1 radiation source implants
RT injection

IMPLEMENTATION
INIS: Mar 1985; ETDE: Oct 1976
(Provision of instruments or means of accomplishing or carrying out plans, orders, laws, etc.)
RT administrative procedures
RT agreements
RT enforcement
RT feasibility studies
RT government policies
RT legislation
RT planning
RT recommendations
RT regulations

IMPLOSIONS
NT1 laser implosions
NT2 direct drive laser implosion
NT2 indirect drive laser implosion
RT explosions
RT linus reactors
RT shock waves

import taxes
Use tariffs

importance function (neutron)
Use neutron importance function

IMPORTS
INIS: Feb 1992; ETDE: Jun 1978
(Goods or services brought from another country. Until February 1992 this concept was indexed by TRADE.)
BT1 trade
RT domestic supplies
RT exports
RT foreign policy
RT oil-importing countries
RT sales
RT tariffs

IMPREGNATION
(The infusion or permeation of one substance into another.)
RT adsorption

improvement ratio
Use formation damage

impulse
Use pulses

impulse (linear momentum)
Use linear momentum

impulse (pulses)
Use pulses

IMPULSE APPROXIMATION
RT bound state
RT coupling
RT scattering

impulse graphite reactor
Use igr reactor

IMPURITIES
(Unwanted constituents only, not for metal and nonmetal additions, or for the concepts covered by TRACE AMOUNTS and INTERFERING ELEMENTS.)
UF *purity*
NT1 plasma impurities
RT activation analysis
RT contamination
RT inclusions
RT interfering elements
RT jesse effect
RT microanalysis
RT plasma
RT purification
RT segregation
RT substoichiometry
RT trace amounts

impurity study experimental tokamak
Use isx tokamak

ims
Use international magnetospheric study

IMS STELLARATOR
INIS: Dec 1990; ETDE: Aug 1991
(Interchangeable Module Stellarator at University of Wisconsin, Madison, Wisconsin, USA.)
*BT1 stellarators

in 519
Use chromium alloys
AND iron base alloys
AND nickel alloys
AND niobium alloys

IN-BEAM SPECTROSCOPY
INIS: Jun 1977; ETDE: Oct 1977
BT1 spectroscopy

in-core fuel management
Use fuel management

IN CORE INSTRUMENTS
(See also specific instruments plus FUEL ASSEMBLIES or REACTOR CORES.)
BT1 reactor instrumentation
NT1 noise thermometers
RT acoustic monitoring
RT in-service inspection
RT positioning
RT reactor cores
RT temperature monitoring

in-core thermionic reactor
Use beryllium moderated reactors
AND enriched uranium reactors
AND thermionic reactors
AND zero power reactors

IN-COUNTRY DETECTION
INIS: Apr 2000; ETDE: Apr 1987
(That part of the test ban verification process in which seismic data are collected from locations within the country.)
*BT1 seismic detection
RT nuclear explosion detection
RT nuclear explosions
RT on-site inspection
RT underground explosions

IN PILE LOOPS
UF *loops (in pile)*
*BT1 reactor experimental facilities
RT experimental channels
RT irradiation capsules

IN-SERVICE INSPECTION
INIS: Jun 1977; ETDE: Apr 1977
BT1 inspection
RT in core instruments
RT nondestructive testing
RT reactor maintenance

IN-SITU COMBUSTION
INIS: Apr 2000; ETDE: May 1976
(Air is injected into a well ignition is caused to occur at the input well, and a combustion zone is propagated within the reservoir rock to nearby producing wells.)
UF *fire flooding*
*BT1 combustion
*BT1 in-situ processing
RT in-situ gasification
RT in-situ retorting
RT reverse combustion
RT thermal recovery

IN-SITU GASIFICATION
INIS: Apr 2000; ETDE: Feb 1975
UF *underground gasification*
UF+ *holzheimer process*
*BT1 gasification
*BT1 in-situ processing
RT coal gasification
RT electrolinking
RT in-situ combustion

in situ hybridization
Use in-situ hybridization

IN-SITU HYBRIDIZATION
UF *in situ hybridization*
*BT1 nucleic acid hybridization
RT chromosomes
RT dna
RT dna hybridization
RT genes
RT genetic mapping
RT rna

IN-SITU LIQUEFACTION
INIS: Apr 2000; ETDE: Feb 1975
*BT1 in-situ processing
*BT1 liquefaction

IN-SITU PROCESSING
BT1 processing
NT1 in-situ combustion
NT1 in-situ gasification
NT1 in-situ liquefaction
NT1 in-situ retorting
NT1 solution mining
RT leachates
RT leaching
RT modified in-situ processes
RT oil shales
RT ore processing
RT retorting
RT underground explosions

IN-SITU RETORTING
INIS: Apr 2000; ETDE: Feb 1975
UF+ *ljungstrom process*
*BT1 in-situ processing
*BT1 retorting
RT in-situ combustion
RT oil shales
RT rise

in utero irradiation
Use prenatal irradiation

IN-VESSEL HEAT EXCHANGERS
BT1 heat exchangers

IN VITRO
(As opposite to in vivo.)
RT cell cultures
RT clone cells
RT culture media
RT hela cells
RT homogenates
RT l cells
RT tissue cultures

IN VIVO
(To be used only to differentiate from in vitro studies at the cellular or tissue level.)
RT animal tissues
RT cell division
RT cell proliferation
RT organs
RT plant cells
RT tumor cells

INACTIVATION
RT inhibition
RT preservation
RT sterilization

incandescent lamps
Use light bulbs

incentives
See financial incentives

INCIDENCE ANGLE
INIS: Apr 1984; ETDE: Jan 1980
(Use only when the incidence angle is a significant parameter.)
UF *angle (incidence)*
UF *angle of incidence*
RT angular distribution
RT inclination
RT optics
RT orientation
RT reflection
RT refraction
RT scattering

incidents
Use accidents

incineration
Use combustion

INCINERATORS
UF *kiln incinerators*
NT1 waterwall incinerators
RT burners
RT combustion
RT furnaces

INCLINATION
(Angle between velocity vector of a charged particle and the magnetic field in which particle moves.)
UF *angle of inclination*
UF *pitch angle*
RT geomagnetic field
RT incidence angle
RT tilt mechanisms

INCLINED STRATA
INIS: Jul 1992; ETDE: Mar 1980
*BT1 geologic strata
RT coal seams
RT geologic deposits

inclusion complexes
Use clathrates

INCLUSIONS
RT castings
RT crystal defects
RT impurities
RT ion implantation
RT microstructure
RT trace amounts

inclusive distribution
Use distribution
AND inclusive interactions

INCLUSIVE INTERACTIONS
(The group of all interactions of two particles producing a specific final state.)
UF+ *inclusive distribution*
*BT1 particle interactions
NT1 semi-inclusive interactions
RT exclusive interactions
RT limiting fragmentation
RT nuclear fireball model

INCOHERENT PRODUCTION
*BT1 particle interactions
BT1 particle production
RT coherent tube model

INCOHERENT SCATTERING
BT1 scattering
RT diffuse scattering
RT inelastic scattering

INCOLOY 800
INIS: Nov 1983; ETDE: Dec 1974
UF *alloy 800*
*BT1 alloy-fe46ni33cr21

INCOLOY 800H
INIS: Nov 1983; ETDE: Feb 1982
UF *alloy 800h*
UF *alloy-800h (incoloy)*
*BT1 alloy-fe44ni33cr21

INCOLOY 802
INIS: Feb 1983; ETDE: Aug 1979
UF *alloy-802 (incoloy)*
*BT1 alloy-fe46ni33cr21

INCOLOY 825
INIS: Nov 1983; ETDE: Sep 1980
UF *alloy-825 (incoloy)*
*BT1 alloy-ni43fe30cr22mo3

INCOLOY 901
INIS: Nov 1983; ETDE: Dec 1974
UF *alloy-901 (incoloy)*
*BT1 aluminium additions
*BT1 boron additions
*BT1 chromium alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 incoloy alloys
*BT1 iron alloys
*BT1 molybdenum alloys
*BT1 nickel base alloys
*BT1 titanium alloys

INCOLOY ALLOYS
UF+ *alloy-ni42fe36cr12mo6ti3*
BT1 alloys
NT1 alloy-fe44ni33cr21
NT2 incoloy 800h
NT1 alloy-fe46ni33cr21
NT2 incoloy 800
NT2 incoloy 802
NT1 alloy-ni43fe30cr22mo3
NT2 incoloy 825
NT1 incoloy 901

INCOME
UF *disposable income*
NT1 royalties
RT charges
RT economics
RT high income groups
RT income distribution
RT inflation
RT low income groups
RT prices
RT profits
RT standard of living

INCOME DISTRIBUTION
INIS: Jul 1993; ETDE: Feb 1978
RT economics
RT high income groups
RT income

INCOMPLETE FUSION REACTIONS
INIS: Jan 1985; ETDE: Jul 1984
UF *breakup fusion*
UF *massive transfer reactions*
*BT1 heavy ion reactions
RT compound-nucleus reactions
RT deep inelastic heavy ion reactions
RT heavy ion fusion reactions
RT nuclear fragmentation
RT precompound-nucleus emission
RT transfer reactions

INCOMPRESSIBLE FLOW
SF *perfect flow*
BT1 fluid flow
NT1 ideal flow
RT navier-stokes equations

INCONEL 600
INIS: Nov 1983; ETDE: Dec 1974
UF *alloy-600 (inconel)*
*BT1 alloy-ni76cr15fe8

inconel 601
Use alloy-ni61cr23fe14

INCONEL 617
INIS: Nov 1983; ETDE: Dec 1974
UF *alloy-617 (inconel)*
*BT1 alloy-ni54cr22co13mo9

INCONEL 625
INIS: Nov 1983; ETDE: Dec 1974
UF *alloy-625 (inconel)*
*BT1 alloy-ni61cr22mo9nb4fe3

inconel 643
Use inconel alloys

INCONEL 671
INIS: Nov 1983; ETDE: Mar 1977
UF *alloy-671 (inconel)*
*BT1 alloy-ni51cr48

INCONEL 690
INIS: Nov 1983; ETDE: Sep 1980
UF *alloy-690 (inconel)*
*BT1 alloy-ni59cr30fe9

INCONEL 700
INIS: Nov 1983; ETDE: May 1979
*BT1 inconel alloys

inconel 702
Use aluminium alloys
AND chromium alloys
AND inconel alloys

INCONEL 706
INIS: Nov 1983; ETDE: Mar 1975
UF *alloy-706 (inconel)*
*BT1 alloy-ni41fe40cr16nb3

INCONEL 713C
INIS: Nov 1983; ETDE: Feb 1975
*BT1 alloy-ni74cr13al6mo4

INCONEL 713LC
INIS: Nov 1983; ETDE: Dec 1978
UF *alloy-713-lc*
UF *alloy-713lc (inconel)*
*BT1 alloy-ni75cr12al6mo5

INCONEL 718
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-ni53cr19fe19nb5mo3

INCONEL 738
INIS: Feb 2000; ETDE: Dec 1978
*BT1 inconel alloys

INCONEL 739
INIS: Apr 2000; ETDE: Sep 1979
*BT1 inconel alloys

INCONEL 82
INIS: Nov 1983; ETDE: Dec 1974
UF *alloy-82 (inconel)*
*BT1 alloy-ni73cr20mn3nb3

INCONEL ALLOYS
(From 1979 till August 1996 ALLOY-IN-643 and INCONEL 643 were valid ETDE descriptors.)
UF *alloy-in-643*
UF *alloy-ni47cr25co12w9fe3*
UF *alloy-ni48co28cr15al3mo3ti2*
UF *inconel 643*
UF+ *alloy-ni78cr16al4*
UF+ *inconel 702*
*BT1 nickel base alloys
NT1 alloy-ni41fe40cr16nb3
NT2 inconel 706
NT1 alloy-ni46cr23co19ti5al4
NT2 alloy-in-939
NT1 alloy-ni51cr48
NT2 inconel 671
NT1 alloy-ni53cr19fe19nb5mo3
NT2 inconel 718
NT1 alloy-ni54cr22co13mo9
NT2 inconel 617
NT1 alloy-ni59cr30fe9
NT2 inconel 690
NT1 alloy-ni60co15cr10al6ti5mo3
NT2 alloy-in-100
NT1 alloy-ni61cr16co9al3ti3w3
NT2 alloy-in-738
NT1 alloy-ni61cr22mo9nb4fe3
NT2 inconel 625
NT1 alloy-ni61cr23fe14
NT1 alloy-ni73cr15fe7ti3
NT2 inconel x750
NT1 alloy-ni73cr20mn3nb3
NT2 inconel 82
NT1 alloy-ni74cr13al6mo4
NT2 inconel 713c
NT1 alloy-ni75cr12al6mo5
NT2 inconel 713lc
NT1 alloy-ni76cr15fe8
NT2 inconel 600
NT1 inconel 700
NT1 inconel 738
NT1 inconel 739
RT alloy-ni70mo17cr7fe5
RT inor-8
RT nimonic

inconel ma 753
Use alloy-in-853

INCONEL X750
INIS: Nov 1983; ETDE: Dec 1974
UF *alloy-x750 (inconel)*
*BT1 alloy-ni73cr15fe7ti3

incorporation (biological)
Use uptake

increasing
Use augmentation

INCREMENTAL-COST PRICING
INIS: Apr 2000; ETDE: Dec 1978
(Charges based on cost of attracting new supplies to replace the dwindling flow from conventional sources.)
BT1 prices
RT marginal-cost pricing

INCUBATION
RT heating
RT infectious diseases
RT latency period
RT quarantine
RT time dependence

INDAN
INIS: Apr 2000; ETDE: Oct 1976
*BT1 aromatics
*BT1 hydrocarbons

INDAZOLES
*BT1 pyrazoles

indc
Use international nuclear data committee

INDEMNIFICATION AGREEMENTS
INIS: Dec 1976; ETDE: Aug 1994
(Agreements whereby the State undertakes to compensate for nuclear damage involving the civil liability of the nuclear operator.)
BT1 agreements
RT liabilities
RT workmens compensation

INDENE
*BT1 condensed aromatics
*BT1 hydrocarbons

independent-particle model
Use single-particle model

index of refraction
Use refractive index

INDEXES
(Should be used to index all pieces of literature which are indexes.)
BT1 document types
RT directories
RT information retrieval

INDIA
BT1 asia
BT1 developing countries
RT brahmaputra river
RT ganga river

india ink
Use inks
AND pigments

INDIAN OCEAN
*BT1 seas
NT1 arabian sea
NT2 persian gulf
NT3 strait of hormuz
NT1 timor sea
RT madagascar
RT mauritius
RT southern oscillation
RT sri lanka
RT tasmania

INDIAN ORGANIZATIONS
(Not to be used for American Indian Organizations.)
BT1 national organizations
NT1 barc
NT1 igcar

INDIAN POINT-1 REACTOR
(Buchanan, New York, USA)
UF *consolidated edison thorium reactor*
*BT1 pwr type reactors

INDIAN POINT-2 REACTOR
(Buchanan, New York, USA)
*BT1 pwr type reactors

INDIAN POINT-3 REACTOR
(Buchanan, New York, USA)
*BT1 pwr type reactors

indian reservations
See american indians

INDIANA
*BT1 usa
RT illinois basin
RT ohio river

indiana university cyclotron
Use iu cyclotron

indians (american)
Use american indians

indicator species
Use biological indicators

INDICATORS
UF+ *congo red*
UF+ *erioglaucine*
UF+ *neutral red*
UF+ *toluylene red*
SF *chemicals*
NT1 bromosulfophthalein
NT1 eosin
NT1 indocyanine green
NT1 methyl orange
NT1 methyl red
NT1 methylthymol blue
NT1 phenolphthalein
NT1 pyrocatechol violet
NT1 rose bengal
NT1 xylenol orange

INDIGO
INIS: Apr 2000; ETDE: Jan 1983
UF *indigo red*
BT1 dyes
*BT1 indoles

indigo red
Use indigo

INDIRECT DRIVE ICF
INIS: Jul 1999; ETDE: Sep 1999
(Inertial confinement fusion in which the driver energy is converted into x-rays before being absorbed by the target capsule.)
RT indirect drive laser implosion
RT inertial confinement

INDIRECT DRIVE LASER IMPLOSION
(Laser implosion where the driver energy is converted intox-rays before being absorbed by the target capsule.)
*BT1 laser implosions
RT direct drive laser implosion
RT indirect drive icf
RT inertial fusion drivers
RT laser fusion reactors
RT laser targets
RT laser-produced plasma
RT laser-radiation heating
RT pulsed fusion reactors

INDIUM
*BT1 metals

INDIUM 100
INIS: Jun 1982; ETDE: Jun 1982
*BT1 beta-plus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

INDIUM 101
INIS: Jun 1988; ETDE: Jul 1988
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

INDIUM 102
INIS: Feb 1981; ETDE: Mar 1981
*BT1 electron capture radioisotopes
*BT1 indium isotopes

*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

INDIUM 103

INIS: Nov 1978; ETDE: Dec 1978

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

INDIUM 104

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

INDIUM 105

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

INDIUM 106

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

INDIUM 107

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

INDIUM 108

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

INDIUM 109

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

INDIUM 110

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei

INDIUM 110 TARGET

BT1 targets

INDIUM 111

*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

INDIUM 112

*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

INDIUM 113

*BT1 hours living radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 stable isotopes

INDIUM 113 TARGET

BT1 targets

INDIUM 114

*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

INDIUM 115

*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 years living radioisotopes

INDIUM 115 TARGET

BT1 targets

INDIUM 116

*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

INDIUM 117

*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

INDIUM 118

*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

INDIUM 119

*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

INDIUM 120

*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

INDIUM 121

*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

INDIUM 122

*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

INDIUM 123

*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

INDIUM 124

*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

INDIUM 125

*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

INDIUM 126

*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

INDIUM 127

*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

INDIUM 127 TARGET

INIS: Sep 1979; ETDE: Oct 1979

BT1 targets

INDIUM 128

*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

INDIUM 129
*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

INDIUM 130
*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

INDIUM 131
INIS: Jul 1976; ETDE: Apr 1976
*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

INDIUM 132
*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

INDIUM 133
INIS: Jun 2002; ETDE: Nov 1999
*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

INDIUM 134
INIS: Jun 2002; ETDE: Nov 1999
*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

INDIUM 135
INIS: Jun 2002; ETDE: Nov 1999
*BT1 beta-minus decay radioisotopes
*BT1 indium isotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

INDIUM ADDITIONS
(Alloys containing not more than 1% In are listed here.)
*BT1 indium alloys

INDIUM ALLOYS
(Alloys containing more than 1% In.)
BT1 alloys
NT1 indium additions
NT1 indium base alloys

indium antimonide detectors
Use insb semiconductor detectors

INDIUM ANTIMONIDES
INIS: May 1989; ETDE: Jun 1989
*BT1 antimonides
BT1 indium compounds

INDIUM ARSENIDES
*BT1 arsenides
BT1 indium compounds

INDIUM BASE ALLOYS
*BT1 indium alloys

INDIUM BORIDES
*BT1 borides
BT1 indium compounds

INDIUM BROMIDES
*BT1 bromides
BT1 indium compounds

indium carbides
Use carbides
AND indium compounds

INDIUM CHLORIDES
*BT1 chlorides
BT1 indium compounds

INDIUM COMPLEXES
BT1 complexes

INDIUM COMPOUNDS
UF+ *indium carbides*
UF+ *indium silicates*
NT1 indium antimonides
NT1 indium arsenides
NT1 indium borides
NT1 indium bromides
NT1 indium chlorides
NT1 indium fluorides
NT1 indium hydrides
NT1 indium hydroxides
NT1 indium iodides
NT1 indium nitrates
NT1 indium nitrides
NT1 indium oxides
NT1 indium perchlorates
NT1 indium phosphates
NT1 indium phosphides
NT1 indium selenides
NT1 indium sulfates
NT1 indium sulfides
NT1 indium tellurides
NT1 indium tungstates

INDIUM FLUORIDES
*BT1 fluorides
BT1 indium compounds

INDIUM HYDRIDES
*BT1 hydrides
BT1 indium compounds

INDIUM HYDROXIDES
*BT1 hydroxides
BT1 indium compounds

INDIUM IODIDES
BT1 indium compounds
*BT1 iodides

INDIUM IONS
*BT1 ions

INDIUM ISOTOPES
BT1 isotopes
NT1 indium 100
NT1 indium 101
NT1 indium 102
NT1 indium 103
NT1 indium 104
NT1 indium 105
NT1 indium 106
NT1 indium 107
NT1 indium 108
NT1 indium 109
NT1 indium 110
NT1 indium 111
NT1 indium 112
NT1 indium 113
NT1 indium 114
NT1 indium 115
NT1 indium 116
NT1 indium 117
NT1 indium 118
NT1 indium 119
NT1 indium 120
NT1 indium 121
NT1 indium 122
NT1 indium 123
NT1 indium 124
NT1 indium 125
NT1 indium 126
NT1 indium 127
NT1 indium 128
NT1 indium 129
NT1 indium 130
NT1 indium 131
NT1 indium 132
NT1 indium 133
NT1 indium 134
NT1 indium 135

INDIUM NITRATES
BT1 indium compounds
*BT1 nitrates

INDIUM NITRIDES
BT1 indium compounds
*BT1 nitrides

INDIUM OXIDES
BT1 indium compounds
*BT1 oxides

INDIUM PERCHLORATES
INIS: Sep 1978; ETDE: Nov 1977
BT1 indium compounds
*BT1 perchlorates

INDIUM PHOSPHATES
INIS: Sep 1978; ETDE: Oct 1978
BT1 indium compounds
*BT1 phosphates

INDIUM PHOSPHIDE SOLAR CELLS
INIS: May 1992; ETDE: Dec 1978
*BT1 solar cells

INDIUM PHOSPHIDES
BT1 indium compounds
*BT1 phosphides

INDIUM SELENIDE SOLAR CELLS
INIS: May 1992; ETDE: Jul 1981
*BT1 solar cells

INDIUM SELENIDES
INIS: Mar 1976; ETDE: Feb 1975
BT1 indium compounds
*BT1 selenides

indium silicates
Use indium compounds
AND silicates

INDIUM SULFATES
BT1 indium compounds
*BT1 sulfates

INDIUM SULFIDES
BT1 indium compounds
*BT1 sulfides

INDIUM TELLURIDES
BT1 indium compounds
*BT1 tellurides

INDIUM TUNGSTATES
INIS: Apr 2000; ETDE: Nov 1976
BT1 indium compounds
*BT1 tungstates

INDOCYANINE GREEN
INIS: Oct 1975; ETDE: Dec 1975
- *BT1 condensed aromatics
- BT1 dyes
- BT1 indicators
- *BT1 indoles
- *BT1 sulfonates

INDOLES
- UF *benzopyrroles*
- *BT1 azaarenes
- *BT1 pyrroles
- **NT1** indigo
- **NT1** indocyanine green
- **NT1** lysergic acid
- **NT1** reserpine
- **NT1** strychnine
- **NT1** tryptamines
  - **NT2** melatonin
  - **NT2** serotonin
    - **NT3** bufotenine
- **NT1** tryptophan
- **NT1** vinblastine
- *RT* ergotamine

INDONESIA
- UF *java (island)*
- BT1 asia
- BT1 developing countries
- BT1 islands
- *RT* dieng geothermal field
- *RT* kamojang geothermal field
- *RT* opec
- *RT* pacific ocean
- *RT* timor sea

indonesian triga-mk-2 reactor
Use triga-2-bandung reactor

INDOOR AIR CONTAMINATION
INIS: Feb 1994; ETDE: Feb 1994
(For radioactive contamination only. For non-radioactive materials use INDOOR AIR POLLUTION.)
- BT1 contamination

INDOOR AIR POLLUTION
INIS: Feb 1994; ETDE: Sep 1978
(For non-radioactive pollution only. For radioactive materials such as radon use INDOOR AIR CONTAMINATION.)
- *BT1 air pollution

INDUCED POLARIZATION LOGGING
INIS: Apr 2000; ETDE: Mar 1979
(Exploration method involving measurement of the slow decay of voltage in the ground following the cessation of an excitation current pulse or low frequency variations of earth impedance.)
- *BT1 electric logging
- *RT* electrical surveys

induced radioactivity
Use radioactivity

INDUCTANCE
INIS: Mar 1992; ETDE: Mar 1992
- *BT1 electrical properties
- *RT* capacitance
- *RT* electric conductivity

INDUCTION
- **NT1** faraday induction
- *RT* llnl advanced test accelerator

INDUCTION FURNACES
- *BT1 electric furnaces

INDUCTION GENERATORS
INIS: Feb 1992; ETDE: Dec 1981
- *BT1 electric generators

INDUCTION LOGGING
INIS: Apr 1984; ETDE: Jun 1976
- UF *magnetic induction logging*
- *BT1 electric logging
- *RT* magnetic surveys
- *RT* resistivity logging

INDUCTION WELDING
- *BT1 welding

inductors
Use solenoids

INDUS-1
INIS: Aug 1993; ETDE: Jun 1994
(450 MeV synchrotron radiation source at the Centre for Advanced Technology, Indore, India.)
- UF *indus-i*
- BT1 storage rings
- *BT1 synchrotron radiation sources

INDUS-2
INIS: Aug 1993; ETDE: Jun 1994
(2 GeV synchrotron radiation source at the Centre for Advanced Technology, Indore, India.)
- UF *indus-ii*
- BT1 storage rings
- *BT1 synchrotron radiation sources

indus-i
Use indus-1

indus-ii
Use indus-2

INDUSTRIAL ACCIDENTS
- BT1 accidents

INDUSTRIAL MEDICINE
- BT1 medicine
- *RT* accidents
- *RT* occupational diseases
- *RT* occupational safety
- *RT* personnel
- *RT* radiation protection
- *RT* working conditions

industrial parks
See energy parks
OR industry

INDUSTRIAL PLANTS
- UF *manufacturing facilities*
- UF *plants (industrial)*
- **NT1** biomass conversion plants
- **NT1** chemical plants
  - **NT2** gasoline plants
  - **NT2** petrochemical plants
- **NT1** cimarron plutonium production plant
- **NT1** cimarron uranium fuel plant
- **NT1** coal gasification plants
- **NT1** coal liquefaction plants
- **NT1** coal preparation plants
- **NT1** coking plants
- **NT1** desalination plants
- **NT1** ethanol plants
- **NT1** feed materials plants
  - **NT2** feed materials production center
  - **NT2** west valley uf6 facility
- **NT1** foundries
- **NT1** isotope separation plants
  - **NT2** centrifuge enrichment plants
    - **NT3** portsmouth centrifuge enrichment plant
  - **NT2** gaseous diffusion plants
    - **NT3** cogema pierrelatte
    - **NT3** orgdp
    - **NT3** paducah plant
    - **NT3** portsmouth gaseous diffusion plant
  - **NT2** heavy water plants
  - **NT2** tritium extraction plants
- **NT1** lng plants
- **NT1** methanol plants
- **NT1** natural gas processing plants
- **NT1** oil sand processing plants
- **NT1** oil shale processing plants
  - **NT2** anvil points research facility
  - **NT2** glen davis facility
- **NT1** oxygen plants
- **NT1** petroleum refineries
- **NT1** sequoyah uf6 production plant
- **NT1** sng plants
- **NT1** synthetic fuels refineries
- **NT1** waste processing plants
  - **NT2** resource recovery facilities
  - **NT2** waste oil refineries
- *RT* demonstration plants
- *RT* fuel fabrication plants
- *RT* industry
- *RT* modular structures
- *RT* pilot plants

INDUSTRIAL RADIOGRAPHY
(See also BIOMEDICAL RADIOGRAPHY.)
- UF *radiography (industrial)*
- *BT1 nondestructive testing
- **NT1** beta radiography
- **NT1** gamma radiography
  - **NT2** gamma fuel scanning
- **NT1** neutron radiography
- **NT1** proton radiography
- **NT1** x-ray radiography
- *RT* autoradiography
- *RT* inspection
- *RT* microradiography
- *RT* radiation attenuation testing
- *RT* radiological personnel
- *RT* tomography

industrial relations
Use labor relations

industrial sector
Use industry

INDUSTRIAL WASTES
INIS: Nov 1975; ETDE: Oct 1975
- UF *municipal wastes (industrial)*
- SF *emissions (industrial)*
- BT1 wastes
- **NT1** spent liquors
- *RT* chemical effluents
- *RT* chemical wastes
- *RT* emissions tax
- *RT* emissions trading
- *RT* gaseous wastes
- *RT* liquid wastes
- *RT* organic wastes
- *RT* pollutants
- *RT* refuse derived fuels
- *RT* scrap
- *RT* scrap metals
- *RT* solid wastes

industrialized countries
Use developed countries

INDUSTRY
(From September 1979 to March 1997 INDUSTRIAL PARKS was a valid ETDE descriptor.)
- UF *industrial sector*
- SF *end use sector*
- SF *industrial parks*

NT1 aerospace industry
NT1 automotive industry
NT1 beverage industry
NT1 cement industry
NT1 ceramics industry
NT1 chemical industry
NT1 coal industry
NT1 construction industry
NT1 electric power industry
NT1 fertilizer industry
NT1 fishing industry
NT1 food industry
NT2 dairy industry
NT2 meat industry
NT1 furniture industry
NT1 geothermal industry
NT1 glass industry
NT1 metal industry
NT1 mineral industry
NT1 natural gas industry
NT2 lng industry
NT1 nuclear industry
NT1 oil sand industry
NT1 oil shale industry
NT1 petroleum industry
NT2 lpg industry
NT1 plastics industry
NT1 printing and publishing industry
NT1 rubber industry
NT1 solar industry
NT1 sugar industry
NT1 synthetic fuels industry
NT1 textile industry
NT1 wind power industry
NT1 wood products industry
NT2 paper industry
RT business
RT by-products
RT commercialization
RT developing countries
RT economic development
RT fuel reprocessing plants
RT horizontal integration
RT hydrogen-based economy
RT ifiec
RT industrial plants
RT joint ventures
RT labor relations
RT manufacturers
RT manufacturing
RT marketers
RT mining
RT resellers
RT retailers
RT small businesses
RT technology assessment
RT technology impacts
RT technology transfer
RT technology utilization
RT tourism

inel

Use idaho national engineering laboratory

inel safety research experimental facility reactor

Use saref reactor

INELASTIC SCATTERING

BT1 scattering
NT1 deep inelastic scattering
NT1 delbrueck scattering
NT1 resonance scattering
NT1 thomson scattering
RT anharmonic crystals
RT hauser-feshbach theory
RT incoherent scattering
RT skyrme potential
RT spin flip

INERT ATMOSPHERE

*BT1 controlled atmospheres
NT1 cover gas
RT carbon dioxide
RT nitrogen
RT rare gases

inertia

Use moment of inertia

INERTIAL CONFINEMENT

INIS: Feb 1978; ETDE: Apr 1978
(A dynamic plasma confinement by inertial forces.)
*BT1 plasma confinement
RT aurora facility
RT direct drive icf
RT electron beam fusion accelerator
RT electron beam fusion reactors
RT electron beam targets
RT icf devices
RT impact fusion
RT indirect drive icf
RT inertial fusion drivers
RT ion beam fusion reactors
RT ion beam targets
RT laser fusion reactors
RT laser implosions
RT laser targets
RT particle beam fusion accelerator
RT us national ignition facility

inertial confinement fusion devices

Use icf devices

inertial confinement fusion targets

See electron beam targets
OR ion beam targets
OR laser targets

INERTIAL FUSION DRIVERS

NT1 impact fusion drivers
NT2 magnetic gradient accelerators
RT direct drive laser implosion
RT indirect drive laser implosion
RT inertial confinement
RT ion beam fusion reactors
RT laser fusion reactors

INERTIAL GUIDANCE

INIS: Apr 2000; ETDE: Nov 1975
RT electronic guidance
RT navigational instruments

INERTIAL SEPARATORS

INIS: Oct 1976; ETDE: Mar 1976
(Separators that operate by imparting a centrifugal force to the particle to be removed from the carrier gas stream.)
UF *ash separators*
UF *centrifugal separators*
UF *separators (inertial)*
*BT1 separation equipment
NT1 cyclone separators
RT dust collectors
RT pollution control equipment

INERTINITE

INIS: Apr 2000; ETDE: Jul 1987
BT1 macerals

ines

Use international nuclear event scale

INFANTS

SF *newborns*
*BT1 children
RT life cycle
RT neonates

INFECTIOUS DISEASES

BT1 diseases
NT1 bacterial diseases
NT2 cholera
NT2 diphtheria
NT2 gonorrhea
NT2 leprosy
NT2 syphilis
NT2 tetanus
NT2 tuberculosis
NT2 typhoid
NT1 fungal diseases
NT2 mycoses
NT2 tinea
NT1 parasitic diseases
NT2 fascioliasis
NT2 filariasis
NT2 hydatidosis
NT2 malaria
NT2 schistosomiasis
NT2 trichinosis
NT2 trypanosomiasis
NT1 rickettsial diseases
NT2 typhus
NT1 viral diseases
NT2 aids
NT2 herpes simplex
NT2 herpes zoster
NT2 infectious hepatitis
NT2 influenza
NT2 measles
NT2 newcastle disease
NT2 poliomyelitis
NT2 rabies
RT anti-infective agents
RT antibiotics
RT epidemiology
RT granulomas
RT incubation
RT inflammation
RT legionella anisa
RT legionella pneumophila
RT microorganisms
RT septicemia
RT virulence

INFECTIOUS HEPATITIS

INIS: Aug 1982; ETDE: Jan 1981
UF *hepatitis (infectious)*
*BT1 hepatitis
*BT1 viral diseases

INFECTIVITY

RT bacteria
RT disinfectants
RT endotoxins
RT germicides

infiltration (by people)

Use human intrusion

infiltration (rock)

Use water influx

infiltration (water)

Use water influx

INFLAMMATION

BT1 pathological changes
BT1 symptoms
RT antipyretics
RT granulomas
RT infectious diseases
RT pneumonitis
RT trichinosis

INFLATABLE COLLECTORS

INIS: Apr 2000; ETDE: Feb 1979
*BT1 solar collectors
RT solar ponds

INFLATABLE SEALS
BT1 seals

INFLATION
INIS: Feb 1992; ETDE: Jul 1978
RT cost
RT economic development
RT income

INFLATIONARY UNIVERSE
INIS: Jul 1985; ETDE: Aug 1987
(Universe described by cosmological models which usually involve a very weakly-coupled scalar field which is displaced from the minimum of its potential. Regions of the universe where the scalar field is initially displaced from its minimum undergo inflation as the scalar field relaxes.)
*BT1 cosmological models
RT space-time
RT unified gauge models

INFLUENZA
*BT1 viral diseases
RT influenza viruses

INFLUENZA VIRUSES
*BT1 viruses
RT influenza

influx (particles)
Use particle influx

influx (water)
Use water influx

INFORMATION
(From July 1984 till April 1997 CRYPTOGRAPHY was a valid ETDE descriptor; from November 1981 till June 1992 TECHNICAL WRITING was a valid ETDE descriptor.)
UF+ *information validation*
SF *cryptography*
SF *technical writing*
NT1 classified information
NT1 data
NT2 data compilation
NT2 numerical data
NT3 compiled data
NT3 evaluated data
NT3 experimental data
NT3 financial data
NT3 statistical data
NT3 theoretical data
NT1 diagrams
NT2 bragg curve
NT2 electrocardiograms
NT2 engineering drawings
NT2 fermi plot
NT2 feynman diagram
NT2 flowsheets
NT2 goldstone diagrams
NT2 hertzsprung-russell diagram
NT2 mollier diagrams
NT2 nomograms
NT2 nyquist diagrams
NT2 optical depth curve
NT3 spectroscopic curve of growth
NT2 phase diagrams
NT2 s-n diagram
NT2 scatterplots
NT3 argand diagrams
NT3 dalitz plot
NT3 prism plot
NT2 sun charts
NT2 thermochemical diagrams
NT2 young diagram
NT1 proprietary information
NT1 public information
RT congressional inquiries
RT data base management
RT information centers
RT information theory
RT libraries
RT manuals
RT privacy act
RT records management
RT technology transfer

INFORMATION CENTERS
INIS: Sep 1994; ETDE: Apr 1976
UF+ *technical information center*
RT data compilation
RT educational facilities
RT information
RT information systems
RT libraries

information declassification
Use declassification

INFORMATION DISSEMINATION
INIS: Jun 1981; ETDE: May 1980
RT information needs
RT information systems
RT internet
RT proprietary information
RT public information
RT technology transfer

INFORMATION NEEDS
INIS: Mar 1976; ETDE: Aug 1976
(Identification of subject areas or types of data on which information is needed in order to further specific areas of research. Coordinate with descriptors for the specific areas of research.)
RT data
RT information dissemination
RT reporting requirements
RT research programs
RT us napap

INFORMATION RETRIEVAL
(From June 1975 till August 1996 UNISIST was a valid ETDE descriptor.)
UF *document retrieval*
UF *records retrieval*
SF *unisist*
RT data base management
RT data tagging
RT documentation
RT indexes
RT information systems
RT standardized terminology

INFORMATION SYSTEMS
(From June 1975 till August 1996 UNISIST was a valid ETDE descriptor.)
SF *seedis*
SF *unisist*
NT1 agris
NT1 cinda
NT1 etde
NT1 geographic information systems
NT1 inis
NT1 seidb
NT1 wends
RT computer networks
RT data base management
RT data compilation
RT data tagging
RT distributed data processing
RT documentation
RT information centers
RT information dissemination
RT information retrieval
RT information theory
RT libraries
RT nuclear data collections
RT standardized terminology

INFORMATION THEORY
RT communications
RT cybernetics
RT data processing
RT game theory
RT information
RT information systems
RT set theory

information validation
Use information
AND verification

INFRARED DIVERGENCES
UF *divergences (infrared)*
RT quantum electrodynamics

INFRARED RADIATION
*BT1 electromagnetic radiation
NT1 far infrared radiation
NT1 intermediate infrared radiation
NT1 near infrared radiation
RT infrared spectra
RT infrared thermography
RT thermal radiation
RT thermography
RT wavelengths

INFRARED SPECTRA
BT1 spectra
RT absorption spectroscopy
RT infrared radiation
RT structural chemical analysis
RT vibrational states

INFRARED SPECTROMETERS
INIS: Feb 1976; ETDE: Jan 1975
*BT1 spectrometers
NT1 photoacoustic spectrometers

INFRARED SURVEYS
INIS: Jan 1976; ETDE: Jan 1975
*BT1 geophysical surveys
RT geothermal exploration

INFRARED THERMOGRAPHY
INIS: Jul 1978; ETDE: Sep 1977
(A method for measuring the infrared radiation emitted from surfaces.)
UF *thermal photography*
*BT1 thermography
RT heat losses
RT infrared radiation
RT temperature monitoring

INFUSION
BT1 intake

ing linac
Use linear accelerators
AND neutron sources

INGESTION
BT1 intake
RT beverages
RT diet
RT digestion
RT drinking water
RT food
RT intestinal absorption
RT oral administration
RT oral cavity

INHALATION
BT1 intake
RT aerosols
RT air
RT breath

RT dusts
RT intratracheal administration
RT maximum inhalation quantity
RT radionuclide administration
RT respiration
RT respirators
RT respiratory system

inhalation exposure chambers
Use exposure chambers

INHALATION TOXICOLOGY RESEARCH INSTITUTE
INIS: Apr 2000; ETDE: Jul 1982
UF *itri*
UF *lovelace biomedical and environmental research institute*
*BT1 us doe
RT new mexico

INHIBITION
UF *extinguishment*
UF *suppression*
UF+ *growth inhibition*
NT1 sprout inhibition
RT catalysis
RT enzyme inhibitors
RT flames
RT inactivation
RT stabilization

inhibitors (corrosion)
Use corrosion inhibitors

inhibitors (enzyme)
Use enzyme inhibitors

INHOMOGENEOUS FIELDS
RT electric fields
RT electromagnetic fields
RT magnetic fields

INHOMOGENEOUS PLASMA
BT1 plasma

INHOUR EQUATION
UF *nordheim equation*
BT1 equations
RT reactivity
RT reactor kinetics

INHOURS
*BT1 reactivity units

INIS
UF *international nuclear information system*
BT1 information systems
RT iaea

initial reservoir pressure
Use reservoir pressure

INJECTION
BT1 intake
NT1 intramuscular injection
NT1 intraperitoneal injection
NT1 intravenous injection
NT1 subcutaneous injection
RT implants
RT radionuclide administration
RT therapy

injection (beams)
Use beam injection

injection (pellets)
Use pellet injection

injection fluids
Use displacement fluids

INJECTION WELLS
INIS: Oct 1991; ETDE: Jan 1975
(A well used for injecting fluids into underground strata.)
UF *input well*
BT1 wells
RT geothermal wells
RT reinjection

INJURIES
UF *trauma*
UF+ *traumatic shock*
BT1 diseases
NT1 bone fractures
NT1 burns
NT2 flash burns
NT2 radiation burns
NT1 radiation injuries
NT2 osteoradionecrosis
NT2 radiation burns
NT2 radiodermatitis
NT1 wounds
RT accidents
RT first aid
RT health hazards
RT hematomas
RT safety
RT single intake

INKS
UF+ *india ink*
RT dyes

INLAND WATERWAYS
UF *canals (waterways)*
RT harbors
RT lakes
RT marinas
RT rivers
RT territorial waters
RT transport

inlet event
Use anvil project

inner bremsstrahlung
Use internal bremsstrahlung

inner mongolia
Use china

INNER-SHELL EXCITATION
INIS: Nov 1987; ETDE: Dec 1987
*BT1 excitation
RT inner-shell ionization

INNER-SHELL IONIZATION
INIS: Jul 1976; ETDE: Aug 1976
BT1 ionization
RT auger effect
RT autoionization
RT coulomb ionization
RT inner-shell excitation

inns
Use hotels

INOCULATION
RT immune serums
RT immunity
RT vaccines
RT viruses

INOR-8
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-ni70mo17cr7fe5
RT inconel alloys

INORGANIC ACIDS
(From August 1979 to March 1997 HETEROPOLY ACIDS was a valid ETDE descriptor.)
UF *acids (inorganic)*
UF *heteropoly acids*
UF *mineral acids*
UF+ *polythionic acids*
BT1 hydrogen compounds
BT1 inorganic compounds
NT1 boric acid
NT1 broensted acids
NT1 bromic acid
NT1 carbonic acid
NT1 chloric acid
NT1 chlorous acid
NT1 chromic acid
NT1 fluoroboric acid
NT1 hydrazoic acid
NT1 hydriodic acid
NT1 hydrobromic acid
NT1 hydrochloric acid
NT1 hydrocyanic acid
NT1 hydrofluoric acid
NT1 hypochlorous acid
NT1 hypofluorous acid
NT1 hypoiodous acid
NT1 hypophosphorous acid
NT1 iodic acid
NT1 lewis acids
NT1 molybdic acid
NT1 molybdophosphoric acid
NT1 nitric acid
NT1 nitrous acid
NT1 perchloric acid
NT1 periodic acid
NT1 phosphoric acid
NT1 phosphorous acid
NT1 silicic acid
NT1 sulfamic acid
NT1 sulfuric acid
NT1 sulfurous acid
NT1 telluric acid
NT1 tungstophosphoric acid
RT acid carbonates
RT acid sulfates
RT acid sulfites
RT acidification
RT anhydrides
RT ph value

INORGANIC COMPOUNDS
INIS: Jul 1986; ETDE: May 1975
(For very general papers only. Use of a more specific termis recommended.)
UF *compounds (inorganic)*
SF *chemicals*
NT1 inorganic acids
NT2 boric acid
NT2 broensted acids
NT2 bromic acid
NT2 carbonic acid
NT2 chloric acid
NT2 chlorous acid
NT2 chromic acid
NT2 fluoroboric acid
NT2 hydrazoic acid
NT2 hydriodic acid
NT2 hydrobromic acid
NT2 hydrochloric acid
NT2 hydrocyanic acid
NT2 hydrofluoric acid
NT2 hypochlorous acid
NT2 hypofluorous acid
NT2 hypoiodous acid
NT2 hypophosphorous acid
NT2 iodic acid
NT2 lewis acids
NT2 molybdic acid

NT2 molybdophosphoric acid
NT2 nitric acid
NT2 nitrous acid
NT2 perchloric acid
NT2 periodic acid
NT2 phosphoric acid
NT2 phosphorous acid
NT2 silicic acid
NT2 sulfamic acid
NT2 sulfuric acid
NT2 sulfurous acid
NT2 telluric acid
NT2 tungstophosphoric acid
RT chemical feedstocks

INORGANIC ION EXCHANGERS

UF *permutit (inorganic)*
*BT1 ion exchange materials
NT1 bentonite
NT1 montmorillonite
NT1 mullite
NT1 vermiculite
NT1 zeolites
NT2 clinoptilolite
NT2 faujasite
NT2 heulandite
NT2 laumontite
NT2 mordenite
NT2 wairakite

INORGANIC PHOSPHORS

BT1 phosphors
NT1 cadmium sulfides
NT1 cadmium tungstates
NT1 calcium tungstates
NT1 cesium iodides
NT1 lithium iodides
NT1 potassium iodides
NT1 sodium iodides
NT1 zinc sulfides
RT bismuth germanates
RT solid scintillation detectors

INORGANIC POLYMERS

BT1 polymers

INOSINE

*BT1 nucleosides
*BT1 purines
RT hypoxanthine

INOSITOL

UF *i-inositol*
*BT1 inositols
*BT1 lipotropic factors
RT phytic acid

INOSITOLS

*BT1 monosaccharides
NT1 inositol
RT hydroxy compounds

input-output

See material balance

INPUT-OUTPUT ANALYSIS

INIS: Apr 1984; ETDE: Apr 1978
(A type of economic analysis. Until January 1999, this concept was indexed by the broader term ECONOMIC ANALYSIS.)
SF *operations research*
*BT1 economic analysis
RT developing countries
RT economy
RT energy analysis
RT regional analysis

input well

Use injection wells

INR CYCLOTRON

INIS: Jun 1983; ETDE: Mar 1983
(Institute of Nuclear Research, Academia Sinica, Shanghai.)
UF *institute of nuclear research (shanghai) cyclotron*
UF *shanghai inr cyclotron*
*BT1 isochronous cyclotrons

ins cyclotron (tokyo)

Use tokyo ins cyclotron

INSB SEMICONDUCTOR DETECTORS

INIS: Apr 1988; ETDE: Jul 1988
(Indium antimonide semiconductor detectors.)
UF *indium antimonide detectors*
*BT1 semiconductor detectors

INSECT DISPERSAL

UF *dispersal (insect)*
RT behavior
RT insects
RT sterile insect release
RT sterile male technique

INSECTICIDES

BT1 pesticides
NT1 aldrin
NT1 ddt
NT1 dieldrin
NT1 kepone
NT1 lindane
NT1 malathion
NT1 parathion
RT insects

INSECTS

UF *entomology*
UF+ *caste (insects)*
*BT1 arthropods
NT1 coleoptera
NT2 beetles
NT3 boll weevil
NT3 tribolium
NT1 dictyoptera
NT2 cockroaches
NT1 diptera
NT2 flies
NT3 fruit flies
NT4 anastrepha
NT4 ceratitis capitata
NT4 dacus
NT5 dacus oleae
NT4 drosophila
NT3 glossina
NT3 hylemya antiqua
NT3 screwworm fly
NT2 mosquitoes
NT1 ephemeroptera
NT1 hemiptera
NT2 aphids
NT1 hymenoptera
NT2 ants
NT2 bees
NT2 wasps
NT1 lepidoptera
NT2 moths
NT3 bollworm
NT3 codling moth
NT3 lymantria dispar
NT3 rice stem borers
NT3 silkworm
NT1 orthoptera
NT2 grasshoppers
NT3 locusts
RT chemical attractants
RT chemoreceptors
RT disease vectors
RT genetic control
RT grain disinfestation
RT insect dispersal
RT insecticides
RT larvae
RT mass rearing
RT parasites
RT pest control
RT pest eradication
RT pheromone
RT pupae
RT radiodisinfestation
RT rearing
RT rickettsiae
RT sterile male technique

INSOLATION

INIS: Apr 1984; ETDE: Apr 1975
RT diffuse solar radiation
RT direct solar radiation
RT solar flux
RT solar radiation
RT solar simulators
RT sun charts

INSPECTION

(Prior to May 1996 SURVEILLANCE was a valid ETDE descriptor.)
UF *control (inspection)*
SF *surveillance*
NT1 in-service inspection
NT1 on-site inspection
RT accuracy
RT audits
RT calibration
RT evaluation
RT gesellschaft fuer anlagen- und reaktorsicherheit
RT industrial radiography
RT legal aspects
RT licensing
RT materials testing
RT nondestructive testing
RT performance testing
RT post-irradiation examination
RT preventive medicine
RT quality control
RT radiation monitoring
RT radiation protection
RT reactor maintenance
RT recommendations
RT safeguards
RT sampling
RT specifications
RT testing
RT verification

inspector general (us doe)

Use us doe inspector general

inst fiziki vysokikh ehnergij

Use ihep

inst phys chem res rilac

Use rilac

inst v kernph onder amsterdam

Use iko

INSTABILITY

NT1 combustion instability
NT1 pierce instability
NT1 plasma instability
NT2 absolute instabilities
NT2 convective instabilities
NT2 decay instability
NT2 explosive instability
NT2 gravitational instability
NT2 plasma macroinstabilities
NT3 ballooning instability

NT3 edge localized modes
NT3 fishbone instability
NT3 flute instability
NT3 helical instability
NT3 helmholtz instability
NT3 kink instability
NT3 parametric instabilities
NT3 sausage instability
NT3 tearing instability
NT3 tilting instability
NT3 trapped-particle instability
NT3 whistler instability
NT2 plasma microinstabilities
NT3 bump-in-tail instability
NT3 cyclotron instability
NT3 drift instability
NT3 hose instability
NT3 ion wave instability
NT3 loss cone instability
NT3 negative mass instability
NT3 two-stream instability
NT1 rayleigh-taylor instability
RT bifurcation
RT stability

INSTABILITY GROWTH RATES

RT plasma instability
RT time dependence

INSTALLATION

INIS: Sep 1992; ETDE: May 1976
RT construction

installation sites

Use nuclear facilities

INSTANTONS

INIS: Jan 1978; ETDE: Nov 1977
(Finite action solutions to Euclidean field equations, localized in time and space.)
UF *pseudoparticles*
BT1 quasi particles
RT field equations
RT field theories
RT gauge invariance
RT higgs model
RT lattice field theory
RT merons
RT quantum chromodynamics
RT solitons
RT su groups
RT symmetry breaking
RT vacuum states
RT yang-mills theory

institut fuer isotopen- und strahlenforschung leipzig

Use zfi leipzig

institute for high energy physics

Use ihep

institute for nuclear studies cyclotron

Use tokyo ins cyclotron

institute for reactor safety

Use gesellschaft fuer anlagen- und reaktorsicherheit

institute of nuclear research (shanghai) cyclotron

Use inr cyclotron

institute of physical and chemical research cyclotron

Use ipcr cyclotron

INSTITUTIONAL FACTORS

INIS: Jan 1979; ETDE: May 1979
NT1 political aspects
NT1 socio-economic factors
RT government policies
RT institutional sector
RT public policy

INSTITUTIONAL SECTOR

INIS: Apr 2000; ETDE: Sep 1979
RT institutional factors
RT national government
RT state government

instituto de asuntos nucleares r1

Use ian-r1 reactor

instituto de energia atomica r1

Use iear-1 reactor

instituto de energia atomica zpr

Use iea-zpr reactor

instituto engenhoria nuclear rio reactor

Use rien-1 reactor

instruments (measuring)

Use measuring instruments

insulating limiters

Use limiters

INSULATING OILS

INIS: Nov 1985; ETDE: Jul 1980
(A high-quality oil whose high dielectric strength and high flash point allow it to be used in switches, circuit breakers, and transformers as an insulating and cooling medium.)
UF *transformer oils*
*BT1 oils
RT circuit breakers
RT dielectric materials
RT dielectric properties
RT electrical insulators
RT switches
RT transformers

insulation (acoustic)

Use acoustic insulation

insulation (electrical)

Use electrical insulation

insulation (electrical, by dielectric materials)

Use electrical insulation

insulation (electrical, by magnetic fields)

Use magnetic insulation

insulation (magnetic)

Use magnetic insulation

insulation (thermal)

Use thermal insulation

insulators (electrical)

Use electrical insulators

INSULIN

*BT1 peptide hormones
RT diabetes mellitus
RT glucose
RT metabolism
RT pancreas

INSURANCE

UF *health insurance*
UF *marine insurance*
UF *property insurance*
UF *transport insurance*
UF+ *insurance law*
NT1 accident insurance
NT1 nuclear insurance
RT accidents
RT financial security
RT hazards
RT legal aspects
RT liabilities
RT victims compensation

insurance law

Use insurance
AND legal aspects

INTAKE

NT1 chronic intake
NT1 infusion
NT1 ingestion
NT1 inhalation
NT1 injection
NT2 intramuscular injection
NT2 intraperitoneal injection
NT2 intravenous injection
NT2 subcutaneous injection
NT1 oral administration
NT1 rectal administration
NT1 single intake
RT annual limit of intake
RT maximum permissible intake
RT radionuclide administration
RT radionuclide kinetics
RT uptake

INTAKE CANALS

INIS: Apr 2000; ETDE: Jan 1975
RT auxiliary water systems
RT intake structures

INTAKE STRUCTURES

INIS: Jul 1980; ETDE: Jan 1975
BT1 mechanical structures
RT cooling systems
RT impingement
RT intake canals
RT screens

INTEGRAL CALCULUS

UF+ *residues (mathematical)*
BT1 mathematics
RT poincare-bertrand formula

INTEGRAL CROSS SECTIONS

INIS: May 1976; ETDE: Jun 1976
(Cross sections integrated over all angles; a measure of the reaction probability, not of the angular distribution.)
BT1 cross sections
RT excitation functions
RT nuclear reactions

INTEGRAL DOSES

*BT1 radiation doses
RT cuex
RT maximum permissible exposure
RT spatial dose distributions
RT temporal dose distributions

INTEGRAL EQUATIONS

BT1 equations
NT1 blankenbecler-sugar equations
NT1 fredholm equation
NT1 lippmann-schwinger equation
NT1 quasipotential equation
NT1 volterra integral equations
RT differential equations
RT integrals
RT kernels
RT mathematics

RT point kernels

INTEGRAL PAC
UF *perturbed angular correlation (integral)*
*BT1 perturbed angular correlation

INTEGRAL TRANSFORMATIONS
BT1 transformations
NT1 fourier transformation
NT1 hankel transform
NT1 hilbert transformation
NT1 laplace transformation
NT1 mellin transform
RT integrals
RT mathematics

INTEGRALS
(From October 1975 till May 1996 SOMMERFELD INTEGRALS was a valid ETDE descriptor.)
UF *sommerfeld integrals*
NT1 action integral
NT1 collision integrals
NT1 path integrals
NT2 feynman path integral
NT1 resonance integrals
NT1 talmi integrals
RT integral equations
RT integral transformations
RT mathematics
RT quadratures

INTEGRATED CIRCUITS
*BT1 microelectronic circuits

integrated community energy systems
Use ices program

INTEGRATED COOLING SYSTEMS
*BT1 reactor cooling systems

integrated energy utility systems
Use ieus

INTEGRATED IN-SITU PROCESS
INIS: Apr 2000; ETDE: Oct 1981
(Multe Mineral Corp. Process for producing shale oil, raw nahcolite, soda ash, and alumina.)
BT1 modified in-situ processes
RT aluminium oxides
RT nahcolite
RT oil shales

integrated utility systems
Use total energy systems

integrators (pulse)
Use pulse integrators

integrity (fuel)
Use fuel integrity

INTEGRO-DIFFERENTIAL EQUATIONS
INIS: Sep 1995; ETDE: Sep 1995
BT1 equations
NT1 boltzmann equation

intense neutron generator linac
Use linear accelerators
AND neutron sources

intensifiers (image)
Use image intensifiers

inter-governmental maritime consultative organization
Use imo

INTERACTING BOSON MODEL
*BT1 shell models
RT boson expansion
RT boson-fermion symmetry
RT bosons
RT nuclear structure

INTERACTION RANGE
UF *long-range interactions*
UF *short-range interactions*
BT1 distance
RT interactions

INTERACTIONS
(For elementary particles and radiations only. See also CONFIGURATION INTERACTION.)
NT1 basic interactions
NT2 electromagnetic interactions
NT3 compton effect
NT3 coulomb scattering
NT3 electroproduction
NT3 photon-hadron interactions
NT4 photon-baryon interactions
NT5 photon-hyperon interactions
NT5 photon-nucleon interactions
NT6 photon-neutron interactions
NT6 photon-proton interactions
NT4 photon-meson interactions
NT3 photon-photon interactions
NT3 photoproduction
NT4 primakoff effect
NT3 umklapp processes
NT2 gravitational interactions
NT2 strong interactions
NT3 charge-exchange interactions
NT3 peripheral collisions
NT2 weak interactions
NT3 fermi interactions
NT3 leptonic decay
NT1 configuration mixing
NT1 exchange interactions
NT1 final-state interactions
NT1 finite-range interactions
NT1 pair production
NT2 internal pair production
NT1 pairing interactions
NT1 particle interactions
NT2 annihilation
NT2 charged-current interactions
NT2 coherent production
NT2 electron-quark interactions
NT2 electroproduction
NT2 exclusive interactions
NT3 semi-exclusive interactions
NT2 gluon-gluon interactions
NT2 hadron-hadron interactions
NT3 baryon-baryon interactions
NT4 hyperon-hyperon interactions
NT4 nucleon-antinucleon interactions
NT5 antiproton-neutron interactions
NT5 neutron-antineutron interactions
NT5 proton-antineutron interactions
NT5 proton-antiproton interactions
NT4 nucleon-hyperon interactions
NT4 nucleon-nucleon interactions
NT5 neutron-neutron interactions
NT5 proton-nucleon interactions
NT6 proton-neutron interactions
NT6 proton-proton interactions
NT3 meson-baryon interactions
NT4 meson-hyperon interactions
NT5 kaon-hyperon interactions
NT5 pion-hyperon interactions
NT4 meson-nucleon interactions
NT5 kaon-nucleon interactions
NT6 kaon-neutron interactions
NT7 kaon minus-neutron interactions
NT7 kaon neutral-neutron interactions
NT7 kaon plus-neutron interactions
NT6 kaon-proton interactions
NT7 kaon minus-proton interactions
NT7 kaon neutral-proton interactions
NT7 kaon plus-proton interactions
NT5 pion-nucleon interactions
NT6 pion-neutron interactions
NT7 pion minus-neutron interactions
NT7 pion plus-neutron interactions
NT6 pion-proton interactions
NT7 pion minus-proton interactions
NT7 pion plus-proton interactions
NT3 meson-meson interactions
NT4 kaon-kaon interactions
NT4 pion-kaon interactions
NT4 pion-pion interactions
NT2 inclusive interactions
NT3 semi-inclusive interactions
NT2 incoherent production
NT2 lepton-hadron interactions
NT3 lepton-baryon interactions
NT4 lepton-nucleon interactions
NT5 deep inelastic scattering
NT5 electron-nucleon interactions
NT6 electron-neutron interactions
NT6 electron-proton interactions
NT5 lepton-neutron interactions
NT6 antilepton-neutron interactions
NT7 antineutrino-neutron interactions
NT5 lepton-proton interactions
NT6 antilepton-proton interactions
NT7 antineutrino-proton interactions
NT5 muon-nucleon interactions
NT6 muon-neutron interactions
NT6 muon-proton interactions
NT5 neutrino-nucleon interactions
NT6 antineutrino-nucleon interactions
NT7 antineutrino-neutron interactions
NT7 antineutrino-proton interactions
NT6 neutrino-neutron interactions
NT7 antineutrino-neutron interactions
NT6 neutrino-proton interactions
NT7 antineutrino-proton interactions
NT3 lepton-meson interactions
NT4 electron-meson interactions
NT5 electron-pion interactions
NT4 muon-meson interactions
NT4 neutrino-meson interactions
NT2 lepton-lepton interactions
NT3 electron-electron interactions
NT3 electron-muon interactions
NT3 electron-positron interactions
NT3 muon-muon interactions

NT3 neutrino-electron interactions
NT4 antineutrino-electron interactions
NT3 neutrino-muon interactions
NT3 neutrino-neutrino interactions
NT3 positron-positron interactions
NT2 neutral-current interactions
NT2 photon-hadron interactions
NT3 photon-baryon interactions
NT4 photon-hyperon interactions
NT4 photon-nucleon interactions
NT5 photon-neutron interactions
NT5 photon-proton interactions
NT3 photon-meson interactions
NT2 photon-lepton interactions
NT3 photon-electron interactions
NT3 photon-muon interactions
NT3 photon-neutrino interactions
NT2 photon-photon interactions
NT2 photoproduction
NT3 primakoff effect
NT2 quark-antiquark interactions
NT2 quark-gluon interactions
NT2 quark-hadron interactions
NT2 quark-quark interactions
NT1 residual interactions
RT abc effect
RT beam luminosity
RT capture
RT capture-to-fission ratio
RT colliding beams
RT collisions
RT coupling
RT decay
RT effective range theory
RT interaction range
RT lorentz force
RT nuclear molecules
RT nucleon-nucleon potential
RT pomeranchuk theorem
RT scattering
RT selection rules
RT threshold energy
RT transverse momentum
RT wolfenstein parameters

INTERACTIVE DISPLAY DEVICES

UF *interactive graphics*
*BT1 display devices
RT computer graphics

interactive graphics

Use interactive display devices

INTERAGENCY COOPERATION

INIS: Jun 1994; ETDE: Aug 1980
BT1 cooperation

INTERATOMIC DISTANCES

BT1 distance
RT molecular structure

INTERATOMIC FORCES

RT binding energy
RT buckingham potential
RT lennard-jones potential
RT morse potential
RT potentials

intercalates

Use clathrates

INTERCEPTION

INIS: Apr 2000; ETDE: Dec 1984
RT acid rain
RT atmospheric precipitations
RT evaporation
RT forests
RT plants
RT rain water
RT runoff
RT security
RT throughfall
RT water

interchange instability

Use flute instability

INTERCHANGEABILITY

INIS: Feb 1993; ETDE: Sep 1977
(Ability to substitute one energy source, fuel or material for another.)
RT compatibility
RT energy sources
RT fuel substitution
RT fuels
RT material substitution
RT materials
RT resource conservation

INTERCONNECTED POWER SYSTEMS

INIS: Mar 1992; ETDE: May 1979
(A system of two or more individual power systems normally operating with interconnecting tie lines enabling each system to draw on the other's reserves in time of need or for economic reasons.)
UF *power pools*
*BT1 power systems
RT power factor
RT power generation
RT power pooling
RT power transmission
RT sellback

intercrystalline corrosion

Use intergranular corrosion

INTEREST GROUPS

INIS: Dec 1982; ETDE: Dec 1980
(For groups formed to further a particular interest, e.g. antinuclear groups, industry groups.)
UF *antinuclear groups*
UF *lobbies*
UF *pressure groups*
SF *adversaries*
RT consumer protection
RT human intrusion
RT human populations
RT intervenors
RT minority groups

INTEREST RATE

INIS: Apr 2000; ETDE: Jun 1978
UF *discount rate*
RT charges
RT debt collection
RT financing
RT investment

INTERFACES

(Not in the sense of EQUIPMENT INTERFACES.)
NT1 sediment-water interfaces
RT surfaces

interfaces (equipment)

Use equipment interfaces

interfacial tension

See surface tension

INTERFERENCE

RT radio noise
RT wave propagation

INTERFERING ELEMENTS

RT impurities

INTERFEROMETERS

UF *vlb systems*
BT1 measuring instruments
NT1 fabry-perot interferometer
NT1 mach-zehnder interferometer
NT1 michelson interferometer
RT interferometry
RT radio telescopes
RT spectrometers
RT squid devices

INTERFEROMETRY

RT interferometers

INTERFERON

(A protein (lymphokine) released by cells in response to virus infection. When taken up by other cells, interferon inhibits the replication of viruses within them.)
*BT1 lymphokines
RT immunity
RT viruses

INTERGALACTIC SPACE

BT1 space
RT nonluminous matter
RT universe

INTERGOVERNMENTAL COOPERATION

INIS: Apr 1985; ETDE: Dec 1979
(Limited to cooperation between the national government and the government of one or more of the country's administrative subdivisions, or between the governments of some of the subdivisions. Not for INTERNATIONAL COOPERATION.)
BT1 cooperation
RT compact commissions

INTERGRANULAR CORROSION

UF *intercrystalline corrosion*
*BT1 corrosion
RT grain boundaries

interim storage

Use waste storage

INTERKOSMOS SATELLITES

BT1 satellites
RT kosmos satellites
RT proton satellites

INTERLABORATORY COMPARISONS

INIS: Aug 1982; ETDE: Sep 1982
RT calibration standards
RT comparative evaluations
RT cooperation
RT coordinated research programs

interleukins

Use lymphokines

INTERLOCKS

INIS: May 1986; ETDE: Jan 1975
RT control systems
RT reactor control systems
RT switches

INTERMEDIATE BOSONS

UF *w boson*
BT1 bosons
BT1 elementary particles
NT1 intermediate vector bosons
NT2 w minus bosons
NT2 w plus bosons
NT2 z neutral bosons

INTERMEDIATE BTU GAS

INIS: May 1992; ETDE: Jan 1975
(250 to 900 btu per cubic foot.)
UF+ *gobar gas*
*BT1 fuel gas
NT1 carburetted water gas
NT1 town gas
NT1 water gas
RT syngas process

INTERMEDIATE COUPLING

BT1 coupling
NT1 j-j coupling
NT1 l-s coupling
RT tomonaga approximation

intermediate coupling approximation

Use tomonaga approximation

intermediate image spectrometer

Use magnetic lens spectrometers

INTERMEDIATE INFRARED RADIATION

INIS: May 1976; ETDE: Jun 1976
(Wave length range 2.5-50 microns)
*BT1 infrared radiation

INTERMEDIATE-LEVEL RADIOACTIVE WASTES

INIS: May 1978; ETDE: Jan 1978
(Wastes containing from 5 x 10 exp(-5) to 100 microcuries/milliliter of radioactivity.)
UF *medium-level wastes*
*BT1 radioactive wastes
RT high-level radioactive wastes
RT konrad ore mine
RT low-level radioactive wastes
RT morsleben salt mine

INTERMEDIATE MASS NUCLEI

(For nuclei with mass 41-180.)
BT1 nuclei
NT1 antimony 104
NT1 antimony 105
NT1 antimony 106
NT1 antimony 108
NT1 antimony 109
NT1 antimony 110
NT1 antimony 111
NT1 antimony 112
NT1 antimony 113
NT1 antimony 114
NT1 antimony 115
NT1 antimony 116
NT1 antimony 117
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NT1 antimony 129
NT1 antimony 130
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NT1 antimony 134
NT1 antimony 135
NT1 antimony 136
NT1 argon 41
NT1 argon 42
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NT1 arsenic 64
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NT1 chromium 42
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NT1 gold 170
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NT1 iridium 166
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NT1 lead 180
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NT1 mercury 175
NT1 mercury 176
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NT1 molybdenum 100
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NT1 niobium 100
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NT1 palladium 100
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NT1 phosphorus 41

NT1 phosphorus 42
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NT1 platinum 168
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NT1 platinum 175
NT1 platinum 176
NT1 platinum 177
NT1 platinum 178
NT1 platinum 179
NT1 platinum 180
NT1 potassium 41
NT1 potassium 42
NT1 potassium 43
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NT1 potassium 45
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NT1 potassium 47
NT1 potassium 48
NT1 potassium 49
NT1 potassium 50
NT1 potassium 51
NT1 potassium 52
NT1 potassium 53
NT1 potassium 54
NT1 rare earth nuclei
NT2 cerium 121
NT2 cerium 123
NT2 cerium 124
NT2 cerium 125
NT2 cerium 126
NT2 cerium 127
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NT2 dysprosium 141
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NT2 erbium 145
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NT2 samarium 131
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NT1 zirconium 99
RT nuclear structure

INTERMEDIATE NEUTRONS

*BT1 neutrons
RT resonance neutrons

INTERMEDIATE REACTORS

*BT1 epithermal reactors
NT1 thor reactor
RT resonance neutrons

INTERMEDIATE RESONANCE

BT1 resonance
RT cross sections
RT intermediate structure
RT nuclear reactions

INTERMEDIATE STATE

INIS: Apr 2000; ETDE: Jun 1975
(A state of partial superconductivity that occurs when a magnetic field of appropriate strength is applied to a superconducting material below its critical temperature.)
RT superconductivity

intermediate storage

Use waste storage

INTERMEDIATE STRUCTURE

RT cross sections
RT intermediate resonance
RT nuclear reactions

intermediate technology

Use appropriate technology

INTERMEDIATE VECTOR BOSONS

SF *weak boson*
*BT1 intermediate bosons
NT1 w minus bosons
NT1 w plus bosons
NT1 z neutral bosons
RT electron-quark interactions
RT weinberg angle

intermediates (reaction)

See reaction intermediates

INTERMETALLIC COMPOUNDS

(Alloy of two or more metals in which a change in composition is accompanied by a progression of phases, differing in crystal structure. Index the constituent metals with descriptors of the form (METAL) ALLOYS.)
UF *electron compounds*
BT1 alloys
NT1 cementite
RT antimonides
RT arsenides
RT borides
RT laves phases
RT selenides
RT semimetals
RT silicides
RT tellurides

INTERMOLECULAR FORCES

RT binding energy
RT potentials
RT van der waals forces

INTERNAL BREMSSTRAHLUNG

UF *inner bremsstrahlung*
*BT1 bremsstrahlung

INTERNAL COMBUSTION ENGINES

INIS: Sep 1994; ETDE: Jan 1975
UF *gas engines*
UF *gasoline engines*
*BT1 heat engines
NT1 diesel engines
NT1 dual-fuel engines
NT1 gas turbine engines
NT1 ramjet engines
NT1 rotary engines
NT2 wankel engines
NT1 spark ignition engines
NT2 wankel engines
NT1 stratified charge engines
NT1 turbofan engines
NT1 turbojet engines
RT aaps
RT carburetors
RT compression ratio
RT exhaust gases
RT ignition systems
RT knock control
RT pcv systems
RT pistons
RT superchargers

internal contamination

Use radionuclide kinetics

INTERNAL CONVERSION

BT1 conversion
*BT1 nuclear decay
NT1 k conversion
NT1 l conversion
NT1 m conversion
RT energy levels
RT gamma decay
RT internal conversion radioisotopes
RT internal pair production

INTERNAL CONVERSION RADIOISOTOPES

*BT1 radioisotopes
NT1 actinium 227
NT1 antimony 119
NT1 antimony 122
NT1 antimony 124
NT1 antimony 126
NT1 astatine 212
NT1 barium 131
NT1 barium 133
NT1 barium 135
NT1 berkelium 243
NT1 bromine 77
NT1 bromine 80
NT1 bromine 82
NT1 cadmium 111
NT1 cadmium 113
NT1 californium 247
NT1 californium 250
NT1 cerium 133
NT1 cerium 137
NT1 cesium 123
NT1 cesium 134
NT1 cesium 138
NT1 cobalt 58
NT1 cobalt 60
NT1 dysprosium 159
NT1 einsteinium 254
NT1 erbium 156
NT1 erbium 169
NT1 germanium 73
NT1 germanium 75
NT1 gold 191
NT1 gold 193
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NT1 hafnium 178
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NT1 krypton 79
NT1 krypton 83
NT1 lead 199
NT1 lead 202
NT1 lutetium 169
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NT1 mercury 193
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NT1 molybdenum 93
NT1 neodymium 147
NT1 neptunium 236
NT1 niobium 91

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NT1 osmium 194
NT1 palladium 112
NT1 platinum 193
NT1 platinum 195
NT1 platinum 197
NT1 platinum 199
NT1 plutonium 235
NT1 plutonium 237
NT1 polonium 199
NT1 polonium 201
NT1 polonium 202
NT1 polonium 203
NT1 polonium 205
NT1 polonium 206
NT1 polonium 207
NT1 praseodymium 142
NT1 promethium 145
NT1 radium 213
NT1 radium 225
NT1 radium 228
NT1 radium 230
NT1 radon 210
NT1 radon 211
NT1 rhenium 183
NT1 rhenium 184
NT1 rhenium 188
NT1 rhenium 189
NT1 rhodium 100
NT1 rhodium 101
NT1 rhodium 103
NT1 rhodium 105
NT1 rhodium 96
NT1 rubidium 81
NT1 samarium 145
NT1 samarium 151
NT1 scandium 46
NT1 selenium 79
NT1 selenium 81
NT1 silver 103
NT1 silver 105
NT1 silver 107
NT1 silver 109
NT1 silver 111
NT1 silver 99
NT1 tantalum 182
NT1 technetium 96
NT1 technetium 97
NT1 technetium 99
NT1 tellurium 121
NT1 tellurium 123
NT1 tellurium 125
NT1 terbium 151
NT1 terbium 157
NT1 terbium 158
NT1 thallium 198
NT1 thorium 234
NT1 thulium 159
NT1 thulium 161
NT1 tin 113
NT1 tin 119
NT1 tin 121
NT1 tungsten 176
NT1 tungsten 181
NT1 tungsten 185
NT1 uranium 230
NT1 uranium 235
NT1 uranium 240
NT1 xenon 125
NT1 xenon 129
NT1 xenon 131
NT1 xenon 133
NT1 ytterbium 164
NT1 ytterbium 165
NT1 ytterbium 166
NT1 ytterbium 177
NT1 yttrium 86
RT internal conversion

INTERNAL ELECTROMAGNETIC PULSES
*BT1 electromagnetic pulses
RT electron emission

INTERNAL FRICTION
UF *friction (internal)*
BT1 friction
RT bordoni peak
RT crystal defects
RT damping
RT hysteresis
RT viscosity

INTERNAL IONIZATION
BT1 ionization
RT beta decay

INTERNAL IRRADIATION
UF+ *absorbed fraction (internal irradiation)*
UF+ *effective energy (internal irradiation)*
BT1 irradiation
RT afterloading
RT brachytherapy
RT critical organs
RT dose commitments
RT radiation source implants
RT radionuclide kinetics
RT unsealed sources

INTERNAL MARKET
(Until December 1994 this concept was indexed to COMMON MARKET.)
UF *common market*
UF *european economic community*
UF *single market*
*BT1 european union

internal medicine
Use medicine

INTERNAL PAIR PRODUCTION
(Creation of an electron-positron pair by internal conversion of a nucleus with excitation of more than 1.022 MeV.)
UF *pair conversion*
*BT1 pair production
RT decay
RT internal conversion

internal revenue service
Use us irs

INTERNAL RING DEVICES
*BT1 closed plasma devices
NT1 fm devices
NT1 levitron devices
NT1 lm devices
NT1 spherator
NT1 tokapole devices
NT1 tornado devices
RT minimum average-b configurations
RT multipolar configurations

INTERNAL WAVES
INIS: Apr 2000; ETDE: Feb 1982
(A wave motion of a stably stratified fluid in which the maximum vertical motion takes place below the surface of the fluid.)
RT energy transfer
RT water waves
RT wave propagation

international affairs
Use international relations

INTERNATIONAL AGREEMENTS
(Including agreements involving international organizations. The countries or organizations parties to the agreement are also indexed if appropriate.)
BT1 agreements
NT1 atomic energy agreements
NT1 bcoclmcnm
NT1 bcolons
NT1 bcstpc
NT1 bilateral agreements
NT1 canare
NT1 cenna
NT1 cppnm
NT1 cscnd
NT1 iaea agreements
NT1 icns
NT1 lcpmpdpw
NT1 multilateral agreements
NT2 kyoto protocol
NT2 rio declaration
NT1 pcotpl
NT1 solas convention
NT1 vcoclnd
RT coordinated research programs
RT foreign policy
RT international cooperation
RT international relations
RT north star project
RT nuclear freeze
RT rarotonga treaty
RT treaties

international atomic energy agency
Use iaea

international center for theoretical physics
Use ictp

international commission radiation units
Use icru

international commission radiological protection
Use icrp

INTERNATIONAL CONTROL
*BT1 atomic energy control
RT international cooperation

international convention on nuclear safety
Use icns

INTERNATIONAL COOPERATION
(The cooperating countries or organizations are also indexed if appropriate.)
BT1 cooperation
RT coordinated research programs
RT dumand project
RT embargoes
RT euromarket
RT foreign policy
RT ifiec
RT international agreements
RT international control
RT international nuclear data committee
RT international organizations
RT international relations
RT military assistance
RT multinational enterprises
RT technology transfer

INTERNATIONAL ENERGY AGENCY
INIS: Apr 1977; ETDE: Mar 1976
UF *iea*

BT1 international organizations
RT energy policy
RT energy shortages
RT etde
RT oecd

international federation of industrial energy consumers
Use ifiec

international food irradiation project
Use ifip

international fusion superconducting magnet test facility
Use test facilities

INTERNATIONAL GEOPHYSICAL YEAR
UF *igy*
RT geophysics
RT sun

international labour organisation
Use ilo

INTERNATIONAL LAWS
(Prior to December 1990, this descriptor was spelled INTERNATIONAL LAW.)
BT1 laws
RT treaties

INTERNATIONAL MAGNETOSPHERIC STUDY
INIS: Apr 1977; ETDE: Oct 1977
(The study covers the years 1976-1978. Prior to December 1990, this descriptor was spelled INTERNATL MAGNETOSPHERIC STUDY, and documents were indexed with this spelling.)
UF *ims*
UF *internatl magnetospheric study*
RT earth magnetosphere
RT geomagnetic field
RT magnetopause
RT magnetosheath
RT magnetotail
RT plasmapause
RT plasmasphere

international maritime consultative organization
Use imo

international maritime organization
Use imo

INTERNATIONAL NUCLEAR DATA COMMITTEE
INIS: Jul 1976; ETDE: Jan 1978
UF *indc*
BT1 international organizations
RT international cooperation
RT nuclear data collections
RT us nuclear data network

INTERNATIONAL NUCLEAR EVENT SCALE
UF *ines*
RT emergency plans
RT fission product release
RT radiation accidents
RT radiation protection
RT reactor accidents
RT reactor safety

international nuclear information system
Use inis

INTERNATIONAL ORGANIZATIONS
UF *ccms*
UF *oas*
UF *organization of american states*
NT1 abacc
NT1 arab atomic energy agency
NT1 cern
NT1 comecon
NT1 ctbto
NT1 esa
NT1 esarda
NT1 eurodif
NT1 european union
NT2 ecsc
NT2 euratom
NT2 internal market
NT1 fao
NT1 foratom
NT1 iaea
NT2 ictp
NT2 ilmr
NT2 seibersdorf iaea laboratory
NT1 icrp
NT1 icru
NT1 ifiec
NT1 ilo
NT1 imo
NT1 international energy agency
NT1 international nuclear data committee
NT1 irpa
NT1 iso
NT1 jinr
NT1 nato
NT1 oapec
NT1 oecd
NT2 nea
NT1 opec
NT1 unep
NT1 unesco
NT1 unido
NT1 united nations
NT2 unidir
NT2 unscear
NT1 uranium institute
NT1 wano
NT1 wenra
NT1 who
NT1 wmo
NT1 world energy council
RT coordinated research programs
RT international cooperation
RT member states
RT national organizations

INTERNATIONAL QUIET SUN YEAR
UF *iqsy*
RT sun

international radiation protection association
Use irpa

INTERNATIONAL REGULATIONS
INIS: Jul 1976; ETDE: Sep 1976
*BT1 regulations
NT1 oecd mcmsdrw

INTERNATIONAL RELATIONS
INIS: Sep 1994; ETDE: May 1980
(Political aspects of affairs between countries.)
UF *balance of power*
UF *international affairs*
RT international agreements
RT international cooperation
RT salt talks
RT trade

INTERNATIONAL SOLAR MAXIMUM YEAR
INIS: Jun 1981; ETDE: Aug 1981
(Began in October 1979. Prior to December 1990, this descriptor was spelled INTERNATL SOLAR MAXIMUM YEAR, and documents were indexed with this spelling.)
UF *internatl solar maximum year*
RT solar cycle
RT sun

international standard organization
Use iso

international tokamak reactor
Use intor tokamak

internatl magnetospheric study
Use international magnetospheric study

internatl solar maximum year
Use international solar maximum year

INTERNET
INIS: Oct 1995; ETDE: Oct 1995
(For documents discussing the Internet.)
BT1 computer networks
RT information dissemination

INTERPLANETARY MAGNETIC FIELDS
BT1 magnetic fields
RT interplanetary space

INTERPLANETARY SPACE
BT1 space
RT geocorona
RT interplanetary magnetic fields
RT solar system
RT zodiacal light

INTERPOLATION
*BT1 numerical solution
RT extrapolation
RT mathematics
RT runge-kutta method
RT spline functions

intersecting beams
Use colliding beams

intersecting storage accelerator
Use isabelle storage rings

INTERSTELLAR GRAINS
BT1 particles
RT cosmic dust
RT cosmic gases
RT star accretion

INTERSTELLAR MAGNETIC FIELDS
BT1 magnetic fields
RT interstellar space

INTERSTELLAR SPACE
BT1 space
RT cosmic dust
RT cosmic gases
RT interstellar magnetic fields
RT milky way
RT star accretion

interstitial cell stim hormone
Use lh

INTERSTITIAL HELIUM GENERATION
INIS: Nov 1982; ETDE: Aug 1991
(Generation of helium in the lattice structure of structural materials due to neutron irradiation. Prior to December1990, this concept was indexed by HELIUM GENERATION.)
UF *helium generation*
UF *helium production rates*
SF *gas production rates*
*BT1 physical radiation effects
RT damaging neutron fluence
RT helium embrittlement

INTERSTITIAL HYDROGEN GENERATION
INIS: Nov 1982; ETDE: Aug 1991
(Generation of hydrogen in the lattice structure of structural materials due to neutron irradiation. Prior to December 1990, this concept was indexed by HYDROGEN GENERATION.)
UF *hydrogen generation*
UF *hydrogen production rates*
SF *gas production rates*
*BT1 physical radiation effects
RT damaging neutron fluence
RT hydrogen embrittlement

INTERSTITIAL WATER
INIS: Aug 1994; ETDE: Aug 1976
(Subsurface water contained in pore spaces between the grains of rock and sediments.)
UF *connate water*
UF *formation water*
*BT1 ground water
RT natural gas wells
RT oil wells
RT pore pressure
RT reservoir fluids
RT reservoir rock
RT sandstones

INTERSTITIALS
*BT1 point defects
NT1 i centers
RT crowdions

interuniversitair reactor instituut
Use iri

INTERVENORS
INIS: Dec 1982; ETDE: Sep 1977
(From July 1976 till February 1997 ADVERSARIES was a valid ETDE descriptor.)
SF *adversaries*
RT decision making
RT interest groups
RT legal aspects

interventions
Use administrative procedures

intervertebral disks
Use cartilage
AND vertebrae

INTESTINAL ABSORPTION
UF *absorption (intestinal)*
*BT1 absorption
BT1 uptake
RT digestion
RT ingestion
RT oral administration
RT portal system
RT rectal administration
RT small intestine

INTESTINES
*BT1 gastrointestinal tract
*BT1 organs
NT1 large intestine
NT2 rectum
NT1 small intestine
RT aerobacter
RT ascaridae
RT constipation
RT crypt cells
RT diarrhea
RT enteritis
RT escherichia coli
RT portal system

INTOR TOKAMAK
INIS: Sep 1980; ETDE: Dec 1979
(International tokamak reactor.)
UF *international tokamak reactor*
*BT1 tokamak devices

INTRACELLULAR DIGESTION
BT1 digestion
RT animal cells
RT phagocytosis

INTRAMUSCULAR INJECTION
*BT1 injection

intranuclear cascades
Use nuclear cascades

INTRAPERITONEAL INJECTION
*BT1 injection
RT peritoneum

INTRATRACHEAL ADMINISTRATION
RT inhalation
RT radionuclide administration
RT trachea

INTRAVENOUS INJECTION
*BT1 injection
RT veins

INTRINSIC FACTOR
*BT1 hematinics
*BT1 mucoproteins
RT anemias
RT hormones
RT stomach
RT vitamin b-12

INTRONS
INIS: Feb 1994; ETDE: Feb 1994
RT dna
RT exons
RT gene regulation
RT genes
RT rna
RT splicing

intrusion
See biointrusion
OR human intrusion
OR plutonic rocks
OR water influx

intrusion (animals)
Use biointrusion

intrusion (human)
Use human intrusion

intrusion (plants)
Use biointrusion

intrusion (rock)
Use plutonic rocks

intrusion (water)
Use water influx

INTRUSION DETECTION SYSTEMS
INIS: Sep 1983; ETDE: Sep 1982
SF *adaptive intrusion data systems*
BT1 alarm systems
RT detection
RT motion detection systems
RT nuclear materials management
RT physical protection
RT safeguards
RT security

intrusive rocks
Use plutonic rocks

INULIN
*BT1 polysaccharides
RT polyacetals

invap (argentina)
Use argentine invap

INVAR
*BT1 iron base alloys
*BT1 nickel alloys

INVARIANCE PRINCIPLES
NT1 c invariance
NT1 charge independence
NT1 conformal invariance
NT1 cp invariance
NT1 cpt theorem
NT1 g-parity invariance
NT1 gauge invariance
NT1 lorentz invariance
NT1 p invariance
NT1 rotational invariance
NT1 scale invariance
NT1 t invariance
NT2 detailed balance principle
RT adiabatic invariance
RT basic interactions
RT conservation laws
RT goldstone bosons
RT symmetry

INVARIANT IMBEDDING
RT geometry
RT topology
RT transport theory

invention secrecy act
See laws
OR secrecy protection

INVENTIONS
INIS: Jul 1994; ETDE: Oct 1979
RT patents
RT technology transfer

INVENTORIES
UF *petroleum stocks*
UF *stocks*
RT accounting
RT availability
RT losses
RT material balance
RT material unaccounted for
RT safeguards
RT shortages
RT storage
RT storage facilities

inverse pinch devices (linear)
Use linear hard core pinch devices

INVERSE SCATTERING PROBLEM

(Problem of determining scattering potential from phase shifts.)

RT scattering

inversion

Use temperature inversions

inversions (temperature)

Use temperature inversions

INVERTEBRATES

BT1 animals
NT1 annelids
NT1 arthropods
NT2 arachnids
NT3 mites
NT3 scorpions
NT3 spiders
NT3 ticks
NT2 crustaceans
NT3 branchiopods
NT4 artemia
NT4 daphnia
NT3 copepods
NT3 decapods
NT4 crabs
NT4 lobsters
NT4 prawns
NT4 shrimp
NT2 insects
NT3 coleoptera
NT4 beetles
NT5 boll weevil
NT5 tribolium
NT3 dictyoptera
NT4 cockroaches
NT3 diptera
NT4 flies
NT5 fruit flies
NT6 anastrepha
NT6 ceratitis capitata
NT6 dacus
NT7 dacus oleae
NT6 drosophila
NT5 glossina
NT5 hylemya antiqua
NT5 screwworm fly
NT4 mosquitoes
NT3 ephemeroptera
NT3 hemiptera
NT4 aphids
NT3 hymenoptera
NT4 ants
NT4 bees
NT4 wasps
NT3 lepidoptera
NT4 moths
NT5 bollworm
NT5 codling moth
NT5 lymantria dispar
NT5 rice stem borers
NT5 silkworm
NT3 orthoptera
NT4 grasshoppers
NT5 locusts
NT1 aschelminthes
NT2 nematodes
NT3 ascaridae
NT4 ascaris
NT3 dictyocaulus
NT3 hookworm
NT3 trichinella
NT1 bryozoa
NT1 coelenterata
NT2 cnidaria
NT3 corals
NT3 hydra
NT1 echinoderms
NT2 sea urchins
NT1 molluscs
NT2 clams
NT2 mussels
NT2 oysters
NT2 snails
NT1 platyhelminths
NT2 cestodes
NT2 trematodes
NT3 fasciola
NT3 schistosoma
NT2 turbellaria
NT3 planaria
NT1 protozoa
NT2 ciliata
NT3 paramecium
NT3 tetrahymena
NT2 mastigophora
NT3 dinoflagellate
NT3 euglena
NT3 trypanosoma
NT2 sarcodina
NT3 amoeba
NT3 foraminifera
NT2 sporozoa
NT3 babesidae
NT3 plasmodium
NT1 rotifera
RT parasites

INVERTED STEPANOV METHOD

INIS: May 1987; ETDE: Feb 1980

(An edge-defined film-growth method which uses nonwetted dies.)

SF *stepanov method*
BT1 crystal growth methods
RT crystal growth
RT efg method
RT sheets

INVERTERS

INIS: Sep 1976; ETDE: Aug 1975

(Excludes AC to DC converters for which use RECTIFIERS.)

UF *dc to ac inverters*
*BT1 electrical equipment
RT dc to dc converters
RT power conditioning circuits
RT power supplies

investigations

See administrative procedures

INVESTMENT

RT capital
RT cost
RT diversification
RT economics
RT euromarket
RT financing
RT interest rate
RT payback period
RT property values

inviscid flow

Use ideal flow

INVOICES

(Itemized lists of goods shipped, usually specifying the price and the terms of sale.)

RT accounting
RT charges

IODATES

(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)

*BT1 iodine compounds
BT1 oxygen compounds
RT iodic acid

iodex process

Use iodox process

IODIC ACID

*BT1 inorganic acids
*BT1 iodine compounds
BT1 oxygen compounds
RT iodates

IODIDES

UF+ *americium iodides*
UF+ *astatine iodides*
UF+ *beryllium iodides*
UF+ *californium iodides*
UF+ *einsteinium iodides*
UF+ *fermium iodides*
UF+ *polonium iodides*
UF+ *promethium iodides*
UF+ *protactinium iodides*
*BT1 halides
*BT1 iodine compounds
NT1 aluminium iodides
NT1 antimony iodides
NT1 argon iodides
NT1 arsenic iodides
NT1 barium iodides
NT1 bismuth iodides
NT1 boron iodides
NT1 cadmium iodides
NT1 calcium iodides
NT1 cerium iodides
NT1 cesium iodides
NT1 chromium iodides
NT1 cobalt iodides
NT1 copper iodides
NT1 curium iodides
NT1 dysprosium iodides
NT1 erbium iodides
NT1 europium iodides
NT1 gadolinium iodides
NT1 gallium iodides
NT1 germanium iodides
NT1 gold iodides
NT1 hafnium iodides
NT1 holmium iodides
NT1 indium iodides
NT1 iron iodides
NT1 lanthanum iodides
NT1 lead iodides
NT1 lithium iodides
NT1 lutetium iodides
NT1 magnesium iodides
NT1 manganese iodides
NT1 mercury iodides
NT1 molybdenum iodides
NT1 neodymium iodides
NT1 neon iodides
NT1 neptunium iodides
NT1 nickel iodides
NT1 niobium iodides
NT1 nitrogen iodides
NT1 palladium iodides
NT1 phosphorus iodides
NT1 platinum iodides
NT1 plutonium iodides
NT1 potassium iodides
NT1 praseodymium iodides
NT1 rhenium iodides
NT1 rubidium iodides
NT1 samarium iodides
NT1 scandium iodides
NT1 selenium iodides
NT1 silicon iodides
NT1 silver iodides
NT1 sodium iodides
NT1 strontium iodides

NT1 tantalum iodides
NT1 technetium iodides
NT1 tellurium iodides
NT1 terbium iodides
NT1 thallium iodides
NT1 thorium iodides
NT1 thulium iodides
NT1 tin iodides
NT1 titanium iodides
NT1 tungsten iodides
NT1 uranium iodides
NT1 vanadium iodides
NT1 xenon iodides
NT1 ytterbium iodides
NT1 yttrium iodides
NT1 zinc iodides
NT1 zirconium iodides
RT hydriodic acid
RT oxyiodides

IODINATED ALICYCLIC HYDROCARBONS

INIS: Apr 2000; ETDE: Feb 1975
*BT1 halogenated alicyclic hydrocarbons
*BT1 organic iodine compounds

IODINATED ALIPHATIC HYDROCARBONS

(Prior to October 1991, this concept was indexed by ORGANIC IODINE COMPOUNDS.)
*BT1 halogenated aliphatic hydrocarbons
*BT1 organic iodine compounds
NT1 iodoform
NT1 methyl iodide

IODINATED AROMATIC HYDROCARBONS

INIS: Oct 1991; ETDE: Feb 1975
*BT1 halogenated aromatic hydrocarbons
*BT1 organic iodine compounds

iodinated hydrocarbons

Use organic iodine compounds

IODINATION

*BT1 halogenation
RT deiodination

IODINE

UF *iodine iodides*
*BT1 halogens
RT iodine additions
RT iodox process
RT lugol
RT thyroglobulin
RT thyroid
RT thyroid hormones

IODINE 108

INIS: Mar 1991; ETDE: Apr 1991
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

IODINE 109

INIS: Jun 1984; ETDE: Jul 1984
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 microseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 proton decay radioisotopes

IODINE 110

INIS: Feb 1978; ETDE: Apr 1978
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

IODINE 111

INIS: Feb 1978; ETDE: Apr 1978
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

IODINE 112

INIS: Feb 1978; ETDE: Apr 1978
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

IODINE 113

INIS: Feb 1978; ETDE: Apr 1978
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

IODINE 114

INIS: Feb 1978; ETDE: Mar 1978
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

IODINE 115

INIS: Jul 1978; ETDE: Jan 1975
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

IODINE 116

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 isomeric transition isotopes
*BT1 microseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

IODINE 117

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

IODINE 118

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

IODINE 119

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

IODINE 120

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

IODINE 121

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 isomeric transition isotopes
*BT1 microseconds living radioisotopes
*BT1 odd-even nuclei

IODINE 122

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 isomeric transition isotopes
*BT1 microseconds living radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

IODINE 123

*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 odd-even nuclei

IODINE 124

*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 odd-odd nuclei

IODINE 125

*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 iodine isotopes
*BT1 odd-even nuclei

IODINE 126

*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 odd-odd nuclei

IODINE 127

*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 odd-even nuclei
*BT1 stable isotopes

IODINE 127 BEAMS

INIS: Apr 1979; ETDE: May 1979
*BT1 ion beams

IODINE 127 REACTIONS

INIS: May 1984; ETDE: May 1984
*BT1 heavy ion reactions

IODINE 127 TARGET

BT1 targets

IODINE 128
*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

IODINE 128 TARGET
INIS: Jul 1984; ETDE: Aug 1984
BT1 targets

IODINE 129
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 iodine isotopes
*BT1 odd-even nuclei
*BT1 years living radioisotopes

IODINE 129 TARGET
BT1 targets

IODINE 130
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 iodine isotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

IODINE 131
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 odd-even nuclei

IODINE 132
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 iodine isotopes
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei

IODINE 133
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 iodine isotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

IODINE 134
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

IODINE 135
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 odd-even nuclei

IODINE 136
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

IODINE 137
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

IODINE 138
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

IODINE 139
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

IODINE 140
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

IODINE 141
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

IODINE 142
INIS: Apr 1986; ETDE: Jul 1986
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iodine isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

IODINE ADDITIONS
INIS: Jul 1976; ETDE: Sep 1976
RT iodine

IODINE BROMIDES
UF *bromine iodides*
*BT1 bromides
*BT1 iodine compounds

IODINE CHLORIDES
UF *chlorine iodides*
*BT1 chlorides
*BT1 iodine compounds

IODINE COMPLEXES
BT1 complexes

IODINE COMPOUNDS
BT1 halogen compounds
NT1 hydriodic acid
NT1 hypoiodous acid
NT1 iodates
NT1 iodic acid
NT1 iodides
NT2 aluminium iodides
NT2 antimony iodides
NT2 argon iodides
NT2 arsenic iodides
NT2 barium iodides
NT2 bismuth iodides
NT2 boron iodides
NT2 cadmium iodides
NT2 calcium iodides
NT2 cerium iodides
NT2 cesium iodides
NT2 chromium iodides
NT2 cobalt iodides
NT2 copper iodides
NT2 curium iodides
NT2 dysprosium iodides
NT2 erbium iodides
NT2 europium iodides
NT2 gadolinium iodides
NT2 gallium iodides
NT2 germanium iodides
NT2 gold iodides
NT2 hafnium iodides
NT2 holmium iodides
NT2 indium iodides
NT2 iron iodides
NT2 lanthanum iodides
NT2 lead iodides
NT2 lithium iodides
NT2 lutetium iodides
NT2 magnesium iodides
NT2 manganese iodides
NT2 mercury iodides
NT2 molybdenum iodides
NT2 neodymium iodides
NT2 neon iodides
NT2 neptunium iodides
NT2 nickel iodides
NT2 niobium iodides
NT2 nitrogen iodides
NT2 palladium iodides
NT2 phosphorus iodides
NT2 platinum iodides
NT2 plutonium iodides
NT2 potassium iodides
NT2 praseodymium iodides
NT2 rhenium iodides
NT2 rubidium iodides
NT2 samarium iodides
NT2 scandium iodides
NT2 selenium iodides
NT2 silicon iodides
NT2 silver iodides
NT2 sodium iodides
NT2 strontium iodides
NT2 tantalum iodides
NT2 technetium iodides
NT2 tellurium iodides
NT2 terbium iodides
NT2 thallium iodides
NT2 thorium iodides
NT2 thulium iodides
NT2 tin iodides
NT2 titanium iodides
NT2 tungsten iodides
NT2 uranium iodides
NT2 vanadium iodides
NT2 xenon iodides
NT2 ytterbium iodides
NT2 yttrium iodides
NT2 zinc iodides
NT2 zirconium iodides
NT1 iodine bromides
NT1 iodine chlorides
NT1 iodine fluorides
NT1 iodine oxides
NT1 oxyiodides
NT1 periodates
NT1 periodic acid
RT organic iodine compounds

IODINE FLUORIDES
UF *fluorine iodides*
*BT1 fluorides
*BT1 iodine compounds

iodine iodides
Use iodine

IODINE IONS
*BT1 ions

IODINE ISOTOPES
BT1 isotopes
NT1 iodine 108
NT1 iodine 109
NT1 iodine 110
NT1 iodine 111
NT1 iodine 112
NT1 iodine 113
NT1 iodine 114
NT1 iodine 115
NT1 iodine 116
NT1 iodine 117
NT1 iodine 118
NT1 iodine 119
NT1 iodine 120
NT1 iodine 121
NT1 iodine 122
NT1 iodine 123
NT1 iodine 124
NT1 iodine 125
NT1 iodine 126
NT1 iodine 127
NT1 iodine 128
NT1 iodine 129
NT1 iodine 130
NT1 iodine 131
NT1 iodine 132
NT1 iodine 133
NT1 iodine 134
NT1 iodine 135
NT1 iodine 136
NT1 iodine 137
NT1 iodine 138
NT1 iodine 139
NT1 iodine 140
NT1 iodine 141
NT1 iodine 142

IODINE LASERS
INIS: Jul 1985; ETDE: Jul 1995
*BT1 gas lasers

IODINE NUMBER
INIS: Apr 2000; ETDE: Apr 1975
(A measure of the unsaturation of a substance, as an oil or fat.)
RT chemical composition

IODINE OXIDES
*BT1 iodine compounds
*BT1 oxides
RT oxyiodides

iodochloroquine
Use organic chlorine compounds
AND organic iodine compounds

IODODEOXYURIDINE
UF *iudr*
*BT1 iodouracils
*BT1 nucleosides
RT deoxyuridine

IODOFORM
*BT1 iodinated aliphatic hydrocarbons
RT hydrocarbons
RT methane

iodohippurate
Use hippuran

iodohippurate-na
Use hippuran

IODOMETRY
*BT1 titration

iodopyracet
Use contrast media
AND heterocyclic acids
AND organic iodine compounds
AND pyridines

IODOURACILS
*BT1 antimetabolites
*BT1 organic iodine compounds
*BT1 uracils
NT1 iododeoxyuridine

IODOX PROCESS
UF *iodex process*
*BT1 reprocessing
RT iodine
RT methyl iodide
RT radioactive waste processing

ioglycamic acid
Use amides
AND ethers
AND monocarboxylic acids
AND organic iodine compounds

IOHEXOL
INIS: Jun 1983; ETDE: Jul 1983
BT1 contrast media

ION ACOUSTIC WAVES
(Non-dispersive ion waves)
UF *non-dispersive ion waves*
UF *nondispersive ion waves*
*BT1 ion waves
RT sonic probes
RT sound waves

ION-ATOM COLLISIONS
UF+ *proton-atom collisions*
*BT1 atom collisions
*BT1 ion collisions
RT electron-promotion model

ION BEAM FUSION REACTORS
INIS: Nov 1982; ETDE: Feb 1983
UF *i-beam type reactors*
UF *ion beam type reactors*
BT1 thermonuclear reactors
RT icf devices
RT inertial confinement
RT inertial fusion drivers
RT particle beam fusion accelerator

ION BEAM INJECTION
BT1 beam injection
NT1 molecular ion beam injection

ION BEAM TARGETS
INIS: Nov 1982; ETDE: Sep 1978
SF *icf targets*
SF *inertial confinement fusion targets*
BT1 targets
RT electron beam targets
RT inertial confinement
RT laser targets
RT thermonuclear fuels

ion beam type reactors
Use ion beam fusion reactors

ION BEAMS
BT1 beams
NT1 aluminium 27 beams
NT1 argon 38 beams
NT1 argon 40 beams
NT1 beryllium 9 beams
NT1 bismuth 209 beams
NT1 boron 10 beams
NT1 boron 11 beams
NT1 bromine 79 beams
NT1 calcium 40 beams
NT1 calcium 48 beams
NT1 carbon 12 beams
NT1 carbon 13 beams
NT1 chlorine 35 beams
NT1 chlorine 37 beams
NT1 copper 63 beams
NT1 deuteron beams
NT1 fluorine 19 beams
NT1 gadolinium 155 beams
NT1 germanium 74 beams
NT1 germanium 76 beams
NT1 gold 197 beams
NT1 helium 3 beams
NT1 helium 4 beams
NT2 alpha beams
NT1 hydrogen 1 minus beams
NT1 iodine 127 beams
NT1 iron 56 beams
NT1 iron 58 beams
NT1 krypton 84 beams
NT1 krypton 86 beams
NT1 lanthanum 139 beams
NT1 lead 208 beams
NT1 lithium 6 beams
NT1 lithium 7 beams
NT1 magnesium 24 beams
NT1 magnesium 25 beams
NT1 neon 20 beams
NT1 neon 22 beams
NT1 nickel 58 beams
NT1 nickel 60 beams
NT1 nitrogen 14 beams
NT1 nitrogen 15 beams
NT1 oxygen 16 beams
NT1 oxygen 18 beams
NT1 phosphorus 31 beams
NT1 potassium 39 beams
NT1 potassium 41 beams
NT1 radioactive ion beams
NT2 argon 39 beams
NT2 beryllium 7 beams
NT2 carbon 10 beams
NT2 carbon 11 beams
NT2 carbon 14 beams
NT2 chlorine 39 beams
NT2 helium 8 beams
NT2 neon 19 beams
NT2 nitrogen 13 beams
NT2 sulfur 38 beams
NT2 triton beams
NT2 uranium 238 beams
NT1 silicon 28 beams
NT1 silicon 29 beams
NT1 silver 107 beams
NT1 sodium 23 beams
NT1 sulfur 32 beams
NT1 tin 120 beams
NT1 titanium 48 beams
NT1 titanium 50 beams
NT1 tungsten 184 beams
NT1 xenon 129 beams
NT1 xenon 131 beams
NT1 xenon 132 beams
NT1 xenon 136 beams
RT anions
RT beam strippers
RT cations
RT charge distribution
RT charged particles
RT heavy ions
RT ion implantation
RT ion probes
RT ion scattering analysis
RT ion spectroscopy
RT ions
RT light ions
RT migma devices
RT particle beams
RT sputtering

ion blocking
Use ion channeling

ION CHANNELING
UF *ion blocking*
BT1 channeling
RT crystal lattices
RT ions

ion clusters
Use ion pairs

ION COLLISIONS
BT1 collisions
NT1 electron-ion collisions
NT1 ion-atom collisions
NT1 ion-ion collisions
NT1 ion-molecule collisions
NT1 photon-ion collisions
NT1 positron-ion collisions

ION CYCLOTRON-RESONANCE
INIS: Dec 1983; ETDE: Jan 1984
UF *icr*
*BT1 cyclotron resonance
RT icr heating

ion cyclotron-resonance heating
Use icr heating

ION CYCLOTRON RESONANCE SPECTROSCOPY
INIS: Apr 2000; ETDE: Mar 1976
*BT1 ion spectroscopy
RT cyclotron resonance

ION DENSITY
UF *density (ion)*
RT ions

ION DETECTION
*BT1 charged particle detection
RT heavy ions
RT ion dosimetry
RT ions
RT light ions

ION DOSIMETRY
BT1 dosimetry
RT ion detection

ion-drag accelerators
Use electron-ring accelerators

ION DRIFT
UF *drift (ion)*
RT ambipolar diffusion
RT ions

ION EMISSION
BT1 emission
RT field emission

ION EXCHANGE
UF *exchange (ion)*
UF+ *cation exchange capacity*
UF+ *ligand exchange*
RT demineralization
RT desalination
RT distribution functions
RT ion exchange chromatography
RT separation processes

ION EXCHANGE CHROMATOGRAPHY
*BT1 chromatography
RT distribution functions
RT ion exchange
RT ion exchange materials
RT leaching
RT resins

ION EXCHANGE MATERIALS
UF *decalso*
UF+ *ion exchange membranes*
BT1 materials
NT1 inorganic ion exchangers
NT2 bentonite
NT2 montmorillonite
NT2 mullite
NT2 vermiculite
NT2 zeolites
NT3 clinoptilolite
NT3 faujasite
NT3 heulandite
NT3 laumontite
NT3 mordenite
NT3 wairakite
NT1 liquid ion exchangers
NT1 mixed bed ion exchangers
NT1 organic ion exchangers
NT2 polystyrene-dvb
RT anions
RT cations
RT graft polymers
RT ion exchange chromatography
RT leaching
RT resins
RT silica gel

ion exchange membranes
Use ion exchange materials
AND membranes

ION IMPLANTATION
RT crystal doping
RT crystals
RT doped materials
RT inclusions
RT ion beams
RT ions
RT trace amounts

ION-ION COLLISIONS
*BT1 ion collisions

ION MICROPROBE ANALYSIS
UF+ *sims*
BT1 microanalysis
*BT1 nondestructive analysis
RT ion probes

ION MICROSCOPES
BT1 microscopes

ION MICROSCOPY
UF *field emission microscopy*
UF *field ion microscopy*
BT1 microscopy
RT field emission

ION MOBILITY
*BT1 particle mobility
RT ions

ION-MOBILITY DETECTORS
INIS: May 1980; ETDE: Mar 1980
(Ionization chambers with a corona discharge ionization source for vapor analysis.)
BT1 measuring instruments
RT drift chambers
RT gas analysis
RT ionization chambers

ION-MOLECULE COLLISIONS
UF+ *proton-molecule collisions*
*BT1 ion collisions
*BT1 molecule collisions

ION-NEUTRALIZATION SPECTROSCOPY
BT1 spectroscopy

ION PAIRS
UF *clusters (ion)*
UF *ion clusters*
RT atomic clusters
RT ions

ION PLASMA WAVES
(Dispersive ion waves)
UF *dispersive ion waves*
*BT1 ion waves

ION PROBES
BT1 probes
RT chemical analysis
RT deuteron probes
RT ion beams
RT ion microprobe analysis
RT ion sources
RT proton probes
RT secondary beams
RT secondary emission

ION PROPULSION
INIS: Feb 1976; ETDE: Apr 1976
(Vehicular motion caused by reaction from the high-speed discharge of a beam of ions.)
BT1 propulsion
RT ion thrusters

ION RINGS
INIS: Jan 2000; ETDE: Aug 1976
RT confinement
RT magnetic confinement
RT minimum-b configurations

ION SCATTERING ANALYSIS
*BT1 nondestructive analysis
RT ion beams
RT radiation scattering analysis
RT scattering

ION SELECTIVE ELECTRODE ANALYSIS
BT1 chemical analysis
RT electrodes

ION-SELECTIVE ELECTRODES
INIS: Apr 2000; ETDE: Jul 1982
BT1 electrodes

ION SOURCES
NT1 alpha sources
NT1 duoplasmatrons
NT1 ecr ion sources
NT1 electron beam ion sources
NT1 penning ion sources
NT1 triplasmatrons
RT atomic beam sources
RT ion probes
RT ions
RT neutral beam sources
RT particle sources

ION SPECTROSCOPY
UF *beam-foil spectroscopy*
UF *beam-gas spectroscopy*
BT1 spectroscopy
NT1 ion cyclotron resonance spectroscopy
RT ion beams
RT rutherford backscattering spectroscopy

ION TEMPERATURE
UF *temperature (ion)*
UF+ *plasma temperature*
RT energy
RT ions

ION THRUSTERS
INIS: Oct 1975; ETDE: Dec 1975
BT1 thrusters
RT ion propulsion
RT propulsion

RT propulsion systems
RT surface ionization

ION WAVE INSTABILITY
*BT1 plasma microinstabilities
RT bernstein mode

ION WAVES
BT1 plasma waves
NT1 ion acoustic waves
NT1 ion plasma waves
RT bernstein mode

IONIC COMPOSITION
RT chemical composition
RT ionosphere
RT ions
RT plasma

IONIC CONDUCTIVITY
*BT1 electric conductivity

IONIC CRYSTALS
BT1 crystals

ionic potential
Use valence

ionic reactions
Use chemical reactions
AND ions

ionics electrolytic regeneration process
Use desulfurization

IONIZATION
UF *discharges (ionization)*
NT1 autoionization
NT1 coulomb ionization
NT1 inner-shell ionization
NT1 internal ionization
NT1 photoionization
NT1 surface ionization
NT2 adiabatic surface ionization
RT beam neutralization
RT bragg curve
RT buildup
RT charge exchange
RT charge states
RT dissociation
RT electron attachment
RT electron detachment
RT electron loss
RT energy absorption
RT energy losses
RT fano factor
RT ionization potential
RT ionizing radiations
RT jesse effect
RT kerma
RT let
RT penning effect
RT plasma production
RT plasma seeding
RT radiation quality
RT wall effects

ionization calorimeters
Use shower counters

ionization chamber smoke detectors
Use smoke detectors

IONIZATION CHAMBERS
*BT1 radiation detectors
NT1 boron coated ion chambers
NT1 bragg gray chambers
NT1 condenser ionization chambers
NT1 extrapolation chambers
NT1 fission chambers
NT1 liquid ionization chambers
NT1 multiwire ionization chambers
RT avalanche quenching
RT campbelling circuits
RT electron-capture detectors
RT ion-mobility detectors
RT multiwire proportional chambers
RT wall effects
RT wall-less counters

IONIZATION FRONT ACCELERATORS
INIS: Dec 1991; ETDE: May 1979
(Collective effect accelerator that produces controlled motion of a potential well at the head of an intense relativistic electron beam.)
*BT1 collective accelerators

IONIZATION GAGES
*BT1 vacuum gages
NT1 bayard-alpert gages
NT1 philips gages
NT1 radioactive ionization gages

ionization loss
Use energy losses

IONIZATION POTENTIAL
RT binding energy
RT electric potential
RT electronegativity
RT ionization
RT plasma seeding

IONIZED GASES
*BT1 gases
NT1 fully ionized gases
NT2 lorentz gas
NT1 strongly ionized gases
NT1 weakly ionized gases
RT fokker-planck equation
RT plasma

IONIZING RADIATIONS
BT1 radiations
NT1 alpha particles
NT2 cosmic alpha particles
NT2 delayed alpha particles
NT2 solar alpha particles
NT1 beta particles
NT1 cosmic radiation
NT2 cosmic neutrinos
NT2 cosmic photons
NT2 cosmic protons
NT2 hard component
NT2 primary cosmic radiation
NT3 cosmic alpha particles
NT3 cosmic gamma bursts
NT3 cosmic nuclei
NT3 cosmic x-ray bursts
NT2 secondary cosmic radiation
NT3 cosmic electrons
NT3 cosmic kaons
NT3 cosmic muons
NT3 cosmic neutrons
NT3 cosmic pions
NT3 cosmic positrons
NT3 cosmic showers
NT4 extensive air showers
NT2 soft component
NT1 gamma radiation
NT2 delayed gamma radiation
NT2 prompt gamma radiation
NT1 x radiation
NT2 hard x radiation
NT2 soft x radiation
RT buildup
RT delta rays
RT dose equivalents
RT energy losses
RT environmental exposure
RT ionization
RT mutagens
RT occupational exposure
RT teratogens

IONOGRAPHIC IMAGING
INIS: Feb 1976; ETDE: Aug 1976
(A process whereby a pattern of electrical charges is formed on a foil by the accumulation of ions from a gas of high atomic number ionized by the incident radiation.)
*BT1 biomedical radiography

ionophoresis
Use electrophoresis

IONOSONDES
*BT1 radio equipment
RT measuring instruments
RT space vehicles

IONOSPHERE
UF+ *ionospheric effects*
BT1 earth atmosphere
NT1 c region
NT1 d region
NT1 e region
NT2 sporadic e
NT1 f region
NT2 f1 layer
NT2 f2 layer
NT2 spread f
RT auroral hiss
RT auroral oval
RT auroral zones
RT critical frequency
RT harang discontinuity
RT ionic composition
RT midday aurorae
RT polar cusp
RT polar-cap aurorae
RT scale height
RT sudden ionospheric disturbance
RT travelling ionospheric disturbance
RT virtual height

ionospheric effects
Use disturbances
AND ionosphere

IONOSPHERIC STORMS
INIS: Nov 1975; ETDE: Jan 1975
BT1 disturbances
NT1 sudden ionospheric disturbance
NT1 travelling ionospheric disturbance
RT f region
RT magnetic storms

IONS
(Ions in liquid and solid solutions are indexed as compounds; ions in gases by the precoordinated descriptor consisting of the element name and the word IONS; ions in beams by assigning either the specific descriptor if available, e.g. ARGON 40 BEAMS or the isotope name together with ION BEAMS.)
UF *mendelevium ions*
UF *nobelium ions*
UF+ *ionic reactions*
BT1 charged particles
NT1 actinium ions
NT1 aluminium ions
NT1 americium ions
NT1 anions
NT2 heteropolyanions
NT2 hydrogen ions 1 minus
NT1 antimony ions

NT1 argon ions
NT1 arsenic ions
NT1 astatine ions
NT1 atomic ions
NT1 barium ions
NT1 berkelium ions
NT1 beryllium ions
NT1 bismuth ions
NT1 boron ions
NT1 bromine ions
NT1 cadmium ions
NT1 calcium ions
NT1 californium ions
NT1 carbon ions
NT1 cations
NT2 hydrogen ions 1 plus
NT2 hydrogen ions 2 plus
NT2 hydrogen ions 3 plus
NT1 cerium ions
NT1 cesium ions
NT1 chlorine ions
NT1 chromium ions
NT1 cobalt ions
NT1 copper ions
NT1 curium ions
NT1 deuterium ions
NT1 dysprosium ions
NT1 einsteinium ions
NT1 erbium ions
NT1 europium ions
NT1 fermium ions
NT1 fluorine ions
NT1 francium ions
NT1 gadolinium ions
NT1 gallium ions
NT1 germanium ions
NT1 gold ions
NT1 hafnium ions
NT1 heavy ions
NT1 helium ions
NT2 helium ash
NT1 holmium ions
NT1 hydrogen ions
NT2 hydrogen ions 1 minus
NT2 hydrogen ions 1 plus
NT2 hydrogen ions 2 plus
NT2 hydrogen ions 3 plus
NT1 indium ions
NT1 iodine ions
NT1 iridium ions
NT1 iron ions
NT1 krypton ions
NT1 lanthanum ions
NT1 lead ions
NT1 light ions
NT1 lithium ions
NT1 lutetium ions
NT1 magnesium ions
NT1 manganese ions
NT1 mercury ions
NT1 molecular ions
NT2 hydrogen ions 2 plus
NT2 hydrogen ions 3 plus
NT2 oxonium ions
NT1 molybdenum ions
NT1 multicharged ions
NT1 muonic ions
NT1 neodymium ions
NT1 neon ions
NT1 neptunium ions
NT1 nickel ions
NT1 niobium ions
NT1 nitrogen ions
NT1 osmium ions
NT1 oxygen ions
NT1 palladium ions
NT1 phosphorus ions
NT1 platinum ions
NT1 plutonium ions
NT1 polonium ions
NT1 potassium ions
NT1 praseodymium ions
NT1 promethium ions
NT1 protactinium ions
NT1 radium ions
NT1 radon ions
NT1 rhenium ions
NT1 rhodium ions
NT1 rubidium ions
NT1 ruthenium ions
NT1 samarium ions
NT1 scandium ions
NT1 selenium ions
NT1 silicon ions
NT1 silver ions
NT1 sodium ions
NT1 strontium ions
NT1 sulfur ions
NT1 tail ions
NT1 tantalum ions
NT1 technetium ions
NT1 tellurium ions
NT1 terbium ions
NT1 thallium ions
NT1 thorium ions
NT1 thulium ions
NT1 tin ions
NT1 titanium ions
NT1 tritium ions
NT1 tungsten ions
NT1 uranium ions
NT1 vanadium ions
NT1 xenon ions
NT1 ytterbium ions
NT1 yttrium ions
NT1 zinc ions
NT1 zirconium ions
RT battery charge state
RT charge states
RT charged-particle reactions
RT ion beams
RT ion channeling
RT ion density
RT ion detection
RT ion drift
RT ion implantation
RT ion mobility
RT ion pairs
RT ion sources
RT ion temperature
RT ionic composition
RT translocation

ions (atomic)
Use atomic ions

ions (molecular)
Use molecular ions

IOPAMIDOL
INIS: Feb 1984; ETDE: Mar 1984
BT1 contrast media

iota-1440 resonances
Use eta-1440 mesons

IOWA
*BT1 usa
RT ames laboratory
RT mississippi river
RT missouri river

IOWA UTR-10 REACTOR
(University Test Reactor, Iowa State Univ., Ames, Iowa, USA)
UF *ames, iowa state university utr-10 reactor*
UF *utr-10 iowa state university reactor*
*BT1 graphite moderated reactors
*BT1 training reactors
*BT1 water cooled reactors

IPCR CYCLOTRON
INIS: Jun 1983; ETDE: Mar 1983
(Separated-sector cyclotron of the Institute of Physical and Chemical Research, Saitama, Japan.)
UF *institute of physical and chemical research cyclotron*
UF *riken ssc*
UF *saitama cyclotron*
*BT1 heavy ion accelerators
*BT1 isochronous cyclotrons

ipcr linac
Use rilac

IPEN-MB-1 REACTOR
INIS: Aug 1991; ETDE: Sep 1991
(Instituto de Pesquisas Energeticas e Nucleares, Sao Paulo, Brazil.)
*BT1 zero power reactors

IPNS-I SYNCHROTRON
INIS: Nov 1980; ETDE: Jul 1979
(Intense Pulsed Neutron Source; 500-MeV rapid cycling synchroton at ANL.)
BT1 neutron source facilities
*BT1 synchrotrons

IPP GARCHING
(Max-Planck-Institut fuer Plasmaphysik)
UF *garching ipp*
UF *max-planck-institut fuer plasmaphysik*
*BT1 german fr organizations

iproniazid
Use antidepressants
AND isoniazid

iqsy
Use international quiet sun year

IRAN
BT1 asia
BT1 developing countries
BT1 middle east
RT caspian sea
RT opec

IRAN-1 REACTOR
INIS: Jun 1977; ETDE: Oct 1977
*BT1 pwr type reactors

IRAN-2 REACTOR
INIS: Jun 1977; ETDE: Oct 1977
*BT1 pwr type reactors

IRANIAN ATOMIC ENERGY ORGANIZATION
INIS: Oct 1976; ETDE: Nov 1976
*BT1 iranian organizations

IRANIAN ORGANIZATIONS
INIS: Oct 1976; ETDE: Nov 1976
BT1 national organizations
NT1 iranian atomic energy organization
NT1 tehran nuclear research centre

IRAQ
BT1 arab countries
BT1 asia
BT1 developing countries
BT1 middle east
RT oapec
RT opec
RT tigris river

IRAQI ATOMIC ENERGY COMMISSION
INIS: Jun 1985; ETDE: Jul 1985
*BT1 iraqi organizations
NT1 iraqi nuclear research centre

IRAQI NUCLEAR RESEARCH CENTRE
INIS: Jun 1985; ETDE: Jul 1985
*BT1 iraqi atomic energy commission

IRAQI ORGANIZATIONS
INIS: Jun 1985; ETDE: Jul 1985
BT1 national organizations
NT1 iraqi atomic energy commission
NT2 iraqi nuclear research centre

IRELAND
BT1 developed countries
*BT1 western europe
RT oecd

IRI
(Interuniversitair Reactor Instituut, Delft, the Netherlands)
UF *interuniversitair reactor instituut*
*BT1 netherlands organizations

IRIDIUM
*BT1 platinum metals
*BT1 refractory metals

IRIDIUM 166
INIS: May 1986; ETDE: Jul 1986
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iridium isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

IRIDIUM 167
INIS: May 1986; ETDE: Jul 1986
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iridium isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

IRIDIUM 168
INIS: Nov 1978; ETDE: Dec 1978
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iridium isotopes
*BT1 odd-odd nuclei

IRIDIUM 169
INIS: Nov 1978; ETDE: Dec 1978
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iridium isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

IRIDIUM 170
INIS: Feb 1978; ETDE: Apr 1978
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iridium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

IRIDIUM 171
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iridium isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

IRIDIUM 172
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iridium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

IRIDIUM 173
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iridium isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

IRIDIUM 174
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iridium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

IRIDIUM 175
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iridium isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

IRIDIUM 176
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iridium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

IRIDIUM 177
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 iridium isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

IRIDIUM 178
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 iridium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

IRIDIUM 179
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 iridium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

IRIDIUM 180
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 iridium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

IRIDIUM 181
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 iridium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

IRIDIUM 182
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 iridium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

IRIDIUM 183
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 iridium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

IRIDIUM 184
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 iridium isotopes
*BT1 odd-odd nuclei

IRIDIUM 185
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 iridium isotopes
*BT1 odd-even nuclei

IRIDIUM 186
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 iridium isotopes
*BT1 odd-odd nuclei

IRIDIUM 187
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 iridium isotopes
*BT1 odd-even nuclei

IRIDIUM 188
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 iridium isotopes
*BT1 odd-odd nuclei

IRIDIUM 189
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 iridium isotopes
*BT1 odd-even nuclei

IRIDIUM 189 TARGET
INIS: Jan 1978; ETDE: Mar 1978
BT1 targets

IRIDIUM 190
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 iridium isotopes
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei

IRIDIUM 190 TARGET
INIS: Apr 2000; ETDE: Nov 1978
BT1 targets

IRIDIUM 191
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 iridium isotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 stable isotopes

IRIDIUM 191 TARGET
BT1 targets

IRIDIUM 192
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 iridium isotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 years living radioisotopes

IRIDIUM 193
*BT1 days living radioisotopes
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 iridium isotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 stable isotopes

IRIDIUM 193 TARGET
BT1 targets

IRIDIUM 194
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 iridium isotopes
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

IRIDIUM 194 TARGET
INIS: Jun 1987; ETDE: Jul 1987
BT1 targets

IRIDIUM 195
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 iridium isotopes
*BT1 odd-even nuclei

IRIDIUM 196
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 iridium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

IRIDIUM 197
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 iridium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

IRIDIUM 198
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 iridium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

IRIDIUM ADDITIONS
(Alloys containing not more than 1% Ir are listed here.)
*BT1 iridium alloys

IRIDIUM ALLOYS
(Alloys containing more than 1% Ir.)
*BT1 platinum metal alloys
NT1 iridium additions
NT1 iridium base alloys

IRIDIUM BASE ALLOYS
*BT1 iridium alloys

IRIDIUM BORIDES
*BT1 borides
*BT1 iridium compounds

IRIDIUM CARBIDES
INIS: Sep 1991; ETDE: Jan 1975
*BT1 carbides
*BT1 iridium compounds

IRIDIUM CHLORIDES
*BT1 chlorides
*BT1 iridium compounds

IRIDIUM COMPLEXES
*BT1 transition element complexes

IRIDIUM COMPOUNDS
BT1 refractory metal compounds
BT1 transition element compounds
NT1 iridium borides
NT1 iridium carbides
NT1 iridium chlorides
NT1 iridium fluorides
NT1 iridium hydrides
NT1 iridium oxides
NT1 iridium silicides
NT1 iridium sulfates
NT1 iridium tellurides

IRIDIUM FLUORIDES
*BT1 fluorides
*BT1 iridium compounds

IRIDIUM HYDRIDES
INIS: Nov 1979; ETDE: Jan 1975
*BT1 hydrides
*BT1 iridium compounds

IRIDIUM IONS
*BT1 ions

IRIDIUM ISOTOPES
BT1 isotopes
NT1 iridium 166
NT1 iridium 167
NT1 iridium 168
NT1 iridium 169
NT1 iridium 170
NT1 iridium 171
NT1 iridium 172
NT1 iridium 173
NT1 iridium 174
NT1 iridium 175
NT1 iridium 176
NT1 iridium 177
NT1 iridium 178
NT1 iridium 179
NT1 iridium 180
NT1 iridium 181
NT1 iridium 182
NT1 iridium 183
NT1 iridium 184
NT1 iridium 185
NT1 iridium 186
NT1 iridium 187
NT1 iridium 188
NT1 iridium 189
NT1 iridium 190
NT1 iridium 191
NT1 iridium 192
NT1 iridium 193
NT1 iridium 194
NT1 iridium 195
NT1 iridium 196
NT1 iridium 197
NT1 iridium 198

IRIDIUM OXIDES
*BT1 iridium compounds
*BT1 oxides

IRIDIUM SILICIDES
INIS: Apr 1984; ETDE: May 1984
*BT1 iridium compounds
*BT1 silicides

IRIDIUM SULFATES
INIS: Apr 2000; ETDE: Aug 1976
*BT1 iridium compounds
*BT1 sulfates

IRIDIUM TELLURIDES
INIS: Apr 2000; ETDE: Jun 1976
*BT1 iridium compounds
*BT1 tellurides

iriginite
Use oxide minerals
AND uranium minerals

IRISH SEA
INIS: May 1980; ETDE: May 1977
UF *celtic sea*
*BT1 atlantic ocean
RT united kingdom

IRL REACTOR
(Columbia University/Industrial Research Labs., Inc., USA)
UF *plainsboro irl pool type reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors

IRON
(Prior to March 1997 IRON-BETA was a valid ETDE descriptor.)
UF *iron-beta*
*BT1 transition elements
NT1 iron-alpha
NT1 iron-delta
NT1 iron-gamma
RT ferritin
RT heme
RT hemoglobin
RT hemosiderin
RT steam-iron process

IRON 45
INIS: Sep 1978; ETDE: Jul 1978
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes
*BT1 milliseconds living radioisotopes

IRON 46
INIS: Jan 1993; ETDE: Jan 1993
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes
*BT1 milliseconds living radioisotopes

IRON 47
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes

IRON 48
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes

IRON 49
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes
*BT1 milliseconds living radioisotopes

IRON 50
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes

IRON 51
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes
*BT1 milliseconds living radioisotopes

IRON 52
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 iron isotopes
*BT1 seconds living radioisotopes

IRON 53
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes

IRON 54
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes
*BT1 stable isotopes

IRON 54 REACTIONS
INIS: Aug 1984; ETDE: Sep 1984
*BT1 heavy ion reactions

IRON 54 TARGET
BT1 targets

IRON 55
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes
*BT1 years living radioisotopes

IRON 55 TARGET
BT1 targets

IRON 56
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes
*BT1 stable isotopes
RT iron 56 reactions

IRON 56 BEAMS
*BT1 ion beams

IRON 56 REACTIONS
*BT1 heavy ion reactions
RT iron 56

IRON 56 TARGET
BT1 targets

IRON 57
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes
*BT1 stable isotopes

IRON 57 TARGET
BT1 targets

IRON 58
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes
*BT1 stable isotopes

IRON 58 BEAMS
INIS: Aug 1976; ETDE: Nov 1976
*BT1 ion beams

IRON 58 REACTIONS
INIS: Aug 1976; ETDE: Nov 1976
*BT1 heavy ion reactions

IRON 58 TARGET
BT1 targets

IRON 59
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes

IRON 60
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes
*BT1 years living radioisotopes

IRON 61
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes
*BT1 minutes living radioisotopes

IRON 62
INIS: Feb 1976; ETDE: Oct 1975
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes
*BT1 minutes living radioisotopes

IRON 63
INIS: Nov 1980; ETDE: Nov 1980
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes
*BT1 seconds living radioisotopes

IRON 64
INIS: Nov 1980; ETDE: Nov 1980
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes
*BT1 seconds living radioisotopes

IRON 65
INIS: Aug 1986; ETDE: Sep 1986
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes

IRON 66
INIS: Aug 1986; ETDE: Sep 1986
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes

IRON 67
INIS: Aug 1986; ETDE: Sep 1986
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes

IRON 68
INIS: Aug 1986; ETDE: Sep 1986
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 iron isotopes

IRON ADDITIONS
(Alloys containing not more than 1% Fe are listed here.)
*BT1 iron alloys
NT1 alloy-al95cu4
NT2 duralumin
NT1 alloy-ni46cr23co19ti5al4
NT2 alloy-in-939
NT1 alloy-ni60co15cr10al6ti5mo3
NT2 alloy-in-100
NT1 alloy-ni73cr20mn3nb3
NT2 inconel 82
NT1 alloy-ni80cr20
NT1 alloy-ti88mo8al3
NT1 alloy-ti90al6mo3
NT1 alloy-ti90al6v4
NT1 alloy-ti91al4mo3
NT1 alloy-ti91al5cr2
NT1 alloy-zr98sn-2
NT2 zircaloy 2
NT1 alloy-zr98sn-4
NT2 zircaloy 4
NT1 aludur
NT1 duranickel
NT1 rene 95
NT1 zamak

IRON-AIR BATTERIES
INIS: Apr 2000; ETDE: Jun 1976
*BT1 metal-gas batteries

IRON ALLOYS
(Alloys containing more than 1% Fe.)
UF+ *alloy-co52fe35v13*
UF+ *alloy-ehp-496*
UF+ *refractaloy*
UF+ *vikalloy 1*
UF+ *vikalloy 2*
*BT1 transition element alloys
NT1 alloy-co36cr22ni22w15fe3
NT2 haynes 188 alloy
NT1 alloy-co43cr20fe18ni13w3
NT2 havar
NT1 alloy-co52fe35v10
NT1 alloy-co54cr20w15ni10
NT2 alloy-hs-25
NT2 haynes 25 alloy
NT1 alloy-co60cr30w4
NT2 stellite 6
NT1 alloy-hs-31
NT1 alloy-in-102
NT1 alloy-khn50mbvyu
NT1 alloy-mo-re-1
NT1 alloy-ni41fe40cr16nb3
NT2 inconel 706
NT1 alloy-ni43fe30cr22mo3
NT2 incoloy 825
NT1 alloy-ni43fe33cr16mo3
NT2 nimonic pe16
NT1 alloy-ni45fe34cr20
NT1 alloy-ni49cr22fe18mo9
NT2 hastelloy x
NT1 alloy-ni50co20cr15al5mo5
NT2 nimonic 105
NT1 alloy-ni50cr22fe18mo9
NT2 hastelloy xr
NT1 alloy-ni53cr19fe19nb5mo3
NT2 inconel 718
NT1 alloy-ni54mo17cr16fe6w4
NT2 hastelloy c
NT1 alloy-ni58cr20co14mo4ti3

NT7 steel-cr17ni12monb
NT7 steel-cr17ni13mo2ti
NT7 steel-cr17ni13mo3ti
NT7 steel-ni26cr15ti2movalb
NT8 alloy-a-286
NT6 durco
NT6 enduro
NT6 stainless steel-17-7ph
NT6 stainless steel-303
NT6 stainless steel-329
NT6 stainless steel-ph-15-7-mo
NT6 steel-cr17ni13
NT6 steel-cr17ni7
NT7 stainless steel-301
NT6 steel-cr18ni10
NT7 stainless steel-18-10
NT6 steel-cr18ni10-l
NT6 steel-cr18ni10ti
NT7 stainless steel-321
NT6 steel-cr18ni11
NT7 steel-x6crni1811
NT6 steel-cr18ni11nb
NT7 stainless steel-347
NT6 steel-cr18ni11nbco
NT7 stainless steel-348
NT6 steel-cr18ni12
NT7 stainless steel-305
NT6 steel-cr18ni12ti
NT6 steel-cr18ni8
NT7 stainless steel-18-8
NT6 steel-cr18ni9
NT7 stainless steel-302
NT6 steel-cr18ni9ti
NT6 steel-cr19ni10
NT7 stainless steel-304
NT6 steel-cr19ni10-l
NT7 stainless steel-304l
NT6 steel-cr20ni11
NT7 stainless steel-308
NT6 steel-cr20ni11-l
NT7 stainless steel-308l
NT6 steel-cr23ni14
NT7 stainless steel-309
NT7 stainless steel-309s
NT6 steel-cr23ni18
NT6 steel-cr25ni20
NT7 alloy-hk-40
NT7 stainless steel-310
NT6 steel-ni25cr20
NT7 stainless steel-20-25
NT6 steel-ni36cr12ti3al-l
NT6 timken alloys
NT5 low carbon-high alloy steels
NT6 steel-cr11ni10mo2ti-l
NT6 steel-cr17cu4ni4nb-l
NT7 stainless steel-17-4ph
NT6 steel-cr17ni12mo3-l
NT7 stainless steel-316l
NT7 stainless steel-zcnd17-13
NT6 steel-cr18ni10-l
NT6 steel-cr19ni10-l
NT7 stainless steel-304l
NT6 steel-cr20ni11-l
NT7 stainless steel-308l
NT6 steel-ni36cr12ti3al-l
NT5 stainless steel m-50
NT5 stainless steel-317
NT5 stainless steel-318
NT5 stainless steel-422
NT5 stainless steel-fv-548
NT5 stainless steel-jbk-75
NT5 steel-cr21mn9ni6
NT6 stainless steel-21-6-9
NT5 sweetalloy
NT3 low alloy steels
NT4 steel-astm-a350
NT4 steel-astm-a387
NT4 steel-astm-a508
NT4 steel-astm-a533
NT4 steel-cr2mo
NT5 steel-astm-a542
NT4 steel-cr2moninb
NT4 steel-cr2mov
NT4 steel-cr2nimov
NT4 steel-cr5mo
NT4 steel-cralnimo
NT4 steel-crmo
NT4 steel-crmov
NT4 steel-crni
NT4 steel-mncumo
NT5 steel-astm-a537
NT4 steel-mnmo
NT5 steel-astm-a302
NT4 steel-mnnimo
NT5 steel-astm-a533-b
NT4 steel-mnnimov
NT4 steel-ni3cr
NT4 steel-ni3crmo
NT5 steel-astm-a543
NT4 steel-ni3crmov
NT4 steel-ni4crw
NT4 steel-nicr
NT4 steel-nicrmo
NT4 steel-nimocr
NT3 manganese steels
NT3 martensitic steels
NT4 maraging steels
NT4 steel-cr10mo2
NT4 steel-cr12
NT5 stainless steel-403
NT4 steel-cr12mov
NT5 alloy-ht-9
NT4 steel-cr13
NT5 stainless steel-410
NT4 steel-cr16ni
NT4 steel-cr17cu4ni4nb-l
NT5 stainless steel-17-4ph
NT4 steel-cr17mo
NT5 stainless steel-440
NT4 steel-cr18
NT3 nickel steels
NT4 sweetalloy
NT3 steel-astm-a572
NT1 konel
NT1 lynite
NT1 martensite
NT1 misco metal
NT1 ni-hard
NT1 orthonol
NT1 permalloy
NT1 rene 41
NT1 supertherm
NT1 tribaloy 400
NT1 tribaloy 800

IRON-ALPHA

*BT1 iron
RT ferrite
RT martensite

IRON ARSENIDES

INIS: Sep 1992; ETDE: Sep 1978
*BT1 arsenides
*BT1 iron compounds

IRON BASE ALLOYS

(Most of the UF terms below have been valid ETDE descriptors.)
UF *alloy-fe31cr21co20ni20mo3w2*
UF *alloy-fe36ni33cr26*
UF *alloy-hd-556*
UF *alloy-ma-956*
UF *alloy-n-155*
UF *hd-556*
UF *ma 956*
UF *manaurite 36x*
UF *tikonal*
UF+ *alloy-fe48cr24ni24*
UF+ *alloy-in-519*
UF+ *in 519*
UF+ *manaurite 900*
UF+ *rezistal*
UF+ *sichromal alloys*
SF *alloy-0kh12n13m*
*BT1 iron alloys
NT1 alloy-co50fe50
NT2 permendur
NT1 alloy-fe40ni35cr22
NT1 alloy-fe44ni33cr21
NT2 incoloy 800h
NT1 alloy-fe46ni33cr21
NT2 incoloy 800
NT2 incoloy 802
NT1 alloy-fe53ni29co18
NT2 kovar
NT1 alnico alloys
NT1 ascoloy
NT1 cast iron
NT1 discaloy
NT1 duriron
NT1 ge 2541
NT1 hiperco
NT1 hoskins 875
NT1 invar
NT1 kanthal
NT1 sicromo 9m
NT1 steel-cd-4mcu
NT1 steels
NT2 austenitic steels
NT3 steel-cr15ni15motib
NT3 steel-cr16ni13monbv
NT3 steel-cr16ni15mo3nb
NT3 steel-cr16ni16monb
NT3 steel-cr16ni8mo2
NT4 stainless steel-16-8-2
NT3 steel-cr17ni12mo3
NT4 stainless steel-316
NT3 steel-cr17ni12mo3-l
NT4 stainless steel-316l
NT4 stainless steel-zcnd17-13
NT3 steel-cr17ni12monb
NT3 steel-cr17ni13
NT3 steel-cr17ni13mo2ti
NT3 steel-cr17ni13mo3ti
NT3 steel-cr17ni7
NT4 stainless steel-301
NT3 steel-cr18ni10
NT4 stainless steel-18-10
NT3 steel-cr18ni10-l
NT3 steel-cr18ni10ti
NT4 stainless steel-321
NT3 steel-cr18ni11
NT4 steel-x6crni1811
NT3 steel-cr18ni11nb
NT4 stainless steel-347
NT3 steel-cr18ni11nbco
NT4 stainless steel-348
NT3 steel-cr18ni12
NT4 stainless steel-305
NT3 steel-cr18ni12ti
NT3 steel-cr18ni8
NT4 stainless steel-18-8
NT3 steel-cr18ni9
NT4 stainless steel-302
NT3 steel-cr18ni9ti
NT3 steel-cr19ni10
NT4 stainless steel-304
NT3 steel-cr19ni10-l
NT4 stainless steel-304l
NT3 steel-cr20ni11
NT4 stainless steel-308
NT3 steel-cr20ni11-l
NT4 stainless steel-308l
NT3 steel-cr21mn9ni6
NT4 stainless steel-21-6-9
NT3 steel-cr23ni14
NT4 stainless steel-309

iron-beta

Use iron

IRON BORIDES

*BT1 iron compounds

IRON BROMIDES
*BT1 bromides
*BT1 iron compounds

IRON CARBIDES
*BT1 carbides
*BT1 iron compounds
NT1 cementite
NT1 ni-hard
RT cast iron

IRON CARBONATES
*BT1 carbonates
*BT1 iron compounds
RT ankerite
RT carbonate minerals
RT siderite

IRON CHLORIDES
*BT1 chlorides
*BT1 iron compounds

IRON COMPLEXES
*BT1 transition element complexes
NT1 ferricyanides
NT1 ferritin
NT1 ferrocene
NT1 ferrocyanides
RT ferroin
RT lactoferrin
RT rubredoxin

IRON COMPOUNDS
UF *ferric compounds*
UF *ferrous compounds*
SF *gadolinite*
BT1 transition element compounds
NT1 ferrates
NT1 ferrites
NT1 iron arsenides
NT1 iron borides
NT1 iron bromides
NT1 iron carbides
NT2 cementite
NT2 ni-hard
NT1 iron carbonates
NT1 iron chlorides
NT1 iron fluorides
NT1 iron hydrides
NT1 iron hydroxides
NT1 iron iodides
NT1 iron nitrates
NT1 iron nitrides
NT1 iron oxides
NT1 iron perchlorates
NT1 iron phosphates
NT1 iron phosphides
NT1 iron selenides
NT1 iron silicates
NT1 iron silicides
NT1 iron sulfates
NT1 iron sulfides
NT1 iron tellurides
NT1 iron tungstates

IRON-DELTA
*BT1 iron

IRON FLUORIDES
*BT1 fluorides
*BT1 iron compounds

iron-free spectrometers
Use flat magnetic spectrometers

IRON-GAMMA
*BT1 iron
RT austenite

iron garnets
Use ferrite garnets

IRON HYDRIDES
*BT1 hydrides
*BT1 iron compounds

IRON HYDROXIDES
*BT1 hydroxides
*BT1 iron compounds

IRON IODIDES
*BT1 iodides
*BT1 iron compounds

IRON IONS
*BT1 ions

IRON ISOTOPES
BT1 isotopes
NT1 iron 45
NT1 iron 46
NT1 iron 47
NT1 iron 48
NT1 iron 49
NT1 iron 50
NT1 iron 51
NT1 iron 52
NT1 iron 53
NT1 iron 54
NT1 iron 55
NT1 iron 56
NT1 iron 57
NT1 iron 58
NT1 iron 59
NT1 iron 60
NT1 iron 61
NT1 iron 62
NT1 iron 63
NT1 iron 64
NT1 iron 65
NT1 iron 66
NT1 iron 67
NT1 iron 68

IRON METEORITES
BT1 meteorites
RT troilite

IRON-NICKEL BATTERIES
INIS: Apr 2000; ETDE: Jan 1975
UF *nickel-iron batteries*
*BT1 metal-metal oxide batteries

IRON NITRATES
*BT1 iron compounds
*BT1 nitrates

IRON NITRIDES
*BT1 iron compounds
*BT1 nitrides

IRON ORES
BT1 ores
NT1 hematite
NT1 limonite
NT1 magnetite
NT1 siderite
RT pyrite

IRON OXIDES
*BT1 iron compounds
*BT1 oxides
RT ferrates
RT ferrites
RT goethite
RT hematite
RT ilmenite
RT kahlerite
RT limonite
RT magnetite
RT oxide minerals
RT shales
RT tantalite
RT tapiolite
RT wolframite

IRON PERCHLORATES
INIS: Oct 1983; ETDE: Nov 1983
*BT1 iron compounds
*BT1 perchlorates

IRON PHOSPHATES
*BT1 iron compounds
*BT1 phosphates

IRON PHOSPHIDES
INIS: Nov 1976; ETDE: Oct 1975
*BT1 iron compounds
*BT1 phosphides

IRON SELENIDES
INIS: Nov 1976; ETDE: Dec 1976
*BT1 iron compounds
*BT1 selenides

IRON SILICATES
*BT1 iron compounds
*BT1 silicates
RT epidotes
RT garnets
RT helvite
RT ilvaite
RT olivine
RT silicate minerals
RT vermiculite

IRON SILICIDES
INIS: Jan 1977; ETDE: Aug 1976
*BT1 iron compounds
*BT1 silicides

IRON SULFATES
*BT1 iron compounds
*BT1 sulfates

IRON SULFIDES
*BT1 iron compounds
*BT1 sulfides
RT chalcopyrite
RT marcasite
RT pyrite
RT pyrrhotite
RT sulfide minerals

IRON TELLURIDES
INIS: Jul 1984; ETDE: Sep 1978
*BT1 iron compounds
*BT1 tellurides

IRON TUNGSTATES
INIS: Sep 1977; ETDE: Jun 1977
*BT1 iron compounds
*BT1 tungstates

IRPA
(International Radiation Protection Association)
UF *international radiation protection association*
BT1 international organizations

IRR-1 REACTOR
(Nahal Sorero, Israel)
UF *israeli research reactor-1*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors

IRR-2 REACTOR

(Dimona, Israel)
UF *israeli research reactor-2*
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 research reactors
*BT1 tank type reactors

irradiated fuel elements

Use spent fuel elements

irradiated fuels

Use spent fuels

IRRADIATION

UF+ *accidental irradiation*
UF+ *food irradiation*
NT1 acute irradiation
NT1 chronic irradiation
NT1 external irradiation
NT2 extracorporeal irradiation
NT2 partial body irradiation
NT2 whole-body irradiation
NT1 fractionated irradiation
NT1 internal irradiation
NT1 lethal irradiation
NT1 local irradiation
NT1 low dose irradiation
NT1 nonuniform irradiation
NT1 perinatal irradiation
NT1 prenatal irradiation
NT1 pulsed irradiation
NT1 radicidation
NT1 radiodisinfestation
NT1 radiopreservation
NT2 radurization
NT1 radiosterilization
NT2 radappertization
NT1 self-irradiation
NT1 sublethal irradiation
NT1 supralethal irradiation
RT damaging neutron fluence
RT equivalent fission fluence
RT irradiation devices
RT irradiation procedures
RT neutronic damage functions
RT plant breeding
RT radiation dose distributions
RT radiation doses
RT radiation effects
RT radiation hazards
RT radiation sources
RT radiations
RT radioimmunology
RT radiotherapy

IRRADIATION CAPSULES

UF *capsules (irradiation)*
RT experimental channels
RT in pile loops
RT radiation source implants

irradiation channels

Use experimental channels

IRRADIATION DEVICES

UF *irradiation rigs*
RT external irradiation
RT irradiation
RT irradiation plants
RT irradiation procedures
RT pigmi facilities
RT radiation sources

IRRADIATION PLANTS

BT1 nuclear facilities
NT1 isomed
RT external irradiation
RT irradiation devices
RT irradiation procedures
RT radiation sources

IRRADIATION PROCEDURES

RT afterloading
RT external irradiation
RT ifip
RT irradiation
RT irradiation devices
RT irradiation plants
RT spatial dose distributions
RT temporal dose distributions

IRRADIATION REACTORS

(For isotope production and irradiation purposes; for producing fissile materials see PRODUCTION REACTORS.)
BT1 reactors
NT1 chemonuclear reactors
NT1 isotope production reactors
NT2 afrri reactor
NT2 ai-l-77 reactor
NT2 alrr reactor
NT2 apsara reactor
NT2 astra reactor
NT2 atpr reactor
NT2 bepo reactor
NT2 ber-2 reactor
NT2 bgrr reactor
NT2 brr reactor
NT2 byu l-77 reactor
NT2 celestin reactor
NT2 cesnef reactor
NT2 cirus reactor
NT2 consort-2 reactor
NT2 cp-5 reactor
NT2 dhruva reactor
NT2 dido reactor
NT2 dmtr reactor
NT2 dow triga-mk-1 reactor
NT2 dr-2 reactor
NT2 dr-3 reactor
NT2 el-1 reactor
NT2 el-2 reactor
NT2 el-3 reactor
NT2 etr reactor
NT2 ewa reactor
NT2 fir-1 reactor
NT2 fnr reactor
NT2 fr-2 reactor
NT2 frf reactor
NT2 frg-2 reactor
NT2 frj-2 reactor
NT2 getr reactor
NT2 gtrr reactor
NT2 gulf triga-mk-3 reactor
NT2 hanaro reactor
NT2 hfir reactor
NT2 hifar reactor
NT2 htr reactor
NT2 hwrr reactor
NT2 ian-r1 reactor
NT2 irt reactor
NT2 irt-c reactor
NT2 irt-f reactor
NT2 irt-sofia reactor
NT2 ispra-1 reactor
NT2 jeep-2 reactor
NT2 jrr-1 reactor
NT2 jrr-3 reactor
NT2 jrr-3m reactor
NT2 kuhfr reactor
NT2 lptr reactor
NT2 maria reactor
NT2 melusine-1 reactor
NT2 mnr reactor
NT2 mrr reactor
NT2 nru reactor
NT2 nrx reactor
NT2 ostr reactor
NT2 pulstar-buffalo reactor
NT2 r-1 reactor
NT2 r-a reactor
NT2 r2-0 reactor
NT2 rtp reactor
NT2 rts-1 reactor
NT2 siloe reactor
NT2 slowpoke type reactors
NT3 slowpoke-alberta reactor
NT3 slowpoke-dalhousie reactor
NT3 slowpoke-montreal reactor
NT3 slowpoke-ottawa reactor
NT3 slowpoke-toronto reactor
NT3 slowpoke-wnre reactor
NT2 taiwan research reactor
NT2 thetis reactor
NT2 thor reactor
NT2 tr-1 reactor
NT2 trico reactor
NT2 triga-1-california reactor
NT2 triga-1-hanover reactor
NT2 triga-1-michigan reactor
NT2 triga-2 reactor
NT2 triga-2-bandung reactor
NT2 triga-2-bangladesh reactor
NT2 triga-2-dalat reactor
NT2 triga-2-illinois reactor
NT2 triga-2-kansas reactor
NT2 triga-2-ljubljana reactor
NT2 triga-2-mainz reactor
NT2 triga-2-musashi reactor
NT2 triga-2-pavia reactor
NT2 triga-2-pitesti reactor
NT2 triga-2-rikkyo reactor
NT2 triga-2-rome reactor
NT2 triga-2-seoul reactor
NT2 triga-2-vienna reactor
NT2 triga-3-munich reactor
NT2 triga-3-salazar reactor
NT2 triga-3-seoul reactor
NT2 triga-brazil reactor
NT2 triga-texas reactor
NT2 triga-veterans reactor
NT2 tz1 reactor
NT2 ucbrr reactor
NT2 uftr reactor
NT2 uknr reactor
NT2 uvar reactor
NT2 uwnr reactor
NT2 wtr reactor
NT2 wwr-2 reactor
NT2 wwr-m-kiev reactor
NT2 wwr-m-leningrad reactor
NT2 wwr-s-budapest reactor
NT2 wwr-s-moscow reactor
NT2 wwr-sm rossendorf reactor
NT2 x-10 reactor
NT1 materials processing reactors
NT1 materials testing reactors
NT2 atr reactor
NT2 br-2 reactor
NT2 cp-2 reactor
NT2 dido reactor
NT2 dmtr reactor
NT2 dr-3 reactor
NT2 el-3 reactor
NT2 ewg-1 reactor
NT2 frg-2 reactor
NT2 frj-2 reactor
NT2 ga siwabessy reactor
NT2 gleep reactor
NT2 hanaro reactor
NT2 hector reactor
NT2 hfetr reactor
NT2 hfr reactor
NT2 hifar reactor
NT2 hwctr reactor
NT2 hwrr reactor
NT2 igr reactor

NT2 jmtr reactor
NT2 jrr-3 reactor
NT2 jrr-3m reactor
NT2 kstr reactor
NT2 lpr reactor
NT2 merlin reactor
NT2 mtr reactor
NT2 nbsr reactor
NT2 nrx reactor
NT2 osiris reactor
NT2 pbr reactor
NT2 pluto reactor
NT2 r-2 reactor
NT2 rv-1 reactor
NT2 sm-2 reactor
NT2 taiwan research reactor
NT2 triga-1-hanford reactor
NT2 wr-1 reactor
NT2 wwr-m-kiev reactor
NT2 wwr-m-leningrad reactor
NT2 zephyr reactor
NT1 tritium production reactors
NT2 celestin reactor

irradiation rigs

Use irradiation devices

IRREDUCIBLE REPRESENTATIONS

UF *representations (irreducible)*
RT group theory
RT nonunitary representations
RT symmetry groups

IRREVERSIBLE PROCESSES

RT onsager relations
RT prigogine theorem
RT thermodynamics

IRRIGATION

RT agriculture
RT cultivation techniques
RT drought resistance
RT fresh water
RT radionuclide migration
RT soil conservation
RT soils
RT surface waters
RT water use

IRT-2000 DJAKARTA REACTOR

UF *djakarta irt-2000 reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors

IRT-2000 MOSCOW REACTOR

UF *mifi irt-2000 reactor*
UF *moscow irt-2000 reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors

irt-2000 sofia reactor

Use irt-sofia reactor

irt-5000 baghdad reactor

Use irt-baghdad reactor

IRT-BAGHDAD REACTOR

(Prior to June 1985 WWR-S-BAGHDAD REACTOR was used.)
UF *baghdad wwr-s reactor*
UF *irt-5000 baghdad reactor*
UF *wwr-c-baghdad reactor*
UF *wwr-s-baghdad reactor*
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 wwr type reactors

IRT-C REACTOR

INIS: Apr 2000; ETDE: Dec 1974
UF *soviet research reactor irt-c*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

IRT-F REACTOR

INIS: Apr 2000; ETDE: Dec 1974
UF *soviet research reactor irt-f*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

IRT-M REACTOR

INIS: Apr 2000; ETDE: Jan 1975
*BT1 research reactors

IRT REACTOR

(Moscow, Russian Federation)
UF *soviet research reactor irt*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

IRT-SOFIA REACTOR

(Institute for Nuclear Research and Nuclear Power, Sofia, Bulgaria)
UF *bulgarian research reactor irt-2000*
UF *irt-2000 sofia reactor*
UF *sofia irt-2000 reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

irvine triga-mk-1 reactor

Use triga-1-california reactor

irvine triga reactor

Use triga-1-california reactor

isabelle

Use isabelle storage rings

ISABELLE STORAGE RINGS

UF *brookhaven intersecting storage accelerators*
UF *cba (brookhaven colliding beam accelerator)*
UF *intersecting storage accelerator*
UF *isabelle*
BT1 storage rings
RT brookhaven rhic

ISAR-2 REACTOR

INIS: Oct 1982; ETDE: Oct 1982
UF *kernkraftwerk isar-2*
UF *kki isar-2*
*BT1 pwr type reactors

ISAR DEVICES

*BT1 linear theta pinch devices

ISAR REACTOR

UF *kernkraftwerk isar*
UF *kki isar*
*BT1 bwr type reactors

ISCHEMIA

*BT1 anemias
*BT1 cardiovascular diseases
*BT1 vascular diseases
RT anoxia
RT blood circulation
RT blood vessels
RT myocardial infarction
RT necrosis

ISENTROPIC PROCESSES

(Accomplished at constant value of the entropy.)
UF *processes (isentropic)*
RT adiabatic processes
RT entropy
RT isothermal processes
RT thermodynamics

ISING MODEL

*BT1 crystal models
RT order-disorder transformations
RT phi4-field theory
RT two-dimensional calculations

ISIS REACTOR

(CEA/CEN de Saclay, Gif-sur-Yvette, France)
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

islamabad reactor pakistan

Use parr reactor

ISLANDS

NT1 aleutian islands
NT2 amchitka island area
NT1 american samoa
NT1 azores islands
NT1 bahrain
NT1 bermuda
NT1 canary islands
NT1 cape verde islands
NT1 cyprus
NT1 faeroe islands
NT1 fiji
NT1 greenland
NT1 hawaii
NT1 iceland
NT1 indonesia
NT1 kurile islands
NT1 madagascar
NT2 malagasy republic
NT1 malta
NT1 mauritius
NT1 micronesia
NT2 kiribati
NT2 marshall islands
NT3 bikini
NT3 eniwetok
NT2 nauru
NT2 tuvalu
NT1 new guinea
NT2 papua new guinea
NT1 new hebrides islands
NT1 new zealand
NT1 newfoundland
NT1 novaya zemlya
NT1 okinawa
NT1 philippines
NT1 prince edward island
NT1 singapore
NT1 sri lanka
NT1 taiwan
NT1 tasmania
NT1 trust territory of the pacific islands
NT2 mariana islands
NT3 guam
NT1 west indies

NT2 bahama islands
NT2 greater antilles
NT3 cuba
NT3 hispaniola
NT4 dominican republic
NT4 haiti
NT3 jamaica
NT3 puerto rico
NT2 lesser antilles
NT3 antigua and barbuda
NT3 barbados
NT3 grenada
NT3 martinique
NT3 netherlands antilles
NT3 saint kitts and nevis
NT3 trinidad and tobago
NT3 virgin islands
NT2 saint lucia
NT2 saint vincent and the grenadines
RT oceania
RT seas
RT terrestrial ecosystems

ISO
UF *international standard organization*
BT1 international organizations
RT recommendations
RT regulations
RT standardized terminology
RT standards document

ISOALLOXAZINES
UF *flavins*
*BT1 heterocyclic compounds
*BT1 organic nitrogen compounds
*BT1 organic oxygen compounds
NT1 diaphorase
RT coenzymes

isoamyl acetate
Use acetic acid esters

isoamylase
Use amylase
AND isoenzymes

ISOBAR MODEL
UF *isobaric model*
*BT1 particle models

ISOBARIC ANALOGS
UF *analog states*
UF+ *analog resonances (isobaric)*
BT1 energy levels
RT isobaric nuclei
RT nolen-schiffer anomaly

isobaric model
Use isobar model

ISOBARIC NUCLEI
(Nuclei having identical mass number.)
BT1 nuclei
RT isobaric analogs
RT mirror nuclei

isobaric spin
Use isospin

isobars (nucleon)
Use n*baryons

isobutane
Use 2-methylpropane

isobutyl alcohol
Use 2-methylpropanol

ISOBUTYL RADICALS
*BT1 alkyl radicals

isobutylene
Use 2-methylpropene

ISOBUTYRIC ACID
*BT1 monocarboxylic acids

ISOCHRONOUS CYCLOTRONS
(APACHE, CHICAGO CYCLOTRON, and CRACOW C-48 CYCLOTRON have been valid ETDE descriptors.)
UF *apache*
UF *chicago cyclotron*
UF *cracow c-48 cyclotron*
UF *sector cyclotron*
*BT1 cyclotrons
NT1 aabo cyclotron
NT1 alice cyclotron
NT1 brookhaven cyclotron
NT1 cracow aic-144 cyclotron
NT1 crnl superconducting cyclotron
NT1 cyclone cyclotron
NT1 debrecen cyclotron
NT1 eindhoven cyclotron
NT1 ganil cyclotron
NT1 grenoble cyclotron
NT1 haizy cyclotron
NT1 hirfl cyclotron
NT1 inr cyclotron
NT1 ipcr cyclotron
NT1 iu cyclotron
NT1 jinr cyclotrons
NT2 jinr u-400 cyclotron
NT1 julic cyclotron
NT1 karlsruhe cyclotron
NT1 kazakhstan cyclotron
NT1 kiev cyclotron
NT1 kvi cyclotron
NT1 milan superconducting cyclotron
NT1 msu cyclotrons
NT1 munich compact cyclotron
NT1 munich suse cyclotron
NT1 nac cyclotron
NT1 nirs cyclotron
NT1 nrl cyclotron
NT1 ornl isochronous cyclotron
NT1 orsay cyclotron
NT1 oslo cyclotron
NT1 princeton cyclotron
NT1 rcnp cyclotron
NT1 sara cyclotron
NT1 sin cyclotron
NT1 texas a and m cyclotron
NT1 texas superconducting cyclotron
NT1 tohoku cyclotron
NT1 tokyo ins cyclotron
NT1 triumf cyclotron
NT1 uclrl cyclotrons
NT2 lbl 88-inch cyclotron
NT1 warsaw cyclotron
RT vicksi accelerator

ISOCYANATES
(Until January 1995 this concept was indexed to CYANATES. Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
UF *isocyanic acid*
*BT1 carbonic acid derivatives
BT1 nitrogen compounds
RT cyanates
RT oxygen compounds

isocyanic acid
Use isocyanates

ISOCYANIC ACID ESTERS
INIS: Apr 2000; ETDE: Jan 1975
*BT1 esters

ISODOSE CURVES
RT depth dose distributions
RT nonuniform irradiation
RT phantoms
RT radiation dose distributions
RT radiotherapy
RT spatial dose distributions

ISOELECTRONIC ATOMS
BT1 atoms
RT electronic structure

ISOENZYMES
UF+ *isoamylase*
BT1 organic compounds
RT enzymes

isolated locations
Use remote areas

ISOLATION CONDENSERS
INIS: Aug 1994; ETDE: Jan 1975
*BT1 steam condensers
RT heat exchangers
RT reactor cooling systems

ISOMED
INIS: Nov 1975; ETDE: Dec 1975
(Radiation Plant for Sterilization of Medical Products)
*BT1 irradiation plants
RT medical supplies
RT radiosterilization
RT surgical materials

ISOMER RATIO
INIS: May 1986; ETDE: Nov 1985
(Ratio of cross sections for populating excited and ground states of the same nuclide in a nuclear reaction.)
RT isomeric nuclei

ISOMER SHIFT
(Property shift between the isomeric and the ground states of a nucleus.)
RT isomeric nuclei

ISOMERASES
(Code number 5.)
*BT1 enzymes
RT isomerization
RT isomers
RT racemization

ISOMERIC NUCLEI
BT1 nuclei
RT fission isomers
RT isomer ratio
RT isomer shift
RT isomeric transition isotopes
RT isomeric transitions

ISOMERIC TRANSITION ISOTOPES
*BT1 radioisotopes
NT1 actinium 222
NT1 aluminium 24
NT1 americium 242
NT1 antimony 113
NT1 antimony 117
NT1 antimony 122
NT1 antimony 124
NT1 antimony 126
NT1 antimony 131
NT1 arsenic 75
NT1 astatine 202
NT1 barium 127
NT1 barium 131
NT1 barium 133
NT1 barium 135

NT1 barium 136
NT1 barium 137
NT1 barium 138
NT1 bismuth 198
NT1 bismuth 201
NT1 bismuth 208
NT1 bismuth 211
NT1 bromine 76
NT1 bromine 77
NT1 bromine 79
NT1 bromine 80
NT1 bromine 82
NT1 bromine 83
NT1 cadmium 100
NT1 cadmium 111
NT1 cadmium 113
NT1 cerium 135
NT1 cerium 137
NT1 cerium 138
NT1 cerium 139
NT1 cesium 121
NT1 cesium 123
NT1 cesium 134
NT1 cesium 135
NT1 cesium 136
NT1 cesium 138
NT1 chlorine 34
NT1 chlorine 38
NT1 cobalt 58
NT1 cobalt 60
NT1 copper 68
NT1 dysprosium 147
NT1 dysprosium 149
NT1 dysprosium 165
NT1 erbium 151
NT1 erbium 167
NT1 europium 141
NT1 europium 152
NT1 europium 154
NT1 fermium 250
NT1 fermium 256
NT1 fluorine 18
NT1 francium 206
NT1 francium 211
NT1 francium 212
NT1 francium 213
NT1 francium 218
NT1 gadolinium 141
NT1 gadolinium 145
NT1 gadolinium 147
NT1 gadolinium 148
NT1 gallium 72
NT1 gallium 74
NT1 germanium 71
NT1 germanium 73
NT1 germanium 75
NT1 germanium 77
NT1 gold 191
NT1 gold 193
NT1 gold 195
NT1 gold 196
NT1 gold 197
NT1 gold 198
NT1 gold 200
NT1 hafnium 156
NT1 hafnium 177
NT1 hafnium 178
NT1 hafnium 179
NT1 hafnium 180
NT1 hafnium 182
NT1 holmium 148
NT1 holmium 156
NT1 holmium 158
NT1 holmium 159
NT1 holmium 160
NT1 holmium 161
NT1 holmium 162
NT1 holmium 163
NT1 holmium 164
NT1 holmium 168
NT1 indium 104
NT1 indium 107
NT1 indium 109
NT1 indium 111
NT1 indium 112
NT1 indium 113
NT1 indium 114
NT1 indium 115
NT1 indium 116
NT1 indium 117
NT1 indium 118
NT1 indium 119
NT1 indium 121
NT1 iodine 116
NT1 iodine 121
NT1 iodine 122
NT1 iodine 130
NT1 iodine 132
NT1 iodine 133
NT1 iodine 134
NT1 iridium 190
NT1 iridium 191
NT1 iridium 192
NT1 iridium 193
NT1 iridium 194
NT1 iron 53
NT1 krypton 79
NT1 krypton 81
NT1 krypton 83
NT1 krypton 84
NT1 krypton 85
NT1 krypton 86
NT1 lanthanum 132
NT1 lead 194
NT1 lead 197
NT1 lead 199
NT1 lead 200
NT1 lead 201
NT1 lead 202
NT1 lead 203
NT1 lead 204
NT1 lead 205
NT1 lead 207
NT1 lutetium 153
NT1 lutetium 154
NT1 lutetium 161
NT1 lutetium 169
NT1 lutetium 170
NT1 lutetium 171
NT1 lutetium 172
NT1 lutetium 174
NT1 lutetium 177
NT1 manganese 60
NT1 mercury 193
NT1 mercury 195
NT1 mercury 197
NT1 mercury 199
NT1 mercury 201
NT1 molybdenum 89
NT1 molybdenum 91
NT1 molybdenum 92
NT1 molybdenum 93
NT1 molybdenum 94
NT1 neodymium 137
NT1 neodymium 139
NT1 neodymium 141
NT1 neptunium 237
NT1 niobium 86
NT1 niobium 90
NT1 niobium 91
NT1 niobium 93
NT1 niobium 94
NT1 niobium 95
NT1 niobium 97
NT1 nobelium 254
NT1 osmium 182
NT1 osmium 183
NT1 osmium 189
NT1 osmium 190
NT1 osmium 191
NT1 osmium 192
NT1 palladium 107
NT1 palladium 109
NT1 palladium 111
NT1 palladium 117
NT1 platinum 184
NT1 platinum 193
NT1 platinum 195
NT1 platinum 197
NT1 platinum 199
NT1 plutonium 237
NT1 polonium 201
NT1 polonium 203
NT1 polonium 207
NT1 polonium 210
NT1 potassium 40
NT1 praseodymium 142
NT1 praseodymium 144
NT1 promethium 148
NT1 protactinium 234
NT1 radium 213
NT1 radon 197
NT1 radon 210
NT1 radon 211
NT1 rhenium 167
NT1 rhenium 169
NT1 rhenium 184
NT1 rhenium 186
NT1 rhenium 188
NT1 rhenium 190
NT1 rhodium 100
NT1 rhodium 101
NT1 rhodium 103
NT1 rhodium 104
NT1 rhodium 105
NT1 rhodium 95
NT1 rhodium 96
NT1 rhodium 97
NT1 rubidium 76
NT1 rubidium 78
NT1 rubidium 81
NT1 rubidium 84
NT1 rubidium 85
NT1 rubidium 86
NT1 rubidium 90
NT1 ruthenium 93
NT1 samarium 139
NT1 samarium 141
NT1 samarium 143
NT1 scandium 44
NT1 scandium 46
NT1 scandium 50
NT1 selenium 73
NT1 selenium 77
NT1 selenium 79
NT1 selenium 81
NT1 silver 101
NT1 silver 102
NT1 silver 103
NT1 silver 105
NT1 silver 107
NT1 silver 108
NT1 silver 109
NT1 silver 110
NT1 silver 111
NT1 silver 113
NT1 silver 116
NT1 silver 118
NT1 silver 120
NT1 silver 99
NT1 sodium 22
NT1 sodium 24
NT1 strontium 83
NT1 strontium 85
NT1 strontium 87
NT1 tantalum 182
NT1 technetium 102

NT1 technetium 93
NT1 technetium 95
NT1 technetium 96
NT1 technetium 97
NT1 technetium 99
NT1 tellurium 121
NT1 tellurium 123
NT1 tellurium 125
NT1 tellurium 127
NT1 tellurium 129
NT1 tellurium 131
NT1 tellurium 133
NT1 terbium 144
NT1 terbium 146
NT1 terbium 151
NT1 terbium 152
NT1 terbium 154
NT1 terbium 156
NT1 terbium 158
NT1 thallium 179
NT1 thallium 185
NT1 thallium 186
NT1 thallium 187
NT1 thallium 193
NT1 thallium 195
NT1 thallium 196
NT1 thallium 197
NT1 thallium 198
NT1 thallium 201
NT1 thallium 206
NT1 thallium 207
NT1 thulium 150
NT1 thulium 162
NT1 thulium 164
NT1 tin 102
NT1 tin 113
NT1 tin 117
NT1 tin 119
NT1 tin 121
NT1 tin 129
NT1 tin 131
NT1 tungsten 179
NT1 tungsten 180
NT1 tungsten 183
NT1 tungsten 185
NT1 uranium 235
NT1 xenon 125
NT1 xenon 127
NT1 xenon 129
NT1 xenon 131
NT1 xenon 133
NT1 xenon 135
NT1 ytterbium 153
NT1 ytterbium 169
NT1 ytterbium 175
NT1 ytterbium 176
NT1 ytterbium 177
NT1 yttrium 86
NT1 yttrium 87
NT1 yttrium 88
NT1 yttrium 89
NT1 yttrium 90
NT1 yttrium 91
NT1 yttrium 93
NT1 yttrium 97
NT1 zinc 69
NT1 zirconium 85
NT1 zirconium 87
NT1 zirconium 89
NT1 zirconium 90
RT isomeric nuclei
RT isomeric transitions

ISOMERIC TRANSITIONS

BT1 energy-level transitions
RT decay
RT isomeric nuclei
RT isomeric transition isotopes

ISOMERIZATION

(Process for converting hydrocarbon or other organic compound to an isomer.)
UF *tautomerism*
BT1 chemical reactions
RT isomerases

ISOMERS

(Only for geometrical isomers and stereoisomers in chemistry; see also ISOMERIC NUCLEI.)
NT1 enantiomorphs
RT isomerases
RT stereochemistry

ISONIAZID

UF+ *iproniazid*
*BT1 antimicrobial agents
*BT1 hydrazides
RT pyridines

ISONITRILES

*BT1 carbonic acid derivatives
RT nitriles

isopentane

Use 2-methylbutane

isopentyl acetate

Use acetic acid esters

ISOPRENE

UF *2-methylbutadiene*
*BT1 dienes
RT polyisoprene

isopropyl cresol

Use thymol

ISOPROPYL ETHER

UF *di-(2-propyl) ether*
UF *diisopropyl ether*
*BT1 ethers
RT organic solvents

ISOPROPYL RADICALS

*BT1 alkyl radicals

isopropylbenzene

Use cumene

isopropyltoluene-para

Use cymene

ISOSPIN

UF *isobaric spin*
UF *isotopic spin*
BT1 particle properties
RT charm particles
RT yang-mills theory

ISOTACHOPHORESIS

INIS: Aug 1993; ETDE: Apr 1983
(Migration of ion species of the same sign, all with a common counter-ion, under the influence of an electric field.)
BT1 electrophoresis

isotherm

Use isotherms

ISOTHERMAL PROCESSES

UF *processes (isothermal)*
RT adiabatic processes
RT isentropic processes
RT thermodynamics

ISOTHERMS

INIS: Feb 1983; ETDE: Mar 1983
(Lines connecting points of equal temperature.)
UF *geoisotherms*
UF *isotherm*
NT1 adsorption isotherms
RT temperature distribution
RT temperature measurement

ISOTHIOCYANATES

INIS: Sep 1981; ETDE: Apr 1975
(Until January 1995 this concept was indexed to THIOCYANATES. Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 carbonic acid derivatives
BT1 nitrogen compounds
*BT1 organic sulfur compounds
RT thiocyanates

isotones

Use isotonic nuclei

ISOTONIC NUCLEI

(Nuclei having identical number of neutrons.)
UF *isotones*
BT1 nuclei

ISOTONIC SOLUTIONS

INIS: Feb 1981; ETDE: Mar 1981
(Solutions having the same osmotic pressure.)
*BT1 solutions
RT hypertonic solutions
RT osmosis

isotope analysis (quantitative)

Use isotope ratio

ISOTOPE APPLICATIONS

NT1 tracer techniques
NT2 dual-isotope subtraction technique
NT2 isotope dilution
NT2 labelled pool techniques
NT2 radioactive tracer logging
NT2 radioimmunodetection
NT3 radioimmunoassay
NT3 radioimmunoscintigraphy
NT2 radioreceptor assay
RT labelling
RT radiocolloids

isotope composition

Use isotope ratio

isotope composition (quantitative)

Use isotope ratio

ISOTOPE DATING

UF *argon method*
UF *helium method*
UF *lead method*
UF+ *radiocarbon dating*
BT1 age estimation
RT carbon 14

ISOTOPE DILUTION

*BT1 tracer techniques
RT dilution
RT quantitative chemical analysis
RT substoichiometry

ISOTOPE EFFECTS

UF *isotopic effects*
RT isotopes
RT isotopic exchange

ISOTOPE ENRICHED MATERIALS

UF *enriched materials (isotopes)*
BT1 materials
NT1 enriched uranium
NT2 highly enriched uranium
NT2 moderately enriched uranium

NT2 slightly enriched uranium
RT gas centrifugation
RT isotope separation
RT isotopic exchange

isotope enrichment

Use isotope separation

isotope exchange

Use isotopic exchange

ISOTOPE PRODUCTION

UF *production (isotope)*
RT accelerators
RT isotope production reactors
RT isotopes
RT production
RT radioisotope generators
RT transmutation

ISOTOPE PRODUCTION REACTORS

(For the production of radioisotopes to be used in medicine, agriculture, industry, etc.; for the production of fissile materials, see also PRODUCTION REACTORS, and for the production of tritium, see also TRITIUM PRODUCTION REACTORS.)

*BT1 irradiation reactors
NT1 afrri reactor
NT1 ai-l-77 reactor
NT1 alrr reactor
NT1 apsara reactor
NT1 astra reactor
NT1 atpr reactor
NT1 bepo reactor
NT1 ber-2 reactor
NT1 bgrr reactor
NT1 brr reactor
NT1 byu l-77 reactor
NT1 celestin reactor
NT1 cesnef reactor
NT1 cirus reactor
NT1 consort-2 reactor
NT1 cp-5 reactor
NT1 dhruva reactor
NT1 dido reactor
NT1 dmtr reactor
NT1 dow triga-mk-1 reactor
NT1 dr-2 reactor
NT1 dr-3 reactor
NT1 el-1 reactor
NT1 el-2 reactor
NT1 el-3 reactor
NT1 etr reactor
NT1 ewa reactor
NT1 fir-1 reactor
NT1 fnr reactor
NT1 fr-2 reactor
NT1 frf reactor
NT1 frg-2 reactor
NT1 frj-2 reactor
NT1 getr reactor
NT1 gtrr reactor
NT1 gulf triga-mk-3 reactor
NT1 hanaro reactor
NT1 hfir reactor
NT1 hifar reactor
NT1 htr reactor
NT1 hwrr reactor
NT1 ian-r1 reactor
NT1 irt reactor
NT1 irt-c reactor
NT1 irt-f reactor
NT1 irt-sofia reactor
NT1 ispra-1 reactor
NT1 jeep-2 reactor
NT1 jrr-1 reactor
NT1 jrr-3 reactor
NT1 jrr-3m reactor
NT1 kuhfr reactor
NT1 lptr reactor
NT1 maria reactor
NT1 melusine-1 reactor
NT1 mnr reactor
NT1 mrr reactor
NT1 nru reactor
NT1 nrx reactor
NT1 ostr reactor
NT1 pulstar-buffalo reactor
NT1 r-1 reactor
NT1 r-a reactor
NT1 r2-0 reactor
NT1 rtp reactor
NT1 rts-1 reactor
NT1 siloe reactor
NT1 slowpoke type reactors
NT2 slowpoke-alberta reactor
NT2 slowpoke-dalhousie reactor
NT2 slowpoke-montreal reactor
NT2 slowpoke-ottawa reactor
NT2 slowpoke-toronto reactor
NT2 slowpoke-wnre reactor
NT1 taiwan research reactor
NT1 thetis reactor
NT1 thor reactor
NT1 tr-1 reactor
NT1 trico reactor
NT1 triga-1-california reactor
NT1 triga-1-hanover reactor
NT1 triga-1-michigan reactor
NT1 triga-2 reactor
NT1 triga-2-bandung reactor
NT1 triga-2-bangladesh reactor
NT1 triga-2-dalat reactor
NT1 triga-2-illinois reactor
NT1 triga-2-kansas reactor
NT1 triga-2-ljubljana reactor
NT1 triga-2-mainz reactor
NT1 triga-2-musashi reactor
NT1 triga-2-pavia reactor
NT1 triga-2-pitesti reactor
NT1 triga-2-rikkyo reactor
NT1 triga-2-rome reactor
NT1 triga-2-seoul reactor
NT1 triga-2-vienna reactor
NT1 triga-3-munich reactor
NT1 triga-3-salazar reactor
NT1 triga-3-seoul reactor
NT1 triga-brazil reactor
NT1 triga-texas reactor
NT1 triga-veterans reactor
NT1 tz1 reactor
NT1 ucbrr reactor
NT1 uftr reactor
NT1 uknr reactor
NT1 uvar reactor
NT1 uwnr reactor
NT1 wtr reactor
NT1 wwr-2 reactor
NT1 wwr-m-kiev reactor
NT1 wwr-m-leningrad reactor
NT1 wwr-s-budapest reactor
NT1 wwr-s-moscow reactor
NT1 wwr-sm rossendorf reactor
NT1 x-10 reactor
RT isotope production

ISOTOPE RATIO

UF *abundance (isotopic)*
UF *isotope analysis (quantitative)*
UF *isotope composition*
UF *isotope composition (quantitative)*
UF *isotopic analysis (quantitative)*
UF *isotopic composition (quantitative)*
RT abundance
RT element abundance
RT isotopes
RT natural occurrence

ISOTOPE SEPARATION

(For separation of isotopes of the same element only.)

UF *column separation (isotopes)*
UF *depletion (isotopic)*
UF *enrichment (isotopic)*
UF *enrichment (uranium)*
UF *isotope enrichment*
UF *isotopic separation*
UF *uranium enrichment*
BT1 separation processes
NT1 dual temperature process
NT1 electromagnetic isotope separation
NT1 gas centrifugation
NT1 gaseous diffusion process
NT1 laser isotope separation
NT1 separation nozzle method
RT centrifugation
RT electromagnetic isotope separators
RT enrichment
RT gas centrifuges
RT heavy water plants
RT isotope enriched materials
RT isotope separators
RT isotopes
RT plasma centrifuges
RT portsmouth centrifuge enrichment plant
RT radioisotope generators
RT thermal diffusion
RT ultracentrifuges

ISOTOPE SEPARATION PLANTS

INIS: Apr 1976; ETDE: May 1976
UF *uranium enrichment plants*
BT1 industrial plants
BT1 nuclear facilities
NT1 centrifuge enrichment plants
NT2 portsmouth centrifuge enrichment plant
NT1 gaseous diffusion plants
NT2 cogema pierrelatte
NT2 orgdp
NT2 paducah plant
NT2 portsmouth gaseous diffusion plant
NT1 heavy water plants
NT1 tritium extraction plants
RT isotope separators

ISOTOPE SEPARATORS

INIS: Apr 1994; ETDE: Apr 1994
UF *cern isolde*
*BT1 separation equipment
RT isotope separation
RT isotope separation plants

isotope shift

Use spectral shift

ISOTOPES

(From October 1976 till February 1997 ALKALI METAL ISOTOPES was a valid ETDE descriptor.)

UF *alkali metal isotopes*
UF *nuclides*
NT1 actinium isotopes
NT2 actinium 207
NT2 actinium 208
NT2 actinium 209
NT2 actinium 210
NT2 actinium 211
NT2 actinium 212
NT2 actinium 213
NT2 actinium 214
NT2 actinium 215
NT2 actinium 216
NT2 actinium 217
NT2 actinium 218

NT2 actinium 219
NT2 actinium 220
NT2 actinium 221
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NT2 actinium 224
NT2 actinium 225
NT2 actinium 226
NT2 actinium 227
NT2 actinium 228
NT2 actinium 229
NT2 actinium 230
NT2 actinium 231
NT2 actinium 232
NT2 actinium 233
NT2 actinium 234
NT1 alkaline earth isotopes
NT2 barium isotopes
NT3 barium 114
NT3 barium 115
NT3 barium 116
NT3 barium 117
NT3 barium 118
NT3 barium 119
NT3 barium 120
NT3 barium 121
NT3 barium 122
NT3 barium 123
NT3 barium 124
NT3 barium 125
NT3 barium 126
NT3 barium 127
NT3 barium 128
NT3 barium 129
NT3 barium 130
NT3 barium 131
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NT3 barium 133
NT3 barium 134
NT3 barium 135
NT3 barium 136
NT3 barium 137
NT3 barium 138
NT3 barium 139
NT3 barium 140
NT3 barium 141
NT3 barium 142
NT3 barium 143
NT3 barium 144
NT3 barium 145
NT3 barium 146
NT3 barium 147
NT3 barium 148
NT3 barium 149
NT2 beryllium isotopes
NT3 beryllium 10
NT3 beryllium 11
NT3 beryllium 12
NT3 beryllium 13
NT3 beryllium 14
NT3 beryllium 5
NT3 beryllium 6
NT3 beryllium 7
NT3 beryllium 8
NT3 beryllium 9
NT2 calcium isotopes
NT3 calcium 35
NT3 calcium 36
NT3 calcium 37
NT3 calcium 38
NT3 calcium 39
NT3 calcium 40
NT3 calcium 41
NT3 calcium 42
NT3 calcium 43
NT3 calcium 44
NT3 calcium 45
NT3 calcium 46
NT3 calcium 47
NT3 calcium 48
NT3 calcium 49
NT3 calcium 50
NT3 calcium 51
NT3 calcium 52
NT3 calcium 53
NT2 magnesium isotopes
NT3 magnesium 20
NT3 magnesium 21
NT3 magnesium 22
NT3 magnesium 23
NT3 magnesium 24
NT3 magnesium 25
NT3 magnesium 26
NT3 magnesium 27
NT3 magnesium 28
NT3 magnesium 29
NT3 magnesium 30
NT3 magnesium 31
NT3 magnesium 32
NT3 magnesium 33
NT3 magnesium 34
NT3 magnesium 35
NT3 magnesium 36
NT2 radium isotopes
NT3 radium 205
NT3 radium 206
NT3 radium 207
NT3 radium 208
NT3 radium 209
NT3 radium 210
NT3 radium 211
NT3 radium 212
NT3 radium 213
NT3 radium 214
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NT3 radium 227
NT3 radium 228
NT3 radium 229
NT3 radium 230
NT3 radium 231
NT3 radium 232
NT3 radium 233
NT3 radium 234
NT2 strontium isotopes
NT3 strontium 100
NT3 strontium 101
NT3 strontium 102
NT3 strontium 75
NT3 strontium 76
NT3 strontium 77
NT3 strontium 78
NT3 strontium 79
NT3 strontium 80
NT3 strontium 81
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NT3 strontium 92
NT3 strontium 93
NT3 strontium 94
NT3 strontium 95
NT3 strontium 96
NT3 strontium 97
NT3 strontium 98
NT3 strontium 99
NT1 aluminium isotopes
NT2 aluminium 22
NT2 aluminium 23
NT2 aluminium 24
NT2 aluminium 25
NT2 aluminium 26
NT2 aluminium 27
NT2 aluminium 28
NT2 aluminium 29
NT2 aluminium 30
NT2 aluminium 31
NT2 aluminium 32
NT2 aluminium 33
NT2 aluminium 34
NT2 aluminium 35
NT2 aluminium 36
NT2 aluminium 37
NT2 aluminium 38
NT2 aluminium 39
NT1 americium isotopes
NT2 americium 232
NT2 americium 233
NT2 americium 234
NT2 americium 235
NT2 americium 236
NT2 americium 237
NT2 americium 238
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NT2 americium 246
NT2 americium 247
NT1 antimony isotopes
NT2 antimony 104
NT2 antimony 105
NT2 antimony 106
NT2 antimony 108
NT2 antimony 109
NT2 antimony 110
NT2 antimony 111
NT2 antimony 112
NT2 antimony 113
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NT2 antimony 115
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NT2 antimony 127
NT2 antimony 128
NT2 antimony 129
NT2 antimony 130
NT2 antimony 131
NT2 antimony 132
NT2 antimony 133
NT2 antimony 134
NT2 antimony 135
NT2 antimony 136
NT1 argon isotopes
NT2 argon 31
NT2 argon 32
NT2 argon 33
NT2 argon 34

NT2 argon 35
NT2 argon 36
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NT2 argon 49
NT2 argon 50
NT2 argon 51
NT1 arsenic isotopes
NT2 arsenic 64
NT2 arsenic 65
NT2 arsenic 66
NT2 arsenic 67
NT2 arsenic 68
NT2 arsenic 69
NT2 arsenic 70
NT2 arsenic 71
NT2 arsenic 72
NT2 arsenic 73
NT2 arsenic 74
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NT2 arsenic 78
NT2 arsenic 79
NT2 arsenic 80
NT2 arsenic 81
NT2 arsenic 82
NT2 arsenic 83
NT2 arsenic 84
NT2 arsenic 85
NT2 arsenic 86
NT2 arsenic 87
NT1 astatine isotopes
NT2 astatine 191
NT2 astatine 193
NT2 astatine 194
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NT1 berkelium isotopes
NT2 berkelium 240
NT2 berkelium 241
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NT2 berkelium 250
NT2 berkelium 251
NT1 bismuth isotopes
NT2 bismuth 186
NT2 bismuth 188
NT2 bismuth 189
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NT2 bismuth 192
NT2 bismuth 193
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NT2 bismuth 216
NT1 boron isotopes
NT2 boron 10
NT2 boron 11
NT2 boron 12
NT2 boron 13
NT2 boron 14
NT2 boron 15
NT2 boron 16
NT2 boron 17
NT2 boron 18
NT2 boron 19
NT2 boron 7
NT2 boron 8
NT2 boron 9
NT1 bromine isotopes
NT2 bromine 69
NT2 bromine 70
NT2 bromine 71
NT2 bromine 72
NT2 bromine 73
NT2 bromine 74
NT2 bromine 75
NT2 bromine 76
NT2 bromine 77
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NT2 bromine 92
NT2 bromine 93
NT1 cadmium isotopes
NT2 cadmium 100
NT2 cadmium 101
NT2 cadmium 102
NT2 cadmium 103
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NT2 cadmium 125
NT2 cadmium 126
NT2 cadmium 127
NT2 cadmium 128
NT2 cadmium 130
NT2 cadmium 96
NT2 cadmium 97
NT2 cadmium 98
NT2 cadmium 99
NT1 californium isotopes
NT2 californium 238
NT2 californium 239
NT2 californium 240
NT2 californium 241
NT2 californium 242
NT2 californium 243
NT2 californium 244
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NT2 californium 250
NT2 californium 251
NT2 californium 252
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NT2 californium 254
NT2 californium 255
NT2 californium 256
NT1 carbon isotopes
NT2 carbon 10
NT2 carbon 11
NT2 carbon 12
NT2 carbon 13
NT2 carbon 14
NT2 carbon 15
NT2 carbon 16
NT2 carbon 17
NT2 carbon 18
NT2 carbon 19
NT2 carbon 20
NT2 carbon 22
NT2 carbon 8
NT2 carbon 9
NT1 carrier-free isotopes
NT1 cesium isotopes
NT2 cesium 113
NT2 cesium 114
NT2 cesium 115
NT2 cesium 116
NT2 cesium 117
NT2 cesium 118
NT2 cesium 119

NT2 cesium 120
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NT2 cesium 147
NT2 cesium 148
NT2 cesium 149
NT2 cesium 150
NT1 chlorine isotopes
NT2 chlorine 31
NT2 chlorine 32
NT2 chlorine 33
NT2 chlorine 34
NT2 chlorine 35
NT2 chlorine 36
NT2 chlorine 37
NT2 chlorine 38
NT2 chlorine 39
NT2 chlorine 40
NT2 chlorine 41
NT2 chlorine 42
NT2 chlorine 43
NT2 chlorine 44
NT2 chlorine 45
NT2 chlorine 46
NT2 chlorine 47
NT2 chlorine 48
NT2 chlorine 49
NT2 chlorine 51
NT1 chromium isotopes
NT2 chromium 42
NT2 chromium 43
NT2 chromium 44
NT2 chromium 45
NT2 chromium 46
NT2 chromium 47
NT2 chromium 48
NT2 chromium 49
NT2 chromium 50
NT2 chromium 51
NT2 chromium 52
NT2 chromium 53
NT2 chromium 54
NT2 chromium 55
NT2 chromium 56
NT2 chromium 57
NT2 chromium 58
NT2 chromium 59
NT2 chromium 60
NT2 chromium 61
NT2 chromium 62
NT1 cobalt isotopes
NT2 cobalt 50
NT2 cobalt 52
NT2 cobalt 53
NT2 cobalt 54
NT2 cobalt 55
NT2 cobalt 56
NT2 cobalt 57
NT2 cobalt 58
NT2 cobalt 59
NT2 cobalt 60
NT2 cobalt 61
NT2 cobalt 62
NT2 cobalt 63
NT2 cobalt 64
NT2 cobalt 65
NT2 cobalt 66
NT2 cobalt 67
NT2 cobalt 68
NT2 cobalt 69
NT2 cobalt 70
NT1 copper isotopes
NT2 copper 56
NT2 copper 57
NT2 copper 58
NT2 copper 59
NT2 copper 60
NT2 copper 61
NT2 copper 62
NT2 copper 63
NT2 copper 64
NT2 copper 65
NT2 copper 66
NT2 copper 67
NT2 copper 68
NT2 copper 69
NT2 copper 70
NT2 copper 71
NT2 copper 72
NT2 copper 73
NT2 copper 74
NT2 copper 75
NT2 copper 76
NT2 copper 77
NT2 copper 78
NT2 copper 79
NT1 curium isotopes
NT2 curium 232
NT2 curium 236
NT2 curium 237
NT2 curium 238
NT2 curium 239
NT2 curium 240
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NT2 curium 242
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NT2 curium 247
NT2 curium 248
NT2 curium 249
NT2 curium 250
NT2 curium 251
NT2 curium 252
NT1 daughter products
NT1 einsteinium isotopes
NT2 einsteinium 243
NT2 einsteinium 244
NT2 einsteinium 245
NT2 einsteinium 246
NT2 einsteinium 247
NT2 einsteinium 248
NT2 einsteinium 249
NT2 einsteinium 250
NT2 einsteinium 251
NT2 einsteinium 252
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NT2 einsteinium 254
NT2 einsteinium 255
NT2 einsteinium 256
NT1 fermium isotopes
NT2 fermium 242
NT2 fermium 243
NT2 fermium 244
NT2 fermium 245
NT2 fermium 246
NT2 fermium 247
NT2 fermium 248
NT2 fermium 249
NT2 fermium 250
NT2 fermium 251
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NT2 fermium 253
NT2 fermium 254
NT2 fermium 255
NT2 fermium 256
NT2 fermium 257
NT2 fermium 258
NT2 fermium 259
NT1 fission products
NT1 fluorine isotopes
NT2 fluorine 14
NT2 fluorine 15
NT2 fluorine 16
NT2 fluorine 17
NT2 fluorine 18
NT2 fluorine 19
NT2 fluorine 20
NT2 fluorine 21
NT2 fluorine 22
NT2 fluorine 23
NT2 fluorine 24
NT2 fluorine 25
NT2 fluorine 26
NT2 fluorine 27
NT2 fluorine 29
NT1 francium isotopes
NT2 francium 199
NT2 francium 200
NT2 francium 201
NT2 francium 202
NT2 francium 203
NT2 francium 204
NT2 francium 205
NT2 francium 206
NT2 francium 207
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NT2 francium 225
NT2 francium 226
NT2 francium 227
NT2 francium 228
NT2 francium 229
NT2 francium 230
NT2 francium 231
NT2 francium 232
NT1 gallium isotopes
NT2 gallium 60
NT2 gallium 61
NT2 gallium 62
NT2 gallium 63
NT2 gallium 64
NT2 gallium 65
NT2 gallium 66
NT2 gallium 67
NT2 gallium 68
NT2 gallium 69

NT2 gallium 70
NT2 gallium 71
NT2 gallium 72
NT2 gallium 73
NT2 gallium 74
NT2 gallium 75
NT2 gallium 76
NT2 gallium 77
NT2 gallium 78
NT2 gallium 79
NT2 gallium 80
NT2 gallium 81
NT2 gallium 82
NT2 gallium 83
NT2 gallium 84
NT1 germanium isotopes
NT2 germanium 61
NT2 germanium 62
NT2 germanium 64
NT2 germanium 65
NT2 germanium 66
NT2 germanium 67
NT2 germanium 68
NT2 germanium 69
NT2 germanium 70
NT2 germanium 71
NT2 germanium 72
NT2 germanium 73
NT2 germanium 74
NT2 germanium 75
NT2 germanium 76
NT2 germanium 77
NT2 germanium 78
NT2 germanium 79
NT2 germanium 80
NT2 germanium 81
NT2 germanium 82
NT2 germanium 83
NT2 germanium 84
NT2 germanium 85
NT1 gold isotopes
NT2 gold 170
NT2 gold 171
NT2 gold 172
NT2 gold 173
NT2 gold 174
NT2 gold 175
NT2 gold 176
NT2 gold 177
NT2 gold 178
NT2 gold 179
NT2 gold 180
NT2 gold 181
NT2 gold 182
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NT2 gold 196
NT2 gold 197
NT2 gold 198
NT2 gold 199
NT2 gold 200
NT2 gold 201
NT2 gold 202
NT2 gold 203
NT2 gold 204
NT2 gold 205
NT1 hafnium isotopes
NT2 hafnium 154
NT2 hafnium 155
NT2 hafnium 156
NT2 hafnium 157
NT2 hafnium 158
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NT2 hafnium 185
NT2 hafnium 186
NT1 helium isotopes
NT2 helium 10
NT2 helium 2
NT2 helium 3
NT3 helium 3 a
NT3 helium 3 a1
NT3 helium 3 b
NT2 helium 4
NT3 helium i
NT3 helium ii
NT2 helium 5
NT2 helium 6
NT2 helium 7
NT2 helium 8
NT2 helium 9
NT1 hydrogen isotopes
NT2 deuterium
NT2 hydrogen 1
NT2 hydrogen 4
NT2 hydrogen 5
NT2 hydrogen 6
NT2 hydrogen 7
NT2 tritium
NT1 indium isotopes
NT2 indium 100
NT2 indium 101
NT2 indium 102
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NT2 indium 129
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NT2 indium 134
NT2 indium 135
NT1 iodine isotopes
NT2 iodine 108
NT2 iodine 109
NT2 iodine 110
NT2 iodine 111
NT2 iodine 112
NT2 iodine 113
NT2 iodine 114
NT2 iodine 115
NT2 iodine 116
NT2 iodine 117
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NT2 iodine 135
NT2 iodine 136
NT2 iodine 137
NT2 iodine 138
NT2 iodine 139
NT2 iodine 140
NT2 iodine 141
NT2 iodine 142
NT1 iridium isotopes
NT2 iridium 166
NT2 iridium 167
NT2 iridium 168
NT2 iridium 169
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NT2 iridium 195
NT2 iridium 196
NT2 iridium 197
NT2 iridium 198
NT1 iron isotopes
NT2 iron 45
NT2 iron 46
NT2 iron 47
NT2 iron 48
NT2 iron 49
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NT2 iron 61
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NT2 iron 64
NT2 iron 65
NT2 iron 66
NT2 iron 67
NT2 iron 68
NT1 krypton isotopes
NT2 krypton 69
NT2 krypton 70
NT2 krypton 71
NT2 krypton 72
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NT2 krypton 98
NT1 lawrencium isotopes
NT2 lawrencium 252
NT2 lawrencium 253
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NT2 lawrencium 263
NT1 lead isotopes
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NT1 lithium isotopes
NT2 lithium 10
NT2 lithium 11
NT2 lithium 12
NT2 lithium 13
NT2 lithium 3
NT2 lithium 4
NT2 lithium 5
NT2 lithium 6
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NT1 manganese isotopes
NT2 manganese 44
NT2 manganese 46
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NT2 manganese 64
NT2 manganese 65
NT1 mendelevium isotopes
NT2 mendelevium 247
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NT2 mendelevium 261
NT1 mercury isotopes
NT2 mercury 175
NT2 mercury 176
NT2 mercury 177
NT2 mercury 178
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NT2 mercury 212
NT1 molybdenum isotopes
NT2 molybdenum 100
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NT2 molybdenum 84
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NT1 neon isotopes
NT2 neon 16
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NT2 neon 21
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NT2 neon 26
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NT2 neon 32
NT1 neptunium isotopes
NT2 neptunium 225
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NT1 nickel isotopes
NT2 nickel 49
NT2 nickel 50
NT2 nickel 52
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NT2 nickel 69
NT2 nickel 71
NT2 nickel 72
NT2 nickel 73
NT2 nickel 78
NT1 niobium isotopes
NT2 niobium 100
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NT1 nitrogen isotopes
NT2 nitrogen 11
NT2 nitrogen 12
NT2 nitrogen 13
NT2 nitrogen 14
NT2 nitrogen 15
NT2 nitrogen 16
NT2 nitrogen 17
NT2 nitrogen 18
NT2 nitrogen 19
NT2 nitrogen 20
NT2 nitrogen 21
NT2 nitrogen 22
NT2 nitrogen 23
NT1 nobelium isotopes
NT2 nobelium 250
NT2 nobelium 251
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NT2 nobelium 264
NT1 osmium isotopes
NT2 osmium 162
NT2 osmium 163
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NT1 oxygen isotopes
NT2 oxygen 12
NT2 oxygen 13
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NT2 oxygen 16
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NT1 palladium isotopes
NT2 palladium 100
NT2 palladium 101
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NT2 palladium 93
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NT2 palladium 99
NT1 phosphorus isotopes
NT2 phosphorus 21
NT2 phosphorus 24
NT2 phosphorus 25
NT2 phosphorus 26
NT2 phosphorus 27
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NT2 phosphorus 46
NT1 platinum isotopes
NT2 platinum 168
NT2 platinum 169
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NT1 plutonium isotopes
NT2 plutonium 228
NT2 plutonium 229
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NT2 plutonium 250
NT1 potassium isotopes
NT2 potassium 35
NT2 potassium 36
NT2 potassium 37
NT2 potassium 38
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NT2 potassium 53
NT2 potassium 54
NT1 protactinium isotopes
NT2 protactinium 212
NT2 protactinium 213
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NT2 protactinium 237
NT2 protactinium 238
NT2 protactinium 239
NT1 radioisotopes
NT2 alpha decay radioisotopes
NT3 actinium 207
NT3 actinium 208
NT3 actinium 209
NT3 actinium 210
NT3 actinium 211
NT3 actinium 212
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NT3 actinium 226
NT3 actinium 227
NT3 americium 232
NT3 americium 237
NT3 americium 238
NT3 americium 239
NT3 americium 240
NT3 americium 241
NT3 americium 242
NT3 americium 243
NT3 astatine 191
NT3 astatine 193
NT3 astatine 194
NT3 astatine 196
NT3 astatine 197
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NT3 astatine 199
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NT3 astatine 220
NT3 berkelium 243
NT3 berkelium 244
NT3 berkelium 245
NT3 berkelium 247
NT3 berkelium 249
NT3 beryllium 8
NT3 bismuth 186
NT3 bismuth 188
NT3 bismuth 189
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NT3 bismuth 191
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NT3 bismuth 193
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NT3 bismuth 214
NT3 boron 9
NT3 californium 239
NT3 californium 240
NT3 californium 241
NT3 californium 242
NT3 californium 243
NT3 californium 244
NT3 californium 245
NT3 californium 246
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NT3 curium 236
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NT3 curium 250
NT3 dysprosium 150
NT3 dysprosium 151
NT3 dysprosium 152
NT3 dysprosium 153
NT3 dysprosium 154
NT3 einsteinium 243
NT3 einsteinium 244
NT3 einsteinium 245
NT3 einsteinium 246
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NT3 einsteinium 249
NT3 einsteinium 251
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NT3 element 104 255
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NT3 element 105 256
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NT3 element 106 263
NT3 element 106 265

NT3 element 106 266
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NT3 element 108 264
NT3 element 108 265
NT3 element 108 270
NT3 element 109 266
NT3 element 109 268
NT3 element 110 269
NT3 element 110 270
NT3 element 111 272
NT3 element 112 277
NT3 erbium 152
NT3 erbium 153
NT3 erbium 154
NT3 erbium 155
NT3 europium 147
NT3 europium 148
NT3 fermium 243
NT3 fermium 245
NT3 fermium 246
NT3 fermium 247
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NT3 fermium 250
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NT3 francium 199
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NT3 francium 222
NT3 francium 223
NT3 gadolinium 148
NT3 gadolinium 149
NT3 gadolinium 150
NT3 gadolinium 151
NT3 gadolinium 152
NT3 gold 171
NT3 gold 172
NT3 gold 173
NT3 gold 174
NT3 gold 175
NT3 gold 176
NT3 gold 177
NT3 gold 178
NT3 gold 179
NT3 gold 181
NT3 gold 183
NT3 gold 184
NT3 gold 185
NT3 hafnium 156
NT3 hafnium 157
NT3 hafnium 158
NT3 hafnium 159
NT3 hafnium 160
NT3 hafnium 161
NT3 hafnium 162
NT3 hafnium 174
NT3 helium 5
NT3 holmium 151
NT3 holmium 152
NT3 holmium 153
NT3 holmium 154
NT3 holmium 155
NT3 iodine 108
NT3 iodine 111
NT3 iridium 166
NT3 iridium 167
NT3 iridium 168
NT3 iridium 169
NT3 iridium 170
NT3 iridium 171
NT3 iridium 172
NT3 iridium 173
NT3 iridium 174
NT3 iridium 175
NT3 iridium 176
NT3 iridium 177
NT3 lawrencium 252
NT3 lawrencium 253
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NT3 lawrencium 256
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NT3 lawrencium 259
NT3 lawrencium 260
NT3 lead 180
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NT3 lead 186
NT3 lead 187
NT3 lead 188
NT3 lead 189
NT3 lead 190
NT3 lead 191
NT3 lead 192
NT3 lead 210
NT3 lithium 5
NT3 lutetium 155
NT3 lutetium 156
NT3 lutetium 157
NT3 lutetium 158
NT3 lutetium 159
NT3 mendelevium 247
NT3 mendelevium 248
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NT3 mendelevium 251
NT3 mendelevium 255
NT3 mendelevium 256
NT3 mendelevium 257
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NT3 mendelevium 259
NT3 mercury 175
NT3 mercury 176
NT3 mercury 177
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NT3 mercury 180
NT3 mercury 181
NT3 mercury 182
NT3 mercury 183
NT3 mercury 184
NT3 mercury 185
NT3 mercury 186
NT3 mercury 187
NT3 mercury 188
NT3 neodymium 144
NT3 neptunium 225
NT3 neptunium 226
NT3 neptunium 227
NT3 neptunium 229
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NT3 neptunium 231
NT3 neptunium 233
NT3 neptunium 235
NT3 neptunium 237
NT3 nobelium 251
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NT3 nobelium 253
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NT3 nobelium 255
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NT3 nobelium 257
NT3 nobelium 259
NT3 nobelium 260
NT3 osmium 162
NT3 osmium 163
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NT3 osmium 167
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NT3 osmium 171
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NT3 osmium 174
NT3 osmium 186
NT3 platinum 168
NT3 platinum 169
NT3 platinum 170
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NT3 plutonium 228
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NT3 plutonium 244
NT3 polonium 188
NT3 polonium 190
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NT3 polonium 218
NT3 promethium 145
NT3 protactinium 212
NT3 protactinium 213
NT3 protactinium 214
NT3 protactinium 215
NT3 protactinium 216
NT3 protactinium 217
NT3 protactinium 218
NT3 protactinium 219
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NT3 radium 205
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NT3 radium 213
NT3 radium 214
NT3 radium 215
NT3 radium 216
NT3 radium 217
NT3 radium 218
NT3 radium 219
NT3 radium 220
NT3 radium 221
NT3 radium 222
NT3 radium 223
NT3 radium 224
NT3 radium 226
NT3 radon 197
NT3 radon 199
NT3 radon 200
NT3 radon 201
NT3 radon 202
NT3 radon 203
NT3 radon 204
NT3 radon 205
NT3 radon 206
NT3 radon 207
NT3 radon 208
NT3 radon 209
NT3 radon 210
NT3 radon 211
NT3 radon 212
NT3 radon 213
NT3 radon 214
NT3 radon 215
NT3 radon 216
NT3 radon 217
NT3 radon 218
NT3 radon 219
NT3 radon 220
NT3 radon 221
NT3 radon 222
NT3 rhenium 161
NT3 rhenium 162
NT3 rhenium 163
NT3 rhenium 164
NT3 rhenium 165
NT3 rhenium 166
NT3 rhenium 167
NT3 rhenium 168
NT3 rhenium 169
NT3 samarium 146
NT3 samarium 147
NT3 samarium 148
NT3 tantalum 157
NT3 tantalum 158
NT3 tantalum 159
NT3 tantalum 160
NT3 tantalum 161
NT3 tantalum 163
NT3 tantalum 164
NT3 tellurium 106
NT3 tellurium 107
NT3 tellurium 108
NT3 tellurium 109
NT3 tellurium 110
NT3 terbium 149
NT3 terbium 151
NT3 thallium 179
NT3 thallium 182
NT3 thallium 183
NT3 thallium 184
NT3 thallium 185
NT3 thallium 186
NT3 thallium 187
NT3 thorium 212
NT3 thorium 213
NT3 thorium 214
NT3 thorium 215
NT3 thorium 216
NT3 thorium 217
NT3 thorium 218
NT3 thorium 219
NT3 thorium 220
NT3 thorium 221
NT3 thorium 222
NT3 thorium 223
NT3 thorium 224
NT3 thorium 225
NT3 thorium 226
NT3 thorium 227
NT3 thorium 228
NT3 thorium 229
NT3 thorium 230
NT3 thorium 232
NT3 thulium 153
NT3 thulium 154
NT3 thulium 155
NT3 thulium 156
NT3 thulium 157
NT3 tungsten 158
NT3 tungsten 159
NT3 tungsten 160
NT3 tungsten 161
NT3 tungsten 162
NT3 tungsten 163
NT3 tungsten 164
NT3 tungsten 165
NT3 tungsten 166
NT3 uranium 218
NT3 uranium 219
NT3 uranium 222
NT3 uranium 223
NT3 uranium 224
NT3 uranium 225
NT3 uranium 226
NT3 uranium 227
NT3 uranium 228
NT3 uranium 229
NT3 uranium 230
NT3 uranium 231
NT3 uranium 232
NT3 uranium 233
NT3 uranium 234
NT3 uranium 235
NT3 uranium 236
NT3 uranium 238
NT3 xenon 110
NT3 xenon 111
NT3 xenon 112
NT3 ytterbium 154
NT3 ytterbium 155
NT3 ytterbium 156
NT3 ytterbium 157
NT3 ytterbium 158
NT2 beta decay radioisotopes
NT3 beta-minus decay radioisotopes
NT4 actinium 226
NT4 actinium 227
NT4 actinium 228
NT4 actinium 229
NT4 actinium 230
NT4 actinium 231
NT4 actinium 232
NT4 actinium 233
NT4 actinium 234
NT4 aluminium 28
NT4 aluminium 29
NT4 aluminium 30
NT4 aluminium 31
NT4 aluminium 32
NT4 aluminium 34
NT4 aluminium 36
NT4 aluminium 37
NT4 americium 242
NT4 americium 244
NT4 americium 245
NT4 americium 246
NT4 americium 247
NT4 antimony 122
NT4 antimony 124
NT4 antimony 125
NT4 antimony 126
NT4 antimony 127
NT4 antimony 128
NT4 antimony 129
NT4 antimony 130
NT4 antimony 131
NT4 antimony 132
NT4 antimony 133
NT4 antimony 134
NT4 antimony 135
NT4 antimony 136
NT4 argon 39
NT4 argon 41
NT4 argon 42
NT4 argon 43
NT4 argon 44
NT4 argon 45
NT4 argon 46
NT4 arsenic 74
NT4 arsenic 76
NT4 arsenic 77
NT4 arsenic 78
NT4 arsenic 79
NT4 arsenic 80
NT4 arsenic 81
NT4 arsenic 82
NT4 arsenic 83
NT4 arsenic 84
NT4 arsenic 85
NT4 arsenic 86
NT4 arsenic 87
NT4 astatine 217
NT4 astatine 218

NT4 astatine 219
NT4 astatine 220
NT4 astatine 221
NT4 astatine 222
NT4 astatine 223
NT4 barium 139
NT4 barium 140
NT4 barium 141
NT4 barium 142
NT4 barium 143
NT4 barium 144
NT4 barium 145
NT4 barium 146
NT4 barium 147
NT4 barium 148
NT4 barium 149
NT4 berkelium 248
NT4 berkelium 249
NT4 berkelium 250
NT4 berkelium 251
NT4 beryllium 10
NT4 beryllium 11
NT4 beryllium 12
NT4 beryllium 14
NT4 bismuth 210
NT4 bismuth 211
NT4 bismuth 212
NT4 bismuth 213
NT4 bismuth 214
NT4 bismuth 215
NT4 bismuth 216
NT4 boron 12
NT4 boron 13
NT4 boron 14
NT4 boron 15
NT4 boron 16
NT4 boron 17
NT4 boron 19
NT4 bromine 80
NT4 bromine 82
NT4 bromine 83
NT4 bromine 84
NT4 bromine 85
NT4 bromine 86
NT4 bromine 87
NT4 bromine 88
NT4 bromine 89
NT4 bromine 90
NT4 bromine 91
NT4 bromine 92
NT4 bromine 93
NT4 cadmium 113
NT4 cadmium 115
NT4 cadmium 117
NT4 cadmium 118
NT4 cadmium 119
NT4 cadmium 120
NT4 cadmium 121
NT4 cadmium 122
NT4 cadmium 123
NT4 cadmium 124
NT4 cadmium 125
NT4 cadmium 126
NT4 cadmium 127
NT4 cadmium 128
NT4 cadmium 130
NT4 calcium 45
NT4 calcium 47
NT4 calcium 49
NT4 calcium 50
NT4 calcium 51
NT4 calcium 52
NT4 calcium 53
NT4 californium 253
NT4 californium 255
NT4 carbon 14
NT4 carbon 15
NT4 carbon 16
NT4 carbon 17
NT4 carbon 18
NT4 cerium 141
NT4 cerium 143
NT4 cerium 144
NT4 cerium 145
NT4 cerium 146
NT4 cerium 147
NT4 cerium 148
NT4 cerium 149
NT4 cerium 150
NT4 cerium 151
NT4 cerium 152
NT4 cesium 130
NT4 cesium 132
NT4 cesium 134
NT4 cesium 135
NT4 cesium 136
NT4 cesium 137
NT4 cesium 138
NT4 cesium 139
NT4 cesium 140
NT4 cesium 141
NT4 cesium 142
NT4 cesium 143
NT4 cesium 144
NT4 cesium 145
NT4 cesium 146
NT4 cesium 147
NT4 cesium 148
NT4 cesium 149
NT4 cesium 150
NT4 chlorine 36
NT4 chlorine 38
NT4 chlorine 39
NT4 chlorine 40
NT4 chlorine 41
NT4 chromium 55
NT4 chromium 56
NT4 chromium 57
NT4 chromium 58
NT4 chromium 59
NT4 chromium 60
NT4 cobalt 60
NT4 cobalt 61
NT4 cobalt 62
NT4 cobalt 63
NT4 cobalt 64
NT4 cobalt 65
NT4 cobalt 66
NT4 cobalt 67
NT4 copper 64
NT4 copper 66
NT4 copper 67
NT4 copper 68
NT4 copper 69
NT4 copper 70
NT4 copper 71
NT4 copper 72
NT4 copper 73
NT4 copper 74
NT4 copper 75
NT4 copper 76
NT4 copper 77
NT4 copper 78
NT4 copper 79
NT4 curium 249
NT4 curium 250
NT4 curium 251
NT4 dysprosium 165
NT4 dysprosium 166
NT4 dysprosium 167
NT4 dysprosium 168
NT4 dysprosium 169
NT4 einsteinium 254
NT4 einsteinium 255
NT4 einsteinium 256
NT4 erbium 169
NT4 erbium 171
NT4 erbium 172
NT4 erbium 173
NT4 erbium 174
NT4 erbium 175
NT4 europium 150
NT4 europium 152
NT4 europium 154
NT4 europium 155
NT4 europium 156
NT4 europium 157
NT4 europium 158
NT4 europium 159
NT4 europium 160
NT4 europium 161
NT4 europium 162
NT4 fluorine 20
NT4 fluorine 21
NT4 fluorine 22
NT4 fluorine 23
NT4 fluorine 24
NT4 fluorine 25
NT4 fluorine 26
NT4 fluorine 27
NT4 francium 220
NT4 francium 222
NT4 francium 223
NT4 francium 224
NT4 francium 225
NT4 francium 226
NT4 francium 227
NT4 francium 228
NT4 francium 229
NT4 francium 230
NT4 francium 231
NT4 gadolinium 159
NT4 gadolinium 161
NT4 gadolinium 162
NT4 gadolinium 163
NT4 gadolinium 164
NT4 gadolinium 165
NT4 gallium 70
NT4 gallium 72
NT4 gallium 73
NT4 gallium 74
NT4 gallium 75
NT4 gallium 76
NT4 gallium 77
NT4 gallium 78
NT4 gallium 79
NT4 gallium 80
NT4 gallium 81
NT4 gallium 82
NT4 gallium 83
NT4 gallium 84
NT4 germanium 75
NT4 germanium 77
NT4 germanium 78
NT4 germanium 79
NT4 germanium 80
NT4 germanium 81
NT4 germanium 82
NT4 germanium 83
NT4 germanium 84
NT4 germanium 85
NT4 gold 196
NT4 gold 198
NT4 gold 199
NT4 gold 200
NT4 gold 201
NT4 gold 202
NT4 gold 203
NT4 gold 204
NT4 gold 205
NT4 hafnium 181
NT4 hafnium 182
NT4 hafnium 183
NT4 hafnium 184
NT4 helium 6
NT4 helium 7
NT4 helium 8

NT4 holmium 164
NT4 holmium 166
NT4 holmium 167
NT4 holmium 168
NT4 holmium 169
NT4 holmium 170
NT4 holmium 171
NT4 holmium 172
NT4 indium 112
NT4 indium 114
NT4 indium 115
NT4 indium 116
NT4 indium 117
NT4 indium 118
NT4 indium 119
NT4 indium 120
NT4 indium 121
NT4 indium 122
NT4 indium 123
NT4 indium 124
NT4 indium 125
NT4 indium 126
NT4 indium 127
NT4 indium 128
NT4 indium 129
NT4 indium 130
NT4 indium 131
NT4 indium 132
NT4 indium 133
NT4 indium 134
NT4 indium 135
NT4 iodine 126
NT4 iodine 128
NT4 iodine 129
NT4 iodine 130
NT4 iodine 131
NT4 iodine 132
NT4 iodine 133
NT4 iodine 134
NT4 iodine 135
NT4 iodine 136
NT4 iodine 137
NT4 iodine 138
NT4 iodine 139
NT4 iodine 140
NT4 iodine 141
NT4 iodine 142
NT4 iridium 192
NT4 iridium 194
NT4 iridium 195
NT4 iridium 196
NT4 iridium 197
NT4 iridium 198
NT4 iron 59
NT4 iron 60
NT4 iron 61
NT4 iron 62
NT4 iron 63
NT4 iron 64
NT4 krypton 85
NT4 krypton 87
NT4 krypton 88
NT4 krypton 89
NT4 krypton 90
NT4 krypton 91
NT4 krypton 92
NT4 krypton 93
NT4 krypton 94
NT4 krypton 95
NT4 krypton 97
NT4 lanthanum 138
NT4 lanthanum 140
NT4 lanthanum 141
NT4 lanthanum 142
NT4 lanthanum 143
NT4 lanthanum 144
NT4 lanthanum 145
NT4 lanthanum 146
NT4 lanthanum 147
NT4 lanthanum 148
NT4 lanthanum 149
NT4 lanthanum 150
NT4 lead 209
NT4 lead 210
NT4 lead 211
NT4 lead 212
NT4 lead 213
NT4 lead 214
NT4 lithium 11
NT4 lithium 13
NT4 lithium 8
NT4 lithium 9
NT4 lutetium 176
NT4 lutetium 177
NT4 lutetium 178
NT4 lutetium 179
NT4 lutetium 180
NT4 lutetium 181
NT4 lutetium 182
NT4 lutetium 183
NT4 lutetium 184
NT4 lutetium 187
NT4 magnesium 27
NT4 magnesium 28
NT4 magnesium 29
NT4 magnesium 30
NT4 magnesium 31
NT4 magnesium 32
NT4 magnesium 33
NT4 magnesium 34
NT4 manganese 56
NT4 manganese 57
NT4 manganese 58
NT4 manganese 59
NT4 manganese 60
NT4 manganese 61
NT4 manganese 62
NT4 manganese 63
NT4 mercury 203
NT4 mercury 205
NT4 mercury 206
NT4 molybdenum 101
NT4 molybdenum 102
NT4 molybdenum 103
NT4 molybdenum 104
NT4 molybdenum 105
NT4 molybdenum 106
NT4 molybdenum 107
NT4 molybdenum 108
NT4 molybdenum 109
NT4 molybdenum 99
NT4 neodymium 147
NT4 neodymium 149
NT4 neodymium 151
NT4 neodymium 152
NT4 neodymium 153
NT4 neodymium 154
NT4 neodymium 155
NT4 neodymium 156
NT4 neon 23
NT4 neon 24
NT4 neon 25
NT4 neon 26
NT4 neon 27
NT4 neon 29
NT4 neon 30
NT4 neptunium 236
NT4 neptunium 238
NT4 neptunium 239
NT4 neptunium 240
NT4 neptunium 241
NT4 neptunium 242
NT4 neptunium 243
NT4 neptunium 244
NT4 neutron-rich isotopes
NT4 nickel 63
NT4 nickel 65
NT4 nickel 66
NT4 nickel 67
NT4 nickel 69
NT4 nickel 71
NT4 nickel 72
NT4 nickel 73
NT4 nickel 74
NT4 niobium 100
NT4 niobium 101
NT4 niobium 102
NT4 niobium 103
NT4 niobium 104
NT4 niobium 105
NT4 niobium 106
NT4 niobium 108
NT4 niobium 94
NT4 niobium 95
NT4 niobium 96
NT4 niobium 97
NT4 niobium 98
NT4 niobium 99
NT4 nitrogen 16
NT4 nitrogen 17
NT4 nitrogen 18
NT4 nitrogen 19
NT4 nitrogen 20
NT4 nitrogen 22
NT4 nitrogen 23
NT4 osmium 191
NT4 osmium 193
NT4 osmium 194
NT4 osmium 195
NT4 osmium 196
NT4 oxygen 19
NT4 oxygen 20
NT4 oxygen 21
NT4 oxygen 22
NT4 oxygen 23
NT4 oxygen 24
NT4 palladium 107
NT4 palladium 109
NT4 palladium 111
NT4 palladium 112
NT4 palladium 113
NT4 palladium 114
NT4 palladium 115
NT4 palladium 116
NT4 palladium 117
NT4 palladium 118
NT4 palladium 119
NT4 palladium 120
NT4 phosphorus 32
NT4 phosphorus 33
NT4 phosphorus 34
NT4 phosphorus 35
NT4 phosphorus 36
NT4 phosphorus 37
NT4 phosphorus 38
NT4 phosphorus 40
NT4 phosphorus 41
NT4 phosphorus 42
NT4 platinum 197
NT4 platinum 199
NT4 platinum 200
NT4 platinum 201
NT4 plutonium 241
NT4 plutonium 243
NT4 plutonium 245
NT4 plutonium 246
NT4 polonium 215
NT4 polonium 218
NT4 potassium 40
NT4 potassium 42
NT4 potassium 43
NT4 potassium 44
NT4 potassium 45
NT4 potassium 46
NT4 potassium 47
NT4 potassium 48
NT4 potassium 49

NT4 potassium 50
NT4 potassium 51
NT4 potassium 52
NT4 potassium 53
NT4 potassium 54
NT4 praseodymium 142
NT4 praseodymium 143
NT4 praseodymium 144
NT4 praseodymium 145
NT4 praseodymium 146
NT4 praseodymium 147
NT4 praseodymium 148
NT4 praseodymium 149
NT4 praseodymium 150
NT4 praseodymium 151
NT4 praseodymium 152
NT4 praseodymium 153
NT4 praseodymium 154
NT4 promethium 146
NT4 promethium 147
NT4 promethium 148
NT4 promethium 149
NT4 promethium 150
NT4 promethium 151
NT4 promethium 152
NT4 promethium 153
NT4 promethium 154
NT4 promethium 155
NT4 promethium 156
NT4 promethium 157
NT4 promethium 158
NT4 protactinium 230
NT4 protactinium 232
NT4 protactinium 233
NT4 protactinium 234
NT4 protactinium 235
NT4 protactinium 236
NT4 protactinium 237
NT4 protactinium 238
NT4 protactinium 239
NT4 radium 225
NT4 radium 227
NT4 radium 228
NT4 radium 229
NT4 radium 230
NT4 radium 231
NT4 radium 232
NT4 radon 221
NT4 radon 223
NT4 radon 224
NT4 radon 225
NT4 radon 226
NT4 radon 227
NT4 radon 228
NT4 rhenium 186
NT4 rhenium 187
NT4 rhenium 188
NT4 rhenium 189
NT4 rhenium 190
NT4 rhenium 191
NT4 rhenium 192
NT4 rhodium 102
NT4 rhodium 104
NT4 rhodium 105
NT4 rhodium 106
NT4 rhodium 107
NT4 rhodium 108
NT4 rhodium 109
NT4 rhodium 110
NT4 rhodium 111
NT4 rhodium 112
NT4 rhodium 113
NT4 rhodium 114
NT4 rhodium 115
NT4 rhodium 116
NT4 rhodium 117
NT4 rhodium 118
NT4 rubidium 100
NT4 rubidium 84
NT4 rubidium 86
NT4 rubidium 87
NT4 rubidium 88
NT4 rubidium 89
NT4 rubidium 90
NT4 rubidium 91
NT4 rubidium 92
NT4 rubidium 93
NT4 rubidium 94
NT4 rubidium 95
NT4 rubidium 96
NT4 rubidium 97
NT4 rubidium 98
NT4 rubidium 99
NT4 ruthenium 103
NT4 ruthenium 105
NT4 ruthenium 106
NT4 ruthenium 107
NT4 ruthenium 108
NT4 ruthenium 109
NT4 ruthenium 110
NT4 ruthenium 111
NT4 ruthenium 112
NT4 ruthenium 113
NT4 ruthenium 114
NT4 samarium 151
NT4 samarium 153
NT4 samarium 155
NT4 samarium 156
NT4 samarium 157
NT4 samarium 158
NT4 samarium 159
NT4 samarium 160
NT4 scandium 46
NT4 scandium 47
NT4 scandium 48
NT4 scandium 49
NT4 scandium 50
NT4 scandium 51
NT4 scandium 52
NT4 scandium 53
NT4 selenium 79
NT4 selenium 81
NT4 selenium 83
NT4 selenium 84
NT4 selenium 85
NT4 selenium 86
NT4 selenium 87
NT4 selenium 88
NT4 selenium 89
NT4 selenium 91
NT4 silicon 31
NT4 silicon 32
NT4 silicon 33
NT4 silicon 34
NT4 silicon 35
NT4 silicon 36
NT4 silicon 37
NT4 silicon 38
NT4 silicon 39
NT4 silver 108
NT4 silver 110
NT4 silver 111
NT4 silver 112
NT4 silver 113
NT4 silver 114
NT4 silver 115
NT4 silver 116
NT4 silver 117
NT4 silver 118
NT4 silver 119
NT4 silver 120
NT4 silver 121
NT4 silver 122
NT4 silver 123
NT4 sodium 24
NT4 sodium 25
NT4 sodium 26
NT4 sodium 27
NT4 sodium 28
NT4 sodium 29
NT4 sodium 30
NT4 sodium 31
NT4 sodium 32
NT4 sodium 33
NT4 sodium 34
NT4 sodium 35
NT4 strontium 100
NT4 strontium 101
NT4 strontium 102
NT4 strontium 89
NT4 strontium 90
NT4 strontium 91
NT4 strontium 92
NT4 strontium 93
NT4 strontium 94
NT4 strontium 95
NT4 strontium 96
NT4 strontium 97
NT4 strontium 98
NT4 strontium 99
NT4 sulfur 35
NT4 sulfur 37
NT4 sulfur 38
NT4 sulfur 39
NT4 sulfur 40
NT4 sulfur 43
NT4 tantalum 180
NT4 tantalum 182
NT4 tantalum 183
NT4 tantalum 184
NT4 tantalum 185
NT4 tantalum 186
NT4 technetium 100
NT4 technetium 101
NT4 technetium 102
NT4 technetium 103
NT4 technetium 104
NT4 technetium 105
NT4 technetium 106
NT4 technetium 107
NT4 technetium 108
NT4 technetium 109
NT4 technetium 110
NT4 technetium 111
NT4 technetium 112
NT4 technetium 113
NT4 technetium 98
NT4 technetium 99
NT4 tellurium 127
NT4 tellurium 129
NT4 tellurium 131
NT4 tellurium 132
NT4 tellurium 133
NT4 tellurium 134
NT4 tellurium 135
NT4 tellurium 136
NT4 tellurium 137
NT4 tellurium 138
NT4 terbium 156
NT4 terbium 158
NT4 terbium 160
NT4 terbium 161
NT4 terbium 162
NT4 terbium 163
NT4 terbium 164
NT4 terbium 165
NT4 terbium 166
NT4 thallium 204
NT4 thallium 206
NT4 thallium 207
NT4 thallium 208
NT4 thallium 209
NT4 thallium 210
NT4 thorium 231
NT4 thorium 233
NT4 thorium 234
NT4 thorium 235

NT4 thorium 236
NT4 thorium 237
NT4 thulium 168
NT4 thulium 170
NT4 thulium 171
NT4 thulium 172
NT4 thulium 173
NT4 thulium 174
NT4 thulium 175
NT4 thulium 176
NT4 thulium 177
NT4 tin 121
NT4 tin 123
NT4 tin 125
NT4 tin 126
NT4 tin 127
NT4 tin 128
NT4 tin 129
NT4 tin 130
NT4 tin 131
NT4 tin 132
NT4 tin 133
NT4 tin 134
NT4 titanium 51
NT4 titanium 52
NT4 titanium 53
NT4 titanium 54
NT4 titanium 55
NT4 titanium 56
NT4 tritium
NT4 tungsten 185
NT4 tungsten 187
NT4 tungsten 188
NT4 tungsten 189
NT4 uranium 237
NT4 uranium 239
NT4 uranium 240
NT4 uranium 242
NT4 vanadium 50
NT4 vanadium 52
NT4 vanadium 53
NT4 vanadium 54
NT4 vanadium 55
NT4 vanadium 56
NT4 vanadium 57
NT4 vanadium 58
NT4 xenon 133
NT4 xenon 135
NT4 xenon 137
NT4 xenon 138
NT4 xenon 139
NT4 xenon 140
NT4 xenon 141
NT4 xenon 142
NT4 xenon 143
NT4 xenon 144
NT4 xenon 145
NT4 ytterbium 175
NT4 ytterbium 177
NT4 ytterbium 178
NT4 ytterbium 179
NT4 ytterbium 180
NT4 yttrium 100
NT4 yttrium 101
NT4 yttrium 102
NT4 yttrium 103
NT4 yttrium 90
NT4 yttrium 91
NT4 yttrium 92
NT4 yttrium 93
NT4 yttrium 94
NT4 yttrium 95
NT4 yttrium 96
NT4 yttrium 97
NT4 yttrium 98
NT4 yttrium 99
NT4 zinc 69
NT4 zinc 71
NT4 zinc 72
NT4 zinc 73
NT4 zinc 74
NT4 zinc 75
NT4 zinc 76
NT4 zinc 77
NT4 zinc 78
NT4 zinc 79
NT4 zinc 80
NT4 zinc 81
NT4 zirconium 100
NT4 zirconium 101
NT4 zirconium 102
NT4 zirconium 103
NT4 zirconium 93
NT4 zirconium 95
NT4 zirconium 97
NT4 zirconium 98
NT4 zirconium 99
NT3 beta-plus decay radioisotopes
NT4 aluminium 22
NT4 aluminium 23
NT4 aluminium 24
NT4 aluminium 25
NT4 aluminium 26
NT4 americium 235
NT4 americium 236
NT4 antimony 104
NT4 antimony 105
NT4 antimony 108
NT4 antimony 110
NT4 antimony 111
NT4 antimony 112
NT4 antimony 113
NT4 antimony 114
NT4 antimony 115
NT4 antimony 116
NT4 antimony 117
NT4 antimony 118
NT4 antimony 120
NT4 antimony 122
NT4 argon 31
NT4 argon 32
NT4 argon 33
NT4 argon 34
NT4 argon 35
NT4 arsenic 66
NT4 arsenic 67
NT4 arsenic 68
NT4 arsenic 69
NT4 arsenic 70
NT4 arsenic 71
NT4 arsenic 72
NT4 arsenic 74
NT4 astatine 205
NT4 astatine 206
NT4 barium 114
NT4 barium 115
NT4 barium 116
NT4 barium 117
NT4 barium 118
NT4 barium 119
NT4 barium 120
NT4 barium 121
NT4 barium 122
NT4 barium 123
NT4 barium 124
NT4 barium 125
NT4 barium 126
NT4 barium 127
NT4 barium 129
NT4 bismuth 194
NT4 bismuth 197
NT4 bismuth 200
NT4 bismuth 202
NT4 bismuth 203
NT4 bismuth 205
NT4 bismuth 206
NT4 bismuth 207
NT4 boron 8
NT4 bromine 69
NT4 bromine 70
NT4 bromine 71
NT4 bromine 72
NT4 bromine 73
NT4 bromine 74
NT4 bromine 75
NT4 bromine 76
NT4 bromine 77
NT4 bromine 78
NT4 bromine 80
NT4 cadmium 100
NT4 cadmium 101
NT4 cadmium 102
NT4 cadmium 103
NT4 cadmium 104
NT4 cadmium 105
NT4 cadmium 107
NT4 cadmium 97
NT4 cadmium 98
NT4 cadmium 99
NT4 calcium 36
NT4 calcium 37
NT4 calcium 38
NT4 calcium 39
NT4 carbon 10
NT4 carbon 11
NT4 carbon 9
NT4 cerium 121
NT4 cerium 125
NT4 cerium 127
NT4 cerium 128
NT4 cerium 129
NT4 cerium 130
NT4 cerium 131
NT4 cerium 132
NT4 cerium 133
NT4 cerium 135
NT4 cerium 137
NT4 cesium 114
NT4 cesium 115
NT4 cesium 116
NT4 cesium 117
NT4 cesium 118
NT4 cesium 119
NT4 cesium 120
NT4 cesium 121
NT4 cesium 122
NT4 cesium 123
NT4 cesium 124
NT4 cesium 125
NT4 cesium 126
NT4 cesium 127
NT4 cesium 128
NT4 cesium 129
NT4 cesium 130
NT4 cesium 132
NT4 chlorine 31
NT4 chlorine 32
NT4 chlorine 33
NT4 chlorine 34
NT4 chlorine 36
NT4 chromium 42
NT4 chromium 45
NT4 chromium 46
NT4 chromium 47
NT4 chromium 49
NT4 cobalt 52
NT4 cobalt 53
NT4 cobalt 54
NT4 cobalt 55
NT4 cobalt 56
NT4 cobalt 58
NT4 copper 56
NT4 copper 57
NT4 copper 58
NT4 copper 59
NT4 copper 60
NT4 copper 61

NT4 copper 62
NT4 copper 64
NT4 curium 232
NT4 dysprosium 145
NT4 dysprosium 146
NT4 dysprosium 147
NT4 dysprosium 148
NT4 dysprosium 149
NT4 dysprosium 150
NT4 dysprosium 151
NT4 dysprosium 152
NT4 dysprosium 153
NT4 dysprosium 155
NT4 dysprosium 157
NT4 erbium 145
NT4 erbium 146
NT4 erbium 147
NT4 erbium 148
NT4 erbium 149
NT4 erbium 150
NT4 erbium 151
NT4 erbium 152
NT4 erbium 153
NT4 erbium 154
NT4 erbium 155
NT4 erbium 156
NT4 erbium 157
NT4 erbium 158
NT4 erbium 159
NT4 erbium 161
NT4 erbium 163
NT4 europium 134
NT4 europium 135
NT4 europium 136
NT4 europium 138
NT4 europium 139
NT4 europium 140
NT4 europium 141
NT4 europium 142
NT4 europium 143
NT4 europium 144
NT4 europium 145
NT4 europium 146
NT4 europium 147
NT4 europium 148
NT4 europium 150
NT4 europium 152
NT4 fluorine 17
NT4 fluorine 18
NT4 gadolinium 135
NT4 gadolinium 137
NT4 gadolinium 139
NT4 gadolinium 142
NT4 gadolinium 143
NT4 gadolinium 144
NT4 gadolinium 145
NT4 gadolinium 146
NT4 gadolinium 147
NT4 gallium 60
NT4 gallium 62
NT4 gallium 63
NT4 gallium 64
NT4 gallium 65
NT4 gallium 66
NT4 gallium 68
NT4 germanium 61
NT4 germanium 64
NT4 germanium 65
NT4 germanium 66
NT4 germanium 67
NT4 germanium 69
NT4 gold 182
NT4 gold 184
NT4 gold 185
NT4 gold 186
NT4 gold 187
NT4 gold 188
NT4 gold 189
NT4 gold 190
NT4 gold 192
NT4 gold 194
NT4 gold 196
NT4 hafnium 154
NT4 hafnium 155
NT4 hafnium 162
NT4 hafnium 163
NT4 hafnium 166
NT4 hafnium 167
NT4 hafnium 168
NT4 hafnium 169
NT4 holmium 145
NT4 holmium 146
NT4 holmium 147
NT4 holmium 148
NT4 holmium 149
NT4 holmium 150
NT4 holmium 151
NT4 holmium 152
NT4 holmium 153
NT4 holmium 154
NT4 holmium 155
NT4 holmium 156
NT4 holmium 157
NT4 holmium 158
NT4 holmium 160
NT4 holmium 162
NT4 indium 100
NT4 indium 103
NT4 indium 104
NT4 indium 105
NT4 indium 106
NT4 indium 107
NT4 indium 108
NT4 indium 109
NT4 indium 110
NT4 indium 112
NT4 indium 114
NT4 iodine 110
NT4 iodine 111
NT4 iodine 112
NT4 iodine 113
NT4 iodine 114
NT4 iodine 115
NT4 iodine 116
NT4 iodine 117
NT4 iodine 118
NT4 iodine 119
NT4 iodine 120
NT4 iodine 121
NT4 iodine 122
NT4 iodine 124
NT4 iodine 126
NT4 iodine 128
NT4 iridium 178
NT4 iridium 179
NT4 iridium 180
NT4 iridium 181
NT4 iridium 182
NT4 iridium 183
NT4 iridium 184
NT4 iridium 185
NT4 iridium 186
NT4 iridium 188
NT4 iridium 190
NT4 iron 45
NT4 iron 46
NT4 iron 49
NT4 iron 51
NT4 iron 52
NT4 iron 53
NT4 krypton 69
NT4 krypton 71
NT4 krypton 72
NT4 krypton 73
NT4 krypton 74
NT4 krypton 75
NT4 krypton 77
NT4 krypton 79
NT4 lanthanum 121
NT4 lanthanum 125
NT4 lanthanum 126
NT4 lanthanum 127
NT4 lanthanum 128
NT4 lanthanum 129
NT4 lanthanum 130
NT4 lanthanum 131
NT4 lanthanum 132
NT4 lanthanum 133
NT4 lanthanum 134
NT4 lanthanum 135
NT4 lanthanum 136
NT4 lead 187
NT4 lead 188
NT4 lead 189
NT4 lead 190
NT4 lead 191
NT4 lead 192
NT4 lead 193
NT4 lead 194
NT4 lead 195
NT4 lead 199
NT4 lead 201
NT4 lutetium 153
NT4 lutetium 161
NT4 lutetium 162
NT4 lutetium 163
NT4 lutetium 164
NT4 lutetium 165
NT4 lutetium 166
NT4 lutetium 167
NT4 lutetium 168
NT4 lutetium 169
NT4 lutetium 170
NT4 lutetium 171
NT4 lutetium 174
NT4 magnesium 20
NT4 magnesium 21
NT4 magnesium 22
NT4 magnesium 23
NT4 manganese 48
NT4 manganese 49
NT4 manganese 50
NT4 manganese 51
NT4 manganese 52
NT4 mercury 179
NT4 mercury 181
NT4 mercury 182
NT4 mercury 183
NT4 mercury 184
NT4 mercury 185
NT4 mercury 186
NT4 mercury 187
NT4 mercury 188
NT4 mercury 191
NT4 mercury 193
NT4 molybdenum 86
NT4 molybdenum 87
NT4 molybdenum 88
NT4 molybdenum 89
NT4 molybdenum 90
NT4 molybdenum 91
NT4 neodymium 127
NT4 neodymium 128
NT4 neodymium 129
NT4 neodymium 130
NT4 neodymium 131
NT4 neodymium 132
NT4 neodymium 133
NT4 neodymium 134
NT4 neodymium 135
NT4 neodymium 136
NT4 neodymium 137
NT4 neodymium 138
NT4 neodymium 139
NT4 neodymium 141
NT4 neon 17
NT4 neon 18

NT4 neon 19
NT4 neptunium 234
NT4 nickel 49
NT4 nickel 50
NT4 nickel 52
NT4 nickel 53
NT4 nickel 55
NT4 nickel 56
NT4 nickel 57
NT4 niobium 83
NT4 niobium 84
NT4 niobium 85
NT4 niobium 87
NT4 niobium 88
NT4 niobium 89
NT4 niobium 90
NT4 niobium 92
NT4 nitrogen 12
NT4 nitrogen 13
NT4 osmium 172
NT4 osmium 173
NT4 osmium 174
NT4 osmium 175
NT4 osmium 176
NT4 osmium 177
NT4 osmium 178
NT4 osmium 179
NT4 osmium 181
NT4 osmium 183
NT4 oxygen 13
NT4 oxygen 14
NT4 oxygen 15
NT4 palladium 101
NT4 palladium 93
NT4 palladium 94
NT4 palladium 95
NT4 palladium 97
NT4 palladium 98
NT4 palladium 99
NT4 phosphorus 26
NT4 phosphorus 28
NT4 phosphorus 29
NT4 phosphorus 30
NT4 platinum 174
NT4 platinum 182
NT4 platinum 183
NT4 platinum 184
NT4 platinum 185
NT4 platinum 187
NT4 platinum 189
NT4 polonium 198
NT4 polonium 199
NT4 polonium 200
NT4 polonium 201
NT4 polonium 202
NT4 polonium 203
NT4 polonium 205
NT4 polonium 207
NT4 potassium 35
NT4 potassium 36
NT4 potassium 37
NT4 potassium 38
NT4 potassium 40
NT4 praseodymium 126
NT4 praseodymium 127
NT4 praseodymium 129
NT4 praseodymium 130
NT4 praseodymium 131
NT4 praseodymium 132
NT4 praseodymium 133
NT4 praseodymium 134
NT4 praseodymium 135
NT4 praseodymium 136
NT4 praseodymium 137
NT4 praseodymium 138
NT4 praseodymium 139
NT4 praseodymium 140
NT4 promethium 132
NT4 promethium 133
NT4 promethium 134
NT4 promethium 135
NT4 promethium 136
NT4 promethium 137
NT4 promethium 138
NT4 promethium 139
NT4 promethium 140
NT4 promethium 141
NT4 promethium 142
NT4 protactinium 230
NT4 radon 207
NT4 radon 209
NT4 rhenium 165
NT4 rhenium 170
NT4 rhenium 171
NT4 rhenium 172
NT4 rhenium 174
NT4 rhenium 175
NT4 rhenium 176
NT4 rhenium 177
NT4 rhenium 178
NT4 rhenium 179
NT4 rhenium 180
NT4 rhenium 182
NT4 rhodium 100
NT4 rhodium 102
NT4 rhodium 92
NT4 rhodium 94
NT4 rhodium 95
NT4 rhodium 96
NT4 rhodium 97
NT4 rhodium 98
NT4 rhodium 99
NT4 rubidium 73
NT4 rubidium 74
NT4 rubidium 75
NT4 rubidium 76
NT4 rubidium 77
NT4 rubidium 78
NT4 rubidium 79
NT4 rubidium 80
NT4 rubidium 81
NT4 rubidium 82
NT4 rubidium 84
NT4 ruthenium 88
NT4 ruthenium 89
NT4 ruthenium 92
NT4 ruthenium 93
NT4 ruthenium 95
NT4 samarium 133
NT4 samarium 134
NT4 samarium 135
NT4 samarium 136
NT4 samarium 137
NT4 samarium 138
NT4 samarium 139
NT4 samarium 140
NT4 samarium 141
NT4 samarium 142
NT4 samarium 143
NT4 scandium 40
NT4 scandium 41
NT4 scandium 42
NT4 scandium 43
NT4 scandium 44
NT4 selenium 65
NT4 selenium 67
NT4 selenium 68
NT4 selenium 69
NT4 selenium 70
NT4 selenium 71
NT4 selenium 73
NT4 silicon 24
NT4 silicon 25
NT4 silicon 26
NT4 silicon 27
NT4 silver 100
NT4 silver 101
NT4 silver 102
NT4 silver 103
NT4 silver 104
NT4 silver 105
NT4 silver 106
NT4 silver 108
NT4 silver 94
NT4 silver 96
NT4 silver 98
NT4 silver 99
NT4 sodium 19
NT4 sodium 20
NT4 sodium 21
NT4 sodium 22
NT4 strontium 75
NT4 strontium 76
NT4 strontium 77
NT4 strontium 78
NT4 strontium 79
NT4 strontium 80
NT4 strontium 81
NT4 strontium 83
NT4 sulfur 28
NT4 sulfur 29
NT4 sulfur 30
NT4 sulfur 31
NT4 tantalum 165
NT4 tantalum 166
NT4 tantalum 167
NT4 tantalum 168
NT4 tantalum 169
NT4 tantalum 170
NT4 tantalum 171
NT4 tantalum 172
NT4 tantalum 173
NT4 tantalum 174
NT4 tantalum 175
NT4 tantalum 176
NT4 tantalum 177
NT4 tantalum 178
NT4 technetium 88
NT4 technetium 89
NT4 technetium 90
NT4 technetium 91
NT4 technetium 92
NT4 technetium 93
NT4 technetium 94
NT4 technetium 95
NT4 technetium 96
NT4 tellurium 107
NT4 tellurium 108
NT4 tellurium 109
NT4 tellurium 110
NT4 tellurium 111
NT4 tellurium 112
NT4 tellurium 113
NT4 tellurium 114
NT4 tellurium 115
NT4 tellurium 116
NT4 tellurium 117
NT4 tellurium 118
NT4 tellurium 119
NT4 tellurium 121
NT4 terbium 139
NT4 terbium 141
NT4 terbium 143
NT4 terbium 144
NT4 terbium 145
NT4 terbium 146
NT4 terbium 147
NT4 terbium 148
NT4 terbium 149
NT4 terbium 150
NT4 terbium 151
NT4 terbium 152
NT4 terbium 153
NT4 terbium 154
NT4 terbium 156
NT4 thallium 182
NT4 thallium 184

NT4 thallium 186
NT4 thallium 188
NT4 thallium 189
NT4 thallium 190
NT4 thallium 191
NT4 thallium 192
NT4 thallium 193
NT4 thallium 194
NT4 thallium 195
NT4 thallium 196
NT4 thallium 197
NT4 thallium 198
NT4 thallium 200
NT4 thulium 148
NT4 thulium 156
NT4 thulium 157
NT4 thulium 158
NT4 thulium 159
NT4 thulium 160
NT4 thulium 161
NT4 thulium 162
NT4 thulium 163
NT4 thulium 164
NT4 thulium 165
NT4 thulium 166
NT4 tin 100
NT4 tin 102
NT4 tin 103
NT4 tin 105
NT4 tin 106
NT4 tin 107
NT4 tin 108
NT4 tin 109
NT4 tin 111
NT4 titanium 39
NT4 titanium 40
NT4 titanium 41
NT4 titanium 42
NT4 titanium 43
NT4 titanium 45
NT4 tungsten 168
NT4 tungsten 169
NT4 tungsten 170
NT4 tungsten 171
NT4 tungsten 172
NT4 tungsten 173
NT4 tungsten 175
NT4 tungsten 177
NT4 tungsten 190
NT4 vanadium 42
NT4 vanadium 43
NT4 vanadium 44
NT4 vanadium 45
NT4 vanadium 46
NT4 vanadium 47
NT4 vanadium 48
NT4 xenon 110
NT4 xenon 111
NT4 xenon 112
NT4 xenon 113
NT4 xenon 114
NT4 xenon 115
NT4 xenon 116
NT4 xenon 117
NT4 xenon 118
NT4 xenon 119
NT4 xenon 120
NT4 xenon 121
NT4 xenon 122
NT4 xenon 123
NT4 xenon 125
NT4 ytterbium 153
NT4 ytterbium 158
NT4 ytterbium 160
NT4 ytterbium 161
NT4 ytterbium 162
NT4 ytterbium 163
NT4 ytterbium 165
NT4 ytterbium 167
NT4 yttrium 79
NT4 yttrium 80
NT4 yttrium 81
NT4 yttrium 82
NT4 yttrium 83
NT4 yttrium 84
NT4 yttrium 85
NT4 yttrium 86
NT4 yttrium 87
NT4 yttrium 88
NT4 zinc 57
NT4 zinc 59
NT4 zinc 60
NT4 zinc 61
NT4 zinc 62
NT4 zinc 63
NT4 zinc 65
NT4 zirconium 81
NT4 zirconium 82
NT4 zirconium 83
NT4 zirconium 84
NT4 zirconium 85
NT4 zirconium 87
NT4 zirconium 89
NT3 electron capture radioisotopes
NT4 actinium 214
NT4 actinium 215
NT4 actinium 222
NT4 actinium 223
NT4 actinium 224
NT4 actinium 226
NT4 americium 232
NT4 americium 233
NT4 americium 234
NT4 americium 235
NT4 americium 236
NT4 americium 237
NT4 americium 238
NT4 americium 239
NT4 americium 240
NT4 americium 242
NT4 americium 244
NT4 antimony 109
NT4 antimony 110
NT4 antimony 111
NT4 antimony 112
NT4 antimony 113
NT4 antimony 114
NT4 antimony 115
NT4 antimony 116
NT4 antimony 117
NT4 antimony 118
NT4 antimony 119
NT4 antimony 120
NT4 antimony 122
NT4 argon 37
NT4 arsenic 67
NT4 arsenic 70
NT4 arsenic 71
NT4 arsenic 72
NT4 arsenic 73
NT4 arsenic 74
NT4 astatine 195
NT4 astatine 197
NT4 astatine 199
NT4 astatine 200
NT4 astatine 201
NT4 astatine 202
NT4 astatine 203
NT4 astatine 204
NT4 astatine 205
NT4 astatine 206
NT4 astatine 207
NT4 astatine 208
NT4 astatine 209
NT4 astatine 210
NT4 astatine 211
NT4 barium 117
NT4 barium 119
NT4 barium 120
NT4 barium 121
NT4 barium 122
NT4 barium 123
NT4 barium 124
NT4 barium 125
NT4 barium 126
NT4 barium 127
NT4 barium 128
NT4 barium 129
NT4 barium 131
NT4 barium 133
NT4 berkelium 240
NT4 berkelium 242
NT4 berkelium 243
NT4 berkelium 244
NT4 berkelium 245
NT4 berkelium 246
NT4 berkelium 248
NT4 beryllium 7
NT4 bismuth 190
NT4 bismuth 191
NT4 bismuth 192
NT4 bismuth 193
NT4 bismuth 194
NT4 bismuth 195
NT4 bismuth 196
NT4 bismuth 197
NT4 bismuth 198
NT4 bismuth 199
NT4 bismuth 200
NT4 bismuth 201
NT4 bismuth 202
NT4 bismuth 203
NT4 bismuth 204
NT4 bismuth 205
NT4 bismuth 206
NT4 bismuth 207
NT4 bismuth 208
NT4 bromine 71
NT4 bromine 73
NT4 bromine 74
NT4 bromine 75
NT4 bromine 76
NT4 bromine 77
NT4 bromine 78
NT4 bromine 80
NT4 cadmium 100
NT4 cadmium 101
NT4 cadmium 102
NT4 cadmium 103
NT4 cadmium 104
NT4 cadmium 105
NT4 cadmium 107
NT4 cadmium 109
NT4 cadmium 96
NT4 cadmium 97
NT4 calcium 41
NT4 californium 241
NT4 californium 243
NT4 californium 245
NT4 californium 247
NT4 cerium 121
NT4 cerium 123
NT4 cerium 126
NT4 cerium 127
NT4 cerium 128
NT4 cerium 129
NT4 cerium 130
NT4 cerium 131
NT4 cerium 132
NT4 cerium 133
NT4 cerium 134
NT4 cerium 135
NT4 cerium 137
NT4 cerium 139
NT4 cesium 114
NT4 cesium 115
NT4 cesium 116

NT4 cesium 117
NT4 cesium 118
NT4 cesium 119
NT4 cesium 120
NT4 cesium 121
NT4 cesium 122
NT4 cesium 123
NT4 cesium 124
NT4 cesium 125
NT4 cesium 126
NT4 cesium 127
NT4 cesium 128
NT4 cesium 129
NT4 cesium 130
NT4 cesium 131
NT4 cesium 132
NT4 cesium 134
NT4 chlorine 36
NT4 chromium 48
NT4 chromium 49
NT4 chromium 51
NT4 cobalt 55
NT4 cobalt 56
NT4 cobalt 57
NT4 cobalt 58
NT4 copper 58
NT4 copper 60
NT4 copper 61
NT4 copper 62
NT4 copper 64
NT4 curium 232
NT4 curium 238
NT4 curium 239
NT4 curium 241
NT4 dysprosium 141
NT4 dysprosium 143
NT4 dysprosium 144
NT4 dysprosium 145
NT4 dysprosium 147
NT4 dysprosium 148
NT4 dysprosium 149
NT4 dysprosium 150
NT4 dysprosium 151
NT4 dysprosium 152
NT4 dysprosium 153
NT4 dysprosium 155
NT4 dysprosium 157
NT4 dysprosium 159
NT4 einsteinium 244
NT4 einsteinium 245
NT4 einsteinium 246
NT4 einsteinium 247
NT4 einsteinium 248
NT4 einsteinium 249
NT4 einsteinium 250
NT4 einsteinium 251
NT4 einsteinium 252
NT4 einsteinium 254
NT4 element 105 258
NT4 erbium 146
NT4 erbium 147
NT4 erbium 149
NT4 erbium 150
NT4 erbium 151
NT4 erbium 152
NT4 erbium 153
NT4 erbium 154
NT4 erbium 155
NT4 erbium 156
NT4 erbium 157
NT4 erbium 158
NT4 erbium 159
NT4 erbium 160
NT4 erbium 161
NT4 erbium 163
NT4 erbium 165
NT4 europium 139
NT4 europium 140
NT4 europium 141
NT4 europium 142
NT4 europium 143
NT4 europium 144
NT4 europium 145
NT4 europium 146
NT4 europium 147
NT4 europium 148
NT4 europium 149
NT4 europium 150
NT4 europium 152
NT4 europium 154
NT4 fermium 247
NT4 fermium 249
NT4 fermium 251
NT4 fermium 253
NT4 francium 204
NT4 francium 206
NT4 francium 207
NT4 francium 208
NT4 francium 209
NT4 francium 210
NT4 francium 211
NT4 francium 212
NT4 francium 213
NT4 gadolinium 135
NT4 gadolinium 141
NT4 gadolinium 143
NT4 gadolinium 144
NT4 gadolinium 145
NT4 gadolinium 146
NT4 gadolinium 147
NT4 gadolinium 149
NT4 gadolinium 151
NT4 gadolinium 153
NT4 gallium 62
NT4 gallium 63
NT4 gallium 64
NT4 gallium 65
NT4 gallium 66
NT4 gallium 67
NT4 gallium 68
NT4 gallium 70
NT4 germanium 64
NT4 germanium 65
NT4 germanium 66
NT4 germanium 67
NT4 germanium 68
NT4 germanium 69
NT4 germanium 71
NT4 gold 180
NT4 gold 181
NT4 gold 182
NT4 gold 183
NT4 gold 184
NT4 gold 185
NT4 gold 186
NT4 gold 187
NT4 gold 188
NT4 gold 189
NT4 gold 190
NT4 gold 191
NT4 gold 192
NT4 gold 193
NT4 gold 194
NT4 gold 195
NT4 gold 196
NT4 hafnium 154
NT4 hafnium 155
NT4 hafnium 157
NT4 hafnium 158
NT4 hafnium 159
NT4 hafnium 160
NT4 hafnium 162
NT4 hafnium 163
NT4 hafnium 166
NT4 hafnium 167
NT4 hafnium 168
NT4 hafnium 169
NT4 hafnium 170
NT4 hafnium 171
NT4 hafnium 172
NT4 hafnium 173
NT4 hafnium 175
NT4 holmium 145
NT4 holmium 147
NT4 holmium 149
NT4 holmium 150
NT4 holmium 151
NT4 holmium 152
NT4 holmium 153
NT4 holmium 154
NT4 holmium 155
NT4 holmium 156
NT4 holmium 157
NT4 holmium 158
NT4 holmium 159
NT4 holmium 160
NT4 holmium 161
NT4 holmium 162
NT4 holmium 163
NT4 holmium 164
NT4 indium 102
NT4 indium 103
NT4 indium 104
NT4 indium 105
NT4 indium 106
NT4 indium 107
NT4 indium 108
NT4 indium 109
NT4 indium 110
NT4 indium 111
NT4 indium 112
NT4 indium 114
NT4 iodine 110
NT4 iodine 111
NT4 iodine 112
NT4 iodine 113
NT4 iodine 114
NT4 iodine 115
NT4 iodine 116
NT4 iodine 117
NT4 iodine 118
NT4 iodine 119
NT4 iodine 120
NT4 iodine 121
NT4 iodine 122
NT4 iodine 123
NT4 iodine 124
NT4 iodine 125
NT4 iodine 126
NT4 iodine 128
NT4 iridium 178
NT4 iridium 179
NT4 iridium 180
NT4 iridium 181
NT4 iridium 182
NT4 iridium 183
NT4 iridium 184
NT4 iridium 185
NT4 iridium 186
NT4 iridium 187
NT4 iridium 188
NT4 iridium 189
NT4 iridium 190
NT4 iridium 192
NT4 iron 45
NT4 iron 52
NT4 iron 53
NT4 iron 55
NT4 krypton 69
NT4 krypton 71
NT4 krypton 72
NT4 krypton 73
NT4 krypton 74
NT4 krypton 75
NT4 krypton 76
NT4 krypton 77
NT4 krypton 79

NT4 krypton 81
NT4 lanthanum 120
NT4 lanthanum 121
NT4 lanthanum 122
NT4 lanthanum 123
NT4 lanthanum 124
NT4 lanthanum 125
NT4 lanthanum 126
NT4 lanthanum 127
NT4 lanthanum 128
NT4 lanthanum 129
NT4 lanthanum 130
NT4 lanthanum 131
NT4 lanthanum 132
NT4 lanthanum 133
NT4 lanthanum 134
NT4 lanthanum 135
NT4 lanthanum 136
NT4 lanthanum 137
NT4 lanthanum 138
NT4 lawrencium 254
NT4 lawrencium 255
NT4 lawrencium 256
NT4 lead 186
NT4 lead 187
NT4 lead 188
NT4 lead 189
NT4 lead 190
NT4 lead 191
NT4 lead 192
NT4 lead 193
NT4 lead 194
NT4 lead 195
NT4 lead 196
NT4 lead 197
NT4 lead 198
NT4 lead 199
NT4 lead 200
NT4 lead 201
NT4 lead 202
NT4 lead 203
NT4 lead 205
NT4 lutetium 153
NT4 lutetium 154
NT4 lutetium 155
NT4 lutetium 156
NT4 lutetium 157
NT4 lutetium 158
NT4 lutetium 159
NT4 lutetium 160
NT4 lutetium 161
NT4 lutetium 162
NT4 lutetium 163
NT4 lutetium 164
NT4 lutetium 165
NT4 lutetium 166
NT4 lutetium 167
NT4 lutetium 168
NT4 lutetium 169
NT4 lutetium 170
NT4 lutetium 171
NT4 lutetium 172
NT4 lutetium 173
NT4 lutetium 174
NT4 manganese 51
NT4 manganese 52
NT4 manganese 53
NT4 manganese 54
NT4 mendelevium 248
NT4 mendelevium 249
NT4 mendelevium 250
NT4 mendelevium 251
NT4 mendelevium 252
NT4 mendelevium 253
NT4 mendelevium 254
NT4 mendelevium 255
NT4 mendelevium 256
NT4 mendelevium 257
NT4 mendelevium 258
NT4 mercury 177
NT4 mercury 178
NT4 mercury 179
NT4 mercury 180
NT4 mercury 181
NT4 mercury 182
NT4 mercury 183
NT4 mercury 184
NT4 mercury 185
NT4 mercury 186
NT4 mercury 187
NT4 mercury 188
NT4 mercury 189
NT4 mercury 190
NT4 mercury 191
NT4 mercury 192
NT4 mercury 193
NT4 mercury 194
NT4 mercury 195
NT4 mercury 197
NT4 molybdenum 87
NT4 molybdenum 88
NT4 molybdenum 89
NT4 molybdenum 90
NT4 molybdenum 91
NT4 molybdenum 93
NT4 neodymium 129
NT4 neodymium 130
NT4 neodymium 132
NT4 neodymium 133
NT4 neodymium 134
NT4 neodymium 135
NT4 neodymium 136
NT4 neodymium 137
NT4 neodymium 138
NT4 neodymium 139
NT4 neodymium 140
NT4 neodymium 141
NT4 neptunium 230
NT4 neptunium 231
NT4 neptunium 232
NT4 neptunium 233
NT4 neptunium 234
NT4 neptunium 235
NT4 neptunium 236
NT4 nickel 56
NT4 nickel 57
NT4 nickel 59
NT4 niobium 84
NT4 niobium 85
NT4 niobium 86
NT4 niobium 87
NT4 niobium 88
NT4 niobium 90
NT4 niobium 91
NT4 niobium 92
NT4 nitrogen 13
NT4 nobelium 253
NT4 nobelium 254
NT4 nobelium 255
NT4 nobelium 259
NT4 osmium 166
NT4 osmium 167
NT4 osmium 168
NT4 osmium 169
NT4 osmium 170
NT4 osmium 171
NT4 osmium 172
NT4 osmium 173
NT4 osmium 174
NT4 osmium 175
NT4 osmium 176
NT4 osmium 177
NT4 osmium 178
NT4 osmium 179
NT4 osmium 180
NT4 osmium 181
NT4 osmium 182
NT4 osmium 183
NT4 osmium 185
NT4 palladium 100
NT4 palladium 101
NT4 palladium 103
NT4 palladium 94
NT4 palladium 95
NT4 palladium 96
NT4 palladium 97
NT4 palladium 98
NT4 palladium 99
NT4 platinum 173
NT4 platinum 174
NT4 platinum 175
NT4 platinum 176
NT4 platinum 177
NT4 platinum 178
NT4 platinum 179
NT4 platinum 180
NT4 platinum 181
NT4 platinum 182
NT4 platinum 183
NT4 platinum 184
NT4 platinum 185
NT4 platinum 186
NT4 platinum 187
NT4 platinum 188
NT4 platinum 189
NT4 platinum 191
NT4 platinum 193
NT4 plutonium 232
NT4 plutonium 233
NT4 plutonium 234
NT4 plutonium 235
NT4 plutonium 237
NT4 polonium 196
NT4 polonium 197
NT4 polonium 198
NT4 polonium 199
NT4 polonium 200
NT4 polonium 201
NT4 polonium 202
NT4 polonium 203
NT4 polonium 204
NT4 polonium 205
NT4 polonium 206
NT4 polonium 207
NT4 polonium 208
NT4 polonium 209
NT4 potassium 40
NT4 praseodymium 127
NT4 praseodymium 128
NT4 praseodymium 129
NT4 praseodymium 130
NT4 praseodymium 132
NT4 praseodymium 133
NT4 praseodymium 134
NT4 praseodymium 135
NT4 praseodymium 136
NT4 praseodymium 137
NT4 praseodymium 138
NT4 praseodymium 139
NT4 praseodymium 140
NT4 praseodymium 142
NT4 promethium 130
NT4 promethium 131
NT4 promethium 132
NT4 promethium 133
NT4 promethium 134
NT4 promethium 135
NT4 promethium 136
NT4 promethium 137
NT4 promethium 138
NT4 promethium 139
NT4 promethium 140
NT4 promethium 141
NT4 promethium 142
NT4 promethium 143
NT4 promethium 144
NT4 promethium 145

NT4 promethium 146
NT4 protactinium 226
NT4 protactinium 227
NT4 protactinium 228
NT4 protactinium 229
NT4 protactinium 230
NT4 radium 213
NT4 radium 214
NT4 radon 200
NT4 radon 201
NT4 radon 202
NT4 radon 203
NT4 radon 204
NT4 radon 205
NT4 radon 206
NT4 radon 207
NT4 radon 208
NT4 radon 209
NT4 radon 210
NT4 radon 211
NT4 rhenium 163
NT4 rhenium 164
NT4 rhenium 165
NT4 rhenium 168
NT4 rhenium 170
NT4 rhenium 171
NT4 rhenium 172
NT4 rhenium 173
NT4 rhenium 174
NT4 rhenium 175
NT4 rhenium 176
NT4 rhenium 177
NT4 rhenium 178
NT4 rhenium 179
NT4 rhenium 180
NT4 rhenium 181
NT4 rhenium 182
NT4 rhenium 183
NT4 rhenium 184
NT4 rhenium 186
NT4 rhodium 100
NT4 rhodium 101
NT4 rhodium 102
NT4 rhodium 104
NT4 rhodium 95
NT4 rhodium 96
NT4 rhodium 97
NT4 rhodium 98
NT4 rhodium 99
NT4 rubidium 76
NT4 rubidium 77
NT4 rubidium 78
NT4 rubidium 79
NT4 rubidium 81
NT4 rubidium 82
NT4 rubidium 83
NT4 rubidium 84
NT4 rubidium 86
NT4 ruthenium 90
NT4 ruthenium 92
NT4 ruthenium 93
NT4 ruthenium 94
NT4 ruthenium 95
NT4 ruthenium 97
NT4 samarium 133
NT4 samarium 134
NT4 samarium 135
NT4 samarium 136
NT4 samarium 137
NT4 samarium 138
NT4 samarium 139
NT4 samarium 140
NT4 samarium 141
NT4 samarium 142
NT4 samarium 143
NT4 samarium 145
NT4 scandium 44
NT4 selenium 69
NT4 selenium 70
NT4 selenium 71
NT4 selenium 72
NT4 selenium 73
NT4 selenium 75
NT4 silver 100
NT4 silver 101
NT4 silver 102
NT4 silver 103
NT4 silver 104
NT4 silver 105
NT4 silver 106
NT4 silver 108
NT4 silver 110
NT4 silver 95
NT4 silver 96
NT4 silver 97
NT4 silver 98
NT4 silver 99
NT4 strontium 76
NT4 strontium 78
NT4 strontium 79
NT4 strontium 80
NT4 strontium 81
NT4 strontium 82
NT4 strontium 83
NT4 strontium 85
NT4 strontium 87
NT4 tantalum 158
NT4 tantalum 159
NT4 tantalum 160
NT4 tantalum 165
NT4 tantalum 166
NT4 tantalum 167
NT4 tantalum 168
NT4 tantalum 169
NT4 tantalum 170
NT4 tantalum 171
NT4 tantalum 172
NT4 tantalum 173
NT4 tantalum 174
NT4 tantalum 175
NT4 tantalum 176
NT4 tantalum 177
NT4 tantalum 178
NT4 tantalum 179
NT4 tantalum 180
NT4 technetium 90
NT4 technetium 91
NT4 technetium 92
NT4 technetium 93
NT4 technetium 94
NT4 technetium 95
NT4 technetium 96
NT4 technetium 97
NT4 tellurium 107
NT4 tellurium 108
NT4 tellurium 109
NT4 tellurium 110
NT4 tellurium 111
NT4 tellurium 112
NT4 tellurium 113
NT4 tellurium 114
NT4 tellurium 115
NT4 tellurium 116
NT4 tellurium 117
NT4 tellurium 118
NT4 tellurium 119
NT4 tellurium 121
NT4 tellurium 123
NT4 terbium 139
NT4 terbium 141
NT4 terbium 143
NT4 terbium 144
NT4 terbium 146
NT4 terbium 147
NT4 terbium 148
NT4 terbium 149
NT4 terbium 150
NT4 terbium 151
NT4 terbium 152
NT4 terbium 153
NT4 terbium 154
NT4 terbium 155
NT4 terbium 156
NT4 terbium 157
NT4 terbium 158
NT4 thallium 184
NT4 thallium 186
NT4 thallium 187
NT4 thallium 188
NT4 thallium 189
NT4 thallium 190
NT4 thallium 191
NT4 thallium 192
NT4 thallium 193
NT4 thallium 194
NT4 thallium 195
NT4 thallium 196
NT4 thallium 197
NT4 thallium 198
NT4 thallium 199
NT4 thallium 200
NT4 thallium 201
NT4 thallium 202
NT4 thallium 204
NT4 thorium 225
NT4 thulium 148
NT4 thulium 152
NT4 thulium 153
NT4 thulium 154
NT4 thulium 155
NT4 thulium 156
NT4 thulium 157
NT4 thulium 158
NT4 thulium 159
NT4 thulium 160
NT4 thulium 161
NT4 thulium 162
NT4 thulium 163
NT4 thulium 164
NT4 thulium 165
NT4 thulium 166
NT4 thulium 167
NT4 thulium 168
NT4 thulium 170
NT4 tin 100
NT4 tin 102
NT4 tin 106
NT4 tin 107
NT4 tin 108
NT4 tin 109
NT4 tin 110
NT4 tin 111
NT4 tin 113
NT4 titanium 44
NT4 titanium 45
NT4 tungsten 161
NT4 tungsten 162
NT4 tungsten 163
NT4 tungsten 164
NT4 tungsten 165
NT4 tungsten 166
NT4 tungsten 168
NT4 tungsten 169
NT4 tungsten 170
NT4 tungsten 171
NT4 tungsten 172
NT4 tungsten 173
NT4 tungsten 174
NT4 tungsten 175
NT4 tungsten 176
NT4 tungsten 177
NT4 tungsten 178
NT4 tungsten 179
NT4 tungsten 181
NT4 uranium 228
NT4 uranium 229
NT4 uranium 231

NT4 vanadium 42
NT4 vanadium 45
NT4 vanadium 47
NT4 vanadium 48
NT4 vanadium 49
NT4 vanadium 50
NT4 xenon 110
NT4 xenon 111
NT4 xenon 112
NT4 xenon 113
NT4 xenon 114
NT4 xenon 115
NT4 xenon 116
NT4 xenon 117
NT4 xenon 118
NT4 xenon 119
NT4 xenon 120
NT4 xenon 121
NT4 xenon 122
NT4 xenon 123
NT4 xenon 125
NT4 xenon 127
NT4 ytterbium 153
NT4 ytterbium 155
NT4 ytterbium 156
NT4 ytterbium 157
NT4 ytterbium 158
NT4 ytterbium 159
NT4 ytterbium 160
NT4 ytterbium 161
NT4 ytterbium 162
NT4 ytterbium 163
NT4 ytterbium 164
NT4 ytterbium 165
NT4 ytterbium 166
NT4 ytterbium 167
NT4 ytterbium 169
NT4 yttrium 79
NT4 yttrium 80
NT4 yttrium 81
NT4 yttrium 83
NT4 yttrium 84
NT4 yttrium 85
NT4 yttrium 86
NT4 yttrium 87
NT4 yttrium 88
NT4 zinc 60
NT4 zinc 61
NT4 zinc 62
NT4 zinc 63
NT4 zinc 65
NT4 zirconium 84
NT4 zirconium 85
NT4 zirconium 86
NT4 zirconium 87
NT4 zirconium 88
NT4 zirconium 89
NT2 bone seekers
NT2 days living radioisotopes
NT3 actinium 225
NT3 actinium 226
NT3 americium 240
NT3 antimony 119
NT3 antimony 120
NT3 antimony 122
NT3 antimony 124
NT3 antimony 126
NT3 antimony 127
NT3 argon 37
NT3 arsenic 71
NT3 arsenic 72
NT3 arsenic 73
NT3 arsenic 74
NT3 arsenic 76
NT3 arsenic 77
NT3 barium 128
NT3 barium 131
NT3 barium 133
NT3 barium 135
NT3 barium 140
NT3 berkelium 245
NT3 berkelium 246
NT3 berkelium 249
NT3 beryllium 7
NT3 bismuth 205
NT3 bismuth 206
NT3 bismuth 210
NT3 bromine 77
NT3 bromine 82
NT3 cadmium 115
NT3 calcium 45
NT3 calcium 47
NT3 californium 246
NT3 californium 248
NT3 californium 253
NT3 californium 254
NT3 cerium 134
NT3 cerium 137
NT3 cerium 139
NT3 cerium 141
NT3 cerium 143
NT3 cerium 144
NT3 cesium 129
NT3 cesium 131
NT3 cesium 132
NT3 cesium 136
NT3 chromium 51
NT3 cobalt 56
NT3 cobalt 57
NT3 cobalt 58
NT3 copper 67
NT3 curium 240
NT3 curium 241
NT3 curium 242
NT3 dysprosium 159
NT3 dysprosium 166
NT3 einsteinium 251
NT3 einsteinium 253
NT3 einsteinium 254
NT3 einsteinium 255
NT3 erbium 160
NT3 erbium 169
NT3 erbium 172
NT3 europium 145
NT3 europium 146
NT3 europium 147
NT3 europium 148
NT3 europium 149
NT3 europium 156
NT3 fermium 252
NT3 fermium 253
NT3 fermium 257
NT3 gadolinium 146
NT3 gadolinium 147
NT3 gadolinium 149
NT3 gadolinium 151
NT3 gadolinium 153
NT3 gallium 67
NT3 germanium 68
NT3 germanium 69
NT3 germanium 71
NT3 gold 194
NT3 gold 195
NT3 gold 196
NT3 gold 198
NT3 gold 199
NT3 hafnium 175
NT3 hafnium 179
NT3 hafnium 181
NT3 holmium 166
NT3 indium 111
NT3 indium 114
NT3 iodine 124
NT3 iodine 125
NT3 iodine 126
NT3 iodine 131
NT3 iridium 188
NT3 iridium 189
NT3 iridium 190
NT3 iridium 192
NT3 iridium 193
NT3 iridium 194
NT3 iron 59
NT3 krypton 79
NT3 lanthanum 140
NT3 lead 203
NT3 lutetium 169
NT3 lutetium 170
NT3 lutetium 171
NT3 lutetium 172
NT3 lutetium 174
NT3 lutetium 177
NT3 manganese 52
NT3 manganese 54
NT3 mendelevium 258
NT3 mercury 195
NT3 mercury 197
NT3 mercury 203
NT3 molybdenum 99
NT3 neodymium 140
NT3 neodymium 147
NT3 neptunium 234
NT3 neptunium 238
NT3 neptunium 239
NT3 nickel 56
NT3 nickel 57
NT3 nickel 66
NT3 niobium 91
NT3 niobium 92
NT3 niobium 95
NT3 osmium 185
NT3 osmium 191
NT3 osmium 193
NT3 palladium 100
NT3 palladium 103
NT3 phosphorus 32
NT3 phosphorus 33
NT3 platinum 188
NT3 platinum 191
NT3 platinum 193
NT3 platinum 195
NT3 plutonium 237
NT3 plutonium 246
NT3 plutonium 247
NT3 polonium 206
NT3 polonium 210
NT3 praseodymium 143
NT3 promethium 143
NT3 promethium 148
NT3 promethium 149
NT3 promethium 151
NT3 protactinium 229
NT3 protactinium 230
NT3 protactinium 232
NT3 protactinium 233
NT3 radium 223
NT3 radium 224
NT3 radium 225
NT3 radon 222
NT3 rhenium 182
NT3 rhenium 183
NT3 rhenium 184
NT3 rhenium 186
NT3 rhenium 189
NT3 rhodium 101
NT3 rhodium 102
NT3 rhodium 105
NT3 rhodium 99
NT3 rubidium 83
NT3 rubidium 84
NT3 rubidium 86
NT3 ruthenium 103
NT3 ruthenium 97
NT3 samarium 145
NT3 samarium 153
NT3 scandium 44
NT3 scandium 46

NT3 hafnium 183
NT3 hafnium 184
NT3 holmium 160
NT3 holmium 161
NT3 holmium 162
NT3 holmium 167
NT3 indium 109
NT3 indium 110
NT3 indium 113
NT3 indium 115
NT3 indium 117
NT3 iodine 120
NT3 iodine 121
NT3 iodine 123
NT3 iodine 130
NT3 iodine 132
NT3 iodine 133
NT3 iodine 135
NT3 iridium 184
NT3 iridium 185
NT3 iridium 186
NT3 iridium 187
NT3 iridium 190
NT3 iridium 194
NT3 iridium 195
NT3 iridium 196
NT3 iron 52
NT3 krypton 76
NT3 krypton 77
NT3 krypton 83
NT3 krypton 85
NT3 krypton 87
NT3 krypton 88
NT3 lanthanum 132
NT3 lanthanum 133
NT3 lanthanum 135
NT3 lanthanum 141
NT3 lanthanum 142
NT3 lead 198
NT3 lead 199
NT3 lead 200
NT3 lead 201
NT3 lead 202
NT3 lead 204
NT3 lead 209
NT3 lead 212
NT3 lutetium 176
NT3 lutetium 179
NT3 magnesium 28
NT3 manganese 56
NT3 mendelevium 256
NT3 mendelevium 257
NT3 mendelevium 259
NT3 mercury 192
NT3 mercury 193
NT3 mercury 195
NT3 mercury 197
NT3 molybdenum 90
NT3 molybdenum 93
NT3 neodymium 138
NT3 neodymium 139
NT3 neodymium 141
NT3 neodymium 149
NT3 neptunium 236
NT3 neptunium 240
NT3 nickel 65
NT3 niobium 89
NT3 niobium 90
NT3 niobium 96
NT3 niobium 97
NT3 osmium 181
NT3 osmium 182
NT3 osmium 183
NT3 osmium 189
NT3 osmium 191
NT3 palladium 101
NT3 palladium 109
NT3 palladium 111
NT3 palladium 112
NT3 platinum 185
NT3 platinum 186
NT3 platinum 187
NT3 platinum 189
NT3 platinum 197
NT3 platinum 200
NT3 plutonium 234
NT3 plutonium 243
NT3 plutonium 245
NT3 polonium 204
NT3 polonium 205
NT3 polonium 207
NT3 potassium 42
NT3 potassium 43
NT3 praseodymium 137
NT3 praseodymium 138
NT3 praseodymium 139
NT3 praseodymium 142
NT3 praseodymium 145
NT3 promethium 150
NT3 protactinium 228
NT3 protactinium 234
NT3 radium 230
NT3 radon 210
NT3 radon 211
NT3 radon 224
NT3 rhenium 181
NT3 rhenium 182
NT3 rhenium 188
NT3 rhenium 190
NT3 rhodium 100
NT3 rhodium 106
NT3 rhodium 99
NT3 rubidium 81
NT3 rubidium 82
NT3 ruthenium 105
NT3 ruthenium 95
NT3 samarium 142
NT3 samarium 156
NT3 scandium 43
NT3 scandium 44
NT3 selenium 73
NT3 silicon 31
NT3 silver 103
NT3 silver 104
NT3 silver 112
NT3 silver 113
NT3 sodium 24
NT3 strontium 80
NT3 strontium 85
NT3 strontium 87
NT3 strontium 91
NT3 strontium 92
NT3 sulfur 38
NT3 tantalum 173
NT3 tantalum 174
NT3 tantalum 175
NT3 tantalum 176
NT3 tantalum 178
NT3 tantalum 180
NT3 tantalum 184
NT3 technetium 93
NT3 technetium 94
NT3 technetium 95
NT3 technetium 99
NT3 tellurium 116
NT3 tellurium 117
NT3 tellurium 119
NT3 tellurium 127
NT3 tellurium 129
NT3 terbium 147
NT3 terbium 148
NT3 terbium 149
NT3 terbium 150
NT3 terbium 151
NT3 terbium 152
NT3 terbium 154
NT3 terbium 156
NT3 thallium 195
NT3 thallium 196
NT3 thallium 197
NT3 thallium 198
NT3 thallium 199
NT3 thulium 163
NT3 thulium 166
NT3 thulium 173
NT3 tin 110
NT3 tin 127
NT3 titanium 45
NT3 tungsten 176
NT3 tungsten 177
NT3 uranium 240
NT3 xenon 122
NT3 xenon 123
NT3 xenon 125
NT3 xenon 135
NT3 ytterbium 164
NT3 ytterbium 177
NT3 ytterbium 178
NT3 yttrium 85
NT3 yttrium 86
NT3 yttrium 87
NT3 yttrium 90
NT3 yttrium 92
NT3 yttrium 93
NT3 zinc 62
NT3 zinc 69
NT3 zinc 71
NT3 zirconium 86
NT3 zirconium 87
NT3 zirconium 97
NT2 internal conversion radioisotopes
NT3 actinium 227
NT3 antimony 119
NT3 antimony 122
NT3 antimony 124
NT3 antimony 126
NT3 astatine 212
NT3 barium 131
NT3 barium 133
NT3 barium 135
NT3 berkelium 243
NT3 bromine 77
NT3 bromine 80
NT3 bromine 82
NT3 cadmium 111
NT3 cadmium 113
NT3 californium 247
NT3 californium 250
NT3 cerium 133
NT3 cerium 137
NT3 cesium 123
NT3 cesium 134
NT3 cesium 138
NT3 cobalt 58
NT3 cobalt 60
NT3 dysprosium 159
NT3 einsteinium 254
NT3 erbium 156
NT3 erbium 169
NT3 germanium 73
NT3 germanium 75
NT3 gold 191
NT3 gold 193
NT3 gold 195
NT3 gold 196
NT3 gold 197
NT3 hafnium 178
NT3 hafnium 179
NT3 hafnium 180
NT3 holmium 158
NT3 holmium 160
NT3 holmium 164
NT3 indium 112
NT3 indium 114
NT3 indium 115
NT3 indium 116
NT3 indium 121

NT3 iodine 125
NT3 iodine 129
NT3 iodine 130
NT3 iodine 132
NT3 iodine 133
NT3 iridium 190
NT3 iridium 191
NT3 iridium 192
NT3 iridium 193
NT3 krypton 79
NT3 krypton 83
NT3 lead 199
NT3 lead 202
NT3 lutetium 169
NT3 lutetium 170
NT3 lutetium 171
NT3 lutetium 172
NT3 lutetium 176
NT3 mercury 193
NT3 mercury 195
NT3 mercury 197
NT3 mercury 199
NT3 molybdenum 93
NT3 neodymium 147
NT3 neptunium 236
NT3 niobium 91
NT3 niobium 93
NT3 niobium 94
NT3 osmium 180
NT3 osmium 189
NT3 osmium 190
NT3 osmium 191
NT3 osmium 194
NT3 palladium 112
NT3 platinum 193
NT3 platinum 195
NT3 platinum 197
NT3 platinum 199
NT3 plutonium 235
NT3 plutonium 237
NT3 polonium 199
NT3 polonium 201
NT3 polonium 202
NT3 polonium 203
NT3 polonium 205
NT3 polonium 206
NT3 polonium 207
NT3 praseodymium 142
NT3 promethium 145
NT3 radium 213
NT3 radium 225
NT3 radium 228
NT3 radium 230
NT3 radon 210
NT3 radon 211
NT3 rhenium 183
NT3 rhenium 184
NT3 rhenium 188
NT3 rhenium 189
NT3 rhodium 100
NT3 rhodium 101
NT3 rhodium 103
NT3 rhodium 105
NT3 rhodium 96
NT3 rubidium 81
NT3 samarium 145
NT3 samarium 151
NT3 scandium 46
NT3 selenium 79
NT3 selenium 81
NT3 silver 103
NT3 silver 105
NT3 silver 107
NT3 silver 109
NT3 silver 111
NT3 silver 99
NT3 tantalum 182
NT3 technetium 96
NT3 technetium 97
NT3 technetium 99
NT3 tellurium 121
NT3 tellurium 123
NT3 tellurium 125
NT3 terbium 151
NT3 terbium 157
NT3 terbium 158
NT3 thallium 198
NT3 thorium 234
NT3 thulium 159
NT3 thulium 161
NT3 tin 113
NT3 tin 119
NT3 tin 121
NT3 tungsten 176
NT3 tungsten 181
NT3 tungsten 185
NT3 uranium 230
NT3 uranium 235
NT3 uranium 240
NT3 xenon 125
NT3 xenon 129
NT3 xenon 131
NT3 xenon 133
NT3 ytterbium 164
NT3 ytterbium 165
NT3 ytterbium 166
NT3 ytterbium 177
NT3 yttrium 86
NT2 isomeric transition isotopes
NT3 actinium 222
NT3 aluminium 24
NT3 americium 242
NT3 antimony 113
NT3 antimony 117
NT3 antimony 122
NT3 antimony 124
NT3 antimony 126
NT3 antimony 131
NT3 arsenic 75
NT3 astatine 202
NT3 barium 127
NT3 barium 131
NT3 barium 133
NT3 barium 135
NT3 barium 136
NT3 barium 137
NT3 barium 138
NT3 bismuth 198
NT3 bismuth 201
NT3 bismuth 208
NT3 bismuth 211
NT3 bromine 76
NT3 bromine 77
NT3 bromine 79
NT3 bromine 80
NT3 bromine 82
NT3 bromine 83
NT3 cadmium 100
NT3 cadmium 111
NT3 cadmium 113
NT3 cerium 135
NT3 cerium 137
NT3 cerium 138
NT3 cerium 139
NT3 cesium 121
NT3 cesium 123
NT3 cesium 134
NT3 cesium 135
NT3 cesium 136
NT3 cesium 138
NT3 chlorine 34
NT3 chlorine 38
NT3 cobalt 58
NT3 cobalt 60
NT3 copper 68
NT3 dysprosium 147
NT3 dysprosium 149
NT3 dysprosium 165
NT3 erbium 151
NT3 erbium 167
NT3 europium 141
NT3 europium 152
NT3 europium 154
NT3 fermium 250
NT3 fermium 256
NT3 fluorine 18
NT3 francium 206
NT3 francium 211
NT3 francium 212
NT3 francium 213
NT3 francium 218
NT3 gadolinium 141
NT3 gadolinium 145
NT3 gadolinium 147
NT3 gadolinium 148
NT3 gallium 72
NT3 gallium 74
NT3 germanium 71
NT3 germanium 73
NT3 germanium 75
NT3 germanium 77
NT3 gold 191
NT3 gold 193
NT3 gold 195
NT3 gold 196
NT3 gold 197
NT3 gold 198
NT3 gold 200
NT3 hafnium 156
NT3 hafnium 177
NT3 hafnium 178
NT3 hafnium 179
NT3 hafnium 180
NT3 hafnium 182
NT3 holmium 148
NT3 holmium 156
NT3 holmium 158
NT3 holmium 159
NT3 holmium 160
NT3 holmium 161
NT3 holmium 162
NT3 holmium 163
NT3 holmium 164
NT3 holmium 168
NT3 indium 104
NT3 indium 107
NT3 indium 109
NT3 indium 111
NT3 indium 112
NT3 indium 113
NT3 indium 114
NT3 indium 115
NT3 indium 116
NT3 indium 117
NT3 indium 118
NT3 indium 119
NT3 indium 121
NT3 iodine 116
NT3 iodine 121
NT3 iodine 122
NT3 iodine 130
NT3 iodine 132
NT3 iodine 133
NT3 iodine 134
NT3 iridium 190
NT3 iridium 191
NT3 iridium 192
NT3 iridium 193
NT3 iridium 194
NT3 iron 53
NT3 krypton 79
NT3 krypton 81
NT3 krypton 83
NT3 krypton 84
NT3 krypton 85
NT3 krypton 86
NT3 lanthanum 132

NT3 lead 194
NT3 lead 197
NT3 lead 199
NT3 lead 200
NT3 lead 201
NT3 lead 202
NT3 lead 203
NT3 lead 204
NT3 lead 205
NT3 lead 207
NT3 lutetium 153
NT3 lutetium 154
NT3 lutetium 161
NT3 lutetium 169
NT3 lutetium 170
NT3 lutetium 171
NT3 lutetium 172
NT3 lutetium 174
NT3 lutetium 177
NT3 manganese 60
NT3 mercury 193
NT3 mercury 195
NT3 mercury 197
NT3 mercury 199
NT3 mercury 201
NT3 molybdenum 89
NT3 molybdenum 91
NT3 molybdenum 92
NT3 molybdenum 93
NT3 molybdenum 94
NT3 neodymium 137
NT3 neodymium 139
NT3 neodymium 141
NT3 neptunium 237
NT3 niobium 86
NT3 niobium 90
NT3 niobium 91
NT3 niobium 93
NT3 niobium 94
NT3 niobium 95
NT3 niobium 97
NT3 nobelium 254
NT3 osmium 182
NT3 osmium 183
NT3 osmium 189
NT3 osmium 190
NT3 osmium 191
NT3 osmium 192
NT3 palladium 107
NT3 palladium 109
NT3 palladium 111
NT3 palladium 117
NT3 platinum 184
NT3 platinum 193
NT3 platinum 195
NT3 platinum 197
NT3 platinum 199
NT3 plutonium 237
NT3 polonium 201
NT3 polonium 203
NT3 polonium 207
NT3 polonium 210
NT3 potassium 40
NT3 praseodymium 142
NT3 praseodymium 144
NT3 promethium 148
NT3 protactinium 234
NT3 radium 213
NT3 radon 197
NT3 radon 210
NT3 radon 211
NT3 rhenium 167
NT3 rhenium 169
NT3 rhenium 184
NT3 rhenium 186
NT3 rhenium 188
NT3 rhenium 190
NT3 rhodium 100
NT3 rhodium 101
NT3 rhodium 103
NT3 rhodium 104
NT3 rhodium 105
NT3 rhodium 95
NT3 rhodium 96
NT3 rhodium 97
NT3 rubidium 76
NT3 rubidium 78
NT3 rubidium 81
NT3 rubidium 84
NT3 rubidium 85
NT3 rubidium 86
NT3 rubidium 90
NT3 ruthenium 93
NT3 samarium 139
NT3 samarium 141
NT3 samarium 143
NT3 scandium 44
NT3 scandium 46
NT3 scandium 50
NT3 selenium 73
NT3 selenium 77
NT3 selenium 79
NT3 selenium 81
NT3 silver 101
NT3 silver 102
NT3 silver 103
NT3 silver 105
NT3 silver 107
NT3 silver 108
NT3 silver 109
NT3 silver 110
NT3 silver 111
NT3 silver 113
NT3 silver 116
NT3 silver 118
NT3 silver 120
NT3 silver 99
NT3 sodium 22
NT3 sodium 24
NT3 strontium 83
NT3 strontium 85
NT3 strontium 87
NT3 tantalum 182
NT3 technetium 102
NT3 technetium 93
NT3 technetium 95
NT3 technetium 96
NT3 technetium 97
NT3 technetium 99
NT3 tellurium 121
NT3 tellurium 123
NT3 tellurium 125
NT3 tellurium 127
NT3 tellurium 129
NT3 tellurium 131
NT3 tellurium 133
NT3 terbium 144
NT3 terbium 146
NT3 terbium 151
NT3 terbium 152
NT3 terbium 154
NT3 terbium 156
NT3 terbium 158
NT3 thallium 179
NT3 thallium 185
NT3 thallium 186
NT3 thallium 187
NT3 thallium 193
NT3 thallium 195
NT3 thallium 196
NT3 thallium 197
NT3 thallium 198
NT3 thallium 201
NT3 thallium 206
NT3 thallium 207
NT3 thulium 150
NT3 thulium 162
NT3 thulium 164
NT3 tin 102
NT3 tin 113
NT3 tin 117
NT3 tin 119
NT3 tin 121
NT3 tin 129
NT3 tin 131
NT3 tungsten 179
NT3 tungsten 180
NT3 tungsten 183
NT3 tungsten 185
NT3 uranium 235
NT3 xenon 125
NT3 xenon 127
NT3 xenon 129
NT3 xenon 131
NT3 xenon 133
NT3 xenon 135
NT3 ytterbium 153
NT3 ytterbium 169
NT3 ytterbium 175
NT3 ytterbium 176
NT3 ytterbium 177
NT3 yttrium 86
NT3 yttrium 87
NT3 yttrium 88
NT3 yttrium 89
NT3 yttrium 90
NT3 yttrium 91
NT3 yttrium 93
NT3 yttrium 97
NT3 zinc 69
NT3 zirconium 85
NT3 zirconium 87
NT3 zirconium 89
NT3 zirconium 90
NT2 microseconds living radioisotopes
NT3 actinium 216
NT3 actinium 218
NT3 actinium 219
NT3 astatine 215
NT3 astatine 216
NT3 element 104 254
NT3 element 108 264
NT3 element 110 269
NT3 element 112 277
NT3 europium 130
NT3 fermium 242
NT3 fermium 258
NT3 francium 212
NT3 francium 213
NT3 francium 217
NT3 gold 170
NT3 gold 171
NT3 hafnium 156
NT3 iodine 109
NT3 iodine 116
NT3 iodine 121
NT3 iodine 122
NT3 krypton 84
NT3 krypton 85
NT3 lutetium 154
NT3 mercury 201
NT3 nobelium 250
NT3 polonium 188
NT3 polonium 213
NT3 polonium 214
NT3 protactinium 218
NT3 protactinium 221
NT3 radium 217
NT3 radium 218
NT3 radon 215
NT3 radon 216
NT3 radon 217
NT3 rubidium 76
NT3 tellurium 106
NT3 thorium 217
NT3 thorium 219
NT3 thorium 220

NT3 thulium 145
NT3 tin 102
NT3 uranium 219
NT3 uranium 222
NT3 uranium 223
NT3 uranium 224
NT3 ytterbium 153
NT2 milliseconds living radioisotopes
NT3 actinium 207
NT3 actinium 208
NT3 actinium 209
NT3 actinium 210
NT3 actinium 211
NT3 actinium 212
NT3 actinium 213
NT3 actinium 215
NT3 actinium 220
NT3 actinium 221
NT3 aluminium 22
NT3 aluminium 23
NT3 aluminium 24
NT3 aluminium 31
NT3 aluminium 32
NT3 aluminium 34
NT3 antimony 104
NT3 antimony 134
NT3 antimony 136
NT3 argon 31
NT3 argon 32
NT3 argon 33
NT3 argon 34
NT3 arsenic 64
NT3 arsenic 66
NT3 arsenic 75
NT3 arsenic 84
NT3 arsenic 86
NT3 arsenic 87
NT3 astatine 191
NT3 astatine 193
NT3 astatine 194
NT3 astatine 195
NT3 astatine 196
NT3 astatine 197
NT3 astatine 212
NT3 astatine 217
NT3 barium 114
NT3 barium 115
NT3 barium 116
NT3 barium 136
NT3 barium 147
NT3 barium 148
NT3 barium 149
NT3 beryllium 12
NT3 beryllium 14
NT3 bismuth 186
NT3 boron 12
NT3 boron 13
NT3 boron 14
NT3 boron 15
NT3 boron 17
NT3 boron 8
NT3 bromine 70
NT3 bromine 91
NT3 bromine 92
NT3 bromine 93
NT3 cadmium 125
NT3 cadmium 126
NT3 cadmium 127
NT3 cadmium 128
NT3 cadmium 130
NT3 cadmium 96
NT3 calcium 36
NT3 calcium 37
NT3 calcium 38
NT3 calcium 39
NT3 calcium 53
NT3 carbon 16
NT3 carbon 17
NT3 carbon 18
NT3 carbon 9
NT3 cesium 114
NT3 cesium 116
NT3 cesium 145
NT3 cesium 146
NT3 cesium 147
NT3 cesium 148
NT3 cesium 149
NT3 cesium 150
NT3 chlorine 31
NT3 chlorine 32
NT3 chromium 45
NT3 chromium 46
NT3 chromium 47
NT3 chromium 60
NT3 cobalt 52
NT3 cobalt 53
NT3 cobalt 54
NT3 cobalt 64
NT3 cobalt 66
NT3 cobalt 67
NT3 copper 56
NT3 copper 57
NT3 copper 76
NT3 copper 77
NT3 copper 78
NT3 copper 79
NT3 dysprosium 149
NT3 element 104 256
NT3 element 104 258
NT3 element 104 260
NT3 element 104 262
NT3 element 106 259
NT3 element 106 260
NT3 element 106 261
NT3 element 106 262
NT3 element 106 263
NT3 element 107 261
NT3 element 107 262
NT3 element 107 264
NT3 element 108 265
NT3 element 108 266
NT3 element 109 268
NT3 element 110 270
NT3 element 111 272
NT3 erbium 151
NT3 europium 131
NT3 europium 134
NT3 fermium 243
NT3 fermium 244
NT3 fluorine 24
NT3 francium 199
NT3 francium 200
NT3 francium 201
NT3 francium 202
NT3 francium 203
NT3 francium 206
NT3 francium 214
NT3 francium 218
NT3 francium 219
NT3 gallium 60
NT3 gallium 62
NT3 gallium 72
NT3 gallium 82
NT3 gallium 83
NT3 gallium 84
NT3 germanium 61
NT3 germanium 62
NT3 germanium 71
NT3 germanium 73
NT3 germanium 85
NT3 gold 172
NT3 gold 173
NT3 gold 174
NT3 gold 175
NT3 gold 191
NT3 hafnium 155
NT3 hafnium 156
NT3 hafnium 157
NT3 helium 6
NT3 helium 8
NT3 holmium 141
NT3 holmium 144
NT3 holmium 148
NT3 indium 114
NT3 indium 128
NT3 indium 129
NT3 indium 130
NT3 indium 131
NT3 indium 132
NT3 indium 133
NT3 indium 134
NT3 indium 135
NT3 iodine 108
NT3 iodine 110
NT3 iodine 140
NT3 iodine 141
NT3 iodine 142
NT3 iridium 166
NT3 iridium 167
NT3 iridium 169
NT3 iridium 194
NT3 iron 45
NT3 iron 46
NT3 iron 49
NT3 iron 51
NT3 krypton 71
NT3 krypton 94
NT3 krypton 95
NT3 lanthanum 150
NT3 lawrencium 257
NT3 lead 180
NT3 lead 182
NT3 lead 184
NT3 lead 205
NT3 lead 207
NT3 lithium 10
NT3 lithium 11
NT3 lithium 8
NT3 lithium 9
NT3 lutetium 151
NT3 lutetium 152
NT3 lutetium 153
NT3 lutetium 155
NT3 lutetium 156
NT3 lutetium 161
NT3 lutetium 170
NT3 magnesium 20
NT3 magnesium 21
NT3 magnesium 30
NT3 magnesium 31
NT3 manganese 48
NT3 manganese 49
NT3 manganese 50
NT3 manganese 61
NT3 manganese 62
NT3 manganese 63
NT3 mercury 175
NT3 mercury 176
NT3 mercury 177
NT3 mercury 178
NT3 molybdenum 109
NT3 molybdenum 89
NT3 neon 17
NT3 neon 25
NT3 neon 26
NT3 neptunium 226
NT3 neptunium 227
NT3 nickel 49
NT3 nickel 50
NT3 nickel 52
NT3 nickel 53
NT3 nickel 55
NT3 nickel 73
NT3 niobium 108
NT3 nitrogen 12
NT3 nitrogen 18
NT3 nitrogen 19

NT3 nobelium 251
NT3 nobelium 254
NT3 nobelium 258
NT3 osmium 162
NT3 osmium 164
NT3 osmium 165
NT3 osmium 166
NT3 osmium 167
NT3 oxygen 13
NT3 oxygen 24
NT3 palladium 117
NT3 palladium 119
NT3 palladium 120
NT3 phosphorus 26
NT3 phosphorus 27
NT3 phosphorus 28
NT3 phosphorus 38
NT3 platinum 169
NT3 platinum 170
NT3 platinum 171
NT3 platinum 172
NT3 platinum 173
NT3 platinum 174
NT3 platinum 184
NT3 plutonium 230
NT3 polonium 190
NT3 polonium 192
NT3 polonium 193
NT3 polonium 194
NT3 polonium 211
NT3 polonium 215
NT3 polonium 216
NT3 potassium 35
NT3 potassium 36
NT3 potassium 50
NT3 potassium 51
NT3 potassium 52
NT3 potassium 53
NT3 potassium 54
NT3 protactinium 212
NT3 protactinium 213
NT3 protactinium 214
NT3 protactinium 215
NT3 protactinium 216
NT3 protactinium 217
NT3 protactinium 222
NT3 protactinium 223
NT3 protactinium 224
NT3 radium 205
NT3 radium 206
NT3 radium 213
NT3 radium 215
NT3 radium 219
NT3 radium 220
NT3 radon 197
NT3 radon 199
NT3 radon 213
NT3 radon 218
NT3 rhenium 161
NT3 rhenium 162
NT3 rhenium 163
NT3 rhenium 164
NT3 rhodium 115
NT3 rhodium 116
NT3 rhodium 118
NT3 rubidium 100
NT3 rubidium 74
NT3 rubidium 95
NT3 rubidium 96
NT3 rubidium 97
NT3 rubidium 98
NT3 rubidium 99
NT3 ruthenium 114
NT3 scandium 40
NT3 scandium 41
NT3 scandium 42
NT3 scandium 50
NT3 selenium 65
NT3 selenium 66
NT3 selenium 67
NT3 selenium 89
NT3 selenium 91
NT3 silicon 24
NT3 silicon 25
NT3 silicon 35
NT3 silicon 36
NT3 silver 120
NT3 silver 121
NT3 silver 123
NT3 silver 94
NT3 silver 95
NT3 sodium 19
NT3 sodium 24
NT3 sodium 27
NT3 sodium 28
NT3 sodium 29
NT3 sodium 30
NT3 sodium 31
NT3 sodium 32
NT3 sodium 33
NT3 sodium 34
NT3 sodium 35
NT3 strontium 100
NT3 strontium 101
NT3 strontium 102
NT3 strontium 75
NT3 strontium 97
NT3 strontium 98
NT3 strontium 99
NT3 sulfur 28
NT3 sulfur 29
NT3 tantalum 156
NT3 tantalum 157
NT3 tantalum 158
NT3 tantalum 159
NT3 tantalum 182
NT3 technetium 110
NT3 technetium 111
NT3 technetium 112
NT3 technetium 113
NT3 tellurium 107
NT3 terbium 146
NT3 thallium 179
NT3 thallium 183
NT3 thorium 212
NT3 thorium 213
NT3 thorium 214
NT3 thorium 216
NT3 thorium 221
NT3 thorium 222
NT3 thorium 223
NT3 thulium 146
NT3 thulium 147
NT3 thulium 150
NT3 titanium 40
NT3 titanium 41
NT3 titanium 42
NT3 titanium 43
NT3 tungsten 159
NT3 tungsten 160
NT3 tungsten 161
NT3 uranium 218
NT3 uranium 225
NT3 uranium 226
NT3 vanadium 42
NT3 vanadium 44
NT3 vanadium 45
NT3 vanadium 46
NT3 xenon 110
NT3 xenon 111
NT3 xenon 143
NT3 xenon 145
NT3 ytterbium 154
NT3 ytterbium 175
NT3 yttrium 100
NT3 yttrium 101
NT3 yttrium 102
NT3 yttrium 103
NT3 yttrium 88
NT3 yttrium 93
NT3 yttrium 97
NT3 yttrium 98
NT3 zinc 57
NT3 zinc 59
NT3 zinc 80
NT3 zinc 81
NT3 zirconium 90
NT2 minutes living radioisotopes
NT3 actinium 222
NT3 actinium 223
NT3 actinium 230
NT3 actinium 231
NT3 actinium 232
NT3 actinium 233
NT3 aluminium 28
NT3 aluminium 29
NT3 americium 233
NT3 americium 234
NT3 americium 235
NT3 americium 236
NT3 americium 244
NT3 americium 246
NT3 americium 247
NT3 antimony 111
NT3 antimony 113
NT3 antimony 114
NT3 antimony 115
NT3 antimony 116
NT3 antimony 118
NT3 antimony 120
NT3 antimony 122
NT3 antimony 124
NT3 antimony 126
NT3 antimony 128
NT3 antimony 129
NT3 antimony 130
NT3 antimony 131
NT3 antimony 132
NT3 antimony 133
NT3 argon 43
NT3 argon 44
NT3 arsenic 68
NT3 arsenic 69
NT3 arsenic 70
NT3 arsenic 79
NT3 astatine 201
NT3 astatine 202
NT3 astatine 203
NT3 astatine 204
NT3 astatine 205
NT3 astatine 206
NT3 astatine 220
NT3 astatine 221
NT3 barium 122
NT3 barium 123
NT3 barium 124
NT3 barium 125
NT3 barium 127
NT3 barium 131
NT3 barium 137
NT3 barium 141
NT3 barium 142
NT3 berkelium 240
NT3 berkelium 242
NT3 berkelium 251
NT3 bismuth 193
NT3 bismuth 194
NT3 bismuth 195
NT3 bismuth 196
NT3 bismuth 197
NT3 bismuth 198
NT3 bismuth 199
NT3 bismuth 200
NT3 bismuth 201
NT3 bismuth 211
NT3 bismuth 212
NT3 bismuth 213

NT3 bismuth 214
NT3 bismuth 215
NT3 bismuth 216
NT3 bromine 72
NT3 bromine 73
NT3 bromine 74
NT3 bromine 77
NT3 bromine 78
NT3 bromine 80
NT3 bromine 82
NT3 bromine 84
NT3 bromine 85
NT3 cadmium 100
NT3 cadmium 101
NT3 cadmium 102
NT3 cadmium 103
NT3 cadmium 104
NT3 cadmium 105
NT3 cadmium 111
NT3 cadmium 118
NT3 cadmium 119
NT3 calcium 49
NT3 californium 240
NT3 californium 241
NT3 californium 242
NT3 californium 243
NT3 californium 244
NT3 californium 245
NT3 californium 256
NT3 carbon 11
NT3 cerium 128
NT3 cerium 129
NT3 cerium 130
NT3 cerium 131
NT3 cerium 145
NT3 cerium 146
NT3 cesium 120
NT3 cesium 121
NT3 cesium 122
NT3 cesium 123
NT3 cesium 125
NT3 cesium 126
NT3 cesium 128
NT3 cesium 130
NT3 cesium 135
NT3 cesium 138
NT3 cesium 139
NT3 cesium 140
NT3 chlorine 34
NT3 chlorine 38
NT3 chlorine 39
NT3 chlorine 40
NT3 chromium 49
NT3 chromium 55
NT3 chromium 56
NT3 cobalt 54
NT3 cobalt 60
NT3 cobalt 62
NT3 copper 59
NT3 copper 60
NT3 copper 62
NT3 copper 66
NT3 copper 68
NT3 copper 69
NT3 curium 236
NT3 curium 237
NT3 curium 251
NT3 dysprosium 147
NT3 dysprosium 148
NT3 dysprosium 149
NT3 dysprosium 150
NT3 dysprosium 151
NT3 dysprosium 165
NT3 dysprosium 167
NT3 dysprosium 168
NT3 einsteinium 245
NT3 einsteinium 246
NT3 einsteinium 247
NT3 einsteinium 248
NT3 einsteinium 256
NT3 element 104 261
NT3 element 104 263
NT3 element 112 283
NT3 erbium 154
NT3 erbium 155
NT3 erbium 156
NT3 erbium 157
NT3 erbium 159
NT3 erbium 173
NT3 erbium 174
NT3 europium 142
NT3 europium 143
NT3 europium 154
NT3 europium 158
NT3 europium 159
NT3 fermium 249
NT3 fermium 250
NT3 fluorine 17
NT3 francium 210
NT3 francium 211
NT3 francium 212
NT3 francium 221
NT3 francium 222
NT3 francium 223
NT3 francium 224
NT3 francium 225
NT3 francium 227
NT3 gadolinium 142
NT3 gadolinium 143
NT3 gadolinium 144
NT3 gadolinium 145
NT3 gadolinium 161
NT3 gadolinium 162
NT3 gadolinium 163
NT3 gallium 64
NT3 gallium 65
NT3 gallium 70
NT3 gallium 74
NT3 gallium 75
NT3 germanium 64
NT3 germanium 67
NT3 gold 185
NT3 gold 186
NT3 gold 187
NT3 gold 188
NT3 gold 189
NT3 gold 190
NT3 gold 200
NT3 gold 201
NT3 hafnium 164
NT3 hafnium 165
NT3 hafnium 166
NT3 hafnium 167
NT3 hafnium 168
NT3 hafnium 169
NT3 hafnium 177
NT3 holmium 150
NT3 holmium 152
NT3 holmium 153
NT3 holmium 154
NT3 holmium 155
NT3 holmium 156
NT3 holmium 157
NT3 holmium 158
NT3 holmium 159
NT3 holmium 160
NT3 holmium 162
NT3 holmium 164
NT3 holmium 168
NT3 holmium 169
NT3 holmium 170
NT3 indium 103
NT3 indium 104
NT3 indium 105
NT3 indium 106
NT3 indium 107
NT3 indium 108
NT3 indium 109
NT3 indium 111
NT3 indium 112
NT3 indium 114
NT3 indium 116
NT3 indium 117
NT3 indium 118
NT3 indium 119
NT3 indium 121
NT3 iodine 115
NT3 iodine 117
NT3 iodine 118
NT3 iodine 119
NT3 iodine 120
NT3 iodine 122
NT3 iodine 128
NT3 iodine 130
NT3 iodine 134
NT3 iodine 136
NT3 iridium 179
NT3 iridium 180
NT3 iridium 181
NT3 iridium 182
NT3 iridium 183
NT3 iridium 192
NT3 iridium 197
NT3 iron 53
NT3 iron 61
NT3 iron 62
NT3 krypton 74
NT3 krypton 75
NT3 krypton 89
NT3 lanthanum 125
NT3 lanthanum 126
NT3 lanthanum 127
NT3 lanthanum 128
NT3 lanthanum 129
NT3 lanthanum 130
NT3 lanthanum 131
NT3 lanthanum 132
NT3 lanthanum 134
NT3 lanthanum 136
NT3 lanthanum 143
NT3 lawrencium 260
NT3 lead 190
NT3 lead 191
NT3 lead 192
NT3 lead 193
NT3 lead 194
NT3 lead 195
NT3 lead 196
NT3 lead 197
NT3 lead 199
NT3 lead 201
NT3 lead 211
NT3 lead 213
NT3 lead 214
NT3 lutetium 161
NT3 lutetium 162
NT3 lutetium 163
NT3 lutetium 164
NT3 lutetium 165
NT3 lutetium 166
NT3 lutetium 167
NT3 lutetium 168
NT3 lutetium 169
NT3 lutetium 171
NT3 lutetium 172
NT3 lutetium 178
NT3 lutetium 180
NT3 lutetium 181
NT3 lutetium 182
NT3 lutetium 187
NT3 magnesium 27
NT3 manganese 50
NT3 manganese 51
NT3 manganese 52
NT3 manganese 57
NT3 manganese 58
NT3 mendelevium 251

NT3 mendelevium 252
NT3 mendelevium 253
NT3 mendelevium 254
NT3 mendelevium 255
NT3 mendelevium 258
NT3 mercury 186
NT3 mercury 187
NT3 mercury 188
NT3 mercury 189
NT3 mercury 190
NT3 mercury 191
NT3 mercury 199
NT3 mercury 205
NT3 mercury 206
NT3 molybdenum 101
NT3 molybdenum 102
NT3 molybdenum 103
NT3 molybdenum 104
NT3 molybdenum 88
NT3 molybdenum 89
NT3 molybdenum 91
NT3 neodymium 132
NT3 neodymium 133
NT3 neodymium 134
NT3 neodymium 135
NT3 neodymium 136
NT3 neodymium 137
NT3 neodymium 139
NT3 neodymium 141
NT3 neodymium 151
NT3 neodymium 152
NT3 neon 24
NT3 neptunium 229
NT3 neptunium 230
NT3 neptunium 231
NT3 neptunium 232
NT3 neptunium 233
NT3 neptunium 240
NT3 neptunium 241
NT3 neptunium 242
NT3 neptunium 243
NT3 neptunium 244
NT3 niobium 85
NT3 niobium 86
NT3 niobium 87
NT3 niobium 88
NT3 niobium 94
NT3 niobium 98
NT3 niobium 99
NT3 nitrogen 13
NT3 nobelium 253
NT3 nobelium 255
NT3 nobelium 259
NT3 osmium 175
NT3 osmium 176
NT3 osmium 177
NT3 osmium 178
NT3 osmium 179
NT3 osmium 180
NT3 osmium 181
NT3 osmium 190
NT3 osmium 195
NT3 osmium 196
NT3 oxygen 14
NT3 oxygen 15
NT3 palladium 109
NT3 palladium 111
NT3 palladium 113
NT3 palladium 114
NT3 palladium 96
NT3 palladium 97
NT3 palladium 98
NT3 palladium 99
NT3 phosphorus 30
NT3 platinum 182
NT3 platinum 183
NT3 platinum 184
NT3 platinum 185
NT3 platinum 199
NT3 platinum 201
NT3 plutonium 232
NT3 plutonium 233
NT3 plutonium 235
NT3 polonium 198
NT3 polonium 199
NT3 polonium 200
NT3 polonium 201
NT3 polonium 202
NT3 polonium 203
NT3 polonium 218
NT3 potassium 38
NT3 potassium 44
NT3 potassium 45
NT3 potassium 46
NT3 praseodymium 131
NT3 praseodymium 132
NT3 praseodymium 133
NT3 praseodymium 134
NT3 praseodymium 135
NT3 praseodymium 136
NT3 praseodymium 138
NT3 praseodymium 140
NT3 praseodymium 142
NT3 praseodymium 144
NT3 praseodymium 146
NT3 praseodymium 147
NT3 praseodymium 148
NT3 praseodymium 149
NT3 promethium 136
NT3 promethium 137
NT3 promethium 138
NT3 promethium 139
NT3 promethium 140
NT3 promethium 141
NT3 promethium 152
NT3 promethium 153
NT3 promethium 154
NT3 protactinium 226
NT3 protactinium 227
NT3 protactinium 234
NT3 protactinium 235
NT3 protactinium 236
NT3 protactinium 237
NT3 protactinium 238
NT3 radium 213
NT3 radium 227
NT3 radium 229
NT3 radium 231
NT3 radium 232
NT3 radon 204
NT3 radon 205
NT3 radon 206
NT3 radon 207
NT3 radon 208
NT3 radon 209
NT3 radon 212
NT3 radon 221
NT3 radon 223
NT3 radon 225
NT3 radon 226
NT3 rhenium 173
NT3 rhenium 174
NT3 rhenium 175
NT3 rhenium 176
NT3 rhenium 177
NT3 rhenium 178
NT3 rhenium 179
NT3 rhenium 180
NT3 rhenium 188
NT3 rhenium 190
NT3 rhenium 191
NT3 rhodium 100
NT3 rhodium 103
NT3 rhodium 104
NT3 rhodium 107
NT3 rhodium 108
NT3 rhodium 109
NT3 rhodium 94
NT3 rhodium 95
NT3 rhodium 96
NT3 rhodium 97
NT3 rhodium 98
NT3 rubidium 77
NT3 rubidium 78
NT3 rubidium 79
NT3 rubidium 81
NT3 rubidium 82
NT3 rubidium 84
NT3 rubidium 86
NT3 rubidium 88
NT3 rubidium 89
NT3 rubidium 90
NT3 ruthenium 107
NT3 ruthenium 108
NT3 ruthenium 92
NT3 ruthenium 93
NT3 ruthenium 94
NT3 samarium 138
NT3 samarium 139
NT3 samarium 140
NT3 samarium 141
NT3 samarium 143
NT3 samarium 155
NT3 samarium 157
NT3 samarium 158
NT3 scandium 49
NT3 scandium 50
NT3 selenium 68
NT3 selenium 70
NT3 selenium 71
NT3 selenium 73
NT3 selenium 79
NT3 selenium 81
NT3 selenium 83
NT3 selenium 84
NT3 silver 100
NT3 silver 101
NT3 silver 102
NT3 silver 104
NT3 silver 105
NT3 silver 106
NT3 silver 108
NT3 silver 111
NT3 silver 113
NT3 silver 115
NT3 silver 116
NT3 silver 117
NT3 silver 99
NT3 strontium 78
NT3 strontium 79
NT3 strontium 81
NT3 strontium 93
NT3 strontium 94
NT3 sulfur 37
NT3 tantalum 167
NT3 tantalum 168
NT3 tantalum 169
NT3 tantalum 170
NT3 tantalum 171
NT3 tantalum 172
NT3 tantalum 178
NT3 tantalum 182
NT3 tantalum 185
NT3 tantalum 186
NT3 technetium 101
NT3 technetium 102
NT3 technetium 104
NT3 technetium 105
NT3 technetium 91
NT3 technetium 92
NT3 technetium 93
NT3 technetium 94
NT3 technetium 96
NT3 tellurium 112
NT3 tellurium 113
NT3 tellurium 114
NT3 tellurium 115

NT3 tellurium 131
NT3 tellurium 133
NT3 tellurium 134
NT3 terbium 147
NT3 terbium 148
NT3 terbium 149
NT3 terbium 150
NT3 terbium 152
NT3 terbium 162
NT3 terbium 163
NT3 terbium 164
NT3 terbium 165
NT3 thallium 188
NT3 thallium 189
NT3 thallium 190
NT3 thallium 191
NT3 thallium 192
NT3 thallium 193
NT3 thallium 194
NT3 thallium 206
NT3 thallium 207
NT3 thallium 208
NT3 thallium 209
NT3 thallium 210
NT3 thorium 225
NT3 thorium 226
NT3 thorium 233
NT3 thorium 235
NT3 thorium 236
NT3 thorium 237
NT3 thulium 156
NT3 thulium 157
NT3 thulium 158
NT3 thulium 159
NT3 thulium 160
NT3 thulium 161
NT3 thulium 162
NT3 thulium 164
NT3 thulium 174
NT3 thulium 175
NT3 thulium 176
NT3 thulium 177
NT3 tin 106
NT3 tin 107
NT3 tin 108
NT3 tin 109
NT3 tin 111
NT3 tin 113
NT3 tin 123
NT3 tin 125
NT3 tin 127
NT3 tin 128
NT3 tin 129
NT3 tin 130
NT3 tin 131
NT3 titanium 51
NT3 titanium 52
NT3 tungsten 170
NT3 tungsten 171
NT3 tungsten 172
NT3 tungsten 173
NT3 tungsten 174
NT3 tungsten 175
NT3 tungsten 179
NT3 tungsten 185
NT3 tungsten 189
NT3 tungsten 190
NT3 uranium 227
NT3 uranium 228
NT3 uranium 229
NT3 uranium 235
NT3 uranium 239
NT3 uranium 242
NT3 vanadium 47
NT3 vanadium 52
NT3 vanadium 53
NT3 xenon 117
NT3 xenon 118
NT3 xenon 119
NT3 xenon 120
NT3 xenon 121
NT3 xenon 127
NT3 xenon 135
NT3 xenon 137
NT3 xenon 138
NT3 ytterbium 158
NT3 ytterbium 159
NT3 ytterbium 160
NT3 ytterbium 161
NT3 ytterbium 162
NT3 ytterbium 163
NT3 ytterbium 165
NT3 ytterbium 167
NT3 ytterbium 179
NT3 ytterbium 180
NT3 yttrium 81
NT3 yttrium 83
NT3 yttrium 84
NT3 yttrium 86
NT3 yttrium 91
NT3 yttrium 94
NT3 yttrium 95
NT3 zinc 60
NT3 zinc 61
NT3 zinc 63
NT3 zinc 69
NT3 zinc 71
NT3 zinc 74
NT3 zirconium 81
NT3 zirconium 82
NT3 zirconium 84
NT3 zirconium 85
NT3 zirconium 89
NT2 nanoseconds living radioisotopes
NT3 actinium 217
NT3 antimony 113
NT3 antimony 117
NT3 astatine 213
NT3 astatine 214
NT3 barium 138
NT3 bismuth 211
NT3 bromine 83
NT3 cesium 113
NT3 fermium 256
NT3 fluorine 18
NT3 francium 211
NT3 francium 212
NT3 francium 213
NT3 francium 215
NT3 francium 216
NT3 gadolinium 147
NT3 gadolinium 148
NT3 krypton 86
NT3 krypton 97
NT3 lead 194
NT3 lead 200
NT3 molybdenum 92
NT3 molybdenum 94
NT3 neptunium 237
NT3 osmium 182
NT3 phosphorus 25
NT3 plutonium 237
NT3 polonium 210
NT3 polonium 212
NT3 potassium 40
NT3 protactinium 219
NT3 protactinium 220
NT3 radium 216
NT3 radon 210
NT3 radon 211
NT3 radon 214
NT3 rubidium 85
NT3 sodium 22
NT3 thorium 218
NT2 neutron-deficient isotopes
NT2 proton decay radioisotopes
NT3 arsenic 64
NT3 cesium 113
NT3 cobalt 52
NT3 cobalt 53
NT3 europium 130
NT3 europium 131
NT3 fluorine 14
NT3 germanium 62
NT3 gold 170
NT3 gold 171
NT3 holmium 141
NT3 iodine 109
NT3 lutetium 151
NT3 scandium 39
NT3 selenium 66
NT3 thulium 145
NT3 thulium 146
NT3 thulium 147
NT2 seconds living radioisotopes
NT3 actinium 214
NT3 actinium 222
NT3 actinium 234
NT3 aluminium 24
NT3 aluminium 25
NT3 aluminium 26
NT3 aluminium 30
NT3 americium 232
NT3 antimony 105
NT3 antimony 106
NT3 antimony 108
NT3 antimony 109
NT3 antimony 110
NT3 antimony 112
NT3 antimony 126
NT3 antimony 134
NT3 antimony 135
NT3 argon 35
NT3 argon 45
NT3 argon 46
NT3 arsenic 67
NT3 arsenic 80
NT3 arsenic 81
NT3 arsenic 82
NT3 arsenic 83
NT3 arsenic 84
NT3 arsenic 85
NT3 astatine 198
NT3 astatine 199
NT3 astatine 200
NT3 astatine 202
NT3 astatine 218
NT3 astatine 219
NT3 astatine 222
NT3 astatine 223
NT3 barium 117
NT3 barium 118
NT3 barium 119
NT3 barium 120
NT3 barium 121
NT3 barium 127
NT3 barium 143
NT3 barium 144
NT3 barium 145
NT3 barium 146
NT3 beryllium 11
NT3 bismuth 189
NT3 bismuth 190
NT3 bismuth 191
NT3 bismuth 192
NT3 bismuth 193
NT3 bismuth 198
NT3 bromine 71
NT3 bromine 76
NT3 bromine 79
NT3 bromine 86
NT3 bromine 87
NT3 bromine 88
NT3 bromine 89
NT3 bromine 90
NT3 cadmium 120
NT3 cadmium 121

NT3 cadmium 122
NT3 cadmium 123
NT3 cadmium 124
NT3 cadmium 97
NT3 cadmium 98
NT3 cadmium 99
NT3 calcium 50
NT3 calcium 51
NT3 calcium 52
NT3 californium 239
NT3 carbon 10
NT3 carbon 15
NT3 cerium 121
NT3 cerium 123
NT3 cerium 124
NT3 cerium 125
NT3 cerium 126
NT3 cerium 127
NT3 cerium 135
NT3 cerium 139
NT3 cerium 147
NT3 cerium 148
NT3 cerium 149
NT3 cerium 150
NT3 cerium 151
NT3 cerium 152
NT3 cesium 115
NT3 cesium 116
NT3 cesium 117
NT3 cesium 118
NT3 cesium 119
NT3 cesium 122
NT3 cesium 123
NT3 cesium 124
NT3 cesium 136
NT3 cesium 141
NT3 cesium 142
NT3 cesium 143
NT3 cesium 144
NT3 chlorine 33
NT3 chlorine 34
NT3 chlorine 38
NT3 chlorine 41
NT3 chromium 57
NT3 chromium 58
NT3 chromium 59
NT3 cobalt 63
NT3 cobalt 65
NT3 copper 58
NT3 copper 68
NT3 copper 70
NT3 copper 71
NT3 copper 72
NT3 copper 73
NT3 copper 74
NT3 copper 75
NT3 dysprosium 141
NT3 dysprosium 142
NT3 dysprosium 143
NT3 dysprosium 144
NT3 dysprosium 145
NT3 dysprosium 146
NT3 dysprosium 147
NT3 dysprosium 169
NT3 einsteinium 243
NT3 einsteinium 244
NT3 element 104 253
NT3 element 104 255
NT3 element 104 257
NT3 element 104 259
NT3 element 105 255
NT3 element 105 256
NT3 element 105 257
NT3 element 105 258
NT3 element 105 259
NT3 element 105 260
NT3 element 105 261
NT3 element 105 262
NT3 element 105 263
NT3 element 106 265
NT3 element 106 266
NT3 element 108 270
NT3 element 109 266
NT3 erbium 146
NT3 erbium 147
NT3 erbium 148
NT3 erbium 149
NT3 erbium 150
NT3 erbium 151
NT3 erbium 152
NT3 erbium 153
NT3 erbium 167
NT3 europium 135
NT3 europium 136
NT3 europium 138
NT3 europium 139
NT3 europium 140
NT3 europium 141
NT3 europium 142
NT3 europium 144
NT3 europium 160
NT3 europium 161
NT3 europium 162
NT3 fermium 245
NT3 fermium 246
NT3 fermium 247
NT3 fermium 248
NT3 fermium 250
NT3 fermium 259
NT3 fluorine 20
NT3 fluorine 21
NT3 fluorine 22
NT3 fluorine 23
NT3 francium 204
NT3 francium 205
NT3 francium 206
NT3 francium 207
NT3 francium 208
NT3 francium 209
NT3 francium 213
NT3 francium 220
NT3 francium 226
NT3 francium 228
NT3 francium 229
NT3 francium 230
NT3 francium 231
NT3 francium 232
NT3 gadolinium 135
NT3 gadolinium 140
NT3 gadolinium 141
NT3 gadolinium 143
NT3 gadolinium 164
NT3 gadolinium 165
NT3 gallium 63
NT3 gallium 74
NT3 gallium 76
NT3 gallium 77
NT3 gallium 78
NT3 gallium 79
NT3 gallium 80
NT3 gallium 81
NT3 germanium 65
NT3 germanium 75
NT3 germanium 77
NT3 germanium 79
NT3 germanium 80
NT3 germanium 81
NT3 germanium 82
NT3 germanium 83
NT3 germanium 84
NT3 gold 176
NT3 gold 177
NT3 gold 178
NT3 gold 179
NT3 gold 180
NT3 gold 181
NT3 gold 182
NT3 gold 183
NT3 gold 184
NT3 gold 193
NT3 gold 195
NT3 gold 196
NT3 gold 197
NT3 gold 202
NT3 gold 203
NT3 gold 204
NT3 gold 205
NT3 hafnium 154
NT3 hafnium 158
NT3 hafnium 159
NT3 hafnium 160
NT3 hafnium 161
NT3 hafnium 162
NT3 hafnium 163
NT3 hafnium 177
NT3 hafnium 178
NT3 hafnium 179
NT3 holmium 145
NT3 holmium 146
NT3 holmium 148
NT3 holmium 149
NT3 holmium 150
NT3 holmium 151
NT3 holmium 152
NT3 holmium 159
NT3 holmium 161
NT3 holmium 163
NT3 holmium 170
NT3 holmium 171
NT3 holmium 172
NT3 indium 101
NT3 indium 102
NT3 indium 104
NT3 indium 105
NT3 indium 107
NT3 indium 116
NT3 indium 118
NT3 indium 120
NT3 indium 121
NT3 indium 122
NT3 indium 123
NT3 indium 124
NT3 indium 125
NT3 indium 126
NT3 indium 127
NT3 indium 129
NT3 iodine 111
NT3 iodine 112
NT3 iodine 113
NT3 iodine 114
NT3 iodine 116
NT3 iodine 133
NT3 iodine 136
NT3 iodine 137
NT3 iodine 138
NT3 iodine 139
NT3 iridium 170
NT3 iridium 171
NT3 iridium 172
NT3 iridium 173
NT3 iridium 174
NT3 iridium 175
NT3 iridium 176
NT3 iridium 177
NT3 iridium 178
NT3 iridium 191
NT3 iridium 196
NT3 iridium 198
NT3 iron 52
NT3 iron 63
NT3 iron 64
NT3 krypton 72
NT3 krypton 73
NT3 krypton 79
NT3 krypton 81
NT3 krypton 90
NT3 krypton 91

NT3 krypton 92
NT3 krypton 93
NT3 lanthanum 120
NT3 lanthanum 121
NT3 lanthanum 122
NT3 lanthanum 123
NT3 lanthanum 124
NT3 lanthanum 144
NT3 lanthanum 145
NT3 lanthanum 146
NT3 lanthanum 147
NT3 lanthanum 148
NT3 lanthanum 149
NT3 lawrencium 252
NT3 lawrencium 253
NT3 lawrencium 254
NT3 lawrencium 255
NT3 lawrencium 256
NT3 lawrencium 258
NT3 lawrencium 259
NT3 lead 185
NT3 lead 186
NT3 lead 187
NT3 lead 188
NT3 lead 189
NT3 lead 203
NT3 lutetium 154
NT3 lutetium 157
NT3 lutetium 158
NT3 lutetium 159
NT3 lutetium 160
NT3 lutetium 183
NT3 lutetium 184
NT3 magnesium 22
NT3 magnesium 23
NT3 magnesium 29
NT3 manganese 58
NT3 manganese 59
NT3 manganese 60
NT3 mendelevium 247
NT3 mendelevium 248
NT3 mendelevium 249
NT3 mendelevium 250
NT3 mercury 179
NT3 mercury 180
NT3 mercury 181
NT3 mercury 182
NT3 mercury 183
NT3 mercury 184
NT3 mercury 185
NT3 molybdenum 105
NT3 molybdenum 106
NT3 molybdenum 107
NT3 molybdenum 108
NT3 molybdenum 86
NT3 molybdenum 87
NT3 neodymium 127
NT3 neodymium 129
NT3 neodymium 130
NT3 neodymium 131
NT3 neodymium 137
NT3 neodymium 153
NT3 neodymium 154
NT3 neodymium 155
NT3 neodymium 156
NT3 neon 18
NT3 neon 19
NT3 neon 23
NT3 nickel 67
NT3 nickel 69
NT3 nickel 71
NT3 nickel 72
NT3 nickel 74
NT3 niobium 100
NT3 niobium 101
NT3 niobium 102
NT3 niobium 103
NT3 niobium 104
NT3 niobium 105
NT3 niobium 106
NT3 niobium 83
NT3 niobium 84
NT3 niobium 85
NT3 niobium 90
NT3 niobium 97
NT3 niobium 98
NT3 niobium 99
NT3 nitrogen 16
NT3 nitrogen 17
NT3 nobelium 252
NT3 nobelium 254
NT3 nobelium 256
NT3 nobelium 257
NT3 osmium 168
NT3 osmium 169
NT3 osmium 170
NT3 osmium 171
NT3 osmium 172
NT3 osmium 173
NT3 osmium 174
NT3 osmium 192
NT3 oxygen 19
NT3 oxygen 20
NT3 oxygen 21
NT3 oxygen 22
NT3 palladium 107
NT3 palladium 115
NT3 palladium 116
NT3 palladium 117
NT3 palladium 118
NT3 palladium 93
NT3 palladium 94
NT3 palladium 95
NT3 phosphorus 29
NT3 phosphorus 34
NT3 phosphorus 35
NT3 phosphorus 36
NT3 phosphorus 37
NT3 platinum 175
NT3 platinum 176
NT3 platinum 177
NT3 platinum 178
NT3 platinum 179
NT3 platinum 180
NT3 platinum 181
NT3 platinum 183
NT3 platinum 199
NT3 plutonium 229
NT3 polonium 195
NT3 polonium 196
NT3 polonium 197
NT3 polonium 203
NT3 polonium 207
NT3 polonium 211
NT3 polonium 212
NT3 polonium 217
NT3 potassium 37
NT3 potassium 38
NT3 potassium 47
NT3 potassium 48
NT3 potassium 49
NT3 praseodymium 124
NT3 praseodymium 126
NT3 praseodymium 127
NT3 praseodymium 128
NT3 praseodymium 129
NT3 praseodymium 130
NT3 praseodymium 150
NT3 praseodymium 151
NT3 praseodymium 152
NT3 praseodymium 153
NT3 praseodymium 154
NT3 promethium 130
NT3 promethium 131
NT3 promethium 132
NT3 promethium 133
NT3 promethium 134
NT3 promethium 135
NT3 promethium 140
NT3 promethium 142
NT3 promethium 155
NT3 promethium 156
NT3 promethium 157
NT3 promethium 158
NT3 protactinium 225
NT3 radium 207
NT3 radium 208
NT3 radium 209
NT3 radium 210
NT3 radium 211
NT3 radium 212
NT3 radium 214
NT3 radium 221
NT3 radium 222
NT3 radium 233
NT3 radium 234
NT3 radon 200
NT3 radon 201
NT3 radon 202
NT3 radon 203
NT3 radon 219
NT3 radon 220
NT3 radon 227
NT3 radon 228
NT3 rhenium 165
NT3 rhenium 166
NT3 rhenium 167
NT3 rhenium 168
NT3 rhenium 169
NT3 rhenium 170
NT3 rhenium 171
NT3 rhenium 172
NT3 rhenium 192
NT3 rhodium 104
NT3 rhodium 105
NT3 rhodium 106
NT3 rhodium 108
NT3 rhodium 110
NT3 rhodium 111
NT3 rhodium 112
NT3 rhodium 113
NT3 rhodium 114
NT3 rhodium 117
NT3 rhodium 92
NT3 rhodium 94
NT3 rubidium 75
NT3 rubidium 76
NT3 rubidium 80
NT3 rubidium 91
NT3 rubidium 92
NT3 rubidium 93
NT3 rubidium 94
NT3 ruthenium 109
NT3 ruthenium 110
NT3 ruthenium 111
NT3 ruthenium 112
NT3 ruthenium 113
NT3 ruthenium 89
NT3 ruthenium 93
NT3 samarium 131
NT3 samarium 133
NT3 samarium 134
NT3 samarium 135
NT3 samarium 136
NT3 samarium 137
NT3 samarium 139
NT3 samarium 159
NT3 samarium 160
NT3 scandium 42
NT3 scandium 46
NT3 scandium 51
NT3 scandium 52
NT3 selenium 69
NT3 selenium 77
NT3 selenium 85
NT3 selenium 86
NT3 selenium 87

NT3 selenium 88
NT3 silicon 26
NT3 silicon 27
NT3 silicon 33
NT3 silicon 34
NT3 silver 101
NT3 silver 103
NT3 silver 107
NT3 silver 109
NT3 silver 110
NT3 silver 114
NT3 silver 115
NT3 silver 116
NT3 silver 117
NT3 silver 118
NT3 silver 119
NT3 silver 120
NT3 silver 122
NT3 silver 96
NT3 silver 97
NT3 silver 98
NT3 silver 99
NT3 sodium 20
NT3 sodium 21
NT3 sodium 25
NT3 sodium 26
NT3 strontium 76
NT3 strontium 77
NT3 strontium 83
NT3 strontium 95
NT3 strontium 96
NT3 sulfur 30
NT3 sulfur 31
NT3 sulfur 39
NT3 sulfur 40
NT3 tantalum 160
NT3 tantalum 161
NT3 tantalum 162
NT3 tantalum 163
NT3 tantalum 164
NT3 tantalum 165
NT3 tantalum 166
NT3 technetium 100
NT3 technetium 102
NT3 technetium 103
NT3 technetium 106
NT3 technetium 107
NT3 technetium 108
NT3 technetium 109
NT3 technetium 88
NT3 technetium 90
NT3 tellurium 108
NT3 tellurium 109
NT3 tellurium 110
NT3 tellurium 111
NT3 tellurium 135
NT3 tellurium 136
NT3 tellurium 137
NT3 tellurium 138
NT3 terbium 139
NT3 terbium 140
NT3 terbium 141
NT3 terbium 143
NT3 terbium 144
NT3 terbium 145
NT3 terbium 146
NT3 terbium 151
NT3 terbium 158
NT3 terbium 166
NT3 thallium 182
NT3 thallium 184
NT3 thallium 185
NT3 thallium 186
NT3 thallium 187
NT3 thallium 195
NT3 thallium 197
NT3 thallium 207
NT3 thorium 215
NT3 thorium 223
NT3 thorium 224
NT3 thulium 151
NT3 thulium 152
NT3 thulium 153
NT3 thulium 154
NT3 thulium 155
NT3 thulium 156
NT3 thulium 162
NT3 tin 102
NT3 tin 103
NT3 tin 105
NT3 tin 128
NT3 tin 131
NT3 tin 132
NT3 tin 133
NT3 tin 134
NT3 titanium 53
NT3 tungsten 160
NT3 tungsten 162
NT3 tungsten 163
NT3 tungsten 164
NT3 tungsten 165
NT3 tungsten 166
NT3 tungsten 167
NT3 tungsten 168
NT3 tungsten 169
NT3 tungsten 183
NT3 vanadium 43
NT3 vanadium 54
NT3 vanadium 55
NT3 xenon 112
NT3 xenon 113
NT3 xenon 114
NT3 xenon 115
NT3 xenon 116
NT3 xenon 125
NT3 xenon 139
NT3 xenon 140
NT3 xenon 141
NT3 xenon 142
NT3 xenon 144
NT3 ytterbium 153
NT3 ytterbium 155
NT3 ytterbium 156
NT3 ytterbium 157
NT3 ytterbium 169
NT3 ytterbium 176
NT3 ytterbium 177
NT3 yttrium 79
NT3 yttrium 80
NT3 yttrium 82
NT3 yttrium 84
NT3 yttrium 89
NT3 yttrium 96
NT3 yttrium 97
NT3 yttrium 98
NT3 yttrium 99
NT3 zinc 73
NT3 zinc 75
NT3 zinc 76
NT3 zinc 77
NT3 zinc 78
NT3 zinc 79
NT3 zirconium 100
NT3 zirconium 101
NT3 zirconium 102
NT3 zirconium 103
NT3 zirconium 83
NT3 zirconium 85
NT3 zirconium 87
NT3 zirconium 98
NT3 zirconium 99
NT2 spontaneous fission radioisotopes
NT3 americium 237
NT3 americium 238
NT3 americium 239
NT3 americium 240
NT3 americium 241
NT3 americium 242
NT3 americium 243
NT3 americium 244
NT3 americium 245
NT3 americium 246
NT3 berkelium 242
NT3 berkelium 243
NT3 berkelium 244
NT3 berkelium 245
NT3 berkelium 249
NT3 californium 246
NT3 californium 248
NT3 californium 249
NT3 californium 250
NT3 californium 252
NT3 californium 254
NT3 californium 256
NT3 curium 240
NT3 curium 241
NT3 curium 242
NT3 curium 243
NT3 curium 244
NT3 curium 245
NT3 curium 246
NT3 curium 248
NT3 curium 250
NT3 einsteinium 253
NT3 einsteinium 254
NT3 einsteinium 255
NT3 element 104 253
NT3 element 104 254
NT3 element 104 255
NT3 element 104 256
NT3 element 104 258
NT3 element 104 259
NT3 element 104 260
NT3 element 104 261
NT3 element 104 262
NT3 element 104 263
NT3 element 105 255
NT3 element 105 256
NT3 element 105 257
NT3 element 105 259
NT3 element 105 260
NT3 element 105 261
NT3 element 105 262
NT3 element 105 263
NT3 element 106 259
NT3 element 106 260
NT3 element 106 262
NT3 element 106 263
NT3 element 106 266
NT3 element 107 261
NT3 element 112 283
NT3 fermium 242
NT3 fermium 244
NT3 fermium 246
NT3 fermium 248
NT3 fermium 250
NT3 fermium 252
NT3 fermium 254
NT3 fermium 255
NT3 fermium 256
NT3 fermium 257
NT3 fermium 258
NT3 fermium 259
NT3 mendelevium 259
NT3 neptunium 237
NT3 nobelium 250
NT3 nobelium 252
NT3 nobelium 254
NT3 nobelium 256
NT3 nobelium 258
NT3 plutonium 235
NT3 plutonium 236
NT3 plutonium 237
NT3 plutonium 238
NT3 plutonium 239
NT3 plutonium 240
NT3 plutonium 241

NT3 plutonium 242
NT3 plutonium 243
NT3 plutonium 244
NT3 thorium 230
NT3 thorium 232
NT3 uranium 232
NT3 uranium 233
NT3 uranium 234
NT3 uranium 235
NT3 uranium 236
NT3 uranium 238
NT2 years living radioisotopes
NT3 actinium 227
NT3 aluminium 26
NT3 americium 241
NT3 americium 242
NT3 americium 243
NT3 antimony 125
NT3 argon 39
NT3 argon 42
NT3 barium 133
NT3 berkelium 247
NT3 beryllium 10
NT3 bismuth 207
NT3 bismuth 208
NT3 bismuth 210
NT3 cadmium 109
NT3 cadmium 113
NT3 calcium 41
NT3 californium 249
NT3 californium 250
NT3 californium 251
NT3 californium 252
NT3 carbon 14
NT3 cesium 134
NT3 cesium 135
NT3 cesium 137
NT3 chlorine 36
NT3 cobalt 60
NT3 curium 243
NT3 curium 244
NT3 curium 245
NT3 curium 246
NT3 curium 247
NT3 curium 248
NT3 curium 250
NT3 dysprosium 154
NT3 einsteinium 252
NT3 europium 150
NT3 europium 152
NT3 europium 154
NT3 europium 155
NT3 gadolinium 148
NT3 gadolinium 150
NT3 gadolinium 152
NT3 hafnium 172
NT3 hafnium 174
NT3 hafnium 178
NT3 hafnium 182
NT3 holmium 163
NT3 holmium 166
NT3 indium 115
NT3 iodine 129
NT3 iridium 192
NT3 iron 55
NT3 iron 60
NT3 krypton 81
NT3 krypton 85
NT3 lanthanum 137
NT3 lanthanum 138
NT3 lead 202
NT3 lead 205
NT3 lead 210
NT3 lutetium 173
NT3 lutetium 174
NT3 lutetium 176
NT3 manganese 53
NT3 mercury 194
NT3 molybdenum 93
NT3 neodymium 144
NT3 neptunium 235
NT3 neptunium 236
NT3 neptunium 237
NT3 nickel 59
NT3 nickel 63
NT3 niobium 91
NT3 niobium 92
NT3 niobium 93
NT3 niobium 94
NT3 osmium 186
NT3 osmium 194
NT3 palladium 107
NT3 platinum 190
NT3 platinum 193
NT3 plutonium 236
NT3 plutonium 238
NT3 plutonium 239
NT3 plutonium 240
NT3 plutonium 241
NT3 plutonium 242
NT3 plutonium 244
NT3 polonium 208
NT3 polonium 209
NT3 potassium 40
NT3 promethium 144
NT3 promethium 145
NT3 promethium 146
NT3 promethium 147
NT3 protactinium 231
NT3 radium 226
NT3 radium 228
NT3 rhenium 186
NT3 rhenium 187
NT3 rhodium 101
NT3 rubidium 87
NT3 ruthenium 106
NT3 samarium 146
NT3 samarium 147
NT3 samarium 148
NT3 samarium 151
NT3 selenium 79
NT3 silicon 32
NT3 silver 108
NT3 sodium 22
NT3 strontium 90
NT3 tantalum 179
NT3 technetium 97
NT3 technetium 98
NT3 technetium 99
NT3 tellurium 123
NT3 terbium 157
NT3 terbium 158
NT3 thallium 204
NT3 thorium 228
NT3 thorium 229
NT3 thorium 230
NT3 thorium 232
NT3 thulium 171
NT3 tin 121
NT3 tin 126
NT3 titanium 44
NT3 tritium
NT3 uranium 232
NT3 uranium 233
NT3 uranium 234
NT3 uranium 235
NT3 uranium 236
NT3 uranium 238
NT3 vanadium 50
NT3 zirconium 93
NT1 radon isotopes
NT2 radon 196
NT2 radon 197
NT2 radon 199
NT2 radon 200
NT2 radon 201
NT2 radon 202
NT2 radon 203
NT2 radon 204
NT2 radon 205
NT2 radon 206
NT2 radon 207
NT2 radon 208
NT2 radon 209
NT2 radon 210
NT2 radon 211
NT2 radon 212
NT2 radon 213
NT2 radon 214
NT2 radon 215
NT2 radon 216
NT2 radon 217
NT2 radon 218
NT2 radon 219
NT2 radon 220
NT2 radon 221
NT2 radon 222
NT2 radon 223
NT2 radon 224
NT2 radon 225
NT2 radon 226
NT2 radon 227
NT2 radon 228
NT1 rhenium isotopes
NT2 rhenium 161
NT2 rhenium 162
NT2 rhenium 163
NT2 rhenium 164
NT2 rhenium 165
NT2 rhenium 166
NT2 rhenium 167
NT2 rhenium 168
NT2 rhenium 169
NT2 rhenium 170
NT2 rhenium 171
NT2 rhenium 172
NT2 rhenium 173
NT2 rhenium 174
NT2 rhenium 175
NT2 rhenium 176
NT2 rhenium 177
NT2 rhenium 178
NT2 rhenium 179
NT2 rhenium 180
NT2 rhenium 181
NT2 rhenium 182
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NT2 rhenium 186
NT2 rhenium 187
NT2 rhenium 188
NT2 rhenium 189
NT2 rhenium 190
NT2 rhenium 191
NT2 rhenium 192
NT1 rhodium isotopes
NT2 rhodium 100
NT2 rhodium 101
NT2 rhodium 102
NT2 rhodium 103
NT2 rhodium 104
NT2 rhodium 105
NT2 rhodium 106
NT2 rhodium 107
NT2 rhodium 108
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NT2 rhodium 116
NT2 rhodium 117
NT2 rhodium 118
NT2 rhodium 92

NT2 rhodium 94
NT2 rhodium 95
NT2 rhodium 96
NT2 rhodium 97
NT2 rhodium 98
NT2 rhodium 99
NT1 rubidium isotopes
NT2 rubidium 100
NT2 rubidium 101
NT2 rubidium 102
NT2 rubidium 103
NT2 rubidium 73
NT2 rubidium 74
NT2 rubidium 75
NT2 rubidium 76
NT2 rubidium 77
NT2 rubidium 78
NT2 rubidium 79
NT2 rubidium 80
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NT2 rubidium 97
NT2 rubidium 98
NT2 rubidium 99
NT1 ruthenium isotopes
NT2 ruthenium 100
NT2 ruthenium 101
NT2 ruthenium 102
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NT2 ruthenium 105
NT2 ruthenium 106
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NT2 ruthenium 98
NT2 ruthenium 99
NT1 scandium isotopes
NT2 scandium 39
NT2 scandium 40
NT2 scandium 41
NT2 scandium 42
NT2 scandium 43
NT2 scandium 44
NT2 scandium 45
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NT2 scandium 50
NT2 scandium 51
NT2 scandium 52
NT2 scandium 53
NT2 scandium 54
NT2 scandium 55
NT1 selenium isotopes
NT2 selenium 65
NT2 selenium 66
NT2 selenium 67
NT2 selenium 68
NT2 selenium 69
NT2 selenium 70
NT2 selenium 71
NT2 selenium 72
NT2 selenium 73
NT2 selenium 74
NT2 selenium 75
NT2 selenium 76
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NT2 selenium 81
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NT2 selenium 83
NT2 selenium 84
NT2 selenium 85
NT2 selenium 86
NT2 selenium 87
NT2 selenium 88
NT2 selenium 89
NT2 selenium 91
NT1 silicon isotopes
NT2 silicon 22
NT2 silicon 23
NT2 silicon 24
NT2 silicon 25
NT2 silicon 26
NT2 silicon 27
NT2 silicon 28
NT2 silicon 29
NT2 silicon 30
NT2 silicon 31
NT2 silicon 32
NT2 silicon 33
NT2 silicon 34
NT2 silicon 35
NT2 silicon 36
NT2 silicon 37
NT2 silicon 38
NT2 silicon 39
NT2 silicon 40
NT2 silicon 41
NT2 silicon 42
NT1 silver isotopes
NT2 silver 100
NT2 silver 101
NT2 silver 102
NT2 silver 103
NT2 silver 104
NT2 silver 105
NT2 silver 106
NT2 silver 107
NT2 silver 108
NT2 silver 109
NT2 silver 110
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NT2 silver 120
NT2 silver 121
NT2 silver 122
NT2 silver 123
NT2 silver 94
NT2 silver 95
NT2 silver 96
NT2 silver 97
NT2 silver 98
NT2 silver 99
NT1 sodium isotopes
NT2 sodium 19
NT2 sodium 20
NT2 sodium 21
NT2 sodium 22
NT2 sodium 23
NT2 sodium 24
NT2 sodium 25
NT2 sodium 26
NT2 sodium 27
NT2 sodium 28
NT2 sodium 29
NT2 sodium 30
NT2 sodium 31
NT2 sodium 32
NT2 sodium 33
NT2 sodium 34
NT2 sodium 35
NT1 stable isotopes
NT2 aluminium 27
NT2 antimony 121
NT2 antimony 123
NT2 argon 36
NT2 argon 38
NT2 argon 40
NT2 arsenic 75
NT2 barium 130
NT2 barium 132
NT2 barium 134
NT2 barium 135
NT2 barium 136
NT2 barium 137
NT2 barium 138
NT2 beryllium 9
NT2 bismuth 209
NT2 boron 10
NT2 boron 11
NT2 bromine 79
NT2 bromine 81
NT2 cadmium 106
NT2 cadmium 108
NT2 cadmium 110
NT2 cadmium 111
NT2 cadmium 112
NT2 cadmium 113
NT2 cadmium 114
NT2 cadmium 116
NT2 calcium 40
NT2 calcium 42
NT2 calcium 43
NT2 calcium 44
NT2 calcium 46
NT2 calcium 48
NT2 carbon 12
NT2 carbon 13
NT2 cerium 136
NT2 cerium 138
NT2 cerium 140
NT2 cerium 142
NT2 cesium 133
NT2 chlorine 35
NT2 chlorine 37
NT2 chromium 50
NT2 chromium 52
NT2 chromium 53
NT2 chromium 54
NT2 cobalt 59
NT2 copper 63
NT2 copper 65
NT2 deuterium
NT2 dysprosium 156
NT2 dysprosium 158
NT2 dysprosium 160

NT2 dysprosium 161
NT2 dysprosium 162
NT2 dysprosium 163
NT2 dysprosium 164
NT2 erbium 162
NT2 erbium 164
NT2 erbium 166
NT2 erbium 167
NT2 erbium 168
NT2 erbium 170
NT2 europium 151
NT2 europium 153
NT2 fluorine 19
NT2 gadolinium 154
NT2 gadolinium 155
NT2 gadolinium 156
NT2 gadolinium 157
NT2 gadolinium 158
NT2 gadolinium 160
NT2 gallium 69
NT2 gallium 71
NT2 germanium 70
NT2 germanium 72
NT2 germanium 73
NT2 germanium 74
NT2 germanium 76
NT2 gold 197
NT2 hafnium 176
NT2 hafnium 177
NT2 hafnium 178
NT2 hafnium 179
NT2 hafnium 180
NT2 helium 3
NT3 helium 3 a
NT3 helium 3 a1
NT3 helium 3 b
NT2 helium 4
NT3 helium i
NT3 helium ii
NT2 holmium 165
NT2 hydrogen 1
NT2 indium 113
NT2 iodine 127
NT2 iridium 191
NT2 iridium 193
NT2 iron 54
NT2 iron 56
NT2 iron 57
NT2 iron 58
NT2 krypton 78
NT2 krypton 80
NT2 krypton 82
NT2 krypton 83
NT2 krypton 84
NT2 krypton 86
NT2 lanthanum 139
NT2 lead 204
NT2 lead 206
NT2 lead 207
NT2 lead 208
NT2 lithium 6
NT2 lithium 7
NT2 lutetium 175
NT2 magnesium 24
NT2 magnesium 25
NT2 magnesium 26
NT2 manganese 55
NT2 mercury 196
NT2 mercury 198
NT2 mercury 199
NT2 mercury 200
NT2 mercury 201
NT2 mercury 202
NT2 mercury 204
NT2 molybdenum 100
NT2 molybdenum 92
NT2 molybdenum 94
NT2 molybdenum 95
NT2 molybdenum 96
NT2 molybdenum 97
NT2 molybdenum 98
NT2 neodymium 142
NT2 neodymium 143
NT2 neodymium 145
NT2 neodymium 146
NT2 neodymium 148
NT2 neodymium 150
NT2 neon 20
NT2 neon 21
NT2 neon 22
NT2 nickel 58
NT2 nickel 60
NT2 nickel 61
NT2 nickel 62
NT2 nickel 64
NT2 niobium 93
NT2 nitrogen 14
NT2 nitrogen 15
NT2 osmium 184
NT2 osmium 186
NT2 osmium 187
NT2 osmium 188
NT2 osmium 189
NT2 osmium 190
NT2 osmium 192
NT2 oxygen 16
NT2 oxygen 17
NT2 oxygen 18
NT2 palladium 102
NT2 palladium 104
NT2 palladium 105
NT2 palladium 106
NT2 palladium 108
NT2 palladium 110
NT2 phosphorus 31
NT2 platinum 192
NT2 platinum 194
NT2 platinum 195
NT2 platinum 196
NT2 platinum 198
NT2 potassium 39
NT2 potassium 41
NT2 praseodymium 141
NT2 rhenium 185
NT2 rhenium 187
NT2 rhodium 103
NT2 rubidium 85
NT2 ruthenium 100
NT2 ruthenium 101
NT2 ruthenium 102
NT2 ruthenium 104
NT2 ruthenium 96
NT2 ruthenium 98
NT2 ruthenium 99
NT2 samarium 144
NT2 samarium 148
NT2 samarium 149
NT2 samarium 150
NT2 samarium 152
NT2 samarium 154
NT2 scandium 45
NT2 selenium 74
NT2 selenium 76
NT2 selenium 77
NT2 selenium 78
NT2 selenium 80
NT2 selenium 82
NT2 silicon 28
NT2 silicon 29
NT2 silicon 30
NT2 silver 107
NT2 silver 109
NT2 sodium 23
NT2 strontium 84
NT2 strontium 86
NT2 strontium 87
NT2 strontium 88
NT2 sulfur 32
NT2 sulfur 33
NT2 sulfur 34
NT2 sulfur 36
NT2 tantalum 181
NT2 tellurium 120
NT2 tellurium 122
NT2 tellurium 123
NT2 tellurium 124
NT2 tellurium 125
NT2 tellurium 126
NT2 tellurium 128
NT2 tellurium 130
NT2 terbium 159
NT2 thallium 203
NT2 thallium 205
NT2 thulium 169
NT2 tin 112
NT2 tin 114
NT2 tin 115
NT2 tin 116
NT2 tin 117
NT2 tin 118
NT2 tin 119
NT2 tin 120
NT2 tin 122
NT2 tin 124
NT2 titanium 46
NT2 titanium 47
NT2 titanium 48
NT2 titanium 49
NT2 titanium 50
NT2 tungsten 180
NT2 tungsten 182
NT2 tungsten 183
NT2 tungsten 184
NT2 tungsten 186
NT2 vanadium 51
NT2 xenon 124
NT2 xenon 126
NT2 xenon 128
NT2 xenon 129
NT2 xenon 130
NT2 xenon 131
NT2 xenon 132
NT2 xenon 134
NT2 xenon 136
NT2 ytterbium 168
NT2 ytterbium 170
NT2 ytterbium 171
NT2 ytterbium 172
NT2 ytterbium 173
NT2 ytterbium 174
NT2 ytterbium 176
NT2 yttrium 89
NT2 zinc 64
NT2 zinc 66
NT2 zinc 67
NT2 zinc 68
NT2 zinc 70
NT2 zirconium 90
NT2 zirconium 91
NT2 zirconium 92
NT2 zirconium 94
NT2 zirconium 96
NT1 sulfur isotopes
NT2 sulfur 24
NT2 sulfur 27
NT2 sulfur 28
NT2 sulfur 29
NT2 sulfur 30
NT2 sulfur 31
NT2 sulfur 32
NT2 sulfur 33
NT2 sulfur 34
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NT2 sulfur 40
NT2 sulfur 41
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NT2 sulfur 47
NT2 sulfur 48
NT1 tantalum isotopes
NT2 tantalum 156
NT2 tantalum 157
NT2 tantalum 158
NT2 tantalum 159
NT2 tantalum 160
NT2 tantalum 161
NT2 tantalum 162
NT2 tantalum 163
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NT2 tantalum 166
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NT2 tantalum 168
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NT2 tantalum 186
NT1 technetium isotopes
NT2 technetium 100
NT2 technetium 101
NT2 technetium 102
NT2 technetium 103
NT2 technetium 104
NT2 technetium 105
NT2 technetium 106
NT2 technetium 107
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NT1 tellurium isotopes
NT2 tellurium 106
NT2 tellurium 107
NT2 tellurium 108
NT2 tellurium 109
NT2 tellurium 110
NT2 tellurium 111
NT2 tellurium 112
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NT2 tellurium 137
NT2 tellurium 138
NT1 thallium isotopes
NT2 thallium 179
NT2 thallium 182
NT2 thallium 183
NT2 thallium 184
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NT1 thorium isotopes
NT2 thorium 212
NT2 thorium 213
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NT2 thorium 238
NT1 tin isotopes
NT2 tin 100
NT2 tin 101
NT2 tin 102
NT2 tin 103
NT2 tin 104
NT2 tin 105
NT2 tin 106
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NT2 tin 132
NT2 tin 133
NT2 tin 134
NT1 titanium isotopes
NT2 titanium 39
NT2 titanium 40
NT2 titanium 41
NT2 titanium 42
NT2 titanium 43
NT2 titanium 44
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NT2 titanium 54
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NT2 titanium 56
NT2 titanium 57
NT1 tungsten isotopes
NT2 tungsten 158
NT2 tungsten 159
NT2 tungsten 160
NT2 tungsten 161
NT2 tungsten 162
NT2 tungsten 163
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NT2 tungsten 177
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NT2 tungsten 186
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NT2 tungsten 188
NT2 tungsten 189
NT2 tungsten 190
NT2 tungsten 192
NT1 uranium isotopes
NT2 uranium 218
NT2 uranium 219
NT2 uranium 222
NT2 uranium 223
NT2 uranium 224
NT2 uranium 225
NT2 uranium 226
NT2 uranium 227
NT2 uranium 228
NT2 uranium 229
NT2 uranium 230
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NT2 uranium 242
NT1 vanadium isotopes
NT2 vanadium 42
NT2 vanadium 43
NT2 vanadium 44
NT2 vanadium 45
NT2 vanadium 46
NT2 vanadium 47
NT2 vanadium 48
NT2 vanadium 49
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NT2 vanadium 57
NT2 vanadium 58
NT2 vanadium 59
NT2 vanadium 60
NT1 xenon isotopes
NT2 xenon 110
NT2 xenon 111
NT2 xenon 112
NT2 xenon 113
NT2 xenon 114
NT2 xenon 115
NT2 xenon 116
NT2 xenon 117
NT2 xenon 118
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NT2 xenon 138
NT2 xenon 139
NT2 xenon 140
NT2 xenon 141
NT2 xenon 142
NT2 xenon 143
NT2 xenon 144
NT2 xenon 145
NT2 xenon 146
NT1 yttrium isotopes
NT2 yttrium 100
NT2 yttrium 101
NT2 yttrium 102
NT2 yttrium 103
NT2 yttrium 77
NT2 yttrium 79
NT2 yttrium 80
NT2 yttrium 81
NT2 yttrium 82
NT2 yttrium 83
NT2 yttrium 84
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NT2 yttrium 94
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NT2 yttrium 96
NT2 yttrium 97
NT2 yttrium 98
NT2 yttrium 99
NT1 zinc isotopes
NT2 zinc 57
NT2 zinc 58
NT2 zinc 59
NT2 zinc 60
NT2 zinc 61
NT2 zinc 62
NT2 zinc 63
NT2 zinc 64
NT2 zinc 65
NT2 zinc 66
NT2 zinc 67
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NT2 zinc 73
NT2 zinc 74
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NT2 zinc 76
NT2 zinc 77
NT2 zinc 78
NT2 zinc 79
NT2 zinc 80
NT2 zinc 81
NT1 zirconium isotopes
NT2 zirconium 100
NT2 zirconium 101
NT2 zirconium 102
NT2 zirconium 103
NT2 zirconium 104
NT2 zirconium 80
NT2 zirconium 81
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NT2 zirconium 92
NT2 zirconium 93
NT2 zirconium 94
NT2 zirconium 95
NT2 zirconium 96
NT2 zirconium 97
NT2 zirconium 98
NT2 zirconium 99
RT gas centrifugation
RT isotope effects
RT isotope production
RT isotope ratio
RT isotope separation
RT nuclei

isotopic analysis (quantitative)
Use isotope ratio

isotopic composition (quantitative)
Use isotope ratio

isotopic effects
Use isotope effects

ISOTOPIC EXCHANGE
UF *exchange (isotopic)*
UF *isotope exchange*
UF *isotopic substitution*
NT1 dual temperature process
RT chemical reactions
RT hydrogen transfer
RT isotope effects
RT isotope enriched materials
RT labelling

isotopic separation
Use isotope separation

isotopic shift
Use spectral shift

isotopic spin
Use isospin

isotopic substitution
Use isotopic exchange

ISOTROPY
RT anisotropy
RT configuration
RT distribution
RT orientation

ISOVALERIC ACID
*BT1 monocarboxylic acids

ISOVECTORS
*BT1 vectors

ISPRA-1 REACTOR
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors

ispra-2 rana reactor
Use rana reactor

ISRAEL
BT1 asia

BT1 developing countries
BT1 middle east
RT israeli organizations

ISRAEL ATOMIC ENERGY COMMISSION

INIS: Nov 1979; ETDE: Nov 1979
*BT1 israeli organizations
NT1 negev nuclear research center
NT1 soreq nuclear research center

ISRAELI ORGANIZATIONS

INIS: Nov 1979; ETDE: Sep 1979
BT1 national organizations
NT1 israel atomic energy commission
NT2 negev nuclear research center
NT2 soreq nuclear research center
RT israel

israeli research reactor-1

Use irr-1 reactor

israeli research reactor-2

Use irr-2 reactor

ISTTOK TOKAMAK

INIS: May 2000; ETDE: Nov 1999
(Instituto Superior Tecnico, Lisbon, Portugal.)
*BT1 tokamak devices

ISX TOKAMAK

INIS: Sep 1977; ETDE: Apr 1978
UF *impurity study experimental tokamak*
*BT1 tokamak devices

ITACONIC ACID

*BT1 dicarboxylic acids

ITALIAN ENEA

INIS: Mar 1985; ETDE: Aug 1989
(Comitato Nazionale per la Ricerca e lo Sviluppo dell'Energia Nucleare e delle Energie Alternative; prior to April 1982 known as Comitato Nazionale per Energia Nucleare, and documents written before that date should be indexed to CNEN.)
UF *comitato nazionale energia nucleare e alternative*
UF *enea italy*
UF *energia nucl e altern, com naz*
*BT1 italian organizations
NT1 cnen

ITALIAN ENEL

INIS: Sep 1992; ETDE: Mar 1991
(Ente Nazionale per l'Energia Elettrica.)
*BT1 italian organizations

ITALIAN ORGANIZATIONS

(Prior to August 1996 AGIP NUCLEARE was a valid ETDE descriptor.)
UF *agip nucleare*
BT1 national organizations
NT1 cise
NT1 italian enea
NT2 cnen
NT1 italian enel

italian triga-mark-ii reactor

Use triga-2-rome reactor

italian triga-mk-2 reactor

Use triga-2-rome reactor

ITALY

BT1 developed countries
*BT1 western europe
NT1 appennines
NT1 sicily
RT adriatic sea
RT alps
RT larderello geothermal field
RT monte amiata geothermal field
RT oecd
RT po river
RT travale geothermal field

ITEP SYNCHROTRON

(Institute of Theoretical and Experimental Physics Synchrotron)
*BT1 synchrotrons

ITER TOKAMAK

INIS: Apr 1989; ETDE: May 1989
(International Thermonuclear Experimental Reactor.)
*BT1 tokamak devices
*BT1 tokamak type reactors

ITERATIVE METHODS

BT1 calculation methods
NT1 finite difference method
NT1 galerkin-petrov method
NT1 newton method
NT1 runge-kutta method
RT mathematics
RT numerical solution

itr reactor

Use beryllium moderated reactors
AND enriched uranium reactors
AND thermionic reactors
AND zero power reactors

itri

Use inhalation toxicology research institute

IU CYCLOTRON

INIS: Apr 1979; ETDE: May 1979
UF *indiana university cyclotron*
*BT1 isochronous cyclotrons

iudr

Use iododeoxyuridine

ius

Use total energy systems

ivory coast

Use cote d'ivoire

IVV-7 REACTOR

INIS: Jan 1992; ETDE: Feb 1992
(Research Center in Tajura, Libya.)
*BT1 pool type reactors
*BT1 research reactors

ivy project

Use nuclear explosions

iwg-1m reactor

Use ewg-1 reactor

ixion

Use magnetic mirrors

J

j-3105 resonances

Use j psi-3097 mesons

J CODES

BT1 computer codes

J-J COUPLING

UF *spin-spin interaction*
*BT1 intermediate coupling
RT orbital angular momentum

J PSI-3097 MESONS

(Prior to December 1987 this concept was indexed by PSI-3105 RESONANCES.)
UF *j-3105 resonances*
UF *psi-3105 resonances*
*BT1 charmonium
*BT1 vector mesons

JABILUKA DEPOSIT

INIS: Jul 1978; ETDE: Aug 1978
*BT1 uranium deposits
RT northern territory
RT uranium ores

JACKETS

(Device surrounding an object to be heated or cooled, e.g., water jackets.)
RT fuel cans
RT reactor components
RT shrouds
RT sleeves

JACKSON MODEL

RT compound nuclei
RT nuclear reactions

JACOBIAN FUNCTION

BT1 functions

JAERI

(Japan Atomic Energy Research Institute)
UF *japan atomic energy research institute*
*BT1 japanese organizations

jaeri experimental fusion reactor

Use jxfr tokamak

jaeri fusion torus-2a

Use jft-2a tokamak

JAERI LINAC

*BT1 linear accelerators

JAERI TANDEM ACCELERATOR

INIS: Apr 1982; ETDE: May 1982
*BT1 tandem electrostatic accelerators
*BT1 van de graaff accelerators

JAHN-TELLER EFFECT

RT energy levels
RT molecules

jails

Use public buildings

JAMAICA

BT1 developing countries
*BT1 greater antilles
BT1 latin america

james a. fitzpatrick reactor

Use fitzpatrick reactor

JAMES RIVER

*BT1 rivers
RT virginia

JAMESPORT-1 REACTOR

*BT1 pwr type reactors

JAMESPORT-2 REACTOR

*BT1 pwr type reactors

jangle project

Use nuclear explosions

JANUS REACTOR

(ANL, Argonne, Illinois, USA)
UF *biological research reactor janus*
*BT1 enriched uranium reactors
*BT1 research reactors

*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

JAPAN
BT1 asia
BT1 developed countries
NT1 hachimantai
NT1 hiroshima
NT1 nagasaki
RT beppu geothermal field
RT hatchobaru geothermal field
RT kakkonda geothermal field
RT matsukawa geothermal field
RT oecd
RT okinawa
RT onikobe geothermal field
RT onuma geothermal field
RT otake geothermal field
RT takenoyu geothermal field
RT takinoue geothermal field

japan atomic energy research institute
Use jaeri

japan atr fugen
Use jatr reactor

japan fast experimental breeder reactor
Use joyo reactor

japan htr
Use htr reactor

japan institute plasma physics stellarator
Use jipp stellarator

japan materials testing reactor
Use jmtr reactor

japan nuclear cycle development institute
Use jnc

japan nuclear ship development agency
Use jnsda

japan power demonstration reactor
Use jpdr reactor

japan power demonstration reactor-2
Use jpdr-2 reactor

japan prototype fast reactor
Use monju reactor

japan research reactor-1
Use jrr-1 reactor

japan research reactor-2
Use jrr-2 reactor

japan research reactor-3
Use jrr-3 reactor

japan research reactor-4
Use jrr-4 reactor

japan ship reactor mutsu
Use mutsu reactor

JAPANESE ORGANIZATIONS
BT1 national organizations
NT1 jaeri
NT1 jnc
NT1 jnsda
NT1 pnc

japco-1 reactor
Use tokai-mura reactor

japco-2 reactor
Use tsuruga reactor

japco-3 reactor
Use tokai-2 reactor

japco-4 reactor
Use tsuruga-2 reactor

JASON REACTOR
(UK Ministry of Defence, Dept. of Nuclear Science and Technology, Royal Naval College, London, United Kingdom)
UF *uk royal naval college-jason reactor*
*BT1 argonaut type reactors
*BT1 research reactors
*BT1 training reactors

JASTROW THEORY
RT hard-core potential
RT nucleon-nucleon potential

JATR REACTOR
UF *advanced thermal reactor fugen*
UF *fugen atr*
UF *japan atr fugen*
*BT1 hwlwr type reactors
*BT1 natural uranium reactors
*BT1 plutonium reactors
*BT1 pressure tube reactors
*BT1 thermal reactors

JAUNDICE
BT1 pathological changes
BT1 symptoms
RT hepatitis
RT liver

JAVA
Sep 2002
BT1 programming languages

java (island)
Use indonesia

JAW
UF *alveoli (dental)*
UF *mandible*
*BT1 skull
RT teeth

jecco process
Use desulfurization
AND lime-limestone wet scrubbing processes

JEEP-2 REACTOR
(Institut for Atomenergi, Kjeller, Norway)
UF *joint establishment experimental pile-2*
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 research reactors
*BT1 tank type reactors

jefferson laboratory
Use cebaf accelerator

jejunum
Use small intestine

JEMEZ MOUNTAINS
INIS: Apr 2000; ETDE: Jan 1975
BT1 mountains
RT new mexico

JEN-1 REACTOR
(Nuclear Energy Board, Juan Vigon National Nuclear Energy Centre, Madrid, Spain)
UF *junta de energia nuclear (spain)-1 reactor*
UF *spanish jen-1 research reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

JEN-2 REACTOR
UF *junta de energia nuclear (spain)-2 reactor*
UF *spanish jen-2 research reactor*
*BT1 pool type reactors
*BT1 research reactors

JEN REACTOR
UF *junta de energia nuclear (portugal) reactor*
UF *portuguese jen research reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

jensen sarcoma
Use experimental neoplasms

jerusalem artichokes
Use sunflowers

JERVIS BAY REACTOR
*BT1 power reactors

JESSE EFFECT
(Change of ionization characteristics when impurities are added to certain gases.)
RT gases
RT impurities
RT ionization

JET DRILLS
INIS: Apr 2000; ETDE: Mar 1977
*BT1 drills
RT drill bits
RT jets
RT nozzles

JET ENGINE FUELS
INIS: Aug 1994; ETDE: Jan 1975
SF *aircraft fuels*
SF *aviation fuels*
*BT1 liquid fuels
RT hydrogen fuels

JET MODEL
INIS: Aug 1976; ETDE: Nov 1976
UF *ujm*
UF *uncorrelated-jet model*
*BT1 particle models
RT uncorrelated-particle model

jet reactors
Use jet tokamak

JET TOKAMAK
INIS: Nov 1975; ETDE: Apr 1979
UF *jet reactors*
*BT1 tokamak devices

JETS
RT fluid flow
RT jet drills
RT nozzles

JEZEBEL REACTOR
*BT1 zero power reactors

jfer reactor
Use joyo reactor

JFT-2 TOKAMAK
(Tokamak device with circular cross section and no divertor.)
*BT1 tokamak devices

JFT-2A TOKAMAK
INIS: Jul 1976; ETDE: Nov 1976
(Tokamak device with teardrop-like cross section and with an axisymmetric divertor.)
UF *diva tokamak*
UF *jaeri fusion torus-2a*
*BT1 tokamak devices

JFT-2M TOKAMAK
INIS: Dec 1985; ETDE: Jan 1986
(Tokamak device with a D-shaped cross section and a divertor.)
*BT1 tokamak devices

jgc methane-rich gas process
Use sng processes

JIGS
INIS: Apr 2000; ETDE: Feb 1976
(Devices that are submerged in water and vibrated to filter or concentrate ore, clean coal, etc.)
BT1 concentrators
RT density
RT separation processes
RT sorting

JININGITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 thorite

JINR
UF *dubna, jinr*
UF *joint institute for nuclear research*
UF *ob'edinennyj institut yadernykh issledovanij*
UF *oiyai*
BT1 international organizations

JINR CYCLOTRONS
*BT1 isochronous cyclotrons
NT1 jinr u-400 cyclotron

JINR SYNCHROTRON
*BT1 synchrotrons

JINR U-400 CYCLOTRON
INIS: Jul 1982; ETDE: Aug 1982
*BT1 heavy ion accelerators
*BT1 jinr cyclotrons

JIPP STELLARATOR
UF *japan institute plasma physics stellarator*
*BT1 stellarators

JIPPT-2 DEVICE
INIS: Aug 1982; ETDE: Sep 1982
*BT1 stellarators
*BT1 tokamak devices

JMTR REACTOR
(Oari Research Establishment of JAERI, Ibaraki Prefecture,Japan)
UF *japan materials testing reactor*
UF *materials testing reactor japan*
*BT1 enriched uranium reactors
*BT1 materials testing reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

JNC
INIS: Jun 1999; ETDE: Jul 1999
(Japan Nuclear Cycle Development Institute)
UF *japan nuclear cycle development institute*
*BT1 japanese organizations

JNSDA
(Japan Nuclear Ship Development Agency)
UF *japan nuclear ship development agency*
*BT1 japanese organizations

job training
Use training

johannite
Use sulfate minerals
AND uranium minerals

JOINING
BT1 fabrication
NT1 bonding
NT1 fastening
NT1 welding
NT2 arc welding
NT3 gas metal-arc welding
NT4 gas tungsten-arc welding
NT3 plasma arc welding
NT3 shielded metal-arc welding
NT3 submerged arc welding
NT2 brazing
NT2 diffusion welding
NT2 electron beam welding
NT2 electroslag welding
NT2 explosion welding
NT2 forge welding
NT2 friction welding
NT2 gas welding
NT2 induction welding
NT2 laser welding
NT2 magnetic force welding
NT2 resistance welding
NT3 flash welding
NT2 soldering
NT2 ultrasonic welding
NT2 vacuum welding
RT compatibility
RT couplings
RT fasteners

joint committee on atomic energy
Use us jcae

joint establishment experimental pile-2
Use jeep-2 reactor

joint institute for nuclear research
Use jinr

joint liability
Use liabilities

JOINT VENTURES
INIS: Jan 1992; ETDE: Nov 1978
(Commercial or maritime enterprises undertaken by several parties jointly.)
BT1 cooperation
RT industry
RT legal aspects
RT liabilities

JOINTS
(Mechanical joints only; see also BONE JOINTS.)
UF *connections*
SF *junctions*
NT1 bolted joints
NT1 brazed joints
NT1 expansion joints
NT1 pipe joints
NT1 soldered joints
NT1 threaded joints
NT1 welded joints
RT bonding
RT closures
RT compatibility
RT fastening
RT flanges

joints (anatomy)
Use bone joints

JOJOBA
INIS: Jan 1992; ETDE: Nov 1980
UF *simmondsia chinensis*
*BT1 magnoliopsida
*BT1 shrubs
RT arid lands

jominy end-quench technique
See quench hardening

JONES REDUCTOR
INIS: Apr 2000; ETDE: Dec 1974
RT reduction

JOOS-WEINBERG EQUATION
*BT1 differential equations
RT dirac equation
RT quantum electrodynamics
RT relativity theory
RT spin

JORDAN
INIS: Dec 1979; ETDE: Jan 1975
BT1 arab countries
BT1 asia
BT1 developing countries
BT1 middle east

jorum event
Use nuclear explosions
AND underground explosions

jose cabrera reactor
Use zorita-1 reactor

joseph m. farley-1 reactor
Use farley-1 reactor

joseph m. farley-2 reactor
Use farley-2 reactor

JOSEPHSON EFFECT
RT josephson junctions
RT superconductivity

JOSEPHSON JUNCTIONS
BT1 superconducting junctions
RT josephson effect

JOST FUNCTION
BT1 functions
RT scattering
RT schroedinger equation

JOULE HEATING
UF *ohmic plasma heating*
*BT1 electric heating
*BT1 plasma heating
NT1 current-drive heating

joule-thomson effect
See thermodynamics

JOURNAL BEARINGS
BT1 bearings

JOYO REACTOR
UF *efr reactor*

UF *fast experimental breeder reactor japan*
UF *japan fast experimental breeder reactor*
UF *jfer reactor*
*BT1 experimental reactors
*BT1 lmfbr type reactors
*BT1 power reactors

JPDR-2 REACTOR
INIS: Sep 1979; ETDE: Jan 1975
(Tokaimura, Ibaraki, Japan)
UF *japan power demonstration reactor-2*
*BT1 bwr type reactors

JPDR REACTOR
(Tokaimura, Ibaraki, Japan)
UF *japan power demonstration reactor*
*BT1 bwr type reactors
*BT1 experimental reactors

jpfr reactor
Use monju reactor

JPL PROCESS
INIS: Apr 2000; ETDE: Jul 1978
(Coal desulfurization process consisting of sequential steps of chlorination, hydrolysis, and dechlorination.)
*BT1 desulfurization
RT coal preparation

JRR-1 REACTOR
UF *japan research reactor-1*
*BT1 aqueous homogeneous reactors
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 research reactors
*BT1 training reactors

JRR-2 REACTOR
(Tokai Research Establishment of JAERI, Ibaraki Prefecture, Japan)
UF *japan research reactor-2*
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 research reactors
*BT1 tank type reactors

JRR-3 REACTOR
(Tokai Research Establishment of JAERI, Ibaraki Prefecture, Japan. This reactor was shut down in 1983 and replaced in 1990 by the JRR-3M REACTOR.)
UF *japan research reactor-3*
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 materials testing reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 tank type reactors

JRR-3M REACTOR
INIS: Jan 1992; ETDE: Feb 1992
(Tokai Research Establishment of JAERI, Ibaraki Prefecture, Japan. This reactor replaces the JRR-3 Reactor which was shut down in 1983.)
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 materials testing reactors
*BT1 pool type reactors
*BT1 research reactors

JRR-4 REACTOR
(Tokai Research Establishment of JAERI, Ibaraki Prefecture, Japan)
UF *japan research reactor-4*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors

jt-60 reactors
Use jt-60 tokamak

jt-60-su tokamak
Use jt-60u tokamak

JT-60 TOKAMAK
INIS: Jan 1977; ETDE: Apr 1979
UF *jt-60 reactors*
*BT1 tokamak devices
RT jt-60u tokamak

JT-60U TOKAMAK
INIS: Mar 1991; ETDE: Apr 1991
UF *jt-60-su tokamak*
*BT1 tokamak devices
RT jt-60 tokamak

juelich (kernforschungsanlage)
Use forschungszentrum juelich

juelich-dido reactor
Use frj-2 reactor

juelich-merlin reactor
Use frj-1 reactor

juelich storage ring
Use cosy storage ring

juices
Use beverages

JULIC CYCLOTRON
INIS: Jun 1983; ETDE: Mar 1983
*BT1 isochronous cyclotrons

JUNCTION DETECTORS
UF *p-n counters*
*BT1 semiconductor detectors
NT1 li-drifted junction detectors
RT semiconductor junctions

JUNCTION DIODES
UF *zener diodes*
*BT1 semiconductor diodes

JUNCTION TRANSISTORS
*BT1 transistors
RT semiconductor junctions

junctions
See connectors
OR electric contacts
OR joints
OR semiconductor junctions
OR superconducting junctions

junipers
Use cedars

juniperus
Use cedars

JUNO REACTOR
UF *ukaea-juno reactor*
*BT1 heavy water moderated reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water moderated reactors
*BT1 zero power reactors

junta de energia nuclear (portugal) reactor
Use jen reactor

junta de energia nuclear (spain)-1 reactor
Use jen-1 reactor

junta de energia nuclear (spain)-2 reactor
Use jen-2 reactor

JUPITER PLANET
BT1 planets

JURAGUA-1 REACTOR
INIS: Feb 1993; ETDE: Mar 1993
(Juragua, Cienfuegos, Cuba)
*BT1 wwer type reactors

JURASSIC PERIOD
INIS: Apr 1992; ETDE: Oct 1977
*BT1 mesozoic era

justice department
Use us doj

JUTE
*BT1 corchorus
RT fibers
RT textiles

JUVENILES
INIS: Mar 1986; ETDE: Apr 1976
RT adolescents
RT age groups
RT children

jxfr reactor
Use jxfr tokamak

JXFR TOKAMAK
INIS: Jun 1981; ETDE: Jan 1982
UF *jaeri experimental fusion reactor*
UF *jxfr reactor*
*BT1 tokamak devices

K

k-1240 resonances
Use strange mesons

k-1320 resonances
Use k*0-1430 mesons

k-1420 resonances
Use k*2-1430 mesons

K-1460 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 pseudoscalar mesons
*BT1 strange mesons

k-1775 resonances
Use k2-1770 mesons

K-1830 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 pseudoscalar mesons
*BT1 strange mesons

k-1871 resonances
Use strange mesons

k-2130 resonances
Use k*4-2045 mesons

k-25 plant
Use orgdp

k-892 resonances
Use k*-892 mesons

K ABSORPTION
*BT1 absorption

K CAPTURE
*BT1 electron capture decay

K CODES
BT1 computer codes

K CONVERSION
UF *k-conversion coefficient*
*BT1 internal conversion

k-conversion coefficient
Use k conversion

K-HARMONICS METHOD
INIS: Nov 1978; ETDE: Jan 1975
BT1 calculation methods
RT nuclear structure

K MATRIX
BT1 matrices
RT nuclear reactions
RT unitary pole approximation

K REACTOR
UF *savannah river plant k reactor*
*BT1 heavy water moderated reactors
*BT1 special production reactors

K SHELL
INIS: Jul 1976; ETDE: Aug 1976
(Atomic electron shells)
UF *atomic shells (k)*
BT1 electronic structure

K-1410 MESONS*
INIS: Dec 1987; ETDE: Feb 1988
*BT1 strange mesons
*BT1 vector mesons

K-1680 MESONS*
INIS: Jul 1995; ETDE: Jul 1995
*BT1 strange mesons
*BT1 vector mesons

K-892 MESONS*
(Prior to December 1987 this concept was indexed by K-892 RESONANCES.)
UF *k-892 resonances*
*BT1 strange mesons
*BT1 vector mesons

k*0-1350 mesons
Use k*0-1430 mesons

*K*0-1430 MESONS*
(Until December 1987 this concept was indexed by K-1320 RESONANCES; from then until July 1995 it was indexed by K*0-1350 MESONS.)
UF *k*0-1350 mesons*
UF *k-1320 resonances*
*BT1 scalar mesons
*BT1 strange mesons

*K*2-1430 MESONS*
(Prior to December 1987 this concept was indexed by K-1420RESONANCES.)
UF *k-1420 resonances*
*BT1 strange mesons
*BT1 tensor mesons

*K*3-1780 MESONS*
INIS: Dec 1987; ETDE: Feb 1988
*BT1 strange mesons
*BT1 tensor mesons

*K*4-2045 MESONS*
INIS: Sep 1979; ETDE: Aug 1995
(Until December 1987 this concept was indexed by K-2130 RESONANCES; from then until July 1995 it was indexed by K*4-2060 MESONS..)
UF *k*4-2060 mesons*
UF *k-2130 resonances*
*BT1 strange mesons
*BT1 tensor mesons

k*4-2060 mesons
Use k*4-2045 mesons

k*resonances
Use strange mesons

k01
Use kaons neutral short-lived

k02
Use kaons neutral long-lived

K1-1270 MESONS
INIS: Dec 1987; ETDE: Aug 1995
(Until July 1995 this concept was indexed by K1-1280 MESONS.)
UF *k1-1280 mesons*
SF *q enhancement*
SF *q resonances*
*BT1 axial vector mesons
*BT1 strange mesons

k1-1280 mesons
Use k1-1270 mesons

K1-1400 MESONS
INIS: Dec 1987; ETDE: Feb 1988
SF *q enhancement*
SF *q resonances*
*BT1 axial vector mesons
*BT1 strange mesons

K2-1770 MESONS
(Prior to December 1987 this concept was indexed by K-1775RESONANCES.)
UF *k-1775 resonances*
SF *l resonances*
*BT1 strange mesons
*BT1 tensor mesons

K2-1820 MESONS
INIS: Jul 1995; ETDE: Jul 1995
*BT1 strange mesons
*BT1 tensor mesons

KAERI
INIS: Dec 1981; ETDE: Feb 1982
(Korea Atomic Energy Research Institute. Prior to December 1989 this descriptor was used to index Korea Advanced Energy Research Institute.)
UF *korea advanced energy research institute*
UF *korea atomic energy research institute*
*BT1 korean organizations

kahl-main reactor
Use hdr reactor

kahl-vak reactor
Use vak reactor

KAHLERITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 uranium minerals
RT arsenic oxides
RT iron oxides
RT uranium oxides

KAHTER REACTOR
INIS: May 1980; ETDE: Nov 1975
UF *kritische anlage zum htr*
*BT1 htgr type reactors
*BT1 zero power reactors

KAIGA-1 REACTOR
INIS: Feb 1993; ETDE: Mar 1993
(Kaiga, Karnataka, India)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

KAIGA-2 REACTOR
INIS: Feb 1993; ETDE: Mar 1993
(Kaiga, Karnataka, India)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

KAINOSITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 radioactive minerals
*BT1 silicate minerals
RT calcium silicates
RT cerium silicates
RT yttrium silicates

KAISERAUGST REACTOR
*BT1 bwr type reactors

KAKKONDA GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Oct 1979
BT1 geothermal fields
RT japan

KAKRAPAR-1 REACTOR
INIS: Mar 1993; ETDE: Apr 1993
(Surat, Gujarat, India)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

KAKRAPAR-2 REACTOR
INIS: Mar 1993; ETDE: Apr 1993
(Surat, Gajarat, India)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

KALE
INIS: Dec 1991; ETDE: Jan 1975
*BT1 brassica

KALININ-1 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
(Kalinin NPP, Kalinin, Russian Federation)
*BT1 wwer type reactors

KALININ-3 REACTOR
INIS: Jan 1990; ETDE: Feb 1990
(Kalinin NPP, Kalinin, Russian Federation.)
*BT1 wwer type reactors

kalkar power reactor
Use snr reactor

KALLIKREIN
(Prior to January 1981 this was a valid ETDE descriptor. From January 1981 to November 1 990 this material was indexed to KININOGENIN.)
UF *kininogenin*
*BT1 blood coagulation factors
*BT1 radioprotective substances
*BT1 serine proteinases

KALPAKKAM-1 REACTOR
(Kalpakkam, Tamilnadu, India)
*BT1 natural uranium reactors

*BT1 phwr type reactors
*BT1 pressure tube reactors

KALPAKKAM-2 REACTOR
(Kalpakkam, Tamilnadu, India)
*BT1 natural uranium reactors
*BT1 phwr type reactors
*BT1 pressure tube reactors

KALPAKKAM LMFBR REACTOR
(Kalpakkam, Tamilnadu, India.)
UF *fast breeder test reactor (kalpakkam)*
UF *fbtr reactor (kalpakkam)*
UF *test fast breeder reactor kalpakkam*
*BT1 lmfbr type reactors
*BT1 test reactors

KALPAKKAM PFR REACTOR
INIS: Oct 1975; ETDE: Dec 1975
(Kalpakkam, Tamilnadu, India.)
UF *kalpakkam pulsed fast reactor*
*BT1 air cooled reactors
*BT1 fast reactors
*BT1 pulsed reactors
*BT1 research and test reactors

kalpakkam pulsed fast reactor
Use kalpakkam pfr reactor

kalpakkam reactor research center
Use igcar

KALUZA-KLEIN THEORY
INIS: Jan 1984; ETDE: Feb 1984
(Approach to unify electromagnetism and gravitation in the framework of general relativity theory by introducing a fifth space-time coordinate, the generator of which is the electric charge.)
*BT1 unified-field theories
RT compactification
RT electromagnetism
RT general relativity theory
RT gravitation
RT supergravity
RT unified gauge models

KAMCHATKA
INIS: Jun 1992; ETDE: Jun 1978
*BT1 russian federation

KAMINI REACTOR
INIS: Dec 1989; ETDE: Jan 1990
(IGCAR, Kalpakkam, Tamilnadu, India.)
*BT1 research and test reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

KAMOJANG GEOTHERMAL FIELD
INIS: Jun 1992; ETDE: Mar 1980
BT1 geothermal fields
RT indonesia

kangaroo rat
Use rodents

kangaroos
Use marsupials

kansai-1 reactor
Use mihama-1 reactor

kansai-2 reactor
Use mihama-2 reactor

kansai-3 reactor
Use takahama-1 reactor

kansai-4 reactor
Use takahama-2 reactor

KANSAS
*BT1 usa
RT chattanooga formation
RT missouri river
RT permian basin

KANSAS CITY PLANT
INIS: Feb 1991; ETDE: May 1988
(US DOE Facility in Kansas City, Missouri.)
*BT1 us doe
*BT1 us erda
RT missouri

kansas state university triga mk-2 reactor
Use triga-2-kansas reactor

KANTHAL
INIS: Apr 2000; ETDE: Dec 1974
*BT1 aluminium alloys
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 iron base alloys

KANUPP REACTOR
(Paradise Point, Sind, Pakistan)
UF *karachi nuclear power plant*
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

KAOLIN
(A group of clay minerals, mainly hydrous aluminium silicate.)
UF *china clay*
*BT1 clays
*BT1 oxide minerals
RT kaolinite

KAOLINITE
INIS: Jul 1992; ETDE: Jun 1975
(Hydrous silicate of aluminium that constitutes the principal mineral in kaolin.)
*BT1 silicate minerals
RT aluminium silicates
RT kaolin

KAON BEAMS
*BT1 meson beams

KAON DETECTION
INIS: Feb 1976; ETDE: Jan 1975
*BT1 radiation detection

kaon-deuteron interactions
Use kaon-neutron interactions
AND kaon-proton interactions

KAON-HYPERON INTERACTIONS
*BT1 meson-hyperon interactions

KAON-KAON INTERACTIONS
*BT1 meson-meson interactions

kaon minus-deuteron interactions
Use kaon minus-neutron interactions
AND kaon minus-proton interactions

KAON MINUS-NEUTRON INTERACTIONS
INIS: Jan 1977; ETDE: Jul 1976
UF+ *kaon minus-deuteron interactions*
*BT1 kaon-neutron interactions

KAON MINUS-PROTON INTERACTIONS
INIS: Jan 1977; ETDE: Jul 1976
UF+ *kaon minus-deuteron interactions*
*BT1 kaon-proton interactions

KAON MINUS REACTIONS
INIS: Mar 1977; ETDE: Jul 1976
*BT1 kaon reactions

kaon neutral-deuteron interactions
Use kaon neutral-neutron interactions
AND kaon neutral-proton interactions

KAON NEUTRAL-NEUTRON INTERACTIONS
INIS: Sep 1979; ETDE: Jul 1976
UF+ *kaon neutral-deuteron interactions*
*BT1 kaon-neutron interactions

KAON NEUTRAL-PROTON INTERACTIONS
INIS: Jun 1977; ETDE: Jul 1976
UF+ *kaon neutral-deuteron interactions*
*BT1 kaon-proton interactions

KAON NEUTRAL REACTIONS
INIS: Sep 1979; ETDE: Jul 1976
*BT1 kaon reactions

KAON-NEUTRON INTERACTIONS
(From February 1975 until March 1996 KAON-DEUTERON INTERACTIONS was a valid ETDE descriptor.)
UF+ *kaon-deuteron interactions*
*BT1 kaon-nucleon interactions
NT1 kaon minus-neutron interactions
NT1 kaon neutral-neutron interactions
NT1 kaon plus-neutron interactions

KAON-NUCLEON INTERACTIONS
*BT1 meson-nucleon interactions
NT1 kaon-neutron interactions
NT2 kaon minus-neutron interactions
NT2 kaon neutral-neutron interactions
NT2 kaon plus-neutron interactions
NT1 kaon-proton interactions
NT2 kaon minus-proton interactions
NT2 kaon neutral-proton interactions
NT2 kaon plus-proton interactions

kaon plus-deuteron interactions
Use kaon plus-neutron interactions
AND kaon plus-proton interactions

KAON PLUS-NEUTRON INTERACTIONS
INIS: Jan 1977; ETDE: Jul 1976
UF+ *kaon plus-deuteron interactions*
*BT1 kaon-neutron interactions

KAON PLUS-PROTON INTERACTIONS
INIS: Jan 1977; ETDE: Jul 1976
UF+ *kaon plus-deuteron interactions*
*BT1 kaon-proton interactions

KAON PLUS REACTIONS
INIS: Sep 1977; ETDE: Jul 1976
*BT1 kaon reactions

KAON-PROTON INTERACTIONS
(From February 1975 until March 1996 KAON-DEUTERON INTERACTIONS was a valid ETDE descriptor.)
UF+ *kaon-deuteron interactions*
*BT1 kaon-nucleon interactions
NT1 kaon minus-proton interactions
NT1 kaon neutral-proton interactions
NT1 kaon plus-proton interactions

KAON REACTIONS
*BT1 meson reactions
NT1 kaon minus reactions
NT1 kaon neutral reactions

NT1 kaon plus reactions

KAONIC ATOMS
*BT1 mesic atoms
RT kaonium

KAONIUM
INIS: Nov 1985; ETDE: Dec 1985
RT bound state
RT kaonic atoms
RT kaons minus
RT kaons plus
RT muonium
RT pionium

KAONS
*BT1 pseudoscalar mesons
*BT1 strange mesons
NT1 antikaons
NT2 antikaons neutral
NT1 cosmic kaons
NT1 kaons minus
NT1 kaons neutral
NT2 antikaons neutral
NT2 kaons neutral long-lived
NT2 kaons neutral short-lived
NT1 kaons plus
RT pi-k atoms

kaons 1
Use kaons neutral short-lived

kaons 2
Use kaons neutral long-lived

KAONS MINUS
*BT1 kaons
RT kaonium

KAONS NEUTRAL
*BT1 kaons
NT1 antikaons neutral
NT1 kaons neutral long-lived
NT1 kaons neutral short-lived

KAONS NEUTRAL LONG-LIVED
UF *k02*
UF *kaons 2*
*BT1 kaons neutral

KAONS NEUTRAL SHORT-LIVED
UF *k01*
UF *kaons 1*
*BT1 kaons neutral

KAONS PLUS
*BT1 kaons
RT kaonium

KAPITZA RESISTANCE
BT1 thermal boundary resistance

KAPL
UF *knolls atomic power laboratory*
*BT1 us aec
*BT1 us doe
*BT1 us erda
RT new york

kappa-725 resonances
Use mesons

kapur-peierls method
Use peierls method

karachi nuclear power plant
Use kanupp reactor

karlsruhe (forschungszentrum)
Use forschungszentrum karlsruhe

karlsruhe (kernforschungszentrum)
Use forschungszentrum karlsruhe

KARLSRUHE CYCLOTRON
*BT1 isochronous cyclotrons

karlsruhe nuclear research center
Use forschungszentrum karlsruhe

karlsruhe reprocessing plant
Use wak

karlsruhe research reactor fr-2
Use fr-2 reactor

KARTINI-PPNY REACTOR
INIS: Nov 1996; ETDE: Oct 1996
(Yogyakarta, Indonesia.)
*BT1 research reactors
*BT1 triga type reactors

KARYOTYPE
RT acrocentric chromosomes
RT chromosomal aberrations
RT chromosomes
RT genome mutations
RT human chromosomes

kashima-1 reactor
Use shimane-1 reactor

kashima-2 reactor
Use shimane-2 reactor

kashiwazaki-1 reactor
Use kashiwazaki-kariwa-1 reactor

KASHIWAZAKI-KARIWA-1 REACTOR
INIS: Jan 1987; ETDE: Sep 1989
(Niigata, Japan.)
UF *kashiwazaki-1 reactor*
UF *tokyo-denrioku k-1 reactor*
*BT1 bwr type reactors

KASHIWAZAKI-KARIWA-2 REACTOR
INIS: Apr 1985; ETDE: May 1985
(Niigata, Japan.)
UF *tokyo-denryoku k-2 reactor*
*BT1 bwr type reactors

KASHIWAZAKI-KARIWA-3 REACTOR
INIS: Oct 1991; ETDE: Aug 1994
(Niigata, Japan)
*BT1 bwr type reactors

KASHIWAZAKI-KARIWA-4 REACTOR
INIS: Dec 1990; ETDE: Jan 1991
(Niigata, Japan.)
*BT1 bwr type reactors

KASHIWAZAKI-KARIWA-5 REACTOR
INIS: Nov 1988; ETDE: Dec 1988
(Niigata, Japan.)
*BT1 bwr type reactors

KASHIWAZAKI-KARIWA-6 REACTOR
INIS: Sep 1989; ETDE: Oct 1989
(Niigata, Japan.)
*BT1 bwr type reactors

KASHIWAZAKI-KARIWA-7 REACTOR
INIS: Sep 1989; ETDE: Oct 1989
(Niigata, Japan.)
*BT1 bwr type reactors

kasseri event
Use anvil project

kawasaki-hitachi training reactor
Use htr reactor

KAWERAU GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Jan 1975
BT1 geothermal fields
RT geothermal hot-water systems
RT new zealand

KAZAKHSTAN
INIS: Feb 1993; ETDE: Aug 1997
(Until January 1993, this was indexed by USSR. Between January 1997 and July 1997 the descriptor was spelled KAZAKSTAN.)
UF *kazakstan*
SF *soviet union*
SF *union of soviet socialist republics*
SF *ussr*
BT1 asia
BT1 developing countries
RT aral sea
RT caspian sea
RT semipalatinsk test site
RT urals

KAZAKHSTAN CYCLOTRON
(Between January 1997 and July 1997 this descriptor was spelled KAZAKSTAN CYCLOTRON.)
UF *kazakstan cyclotron*
*BT1 isochronous cyclotrons

kazakhstan ewg-1 reactor
Use ewg-1 reactor

kazakhstan igr reactor
Use igr reactor

KAZAKHSTAN ORGANIZATIONS
INIS: Jul 1999; ETDE: Aug 1999
BT1 national organizations

kazakstan
Use kazakhstan

kazakstan cyclotron
Use kazakhstan cyclotron

KBR-1 REACTOR
INIS: Jul 1988; ETDE: Jan 1975
(Soviet annular oscillator fast reactor.)
UF *cobra reactor*
*BT1 fast reactors
*BT1 zero power reactors

KBW GASIFICATION PROCESS
INIS: Apr 2000; ETDE: Dec 1982
(Entrained flow coal gasification process under development by Koppers and Babcock & Wilcox.)
*BT1 coal gasification

kcb reactor
Use borssele reactor

kdf computers
Use computers

KECEROVCE-1 REACTOR
INIS: Jan 1990; ETDE: Feb 1990
(East Slovakia.)
*BT1 wwer type reactors

keelson event
Use anvil project

kek intersecting storage accelerator
Use tristan storage rings

KEK LINAC
*BT1 linear accelerators

KEK PHOTON FACTORY
INIS: Jul 1984; ETDE: Aug 1984
*BT1 synchrotron radiation sources
RT linear accelerators
RT storage rings
RT synchrotron radiation

KEK SYNCHROTRON
(Japan National Laboratory for High Energy Physics Synchrotron)
UF *tsukuba kek synchrotron*
*BT1 synchrotrons

KEL-F
*BT1 organic chlorine compounds
*BT1 organic fluorine compounds
*BT1 polyethylenes

KELLOGG PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(M. W. Kellogg company process for producing high-btu gas in which synthesis gas, produced by using molten salt (sodium carbonate) to provide heat and possibly catalyze the reaction, is methanated.)
UF *molten salt process (kellogg)*
*BT1 coal gasification
BT1 sng processes
RT high btu gas

kellogg rust westinghouse process
Use krw gasification process

kelp
Use seaweeds

kelvin-helmholtz instability
Use helmholtz instability

kema suspension test reactor
Use kstr reactor

KENNEBEC RIVER
INIS: Jun 1992; ETDE: Oct 1980
*BT1 rivers
RT maine

KENTUCKY
*BT1 usa
RT chattanooga formation
RT cumberland river
RT illinois basin
RT mississippi river
RT ohio river
RT paducah plant
RT shawnee steam plant
RT tennessee river
RT tennessee valley region

KENYA
BT1 africa
BT1 developing countries

kepco oshima oi-1 reactor
Use oi-1 reactor

kepco oshima oi-2 reactor
Use oi-2 reactor

KEPONE
INIS: Apr 2000; ETDE: Sep 1978
*BT1 insecticides
RT organic chlorine compounds

KERATIN
*BT1 scleroproteins

KERMA
(Total kinetic energy of charged particles produced by ionizing radiation per unit mass of irradiated material in ergs per gram.)
RT ionization
RT kinetic energy
RT radiation doses

KERNELS
NT1 point kernels
RT integral equations

kernels (fuel)
Use fuel particles

kernels (slowing-down)
Use slowing-down kernels

kernenergiecentrale borssele reactor
Use borssele reactor

kernforschungsanlage juelich
Use forschungszentrum juelich

kernforschungszentrum karlsruhe
Use forschungszentrum karlsruhe

kernfysisch versneller instituut
Use kvi

kernfysisch versneller instituut cyclotron
Use kvi cyclotron

kernkraftwerk biblis
Use biblis-1 reactor

kernkraftwerk biblis-3
Use biblis-3 reactor

kernkraftwerk biblis-4
Use biblis-4 reactor

kernkraftwerk biblis-a
Use biblis-1 reactor

kernkraftwerk biblis-b
Use biblis-2 reactor

kernkraftwerk brokdorf
Use brokdorf reactor

kernkraftwerk emsland
Use emsland reactor

kernkraftwerk goesgen-daeniken
Use goesgen reactor

kernkraftwerk isar
Use isar reactor

kernkraftwerk isar-2
Use isar-2 reactor

kernkraftwerk lingen
Use lingen reactor

kernkraftwerk niederaichbach
Use niederaichbach reactor

kernkraftwerk obrigheim
Use obrigheim reactor

kernkraftwerk philippsburg-1
Use philippsburg-1 reactor

kernkraftwerk philippsburg-2
Use philippsburg-2 reactor

kernkraftwerk rwe-bayernwerk
Use rwe-bayernwerk reactor

kernkraftwerk stade
Use stade reactor

kernkraftwerk vahnum-1
Use vahnum-1 reactor

kernkraftwerk vahnum-2
Use vahnum-2 reactor

kernkraftwerk wuergassen
Use wuergassen reactor

KEROGEN
INIS: Jan 1976; ETDE: Jan 1975
(Solid, bituminous mineraloid substance in oil shales that yields oil when shales undergo destructive distillation.)
*BT1 bituminous materials
*BT1 organic matter
RT oil shales
RT shale oil

KEROSENE
*BT1 gas oils
*BT1 liquid fuels
RT automotive fuels

KERR EFFECT
*BT1 dielectric properties
RT magneto-optical effects
RT polarization
RT visible radiation

KERR FIELD
BT1 gravitational fields
RT axial symmetry
RT black holes
RT einstein field equations
RT kerr metric

KERR METRIC
BT1 metrics
RT kerr field

KETENES
*BT1 organic oxygen compounds
RT carboxylic acids

KETO ACIDS
(For carboxyl acids only.)
UF *oxocarboxylic acids*
*BT1 carboxylic acids
NT1 acetoacetic acid
NT1 kynurenine
NT1 levulinic acid
NT1 pyruvic acid

ketobutyric acid-beta
Use acetoacetic acid

KETONES
(Most of the UF terms below have been valid ETDE descriptors.)
UF *ninhydrin*
UF *triketohydrindane*
UF+ *acridones*
UF+ *aminopropiophenone-para*
UF+ *dianabol*
UF+ *ndpp*
UF+ *papp*
UF+ *phloredzin*
UF+ *phlorhizin*
UF+ *phlorizin*
UF+ *violanthrone*
BT1 organic compounds
NT1 2-3-pentanedione
NT1 acetone
NT1 acetophenone

NT1 acetylacetone
NT1 androstenedione
NT1 androsterone
NT1 benzophenone
NT1 camphor
NT1 corticosteroids
NT2 glucocorticoids
NT3 corticosterone
NT3 cortisone
NT3 dexamethasone
NT3 hydrocortisone
NT3 prednisolone
NT3 prednisone
NT2 mineralocorticoids
NT3 aldosterone
NT1 curcumin
NT1 cyclohexanone
NT1 estrone
NT1 fructose
NT1 hydroxyandrostenone
NT1 hydroxypregnenone
NT1 methyl isobutyl ketone
NT1 pop
NT1 progesterone
NT1 ribulose
NT1 sorbose
NT1 testosterone
NT1 triacetoneamine-n-oxyl
NT1 tropones
NT1 tta
RT enols
RT hydrazones
RT imines
RT luminol
RT oximes
RT quinones
RT semicarbazones

ketopropionic acid-alpha
Use pyruvic acid

ketosteroids (urinary)
Use urinary ketosteroids

ketovaleric acid-gamma
Use levulinic acid

KEV RANGE
BT1 energy range
NT1 kev range 01-10
NT1 kev range 10-100
NT1 kev range 100-1000

KEV RANGE 01-10
*BT1 kev range

KEV RANGE 10-100
*BT1 kev range

KEV RANGE 100-1000
*BT1 kev range

kevlar
Use aramids

KEWAUNEE REACTOR
(Carlton, Wisconsin, USA)
UF *carlton power reactor*
UF *wisconsin public service power reactor*
*BT1 pwr type reactors

KEWB REACTOR
UF *kinetic experiment water boiler*
*BT1 aqueous homogeneous reactors

KEY LAKE MINE
INIS: Jul 1991; ETDE: Jul 1991
*BT1 uranium mines
RT saskatchewan

kfki reactor
Use wwr-s-budapest reactor

KGRA
INIS: Apr 2000; ETDE: May 1976
UF *known geothermal resource area*
NT1 klamath falls
NT1 roosevelt hot springs
NT1 wendell-amedee hot springs
RT geothermal fields

KHALATNIKOV THEORY
RT superfluidity
RT thermodynamics

KHARKOV LINAC
*BT1 linear accelerators

KHMELNITSKIJ-1 REACTOR
INIS: Sep 1989; ETDE: Oct 1989
(Ukraine)
*BT1 wwer type reactors

khuri representation
See dispersion relations
OR mandelstam representation
OR scattering

KHZ RANGE
BT1 frequency range
NT1 khz range 01-100
NT1 khz range 100-1000

KHZ RANGE 01-100
*BT1 khz range

KHZ RANGE 100-1000
*BT1 khz range

KICKER MAGNETS
INIS: Oct 1981; ETDE: May 1979
(Magnets used to deflect charged-particle beam for extraction from an accelerator.)
*BT1 magnets
RT beam extraction
RT beam optics

kicksorters
Use pulse analyzers

kidney stones
Use calculi
AND kidneys

KIDNEYS
UF+ *kidney stones*
UF+ *mechanical kidney*
*BT1 organs
NT1 glomeruli
NT1 tubules
RT blood circulation
RT calculi
RT diuretics
RT excretion
RT nephrectomy
RT nephritis
RT nephrosclerosis
RT renal clearance
RT renin
RT renography
RT uremia
RT urinary tract
RT urine
RT urogenital system diseases

kieselguhr
Use diatomaceous earth

KIEV CYCLOTRON
INIS: Dec 1981; ETDE: Feb 1982
*BT1 isochronous cyclotrons

kiev wwr-m reactor
Use wwr-m-kiev reactor

kihara core
Use kihara potential

KIHARA POTENTIAL
UF *kihara core*
UF *kihara theory*
BT1 potentials
RT atoms
RT molecules

kihara theory
Use kihara potential

KIKUCHI LINES
RT crystal structure
RT dislocations
RT electron diffraction

KILAUEA VOLCANO
INIS: Jun 1992; ETDE: Dec 1977
BT1 volcanoes
RT hawaii

kiln incinerators
Use incinerators

KILNGAS PROCESS
INIS: Apr 2000; ETDE: Sep 1981
(Low btu gasification process being developed by Allis-Chalmers based on a rotary ported kiln concept.)
*BT1 coal gasification

KILNS
INIS: Mar 1992; ETDE: Sep 1977
(Heated enclosures used for drying, burning, or firing materials.)
NT1 solar kilns
RT furnaces

KILO AMP BEAM CURRENTS
(From 1000 to 10 exp 6 amp.)
*BT1 beam currents

KILOWATT POWER RANGE
INIS: Apr 1988; ETDE: Aug 1989
BT1 power range
NT1 power range 01-10 kw
NT1 power range 10-100 kw
NT1 power range 100-1000 kw

KIMBERLITES
*BT1 lamprophyres
*BT1 peridotites
RT apatites
RT mica
RT olivine
RT oxide minerals
RT perovskite
RT silicate minerals

kinases
Use phosphotransferases

kinases (phosphotransferases)
Use phosphotransferases

kinematics (particle)
Use particle kinematics

KINETIC ENERGY
BT1 energy
NT1 transverse energy
RT angular momentum
RT cold fission
RT kerma
RT lagrangian function
RT linear momentum
RT moment of inertia

RT motion
RT particle rapidity
RT potential energy
RT velocity
RT virial theorem

KINETIC EQUATIONS
(For reactor kinetics see REACTOR KINETICS EQUATIONS.)
BT1 equations
NT1 boltzmann equation
RT collisions
RT gases
RT plasma
RT statistical mechanics

kinetic experiment water boiler
Use kewb reactor

kinetic intense neutron generator
Use king reactor

KINETICS
NT1 radionuclide kinetics
NT1 reaction kinetics
NT2 biochemical reaction kinetics
NT3 cpb
NT2 chemical reaction kinetics
NT3 combustion kinetics
NT2 nuclear reaction kinetics
NT1 reactor kinetics
RT collisions
RT deck effect
RT dynamics
RT gases
RT mechanics
RT motion
RT statistical mechanics
RT translocation

kinetics equations (reactor)
Use reactor kinetics equations

KINETIN
UF *6-furfurylaminopurine*
*BT1 adenines
RT furans
RT plant growth
RT plant growth regulators

KING REACTOR
UF *kinetic intense neutron generator*
*BT1 research reactors

KINGSTON STEAM PLANT
INIS: Jun 1992; ETDE: Nov 1981
*BT1 fossil-fuel power plants
RT tennessee
RT tennessee valley authority

kininogenin
Use kallikrein

KININS
*BT1 polypeptides
NT1 bradykinin

KINK INSTABILITY
*BT1 plasma macroinstabilities
RT sawtooth oscillations

kinki university utr-10 reactor
Use utr-10-kinki reactor

KINSHASA
INIS: Apr 2000; ETDE: Dec 1974
*BT1 democratic republic of the congo

KIRCHHEIMERITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 uranium minerals
RT arsenic oxides
RT cobalt oxides
RT uranium oxides

KIRIBATI
INIS: Mar 1991; ETDE: Apr 1991
*BT1 micronesia
RT pacific ocean

KIRKENDALL EFFECT
RT diffusion

KISLOGUBSK POWER PLANT
INIS: Apr 2000; ETDE: Jun 1975
*BT1 tidal power plants

kisslinger model
Use optical models

KISSLINGER-SORENSEN THEORY
RT nuclear models
RT superconductivity

KIVITER PROCESS
INIS: Apr 2000; ETDE: Mar 1977
(Coarsely sized shale is processed in downflow retort, with the raw shale preheating section near the top. Hot recycle gases and gas burner provide heat.)
RT oil shales

KIWI REACTORS
INIS: May 1980; ETDE: Jan 1975
(Prior to August 1985 KIWI TYPE REACTORS was used.)
UF *kiwi type reactors*
*BT1 hydrogen cooled reactors
*BT1 space propulsion reactors
NT1 kiwi-tnt reactor

KIWI-TNT REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *kiwi-transient test reactor*
UF *tntr-kiwi*
UF *transient nuclear test reactor-kiwi*
*BT1 experimental reactors
*BT1 kiwi reactors

kiwi-transient test reactor
Use kiwi-tnt reactor

kiwi type reactors
Use kiwi reactors

KIZILDERE GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Jul 1976
BT1 geothermal fields
RT turkey

KJELDAHL METHOD
RT nitrogen
RT quantitative chemical analysis

kkb reactor
See brunsbuettel reactor

kki isar
Use isar reactor

kki isar-2
Use isar-2 reactor

kkk reactor
Use kruemmel reactor

kkn reactor
Use niederaichbach reactor

kkp-1 philippsburg reactor
Use philippsburg-1 reactor

kkp-2 philippsburg reactor
Use philippsburg-2 reactor

kks reactor
Use stade reactor

kku reactor
Use unterweser reactor

kkw greifswald-1 reactor
Use greifswald-1 reactor

kkw greifswald-2 reactor
Use greifswald-2 reactor

kkw greifswald-3 reactor
Use greifswald-3 reactor

kkw greifswald-4 reactor
Use greifswald-4 reactor

kkw greifswald-5 reactor
Use greifswald-5 reactor

kkw greifswald-6 reactor
Use greifswald-6 reactor

KLAMATH FALLS
INIS: Apr 2000; ETDE: Feb 1982
BT1 kgra
RT geothermal fields
RT oregon

KLEBSIELLA
INIS: Jul 1993; ETDE: Jul 1979
*BT1 bacteria

KLEIN-GORDON EQUATION
*BT1 field equations
*BT1 wave equations
RT quantum mechanics

KLEIN-NISHINA FORMULA
RT compton effect

KLOCKNER-IRON BATH COAL GASIFICATION PROCESS
INIS: Apr 2000; ETDE: Aug 1993
(Gasification in a liquid iron bath under pressure containing sulfur fixation agent with coal and oxygen fed from the bottom.)
*BT1 coal gasification

KLYSTRONS
*BT1 microwave tubes
RT gyrocons
RT magnetrons
RT power supplies
RT rf systems

kmr reactor
Use hanaro reactor

KNIGHT EFFECT
RT spectral shift

KNIGHT SHIFT
RT nuclear magnetic resonance
RT spectral shift

knipp-bloch theory
Use knipp-uhlenbeck theory

KNIPP-UHLENBECK THEORY
UF *knipp-bloch theory*
RT beta decay

KNK-2 REACTOR
(Leopoldshafen, Karlsruhe, Federal Republic of Germany)
*BT1 enriched uranium reactors
*BT1 experimental reactors

*BT1 fast reactors
*BT1 power reactors
*BT1 sodium cooled reactors
*BT1 szr type reactors

KNK REACTOR
(Leopoldshafen, Karlsruhe, Federal Republic of Germany)
UF *kompakte natriumgekuehlte reaktor*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 power reactors
*BT1 sodium cooled reactors
*BT1 szr type reactors
*BT1 thermal reactors

KNOCK CONTROL
INIS: Feb 1992; ETDE: Mar 1981
BT1 control
RT antiknock ratings
RT automotive fuels
RT combustion
RT control equipment
RT internal combustion engines

KNOCK-ON
RT recoils

knock-on electrons
Use electrons

KNOCK-ON REACTIONS
*BT1 direct reactions
RT knock-out reactions

KNOCK-OUT REACTIONS
*BT1 direct reactions
RT knock-on reactions
RT recoils

knolls atomic power laboratory
Use kapl

KNOOP HARDNESS
RT hardness

KNOWLEDGE BASE
INIS: Dec 1991; ETDE: Sep 1985
(Facts, assumptions, beliefs, and heuristics; used in dealing with a data base to achieve desired results such as a diagnosis, an interpretation or a solution to a problem.)
RT artificial intelligence
RT expert systems
RT programming

known geothermal resource area
Use kgra

knu-10 reactor
Use ulchin-2 reactor

knu-9 reactor
Use ulchin-1 reactor

knudsen effusion
Use knudsen flow

KNUDSEN FLOW
UF *knudsen effusion*
UF *knudsen number*
*BT1 gas flow
RT vapor pressure

KNUDSEN GAGES
*BT1 vacuum gages

knudsen number
Use knudsen flow

KOBAYASHI-MASKAWA MATRIX
INIS: Jan 1984; ETDE: Feb 1984
(Matrix describing the mixing between the three quark-lepton generations (u,d,e), (c,s,mu) and (t,b,tau) as a generalization of Cabibbo mixing with allowance of CP violation in the charged-current transition amplitude.)
UF *mixing matrix (kobayashi-maskawa)*
BT1 matrices
RT cabibbo angle
RT configuration mixing
RT cp invariance
RT flavor model
RT standard model

KOEBERG-1 REACTOR
INIS: Nov 1975; ETDE: Dec 1975
(Duynefontein, Cape, South Africa)
UF *escom-1 reactor*
*BT1 pwr type reactors

KOEBERG-2 REACTOR
INIS: Jan 1982; ETDE: Feb 1978
*BT1 pwr type reactors

KOLA-1 REACTOR
INIS: Oct 1981; ETDE: Jun 1978
*BT1 wwer type reactors

KOLA-2 REACTOR
INIS: Oct 1981; ETDE: Jun 1978
*BT1 wwer type reactors

KOLA-3 REACTOR
INIS: Oct 1981; ETDE: Nov 1981
*BT1 wwer type reactors

KOLA-4 REACTOR
INIS: Oct 1981; ETDE: Nov 1981
*BT1 wwer type reactors

kolmogorov equation
See chapman-kolmogorov equation
OR fokker-planck equation

kompakte natriumgekuehlte reaktor
Use knk reactor

KONDO EFFECT
RT antiferromagnetic materials

KONEL
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 iron alloys
*BT1 nickel base alloys
*BT1 titanium alloys

KONRAD ORE MINE
INIS: Nov 1989; ETDE: Dec 1989
*BT1 mines
*BT1 radioactive waste facilities
RT intermediate-level radioactive wastes
RT low-level radioactive wastes
RT shaft excavations
RT underground disposal

KOONGARRA DEPOSIT
INIS: Jul 1978; ETDE: Aug 1978
*BT1 uranium deposits
RT northern territory
RT uranium ores

KOPPERS PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(A process for production of water gas or synthesis gas from coal dust.)
*BT1 coal gasification

KOPPERS-TOTZEK PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(A process in which all types of coal can be reacted at atmospheric pressure and 3300 degrees F with steam and oxygen in a gasifier (a refractory-lined, horizontal, cylindrical vessel with conical ends) to produce intermediate- or high-btu gas.)
*BT1 coal gasification
RT sng processes

koppers vacuum carbonate process
Use desulfurization

korea (north)
Use north korea

korea (south)
Use republic of korea

korea advanced energy research institute
Use kaeri

korea atomic energy research institute
Use kaeri

KOREAN ORGANIZATIONS
INIS: Dec 1981; ETDE: Feb 1982
BT1 national organizations
NT1 kaeri

korean triga-mk-2 reactor
Use triga-2-seoul reactor

korean triga-mk-3 reactor
Use triga-3-seoul reactor

KORI-1 REACTOR
UF *pusan kori-1 reactor*
*BT1 pwr type reactors

KORI-2 REACTOR
INIS: Sep 1986; ETDE: Apr 1977
UF *pusan kori-2 reactor*
*BT1 pwr type reactors

KORI-3 REACTOR
INIS: Jan 1995; ETDE: Jan 1995
UF *pusan kori-3 reactor*
*BT1 pwr type reactors

KORI-4 REACTOR
INIS: Jan 1995; ETDE: Jan 1995
UF *pusan kori-4 reactor*
*BT1 pwr type reactors

KORTEWEG-DE VRIES EQUATION
*BT1 partial differential equations

KOSHKONONG-1 REACTOR
(As of July 1978 known as HAVEN-1 REACTOR, and from that date material is so indexed.)
*BT1 haven-1 reactor

KOSHKONONG-2 REACTOR
(As of July 1978 known as HAVEN-2 REACTOR, and from that date material is so indexed.)
*BT1 haven-2 reactor

KOSMOS SATELLITES
BT1 satellites
RT interkosmos satellites
RT proton satellites

KOSSEL METHOD
RT laue method

KOSTERLITZ-THOULESS THEORY
INIS: Jan 1992; ETDE: Mar 1991
RT high-tc superconductors
RT phase transformations
RT superconductivity
RT superfluidity

KOVAR
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-fe53ni29co18

KOZLODUY-1 REACTOR
INIS: Mar 1977; ETDE: Jun 1975
(Kozloduy, Bulgaria. Prior to December 1990, this descriptor was spelled KOZLODUJ-1 REACTOR.)
*BT1 wwer type reactors

KOZLODUY-2 REACTOR
INIS: Mar 1977; ETDE: Jun 1975
(Kozloduy, Bulgaria. Prior to December 1990, this descriptor was spelled KOZLODUJ-2 REACTOR.)
*BT1 wwer type reactors

KOZLODUY-3 REACTOR
INIS: Oct 1985; ETDE: Jan 1991
(Kozloduy, Bulgaria. Prior to December 1990, this descriptor was spelled KOZLODUJ-3 REACTOR.)
*BT1 wwer type reactors

KOZLODUY-4 REACTOR
INIS: May 1993; ETDE: Aug 1994
(Kozloduy, Bulgaria)
*BT1 wwer type reactors

KOZLODUY-5 REACTOR
INIS: Feb 1993; ETDE: Mar 1993
(Kozloduy, Bulgaria)
*BT1 wwer type reactors

KOZLODUY-6 REACTOR
INIS: May 1993; ETDE: Aug 1994
(Kozloduy, Bulgaria)
*BT1 wwer type reactors

KRAFLA GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Apr 1978
BT1 geothermal fields
RT iceland

KRAMERS-KRONIG CORRELATION
BT1 correlations

KRAMERS THEOREM
RT quantum mechanics

krb ii-b reactor
Use gundremmingen-2 reactor

krb ii-c reactor
Use gundremmingen-3 reactor

krb reactor
Use rwe-bayernwerk reactor

KREBS CYCLE
BT1 biological pathways
RT metabolism
RT metabolites
RT mitochondria
RT respiration

KRIGING
INIS: Apr 1993; ETDE: Oct 1983
(A statistical method for estimating spatial and/or temporal distribution of a material based on the theory of regionalized variables.)
SF *geostatistics*
*BT1 statistics
RT geologic surveys
RT statistical models
RT weighting functions

kritische anlage zum htr
Use kahter reactor

krito critical assembly
Use stek reactor

KRITZ REACTOR
INIS: Feb 1993; ETDE: Jan 1975
(Studsvik High Temperature Critical Facility.)
*BT1 zero power reactors

KROLL PROCESS
RT reduction
RT titanium

KROLL-RUDERMAN THEOREM
(Prior to March, 1989, this descriptor was spelled KROLL-RUDERMANN THEOREM.)
RT photoproduction

krov machine
See rotary engines
OR rotors
OR turbines

KRSKO REACTOR
INIS: Jan 1978; ETDE: May 1975
(Krsko, Slovenia)
*BT1 pwr type reactors

KRUEMMEL REACTOR
UF *kkk reactor*
*BT1 bwr type reactors

KRUSKAL LIMIT
RT electric currents
RT stellarators

KRW GASIFICATION PROCESS
INIS: Apr 2000; ETDE: Jul 1985
(Formerly WESTINGHOUSE GASIFICATION process; Kellogg Rust is majority owner.)
UF *kellogg rust westinghouse process*
*BT1 coal gasification
RT westinghouse gasification process

KRYPTON
*BT1 rare gases

KRYPTON 69
INIS: Sep 1998; ETDE: Jun 1997
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes

KRYPTON 70
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes

KRYPTON 71
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes
*BT1 milliseconds living radioisotopes

KRYPTON 72
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes
*BT1 seconds living radioisotopes

KRYPTON 73
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes
*BT1 seconds living radioisotopes

KRYPTON 74
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes
*BT1 minutes living radioisotopes

KRYPTON 75
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes
*BT1 minutes living radioisotopes

KRYPTON 76
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 krypton isotopes

KRYPTON 76 TARGET
INIS: Sep 1992; ETDE: May 1985
BT1 targets

KRYPTON 77
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 krypton isotopes

KRYPTON 77 TARGET
INIS: Sep 1992; ETDE: May 1985
BT1 targets

KRYPTON 78
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes
*BT1 stable isotopes

KRYPTON 78 TARGET
INIS: Jan 1977; ETDE: Sep 1976
BT1 targets

KRYPTON 79
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 krypton isotopes
*BT1 seconds living radioisotopes

KRYPTON 80
*BT1 even-even nuclei
*BT1 intermediate mass nuclei

*BT1 krypton isotopes
*BT1 stable isotopes

KRYPTON 80 REACTIONS
INIS: Oct 1986; ETDE: Nov 1986
*BT1 heavy ion reactions

KRYPTON 80 TARGET
INIS: Oct 1975; ETDE: Jul 1976
BT1 targets

KRYPTON 81
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 krypton isotopes
*BT1 seconds living radioisotopes
*BT1 years living radioisotopes

KRYPTON 82
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes
*BT1 stable isotopes

KRYPTON 82 REACTIONS
INIS: May 1987; ETDE: Jun 1987
*BT1 heavy ion reactions

KRYPTON 82 TARGET
INIS: Jan 1977; ETDE: Sep 1976
BT1 targets

KRYPTON 83
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 krypton isotopes
*BT1 stable isotopes
RT krypton 83 reactions

KRYPTON 83 REACTIONS
*BT1 heavy ion reactions
RT krypton 83

KRYPTON 83 TARGET
INIS: Jan 1977; ETDE: Sep 1976
BT1 targets

KRYPTON 84
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 krypton isotopes
*BT1 microseconds living radioisotopes
*BT1 stable isotopes
RT krypton 84 reactions

KRYPTON 84 BEAMS
*BT1 ion beams

KRYPTON 84 REACTIONS
*BT1 heavy ion reactions
RT krypton 84

KRYPTON 84 TARGET
BT1 targets

KRYPTON 85
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 krypton isotopes
*BT1 microseconds living radioisotopes
*BT1 years living radioisotopes

KRYPTON 85 TARGET
INIS: Nov 1985; ETDE: Mar 1977
BT1 targets

KRYPTON 86
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 krypton isotopes
*BT1 nanoseconds living radioisotopes
*BT1 stable isotopes

KRYPTON 86 BEAMS
INIS: Sep 1979; ETDE: Oct 1979
*BT1 ion beams

KRYPTON 86 REACTIONS
INIS: Oct 1976; ETDE: Dec 1976
*BT1 heavy ion reactions

KRYPTON 86 TARGET
BT1 targets

KRYPTON 87
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 krypton isotopes

KRYPTON 88
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 krypton isotopes

KRYPTON 89
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes
*BT1 minutes living radioisotopes

KRYPTON 90
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes
*BT1 seconds living radioisotopes

KRYPTON 91
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes
*BT1 seconds living radioisotopes

KRYPTON 92
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes
*BT1 seconds living radioisotopes

KRYPTON 93
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes
*BT1 seconds living radioisotopes

KRYPTON 94
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes
*BT1 milliseconds living radioisotopes

KRYPTON 95
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes
*BT1 milliseconds living radioisotopes

KRYPTON 96
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes

KRYPTON 97
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes
*BT1 nanoseconds living radioisotopes

KRYPTON 98
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 krypton isotopes

KRYPTON BROMIDES
INIS: Apr 2000; ETDE: Nov 1980
*BT1 bromides
*BT1 krypton compounds

KRYPTON CHLORIDE LASERS
INIS: Apr 2000; ETDE: Aug 1984
*BT1 excimer lasers

KRYPTON CHLORIDES
*BT1 chlorides
*BT1 krypton compounds

KRYPTON COMPLEXES
BT1 complexes

KRYPTON COMPOUNDS
UF *kryptonates*
BT1 rare gas compounds
NT1 krypton bromides
NT1 krypton chlorides
NT1 krypton fluorides
NT1 krypton hydrides
NT1 krypton oxides

KRYPTON FLUORIDE LASERS
INIS: Jan 1986; ETDE: Aug 1984
*BT1 excimer lasers
RT aurora facility

KRYPTON FLUORIDES
*BT1 fluorides
*BT1 krypton compounds

KRYPTON HYDRIDES
*BT1 hydrides
*BT1 krypton compounds

KRYPTON IONS
*BT1 ions

KRYPTON ISOTOPES
BT1 isotopes
NT1 krypton 69
NT1 krypton 70
NT1 krypton 71
NT1 krypton 72
NT1 krypton 73
NT1 krypton 74
NT1 krypton 75
NT1 krypton 76
NT1 krypton 77
NT1 krypton 78
NT1 krypton 79
NT1 krypton 80
NT1 krypton 81
NT1 krypton 82
NT1 krypton 83
NT1 krypton 84
NT1 krypton 85

NT1 krypton 86
NT1 krypton 87
NT1 krypton 88
NT1 krypton 89
NT1 krypton 90
NT1 krypton 91
NT1 krypton 92
NT1 krypton 93
NT1 krypton 94
NT1 krypton 95
NT1 krypton 96
NT1 krypton 97
NT1 krypton 98

KRYPTON OXIDES
*BT1 krypton compounds
*BT1 oxides

kryptonates
Use krypton compounds

ks-150 reactor
Use bohunice a-1 reactor

KSTR REACTOR
(Keuring van Electrotechnische Materialen N.V., Arnhem, Netherlands)
UF *kema suspension test reactor*
*BT1 aqueous homogeneous reactors
*BT1 materials testing reactors
*BT1 research reactors

KT-2 TOKAMAK
INIS: Oct 1997; ETDE: Nov 1999
(KAERI, Daejon, Republic of Korea)
*BT1 tokamak devices

KUBO FORMULA
UF *kubo method*
UF *kubo theory*
RT statistical mechanics

kubo method
Use kubo formula

kubo theory
Use kubo formula

KUCA REACTOR
INIS: Oct 1983; ETDE: Jun 1976
UF *kyoto university critical assembly reactor*
*BT1 enriched uranium reactors
*BT1 graphite moderated reactors
*BT1 water moderated reactors
*BT1 zero power reactors

KUHFR REACTOR
INIS: Nov 1979; ETDE: Nov 1979
UF *kyoto university high flux reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

KUOSHENG-1 REACTOR
INIS: Feb 1978; ETDE: Mar 1976
*BT1 bwr type reactors

KUOSHENG-2 REACTOR
INIS: Feb 1978; ETDE: Mar 1976
*BT1 bwr type reactors

kupffer cells
Use reticuloendothelial system

KUR REACTOR
(Research Reactor Institute, Kyoto Univ., Osaka Prefecture, Japan)
UF *kyoto university reactor*
UF *training-research reactor kyoto*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 training reactors

kurchatov institute romashka reactor
Use romashka reactor

kurchatovium
Use element 104

kureha acetate process
Use desulfurization

kurie plot
Use fermi plot

KURILE ISLANDS
INIS: Apr 2000; ETDE: Jun 1978
BT1 islands
*BT1 russian federation
RT pacific ocean

KURSK-1 REACTOR
INIS: Jun 1983; ETDE: Jan 1975
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

KURSK-2 REACTOR
INIS: Aug 1984; ETDE: Jan 1975
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

KURSK-3 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

KURSK-4 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

kurtosis
Use distribution
AND statistics

KUWAIT
INIS: Nov 1976; ETDE: Jan 1975
BT1 arab countries
BT1 asia
BT1 developing countries
BT1 middle east
RT oapec
RT opec

kvb process
Use desulfurization

KVI
INIS: Sep 1977; ETDE: Oct 1977
UF *groningen versneller instituut*
UF *kernfysisch versneller instituut*
*BT1 netherlands organizations

KVI CYCLOTRON
INIS: Jun 1983; ETDE: Mar 1983
(Kernfysisch Versneller Instituut, Groningen.)
UF *groningen (kvi) cyclotron*
UF *kernfysisch versneller instituut cyclotron*
*BT1 heavy ion accelerators
*BT1 isochronous cyclotrons

kwl reactor
Use lingen reactor

kwo reactor
Use obrigheim reactor

kws-1 wyhl reactor
Use wyhl-1 reactor

kws-2 wyhl reactor
Use wyhl-2 reactor

kynurenic acid
Use heterocyclic acids
AND hydroxy compounds
AND quinolines

KYNURENINE
*BT1 amino acids
*BT1 keto acids

KYOTO PROTOCOL
INIS: Sep 2000; ETDE: Nov 1999
(Kyoto Protocol to the UN Framework Convention on Global Climate Change.)
*BT1 multilateral agreements
RT climatic change
RT emissions tax
RT emissions trading
RT environmental impacts
RT environmental policy
RT greenhouse effect
RT greenhouse gases
RT pollution laws

kyoto university critical assembly reactor
Use kuca reactor

kyoto university high flux reactor
Use kuhfr reactor

kyoto university reactor
Use kur reactor

KYRGYZSTAN
INIS: Feb 1993; ETDE: Apr 1993
(Until January 1993, this was indexed by USSR.)
SF *soviet union*
SF *union of soviet socialist republics*
SF *ussr*
BT1 asia

KYSHTYM PLANT
INIS: Dec 1993; ETDE: Jan 1994
BT1 nuclear facilities
RT russian federation

kyushu-1 reactor
Use genkai-1 reactor

kyushu-2 reactor
Use genkai-2 reactor

kyushu-3 reactor
Use sendai-1 reactor

kyushu-4 reactor
Use genkai-4 reactor

L

l-1 stellarator
See l-2 stellarator

l-1770 resonances
Use strange mesons

L-2 STELLARATOR
INIS: Nov 1977; ETDE: Nov 1977
SF *l-1 stellarator*
*BT1 stellarators

l-54 reactor
Use cesnef reactor

l-77 atomics international reactor
Use ai-l-77 reactor

l-77 nevada university reactor
Use nevada university reactor

l-77 puerto rico reactor
Use prnc-l-77 reactor

l-alanine
Use alanine-l

l-alanine-alpha
Use alanine-l

L CAPTURE
*BT1 electron capture decay

L CELLS
RT clone cells
RT fibroblasts
RT in vitro

L CODES
BT1 computer codes

L CONVERSION
UF *l-conversion coefficient*
*BT1 internal conversion

l-conversion coefficient
Use l conversion

L-MODE PLASMA CONFINEMENT
INIS: Jul 1999; ETDE: Sep 1999
(An operational regime in neutral-beam-injection-heated divertor tokamaks.)
*BT1 magnetic confinement
RT h-mode plasma confinement

L REACTOR
INIS: Mar 1983; ETDE: May 1982
UF *savannah river plant l reactor*
*BT1 heavy water moderated reactors
*BT1 special production reactors

l resonances
See k2-1770 mesons

L-S COUPLING
UF *russell-saunders coupling*
UF *spin-orbit interaction*
*BT1 intermediate coupling
RT orbital angular momentum

L SHELL
INIS: Jul 1976; ETDE: Aug 1976
(Atomic electron shells)
UF *atomic shells (l)*
BT1 electronic structure

l waves
Use seismic surface waves

la crosse boiling water reactor
Use lacbwr reactor

la jolla triga-mk-3 reactor
Use triga-3-la jolla reactor

la reina reactor
Use research reactors

LA REINA RECH-1 REACTOR
INIS: Feb 1989; ETDE: Mar 1989
(La Reina, Santiago, Chile.)
*BT1 pool type reactors
*BT1 research reactors

LA SALLE COUNTY-1 REACTOR
*BT1 bwr type reactors

LA SALLE COUNTY-2 REACTOR
*BT1 bwr type reactors

LABELLED COMPOUNDS
(Compounds labelled with either stable or radioactive isotopes.)
NT1 carbon 14 compounds
NT1 radiopharmaceuticals
RT autoradiography
RT autoradiolysis
RT carrier-free isotopes
RT diagnosis
RT double labelling
RT electron microscopy
RT labelling
RT nuclear medicine
RT radioenzymatic assay
RT radioimmunoassay
RT radioimmunodetection
RT scintiscanning
RT tracer techniques
RT tritium compounds
RT wilzbach method

labelled pool technique
Use labelled pool techniques

LABELLED POOL TECHNIQUES
INIS: Sep 1975; ETDE: Oct 1975
(Prior to August 1985 the singular form was used.)
UF *labelled pool technique*
*BT1 tracer techniques
RT labelling
RT metabolism

LABELLING
(For labelling of packages use PACKAGING RULES.)
NT1 double labelling
NT1 wilzbach method
RT carbon 14 compounds
RT carrier-free isotopes
RT isotope applications
RT isotopic exchange
RT labelled compounds
RT labelled pool techniques
RT radioactivation

labelling (packages)
Use packaging rules

labor
See employment
OR manpower
OR personnel
OR work

LABOR RELATIONS
INIS: Oct 1991; ETDE: Feb 1978
UF *industrial relations*
RT industry
RT management
RT personnel
RT working conditions

LABORATORIES
INIS: Mar 1986; ETDE: Jan 1980
NT1 hot labs
RT buildings
RT laboratory animals
RT laboratory buildings
RT laboratory equipment
RT nuclear facilities
RT research programs

LABORATORY ANIMALS
BT1 animals
RT laboratories

LABORATORY BUILDINGS
INIS: Aug 1985; ETDE: Apr 1980
BT1 buildings
RT laboratories
RT laboratory equipment
RT school buildings

LABORATORY EQUIPMENT
BT1 equipment
NT1 dna sequencers
NT1 fume hoods
NT1 gloveboxes
NT1 hot cells
NT1 manipulators
NT1 vacuum pumps
NT2 cryopumps
NT2 sputter-ion pumps
NT2 turbomolecular pumps
RT accelerator facilities
RT autoclaves
RT bench-scale experiments
RT extraction apparatuses
RT hot labs
RT laboratories
RT laboratory buildings
RT mixer-settlers
RT portable equipment
RT remote handling equipment
RT remote viewing equipment
RT sample changers
RT test facilities

laboratory scale experiments
Use bench-scale experiments

LABORATORY SYSTEM
RT center-of-mass system
RT coordinates
RT limiting fragmentation
RT lorentz transformations
RT mechanics
RT scattering

labyrinth
Use auditory organs
AND vestibular apparatus

LACBWR REACTOR
UF *la crosse boiling water reactor*
*BT1 bwr type reactors

LACQUERS
BT1 coatings

LACRIMAL DUCTS
INIS: Jul 1977; ETDE: Oct 1977
UF *ducts (tear)*
UF *tear canals*
*BT1 eyes

LACTAMS
UF *cyclic amides*
*BT1 amides
NT1 pyrrolidones
NT2 pvp
RT amino acids
RT heterocyclic compounds

LACTATE DEHYDROGENASE
*BT1 hemiacetal dehydrogenases

LACTATES
INIS: Sep 1981; ETDE: Oct 1981
BT1 carboxylic acid salts
RT lactic acid

LACTATION
RT mammary glands
RT milk

LACTIC ACID
UF *hydroxypropionic acid-alpha*
*BT1 hydroxy acids
RT lactates

LACTOBACILLUS
*BT1 bacteria

LACTOFERRIN
INIS: Aug 1981; ETDE: Apr 1981
*BT1 globulins
*BT1 glucoproteins
*BT1 metalloproteins
*BT1 organometallic compounds
RT iron complexes

LACTOGENS
INIS: Dec 1982; ETDE: Feb 1979
NT1 hpl
RT peptide hormones
RT pituitary gland
RT placenta

LACTONES
UF *cyclic esters*
*BT1 esters
*BT1 heterocyclic compounds
NT1 coumarin
NT1 gibberellic acid
RT hydroxy acids

LACTOSE
UF *milk sugar*
*BT1 disaccharides

LADDER APPROXIMATION
RT quantum field theory

lage flux reaktor petten
Use lfr reactor

lago maggiore
Use lakes

LAGRANGE EQUATIONS
*BT1 partial differential equations
RT lagrangian function
RT mechanics

lagrange field equations
Use lagrangian field theory

lagrangian
Use lagrangian function

LAGRANGIAN FIELD THEORY
UF *canonical quantum field theory*
UF *gross-neveu model*
UF *lagrange field equations*
*BT1 quantum field theory

LAGRANGIAN FUNCTION
UF *lagrangian*
BT1 functions
RT equations of motion
RT kinetic energy
RT lagrange equations
RT mechanics
RT potential energy

LAGUERRE POLYNOMIALS
*BT1 polynomials

LAGUNA VERDE-1 REACTOR
INIS: Feb 1978; ETDE: Jun 1975
(Alto Lucero, Veracruz, Mexico)
*BT1 bwr type reactors

LAGUNA VERDE-2 REACTOR
INIS: Feb 1987; ETDE: Feb 1982
(Alto Lucero, Veracruz, Mexico.)
*BT1 bwr type reactors

LAKE BAIKAL
INIS: Oct 1984; ETDE: Nov 1984
*BT1 lakes

LAKE BALATON
INIS: Sep 1983; ETDE: Sep 1983
*BT1 lakes

LAKE DRUKSHIAI
INIS: Aug 1997; ETDE: Aug 1997
(Cooling pond of Ignalina Nuclear Power Plant)
UF *lake drysviaty*
*BT1 lakes

lake drysviaty
Use lake drukshiai

LAKE ERIE
*BT1 great lakes

LAKE HURON
*BT1 great lakes

LAKE MICHIGAN
*BT1 great lakes

LAKE ONTARIO
*BT1 great lakes

LAKE SUPERIOR
INIS: Jul 1980; ETDE: Jan 1975
*BT1 great lakes

LAKE WABAMUN
INIS: Apr 2000; ETDE: Nov 1975
*BT1 lakes
RT canada

LAKES
(Prior to March 1997 LAGO MAGGIORE was a valid ETDE descriptor.)
UF *lago maggiore*
BT1 surface waters
NT1 ambrosia lake
NT1 aral sea
NT1 athabasca lake
NT1 caspian sea
NT1 dead sea
NT1 great lakes
NT2 lake erie
NT2 lake huron
NT2 lake michigan
NT2 lake ontario
NT2 lake superior
NT1 great salt lake
NT1 lake baikal
NT1 lake balaton
NT1 lake drukshiai
NT1 lake wabamun
NT1 salton sea
RT cooling ponds
RT eutrophication
RT fresh water
RT hydrology
RT inland waterways
RT ponds
RT shores
RT water currents
RT water reservoirs

lamb-rutherford shift
Use lamb shift

LAMB SHIFT
UF *lamb-rutherford shift*
BT1 spectral shift
RT energy levels

lambda-1115 resonances
Use lambda particles

LAMBDA-1405 BARYONS
(Prior to December 1987 this concept was indexed by LAMBDA-1405 RESONANCES.)
UF *lambda-1405 resonances*
*BT1 lambda baryons

lambda-1405 resonances
Use lambda-1405 baryons

LAMBDA-1520 BARYONS
(Prior to December 1987 this concept was indexed by LAMBDA-1520 RESONANCES.)
UF *lambda-1520 resonances*
*BT1 lambda baryons

lambda-1520 resonances
Use lambda-1520 baryons

LAMBDA-1600 BARYONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 lambda baryons

LAMBDA-1670 BARYONS
(Prior to December 1987 this concept was indexed by LAMBDA-1670 RESONANCES.)
UF *lambda-1670 resonances*
*BT1 lambda baryons

lambda-1670 resonances
Use lambda-1670 baryons

LAMBDA-1690 BARYONS
(Prior to December 1987 this concept was indexed by LAMBDA-1690 RESONANCES.)
UF *lambda-1690 resonances*
*BT1 lambda baryons

lambda-1690 resonances
Use lambda-1690 baryons

LAMBDA-1800 BARYONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 lambda baryons

LAMBDA-1810 BARYONS
INIS: Jul 1995; ETDE: Jul 1995
*BT1 lambda baryons

lambda-1815 resonances
Use lambda-1820 baryons

LAMBDA-1820 BARYONS
(Prior to December 1987 this concept was indexed by LAMBDA-1815 RESONANCES.)
UF *lambda-1815 resonances*
*BT1 lambda baryons

LAMBDA-1830 BARYONS
(Prior to December 1987 this concept was indexed by LAMBDA-1830 RESONANCES.)
UF *lambda-1830 resonances*
*BT1 lambda baryons

lambda-1830 resonances
Use lambda-1830 baryons

LAMBDA-1890 BARYONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 lambda baryons

LAMBDA-2100 BARYONS
(Prior to December 1987 this concept was indexed by LAMBDA-2100 RESONANCES.)
UF *lambda-2100 resonances*
*BT1 lambda baryons

lambda-2100 resonances
Use lambda-2100 baryons

LAMBDA-2110 BARYONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 lambda baryons

lambda-2250 resonances
Use lambda c plus baryons

lambda-2260 resonances
Use lambda c plus baryons

lambda 2282 resonances
Use lambda c plus baryons

LAMBDA B NEUTRAL BARYONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 beauty baryons

LAMBDA BARYONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 hyperons
NT1 lambda particles
NT2 antilambda particles
NT1 lambda-1405 baryons
NT1 lambda-1520 baryons
NT1 lambda-1600 baryons
NT1 lambda-1670 baryons
NT1 lambda-1690 baryons
NT1 lambda-1800 baryons
NT1 lambda-1810 baryons
NT1 lambda-1820 baryons
NT1 lambda-1830 baryons
NT1 lambda-1890 baryons
NT1 lambda-2100 baryons
NT1 lambda-2110 baryons

LAMBDA C-2625 BARYONS
INIS: Jul 1995; ETDE: Jul 1995
*BT1 charmed baryons

lambda c plus
Use lambda c plus baryons

LAMBDA C PLUS BARYONS
INIS: Feb 1979; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by LAMBDAC PLUS.)
UF *c-2260 resonances*
UF *lambda 2282 resonances*
UF *lambda c plus*
UF *lambda-2250 resonances*
UF *lambda-2260 resonances*
*BT1 charmed baryons

LAMBDA-N-2130 DIBARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 dibaryons
*BT1 hyperons

lambda neutral
Use lambda particles

LAMBDA PARTICLE BEAMS
*BT1 hyperon beams

LAMBDA PARTICLES
UF *lambda neutral*
UF *lambda-1115 resonances*
*BT1 lambda baryons
NT1 antilambda particles

LAMBDA POINT
*BT1 transition temperature
RT helium 4
RT superfluidity

LAMBERT LAW
RT angular distribution

lambs
Use sheep

LAMELLAE
RT layers

laminac
Use plastics
AND polyesters

LAMINAR FLOW
UF *poiseuille flow*
UF *subcritical flow*
BT1 fluid flow
RT critical flow
RT ideal flow
RT turbulent flow
RT viscous flow

LAMINARIA
*BT1 chromophycota
*BT1 seaweeds
RT alginates

laminography
Use tomography

LAMPF II SYNCHROTRON
INIS: Jun 1983; ETDE: Mar 1983
(6 to 32 GeV proton synchrotron addition to Los Alamos Meson Physics Facility.)
*BT1 meson factories
*BT1 synchrotrons

LAMPF LINAC
UF *clinton p. anderson meson physics facility*
UF *los alamos meson physics facility*
*BT1 linear accelerators
*BT1 meson factories

LAMPRE-1 REACTOR
UF *los alamos molten plutonium reactor experiment*
*BT1 experimental reactors
*BT1 fast reactors
*BT1 plutonium reactors
*BT1 power reactors
*BT1 sodium cooled reactors

lampre-2 reactor
Use frctf reactor

LAMPROPHYRES
INIS: Apr 2000; ETDE: Aug 1980
*BT1 volcanic rocks
NT1 kimberlites

lamps
Use light bulbs

land application
Use ground disposal

land fills
Use sanitary landfills

LAND LEASING
INIS: Mar 1992; ETDE: Jan 1975
BT1 leasing
RT land resources
RT land use
RT leases
RT legal aspects
RT regulations

LAND OWNERSHIP
INIS: Mar 1992; ETDE: Aug 1981
BT1 ownership
RT land resources
RT land use
RT legal aspects
RT mineral rights

LAND POLLUTION
(For nonradioactive pollution only; for radioactive pollution use CONTAMINATION.)
BT1 pollution
RT acid mine drainage
RT environmental effects
RT environmental exposure
RT land pollution abatement
RT land pollution control
RT land use

LAND POLLUTION ABATEMENT
INIS: Mar 1992; ETDE: Jul 1976
(The prevention of formation of pollutants at the source.)
SF *prevention of significant deterioration*
SF *psd*
BT1 pollution abatement
RT land pollution
RT land reclamation

LAND POLLUTION CONTROL
INIS: Mar 1992; ETDE: Mar 1977
(The removal or management of pollutants after they are formed by a source.)
*BT1 pollution control
RT land pollution
RT land reclamation
RT land use

LAND RECLAMATION
INIS: Jul 1976; ETDE: Feb 1975
SF *mine site rehabilitation*
SF *reclamation*
RT abandoned sites
RT aesthetics
RT backfilling
RT land pollution abatement
RT land pollution control
RT land resources
RT land use
RT liming
RT preferred species
RT remedial action
RT revegetation
RT soil conservation
RT spoil banks

LAND REQUIREMENTS
INIS: Oct 1992; ETDE: Nov 1977
RT land resources
RT land use

LAND RESOURCES
INIS: Mar 1992; ETDE: Jan 1982
BT1 resources
RT land leasing
RT land ownership
RT land reclamation
RT land requirements
RT land use
RT public lands
RT terrestrial ecosystems

LAND TRANSPORT
INIS: Jan 1976; ETDE: Jun 1977
BT1 transport
NT1 rail transport
NT1 road transport
RT carpooling

RT vanpooling

LAND USE
INIS: Jul 1976; ETDE: Feb 1975
(From May 1980 till March 1997 ZONING was a valid ETDE descriptor.)
UF *zoning*
RT arid lands
RT eminent domain
RT environment
RT external zones
RT farms
RT land leasing
RT land ownership
RT land pollution
RT land pollution control
RT land reclamation
RT land requirements
RT land resources
RT landscaping
RT mineral rights
RT nature reserves
RT recreational areas
RT regional analysis
RT regional cooperation
RT rights-of-way
RT site selection
RT water use
RT watersheds
RT wilderness protection acts

landau absorption
Use landau damping

LANDAU CURVES
RT s matrix
RT scattering
RT singularity

LANDAU DAMPING
UF *landau absorption*
BT1 damping
RT plasma waves
RT transit-time magnetic pumping

landau distribution
Use landau fluctuations

landau domain structure
Use domain structure

LANDAU FLUCTUATIONS
UF *landau distribution*
*BT1 fluctuations
RT energy losses

landau-ginzburg-pitaevskii theory
Use ginzburg-pitaevskii theory

LANDAU LIQUID HELIUM THEORY
UF *two-fluid theory*
RT helium ii
RT phonons
RT rotons
RT superfluidity

LANDAU QUASI PARTICLES
BT1 quasi particles
RT particle structure
RT quark model

LANDAU-ZENER FORMULA
RT collisions
RT potential energy

LANDE FACTOR
UF *g factor (lande)*
UF *lande g factor*
UF *lande interval factor*
UF *lande splitting factor*
RT energy levels

lande g factor
Use lande factor

lande interval factor
Use lande factor

lande splitting factor
Use lande factor

landfills
Use sanitary landfills

landforms
Use geomorphology

LANDGARD PYROLYSIS SYSTEM
INIS: Apr 2000; ETDE: Jan 1976
UF *landgard solid waste disposal system*
UF *monsanto system*
*BT1 waste processing
RT pyrolysis
RT solid wastes
RT waste processing plants

landgard solid waste disposal system
Use landgard pyrolysis system

LANDSAT SATELLITES
INIS: Jun 1983; ETDE: Mar 1980
BT1 satellites
RT aerial surveying
RT exploration
RT remote sensing

LANDSCAPING
INIS: Jul 1992; ETDE: Jun 1977
RT aesthetics
RT earth berms
RT land use

LANDSLIDES
INIS: Sep 1980; ETDE: Jan 1975
RT blast effects
RT earthquakes
RT ground motion
RT mining
RT rain
RT seismic effects
RT slope stability
RT underground explosions

LANE-ROBSON THEORY
RT nuclear reactions
RT scattering

LANE-THOMAS-WIGNER MODEL
*BT1 nuclear models

LANGEVIN EQUATION
BT1 equations
RT magnetic fields

LANGMUIR FREQUENCY
UF *frequency (langmuir)*
UF *plasma frequency*
RT plasma

langmuir oscillations
Use plasma waves

LANGMUIR PROBE
*BT1 electric probes

languages (programming)
Use programming languages

LANL
INIS: Apr 1984; ETDE: Jun 1989
(Until 1980 known as Los Alamos Scientific Laboratory, and older material is indexed to LASL.)
UF *lasl*
UF *los alamos national laboratory*
UF *los alamos scientific laboratory*
*BT1 us doe
RT antares facility
RT aurora facility
RT helios facility
RT new mexico
RT trident facility

lanolin
Use esters
AND lipids
AND sterols

lanoxin
Use digoxin

lans
Use local area networks

lanthanides
Use rare earths

LANTHANUM
*BT1 rare earths

LANTHANUM 120
INIS: Aug 1984; ETDE: Sep 1984
*BT1 electron capture radioisotopes
BT1 lanthanum isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LANTHANUM 121
INIS: Feb 1989; ETDE: Mar 1989
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lanthanum isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LANTHANUM 122
INIS: Aug 1984; ETDE: Sep 1984
*BT1 electron capture radioisotopes
BT1 lanthanum isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LANTHANUM 123
INIS: Feb 1979; ETDE: Mar 1979
*BT1 electron capture radioisotopes
BT1 lanthanum isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LANTHANUM 124
*BT1 electron capture radioisotopes
BT1 lanthanum isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LANTHANUM 125
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lanthanum isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LANTHANUM 126
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lanthanum isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LANTHANUM 127
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lanthanum isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LANTHANUM 128
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lanthanum isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LANTHANUM 129
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lanthanum isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LANTHANUM 130
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lanthanum isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LANTHANUM 131
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lanthanum isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LANTHANUM 132
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
BT1 lanthanum isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LANTHANUM 133
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
BT1 lanthanum isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LANTHANUM 134
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lanthanum isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LANTHANUM 135
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
BT1 lanthanum isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LANTHANUM 136
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lanthanum isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LANTHANUM 137
*BT1 electron capture radioisotopes
BT1 lanthanum isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 years living radioisotopes

LANTHANUM 138
*BT1 beta-minus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lanthanum isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 years living radioisotopes

LANTHANUM 139
BT1 lanthanum isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

LANTHANUM 139 BEAMS
INIS: Jan 1979; ETDE: Feb 1979
*BT1 ion beams

LANTHANUM 139 REACTIONS
INIS: Jan 1976; ETDE: Mar 1976
*BT1 heavy ion reactions

LANTHANUM 139 TARGET
BT1 targets

LANTHANUM 140
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
BT1 lanthanum isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LANTHANUM 141
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
BT1 lanthanum isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LANTHANUM 142
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
BT1 lanthanum isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LANTHANUM 143
*BT1 beta-minus decay radioisotopes
BT1 lanthanum isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LANTHANUM 144
*BT1 beta-minus decay radioisotopes
BT1 lanthanum isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LANTHANUM 145
*BT1 beta-minus decay radioisotopes
BT1 lanthanum isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LANTHANUM 146
*BT1 beta-minus decay radioisotopes
BT1 lanthanum isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LANTHANUM 147
INIS: Jun 1977; ETDE: Oct 1977
*BT1 beta-minus decay radioisotopes
BT1 lanthanum isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LANTHANUM 148
INIS: Jun 1977; ETDE: Oct 1977
*BT1 beta-minus decay radioisotopes
BT1 lanthanum isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LANTHANUM 149
INIS: Mar 1986; ETDE: Apr 1986
*BT1 beta-minus decay radioisotopes
BT1 lanthanum isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LANTHANUM 150
INIS: Oct 1995; ETDE: Oct 1995
*BT1 beta-minus decay radioisotopes
BT1 lanthanum isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LANTHANUM ADDITIONS
(Alloys containing not more than 1% La are listed here.)
*BT1 lanthanum alloys
*BT1 rare earth additions
NT1 alloy-co36cr22ni22w15fe3
NT2 haynes 188 alloy

LANTHANUM ALLOYS
(Alloys containing more than 1% La.)
*BT1 rare earth alloys
NT1 lanthanum additions
NT2 alloy-co36cr22ni22w15fe3
NT3 haynes 188 alloy
NT1 lanthanum base alloys
NT1 misch metal

LANTHANUM BASE ALLOYS
*BT1 lanthanum alloys

LANTHANUM BORIDES
*BT1 borides
*BT1 lanthanum compounds

LANTHANUM BROMIDES
*BT1 bromides
*BT1 lanthanum compounds

LANTHANUM CARBIDES
*BT1 carbides
*BT1 lanthanum compounds

LANTHANUM CARBONATES
*BT1 carbonates
*BT1 lanthanum compounds
RT carbonate minerals

LANTHANUM CHLORIDES
*BT1 chlorides
*BT1 lanthanum compounds

lanthanum chromites
Use chromium oxides
AND lanthanum oxides

LANTHANUM COMPLEXES
*BT1 rare earth complexes

LANTHANUM COMPOUNDS
BT1 rare earth compounds
NT1 lanthanum borides
NT1 lanthanum bromides
NT1 lanthanum carbides
NT1 lanthanum carbonates
NT1 lanthanum chlorides
NT1 lanthanum fluorides
NT1 lanthanum hydrides
NT1 lanthanum hydroxides
NT1 lanthanum iodides
NT1 lanthanum nitrates
NT1 lanthanum nitrides
NT1 lanthanum oxides
NT1 lanthanum perchlorates
NT1 lanthanum phosphates
NT1 lanthanum phosphides
NT1 lanthanum selenides
NT1 lanthanum silicates
NT1 lanthanum silicides
NT1 lanthanum sulfates
NT1 lanthanum sulfides
NT1 lanthanum tellurides
NT1 lanthanum tungstates
NT1 plzt

LANTHANUM FLUORIDES
*BT1 fluorides
*BT1 lanthanum compounds

LANTHANUM HYDRIDES
*BT1 hydrides
*BT1 lanthanum compounds

LANTHANUM HYDROXIDES
*BT1 hydroxides
*BT1 lanthanum compounds

LANTHANUM IODIDES
*BT1 iodides
*BT1 lanthanum compounds

LANTHANUM IONS
*BT1 ions

LANTHANUM ISOTOPES
NT1 lanthanum 120
NT1 lanthanum 121
NT1 lanthanum 122
NT1 lanthanum 123
NT1 lanthanum 124
NT1 lanthanum 125
NT1 lanthanum 126
NT1 lanthanum 127
NT1 lanthanum 128
NT1 lanthanum 129
NT1 lanthanum 130
NT1 lanthanum 131
NT1 lanthanum 132
NT1 lanthanum 133
NT1 lanthanum 134
NT1 lanthanum 135
NT1 lanthanum 136
NT1 lanthanum 137
NT1 lanthanum 138
NT1 lanthanum 139
NT1 lanthanum 140
NT1 lanthanum 141
NT1 lanthanum 142
NT1 lanthanum 143
NT1 lanthanum 144
NT1 lanthanum 145
NT1 lanthanum 146
NT1 lanthanum 147
NT1 lanthanum 148
NT1 lanthanum 149
NT1 lanthanum 150

LANTHANUM NITRATES
*BT1 lanthanum compounds
*BT1 nitrates

LANTHANUM NITRIDES
*BT1 lanthanum compounds
*BT1 nitrides

LANTHANUM OXIDES
UF+ *lanthanum chromites*
*BT1 lanthanum compounds
*BT1 oxides

LANTHANUM PERCHLORATES
*BT1 lanthanum compounds
*BT1 perchlorates

LANTHANUM PHOSPHATES
*BT1 lanthanum compounds
*BT1 phosphates

LANTHANUM PHOSPHIDES
INIS: Sep 1979; ETDE: Oct 1979
*BT1 lanthanum compounds
*BT1 phosphides

LANTHANUM SELENIDES
*BT1 lanthanum compounds
*BT1 selenides

LANTHANUM SILICATES
*BT1 lanthanum compounds
*BT1 silicates

LANTHANUM SILICIDES
INIS: Apr 1984; ETDE: Jan 1975
*BT1 lanthanum compounds
*BT1 silicides

LANTHANUM SULFATES
*BT1 lanthanum compounds
*BT1 sulfates

LANTHANUM SULFIDES
*BT1 lanthanum compounds
*BT1 sulfides

LANTHANUM TELLURIDES
*BT1 lanthanum compounds
*BT1 tellurides

LANTHANUM TUNGSTATES
INIS: Jun 1983; ETDE: Jan 1975
*BT1 lanthanum compounds
*BT1 tungstates

lanzhou cyclotron
Use hirfl cyclotron

LAOS
BT1 asia
BT1 developing countries

lap welds
Use welded joints

LAPLACE EQUATION
*BT1 partial differential equations
RT poisson equation
RT spherical harmonics

laplace operator
Use laplacian

LAPLACE TRANSFORMATION
*BT1 integral transformations

LAPLACIAN
UF *laplace operator*
BT1 mathematical operators
RT diffusion equations
RT vectors

LAPPS
*BT1 minority groups
RT arctic regions
RT eskimos
RT norway

LARAMIE ENERGY RESEARCH CENTER
INIS: Apr 2000; ETDE: May 1975
*BT1 us doe
*BT1 us erda

LARAMIE ENERGY TECHNOLOGY CENTER
INIS: Apr 2000; ETDE: Dec 1978
*BT1 us doe

LARCHES
INIS: Apr 2000; ETDE: Feb 1988
(Larix.)
*BT1 conifers

LARDERELLO GEOTHERMAL FIELD
INIS: Jun 1992; ETDE: Jan 1975
BT1 geothermal fields
RT italy
RT vapor-dominated systems

large coil program
Use coordinated research programs
AND superconducting magnets

LARGE INTESTINE
UF *colon*
UF+ *appendix (vermiform)*
*BT1 intestines
NT1 rectum
RT excretion
RT feces

larmor electrons
Use larmor radius

larmor nuclear precession
Use larmor precession

LARMOR PRECESSION
UF *larmor nuclear precession*
BT1 precession

LARMOR RADIUS
UF *gyromagnetic radius*
UF *larmor electrons*
RT magnetic fields

LARVAE
UF *larval stage*
UF *metacercariae*
UF *nymphs*
UF+ *tadpoles*
RT age groups
RT amphibians
RT ichthyoplankton
RT insects
RT metamorphosis

larval stage
Use larvae

LARYNGECTOMY
INIS: Aug 1981; ETDE: Sep 1981
*BT1 surgery
RT larynx

LARYNX
BT1 respiratory system
RT laryngectomy
RT neck

LASER BEAM MACHINING
INIS: Sep 1982; ETDE: Nov 1977
BT1 machining

LASER CAVITIES
INIS: Aug 1975; ETDE: Feb 1975
RT lasers

LASER DOPPLER ANEMOMETERS
INIS: May 1992; ETDE: Jul 1992
*BT1 anemometers
RT laser radiation
RT lasers

LASER DRILLING
INIS: Jul 1976; ETDE: Aug 1976
*BT1 materials drilling
RT laser radiation

LASER FUSION REACTORS
INIS: Jul 1981; ETDE: Sep 1976
BT1 thermonuclear reactors
NT1 cascade reactors
NT1 hylife converter
RT antares facility
RT aurora facility
RT direct drive laser implosion
RT gdl facility
RT gekko facility
RT helios facility
RT icf devices
RT indirect drive laser implosion
RT inertial confinement
RT inertial fusion drivers
RT laser implosions
RT nova facility
RT omega facility
RT shiva facility
RT trident facility
RT vulcan facility

laser guidance
Use beam transport
AND laser radiation

LASER IMPLOSIONS
UF *thermonuclear implosions (laser)*
BT1 implosions
NT1 direct drive laser implosion
NT1 indirect drive laser implosion
RT fusion yield
RT inertial confinement
RT laser fusion reactors
RT laser targets
RT laser-produced plasma
RT laser-radiation heating
RT pulsed fusion reactors

LASER ISOTOPE SEPARATION
(A laser photon beam selectively excites or ionizes one of the isotopes which can then be isolated by electromagnetic, chemical, or other methods.)
UF *avlis*
UF *silex process*
*BT1 isotope separation
RT lasers

LASER MATERIALS
INIS: Aug 1992; ETDE: Feb 1975
BT1 materials
RT laser radiation
RT lasers

LASER MIRRORS
BT1 mirrors
RT lasers

LASER POWER TRANSMISSION
INIS: Aug 1992; ETDE: Oct 1980
UF *power beaming*
BT1 power transmission
RT power systems

LASER-PRODUCED PLASMA
BT1 plasma
RT direct drive laser implosion
RT indirect drive laser implosion
RT laser implosions
RT laser-radiation heating
RT plasma production

laser pumping
See pumping

LASER RADIATION
UF+ *laser guidance*
*BT1 electromagnetic radiation
RT beat wave accelerators
RT laser doppler anemometers
RT laser drilling
RT laser materials
RT laser targets
RT laser welding
RT laser-radiation heating
RT lasers
RT monochromatic radiation
RT optical radar
RT superradiance
RT visible radiation

LASER-RADIATION HEATING
*BT1 plasma heating
RT direct drive laser implosion
RT indirect drive laser implosion
RT laser implosions
RT laser radiation
RT laser-produced plasma

LASER SPECTROSCOPY
INIS: Sep 1979; ETDE: Dec 1978
BT1 spectroscopy
NT1 raman spectroscopy
RT absorption spectroscopy
RT fluorescence spectroscopy
RT raman spectra

LASER TARGETS
INIS: Aug 1981; ETDE: Sep 1978
SF *icf targets*
SF *inertial confinement fusion targets*
BT1 targets
RT direct drive laser implosion
RT electron beam targets
RT indirect drive laser implosion
RT inertial confinement
RT ion beam targets
RT laser implosions
RT laser radiation
RT thermonuclear fuels

LASER WEAPONS
INIS: Apr 2000; ETDE: Mar 1979
*BT1 directed-energy weapons
RT lasers

LASER WELDING
*BT1 welding
RT laser radiation

LASERS
(Light Amplification by Stimulated Emission of Radiation)
UF+ *petawatt lasers*
SF *stimulated emission devices*
NT1 chemical lasers
NT1 free electron lasers
NT1 gas lasers
NT2 carbon dioxide lasers
NT2 carbon monoxide lasers
NT2 excimer lasers
NT3 krypton chloride lasers
NT3 krypton fluoride lasers
NT2 gas dynamic lasers
NT2 helium-neon lasers
NT2 helium-xenon lasers
NT2 iodine lasers
NT2 metal vapor lasers
NT1 liquid lasers
NT2 dye lasers
NT1 ring lasers
NT1 solid state lasers
NT2 diode-pumped solid state lasers
NT2 neodymium lasers
NT2 ruby lasers
NT2 semiconductor lasers
NT1 x-ray lasers
RT electrical pumping
RT electron beam pumping
RT frequency selection
RT gasers
RT laser cavities
RT laser doppler anemometers
RT laser isotope separation
RT laser materials
RT laser mirrors
RT laser radiation
RT laser weapons
RT light sources
RT masers
RT mode control
RT mode locking
RT mode selection
RT multi-photon processes
RT nuclear pumping
RT optical pumping
RT optical radar
RT q-switching
RT quantum electronics
RT radiation sources
RT stimulated emission

LASERTRONS
INIS: May 1986; ETDE: Nov 1986
*BT1 microwave tubes
RT power supplies
RT rf systems

lasl
Use lanl

lasl cold critical assembly
Use plasma core assembly

lasl critical assembly
Use parka reactor

lass growth method
Use crystal growth methods

LATCHKEY OPERATION
INIS: Apr 2000; ETDE: Nov 1976
*BT1 nuclear explosions
*BT1 underground explosions
RT contained explosions

late radiation effects
Use delayed radiation effects

LATENCY PERIOD
UF *disease free period*
RT acute irradiation
RT delayed radiation effects
RT incubation
RT quarantine
RT radiation syndrome

latent heat of fusion
Use fusion heat

latent heat of sublimation
Use sublimation heat

latent heat of transition
Use transition heat

latent heat of vaporization
Use vaporization heat

LATENT HEAT STORAGE
INIS: Jun 1993; ETDE: Jun 1977
(Storage of thermal energy in the latent heat of fusion of various materials.)
*BT1 heat storage
RT fusion heat
RT phase change materials
RT seasonal thermal energy storage
RT thermal energy storage equipment
RT vaporization heat

LATENT IMAGES
RT dielectric track detectors
RT nuclear emulsions
RT photographic emulsions
RT photographic films

laterologging
Use resistivity logging

LATEX
*BT1 rubbers
RT coatings
RT emulsions
RT natural rubber
RT protective coatings

LATHES
INIS: May 1980; ETDE: Jul 1978
*BT1 machine tools
RT machining

LATIN AMERICA
INIS: Mar 1986; ETDE: Aug 1978
NT1 central america
NT2 belize
NT2 costa rica
NT2 el salvador
NT2 guatemala
NT2 honduras
NT2 nicaragua
NT2 panama
NT1 cuba
NT1 dominican republic
NT1 haiti
NT1 jamaica
NT1 mexico
NT1 puerto rico
NT1 saint lucia
NT1 saint vincent and the grenadines
NT1 south america
NT2 argentina
NT3 mendoza
NT2 bolivia
NT3 chacaltaya
NT2 brazil
NT2 chile
NT2 colombia
NT2 ecuador
NT2 french guiana
NT2 guyana
NT2 paraguay
NT2 peru
NT2 surinam
NT2 uruguay
NT2 venezuela
RT west indies

latin america nuclear weapons prohibition treaty
Use tlatelolco treaty

LATINA REACTOR
(Borgo Sabotino, Latina, Italy)
UF *foce verde reactor*
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 thermal reactors

latir event
Use nuclear explosions
AND underground explosions

LATITUDE EFFECT
*BT1 geographical variations
RT equator

lattice defects
Use crystal defects

LATTICE FIELD THEORY
INIS: Nov 1978; ETDE: Dec 1978
*BT1 constructive field theory
RT gauge invariance
RT instantons
RT lie groups
RT wilson loop

LATTICE PARAMETERS
RT crystal lattices

LATTICE VIBRATIONS
UF *vibrations (lattice)*
RT anharmonic crystals
RT crystal structure
RT debye-waller factor
RT harmonics
RT nuclear specific heat
RT oscillation modes
RT rayleigh waves
RT vibrational states

lattices (crystal)
Use crystal lattices

lattices (reactor)
Use reactor lattices

LATVIA
INIS: Feb 1993; ETDE: Mar 1993
(Until January 1993, this was indexed by USSR.)
SF *soviet union*
SF *union of soviet socialist republics*
SF *ussr*
*BT1 eastern europe

laue-bragg scattering
Use bragg reflection

LAUE METHOD
BT1 diffraction methods
RT crystal lattices
RT kossel method
RT structural chemical analysis
RT x-ray diffraction

LAUMONTITE
INIS: Apr 2000; ETDE: Dec 1977
(A white zeolite mineral.)
*BT1 zeolites

LAUNCHING
RT missile launching sites
RT missiles
RT rockets
RT space vehicles

laundries
Use buildings
AND clothing
AND washing

lauric acid
Use dodecanoic acid

lauryl radicals
Use dodecyl radicals

lausanne tokamak
Use tca tokamak

lav virus
Use aids virus

LAVA
(A general term for a molten extrusive; also, for the rock that is solidified from it.)
*BT1 igneous rocks
RT eruption
RT magma
RT magnesium silicates
RT magnesium sulfates
RT silicate minerals
RT volcanism
RT volcanoes

LAVAGE
(Washing out of hollow organ by copious injections and rejections of water.)
UF+ *pulmonary lavage*
RT decontamination
RT excretion
RT lungs
RT respiratory system

LAVENITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 silicate minerals
RT calcium silicates
RT sodium silicates
RT zirconium silicates

LAVES PHASES
RT crystal lattices
RT intermetallic compounds

LAWRENCE BERKELEY LABORATORY
UF *lbl*
UF *uclbl*
UF *university of california lawrence radiation laboratory*
*BT1 us aec
*BT1 us doe
*BT1 us erda
RT california

LAWRENCE LIVERMORE LABORATORY
(Name changed to Lawrence Livermore National Laboratory, and more recent material should be indexed to LAWRENCE LIVERMORE NATIONAL LABORATORY.)
UF *uclll*
*BT1 lawrence livermore national laboratory
*BT1 us aec
*BT1 us erda
RT california
RT nova facility
RT shiva facility
RT tmx devices

LAWRENCE LIVERMORE NATIONAL LABORATORY
INIS: Apr 1984; ETDE: Aug 1994
(Formerly known as Lawrence Livermore Laboratory, and older material is so indexed.)
UF *llnl*
*BT1 us doe
NT1 lawrence livermore laboratory
RT california
RT nova facility
RT novette facility
RT shiva facility

LAWRENCIUM
*BT1 actinides
*BT1 transplutonium elements

LAWRENCIUM 252
INIS: Jan 2002; ETDE: Nov 1999
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 lawrencium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

LAWRENCIUM 253
INIS: Jun 1986; ETDE: Dec 1988
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 lawrencium isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

LAWRENCIUM 254
INIS: Jun 1986; ETDE: Dec 1988
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 lawrencium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

LAWRENCIUM 255
INIS: Jan 1977; ETDE: Apr 1976
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 lawrencium isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

LAWRENCIUM 256
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 lawrencium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

LAWRENCIUM 257
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 lawrencium isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

LAWRENCIUM 258
INIS: Jun 1986; ETDE: Apr 1976
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 lawrencium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

LAWRENCIUM 259
INIS: Jan 1977; ETDE: Nov 1976
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 lawrencium isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

LAWRENCIUM 260
INIS: Mar 1986; ETDE: Jun 1985
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 lawrencium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

LAWRENCIUM 261
INIS: Feb 1987; ETDE: Apr 1987
*BT1 actinide nuclei
*BT1 lawrencium isotopes
*BT1 odd-even nuclei

LAWRENCIUM 262
INIS: Feb 1987; ETDE: Apr 1987
*BT1 actinide nuclei
*BT1 lawrencium isotopes
*BT1 odd-odd nuclei

LAWRENCIUM 263
INIS: Feb 1987; ETDE: May 1987
*BT1 actinide nuclei
*BT1 lawrencium isotopes
*BT1 odd-even nuclei

lawrencium additions
See lawrencium compounds

lawrencium complexes
Use actinide complexes
AND transuranium complexes

LAWRENCIUM COMPOUNDS
SF *lawrencium additions*
BT1 actinide compounds
*BT1 transplutonium compounds

LAWRENCIUM ISOTOPES
BT1 isotopes
NT1 lawrencium 252
NT1 lawrencium 253
NT1 lawrencium 254
NT1 lawrencium 255
NT1 lawrencium 256
NT1 lawrencium 257
NT1 lawrencium 258
NT1 lawrencium 259
NT1 lawrencium 260
NT1 lawrencium 261
NT1 lawrencium 262
NT1 lawrencium 263

LAWS
(The whole body of laws, regulations, agreements, judicial or administrative decisions or practices which are binding or accepted as a rule of conduct. Until December 1990, this descriptor was spelled LAW.)
UF *corporation law*
UF *general law*
UF *municipal law*
UF *private law*
SF *invention secrecy act*
SF *legal incentives*
SF *materials and minerals policy acts*
SF *petroleum marketing practices act*
NT1 antitrust laws
NT1 atomic energy laws
  NT2 atomic energy act
  NT2 nuclear waste policy acts
NT1 case law
NT1 coastal zone management acts
NT1 energy conservation and production act
NT1 fishery laws
NT1 freedom of information act
NT1 international laws
NT1 maritime laws
NT1 mining laws
  NT2 surface mining acts
NT1 national energy acts
  NT2 us energy tax act
  NT2 us national energy conservation policy act
  NT2 us natural gas policy act
  NT2 us power plant and industrial fuel use act
  NT2 us public utility regulatory policies act
NT1 national energy conservation incentives act
NT1 patent laws
NT1 pollution laws
  NT2 clean air acts
  NT2 clean water acts
  NT2 us superfund
NT1 price-anderson act
NT1 privacy act
NT1 public law
NT1 radiation protection laws
NT1 regulations
  NT2 building codes
  NT2 contamination regulations
    NT3 maximum acceptable contamination
  NT2 international regulations
    NT3 oecd mcmsdrw
  NT2 licensing regulations
  NT2 packaging rules
  NT2 pollution regulations
  NT2 pricing regulations
  NT2 safeguard regulations
  NT2 transport regulations
NT1 resource recovery acts
NT1 tax laws
NT1 toxic substances control acts
NT1 us economic recovery tax act
NT1 us emergency preparedness act
NT1 us energy policy and conservation act
NT1 us energy security act
NT1 us national environmental policy act
NT1 us occupational safety and health act
NT1 waste disposal acts
  NT2 nuclear waste policy acts
NT1 wilderness protection acts
RT administrative procedures
RT agreements
RT amendments
RT compliance
RT enforcement
RT executive orders
RT hearings
RT legal aspects
RT legislation
RT legislative text
RT public policy
RT repeals
RT solar rights
RT speed limit
RT violations

LAWSON CRITERION
INIS: May 1978; ETDE: Jul 1978
(The energy output from a thermonuclear reactor can only exceed the plasma energy input if the product of plasma density and confinement time is higher than 10 exp 14 s/cm exp 3.)
RT breakeven
RT confinement time
RT plasma density
RT thermonuclear devices

LAWSUITS
INIS: Dec 1976; ETDE: Jun 1977
UF *litigation*
RT arbitration

RT courts
RT dispute settlements
RT hearings

LAX THEOREM
RT shock waves

LAYERS
NT1 boundary layers
NT2 plasma scrape-off layer
NT1 depletion layer
NT1 ozone layer
RT films
RT lamellae
RT stratification
RT stratigraphy
RT substrates

lbl
Use lawrence berkeley laboratory

LBL 88-INCH CYCLOTRON
INIS: Aug 1988; ETDE: Dec 1987
(Lawrence Berkeley Laboratory, Berkeley, California, USA.)
*BT1 uclrl cyclotrons

LC-FINING
INIS: Apr 2000; ETDE: Mar 1980
(Expanded-bed catalytic hydrotreating process (proprietary).)
RT coal liquids
RT hydrogenation
RT solvent-refined coal

lcao calculations
Use lcao method

LCAO METHOD
UF *lcao calculations*
UF *lcao mo calculations*
UF *lcao scf treatment*
UF *lcao theory*
UF *linear combination of atomic orbitals*
BT1 calculation methods
RT molecular orbital method
RT molecular structure
RT self-consistent field

lcao mo calculations
Use lcao method

lcao scf treatment
Use lcao method

lcao theory
Use lcao method

lcffc process
Use coal liquefaction

LCPMPDPW
INIS: Mar 1976; ETDE: Apr 1991
(1972 London Convention on Prevention of Marine Pollution by Dumping of Waste and other Matter)
UF *london convention for prevention of marine pollution*
UF *marine pollution prevention, london convention*
UF *pollution, prevention of marine, 1972 london convention on*
UF *prevention of marine pollution, 1972 london convention on*
*BT1 international agreements
RT contamination
RT marine disposal
RT oecd mcmsdrw
RT pollution

lcr
Use load collector ratio

lcre reactor
Use experimental reactors
AND lithium cooled reactors

ld 50
Use lethal radiation dose

LEACHATES
INIS: Feb 1981; ETDE: Apr 1980
(The liquid that has percolated through soil or other media; a solution obtained by leaching.)
*BT1 solutions
RT environmental transport
RT ground water
RT in-situ processing
RT leaching
RT liquid wastes
RT solvent extraction

LEACHING
UF *elution (soluble constituents)*
UF *lixiviation*
BT1 dissolution
BT1 separation processes
NT1 microbial leaching
RT diffusion
RT hydrometallurgy
RT in-situ processing
RT ion exchange chromatography
RT ion exchange materials
RT leachates
RT ore enrichment
RT ore processing
RT solubility
RT solution mining
RT solvent extraction
RT thiobacillus ferroxidans
RT thiobacillus oxidans

LEAD
*BT1 metals
RT shielding materials

LEAD 180
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 lead isotopes
*BT1 milliseconds living radioisotopes

LEAD 182
INIS: Feb 1988; ETDE: Jul 1987
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 milliseconds living radioisotopes

LEAD 183
INIS: Feb 1981; ETDE: Mar 1981
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 lead isotopes

LEAD 184
INIS: Jul 1980; ETDE: Aug 1980
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 milliseconds living radioisotopes

LEAD 185
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 seconds living radioisotopes

LEAD 186
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 seconds living radioisotopes

LEAD 187
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 seconds living radioisotopes

LEAD 188
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 seconds living radioisotopes

LEAD 189
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 seconds living radioisotopes

LEAD 190
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 minutes living radioisotopes

LEAD 191
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 minutes living radioisotopes

LEAD 192
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 minutes living radioisotopes

LEAD 193
INIS: Oct 1975; ETDE: May 1975
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 minutes living radioisotopes

LEAD 194
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 lead isotopes
*BT1 minutes living radioisotopes
*BT1 nanoseconds living radioisotopes

LEAD 195
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 minutes living radioisotopes

LEAD 196
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 minutes living radioisotopes

LEAD 197
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 lead isotopes
*BT1 minutes living radioisotopes

LEAD 198
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 lead isotopes

LEAD 199
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 lead isotopes
*BT1 minutes living radioisotopes

LEAD 200
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 lead isotopes
*BT1 nanoseconds living radioisotopes

LEAD 200 TARGET
INIS: Dec 1979; ETDE: Jan 1980
BT1 targets

LEAD 201
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 lead isotopes
*BT1 minutes living radioisotopes

LEAD 202
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 lead isotopes
*BT1 years living radioisotopes

LEAD 202 TARGET
INIS: Jul 1978; ETDE: Aug 1978
BT1 targets

LEAD 203
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 lead isotopes
*BT1 seconds living radioisotopes

LEAD 204
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 lead isotopes
*BT1 stable isotopes

LEAD 204 TARGET
BT1 targets

LEAD 205
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 lead isotopes
*BT1 milliseconds living radioisotopes
*BT1 years living radioisotopes

LEAD 205 TARGET
INIS: Nov 1978; ETDE: Apr 1978
BT1 targets

LEAD 206
UF *radium g*
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 stable isotopes

LEAD 206 REACTIONS
INIS: Aug 1986; ETDE: Sep 1986
*BT1 heavy ion reactions

LEAD 206 TARGET
BT1 targets

LEAD 207
UF *actinium d*
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 lead isotopes
*BT1 milliseconds living radioisotopes
*BT1 stable isotopes

LEAD 207 TARGET
BT1 targets

LEAD 208
UF *thorium d*
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 stable isotopes

LEAD 208 BEAMS
INIS: May 1978; ETDE: Jul 1978
*BT1 ion beams

LEAD 208 REACTIONS
INIS: Apr 1978; ETDE: Jul 1978
*BT1 heavy ion reactions

LEAD 208 TARGET
BT1 targets

LEAD 209
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 lead isotopes

LEAD 209 TARGET
INIS: Jul 1976; ETDE: Nov 1976
BT1 targets

LEAD 210
UF *radium d*
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 years living radioisotopes

LEAD 210 TARGET
INIS: Jul 1976; ETDE: Aug 1976
BT1 targets

LEAD 211
UF *actinium b*
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 minutes living radioisotopes

LEAD 212
UF *thorium b*
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 lead isotopes

LEAD 213
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 minutes living radioisotopes

LEAD 214
UF *radium b*
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 lead isotopes
*BT1 minutes living radioisotopes

LEAD 215
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 lead isotopes

LEAD 216
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 lead isotopes

LEAD-ACID BATTERIES
INIS: May 1992; ETDE: Jan 1975
UF *storage batteries (lead-acid)*
*BT1 electric batteries

LEAD ADDITIONS
(Alloys containing not more than 1% Pb are listed here.)
*BT1 lead alloys

LEAD ALLOYS
(Alloys containing more than 1% Pb.)
BT1 alloys
NT1 alloy-bi50pb25cd12sn12
NT2 wood metal
NT1 cerrobend alloys
NT1 lead additions
NT1 lead base alloys
NT2 terne-metal
NT1 lichtenberg alloy
NT1 newton-metal
NT1 ounce metal
NT1 rose-metal

LEAD BASE ALLOYS
*BT1 lead alloys
NT1 terne-metal

LEAD BROMIDES
*BT1 bromides
*BT1 lead halides

LEAD CARBIDES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 carbides
BT1 lead compounds

LEAD CARBONATES
*BT1 carbonates
BT1 lead compounds

LEAD CHLORIDES
*BT1 chlorides
*BT1 lead halides

LEAD COMPLEXES
BT1 complexes

LEAD COMPOUNDS
UF+ *lead nitrides*
NT1 lead carbides
NT1 lead carbonates
NT1 lead halides
NT2 lead bromides
NT2 lead chlorides
NT2 lead fluorides
NT2 lead iodides
NT1 lead hydrides
NT1 lead hydroxides
NT1 lead nitrates
NT1 lead oxides
NT1 lead perchlorates
NT1 lead phosphates
NT1 lead selenides
NT1 lead silicates
NT1 lead sulfates
NT1 lead sulfides
NT1 lead tellurides
NT1 lead tungstates
NT1 plumbates
NT1 plzt
NT1 pzt
NT1 tel

LEAD FLUORIDES
*BT1 fluorides
*BT1 lead halides

lead-free gasoline
Use unleaded gasoline

LEAD HALIDES
INIS: Apr 1984; ETDE: Feb 1975
*BT1 halides
BT1 lead compounds
NT1 lead bromides
NT1 lead chlorides
NT1 lead fluorides
NT1 lead iodides

LEAD HYDRIDES
INIS: Apr 2000; ETDE: Oct 1984
*BT1 hydrides
BT1 lead compounds

LEAD HYDROXIDES
*BT1 hydroxides
BT1 lead compounds

LEAD IODIDES
*BT1 iodides
*BT1 lead halides

LEAD IONS
*BT1 ions

LEAD ISOTOPES
BT1 isotopes
NT1 lead 180
NT1 lead 182
NT1 lead 183
NT1 lead 184
NT1 lead 185
NT1 lead 186
NT1 lead 187
NT1 lead 188
NT1 lead 189
NT1 lead 190
NT1 lead 191
NT1 lead 192
NT1 lead 193
NT1 lead 194
NT1 lead 195
NT1 lead 196
NT1 lead 197
NT1 lead 198
NT1 lead 199
NT1 lead 200
NT1 lead 201
NT1 lead 202
NT1 lead 203
NT1 lead 204
NT1 lead 205
NT1 lead 206
NT1 lead 207
NT1 lead 208
NT1 lead 209
NT1 lead 210
NT1 lead 211
NT1 lead 212
NT1 lead 213
NT1 lead 214
NT1 lead 215
NT1 lead 216

lead method
Use isotope dating

lead minerals
Use minerals

LEAD NITRATES
BT1 lead compounds
*BT1 nitrates

lead nitrides
Use lead compounds
AND nitrides

LEAD ORES
BT1 ores

LEAD OXIDES
BT1 lead compounds
*BT1 oxides
RT fourmarierite
RT hallimondite
RT moctezumite
RT oxide minerals
RT plumbates

LEAD PERCHLORATES
INIS: Apr 2000; ETDE: May 1977
BT1 lead compounds
*BT1 perchlorates

LEAD PHOSPHATES
BT1 lead compounds
*BT1 phosphates
RT dewindtite
RT phosphate minerals

LEAD SELENIDES
INIS: Jan 1977; ETDE: Jan 1975
BT1 lead compounds
*BT1 selenides

LEAD SILICATES
BT1 lead compounds
*BT1 silicates
RT alamosite

LEAD SULFATES
BT1 lead compounds
*BT1 sulfates

LEAD SULFIDES
BT1 lead compounds
*BT1 sulfides
RT galena
RT sulfide minerals

LEAD TELLURIDES
BT1 lead compounds
*BT1 tellurides

LEAD TUNGSTATES
INIS: Apr 1979; ETDE: May 1979
BT1 lead compounds
*BT1 tungstates

lead zirconate titanate
Use pzt

LEADING ABSTRACT
INIS: Aug 1991; ETDE: May 1975
BT1 abstracts

LEADING PARTICLES
INIS: Nov 1981; ETDE: Sep 1976
(Charged interaction products with large longitudinal momentum.)
BT1 elementary particles
RT particle models
RT particle production

LEAK DETECTORS
RT leak testing
RT leaks
RT reactor components

LEAK TESTING
BT1 testing
RT leak detectors
RT leaks
RT sealed sources

leakage
Use leaks

leakage (neutron)
Use neutron leakage

LEAKAGE CURRENT
UF *current (leakage)*
*BT1 electric currents

LEAKS
UF *leakage*
RT airtightness
RT containment
RT failures
RT fission product release
RT gloveboxes
RT leak detectors
RT leak testing
RT porosity
RT sealed sources

lear
Use cern lear

learn tandem accelerator
Use tandem electrostatic accelerators
AND van de graaff accelerators

LEARNING
RT attitudes
RT behavior

RT conditioned reflexes
RT education
RT training

LEASE CONDENSATES
INIS: Apr 2000; ETDE: Feb 1979
(Natural gas liquids recovered from gas well gas, associated and non-associated, in lease separators or field facilities.)
*BT1 natural gas liquids
RT liquefied petroleum gases

LEASES
INIS: Mar 1992; ETDE: Feb 1975
BT1 contracts
RT land leasing

LEASING
INIS: Jul 1986; ETDE: Feb 1975
NT1 land leasing
RT administrative procedures
RT agreements
RT contracts
RT legal aspects
RT resource exploitation

LEAST SQUARE FIT
*BT1 maximum-likelihood fit
RT prony method

LEATHER
RT skin

LEAVES
UF *foliage*
NT1 tea leaves
RT c4 species
RT calvin cycle species
RT canopies
RT chlorophyll
RT chlorosis
RT foliar uptake
RT forest litter
RT photosynthesis
RT plants
RT transpiration

LEBANON
BT1 arab countries
BT1 asia
BT1 developing countries
BT1 middle east

lebedev synchrotron
Use fian synchrotron

LECITHINS
UF *phosphatidylcholine*
*BT1 phospholipids
RT choline
RT glycerol

LECTINS
INIS: Dec 1982; ETDE: Oct 1981
(Substances not known to be antibodies but that combine specifically with antigens and produce phenomena resembling immunological reactions.)
NT1 concanavalin a
RT antibodies
RT antigen-antibody reactions
RT antigens

LECTURES
(Should be used to index all pieces of literature which are a lecture or a collection of lectures.)
BT1 document types

led
Use light emitting diodes

LEDGEMONT PROCESS
INIS: Apr 2000; ETDE: May 1975
(An oxygen leaching process for converting pyritics in coal slurries to soluble sulfates.)
*BT1 desulfurization
RT pyrite

LEE MODEL
*BT1 particle models

LEE-YANG THEORY
UF *salam hypothesis*
UF *yang-lee distribution*
RT beta decay
RT p invariance

leed
Use electron diffraction

LEGAL ASPECTS
(From August 1979 till March 1997 LEGAL INCENTIVES was a valid ETDE descriptor.)
UF *coercion*
UF+ *insurance law*
SF *document destruction*
SF *legal incentives*
NT1 antitrust review
RT administrative procedures
RT amendments
RT atomic energy control
RT compliance
RT conflicts of interest
RT consumer protection
RT eminent domain
RT enforcement
RT executive orders
RT financial incentives
RT iaea agreements
RT inspection
RT insurance
RT intervenors
RT joint ventures
RT land leasing
RT land ownership
RT laws
RT leasing
RT legislation
RT liabilities
RT licenses
RT licensing
RT mineral rights
RT ownership
RT patents
RT political aspects
RT price-anderson act
RT property rights
RT public policy
RT radiation protection
RT recommendations
RT regulations
RT regulatory guides
RT repeals
RT rights-of-way
RT safeguards
RT safety standards
RT sellback
RT solar rights
RT time delay
RT warranties
RT water rights
RT workmens compensation

legal incentives
See government policies
OR laws
OR legal aspects
OR regulations

LEGENDRE POLYNOMIALS
*BT1 polynomials
RT spherical harmonics method

LEGIONELLA ANISA
INIS: Apr 2000; ETDE: May 1985
*BT1 bacteria
RT bacterial diseases
RT infectious diseases

LEGIONELLA PNEUMOPHILA
INIS: Jul 1993; ETDE: Jun 1983
(The bacterium responsible for legionnaires' disease.)
*BT1 bacteria
RT bacterial diseases
RT cooling systems
RT infectious diseases

LEGISLATION
UF *legislative programs*
RT amendments
RT freedom of information act
RT hearings
RT implementation
RT laws
RT legal aspects
RT legislative text
RT local government
RT national government
RT public policy
RT regulations
RT state government
RT toxic substances control acts
RT us economic recovery tax act

legislative programs
Use legislation

LEGISLATIVE TEXT
INIS: Sep 1987; ETDE: Oct 1987
(Use only in conjunction with literary indicator Q for indexing the text of a piece of legislation.)
RT laws
RT legislation
RT regulations

LEGS
*BT1 limbs
NT1 feet
RT femur
RT sciatic nerve
RT tibia

LEGUMINOSAE
UF+ *honeylocust trees*
*BT1 magnoliopsida
NT1 alfalfa
NT1 clover
NT1 glycine hispida
NT1 locust trees
NT1 mesquite
NT1 phaseolus
NT1 pisum
NT1 vicia
NT1 vigna
RT mimosine
RT peanuts
RT rhizobium

LEHMANN-KAELLEN REPRESENTATION
RT quantum field theory

lehmann-symanzik-zimmermann method
Use lsz theory

LEIBSTADT REACTOR
*BT1 bwr type reactors

leipzig zfi
Use zfi leipzig

LEISURE TIME ACTIVITIES
INIS: Apr 2000; ETDE: Dec 1978
(From November 1978 till March 1997 LIFE STYLES was a valid ETDE descriptor.)
SF *life styles*
RT behavior
RT gardening
RT sociology

LEMONIZ-1 REACTOR
INIS: Apr 1977; ETDE: Jun 1977
(Lemoniz, Vizcaya, Spain)
*BT1 pwr type reactors

LEMONIZ-2 REACTOR
INIS: Apr 1977; ETDE: Jun 1977
(Lemoniz, Vizcaya, Spain)
*BT1 pwr type reactors

LEMONS
*BT1 fruits
RT citrus

lena triga-mk-2 pulsed reactor
Use triga-2-pavia reactor

LENDING INSTITUTIONS
INIS: Feb 1993; ETDE: Jun 1981
RT economy
RT financing

LENGTH
BT1 dimensions
NT1 bond lengths
NT1 coherence length
NT1 debye length
NT1 diffusion length
NT1 elementary length
NT1 extrapolation length
NT1 migration length
NT1 radiation length
NT1 scattering lengths
NT1 slowing-down length

lenin (nuclear ship)
Use ns lenin

LENIN REACTOR
UF *icebreaker lenin reactor*
UF *nuclear ship lenin reactor*
*BT1 pwr type reactors
*BT1 ship propulsion reactors
RT ns lenin

LENINGRAD-1 REACTOR
(Sosnovyy bor, Leningrad, Russian Federation)
UF *rbmk-1000 reactor*
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

LENINGRAD-2 REACTOR
(Sosnovyy bor, Leningrad, Russian Federation)
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

LENINGRAD-3 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

LENINGRAD-4 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

leningrad institute of nuclear physics
Use st petersburg institute of nuclear physics

LENINGRAD SYNCHROCYCLOTRON
INIS: Apr 2000; ETDE: May 1975
*BT1 synchrocyclotrons

leningrad wwr-m reactor
Use wwr-m-leningrad reactor

LENNARD-JONES POTENTIAL
BT1 potentials
RT interatomic forces

lens (crystalline)
Use crystalline lens

LENSES
NT1 electromagnetic lenses
NT1 electrostatic lenses
NT1 fresnel lens
NT1 gravitational lenses
RT optical systems

leonid brezhnev (nuclear ship)
Use ns leonid brezhnev

LEONID BREZHNEV REACTOR
INIS: Nov 1976; ETDE: Aug 1994
(Prior to November 1982 known as ARKTIKA REACTOR.)
UF *arktika reactor*
UF *icebreaker arktika reactor*
UF *icebreaker leonid brezhnev reactor*
UF *nuclear ship arktika reactor*
UF *nuclear ship leonid brezhnev reactor*
*BT1 pwr type reactors
*BT1 ship propulsion reactors
RT ns leonid brezhnev

LEP STORAGE RINGS
INIS: Sep 1977; ETDE: Nov 1977
(European Large Electron-Positron storage rings.)
UF *cern lep*
BT1 storage rings
*BT1 synchrotrons

LEPIDOPTERA
INIS: Mar 1985; ETDE: Jun 1981
*BT1 insects
NT1 moths
NT2 bollworm
NT2 codling moth
NT2 lymantria dispar
NT2 rice stem borers
NT2 silkworm

LEPROSY
*BT1 bacterial diseases
RT mycobacterium

LEPTIN
Feb 2003
*BT1 peptide hormones
*BT1 polypeptides
RT adipose tissue
RT fat cells
RT fats

LEPTON-BARYON INTERACTIONS
(Prior to March 1997 LEPTON-HYPERON INTERACTIONS was a valid ETDE descriptor.)
UF *lepton-hyperon interactions*
*BT1 lepton-hadron interactions
NT1 lepton-nucleon interactions
NT2 deep inelastic scattering
NT2 electron-nucleon interactions
NT3 electron-neutron interactions
NT3 electron-proton interactions
NT2 lepton-neutron interactions
NT3 antilepton-neutron interactions
NT4 antineutrino-neutron interactions
NT2 lepton-proton interactions
NT3 antilepton-proton interactions
NT4 antineutrino-proton interactions
NT2 muon-nucleon interactions
NT3 muon-neutron interactions
NT3 muon-proton interactions
NT2 neutrino-nucleon interactions
NT3 antineutrino-nucleon interactions
NT4 antineutrino-neutron interactions
NT4 antineutrino-proton interactions
NT3 neutrino-neutron interactions
NT4 antineutrino-neutron interactions
NT3 neutrino-proton interactions
NT4 antineutrino-proton interactions

LEPTON BEAMS
*BT1 particle beams
NT1 electron beams
NT1 muon beams
NT1 neutrino beams
NT2 antineutrino beams
NT1 positron beams

lepton-deuteron interactions
Use deuterium target
AND lepton reactions

LEPTON-HADRON INTERACTIONS
*BT1 particle interactions
NT1 lepton-baryon interactions
NT2 lepton-nucleon interactions
NT3 deep inelastic scattering
NT3 electron-nucleon interactions
NT4 electron-neutron interactions
NT4 electron-proton interactions
NT3 lepton-neutron interactions
NT4 antilepton-neutron interactions
NT5 antineutrino-neutron interactions
NT3 lepton-proton interactions
NT4 antilepton-proton interactions
NT5 antineutrino-proton interactions
NT3 muon-nucleon interactions
NT4 muon-neutron interactions
NT4 muon-proton interactions
NT3 neutrino-nucleon interactions
NT4 antineutrino-nucleon interactions
NT5 antineutrino-neutron interactions
NT5 antineutrino-proton interactions
NT4 neutrino-neutron interactions
NT5 antineutrino-neutron interactions
NT4 neutrino-proton interactions
NT5 antineutrino-proton interactions
NT1 lepton-meson interactions

NT2 electron-meson interactions
NT3 electron-pion interactions
NT2 muon-meson interactions
NT2 neutrino-meson interactions
RT electromagnetic interactions
RT weak interactions

lepton-hyperon interactions
Use lepton-baryon interactions

LEPTON-LEPTON INTERACTIONS
*BT1 particle interactions
NT1 electron-electron interactions
NT1 electron-muon interactions
NT1 electron-positron interactions
NT1 muon-muon interactions
NT1 neutrino-electron interactions
NT2 antineutrino-electron interactions
NT1 neutrino-muon interactions
NT1 neutrino-neutrino interactions
NT1 positron-positron interactions
RT electromagnetic interactions
RT weak interactions

LEPTON-MESON INTERACTIONS
*BT1 lepton-hadron interactions
NT1 electron-meson interactions
NT2 electron-pion interactions
NT1 muon-meson interactions
NT1 neutrino-meson interactions

LEPTON-NEUTRON INTERACTIONS
INIS: Jan 1977; ETDE: Apr 1977
*BT1 lepton-nucleon interactions
NT1 antilepton-neutron interactions
NT2 antineutrino-neutron interactions

LEPTON-NUCLEON INTERACTIONS
*BT1 lepton-baryon interactions
NT1 deep inelastic scattering
NT1 electron-nucleon interactions
NT2 electron-neutron interactions
NT2 electron-proton interactions
NT1 lepton-neutron interactions
NT2 antilepton-neutron interactions
NT3 antineutrino-neutron interactions
NT1 lepton-proton interactions
NT2 antilepton-proton interactions
NT3 antineutrino-proton interactions
NT1 muon-nucleon interactions
NT2 muon-neutron interactions
NT2 muon-proton interactions
NT1 neutrino-nucleon interactions
NT2 antineutrino-nucleon interactions
NT3 antineutrino-neutron interactions
NT3 antineutrino-proton interactions
NT2 neutrino-neutron interactions
NT3 antineutrino-neutron interactions
NT2 neutrino-proton interactions
NT3 antineutrino-proton interactions

LEPTON NUMBER
NT1 muon number
RT gauge invariance
RT leptons

LEPTON-PROTON INTERACTIONS
*BT1 lepton-nucleon interactions
NT1 antilepton-proton interactions
NT2 antineutrino-proton interactions

LEPTON REACTIONS
UF+ *lepton-deuteron interactions*
BT1 nuclear reactions
NT1 electron reactions
NT2 electrofission
NT1 muon reactions
NT1 neutrino reactions
NT1 positron reactions
RT emc effect

LEPTONIC DECAY
(Weak decay in which all decay products are leptons with at least one being a neutrino.)
*BT1 weak interactions
*BT1 weak particle decay
RT neutrinos
RT semileptonic decay

LEPTONS
(Prior to March 1997 FEINBERG-PAIS THEORY was a valid ETDE descriptor.)
SF *feinberg-pais theory*
SF *peratization procedure*
BT1 elementary particles
BT1 fermions
NT1 antileptons
NT2 antineutrinos
NT3 electron antineutrinos
NT3 muon antineutrinos
NT2 muons plus
NT2 positrons
NT3 cosmic positrons
NT1 electrons
NT2 cosmic electrons
NT2 exoelectrons
NT2 prompt electrons
NT2 runaway electrons
NT2 solar electrons
NT2 solvated electrons
NT2 tail electrons
NT2 trapped electrons
NT1 heavy leptons
NT2 heavy neutral muons
NT2 tau neutrinos
NT2 tau particles
NT1 muons
NT2 cosmic muons
NT2 muons minus
NT2 muons plus
NT1 neutrinos
NT2 antineutrinos
NT3 electron antineutrinos
NT3 muon antineutrinos
NT2 cosmic neutrinos
NT2 electron neutrinos
NT3 electron antineutrinos
NT2 muon neutrinos
NT3 muon antineutrinos
NT2 solar neutrinos
NT2 tau neutrinos
RT lepton number
RT preons
RT semileptonic decay

lermontovite
Use phosphate minerals
AND uranium minerals

LESOTHO
BT1 africa
BT1 developing countries

LESSER ANTILLES
INIS: Jun 1992; ETDE: Feb 1980
*BT1 west indies
NT1 antigua and barbuda
NT1 barbados
NT1 grenada
NT1 martinique
NT1 netherlands antilles
NT1 saint kitts and nevis
NT1 trinidad and tobago
NT1 virgin islands

LET
UF *linear energy transfer*
BT1 energy transfer
RT biological repair
RT bragg curve
RT dose equivalents
RT energy losses
RT ionization
RT microdosimetry
RT oxygen enhancement ratio
RT quality factor
RT radiation quality
RT rbe

LETHAL DOSES
INIS: Mar 1986; ETDE: Apr 1976
UF *doses (lethal)*
BT1 doses
NT1 lethal radiation dose
RT hazardous materials
RT toxicity

LETHAL GENES
BT1 genes
RT lethal mutations

LETHAL IRRADIATION
BT1 irradiation
RT death
RT dose-response relationships
RT lethal radiation dose
RT mortality
RT radiation doses
RT sublethal irradiation
RT supralethal irradiation
RT survival curves
RT survival time

LETHAL MUTATIONS
UF *lethals*
BT1 mutations
RT lethal genes

LETHAL RADIATION DOSE
(Referring to a percentage kill, frequently with a time indication.)
UF *ld 50*
*BT1 lethal doses
*BT1 radiation doses
RT lethal irradiation
RT sublethal irradiation
RT supralethal irradiation

lethals
Use lethal mutations

letters-of-credit
See financing

LETTUCE
*BT1 magnoliopsida
*BT1 vegetables

LEUCINE
UF *aminoisocaproic acid-alpha*
*BT1 amino acids

leucocytes
Use leukocytes

leucovorin
Use citrovorum factor

LEUKEMIA
*BT1 immune system diseases
*BT1 neoplasms
NT1 myeloid leukemia
RT bone marrow
RT leukemia viruses
RT leukemogenesis
RT leukocytes

RT lymphatic system
RT oncogenic viruses
RT splenomegaly
RT vinblastine

LEUKEMIA VIRUSES
INIS: Sep 1977; ETDE: Oct 1977
*BT1 oncogenic viruses
RT experimental neoplasms
RT leukemia

LEUKEMOGENESIS
*BT1 carcinogenesis
RT leukemia

LEUKOCYTES
UF *granulocytes*
UF *leucocytes*
SF *leukocytin*
*BT1 blood cells
NT1 basophils
NT1 eosinophils
NT1 lymphocytes
NT1 monocytes
NT1 natural killer cells
NT1 neutrophils
RT aids
RT leukemia
RT leukopenia
RT leukopoiesis
RT phagocytes

leukocytin
See blood formation
OR leukocytes

LEUKOPENIA
*BT1 hemic diseases
*BT1 immune system diseases
BT1 symptoms
NT1 lymphopenia
RT leukocytes
RT pathological changes

LEUKOPOIESIS
UF *lymphopoiesis*
BT1 blood formation
RT immune system diseases
RT leukocytes

level density
Use energy-level density

LEVEL INDICATORS
BT1 measuring instruments
RT radiometric gages

LEVEL MIXING RESONANCE
INIS: Aug 1986; ETDE: Sep 1989
(A resonant method which measures nuclear electric quadrupole and magnetic dipole interactions.)
BT1 resonance
RT nuclear magnetic resonance
RT nuclear quadrupole resonance

level schemes
Use energy levels

LEVEL WIDTHS
RT energy levels
RT energy-level density
RT lifetime
RT line widths
RT porter-thomas distribution

LEVELS
(Limited to vertical distance; see also ENERGY LEVELS.)
UF *elevation*
NT1 ground level
NT1 sea level
NT1 underground
NT1 underwater
RT altitude
RT height

LEVINGER-BETHE THEORY
UF *levinger method*
RT nucleons
RT photoproduction

levinger method
Use levinger-bethe theory

LEVINSON THEOREM
RT quantum mechanics
RT scattering

LEVITATED TRAINS
INIS: Apr 2000; ETDE: Nov 1975
UF *magnetic levitated trains*
*BT1 trains
RT levitation
RT railways

LEVITATION
RT levitated trains
RT magnetic fields

LEVITRON DEVICES
*BT1 internal ring devices

LEVULINIC ACID
UF *acetylpropionic acid-beta*
UF *ketovaleric acid-gamma*
*BT1 keto acids

levulose
Use fructose

levy-klein potential
Use potentials

levy potential
Use potentials

LEWIS ACIDS
INIS: Jun 1994; ETDE: Apr 1975
(Substances that can accept an electron pair.)
*BT1 inorganic acids
RT broensted acids
RT lewis bases

LEWIS BASES
INIS: Jun 1994; ETDE: Apr 1975
(Substances that can donate an electron pair.)
BT1 bases
RT lewis acids

lewis effect
Use lewis peak

LEWIS PEAK
UF *lewis effect*
RT nuclear reactions

LEWIS RIVER
INIS: Apr 2000; ETDE: May 1981
*BT1 rivers
RT hydroelectric power plants
RT washington

leyden event
Use anvil project

LFR REACTOR
(Stichting Energieonderzoek Centrum Nederland, Petten, Netherlands)
UF *lage flux reaktor petten*
UF *low flux reactor petten*
UF *petten low flux reactor*
*BT1 argonaut type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

LH
UF *interstitial cell stim hormone*
UF *luteinizing hormone*
*BT1 glycoproteins
*BT1 gonadotropins
RT androgens
RT estrous cycle
RT lh-rh

LH-RH
(LH-Releasing Hormone)
*BT1 liberins
RT lh

LHD DEVICE
INIS: Sep 1998; ETDE: Jul 1998
(Large Helical Device, National Institute for Fusion Sciences, Nagoya, Japan.)
*BT1 closed plasma devices
RT heliotron
RT torsatron stellarators

lhr heating
Use lower hybrid heating

LI-DRIFTED DETECTORS
*BT1 semiconductor detectors
NT1 li-drifted ge detectors
NT1 li-drifted junction detectors
NT1 li-drifted si detectors

LI-DRIFTED GE DETECTORS
UF *ge(li) detectors*
*BT1 ge semiconductor detectors
*BT1 li-drifted detectors

LI-DRIFTED JUNCTION DETECTORS
*BT1 junction detectors
*BT1 li-drifted detectors

LI-DRIFTED SI DETECTORS
UF *si(li) detectors*
*BT1 li-drifted detectors
*BT1 si semiconductor detectors

LIABILITIES
UF *absolute liability*
UF *accountability (legal)*
UF *contractual liability*
UF *cumulative liability*
UF *exclusive liability*
UF *fault liability*
UF *joint liability*
UF *state liability*
SF *accountability*
NT1 civil liability
NT1 nuclear liability
RT accidents
RT bcolons
RT exceptional natural disaster
RT financial security
RT hazards
RT indemnification agreements
RT insurance
RT joint ventures
RT legal aspects
RT liability exclusions
RT liability limitations
RT pcotpl
RT time limitations
RT victims compensation

liability conv maritime carriage nuclear materials
Use bcoclmcnm

liability conv nuclear damage, vienna
Use vcoclnd

liability conv on third party, brussels
Use bcstpc

liability conv on third party, paris
Use pcotpl

liability convention on operation of nuclear ships
Use bcolons

LIABILITY EXCLUSIONS
INIS: Dec 1976; ETDE: Aug 1994
(When under an international convention or national law the nuclear operator is not liable for the damage caused.)
UF *exclusions (liability)*
RT liabilities
RT nuclear liability

LIABILITY LIMITATIONS
INIS: Dec 1976; ETDE: Aug 1994
(When under an international convention or national law the liability of the nuclear operator for the damage caused is limited.)
UF *limitations (liability)*
RT liabilities
RT nuclear liability
RT time limitations

liapunov method
Use lyapunov method

LIBERIA
BT1 africa
BT1 developing countries

LIBERINS
INIS: Feb 1983; ETDE: Mar 1983
UF *releasing factors*
UF *releasing hormones*
*BT1 pituitary hormones
NT1 lh-rh

LIBRARIES
INIS: Aug 1994; ETDE: Nov 1975
RT buildings
RT data compilation
RT educational facilities
RT information
RT information centers
RT information systems
RT nuclear data collections
RT public buildings

libya
Use libyan arab jamahiriya

LIBYAN ARAB JAMAHIRIYA
INIS: Jan 1997; ETDE: Dec 1996
(Until January 1997 this concept was indexed to LIBYA.)
UF *libya*
BT1 africa
BT1 arab countries
BT1 developing countries
RT oapec
RT opec

LICADO PROCESS
INIS: Apr 2000; ETDE: Apr 1986
(Use of liquid carbon dioxide as a non-aqueous medium for cleaning ultrafine coal.)
BT1 coal preparation
BT1 separation processes

LICENSE APPLICATIONS
INIS: Jan 1981; ETDE: Aug 1980
UF *permit applications*
BT1 administrative procedures
RT licenses

LICENSES
UF *commercial licenses*
UF *handling licenses*
UF *permits*
UF *research licenses*
NT1 construction permits
NT1 operating licenses
RT legal aspects
RT license applications
RT licensing procedures
RT licensing regulations
RT property rights
RT site approvals

LICENSING
NT1 reactor licensing
RT audits
RT certification
RT inspection
RT legal aspects
RT patents
RT quality assurance
RT radiation protection
RT recommendations
RT regulations
RT safety standards
RT site selection

LICENSING PROCEDURES
INIS: Dec 1976; ETDE: Aug 1992
(Prior to August 1992 this concept in ETDE was indexed to LICENSE APPLICATIONS.)
BT1 administrative procedures
RT hearings
RT licenses
RT operating licenses

LICENSING REGULATIONS
INIS: Dec 1976; ETDE: Oct 1992
*BT1 regulations
RT licenses
RT operating licenses
RT retrofitting
RT risk assessment
RT safety analysis
RT safety reports

LICHENS
*BT1 algae
*BT1 eumycota

LICHTENBERG ALLOY
INIS: Apr 2000; ETDE: Dec 1974
*BT1 bismuth base alloys
*BT1 lead alloys
*BT1 tin alloys

LICHTENBERG FIGURES
RT breakdown
RT corona discharges
RT dielectric materials

lichtenberg process
Use coal gasification

lidar
Use optical radar

LIDO REACTOR
UF *ukaea-lido reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

LIE GROUPS
BT1 symmetry groups
NT1 conformal groups
NT1 de sitter group
NT1 graded lie groups
NT1 o groups
NT1 poincare groups
NT2 lorentz groups
NT1 sl groups
NT1 so groups
NT2 so-10 groups
NT2 so-12 groups
NT2 so-2 groups
NT2 so-3 groups
NT2 so-4 groups
NT2 so-6 groups
NT2 so-8 groups
NT1 sp groups
NT1 su groups
NT2 su-2 groups
NT2 su-3 groups
NT2 su-4 groups
NT2 su-5 groups
NT2 su-6 groups
NT2 su-7 groups
NT2 su-8 groups
NT2 su-9 groups
NT1 sw groups
NT1 u groups
NT2 u-1 groups
NT2 u-12 groups
NT2 u-2 groups
NT2 u-3 groups
NT2 u-4 groups
NT2 u-5 groups
NT2 u-6 groups
RT lattice field theory

lie superalgebra
Use graded lie groups

liebigite
Use carbonate minerals
AND uranium minerals

life (service)
Use service life

LIFE CYCLE
RT adolescents
RT adults
RT age groups
RT aged adults
RT children
RT elderly people
RT growth
RT infants
RT life span
RT ova
RT pregnancy
RT pupae
RT reproduction
RT ripening
RT viability

LIFE CYCLE ASSESSMENT
INIS: Mar 2001; ETDE: Nov 1999
RT energy consumption
RT environmental impacts
RT environmental policy
RT life-cycle cost
RT resource conservation

LIFE-CYCLE COST
INIS: Apr 1992; ETDE: Apr 1976
(The estimated total cost of a system during its entire service life.)
BT1 cost
RT cost benefit analysis
RT cost estimation

RT economics
RT life cycle assessment
RT payback period
RT service life

life shortening
Use life span

LIFE SPAN
UF *life shortening*
RT age dependence
RT death
RT dose commitments
RT life cycle
RT mortality

life styles
See behavior
OR leisure time activities
OR socio-economic factors

LIFE SUPPORT SYSTEMS
INIS: Nov 1980; ETDE: May 1979
(Systems providing atmospheric control and monitoring.)
RT decontamination
RT diving operations
RT miners
RT protective clothing
RT respirators

LIFETIME
UF *mean life*
NT1 carrier lifetime
NT1 service life
RT charge plunger method
RT days living radioisotopes
RT decay
RT dsa method
RT half-life
RT hours living radioisotopes
RT level widths
RT microseconds living radioisotopes
RT milliseconds living radioisotopes
RT minutes living radioisotopes
RT nanoseconds living radioisotopes
RT particle properties
RT particle widths
RT seconds living radioisotopes
RT storage life
RT years living radioisotopes

LIFT CYCLES
INIS: Apr 2000; ETDE: Aug 1980
(Open power cycles that use lift processes to increase the potential energy of transported water which turns a hydraulic turbine for power generation.)
UF *foam-lift cycles*
UF *otec foam-lift cycle*
UF *otec lift cycles*
SF *beck cycle*
BT1 thermodynamic cycles
NT1 mist-lift cycles
RT ocean thermal power plants
RT open-cycle systems

LIGAMENTS
*BT1 connective tissue

ligand exchange
Use ion exchange
AND ligands

LIGANDS
UF+ *ligand exchange*
RT complexes
RT coordination number
RT crown ethers
RT ligases
RT stereochemistry

LIGASES
(Code number 6.)
UF *synthetases*
*BT1 enzymes
RT biosynthesis
RT complexes
RT ligands

light
Use visible radiation

light (zodiacal)
Use zodiacal light

LIGHT BULB REACTORS
*BT1 gas fueled reactors

LIGHT BULBS
INIS: Apr 2000; ETDE: Jul 1977
UF *incandescent lamps*
UF *lamps*
NT1 fluorescent lamps
RT lighting systems

LIGHT CONE
BT1 space-time
RT cherenkov radiation
RT minkowski space
RT relativity theory

LIGHT EMITTING DIODES
UF *led*
*BT1 semiconductor diodes

light guides
Use optical fibers

LIGHT IONS
INIS: Sep 1977; ETDE: Nov 1977
(Whenever appropriate use one of the specific terms listed under ION BEAMS.)
*BT1 ions
RT ion beams
RT ion detection
RT multicharged ions

LIGHT NUCLEI
(For nuclei with mass 1-40.)
BT1 nuclei
NT1 aluminium 22
NT1 aluminium 23
NT1 aluminium 24
NT1 aluminium 25
NT1 aluminium 26
NT1 aluminium 27
NT1 aluminium 28
NT1 aluminium 29
NT1 aluminium 30
NT1 aluminium 31
NT1 aluminium 32
NT1 aluminium 33
NT1 aluminium 34
NT1 aluminium 35
NT1 aluminium 36
NT1 aluminium 37
NT1 aluminium 38
NT1 aluminium 39
NT1 argon 31
NT1 argon 32
NT1 argon 33
NT1 argon 34
NT1 argon 35
NT1 argon 36
NT1 argon 37
NT1 argon 38
NT1 argon 39
NT1 argon 40
NT1 beryllium 10
NT1 beryllium 11
NT1 beryllium 12
NT1 beryllium 13
NT1 beryllium 14
NT1 beryllium 5
NT1 beryllium 6
NT1 beryllium 7
NT1 beryllium 8
NT1 beryllium 9
NT1 boron 10
NT1 boron 11
NT1 boron 12
NT1 boron 13
NT1 boron 14
NT1 boron 15
NT1 boron 16
NT1 boron 17
NT1 boron 18
NT1 boron 19
NT1 boron 7
NT1 boron 8
NT1 boron 9
NT1 calcium 35
NT1 calcium 36
NT1 calcium 37
NT1 calcium 38
NT1 calcium 39
NT1 calcium 40
NT1 carbon 10
NT1 carbon 11
NT1 carbon 12
NT1 carbon 13
NT1 carbon 14
NT1 carbon 15
NT1 carbon 16
NT1 carbon 17
NT1 carbon 18
NT1 carbon 19
NT1 carbon 20
NT1 carbon 22
NT1 carbon 8
NT1 carbon 9
NT1 chlorine 31
NT1 chlorine 32
NT1 chlorine 33
NT1 chlorine 34
NT1 chlorine 35
NT1 chlorine 36
NT1 chlorine 37
NT1 chlorine 38
NT1 chlorine 39
NT1 chlorine 40
NT1 deuterium
NT1 fluorine 14
NT1 fluorine 15
NT1 fluorine 16
NT1 fluorine 17
NT1 fluorine 18
NT1 fluorine 19
NT1 fluorine 20
NT1 fluorine 21
NT1 fluorine 22
NT1 fluorine 23
NT1 fluorine 24
NT1 fluorine 25
NT1 fluorine 26
NT1 fluorine 27
NT1 fluorine 29
NT1 helium 10
NT1 helium 2
NT1 helium 3
NT2 helium 3 a
NT2 helium 3 a1
NT2 helium 3 b
NT1 helium 4
NT2 helium i
NT2 helium ii
NT1 helium 5
NT1 helium 6
NT1 helium 7
NT1 helium 8

NT1 helium 9
NT1 hydrogen 1
NT1 hydrogen 4
NT1 hydrogen 5
NT1 hydrogen 6
NT1 hydrogen 7
NT1 lithium 10
NT1 lithium 11
NT1 lithium 12
NT1 lithium 13
NT1 lithium 3
NT1 lithium 4
NT1 lithium 5
NT1 lithium 6
NT1 lithium 7
NT1 lithium 8
NT1 lithium 9
NT1 magnesium 20
NT1 magnesium 21
NT1 magnesium 22
NT1 magnesium 23
NT1 magnesium 24
NT1 magnesium 25
NT1 magnesium 26
NT1 magnesium 27
NT1 magnesium 28
NT1 magnesium 29
NT1 magnesium 30
NT1 magnesium 31
NT1 magnesium 32
NT1 magnesium 33
NT1 magnesium 34
NT1 magnesium 35
NT1 magnesium 36
NT1 neon 16
NT1 neon 17
NT1 neon 18
NT1 neon 19
NT1 neon 20
NT1 neon 21
NT1 neon 22
NT1 neon 23
NT1 neon 24
NT1 neon 25
NT1 neon 26
NT1 neon 27
NT1 neon 28
NT1 neon 29
NT1 neon 30
NT1 neon 32
NT1 nitrogen 11
NT1 nitrogen 12
NT1 nitrogen 13
NT1 nitrogen 14
NT1 nitrogen 15
NT1 nitrogen 16
NT1 nitrogen 17
NT1 nitrogen 18
NT1 nitrogen 19
NT1 nitrogen 20
NT1 nitrogen 21
NT1 nitrogen 22
NT1 nitrogen 23
NT1 oxygen 12
NT1 oxygen 13
NT1 oxygen 14
NT1 oxygen 15
NT1 oxygen 16
NT1 oxygen 17
NT1 oxygen 18
NT1 oxygen 19
NT1 oxygen 20
NT1 oxygen 21
NT1 oxygen 22
NT1 oxygen 23
NT1 oxygen 24
NT1 oxygen 28
NT1 phosphorus 21
NT1 phosphorus 24
NT1 phosphorus 25
NT1 phosphorus 26
NT1 phosphorus 27
NT1 phosphorus 28
NT1 phosphorus 29
NT1 phosphorus 30
NT1 phosphorus 31
NT1 phosphorus 32
NT1 phosphorus 33
NT1 phosphorus 34
NT1 phosphorus 35
NT1 phosphorus 36
NT1 phosphorus 37
NT1 phosphorus 38
NT1 phosphorus 39
NT1 phosphorus 40
NT1 potassium 35
NT1 potassium 36
NT1 potassium 37
NT1 potassium 38
NT1 potassium 39
NT1 potassium 40
NT1 scandium 39
NT1 scandium 40
NT1 silicon 22
NT1 silicon 23
NT1 silicon 24
NT1 silicon 25
NT1 silicon 26
NT1 silicon 27
NT1 silicon 28
NT1 silicon 29
NT1 silicon 30
NT1 silicon 31
NT1 silicon 32
NT1 silicon 33
NT1 silicon 34
NT1 silicon 35
NT1 silicon 36
NT1 silicon 37
NT1 silicon 38
NT1 silicon 39
NT1 silicon 40
NT1 sodium 19
NT1 sodium 20
NT1 sodium 21
NT1 sodium 22
NT1 sodium 23
NT1 sodium 24
NT1 sodium 25
NT1 sodium 26
NT1 sodium 27
NT1 sodium 28
NT1 sodium 29
NT1 sodium 30
NT1 sodium 31
NT1 sodium 32
NT1 sodium 33
NT1 sodium 34
NT1 sodium 35
NT1 sulfur 24
NT1 sulfur 27
NT1 sulfur 28
NT1 sulfur 29
NT1 sulfur 30
NT1 sulfur 31
NT1 sulfur 32
NT1 sulfur 33
NT1 sulfur 34
NT1 sulfur 35
NT1 sulfur 36
NT1 sulfur 37
NT1 sulfur 38
NT1 sulfur 39
NT1 sulfur 40
NT1 titanium 39
NT1 titanium 40
NT1 tritium
RT nuclear structure

LIGHT PIPES
RT scintillation counters

LIGHT SCATTERING
INIS: Jul 1994; ETDE: Jan 1975
BT1 scattering
RT diffuse solar radiation
RT optical properties
RT visible radiation

LIGHT SOURCES
BT1 radiation sources
RT advanced light source
RT advanced photon source
RT lasers
RT nsls
RT photon beams
RT pohang light source
RT swiss light source
RT synchrotron radiation sources
RT visible radiation

LIGHT TRANSMISSION
INIS: Mar 1992; ETDE: Jan 1975
BT1 transmission
RT fiber optics
RT opacity
RT optical properties

light water cooled reactors
Use water cooled reactors

light water moderated reactors
Use water moderated reactors

lighter-than-air craft
Use aircraft

LIGHTERING
INIS: Apr 2000; ETDE: Aug 1979
(Transhipment of petroleum from VLCC to second vessel in order to reduce VLCC draft so that she can enter harbor.)
BT1 materials handling
RT petroleum
RT tanker ships
RT transport

LIGHTING LOADS
INIS: Apr 2000; ETDE: May 1981
RT lighting systems

LIGHTING SYSTEMS
INIS: Mar 1986; ETDE: Jan 1975
UF *illumination systems*
BT1 energy systems
RT ballasts
RT daylighting
RT electrical equipment
RT fluorescent lamps
RT illuminance
RT light bulbs
RT lighting loads
RT optical systems
RT remote viewing equipment
RT skylights
RT visible radiation

LIGHTNING
BT1 electric discharges
NT1 ball lightning
RT storms
RT whistlers

LIGHTNING ARRESTERS
*BT1 electrical equipment
RT circuit breakers

lightwood
Use wood

LIGNIN
*BT1 polysaccharides
RT bark
RT biomass
RT delignification
RT glycosides
RT hemicellulose
RT polyacetals
RT wood
RT xylans

LIGNITE
SF *soft coal*
*BT1 brown coal
RT subbituminous coal

LIGROIN
INIS: Apr 2000; ETDE: Dec 1975
(Any of several petroleum naphtha fractions boiling usually in the range 20 to 135 degrees C consisting chiefly of pentanes and hexanes.)
UF *benzine*
UF *petroleum ether*
*BT1 naphtha
BT1 petroleum products

LILIOPSIDA
INIS: Dec 1991; ETDE: Dec 1988
(Prior to August 1996 TRILLIUM was a valid ETDE descriptor.)
UF *monocotyledons*
UF *trillium*
*BT1 magnoliophyta
NT1 allium sativum
NT1 aloe
NT1 banana plants
NT1 buckwheat
NT1 cattails
NT1 coconut palms
NT1 gramineae
NT2 bamboo
NT2 cereals
NT3 barley
NT3 maize
NT3 millet
NT3 oats
NT3 rice
NT3 rye
NT3 sorghum
NT3 wheat
NT2 reeds
NT3 sugar cane
NT1 lilium
NT1 oil palms
NT1 onions
NT2 allium cepa
NT1 tradescantia
NT1 water hyacinths

LILIUM
*BT1 liliopsida

LIMBS
BT1 body
NT1 arms
NT2 hands
NT3 fingers
NT1 legs
NT2 feet
RT muscles
RT skeleton

LIME-LIMESTONE WET SCRUBBING PROCESSES
INIS: Jul 1992; ETDE: Apr 1977
(Any processes for desulfurization of stack gases using a slurry of calcium oxide or calcium carbonate to absorb sulfur dioxide in a wet scrubber.)
UF *sf nateko process*
UF+ *jecco process*
*BT1 desulfurization
BT1 scrubbing
NT1 bischoff process
RT waste processing

LIME-SODA SINTER PROCESS
INIS: Apr 2000; ETDE: Mar 1981
(A high temperature method for extracting aluminium from fly ash while also producing a by-product used in the manufacture of Portland cement.)
*BT1 waste processing
RT aluminium
RT fly ash
RT materials recovery
RT portland cement

LIMERICK-1 REACTOR
(Limerick, Pennsylvania, USA)
UF *philadelphia electric power reactor-1*
*BT1 bwr type reactors

LIMERICK-2 REACTOR
(Limerick, Pennsylvania, USA)
UF *philadelphia electric power reactor-2*
*BT1 bwr type reactors

LIMESTONE
UF *chalks*
UF *dolomite rock*
*BT1 carbonate rocks
NT1 travertine
RT calcite
RT calcium carbonates
RT dolomite
RT magnesium carbonates

limestone dual alkali desulfurization process
Use cea-adl dual alkali process

LIMING
INIS: Mar 1992; ETDE: Feb 1984
(The addition of limestone or its oxidized derivatives to soil or water as a means of modifying pH.)
RT calcium carbonates
RT calcium oxides
RT land reclamation
RT ph value
RT pollution
RT pollution control
RT soil chemistry
RT soils
RT water

LIMIT CYCLE
INIS: Feb 1994; ETDE: Feb 1994
(A periodic solution of a dynamical problem towards which all other solution curves tend, in some domain of attraction.)
BT1 attractors
RT chemical reaction kinetics
RT differential equations
RT dynamics
RT equations of motion
RT hamiltonian function
RT lyapunov method
RT non-equilibrium plasma
RT nonlinear problems
RT orbits
RT phase space
RT trajectories

limitations (liability)
Use liability limitations

LIMITER CIRCUITS
BT1 electronic circuits

LIMITERS
UF *diaphragms (thermonuclear device)*
UF *insulating limiters*
NT1 pumped limiters
RT pinch devices
RT pinch effect
RT plasma confinement
RT plasma diagnostics
RT plasma impurities
RT thermonuclear devices

LIMITING FRAGMENTATION
UF *fragmentation (limiting)*
UF+ *cumulative effect*
BT1 hypothesis
RT asymptotic solutions
RT inclusive interactions
RT laboratory system
RT lorentz transformations
RT multiple production
RT particle models

LIMITING VALUES
(Upper and/or lower bounds on a physical property determined theoretically or experimentally.)
SF *constraints*
RT nuclear properties
RT particle properties
RT thermodynamic properties

limnanthes alba
Use meadow foam

LIMNOLOGY
(The physical, chemical, meteorological, and esp. the biological and ecological conditions in inland waters.)
RT acid neutralizing capacity
RT aquatic ecosystems
RT eutrophication
RT fresh water
RT hydrosphere
RT oceanography
RT sediment-water interfaces
RT sedimentary basins

LIMONITE
*BT1 iron ores
*BT1 oxide minerals
RT goethite
RT hematite
RT iron oxides

linacs
Use linear accelerators

LINDANE
INIS: May 1976; ETDE: Aug 1976
UF *gamma benzene hexachloride*
UF *gamma hexachlorohexane*
*BT1 chlorinated alicyclic hydrocarbons
*BT1 insecticides

LINE BROADENING
UF *broadening (line)*
UF *spectral broadening*
NT1 doppler broadening
RT line narrowing
RT line widths
RT optical depth curve

RT spectra
RT spectroscopic curve of growth
RT stark effect

LINE DEFECTS
*BT1 crystal defects
NT1 crowdions
NT1 dislocations
NT2 edge dislocations
NT2 screw dislocations

line losses
Use power losses
AND power transmission lines

LINE NARROWING
INIS: Jul 1976; ETDE: Sep 1976
UF *spectral narrowing*
RT line broadening
RT line widths
RT spectra

LINE WIDTHS
RT level widths
RT line broadening
RT line narrowing
RT spectra

lineaments
Use geologic structures

LINEAR ABSORPTION MODELS
INIS: Feb 1976; ETDE: Jan 1975
(Models satisfying operator equation a = rs, where a is the physical scattering amplitude, r is the product of the input regge pole amplitude, and s is a rescattering factor; and the scalar equation for partial wave projections a(b)= r(b)s(b), where b = (j + 1/2)/k is the impact parameter.)
UF *absorption model*
UF *absorption models (linear)*
UF *models (linear absorption)*
*BT1 particle models
RT partial waves
RT regge poles
RT scattering amplitudes

LINEAR ACCELERATORS
(HELAC, ING LINAC, MINNESOTA UNIV LINAC, and ZERAN LINAC have been valid ETDE descriptors.)
UF *helac*
UF *linacs*
UF *minnesota univ linac*
UF *zeran linac*
UF+ *ing linac*
UF+ *intense neutron generator linac*
BT1 accelerators
NT1 anu superconducting linac
NT1 beat wave accelerators
NT1 beijing electron-positron collider
NT1 beijing proton linac
NT1 brookhaven 200-mev linac
NT1 cebaf accelerator
NT1 cern linac
NT1 fmit linac
NT1 frascati linac
NT1 hilacs
NT2 atlas superconducting linac
NT2 superhilac
NT1 jaeri linac
NT1 kek linac
NT1 kharkov linac
NT1 lampf linac
NT1 linear colliders
NT2 stanford linear collider
NT1 llnl advanced test accelerator
NT1 mea linac
NT1 mit bates linac
NT1 nrl linac
NT1 orela
NT1 orsay linac
NT1 quadrupole linacs
NT1 rilac
NT1 saclay linac
NT1 stanford 1.2-gev linac
NT1 stanford 20-gev linac
NT1 swierk linac
NT1 unilac
NT1 wakefield accelerators
RT drift tubes
RT kek photon factory
RT neutron source facilities
RT pigmi facilities

LINEAR COLLIDERS
INIS: Aug 1993; ETDE: Dec 1987
*BT1 linear accelerators
NT1 stanford linear collider
RT colliding beams

linear combination of atomic orbitals
Use lcao method

linear energy transfer
Use let

LINEAR HARD CORE PINCH DEVICES
UF *inverse pinch devices (linear)*
UF *tubular pinch devices (linear)*
UF *unpinch devices*
*BT1 linear pinch devices
RT hard core pinch

LINEAR MOMENTUM
UF *impulse (linear momentum)*
UF *momentum (linear)*
NT1 longitudinal momentum
NT1 transverse momentum
RT angular momentum
RT dalitz plot
RT energy-momentum tensor
RT kinetic energy
RT linear momentum operators
RT linear momentum resolution
RT mass
RT motion
RT prism plot
RT velocity

LINEAR MOMENTUM OPERATORS
*BT1 quantum operators
RT linear momentum

LINEAR MOMENTUM RESOLUTION
BT1 resolution
RT linear momentum

LINEAR MOMENTUM TRANSFER
UF *transfer (linear momentum)*
BT1 momentum transfer
RT energy transfer
RT four momentum transfer
RT straight-line path approximation

LINEAR PINCH DEVICES
(Prior to July 1996 MEGATRON was a valid ETDE descriptor.)
UF *megatron*
*BT1 open plasma devices
*BT1 pinch devices
NT1 linear hard core pinch devices
NT1 linear screw pinch devices
NT1 linear theta pinch devices
NT2 isar devices
NT2 scylla devices
NT1 linear z pinch devices
RT linear pinch type reactors

LINEAR PINCH TYPE REACTORS
INIS: Apr 2000; ETDE: Sep 1976
BT1 thermonuclear reactors
RT linear pinch devices

LINEAR PROGRAMMING
(Optimization of operations or procedures in terms of maximized, or minimized, functions of many variables subject to constraints.)
BT1 programming
RT dynamic programming
RT econometrics
RT mathematical models
RT nonlinear programming
RT optimization

LINEAR RATEMETERS
*BT1 counting ratemeters

LINEAR SCREW PINCH DEVICES
UF *combined pinch devices (linear)*
*BT1 linear pinch devices
RT screw pinch

linear-segmented array collector
Use slat type collectors

LINEAR THETA PINCH DEVICES
UF *azimuthal pinch devices (linear)*
UF *orthogonal pinch devices (linear)*
UF *piace devices*
UF+ *bsg devices*
*BT1 linear pinch devices
NT1 isar devices
NT1 scylla devices
RT theta pinch

LINEAR Z PINCH DEVICES
UF *longitudinal pinch devices (linear)*
UF *z pinch devices (linear)*
*BT1 linear pinch devices
RT longitudinal pinch

LINERS
INIS: Nov 1977; ETDE: Jan 1975
UF *linings*
RT containers
RT lining processes
RT linus reactors
RT seals
RT shells
RT surface coating
RT tanks

LINGAO-1 REACTOR
INIS: May 2000; ETDE: Nov 1999
(Shenzhen, Guangdong, China.)
*BT1 pwr type reactors

LINGAO-2 REACTOR
INIS: May 2000; ETDE: Nov 1999
(Shenzhen, Guangdong, China.)
*BT1 pwr type reactors

LINGEN REACTOR
UF *kernkraftwerk lingen*
UF *kwl reactor*
*BT1 bwr type reactors

LINING PROCESSES
RT liners
RT surface coating

linings
Use liners

linking (borehole)
Use borehole linking

LINOLEIC ACID
*BT1 monocarboxylic acids

LINOLENIC ACID
*BT1 monocarboxylic acids

linotrons
Use cyclic accelerators

LINSEED OIL
UF *flaxseed oil*
*BT1 triglycerides
*BT1 vegetable oils
RT flax plants
RT plasticizers

linseed plants
Use flax plants

LINUS REACTORS
INIS: Aug 1981; ETDE: Jan 1978
BT1 thermonuclear reactors
RT implosions
RT liners
RT magnetic compression

liouville equation
Use boltzmann-vlasov equation

LIOUVILLE THEOREM
RT phase space
RT statistical mechanics

lipase
Use lipases

LIPASES
(From January 1981 to January 1990, this was not a valid ETDE descriptor and material from these years was indexed to LIPASE.)
UF *lipase*
*BT1 carboxylesterases

LIPIDS
UF+ *lanolin*
UF+ *wool fat*
BT1 organic compounds
NT1 glycolipids
NT2 cerebrosides
NT2 gangliosides
NT1 lipopolysaccharides
NT1 lipoproteins
NT2 apolipoproteins
NT2 myelin
NT1 phospholipids
NT2 cardiolipin
NT2 lecithins
NT2 sphingomyelins
NT1 triglycerides
NT2 corn oil
NT2 linseed oil
NT2 olive oil
NT2 peanut oil
NT2 soybean oil
NT2 triolein
RT cholesterol
RT choline
RT chylomicrons
RT esters
RT fats
RT liposomes
RT lipotropic factors
RT valinomycin

LIPIODOL
BT1 contrast media
*BT1 oils
*BT1 organic iodine compounds

lipoic acid (alpha)
Use thioctic acid

LIPOPOLYSACCHARIDES
*BT1 lipids
*BT1 polysaccharides

LIPOPROTEINS
UF *proteolipids*
*BT1 lipids
*BT1 proteins
NT1 apolipoproteins
NT1 myelin
RT membrane proteins

LIPOSOMES
INIS: Feb 1980; ETDE: Jul 1979
(Lipoidal inclusions in the cytoplasm or substances prepared in vitro of alternating lipid and water layers and proposed as target-specific pharmaceutical delivery systems in organisms.)
UF *multilamellar lipid vesicles*
RT carriers
RT cell constituents
RT chemotherapy
RT cytoplasm
RT lipids

LIPOTROPIC FACTORS
BT1 drugs
NT1 betaine
NT1 choline
NT1 ethionine
NT1 inositol
NT1 methionine
NT1 phytic acid
NT1 thioctic acid
RT lipids
RT vitamin b group

LIPPMANN-SCHWINGER EQUATION
*BT1 integral equations
RT blankenbecler-sugar equations
RT faddeev equations
RT quantum mechanics
RT quasipotential equation
RT schwinger variational method

lips
Use oral cavity

liptinite
Use exinite

LIQUEFACTION
UF *liquefying*
BT1 thermochemical processes
NT1 coal liquefaction
NT2 bcl process
NT2 bergius process
NT2 catalytic hydrosolvation process
NT2 cffc process
NT2 coed process
NT2 costeam process
NT2 dow liquefaction process
NT2 exxon liquefaction process
NT2 flash hydropyrolysis process
NT2 h-coal process
NT2 liquid phase methanol process
NT2 occidental flash pyrolysis process
NT2 pamco process
NT2 pyrosol process
NT2 sasol process
NT2 sasol-ii process
NT2 src-ii process
NT2 synthoil process
NT2 synthol process
NT2 tsl process
NT1 in-situ liquefaction
RT melting
RT vapor condensation

LIQUEFIED GASES
INIS: Mar 1992; ETDE: Jan 1982
*BT1 liquids
NT1 liquefied natural gas
NT1 liquefied petroleum gases
RT cryogenic fluids

LIQUEFIED NATURAL GAS
INIS: Mar 1992; ETDE: Jan 1975
UF *lng*
*BT1 liquefied gases
*BT1 natural gas
RT liquefied petroleum gases
RT liquid fuels
RT lng industry
RT lng plants
RT natural gas liquids
RT north star project
RT terminal facilities

LIQUEFIED PETROLEUM GASES
INIS: Mar 1992; ETDE: Apr 1975
UF *lp-gas*
*BT1 liquefied gases
*BT1 natural gas liquids
BT1 petroleum products
RT heating oils
RT lease condensates
RT liquefied natural gas
RT lpg industry
RT plant condensates

liquefiers
Use vapor condensers

liquefying
Use liquefaction

liquid asphalt
Use petroleum residues

LIQUID COLUMN CHROMATOGRAPHY
INIS: Apr 1977; ETDE: Jun 1977
*BT1 chromatography

LIQUID CONTAMINATION MONITORS
*BT1 radiation monitors
RT contamination

LIQUID CRYSTALS
BT1 crystals
*BT1 liquids
RT pockels cell

liquid-dominated hydrothermal convective systems
See geothermal hot-water systems

LIQUID DROP MODEL
*BT1 nuclear models
RT neutron emission
RT weizsaecker formula

liquid effluents
Use liquid wastes

LIQUID FLOW
BT1 fluid flow
RT hydraulic conductivity
RT hydrodynamics
RT liquids
RT multiphase flow
RT thermal conductivity
RT two-phase flow

LIQUID FUELS
BT1 fuels
NT1 alcohol fuels

NT2 ethanol fuels
NT2 methanol fuels
NT1 diesel fuels
NT1 fuel oils
NT2 heating oils
NT2 residual fuels
NT1 fuel solutions
NT1 gasohol
NT1 gasoline
NT2 unleaded gasoline
NT1 jet engine fuels
NT1 kerosene
NT1 liquid metal fuels
NT1 molten salt fuels
RT automotive fuels
RT coal liquids
RT liquefied natural gas

LIQUID HOLDING RECOVERY
BT1 biological recovery

LIQUID HOMOGENEOUS REACTORS
*BT1 fluid fueled reactors
*BT1 homogeneous reactors
NT1 aqueous homogeneous reactors
NT2 ai-l-77 reactor
NT2 ber-2 reactor
NT2 byu l-77 reactor
NT2 cesnef reactor
NT2 dr-1 reactor
NT2 frf reactor
NT2 hre-2 reactor
NT2 jrr-1 reactor
NT2 kewb reactor
NT2 kstr reactor
NT2 ncscr-1 reactor
NT2 nevada university reactor
NT2 prnc-l-77 reactor
NT2 supo reactor
NT2 wrrr reactor
RT fuel solutions

LIQUID ION EXCHANGERS
*BT1 ion exchange materials

LIQUID IONIZATION CHAMBERS
*BT1 ionization chambers

LIQUID LASERS
INIS: Aug 1992; ETDE: May 1977
BT1 lasers
NT1 dye lasers

liquid-liquid extraction
Use solvent extraction

liquid magnets
Use liquids
AND magnetic materials

liquid metal coolant
Use liquid metals

LIQUID METAL COOLED REACTORS
BT1 reactors
NT1 lithium cooled reactors
NT1 lmfbr type reactors
NT2 beloyarsk-3 reactor
NT2 beloyarsk-4 reactor
NT2 bn-1600 reactor
NT2 bn-350 reactor
NT2 bn-800 reactor
NT2 bor-60 reactor
NT2 cdfr reactor
NT2 clinch river breeder reactor
NT2 dfr reactor
NT2 ebr-1 reactor
NT2 ebr-2 reactor
NT2 enrico fermi-1 reactor
NT2 joyo reactor
NT2 kalpakkam lmfbr reactor
NT2 monju reactor
NT2 pfr reactor
NT2 phenix reactor
NT2 plbr reactor
NT2 rapsodie reactor
NT2 sbr-1 reactor
NT2 sbr-2 reactor
NT2 sbr-5 reactor
NT2 snr reactor
NT2 snr-2 reactor
NT2 super phenix reactor
NT1 mercury cooled reactors
NT2 clementine reactor
NT2 sbr-2 reactor
NT1 nak cooled reactors
NT2 ebr-1 reactor
NT2 s10fs-1 reactor
NT2 s10fs-3 reactor
NT2 s10fs-4 reactor
NT2 s2ds reactor
NT2 s8dr reactor
NT2 s8er reactor
NT2 ser reactor
NT2 snaptran reactors
NT1 potassium cooled reactors
NT2 ebr-1 reactor
NT2 ser reactor
NT2 snap 10 reactor
NT3 s10fs-1 reactor
NT3 s10fs-3 reactor
NT3 s10fs-4 reactor
NT2 snap-tsf reactor
NT2 snaptran reactors
NT1 sodium cooled reactors
NT2 beloyarsk-3 reactor
NT2 beloyarsk-4 reactor
NT2 bn-1600 reactor
NT2 bn-350 reactor
NT2 bn-800 reactor
NT2 bor-60 reactor
NT2 cdfr reactor
NT2 clinch river breeder reactor
NT2 ebr-1 reactor
NT2 ebr-2 reactor
NT2 enrico fermi-1 reactor
NT2 fftf reactor
NT2 hnpf reactor
NT2 knk reactor
NT2 knk-2 reactor
NT2 lampre-1 reactor
NT2 monju reactor
NT2 pfr reactor
NT2 phenix reactor
NT2 rapsodie reactor
NT2 sbr-5 reactor
NT2 sefor reactor
NT2 ser reactor
NT2 sgr type reactors
NT3 sre reactor
NT2 snap 10 reactor
NT3 s10fs-1 reactor
NT3 s10fs-3 reactor
NT3 s10fs-4 reactor
NT2 snap-tsf reactor
NT2 snaptran reactors
NT2 snr reactor
NT2 snr-2 reactor
NT2 super phenix reactor
NT2 zrr reactor
NT1 szr type reactors
NT2 knk reactor
NT2 knk-2 reactor

LIQUID METAL FUELS
*BT1 liquid fuels
*BT1 nuclear fuels
RT fluid fueled reactors

LIQUID-METAL MHD GENERATORS
INIS: Dec 1975; ETDE: May 1975
*BT1 closed-cycle mhd generators

liquid metal test facilities
Use test facilities

liquid metal-water reactions
Use molten metal-water reactions

LIQUID METALS
UF *liquid metal coolant*
*BT1 liquids
*BT1 metals
RT coolants

LIQUID PENETRANT INSPECTION
UF *fluorescent penetrant tests*
UF *penetrant inspection (liquid)*
*BT1 nondestructive testing

LIQUID PHASE EPITAXY
INIS: Jan 1984; ETDE: Oct 1982
(Epitaxial growth resulting from precipitation from a supersaturated melt in contact with the substrate.)
*BT1 epitaxy
RT crystal growth

liquid phase methanation process
Use coal gasification

LIQUID PHASE METHANOL PROCESS
INIS: Jan 1993; ETDE: May 1983
(Indirect coal liquefaction process developed by Chem Systems for DOE.)
*BT1 coal liquefaction
RT methanol

liquid-phase sintering
Use sintering

LIQUID PROPORTIONAL COUNTERS
*BT1 proportional counters

LIQUID SCINTILLATION DETECTORS
*BT1 scintillation counters
RT liquid scintillators
RT scintillation quenching

LIQUID SCINTILLATORS
BT1 phosphors
RT liquid scintillation detectors
RT scintillation counting
RT terphenyls

liquid sodium-water reactions
Use molten metal-water reactions

LIQUID WASTES
UF *effluents (liquid)*
UF *liquid effluents*
UF *waste solutions*
UF+ *sewage disposal*
UF+ *sewage treatment*
SF *emissions (industrial)*
BT1 wastes
NT1 spent liquors
NT1 waste water
NT2 shale tar water
RT acid mine drainage
RT bioadsorbents
RT biochemical oxygen demand
RT biological wastes

RT ceramic melters
RT chemical effluents
RT chemical oxygen demand
RT emissions tax
RT ground disposal
RT ground water
RT industrial wastes
RT leachates
RT organic wastes
RT plumes
RT radioactive effluents
RT reinjection
RT surface waters
RT waste disposal
RT waste disposal acts
RT waste forms
RT waste processing
RT water
RT water pollution monitors
RT wet oxidation processes

LIQUIDS
UF+ *ferrofluids*
UF+ *liquid magnets*
UF+ *magnetic liquids*
BT1 fluids
NT1 black liquids
NT1 coal liquids
NT1 liquefied gases
NT2 liquefied natural gas
NT2 liquefied petroleum gases
NT1 liquid crystals
NT1 liquid metals
NT1 natural gas liquids
NT2 gas condensates
NT2 lease condensates
NT2 liquefied petroleum gases
NT2 plant condensates
RT dispersions
RT droplets
RT hydrostatic bearings
RT liquid flow
RT phase diagrams
RT pour point
RT structure factors
RT vapors
RT void fraction

LISP
INIS: Sep 1994; ETDE: Aug 1985
BT1 programming languages
RT artificial intelligence

litek lamp
Use fluorescent lamps

LITHIUM
*BT1 alkali metals

LITHIUM 10
*BT1 light nuclei
*BT1 lithium isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

LITHIUM 11
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 lithium isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

LITHIUM 11 REACTIONS
INIS: Jan 1990; ETDE: Feb 1990
*BT1 heavy ion reactions

LITHIUM 11 TARGET
INIS: Jan 1998; ETDE: Feb 1998
BT1 targets

LITHIUM 12
INIS: Sep 1992; ETDE: Feb 1975
*BT1 light nuclei
*BT1 lithium isotopes
*BT1 odd-odd nuclei

LITHIUM 13
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 lithium isotopes
*BT1 odd-even nuclei

LITHIUM 3
*BT1 light nuclei
*BT1 lithium isotopes
*BT1 odd-even nuclei

LITHIUM 4
*BT1 light nuclei
*BT1 lithium isotopes
*BT1 odd-odd nuclei

LITHIUM 5
*BT1 alpha decay radioisotopes
*BT1 light nuclei
*BT1 lithium isotopes
*BT1 odd-even nuclei

LITHIUM 6
*BT1 light nuclei
*BT1 lithium isotopes
*BT1 odd-odd nuclei
*BT1 stable isotopes
RT lithium 6 beams
RT lithium 6 reactions

LITHIUM 6 BEAMS
*BT1 ion beams
RT lithium 6

LITHIUM 6 REACTIONS
*BT1 heavy ion reactions
RT lithium 6

LITHIUM 6 TARGET
BT1 targets

LITHIUM 7
*BT1 light nuclei
*BT1 lithium isotopes
*BT1 odd-even nuclei
*BT1 stable isotopes
RT lithium 7 beams
RT lithium 7 reactions

LITHIUM 7 BEAMS
*BT1 ion beams
RT lithium 7

LITHIUM 7 REACTIONS
*BT1 heavy ion reactions
RT lithium 7

LITHIUM 7 TARGET
BT1 targets

LITHIUM 8
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 lithium isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

LITHIUM 8 REACTIONS
INIS: Sep 1979; ETDE: Oct 1979
*BT1 heavy ion reactions

LITHIUM 8 TARGET
INIS: Oct 1991; ETDE: Nov 1991
BT1 targets

LITHIUM 9
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 lithium isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

LITHIUM 9 REACTIONS
INIS: Mar 1991; ETDE: Apr 1991
*BT1 heavy ion reactions

LITHIUM 9 TARGET
INIS: Mar 1976; ETDE: Jul 1976
BT1 targets

LITHIUM ADDITIONS
(Alloys containing not more than 1% Li are listed here.)
*BT1 lithium alloys

LITHIUM ALLOYS
(Alloys containing more than 1% Li.)
BT1 alloys
NT1 lithium additions
NT1 lithium base alloys

LITHIUM ARSENIDES
INIS: Apr 2000; ETDE: Sep 1984
*BT1 arsenides
*BT1 lithium compounds

LITHIUM BASE ALLOYS
*BT1 lithium alloys

LITHIUM BORIDES
*BT1 borides
*BT1 lithium compounds

LITHIUM BROMIDES
*BT1 bromides
*BT1 lithium halides

LITHIUM CARBIDES
*BT1 carbides
*BT1 lithium compounds

LITHIUM CARBONATES
*BT1 carbonates
*BT1 lithium compounds

LITHIUM CHLORIDES
*BT1 chlorides
*BT1 lithium halides

LITHIUM-CHLORINE BATTERIES
INIS: Apr 2000; ETDE: Jun 1975
*BT1 metal-gas batteries

LITHIUM COMPLEXES
BT1 complexes

LITHIUM COMPOUNDS
BT1 alkali metal compounds
NT1 lithium arsenides
NT1 lithium borides
NT1 lithium carbides
NT1 lithium carbonates
NT1 lithium halides
NT2 lithium bromides
NT2 lithium chlorides
NT2 lithium fluorides
NT2 lithium iodides
NT1 lithium hydrides
NT2 lithium deuterides
NT2 lithium tritides
NT1 lithium hydroxides
NT1 lithium nitrates
NT1 lithium nitrides
NT1 lithium oxides
NT1 lithium perchlorates

NT1 lithium phosphates
NT1 lithium phosphides
NT1 lithium selenides
NT1 lithium silicates
NT1 lithium silicides
NT1 lithium sulfates
NT1 lithium sulfides
NT1 lithium tellurides
NT1 lithium titanates
NT1 lithium tungstates
NT1 lithium uranates

lithium cooled reactor experiment
Use experimental reactors
AND lithium cooled reactors

LITHIUM COOLED REACTORS
INIS: May 1976; ETDE: Jan 1975
UF+ *lcre reactor*
UF+ *lithium cooled reactor experiment*
*BT1 liquid metal cooled reactors

LITHIUM-COPPER CHLORIDE BATTERIES
INIS: Apr 2000; ETDE: Mar 1976
*BT1 metal-nonmetal batteries

LITHIUM DEUTERIDES
*BT1 deuterides
*BT1 lithium hydrides

LITHIUM FLUORIDES
*BT1 fluorides
*BT1 lithium halides
RT dielectric track detectors
RT flibe
RT thermoluminescent dosemeters

LITHIUM HALIDES
INIS: Aug 1981; ETDE: Apr 1975
*BT1 halides
*BT1 lithium compounds
NT1 lithium bromides
NT1 lithium chlorides
NT1 lithium fluorides
NT1 lithium iodides

LITHIUM HYDRIDES
*BT1 hydrides
*BT1 lithium compounds
NT1 lithium deuterides
NT1 lithium tritides

LITHIUM HYDROXIDES
*BT1 hydroxides
*BT1 lithium compounds

LITHIUM IODIDES
*BT1 inorganic phosphors
*BT1 iodides
*BT1 lithium halides

LITHIUM IONS
*BT1 ions

LITHIUM ISOTOPES
BT1 isotopes
NT1 lithium 10
NT1 lithium 11
NT1 lithium 12
NT1 lithium 13
NT1 lithium 3
NT1 lithium 4
NT1 lithium 5
NT1 lithium 6
NT1 lithium 7
NT1 lithium 8
NT1 lithium 9

LITHIUM NITRATES
*BT1 lithium compounds
*BT1 nitrates

LITHIUM NITRIDES
*BT1 lithium compounds
*BT1 nitrides

LITHIUM OXIDES
*BT1 lithium compounds
*BT1 oxides

LITHIUM PERCHLORATES
INIS: Oct 1977; ETDE: Oct 1975
*BT1 lithium compounds
*BT1 perchlorates

LITHIUM PHOSPHATES
*BT1 lithium compounds
*BT1 phosphates

LITHIUM PHOSPHIDES
INIS: Apr 2000; ETDE: Dec 1984
*BT1 lithium compounds
*BT1 phosphides

LITHIUM SELENIDES
*BT1 lithium compounds
*BT1 selenides

LITHIUM SILICATES
*BT1 lithium compounds
*BT1 silicates
RT petalite

LITHIUM SILICIDES
INIS: Apr 2000; ETDE: Feb 1979
*BT1 lithium compounds
*BT1 silicides

LITHIUM SULFATES
*BT1 lithium compounds
*BT1 sulfates

LITHIUM SULFIDES
*BT1 lithium compounds
*BT1 sulfides

LITHIUM-SULFUR BATTERIES
INIS: Jan 1993; ETDE: Feb 1975
*BT1 metal-nonmetal batteries

LITHIUM TELLURIDES
INIS: Jun 1977; ETDE: Nov 1976
*BT1 lithium compounds
*BT1 tellurides

LITHIUM TITANATES
Jun 2003
*BT1 lithium compounds
*BT1 titanates

LITHIUM TRITIDES
INIS: Feb 1976; ETDE: May 1975
*BT1 lithium hydrides
*BT1 tritides

LITHIUM TUNGSTATES
INIS: May 1978; ETDE: Jun 1977
*BT1 lithium compounds
*BT1 tungstates

LITHIUM URANATES
INIS: Nov 1975; ETDE: Aug 1975
*BT1 lithium compounds
*BT1 uranates

LITHIUM-WATER-AIR BATTERIES
INIS: Apr 2000; ETDE: Jan 1976
*BT1 metal-gas batteries

LITHOLOGY
INIS: Nov 1975; ETDE: Apr 1975
(Description of the physical character of a rock as determined by eye or a low power magnifier and based on color, structure, mineralogic components and grain size.)
*BT1 petrology
RT rocks

LITHOTYPES
INIS: Apr 2000; ETDE: May 1978
RT coal
RT macerals
RT petrology

LITHUANIA
INIS: Jan 1993; ETDE: Jan 1993
(Prior to January 1993, this was indexed by USSR.)
SF *soviet union*
SF *union of soviet socialist republics*
SF *ussr*
*BT1 eastern europe

LITHUANIAN ORGANIZATIONS
INIS: Jul 1999; ETDE: Aug 1999
BT1 national organizations

litigation
Use lawsuits

LITR REACTOR
UF *low intensity test reactor*
UF *us aec low intensity test reactor*
UF *us aec low intensity training reactor*
*BT1 enriched uranium reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

LITTER SIZE
RT progeny

LITTLE BOY
INIS: Oct 1985; ETDE: Nov 1984
(The name of the nuclear weapon exploded over Hiroshima, Japan.)
*BT1 nuclear weapons
RT a-bomb survivors
RT atmospheric explosions
RT hiroshima
RT nuclear explosions

LITTLE ICE AGE
INIS: Jun 1993; ETDE: Feb 1987
(Cold period lasting from the 15th to the 19th centuries in the northern hemisphere.)
RT climates
RT paleoclimatology

LITTLE TENNESSEE RIVER
INIS: Apr 2000; ETDE: May 1981
*BT1 rivers
RT hydroelectric power plants
RT tennessee
RT tennessee valley authority
RT tennessee valley region

live time
Use dead time

LIVER
BT1 digestive system
*BT1 glands
RT abdomen
RT biliary tract
RT glycogen
RT hepatectomy
RT hepatitis
RT hepatomas

RT jaundice
RT liver cells
RT liver cirrhosis
RT metabolic diseases
RT metabolism
RT peritoneum
RT portal system
RT reticuloendothelial system

LIVER CELLS
INIS: Jun 1983; ETDE: Jun 1982
UF *hepatocytes*
*BT1 somatic cells
RT liver

LIVER CIRRHOSIS
*BT1 digestive system diseases
RT liver

livermore pool type reactor
Use lptr reactor

livestock
Use domestic animals

living standards
Use standard of living

lixiviation
Use leaching

LIZARDS
*BT1 reptiles

ljubljana triga-mk-2 reactor
Use triga-2-ljubljana reactor

ljungstrom process
Use in-situ retorting
AND oil shales

LLAMAS
*BT1 ruminants

llnl
Use lawrence livermore national laboratory

LLNL ADVANCED TEST ACCELERATOR
INIS: May 1988; ETDE: Dec 1987
(Linear induction accelerator at Lawrence Livermore Laboratory, Livermore, California, USA.)
SF *advanced test accelerator*
*BT1 linear accelerators
RT electron beams
RT induction

LLOYDMINSTER DEPOSIT
INIS: Apr 2000; ETDE: Apr 1975
*BT1 oil sand deposits

LM DEVICES
(Linear multipoles.)
*BT1 internal ring devices
RT multipolar configurations

LMFBR TYPE REACTORS
SF *medec process*
*BT1 fbr type reactors
*BT1 liquid metal cooled reactors
NT1 beloyarsk-3 reactor
NT1 beloyarsk-4 reactor
NT1 bn-1600 reactor
NT1 bn-350 reactor
NT1 bn-800 reactor
NT1 bor-60 reactor
NT1 cdfr reactor
NT1 clinch river breeder reactor
NT1 dfr reactor
NT1 ebr-1 reactor
NT1 ebr-2 reactor
NT1 enrico fermi-1 reactor
NT1 joyo reactor
NT1 kalpakkam lmfbr reactor
NT1 monju reactor
NT1 pfr reactor
NT1 phenix reactor
NT1 plbr reactor
NT1 rapsodie reactor
NT1 sbr-1 reactor
NT1 sbr-2 reactor
NT1 sbr-5 reactor
NT1 snr reactor
NT1 snr-2 reactor
NT1 super phenix reactor

lng
Use liquefied natural gas

LNG INDUSTRY
INIS: Apr 1993; ETDE: Jun 1978
*BT1 natural gas industry
RT liquefied natural gas
RT lng plants

LNG PLANTS
INIS: Apr 1993; ETDE: Jan 1976
BT1 industrial plants
RT liquefied natural gas
RT lng industry
RT natural gas

lng spills
Use gas spills

LNLS STORAGE RING
INIS: Feb 1991; ETDE: Feb 1991
(Brazilian Synchrotron Radiation Source.)
UF *brazilian lnls synchrotron*
BT1 storage rings
*BT1 synchrotron radiation sources

LO AGUIRRE RECH-2 REACTOR
INIS: Feb 1989; ETDE: Mar 1989
(Lo Aguirre, Santiago, Chile.)
*BT1 pool type reactors
*BT1 research reactors

load (dynamic)
Use dynamic loads

LOAD ANALYSIS
INIS: Jan 1992; ETDE: Apr 1981
(Measurement and study of the load characteristics of the more important services rendered by the utility.)
UF *analysis (load)*
UF *load characteristics*
RT electric utilities
RT gas utilities
RT load management
RT peak load

load characteristics
Use load analysis

LOAD COLLECTOR RATIO
INIS: Apr 2000; ETDE: May 1981
(Ratio of building load coefficient (btu/dd) to the solar collector area (sq. Ft.).)
UF *lcr*
RT buildings
RT heating load
RT passive solar heating systems

LOAD MANAGEMENT
INIS: Nov 1977; ETDE: Mar 1976
(Management of electric power demands on a distribution grid to achieve maximum power-production efficiency.)
BT1 management
RT capacity
RT dispersed storage and generation
RT electric power
RT load analysis
RT marginal-cost pricing
RT off-peak energy storage
RT peak load
RT peak-load pricing
RT peaking power plants
RT time-of-use pricing

LOADERS
INIS: Apr 2000; ETDE: Apr 1985
*BT1 haulage equipment
NT1 cutter loaders
NT2 coal plows
NT2 continuous miners
NT2 heading machines
NT2 shearer loaders
RT materials handling
RT mine haulage

LOADING
INIS: Oct 1980; ETDE: Aug 1978
(Until June 1997 this concept was indexed to MATERIALS HANDLING)
BT1 materials handling
RT unloading

loading (fission reactor)
Use reactor fueling

loading machines (fission reactor)
Use reactor charging machines

LOADING RATE
INIS: Feb 1992; ETDE: Jul 1978
RT chemical reactors

loads (dynamic)
Use dynamic loads

loads (power demand)
Use power demand

loads (static)
Use static loads

loads (stresses)
Use stresses

LOAM
BT1 soils
RT clays

loan guarantees
Use financial incentives

loans
Use financing

lobachevsky-bolyai geometry
Use lobachevsky geometry

LOBACHEVSKY GEOMETRY
UF *lobachevsky space*
UF *lobachevsky-bolyai geometry*
*BT1 geometry
RT mathematical space

lobachevsky space
Use lobachevsky geometry

lobbies
Use interest groups

LOBSTERS
INIS: Apr 1977; ETDE: Jan 1976
*BT1 decapods
RT prawns
RT seafood

loca
Use loss of coolant

LOCAL AREA NETWORKS
INIS: Apr 1994; ETDE: Apr 1994
UF *lans*
BT1 computer networks

local boiling
Use subcooled boiling

LOCAL FALLOUT
UF *close-in fallout*
BT1 fallout
RT civil defense
RT external irradiation
RT fallout shelters
RT nuclear weapons
RT shelters

local galaxy
Use milky way

LOCAL GOVERNMENT
INIS: Feb 1981; ETDE: Aug 1977
RT government policies
RT legislation
RT national government
RT public officials
RT regional cooperation
RT regulations
RT social services
RT state government
RT us federal assistance programs

local group
Use galaxies

LOCAL IRRADIATION
BT1 irradiation
RT abscopal radiation effects
RT external irradiation
RT local radiation effects
RT partial body irradiation
RT spatial dose distributions

LOCAL RADIATION EFFECTS
*BT1 biological radiation effects
NT1 osteoradionecrosis
NT1 radiation burns
NT1 radiodermatitis
RT local irradiation

local thermodynamic equilibrium
Use lte

LOCALITY
RT nonlocal potential
RT phi4-field theory
RT quantum field theory

localization (biological)
Use biological localization

LOCK-IN AMPLIFIERS
INIS: Apr 2000; ETDE: Mar 1984
(Amplifiers that use some automatic synchronization with an external reference signal to measure very weak signals in the presence of very strong noise.)
*BT1 amplifiers
RT electronic circuits
RT gain

locks (security)
Use physical protection devices

LOCOMOTIVES
INIS: Mar 1993; ETDE: Jan 1986
*BT1 trains
RT railroad cars
RT railways

LOCUST TREES
INIS: Jan 1992; ETDE: Apr 1986
UF *robinia pseudoacacia*
*BT1 leguminosae
*BT1 trees
RT mycorrhizas

LOCUSTS
*BT1 grasshoppers

LODOCHNIKITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 thorium minerals
*BT1 uranium minerals
RT thorium oxides
RT titanium oxides
RT uranium oxides

LOFRECO PROCESS
INIS: Apr 2000; ETDE: Jun 1980
(Horizontal in-situ retorting process with low front end cost developed by Geokinetics Inc. For areas where shale bed is relatively thin and close to the surface.)
RT oil shales

LOFT REACTOR
(E.G. and G. Idaho, Inc., Idaho Falls, Idaho, USA)
UF *loss of fluid test reactor*
*BT1 pwr type reactors
*BT1 tank type reactors
*BT1 test reactors

LOGARITHMIC RATEMETERS
*BT1 counting ratemeters

logging while drilling
Use mwd systems

logic (mathematics)
Use mathematical logic

LOGIC CIRCUITS
BT1 electronic circuits
RT gating circuits

lollipop event
Use vela project

london convention for prevention of marine pollution
Use lcpmpdpw

LONDON EQUATION
BT1 equations
RT superconductivity

london safety of life at sea convention
Use solas convention

LONG COUNTERS
*BT1 moderating detectors

LONG ISLAND SOUND
INIS: Apr 1992; ETDE: Mar 1981
*BT1 atlantic ocean
*BT1 estuaries
RT connecticut
RT mid-atlantic bight
RT new york

long-lens spectrometers
Use magnetic lens spectrometers

long-range interactions
Use interaction range

LONG-RANGE TRANSPORT
INIS: Sep 1992; ETDE: Aug 1983
*BT1 environmental transport
RT air pollution
RT pollutants
RT pollution
RT transfrontier pollution
RT water pollution

LONG SHOT EVENT
BT1 vela project

long term intake
Use chronic intake

long term irradiation
Use chronic irradiation

LONG VALLEY
INIS: Jun 1992; ETDE: Apr 1976
BT1 valleys
RT california

LONG WAVE RADIATION
UF *low frequency radiation*
*BT1 radiowave radiation

LONGITUDINAL MOMENTUM
UF *momentum (longitudinal)*
BT1 linear momentum
RT center-of-mass system
RT nuclear reactions
RT particle interactions
RT particle rapidity
RT transverse momentum

LONGITUDINAL PINCH
UF *zet pinch*
BT1 pinch effect
NT1 belt pinch
RT linear z pinch devices
RT tlp devices

longitudinal pinch devices (linear)
Use linear z pinch devices

longitudinal pinch devices (toroidal)
Use tlp devices

LONGWALL MINING
INIS: Jul 1992; ETDE: Mar 1977
*BT1 underground mining
RT coal mining
RT hydraulic mining

loops (coolant)
Use coolant loops

loops (in pile)
Use in pile loops

LOOSE PARTS MONITORING
INIS: Aug 1981; ETDE: Dec 1976
(Monitoring foreign, misplaced, or loose objects in reactor cores and cooling systems.)
BT1 monitoring
RT reactor instrumentation
RT reactor monitoring systems

LOPRA REACTOR
UF *low power reactor assembly*
UF *university of illinois lopra reactor*
*BT1 triga type reactors

LORENTZ FORCE
RT charged particles
RT interactions
RT magnetic fields
RT ponderomotive force

LORENTZ GAS
UF *lorentz plasma*

*BT1 fully ionized gases

LORENTZ GROUPS
*BT1 poincare groups

LORENTZ INVARIANCE
BT1 invariance principles
RT lorentz transformations
RT relativity theory

lorentz plasma
Use lorentz gas

LORENTZ POLES
UF *toller poles*
RT regge poles

LORENTZ TRANSFORMATIONS
BT1 transformations
RT center-of-mass system
RT laboratory system
RT limiting fragmentation
RT lorentz invariance
RT minkowski space
RT poincare groups
RT relativity theory
RT space-time

LOS ALAMOS
INIS: Jun 1992; ETDE: Mar 1979
*BT1 new mexico
BT1 urban areas

los alamos meson physics facility
Use lampf linac

los alamos molten plutonium reactor experiment
Use lampre-1 reactor

los alamos national laboratory
Use lanl

los alamos omega west reactor
Use owr reactor

los alamos scientific laboratory
Use lanl

los alamos water boiler reactor
Use supo reactor

LOS ANGELES
INIS: Jul 1992; ETDE: Jun 1975
*BT1 california
BT1 urban areas

LOSS CONE
RT earth magnetosphere
RT loss cone instability
RT plasma
RT plasmapause
RT solar wind

LOSS CONE INSTABILITY
*BT1 plasma microinstabilities
RT loss cone

LOSS OF COOLANT
UF *loca*
*BT1 reactor accidents
RT blowdown
RT coolants
RT core flooding systems
RT core spray systems
RT loss of flow
RT reactor cooling systems

LOSS OF FLOW
*BT1 reactor accidents
RT flow blockage
RT loss of coolant

loss of fluid test reactor
Use loft reactor

LOSSES
UF+ *lost circulation*
NT1 chromosome losses
NT1 energy losses
NT2 ac losses
NT2 heat losses
NT2 power losses
NT2 relaxation losses
NT1 particle losses
RT accounting
RT inventories
RT material balance
RT material unaccounted for
RT nuclear materials management
RT safeguards

lost circulation
Use drilling fluids
AND losses

LOTUS FACILITY
INIS: Dec 1985; ETDE: Jan 1986
RT breeding blankets
RT hybrid reactors

LOUISIANA
*BT1 usa
RT mississippi river
RT us gulf coast

louvain isochronous cyclotron
Use cyclone cyclotron

love waves
Use seismic surface waves

lovelace biomedical and environmental research institute
Use inhalation toxicology research institute

LOVIISA-1 REACTOR
(Loviisa, Finland)
UF *imatran voima power reactor*
UF *imatran voima-1 reactor*
UF *loviisa reactor*
*BT1 wwer type reactors

LOVIISA-2 REACTOR
INIS: Aug 1976; ETDE: Aug 1976
(Loviisa, Finland)
UF *imatran voima-2 reactor*
*BT1 wwer type reactors

loviisa reactor
Use loviisa-1 reactor

LOVOZERITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 silicate minerals
RT sodium silicates
RT zirconium silicates

LOVOZERO
INIS: Apr 2000; ETDE: Dec 1974
*BT1 russian federation

LOW ALLOY STEELS
INIS: Nov 1983; ETDE: Nov 1988
UF+ *steel-20n14*
UF+ *steel-astm-a350 (gr 3)*
UF+ *steel-din-1-6348*
UF+ *steel-ni3mov*
UF+ *steel-ni4*
*BT1 steels
NT1 steel-astm-a350
NT1 steel-astm-a387
NT1 steel-astm-a508
NT1 steel-astm-a533
NT1 steel-cr2mo
NT2 steel-astm-a542
NT1 steel-cr2moninb
NT1 steel-cr2mov
NT1 steel-cr2nimov
NT1 steel-cr5mo
NT1 steel-cralnimo
NT1 steel-crmo
NT1 steel-crmov
NT1 steel-crni
NT1 steel-mncumo
NT2 steel-astm-a537
NT1 steel-mnmo
NT2 steel-astm-a302
NT1 steel-mnnimo
NT2 steel-astm-a533-b
NT1 steel-mnnimov
NT1 steel-ni3cr
NT1 steel-ni3crmo
NT2 steel-astm-a543
NT1 steel-ni3crmov
NT1 steel-ni4crw
NT1 steel-nicr
NT1 steel-nicrmo
NT1 steel-nimocr

low-angle silicon-sheet growth method
Use crystal growth methods

LOW-BETA PLASMA
(Beta from 0 to 0.01.)
BT1 plasma
RT beta ratio

LOW BTU GAS
INIS: Apr 2000; ETDE: Jan 1975
(150 to 250 btu per cubic foot.)
UF+ *pyrotek process*
*BT1 fuel gas
NT1 producer gas
RT gegas process
RT woodall-duckham process

LOW CARBON-HIGH ALLOY STEELS
INIS: Nov 1983; ETDE: Dec 1988
(High alloy steels with not more than 0.05% C.)
UF+ *stainless steel-44ln*
UF+ *steel-cr13ni6mo-l*
UF+ *steel-cr26ni5mo-l*
UF+ *steel-ni17cr14moti-l*
*BT1 stainless steels
NT1 steel-cr11ni10mo2ti-l
NT1 steel-cr17cu4ni4nb-l
NT2 stainless steel-17-4ph
NT1 steel-cr17ni12mo3-l
NT2 stainless steel-316l
NT2 stainless steel-zcnd17-13
NT1 steel-cr18ni10-l
NT1 steel-cr19ni10-l
NT2 stainless steel-304l
NT1 steel-cr20ni11-l
NT2 stainless steel-308l
NT1 steel-ni36cr12ti3al-l

LOW DOSE IRRADIATION
BT1 irradiation
RT chronic irradiation
RT dose rates
RT dose-response relationships
RT radiation doses

low energy electron diffraction
Use electron diffraction

LOW-ENERGY THEOREM
UF *soft pion theorem*

UF *soft-pion theorem*
RT current algebra

LOW EQUATION
BT1 equations

low flux reactor petten
Use lfr reactor

low frequency radiation
Use long wave radiation

LOW-HEAD HYDROELECTRIC POWER PLANTS
INIS: Apr 1992; ETDE: Aug 1978
(Heads less than 15 meters.)
*BT1 hydroelectric power plants
RT small-scale hydroelectric power plants

LOW INCOME GROUPS
INIS: May 1992; ETDE: Apr 1978
UF *poor people*
*BT1 minority groups
RT economics
RT handicapped people
RT high income groups
RT income
RT socio-economic factors

low intensity test reactor
Use litr reactor

LOW LEVEL COUNTERS
*BT1 radiation detectors
RT low level counting

LOW LEVEL COUNTING
INIS: Aug 1976; ETDE: Nov 1976
BT1 counting techniques
RT low level counters

LOW-LEVEL RADIOACTIVE WASTES
INIS: May 1978; ETDE: Jan 1978
(Wastes containing less than 5 x 10 exp(-5) microcuries/milliliter of radioactivity.)
*BT1 radioactive wastes
RT alpha-bearing wastes
RT compact commissions
RT high-level radioactive wastes
RT intermediate-level radioactive wastes
RT konrad ore mine
RT morsleben salt mine
RT nuclear waste policy acts

low power reactor assembly
Use lopra reactor

low power test facility-nrts
Use lptf reactor

low pressure
See pressure range kilo pa
OR pressure range pa

LOW PRESSURE COOLANT INJECTION
INIS: Sep 1977; ETDE: Jan 1975
UF *lpci*
*BT1 eccs
RT reactor safety

low temperature
Use temperature range 0065-0273 k

lowell technical institute reactor
Use ltir reactor

LOWER HYBRID CURRENT DRIVE
INIS: Jul 1989; ETDE: Aug 1989
BT1 non-inductive current drive
RT lower hybrid heating

LOWER HYBRID HEATING
INIS: Mar 1983; ETDE: Mar 1983
UF *lhr heating*
UF *lower hybrid resonance heating*
*BT1 high-frequency heating
RT lower hybrid current drive

lower hybrid resonance heating
Use lower hybrid heating

lp-gas
Use liquefied petroleum gases

lpci
Use low pressure coolant injection

LPG INDUSTRY
INIS: Mar 1993; ETDE: Dec 1982
*BT1 petroleum industry
RT liquefied petroleum gases

LPR REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *babcock and wilcox lpr reactor*
UF *lynchburg pool reactor*
*BT1 enriched uranium reactors
*BT1 materials testing reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

LPTF REACTOR
UF *low power test facility-nrts*
UF *nrts-lptf reactor*
*BT1 zero power reactors

LPTR REACTOR
(University of California, Lawrence Livermore Lab., Livermore, California, USA)
UF *livermore pool type reactor*
UF *us aec lptr reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors

LR-0 REACTOR
INIS: Jul 1998; ETDE: Jan 1982
(Until July 1998, this was a forbidden term and this concept was indexed by LVR-15 REACTOR)
UF *czechoslovak lr-0 reactor*
UF *rez lr-0 reactor*
*BT1 pool type reactors
*BT1 zero power reactors

LSZ THEORY
UF *lehmann-symanzik-zimmermann method*
*BT1 axiomatic field theory

LT-3 TOKAMAK
UF *canberra tokamak*
*BT1 tokamak devices

LT-4 TOKAMAK
INIS: Jun 1984; ETDE: Jul 1984
*BT1 tokamak devices

LTE
UF *local thermodynamic equilibrium*
BT1 equilibrium
RT thermodynamics

LTH
UF *luteotropic hormone*
UF *prolactin*
*BT1 gonadotropins
RT mammary glands
RT progesterone

LTIR REACTOR
(Univ. of Lowell, Lowell, Massachusetts, USA)
UF *lowell technical institute reactor*
*BT1 pool type reactors
*BT1 research reactors

LUBRICANTS
UF+ *synthetic lubricants*
SF *mineral oil(s)*
NT1 gas lubricants
NT1 greases
NT1 lubricating oils
NT1 solid lubricants
RT cutting fluids
RT gears
RT lubrication
RT tribology

LUBRICATING OILS
BT1 lubricants
*BT1 oils
BT1 petroleum products
RT meadow foam
RT tribology
RT waste oil refineries
RT waste oils

lubricating properties
Use lubrication

LUBRICATION
(From April 1985 till March 1997 LUBRICATING PROPERTIES was a valid ETDE descriptor.)
UF *lubricating properties*
RT bearings
RT gears
RT greases
RT hydrostatic bearings
RT lubricants
RT tribology

lucas process
Use desulfurization

luccu oil
Use olive oil

LUCENS REACTOR
*BT1 carbon dioxide cooled reactors
*BT1 enriched uranium reactors
*BT1 hwgcr type reactors
*BT1 pressure tube reactors
*BT1 thermal reactors

LUCIE-1 REACTOR
UF *hutchinson island-1 reactor*
UF *st lucie-1 reactor*
*BT1 pwr type reactors

LUCIE-2 REACTOR
UF *hutchinson island-2 reactor*
UF *st lucie-2 reactor*
*BT1 pwr type reactors

LUCIFERASE
*BT1 oxidases

LUCIFERIN
*BT1 albumins

LUCITE
*BT1 plastics

*BT1 polyacrylates
RT pmma

LUGOL
UF *lugol solution*
RT glycerol
RT iodine
RT potassium iodides

lugol solution
Use lugol

lumber industry
Use wood products industry

luminal
Use phenobarbital

LUMINESCENCE
*BT1 photon emission
NT1 bioluminescence
NT1 cathodoluminescence
NT1 chemiluminescence
NT1 electroluminescence
NT1 fluorescence
NT2 resonance fluorescence
NT1 lyoluminescence
NT1 phosphorescence
NT1 photoluminescence
NT1 radioluminescence
NT2 radiothermoluminescence
NT1 thermoluminescence
NT2 radiothermoluminescence
RT glow curve
RT noctilucent clouds
RT traps

LUMINESCENT CHAMBERS
RT phosphors
RT scintillation counters

LUMINESCENT CONCENTRATORS
INIS: Apr 2000; ETDE: Feb 1980
(Solar concentrators based on light absorption and reemission by luminescent molecules dispersed in a transparent medium and on light guiding by total internal reflections.)
UF *fluorescent concentrators*
*BT1 solar concentrators
RT phosphors

LUMINESCENT DOSEMETERS
*BT1 dosemeters
NT1 rpl dosemeters
NT1 thermoluminescent dosemeters
RT dielectric track detectors
RT glass scintillators
RT phosphors

LUMINOL
INIS: Apr 2000; ETDE: Jan 1982
(A crystalline compound giving a bluish luminescence when oxidized.)
UF *5-amino-2,3-dihydro-1,4-pthalazine-dione*
*BT1 amines
*BT1 phthalazines
RT chemiluminescence
RT ketones

LUMINOSITY
*BT1 optical properties
RT brightness
RT visibility

luminous flux density
Use illuminance

LUMINOUS PAINTS
*BT1 paints
RT dial painters

lummus clean fuel firm coal process
Use coal liquefaction

LUNA SPACE PROBES
INIS: Feb 1979; ETDE: Mar 1979
*BT1 space vehicles

LUNAR ATMOSPHERE
*BT1 satellite atmospheres
RT lunar materials
RT moon

LUNAR MATERIALS
UF *materials (lunar)*
BT1 materials
RT anorthosites
RT apollo project
RT dusts
RT lunar atmosphere
RT moon
RT rocks

lunar occultation
Use eclipse

lund synchrotron
Use lusy

lung cells
Use respiratory tract cells

LUNG CLEARANCE
*BT1 excretion
RT exhalation
RT lungs
RT respiratory system

LUNGS
UF *alveoli (pulmonary)*
UF+ *pulmonary lavage*
*BT1 organs
BT1 respiratory system
RT blood circulation
RT bronchi
RT chest
RT diaphragm
RT emphysema
RT lavage
RT lung clearance
RT lymphatic system
RT pleura
RT pneumoconioses
RT pneumonia
RT pneumonitis
RT respiration
RT respiratory tract cells

LUPUS
*BT1 immune system diseases
RT skin
RT skin diseases

LURGI CFB GASIFICATION PROCESS
INIS: Apr 2000; ETDE: Oct 1986
(Circulating fluidized bed gasification process.)
*BT1 coal gasification
RT lurgi process

LURGI PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(A process in which noncaking coal is converted into intermediate- or high-btu gas at 1150 to 1400 degrees F and 350to 450 psi in a moving bed gasifier. Substitution of air for oxygen will produce low-btu gas.)
*BT1 coal gasification
RT lurgi cfb gasification process
RT lurgi slagging process
RT sasol-ii process
RT sng processes

LURGI-RUHRGAS PROCESS
INIS: Apr 2000; ETDE: Apr 1975
(An indirect-heat process for retorting finely crushed shale. Heat-carrier solids (sand grains, coke particles, or spent shale solids) are mixed with shale in a screw-type conveyor where retorting takes place.)
RT oil shales
RT retorting

LURGI SLAGGING PROCESS
INIS: Apr 2000; ETDE: Mar 1979
*BT1 coal gasification
RT lurgi process

LUSY
UF *lund synchrotron*
*BT1 synchrotrons

luteinizing hormone
Use lh

luteotropic hormone
Use lth

LUTETIUM
*BT1 rare earths

LUTETIUM 151
INIS: Sep 1983; ETDE: Jul 1982
BT1 lutetium isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 proton decay radioisotopes
*BT1 rare earth nuclei

LUTETIUM 152
INIS: Oct 1988; ETDE: Nov 1987
BT1 lutetium isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LUTETIUM 153
INIS: May 1986; ETDE: Jul 1986
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 isomeric transition isotopes
BT1 lutetium isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LUTETIUM 154
INIS: Nov 1984; ETDE: Nov 1984
*BT1 electron capture radioisotopes
*BT1 isomeric transition isotopes
BT1 lutetium isotopes
*BT1 microseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LUTETIUM 155
INIS: Jan 1976; ETDE: Sep 1975
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lutetium isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LUTETIUM 156
INIS: Nov 1976; ETDE: Sep 1976
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lutetium isotopes

*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LUTETIUM 157

INIS: Apr 1978; ETDE: Jul 1978
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lutetium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LUTETIUM 158

INIS: Dec 1979; ETDE: Jan 1980
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lutetium isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LUTETIUM 159

INIS: Dec 1980; ETDE: Jan 1981
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lutetium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LUTETIUM 160

INIS: Dec 1979; ETDE: Jan 1980
*BT1 electron capture radioisotopes
BT1 lutetium isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LUTETIUM 161

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 isomeric transition isotopes
BT1 lutetium isotopes
*BT1 milliseconds living radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LUTETIUM 162

INIS: Jul 1976; ETDE: Apr 1976
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lutetium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LUTETIUM 163

INIS: Dec 1979; ETDE: Jan 1980
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lutetium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LUTETIUM 164

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lutetium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LUTETIUM 165

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lutetium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LUTETIUM 166

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lutetium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LUTETIUM 167

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lutetium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LUTETIUM 168

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
BT1 lutetium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LUTETIUM 169

*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
BT1 lutetium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LUTETIUM 170

*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
BT1 lutetium isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LUTETIUM 171

*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
BT1 lutetium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LUTETIUM 172

*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
BT1 lutetium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LUTETIUM 173

*BT1 electron capture radioisotopes
BT1 lutetium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 years living radioisotopes

LUTETIUM 174

*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 isomeric transition isotopes
BT1 lutetium isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 years living radioisotopes

LUTETIUM 174 TARGET

INIS: Jan 2000; ETDE: Jul 1976
BT1 targets

LUTETIUM 175

BT1 lutetium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes

LUTETIUM 175 TARGET

BT1 targets

LUTETIUM 176

*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
BT1 lutetium isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 years living radioisotopes

LUTETIUM 176 TARGET

BT1 targets

LUTETIUM 177

*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 isomeric transition isotopes
BT1 lutetium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LUTETIUM 178

*BT1 beta-minus decay radioisotopes
BT1 lutetium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LUTETIUM 179

*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
BT1 lutetium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LUTETIUM 180

*BT1 beta-minus decay radioisotopes
BT1 lutetium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LUTETIUM 181

INIS: Jun 1982; ETDE: Jul 1982
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
BT1 lutetium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei

LUTETIUM 182

INIS: Jun 1982; ETDE: Jun 1982
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
BT1 lutetium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei

LUTETIUM 183

INIS: Mar 1983; ETDE: Mar 1983
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei

BT1 lutetium isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LUTETIUM 184
INIS: Mar 1988; ETDE: Apr 1988
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
BT1 lutetium isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

LUTETIUM 187
INIS: Sep 1992; ETDE: Jun 1982
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
BT1 lutetium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

LUTETIUM ADDITIONS
(Alloys containing not more than 1% Lu are listed here.)
*BT1 lutetium alloys
*BT1 rare earth additions

LUTETIUM ALLOYS
(Alloys containing more than 1% Lu.)
*BT1 rare earth alloys
NT1 lutetium additions
NT1 lutetium base alloys

LUTETIUM BASE ALLOYS
*BT1 lutetium alloys

LUTETIUM BORIDES
*BT1 borides
*BT1 lutetium compounds

LUTETIUM BROMIDES
*BT1 bromides
*BT1 lutetium compounds

LUTETIUM CARBIDES
*BT1 carbides
*BT1 lutetium compounds

LUTETIUM CARBONATES
INIS: Apr 2000; ETDE: May 1989
*BT1 carbonates
*BT1 lutetium compounds

LUTETIUM CHLORIDES
*BT1 chlorides
*BT1 lutetium compounds

LUTETIUM COMPLEXES
*BT1 rare earth complexes

LUTETIUM COMPOUNDS
UF+ *lutetium perchlorates*
UF+ *lutetium selenides*
BT1 rare earth compounds
NT1 lutetium borides
NT1 lutetium bromides
NT1 lutetium carbides
NT1 lutetium carbonates
NT1 lutetium chlorides
NT1 lutetium fluorides
NT1 lutetium hydrides
NT1 lutetium hydroxides
NT1 lutetium iodides
NT1 lutetium nitrates
NT1 lutetium oxides
NT1 lutetium phosphates
NT1 lutetium silicates
NT1 lutetium silicides
NT1 lutetium sulfates
NT1 lutetium sulfides
NT1 lutetium tungstates

LUTETIUM FLUORIDES
*BT1 fluorides
*BT1 lutetium compounds

LUTETIUM HYDRIDES
*BT1 hydrides
*BT1 lutetium compounds

LUTETIUM HYDROXIDES
*BT1 hydroxides
*BT1 lutetium compounds

LUTETIUM IODIDES
*BT1 iodides
*BT1 lutetium compounds

LUTETIUM IONS
*BT1 ions

LUTETIUM ISOTOPES
NT1 lutetium 151
NT1 lutetium 152
NT1 lutetium 153
NT1 lutetium 154
NT1 lutetium 155
NT1 lutetium 156
NT1 lutetium 157
NT1 lutetium 158
NT1 lutetium 159
NT1 lutetium 160
NT1 lutetium 161
NT1 lutetium 162
NT1 lutetium 163
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NT1 lutetium 176
NT1 lutetium 177
NT1 lutetium 178
NT1 lutetium 179
NT1 lutetium 180
NT1 lutetium 181
NT1 lutetium 182
NT1 lutetium 183
NT1 lutetium 184
NT1 lutetium 187

LUTETIUM NITRATES
*BT1 lutetium compounds
*BT1 nitrates

LUTETIUM OXIDES
*BT1 lutetium compounds
*BT1 oxides

lutetium perchlorates
Use lutetium compounds
AND perchlorates

LUTETIUM PHOSPHATES
INIS: Oct 1975; ETDE: Dec 1975
*BT1 lutetium compounds
*BT1 phosphates

lutetium selenides
Use lutetium compounds
AND selenides

LUTETIUM SILICATES
INIS: Feb 1979; ETDE: Apr 1977
*BT1 lutetium compounds
*BT1 silicates

LUTETIUM SILICIDES
INIS: Jul 1978; ETDE: Sep 1978
*BT1 lutetium compounds
*BT1 silicides

LUTETIUM SULFATES
*BT1 lutetium compounds
*BT1 sulfates

LUTETIUM SULFIDES
*BT1 lutetium compounds
*BT1 sulfides

LUTETIUM TUNGSTATES
INIS: Apr 2000; ETDE: May 1990
*BT1 lutetium compounds
*BT1 tungstates

LUXEMBOURG
BT1 developed countries
*BT1 western europe
RT oecd

LVR-15 REACTOR
INIS: Nov 1981; ETDE: Jan 1995
(Nuclear Research Institute, Rez, Czech Republic)
UF *czech wwr-s reactor*
UF *prague wwr-s reactor*
UF *wwr-c-prague reactor*
UF *wwr-s-rez reactor*
*BT1 research reactors
*BT1 thermal reactors
*BT1 wwr type reactors
*BT1 zero power reactors

LWBR TYPE REACTORS
*BT1 breeder reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

LWGR TYPE REACTORS
UF *rbmk type reactors*
UF *water cooled graphite moderated reactors*
*BT1 graphite moderated reactors
*BT1 water cooled reactors
NT1 aps reactor
NT1 beloyarsk-1 reactor
NT1 beloyarsk-2 reactor
NT1 bilibin reactor
NT1 chernobylsk-1 reactor
NT1 chernobylsk-2 reactor
NT1 chernobylsk-3 reactor
NT1 chernobylsk-4 reactor
NT1 ignalina-1 reactor
NT1 ignalina-2 reactor
NT1 kursk-1 reactor
NT1 kursk-2 reactor
NT1 kursk-3 reactor
NT1 kursk-4 reactor
NT1 leningrad-1 reactor
NT1 leningrad-2 reactor
NT1 leningrad-3 reactor
NT1 leningrad-4 reactor
NT1 n-reactor
NT1 rpt reactor
NT1 smolensk-1 reactor
NT1 smolensk-2 reactor
NT1 smolensk-3 reactor
NT1 uwtr reactor
RT enriched uranium reactors
RT power reactors
RT thermal reactors

LWOR TYPE REACTORS
UF *water moderated organic cooled reactors*
*BT1 organic cooled reactors
*BT1 water moderated reactors
RT power reactors

lwr type reactors
Use water cooled reactors

LYAPUNOV METHOD
UF *liapunov method*
BT1 calculation methods
RT differential equations
RT limit cycle
RT stability

LYASES
(Code number 4)
*BT1 enzymes
NT1 carbon-carbon lyases
NT2 aldehyde-lyases
NT2 aldolases
NT2 carboxy-lyases
NT3 carboxylase
NT3 decarboxylases
NT3 ribulose diphosphate carboxylase
NT1 carbon-oxygen lyases
NT2 hyaluronidase
NT2 hydro-lyases
NT3 carbonic anhydrase
NT1 cyclases
NT1 dna methylases
RT aldehydes
RT carboxylation
RT decarboxylation

lyman alpha emission
Use lyman lines

lyman alpha radiation
Use lyman lines

lyman continuum
Use lyman lines

LYMAN LINES
(Includes all aspects of the transitions associated with Lyman lines.)
UF *lyman alpha emission*
UF *lyman alpha radiation*
UF *lyman continuum*
UF *lyman series*
RT hydrogen
RT spectra

lyman series
Use lyman lines

LYMANTRIA DISPAR
UF *gypsy moth*
*BT1 moths

LYMPH
*BT1 body fluids
RT lymphatic system

LYMPH NODES
BT1 lymphatic system
RT immune system diseases
RT lymph vessels
RT reticuloendothelial system

LYMPH VESSELS
UF *thoracic duct*
BT1 lymphatic system
RT angiomas
RT lymph nodes
RT veins

LYMPHATIC SYSTEM
UF+ *appendix (vermiform)*
UF+ *bursa of fabricius*
UF+ *tonsils*
NT1 lymph nodes
NT1 lymph vessels
NT1 thymus
RT cardiovascular system
RT leukemia
RT lungs
RT lymph
RT lymphocytes
RT lymphomas
RT organs
RT radiation syndrome
RT reticuloendothelial system
RT spleen
RT splenectomy

lymphoblastomas
Use lymphomas

LYMPHOCYTES
UF *lymphoid cells*
*BT1 connective tissue cells
*BT1 leukocytes
RT concanavalin a
RT histocompatibility complex
RT hybridomas
RT immune system diseases
RT immunity
RT lymphatic system
RT lymphokines
RT lymphomas
RT lymphopenia
RT natural killer cells
RT phytohemagglutinin
RT plasma cells
RT radiation syndrome
RT thymus

lymphogranuloma malignum
Use hodgkins disease

lymphogranulomas
Use lymphomas

lymphogranulomatosis
Use hodgkins disease

lymphoid cells
Use lymphocytes

LYMPHOKINES
INIS: Dec 1980; ETDE: Jan 1981
(Biologically active molecules released from lymphocytes stimulated by antigens of mitogens.)
UF *cytokines*
UF *interleukins*
*BT1 growth factors
NT1 interferon
RT complement
RT immunity
RT lymphocytes

LYMPHOMAS
UF *lymphoblastomas*
UF *lymphogranulomas*
*BT1 immune system diseases
*BT1 neoplasms
NT1 hodgkins disease
NT1 lymphosarcomas
RT lymphatic system
RT lymphocytes

LYMPHOPENIA
*BT1 leukopenia
RT lymphocytes

lymphopoiesis
Use leukopoiesis

LYMPHOSARCOMAS
*BT1 lymphomas
*BT1 sarcomas

lynchburg pool reactor
Use lpr reactor

LYNDOCHITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 thorium minerals
RT niobium oxides
RT thorium oxides

LYNITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 aluminium base alloys
*BT1 copper alloys
*BT1 iron alloys
*BT1 zinc alloys

LYOLUMINESCENCE
INIS: Sep 1977; ETDE: Oct 1977
*BT1 chemical radiation effects
*BT1 luminescence
RT dosimetry

LYOPHILIZATION
SF *freeze drying*
RT drying
RT freezing

LYSERGIC ACID
*BT1 alkaloids
*BT1 heterocyclic acids
*BT1 indoles

lysholm engine
Use helical rotary screw expander

LYSIMETERS
INIS: Jul 1986; ETDE: Nov 1985
(Devices for measuring the percolation of water through soils and for determining the soluble constituents removed in the drainage.)
BT1 measuring instruments

LYSINE
UF *diaminocaproic acid*
*BT1 amino acids

LYSIS
INIS: May 1976; ETDE: Nov 1975
NT1 electrolysis
NT2 anodization
NT2 electrodeposition
NT3 electroplating
NT2 electropolishing
NT2 electrorefining
NT2 photoelectrolysis
NT1 hemolysis
NT1 hydrolysis
NT2 acid hydrolysis
NT2 alkaline hydrolysis
NT2 autohydrolysis
NT2 enzymatic hydrolysis
NT2 saccharification
NT2 saponification

LYSOSOMES
RT golgi complexes
RT subcellular distribution

LYSOZYME
(Code number 3.2.1.17.)
*BT1 o-glycosyl hydrolases
RT mucoproteins
RT polysaccharides

M

M CAPTURE
INIS: Sep 1979; ETDE: Aug 1979
*BT1 electron capture decay

M CENTERS
*BT1 color centers

M CODES
BT1 computer codes

M CONVERSION
UF *m-conversion coefficient*
*BT1 internal conversion

m-conversion coefficient
Use m conversion

m-gas process
See synthetic fuels

M SHELL
INIS: Jul 1976; ETDE: Aug 1976
(Atomic electron shells)
UF *atomic shells (m)*
BT1 electronic structure

M1-TRANSITIONS
INIS: Feb 1978; ETDE: Apr 1978
(Magnetic dipole transitions.)
UF *magnetic dipole transitions*
*BT1 multipole transitions

M2-TRANSITIONS
INIS: Feb 1978; ETDE: May 1978
(Magnetic quadrupole transitions.)
UF *magnetic quadrupole transitions*
*BT1 multipole transitions

M3-TRANSITIONS
INIS: Feb 1978; ETDE: Apr 1978
(Magnetic octupole transitions.)
UF *magnetic octupole transitions*
*BT1 multipole transitions

M4-TRANSITIONS
INIS: Feb 1978; ETDE: May 1978
(Magnetic hexadecapole transitions.)
UF *magnetic hexadecapole transitions*
*BT1 multipole transitions

ma 754
Use nickel base alloys

ma 956
Use iron base alloys

MAANSHAN-1 REACTOR
INIS: Oct 1991; ETDE: Oct 1991
(Taiwan, China)
*BT1 pwr type reactors

mac
Use maximum acceptable contamination

macaca
Use macacus

MACACUS
UF *macaca*
UF *rhesus monkeys*
*BT1 monkeys

MACAO
BT1 asia

macedonia (the former yugoslav republic of)
Use the former yugoslav republic of macedonia

MACERALS
INIS: Mar 1993; ETDE: Jun 1977
(Petrologic units seen in microscopic sections of coal.)
NT1 exinite
NT1 inertinite
NT1 resinite
NT1 vitrinite
RT coal
RT lithotypes
RT petrology

MACH NUMBER
BT1 velocity
RT aerodynamics
RT flow rate
RT shock waves

MACH PRINCIPLE
BT1 hypothesis
RT cosmology
RT general relativity theory
RT space-time

MACH-ZEHNDER INTERFEROMETER
*BT1 interferometers

MACHINE PARTS
UF *couplings (machine parts)*
NT1 brakes
NT2 water brakes
NT1 gears
NT1 mechanical shafts
NT1 mechanical transmissions
NT1 pistons
NT1 springs
RT castings
RT rotors
RT stators

MACHINE TOOLS
*BT1 tools
NT1 grinding machines
NT1 lathes
NT1 milling machines
RT computer-aided manufacturing
RT drill bits
RT machining
RT presses

MACHINE TRANSLATIONS
INIS: Aug 1992; ETDE: Dec 1976
(Not for translation of computer programs, for which use TRANSLATORS.)
RT computers
RT dictionaries
RT expert systems
RT standardized terminology

MACHINERY
INIS: Jan 1992; ETDE: Dec 1979
BT1 equipment
NT1 pulverizers
NT1 refrigerating machinery
NT1 turbomachinery
NT2 turbines
NT3 gas turbines
NT4 coal-fired gas turbines
NT3 hydraulic turbines
NT4 pump turbines
NT3 radial inflow turbines
NT3 radial-outflow reaction turbines
NT3 rotary separator turbines
NT3 steam turbines
NT3 wind turbines
NT4 diffuser augmented turbines
NT4 horizontal axis turbines
NT4 vertical axis turbines
NT5 giromill turbines
NT5 tornado turbines
NT4 vortex augmented turbines
NT2 turbochargers
NT2 turbodrills
NT2 turbofan engines
NT2 turbogenerators
NT2 turbojet engines
NT1 winding machines
RT manufacturing

MACHINING
NT1 chemical machining
NT2 electrochemical machining
NT1 cutting
NT1 electron beam machining
NT1 grinding
NT1 honing
NT1 laser beam machining
NT1 materials drilling
NT2 laser drilling
NT2 rock drilling
NT1 milling
NT1 spark machining
NT1 ultrasonic machining
RT cutting fluids
RT lathes
RT machine tools
RT materials working
RT surface finishing
RT tools

MACKINTOSHITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 silicate minerals
*BT1 thorium minerals
*BT1 uranium minerals
RT thorium silicates
RT uranium silicates

MACROPHAGES
*BT1 connective tissue cells
*BT1 phagocytes
RT phagocytosis
RT reticuloendothelial system
RT spleen

MADAGASCAR
BT1 africa
BT1 developing countries
BT1 islands
NT1 malagasy republic
RT indian ocean

MADARAS ROTORS
INIS: Apr 2000; ETDE: Oct 1978
BT1 rotors
RT vertical axis turbines

MAGELLANIC CLOUDS
BT1 galaxies

MAGIC NUCLEI
UF *magic numbers*
BT1 nuclei
RT nuclear structure
RT stable isotopes

magic numbers
Use magic nuclei

MAGMA
INIS: Jan 1992; ETDE: Feb 1975
(Naturally occurring mobile rock materials, generated within the earth and capable of intrusion and extrusion, from which igneous

rocks are thought to have been derived by solidification and related processes.)
RT igneous rocks
RT lava
RT magmatism
RT volcanism
RT volcanoes

MAGMA SYSTEMS
INIS: Mar 1992; ETDE: Apr 1975
(A geothermal system in which the dominant heat source is a reservoir of magma.)
BT1 geothermal systems

magmamax process
Use binary-fluid systems

MAGMATIC WATER
INIS: Apr 2000; ETDE: Apr 1975
(Water that exists in, or which is derived from, molten igneous rocks or magma.)
*BT1 ground water

MAGMATISM
INIS: Jan 1993; ETDE: Jul 1978
(The development, movement, and solidification of magma to igneous rocks.)
RT igneous rocks
RT magma
RT volcanism

MAGNALIUM
INIS: Apr 2000; ETDE: Dec 1974
*BT1 aluminium base alloys
*BT1 copper alloys
*BT1 magnesium alloys

MAGNESIUM
*BT1 alkaline earth metals

MAGNESIUM 20
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 magnesium isotopes
*BT1 milliseconds living radioisotopes

MAGNESIUM 21
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 magnesium isotopes
*BT1 milliseconds living radioisotopes

MAGNESIUM 22
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 magnesium isotopes
*BT1 seconds living radioisotopes

MAGNESIUM 23
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 magnesium isotopes
*BT1 seconds living radioisotopes

MAGNESIUM 23 TARGET
INIS: Apr 1976; ETDE: Jul 1976
BT1 targets

MAGNESIUM 24
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 magnesium isotopes
*BT1 stable isotopes
RT magnesium 24 beams
RT magnesium 24 reactions

MAGNESIUM 24 BEAMS
INIS: Jan 1976; ETDE: Mar 1976
*BT1 ion beams
RT magnesium 24

MAGNESIUM 24 REACTIONS
*BT1 heavy ion reactions
RT magnesium 24

MAGNESIUM 24 TARGET
BT1 targets

MAGNESIUM 25
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 magnesium isotopes
*BT1 stable isotopes
RT magnesium 25 beams

MAGNESIUM 25 BEAMS
INIS: Jan 1995; ETDE: Jan 1995
*BT1 ion beams
RT magnesium 25

MAGNESIUM 25 REACTIONS
INIS: Apr 1982; ETDE: Aug 1981
*BT1 heavy ion reactions

MAGNESIUM 25 TARGET
BT1 targets

MAGNESIUM 26
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 magnesium isotopes
*BT1 stable isotopes

MAGNESIUM 26 REACTIONS
INIS: Jun 1982; ETDE: Jul 1982
*BT1 heavy ion reactions

MAGNESIUM 26 TARGET
BT1 targets

MAGNESIUM 27
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 magnesium isotopes
*BT1 minutes living radioisotopes

MAGNESIUM 27 TARGET
INIS: Apr 1979; ETDE: May 1979
BT1 targets

MAGNESIUM 28
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 light nuclei
*BT1 magnesium isotopes
RT radioisotope generators

MAGNESIUM 28 DECAY RADIOISOTOPES
INIS: Jan 1990; ETDE: Feb 1990
*BT1 heavy ion decay radioisotopes
NT1 plutonium 236
NT1 uranium 234
RT magnesium 28 emission decay

MAGNESIUM 28 EMISSION DECAY
INIS: Jan 1990; ETDE: Feb 1990
*BT1 heavy ion emission decay
RT magnesium 28 decay radioisotopes

MAGNESIUM 29
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 magnesium isotopes
*BT1 seconds living radioisotopes

MAGNESIUM 30
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 magnesium isotopes
*BT1 milliseconds living radioisotopes

MAGNESIUM 30 EMISSION DECAY
INIS: Oct 1989; ETDE: Nov 1989
*BT1 heavy ion emission decay

MAGNESIUM 31
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 magnesium isotopes
*BT1 milliseconds living radioisotopes

MAGNESIUM 32
INIS: Oct 1977; ETDE: Aug 1977
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 magnesium isotopes

MAGNESIUM 33
INIS: Jul 1980; ETDE: Feb 1980
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 magnesium isotopes

MAGNESIUM 34
INIS: Jul 1980; ETDE: Feb 1980
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 magnesium isotopes

MAGNESIUM 35
INIS: Sep 1989; ETDE: Oct 1989
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 magnesium isotopes

MAGNESIUM 36
INIS: Sep 1989; ETDE: Oct 1989
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 magnesium isotopes

MAGNESIUM ADDITIONS
(Alloys containing not more than 1% Mg are listed here.)
*BT1 magnesium alloys
NT1 alloy-al95cu4
NT2 duralumin
NT1 bondur
NT1 zamak

MAGNESIUM ALLOY-AZ31B
INIS: Apr 2000; ETDE: Dec 1974
*BT1 aluminium alloys
*BT1 magnesium base alloys
*BT1 manganese additions
*BT1 zinc alloys

MAGNESIUM ALLOY-EK
INIS: Apr 2000; ETDE: Dec 1974
*BT1 magnesium base alloys
*BT1 rare earth alloys
*BT1 zirconium additions

MAGNESIUM ALLOY-EZ
INIS: Apr 2000; ETDE: Dec 1974
*BT1 magnesium base alloys
*BT1 rare earth alloys

*BT1 zinc alloys
*BT1 zirconium additions

MAGNESIUM ALLOY-HK31A
INIS: Apr 2000; ETDE: Dec 1974
*BT1 magnesium base alloys
*BT1 thorium alloys
*BT1 zirconium additions

MAGNESIUM ALLOY-ZR
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium alloys
*BT1 magnesium base alloys
*BT1 zinc alloys

MAGNESIUM ALLOYS
(Alloys containing more than 1% Mg.)
BT1 alloys
NT1 duranalium
NT1 magnalium
NT1 magnesium additions
NT2 alloy-al95cu4
NT3 duralumin
NT2 bondur
NT2 zamak
NT1 magnesium base alloys
NT2 magnesium alloy-az31b
NT2 magnesium alloy-ek
NT2 magnesium alloy-ez
NT2 magnesium alloy-hk31a
NT2 magnesium alloy-zr
NT2 magnox

MAGNESIUM ARSENIDES
INIS: Apr 2000; ETDE: Nov 1976
*BT1 arsenides
*BT1 magnesium compounds

MAGNESIUM BASE ALLOYS
*BT1 magnesium alloys
NT1 magnesium alloy-az31b
NT1 magnesium alloy-ek
NT1 magnesium alloy-ez
NT1 magnesium alloy-hk31a
NT1 magnesium alloy-zr
NT1 magnox

MAGNESIUM BORIDES
*BT1 borides
*BT1 magnesium compounds

MAGNESIUM BROMIDES
*BT1 bromides
*BT1 magnesium compounds

MAGNESIUM CARBIDES
*BT1 carbides
*BT1 magnesium compounds

MAGNESIUM CARBONATES
*BT1 carbonates
*BT1 magnesium compounds
RT ankerite
RT carbonate minerals
RT dolomite
RT limestone

MAGNESIUM CHLORIDES
*BT1 chlorides
*BT1 magnesium compounds
RT carnallite
RT halide minerals

MAGNESIUM COMPLEXES
*BT1 alkaline earth metal complexes

MAGNESIUM COMPOUNDS
BT1 alkaline earth metal compounds
NT1 grignard reagents
NT1 magnesium arsenides
NT1 magnesium borides
NT1 magnesium bromides
NT1 magnesium carbides
NT1 magnesium carbonates
NT1 magnesium chlorides
NT1 magnesium fluorides
NT1 magnesium hydrides
NT1 magnesium hydroxides
NT1 magnesium iodides
NT1 magnesium nitrates
NT1 magnesium nitrides
NT1 magnesium oxides
NT1 magnesium perchlorates
NT1 magnesium phosphates
NT1 magnesium silicates
NT1 magnesium silicides
NT1 magnesium sulfates
NT1 magnesium sulfides
NT1 magnesium tellurides

MAGNESIUM FLUORIDES
*BT1 fluorides
*BT1 magnesium compounds

MAGNESIUM HYDRIDES
*BT1 hydrides
*BT1 magnesium compounds

MAGNESIUM HYDROXIDES
*BT1 hydroxides
*BT1 magnesium compounds

MAGNESIUM IODIDES
*BT1 iodides
*BT1 magnesium compounds

MAGNESIUM IONS
*BT1 ions

MAGNESIUM ISOTOPES
*BT1 alkaline earth isotopes
NT1 magnesium 20
NT1 magnesium 21
NT1 magnesium 22
NT1 magnesium 23
NT1 magnesium 24
NT1 magnesium 25
NT1 magnesium 26
NT1 magnesium 27
NT1 magnesium 28
NT1 magnesium 29
NT1 magnesium 30
NT1 magnesium 31
NT1 magnesium 32
NT1 magnesium 33
NT1 magnesium 34
NT1 magnesium 35
NT1 magnesium 36

MAGNESIUM NITRATES
*BT1 magnesium compounds
*BT1 nitrates

MAGNESIUM NITRIDES
*BT1 magnesium compounds
*BT1 nitrides

MAGNESIUM OXIDES
*BT1 magnesium compounds
*BT1 oxides
RT novacekite
RT oxide minerals
RT spinels

MAGNESIUM PERCHLORATES
*BT1 magnesium compounds
*BT1 perchlorates

MAGNESIUM PHOSPHATES
*BT1 magnesium compounds
*BT1 phosphates
RT phosphate minerals
RT saleeite

MAGNESIUM SILICATES
*BT1 magnesium compounds
*BT1 silicates
RT enstatite
RT lava
RT olivine
RT sepiolite
RT serpentine
RT silicate minerals
RT sklodowskite
RT talc
RT vermiculite

MAGNESIUM SILICIDES
INIS: Oct 1976; ETDE: Oct 1975
*BT1 magnesium compounds
*BT1 silicides

MAGNESIUM SLURRY SCRUBBING PROCESS
INIS: Apr 2000; ETDE: Apr 1977
(Process uses magnesium oxide to absorb sulfur dioxide in a wet scrubber. Aqueous slurry of magnesium sulfite formed in the scrubber is dried and calcined to regenerate magnesium oxide and produce an sulfur dioxide-rich gas stream for recovery of sulfuric acid or elemental sulfur.)
*BT1 desulfurization
RT scrubbing
RT waste processing

MAGNESIUM SULFATES
*BT1 magnesium compounds
*BT1 sulfates
RT lava
RT polyhalite
RT sulfate minerals

MAGNESIUM SULFIDES
*BT1 magnesium compounds
*BT1 sulfides

MAGNESIUM TELLURIDES
INIS: Sep 1991; ETDE: Sep 1975
*BT1 magnesium compounds
*BT1 tellurides

MAGNET COILS
UF *coils (magnetic)*
UF *magnetic coils*
*BT1 electric coils
NT1 pulsed magnet coils
RT magnets
RT septum magnets
RT solenoids
RT superconducting coils
RT superconducting magnets
RT winding machines

MAGNET CORES
UF *cores (magnet)*
RT magnet pole pieces
RT magnets

MAGNET POLE PIECES
RT magnet cores
RT magnets

MAGNET STEEL-KS
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium steels
*BT1 cobalt alloys
*BT1 tungsten alloys

MAGNETIC AMPLIFIERS
*BT1 amplifiers

MAGNETIC ANALYZERS
BT1 beam analyzers
RT beam bending magnets
RT electromagnetic lenses
RT electrostatic septa
RT septum magnets

MAGNETIC BALANCES
UF *balances (magnetic)*
BT1 measuring instruments
RT magnetic susceptibility

MAGNETIC BAYS
UF *auroral substorms*
UF *bays (magnetic)*
UF *polar substorms*
RT disturbances
RT magnetic storms

MAGNETIC BEARINGS
BT1 bearings

magnetic bremsstrahlung
Use synchrotron radiation

MAGNETIC CIRCUITS
UF *circuits (magnetic)*
RT electric coils

MAGNETIC CIRCULAR DICHROISM
INIS: Jun 1994; ETDE: Jul 1981
BT1 dichroism
RT structural chemical analysis

magnetic coils
Use magnet coils

MAGNETIC COMPRESSION
UF+ *pulsar concept*
BT1 compression
RT linus reactors
RT magnetic fields
RT pinch effect

MAGNETIC CONFINEMENT
INIS: Nov 1982; ETDE: Nov 1989
*BT1 plasma confinement
NT1 h-mode plasma confinement
NT1 l-mode plasma confinement
RT electron rings
RT ion rings
RT magnetic field configurations
RT rotational transform

magnetic cooling
Use adiabatic demagnetization

MAGNETIC CORES
(For the storage of information in machine-readable form only.)
UF *cores (magnetic)*
*BT1 magnetic storage devices
RT computers

MAGNETIC DIPOLE MOMENTS
BT1 dipole moments
BT1 magnetic moments
RT nuclear magnetic moments

magnetic dipole transitions
Use m1-transitions

MAGNETIC DIPOLES
*BT1 dipoles
RT magnetic fields

MAGNETIC DISKS
UF *disks (magnetic)*
*BT1 magnetic storage devices

MAGNETIC DRUMS
*BT1 magnetic storage devices

MAGNETIC ENERGY STORAGE
INIS: Jan 1977; ETDE: Jan 1977
*BT1 energy storage
NT1 superconducting magnetic energy storage
RT magnetic energy storage equipment
RT superconducting magnets

MAGNETIC ENERGY STORAGE EQUIPMENT
INIS: Feb 1995; ETDE: Sep 1977
*BT1 energy storage systems
BT1 equipment
RT magnetic energy storage
RT magnets
RT peaking power plants
RT superconducting coils
RT superconducting magnets

MAGNETIC FIELD CONFIGURATIONS
(For pinch configurations, use the narrower terms of PINCHEFFECT.)
NT1 closed configurations
NT2 minimum average-b configurations
NT2 multipolar configurations
NT3 hexapolar configurations
NT3 octupolar configurations
NT3 quadrupolar configurations
NT2 toroidal configuration
NT1 magnetic field reversal
NT1 magnetic field ripples
NT1 magnetic islands
NT1 magnetic surfaces
NT2 mode rational surfaces
NT1 open configurations
NT2 baseball seam configurations
NT2 cusped geometries
NT2 magnetic mirror configurations
NT3 tlm configurations
NT2 minimum-b configurations
RT confinement
RT divertors
RT helical configuration
RT magnetic confinement
RT magnetic fields
RT magnetic reconnection
RT pinch effect
RT plasma
RT reversed-field pinch devices
RT rotational transform
RT thermonuclear devices

MAGNETIC FIELD REVERSAL
INIS: Aug 1981; ETDE: Feb 1978
BT1 magnetic field configurations
RT magnetic fields
RT magnetic reconnection
RT reverse-field pinch
RT reversed-field mirrors

MAGNETIC FIELD RIPPLES
INIS: Jul 1981; ETDE: Apr 1978
BT1 magnetic field configurations
RT magnetic fields
RT plasma

MAGNETIC FIELDS
UF *external magnetic fields*
UF *fields (magnetic)*
UF+ *magnetic force microscopy*
UF+ *magnetoelectricity*
UF+ *photoelectromagnetic effect*
UF+ *photomagnetoelectric effect*
NT1 critical field
NT1 force-free magnetic fields
NT1 geomagnetic field
NT1 interplanetary magnetic fields
NT1 interstellar magnetic fields
RT beta ratio
RT biot-savart law
RT crossed fields
RT demagnetization
RT electromagnetic fields
RT end effects
RT faraday method
RT galvanomagnetic effect
RT guiding-center approximation
RT inhomogeneous fields
RT langevin equation
RT larmor radius
RT levitation
RT lorentz force
RT magnetic compression
RT magnetic dipoles
RT magnetic field configurations
RT magnetic field reversal
RT magnetic field ripples
RT magnetic flux
RT magnetic islands
RT magnetic mirror configurations
RT magnetic mirrors
RT magnetic properties
RT magnetic reconnection
RT magnetic rigidity
RT magnetism
RT magnetization
RT magneto-thermal effects
RT mirror ratio
RT righi-leduc effect
RT rotational transform
RT shear
RT shubnikov-de haas effect
RT stoermer theory
RT tlm configurations
RT trapping
RT zeeman effect

MAGNETIC FILTERS
INIS: Mar 1983; ETDE: Oct 1979
(Devices for the collection or removal of magnetic particles from a liquid or gaseous stream by magnetic fields.)
BT1 filters
RT filtration
RT magnetic separators
RT separation processes

MAGNETIC FLUX
UF *flux (magnetic)*
UF *flux jumps*
UF *flux pinning*
UF *fluxoids*
UF *magnetic vortices*
UF *pinning force*
UF *vortices (magnetic)*
UF+ *foucault current*
RT aharonov-bohm effect
RT flux density
RT flux quantization
RT magnetic fields
RT skin effect
RT superconductivity

MAGNETIC FLUX COORDINATES
INIS: Nov 1988; ETDE: Dec 1988
(A coordinate system for a toroidally confined plasma in which the radial coordinate is defined by the magnetic flux contained within a given magnetic flux surface.)
*BT1 curvilinear coordinates
RT magnetic surfaces
RT plasma radial profiles
RT rotational transform

magnetic force microscopy
Use atomic force microscopy
AND magnetic fields

MAGNETIC FORCE WELDING
*BT1 welding
RT magnetic forming

MAGNETIC FORMING
*BT1 materials working
RT magnetic force welding

MAGNETIC GRADIENT ACCELERATORS
INIS: Oct 1982; ETDE: Jan 1980
(Type of macroparticle accelerator which uses a high-gradient magnetic field to accelerate a projectile. The magnetic field motion of the accelerator is synchronized with the projectile.)
*BT1 impact fusion drivers
RT impact fusion

magnetic hexadecapole transitions
Use m4-transitions

magnetic induction logging
Use induction logging

MAGNETIC INSULATION
(Insulation of electric fields by means of magnetic fields; not for insulation of the magnetic fields themselves.)
UF *insulation (electrical, by magnetic fields)*
UF *insulation (magnetic)*
RT confinement
RT thermionic diodes

MAGNETIC ISLANDS
INIS: Jul 1981; ETDE: Apr 1978
BT1 magnetic field configurations
RT magnetic fields
RT plasma

MAGNETIC LENS SPECTROMETERS
UF *intermediate image spectrometer*
UF *long-lens spectrometers*
UF *short-lens spectrometers*
UF *slatis-siegbahn spectrometers*
*BT1 magnetic spectrometers

magnetic levitated trains
Use levitated trains

magnetic liquids
Use liquids
AND magnetic materials

MAGNETIC MATERIALS
UF *materials (magnetic)*
UF+ *ferrofluids*
UF+ *liquid magnets*
UF+ *magnetic liquids*
BT1 materials
NT1 antiferromagnetic materials
NT1 ferrimagnetic materials
NT2 ferrites
NT1 ferromagnetic materials
RT magnetism

MAGNETIC MIRROR CONFIGURATIONS
*BT1 open configurations
NT1 tlm configurations
RT magnetic fields
RT magnetic mirrors
RT mirror ratio
RT plasma potential

MAGNETIC MIRROR TYPE REACTORS
INIS: Jan 1977; ETDE: Sep 1976
UF *frm reactors (thermonuclear)*
UF+ *field-reversed mirror reactors*
BT1 thermonuclear reactors
NT1 mars reactor
NT1 minimars reactor
NT1 tmr reactors
RT magnetic mirrors
RT tmx devices

MAGNETIC MIRRORS
(Including systems with minimum-B configuration.)
UF *dcx devices*
UF *elmax devices*
UF *ixion*
UF *mfx device*
UF *mirrors (magnetic)*
UF *mtse devices*
UF *pr devices*
UF *pr-6 device*
UF *pr-7 device*
UF *vgl devices*
UF+ *bsg devices*
*BT1 open plasma devices
NT1 2x devices
NT1 alice
NT1 beta ii devices
NT1 bumpy tori
NT2 elmo bumpy torus
NT1 burnout devices
NT1 circe devices
NT1 deca devices
NT1 elmo devices
NT2 elmo bumpy torus
NT1 gol-3 device
NT1 imp device
NT1 mftf devices
NT1 ogra
NT1 phoenix devices
NT1 pleiade device
NT1 reversed-field mirrors
NT1 tandem mirrors
NT2 gamma 10 devices
NT2 phaedrus mirror devices
NT2 tara devices
NT2 tmx devices
RT magnetic fields
RT magnetic mirror configurations
RT magnetic mirror type reactors
RT mirror ratio
RT plasma potential
RT q devices
RT tlm configurations
RT tmr reactors

MAGNETIC MOMENTS
NT1 magnetic dipole moments
NT1 nuclear magnetic moments
RT fermi-segre formula
RT gyromagnetic ratio
RT magnetism
RT magnetization
RT quadrupole moments

MAGNETIC MONOPOLES
UF *dirac monopoles*
BT1 monopoles
*BT1 postulated particles

magnetic octupole transitions
Use m3-transitions

magnetic permeability
Use magnetic susceptibility

MAGNETIC PROBES
BT1 probes
RT magnetometers

MAGNETIC PROPERTIES
BT1 physical properties
NT1 magnetic susceptibility
NT1 magnetostriction
RT abrikosov theory
RT coercive force
RT domain structure
RT electrical properties
RT electromagnets
RT magnetic fields
RT magnetism
RT magnetization
RT magneto-optical effects
RT muon spin relaxation
RT permanent magnets

MAGNETIC-PUMPING HEATING
(Plasma heating by a series of periodic compressions and expansions in a limited region of the confinement volume by means of an RF modulation of the confining field.)
*BT1 high-frequency heating
NT1 acoustic heating
NT1 collisional heating
NT1 transit-time magnetic pumping

magnetic quadrupole transitions
Use m2-transitions

MAGNETIC RECONNECTION
INIS: Mar 1987; ETDE: Jul 1986
(A topological rearrangement of the magnetic field lines surrounding a plasma.)
RT magnetic field configurations
RT magnetic field reversal
RT magnetic fields
RT reverse-field pinch
RT sawtooth oscillations
RT solar flares
RT solar radio bursts
RT solar x-ray bursts

MAGNETIC REFRIGERATORS
INIS: Aug 1978; ETDE: Jun 1978
BT1 refrigerators
RT cryogenics
RT cryostats
RT refrigeration

MAGNETIC RESONANCE
UF+ *abmr method*
BT1 resonance
NT1 eldor
NT1 electron spin resonance
NT2 acoustic esr
NT1 endor
NT1 ferrimagnetic resonance
NT1 ferromagnetic resonance
NT1 nuclear magnetic resonance
NT2 acoustic nmr
NT2 td-nmr
RT bloch equations
RT muon spin relaxation

MAGNETIC REYNOLDS NUMBER
BT1 reynolds number
RT magnetohydrodynamics

MAGNETIC RIGIDITY
RT magnetic fields
RT stratosphere

MAGNETIC SEMICONDUCTORS
INIS: Jan 1976; ETDE: Mar 1976
*BT1 semiconductor materials
RT ferromagnetic materials

MAGNETIC SEPARATORS
INIS: Apr 1984; ETDE: Dec 1977
(Until June 1994 this concept was indexed to MAGNETIC FILTERS.)
BT1 concentrators
RT magnetic filters
RT separation processes

MAGNETIC SHIELDING
INIS: Nov 1982; ETDE: Jun 1975
(Until October, 1998, this concept was indexed by SHIELDING and MAGNETIC FIELDS.)
UF *screening (magnetic fields)*
BT1 shielding
RT superconductors

MAGNETIC SPECIFIC HEAT
INIS: Apr 2000; ETDE: Jul 1979
(Magnetic contribution to specific heat.)
*BT1 specific heat
RT electronic specific heat

MAGNETIC SPECTROMETERS
*BT1 spectrometers
NT1 flat magnetic spectrometers
NT1 magnetic lens spectrometers

MAGNETIC STARS
UF *peculiar a-stars*
BT1 stars
RT pulsars
RT stellar magnetospheres
RT variable stars

MAGNETIC STORAGE DEVICES
BT1 memory devices
NT1 magnetic cores
NT1 magnetic disks
NT1 magnetic drums
NT1 magnetic tapes
NT2 video tapes

MAGNETIC STORMS
UF *geomagnetic storms*
RT disturbances
RT earth magnetosphere
RT forbush decrease
RT ionospheric storms
RT magnetic bays
RT sudden commencements

MAGNETIC SURFACES
UF *flux surfaces*
BT1 magnetic field configurations
NT1 mode rational surfaces
RT divertors
RT equilibrium plasma
RT magnetic flux coordinates
RT plasma confinement
RT plasma radial profiles
RT rotational transform
RT stellarators
RT tokamak devices

MAGNETIC SURVEYS
INIS: Jan 1979; ETDE: Jan 1975
*BT1 geophysical surveys
RT aerial monitoring
RT aerial prospecting
RT aerial surveying
RT exploration
RT geothermal exploration
RT induction logging
RT seismic surveys

MAGNETIC SUSCEPTIBILITY
UF *magnetic permeability*
UF *permeability (magnetic)*
UF *susceptibility (magnetic)*
UF+ *photomagnetic effect*
*BT1 magnetic properties
RT curie point
RT curie-weiss law
RT magnetic balances
RT neel temperature

MAGNETIC TAPES
*BT1 magnetic storage devices
NT1 video tapes

MAGNETIC TESTING
*BT1 nondestructive testing

magnetic traps (closed)
Use closed configurations

magnetic traps (open)
Use open configurations

magnetic vortices
Use magnetic flux

magnetic well
Use minimum-b configurations

MAGNETISM
NT1 antiferromagnetism
NT2 mictomagnetism
NT1 diamagnetism
NT2 plasma diamagnetism
NT1 electromagnetism
NT1 ferrimagnetism
NT1 ferromagnetism
NT2 mictomagnetism
NT1 nuclear magnetism
NT1 paleomagnetism
NT1 paramagnetism
NT1 superparamagnetism
NT1 thermomagnetism
RT adiabatic demagnetization
RT demagnetization
RT magnetic fields
RT magnetic materials
RT magnetic moments
RT magnetic properties
RT magnetization
RT magnets
RT spin glass state

MAGNETITE
*BT1 iron ores
*BT1 oxide minerals
RT black sands
RT ferrite
RT iron oxides
RT spinels

MAGNETIZATION
INIS: Feb 1976; ETDE: Jun 1975
(Magnetic moment of unit volume of a material.)
RT demagnetization
RT magnetic fields
RT magnetic moments
RT magnetic properties
RT magnetism

MAGNETO-OPTICAL EFFECTS
NT1 voigt effect
RT electro-optical effects
RT faraday effect
RT kerr effect
RT magnetic properties
RT optical properties
RT stark effect
RT zeeman effect

MAGNETO-THERMAL EFFECTS
INIS: Oct 1975; ETDE: Dec 1975
RT magnetic fields

MAGNETOACOUSTIC WAVES
UF *magnetosonic waves*
BT1 hydromagnetic waves
NT1 fast magnetoacoustic waves
RT magnetoacoustics

MAGNETOACOUSTICS
BT1 acoustics
RT hydromagnetic waves
RT magnetoacoustic waves
RT sound waves

magnetoelectricity
Use electrical properties
AND magnetic fields

MAGNETOGASDYNAMICS
*BT1 fluid mechanics
RT gas flow
RT magnetohydrodynamics

magnetohydrodynamic channels
Use mhd channels

magnetohydrodynamic generators
Use mhd generators

magnetohydrodynamic waves
Use hydromagnetic waves

MAGNETOHYDRODYNAMICS
*BT1 hydrodynamics
RT direct energy conversion
RT fluid flow
RT hartmann number
RT magnetic reynolds number
RT magnetogasdynamics
RT mercier criterion
RT mhd equilibrium
RT mhd generators
RT mhd power plants
RT plasma
RT plasma fluid equations

MAGNETOINDUCTION SENSORS
*BT1 beam monitors
RT beam monitoring

MAGNETOMETERS
BT1 measuring instruments
NT1 fluxgate magnetometers
NT1 moving coil magnetometers
NT1 proton precession magnetometers
NT1 vibrating sample magnetometers
RT fluxmeters
RT magnetic probes

MAGNETOPAUSE
RT earth magnetosphere
RT international magnetospheric study
RT magnetosheath

MAGNETOPLASMA COMPRESSORS
BT1 compressors

MAGNETORESISTANCE
*BT1 electric conductivity
RT shubnikov-de haas effect

MAGNETOSHEATH
RT earth magnetosphere
RT geomagnetic field
RT international magnetospheric study
RT magnetopause
RT solar wind

magnetosonic waves
Use magnetoacoustic waves

magnetosphere (earth)
Use earth magnetosphere

magnetospheres (planetary)
Use planetary magnetospheres

magnetospheres (stellar)
Use stellar magnetospheres

MAGNETOSTRICTION
UF *electromagnetostriction*
*BT1 magnetic properties
RT deformation

MAGNETOTAIL
*BT1 earth magnetosphere
RT geomagnetic field
RT international magnetospheric study
RT plasma sheet
RT plasmapause
RT plasmasphere

MAGNETOTELLURIC SURVEYS
INIS: Feb 1979; ETDE: Apr 1976
(The measurement of natural electrical and magnetic fields of the earth.)
*BT1 electromagnetic surveys

MAGNETRONS
*BT1 microwave tubes
RT klystrons
RT rf systems

MAGNETS
BT1 equipment
NT1 beam bending magnets
NT1 beam focusing magnets
NT1 electromagnets
NT2 superconducting magnets
NT1 kicker magnets
NT1 permanent magnets
NT1 septum magnets
NT1 wiggler magnets
RT demagnetization
RT electromagnetic lenses
RT magnet coils
RT magnet cores
RT magnet pole pieces
RT magnetic energy storage equipment
RT magnetism

magnex process
Use desulfurization

MAGNOLIOPHYTA
INIS: Dec 1991; ETDE: Dec 1988
UF *angiosperms*
BT1 plants
NT1 liliopsida
NT2 allium sativum
NT2 aloe
NT2 banana plants
NT2 buckwheat
NT2 cattails
NT2 coconut palms
NT2 gramineae
NT3 bamboo
NT3 cereals
NT4 barley
NT4 maize
NT4 millet
NT4 oats
NT4 rice
NT4 rye
NT4 sorghum
NT4 wheat
NT3 reeds
NT4 sugar cane
NT2 lilium
NT2 oil palms
NT2 onions
NT3 allium cepa
NT2 tradescantia
NT2 water hyacinths
NT1 magnoliopsida
NT2 arabidopsis
NT2 beech trees
NT2 beets
NT3 sugar beets
NT2 birches
NT2 brassica
NT3 kale
NT2 buffalo gourd
NT2 cacao trees
NT2 cacti
NT2 capsicum
NT2 carnations
NT2 carrots
NT2 cassava
NT2 chenopodiaceae
NT2 chestnut trees
NT2 citrus
NT2 coffee plants
NT2 corchorus
NT3 jute
NT2 cotton plants
NT2 crepis
NT2 cucumbers
NT2 digitalis
NT2 eucalyptuses
NT2 euphorbia
NT3 castor
NT3 milkweed
NT3 rubber trees
NT4 guayule
NT4 hevea
NT2 flax plants
NT2 jojoba
NT2 leguminosae
NT3 alfalfa
NT3 clover
NT3 glycine hispida
NT3 locust trees
NT3 mesquite
NT3 phaseolus
NT3 pisum
NT3 vicia
NT3 vigna
NT2 lettuce
NT2 mangroves
NT2 maples
NT2 marihuana
NT2 meadow foam
NT2 nicotiana
NT2 oaks
NT2 olive trees
NT2 papaver somniferum
NT2 pecan trees
NT2 poplars
NT3 aspens
NT3 cottonwoods
NT2 radishes
NT2 ranunculaceae
NT2 rosaceae
NT3 strawberries
NT2 sesamum indicum
NT2 solanum
NT3 solanum tuberosum
NT2 spinach
NT2 sunflowers
NT2 sweet gums
NT2 sycamores
NT2 tea plants
NT2 willows
NT2 yams

MAGNOLIOPSIDA
INIS: Dec 1991; ETDE: Dec 1988
(TUMBLEWEEDS and the UF+ terms below have been valid ETDE descriptors.)
UF *dicotyledons*
UF *russian thistle*
UF *salsola kali*
UF *tumbleweeds*
UF+ *atropa belladonna*
UF+ *coleus*
UF+ *rabbit brush*
*BT1 magnoliophyta
NT1 arabidopsis
NT1 beech trees
NT1 beets
NT2 sugar beets
NT1 birches
NT1 brassica
NT2 kale
NT1 buffalo gourd
NT1 cacao trees
NT1 cacti
NT1 capsicum
NT1 carnations
NT1 carrots
NT1 cassava
NT1 chenopodiaceae
NT1 chestnut trees
NT1 citrus
NT1 coffee plants
NT1 corchorus
NT2 jute
NT1 cotton plants
NT1 crepis
NT1 cucumbers
NT1 digitalis
NT1 eucalyptuses
NT1 euphorbia
NT2 castor
NT2 milkweed
NT2 rubber trees
NT3 guayule
NT3 hevea
NT1 flax plants
NT1 jojoba
NT1 leguminosae
NT2 alfalfa
NT2 clover
NT2 glycine hispida
NT2 locust trees
NT2 mesquite
NT2 phaseolus
NT2 pisum
NT2 vicia
NT2 vigna
NT1 lettuce
NT1 mangroves
NT1 maples
NT1 marihuana
NT1 meadow foam
NT1 nicotiana
NT1 oaks
NT1 olive trees
NT1 papaver somniferum
NT1 pecan trees
NT1 poplars
NT2 aspens
NT2 cottonwoods
NT1 radishes
NT1 ranunculaceae
NT1 rosaceae
NT2 strawberries
NT1 sesamum indicum
NT1 solanum
NT2 solanum tuberosum
NT1 spinach
NT1 sunflowers
NT1 sweet gums
NT1 sycamores

NT1 tea plants
NT1 willows
NT1 yams

MAGNONS
BT1 quasi particles
RT spin waves

MAGNOX
*BT1 magnesium base alloys
RT magnox type reactors

MAGNOX TYPE REACTORS
*BT1 gcr type reactors
*BT1 natural uranium reactors
*BT1 power reactors
NT1 berkeley reactor
NT1 bradwell reactor
NT1 calder hall a-1 reactor
NT1 calder hall a-2 reactor
NT1 calder hall b-3 reactor
NT1 calder hall b-4 reactor
NT1 chapelcross-1 reactor
NT1 chapelcross-2 reactor
NT1 chapelcross-3 reactor
NT1 chapelcross-4 reactor
NT1 dungeness-a reactor
NT1 hinkley point-a reactor
NT1 hunterston-a reactor
NT1 latina reactor
NT1 oldbury-a reactor
NT1 sizewell-a reactor
NT1 tokai-mura reactor
NT1 trawsfynydd reactor
NT1 wylfa reactor
RT carbon dioxide cooled reactors
RT magnox

mahogany trees
Use trees

MAHOGANY ZONE
INIS: Apr 2000; ETDE: May 1975
*BT1 colorado
*BT1 green river formation
RT oil shales

MAIN SEQUENCE STARS
BT1 stars
NT1 carbon stars
NT1 sun
NT1 wolf-rayet stars
RT cno cycle
RT hydrogen burning

MAINE
*BT1 usa
RT kennebec river
RT us east coast

MAINE YANKEE REACTOR
(Wiscasset, Maine, USA)
UF *atomic power company main yankee*
UF *yankee maine reactor*
*BT1 pwr type reactors

MAINTENANCE
NT1 reactor maintenance
RT maintenance facilities
RT modifications
RT operation
RT outages
RT repair

MAINTENANCE FACILITIES
INIS: Feb 1981; ETDE: Jan 1981
UF *facilities (maintenance)*
UF+ *puget sound naval shipyard*
RT energy facilities
RT maintenance
RT nuclear facilities
RT storage facilities
RT terminal facilities

mainz triga-mk-2 reactor
Use triga-2-mainz reactor

MAITLANDITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 silicate minerals
*BT1 thorium minerals
RT thorium silicates

MAIZE
UF *corn (maize)*
UF *zea mays*
UF+ *corn stover*
*BT1 cereals
RT zein

maize oil
Use corn oil

MAJORANA THEORY
RT binding energy

maki parameter
Use ginzburg-landau theory

MALAGASY REPUBLIC
INIS: Jun 1992; ETDE: Dec 1979
*BT1 madagascar

MALARIA
*BT1 parasitic diseases
RT hemic diseases
RT mosquitoes
RT plasmodium

MALATHION
*BT1 carboxylic acid esters
*BT1 insecticides
*BT1 organic oxygen compounds
*BT1 organic phosphorus compounds
*BT1 thiols

MALAWI
BT1 africa
BT1 developing countries

malaya
Use malaysia

MALAYSIA
UF *federation of malaya*
UF *malaya*
BT1 asia
BT1 developing countries

malaysian institute for nuclear energy research
Use mint

MALAYSIAN ORGANIZATIONS
INIS: Dec 1984; ETDE: Dec 1984
BT1 national organizations
NT1 mint
NT1 puspati

MALE GENITALS
UF *genitals (male)*
UF *seminal vesicles*
*BT1 organs
NT1 prostate
NT1 testes
RT fertility
RT gonads
RT reproduction
RT sex
RT urogenital system diseases

MALEIC ACID
UF *maleinic acid*
*BT1 dicarboxylic acids

maleinic acid
Use maleic acid

MALES
NT1 men
RT animals
RT sex
RT sex dependence

MALFORMATIONS
UF *abnormalities (developmental)*
UF *hydrocephalus*
UF *microcephaly*
BT1 pathological changes
NT1 congenital malformations
NT2 downs syndrome

MALI
INIS: Jul 1976; ETDE: Aug 1976
BT1 africa
BT1 developing countries
RT niger river

MALIBU-1 REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *corral canyon nuclear power reactor-1*
*BT1 pwr type reactors

MALIC ACID
UF *hydroxysuccinic acid*
*BT1 hydroxy acids

malignancies
Use neoplasms

malnutrition
Use nutritional deficiency

MALONIC ACID
*BT1 dicarboxylic acids

MALTA
INIS: Dec 1990; ETDE: Dec 1979
BT1 islands
*BT1 western europe
RT mediterranean sea

MALTOSE
*BT1 disaccharides

MAMMALS
(Prior to July 1996 PIKAS was a valid ETDE descriptor.)
UF *cony*
UF *pikas*
UF+ *manatees*
*BT1 vertebrates
NT1 bats
NT1 bears
NT1 burros
NT1 cats
NT1 cetaceans
NT1 coyotes
NT1 dogs
NT2 beagles
NT1 foxes
NT1 horses
NT1 marsupials
NT1 otters
NT1 pinnipeds
NT1 primates
NT2 apes
NT2 man
NT3 children
NT4 infants
NT3 elderly people
NT3 men
NT3 women

NT2 monkeys
NT3 baboons
NT3 macacus
NT1 rabbits
NT1 rodents
NT2 gerbils
NT2 guinea pigs
NT2 hamsters
NT2 mice
NT3 transgenic mice
NT2 prairie dogs
NT2 rats
NT2 squirrels
NT2 voles
NT1 ruminants
NT2 buffalo
NT2 camels
NT2 cattle
NT3 calves
NT3 cows
NT2 deer
NT2 goats
NT2 llamas
NT2 sheep
NT1 shrews
NT1 swine
NT2 miniature swine
NT1 wolves

MAMMARY GLANDS
UF *breasts*
*BT1 glands
RT chest
RT lactation
RT lth
RT milk

MAN
(All of mankind, of any age or of either sex.)
*BT1 primates
NT1 children
NT2 infants
NT1 elderly people
NT1 men
NT1 women
RT adolescents
RT adults
RT age groups
RT aged adults
RT anthropology
RT human populations
RT patients
RT personnel
RT reference man
RT sociology

MAN-MACHINE SYSTEMS
INIS: Feb 1983; ETDE: Jun 1982
(People, machines and the processes by which they interact.)
RT automation
RT communications
RT control rooms
RT control systems
RT cybernetics
RT display devices
RT human factors
RT human factors engineering
RT personnel
RT remote handling
RT systems analysis

MANAGEMENT
(From September 1982 till March 1997 OPERATIONS RESEARCH was a valid ETDE descriptor. From June 1981 till January 1995 SENIOR EXECUTIVE SERVICE was a valid ETDE descriptor.)
UF *administration*
SF *operations research*
SF *senior executive service*
NT1 data base management
NT1 energy management
NT1 load management
NT1 nuclear materials management
NT2 fuel management
NT1 personnel management
NT1 program management
NT2 contract management
NT1 property management
NT1 records management
NT1 resource management
NT1 waste management
NT2 nonradioactive waste management
NT3 nonradioactive waste disposal
NT2 radioactive waste management
NT3 radioactive waste disposal
NT3 radioactive waste processing
NT4 harvest process
NT3 radioactive waste storage
NT4 monitored retrievable storage
NT2 waste disposal
NT3 ground disposal
NT3 ground release
NT3 marine disposal
NT3 nonradioactive waste disposal
NT3 radioactive waste disposal
NT3 sanitary landfills
NT3 stack disposal
NT3 underground disposal
NT2 waste processing
NT3 activated sludge process
NT3 composting
NT3 fluidized bed refuse gasification
NT3 landgard pyrolysis system
NT3 lime-soda sinter process
NT3 materials recovery
NT3 molten salt waste gasification process
NT3 occidental flash pyrolysis process
NT3 purox pyrolysis process
NT3 radioactive waste processing
NT4 harvest process
NT3 slagging pyrolysis process
NT3 steam stripping
NT3 syngas process
NT3 unisulf process
NT3 wet oxidation processes
NT2 waste retrieval
NT2 waste storage
NT3 radioactive waste storage
NT4 monitored retrievable storage
NT2 waste transportation
RT accounting
RT allocations
RT audits
RT delphi method
RT forecasting
RT labor relations
RT organizational models
RT personnel
RT public relations
RT rangelands
RT regional cooperation
RT schedules
RT time delay

manatees
Use aquatic organisms
AND mammals

manaurite 36x
Use iron base alloys

manaurite 900
Use chromium alloys
AND iron base alloys
AND nickel alloys

MANCHE PLANT
INIS: Apr 1993; ETDE: Jul 1993
*BT1 radioactive waste facilities

manchester liverpool university research reactor
Use urr reactor

MANDELIC ACID
UF *amygdalic acid*
*BT1 hydroxy acids

MANDELSTAM REPRESENTATION
(Prior to March 1997 KHURI REPRESENTATION was a valid ETDE descriptor.)
SF *khuri representation*
RT dispersion relations
RT s channel
RT t channel
RT u channel

mandible
Use jaw

MANDREL OPERATION
INIS: Apr 2000; ETDE: Nov 1979
*BT1 nuclear explosions
*BT1 underground explosions
RT contained explosions

MANGANATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 manganese compounds
BT1 oxygen compounds
RT manganese oxides

MANGANESE
(Prior to July 1996 MANGANESE-BETA and MANGANESE-GAMMA were valid ETDE descriptors.)
UF *manganese-beta*
*BT1 transition elements
NT1 manganese-alpha

MANGANESE 44
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 odd-odd nuclei

MANGANESE 46
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 odd-odd nuclei

MANGANESE 47
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 odd-even nuclei

MANGANESE 48
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

MANGANESE 49
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

MANGANESE 50
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei

*BT1 manganese isotopes
*BT1 milliseconds living radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

MANGANESE 51
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

MANGANESE 51 TARGET
BT1 targets

MANGANESE 52
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

MANGANESE 52 TARGET
INIS: Sep 1992; ETDE: Jun 1979
BT1 targets

MANGANESE 53
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 odd-even nuclei
*BT1 years living radioisotopes

MANGANESE 53 TARGET
BT1 targets

MANGANESE 54
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 odd-odd nuclei

MANGANESE 54 TARGET
INIS: Sep 1979; ETDE: Apr 1977
BT1 targets

MANGANESE 55
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 odd-even nuclei
*BT1 stable isotopes

MANGANESE 55 REACTIONS
INIS: Nov 1984; ETDE: Nov 1984
*BT1 heavy ion reactions

MANGANESE 55 TARGET
BT1 targets

MANGANESE 56
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 odd-odd nuclei

MANGANESE 57
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

MANGANESE 58
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

MANGANESE 59
INIS: Nov 1976; ETDE: Sep 1976
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

MANGANESE 60
INIS: Jul 1978; ETDE: Apr 1978
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 manganese isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

MANGANESE 61
INIS: Nov 1980; ETDE: Nov 1980
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

MANGANESE 62
INIS: Jun 1982; ETDE: Jun 1982
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

MANGANESE 63
INIS: Jan 1986; ETDE: Feb 1986
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei

MANGANESE 64
INIS: Aug 1986; ETDE: Sep 1986
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 odd-odd nuclei

MANGANESE 65
INIS: Aug 1986; ETDE: Sep 1986
*BT1 intermediate mass nuclei
*BT1 manganese isotopes
*BT1 odd-even nuclei

MANGANESE ADDITIONS
(Alloys containing not more than 1% Mn are listed here.)
*BT1 manganese alloys
NT1 alloy-al95cu4
NT2 duralumin
NT1 alloy-fe40ni35cr22
NT1 alloy-fe53ni29co18
NT2 kovar
NT1 alloy-hs-31
NT1 alloy-n28t3
NT1 alloy-ni66cu32
NT2 monel 400
NT1 alloy-ni78cr21
NT1 alloy-v-36
NT1 ascoloy
NT1 bondur
NT1 discaloy
NT1 duranickel
NT1 duriron
NT1 magnesium alloy-az31b
NT1 miduale
NT1 ni-hard
NT1 steel-cr16ni9mo2

MANGANESE ALLOYS
(Alloys containing more than 1% Mn.)
UF+ *steel-40k14g18f*
UF+ *steel-40kh13n8g8*
UF+ *steel-cr13mn8ni8*
*BT1 transition element alloys
NT1 alloy-co43cr20fe18ni13w3
NT2 havar
NT1 alloy-mo-re-1
NT1 alloy-ni73cr20mn3nb3
NT2 inconel 82
NT1 alloy-ni94mn3al2
NT2 alumel
NT1 alloy-s-816
NT1 heusler alloys
NT1 manganese additions
NT2 alloy-al95cu4
NT3 duralumin
NT2 alloy-fe40ni35cr22
NT2 alloy-fe53ni29co18
NT3 kovar
NT2 alloy-hs-31
NT2 alloy-n28t3
NT2 alloy-ni66cu32
NT3 monel 400
NT2 alloy-ni78cr21
NT2 alloy-v-36
NT2 ascoloy
NT2 bondur
NT2 discaloy
NT2 duranickel
NT2 duriron
NT2 magnesium alloy-az31b
NT2 miduale
NT2 ni-hard
NT2 steel-cr16ni9mo2
NT1 manganese base alloys
NT1 manganese steels
NT1 manganin
NT1 stainless steel-zcnd17-13
NT1 steel-cr21mn9ni6
NT2 stainless steel-21-6-9
NT1 steel-mncumo
NT2 steel-astm-a537
NT1 steel-mnmo
NT2 steel-astm-a302
NT1 steel-mnnimo
NT2 steel-astm-a533-b
NT1 steel-mnnimov

MANGANESE-ALPHA
*BT1 manganese

MANGANESE ARSENIDES
INIS: Nov 1976; ETDE: Dec 1976
*BT1 arsenides
*BT1 manganese compounds

MANGANESE BASE ALLOYS
*BT1 manganese alloys

manganese-beta
Use manganese

MANGANESE BORIDES
*BT1 borides
*BT1 manganese compounds

MANGANESE BROMIDES
*BT1 bromides
*BT1 manganese halides

MANGANESE CARBIDES
*BT1 carbides
*BT1 manganese compounds

MANGANESE CARBONATES
*BT1 carbonates
*BT1 manganese compounds
RT ankerite

RT carbonate minerals

MANGANESE CHLORIDES
*BT1 chlorides
*BT1 manganese halides

MANGANESE COMPLEXES
*BT1 transition element complexes

MANGANESE COMPOUNDS
UF+ *manganese perchlorates*
BT1 transition element compounds
NT1 manganates
NT1 manganese arsenides
NT1 manganese borides
NT1 manganese carbides
NT1 manganese carbonates
NT1 manganese halides
NT2 manganese bromides
NT2 manganese chlorides
NT2 manganese fluorides
NT2 manganese iodides
NT1 manganese hydrides
NT1 manganese hydroxides
NT1 manganese nitrates
NT1 manganese nitrides
NT1 manganese oxides
NT1 manganese phosphates
NT1 manganese phosphides
NT1 manganese selenides
NT1 manganese silicates
NT1 manganese silicides
NT1 manganese sulfates
NT1 manganese sulfides
NT1 manganese tellurides
NT1 manganese tungstates
NT1 permanganates

MANGANESE FLUORIDES
*BT1 fluorides
*BT1 manganese halides

MANGANESE HALIDES
INIS: Sep 1991; ETDE: Jul 1975
*BT1 halides
*BT1 manganese compounds
NT1 manganese bromides
NT1 manganese chlorides
NT1 manganese fluorides
NT1 manganese iodides

MANGANESE HYDRIDES
INIS: Oct 1977; ETDE: Apr 1976
*BT1 hydrides
*BT1 manganese compounds

MANGANESE HYDROXIDES
*BT1 hydroxides
*BT1 manganese compounds

MANGANESE IODIDES
*BT1 iodides
*BT1 manganese halides

MANGANESE IONS
*BT1 ions

MANGANESE ISOTOPES
BT1 isotopes
NT1 manganese 44
NT1 manganese 46
NT1 manganese 47
NT1 manganese 48
NT1 manganese 49
NT1 manganese 50
NT1 manganese 51
NT1 manganese 52
NT1 manganese 53
NT1 manganese 54
NT1 manganese 55
NT1 manganese 56
NT1 manganese 57
NT1 manganese 58
NT1 manganese 59
NT1 manganese 60
NT1 manganese 61
NT1 manganese 62
NT1 manganese 63
NT1 manganese 64
NT1 manganese 65

MANGANESE NITRATES
*BT1 manganese compounds
*BT1 nitrates

MANGANESE NITRIDES
*BT1 manganese compounds
*BT1 nitrides

manganese nodules
Use manganese ores

MANGANESE ORES
UF *manganese nodules*
BT1 ores

MANGANESE OXIDES
*BT1 manganese compounds
*BT1 oxides
RT manganates
RT oxide minerals
RT permanganates
RT tantalite

manganese perchlorates
Use manganese compounds
AND perchlorates

MANGANESE PHOSPHATES
*BT1 manganese compounds
*BT1 phosphates

MANGANESE PHOSPHIDES
INIS: Nov 1980; ETDE: Mar 1976
*BT1 manganese compounds
*BT1 phosphides

MANGANESE SELENIDES
INIS: Apr 1979; ETDE: Nov 1978
*BT1 manganese compounds
*BT1 selenides

MANGANESE SILICATES
*BT1 manganese compounds
*BT1 silicates
RT helvite
RT silicate minerals

MANGANESE SILICIDES
INIS: Jan 1977; ETDE: Jul 1976
*BT1 manganese compounds
*BT1 silicides

MANGANESE STEELS
INIS: Jun 1994; ETDE: Nov 1982
(STEEL-20M5 and STEEL VNT have been valid ETDE descriptors.)
UF *steel vnt*
UF *steel-20m5*
UF *vnt alloys*
*BT1 manganese alloys
*BT1 steels

MANGANESE SULFATES
*BT1 manganese compounds
*BT1 sulfates

MANGANESE SULFIDES
*BT1 manganese compounds
*BT1 sulfides

MANGANESE TELLURIDES
INIS: Nov 1978; ETDE: Jan 1975
*BT1 manganese compounds
*BT1 tellurides

MANGANESE TUNGSTATES
INIS: Sep 1979; ETDE: Oct 1979
*BT1 manganese compounds
*BT1 tungstates

MANGANIN
INIS: Apr 2000; ETDE: Dec 1974
*BT1 copper base alloys
*BT1 manganese alloys
*BT1 nickel alloys

MANGOES
*BT1 fruits

MANGROVES
INIS: Jan 1992; ETDE: Nov 1975
*BT1 magnoliopsida
*BT1 trees

MANHATTAN PROJECT
RT nuclear weapons

maniac computers
Use computers

manioc
Use cassava

MANIPULATORS
*BT1 laboratory equipment
*BT1 remote handling equipment
RT distance
RT hands
RT hot cells
RT hot labs
RT remote handling
RT shielding
RT underwater facilities
RT underwater operations

MANITOBA
*BT1 canada
RT williston basin

mannomustine
Use alkylating agents

MANNOSE
*BT1 aldehydes
*BT1 hexoses

manometers
Use pressure gages

MANPOWER
(Until May 1996 this concept was indexed by PERSONNEL.)
SF *labor*
RT employment
RT occupations
RT personnel
RT training

MANUALS
(Should be used to index all pieces of literature which are manuals.)
UF *handbooks*
BT1 document types
RT computer program documentation
RT education
RT information
RT recommendations

manufactured buildings
Use prefabricated buildings

MANUFACTURERS
INIS: Mar 1992; ETDE: Nov 1978
- *RT* commercialization
- *RT* industry

MANUFACTURING
(Large-scale commercial fabrication; for fabrication of single systems or components use FABRICATION.)
- **NT1** computer-aided manufacturing
- *RT* fabrication
- *RT* industry
- *RT* machinery
- *RT* production

manufacturing facilities
Use industrial plants

MANURES
INIS: Dec 1991; ETDE: May 1975
- *BT1 agricultural wastes
- *BT1 biological wastes

MANY-BODY PROBLEM
- **NT1** four-body problem
- **NT1** three-body problem
- **NT1** two-body problem
- *RT* bethe-goldstone equation
- *RT* density functional method
- *RT* fsc approximation
- *RT* goldstone diagrams
- *RT* martin-schwinger theory
- *RT* mean-field theory
- *RT* molecular dynamics method
- *RT* multiple scattering
- *RT* percus-yevick equation
- *RT* quasi particles
- *RT* unitary pole approximation
- *RT* van hove-hugenholtz theory
- *RT* wick theorem

MANY-DIMENSIONAL CALCULATIONS
(More than four dimensions.)
- UF *calculations (many dimensions)*
- UF *five-dimensional calculations*
- *RT* four-dimensional calculations
- *RT* mathematics
- *RT* three-dimensional calculations
- *RT* two-dimensional calculations

MANY-NUCLEON TRANSFER REACTIONS
(More than four nucleons transferred.)
- *BT1 multi-nucleon transfer reactions

MAPLE REACTOR
INIS: Apr 2000; ETDE: Jan 1986
(Multipurpose Applied Physics Lattice Experimental Reactor.)
- *BT1 enriched uranium reactors
- *BT1 heavy water moderated reactors
- *BT1 research and test reactors
- *BT1 water cooled reactors
- *BT1 water moderated reactors

MAPLE TYPE REACTORS
INIS: Dec 1985; ETDE: Jun 1992
(Multipurpose Applied Physics Lattice Experimental Reactor. Prior to January 1992, this information was indexed by MAPLE REACTOR.)
- UF *multipurpose applied physics lattice reactor*
- *BT1 enriched uranium reactors
- *BT1 heavy water moderated reactors
- *BT1 research and test reactors
- *BT1 water cooled reactors
- *BT1 water moderated reactors

MAPLES
INIS: Jan 1992; ETDE: Mar 1979
- *BT1 magnoliopsida
- *BT1 trees

MAPPING
INIS: Mar 1992; ETDE: Oct 1978
- **NT1** genetic mapping
- **NT1** topological mapping
  - **NT2** conformal mapping
- *RT* geometry
- *RT* maps

mapping (topological)
Use topological mapping

MAPPING FIBRATION
- UF *fibration (topological maps)*
- *RT* differential topology
- *RT* topological mapping

MAPS
- *RT* diagrams
- *RT* mapping
- *RT* topography

mar-250 alloy
Use maraging steels

MAR-M509 ALLOYS
INIS: Apr 2000; ETDE: Jan 1979
- UF *xc-224*
- UF *xc-224fe*
- *BT1 cobalt base alloys

MARAGING STEELS
INIS: May 1979; ETDE: Mar 1979
(Strong tough low-carbon martensitic steels which contain up to 25% nickel and in which hardening precipitates are formed by aging.)
- UF *mar-250 alloy*
- *BT1 martensitic steels
- *RT* martensite

MARBLE
INIS: Feb 1976; ETDE: Oct 1975
- *BT1 metamorphic rocks
- *RT* calcium carbonates

MARBLE HILL-1 REACTOR
INIS: May 1976; ETDE: Nov 1975
(Jefferson, Indiana, USA)
- *BT1 pwr type reactors

MARBLE HILL-2 REACTOR
INIS: May 1976; ETDE: Nov 1975
(Jefferson, Indiana, USA)
- *BT1 pwr type reactors

MARCASITE
INIS: Sep 1983; ETDE: Mar 1979
- *BT1 sulfide minerals
- *RT* iron sulfides
- *RT* pyrite

marcoule (cea)
Use cea marcoule

marcoule g-1 reactor
Use g-1 reactor

marcoule g-2 reactor
Use g-2 reactor

marcoule g-3 reactor
Use g-3 reactor

marcoule phenix reactor
Use phenix reactor

MARFE
INIS: May 1990; ETDE: Jun 1990
(Multifaceted Asymmetric Radiation From the Edge is the result of a radiative thermal instability caused by light impurities in a peripheral plasma.)
- *RT* plasma confinement
- *RT* plasma instability
- *RT* plasma sheath
- *RT* stellarators
- *RT* tokamak devices

MARGINAL-COST PRICING
INIS: May 1992; ETDE: Apr 1978
(Pricing based on addition to total cost incurred by the producer in providing one or more units.)
- BT1 prices
- *RT* electric power
- *RT* incremental-cost pricing
- *RT* load management
- *RT* public utilities
- *RT* rolled-in pricing

margins
Use profits

MARIA REACTOR
(Institute of Nuclear Research, Swierk, Poland)
- UF *swierk maria reactor*
- *BT1 beryllium moderated reactors
- *BT1 enriched uranium reactors
- *BT1 isotope production reactors
- *BT1 pool type reactors
- *BT1 research and test reactors
- *BT1 thermal reactors

MARIANA ISLANDS
INIS: Jun 1992; ETDE: Dec 1979
- *BT1 trust territory of the pacific islands
- **NT1** guam

mariculture
Use aquaculture

MARIGNACITE
INIS: Apr 2000; ETDE: Dec 1974
- *BT1 oxide minerals
- *RT* niobium oxides
- *RT* titanium oxides
- *RT* zirconium oxides

MARIHUANA
INIS: Dec 1991; ETDE: May 1981
- UF *marijuana*
- *BT1 herbs
- *BT1 magnoliopsida
- *RT* hallucinogens

marijuana
Use marihuana

MARINAS
INIS: Jun 1992; ETDE: Nov 1977
- *RT* harbors
- *RT* inland waterways
- *RT* seas

MARINE DISPOSAL
- UF *sea disposal*
- *BT1 waste disposal
- *RT* boom clay
- *RT* lcpmpdpw
- *RT* oecd mcmsdrw
- *RT* radioactive waste disposal

marine ecosystems
Use aquatic ecosystems

marine insurance
Use insurance

marine pollution prevention, london convention
Use lcpmpdpw

MARINE RISERS
INIS: Apr 2000; ETDE: Apr 1977
(Pipes through which fluid travels in an upward direction. On offshore operations the term refers to large diameter pipes which extend from the blowout preventer stack on the sea floor to under the derrick floor of an offshore platform or to a large diameter pipe or flow line carrying gas or oil.)
UF *drilling risers*
UF *production risers*
*BT1 pipes
RT offshore drilling
RT offshore platforms

MARINE SURVEYS
INIS: Jan 1977; ETDE: Nov 1976
UF *offshore surveys*
SF *surveys*
RT geochemical surveys
RT geophysical surveys

marine vehicle accidents
Use accidents

MARINER SPACE PROBES
*BT1 space vehicles

marit car liab conv bruss 1971
Use bcoclmcnm

maritime carriage liability conv brussels 1971
Use bcoclmcnm

MARITIME LAWS
(Prior to December 1990, this descriptor was spelled MARITIME LAW.)
BT1 laws
RT high seas
RT maritime transport
RT nuclear ship visits
RT territorial waters
RT transport regulations

MARITIME TRANSPORT
INIS: Dec 1976; ETDE: Oct 1977
BT1 transport
RT maritime laws
RT ships
RT tanker ships

MARIUS REACTOR
(CEA/CEN, Cadarache, St. Paul Lez Durance, France)
UF *cadarache reactor marius*
*BT1 graphite moderated reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 zero power reactors

mark v synchrotron
Use mura synchrotron

MARKARIAN GALAXIES
(With abnormally strong continuum in the ultraviolet spectral region.)
BT1 galaxies
RT cosmic radio sources

MARKET
(The chance to buy or sell.)
UF+ *market shares*
NT1 spot market
RT business
RT cartels
RT commercial sector
RT commercialization
RT cooperatives
RT domestic supplies
RT economics
RT forecasting
RT gross domestic product
RT gross national product
RT marketers
RT marketing
RT monopolies
RT resellers
RT retailers
RT small businesses
RT supply and demand
RT trade

market life
Use storage life

market shares
Use competition
AND market

MARKETERS
INIS: Apr 1992; ETDE: Oct 1979
UF *buyers*
UF *dealers*
UF *nonbranded independent marketers*
UF *refiner-marketers*
UF *sellers*
NT1 resellers
NT1 retailers
NT2 gasoline service stations
RT commercial sector
RT competition
RT industry
RT market

MARKETING
INIS: Mar 1992; ETDE: Nov 1979
(The aggregate of functions involved in moving goods from producer to customer.)
UF *marketing research*
SF *petroleum marketing practices act*
BT1 business
RT advertising
RT antitrust laws
RT market
RT retailers
RT sales

marketing research
Use marketing

MARKOV PROCESS
BT1 stochastic processes
RT chapman-kolmogorov equation
RT failure mode analysis

marlex
Use polyethylenes

marlite
Use marlstone

MARLSTONE
INIS: Apr 1984; ETDE: Jul 1976
(An indurated mixture of clay materials and calcium carbonate (rarely dolomite) usually containing from 25 to 75% clays.)
UF *marlite*
RT calcium carbonates
RT clays

marmara sea
Use seas
AND turkey

marmen effect
Use shape memory effect

marmora sea
Use seas
AND turkey

MARS PLANET
BT1 planets

MARS REACTOR
INIS: Mar 1986; ETDE: May 1983
(Mars is a major design study undertaken by Lawrence Livermore Laboratory of a 1200 mw(e) commercial tandem mirror reactor.)
UF *mirror advanced reactor study*
*BT1 magnetic mirror type reactors
RT minimars reactor

MARS SPACE PROBES
INIS: Feb 1978; ETDE: Apr 1978
*BT1 space vehicles
RT space flight

marsh event
Use anvil project

MARSHAK BOUNDARY CONDITIONS
UF+ *marshak conditions*
BT1 boundary conditions
RT angular distribution
RT milne problem
RT spherical harmonics method

marshak conditions
Use marshak boundary conditions
AND martin-schwinger theory

MARSHALL ISLANDS
*BT1 micronesia
NT1 bikini
NT1 eniwetok
RT nuclear explosions
RT pacific ocean

MARSHES
INIS: Oct 1976; ETDE: Jul 1976
(Transitional land-water areas, covered at least part of the time by estuarine or coastal waters and characterized by aquatic and grasslike vegetation.)
*BT1 wetlands
RT cattails
RT surface waters
RT swamps

MARSUPIALS
UF *kangaroos*
UF *opossum*
UF *potorous*
UF *rat kangaroos*
*BT1 mammals

MARTENSITE
*BT1 carbon additions
*BT1 iron alloys
RT austenite
RT bainite
RT cementite
RT ferrite
RT iron-alpha
RT maraging steels
RT martensitic steels
RT steels

MARTENSITIC STEELS
INIS: Nov 1983; ETDE: Nov 1989
*BT1 steels
NT1 maraging steels
NT1 steel-cr10mo2

NT1 steel-cr12
NT2 stainless steel-403
NT1 steel-cr12mov
NT2 alloy-ht-9
NT1 steel-cr13
NT2 stainless steel-410
NT1 steel-cr16ni
NT1 steel-cr17cu4ni4nb-l
NT2 stainless steel-17-4ph
NT1 steel-cr17mo
NT2 stainless steel-440
NT1 steel-cr18
RT martensite

martin-puff-schwinger theory
Use martin-schwinger theory

MARTIN-SCHWINGER THEORY
UF *martin-puff-schwinger theory*
UF+ *marshak conditions*
RT many-body problem

MARTINIQUE
INIS: Jun 1992; ETDE: Aug 1980
*BT1 lesser antilles

marvel event
Use nuclear explosions
AND underground explosions

MARVIKEN REACTOR
*BT1 bhwr type reactors
*BT1 enriched uranium reactors
*BT1 power reactors

MARX GENERATORS
INIS: Apr 1984; ETDE: Aug 1985
(Pulsed power devices to charge capacitors in parallel and discharge them quickly in series to produce high voltage, high power pulses used in light ion fusion and in some laser fusion systems.)
*BT1 high-voltage pulse generators
*BT1 power supplies

MARY KATHLEEN MINES
*BT1 uranium mines
RT australia

MARYLA REACTOR
(Institute of Nuclear Research, Academy of Mining and Metallurgy, Cracow, Poland)
UF *polish government maryla reactor*
UF *swierk research reactor maryla*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 zero power reactors

MARYLAND
UF+ *douglas point site*
*BT1 usa
RT chesapeake bay
RT potomac river
RT potomac river basin
RT susquehanna river
RT us east coast

maryland univ. reactor
Use umne-1 reactor

MASERS
(Microwave Amplification by Stimulated Emission of Radiation)
SF *stimulated emission devices*
*BT1 microwave amplifiers
RT gasers
RT lasers
RT microwave radiation
RT quantum electronics
RT radiation sources
RT stimulated emission

MASKING
INIS: Feb 1992; ETDE: Mar 1980
(Using a covering or coating on a semiconductor or other surface to provide a masked area for selective deposition or etching.)
SF *resist*
RT coatings
RT coverings
RT deposition
RT etching
RT screen printing

masks
Use respirators

MASS
NT1 critical mass
NT1 effective mass
NT1 missing mass
NT1 negative mass
NT1 rest mass
NT1 thermal mass
RT dalitz plot
RT equivalence principle
RT gravitational fields
RT linear momentum
RT mass difference
RT mass distribution
RT mass formulae
RT moment of inertia
RT weight

mass (thermal)
Use thermal mass

MASS BALANCE
UF *balance (mass)*
RT confinement
RT plasma
RT plasma confinement
RT thermonuclear devices
RT thermonuclear reactors

MASS DEFECT
(Mass lost to binding energy.)
RT binding energy
RT nuclear forces

MASS DIFFERENCE
(Unexpected difference between particles of the same family, e.g., between pi plus and pi minus.)
BT1 particle properties
RT mass

MASS DISTRIBUTION
INIS: Aug 1984; ETDE: Oct 1984
(The way matter is distributed in space or throughout a body.)
*BT1 spatial distribution
RT anisotropy
RT configuration
RT density
RT mass
RT shape

MASS DOUBLETS
INIS: May 1992; ETDE: Jan 1975
RT mass spectroscopy

MASS FORMULAE
NT1 okubo mass formula
RT mass
RT quantum field theory

mass loss
See mass transfer
OR stellar winds

MASS NUMBER
SF *atomic weight*
RT mass spectroscopy
RT weizsaecker formula

mass radius (nuclear)
Use nuclear radii

mass radius (particle)
Use particle radii

MASS REARING
BT1 animal breeding
BT1 rearing
RT diet
RT insects
RT nutrition
RT sterile male technique

MASS RENORMALIZATION
BT1 renormalization

MASS RESOLUTION
BT1 resolution

MASS SPECTRA
BT1 spectra
RT icp mass spectroscopy

MASS SPECTROMETERS
*BT1 spectrometers
NT1 dynamic mass spectrometers
NT2 energy balance mass spectrometers
NT2 time-of-flight mass spectrometers
NT1 spark mass spectrometers
NT1 static mass spectrometers
RT dees
RT icp mass spectroscopy
RT mass spectroscopy

mass spectrometry
Use mass spectroscopy

MASS SPECTROSCOPY
UF *mass spectrometry*
UF+ *sims*
BT1 spectroscopy
NT1 icp mass spectroscopy
NT1 resonance ionization mass spectroscopy
RT mass doublets
RT mass number
RT mass spectrometers

MASS TRANSFER
UF *transfer (mass)*
SF *mass loss*
NT1 advection
NT1 convection
NT2 forced convection
NT2 natural convection
NT2 thermosyphon effect
NT1 environmental transport
NT2 long-range transport
NT2 radionuclide migration
NT2 runoff
RT air-biosphere interactions
RT atom transport
RT dialysis
RT diffusion
RT energy transfer
RT fluid flow
RT membrane transport
RT osmosis

MASS TRANSIT SYSTEMS
INIS: Sep 1992; ETDE: Nov 1977
BT1 transportation systems
RT rapid transit systems
RT transport

MASSACHUSETTS
*BT1 usa
RT connecticut river
RT connecticut river basin
RT gulf of maine
RT us east coast

massachusetts institute of technology alcator
Use alcator device

massachusetts institute of technology reactor
Use mitr reactor

massey-mohr equation
Use equations

massive transfer reactions
Use incomplete fusion reactions

massive vector-meson model
Use gluon model

MASSLESS PARTICLES
BT1 elementary particles
NT1 gravitons
NT1 neutrinos
NT2 antineutrinos
NT3 electron antineutrinos
NT3 muon antineutrinos
NT2 cosmic neutrinos
NT2 electron neutrinos
NT3 electron antineutrinos
NT2 muon neutrinos
NT3 muon antineutrinos
NT2 solar neutrinos
NT2 tau neutrinos
NT1 photons
NT2 cosmic photons
RT quantum field theory
RT relativity theory

MAST CELLS
UF *basophils (connective tissue)*
*BT1 connective tissue cells
RT heparin

MAST TOKAMAK
INIS: Jul 1999; ETDE: Sep 1999
(Mega Amp Spherical Tokamak, Culham, UK.)
*BT1 spheromak devices

MASTER METERING
INIS: Apr 2000; ETDE: Oct 1979
(Use of a single meter to record energy consumption - either gas or electricity - for an entire multifamily residence.)
BT1 metering
RT electric power
RT electric utilities
RT gas meters
RT gas utilities
RT measuring methods
RT natural gas
RT power meters

MASTIGOPHORA
INIS: Jul 1993; ETDE: Jun 1981
*BT1 protozoa
NT1 dinoflagellate
NT1 euglena
NT1 trypanosoma

MASURCA REACTOR
UF *cadarache maquette surgeneratic reactor*
*BT1 air cooled reactors
*BT1 enriched uranium reactors
*BT1 fast reactors
*BT1 plutonium reactors
*BT1 zero power reactors

masurium
Use technetium

masuyite
Use oxide minerals
AND uranium minerals

MATAGORDA BAY
INIS: Apr 2000; ETDE: Nov 1979
*BT1 bays
RT texas

MATERIAL BALANCE
SF *input-output*
RT accounting
RT inventories
RT losses
RT material unaccounted for
RT materials
RT shipper-receiver differences

MATERIAL BALANCE AREA
RT safeguards
RT strategic points

MATERIAL BUCKLING
(A form of neutron density distribution in reactors. For buckling of materials, see DEFORMATION or FAILURES.)
BT1 buckling

MATERIAL SUBSTITUTION
INIS: Feb 1993; ETDE: Dec 1977
RT fuel substitution
RT interchangeability

MATERIAL UNACCOUNTED FOR
UF *muf*
RT accounting
RT inventories
RT losses
RT material balance
RT nuclear materials management
RT safeguards
RT shipper-receiver differences

MATERIALS
INIS: Dec 1982; ETDE: May 1975
(Use of a more specific term is strongly recommended.)
UF+ *molding materials*
SF *renewable resources*
NT1 biological materials
NT2 biological wastes
NT3 feces
NT3 manures
NT3 sewage sludge
NT3 sweat
NT3 urine
NT2 body fluids
NT3 amniotic fluid
NT3 bile
NT3 blood
NT4 blood cells
NT5 blood platelets
NT5 erythrocytes
NT6 reticulocytes
NT5 leukocytes
NT6 basophils
NT6 eosinophils
NT6 lymphocytes
NT6 monocytes
NT6 natural killer cells
NT6 neutrophils
NT4 blood plasma
NT5 blood serum
NT3 cerebrospinal fluid
NT3 gastric acid
NT3 lymph
NT3 milk
NT3 saliva
NT3 sweat
NT3 urine
NT2 forest litter
NT2 plant sap
NT2 tissue extracts
NT1 building materials
NT2 adobe
NT2 bricks
NT2 cements
NT3 gypsum cements
NT3 portland cement
NT2 concrete blocks
NT2 concretes
NT3 prestressed concrete
NT3 reinforced concrete
NT1 carbonaceous materials
NT2 bituminous materials
NT3 kerogen
NT3 oil sands
NT3 oil shales
NT4 black shales
NT2 coal
NT3 black coal
NT4 anthracite
NT4 bituminous coal
NT3 brown coal
NT4 lignite
NT3 coal fines
NT3 sapropelic coal
NT4 boghead coal
NT5 torbanite
NT4 cannel coal
NT3 subbituminous coal
NT1 composite materials
NT2 cermets
NT3 td-nickel
NT3 td-nickel chromium
NT2 concrete-plastic composites
NT2 fiberglass
NT2 prestressed concrete
NT2 reinforced concrete
NT2 superconducting composites
NT2 wood-plastic composites
NT1 dielectric materials
NT2 antiferroelectric materials
NT2 electrets
NT2 ferroelectric materials
NT1 doped materials
NT1 environmental materials
NT1 fertile materials
NT1 fissionable materials
NT2 fissile materials
NT1 glazing materials
NT1 granular materials
NT1 hazardous materials
NT2 toxic materials
NT3 toxins
NT4 endotoxins
NT4 mycotoxins
NT5 aflatoxins
NT1 heat resistant materials
NT2 heat resisting alloys
NT3 alloy-co36cr22ni22w15fe3
NT4 haynes 188 alloy
NT3 alloy-co54cr20w15ni10
NT4 alloy-hs-25
NT4 haynes 25 alloy
NT3 alloy-co60cr30w4
NT4 stellite 6
NT3 alloy-d-979
NT3 alloy-fe44ni33cr21
NT4 incoloy 800h
NT3 alloy-fe46ni33cr21
NT4 incoloy 800
NT4 incoloy 802

NT3 alloy-mo99
NT4 alloy-tzm
NT4 alloy-zm-2a
NT3 alloy-n-10m
NT3 alloy-n-9m
NT3 alloy-ni41fe40cr16nb3
NT4 inconel 706
NT3 alloy-ni43fe30cr22mo3
NT4 incoloy 825
NT3 alloy-ni43fe33cr16mo3
NT4 nimonic pe16
NT3 alloy-ni46cr23co19ti5al4
NT4 alloy-in-939
NT3 alloy-ni49cr22fe18mo9
NT4 hastelloy x
NT3 alloy-ni50co20cr15al5mo5
NT4 nimonic 105
NT3 alloy-ni50cr22fe18mo9
NT4 hastelloy xr
NT3 alloy-ni50mo32cr15si3
NT3 alloy-ni51cr48
NT4 inconel 671
NT3 alloy-ni53cr19fe19nb5mo3
NT4 inconel 718
NT3 alloy-ni54cr22co13mo9
NT4 inconel 617
NT3 alloy-ni54mo17cr16fe6w4
NT4 hastelloy c
NT3 alloy-ni55cr19co11mo10ti3
NT4 rene 41
NT3 alloy-ni58cr20co14mo4ti3
NT4 waspaloy
NT3 alloy-ni59cr20co17ti2
NT3 alloy-ni59cr30fe9
NT4 inconel 690
NT3 alloy-ni60co15cr10al6ti5mo3
NT4 alloy-in-100
NT3 alloy-ni60fe24cr16
NT4 nichrome
NT3 alloy-ni61cr16co9al3ti3w3
NT4 alloy-in-738
NT3 alloy-ni61cr22mo9nb4fe3
NT4 inconel 625
NT3 alloy-ni62cr16mo15fe3
NT4 hastelloy s
NT3 alloy-ni65cr25mo10
NT4 nimonic 86
NT3 alloy-ni70mo17cr7fe5
NT4 hastelloy n
NT4 inor-8
NT3 alloy-ni73cr15fe7ti3
NT4 inconel x750
NT3 alloy-ni73cr20mn3nb3
NT4 inconel 82
NT3 alloy-ni74cr13al6mo4
NT4 inconel 713c
NT3 alloy-ni75cr12al6mo5
NT4 inconel 713lc
NT3 alloy-ni76cr15fe8
NT4 inconel 600
NT3 alloy-ni76cr20ti2
NT4 nimonic 80a
NT3 alloy-ni77cr20ti2
NT3 alloy-nt25a5
NT3 alloy-ra-333
NT3 alloy-s-590
NT3 alloy-s-816
NT3 alloy-v-36
NT3 alloy-zr97nb3
NT3 alloy-zr98sn-2
NT4 zircaloy 2
NT3 alloy-zr98sn-4
NT4 zircaloy 4
NT3 enduro
NT3 incoloy 901
NT3 rene 80
NT3 rene 95
NT3 steel-cr12
NT4 stainless steel-403
NT3 steel-cr12moniv
NT3 steel-cr12mov
NT4 alloy-ht-9
NT3 steel-cr13
NT4 stainless steel-410
NT3 steel-cr13al
NT4 stainless steel-405
NT3 steel-cr15ni15motib
NT3 steel-cr16
NT4 stainless steel-430
NT3 steel-cr16ni
NT3 steel-cr16ni13monbv
NT3 steel-cr16ni15mo3nb
NT3 steel-cr16ni16monb
NT3 steel-cr16ni8mo2
NT4 stainless steel-16-8-2
NT3 steel-cr17cu4ni4nb-l
NT4 stainless steel-17-4ph
NT3 steel-cr17mo
NT4 stainless steel-440
NT3 steel-cr17ni12mo3
NT4 stainless steel-316
NT3 steel-cr17ni12mo3-l
NT4 stainless steel-316l
NT4 stainless steel-zcnd17-13
NT3 steel-cr17ni12monb
NT3 steel-cr17ni13
NT3 steel-cr17ni13mo2ti
NT3 steel-cr17ni13mo3ti
NT3 steel-cr17ni4mo3
NT3 steel-cr17ni7
NT4 stainless steel-301
NT3 steel-cr18ni10
NT4 stainless steel-18-10
NT3 steel-cr18ni10-l
NT3 steel-cr18ni10ti
NT4 stainless steel-321
NT3 steel-cr18ni11
NT4 steel-x6crni1811
NT3 steel-cr18ni11nb
NT4 stainless steel-347
NT3 steel-cr18ni11nbco
NT4 stainless steel-348
NT3 steel-cr18ni12
NT4 stainless steel-305
NT3 steel-cr18ni12ti
NT3 steel-cr18ni8
NT4 stainless steel-18-8
NT3 steel-cr18ni9
NT4 stainless steel-302
NT3 steel-cr18ni9ti
NT3 steel-cr19ni10
NT4 stainless steel-304
NT3 steel-cr19ni10-l
NT4 stainless steel-304l
NT3 steel-cr20ni11
NT4 stainless steel-308
NT3 steel-cr20ni11-l
NT4 stainless steel-308l
NT3 steel-cr21mn9ni6
NT4 stainless steel-21-6-9
NT3 steel-cr23ni14
NT4 stainless steel-309
NT4 stainless steel-309s
NT3 steel-cr23ni18
NT3 steel-cr25
NT4 stainless steel-446
NT3 steel-cr25ni20
NT4 alloy-hk-40
NT4 stainless steel-310
NT3 steel-cr2moninb
NT3 steel-cr2mov
NT3 steel-ni25cr20
NT4 stainless steel-20-25
NT3 steel-ni26cr15ti2movalb
NT4 alloy-a-286
NT3 steel-nimocr
NT3 tophet
NT3 tribaloy 800
NT3 udimet alloys
NT4 alloy-ni53co19cr15mo5al4ti3
NT5 udimet 700
NT4 udimet 500
NT1 ion exchange materials
NT2 inorganic ion exchangers
NT3 bentonite
NT3 montmorillonite
NT3 mullite
NT3 vermiculite
NT3 zeolites
NT4 clinoptilolite
NT4 faujasite
NT4 heulandite
NT4 laumontite
NT4 mordenite
NT4 wairakite
NT2 liquid ion exchangers
NT2 mixed bed ion exchangers
NT2 organic ion exchangers
NT3 polystyrene-dvb
NT1 isotope enriched materials
NT2 enriched uranium
NT3 highly enriched uranium
NT3 moderately enriched uranium
NT3 slightly enriched uranium
NT1 laser materials
NT1 lunar materials
NT1 magnetic materials
NT2 antiferromagnetic materials
NT2 ferrimagnetic materials
NT3 ferrites
NT2 ferromagnetic materials
NT1 matrix materials
NT1 phase change materials
NT1 photochromic materials
NT1 porous materials
NT1 potting materials
NT1 radioactive materials
NT2 fission products
NT2 radioactive minerals
NT3 baddeleyite
NT3 corvusite
NT3 fersmite
NT3 kainosite
NT3 melanovanadite
NT3 pascoite
NT3 rutile
NT3 thorium minerals
NT4 allanite
NT4 bastnaesite
NT4 brannerite
NT4 ekanite
NT4 freyalite
NT4 hydrothorite
NT4 lodochnikite
NT4 lyndochite
NT4 mackintoshite
NT4 maitlandite
NT4 monazites
NT4 naegite
NT4 thorianite
NT4 thorite
NT5 jiningite
NT4 thucholite
NT4 uranothorite
NT3 uranium minerals
NT4 autunite
NT4 bassetite
NT4 becquerelite
NT4 billietite
NT4 brannerite
NT4 carnotite
NT4 clarkeite
NT4 coffinite
NT4 compreignacite
NT4 dewindtite
NT4 diderichite
NT4 djalmaite

NT4 ekanite
NT4 ellsworthite
NT4 ferghanite
NT4 fourmarierite
NT4 gastunite
NT4 guilleminite
NT4 hallimondite
NT4 heinrichite
NT4 ianthinite
NT4 kahlerite
NT4 kirchheimerite
NT4 lodochnikite
NT4 mackintoshite
NT4 moctezumite
NT4 montroseite
NT4 naegite
NT4 natroautunite
NT4 ningyoite
NT4 novacekite
NT4 para-schoepite
NT4 ranquilite
NT4 rauvite
NT4 sabugalite
NT4 saleeite
NT4 schoepite
NT4 sengierite
NT4 sklodowskite
NT4 soddyite
NT4 thorianite
NT4 thucholite
NT4 torbernite
NT4 tyuyamunite
NT4 uraninites
NT5 broeggerite
NT5 pitchblende
NT4 uranium black
NT4 uranophane
NT4 uranothorite
NT4 vesuvianite
NT2 radioactive wastes
NT3 alpha-bearing wastes
NT3 calcined wastes
NT3 high-level radioactive wastes
NT3 intermediate-level radioactive wastes
NT3 low-level radioactive wastes
NT3 radioactive effluents
NT3 waste forms
NT2 radiopharmaceuticals
NT1 raw materials
NT2 chemical feedstocks
NT1 reactor materials
NT2 nuclear fuels
NT3 alloy nuclear fuels
NT3 denatured fuel
NT3 dispersion nuclear fuels
NT3 fuel solutions
NT3 liquid metal fuels
NT3 mixed carbide fuels
NT3 mixed nitride fuels
NT3 mixed oxide fuels
NT3 molten salt fuels
NT3 spent fuels
NT2 nuclear poisons
NT3 burnable poisons
NT3 fission poisons
NT3 soluble poisons
NT1 reinforced materials
NT2 reinforced concrete
NT2 reinforced plastics
NT1 sealing materials
NT1 semiconductor materials
NT2 magnetic semiconductors
NT2 n-type conductors
NT2 organic semiconductors
NT2 p-type conductors
NT1 shielding materials
NT1 sintered materials
NT2 sap
NT1 stemming materials
NT1 surgical materials
NT1 synthetic materials
NT2 plastics
NT3 aramids
NT3 bakelite
NT3 formvar
NT3 lucite
NT3 mylar
NT3 nylon
NT3 perspex
NT3 plexiglas
NT3 polystyrene
NT3 polyurethanes
NT4 halthane
NT3 reinforced plastics
NT3 tedlar
NT3 teflon
NT3 thermoplastics
NT2 synthetic rocks
NT1 thermoelectric materials
NT1 thermonuclear reactor materials
NT1 tissue-equivalent materials
NT1 weatherstripping
RT interchangeability
RT material balance
RT materials drilling
RT materials handling
RT materials testing
RT materials working

materials (antiferroelectric)
Use antiferroelectric materials

materials (antiferromagnetic)
Use antiferromagnetic materials

materials (biological)
Use biological materials

materials (building)
Use building materials

materials (composite)
Use composite materials

materials (dielectric)
Use dielectric materials

materials (doped)
Use doped materials

materials (environmental)
Use environmental materials

materials (ferrimagnetic)
Use ferrimagnetic materials

materials (ferroelectric)
Use ferroelectric materials

materials (ferromagnetic)
Use ferromagnetic materials

materials (lunar)
Use lunar materials

materials (magnetic)
Use magnetic materials

materials (porous)
Use porous materials

materials (reinforced)
Use reinforced materials

materials (semiconductor)
Use semiconductor materials

materials (shielding)
Use shielding materials

materials and minerals policy acts
See laws

MATERIALS DRILLING
UF *drilling (materials)*
BT1 machining
NT1 laser drilling
NT1 rock drilling
RT drill bits
RT materials
RT subterrene penetrators

MATERIALS HANDLING
(From May 1978 to March 1997 HOISTING was a valid ETDE descriptor. From August 1979 till March 1997 RETRIEVAL SYSTEMS was a valid ETDE descriptor.)
UF *handling (materials)*
UF *hoisting*
SF *retrieval systems*
NT1 lightering
NT1 loading
NT1 mine haulage
NT1 unloading
RT cargo
RT contact handling
RT conveyors
RT cranes
RT delivery
RT fuel feeding systems
RT grabs
RT haulage equipment
RT hoists
RT hydraulic transport
RT loaders
RT materials
RT materials handling equipment
RT pumping
RT recycling
RT remote handling
RT sample changers
RT solids flow
RT transport
RT waste retrieval
RT winches

MATERIALS HANDLING EQUIPMENT
INIS: Sep 1983; ETDE: Feb 1980
BT1 equipment
NT1 earthmoving equipment
NT2 bucket wheel excavators
NT2 draglines
NT1 grabs
NT1 haulage equipment
NT2 conveyors
NT3 belt conveyors
NT3 chain conveyors
NT2 loaders
NT3 cutter loaders
NT4 coal plows
NT4 continuous miners
NT4 heading machines
NT4 shearer loaders
NT2 mine cars
NT1 hoists
NT1 mixers
NT1 remote handling equipment
NT2 cranes
NT2 manipulators
NT1 shredders
NT1 winches
RT contact handling
RT materials handling
RT remote handling
RT robots
RT transport

MATERIALS PROCESSING REACTORS
(For routine irradiation of production items to obtain desirable changes in properties.)
*BT1 irradiation reactors

MATERIALS RECOVERY
INIS: May 1992; ETDE: Sep 1975
SF *recovery*
*BT1 waste processing
RT lime-soda sinter process
RT recycling
RT resource recovery facilities
RT resox process
RT syngas process

MATERIALS TESTING
UF *testing (materials)*
BT1 testing
NT1 destructive testing
NT2 charpy test
NT1 mechanical tests
NT2 impact tests
NT3 charpy test
NT1 nondestructive testing
NT2 acoustic testing
NT3 acoustic emission testing
NT3 ultrasonic testing
NT2 electrical testing
NT2 electromagnetic testing
NT3 eddy current testing
NT2 industrial radiography
NT3 beta radiography
NT3 gamma radiography
NT4 gamma fuel scanning
NT3 neutron radiography
NT3 proton radiography
NT3 x-ray radiography
NT2 liquid penetrant inspection
NT2 magnetic testing
NT2 radiation attenuation testing
NT2 thermal testing
NT3 frost tests
RT ceramography
RT corrosion
RT emanation method
RT fmit linac
RT inspection
RT materials
RT metallography
RT photoelasticity
RT quality control
RT s-n diagram
RT stresses

materials testing reactor idaho
Use mtr reactor

materials testing reactor japan
Use jmtr reactor

MATERIALS TESTING REACTORS
(For testing properties of materials or equipment in a radioactive environment.)
*BT1 irradiation reactors
NT1 atr reactor
NT1 br-2 reactor
NT1 cp-2 reactor
NT1 dido reactor
NT1 dmtr reactor
NT1 dr-3 reactor
NT1 el-3 reactor
NT1 ewg-1 reactor
NT1 frg-2 reactor
NT1 frj-2 reactor
NT1 ga siwabessy reactor
NT1 gleep reactor
NT1 hanaro reactor
NT1 hector reactor
NT1 hfetr reactor
NT1 hfr reactor
NT1 hifar reactor
NT1 hwctr reactor
NT1 hwrr reactor
NT1 igr reactor
NT1 jmtr reactor
NT1 jrr-3 reactor
NT1 jrr-3m reactor
NT1 kstr reactor
NT1 lpr reactor
NT1 merlin reactor
NT1 mtr reactor
NT1 nbsr reactor
NT1 nrx reactor
NT1 osiris reactor
NT1 pbr reactor
NT1 pluto reactor
NT1 r-2 reactor
NT1 rv-1 reactor
NT1 sm-2 reactor
NT1 taiwan research reactor
NT1 triga-1-hanford reactor
NT1 wr-1 reactor
NT1 wwr-m-kiev reactor
NT1 wwr-m-leningrad reactor
NT1 zephyr reactor

MATERIALS WORKING
(Covers metal and non-metal working.)
UF *forming (materials)*
UF *working (materials)*
BT1 fabrication
NT1 canning
NT1 cold working
NT2 shot peening
NT1 drawing
NT1 explosive forming
NT1 extrusion
NT2 coextrusion
NT1 forging
NT1 hot working
NT1 magnetic forming
NT1 pressing
NT2 cold pressing
NT2 hot pressing
NT1 rolling
NT1 swaging
NT1 thermomechanical treatments
RT casting
RT deformation
RT machining
RT materials
RT molding

MATHEMATICAL EVOLUTION
Jun 2003
(Development of an algorithm, formula, analytic function, series expansion or mathematical model from a simple approach to a more advanced, complex, sophisticated form)
BT1 evolution
RT algorithms
RT analytic functions
RT asymptotic solutions
RT functional analysis
RT mathematical models
RT series expansion

MATHEMATICAL LOGIC
INIS: Jul 1986; ETDE: Nov 1975
UF *logic (mathematics)*
UF *symbolic logic*
NT1 algorithms
NT1 fuzzy logic
RT mathematical models
RT mathematical solutions
RT mathematics
RT system failure analysis

MATHEMATICAL MANIFOLDS
NT1 complex manifolds
NT1 convex manifolds
NT1 smooth manifolds
RT graph theory
RT mathematical space
RT mathematics
RT measure theory
RT topological mapping
RT topology

MATHEMATICAL MODELS
(From September 1982 till March 1997 OPERATIONS RESEARCH was a valid ETDE descriptor.)
UF *models (mathematical)*
UF+ *thermal-nelson model*
SF *operations research*
NT1 atomic models
NT2 thomas-fermi model
NT1 box models
NT1 climate models
NT1 cosmological models
NT2 inflationary universe
NT1 crystal models
NT2 heisenberg model
NT2 hubbard model
NT2 ising model
NT1 electron-promotion model
NT1 flow models
NT1 general circulation models
NT1 harmonic oscillator models
NT1 molecular models
NT2 thermodynamic molecular model
NT1 nuclear models
NT2 black nucleus model
NT2 brueckner model
NT2 cloudy crystal ball model
NT2 cluster model
NT2 coherent tube model
NT2 collective model
NT3 rotation-vibration model
NT2 cranking model
NT2 davydov-filipov model
NT2 droplet model
NT2 elliot model
NT2 evaporation model
NT3 weisskopf model
NT2 exciton model
NT2 fermi gas model
NT2 folding model
NT2 goldberger model
NT2 lane-thomas-wigner model
NT2 liquid drop model
NT2 nilsson-mottelson model
NT2 nuclear fireball model
NT2 order-disorder model
NT2 particle-core coupling model
NT2 particle-hole model
NT2 perey-buck model
NT2 quartet model
NT2 quasiparticle-phonon model
NT2 scission-point model
NT2 shell models
NT3 governor model
NT3 interacting boson model
NT3 multi-center shell model
NT2 single-particle model
NT2 spherical model
NT2 strong-absorption model
NT2 superfluid model
NT2 unified model
NT2 valency model
NT2 vibron model
NT2 vmi model
NT2 walecka model

NT2 weak-coupling model
NT1 optical models
NT1 particle models
NT2 coherent tube model
NT2 composite models
NT3 bootstrap model
NT3 cim model
NT3 parton model
NT3 quark model
NT4 bag model
NT4 color model
NT4 flavor model
NT4 string models
NT5 superstring models
NT2 correlated-particle models
NT2 diffraction models
NT2 dual absorption model
NT2 extended particle model
NT3 bag model
NT3 string models
NT4 superstring models
NT2 feynman gas model
NT2 fireball model
NT2 gluon model
NT2 hard collision models
NT2 higgs model
NT2 isobar model
NT2 jet model
NT2 lee model
NT2 linear absorption models
NT2 nova model
NT2 octet model
NT2 peripheral models
NT3 baryon-exchange models
NT3 boson-exchange models
NT4 obe model
NT5 ope model
NT6 electric born model
NT4 sigma model
NT3 multiperipheral model
NT4 cluster emission model
NT5 space-time model
NT2 strong-coupling model
NT2 tensor dominance model
NT2 thermodynamic model
NT3 hydrodynamic model
NT2 uncorrelated-particle model
NT2 unified gauge models
NT3 grand unified theory
NT4 standard model
NT3 weinberg-salam gauge model
NT2 van hove model
NT2 vector dominance model
NT2 veneziano model
NT3 dual resonance model
NT1 star models
NT1 statistical models
NT2 feynman gas model
NT2 thermodynamic model
NT3 hydrodynamic model
RT bifurcation
RT biological models
RT comparative evaluations
RT computer calculations
RT computer-aided design
RT dynamic programming
RT energy models
RT exact solutions
RT functional models
RT fuzzy logic
RT hypothesis
RT linear programming
RT mathematical evolution
RT mathematical logic
RT microcosms
RT mockup
RT nonlinear programming
RT parametric analysis
RT projection series
RT response functions
RT scaling laws
RT sensitivity analysis
RT structural models
RT time-series analysis
RT validation

MATHEMATICAL OPERATORS

UF *operators (mathematical)*
NT1 casimir operators
NT1 hermitian operators
NT1 laplacian
NT1 projection operators
NT1 quantum operators
NT2 angular momentum operators
NT3 orbital momentum operators
NT3 pauli spin operators
NT2 annihilation operators
NT2 commutators
NT3 current commutators
NT4 sigma terms
NT2 creation operators
NT2 dirac operators
NT2 field operators
NT2 hamiltonians
NT2 linear momentum operators
NT2 moshinsky transformation
NT2 position operators
NT1 superoperators
RT commutation relations
RT density matrix
RT digital frequency analysis
RT eigenvalues
RT eigenvectors
RT mathematics
RT quantum mechanics
RT transfer matrix method

MATHEMATICAL SOLUTIONS

Jun 2003
NT1 analytical solution
NT1 asymptotic solutions
NT1 exact solutions
NT1 numerical solution
NT2 extrapolation
NT2 finite difference method
NT2 finite element method
NT3 boundary element method
NT2 interpolation
NT2 maximum-likelihood fit
NT3 least square fit
NT2 runge-kutta method
RT algorithms
RT calculation methods
RT equations
RT mathematical logic
RT mathematics

MATHEMATICAL SPACE

BT1 space
NT1 banach space
NT2 hilbert space
NT1 hausdorff space
NT1 minkowski space
NT1 phase space
NT1 riemann space
NT2 euclidean space
RT chaos theory
RT differential geometry
RT fock representation
RT functional analysis
RT geodesics
RT graph theory
RT lobachevsky geometry
RT mathematical manifolds
RT mathematics
RT measure theory
RT metrics
RT space dependence
RT space-time

MATHEMATICS

NT1 algebra
NT1 chaos theory
NT1 differential calculus
NT1 functional analysis
NT1 geometry
NT2 differential geometry
NT2 lobachevsky geometry
NT1 global analysis
NT1 graph theory
NT1 group theory
NT1 integral calculus
NT1 measure theory
NT1 numerical analysis
NT1 prony method
NT1 set theory
NT1 statistics
NT2 game theory
NT2 kriging
NT2 multivariate analysis
NT2 regression analysis
NT2 time-series analysis
NT1 topology
NT2 differential topology
RT algorithms
RT anharmonic oscillators
RT bethe-tait method
RT boundary element method
RT canonical transformations
RT conformal mapping
RT convergence
RT coordinates
RT differential equations
RT eigenvectors
RT equations
RT extrapolation
RT extreme-value problems
RT factorization
RT finite difference method
RT finite element method
RT four-dimensional calculations
RT fourier analysis
RT functions
RT galerkin-petrov method
RT gamma function
RT geodesy
RT harmonic oscillators
RT integral equations
RT integral transformations
RT integrals
RT interpolation
RT iterative methods
RT many-dimensional calculations
RT mathematical logic
RT mathematical manifolds
RT mathematical operators
RT mathematical solutions
RT mathematical space
RT matrices
RT mesh generation
RT metrics
RT network analysis
RT newton method
RT nodal expansion method
RT nonlinear problems
RT one-dimensional calculations
RT perturbation theory
RT phase space
RT polynomials
RT power series
RT quasilinear problems
RT queues
RT regge calculus
RT runge-kutta method
RT saddle-point method
RT scalars
RT series expansion

RT spherical harmonics
RT spline functions
RT superconvergence relations
RT tensors
RT three-dimensional calculations
RT two-dimensional calculations
RT variational methods
RT vectors
RT weierstrass functions

MATHIEU EQUATION
*BT1 differential equations

MATING
RT behavior
RT reproduction
RT sex

MATRICES
NT1 density matrix
NT1 g matrix
NT1 hermitian matrix
NT1 k matrix
NT1 kobayashi-maskawa matrix
NT1 nuclear matrix
NT1 r matrix
NT1 s matrix
RT mathematics
RT matrix elements
RT metrics
RT secular equation

MATRIX ELEMENTS
RT brillouin theorem
RT matrices

MATRIX ISOLATION
INIS: Aug 1978; ETDE: Oct 1978
(Method for investigating chemical, physical, spectroscopic and other properties of reactive species of atoms or molecules while trapped in matrices at low temperatures.)
RT atoms
RT clathrates
RT molecular structure
RT molecules
RT spectroscopy

MATRIX MATERIALS
UF *electrolyte tiles*
BT1 materials
RT fuel cells
RT fuel elements
RT graphite
RT reactor materials
RT resins

MATSUKAWA GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Jan 1975
BT1 geothermal fields
RT hachimantai
RT japan
RT vapor-dominated systems

MATTER
NT1 antimatter
NT2 antinuclei
NT3 antideuterons
NT3 antiprotons
NT3 antitritons
NT2 antiparticles
NT3 antibaryons
NT4 antihyperons
NT5 antilambda particles
NT5 antiomega particles
NT5 antisigma particles
NT5 antixi particles
NT4 antinucleons
NT5 antineutrons
NT5 antiprotons
NT3 antikaons
NT4 antikaons neutral
NT3 antileptons
NT4 antineutrinos
NT5 electron antineutrinos
NT5 muon antineutrinos
NT4 muons plus
NT4 positrons
NT5 cosmic positrons
NT3 antimesons
NT4 pseudoscalar antimesons
NT5 anti-b neutral mesons
NT5 anti-d neutral mesons
NT1 nonluminous matter
NT1 nuclear matter
NT1 organic matter
NT2 kerogen
NT2 peat
NT1 quark matter
NT1 volatile matter
RT ambiplasma
RT cosmology
RT rheology

MATTHIESSEN RULE
RT electric conductivity
RT thermal conductivity

MATURATION
INIS: May 1984; ETDE: Aug 1977
UF *thermal alteration*
RT petroleum

MAURITANIA
BT1 africa
BT1 arab countries
BT1 developing countries

MAURITIUS
INIS: Jun 1992; ETDE: May 1981
BT1 islands
RT indian ocean

max-planck-institut fuer plasmaphysik
Use ipp garching

MAXIMUM ACCEPTABLE CONTAMINATION
UF *mac*
*BT1 contamination regulations
*BT1 safety standards
RT contamination

MAXIMUM CREDIBLE ACCIDENT
UF *mca*
*BT1 design basis accidents
RT health hazards
RT reactor safety

MAXIMUM INHALATION QUANTITY
UF *miq*
*BT1 safety standards
RT inhalation
RT radioactivity

MAXIMUM-LIKELIHOOD FIT
*BT1 numerical solution
NT1 least square fit
RT probability
RT statistics

MAXIMUM PERMISSIBLE ACTIVITY
UF *mpa*
*BT1 safety standards
RT activity levels
RT radioactivity

MAXIMUM PERMISSIBLE BODY BURDEN
UF *mpbb*
*BT1 safety standards
RT body burden
RT radioactivity
RT retention

MAXIMUM PERMISSIBLE CONCENTRATION
UF *mpc*
*BT1 safety standards

MAXIMUM PERMISSIBLE DOSE
UF *mpd*
*BT1 safety standards
RT dose limits
RT maximum permissible exposure
RT radiation doses

MAXIMUM PERMISSIBLE EXPOSURE
UF *mpe*
*BT1 safety standards
RT integral doses
RT maximum permissible dose
RT radiation doses

MAXIMUM PERMISSIBLE INTAKE
UF *mpi*
*BT1 safety standards
RT intake
RT radioactivity

MAXIMUM PERMISSIBLE LEVEL
UF *mpl*
*BT1 safety standards
RT radioactivity

maxwell-boltzmann distribution
Use boltzmann statistics

maxwell-boltzmann equation
Use boltzmann equation

maxwell-boltzmann statistics
Use boltzmann statistics

maxwell-boltzmann system
See boltzmann-vlasov equation

maxwell distribution
Use boltzmann statistics

MAXWELL EQUATIONS
*BT1 partial differential equations
RT born-infeld theory
RT electrodynamics
RT electromagnetic fields
RT field equations
RT poynting theorem

maxwell statistics
Use boltzmann statistics

maxwell velocity distribution
Use boltzmann statistics

mayaguez puerto rico l-77 reactor
Use prnc-l-77 reactor

mayaguez puerto rico pool reactor
Use prpr reactor

MAYAK PLANT
INIS: Jun 1996; ETDE: Jun 1996
BT1 nuclear facilities
RT fuel reprocessing plants

RT russian federation

mayflies
Use ephemeroptera

mbe
Use molecular beam epitaxy

MBP
INIS: Aug 1988; ETDE: Oct 1982
UF *monobutyl phosphate*
*BT1 butyl phosphates

MC GUIRE-1 REACTOR
(Cornelius, North Carolina, USA)
UF *w. b. mc guire-1 reactor*
*BT1 pwr type reactors

MC GUIRE-2 REACTOR
(Cornelius, North Carolina, USA)
UF *w. b. mc guire-2 reactor*
*BT1 pwr type reactors

mc master university nuclear reactor
Use mnr reactor

mca
Use maximum credible accident

mcdowell-wellman process
Use coal gasification

MCGILL SYNCHROCYCLOTRON
*BT1 synchrocyclotrons

mcmurdo sound medium power plant 3a
Use pm-3a reactor

mcpp
See dual-purpose power plants

MDPA
UF *monododecylphosphoric acid*
BT1 chelating agents
*BT1 organic acids
*BT1 phosphoric acid esters

MEA
UF *aminoethanethiol*
UF *cysteamine*
UF *mercamine*
UF *mercaptoethylamine*
*BT1 amines
*BT1 radioprotective substances
*BT1 thiols
RT cystamine

MEA LINAC
INIS: Oct 1976; ETDE: Nov 1976
(500 MeV linac at NIKHEF, Amsterdam.)
*BT1 linear accelerators

MEADOW FOAM
INIS: Dec 1991; ETDE: Mar 1982
UF *limnanthes alba*
*BT1 herbs
*BT1 magnoliopsida
RT hydrocarbons
RT lubricating oils

MEAN-FIELD THEORY
INIS: Aug 1984; ETDE: Feb 1984
(An approach for quantum-mechanical many-body problems by definition of a mean field which is derived from the interactions of single bodies.)
RT many-body problem
RT self-consistent field
RT statistical mechanics

MEAN FREE PATH
RT anomalons
RT cross sections
RT diffusion
RT geiger-nuttall law

mean life
Use lifetime

MEASLES
INIS: Jun 1976; ETDE: Aug 1976
UF *german measles*
UF *rubeola*
*BT1 viral diseases
RT measles virus

MEASLES VIRUS
INIS: Jun 1976; ETDE: Aug 1976
UF *rubella virus*
UF *rubeola virus*
*BT1 viruses
RT measles

MEASURE THEORY
(Relates to the property of sigma algebras or Borel fields referred to as measure.)
BT1 mathematics
RT graph theory
RT mathematical manifolds
RT mathematical space
RT metrics
RT periodicity

measured values
Use data

measurement while drilling
Use mwd systems

MEASURING INSTRUMENTS
(Use of a more specific term is recommended.)
UF *instruments (measuring)*
SF *tensiometers*
NT1 accelerometers
NT1 altimeters
NT1 anemometers
NT2 hot wire anemometers
NT2 laser doppler anemometers
NT1 bolometers
NT1 calorimeters
NT1 densimeters
NT2 pycnometers
NT1 diffractometers
NT2 gamma diffractometers
NT2 neutron diffractometers
NT2 x-ray diffractometers
NT1 displacement gages
NT1 dosemeters
NT2 albedo-neutron dosemeters
NT2 biological dosemeters
NT2 bragg gray chambers
NT2 calorimetric dosemeters
NT2 chemical dosemeters
NT2 colorimetric dosemeters
NT2 condenser ionization chambers
NT2 exoelectron dosemeters
NT2 extrapolation chambers
NT2 luminescent dosemeters
NT3 rpl dosemeters
NT3 thermoluminescent dosemeters
NT2 photographic film dosemeters
NT2 ritac dosemeters
NT2 ritad dosemeters
NT1 dynamometers
NT1 electric measuring instruments
NT2 ammeters
NT2 electrometers
NT2 electroscopes
NT2 galvanometers
NT2 potentiometers
NT2 power meters
NT2 voltmeters
NT1 ellipsometers
NT1 fire detectors
NT2 smoke detectors
NT1 fluorimeters
NT1 fluxmeters
NT2 squid devices
NT1 fuel gages
NT1 goniometers
NT1 interferometers
NT2 fabry-perot interferometer
NT2 mach-zehnder interferometer
NT2 michelson interferometer
NT1 ion-mobility detectors
NT1 level indicators
NT1 lysimeters
NT1 magnetic balances
NT1 magnetometers
NT2 fluxgate magnetometers
NT2 moving coil magnetometers
NT2 proton precession magnetometers
NT2 vibrating sample magnetometers
NT1 meters
NT2 activity meters
NT2 carbon meters
NT2 flowmeters
NT3 plasma eaters
NT2 gas meters
NT2 heat meters
NT2 hydrogen meters
NT2 oxygen meters
NT2 power meters
NT2 reactivity meters
NT2 sulfur meters
NT2 tritium meters
NT1 moisture gages
NT1 monitors
NT2 air pollution monitors
NT2 beam monitors
NT3 beam scanners
NT3 faraday cups
NT3 magnetoinduction sensors
NT2 failed element monitors
NT2 radiation monitors
NT3 exposure ratemeters
NT3 liquid contamination monitors
NT3 neutron monitors
NT3 surface contamination monitors
NT3 survey monitors
NT2 water pollution monitors
NT1 multispectral scanners
NT1 neutron activation analyzers
NT1 noise dosemeters
NT1 nuclear reaction analyzers
NT1 odorometers
NT1 penetrometers
NT1 photometers
NT2 densitometers
NT1 porosimeters
NT1 potentiostats
NT1 pressure gages
NT2 barometers
NT2 hot-wire gages
NT3 pirani gages
NT2 vacuum gages
NT3 ionization gages
NT4 bayard-alpert gages
NT4 philips gages
NT4 radioactive ionization gages
NT3 knudsen gages
NT3 pirani gages
NT1 pyranometers
NT1 pyrheliometers
NT1 pyrometers
NT2 optical pyrometers
NT1 radiation detectors
NT2 chemical radiation detectors

NT2 cherenkov counters
NT2 compton diode detectors
NT2 corona counters
NT2 crystal counters
NT3 filament crystal counters
NT2 dielectric track detectors
NT2 directional radiation detectors
NT2 electron multiplier detectors
NT2 emanometers
NT2 fermilab collider detector
NT2 flow counters
NT2 four-pi detectors
NT2 gas track detectors
NT3 bubble chambers
NT4 cryogenic bubble chambers
NT4 heavy liquid bubble chambers
NT4 ultrasonic bubble chambers
NT3 cloud chambers
NT4 diffusion chambers
NT4 expansion chambers
NT3 spark chambers
NT4 filmless spark chambers
NT5 sonic spark chambers
NT5 wire spark chambers
NT4 projection spark chambers
NT4 streamer spark chambers
NT4 wide gap spark chambers
NT2 geiger-mueller counters
NT2 gravitational wave detectors
NT2 ionization chambers
NT3 boron coated ion chambers
NT3 bragg gray chambers
NT3 condenser ionization chambers
NT3 extrapolation chambers
NT3 fission chambers
NT3 liquid ionization chambers
NT3 multiwire ionization chambers
NT2 low level counters
NT2 neutron detectors
NT3 activation detectors
NT3 bf3 counters
NT3 boron coated ion chambers
NT3 boron lined counters
NT3 fission chambers
NT3 fission foil detectors
NT3 fission thermocouple detectors
NT3 he-3 counters
NT3 moderating detectors
NT4 bonner sphere detectors
NT4 long counters
NT3 proton recoil detectors
NT3 self-powered neutron detectors
NT3 threshold detectors
NT2 photographic film detectors
NT2 position sensitive detectors
NT2 proportional counters
NT3 bf3 counters
NT3 boron lined counters
NT3 he-3 counters
NT3 liquid proportional counters
NT3 multiwire proportional chambers
NT4 drift chambers
NT5 time projection chambers
NT3 needle chambers
NT2 pyroelectric detectors
NT2 radiometers
NT2 scintillation counters
NT3 gas scintillation detectors
NT3 liquid scintillation detectors
NT3 scintillator-photodiode detectors
NT3 solid scintillation detectors
NT4 bgo detectors
NT4 nai detectors
NT4 plastic scintillation detectors
NT2 secondary emission detectors
NT2 self-powered detectors
NT3 self-powered gamma detectors
NT3 self-powered neutron detectors
NT2 semiconductor detectors
NT3 bulk semiconductor detectors
NT3 cdte semiconductor detectors
NT3 ge semiconductor detectors
NT4 high-purity ge detectors
NT4 li-drifted ge detectors
NT3 hgi2 semiconductor detectors
NT3 insb semiconductor detectors
NT3 junction detectors
NT4 li-drifted junction detectors
NT3 li-drifted detectors
NT4 li-drifted ge detectors
NT4 li-drifted junction detectors
NT4 li-drifted si detectors
NT3 si semiconductor detectors
NT4 li-drifted si detectors
NT3 surface barrier detectors
NT2 shower counters
NT2 spark counters
NT2 stanford linear collider detector
NT2 superconducting colloid detectors
NT2 tissue-equivalent detectors
NT2 transition radiation detectors
NT2 wall-less counters
NT2 whole-body counters
NT1 radiometric gages
NT2 electron-capture detectors
NT1 range finders
NT2 radar
NT3 acoustic radar
NT3 optical radar
NT2 sonar
NT1 riometers
NT1 sedimentometers
NT1 seismic arrays
NT1 seismic detectors
NT1 seismographs
NT1 spectrometers
NT2 alpha spectrometers
NT2 beta spectrometers
NT2 cosmic ray spectrometers
NT2 electron spectrometers
NT2 electrostatic spectrometers
NT2 epr spectrometers
NT2 fission fragment spectrometers
NT2 fourier transform spectrometers
NT2 gamma spectrometers
NT3 compton spectrometers
NT3 moessbauer spectrometers
NT3 pair spectrometers
NT2 heavy ion spectrometers
NT2 infrared spectrometers
NT3 photoacoustic spectrometers
NT2 magnetic spectrometers
NT3 flat magnetic spectrometers
NT3 magnetic lens spectrometers
NT2 mass spectrometers
NT3 dynamic mass spectrometers
NT4 energy balance mass spectrometers
NT4 time-of-flight mass spectrometers
NT3 spark mass spectrometers
NT3 static mass spectrometers
NT2 missing-mass spectrometers
NT2 multiparticle spectrometers
NT2 neutral particle analyzers
NT2 neutron spectrometers
NT3 bonner sphere spectrometers
NT2 nmr spectrometers
NT2 optical spectrometers
NT2 proton spectrometers
NT2 time-of-flight spectrometers
NT3 time-of-flight mass spectrometers
NT2 ultraviolet spectrometers
NT2 x-ray spectrometers
NT1 spectrophotometers
NT1 strain gages
NT1 thermocouples
NT1 thermometers
NT2 geothermometers
NT2 noise thermometers
NT1 thickness gages
NT1 time interval analyzers
NT2 chronotrons
NT1 velocimeters
NT1 viscosimeters
NT1 weight indicators
NT2 balances
NT3 microbalances
RT dna sequencers
RT gyroscopes
RT ionosondes
RT miniaturization
RT nisus facility
RT on-line measurement systems
RT probes
RT reactor instrumentation
RT recording systems
RT response functions
RT temperature measurement
RT time measurement
RT transducers

MEASURING METHODS

(Important new measuring techniques only.)
NT1 ellipsometry
NT1 thermography
NT2 infrared thermography
RT calculation methods
RT comparative evaluations
RT dosimetry
RT frequency measurement
RT master metering
RT metering
RT particle discrimination
RT stern-gerlach experiment

MEAT

UF *bacon*
UF *beef*
UF *ham*
UF *pork*
BT1 food
RT cattle
RT sheep
RT swine
RT trichinella

MEAT INDUSTRY

INIS: Apr 2000; ETDE: Jun 1977
*BT1 food industry

MECHANICAL DECLADDING

*BT1 decladding
RT cutting
RT milling

mechanical draft cooling towers

Use cooling towers
AND forced convection

mechanical effects

Use mechanical properties

MECHANICAL EFFICIENCY

BT1 efficiency
RT gears

MECHANICAL ENERGY STORAGE EQUIPMENT

INIS: Apr 2000; ETDE: Aug 1979
NT1 flywheels
NT1 hydraulic accumulators
RT energy storage
RT energy storage systems

MECHANICAL ENGINEERING

INIS: Jul 1993; ETDE: Jul 1982
BT1 engineering

MECHANICAL FILTERS
BT1 filters
NT1 granular bed filters

mechanical fragmentation
Use fragmentation

MECHANICAL HEART
BT1 artificial organs
*BT1 prostheses
RT blood circulation
RT cardiac pacemakers
RT heart
RT radioisotope batteries

MECHANICAL IMPEDANCE
INIS: Nov 1975; ETDE: Dec 1975
BT1 impedance

mechanical kidney
Use artificial organs
AND kidneys

MECHANICAL POLISHING
*BT1 polishing

MECHANICAL PROPERTIES
UF *mechanical effects*
UF *properties (mechanical)*
NT1 brittleness
NT1 compressibility
NT1 compression strength
NT1 creep
NT1 dilatancy
NT1 elasticity
NT2 photoelasticity
NT2 thermoelasticity
NT1 fatigue
NT2 corrosion fatigue
NT2 thermal fatigue
NT1 flexural strength
NT1 fracture properties
NT1 hardness
NT2 microhardness
NT1 impact strength
NT1 plasticity
NT1 poisson ratio
NT1 shear properties
NT1 tensile properties
NT2 ductility
NT2 flexibility
NT1 ultimate strength
NT1 wear resistance
NT1 yield strength
NT1 young modulus
RT acoustic microscopy
RT deformation
RT destructive testing
RT physical metallurgy
RT rheology
RT rock mechanics
RT stresses
RT thermal degradation

MECHANICAL SHAFTS
INIS: Sep 1976; ETDE: Feb 1987
(From January 1975 till March 1997 SHAFTS was a valid ETDE descriptor.)
UF *shafts (mechanical)*
SF *shafts*
BT1 machine parts

MECHANICAL STRUCTURES
UF *columns (mechanical)*
UF *structures (mechanics)*
UF *towers (structures)*
SF *towers*
NT1 bridges
NT1 domed structures
NT1 honeycomb structures
NT1 intake structures
NT1 outlet structures
NT1 power transmission towers
NT1 roofs
NT1 supports
NT2 foundations
NT2 fuel racks
NT2 powered supports
NT3 shield supports
RT buildings
RT construction
RT modular structures
RT ratcheting
RT response functions
RT shells
RT soil-structure interactions

MECHANICAL TESTS
(See also descriptors for the properties tested.)
*BT1 materials testing
NT1 impact tests
NT2 charpy test
RT dynamic loads
RT static loads
RT strain gages
RT stress intensity factors
RT stresses
RT thermal cycling
RT wear

MECHANICAL TRANSMISSIONS
INIS: Mar 1992; ETDE: May 1975
BT1 machine parts
RT automobiles
RT gears
RT vehicles

MECHANICAL VIBRATIONS
(From February 1976 till March 1997 PENDULUMS was a valid ETDE descriptor.)
UF *vibrations (mechanical)*
SF *pendulums*
RT amplitudes
RT damping
RT dynamic loads
RT harmonics
RT hydrodynamic mass effect
RT oscillations
RT springs
RT standing waves
RT travelling waves

MECHANICS
UF *translation (mechanical)*
NT1 classical mechanics
NT1 dynamics
NT2 beam dynamics
NT3 beam bunching
NT3 betatron oscillations
NT3 phase oscillations
NT3 synchrotron oscillations
NT1 electromechanics
NT1 fluid mechanics
NT2 aerodynamics
NT2 electrogasdynamics
NT2 hydraulics
NT3 thermal hydraulics
NT2 hydrodynamics
NT3 electrohydrodynamics
NT3 magnetohydrodynamics
NT2 magnetogasdynamics
NT2 pneumatics
NT1 fracture mechanics
NT1 quantum mechanics
NT1 rock mechanics
NT1 soil mechanics
NT1 statistical mechanics
RT action integral
RT anharmonic oscillators
RT canonical transformations
RT center-of-mass system
RT degrees of freedom
RT equations of motion
RT galilei transformations
RT hamilton-jacobi equations
RT harmonic oscillators
RT kinetics
RT laboratory system
RT lagrange equations
RT lagrangian function
RT moment of inertia
RT physical metallurgy
RT surface forces
RT virial theorem

medec process
See lmfbr type reactors
OR radioactive waste processing

MEDIASTINUM
*BT1 chest
RT aorta
RT esophagus
RT heart
RT pleura
RT thymus
RT trachea

mediation
See arbitration
OR dispute settlements
OR negotiation

medical centers
Use medical establishments

MEDICAL ESTABLISHMENTS
INIS: Dec 1976; ETDE: Sep 1979
UF *medical centers*
NT1 hospitals
RT buildings
RT health services
RT public health

MEDICAL EXAMINATIONS
INIS: Dec 1976; ETDE: Jul 1978
BT1 medical surveillance
RT diagnosis
RT preventive medicine

MEDICAL PERSONNEL
BT1 personnel
NT1 radiological personnel
RT medicine

MEDICAL RECORDS
INIS: Dec 1976; ETDE: May 1979
RT medical surveillance

medical research reactor, bnl
Use mrr reactor

MEDICAL SUPPLIES
NT1 prostheses
NT2 mechanical heart
NT1 surgical materials
RT drugs
RT isomed
RT medicine

MEDICAL SURVEILLANCE
(Prior to May 1996 SURVEILLANCE was a valid ETDE descriptor.)
UF *surveillance (medical)*
SF *surveillance*
NT1 medical examinations
RT contamination
RT delayed radiation effects
RT dose commitments
RT medical records
RT personnel

RT personnel monitoring
RT preventive medicine
RT radiation doses

MEDICINAL PLANTS
UF+ *atropa belladonna*
BT1 plants
NT1 aloe
NT1 castor
NT1 digitalis
NT1 papaver somniferum
RT alkaloids
RT drugs

MEDICINE
UF *internal medicine*
NT1 acupuncture
NT1 balneology
NT1 dentistry
NT1 gynecology
NT1 hematology
NT1 industrial medicine
NT1 neurology
NT1 nuclear medicine
NT2 radiology
NT3 biomedical radiography
NT4 fluoroscopy
NT4 ionographic imaging
NT4 osteodensitometry
NT4 renography
NT3 radiotherapy
NT4 afterloading
NT4 brachytherapy
NT4 neutron therapy
NT5 neutron capture therapy
NT4 radioimmunotherapy
NT1 ophthalmology
NT1 pediatrics
NT1 preventive medicine
NT1 surgery
NT2 adrenalectomy
NT2 castration
NT2 gastrectomy
NT2 hepatectomy
NT2 hypophysectomy
NT2 laryngectomy
NT2 nephrectomy
NT2 plastic surgery
NT2 splenectomy
NT2 thymectomy
NT2 thyroidectomy
NT1 therapy
NT2 chemotherapy
NT2 combined therapy
NT2 first aid
NT2 gene therapy
NT2 immunotherapy
NT3 radioimmunotherapy
NT2 post-irradiation therapy
NT2 radiotherapy
NT3 afterloading
NT3 brachytherapy
NT3 neutron therapy
NT4 neutron capture therapy
NT3 radioimmunotherapy
NT2 transfusions
NT1 tropical medicine
NT1 veterinary medicine
RT anesthesia
RT biology
RT diagnosis
RT diagnostic techniques
RT diagnostic uses
RT diseases
RT hospitals
RT medical personnel
RT medical supplies
RT pathology
RT patients
RT who

medicines
Use drugs

mediterranean fruit fly
Use ceratitis capitata

MEDITERRANEAN SEA
*BT1 seas
NT1 adriatic sea
NT1 aegean sea
RT cyprus
RT malta

MEDIUM-BETA PLASMA
(Beta from 0.01 to 0.1.)
BT1 plasma
RT beta ratio

MEDIUM-HEAD HYDROELECTRIC POWER PLANTS
INIS: Dec 1993; ETDE: Aug 1978
(Heads of 15 to 150 meters.)
*BT1 hydroelectric power plants

medium-level wastes
Use intermediate-level radioactive wastes

medium pressure
See pressure range kilo pa
OR pressure range mega pa 01-10

medium temperature
Use temperature range 0273-0400 k

medium vacuum
See pressure range milli pa
OR pressure range pa

MEDIUM WAVE RADIATION
*BT1 radiowave radiation

MEETINGS
UF *conferences*
UF *symposia*
RT hearings
RT proceedings

MEG
UF *mercaptoethylguanidine*
*BT1 carbonic acid derivatives
*BT1 radioprotective substances
*BT1 thiols
RT guanidines

MEGA AMP BEAM CURRENTS
INIS: Oct 1976; ETDE: Jul 1976
(From 10 exp 6 to 10 exp 9 amp.)
*BT1 beam currents

megakaryocytes
Use bone marrow cells

MEGALOBLASTIC ANEMIA
*BT1 anemias
RT erythrocytes

megatron
Use linear pinch devices

MEGAWATT POWER RANGE
INIS: Apr 1988; ETDE: Aug 1989
BT1 power range
NT1 power range 01-10 mw
NT1 power range 10-100 mw
NT1 power range 100-1000 mw

mehrzweck-forschungsreaktor
Use mzfr reactor

meinzer unit
Use hydraulic conductivity

MEIOSIS
BT1 cell division
RT crossing-over
RT gametogenesis
RT gene recombination proteins
RT mutations

MEISSNER-OCHSENFELD EFFECT
RT superconductivity

MELAMINE
*BT1 amines
*BT1 triazines
RT organic polymers

MELANIN
UF+ *melanocytes*
*BT1 hydroxy compounds
*BT1 organic nitrogen compounds
BT1 pigments
RT hair
RT methyl tyrosine
RT skin
RT tyrosine

melanocytes
Use animal cells
AND melanin

MELANOMAS
*BT1 epitheliomas

MELANOVANADITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 radioactive minerals
RT calcium oxides
RT vanadium oxides

MELATONIN
*BT1 tryptamines
RT pineal gland

melekess-arbus reactor
Use arbus reactor

melekess-mir reactor
Use mir reactor

melekess-sm-2 reactor
Use sm-2 reactor

melibiose
Use disaccharides

melilotic acid
Use hydroxy acids

MELLIN TRANSFORM
*BT1 integral transformations

MELLITIC ACID
*BT1 carboxylic acids

MELOSH TRANSFORMATION
BT1 transformations
RT hadrons
RT quantum field theory
RT quarks

melt refining process
Use pyrochemical reprocessing

MELTDOWN
*BT1 reactor accidents
RT core catchers
RT corium
RT source terms

MELTING
(Changing a substance from solid to liquid form by addition of heat.)
UF *fusion (melting)*
BT1 phase transformations
NT1 electron beam melting
NT1 vacuum melting
NT1 zone melting
RT casting
RT crucibles
RT defrosting
RT freezing
RT furnaces
RT heating
RT liquefaction
RT melting points
RT metallurgical flux
RT smelting
RT solidification
RT subterrene penetrators
RT thawing
RT welding

MELTING POINTS
UF *freezing points*
*BT1 transition temperature
RT freeze protection
RT melting
RT phase diagrams

MELUSINE-1 REACTOR
(CEA-Grenoble Nuclear Studies Centre, Grenoble Cedex, France)
UF *grenoble reactor melusine-1*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

melusine-2 reactor
Use siloette reactor

MEMBER STATES
(Countries participating in an international organization.)
RT international organizations

MEMBRANE PORES
INIS: Apr 2000; ETDE: Aug 1985
RT cell membranes
RT membrane transport

MEMBRANE PROTEINS
INIS: Apr 2000; ETDE: Oct 1987
*BT1 proteins
NT1 porins
NT1 receptors
NT1 thylakoid membrane proteins
NT2 phycobiliproteins
NT3 phycocyanin
RT antigens
RT gtp-ases
RT lipoproteins
RT membrane transport

MEMBRANE TRANSPORT
INIS: Jul 1986; ETDE: Mar 1976
RT calmodulin
RT diffusion
RT mass transfer
RT membrane pores
RT membrane proteins
RT membranes
RT osmosis
RT porins
RT supported liquid membranes

MEMBRANES
UF+ *ion exchange membranes*
NT1 cell membranes
NT2 myelin
NT1 fetal membranes
NT2 placenta
NT1 meninges
NT1 mucous membranes
NT2 conjunctiva
NT1 photosynthetic membranes
NT1 serous membranes
NT2 mesentery
NT2 pericardium
NT2 peritoneum
NT2 pleura
NT1 supported liquid membranes
RT dialysis
RT membrane transport
RT osmosis
RT permeability

MEMORY DEVICES
UF *data storage devices*
UF *punched cards*
UF *storage devices (data)*
NT1 cryogenic storage devices
NT1 magnetic storage devices
NT2 magnetic cores
NT2 magnetic disks
NT2 magnetic drums
NT2 magnetic tapes
NT3 video tapes
NT1 semiconductor storage devices
NT1 thin film storage devices
RT punched tapes

MEMORY MANAGEMENT
INIS: Aug 1992; ETDE: Apr 1987
(The task of assigning a computer's main storage within a multitasking environment.)
*BT1 data processing
RT computers
RT executive codes
RT parallel processing
RT programming

MEN
BT1 males
*BT1 man
RT adults

mendeleev periodic system
Use periodic system

MENDELEVIUM
*BT1 actinides
*BT1 transplutonium elements

MENDELEVIUM 247
INIS: Jun 1986; ETDE: Mar 1982
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 mendelevium isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

MENDELEVIUM 248
INIS: Jul 1980; ETDE: Feb 1975
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 mendelevium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

MENDELEVIUM 249
INIS: Jan 1977; ETDE: Feb 1975
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 mendelevium isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

MENDELEVIUM 250
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 mendelevium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

MENDELEVIUM 251
INIS: Jan 1977; ETDE: Feb 1975
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 mendelevium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

MENDELEVIUM 252
*BT1 actinide nuclei
*BT1 electron capture radioisotopes
*BT1 mendelevium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

MENDELEVIUM 253
INIS: Jan 1977; ETDE: Nov 1976
*BT1 actinide nuclei
*BT1 electron capture radioisotopes
*BT1 mendelevium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

MENDELEVIUM 254
*BT1 actinide nuclei
*BT1 electron capture radioisotopes
*BT1 mendelevium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

MENDELEVIUM 255
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 mendelevium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei

MENDELEVIUM 256
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 mendelevium isotopes
*BT1 odd-odd nuclei

MENDELEVIUM 257
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 mendelevium isotopes
*BT1 odd-even nuclei

MENDELEVIUM 258
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 mendelevium isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei

MENDELEVIUM 259
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 hours living radioisotopes
*BT1 mendelevium isotopes

*BT1 odd-even nuclei
*BT1 spontaneous fission radioisotopes

MENDELEVIUM 260
INIS: Mar 1986; ETDE: Apr 1985
*BT1 actinide nuclei
*BT1 mendelevium isotopes
*BT1 odd-odd nuclei

MENDELEVIUM 261
INIS: Feb 1987; ETDE: May 1987
*BT1 actinide nuclei
*BT1 mendelevium isotopes
*BT1 odd-even nuclei

MENDELEVIUM ADDITIONS
INIS: Apr 2000; ETDE: Apr 1975
RT mendelevium compounds

MENDELEVIUM COMPLEXES
*BT1 actinide complexes
*BT1 transuranium complexes

MENDELEVIUM COMPOUNDS
UF+ *mendelevium oxides*
BT1 actinide compounds
*BT1 transplutonium compounds
RT mendelevium additions

mendelevium ions
Use ions

MENDELEVIUM ISOTOPES
BT1 isotopes
NT1 mendelevium 247
NT1 mendelevium 248
NT1 mendelevium 249
NT1 mendelevium 250
NT1 mendelevium 251
NT1 mendelevium 252
NT1 mendelevium 253
NT1 mendelevium 254
NT1 mendelevium 255
NT1 mendelevium 256
NT1 mendelevium 257
NT1 mendelevium 258
NT1 mendelevium 259
NT1 mendelevium 260
NT1 mendelevium 261

mendelevium oxides
Use mendelevium compounds
AND oxides

MENDOCINO-1 REACTOR
*BT1 bwr type reactors

MENDOCINO-2 REACTOR
*BT1 bwr type reactors

MENDOZA
*BT1 argentina

MENINGES
BT1 membranes
RT central nervous system
RT meningococcus

MENINGOCOCCUS
*BT1 bacteria
RT meninges
RT nervous system diseases

MENOMINEE RIVER
INIS: Apr 2000; ETDE: Dec 1980
*BT1 rivers
RT hydroelectric power plants
RT michigan
RT wisconsin

MENOPAUSE
RT age dependence
RT estrous cycle
RT fertility
RT menstrual cycle
RT menstruation disorders

menorrhagia
Use menstruation disorders

MENSTRUAL CYCLE
INIS: Oct 1984; ETDE: Nov 1984
RT estrous cycle
RT female genitals
RT fertility
RT menopause
RT menstruation disorders
RT ovulation
RT rhythmicity

MENSTRUATION DISORDERS
UF *amenorrhea*
UF *menorrhagia*
*BT1 urogenital system diseases
RT endocrine diseases
RT estrous cycle
RT female genitals
RT menopause
RT menstrual cycle
RT reproductive disorders

MENTAL DISORDERS
UF *psychoses*
RT behavior
RT brain
RT central nervous system agents
RT nervous system diseases
RT psychotropic drugs

meperidine
Use pethidine

merc process
Use coal gasification

mercamine
Use mea

mercaptans
Use thiols

mercaptoalanine-beta
Use cysteine

mercaptoaminoisovaleric acid
Use penicillamine

mercaptoethylamine
Use mea

mercaptoethylguanidine
Use meg

MERCAPTOPROPYLAMINE
*BT1 radioprotective substances

MERCAPTOPURINE
*BT1 antimetabolites
*BT1 purines
*BT1 thiols

mercaptovaline
Use penicillamine

MERCIER CRITERION
INIS: Oct 1985; ETDE: Nov 1985
RT flute instability
RT grad-shafranov equation
RT magnetohydrodynamics
RT plasma instability
RT suydam criterion

mercuric iodide detectors
Use hgi2 semiconductor detectors

MERCURY
*BT1 metals

MERCURY 175
INIS: Sep 1983; ETDE: Sep 1983
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 mercury isotopes
*BT1 milliseconds living radioisotopes

MERCURY 176
INIS: Sep 1983; ETDE: Sep 1983
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 mercury isotopes
*BT1 milliseconds living radioisotopes

MERCURY 177
INIS: May 1976; ETDE: Aug 1976
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 mercury isotopes
*BT1 milliseconds living radioisotopes

MERCURY 178
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 mercury isotopes
*BT1 milliseconds living radioisotopes

MERCURY 179
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 mercury isotopes
*BT1 seconds living radioisotopes

MERCURY 180
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 mercury isotopes
*BT1 seconds living radioisotopes

MERCURY 181
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 seconds living radioisotopes

MERCURY 182
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 seconds living radioisotopes

MERCURY 183
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 seconds living radioisotopes

MERCURY 184
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 seconds living radioisotopes

MERCURY 185
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 seconds living radioisotopes

MERCURY 186
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 minutes living radioisotopes

MERCURY 187
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 minutes living radioisotopes

MERCURY 188
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 minutes living radioisotopes

MERCURY 189
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 minutes living radioisotopes

MERCURY 190
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 minutes living radioisotopes

MERCURY 191
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 minutes living radioisotopes

MERCURY 192
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 mercury isotopes

MERCURY 193
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 mercury isotopes

MERCURY 193 TARGET
INIS: Sep 1992; ETDE: May 1981
BT1 targets

MERCURY 194
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 years living radioisotopes

MERCURY 195
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 mercury isotopes

MERCURY 196
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 stable isotopes

MERCURY 196 TARGET
INIS: Jun 1984; ETDE: Jul 1984
BT1 targets

MERCURY 197
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 mercury isotopes

MERCURY 198
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 stable isotopes

MERCURY 198 TARGET
BT1 targets

MERCURY 199
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 mercury isotopes
*BT1 minutes living radioisotopes
*BT1 stable isotopes

MERCURY 199 TARGET
BT1 targets

MERCURY 200
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 stable isotopes

MERCURY 200 TARGET
BT1 targets

MERCURY 201
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 mercury isotopes
*BT1 microseconds living radioisotopes
*BT1 stable isotopes

MERCURY 201 TARGET
BT1 targets

MERCURY 202
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 stable isotopes

MERCURY 202 TARGET
BT1 targets

MERCURY 203
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes

MERCURY 204
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 stable isotopes

MERCURY 204 TARGET
BT1 targets

MERCURY 205
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 minutes living radioisotopes

MERCURY 206
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes
*BT1 minutes living radioisotopes

MERCURY 206 TARGET
INIS: May 1980; ETDE: May 1980
BT1 targets

MERCURY 207
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes

MERCURY 208
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes

MERCURY 209
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes

MERCURY 210
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes

MERCURY 211
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes

MERCURY 212
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 mercury isotopes

MERCURY ADDITIONS
(Alloys containing not more than 1% Hg are listed here.)
*BT1 mercury alloys

MERCURY ALLOYS
(Alloys containing more than 1% Hg.)
UF *amalgams*
BT1 alloys
NT1 mercury additions
NT1 mercury base alloys

MERCURY BASE ALLOYS
*BT1 mercury alloys

MERCURY BROMIDES
*BT1 bromides
*BT1 mercury halides

MERCURY CHLORIDES
*BT1 chlorides
*BT1 mercury halides

MERCURY COMPLEXES
BT1 complexes

MERCURY COMPOUNDS
NT1 mercury halides
NT2 mercury bromides
NT2 mercury chlorides
NT2 mercury fluorides
NT2 mercury iodides
NT1 mercury hydrides
NT1 mercury nitrates
NT1 mercury oxides
NT1 mercury perchlorates
NT1 mercury selenides
NT1 mercury sulfates
NT1 mercury sulfides
NT1 mercury tellurides
RT organic mercury compounds

MERCURY COOLED REACTORS
*BT1 liquid metal cooled reactors
NT1 clementine reactor
NT1 sbr-2 reactor

MERCURY FLUORIDES
*BT1 fluorides
*BT1 mercury halides

MERCURY HALIDES
INIS: Nov 1988; ETDE: Feb 1975
*BT1 halides
BT1 mercury compounds
NT1 mercury bromides
NT1 mercury chlorides
NT1 mercury fluorides
NT1 mercury iodides

MERCURY HYDRIDES
INIS: Mar 1987; ETDE: Nov 1987
*BT1 hydrides
BT1 mercury compounds

MERCURY IODIDES
*BT1 iodides
*BT1 mercury halides

MERCURY IONS
*BT1 ions

MERCURY ISOTOPES
BT1 isotopes
NT1 mercury 175
NT1 mercury 176
NT1 mercury 177
NT1 mercury 178
NT1 mercury 179
NT1 mercury 180
NT1 mercury 181
NT1 mercury 182
NT1 mercury 183
NT1 mercury 184
NT1 mercury 185
NT1 mercury 186
NT1 mercury 187
NT1 mercury 188
NT1 mercury 189
NT1 mercury 190
NT1 mercury 191
NT1 mercury 192
NT1 mercury 193
NT1 mercury 194
NT1 mercury 195
NT1 mercury 196
NT1 mercury 197
NT1 mercury 198
NT1 mercury 199
NT1 mercury 200
NT1 mercury 201
NT1 mercury 202
NT1 mercury 203
NT1 mercury 204
NT1 mercury 205
NT1 mercury 206
NT1 mercury 207
NT1 mercury 208
NT1 mercury 209
NT1 mercury 210
NT1 mercury 211
NT1 mercury 212

MERCURY NITRATES
BT1 mercury compounds
*BT1 nitrates

MERCURY OXIDES
BT1 mercury compounds
*BT1 oxides

MERCURY PERCHLORATES
INIS: Apr 2000; ETDE: Mar 1978
BT1 mercury compounds
*BT1 perchlorates

MERCURY PLANET
BT1 planets

MERCURY SELENIDES
INIS: Mar 1976; ETDE: Apr 1975
BT1 mercury compounds
*BT1 selenides

MERCURY SULFATES
BT1 mercury compounds
*BT1 sulfates

MERCURY SULFIDES
BT1 mercury compounds
*BT1 sulfides
RT sulfide minerals

MERCURY TELLURIDES
BT1 mercury compounds
*BT1 tellurides

MERISTEMS
UF *cambium*
BT1 plant tissues

merlin-juelich reactor
Use frj-1 reactor

MERLIN REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *aldermaston reactor merlin*
UF *ukaea-merlin reactor*
*BT1 enriched uranium reactors
*BT1 materials testing reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

MERONS
INIS: Feb 1983; ETDE: Oct 1978
(Class of solutions of certain field equations; merons appear as particles with one-half unit of topological charge.)
BT1 quasi particles
RT field equations
RT instantons
RT quark model
RT thirring model

MESENTERY
UF *omentum*
*BT1 serous membranes
RT peritoneum
RT small intestine

MESH GENERATION
INIS: Oct 1982; ETDE: Dec 1979
(Procedure of preparing coordinate grid for complex calculations, e.g. neutron transport calculations.)
RT boundary element method
RT computer calculations
RT coordinates
RT finite difference method
RT finite element method
RT mathematics
RT nodal expansion method

MESIC ATOMS
UF *mesoatoms*
*BT1 hadronic atoms
NT1 kaonic atoms
NT1 pionic atoms
RT mesic molecules
RT mesons
RT muonic atoms
RT pi-k atoms
RT pi-mu atoms

MESIC MOLECULES
BT1 molecules
NT1 muonic molecules
RT mesic atoms
RT mesons

MESITYL RADICALS
*BT1 aryl radicals

MESITYLENE
UF *1,3,5-trimethylbenzene*
UF *trimethylbenzene-sym*
*BT1 alkylated aromatics
*BT1 hydrocarbons

mesoatoms
Use mesic atoms

mesocricetus
Use hamsters

MESODIALYTE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 silicate minerals
RT niobium silicates
RT zirconium silicates

MESON-BARYON INTERACTIONS
*BT1 hadron-hadron interactions
NT1 meson-hyperon interactions
NT2 kaon-hyperon interactions
NT2 pion-hyperon interactions
NT1 meson-nucleon interactions
NT2 kaon-nucleon interactions
NT3 kaon-neutron interactions
NT4 kaon minus-neutron interactions
NT4 kaon neutral-neutron interactions
NT4 kaon plus-neutron interactions
NT3 kaon-proton interactions

NT4 kaon minus-proton interactions
NT4 kaon neutral-proton interactions
NT4 kaon plus-proton interactions
NT2 pion-nucleon interactions
NT3 pion-neutron interactions
NT4 pion minus-neutron interactions
NT4 pion plus-neutron interactions
NT3 pion-proton interactions
NT4 pion minus-proton interactions
NT4 pion plus-proton interactions

MESON BEAMS

*BT1 particle beams
NT1 eta meson beams
NT1 kaon beams
NT1 pion beams

meson-deuteron interactions

Use deuterium target
AND meson reactions

meson exchange

Use boson-exchange models

MESON FACTORIES

BT1 accelerators
NT1 lampf ii synchrotron
NT1 lampf linac
NT1 pigmi facilities

MESON-HYPERON INTERACTIONS

*BT1 meson-baryon interactions
NT1 kaon-hyperon interactions
NT1 pion-hyperon interactions

MESON-MESON INTERACTIONS

*BT1 hadron-hadron interactions
NT1 kaon-kaon interactions
NT1 pion-kaon interactions
NT1 pion-pion interactions

MESON NONETS

*BT1 particle multiplets
RT pseudoscalar mesons
RT tensor mesons
RT vector mesons

MESON-NUCLEON INTERACTIONS

*BT1 meson-baryon interactions
NT1 kaon-nucleon interactions
NT2 kaon-neutron interactions
NT3 kaon minus-neutron interactions
NT3 kaon neutral-neutron interactions
NT3 kaon plus-neutron interactions
NT2 kaon-proton interactions
NT3 kaon minus-proton interactions
NT3 kaon neutral-proton interactions
NT3 kaon plus-proton interactions
NT1 pion-nucleon interactions
NT2 pion-neutron interactions
NT3 pion minus-neutron interactions
NT3 pion plus-neutron interactions
NT2 pion-proton interactions
NT3 pion minus-proton interactions
NT3 pion plus-proton interactions

MESON OCTETS

*BT1 particle multiplets

MESON REACTIONS

UF+ *meson-deuteron interactions*
*BT1 charged-particle reactions
*BT1 hadron reactions
NT1 kaon reactions
NT2 kaon minus reactions
NT2 kaon neutral reactions
NT2 kaon plus reactions
NT1 pion reactions
NT2 pion minus reactions
NT2 pion plus reactions

meson resonances

Use mesons

MESON SPECTROSCOPY

BT1 spectroscopy
RT mesons

MESONS

UF *a resonances*
UF *a2h-1320 resonances*
UF *a2l-1280 resonances*
UF *c-1430 resonances*
UF *chi resonances*
UF *chi-2800 resonances*
UF *chi-3455 resonances*
UF *delta resonances (meson)*
UF *epsilon resonances*
UF *eta-700 resonances*
UF *f-1540 resonances*
UF *kappa-725 resonances*
UF *meson resonances*
UF *omega-1778 resonances*
UF *pi-1016 resonances*
UF *psi resonances*
UF *psi-4300 resonances*
UF *r-1650 resonances*
UF *rho-1500 resonances*
UF *rho-1700 resonances*
UF *s-1000 resonances*
UF *x-2830 resonances*
BT1 bosons
*BT1 hadrons
NT1 antimesons
NT2 pseudoscalar antimesons
NT3 anti-b neutral mesons
NT3 anti-d neutral mesons
NT1 axial vector mesons
NT2 a1-1260 mesons
NT2 b1-1235 mesons
NT2 chi b1-9890 mesons
NT2 chi1-3510 mesons
NT2 d s-2536 mesons
NT2 d1-2420 mesons
NT2 f1-1285 mesons
NT2 f1-1420 mesons
NT2 f1-1510 mesons
NT2 h1-1170 mesons
NT2 k1-1270 mesons
NT2 k1-1400 mesons
NT1 baryonium
NT1 beauty mesons
NT2 b c mesons
NT2 b mesons
NT3 b minus mesons
NT3 b neutral mesons
NT4 anti-b neutral mesons
NT3 b plus mesons
NT2 b s mesons
NT2 b*-5325 mesons
NT1 bottomonium
NT2 chi b0-10235 mesons
NT2 chi b0-9860 mesons
NT2 chi b1-10255 mesons
NT2 chi b1-9890 mesons
NT2 chi b2-10270 mesons
NT2 chi b2-9915 mesons
NT2 upsilon-10023 mesons
NT2 upsilon-10355 mesons
NT2 upsilon-10580 mesons
NT2 upsilon-10860 mesons
NT2 upsilon-11020 mesons
NT2 upsilon-9460 mesons
NT1 charmed mesons
NT2 b c mesons
NT2 d mesons
NT3 d minus mesons
NT3 d neutral mesons
NT4 anti-d neutral mesons
NT3 d plus mesons
NT2 d s mesons
NT2 d s-2536 mesons
NT2 d*-2010 mesons
NT2 d*2-2460 mesons
NT2 d*s-2110 mesons
NT2 d1-2420 mesons
NT1 charmonium
NT2 chi0-3415 mesons
NT2 chi1-3510 mesons
NT2 chi2-3555 mesons
NT2 eta c-2980 mesons
NT2 eta c-3590 mesons
NT2 j psi-3097 mesons
NT2 psi-3685 mesons
NT2 psi-3770 mesons
NT2 psi-4040 mesons
NT2 psi-4160 mesons
NT2 psi-4415 mesons
NT1 pomeranchuk particles
NT1 pseudoscalar mesons
NT2 b c mesons
NT2 b mesons
NT3 b minus mesons
NT3 b neutral mesons
NT4 anti-b neutral mesons
NT3 b plus mesons
NT2 b s mesons
NT2 d mesons
NT3 d minus mesons
NT3 d neutral mesons
NT4 anti-d neutral mesons
NT3 d plus mesons
NT2 d s mesons
NT2 eta c-2980 mesons
NT2 eta mesons
NT2 eta prime-958 mesons
NT2 eta-1295 mesons
NT2 eta-1440 mesons
NT2 k-1460 mesons
NT2 k-1830 mesons
NT2 kaons
NT3 antikaons
NT4 antikaons neutral
NT3 cosmic kaons
NT3 kaons minus
NT3 kaons neutral
NT4 antikaons neutral
NT4 kaons neutral long-lived
NT4 kaons neutral short-lived
NT3 kaons plus
NT2 pi-1300 mesons
NT2 pi-1770 mesons
NT2 pions
NT3 cosmic pions
NT3 pions minus
NT3 pions neutral
NT3 pions plus
NT2 pseudoscalar antimesons
NT3 anti-b neutral mesons
NT3 anti-d neutral mesons
NT1 scalar mesons
NT2 a0-980 mesons
NT2 chi0-3415 mesons
NT2 f0-1240 mesons
NT2 f0-1300 mesons
NT2 f0-1590 mesons
NT2 f0-1730 mesons
NT2 f0-980 mesons
NT2 k*0-1430 mesons
NT1 strange mesons
NT2 b s mesons
NT2 d s mesons
NT2 d s-2536 mesons
NT2 d*s-2110 mesons
NT2 k*-1410 mesons
NT2 k*-1680 mesons

NT2 k*-892 mesons
NT2 k*0-1430 mesons
NT2 k*2-1430 mesons
NT2 k*3-1780 mesons
NT2 k*4-2045 mesons
NT2 k-1460 mesons
NT2 k-1830 mesons
NT2 k1-1270 mesons
NT2 k1-1400 mesons
NT2 k2-1770 mesons
NT2 k2-1820 mesons
NT2 kaons
NT3 antikaons
NT4 antikaons neutral
NT3 cosmic kaons
NT3 kaons minus
NT3 kaons neutral
NT4 antikaons neutral
NT4 kaons neutral long-lived
NT4 kaons neutral short-lived
NT3 kaons plus
NT1 strangeonium
NT2 f2 prime-1525 mesons
NT2 phi-1020 mesons
NT2 phi-1680 mesons
NT2 phi3-1850 mesons
NT1 tensor mesons
NT2 a2-1320 mesons
NT2 a4-2040 mesons
NT2 a6-2450 mesons
NT2 chi b2-9915 mesons
NT2 chi2-3555 mesons
NT2 d*2-2460 mesons
NT2 f2 prime-1525 mesons
NT2 f2-1270 mesons
NT2 f2-1430 mesons
NT2 f2-1720 mesons
NT2 f2-1810 mesons
NT2 f2-2010 mesons
NT2 f2-2300 mesons
NT2 f2-2340 mesons
NT2 f4-2050 mesons
NT2 f4-2300 mesons
NT2 f6-2510 mesons
NT2 k*2-1430 mesons
NT2 k*3-1780 mesons
NT2 k*4-2045 mesons
NT2 k2-1770 mesons
NT2 k2-1820 mesons
NT2 omega3-1670 mesons
NT2 phi3-1850 mesons
NT2 pi2-1670 mesons
NT2 pi2-2100 mesons
NT2 rho3-1690 mesons
NT2 rho3-2250 mesons
NT2 rho5-2350 mesons
NT1 toponium
NT1 vector mesons
NT2 b*-5325 mesons
NT2 d*-2010 mesons
NT2 j psi-3097 mesons
NT2 k*-1410 mesons
NT2 k*-1680 mesons
NT2 k*-892 mesons
NT2 omega-1420 mesons
NT2 omega-1600 mesons
NT2 omega-782 mesons
NT2 phi-1020 mesons
NT2 phi-1680 mesons
NT2 psi-3685 mesons
NT2 psi-3770 mesons
NT2 psi-4040 mesons
NT2 psi-4160 mesons
NT2 psi-4415 mesons
NT2 rho-1450 mesons
NT2 rho-1700 mesons
NT2 rho-2150 mesons
NT2 rho-770 mesons
NT2 upsilon-10023 mesons
NT2 upsilon-10355 mesons
NT2 upsilon-10580 mesons
NT2 upsilon-10860 mesons
NT2 upsilon-11020 mesons
NT2 upsilon-9460 mesons
NT1 x-1700 mesons
NT1 x-1935 mesons
NT1 x-2220 mesons
NT1 x-3075 mesons
RT mesic atoms
RT mesic molecules
RT meson spectroscopy

MESOPHILIC CONDITIONS

INIS: Mar 1992; ETDE: May 1977
(Temperature range centered at 40 degrees C favoring the growth of certain bacteria.)
RT anaerobic digestion
RT fermentation
RT thermophilic conditions

MESOSPHERE

BT1 earth atmosphere

MESOZOIC ERA

INIS: Apr 1992; ETDE: Oct 1977
BT1 geologic ages
NT1 cretaceous period
NT1 jurassic period
NT1 triassic period

MESQUITE

INIS: Apr 2000; ETDE: May 1981
*BT1 leguminosae
*BT1 trees

MESSENGER-RNA

*BT1 rna
RT dna hybridization
RT exons
RT post-translation modification
RT rna polymerases
RT rna processing
RT transcription

METABOLIC ACTIVATION

INIS: Apr 1992; ETDE: Jan 1980
BT1 metabolism
RT biological pathways
RT chemical activation
RT enzyme activity
RT stimulation

METABOLIC DISEASES

UF *obesity*
UF+ *glycosuria*
BT1 diseases
NT1 diabetes mellitus
NT1 rickets
RT biochemical reaction kinetics
RT endocrine diseases
RT gastrointestinal tract
RT liver
RT metabolism

metabolic pathways

Use biological pathways

METABOLISM

NT1 anabolism
NT1 basal metabolism
NT1 catabolism
NT1 glycolysis
NT1 metabolic activation
RT biochemical reaction kinetics
RT biochemistry
RT biological functions
RT biological markers
RT biosynthesis
RT carbon cycle
RT carbon dioxide fixation
RT coenzymes
RT diabetes mellitus
RT dna adducts
RT enzyme activity
RT enzymes
RT fasting
RT glucagon
RT growth
RT hypothalamus
RT insulin
RT krebs cycle
RT labelled pool techniques
RT liver
RT metabolic diseases
RT metabolites
RT molecular biology
RT nitrogen cycle
RT nitrogen fixation
RT phosphoenolpyruvate
RT physiology
RT precursor
RT radionuclide kinetics
RT renal clearance
RT respiration
RT sulfur cycle
RT thermoregulation
RT thyroid hormones
RT vitamins

METABOLITES

INIS: Jan 1978; ETDE: Sep 1977
(Products of intermediate metabolism.)
NT1 glucuronide conjugates
NT1 glutathione conjugates
RT antimetabolites
RT carboxylic acids
RT krebs cycle
RT metabolism

metacercariae

Use larvae

metagalaxy

Use universe

metaiodobenzylguanidine

Use mibg

metal buildings

Use prefabricated buildings

metal castings

Use castings

METAL-GAS BATTERIES

INIS: May 1992; ETDE: Jan 1975
*BT1 electric batteries
NT1 aluminium-air batteries
NT1 cadmium-air batteries
NT1 iron-air batteries
NT1 lithium-chlorine batteries
NT1 lithium-water-air batteries
NT1 nickel-hydrogen batteries
NT1 silver-hydrogen batteries
NT1 zinc-air batteries
NT1 zinc-chlorine batteries
RT fuel cells

METAL INDUSTRY

INIS: Mar 1992; ETDE: Apr 1975
UF *steel industry*
BT1 industry
RT beverage industry
RT ceramics industry
RT foundries
RT metals
RT mineral industry
RT scrap metals
RT smelters

metal-insulator-semiconductor solar cells
Use mis solar cells

metal-insulator solar cells
Use mi solar cells

METAL-METAL BATTERIES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 electric batteries

METAL-METAL OXIDE BATTERIES
INIS: Oct 1992; ETDE: Feb 1975
*BT1 electric batteries
NT1 iron-nickel batteries
NT1 nickel-cadmium batteries
NT1 nickel-zinc batteries
NT1 silver-cadmium batteries
NT1 silver-zinc batteries
NT1 zinc-manganese batteries

METAL MODERATED REACTORS
BT1 reactors
NT1 beryllium moderated reactors
NT2 agata reactor
NT2 br-02 reactor
NT2 ebor reactor
NT2 ewg-1 reactor
NT2 maria reactor
NT2 nuclear furnace reactor

METAL-NONMETAL BATTERIES
INIS: Sep 1992; ETDE: Jan 1975
*BT1 electric batteries
NT1 lithium-copper chloride batteries
NT1 lithium-sulfur batteries
NT1 sodium-sulfur batteries
NT1 zinc-bromine batteries

metal oxide-semiconductor solar cells
Use mos solar cells

metal-semiconductor solar cells
Use ms solar cells

metal spraying
Use spray coating

METAL TRANSFER PROCESS
BT1 separation processes
RT molten salt reactors

METAL VAPOR LASERS
INIS: Aug 1992; ETDE: Aug 1981
(Until August 1992, this concept was indexed by GAS LASERS.)
UF *copper vapor lasers*
*BT1 gas lasers

metal-water reactions
Use molten metal-water reactions

METALLIC GLASSES
INIS: Jan 1984; ETDE: Jan 1983
(Amorphous alloys produced by extremely rapid quenching of molten material.)
UF *glassy alloys*
UF *glassy metals*
UF *metglass*
RT alloys
RT amorphous state
RT glass
RT vitrification

METALLOGRAPHY
(Limited to the branch of metallurgy concerned with the preparation and examination of the surface of metals.)
RT etching
RT fractography
RT materials testing
RT microscopy
RT microstructure
RT photomicrography
RT polishing
RT surface finishing

metalloids
Use semimetals

METALLOPROTEINS
INIS: Aug 1993; ETDE: Apr 1981
*BT1 proteins
NT1 ceruloplasmin
NT1 ferredoxin
NT1 ferritin
NT1 hemocyanin
NT1 hemosiderin
NT1 lactoferrin
NT1 metallothionein
NT1 rubredoxin
NT1 transferrin
RT complexes
RT metals

METALLOTHIONEIN
INIS: May 1976; ETDE: Nov 1980
(Low molecular weight metal-binding proteins controlling heavy metal detoxification.)
*BT1 metalloproteins
RT metals

METALLURGICAL EFFECTS
INIS: Jul 1994; ETDE: Jan 1975
(The effects of an alloying element on the physical, mechanical or chemical properties of an alloy)
UF *alloying effects*
RT metallurgy

METALLURGICAL FLUX
(From January 1975 till March 1997 WELDING FLUXES was a valid ETDE descriptor.)
UF *flux (metallurgy)*
UF *solder fluxes*
UF *soldering fluxes*
UF *welding fluxes*
RT melting
RT welding

METALLURGY
(Use of a more specific descriptor is recommended; see also FABRICATION.)
NT1 electrometallurgy
NT1 extractive metallurgy
NT2 hydrometallurgy
NT2 pyrometallurgy
NT3 chloride volatility process
NT3 fluoride volatility process
NT1 physical metallurgy
NT1 powder metallurgy
RT metallurgical effects
RT zone refining

METALS
BT1 elements
NT1 actinides
NT2 actinium
NT2 americium
NT2 berkelium
NT2 californium
NT2 curium
NT2 einsteinium
NT2 fermium
NT2 lawrencium
NT2 mendelevium
NT2 neptunium
NT3 neptunium-alpha
NT3 neptunium-gamma
NT2 nobelium
NT2 plutonium
NT3 plutonium-alpha
NT3 plutonium-beta
NT3 plutonium-delta
NT3 plutonium-epsilon
NT3 plutonium-gamma
NT2 protactinium
NT2 thorium
NT3 thorium-alpha
NT3 thorium-beta
NT2 uranium
NT3 depleted uranium
NT3 enriched uranium
NT4 highly enriched uranium
NT4 moderately enriched uranium
NT4 slightly enriched uranium
NT3 natural uranium
NT3 uranium-alpha
NT3 uranium-beta
NT3 uranium-gamma
NT1 alkali metals
NT2 cesium
NT2 francium
NT2 lithium
NT2 potassium
NT2 rubidium
NT2 sodium
NT1 alkaline earth metals
NT2 barium
NT2 beryllium
NT2 calcium
NT2 magnesium
NT2 radium
NT2 strontium
NT1 aluminium
NT1 antimony
NT1 bismuth
NT1 cadmium
NT1 gallium
NT1 germanium
NT1 indium
NT1 lead
NT1 liquid metals
NT1 mercury
NT1 polonium
NT1 rare earths
NT2 cerium
NT3 cerium-alpha
NT3 cerium-beta
NT3 cerium-gamma
NT2 dysprosium
NT2 erbium
NT2 europium
NT2 gadolinium
NT2 holmium
NT2 lanthanum
NT2 lutetium
NT2 neodymium
NT2 praseodymium
NT2 promethium
NT2 samarium
NT2 terbium
NT2 thulium
NT2 ytterbium
NT1 refractory metals
NT2 hafnium
NT3 hafnium-alpha
NT3 hafnium-beta
NT2 iridium
NT2 molybdenum
NT2 niobium
NT3 niobium-alpha

NT3 niobium-beta
NT2 osmium
NT2 rhenium
NT2 rhodium
NT2 ruthenium
NT2 tantalum
NT2 technetium
NT2 tungsten
NT3 tungsten-alpha
NT1 scrap metals
NT1 thallium
NT1 tin
NT1 transition elements
NT2 chromium
NT2 cobalt
NT2 copper
NT2 gold
NT2 hafnium
NT3 hafnium-alpha
NT3 hafnium-beta
NT2 iron
NT3 iron-alpha
NT3 iron-delta
NT3 iron-gamma
NT2 manganese
NT3 manganese-alpha
NT2 molybdenum
NT2 nickel
NT2 niobium
NT3 niobium-alpha
NT3 niobium-beta
NT2 platinum metals
NT3 iridium
NT3 osmium
NT3 palladium
NT3 platinum
NT3 rhodium
NT3 ruthenium
NT2 rhenium
NT2 scandium
NT2 silver
NT2 tantalum
NT2 technetium
NT2 titanium
NT3 titanium-alpha
NT3 titanium-beta
NT2 tungsten
NT3 tungsten-alpha
NT2 vanadium
NT2 yttrium
NT2 zirconium
NT3 zirconium-alpha
NT3 zirconium-beta
NT3 zirconium-omega
NT1 zinc
RT alloys
RT azbel-kaner resonance
RT carbonyls
RT grueneisen formula
RT metal industry
RT metalloproteins
RT metallothionein
RT semimetals
RT work functions

METAMICT STATE

INIS: Jun 1985; ETDE: Feb 1982
(State of a radioactive mineral, exhibiting lattice disruption due to radiation damage while the original external morphology is retained.)
RT crystal structure
RT minerals
RT physical radiation effects

METAMORPHIC ROCKS

UF *hornfelses*
UF+ *crystalline rocks*
BT1 rocks
NT1 amphibolites
NT1 gneisses
NT1 granulites
NT1 marble
NT1 quartzites
NT1 schists
NT1 serpentinites
RT basement rock

METAMORPHISM

(The mineralogical and structural adjustment of solid rocks to physical and chemical conditions which have been imposed at depth below the surface zones of weathering and cementation, which differ from the conditions under which the rocks in question originated.)
NT1 hydrothermal alteration
RT geology
RT hydrothermal stage
RT tectonics

METAMORPHOSIS

RT adults
RT animal growth
RT larvae
RT ontogenesis
RT pupae

metaphase

Use mitosis

METASTABLE STATES

(For atomic and molecular states only; for nuclear states use ISOMERIC NUCLEI.)
*BT1 excited states

METASTASES

RT neoplasms

meteoric water

Use ground water

METEORITES

NT1 iron meteorites
NT1 stone meteorites
NT2 achondrites
NT2 chondrites
RT meteoroids
RT tektites

METEOROIDS

UF *meteors*
RT meteorites
RT solar system

METEOROLOGY

RT acoustic radar
RT atmospheric circulation
RT atmospheric precipitations
RT buoys
RT climate models
RT climates
RT cloud cover
RT clouds
RT condensation nuclei
RT earth atmosphere
RT general circulation models
RT seasons
RT site characterization
RT site selection
RT storms
RT temperature inversions
RT weather
RT wind
RT wmo

meteors

Use meteoroids

meter wave radiation

Use mhz range
AND radiowave radiation

METERING

INIS: Apr 1984; ETDE: Oct 1980
NT1 master metering
RT measuring methods
RT power meters

METERS

INIS: Mar 1986; ETDE: Nov 1980
BT1 measuring instruments
NT1 activity meters
NT1 carbon meters
NT1 flowmeters
NT2 plasma eaters
NT1 gas meters
NT1 heat meters
NT1 hydrogen meters
NT1 oxygen meters
NT1 power meters
NT1 reactivity meters
NT1 sulfur meters
NT1 tritium meters

metglass

Use metallic glasses

METHACRYLATES

BT1 carboxylic acid salts
RT vinyl monomers

METHACRYLIC ACID

UF *methacrylic acid-alpha*
*BT1 monocarboxylic acids
RT polyacrylates
RT vinyl monomers

methacrylic acid-alpha

Use methacrylic acid

METHACRYLIC ACID ESTERS

(From May 1975 till March 1997 METHYL METHACRYLATE was a valid ETDE descriptor.)
UF *methyl methacrylate*
*BT1 carboxylic acid esters
RT pmma
RT vinyl monomers

METHADONE HYDROCHLORIDE

INIS: May 1984; ETDE: Dec 1976
*BT1 narcotics

METHANATION

INIS: Apr 2000; ETDE: Feb 1975
(Preparation of methane from carbon monoxide and hydrogen.)
BT1 chemical reactions
RT beacon process
RT reduction
RT shift processes
RT synthesis gas

METHANE

UF *biogas*
UF *digester gas*
UF *firedamp*
UF+ *coalbed methane*
UF+ *gobar gas*
*BT1 alkanes
RT biothermgas process
RT bromoform
RT carbon tetrachloride
RT carbon tetrafluoride
RT chloroform
RT cryogenic fluids
RT ems
RT fluoroform
RT greenhouse gases
RT iodoform
RT methanotrophic bacteria

RT methyl bromide
RT methyl chloride
RT methyl fluoride
RT methyl iodide
RT methylene chloride
RT nitromethane

methane hydrate deposits
Use natural gas hydrate deposits

methane hydrates
Use gas hydrates

methane rich gas process
Use sng processes

METHANOGENIC BACTERIA
INIS: May 1981; ETDE: Mar 1978
(Bacteria which ferment various organic materials with the production of methane.)
*BT1 bacteria
NT1 clostridium acetobutylicum

METHANOL
UF *carbinol*
UF *methyl alcohol*
UF *wood alcohol*
UF+ *methyl-fuel*
*BT1 alcohols
RT liquid phase methanol process
RT methanol fuels

METHANOL FUELS
INIS: Apr 1992; ETDE: Sep 1979
(Pure methanol, methanol-water mixtures, or methanol with additives; for methanol-gasoline mixtures, use GASOHOL.)
*BT1 alcohol fuels
RT automotive fuels
RT gasohol
RT methanol

METHANOL PLANTS
INIS: Apr 2000; ETDE: Feb 1979
BT1 industrial plants
RT biomass conversion plants
RT chemical plants
RT coal gasification
RT gasoline plants

METHANOTROPHIC BACTERIA
INIS: Jul 1992; ETDE: May 1983
(Gram-negative bacteria that secure growth energy by the oxidation of methane.)
*BT1 bacteria
RT cell cultures
RT methane

METHEMOGLOBIN
*BT1 hemoglobin
RT erythrocytes
RT heme
RT respiration

methenamine
Use antimicrobial agents

METHIONINE
UF *methylmercaptoaminobutyric acid*
UF *methylthioaminobutyric acid*
*BT1 amino acids
*BT1 lipotropic factors
*BT1 organic sulfur compounds
RT methyl transferases

METHOTREXATE
UF *amethopterin*
*BT1 antimetabolites

METHOXY RADICALS
*BT1 alkoxy radicals

methoxybenzene
Use anisole

METHYL ACETATE
INIS: Apr 2000; ETDE: Sep 1983
*BT1 acetic acid esters

methyl alcohol
Use methanol

METHYL BROMIDE
INIS: Aug 1976; ETDE: Nov 1976
*BT1 brominated aliphatic hydrocarbons
RT fumigants
RT methane

METHYL CHLORIDE
INIS: Jul 1978; ETDE: Sep 1978
UF *chloromethane*
*BT1 chlorinated aliphatic hydrocarbons
RT methane

METHYL ETHER
INIS: Jul 1976; ETDE: Jan 1975
UF *dimethyl ether*
*BT1 ethers
RT organic solvents

methyl ethyl diketone
Use 2-3-pentanedione

METHYL FLUORIDE
INIS: Jul 1978; ETDE: Sep 1978
*BT1 fluorinated aliphatic hydrocarbons
RT methane

methyl-fuel
Use alcohols
AND methanol

methyl glycocoll
Use sarcosine

METHYL IODIDE
*BT1 iodinated aliphatic hydrocarbons
RT iodox process
RT methane

METHYL ISOBUTYL KETONE
UF *mibk*
*BT1 ketones

methyl methacrylate
Use methacrylic acid esters

METHYL METHANESULFONATE
INIS: Apr 1976; ETDE: May 1976
(Prior to August 1985 MMS was used.)
UF *mms*
BT1 mutagens
*BT1 sulfonic acid esters

methyl nitrate
Use nitric acid esters

METHYL NITROSOUREA
INIS: Apr 2000; ETDE: Jul 1980
UF *mnu*
*BT1 carbonic acid derivatives
BT1 mutagens
*BT1 nitroso compounds

METHYL ORANGE
*BT1 amines
*BT1 azo dyes
BT1 indicators
*BT1 sulfonic acids

methyl phenols
Use cresols

methyl phenyl ether
Use anisole

methyl phenyl ketone
Use acetophenone

methyl pyridines
Use picolines

METHYL RADICALS
*BT1 alkyl radicals

METHYL RED
*BT1 amino acids
*BT1 azo dyes
BT1 indicators

METHYL TRANSFERASES
INIS: Dec 1985; ETDE: Jun 1984
(A group of enzymes which mediate one carbon metabolism)
*BT1 carbon-group transferases
RT dna methylases
RT dna repair
RT methionine
RT methylation

METHYL TYROSINE
INIS: Aug 1981; ETDE: Sep 1981
UF *methyltyrosine*
*BT1 amino acids
*BT1 aromatics
*BT1 hydroxy acids
RT melanin
RT radiopharmaceuticals
RT tyrosine

METHYL VIOLET
UF *crystal violet*
*BT1 amines
*BT1 triphenylmethane dyes

methyl viologen
Use bipyridines

methylacetylene
Use propyne

METHYLAL
UF *dimethoxymethane*
UF *formal*
UF *formaldehydedimethylacetal*
*BT1 ethers
RT formaldehyde

METHYLAMINE
INIS: Sep 1975; ETDE: Oct 1975
*BT1 amines

methylaminoacetic acid
Use sarcosine

METHYLATION
BT1 chemical reactions
RT methyl transferases

methylbenzene
Use toluene

methylbutane (2-)
Use 2-methylbutane

METHYLENE BLUE
*BT1 amines
*BT1 antimicrobial agents
*BT1 chlorides
*BT1 phenothiazines

METHYLENE CHLORIDE
INIS: Feb 1982; ETDE: Feb 1982
UF *dichloromethane*
*BT1 organic chlorine compounds

RT methane

METHYLENE RADICALS
UF *methylidene radicals*
BT1 radicals

methylidene radicals
Use methylene radicals

methylmercaptoaminobutyric acid
Use methionine

METHYLMERCURY
INIS: Apr 1984; ETDE: Mar 1976
*BT1 organic mercury compounds

METHYLNAPHTHALENES
INIS: Apr 2000; ETDE: Feb 1986
*BT1 alkylated aromatics
*BT1 condensed aromatics

methylpropane (2-)
Use 2-methylpropane

methylpropanol (2-)
Use 2-methylpropanol

methylpropene (2-)
Use 2-methylpropene

methyltetrahydrofuran
Use mthf

methylthioaminobutyric acid
Use methionine

METHYLTHYMOL BLUE
BT1 indicators
*BT1 triphenylmethane dyes

methyltyrosine
Use methyl tyrosine

METRIC SYSTEM
INIS: Apr 2000; ETDE: Dec 1975
RT si units

METRICS
NT1 kerr metric
NT1 schwarzschild metric
RT curvilinear coordinates
RT fractals
RT gravitational fields
RT mathematical space
RT mathematics
RT matrices
RT measure theory
RT relativity theory
RT space-time
RT tensors

METRIZAMIDE
INIS: Aug 1981; ETDE: Sep 1981
UF *amipaque*
*BT1 amides
BT1 contrast media

METRONIDAZOLE
UF *flagyl*
*BT1 alcohols
*BT1 antineoplastic drugs
*BT1 imidazoles
*BT1 nitro compounds
*BT1 radiosensitizers

metropolitan areas
Use urban areas

MEV RANGE
(From 10 exp 6 to 10 exp 9 ev.)
BT1 energy range
NT1 mev range 01-10
NT1 mev range 10-100
NT1 mev range 100-1000

MEV RANGE 01-10
*BT1 mev range

MEV RANGE 10-100
*BT1 mev range

MEV RANGE 100-1000
*BT1 mev range

MEVALONIC ACID
*BT1 hydroxy acids

MEXAMINE
*BT1 ethers
*BT1 radioprotective substances

MEXICAN ORGANIZATIONS
INIS: Dec 1975; ETDE: Jan 1976
BT1 national organizations

mexican triga-mark-3 reactor
Use triga-3-salazar reactor

mexican triga-mk-3 reactor
Use triga-3-salazar reactor

MEXICO
BT1 developing countries
BT1 latin america
BT1 north america
RT cerro prieto geothermal field
RT oecd
RT pathe geothermal field
RT rio grande river

MEYERS PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process for removal of pyritic sulfur from coal by ferric sulfate leaching.)
*BT1 desulfurization

MFTF DEVICES
INIS: Apr 1978; ETDE: Oct 1977
(Mirror Fusion Test Facility.)
UF *mirror fusion test facility*
UF *mx devices*
*BT1 magnetic mirrors

mfx device
Use magnetic mirrors

MH-1A REACTOR
UF *floating nuclear power plant-sturgis*
UF *sturgis-floating nuclear power plant*
*BT1 experimental reactors
*BT1 mobile reactors
*BT1 pwr type reactors

MHD CHANNELS
UF *magnetohydrodynamic channels*
RT diffusers
RT mhd generators
RT mhd power plants
RT plasma seeding

MHD EQUILIBRIUM
INIS: May 1984; ETDE: Jun 1984
BT1 equilibrium
RT magnetohydrodynamics
RT plasma instability

MHD GENERATOR AEDC
INIS: Apr 2000; ETDE: Feb 1980
(MHD test facility at Arnold Engineering Development Center which simulates coal-fired MHD.)
UF *high performance demonstration experiment*
UF *hpde*
UF *mhd high performance demonstration experiment*
*BT1 mhd generators

MHD GENERATOR AERL MARK VI
INIS: Apr 2000; ETDE: May 1979
(Oil-fired MHD test facility at AVCO Everett Research Laboratory, Massachusetts, USA.)
*BT1 mhd generators
RT mhd generator aerl mark vii

MHD GENERATOR AERL MARK VII
INIS: Apr 2000; ETDE: May 1985
*BT1 mhd generators
RT mhd generator aerl mark vi

MHD GENERATOR CDIF
INIS: Jun 1993; ETDE: May 1979
(Coal-Fired Component Development and Integration Facility, Butte, Montana, USA.)
*BT1 coal-fired mhd generators

MHD GENERATOR CFFF
INIS: May 1993; ETDE: May 1979
(Coal Fired Flow Facility for MHD component testing, Tullahoma, Tennessee.)
UF *cfff*
*BT1 coal-fired mhd generators

MHD GENERATOR ETF
INIS: Apr 2000; ETDE: May 1979
(Engineering test facility. DOE coal-fired combined-cycle MHD/steam demonstration plant.)
*BT1 coal-fired mhd generators
*BT1 combined-cycle power plants
*BT1 mhd power plants

mhd generator etl mark v
Use mhd generators

MHD GENERATOR U-02
INIS: Apr 2000; ETDE: May 1979
(Natural-gas fired MHD test facility in the Russian Federation.)
*BT1 mhd generators

MHD GENERATOR U-25
INIS: Apr 2000; ETDE: May 1979
(Natural-gas fired MHD pilot plant in the Russian Federation.)
*BT1 mhd generators

MHD GENERATOR UTSI
INIS: Apr 2000; ETDE: May 1979
(Coal-fired MHD generator at University of Tennessee Space Institute, USA.)
*BT1 coal-fired mhd generators

MHD GENERATORS
UF *faraday generators*
UF *hall generators*
UF *magnetohydrodynamic generators*
UF *mhd generator etl mark v*
BT1 direct energy converters
NT1 closed-cycle mhd generators
NT2 liquid-metal mhd generators
NT1 coal-fired mhd generators
NT2 mhd generator cdif
NT2 mhd generator cfff
NT2 mhd generator etf
NT2 mhd generator utsi
NT1 disk mhd generators
NT1 mhd generator aedc
NT1 mhd generator aerl mark vi
NT1 mhd generator aerl mark vii
NT1 mhd generator u-02
NT1 mhd generator u-25

NT1 open-cycle mhd generators
NT1 pulsed mhd generators
RT end effects
RT magnetohydrodynamics
RT mhd channels
RT mhd power plants
RT plasma seeding
RT seed recovery
RT seed-slag interactions
RT vapor jet ejectors
RT vapor separators

mhd high performance demonstration experiment
Use mhd generator aedc

mhd instabilities (plasma)
Use plasma macroinstabilities

MHD POWER PLANTS
INIS: Mar 1992; ETDE: Apr 1975
BT1 power plants
NT1 mhd generator etf
RT fossil-fuel power plants
RT magnetohydrodynamics
RT mhd channels
RT mhd generators

MHZ RANGE
UF *very high frequency*
UF *vhf*
UF+ *meter wave radiation*
UF+ *very high frequency radiation*
UF+ *vhf radiation*
BT1 frequency range
NT1 mhz range 01-100
NT1 mhz range 100-1000
RT radioastronomy

MHZ RANGE 01-100
*BT1 mhz range

MHZ RANGE 100-1000
UF+ *decimeter wave radiation (3-10dm)*
UF+ *uhf radiation (100-1000 mhz)*
UF+ *uhf radiation (lower range)*
UF+ *ultrahigh frequency radiation (100-1000 mhz)*
UF+ *ultrahigh frequency radiation (lower range)*
*BT1 mhz range

MI SOLAR CELLS
INIS: Apr 2000; ETDE: Jul 1981
UF *metal-insulator solar cells*
*BT1 solar cells

MIBG
INIS: Jan 1988; ETDE: Apr 1987
UF *metaiodobenzylguanidine*
*BT1 aromatics
*BT1 guanidines
*BT1 organic iodine compounds
RT radiopharmaceuticals

mibk
Use methyl isobutyl ketone

MICA
UF *paragonite*
*BT1 silicate minerals
NT1 biotite
NT1 muscovite
NT1 vermiculite
RT dielectric materials
RT dielectric track detectors
RT kimberlites
RT pegmatites

MICE
*BT1 rodents
NT1 transgenic mice

micellar-polymer flooding
Use microemulsion flooding

MICELLAR SYSTEMS
INIS: Jul 1994; ETDE: Aug 1975
(Submicroscopic aggregates of molecules)
RT colloids
RT microemulsions
RT molecules
RT particles

MICHELSON INTERFEROMETER
INIS: Mar 1977; ETDE: Apr 1977
*BT1 interferometers

MICHIGAN
*BT1 usa
RT au sable river
RT detroit river
RT grand river
RT menominee river
RT saginaw river
RT saint clair river

michigan state triga-mk-1 reactor
Use triga-1-michigan reactor

michigan state university cyclotrons
Use msu cyclotrons

MICRO AMP BEAM CURRENTS
(From 10 exp -6 to .001 amp.)
*BT1 beam currents

MICRO-SCALE HYDROELECTRIC POWER PLANTS
INIS: Dec 1993; ETDE: May 1982
(Hydroelectric power plants producing less than 100kW.)
*BT1 hydroelectric power plants

MICROANALYSIS
NT1 deuteron microprobe analysis
NT1 electron microprobe analysis
NT1 ion microprobe analysis
NT1 proton microprobe analysis
RT impurities
RT qualitative chemical analysis
RT quantitative chemical analysis
RT trace amounts

MICROBALANCES
*BT1 balances

MICROBIAL DRUG RESISTANCE
(The resistance developed by microorganisms to a drug.)
RT drugs
RT microorganisms

microbial enhanced oil recovery
Use microbial eor

MICROBIAL EOR
INIS: Mar 1992; ETDE: Oct 1980
UF *microbial enhanced oil recovery*
SF *microbial processes*
BT1 enhanced recovery
RT bacillus licheniformis
RT corynebacterium fascians
RT microbial leaching
RT microorganisms

microbial flora
Use microorganisms

MICROBIAL LEACHING
INIS: Mar 1992; ETDE: Oct 1988
*BT1 leaching
RT microbial eor

microbial processes
See anaerobic digestion
OR bioconversion
OR biodegradation
OR biophotolysis
OR fermentation
OR microbial eor

microcephaly
Use malformations

MICROCHANNEL ELECTRON MULTIPLIERS
INIS: Feb 1976; ETDE: Apr 1976
*BT1 electron multipliers

MICROCLIMATES
INIS: May 1992; ETDE: Jun 1981
(The local, rather uniform, climate of a specific place or habitat, compared with the climate of the entire area of which it is a part.)
BT1 climates
RT thermal comfort

microcline
Use feldspars

MICROCOCCUS
*BT1 bacteria
NT1 micrococcus luteus
NT1 micrococcus lysodeicticus
NT1 micrococcus radiodurans

MICROCOCCUS LUTEUS
INIS: Oct 1977; ETDE: Nov 1977
*BT1 micrococcus
RT nucleases

MICROCOCCUS LYSODEICTICUS
*BT1 micrococcus

MICROCOCCUS RADIODURANS
*BT1 micrococcus

MICROCOMPUTERS
INIS: Mar 1977; ETDE: Aug 1976
*BT1 digital computers
NT1 personal computers

MICROCOSMS
INIS: May 1992; ETDE: Jul 1981
(Experimental units designed to contain important components of and to exhibit important processes occurring in a whole ecosystem.)
RT biological models
RT functional models
RT mathematical models
RT mockup
RT simulators

MICRODOSIMETRY
BT1 dosimetry
RT energy losses
RT let
RT spatial dose distributions
RT wall effects

MICROEARTHQUAKES
INIS: Jan 1993; ETDE: Apr 1975
(Magnitude less than two on the Richter scale.)
*BT1 earthquakes
RT aftershocks

MICROELECTRONIC CIRCUITS
INIS: Mar 1976; ETDE: Apr 1975
BT1 electronic circuits
NT1 integrated circuits
NT1 microprocessors
RT microelectronics

RT printed circuits

MICROELECTRONICS

RT electronic circuits
RT microelectronic circuits

MICROEMULSION FLOODING

INIS: Jan 1992; ETDE: Jun 1976
UF *micellar-polymer flooding*
SF *polymer flooding*
*BT1 miscible-phase displacement
RT enhanced recovery
RT petroleum
RT well stimulation

MICROEMULSIONS

INIS: Feb 1992; ETDE: Jul 1976
(Optically isotropic, clear, and stable dispersions of oil, water, surfactant, and cosurfactant; the latter is often an alcohol.)
*BT1 emulsions
RT micellar systems
RT well stimulation

microflora

Use microorganisms

MICROHARDNESS

*BT1 hardness
RT ceramography

MICRONESIA

INIS: Jun 1985; ETDE: Dec 1978
(Islands of West Pacific Ocean east Of Philippines; includes the Mariana, Palau, Caroline, Marshall, and Gilbert Islands.)
BT1 islands
BT1 oceania
NT1 kiribati
NT1 marshall islands
NT2 bikini
NT2 eniwetok
NT1 nauru
NT1 tuvalu
RT pacific ocean

MICROORGANISMS

UF *germs (microorganisms)*
UF *microbial flora*
UF *microflora*
NT1 bacteria
NT2 actinomyces
NT3 frankia
NT2 aerobacter
NT2 aeromonas
NT2 azotobacter
NT2 bacillus
NT3 bacillus cereus
NT3 bacillus licheniformis
NT3 bacillus megaterium
NT3 bacillus subtilis
NT3 thiobacillus ferroxidans
NT3 thiobacillus oxidans
NT2 brucella
NT2 clostridium
NT3 clostridium acetobutylicum
NT3 clostridium botulinum
NT3 clostridium butyricum
NT3 clostridium perfringens
NT3 clostridium thermocellum
NT3 clostridium thermosaccharolyticum
NT2 coliforms
NT2 corynebacterium fascians
NT2 corynebacterium parvum
NT2 escherichia coli
NT2 haemophilus
NT2 klebsiella
NT2 lactobacillus
NT2 legionella anisa
NT2 legionella pneumophila
NT2 meningococcus
NT2 methanogenic bacteria
NT3 clostridium acetobutylicum
NT2 methanotrophic bacteria
NT2 micrococcus
NT3 micrococcus luteus
NT3 micrococcus lysodeicticus
NT3 micrococcus radiodurans
NT2 mycobacterium
NT3 mycobacterium tuberculosis
NT2 nocardia
NT2 photosynthetic bacteria
NT3 rhodopseudomonas
NT3 rhodospirillum
NT2 pneumococcus
NT2 proteus
NT2 pseudomonas
NT2 rhizobium
NT2 salmonella
NT3 salmonella typhimurium
NT2 serratia
NT2 shigella
NT2 spirochaetes
NT2 staphylococcus
NT2 streptococcus
NT2 streptomyces
NT2 sulfate-reducing bacteria
NT3 desulfovibrio
NT2 sulfur-oxidizing bacteria
NT3 rhodococcus
NT3 thiobacillus ferroxidans
NT3 thiobacillus oxidans
NT2 thermoactinomyces
NT2 zymomonas mobilis
NT1 cyanobacteria
NT1 mycoplasma
NT2 acholeplasma laidlawii b
NT1 protozoa
NT2 ciliata
NT3 paramecium
NT3 tetrahymena
NT2 mastigophora
NT3 dinoflagellate
NT3 euglena
NT3 trypanosoma
NT2 sarcodina
NT3 amoeba
NT3 foraminifera
NT2 sporozoa
NT3 babesidae
NT3 plasmodium
NT1 rickettsiae
NT1 unicellular algae
NT2 chlamydomonas
NT2 chlorella
NT2 euglena
NT2 scenedesmus
NT1 viruses
NT2 aids virus
NT2 bacteriophages
NT2 influenza viruses
NT2 measles virus
NT2 oncogenic viruses
NT3 adenovirus
NT3 leukemia viruses
NT3 polyoma virus
NT2 polio virus
NT2 simian virus
NT2 tobacco mosaic virus
NT2 vaccinia virus
NT1 yeasts
NT2 candida
NT2 saccharomyces
NT3 saccharomyces cerevisiae
NT2 torula
RT aerobic digestion
RT anaerobic digestion
RT anti-infective agents
RT antibiotics
RT autotrophs
RT biology
RT bioremediation
RT cell cultures
RT immobilized cells
RT infectious diseases
RT microbial drug resistance
RT microbial eor
RT parasites
RT pathogens
RT photoreactivation
RT virulence

MICROPROCESSORS

INIS: Mar 1977; ETDE: Aug 1976
*BT1 microelectronic circuits
RT array processors
RT computers

micropulsations

Use pulsations

MICRORADIOGRAPHY

INIS: Mar 1983; ETDE: Oct 1975
UF *radiography (micro)*
RT biomedical radiography
RT industrial radiography

MICROSCOPES

NT1 electron microscopes
NT1 ion microscopes
NT1 optical microscopes
RT microscopy

MICROSCOPY

NT1 acoustic microscopy
NT1 atomic force microscopy
NT1 electron microscopy
NT2 scanning electron microscopy
NT2 transmission electron microscopy
NT1 ion microscopy
NT1 optical microscopy
NT2 scanning light microscopy
NT1 scanning tunneling microscopy
RT ceramography
RT histological techniques
RT histology
RT metallography
RT microscopes
RT morphological changes
RT photomicrography

MICROSECONDS LIVING RADIOISOTOPES

INIS: Mar 1984; ETDE: Apr 1975
(From 10 exp -6 to 0.001 sec; prior to June 2003 MICROSEC LIVING RADIOISOTOPES was used for this concept)
*BT1 radioisotopes
NT1 actinium 216
NT1 actinium 218
NT1 actinium 219
NT1 astatine 215
NT1 astatine 216
NT1 element 104 254
NT1 element 108 264
NT1 element 110 269
NT1 element 112 277
NT1 europium 130
NT1 fermium 242
NT1 fermium 258
NT1 francium 212
NT1 francium 213
NT1 francium 217
NT1 gold 170
NT1 gold 171
NT1 hafnium 156
NT1 iodine 109
NT1 iodine 116

NT1 iodine 121
NT1 iodine 122
NT1 krypton 84
NT1 krypton 85
NT1 lutetium 154
NT1 mercury 201
NT1 nobelium 250
NT1 polonium 188
NT1 polonium 213
NT1 polonium 214
NT1 protactinium 218
NT1 protactinium 221
NT1 radium 217
NT1 radium 218
NT1 radon 215
NT1 radon 216
NT1 radon 217
NT1 rubidium 76
NT1 tellurium 106
NT1 thorium 217
NT1 thorium 219
NT1 thorium 220
NT1 thulium 145
NT1 tin 102
NT1 uranium 219
NT1 uranium 222
NT1 uranium 223
NT1 uranium 224
NT1 ytterbium 153
RT half-life
RT lifetime

microseism

Use seismic noise

microseismic monitoring

Use acoustic monitoring

MICROSOMES

*BT1 ribosomes
RT mixed-function oxidases
RT rna

MICROSPHERES

RT dispersions
RT particle size
RT radiopharmaceuticals

MICROSPORES

BT1 spores
RT pollen

MICROSTRUCTURE

NT1 cleavage
NT1 grain boundaries
NT1 grain density
NT1 grain orientation
NT1 grain size
NT1 pore structure
NT1 widmanstaetten structure
RT ceramography
RT crystal defects
RT crystal lattices
RT inclusions
RT metallography
RT nanostructures
RT phase diagrams
RT phase transformations
RT solids
RT twinning

MICROTRONS

*BT1 cyclotrons
NT1 racetrack microtrons

MICROTUBULES

INIS: Feb 1982; ETDE: Aug 1981
BT1 cell constituents
RT proteins

MICROWAVE AMPLIFIERS

UF *electron cyclotron masers*
UF *gyrotrons*
*BT1 amplifiers
*BT1 microwave equipment
NT1 masers

microwave discharges

Use high-frequency discharges

MICROWAVE DRYERS

INIS: Jan 1983; ETDE: Jun 1980
BT1 dryers
*BT1 microwave equipment
RT microwave ovens
RT microwave radiation

MICROWAVE EQUIPMENT

*BT1 electronic equipment
NT1 heterodyne receivers
NT1 microwave amplifiers
NT2 masers
NT1 microwave dryers
NT1 microwave tubes
NT2 backward wave tubes
NT2 klystrons
NT2 lasertrons
NT2 magnetrons
NT2 travelling wave tubes
NT1 squid devices
RT cavity resonators
RT microwave radiation
RT radio equipment
RT resonators
RT superconducting cavity resonators
RT waveguides

MICROWAVE HEATING

INIS: Jan 1994; ETDE: Jul 1981
BT1 heating
RT microwave ovens
RT microwave radiation
RT plasma heating

MICROWAVE OVENS

INIS: Jun 1980; ETDE: Jun 1977
*BT1 electric appliances
*BT1 ovens
RT microwave dryers
RT microwave heating
RT microwave radiation

MICROWAVE POWER TRANSMISSION

INIS: Jan 1976; ETDE: Jan 1975
BT1 power transmission
RT power supplies
RT power systems
RT rectennas
RT rf systems

MICROWAVE RADIATION

UF *ehf radiation*
UF *extremely high frequency radiation*
*BT1 electromagnetic radiation
NT1 relict radiation
RT masers
RT microwave dryers
RT microwave equipment
RT microwave heating
RT microwave ovens
RT microwave spectra

MICROWAVE SPECTRA

BT1 spectra
RT microwave radiation

MICROWAVE TUBES

BT1 electron tubes
*BT1 microwave equipment
NT1 backward wave tubes
NT1 klystrons
NT1 lasertrons
NT1 magnetrons
NT1 travelling wave tubes
RT thermionic tubes

MICTOMAGNETISM

INIS: Apr 2000; ETDE: Jan 1975
(A property exhibited by some alloys whereby they are superparamagnetic.)
*BT1 antiferromagnetism
*BT1 ferromagnetism

MID-ATLANTIC BIGHT

INIS: Jun 1992; ETDE: Jul 1985
(The portion of the Atlantic Ocean overlying the continental shelf between Cape Hatteras and Georges Bank.)
*BT1 atlantic ocean
NT1 new york bight
RT chesapeake bay
RT coastal waters
RT continental shelf
RT georges bank
RT gulf stream
RT long island sound
RT south atlantic bight
RT us east coast

mid-atlantic region

Use usa

MID-ATLANTIC RIDGE

INIS: Jun 1992; ETDE: Aug 1977
RT atlantic ocean
RT geologic structures

midas computer

Use computers

MIDDAY AURORAE

BT1 aurorae
RT auroral oval
RT auroral zones
RT charged-particle precipitation
RT electron precipitation
RT ionosphere
RT proton precipitation

middle distillates

Use petroleum distillates

MIDDLE EAST

INIS: Nov 1991; ETDE: Feb 1975
NT1 bahrain
NT1 cyprus
NT1 egyptian arab republic
NT1 iran
NT1 iraq
NT1 israel
NT1 jordan
NT1 kuwait
NT1 lebanon
NT1 oman
NT1 qatar
NT1 saudi arabia
NT1 syria
NT1 turkey
NT1 yemen
RT arab countries
RT oapec
RT opec

middle gust event

Use chemical explosions
AND surface explosions

MIDLAND-1 REACTOR
(Midland, Michigan, USA)
UF *consumers power company midland-1*
UF *consumers power company midland-1 reactor*
*BT1 process heat reactors
*BT1 pwr type reactors

MIDLAND-2 REACTOR
(Midland, Michigan, USA)
UF *consumers power company midland-2*
UF *consumers power company midland-2 reactor*
*BT1 process heat reactors
*BT1 pwr type reactors

midnight discontinuity
Use harang discontinuity

midtemperature solar system test facility
Use msstf

MIDUALE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium steels
*BT1 manganese additions
*BT1 silicon additions
*BT1 tungsten alloys

MIDWEST FUEL RECOVERY PLANT
UF *morris plant*
*BT1 fuel reprocessing plants

midwest region
Use usa

mifi irt-2000 reactor
Use irt-2000 moscow reactor

migas process
Use coal gasification

MIGDAL THEORY
RT bremsstrahlung

mighty epic event
Use nuclear explosions
AND underground explosions

MIGMA DEVICES
(Nonthermal, nonpulsed devices, in which fusion occurs among the ions of a self-colliding beam.)
BT1 thermonuclear devices
RT ion beams
RT precession

MIGRATION
INIS: Aug 1991; ETDE: May 1976
RT fish passage facilities
RT population dynamics

migration (kernel)
Use amoeba effect

migration (radionuclide)
Use radionuclide migration

migration area
Use migration length

MIGRATION LENGTH
UF *migration area*
*BT1 length
RT diffusion length
RT slowing-down length

MIHAMA-1 REACTOR
(Mihama, Fukui, Japan)
UF *kansai-1 reactor*
*BT1 pwr type reactors

MIHAMA-2 REACTOR
(Mihama, Fukui, Japan)
UF *kansai-2 reactor*
*BT1 pwr type reactors

MIHAMA-3 REACTOR
(Mihama, Fukui, Japan)
*BT1 pwr type reactors

mike event
Use surface explosions
AND thermonuclear explosions

MILAN SUPERCONDUCTING CYCLOTRON
INIS: Jun 1983; ETDE: Mar 1983
(Prior to December 1990, this descriptor was spelled MILANSUPERCOND CYCLOTRON.)
*BT1 heavy ion accelerators
*BT1 isochronous cyclotrons
*BT1 superconducting cyclotrons

MILDEW
*BT1 eumycota
BT1 parasites
RT plant diseases

MILITARY ASSISTANCE
INIS: Apr 2000; ETDE: Feb 1986
RT foreign policy
RT international cooperation
RT national defense

MILITARY EQUIPMENT
INIS: Jan 1993; ETDE: Jan 1975
(From August 1975 till March 1997 ORDNANCE was a valid ETDE descriptor.)
UF *munitions*
UF *ordnance*
BT1 equipment
RT ammunition

MILITARY FACILITIES
INIS: Jan 1977; ETDE: Mar 1976
UF *facilities (military)*
NT1 tonopah test range
RT government buildings
RT national defense

MILITARY PERSONNEL
UF *army personnel*
BT1 personnel
RT aviation personnel

MILITARY STRATEGY
INIS: Aug 1994; ETDE: Feb 1986
RT warfare

MILK
*BT1 body fluids
BT1 food
RT beverages
RT cows
RT lactation
RT mammary glands
RT milk products
RT whey

MILK PRODUCTS
BT1 food
NT1 butter
NT1 cheese
NT1 whey
RT milk

milk sugar
Use lactose

MILKWEED
INIS: Apr 2000; ETDE: Apr 1980
(A hydrocarbon-producing plant, possible source of synthetic petroleum.)
*BT1 euphorbia

MILKY WAY
UF *local galaxy*
BT1 galaxies
RT interstellar space

MILL TAILINGS
INIS: Jan 1978; ETDE: Mar 1977
*BT1 tailings
RT ore processing
RT radioactive wastes

MILLER INDICES
RT crystal lattices

MILLET
*BT1 cereals

MILLI AMP BEAM CURRENTS
(From .001 to 1 amp.)
*BT1 beam currents

MILLI EV RANGE
BT1 energy range

MILLI HZ RANGE
BT1 frequency range

milli k range
Use temperature range 0000-0013 k

MILLING
(For milling in the sense of pulverization, use COMMINUTION.)
BT1 machining
RT mechanical decladding
RT milling machines

MILLING MACHINES
*BT1 machine tools
RT milling

MILLISECONDS LIVING RADIOISOTOPES
(From 0.001 to 1 sec.; prior to June 2003 MILLISEC LIVING RADIOISOTOPES was used for this concept)
*BT1 radioisotopes
NT1 actinium 207
NT1 actinium 208
NT1 actinium 209
NT1 actinium 210
NT1 actinium 211
NT1 actinium 212
NT1 actinium 213
NT1 actinium 215
NT1 actinium 220
NT1 actinium 221
NT1 aluminium 22
NT1 aluminium 23
NT1 aluminium 24
NT1 aluminium 31
NT1 aluminium 32
NT1 aluminium 34
NT1 antimony 104
NT1 antimony 134
NT1 antimony 136
NT1 argon 31
NT1 argon 32
NT1 argon 33
NT1 argon 34
NT1 arsenic 64
NT1 arsenic 66

NT1 arsenic 75
NT1 arsenic 84
NT1 arsenic 86
NT1 arsenic 87
NT1 astatine 191
NT1 astatine 193
NT1 astatine 194
NT1 astatine 195
NT1 astatine 196
NT1 astatine 197
NT1 astatine 212
NT1 astatine 217
NT1 barium 114
NT1 barium 115
NT1 barium 116
NT1 barium 136
NT1 barium 147
NT1 barium 148
NT1 barium 149
NT1 beryllium 12
NT1 beryllium 14
NT1 bismuth 186
NT1 boron 12
NT1 boron 13
NT1 boron 14
NT1 boron 15
NT1 boron 17
NT1 boron 8
NT1 bromine 70
NT1 bromine 91
NT1 bromine 92
NT1 bromine 93
NT1 cadmium 125
NT1 cadmium 126
NT1 cadmium 127
NT1 cadmium 128
NT1 cadmium 130
NT1 cadmium 96
NT1 calcium 36
NT1 calcium 37
NT1 calcium 38
NT1 calcium 39
NT1 calcium 53
NT1 carbon 16
NT1 carbon 17
NT1 carbon 18
NT1 carbon 9
NT1 cesium 114
NT1 cesium 116
NT1 cesium 145
NT1 cesium 146
NT1 cesium 147
NT1 cesium 148
NT1 cesium 149
NT1 cesium 150
NT1 chlorine 31
NT1 chlorine 32
NT1 chromium 45
NT1 chromium 46
NT1 chromium 47
NT1 chromium 60
NT1 cobalt 52
NT1 cobalt 53
NT1 cobalt 54
NT1 cobalt 64
NT1 cobalt 66
NT1 cobalt 67
NT1 copper 56
NT1 copper 57
NT1 copper 76
NT1 copper 77
NT1 copper 78
NT1 copper 79
NT1 dysprosium 149
NT1 element 104 256
NT1 element 104 258
NT1 element 104 260
NT1 element 104 262
NT1 element 106 259
NT1 element 106 260
NT1 element 106 261
NT1 element 106 262
NT1 element 106 263
NT1 element 107 261
NT1 element 107 262
NT1 element 107 264
NT1 element 108 265
NT1 element 108 266
NT1 element 109 268
NT1 element 110 270
NT1 element 111 272
NT1 erbium 151
NT1 europium 131
NT1 europium 134
NT1 fermium 243
NT1 fermium 244
NT1 fluorine 24
NT1 francium 199
NT1 francium 200
NT1 francium 201
NT1 francium 202
NT1 francium 203
NT1 francium 206
NT1 francium 214
NT1 francium 218
NT1 francium 219
NT1 gallium 60
NT1 gallium 62
NT1 gallium 72
NT1 gallium 82
NT1 gallium 83
NT1 gallium 84
NT1 germanium 61
NT1 germanium 62
NT1 germanium 71
NT1 germanium 73
NT1 germanium 85
NT1 gold 172
NT1 gold 173
NT1 gold 174
NT1 gold 175
NT1 gold 191
NT1 hafnium 155
NT1 hafnium 156
NT1 hafnium 157
NT1 helium 6
NT1 helium 8
NT1 holmium 141
NT1 holmium 144
NT1 holmium 148
NT1 indium 114
NT1 indium 128
NT1 indium 129
NT1 indium 130
NT1 indium 131
NT1 indium 132
NT1 indium 133
NT1 indium 134
NT1 indium 135
NT1 iodine 108
NT1 iodine 110
NT1 iodine 140
NT1 iodine 141
NT1 iodine 142
NT1 iridium 166
NT1 iridium 167
NT1 iridium 169
NT1 iridium 194
NT1 iron 45
NT1 iron 46
NT1 iron 49
NT1 iron 51
NT1 krypton 71
NT1 krypton 94
NT1 krypton 95
NT1 lanthanum 150
NT1 lawrencium 257
NT1 lead 180
NT1 lead 182
NT1 lead 184
NT1 lead 205
NT1 lead 207
NT1 lithium 10
NT1 lithium 11
NT1 lithium 8
NT1 lithium 9
NT1 lutetium 151
NT1 lutetium 152
NT1 lutetium 153
NT1 lutetium 155
NT1 lutetium 156
NT1 lutetium 161
NT1 lutetium 170
NT1 magnesium 20
NT1 magnesium 21
NT1 magnesium 30
NT1 magnesium 31
NT1 manganese 48
NT1 manganese 49
NT1 manganese 50
NT1 manganese 61
NT1 manganese 62
NT1 manganese 63
NT1 mercury 175
NT1 mercury 176
NT1 mercury 177
NT1 mercury 178
NT1 molybdenum 109
NT1 molybdenum 89
NT1 neon 17
NT1 neon 25
NT1 neon 26
NT1 neptunium 226
NT1 neptunium 227
NT1 nickel 49
NT1 nickel 50
NT1 nickel 52
NT1 nickel 53
NT1 nickel 55
NT1 nickel 73
NT1 niobium 108
NT1 nitrogen 12
NT1 nitrogen 18
NT1 nitrogen 19
NT1 nobelium 251
NT1 nobelium 254
NT1 nobelium 258
NT1 osmium 162
NT1 osmium 164
NT1 osmium 165
NT1 osmium 166
NT1 osmium 167
NT1 oxygen 13
NT1 oxygen 24
NT1 palladium 117
NT1 palladium 119
NT1 palladium 120
NT1 phosphorus 26
NT1 phosphorus 27
NT1 phosphorus 28
NT1 phosphorus 38
NT1 platinum 169
NT1 platinum 170
NT1 platinum 171
NT1 platinum 172
NT1 platinum 173
NT1 platinum 174
NT1 platinum 184
NT1 plutonium 230
NT1 polonium 190
NT1 polonium 192
NT1 polonium 193
NT1 polonium 194
NT1 polonium 211
NT1 polonium 215
NT1 polonium 216
NT1 potassium 35

NT1 potassium 36
NT1 potassium 50
NT1 potassium 51
NT1 potassium 52
NT1 potassium 53
NT1 potassium 54
NT1 protactinium 212
NT1 protactinium 213
NT1 protactinium 214
NT1 protactinium 215
NT1 protactinium 216
NT1 protactinium 217
NT1 protactinium 222
NT1 protactinium 223
NT1 protactinium 224
NT1 radium 205
NT1 radium 206
NT1 radium 213
NT1 radium 215
NT1 radium 219
NT1 radium 220
NT1 radon 197
NT1 radon 199
NT1 radon 213
NT1 radon 218
NT1 rhenium 161
NT1 rhenium 162
NT1 rhenium 163
NT1 rhenium 164
NT1 rhodium 115
NT1 rhodium 116
NT1 rhodium 118
NT1 rubidium 100
NT1 rubidium 74
NT1 rubidium 95
NT1 rubidium 96
NT1 rubidium 97
NT1 rubidium 98
NT1 rubidium 99
NT1 ruthenium 114
NT1 scandium 40
NT1 scandium 41
NT1 scandium 42
NT1 scandium 50
NT1 selenium 65
NT1 selenium 66
NT1 selenium 67
NT1 selenium 89
NT1 selenium 91
NT1 silicon 24
NT1 silicon 25
NT1 silicon 35
NT1 silicon 36
NT1 silver 120
NT1 silver 121
NT1 silver 123
NT1 silver 94
NT1 silver 95
NT1 sodium 19
NT1 sodium 24
NT1 sodium 27
NT1 sodium 28
NT1 sodium 29
NT1 sodium 30
NT1 sodium 31
NT1 sodium 32
NT1 sodium 33
NT1 sodium 34
NT1 sodium 35
NT1 strontium 100
NT1 strontium 101
NT1 strontium 102
NT1 strontium 75
NT1 strontium 97
NT1 strontium 98
NT1 strontium 99
NT1 sulfur 28
NT1 sulfur 29
NT1 tantalum 156
NT1 tantalum 157
NT1 tantalum 158
NT1 tantalum 159
NT1 tantalum 182
NT1 technetium 110
NT1 technetium 111
NT1 technetium 112
NT1 technetium 113
NT1 tellurium 107
NT1 terbium 146
NT1 thallium 179
NT1 thallium 183
NT1 thorium 212
NT1 thorium 213
NT1 thorium 214
NT1 thorium 216
NT1 thorium 221
NT1 thorium 222
NT1 thorium 223
NT1 thulium 146
NT1 thulium 147
NT1 thulium 150
NT1 titanium 40
NT1 titanium 41
NT1 titanium 42
NT1 titanium 43
NT1 tungsten 159
NT1 tungsten 160
NT1 tungsten 161
NT1 uranium 218
NT1 uranium 225
NT1 uranium 226
NT1 vanadium 42
NT1 vanadium 44
NT1 vanadium 45
NT1 vanadium 46
NT1 xenon 110
NT1 xenon 111
NT1 xenon 143
NT1 xenon 145
NT1 ytterbium 154
NT1 ytterbium 175
NT1 yttrium 100
NT1 yttrium 101
NT1 yttrium 102
NT1 yttrium 103
NT1 yttrium 88
NT1 yttrium 93
NT1 yttrium 97
NT1 yttrium 98
NT1 zinc 57
NT1 zinc 59
NT1 zinc 80
NT1 zinc 81
NT1 zirconium 90
RT half-life
RT lifetime

MILLIWATT POWER RANGE
INIS: Apr 1988; ETDE: Nov 1990
UF *power range milli w*
BT1 power range
NT1 power range 01-10 milli w
NT1 power range 10-100 milli w
NT1 power range 100-1000 milli w

MILLSTONE-1 REACTOR
(Waterford, Connecticut, USA)
*BT1 bwr type reactors

MILLSTONE-2 REACTOR
(Waterford, Connecticut, USA)
*BT1 pwr type reactors

MILLSTONE-3 REACTOR
(Waterford, Connecticut, USA)
*BT1 pwr type reactors

MILNE PROBLEM
RT angular distribution
RT marshak boundary conditions
RT neutron transport theory

milrow event
Use nuclear explosions
AND underground explosions

MIM JUNCTIONS
(Metal-Insulator-Metal junctions.)
BT1 semiconductor junctions

mimic
Use programming languages

MIMOSINE
*BT1 amino acids
RT leguminosae
RT toxicity

minami ambiguity
See angular distribution
OR parity

minas gerais university triga reactor
Use triga-brazil reactor

MINE CARS
INIS: Apr 2000; ETDE: May 1980
*BT1 haulage equipment
BT1 vehicles
RT mining
RT transport

MINE DRAINING
INIS: Apr 1992; ETDE: Jun 1977
RT acid mine drainage
RT coal mines
RT drainage
RT underground mining
RT water influx

MINE DRIVAGE
INIS: Apr 2000; ETDE: Nov 1988
(Driving a drift for development or for use as an underground road.)
RT construction
RT mine roadways
RT tunnels
RT underground mining

MINE HAULAGE
INIS: Apr 2000; ETDE: Jun 1977
BT1 materials handling
RT chain conveyors
RT haulage equipment
RT loaders

mine-mouth generating plants
Use coal mines
AND fossil-fuel power plants

MINE RESCUE
INIS: Apr 2000; ETDE: May 1978
BT1 rescue operations
RT accidents
RT evacuation
RT mines
RT safety

MINE ROADWAYS
INIS: Mar 1993; ETDE: May 1978
UF *roadways (mines)*
*BT1 tunnels
RT mine drivage
RT underground mining

mine safety and health administration
Use us msha

MINE SHAFTS

INIS: Dec 1991; ETDE: Apr 1981
(Prior to January 1992, this concept was indexed to SHAFT EXCAVATIONS.)
UF *shafts (mine)*
SF *shafts*
BT1 shaft excavations
NT1 abandoned shafts
RT cavities
RT openings
RT underground mining

mine site rehabilitation

See land reclamation
OR remedial action

mine tailings

Use tailings

mine wastes

Use mineral wastes

mineral acids

Use inorganic acids

MINERAL CYCLING

INIS: Feb 1992; ETDE: Aug 1976
(The cyclic movement of elemental mineral nutrients in ecosystems.)
RT air-biosphere interactions
RT biogeochemistry
RT carbon cycle
RT carbon sinks
RT ecological concentration
RT ecosystems
RT nitrogen cycle
RT sulfur cycle

MINERAL INDUSTRY

INIS: Aug 1993; ETDE: Nov 1976
UF *mining industry*
BT1 industry
RT ceramics industry
RT coal industry
RT metal industry
RT oil sand industry
RT oil shale industry
RT petroleum industry

mineral oil(s)

See lubricants
OR petroleum

MINERAL RESOURCES

INIS: Aug 1976; ETDE: Jan 1975
(The totality of the discovered and undiscovered quantities of a particular mineral or similar commodity, i.e., its crustal abundance.)
BT1 resources
NT1 coal deposits
NT2 coal seams
NT1 natural gas deposits
NT2 natural gas fields
NT3 gas condensate fields
NT1 oil shale deposits
NT2 us naval oil shale reserves
NT1 petroleum deposits
NT2 gas condensate fields
NT2 oil fields
NT2 us naval petroleum reserves
NT1 uranium deposits
NT2 blizzard deposit
NT2 erzgebirge deposit
NT2 jabiluka deposit
NT2 koongarra deposit
NT2 nabarlek deposit
NT2 ranger deposit
NT2 ranstad deposit
NT2 roxby downs deposit
NT2 south alligator deposit
NT2 yeelirrie deposit
RT mineral rights
RT minerals
RT resource management
RT resource potential
RT royalties
RT uranium reserves

MINERAL RIGHTS

INIS: Apr 2000; ETDE: Jul 1979
UF *mining rights*
RT land ownership
RT land use
RT legal aspects
RT mineral resources
RT mining laws
RT ownership

MINERAL SPRINGS

INIS: Jan 1976; ETDE: Feb 1975
BT1 water springs
RT hot springs
RT thermal springs

mineral virginia north anna-1 reactor

Use north anna-1 reactor

mineral virginia north anna-2 reactor

Use north anna-2 reactor

mineral virginia north anna-3 reactor

Use north anna-3 reactor

mineral virginia north anna-4 reactor

Use north anna-4 reactor

MINERAL WASTES

INIS: Jun 1993; ETDE: Jan 1976
UF *mine wastes*
*BT1 solid wastes
NT1 culm
RT dredge spoil
RT spoil banks
RT tailings

MINERAL WOOL

INIS: Apr 2000; ETDE: Nov 1976
RT fibers
RT thermal insulation

MINERALIZATION

RT crystallization
RT mineralogy
RT plutonic rocks

MINERALOCORTICOIDS

(Prior to March 1997 DOCA was a valid ETDE descriptor.)
UF *desoxycorticosterone acetate*
UF *doca*
*BT1 corticosteroids
NT1 aldosterone

MINERALOGY

RT mineralization
RT minerals
RT petrochemistry

MINERALS

(From May 1982 till February 1997 ELEMENTAL MINERALS was a valid ETDE descriptor.)
UF *elemental minerals*
UF *lead minerals*
UF *sodium minerals*
UF *vanadium minerals*
NT1 black sands
NT1 carbonate minerals
NT2 ankerite
NT2 aragonite
NT2 calcite
NT2 dawsonite
NT2 diderichite
NT2 dolomite
NT2 nahcolite
NT2 shortite
NT2 siderite
NT2 trona
NT1 diamonds
NT1 graphite
NT1 halide minerals
NT2 carnallite
NT2 fluorite
NT2 halite
NT1 oxide minerals
NT2 baddeleyite
NT2 bastnaesite
NT2 becquerelite
NT2 billietite
NT2 brannerite
NT2 chrysoberyl
NT2 clarkeite
NT2 compreignacite
NT2 corundum
NT3 ruby
NT3 sapphire
NT2 corvusite
NT2 cristobalite
NT2 ellsworthite
NT2 ferghanite
NT2 ferrite garnets
NT2 gibbsite
NT2 goethite
NT2 guilleminite
NT2 hallimondite
NT2 heinrichite
NT2 hematite
NT2 hollandite
NT2 ianthinite
NT2 ilmenite
NT2 kahlerite
NT2 kaolin
NT2 kirchheimerite
NT2 limonite
NT2 lodochnikite
NT2 lyndochite
NT2 magnetite
NT2 marignacite
NT2 melanovanadite
NT2 moctezumite
NT2 mullite
NT2 naegite
NT2 nogizawalite
NT2 nordstrandite
NT2 novacekite
NT2 para-schoepite
NT2 pascoite
NT2 perovskite
NT2 quartz
NT2 rauvite
NT2 rutile
NT2 schoepite
NT2 sengierite
NT2 silica
NT3 opals
NT2 spinels
NT2 stishovite
NT2 tantalite
NT2 tapiolite
NT2 thorianite
NT2 tyuyamunite
NT2 uraninites
NT3 broeggerite
NT3 pitchblende

NT2 uranium black
NT2 wolframite
NT2 zirconolite
NT1 perovskites
NT2 perovskite
NT1 phosphate minerals
NT2 apatites
NT2 autunite
NT2 monazites
NT2 ningyoite
NT2 saleeite
NT2 torbernite
NT2 xenotime
NT1 pyrochlore
NT1 radioactive minerals
NT2 baddeleyite
NT2 corvusite
NT2 fersmite
NT2 kainosite
NT2 melanovanadite
NT2 pascoite
NT2 rutile
NT2 thorium minerals
NT3 allanite
NT3 bastnaesite
NT3 brannerite
NT3 ekanite
NT3 freyalite
NT3 hydrothorite
NT3 lodochnikite
NT3 lyndochite
NT3 mackintoshite
NT3 maitlandite
NT3 monazites
NT3 naegite
NT3 thorianite
NT3 thorite
NT4 jiningite
NT3 thucholite
NT3 uranothorite
NT2 uranium minerals
NT3 autunite
NT3 bassetite
NT3 becquerelite
NT3 billietite
NT3 brannerite
NT3 carnotite
NT3 clarkeite
NT3 coffinite
NT3 compreignacite
NT3 dewindtite
NT3 diderichite
NT3 djalmaite
NT3 ekanite
NT3 ellsworthite
NT3 ferghanite
NT3 fourmarierite
NT3 gastunite
NT3 guilleminite
NT3 hallimondite
NT3 heinrichite
NT3 ianthinite
NT3 kahlerite
NT3 kirchheimerite
NT3 lodochnikite
NT3 mackintoshite
NT3 moctezumite
NT3 montroseite
NT3 naegite
NT3 natroautunite
NT3 ningyoite
NT3 novacekite
NT3 para-schoepite
NT3 ranquilite
NT3 rauvite
NT3 sabugalite
NT3 saleeite
NT3 schoepite
NT3 sengierite
NT3 sklodowskite
NT3 soddyite
NT3 thorianite
NT3 thucholite
NT3 torbernite
NT3 tyuyamunite
NT3 uraninites
NT4 broeggerite
NT4 pitchblende
NT3 uranium black
NT3 uranophane
NT3 uranothorite
NT3 vesuvianite
NT1 silicate minerals
NT2 alamosite
NT2 allanite
NT2 alvite
NT2 amphibole
NT3 hornblende
NT2 beryl
NT2 chlorite minerals
NT2 clays
NT3 attapulgite
NT3 bentonite
NT3 boom clay
NT3 clinoptilolite
NT3 fullers earth
NT3 illite
NT3 kaolin
NT3 montmorillonite
NT3 sepiolite
NT3 smectite
NT2 coffinite
NT2 cristobalite
NT2 diopside
NT2 ekanite
NT2 enstatite
NT2 epidotes
NT2 feldspars
NT3 anorthite
NT3 orthoclase
NT2 freyalite
NT2 garnets
NT2 hedenbergite
NT2 helvite
NT2 hydrothorite
NT2 ilvaite
NT2 kainosite
NT2 kaolinite
NT2 lavenite
NT2 lovozerite
NT2 mackintoshite
NT2 maitlandite
NT2 mesodialyte
NT2 mica
NT3 biotite
NT3 muscovite
NT3 vermiculite
NT2 olivine
NT2 petalite
NT2 pollucite
NT2 pyrophyllite
NT2 ranquilite
NT2 serpentine
NT2 sklodowskite
NT2 soddyite
NT2 talc
NT2 thorite
NT3 jiningite
NT2 titanite
NT2 tourmaline
NT2 uranophane
NT2 uranothorite
NT2 zeolites
NT3 clinoptilolite
NT3 faujasite
NT3 heulandite
NT3 laumontite
NT3 mordenite
NT3 wairakite
NT2 zircon
NT1 sulfate minerals
NT2 alunite
NT2 anhydrite
NT2 barite
NT2 gypsum
NT2 polyhalite
NT1 sulfide minerals
NT2 chalcopyrite
NT2 galena
NT2 marcasite
NT2 pyrite
NT2 pyrrhotite
NT3 troilite
RT concretions
RT environmental materials
RT geobarometry
RT metamict state
RT mineral resources
RT mineralogy
RT ores
RT rocks
RT tektites
RT torbanite
RT translocation

MINERS

BT1 personnel
NT1 coal miners
RT life support systems

MINERVE REACTOR

(CEA/CEN Cadarache, St. Paul Lez Durance, France)
UF *french minerve reactor*
UF *zero power critical experiment minerve*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 zero power reactors

MINES

BT1 underground facilities
NT1 asse salt mine
NT1 coal mines
NT1 konrad ore mine
NT1 uranium mines
NT2 beaverlodge mine
NT2 cluff lake mine
NT2 key lake mine
NT2 mary kathleen mines
NT2 olympic dam mine
NT2 osamu utsumi mine
NT2 rum jungle mine
NT2 stanleigh mine
RT abandoned shafts
RT backfilling
RT mine rescue
RT mining
RT shaft excavations
RT surface mining
RT tunnels
RT underground mining
RT water influx

mini-serve stations

Use gasoline service stations

miniata event

Use nuclear explosions
AND underground explosions

miniature neutron source reactor

Use mns reactor

MINIATURE SWINE

*BT1 swine

MINIATURIZATION
RT electrical equipment
RT electronic equipment
RT measuring instruments
RT semiconductor devices

MINIMARS REACTOR
INIS: Apr 2000; ETDE: Apr 1986
*BT1 magnetic mirror type reactors
RT mars reactor

MINIMIZATION
INIS: Jun 1983; ETDE: Aug 1982
BT1 optimization
RT augmentation

MINIMUM AVERAGE-B CONFIGURATIONS
UF *average magnetic well*
*BT1 closed configurations
RT internal ring devices

MINIMUM-B CONFIGURATIONS
UF *magnetic well*
*BT1 open configurations
RT ion rings
RT tlm configurations

MINING
NT1 auger mining
NT1 coal mining
NT1 hydraulic mining
NT1 oil sand mining
NT1 oil shale mining
NT1 solution mining
NT1 surface mining
NT1 underground mining
NT2 advance mining
NT2 caving mining
NT2 longwall mining
NT2 retreat mining
NT2 room and pillar mining
NT2 shortwall mining
NT2 slice mining
RT acid mine drainage
RT belt conveyors
RT contained explosions
RT cratering explosions
RT excavation
RT explosive fracturing
RT heading machines
RT industry
RT landslides
RT mine cars
RT mines
RT ore composition
RT overburden
RT resource exploitation
RT rock bursts
RT rock mechanics
RT shaft excavations
RT shield supports
RT underground explosions
RT uranium ores
RT working faces

MINING ENGINEERING
INIS: Feb 1993; ETDE: Sep 1979
BT1 engineering
RT auger mining
RT coal mining
RT hydraulic mining
RT oil shale mining
RT surface mining
RT underground mining

MINING EQUIPMENT
INIS: Jun 1983; ETDE: Jan 1975
BT1 equipment
NT1 bucket wheel excavators
NT1 cutting machines
NT2 cutter loaders
NT3 coal plows
NT3 continuous miners
NT3 heading machines
NT3 shearer loaders
NT1 roof bolts
RT auger mining
RT chain conveyors
RT conveyors
RT draglines
RT earthmoving equipment
RT haulage equipment
RT supports
RT tunneling machines

mining industry
Use mineral industry

MINING LAWS
(Prior to December 1990, this descriptor was spelled MINING LAW.)
BT1 laws
NT1 surface mining acts
RT mineral rights

mining research method
Use desulfurization

mining rights
Use mineral rights

MINKOWSKI SPACE
*BT1 mathematical space
RT light cone
RT lorentz transformations

MINNESOTA
*BT1 usa
RT mississippi river

minnesota univ linac
Use linear accelerators

MINORITY GROUPS
INIS: Jan 1984; ETDE: Feb 1978
(Coordinate with a descriptor for the geographical area involved.)
UF *ethnic groups*
UF *racial groups*
*BT1 human populations
NT1 american indians
NT1 black americans
NT1 elderly people
NT1 handicapped people
NT1 high income groups
NT1 hispanic americans
NT1 lapps
NT1 low income groups
NT1 oriental americans
RT interest groups
RT sociology
RT us affirmative action program

MINSK COMPUTERS
BT1 computers

MINT
INIS: Jan 1997; ETDE: Feb 1999
(Malaysian Institute for Nuclear Technology Research)
UF *malaysian institute for nuclear energy research*
*BT1 malaysian organizations

MINUS-PLUS RATIO
UF *charge ratio*
UF *plus-minus ratio*
RT electric charges

MINUTES LIVING RADIOISOTOPES
*BT1 radioisotopes
NT1 actinium 222
NT1 actinium 223
NT1 actinium 230
NT1 actinium 231
NT1 actinium 232
NT1 actinium 233
NT1 aluminium 28
NT1 aluminium 29
NT1 americium 233
NT1 americium 234
NT1 americium 235
NT1 americium 236
NT1 americium 244
NT1 americium 246
NT1 americium 247
NT1 antimony 111
NT1 antimony 113
NT1 antimony 114
NT1 antimony 115
NT1 antimony 116
NT1 antimony 118
NT1 antimony 120
NT1 antimony 122
NT1 antimony 124
NT1 antimony 126
NT1 antimony 128
NT1 antimony 129
NT1 antimony 130
NT1 antimony 131
NT1 antimony 132
NT1 antimony 133
NT1 argon 43
NT1 argon 44
NT1 arsenic 68
NT1 arsenic 69
NT1 arsenic 70
NT1 arsenic 79
NT1 astatine 201
NT1 astatine 202
NT1 astatine 203
NT1 astatine 204
NT1 astatine 205
NT1 astatine 206
NT1 astatine 220
NT1 astatine 221
NT1 barium 122
NT1 barium 123
NT1 barium 124
NT1 barium 125
NT1 barium 127
NT1 barium 131
NT1 barium 137
NT1 barium 141
NT1 barium 142
NT1 berkelium 240
NT1 berkelium 242
NT1 berkelium 251
NT1 bismuth 193
NT1 bismuth 194
NT1 bismuth 195
NT1 bismuth 196
NT1 bismuth 197
NT1 bismuth 198
NT1 bismuth 199
NT1 bismuth 200
NT1 bismuth 201
NT1 bismuth 211
NT1 bismuth 212
NT1 bismuth 213
NT1 bismuth 214
NT1 bismuth 215
NT1 bismuth 216
NT1 bromine 72
NT1 bromine 73
NT1 bromine 74

NT1 bromine 77
NT1 bromine 78
NT1 bromine 80
NT1 bromine 82
NT1 bromine 84
NT1 bromine 85
NT1 cadmium 100
NT1 cadmium 101
NT1 cadmium 102
NT1 cadmium 103
NT1 cadmium 104
NT1 cadmium 105
NT1 cadmium 111
NT1 cadmium 118
NT1 cadmium 119
NT1 calcium 49
NT1 californium 240
NT1 californium 241
NT1 californium 242
NT1 californium 243
NT1 californium 244
NT1 californium 245
NT1 californium 256
NT1 carbon 11
NT1 cerium 128
NT1 cerium 129
NT1 cerium 130
NT1 cerium 131
NT1 cerium 145
NT1 cerium 146
NT1 cesium 120
NT1 cesium 121
NT1 cesium 122
NT1 cesium 123
NT1 cesium 125
NT1 cesium 126
NT1 cesium 128
NT1 cesium 130
NT1 cesium 135
NT1 cesium 138
NT1 cesium 139
NT1 cesium 140
NT1 chlorine 34
NT1 chlorine 38
NT1 chlorine 39
NT1 chlorine 40
NT1 chromium 49
NT1 chromium 55
NT1 chromium 56
NT1 cobalt 54
NT1 cobalt 60
NT1 cobalt 62
NT1 copper 59
NT1 copper 60
NT1 copper 62
NT1 copper 66
NT1 copper 68
NT1 copper 69
NT1 curium 236
NT1 curium 237
NT1 curium 251
NT1 dysprosium 147
NT1 dysprosium 148
NT1 dysprosium 149
NT1 dysprosium 150
NT1 dysprosium 151
NT1 dysprosium 165
NT1 dysprosium 167
NT1 dysprosium 168
NT1 einsteinium 245
NT1 einsteinium 246
NT1 einsteinium 247
NT1 einsteinium 248
NT1 einsteinium 256
NT1 element 104 261
NT1 element 104 263
NT1 element 112 283
NT1 erbium 154
NT1 erbium 155
NT1 erbium 156
NT1 erbium 157
NT1 erbium 159
NT1 erbium 173
NT1 erbium 174
NT1 europium 142
NT1 europium 143
NT1 europium 154
NT1 europium 158
NT1 europium 159
NT1 fermium 249
NT1 fermium 250
NT1 fluorine 17
NT1 francium 210
NT1 francium 211
NT1 francium 212
NT1 francium 221
NT1 francium 222
NT1 francium 223
NT1 francium 224
NT1 francium 225
NT1 francium 227
NT1 gadolinium 142
NT1 gadolinium 143
NT1 gadolinium 144
NT1 gadolinium 145
NT1 gadolinium 161
NT1 gadolinium 162
NT1 gadolinium 163
NT1 gallium 64
NT1 gallium 65
NT1 gallium 70
NT1 gallium 74
NT1 gallium 75
NT1 germanium 64
NT1 germanium 67
NT1 gold 185
NT1 gold 186
NT1 gold 187
NT1 gold 188
NT1 gold 189
NT1 gold 190
NT1 gold 200
NT1 gold 201
NT1 hafnium 164
NT1 hafnium 165
NT1 hafnium 166
NT1 hafnium 167
NT1 hafnium 168
NT1 hafnium 169
NT1 hafnium 177
NT1 holmium 150
NT1 holmium 152
NT1 holmium 153
NT1 holmium 154
NT1 holmium 155
NT1 holmium 156
NT1 holmium 157
NT1 holmium 158
NT1 holmium 159
NT1 holmium 160
NT1 holmium 162
NT1 holmium 164
NT1 holmium 168
NT1 holmium 169
NT1 holmium 170
NT1 indium 103
NT1 indium 104
NT1 indium 105
NT1 indium 106
NT1 indium 107
NT1 indium 108
NT1 indium 109
NT1 indium 111
NT1 indium 112
NT1 indium 114
NT1 indium 116
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NT1 indium 118
NT1 indium 119
NT1 indium 121
NT1 iodine 115
NT1 iodine 117
NT1 iodine 118
NT1 iodine 119
NT1 iodine 120
NT1 iodine 122
NT1 iodine 128
NT1 iodine 130
NT1 iodine 134
NT1 iodine 136
NT1 iridium 179
NT1 iridium 180
NT1 iridium 181
NT1 iridium 182
NT1 iridium 183
NT1 iridium 192
NT1 iridium 197
NT1 iron 53
NT1 iron 61
NT1 iron 62
NT1 krypton 74
NT1 krypton 75
NT1 krypton 89
NT1 lanthanum 125
NT1 lanthanum 126
NT1 lanthanum 127
NT1 lanthanum 128
NT1 lanthanum 129
NT1 lanthanum 130
NT1 lanthanum 131
NT1 lanthanum 132
NT1 lanthanum 134
NT1 lanthanum 136
NT1 lanthanum 143
NT1 lawrencium 260
NT1 lead 190
NT1 lead 191
NT1 lead 192
NT1 lead 193
NT1 lead 194
NT1 lead 195
NT1 lead 196
NT1 lead 197
NT1 lead 199
NT1 lead 201
NT1 lead 211
NT1 lead 213
NT1 lead 214
NT1 lutetium 161
NT1 lutetium 162
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NT1 lutetium 166
NT1 lutetium 167
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NT1 lutetium 171
NT1 lutetium 172
NT1 lutetium 178
NT1 lutetium 180
NT1 lutetium 181
NT1 lutetium 182
NT1 lutetium 187
NT1 magnesium 27
NT1 manganese 50
NT1 manganese 51
NT1 manganese 52
NT1 manganese 57
NT1 manganese 58
NT1 mendelevium 251
NT1 mendelevium 252
NT1 mendelevium 253
NT1 mendelevium 254
NT1 mendelevium 255
NT1 mendelevium 258
NT1 mercury 186

NT1 mercury 187
NT1 mercury 188
NT1 mercury 189
NT1 mercury 190
NT1 mercury 191
NT1 mercury 199
NT1 mercury 205
NT1 mercury 206
NT1 molybdenum 101
NT1 molybdenum 102
NT1 molybdenum 103
NT1 molybdenum 104
NT1 molybdenum 88
NT1 molybdenum 89
NT1 molybdenum 91
NT1 neodymium 132
NT1 neodymium 133
NT1 neodymium 134
NT1 neodymium 135
NT1 neodymium 136
NT1 neodymium 137
NT1 neodymium 139
NT1 neodymium 141
NT1 neodymium 151
NT1 neodymium 152
NT1 neon 24
NT1 neptunium 229
NT1 neptunium 230
NT1 neptunium 231
NT1 neptunium 232
NT1 neptunium 233
NT1 neptunium 240
NT1 neptunium 241
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NT1 neptunium 243
NT1 neptunium 244
NT1 niobium 85
NT1 niobium 86
NT1 niobium 87
NT1 niobium 88
NT1 niobium 94
NT1 niobium 98
NT1 niobium 99
NT1 nitrogen 13
NT1 nobelium 253
NT1 nobelium 255
NT1 nobelium 259
NT1 osmium 175
NT1 osmium 176
NT1 osmium 177
NT1 osmium 178
NT1 osmium 179
NT1 osmium 180
NT1 osmium 181
NT1 osmium 190
NT1 osmium 195
NT1 osmium 196
NT1 oxygen 14
NT1 oxygen 15
NT1 palladium 109
NT1 palladium 111
NT1 palladium 113
NT1 palladium 114
NT1 palladium 96
NT1 palladium 97
NT1 palladium 98
NT1 palladium 99
NT1 phosphorus 30
NT1 platinum 182
NT1 platinum 183
NT1 platinum 184
NT1 platinum 185
NT1 platinum 199
NT1 platinum 201
NT1 plutonium 232
NT1 plutonium 233
NT1 plutonium 235
NT1 polonium 198
NT1 polonium 199
NT1 polonium 200
NT1 polonium 201
NT1 polonium 202
NT1 polonium 203
NT1 polonium 218
NT1 potassium 38
NT1 potassium 44
NT1 potassium 45
NT1 potassium 46
NT1 praseodymium 131
NT1 praseodymium 132
NT1 praseodymium 133
NT1 praseodymium 134
NT1 praseodymium 135
NT1 praseodymium 136
NT1 praseodymium 138
NT1 praseodymium 140
NT1 praseodymium 142
NT1 praseodymium 144
NT1 praseodymium 146
NT1 praseodymium 147
NT1 praseodymium 148
NT1 praseodymium 149
NT1 promethium 136
NT1 promethium 137
NT1 promethium 138
NT1 promethium 139
NT1 promethium 140
NT1 promethium 141
NT1 promethium 152
NT1 promethium 153
NT1 promethium 154
NT1 protactinium 226
NT1 protactinium 227
NT1 protactinium 234
NT1 protactinium 235
NT1 protactinium 236
NT1 protactinium 237
NT1 protactinium 238
NT1 radium 213
NT1 radium 227
NT1 radium 229
NT1 radium 231
NT1 radium 232
NT1 radon 204
NT1 radon 205
NT1 radon 206
NT1 radon 207
NT1 radon 208
NT1 radon 209
NT1 radon 212
NT1 radon 221
NT1 radon 223
NT1 radon 225
NT1 radon 226
NT1 rhenium 173
NT1 rhenium 174
NT1 rhenium 175
NT1 rhenium 176
NT1 rhenium 177
NT1 rhenium 178
NT1 rhenium 179
NT1 rhenium 180
NT1 rhenium 188
NT1 rhenium 190
NT1 rhenium 191
NT1 rhodium 100
NT1 rhodium 103
NT1 rhodium 104
NT1 rhodium 107
NT1 rhodium 108
NT1 rhodium 109
NT1 rhodium 94
NT1 rhodium 95
NT1 rhodium 96
NT1 rhodium 97
NT1 rhodium 98
NT1 rubidium 77
NT1 rubidium 78
NT1 rubidium 79
NT1 rubidium 81
NT1 rubidium 82
NT1 rubidium 84
NT1 rubidium 86
NT1 rubidium 88
NT1 rubidium 89
NT1 rubidium 90
NT1 ruthenium 107
NT1 ruthenium 108
NT1 ruthenium 92
NT1 ruthenium 93
NT1 ruthenium 94
NT1 samarium 138
NT1 samarium 139
NT1 samarium 140
NT1 samarium 141
NT1 samarium 143
NT1 samarium 155
NT1 samarium 157
NT1 samarium 158
NT1 scandium 49
NT1 scandium 50
NT1 selenium 68
NT1 selenium 70
NT1 selenium 71
NT1 selenium 73
NT1 selenium 79
NT1 selenium 81
NT1 selenium 83
NT1 selenium 84
NT1 silver 100
NT1 silver 101
NT1 silver 102
NT1 silver 104
NT1 silver 105
NT1 silver 106
NT1 silver 108
NT1 silver 111
NT1 silver 113
NT1 silver 115
NT1 silver 116
NT1 silver 117
NT1 silver 99
NT1 strontium 78
NT1 strontium 79
NT1 strontium 81
NT1 strontium 93
NT1 strontium 94
NT1 sulfur 37
NT1 tantalum 167
NT1 tantalum 168
NT1 tantalum 169
NT1 tantalum 170
NT1 tantalum 171
NT1 tantalum 172
NT1 tantalum 178
NT1 tantalum 182
NT1 tantalum 185
NT1 tantalum 186
NT1 technetium 101
NT1 technetium 102
NT1 technetium 104
NT1 technetium 105
NT1 technetium 91
NT1 technetium 92
NT1 technetium 93
NT1 technetium 94
NT1 technetium 96
NT1 tellurium 112
NT1 tellurium 113
NT1 tellurium 114
NT1 tellurium 115
NT1 tellurium 131
NT1 tellurium 133
NT1 tellurium 134
NT1 terbium 147
NT1 terbium 148
NT1 terbium 149

NT1 terbium 150
NT1 terbium 152
NT1 terbium 162
NT1 terbium 163
NT1 terbium 164
NT1 terbium 165
NT1 thallium 188
NT1 thallium 189
NT1 thallium 190
NT1 thallium 191
NT1 thallium 192
NT1 thallium 193
NT1 thallium 194
NT1 thallium 206
NT1 thallium 207
NT1 thallium 208
NT1 thallium 209
NT1 thallium 210
NT1 thorium 225
NT1 thorium 226
NT1 thorium 233
NT1 thorium 235
NT1 thorium 236
NT1 thorium 237
NT1 thulium 156
NT1 thulium 157
NT1 thulium 158
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NT1 thulium 162
NT1 thulium 164
NT1 thulium 174
NT1 thulium 175
NT1 thulium 176
NT1 thulium 177
NT1 tin 106
NT1 tin 107
NT1 tin 108
NT1 tin 109
NT1 tin 111
NT1 tin 113
NT1 tin 123
NT1 tin 125
NT1 tin 127
NT1 tin 128
NT1 tin 129
NT1 tin 130
NT1 tin 131
NT1 titanium 51
NT1 titanium 52
NT1 tungsten 170
NT1 tungsten 171
NT1 tungsten 172
NT1 tungsten 173
NT1 tungsten 174
NT1 tungsten 175
NT1 tungsten 179
NT1 tungsten 185
NT1 tungsten 189
NT1 tungsten 190
NT1 uranium 227
NT1 uranium 228
NT1 uranium 229
NT1 uranium 235
NT1 uranium 239
NT1 uranium 242
NT1 vanadium 47
NT1 vanadium 52
NT1 vanadium 53
NT1 xenon 117
NT1 xenon 118
NT1 xenon 119
NT1 xenon 120
NT1 xenon 121
NT1 xenon 127
NT1 xenon 135
NT1 xenon 137
NT1 xenon 138
NT1 ytterbium 158
NT1 ytterbium 159
NT1 ytterbium 160
NT1 ytterbium 161
NT1 ytterbium 162
NT1 ytterbium 163
NT1 ytterbium 165
NT1 ytterbium 167
NT1 ytterbium 179
NT1 ytterbium 180
NT1 yttrium 81
NT1 yttrium 83
NT1 yttrium 84
NT1 yttrium 86
NT1 yttrium 91
NT1 yttrium 94
NT1 yttrium 95
NT1 zinc 60
NT1 zinc 61
NT1 zinc 63
NT1 zinc 69
NT1 zinc 71
NT1 zinc 74
NT1 zirconium 81
NT1 zirconium 82
NT1 zirconium 84
NT1 zirconium 85
NT1 zirconium 89
RT half-life
RT lifetime

MIOCENE EPOCH
INIS: Apr 1992; ETDE: Oct 1977
*BT1 tertiary period
RT geologic history

miq
Use maximum inhalation quantity

MIR ORBITAL STATION
INIS: Oct 1989; ETDE: Nov 1989
BT1 satellites
*BT1 space vehicles

MIR REACTOR
UF *melekess-mir reactor*
*BT1 experimental reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

mirror advanced reactor study
Use mars reactor

mirror fusion test facility
Use mftf devices

MIRROR NUCLEI
BT1 nuclei
RT isobaric nuclei

MIRROR RATIO
INIS: Aug 1975; ETDE: Oct 1975
RT magnetic fields
RT magnetic mirror configurations
RT magnetic mirrors

MIRRORS
INIS: Oct 1975; ETDE: Jan 1975
(From January 1975 until March 1996 FLAT MIRRORS was a valid ETDE descriptor.)
UF *flat mirrors*
NT1 electrostatic mirrors
NT1 fresnel reflectors
NT1 heat mirrors
NT1 laser mirrors
RT optical properties
RT optical systems
RT parabolic reflectors
RT reflection
RT solar concentrators
RT solar reflectors
RT telescopes

mirrors (magnetic)
Use magnetic mirrors

MIS SOLAR CELLS
INIS: Apr 2000; ETDE: Jul 1981
UF *metal-insulator-semiconductor solar cells*
*BT1 solar cells
RT mis transistors
RT schottky barrier solar cells

MIS TRANSISTORS
(Metal Insulator Silicon transistors)
*BT1 transistors
RT mis solar cells

MISCH METAL
*BT1 cerium base alloys
*BT1 lanthanum alloys

miscibility
Use solubility

miscible flooding
Use miscible-phase displacement

MISCIBLE-PHASE DISPLACEMENT
INIS: Jan 1992; ETDE: Mar 1976
UF *miscible flooding*
BT1 fluid injection
NT1 carbon dioxide injection
NT1 microemulsion flooding
RT enhanced recovery
RT petroleum

MISCO METAL
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium alloys
*BT1 iron alloys
*BT1 nickel alloys

misgurnus
Use fishes

MISONIDAZOLE
INIS: Aug 1981; ETDE: Jan 1981
UF *2-nitroinidazole*
UF *ro-07-0582*
*BT1 alcohols
*BT1 antineoplastic drugs
*BT1 imidazoles
*BT1 nitro compounds
*BT1 radiosensitizers
RT chemotherapy

MISSILE LAUNCHING SITES
INIS: Apr 2000; ETDE: Jan 1980
RT launching
RT missiles
RT rockets

MISSILE PROTECTION
INIS: Oct 1975; ETDE: Jan 1975
RT impact shock
RT reactor accidents
RT reactor protection systems
RT reactor safety

MISSILE SILOS
INIS: Apr 2000; ETDE: Feb 1975
RT missiles
RT national defense

MISSILES
NT1 cruise missiles
RT ammunition
RT flight testing

RT launching
RT missile launching sites
RT missile silos
RT propulsion systems
RT reentry
RT reentry vehicles
RT rockets
RT thrusters

MISSING MASS
(The unobserved mass resulting from neutral particles in a particle-particle interaction.)
BT1 mass
RT missing-mass spectra
RT missing-mass spectrometers
RT neutral particles

MISSING-MASS SPECTRA
BT1 spectra
RT abc effect
RT missing mass
RT missing-mass spectrometers

MISSING-MASS SPECTROMETERS
*BT1 spectrometers
RT missing mass
RT missing-mass spectra
RT neutral particles

mission analysis
Use feasibility studies
AND technology utilization

MISSISSIPPI
*BT1 usa
RT chattanooga formation
RT mississippi river
RT us gulf coast

MISSISSIPPI RIVER
*BT1 rivers
RT arkansas
RT illinois
RT iowa
RT kentucky
RT louisiana
RT minnesota
RT mississippi
RT mississippi river basin
RT missouri
RT tennessee
RT wisconsin

MISSISSIPPI RIVER BASIN
INIS: Jan 1992; ETDE: Apr 1977
BT1 watersheds
RT mississippi river

mississippian period
Use carboniferous period

MISSOURI
*BT1 usa
RT chattanooga formation
RT kansas city plant
RT mississippi river
RT missouri river
RT missouri river basin
RT white river basin

MISSOURI RIVER
*BT1 rivers
RT iowa
RT kansas
RT missouri
RT missouri river basin
RT montana
RT nebraska
RT north dakota
RT south dakota

MISSOURI RIVER BASIN
INIS: Apr 2000; ETDE: Jun 1977
BT1 watersheds
RT missouri
RT missouri river

missouri school of mines reactor
Use umrr reactor

missouri university/columbia research reactor
Use murr reactor

missouri university/rolla research reactor
Use umrr reactor

MIST EXTRACTORS
INIS: Apr 2000; ETDE: Mar 1977
(Devices that remove liquid mist or droplets from a gas stream via impingement, flow-direction change, velocity change, centrifugal force, filters, or coalescing packs.)
UF *entrainment separators*
*BT1 extraction apparatuses

MIST-LIFT CYCLES
INIS: Apr 2000; ETDE: Aug 1980
UF *otec mist-lift cycle*
SF *beck cycle*
*BT1 lift cycles

MIT BATES LINAC
INIS: Nov 1977; ETDE: Mar 1978
(Bates Electron Linear Accelerator Facility at MIT.)
UF *bates linac mit*
*BT1 linear accelerators

MITES
*BT1 arachnids
RT disease vectors
RT parasites
RT pest control

MITIGATION
INIS: Sep 1985; ETDE: Jul 1983
(Abatement or diminution of something painful, injurious, severe, or calamitous.)
RT control
RT modifications
RT optimization
RT pollution abatement

MITOCHONDRIA
BT1 cell constituents
RT cytoplasm
RT krebs cycle
RT subcellular distribution

MITOGENS
INIS: Oct 1981; ETDE: Nov 1978
(Substances that induce cell division or stimulate cells to undergo blastogenic activity.)
NT1 erythropoietin
NT1 growth factors
NT2 lymphokines
NT3 interferon
NT1 phytohemagglutinin
RT cell division
RT immunology
RT response modifying factors
RT stimulation
RT tissue extracts

MITOMYCIN
*BT1 antibiotics
*BT1 antimitotic drugs
*BT1 antineoplastic drugs

MITOSIS
UF *anaphase*
UF *metaphase*
UF *prophase*
UF *telophase*
BT1 cell division
RT antimitotic drugs
RT centromeres
RT chromosomes
RT concanavalin a
RT crossing-over
RT human chromosomes
RT mitotic delay
RT mitotic index
RT phytohemagglutinin

MITOTIC DELAY
RT mitosis

MITOTIC INDEX
RT mitosis

MITR REACTOR
(Massachusetts Institute of Technology, Nuclear Research Lab., Cambridge Massachusetts, USA)
UF *massachusetts institute of technology reactor*
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 training reactors

MIUS
INIS: Apr 2000; ETDE: Jan 1976
(Small plant located within housing developments or communities to provide all utility services.)
UF *modular integrated utility systems*
*BT1 ieus
RT central heating plants
RT ices program
RT public utilities
RT total energy systems

MIXED BED ION EXCHANGERS
*BT1 ion exchange materials

MIXED CARBIDE FUELS
INIS: Sep 1982; ETDE: Feb 1982
(Index also the specific carbides if important.)
*BT1 nuclear fuels
*BT1 solid fuels
RT plutonium carbides
RT uranium carbides

mixed-function oxidase systems
Use mixed-function oxidases

MIXED-FUNCTION OXIDASES
INIS: Apr 2000; ETDE: Jan 1981
UF *mixed-function oxidase systems*
*BT1 oxygenases
RT aryl 4-monooxygenase
RT cytochrome oxidase
RT cytochromes
RT microsomes

mixed media
Use mixed solvents

MIXED NITRIDE FUELS
INIS: Oct 1988; ETDE: Oct 1988
(Uranium nitride mixed with plutonium nitride or other nitrides. Index other nitrides if important.)
*BT1 nuclear fuels
*BT1 solid fuels

RT ceramics
RT plutonium nitrides
RT uranium nitrides

MIXED OXIDE FUEL FABRICATION PLANTS

(Until August 1994 this descriptor was spelled MIXED OXIDEFUEL PLANT.)
UF *mixed oxide fuel plant*
UF *uranium oxide fuel plant*
*BT1 fuel fabrication plants

mixed oxide fuel plant

Use mixed oxide fuel fabrication plants

MIXED OXIDE FUELS

INIS: Apr 1980; ETDE: May 1980
(Uranium dioxide mixed with other oxide(s); index also the other oxide(s) if important.)
*BT1 nuclear fuels
*BT1 solid fuels
RT ceramics

MIXED SOLVENTS

UF *mixed media*
*BT1 mixtures
BT1 solvents

MIXED SPECTRUM REACTORS

UF+ *fast-mixed spectrum reactor*
BT1 reactors
NT1 acpr reactor
NT1 br-3-vn reactor
NT1 browns ferry-1 reactor
NT1 browns ferry-2 reactor
NT1 browns ferry-3 reactor
NT1 diorit reactor
NT1 nsrr reactor
NT1 omre reactor
NT1 rpt reactor

MIXED STATE

INIS: Jul 1994; ETDE: Jun 1975
(A state of partial penetration of magnetic fields in orderly arrays of magnetic flux in vortices, usually thought of as a state of Type-II superconductivity only)
RT superconductivity

MIXER-SETTLERS

*BT1 extraction apparatuses
RT laboratory equipment
RT mixers
RT mixing

MIXERS

INIS: Sep 1992; ETDE: Jan 1976
UF *blenders*
SF *mullers*
*BT1 materials handling equipment
RT mixer-settlers

MIXING

(Not for the concept covered by CONFIGURATION MIXING.)
UF *blending*
RT aeration
RT diffusion
RT mixer-settlers
RT mixtures
RT solubility
RT stirring
RT turbulence

mixing (genetic)

Use hybridization

MIXING HEAT

UF *heat of mixing*
*BT1 enthalpy
RT solution heat

mixing matrix (kobayashi-maskawa)

Use kobayashi-maskawa matrix

MIXING RATIO

RT branching ratio
RT decay
RT energy-level transitions
RT multipolarity
RT multipoles
RT neutrino oscillation
RT particle production
RT weinberg angle

MIXTURES

BT1 dispersions
NT1 binary mixtures
NT1 homogeneous mixtures
NT2 solutions
NT3 aqueous solutions
NT3 fuel solutions
NT3 hypertonic solutions
NT3 isotonic solutions
NT3 leachates
NT3 process solutions
NT3 solid solutions
NT1 mixed solvents
NT1 slurries
NT2 fuel slurries
RT compatibility
RT mixing

ML-1 REACTOR

INIS: Apr 2000; ETDE: Dec 1974
UF *mobile low power plant-1*
*BT1 enriched uranium reactors
*BT1 mobile reactors
*BT1 nitrogen cooled reactors
*BT1 power reactors
*BT1 water moderated reactors

mm-0011

Use nickel base alloys

mms

Use methyl methanesulfonate

mn-21

Use alloy-mn-21

MNR REACTOR

(McMaster University, Ontario, Canada)
UF *mc master university nuclear reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors

MNS REACTOR

INIS: Feb 1991; ETDE: Feb 1991
(CIAE, Beijing, China.)
UF *miniature neutron source reactor*
*BT1 research reactors
*BT1 tank type reactors

mnu

Use methyl nitrosourea

mo-re 1

Use alloy-mo-re-1

mo-re 2

Use alloy-mo-re-2

MOATA REACTOR

(Australian Atomic Energy Commission Research Establishment, Lucas Heights, Australia)
UF *australian moata reactor*
*BT1 argonaut type reactors
*BT1 research reactors
*BT1 training reactors

MOBIL M-GASOLINE PROCESS

INIS: Apr 2000; ETDE: Dec 1976
(One-step catalytic conversion of methanol to gasoline. Crude methanol is produced from coal gasification synthesis gas or natural gas.)
RT gasoline
RT gasoline plants
RT synthetic fuels
RT synthetic petroleum

MOBILE HOMES

INIS: Apr 2000; ETDE: Jan 1975
*BT1 residential buildings
RT households
RT houses
RT prefabricated buildings
RT residential sector
RT vehicles

mobile low power plant-1

Use ml-1 reactor

MOBILE POLLUTANT SOURCES

INIS: Mar 1992; ETDE: Apr 1978
(Use for general articles when sources are not named. See also specific mobile sources e.g., AUTOMOBILES.)
BT1 pollution sources
RT air pollution
RT point pollutant sources
RT pollution
RT stationary pollutant sources

MOBILE REACTORS

(Designed to be movable while in operation.)
SF *710 reactor*
BT1 reactors
NT1 mh-1a reactor
NT1 ml-1 reactor
NT1 s1c prototype reactor
NT1 space power reactors
NT2 snap reactors
NT3 snap 10 reactor
NT4 s10fs-1 reactor
NT4 s10fs-3 reactor
NT4 s10fs-4 reactor
NT3 snap 2 reactor
NT4 s2ds reactor
NT3 snap 50 reactor
NT3 snap 8 reactor
NT4 s8dr reactor
NT4 s8er reactor
NT2 space propulsion reactors
NT3 kiwi reactors
NT4 kiwi-tnt reactor
NT3 nerva reactor
NT3 nrx-a1 reactor
NT3 nrx-a2 reactor
NT3 nrx-a3 reactor
NT3 nrx-a4-est reactor
NT3 nrx-a5 reactor
NT3 nrx-a6 reactor
NT3 nrx-a7 reactor
NT3 pewee-1 reactor
NT3 pewee-2 reactor
NT3 pewee-3 reactor
NT3 pewee-4 reactor
NT3 phoebus-1a reactor
NT3 phoebus-1b reactor
NT3 phoebus-2a reactor
NT3 rover reactors
NT3 twmr reactor
NT3 xe-2 reactor
RT thermionic reactors

MOBILITY

(For material movement use TRANSPORT.)
NT1 carrier mobility

NT1 hole mobility
NT1 particle mobility
NT2 electron mobility
NT2 ion mobility

MOCHOVCE-1 REACTOR
INIS: Oct 1984; ETDE: Nov 1984
*BT1 wwer type reactors

MOCHOVCE-2 REACTOR
INIS: Sep 1994; ETDE: Sep 1994
*BT1 wwer type reactors

MOCHOVCE RADIOACTIVE WASTE REPOSITORY
Dec 2002
UF *national radioactive waste repository in mochovce*
UF *republikove uloziste radioaktivnych odpadov v mochovciach*
*BT1 radioactive waste facilities

MOCKUP
BT1 structural models
NT1 phantoms
RT biological models
RT functional models
RT mathematical models
RT microcosms
RT pilot plants
RT scale models
RT simulators
RT test facilities

MOCTEZUMITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 uranium minerals
RT lead oxides
RT tellurium oxides
RT uranium oxides

MODE CONTROL
INIS: May 1984; ETDE: Mar 1978
BT1 control
RT lasers
RT mode selection
RT oscillation modes
RT wave propagation

MODE CONVERSION
INIS: Mar 1991; ETDE: Apr 1991
(Transformation of an electromagnetic wave from one mode of propagation to another.)
RT oscillation modes
RT plasma heating
RT resonance
RT wave propagation

MODE LOCKING
RT lasers
RT mode selection

MODE RATIONAL SURFACES
INIS: Mar 1991; ETDE: Apr 1991
UF *rational surfaces*
*BT1 magnetic surfaces
RT stellarators
RT tokamak devices

MODE SELECTION
INIS: Jun 1984; ETDE: Feb 1978
BT1 tuning
RT frequency selection
RT lasers
RT mode control
RT mode locking
RT oscillation modes

modeling
Use simulation

models (atomic)
Use atomic models

models (biological)
Use biological models

models (cosmological)
Use cosmological models

models (crystal)
Use crystal models

models (flow)
Use flow models

models (functional)
Use functional models

models (linear absorption)
Use linear absorption models

models (mathematical)
Use mathematical models

models (nuclear)
Use nuclear models

models (optical)
Use optical models

models (organizational)
Use organizational models

models (particle)
Use particle models

models (plasma)
Use plasma simulation

models (scale)
Use scale models

models (shell)
Use shell models

models (star)
Use star models

models (statistical)
Use statistical models

models (structural)
Use structural models

MODERATELY ENRICHED URANIUM
(5 - 80 per cent.)
*BT1 enriched uranium

MODERATING DETECTORS
*BT1 neutron detectors
NT1 bonner sphere detectors
NT1 long counters
RT activation detectors
RT bf3 counters

MODERATING RATIO
RT moderators

MODERATOR-FUEL RATIO
RT moderators

MODERATOR PELLETS
INIS: Sep 1975; ETDE: Oct 1975
BT1 pellets
RT moderators
RT pelletizing

MODERATORS
(See also descriptors for specific moderator materials.)
NT1 hydride moderators
NT1 hydroxide moderators
NT1 organic moderators
RT beryllium
RT beryllium alloys
RT beryllium compounds
RT beryllium oxides
RT configuration control
RT graphite
RT heavy water
RT moderating ratio
RT moderator pellets
RT moderator-fuel ratio
RT neutron slowing-down theory
RT reactor cores
RT reactor materials
RT sigma piles
RT thermal columns
RT water

modes (optical)
Use optical modes

modes (oscillation)
Use oscillation modes

modes (single-particle)
Use single-particle modes

MODIFICATIONS
INIS: Jan 1985; ETDE: Apr 1975
RT construction
RT corrections
RT maintenance
RT mitigation
RT optimization
RT retrofitting
RT specifications
RT variations

MODIFIED IN-SITU PROCESSES
INIS: Apr 2000; ETDE: May 1975
(Combination of some underground mining and surface retorting with in-situ retorting techniques.)
NT1 integrated in-situ process
NT1 oxy modified in-situ process
NT1 rise
RT in-situ processing
RT retorting
RT underground mining

modified surface delta potential
Use surface delta potential

modular cogeneration power plants
See dual-purpose power plants

modular construction
Use modular structures

modular integrated utility systems
Use mius

MODULAR STRUCTURES
INIS: Sep 1983; ETDE: Oct 1979
UF *modular construction*
RT camac system
RT construction
RT construction industry
RT energy facilities
RT fabrication
RT industrial plants
RT mechanical structures
RT nuclear instrument modules

MODULATION
NT1 frequency modulation
RT periodicity
RT variations

MOELLER SCATTERING
*BT1 elastic scattering

RT bhabha scattering
RT quantum electrodynamics

MOESSBAUER EFFECT
UF *moessbauer spectroscopy*
RT recoilless fraction
RT recoils
RT resonance fluorescence
RT structural chemical analysis

MOESSBAUER SPECTROMETERS
*BT1 gamma spectrometers

moessbauer spectroscopy
Use moessbauer effect

MOHAWK RIVER
*BT1 rivers
RT new york

mohole project
See earth crust
OR earth mantle

MOISTURE
(Until March 1993, this concept was indexed by HUMIDITY.)
SF *water content*
NT1 humidity
RT moisture gages
RT water

MOISTURE GAGES
(From September 1976 till March 1997 TENSIOMETERS was a valid ETDE descriptor.)
UF *neutron moisture meters*
SF *tensiometers*
BT1 measuring instruments
RT humidity
RT hygrometry
RT moisture
RT neutron probes
RT radiometric gages

moisture separators
Use vapor separators

MOLASSES
INIS: May 1992; ETDE: Apr 1977
UF *syrups*
BT1 food
RT animal feeds
RT saccharides
RT sugar cane

moldavites
Use tektites

MOLDING
UF+ *molding materials*
BT1 fabrication
NT1 briquetting
NT1 pelletizing
RT casting
RT casting molds
RT materials working

molding materials
Use materials
AND molding

MOLDOVA
INIS: Feb 1993; ETDE: Apr 1993
(Until January 1993, this was indexed by USSR.)
SF *soviet union*
SF *union of soviet socialist republics*
SF *ussr*
*BT1 eastern europe
RT black sea

molds
Use fungi

molds (casting)
Use casting molds

MOLECULAR BEAM EPITAXY
INIS: Jun 1994; ETDE: Oct 1982
(Epitaxy induced by molecular beams for the production of thin films.)
UF *mbe*
*BT1 epitaxy
RT crystal growth

MOLECULAR BEAMS
BT1 beams
RT molecules

MOLECULAR BIOLOGY
RT biological effects
RT biological evolution
RT biological pathways
RT biophysics
RT biosynthesis
RT biotechnology
RT dna sequencing
RT genetic engineering
RT metabolism
RT molecules
RT physiology
RT radiobiology
RT strand breaks

MOLECULAR CLUSTERS
INIS: Oct 1992; ETDE: Nov 1992
RT cluster beams

MOLECULAR CRYSTALS
BT1 crystals

MOLECULAR DYNAMICS METHOD
INIS: Jan 1978; ETDE: Apr 1996
BT1 calculation methods
RT computerized simulation
RT many-body problem

molecular fluorescence spectroscopy
Use fluorescence spectroscopy

MOLECULAR ION BEAM INJECTION
*BT1 ion beam injection

MOLECULAR IONS
INIS: Nov 1975; ETDE: Dec 1975
(Coordinate the above descriptor with a descriptor for the specific ion.)
UF *ions (molecular)*
*BT1 ions
NT1 hydrogen ions 2 plus
NT1 hydrogen ions 3 plus
NT1 oxonium ions

MOLECULAR MODELS
BT1 mathematical models
NT1 thermodynamic molecular model

MOLECULAR ORBITAL METHOD
BT1 calculation methods
RT electronic structure
RT lcao method
RT molecular structure

molecular orbital model
Use atomic models
AND molecules

MOLECULAR SIEVE PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process to dehydrate and to remove carbon dioxide and sulfur compounds from natural gas.)
*BT1 desulfurization

MOLECULAR SIEVES
BT1 adsorbents
RT adsorption

MOLECULAR STRUCTURE
UF *structure (molecular)*
NT1 amino acid sequence
RT biological repair
RT bond lengths
RT configuration interaction
RT conformational changes
RT dissociation energy
RT dna sequencing
RT helical configuration
RT interatomic distances
RT lcao method
RT matrix isolation
RT molecular orbital method
RT molecules
RT nucleic acid denaturation
RT optical activity
RT photoelectron spectroscopy
RT photoreactivation
RT protein denaturation
RT protein structure
RT stereochemistry
RT structural chemical analysis
RT structure-activity relationships

MOLECULAR WEIGHT
RT cryoscopy
RT depolymerization
RT molecules
RT osmosis
RT polymerization
RT weight

MOLECULE COLLISIONS
BT1 collisions
NT1 atom-molecule collisions
NT1 electron-molecule collisions
NT1 ion-molecule collisions
NT1 molecule-molecule collisions
NT1 photon-molecule collisions
NT1 positron-molecule collisions

MOLECULE-MOLECULE COLLISIONS
*BT1 molecule collisions

MOLECULES
UF *polyatomic molecules*
UF+ *molecular orbital model*
NT1 mesic molecules
NT2 muonic molecules
RT jahn-teller effect
RT kihara potential
RT matrix isolation
RT micellar systems
RT molecular beams
RT molecular biology
RT molecular structure
RT molecular weight
RT van der waals forces

MOLIERE THEORY
RT multiple scattering

MOLLIER DIAGRAMS
*BT1 diagrams
RT steam
RT thermodynamics

MOLLUSCS
UF *gasteropods*
BT1 aquatic organisms
*BT1 invertebrates
NT1 clams
NT1 mussels
NT1 oysters
NT1 snails
RT benthos

MOLNIYA SATELLITES
BT1 satellites

MOLTEN CARBONATE FUEL CELLS
INIS: Feb 1992; ETDE: Jun 1980
(Prior to June 1980 this information was indexed by the descriptors HIGH-TEMPERATURE FUEL CELLS + MOLTEN SALTS + CARBONATES.)
*BT1 high-temperature fuel cells

molten carbonate process
Use desulfurization

MOLTEN IRON PUREGAS PROCESS
INIS: Apr 2000; ETDE: Jun 1985
(Gasification of coal using oxygen, top and bottom blowing, and a liquid iron bath to produce very pure synthesis gas.)
*BT1 coal gasification

MOLTEN METAL-WATER REACTIONS
INIS: Sep 1977; ETDE: Apr 1977
(Combined physical-chemical explosions produced by sudden contact between high temperature metals and water.)
UF *liquid metal-water reactions*
UF *liquid sodium-water reactions*
UF *metal-water reactions*
UF *sodium(liquid)-water reactions*
UF *sodium-water reactions*
RT chemical reactions
RT explosions
RT fuel-coolant interactions
RT reactor accidents
RT reactor safety

MOLTEN SALT COAL GASIFICATION PROCESS
INIS: Apr 2000; ETDE: Oct 1975
(Crushed and dried coal in preheated steam-oxygen stream is fed with sodium carbonate into gasifier. Raw gas (330 btu/scf) is shifted, purified, methanated, and dehydrated.)
UF *atomics international molten salt process*
UF *molten salt process (atomic international)*
SF *rockwell international process*
*BT1 coal gasification
RT molten salt waste gasification process

molten salt coolants
Use molten salts

MOLTEN SALT COOLED REACTORS
*BT1 molten salt reactors
NT1 msre reactor

MOLTEN SALT FUELED REACTORS
*BT1 fluid fueled reactors
*BT1 molten salt reactors

MOLTEN SALT FUELS
UF *fused salt fuels*
*BT1 liquid fuels
*BT1 nuclear fuels
RT molten salt reactors

molten salt process (atomic international)
Use molten salt coal gasification process

molten salt process (kellogg)
Use kellogg process

molten salt reactor experiment
Use msre reactor

MOLTEN SALT REACTORS
BT1 reactors
NT1 molten salt cooled reactors
NT2 msre reactor
NT1 molten salt fueled reactors
RT metal transfer process
RT molten salt fuels
RT reductive extraction

MOLTEN SALT WASTE GASIFICATION PROCESS
INIS: Apr 1996; ETDE: Jul 1981
SF *rockwell international process*
*BT1 waste processing
RT molten salt coal gasification process
RT molten salts

MOLTEN SALTS
UF *fused salts*
UF *molten salt coolants*
BT1 salts
NT1 flibe
RT coolants
RT molten salt waste gasification process

MOLTING
INIS: Jul 1981; ETDE: Sep 1977
(The shedding of an outer covering as a part of a periodic process of growth.)
UF *moulting*
RT animal growth

MOLTOX OXYGEN PROCESS
INIS: Apr 2000; ETDE: Nov 1986
(Air products and chemicals process for oxygen production.)
RT oxygen plants

moluranite
Use oxide minerals
AND uranium minerals

MOLYBDATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 molybdenum compounds
BT1 oxygen compounds
RT molybdenum oxides

MOLYBDENUM
*BT1 refractory metals
*BT1 transition elements

MOLYBDENUM 100
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 molybdenum isotopes
*BT1 stable isotopes

MOLYBDENUM 100 REACTIONS
INIS: Jun 1984; ETDE: Aug 1984
*BT1 heavy ion reactions

MOLYBDENUM 100 TARGET
BT1 targets

MOLYBDENUM 101
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 molybdenum isotopes

MOLYBDENUM 102
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 molybdenum isotopes

MOLYBDENUM 103
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 molybdenum isotopes

MOLYBDENUM 104
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 molybdenum isotopes

MOLYBDENUM 105
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 molybdenum isotopes
*BT1 seconds living radioisotopes

MOLYBDENUM 106
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 molybdenum isotopes
*BT1 seconds living radioisotopes

MOLYBDENUM 107
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 molybdenum isotopes
*BT1 seconds living radioisotopes

MOLYBDENUM 108
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 molybdenum isotopes
*BT1 seconds living radioisotopes

MOLYBDENUM 109
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 molybdenum isotopes

MOLYBDENUM 84
INIS: Mar 1991; ETDE: Apr 1991
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 molybdenum isotopes

MOLYBDENUM 85
INIS: Apr 1978; ETDE: Jul 1978
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 molybdenum isotopes

MOLYBDENUM 86
INIS: Dec 1994; ETDE: Jan 1995
*BT1 beta-plus decay radioisotopes

*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 molybdenum isotopes
*BT1 seconds living radioisotopes

MOLYBDENUM 87

INIS: Nov 1977; ETDE: Jan 1975
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 molybdenum isotopes
*BT1 seconds living radioisotopes

MOLYBDENUM 88

INIS: Nov 1976; ETDE: Sep 1976
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 molybdenum isotopes

MOLYBDENUM 89

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 minutes living radioisotopes
*BT1 molybdenum isotopes

MOLYBDENUM 90

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 molybdenum isotopes

MOLYBDENUM 91

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 molybdenum isotopes

MOLYBDENUM 92

*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 molybdenum isotopes
*BT1 nanoseconds living radioisotopes
*BT1 stable isotopes

MOLYBDENUM 92 REACTIONS

INIS: Oct 1983; ETDE: Oct 1983
*BT1 heavy ion reactions

MOLYBDENUM 92 TARGET

BT1 targets

MOLYBDENUM 93

*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 molybdenum isotopes
*BT1 years living radioisotopes

MOLYBDENUM 94

*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 molybdenum isotopes
*BT1 nanoseconds living radioisotopes
*BT1 stable isotopes

MOLYBDENUM 94 TARGET

BT1 targets

MOLYBDENUM 95

*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 molybdenum isotopes
*BT1 stable isotopes

MOLYBDENUM 95 TARGET

BT1 targets

MOLYBDENUM 96

*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 molybdenum isotopes
*BT1 stable isotopes

MOLYBDENUM 96 REACTIONS

INIS: Dec 1989; ETDE: Dec 1989
*BT1 heavy ion reactions

MOLYBDENUM 96 TARGET

BT1 targets

MOLYBDENUM 97

*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 molybdenum isotopes
*BT1 stable isotopes

MOLYBDENUM 97 TARGET

BT1 targets

MOLYBDENUM 98

*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 molybdenum isotopes
*BT1 stable isotopes

MOLYBDENUM 98 REACTIONS

INIS: May 1987; ETDE: Dec 1988
*BT1 heavy ion reactions

MOLYBDENUM 98 TARGET

BT1 targets

MOLYBDENUM 99

*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 molybdenum isotopes
RT radioisotope generators

MOLYBDENUM ADDITIONS

(Alloys containing not more than 1% Mo are listed here.)
*BT1 molybdenum alloys
NT1 alloy-ti90al6
NT1 steel-cr12moniv
NT1 steel-cr12mov
NT2 alloy-ht-9
NT1 steel-cr17mo
NT2 stainless steel-440
NT1 steel-cr2mo
NT2 steel-astm-a542
NT1 steel-cr2moninb
NT1 steel-cr2mov
NT1 steel-cr2nimov
NT1 steel-cr5mo
NT1 steel-cr9mo
NT1 steel-cralnimo
NT1 steel-crmo
NT1 steel-crmov
NT1 steel-mncumo
NT2 steel-astm-a537
NT1 steel-mnmo
NT2 steel-astm-a302
NT1 steel-mnnimo
NT2 steel-astm-a533-b
NT1 steel-mnnimov
NT1 steel-ni3crmo
NT2 steel-astm-a543
NT1 steel-ni3crmov
NT1 steel-nicrmo
NT1 steel-nimocr

MOLYBDENUM ALLOYS

(Alloys containing more than 1% Mo.)
UF+ *alloy-ehp-496*
UF+ *alloy-ehp-567*
UF+ *alloy-n55m20v25*
UF+ *alloy-n65m20v15*
UF+ *alloy-ni65mo16cr15w4*
UF+ *alloy-ni80fe16mo4*
UF+ *refractaloy*
UF+ *stainless steel-44ln*
UF+ *steel-cr26ni5mo-l*
*BT1 transition element alloys
NT1 alloy-b-1900
NT1 alloy-co43cr20fe18ni13w3
NT2 havar
NT1 alloy-d-979
NT1 alloy-in-102
NT1 alloy-khn50mbvyu
NT1 alloy-mar-m246
NT1 alloy-mn-21
NT1 alloy-mp35n
NT1 alloy-n-10m
NT1 alloy-n-9m
NT1 alloy-ni43fe30cr22mo3
NT2 incoloy 825
NT1 alloy-ni43fe33cr16mo3
NT2 nimonic pe16
NT1 alloy-ni49cr22fe18mo9
NT2 hastelloy x
NT1 alloy-ni50co20cr15al5mo5
NT2 nimonic 105
NT1 alloy-ni50cr22fe18mo9
NT2 hastelloy xr
NT1 alloy-ni50mo32cr15si3
NT1 alloy-ni53cr19fe19nb5mo3
NT2 inconel 718
NT1 alloy-ni54cr22co13mo9
NT2 inconel 617
NT1 alloy-ni54mo17cr16fe6w4
NT2 hastelloy c
NT1 alloy-ni55co17cr15mo5al4ti4
NT2 astroloy
NT1 alloy-ni55cr19co11mo10ti3
NT2 rene 41
NT1 alloy-ni58cr20co14mo4ti3
NT2 waspaloy
NT1 alloy-ni60co15cr10al6ti5mo3
NT2 alloy-in-100
NT1 alloy-ni61cr16co9al3ti3w3
NT2 alloy-in-738
NT1 alloy-ni61cr22mo9nb4fe3
NT2 inconel 625
NT1 alloy-ni62cr16mo15fe3
NT2 hastelloy s
NT1 alloy-ni65cr25mo10
NT2 nimonic 86
NT1 alloy-ni70mo17cr7fe5
NT2 hastelloy n
NT2 inor-8
NT1 alloy-ni74cr13al6mo4
NT2 inconel 713c
NT1 alloy-ni75cr12al6mo5
NT2 inconel 713lc
NT1 alloy-ni79fe16mo4
NT1 alloy-nx-188
NT1 alloy-ra-333
NT1 alloy-s-590
NT1 alloy-s-816
NT1 alloy-ti78cr11mo7al3
NT1 alloy-ti88mo8al3
NT1 alloy-ti89al6mo3

NT1 alloy-ti90al6mo3
NT1 alloy-ti90mo7al2
NT1 alloy-ti91al4mo3
NT1 alloy-ti91al5cr2
NT1 alloy-v-36
NT1 chlorimet
NT1 chromium-molybdenum steels
NT2 chromium-nickel-molybdenum steels
NT3 alloy-m-813
NT3 steel-cr11ni10mo2ti-l
NT3 steel-cr15ni15motib
NT3 steel-cr16ni13monbv
NT3 steel-cr16ni15mo3nb
NT3 steel-cr16ni16monb
NT3 steel-cr16ni8mo2
NT4 stainless steel-16-8-2
NT3 steel-cr16ni9mo2
NT3 steel-cr17ni12mo3
NT4 stainless steel-316
NT3 steel-cr17ni12mo3-l
NT4 stainless steel-316l
NT4 stainless steel-zcnd17-13
NT3 steel-cr17ni12monb
NT3 steel-cr17ni13mo2ti
NT3 steel-cr17ni13mo3ti
NT3 steel-ni26cr15ti2movalb
NT4 alloy-a-286
NT1 discaloy
NT1 illium
NT1 incoloy 901
NT1 molybdenum additions
NT2 alloy-ti90al6
NT2 steel-cr12moniv
NT2 steel-cr12mov
NT3 alloy-ht-9
NT2 steel-cr17mo
NT3 stainless steel-440
NT2 steel-cr2mo
NT3 steel-astm-a542
NT2 steel-cr2moninb
NT2 steel-cr2mov
NT2 steel-cr2nimov
NT2 steel-cr5mo
NT2 steel-cr9mo
NT2 steel-cralnimo
NT2 steel-crmo
NT2 steel-crmov
NT2 steel-mncumo
NT3 steel-astm-a537
NT2 steel-mnmo
NT3 steel-astm-a302
NT2 steel-mnnimo
NT3 steel-astm-a533-b
NT2 steel-mnnimov
NT2 steel-ni3crmo
NT3 steel-astm-a543
NT2 steel-ni3crmov
NT2 steel-nicrmo
NT2 steel-nimocr
NT1 molybdenum base alloys
NT2 alloy-mo99
NT3 alloy-tzm
NT3 alloy-zm-2a
NT2 alloy-mo99b
NT1 ni-o-nel
NT1 nimonic 115
NT1 rene 80
NT1 rene 95
NT1 rene-100
NT1 sicromo 9m
NT1 stainless steel m-50
NT1 steel-cd-4mcu
NT1 steel-cr10mo2
NT1 steel-cr17ni4mo3
NT1 steel-cr9monbv
NT1 steel-in-787
NT1 timken alloys
NT1 tribaloy 400
NT1 tribaloy 800
NT1 udimet alloys
NT2 alloy-ni53co19cr15mo5al4ti3
NT3 udimet 700
NT2 udimet 500
NT1 vitallium

MOLYBDENUM ARSENIDES
INIS: Apr 2000; ETDE: Mar 1976
*BT1 arsenides
*BT1 molybdenum compounds

MOLYBDENUM BASE ALLOYS
SF *alloy-tzc*
*BT1 molybdenum alloys
NT1 alloy-mo99
NT2 alloy-tzm
NT2 alloy-zm-2a
NT1 alloy-mo99b

MOLYBDENUM BLUE
*BT1 molybdenum oxides
BT1 pigments

MOLYBDENUM BORIDES
*BT1 borides
*BT1 molybdenum compounds

MOLYBDENUM BROMIDES
*BT1 bromides
*BT1 molybdenum compounds

MOLYBDENUM CARBIDES
*BT1 carbides
*BT1 molybdenum compounds

MOLYBDENUM CARBONATES
INIS: Jan 1979; ETDE: Feb 1979
*BT1 carbonates
*BT1 molybdenum compounds

MOLYBDENUM CHLORIDES
*BT1 chlorides
*BT1 molybdenum compounds

MOLYBDENUM COMPLEXES
*BT1 transition element complexes

MOLYBDENUM COMPOUNDS
UF+ *molybdenum nitrates*
BT1 refractory metal compounds
BT1 transition element compounds
NT1 molybdates
NT1 molybdenum arsenides
NT1 molybdenum borides
NT1 molybdenum bromides
NT1 molybdenum carbides
NT1 molybdenum carbonates
NT1 molybdenum chlorides
NT1 molybdenum fluorides
NT1 molybdenum hydrides
NT1 molybdenum hydroxides
NT1 molybdenum iodides
NT1 molybdenum nitrides
NT1 molybdenum oxides
NT2 molybdenum blue
NT1 molybdenum phosphates
NT1 molybdenum phosphides
NT1 molybdenum selenides
NT1 molybdenum silicates
NT1 molybdenum silicides
NT1 molybdenum sulfates
NT1 molybdenum sulfides
NT1 molybdenum tellurides
NT1 molybdic acid
NT1 molybdophosphates
NT1 molybdophosphoric acid

MOLYBDENUM FLUORIDES
*BT1 fluorides
*BT1 molybdenum compounds

MOLYBDENUM HYDRIDES
*BT1 hydrides
*BT1 molybdenum compounds

MOLYBDENUM HYDROXIDES
*BT1 hydroxides
*BT1 molybdenum compounds

MOLYBDENUM IODIDES
*BT1 iodides
*BT1 molybdenum compounds

MOLYBDENUM IONS
*BT1 ions

MOLYBDENUM ISOTOPES
BT1 isotopes
NT1 molybdenum 100
NT1 molybdenum 101
NT1 molybdenum 102
NT1 molybdenum 103
NT1 molybdenum 104
NT1 molybdenum 105
NT1 molybdenum 106
NT1 molybdenum 107
NT1 molybdenum 108
NT1 molybdenum 109
NT1 molybdenum 84
NT1 molybdenum 85
NT1 molybdenum 86
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NT1 molybdenum 88
NT1 molybdenum 89
NT1 molybdenum 90
NT1 molybdenum 91
NT1 molybdenum 92
NT1 molybdenum 93
NT1 molybdenum 94
NT1 molybdenum 95
NT1 molybdenum 96
NT1 molybdenum 97
NT1 molybdenum 98
NT1 molybdenum 99

molybdenum nitrates
Use molybdenum compounds
AND nitrates

MOLYBDENUM NITRIDES
*BT1 molybdenum compounds
*BT1 nitrides

MOLYBDENUM ORES
BT1 ores

MOLYBDENUM OXIDES
*BT1 molybdenum compounds
*BT1 oxides
NT1 molybdenum blue
RT molybdates
RT molybdophosphoric acid
RT oxide minerals

MOLYBDENUM PHOSPHATES
*BT1 molybdenum compounds
*BT1 phosphates

MOLYBDENUM PHOSPHIDES
INIS: Jul 1978; ETDE: Jul 1976
*BT1 molybdenum compounds
*BT1 phosphides

MOLYBDENUM SELENIDES
*BT1 molybdenum compounds
*BT1 selenides

MOLYBDENUM SILICATES
*BT1 molybdenum compounds
*BT1 silicates

MOLYBDENUM SILICIDES
INIS: Oct 1975; ETDE: Jan 1975
*BT1 molybdenum compounds
*BT1 silicides

MOLYBDENUM SULFATES
*BT1 molybdenum compounds
*BT1 sulfates

MOLYBDENUM SULFIDES
*BT1 molybdenum compounds
*BT1 sulfides

MOLYBDENUM TELLURIDES
*BT1 molybdenum compounds
*BT1 tellurides

MOLYBDIC ACID
INIS: Apr 2000; ETDE: Feb 1975
*BT1 inorganic acids
*BT1 molybdenum compounds

MOLYBDOPHOSPHATES
INIS: Sep 1985; ETDE: Oct 1985
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 molybdenum compounds
BT1 oxygen compounds
BT1 phosphorus compounds
RT phosphates

MOLYBDOPHOSPHORIC ACID
INIS: May 1980; ETDE: May 1980
UF *phosphomolybdic acid*
*BT1 inorganic acids
*BT1 molybdenum compounds
BT1 oxygen compounds
BT1 phosphorus compounds
RT heteropolyanions
RT molybdenum oxides
RT phosphoric acid

MOMENT OF INERTIA
UF *inertia*
RT backbending
RT kinetic energy
RT mass
RT mechanics
RT rotation
RT vmi model
RT yrast states

MOMENTS METHOD
BT1 calculation methods
RT plasma fluid equations
RT transport theory

momentum (angular)
Use angular momentum

momentum (linear)
Use linear momentum

momentum (longitudinal)
Use longitudinal momentum

momentum (transverse)
Use transverse momentum

MOMENTUM COOLING
INIS: Apr 1982; ETDE: May 1982
(Gradual reduction of emittance of coasting charged-particle beams by feedback sensing and correcting statistical fluctuations of beam momentum.)
UF *stochastic momentum cooling*
*BT1 stochastic cooling

MOMENTUM TRANSFER
INIS: Feb 1978; ETDE: Nov 1978
UF *transfer (momentum)*
NT1 angular momentum transfer
NT1 four momentum transfer
NT1 linear momentum transfer

MOMOTOMBO GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Jul 1983
BT1 geothermal fields
RT nicaragua

MONACO
BT1 developed countries
*BT1 western europe

MONAZITES
UF *cheralite*
*BT1 phosphate minerals
*BT1 thorium minerals
RT thorium phosphates

MONEL
*BT1 nickel base alloys
NT1 alloy-ni66cu32
NT2 monel 400

MONEL 400
INIS: Nov 1983; ETDE: Dec 1978
*BT1 alloy-ni66cu32

monel r-405
Use alloy-ni66cu32

mongolia
Use mongolian peoples republic

MONGOLIAN PEOPLES REPUBLIC
INIS: Oct 1988; ETDE: Sep 1979
UF *mongolia*
BT1 asia
RT centrally planned economies

mongolism
Use downs syndrome

mongrels
Use dogs

monilia
Use candida

monique event
Use contained explosions
AND nuclear explosions

monitor codes
Use executive codes

MONITORED RETRIEVABLE STORAGE
INIS: Jul 1994; ETDE: Feb 1984
(The long-term isolation of spent fuel and high-level radioactive waste in facilities that permit continuous monitoring, ready retrieval and periodic maintenance as necessary to assure containment of radioactive materials)
*BT1 radioactive waste storage
*BT1 spent fuel storage
RT high-level radioactive wastes
RT spent fuels

MONITORING
(Use of a more specific term is recommended.)
UF *monitoring network*
SF *surveillance*
NT1 acoustic monitoring
NT1 aerial monitoring
NT1 air pollution monitoring
NT2 aerosol monitoring
NT1 beam monitoring
NT1 loose parts monitoring
NT1 radiation monitoring
NT2 personnel monitoring
NT1 temperature monitoring
RT control
RT detection
RT reactor monitoring systems
RT water pollution monitors

monitoring (beam)
Use beam monitoring

monitoring (radiation)
Use radiation monitoring

monitoring network
Use monitoring

MONITORS
INIS: Dec 1984; ETDE: Nov 1980
(Use of a more specific term is recommended.)
BT1 measuring instruments
NT1 air pollution monitors
NT1 beam monitors
NT2 beam scanners
NT2 faraday cups
NT2 magnetoinduction sensors
NT1 failed element monitors
NT1 radiation monitors
NT2 exposure ratemeters
NT2 liquid contamination monitors
NT2 neutron monitors
NT2 surface contamination monitors
NT2 survey monitors
NT1 water pollution monitors
RT reactor monitoring systems

monitors (air pollution)
Use air pollution monitors

monitors (beam)
Use beam monitors

monitors (failed elements)
Use failed element monitors

monitors (radiation)
Use radiation monitors

monitors (reactor)
Use reactor control systems

monitors (water pollution)
Use water pollution monitors

MONJU REACTOR
(Tsuruga, Fukui, Japan)
UF *fast prototype reactor japan*
UF *japan prototype fast reactor*
UF *jpfr reactor*
UF *prototype fast reactor japan*
*BT1 lmfbr type reactors
*BT1 power reactors
*BT1 sodium cooled reactors

MONKEYS
*BT1 primates
NT1 baboons
NT1 macacus
RT apes

monobutyl phosphate
Use mbp

MONOCARBOXYLIC ACIDS
UF+ *ioglycamic acid*
*BT1 carboxylic acids
NT1 abscisic acid

NT1 acetic acid
NT1 acrylic acid
NT1 arachidonic acid
NT1 benzoic acid
NT1 butyric acid
NT1 chlorambucil
NT1 cinnamic acid
NT1 crotonic acid
NT1 decanoic acid
NT1 dodecanoic acid
NT1 eicosanoic acid
NT1 formic acid
NT1 glycolic acid
NT1 heptanoic acid
NT1 hexadecanoic acid
NT1 hexanoic acid
NT1 isobutyric acid
NT1 isovaleric acid
NT1 linoleic acid
NT1 linolenic acid
NT1 methacrylic acid
NT1 nicotinic acid
NT1 nonanoic acid
NT1 octadecanoic acid
NT1 octanoic acid
NT1 oleic acid
NT1 pethidine
NT1 pivalic acid
NT1 propionic acid
NT1 sorbic acid
NT1 tetradecanoic acid
NT1 uronic acids
NT1 valeric acid

monochloroethylene
Use vinyl chloride

MONOCHROMATIC RADIATION
INIS: Feb 1978; ETDE: Apr 1978
*BT1 electromagnetic radiation
RT laser radiation
RT visible radiation

MONOCHROMATORS
RT beam analyzers
RT beam optics
RT spectrometers

MONOCLINIC LATTICES
*BT1 crystal lattices

MONOCLONAL ANTIBODIES
INIS: Sep 1982; ETDE: Jan 1982
BT1 antibodies
RT clone cells
RT hybridomas
RT radioimmunoscintigraphy
RT radioimmunotherapy

monocotyledons
Use liliopsida

MONOCRYSTALS
UF *single crystals*
BT1 crystals
NT1 whiskers
RT dendritic web growth method
RT heat exchanger method
RT verneuil method

MONOCYTES
*BT1 leukocytes

monododecylphosphoric acid
Use mdpa

MONOMERS
NT1 vinyl monomers
RT dimers
RT polymerization
RT polymers

MONONGAHELA RIVER BASIN
INIS: Jan 1992; ETDE: Jul 1977
BT1 watersheds
RT pennsylvania
RT west virginia

MONOPOLES
NT1 magnetic monopoles
RT multipoles

MONOPOLIES
INIS: Feb 1993; ETDE: Mar 1978
(Exclusive control of the supply of goods or services by groups or individuals.)
RT antitrust laws
RT cartels
RT cooperatives
RT market
RT trade

MONORAILS
INIS: Apr 2000; ETDE: Nov 1980
BT1 railways
RT rail transport

MONOSACCHARIDES
*BT1 saccharides
NT1 erythritol
NT1 hexoses
NT2 fructose
NT2 galactose
NT2 glucose
NT2 hexosamines
NT3 glucosamine
NT2 mannose
NT2 sorbose
NT1 inositols
NT2 inositol
NT1 pentoses
NT2 arabinose
NT2 deoxyribose
NT2 ribose
NT2 ribulose
NT2 xylose
NT1 sorbitol
RT gluconic acid

MONOTECTICS
RT eutectics
RT phase diagrams

MONOTECTOIDS
RT eutectoids
RT phase diagrams

monsanto system
Use landgard pyrolysis system

MONSOONS
INIS: Mar 1992; ETDE: Jul 1986
BT1 storms
RT hurricanes
RT rain

MONTAGUE-1 REACTOR
*BT1 bwr type reactors

MONTAGUE-2 REACTOR
*BT1 bwr type reactors

MONTALTO DI CASTRO-1 REACTOR
INIS: Mar 1985; ETDE: Apr 1985
(Latium, Italy.)
UF *alto lazio-1 reactor*
UF *enel-6 reactor*
*BT1 bwr type reactors

MONTALTO DI CASTRO-2 REACTOR
INIS: Mar 1985; ETDE: Apr 1985
(Latium, Italy.)
UF *alto lazio-2 reactor*
UF *enel-8 reactor*
*BT1 bwr type reactors

montan waxes
Use waxes

MONTANA
*BT1 usa
NT1 powder river basin
RT missouri river
RT western us overthrust belt
RT williston basin
RT yellowstone national park

MONTE AMIATA GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Feb 1975
BT1 geothermal fields
RT italy

MONTE CARLO METHOD
BT1 calculation methods
RT fault tree analysis
RT neutron transport theory
RT probability
RT randomness
RT stochastic processes
RT transport theory

montecuccolino rb-1 reactor
Use rb-1 reactor

montecuccolino rb-2 reactor
Use rb-2 reactor

montecuccolino rb-3 reactor
Use rb-3 reactor

MONTHLY VARIATIONS
INIS: Sep 1979; ETDE: Apr 1978
BT1 variations

MONTICELLO REACTOR
(Monticello, Minnesota, USA)
UF *northern states monticello rea*
*BT1 bwr type reactors

MONTMORILLONITE
(Clay minerals.)
UF *hectorite*
*BT1 clays
*BT1 inorganic ion exchangers
RT bentonite

montreal university slowpoke reactor
Use slowpoke-montreal reactor

MONTROSEITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 uranium minerals
RT sandstones

MOON
BT1 satellites
RT apollo project
RT lunar atmosphere
RT lunar materials

MOORINGS
INIS: Apr 2000; ETDE: Aug 1976
RT deep water oil terminals
RT harbors

MORAINES
BT1 geologic deposits

morbidity
Use disease incidence

MORDENITE
INIS: Mar 1993; ETDE: Apr 1975
(A zeolite mineral.)
*BT1 zeolites

MORGANTOWN ENERGY TECHNOLOGY CENTER
INIS: Jun 1993; ETDE: Sep 1980
*BT1 us doe

MORIN
BT1 dyes
*BT1 flavones
*BT1 polyphenols
BT1 reagents

MOROCCO
BT1 africa
BT1 arab countries
BT1 developing countries

MORPHINE
*BT1 alkaloids
*BT1 opium
NT1 thebaine
RT codeine
RT heroin
RT papaver somniferum

MORPHOGENESIS
INIS: Apr 1996; ETDE: May 1996
RT morphology
RT ontogenesis
RT organs
RT shape

MORPHOLINES
*BT1 amines
*BT1 ethers
*BT1 heterocyclic compounds
*BT1 organic nitrogen compounds

MORPHOLOGICAL CHANGES
NT1 ultrastructural changes
RT animal tissues
RT biological effects
RT microscopy
RT morphology
RT plant breeding

MORPHOLOGY
INIS: Feb 1992; ETDE: Jan 1978
(Study of structure or form.)
RT configuration
RT crystal structure
RT morphogenesis
RT morphological changes
RT shape
RT structural models

morris plant
Use midwest fuel recovery plant

MORRISON RULE
(An empirical rule for pomeron exchange.)
RT exchange interactions
RT parity
RT particle interactions
RT pomeranchuk particles
RT spin

MORSE POTENTIAL
BT1 potentials
RT interatomic forces

MORSLEBEN SALT MINE
INIS: Feb 1992; ETDE: Nov 1991
*BT1 radioactive waste facilities
RT intermediate-level radioactive wastes
RT low-level radioactive wastes
RT salt caverns
RT salt deposits
RT underground disposal

MORTALITY
RT death
RT lethal irradiation
RT life span
RT supralethal irradiation
RT survival curves
RT time dependence

MORTARS
RT building materials
RT cements
RT concretes
RT grouting

MOS SOLAR CELLS
INIS: May 1992; ETDE: Jul 1981
UF *metal oxide-semiconductor solar cells*
*BT1 solar cells

MOS TRANSISTORS
(Metal Oxide Silicon transistors)
*BT1 transistors
NT1 mosfet

MOSAICISM
NT1 chimeras
NT2 radiation chimeras
NT1 parabiosis
RT genetic effects
RT mutations

moscow irt-2000 reactor
Use irt-2000 moscow reactor

moscow research reactor
Use mr reactor

moscow wwr-s reactor
Use wwr-s-moscow reactor

MOSFET
(Metal Oxide Silicon Field Effect Transistors)
*BT1 field effect transistors
*BT1 mos transistors

MOSHINSKY TRANSFORMATION
INIS: Apr 2000; ETDE: Jan 1975
(Coefficients for transforming wave functions between laboratory and center-of-mass systems on the basis of the harmonic oscillator.)
*BT1 orthogonal transformations
*BT1 quantum operators

MOSQUITOES
UF *aedes*
UF *anopheles*
*BT1 diptera
RT malaria

MOSSES
*BT1 bryophyta

motels
Use hotels

MOTHS
*BT1 lepidoptera
NT1 bollworm
NT1 codling moth
NT1 lymantria dispar
NT1 rice stem borers
NT1 silkworm

MOTION
NT1 ground motion
NT1 proper motion
NT1 rotation
RT angular momentum
RT brownian movement
RT guiding-center approximation
RT kinetic energy
RT kinetics
RT linear momentum
RT trajectories
RT velocity

MOTION DETECTION SYSTEMS
INIS: Feb 1980; ETDE: Jul 1979
BT1 alarm systems
RT detection
RT intrusion detection systems
RT nuclear materials diversion
RT physical protection devices
RT safeguards
RT security

motor inns
Use hotels

MOTOR VEHICLE ACCIDENTS
BT1 accidents
RT road transport
RT vehicles

MOTOR VEHICLE OPERATORS
INIS: Feb 1993; ETDE: Mar 1980
BT1 personnel
RT automobiles
RT occupants
RT operation
RT vehicles

motor vehicles
Use vehicles

MOTORBOATS
INIS: Apr 2000; ETDE: Jun 1982
RT recreational vehicles
RT ships

MOTORCYCLES
INIS: Apr 2000; ETDE: Jun 1977
BT1 vehicles

MOTORS
BT1 engines
NT1 electric motors
NT2 superconducting motors
NT1 pneumatic motors

MOTT SCATTERING
*BT1 elastic scattering

mottelson-nilsson model
Use nilsson-mottelson model

moulting
Use molting

MOUND LABORATORY
*BT1 us aec
*BT1 us doe
*BT1 us erda
RT ohio

MOUNTAINS
(Prior to June 1996 CARRIZO MOUNTAINS was a valid ETDE descriptor.)
UF *carrizo mountains*
NT1 alps
NT1 andes
NT1 appalachian mountains
NT2 adirondack mountains
NT1 appennines

NT1 cascade mountains
NT2 mt baker
NT2 mt hood
NT2 mt st helens
NT1 colorado plateau
NT1 himalayas
NT1 jemez mountains
NT1 rocky mountains
NT1 san bernardino mountains
NT1 sierra nevada colorado
NT1 urals
NT1 witwatersrand
NT1 yucca mountain
RT complex terrain
RT ice caps
RT orogenesis
RT valleys

mouth
Use oral cavity

MOVING-BOUNDARY CONDITIONS
BT1 boundary conditions

MOVING-BURDEN PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(A three-vessel fluidized bed process for the gasification of coal.)
*BT1 coal gasification

MOVING COIL MAGNETOMETERS
*BT1 magnetometers

MOZAMBIQUE
BT1 africa
BT1 developing countries

mp tandem accelerator
Use crnl mp tandem accelerator

mp35n
Use alloy-mp35n

mpa
Use maximum permissible activity

mpbb
Use maximum permissible body burden

mpc
Use maximum permissible concentration

mpd
Use maximum permissible dose

mpe
Use maximum permissible exposure

MPG
INIS: Dec 1981; ETDE: Feb 1982
UF *2-mercaptopropionylglycine*
*BT1 amino acids
*BT1 radioprotective substances
*BT1 thiols

mpi
Use maximum permissible intake

mpl
Use maximum permissible level

mr-2 moscow reactor
Use rpt reactor

MR REACTOR
INIS: Apr 2000; ETDE: Jan 1975
UF *moscow research reactor*
*BT1 research reactors

mrg process
Use sng processes

MRR REACTOR
(Association of Universities Inc., Upton, New York, USA)
UF *brookhaven medical research reactor*
UF *medical research reactor, bnl*
UF *us aec mrr*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

MS SOLAR CELLS
INIS: May 1992; ETDE: Jul 1981
UF *metal-semiconductor solar cells*
*BT1 solar cells

msmr reactor
Use umrr reactor

MSRE REACTOR
UF *molten salt reactor experiment*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 graphite moderated reactors
*BT1 molten salt cooled reactors
*BT1 power reactors
*BT1 thermal reactors

MSSTF
INIS: Apr 2000; ETDE: Nov 1980
(Mid-temperature Solar System Test Facility at Sandia Laboratories which includes the subsystem test facility and the collector module test facility.)
UF *collector module test facility*
UF *midtemperature solar system test facility*
UF *subsystem test facility*
BT1 test facilities
RT distributed collector power plants
RT sttfua

MST DEVICE
(Madison Symmetric Torus at the University of Wisconsin at Madison, Wisconsin, USA.)
*BT1 reversed-field pinch devices
RT reverse-field pinch

MSU CYCLOTRONS
(Includes 56 MeV proton cyclotron and heavy ion K500 and K800 superconducting cyclotrons.)
UF *michigan state university cyclotrons*
*BT1 isochronous cyclotrons

MT-1 TOKAMAK
INIS: Nov 1989; ETDE: Dec 1989
(Hungarian Academy of Sciences, Budapest, Hungary.)
*BT1 tokamak devices

MT BAKER
INIS: Jun 1992; ETDE: Aug 1976
*BT1 cascade mountains
RT washington

MT HOOD
INIS: Apr 2000; ETDE: Sep 1982
*BT1 cascade mountains
*BT1 oregon

MT ST HELENS
INIS: Jun 1992; ETDE: Aug 1981
*BT1 cascade mountains
RT volcanoes
RT washington

mta atommagkutato intezete
Use atomki

MTHF
UF *methyltetrahydrofuran*
*BT1 tetrahydrofuran

MTR REACTOR
UF *idaho materials testing reactor*
UF *materials testing reactor idaho*
UF *us aec materials testing reactor-idaho*
*BT1 enriched uranium reactors
*BT1 materials testing reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

mtse devices
Use magnetic mirrors

MTX TOKAMAK
INIS: Aug 1993; ETDE: Aug 1993
(Microwave Tokamak eXperiment, Lawrence Livermore Laboratory, USA.)
*BT1 tokamak devices

mu sr
Use muon spin relaxation

MUCOPOLYSACCHARIDES
*BT1 amines
*BT1 polysaccharides
NT1 chitin
NT1 chondroitin
NT1 heparin
NT1 hyaluronic acid
RT glycoproteins

MUCOPROTEINS
*BT1 polysaccharides
*BT1 proteins
NT1 haptoglobins
NT1 intrinsic factor
NT1 phytohemagglutinin
RT chondroitin
RT glycoproteins
RT lysozyme

mucosa
Use mucous membranes

MUCOUS MEMBRANES
UF *mucosa*
BT1 membranes
NT1 conjunctiva
RT epithelium

MUEHLEBERG REACTOR
(Muehleberg, Bern, Switzerland)
UF *akm muehleberg reactor*
UF *akm reactor*
UF *atomkraftwerk muehleberg*
*BT1 bwr type reactors

MUELHEIM-KAERLICH REACTOR
(Muehlheimkaerlich, Rheinlandpfalz, Federal Republic of Germany)
*BT1 pwr type reactors

muenster event
Use anvil project

muf
Use material unaccounted for

MUFFIN-TIN POTENTIAL
BT1 potentials

RT electronic structure
RT wave functions

mulberry alloy
Use alloy-u90nb7zr3

mule deer
Use deer

mullers
See grinding machines
OR mixers

MULLITE
*BT1 inorganic ion exchangers
*BT1 oxide minerals

MULTI-CENTER SHELL MODEL
INIS: Nov 1981; ETDE: Jan 1982
UF *multicenter shell model*
*BT1 shell models

MULTI-CHANNEL ANALYZERS
UF *multichannel analyzers*
*BT1 pulse analyzers

multi-charged ions
Use multicharged ions

MULTI-ELEMENT ANALYSIS
(For analysis of two or more elements or isotopes of different elements.)
UF *multielement analysis*
BT1 chemical analysis

MULTI-ELEMENT SEPARATION
(For mutual separation of 2 or more elements or isotopes of different elements.)
UF *multielement separation*
BT1 separation processes

multi-level analysis
Use multilevel analysis

MULTI-NUCLEON TRANSFER REACTIONS
(More than one nucleon transfered.)
UF *multinucleon transfer reactions*
*BT1 transfer reactions
NT1 four-nucleon transfer reactions
NT2 alpha-transfer reactions
NT1 many-nucleon transfer reactions
NT1 three-nucleon transfer reactions
NT1 two-nucleon transfer reactions

MULTI-PARAMETER ANALYSIS
UF *multiparameter analysis*
RT data processing
RT parametric analysis

multi-particle spectrometers
Use multiparticle spectrometers

MULTI-PHOTON PROCESSES
INIS: Mar 1983; ETDE: Nov 1981
UF *multiphoton processes*
RT energy-level transitions
RT lasers
RT photon emission

multi-wire ionization chambers
Use multiwire ionization chambers

multi-wire proportional chambers
Use multiwire proportional chambers

multicenter shell model
Use multi-center shell model

multichannel analyzers
Use multi-channel analyzers

MULTICHARGED IONS
(With charge 3 and above.)
UF *multi-charged ions*
*BT1 ions
RT heavy ions
RT light ions

multielement analysis
Use multi-element analysis

multielement separation
Use multi-element separation

MULTIGROUP THEORY
*BT1 neutron transport theory
RT group constants

multilamellar lipid vesicles
Use liposomes

MULTILATERAL AGREEMENTS
*BT1 international agreements
NT1 kyoto protocol
NT1 rio declaration

multilateral consultation mechanism, oecd
Use oecd mcmsdrw

MULTILEVEL ANALYSIS
UF *multi-level analysis*
RT breit-wigner formula
RT cross sections
RT r matrix
RT resonance

multinational companies
Use multinational enterprises

MULTINATIONAL ENTERPRISES
INIS: Jan 1980; ETDE: Apr 1978
UF *multinational companies*
UF+ *multinational ownership*
RT international cooperation

multinational ownership
Use multinational enterprises
AND ownership

multinucleon transfer reactions
Use multi-nucleon transfer reactions

multiparameter analysis
Use multi-parameter analysis

MULTIPARTICLE SPECTROMETERS
UF *multi-particle spectrometers*
*BT1 spectrometers

MULTIPERIPHERAL MODEL
UF+ *diffractive dissociation*
*BT1 peripheral models
NT1 cluster emission model
NT2 space-time model
RT abfst equation

MULTIPHASE FLOW
INIS: Aug 1981; ETDE: Mar 1976
(Simultaneous flow of more than two fluid phases in the same flow channel or pipe.)
BT1 fluid flow
RT gas flow
RT liquid flow

multiphoton processes
Use multi-photon processes

MULTIPLE COLLISION METHOD
BT1 calculation methods
RT multiple scattering

MULTIPLE-HEARTH FURNACES
INIS: Apr 2000; ETDE: Dec 1981
BT1 furnaces

MULTIPLE PRODUCTION
BT1 particle production
NT1 pionization
RT centauro-type events
RT charge distribution
RT cluster emission model
RT coherent tube model
RT correlated-particle models
RT limiting fragmentation
RT multiplicity
RT particle decay
RT particle interactions

MULTIPLE SCATTERING
BT1 scattering
RT faddeev equations
RT glauber theory
RT many-body problem
RT moliere theory
RT multiple collision method

MULTIPLETS
NT1 particle multiplets
NT2 baryon decuplets
NT2 baryon octets
NT2 meson nonets
NT2 meson octets
NT1 supermultiplets
NT1 triplets

MULTIPLEXERS
*BT1 electronic equipment
RT data transmission
RT remote multiplexing systems

MULTIPLICATION FACTORS
RT criticality
RT disadvantage factor
RT fast fission factor
RT fission neutrons
RT resonance escape probability
RT thermal fission factor
RT thermal utilization

MULTIPLICITY
RT eigenvalues
RT multiple production
RT quantum numbers

multiplier tubes
Use electron multipliers

MULTIPOLAR CONFIGURATIONS
*BT1 closed configurations
NT1 hexapolar configurations
NT1 octupolar configurations
NT1 quadrupolar configurations
RT fm devices
RT internal ring devices
RT lm devices

MULTIPOLARITY
RT mixing ratio
RT multipole radiation
RT multipoles

MULTIPOLE RADIATION
UF *octupole radiation*
*BT1 electromagnetic radiation
RT multipolarity
RT multipoles

MULTIPOLE TRANSITIONS
INIS: Feb 1978; ETDE: Apr 1978
BT1 energy-level transitions
NT1 e0-transitions

NT1 e1-transitions
NT1 e2-transitions
NT1 e3-transitions
NT1 e4-transitions
NT1 m1-transitions
NT1 m2-transitions
NT1 m3-transitions
NT1 m4-transitions

MULTIPOLES
NT1 dipoles
NT2 electric dipoles
NT2 magnetic dipoles
NT1 hexadecapoles
NT1 hexapoles
NT1 octupoles
NT1 quadrupoles
RT mixing ratio
RT monopoles
RT multipolarity
RT multipole radiation
RT sternheimer formula

multiprocessing
Use parallel processing

multiprocessors
Use array processors

multipurpose applied physics lattice reactor
Use maple type reactors

multipurpose vhtr reactor
Use vhtr reactor

MULTISPECTRAL PHOTOGRAPHY
INIS: Sep 1992; ETDE: Apr 1980
UF *thematic mapping*
BT1 photography
RT remote sensing
RT spectroscopy

MULTISPECTRAL SCANNERS
INIS: Jul 1983; ETDE: Apr 1980
(Instruments for the simultaneous scanning of more than one, usually several, spectral bands of various wavelengths.)
BT1 measuring instruments
RT spectra
RT spectroscopy

multisphere neutron detectors
Use bonner sphere detectors

MULTIVARIATE ANALYSIS
INIS: Mar 1992; ETDE: Apr 1981
*BT1 statistics
RT correlations

MULTIVIBRATORS
UF *schmitt trigger circuits*
*BT1 pulse circuits
NT1 flip-flop circuits
RT pulse generators

multiwire drift chambers
Use drift chambers

MULTIWIRE IONIZATION CHAMBERS
UF *multi-wire ionization chambers*
*BT1 ionization chambers

MULTIWIRE PROPORTIONAL CHAMBERS
UF *charpak chambers*
UF *multi-wire proportional chambers*
UF *mwpc*
*BT1 proportional counters
NT1 drift chambers
NT2 time projection chambers
RT ionization chambers
RT projection spark chambers
RT wire spark chambers

mungbean plants
Use vigna

MUNGBEANS
INIS: Aug 1981; ETDE: Sep 1981
*BT1 beans
BT1 seeds
RT phaseolus
RT vigna

MUNICH COMPACT CYCLOTRON
INIS: Jun 1983; ETDE: Mar 1991
(Prior to March 1991, this concept in ETDE was indexed to MUNICH CYCLOTRON.)
UF *munich cyclotron*
*BT1 isochronous cyclotrons

munich cyclotron
Use munich compact cyclotron

munich research reactor
Use frm reactor

munich superconducting sector cyclotron
Use munich suse cyclotron

MUNICH SUSE CYCLOTRON
INIS: Jul 1984; ETDE: Aug 1984
UF *munich superconducting sector cyclotron*
UF *suse cyclotron (munich)*
*BT1 heavy ion accelerators
*BT1 isochronous cyclotrons

municipal buildings
Use public buildings

municipal law
Use laws

municipal sludge
Use sewage sludge

MUNICIPAL WASTES
INIS: Nov 1975; ETDE: Nov 1975
(Wastes generated in households, commercial and business establishments, schools, hospitals, etc. It excludes industrial and biological wastes, abandoned automobiles, ashes, street sweepings, construction and demolition debris, and sewage sludge. Prior to August 1985 DOMESTIC WASTES was a valid descriptor. See also INDUSTRIAL WASTES, BIOLOGICAL WASTES, ASHES, and SEWAGE SLUDGE.)
UF *domestic wastes*
BT1 wastes
RT chemical wastes
RT pollutants
RT refuse derived fuels
RT scrap
RT solid wastes

municipal wastes (biological)
Use biological wastes

municipal wastes (industrial)
Use industrial wastes

munitions
Use military equipment

MUNTZ METAL
INIS: Apr 2000; ETDE: Dec 1974
*BT1 copper base alloys
*BT1 zinc alloys
RT brass

MUON ANTINEUTRINOS
*BT1 antineutrinos
*BT1 muon neutrinos

MUON-ATOM COLLISIONS
INIS: Jan 1986; ETDE: Mar 1986
*BT1 atom collisions

MUON BEAMS
*BT1 lepton beams
RT muon probes

MUON-CATALYZED FUSION
INIS: Apr 1985; ETDE: May 1985
*BT1 thermonuclear reactions
RT deuterium tritide
RT muonic molecules
RT muons minus

MUON DETECTION
*BT1 charged particle detection
RT cosmic ray detection
RT dumand project

muon-deuteron interactions
Use muon-neutron interactions
AND muon-proton interactions

MUON-MESON INTERACTIONS
(From December 1977 until March 1996 MUON-PION INTERACTIONS was a valid ETDE descriptor.)
UF+ *muon-pion interactions*
*BT1 lepton-meson interactions

MUON-MUON INTERACTIONS
*BT1 lepton-lepton interactions

MUON NEUTRINOS
UF *neutrettos*
*BT1 neutrinos
NT1 muon antineutrinos

MUON-NEUTRON INTERACTIONS
(From February 1975 until March 1996 MUON-DEUTERON INTERACTIONS was a valid ETDE descriptor.)
UF+ *muon-deuteron interactions*
*BT1 muon-nucleon interactions

MUON-NUCLEON INTERACTIONS
*BT1 lepton-nucleon interactions
NT1 muon-neutron interactions
NT1 muon-proton interactions

MUON NUMBER
INIS: Feb 1978; ETDE: Apr 1978
BT1 lepton number
RT muons

MUON PAIRS
INIS: Sep 1975; ETDE: Oct 1975
RT muons minus
RT muons plus
RT pair production

muon-pion interactions
Use muon-meson interactions
AND pions

MUON PROBES
INIS: Aug 1975; ETDE: Aug 1976
(Polarized positive muon beams used to investigate properties of condensed matter.)
BT1 probes
RT muon beams

RT muon spin relaxation
RT muonium
RT muons plus

MUON-PROTON INTERACTIONS
(From February 1975 until March 1996 MUON-DEUTERON INTERACTIONS was a valid ETDE descriptor.)
UF+ *muon-deuteron interactions*
*BT1 muon-nucleon interactions

MUON REACTIONS
*BT1 charged-particle reactions
*BT1 lepton reactions

MUON SPIN RELAXATION
INIS: Feb 1988; ETDE: Nov 1986
(A means of studying the magnetic properties of a material by stopping polarized muons in the material and measuring the muon spin dynamics there.)
UF *mu sr*
UF *muon spin resonance*
UF *muon spin rotation*
BT1 relaxation
RT crystal lattices
RT magnetic properties
RT magnetic resonance
RT muon probes
RT spin orientation

muon spin resonance
Use muon spin relaxation

muon spin rotation
Use muon spin relaxation

MUONIC ATOMS
BT1 atoms
RT mesic atoms
RT muonic ions
RT muonic molecules
RT muons minus
RT pi-mu atoms

MUONIC IONS
INIS: Jan 1978; ETDE: Mar 1978
*BT1 ions
RT muonic atoms
RT muonic molecules

MUONIC MOLECULES
*BT1 mesic molecules
RT muon-catalyzed fusion
RT muonic atoms
RT muonic ions
RT muons minus
RT muons plus

MUONIUM
RT atoms
RT charmonium
RT electrons
RT kaonium
RT muon probes
RT muons plus
RT pionium
RT positronium
RT protonium

MUONS
*BT1 leptons
NT1 cosmic muons
NT1 muons minus
NT1 muons plus
RT electron-muon universality
RT electron-muon-tau universality
RT heavy neutral muons
RT muon number
RT pi-mu atoms

MUONS MINUS
*BT1 muons
RT muon pairs
RT muon-catalyzed fusion
RT muonic atoms
RT muonic molecules

MUONS PLUS
UF *antimuons*
*BT1 antileptons
*BT1 muons
RT muon pairs
RT muon probes
RT muonic molecules
RT muonium

muons, heavy neutral
Use heavy neutral muons

MURA SYNCHROTRON
UF *mark v synchrotron*
*BT1 synchrotrons

murexide
Use dyes
AND organic oxygen compounds
AND pyrimidines

MURR REACTOR
(University of Missouri, Research Park, Columbia, Missouri, USA)
UF *columbia missouri research reactor*
UF *missouri university/columbia research reactor*
UF *university of missouri/columbia research reactor*
*BT1 enriched uranium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 training reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

musashi institute of technology triga reactor
Use triga-2-musashi reactor

MUSCLES
UF+ *muscular tissue*
NT1 diaphragm
NT1 myoblasts
NT1 myocardium
RT actin
RT exercise
RT limbs
RT myoglobin
RT myosarcomas
RT radiation syndrome
RT sarcoplasmic reticulum
RT tendons
RT tongue
RT trichinosis
RT tropomyosin

MUSCOVITE
(A mineral of the mica group.)
*BT1 mica

musculamine
Use spermine

muscular tissue
Use animal tissues
AND muscles

museum objects
Use cultural objects

museums
Use educational facilities

MUSHROOMS
*BT1 fungi

MUSSELS
INIS: Mar 1992; ETDE: Jun 1981
*BT1 molluscs

mustard
Use brassica

mustard (nitrogen)
Use nitrogen mustard

MUTAGEN SCREENING
INIS: Mar 1992; ETDE: Nov 1978
UF *ames test*
UF *screening (mutagen)*
RT biological indicators
RT carcinogen screening
RT cell cultures
RT mutagenesis
RT mutagens
RT mutants
RT mutations
RT teratogen screening
RT testing

MUTAGENESIS
RT dna adducts
RT doxorubicin
RT genetic control
RT genotype
RT mutagen screening
RT mutagens
RT mutants
RT mutations

mutagenic pathways
Use biological pathways

MUTAGENS
(For both chemical and physical agents.)
UF *chemical mutagens*
NT1 ems
NT1 methyl methanesulfonate
NT1 methyl nitrosourea
NT1 proflavine
RT antibiotics
RT antimitotic drugs
RT carcinogens
RT dna adducts
RT drugs
RT environmental exposure
RT ionizing radiations
RT mutagen screening
RT mutagenesis
RT neocarcinostatin
RT nitrogen mustard
RT nitrosamines
RT occupational exposure
RT pesticides
RT plant breeding
RT polycyclic aromatic hydrocarbons
RT radiation equivalence
RT radiomimetic drugs
RT teratogens
RT tumor promoters
RT viruses

MUTANTS
NT1 radiation induced mutants
NT1 revertants
RT adventitious bud technique
RT disease resistance
RT hereditary diseases
RT mutagen screening
RT mutagenesis
RT mutations
RT plant breeding

MUTATION FREQUENCY
UF *aberration yield*
RT mutations

mutation induction pathways
Use biological pathways

MUTATIONS
NT1 chromosomal aberrations
NT2 chromosome breakage
NT2 sister chromatid exchanges
NT1 dominant mutations
NT1 gene mutations
NT1 genome mutations
NT1 lethal mutations
NT1 recessive mutations
NT1 somatic mutations
NT1 spontaneous mutations
RT adventitious bud technique
RT congenital malformations
RT dna base transitions
RT dna mismatch
RT genetic control
RT genetic effects
RT hereditary diseases
RT meiosis
RT mosaicism
RT mutagen screening
RT mutagenesis
RT mutants
RT mutation frequency
RT plant breeding
RT pyrimidine dimers
RT reproduction
RT revertants

mutsu (nuclear ship)
Use ns mutsu

MUTSU REACTOR
UF *japan ship reactor mutsu*
UF *nuclear ship mutsu reactor*
UF *ship reactor mutsu*
*BT1 pwr type reactors
*BT1 ship propulsion reactors
RT ns mutsu

mutualism
Use symbiosis

MWD SYSTEMS
INIS: Aug 1992; ETDE: Dec 1978
(Sensors and data transmission equipment for real-time measurements while drilling.)
UF *downhole information systems*
UF *logging while drilling*
UF *measurement while drilling*
SF *sigmalog*
BT1 real time systems
RT drilling
RT offshore drilling
RT on-line systems
RT telemetry
RT well drilling
RT well logging
RT well logging equipment

mwpc
Use multiwire proportional chambers

mx devices
Use mftf devices

MYANMAR
(Until January 1999 this concept was indexed by BURMA.)
UF *burma*
BT1 asia
BT1 developing countries

MYCELIUM
BT1 plant tissues
RT fungi

MYCOBACTERIUM
*BT1 bacteria
NT1 mycobacterium tuberculosis
RT leprosy

MYCOBACTERIUM TUBERCULOSIS
*BT1 mycobacterium
RT tuberculosis

MYCOPLASMA
BT1 microorganisms
NT1 acholeplasma laidlawii b
RT bacteria

MYCORRHIZAS
INIS: Jun 1993; ETDE: Jun 1977
(A symbiotic association of fungi and the roots of plants.)
BT1 symbiosis
RT frankia
RT fungi
RT locust trees

MYCOSES
*BT1 fungal diseases
RT fungi

MYCOTOXINS
INIS: Sep 1992; ETDE: Aug 1994
*BT1 toxins
NT1 aflatoxins
RT fungi
RT toxicity

MYELIN
*BT1 cell membranes
*BT1 lipoproteins
RT cholesterol
RT nerve cells
RT nerves

MYELITIS
*BT1 nervous system diseases
NT1 poliomyelitis
RT spinal cord

MYELOID LEUKEMIA
*BT1 leukemia
RT philadelphia chromosome
RT polycythemia

MYLAR
*BT1 plastics
*BT1 polyesters
RT glycols

MYLERAN
UF *busulfan*
BT1 alkylating agents

MYOBLASTS
BT1 muscles
RT myocardium

MYOCARDIAL INFARCTION
*BT1 cardiovascular diseases
RT blood circulation
RT coronaries
RT ischemia
RT myocardium

MYOCARDIUM
*BT1 heart
BT1 muscles
RT coronaries
RT myoblasts
RT myocardial infarction

MYOGLOBIN
*BT1 globins
BT1 pigments
*BT1 porphyrins
RT muscles

myometrium
Use uterus

MYOSARCOMAS
*BT1 sarcomas
NT1 rhabdomyosarcomas
RT muscles

MYOSIN
*BT1 globulins
RT tropomyosin

myristic acid
Use tetradecanoic acid

myxedema
Use hypothyroidism

MYXOMYCETES
UF *slime fungi*
*BT1 fungi

MZFR REACTOR
(Leopoldshafen, Karlsruhe, Federal Republic of Germany)
UF *mehrzweck-forschungsreaktor*
*BT1 natural uranium reactors
*BT1 phwr type reactors
*BT1 power reactors
*BT1 test reactors
*BT1 thermal reactors

N

n-1150 resonances
See n*baryons

N-1440 BARYONS
(Prior to December 1987 this concept was indexed by N-1470RESONANCES.)
UF *n-1470 resonances*
UF *roper resonance*
*BT1 n baryons

n-1470 resonances
Use n-1440 baryons

N-1520 BARYONS
(Prior to December 1987 this concept was indexed by N-1520RESONANCES.)
UF *n-1520 resonances*
*BT1 n baryons

n-1520 resonances
Use n-1520 baryons

N-1535 BARYONS
(Prior to December 1987 this concept was indexed by N-1535RESONANCES.)
UF *n-1535 resonances*
*BT1 n baryons

n-1535 resonances
Use n-1535 baryons

N-1650 BARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 n baryons

N-1675 BARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 n baryons

N-1680 BARYONS
(Prior to December 1987 this concept was indexed by N-1680RESONANCES.)
UF *n-1680 resonances*
UF *n-1688 resonances*
*BT1 n baryons

n-1680 resonances
Use n-1680 baryons

n-1688 resonances
Use n-1680 baryons

N-1700 BARYONS
(Prior to December 1987 this concept was indexed by N-1700RESONANCES.)
UF *n-1700 resonances*
*BT1 n baryons

n-1700 resonances
Use n-1700 baryons

N-1710 BARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 n baryons

N-1720 BARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 n baryons

n-1780 resonances
See n*baryons

n-1860 resonances
See n*baryons

N-1960 BARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 n baryons

N-1990 BARYONS
(Prior to December 1987 this concept was indexed by N-1990RESONANCES.)
UF *n-1990 resonances*
*BT1 n baryons

n-1990 resonances
Use n-1990 baryons

N-2000 BARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 n baryons

n-2040 resonances
See n*baryons

N-2080 BARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 n baryons

N-2100 BARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 n baryons

N-2190 BARYONS
(Prior to December 1987 this concept was indexed by N-2190RESONANCES.)
UF *n-2190 resonances*
*BT1 n baryons

n-2190 resonances
Use n-2190 baryons

N-2250 BARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 n baryons

N-3000 BARYONS
(Prior to December 1987 this concept was indexed by N-3030RESONANCES.)
UF *n-3030 resonances*
*BT1 n baryons

n-3030 resonances
Use n-3000 baryons

N BARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 n*baryons
NT1 n-1440 baryons
NT1 n-1520 baryons
NT1 n-1535 baryons
NT1 n-1650 baryons
NT1 n-1675 baryons
NT1 n-1680 baryons
NT1 n-1700 baryons
NT1 n-1710 baryons
NT1 n-1720 baryons
NT1 n-1960 baryons
NT1 n-1990 baryons
NT1 n-2000 baryons
NT1 n-2080 baryons
NT1 n-2100 baryons
NT1 n-2190 baryons
NT1 n-2250 baryons
NT1 n-3000 baryons

N CODES
BT1 computer codes

N-D METHOD
BT1 calculation methods
RT dispersion relations
RT partial waves

n-ethyl maleimide
Use nem

n-o-iodobenzoylaminoacetate
Use hippuran

N-REACTOR
UF *npr reactor*
UF *power-plutonium production reactor richland*
UF *richland npr reactor*
UF *richland power-plutonium production reactor*
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 plutonium production reactors
*BT1 power reactors
RT wnp-1 reactor

N SHELL
INIS: Nov 1979; ETDE: Oct 1978
(Atomic electron shells.)
UF *atomic shells (n)*
BT1 electronic structure

N-TYPE CONDUCTORS
*BT1 semiconductor materials
RT p-n junctions

N*BARYONS
(Prior to December 1987 this concept was indexed by N*RESONANCES.)
UF *delta resonances (baryon)*
UF *isobars (nucleon)*
UF *n*resonances*
UF *nucleon isobars*
SF *delta-1877 resonances*
SF *n-1150 resonances*
SF *n-1780 resonances*
SF *n-1860 resonances*
SF *n-2040 resonances*
*BT1 baryons
NT1 delta baryons
NT2 delta-1232 baryons
NT2 delta-1600 baryons
NT2 delta-1620 baryons
NT2 delta-1700 baryons
NT2 delta-1900 baryons
NT2 delta-1905 baryons
NT2 delta-1910 baryons
NT2 delta-1920 baryons
NT2 delta-1930 baryons
NT2 delta-1950 baryons
NT2 delta-2000 baryons
NT2 delta-2150 baryons
NT2 delta-2200 baryons
NT2 delta-2400 baryons
NT2 delta-2420 baryons
NT2 delta-3000 baryons
NT1 n baryons
NT2 n-1440 baryons
NT2 n-1520 baryons
NT2 n-1535 baryons
NT2 n-1650 baryons
NT2 n-1675 baryons
NT2 n-1680 baryons
NT2 n-1700 baryons
NT2 n-1710 baryons
NT2 n-1720 baryons
NT2 n-1960 baryons
NT2 n-1990 baryons
NT2 n-2000 baryons
NT2 n-2080 baryons
NT2 n-2100 baryons
NT2 n-2190 baryons
NT2 n-2250 baryons
NT2 n-3000 baryons
RT fractional-parentage coefficients

n*resonances
Use n*baryons

n,n-ethylenebis(2-(o-hydroxyphenyl)glycine)
Use eddha

naa
Use neutron activation analysis

NABARLEK DEPOSIT
INIS: Jul 1978; ETDE: Aug 1978
*BT1 uranium deposits
RT northern territory
RT uranium ores

NAC CYCLOTRON
INIS: Jun 1983; ETDE: Jul 1983
(Separated-sector cyclotron of the National Accelerator Centre, Faure, Republic of South Africa.)
UF *faure cyclotron*
UF *nacssc*
UF *national accelerator center (south africa) cyclotron*
UF *south africa nac cyclotron*
*BT1 heavy ion accelerators
*BT1 isochronous cyclotrons

nacssc
Use nac cyclotron

NAD
(Nicotinamide-Adenine Dinucleotide)
UF *coenzyme i*
UF *nicotinamide-adenine dinucleotide*
BT1 coenzymes
*BT1 nucleotides
RT nicotinamide
RT pyridines

NADH2
UF *diphosphodihydropyridine nucleotide*

UF *reduced nicotinamide-adenine dinucleotide*
BT1 coenzymes
*BT1 nucleotides
RT nicotinamide

NADP

(Nicotinamide-Adenine Dinucleotide Phosphate)
UF *coenzyme ii*
UF *nicotinamide-adenine dinucleotide phosphate*
BT1 coenzymes
*BT1 nucleotides
RT nicotinamide

NAEGITE

INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 thorium minerals
*BT1 uranium minerals
RT thorium oxides
RT uranium oxides
RT zirconium oxides

NAGASAKI

*BT1 japan
RT a-bomb survivors
RT nuclear explosions
RT nuclear weapons

NAHCOLITE

INIS: Apr 2000; ETDE: Apr 1975
(White monoclinic mineral consisting of natural sodium bicarbonate.)
*BT1 carbonate minerals
RT integrated in-situ process
RT sodium carbonates

NAI DETECTORS

INIS: Sep 1979; ETDE: Feb 1979
UF *sodium iodide detectors*
*BT1 solid scintillation detectors

NAILS

*BT1 skin
RT fingers

nak

Use potassium alloys
AND sodium alloys

NAK COOLED REACTORS

(Prior to March 1986 this concept was indexed by coordination of POTASSIUM COOLED REACTORS and SODIUM COOLED REACTORS.)
*BT1 liquid metal cooled reactors
NT1 ebr-1 reactor
NT1 s10fs-1 reactor
NT1 s10fs-3 reactor
NT1 s10fs-4 reactor
NT1 s2ds reactor
NT1 s8dr reactor
NT1 s8er reactor
NT1 ser reactor
NT1 snaptran reactors
RT potassium cooled reactors
RT sodium cooled reactors

nal synchrotron

Use fermilab accelerator

NAMAFJALL GEOTHERMAL FIELD

INIS: Apr 2000; ETDE: Feb 1975
BT1 geothermal fields
RT iceland

NAMIBIA

(Until July 1984 this country was known as South West Africa and older material is so indexed.)
UF *south west africa*
UF *southwest africa*
BT1 africa
RT south africa

NANO AMP BEAM CURRENTS

INIS: Feb 1976; ETDE: Oct 1975
(From 10 exp -9 to 10 exp -6 amp.)
*BT1 beam currents

NANOSECONDS LIVING RADIOISOTOPES

INIS: Nov 1980; ETDE: Feb 1975
(From 10 exp -9 to 10 exp -6 sec; prior to June 2003 NANOSEC LIVING RADIOISOTOPES was used for this concept)
*BT1 radioisotopes
NT1 actinium 217
NT1 antimony 113
NT1 antimony 117
NT1 astatine 213
NT1 astatine 214
NT1 barium 138
NT1 bismuth 211
NT1 bromine 83
NT1 cesium 113
NT1 fermium 256
NT1 fluorine 18
NT1 francium 211
NT1 francium 212
NT1 francium 213
NT1 francium 215
NT1 francium 216
NT1 gadolinium 147
NT1 gadolinium 148
NT1 krypton 86
NT1 krypton 97
NT1 lead 194
NT1 lead 200
NT1 molybdenum 92
NT1 molybdenum 94
NT1 neptunium 237
NT1 osmium 182
NT1 phosphorus 25
NT1 plutonium 237
NT1 polonium 210
NT1 polonium 212
NT1 potassium 40
NT1 protactinium 219
NT1 protactinium 220
NT1 radium 216
NT1 radon 210
NT1 radon 211
NT1 radon 214
NT1 rubidium 85
NT1 sodium 22
NT1 thorium 218
RT half-life
RT lifetime

NANOSTRUCTURES

Mar 2003
(Components, devices, or structures in the nanometer size range, where quantum effects are often seen. Coordinate with other descriptors asappropriate. From March to October 2003 NANOSTRUCTURE was used for this concept.)
SF *nanotechnology*
NT1 nanotubes
NT1 quantum dots
NT1 quantum wells
NT1 quantum wires
RT electronic structure
RT electrons
RT microstructure
RT semiconductor materials
RT solids

nanotechnology

See appropriate technology
OR nanostructures
OR technology utilization

NANOTUBES

Nov 2003
BT1 nanostructures

NAP-M STORAGE RING

INIS: Aug 1975; ETDE: Oct 1975
BT1 storage rings

napap

Use us napap

NAPHTHA

INIS: Apr 2000; ETDE: Feb 1975
(Fraction of coal tar oil distilling in range 160-220C; petroleum distilling in range 175-204C.)
BT1 distillates
NT1 ligroin
RT petroleum products

NAPHTHALENE

*BT1 condensed aromatics
*BT1 hydrocarbons
RT acenaphthene
RT decalin
RT tetralin

naphthalic acid

Use phthalic acid

naphthenes

Use hydroaromatics

NAPHTHOLS

UF *hydroxynaphthalenes*
UF *naphthols-alpha*
UF *naphthols-beta*
UF+ *acid chrome dyes*
UF+ *beryllon*
UF+ *dsnadns*
*BT1 phenols
NT1 1-nitroso-2-naphthol
NT1 nitroso-r salt
NT1 pan
NT1 thorin
NT1 trypan blue

naphthols-alpha

Use naphthols

naphthols-beta

Use naphthols

NAPHTHYL RADICALS

*BT1 aryl radicals

NARCOTICS

UF *opiates*
*BT1 central nervous system depressants
NT1 heroin
NT1 methadone hydrochloride
NT1 opium
NT2 morphine
NT3 thebaine
NT1 pethidine
RT analgesics
RT anesthetics
RT enkephalins
RT hypnotics and sedatives

NARORA-1 REACTOR

(Narora, Uttar Pradesh, India)
*BT1 natural uranium reactors

*BT1 phwr type reactors
*BT1 power reactors

NARORA-2 REACTOR
(Narora, Uttar Pradesh, India)
*BT1 natural uranium reactors
*BT1 phwr type reactors
*BT1 power reactors

NASA
UF *national aeronautics and space administration*
*BT1 us organizations

nasa-test reactor
Use pbr reactor

nasa-tr reactor
Use pbr reactor

nasopharynx
Use pharynx

national accelerator center (south africa) cyclotron
Use nac cyclotron

national accelerator laboratory
Use fermilab accelerator

national acid precipitation assessment program
Use us napap

national aeronautics and space administration
Use nasa

national bureau of standards
Use us nbs

national bureau of standards reactor
Use nbsr reactor

national center of systems reliability
Use ncsr

NATIONAL COAL MODEL
INIS: Apr 2000; ETDE: Aug 1980
BT1 energy models
RT coal

NATIONAL CONTROL
*BT1 atomic energy control
RT reactor commissioning
RT reactor decommissioning
RT reactor dismantling

national council on radiation protection/measurements (us)
Use us ncrp

NATIONAL DEFENSE
UF *defense*
SF *defense production act*
NT1 ballistic missile defense
NT1 civil defense
RT military assistance
RT military facilities
RT missile silos
RT nuclear weapons
RT space weapons
RT warfare

national electric reliability councils
Use electric reliability councils

NATIONAL ENERGY ACTS
INIS: Mar 1992; ETDE: Aug 1993
(Prior to February 1992 this was a valid ETDE descriptor. From February 1992 to August 1993 this concept in ETDE was indexed to US NATIONAL ENERGY ACT.)
UF *us national energy act*
BT1 laws
NT1 us energy tax act
NT1 us national energy conservation policy act
NT1 us natural gas policy act
NT1 us power plant and industrial fuel use act
NT1 us public utility regulatory policies act
RT national energy plans
RT us national energy plan
RT us national program plans

NATIONAL ENERGY CONSERVATION INCENTIVES ACT
INIS: Apr 2000; ETDE: Nov 1979
BT1 laws
RT energy conservation
RT financial incentives

national energy conservation policy act
Use us national energy conservation policy act

NATIONAL ENERGY PLANS
INIS: Aug 1992; ETDE: Sep 1992
*BT1 energy policy
NT1 us national energy plan
RT energy conservation
RT national energy acts

national energy security corporation
Use synthetic fuels corporation

national enterprises
Use public enterprises

national environmental policy act
Use us national environmental policy act

NATIONAL GOVERNMENT
INIS: Nov 1980; ETDE: Mar 1978
(Use only when needed to make a distinction with the terms local government and/or state government.)
UF *federal government*
UF+ *federal expenditures*
RT centrally planned economies
RT government policies
RT institutional sector
RT legislation
RT local government
RT national organizations
RT public officials
RT regulations
RT state government
RT us federal assistance programs

national ignition facility
Use us national ignition facility

national institute for occupational safety and health
Use us niosh

national institute for petroleum and energy research
Use us niper

national institute of radiological science cyclotron
Use nirs cyclotron

national instituut voor kernfysica en hogeenergiefysica
Use nikhef

national oceanic and atmospheric administration
Use us noaa

NATIONAL ORGANIZATIONS
NT1 argentine organizations
NT2 argentine arn
NT2 argentine cnea
NT2 argentine invap
NT1 armenian organizations
NT1 australian organizations
NT2 ansto
NT1 austrian organizations
NT2 seibersdorf research centre
NT1 bangladesh organizations
NT1 belgian organizations
NT1 brazilian organizations
NT2 brazilian cnen
NT2 brazilian lnls
NT2 nuclebras
NT1 bulgarian organizations
NT1 canadian organizations
NT2 atomic energy of canada ltd
NT3 chalk river nuclear labs
NT3 wnre
NT2 canadian aecb
NT1 chinese organizations
NT2 chinese nnsa
NT2 ciae
NT1 colombian organizations
NT2 ian
NT1 czech organizations
NT2 sujb
NT2 ujv
NT2 uvvvr
NT1 danish organizations
NT2 danish atomic energy commission
NT2 risoe national laboratory
NT3 risoe research establishment
NT1 finnish organizations
NT1 french organizations
NT2 cea
NT3 cea bruyeres-le-chatel
NT3 cea cadarache
NT3 cea fontenay-aux-roses
NT3 cea grenoble
NT3 cea la hague
NT3 cea marcoule
NT3 cea pierrelatte
NT3 cea saclay
NT2 cogema
NT3 cogema la hague
NT3 cogema marcoule
NT3 cogema pierrelatte
NT2 electricite de france
NT1 german fr organizations
NT2 bundesamt fuer strahlenschutz
NT2 forschungszentrum juelich
NT2 forschungszentrum karlsruhe
NT2 gesellschaft fuer anlagen- und reaktorsicherheit
NT2 ipp garching
NT2 reaktorsicherheitskommission
NT2 strahlenschutzkommission
NT2 wak
NT2 zfi leipzig
NT2 zfk rossendorf
NT1 greek organizations
NT1 hungarian organizations
NT2 atomki

- **NT1** indian organizations
  - **NT2** barc
  - **NT2** igcar
- **NT1** iranian organizations
  - **NT2** iranian atomic energy organization
  - **NT2** tehran nuclear research centre
- **NT1** iraqi organizations
  - **NT2** iraqi atomic energy commission
    - **NT3** iraqi nuclear research centre
- **NT1** israeli organizations
  - **NT2** israel atomic energy commission
    - **NT3** negev nuclear research center
    - **NT3** soreq nuclear research center
- **NT1** italian organizations
  - **NT2** cise
  - **NT2** italian enea
    - **NT3** cnen
  - **NT2** italian enel
- **NT1** japanese organizations
  - **NT2** jaeri
  - **NT2** jnc
  - **NT2** jnsda
  - **NT2** pnc
- **NT1** kazakhstan organizations
- **NT1** korean organizations
  - **NT2** kaeri
- **NT1** lithuanian organizations
- **NT1** malaysian organizations
  - **NT2** mint
  - **NT2** puspati
- **NT1** mexican organizations
- **NT1** netherlands organizations
  - **NT2** ecn
    - **NT3** rcn
  - **NT2** iko
  - **NT2** iri
  - **NT2** kvi
  - **NT2** nikhef
- **NT1** new zealand organizations
- **NT1** norwegian organizations
- **NT1** philippine organizations
  - **NT2** philippine nuclear research institute
    - **NT3** philippine atomic energy commission
    - **NT3** philippine atomic research center
- **NT1** polish organizations
  - **NT2** panstwowa agencja atomistyki
- **NT1** romanian organizations
- **NT1** russian organizations
  - **NT2** gosatomnadzor rossii
  - **NT2** ihep
  - **NT2** st petersburg institute of nuclear physics
- **NT1** slovak organizations
  - **NT2** cyclotron center of the slovak republic
  - **NT2** ujd
  - **NT2** vuje
- **NT1** south african organizations
- **NT1** spanish organizations
- **NT1** swedish organizations
- **NT1** swiss organizations
- **NT1** turkish organizations
  - **NT2** turkish atomic energy authority
- **NT1** ukrainian organizations
- **NT1** united kingdom organizations
  - **NT2** bnfl
  - **NT2** british coal
  - **NT2** ncsr
  - **NT2** nrpb
  - **NT2** uk national physical laboratory
  - **NT2** uk nii
  - **NT2** ukaea
    - **NT3** aere
    - **NT3** culham laboratory
- **NT1** uruguayan organizations
- **NT1** us organizations
  - **NT2** federal radiation council
  - **NT2** nasa
  - **NT2** national science foundation
  - **NT2** naval research laboratory
  - **NT2** orau
  - **NT2** orins
  - **NT2** synthetic fuels corporation
  - **NT2** tennessee valley authority
  - **NT2** us acda
  - **NT2** us aec
    - **NT3** ames laboratory
    - **NT3** anl
    - **NT3** bettis
    - **NT3** bnl
    - **NT3** feed materials production center
    - **NT3** hapo
    - **NT3** idaho chemical processing plant
    - **NT3** kapl
    - **NT3** lawrence berkeley laboratory
    - **NT3** lawrence livermore laboratory
    - **NT3** mound laboratory
    - **NT3** ornl
    - **NT3** paducah plant
    - **NT3** rocky flats plant
    - **NT3** sandia laboratories
    - **NT3** savannah river plant
    - **NT3** sequoyah uf6 production plant
    - **NT3** y-12 plant
  - **NT2** us ceq
  - **NT2** us cia
  - **NT2** us department of treasury
    - **NT3** us irs
  - **NT2** us doa
    - **NT3** us forest service
    - **NT3** us rea
  - **NT2** us doc
    - **NT3** us nbs
  - **NT2** us dod
    - **NT3** us corps of engineers
  - **NT2** us doe
    - **NT3** alaska power administration
    - **NT3** ames laboratory
    - **NT3** anl
    - **NT3** atomics international canoga park plant
    - **NT3** bartlesville energy technology center
    - **NT3** battelle pacific northwest laboratories
    - **NT3** bettis
    - **NT3** bnl
    - **NT3** bonneville power administration
    - **NT3** economic regulatory administration
    - **NT3** environmental measurements laboratory
    - **NT3** feed materials production center
    - **NT3** fermilab
    - **NT3** hanford engineering development laboratory
    - **NT3** hanford reservation
    - **NT3** hapo
    - **NT3** idaho chemical processing plant
    - **NT3** idaho national engineering laboratory
    - **NT3** inhalation toxicology research institute
    - **NT3** kansas city plant
    - **NT3** kapl
    - **NT3** lanl
    - **NT3** laramie energy research center
    - **NT3** laramie energy technology center
    - **NT3** lawrence berkeley laboratory
    - **NT3** lawrence livermore national laboratory
      - **NT4** lawrence livermore laboratory
    - **NT3** morgantown energy technology center
    - **NT3** mound laboratory
    - **NT3** national renewable energy laboratory
    - **NT3** nevada test site
    - **NT3** oak ridge reservation
    - **NT3** orgdp
    - **NT3** ornl
    - **NT3** paducah plant
    - **NT3** pantex plant
    - **NT3** pinellas plant
    - **NT3** pittsburgh energy technology center
    - **NT3** portsmouth centrifuge enrichment plant
    - **NT3** portsmouth gaseous diffusion plant
    - **NT3** rocky flats plant
    - **NT3** sandia national laboratories
      - **NT4** sandia laboratories
    - **NT3** savannah river plant
    - **NT3** sequoyah uf6 production plant
    - **NT3** southeastern power administration
    - **NT3** southwestern power administration
    - **NT3** stanford linear accelerator center
    - **NT3** us doe field offices
    - **NT3** us doe inspector general
    - **NT3** us energy extension service
    - **NT3** us energy information administration
    - **NT3** us ferc
    - **NT3** us msha
    - **NT3** us niper
    - **NT3** usur
    - **NT3** western area power administration
    - **NT3** wipp
    - **NT3** y-12 plant
  - **NT2** us doi
    - **NT3** us bureau of mines
    - **NT3** us bureau of reclamation
    - **NT3** us fws
    - **NT3** us gs
    - **NT3** us osm
  - **NT2** us doj
    - **NT3** federal bureau of investigation
  - **NT2** us dol
    - **NT3** us osha
  - **NT2** us dos
  - **NT2** us dot
    - **NT3** us coast guard
    - **NT3** us faa
  - **NT2** us epa
  - **NT2** us erda
    - **NT3** ames laboratory
    - **NT3** anl
    - **NT3** atomics international canoga park plant
    - **NT3** battelle columbus laboratory
    - **NT3** battelle pacific northwest laboratories
    - **NT3** bettis
    - **NT3** bnl
    - **NT3** feed materials production center
    - **NT3** hanford reservation
    - **NT3** hapo
    - **NT3** idaho chemical processing plant
    - **NT3** idaho national engineering laboratory
    - **NT3** kansas city plant
    - **NT3** kapl
    - **NT3** laramie energy research center
    - **NT3** lawrence berkeley laboratory
    - **NT3** lawrence livermore laboratory
    - **NT3** mound laboratory
    - **NT3** oak ridge reservation
    - **NT3** orgdp
    - **NT3** ornl
    - **NT3** paducah plant
    - **NT3** pantex plant
    - **NT3** pinellas plant
    - **NT3** portsmouth gaseous diffusion plant

NT3 rocky flats plant
NT3 sandia laboratories
NT3 savannah river plant
NT3 sequoyah uf6 production plant
NT3 stanford linear accelerator center
NT3 y-12 plant
NT2 us fea
NT2 us federal power commission
NT2 us fema
NT2 us gao
NT2 us gsa
NT2 us hew
NT3 us fda
NT2 us hud
NT2 us jcae
NT2 us national academy of science
NT2 us ncrp
NT2 us niosh
NT2 us noaa
NT2 us nrc
NT2 us nuclear data network
NT2 us ota
NT2 us postal service
NT2 us veterans administration
NT1 vietnamese organizations
RT international organizations
RT national government
RT nuclear operators

national program plans
Use us national program plans

national radioactive waste repository in mochovce
Use mochovce radioactive waste repository

national radiological protection board
Use nrpb

national reactor testing station
Use idaho national engineering laboratory

national reactor testing station burst facility
Use pbf reactor

NATIONAL RENEWABLE ENERGY LABORATORY
INIS: May 1992; ETDE: Apr 1994
(Until June 1994 this was indexed by SOLAR ENERGY RESEARCHINSTITUTE.)
UF *nrel*
UF *seri*
UF *solar energy research institute*
*BT1 us doe
RT solar energy

NATIONAL SCIENCE FOUNDATION
*BT1 us organizations

NATIONAL SECURITY
INIS: Apr 1984; ETDE: Dec 1979
BT1 security
RT ballistic missile defense
RT classified information
RT nuclear deterrence
RT security violations

national synchrotron light source
Use nsls

NATIONALIZATION
INIS: Mar 1986; ETDE: Jun 1980
(Takeover by government, with or without compensation, of a public or private activity.)
RT centrally planned economies
RT economic policy
RT government policies

NATO
INIS: Jun 1987; ETDE: Feb 1976
(North Atlantic Treaty Organization.)
UF *north atlantic treaty organization*
BT1 international organizations

NATROAUTUNITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 uranium minerals
RT uranium phosphates

natural activity
Use natural radioactivity

NATURAL ANALOGUE
INIS: Sep 1993; ETDE: Nov 1993
UF *geologic natural analogue*
RT geologic formations
RT geologic structures
RT radioactive waste disposal
RT radionuclide migration
RT uranium deposits
RT uranium mines

NATURAL BRIDGES NATIONAL MONUMENT
INIS: Apr 2000; ETDE: Sep 1981
BT1 public lands
RT photovoltaic power supplies
RT utah

natural circulation
Use natural convection

NATURAL CONVECTION
(Heat transfer by natural convection.)
UF *free convection*
UF *natural circulation*
UF+ *natural draft cooling towers*
*BT1 convection
RT thermosyphons

natural depletion
Use primary recovery

natural disaster (exceptional)
Use exceptional natural disaster

NATURAL DISASTERS
INIS: Feb 1999; ETDE: Mar 1996
(Occurrences such as large-scale drought, glacier movement, floods, fires, storms, etc. From June 1978 until March 1996 DISASTERS was used for this concept in ETDE.)
SF *disasters*
NT1 exceptional natural disaster
RT explosions
RT fires
RT floods
RT rain
RT snow
RT storms
RT tsunamis
RT weather
RT wind

natural draft cooling towers
Use cooling towers
AND natural convection

NATURAL GAS
*BT1 fossil fuels
*BT1 fuel gas
NT1 abiogenic gas
NT1 liquefied natural gas
RT alaska gas pipeline
RT arctic gas pipelines
RT deregulation
RT flaring
RT gas heat pumps
RT gas hydrates
RT gas meters
RT gas spills
RT gasbuggy event
RT lng plants
RT master metering
RT natural gas deposits
RT natural gas distribution systems
RT natural gas industry
RT natural gas wells
RT petrochemistry
RT polar gas project
RT primary recovery
RT public utilities
RT refinery gases
RT rio blanco event
RT storage facilities
RT wasatch formation

natural gas appliances
Use gas appliances

NATURAL GAS DEPOSITS
INIS: Aug 1991; ETDE: Sep 1975
BT1 geologic deposits
*BT1 mineral resources
NT1 natural gas fields
NT2 gas condensate fields
RT acidization
RT geologic traps
RT geophysical surveys
RT geopressured systems
RT natural gas
RT petroleum geology
RT powder river basin
RT reserves
RT seeps
RT wasatch formation
RT well logging equipment
RT western us overthrust belt

NATURAL GAS DISTRIBUTION SYSTEMS
INIS: Feb 1992; ETDE: Nov 1976
UF *natural gas gathering systems*
SF *energy transport*
SF *transport (energy)*
BT1 energy systems
RT ferc gas areas
RT gas utilities
RT natural gas
RT pipelines

NATURAL GAS FIELDS
INIS: Feb 1992; ETDE: Mar 1976
(Surface boundaries of areas from which commercially valuable natural gas is obtained.)
UF *gas fields*
*BT1 natural gas deposits
NT1 gas condensate fields
RT field production equipment
RT natural gas wells
RT reservoir fluids
RT reservoir rock
RT well injection equipment
RT well recovery equipment
RT well spacing

NATURAL GAS FUEL CELLS
INIS: May 1992; ETDE: Jan 1975
*BT1 fuel cells

natural gas gathering systems
Use natural gas distribution systems

NATURAL GAS HYDRATE DEPOSITS
INIS: Apr 2000; ETDE: Jan 1983
UF *methane hydrate deposits*
BT1 geologic deposits
RT arctic regions
RT gas hydrates

NATURAL GAS INDUSTRY
INIS: Dec 1991; ETDE: Nov 1975
BT1 industry
NT1 lng industry
RT ferc gas areas
RT gas utilities
RT natural gas
RT natural gas processing plants
RT us natural gas policy act

NATURAL GAS LIQUIDS
INIS: Apr 1992; ETDE: Jun 1975
(Liquid hydrocarbon mixtures that are gaseous at reservoir temperatures and pressures, but are recoverable by condensation or absorption.)
UF *natural gasoline*
UF *ngl*
*BT1 liquids
NT1 gas condensates
NT1 lease condensates
NT1 liquefied petroleum gases
NT1 plant condensates
RT liquefied natural gas

natural gas policy act
Use us natural gas policy act

NATURAL GAS PROCESSING PLANTS
INIS: Apr 1992; ETDE: Jul 1976
UF *natural gasoline plants*
BT1 industrial plants
RT natural gas industry

NATURAL GAS WELLS
INIS: Jan 1992; ETDE: Oct 1975
UF *gas wells*
BT1 wells
RT abandoned wells
RT blowout preventers
RT drill stem testing
RT dry holes
RT exploratory wells
RT field production equipment
RT gas condensate wells
RT hydraulic equipment
RT interstitial water
RT natural gas
RT natural gas fields
RT perforation
RT propping agents
RT rod pumps
RT sand consolidation
RT water influx
RT well completion
RT well injection equipment
RT well pressure
RT well recovery equipment
RT well servicing
RT well stimulation
RT wellhead prices
RT wellheads

natural gasoline
Use natural gas liquids

natural gasoline plants
Use natural gas processing plants

NATURAL KILLER CELLS
INIS: Jan 1992; ETDE: Feb 1992
UF *nk cells*
*BT1 leukocytes
RT immunity
RT lymphocytes

natural language
Use programming languages

natural lighting
Use daylighting

natural mutations
Use spontaneous mutations

NATURAL NUCLEAR REACTORS
INIS: Jan 1979; ETDE: Feb 1979
NT1 oklo phenomenon
RT chain reactions
RT criticality
RT reactors
RT uranium ores

NATURAL OCCURRENCE
INIS: Jul 1985; ETDE: Apr 1975
RT earth crust
RT element abundance
RT geochemistry
RT isotope ratio
RT ore composition
RT radioisotopes

NATURAL RADIOACTIVITY
(For unspecified naturally occurring radioisotopes only.)
UF *natural activity*
BT1 radioactivity
RT background radiation
RT daughter products
RT gamma logging
RT polonium
RT potassium 40
RT radium
RT radon
RT thorium
RT uranium

natural reactor oklo
Use oklo phenomenon

NATURAL RUBBER
UF *rubber (natural)*
*BT1 rubbers
RT dielectric materials
RT guayule
RT latex
RT rubber trees

NATURAL STEAM
INIS: May 1992; ETDE: Jan 1975
(Geothermal steam containing incondensible gases such as carbon dioxide and hydrogen sulfide with minor amounts of other gases.)
UF *geothermal steam*
*BT1 geothermal fluids
BT1 steam

NATURAL UNITS
(Based on fundamental constants.)
BT1 units
NT1 uniton
RT fundamental constants

NATURAL URANIUM
*BT1 uranium

NATURAL URANIUM REACTORS
(Reactors primarily fueled with natural uranium.)
BT1 reactors
NT1 agesta reactor
NT1 aquilon reactor
NT1 atucha reactor
NT1 atucha-2 reactor
NT1 bepo reactor
NT1 bohunice a-1 reactor
NT1 bohunice a-2 reactor
NT1 br-1 reactor
NT1 bruce-1 reactor
NT1 bruce-2 reactor
NT1 bruce-3 reactor
NT1 bruce-4 reactor
NT1 bruce-5 reactor
NT1 bruce-6 reactor
NT1 bruce-7 reactor
NT1 bruce-8 reactor
NT1 cernavoda-1 reactor
NT1 cesar reactor
NT1 cirus reactor
NT1 cordoba reactor
NT1 cp-2 reactor
NT1 cp-3 reactor
NT1 darlington-1 reactor
NT1 darlington-2 reactor
NT1 darlington-3 reactor
NT1 darlington-4 reactor
NT1 dhruva reactor
NT1 diorit reactor
NT1 douglas point ontario reactor
NT1 eco reactor
NT1 el-1 reactor
NT1 el-2 reactor
NT1 essor reactor
NT1 f-1 reactor
NT1 fr-2 reactor
NT1 gentilly reactor
NT1 gentilly-2 reactor
NT1 gleep reactor
NT1 hew-305 reactor
NT1 hwzpr reactor
NT1 jatr reactor
NT1 jrr-3 reactor
NT1 kaiga-1 reactor
NT1 kaiga-2 reactor
NT1 kakrapar-1 reactor
NT1 kakrapar-2 reactor
NT1 kalpakkam-1 reactor
NT1 kalpakkam-2 reactor
NT1 kanupp reactor
NT1 magnox type reactors
NT2 berkeley reactor
NT2 bradwell reactor
NT2 calder hall a-1 reactor
NT2 calder hall a-2 reactor
NT2 calder hall b-3 reactor
NT2 calder hall b-4 reactor
NT2 chapelcross-1 reactor
NT2 chapelcross-2 reactor
NT2 chapelcross-3 reactor
NT2 chapelcross-4 reactor
NT2 dungeness-a reactor
NT2 hinkley point-a reactor
NT2 hunterston-a reactor
NT2 latina reactor
NT2 oldbury-a reactor
NT2 sizewell-a reactor
NT2 tokai-mura reactor
NT2 trawsfynydd reactor
NT2 wylfa reactor
NT1 marius reactor
NT1 mzfr reactor
NT1 narora-1 reactor
NT1 narora-2 reactor
NT1 npd reactor
NT1 nru reactor
NT1 nrx reactor
NT1 pickering-1 reactor
NT1 pickering-2 reactor
NT1 pickering-3 reactor

NT1 pickering-4 reactor
NT1 pickering-5 reactor
NT1 pickering-6 reactor
NT1 pickering-7 reactor
NT1 pickering-8 reactor
NT1 point lepreau-1 reactor
NT1 point lepreau-2 reactor
NT1 pse reactor
NT1 r-1 reactor
NT1 r-b reactor
NT1 rajasthan-1 reactor
NT1 rajasthan-2 reactor
NT1 rajasthan-3 reactor
NT1 rajasthan-4 reactor
NT1 taiwan research reactor
NT1 windscale production reactors
NT1 wolsung-1 reactor
NT1 wolsung-2 reactor
NT1 wolsung-3 reactor
NT1 wolsung-4 reactor
NT1 x-10 reactor
NT1 zed-2 reactor
NT1 zeep reactor
NT1 zephyr reactor
RT ebr-1 reactor
RT eole reactor
RT nora reactor
RT pdp reactor

natural uranium target
Use uranium 238 target

NATURE RESERVES
INIS: Mar 1992; ETDE: Aug 1978
UF *environmental parks*
UF *wilderness areas*
BT1 resources
RT biosphere
RT ecosystems
RT environment
RT land use
RT wilderness protection acts

NAURU
INIS: Mar 1987; ETDE: Nov 1987
*BT1 micronesia
RT pacific ocean

NAUSEA
BT1 symptoms
RT digestive system diseases

naval oil shale reserves
Use us naval oil shale reserves

naval petroleum reserve
Use us naval petroleum reserves

naval reactors
Use ship propulsion reactors

NAVAL RESEARCH LABORATORY
*BT1 us organizations

naval research laboratory cyclotron
Use nrl cyclotron

naval research laboratory linac
Use nrl linac

navier-stokes equation
Use navier-stokes equations

NAVIER-STOKES EQUATIONS
(Prior to January 1983 the form NAVIER-STOKES EQUATION was used.)
UF *navier-stokes equation*
*BT1 partial differential equations
RT equations of motion
RT fluid mechanics
RT incompressible flow
RT viscous flow

NAVIGATION
INIS: Apr 1992; ETDE: Mar 1982
(Steering a course.)
RT aircraft
RT barges
RT ships
RT transport

NAVIGATIONAL INSTRUMENTS
RT aircraft
RT buoys
RT electronic guidance
RT inertial guidance
RT rockets
RT ships
RT space vehicles

NBI CYCLOTRON
INIS: Jun 1985; ETDE: Jul 1985
UF *niels bohr institute cyclotron*
*BT1 cyclotrons

nbs (us)
Use us nbs

nbs synchrotron ultraviolet radiation facility
Use surf ii storage ring

NBSR REACTOR
(National Bureau of Standards, Washington, D.C., USA)
UF *national bureau of standards reactor*
UF *us nbs reactor*
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 materials testing reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors

ncrp (us)
Use us ncrp

NCSCR-1 REACTOR
UF *north carolina state college research reactor-1*
UF *raleigh-ncsc research reactor-1*
*BT1 aqueous homogeneous reactors
*BT1 enriched uranium reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

NCSR
INIS: Nov 1975; ETDE: Jun 1976
(National Centre of Systems Reliability)
UF *national center of systems reliability*
*BT1 united kingdom organizations
RT systems analysis

ncuspr reactor
Use pulstar-raleigh reactor

nda remote experiment station
Use prr reactor

ndpp
Use amines
AND aromatics
AND ketones
AND nitro compounds

NEA
(Nuclear Energy Agency of the OECD; until April 1972 known as European Nuclear Energy Agency.)
UF *enea*
UF *european nuclear energy agency*
UF *nuclear energy agency*
UF *nuclear energy agency (oecd)*
*BT1 oecd

NEAR INFRARED RADIATION
(Wavelength range 0.8-2.5 microns)
*BT1 infrared radiation

NEAR ULTRAVIOLET RADIATION
(Wavelength range 4000-2000 A.)
*BT1 ultraviolet radiation

NEBRASKA
*BT1 usa
RT missouri river
RT north platte river basin

NEBULAE
NT1 crab nebula
NT1 planetary nebulae
NT1 solar nebula
RT cosmic dust
RT cosmic gases
RT galaxies
RT h2 regions
RT herbig-haro objects

NEC COMPUTERS
INIS: Aug 1992; ETDE: Oct 1984
(Computers manufactured by Nippon Electric Company Ltd.)
BT1 computers
RT supercomputers

NECK
BT1 body
RT carotid arteries
RT larynx
RT parathyroid glands
RT pharynx
RT thyroid

NECKAR-1 REACTOR
(Until March 1992, this information was indexed by NECKAR REACTOR.)
UF *gemeinschaftskernkraftwerk neckar*
UF *gkn-1 reactor (neckar)*
UF *neckar reactor*
SF *gkn reactor (neckar)*
*BT1 pwr type reactors

NECKAR-2 REACTOR
INIS: Nov 1979; ETDE: Nov 1979
UF *gkn-2 reactor (neckar)*
SF *gkn reactor (neckar)*
*BT1 pwr type reactors

neckar reactor
Use neckar-1 reactor

NECROSIS
BT1 pathological changes
NT1 gangrene
NT1 osteoradionecrosis
RT fistulae
RT ischemia
RT ulcers
RT wounds

NEEDLE CHAMBERS
*BT1 proportional counters

neel point
Use neel temperature

NEEL TEMPERATURE
UF *neel point*
*BT1 transition temperature
RT antiferromagnetism
RT magnetic susceptibility

NEGATIVE ENERGY STATES
BT1 energy levels

negative ions
Use anions

NEGATIVE MASS
BT1 hypothesis
BT1 mass
RT relativity theory

NEGATIVE MASS EFFECT
RT beam dynamics
RT negative mass instability
RT plasma instability

NEGATIVE MASS INSTABILITY
*BT1 plasma microinstabilities
RT negative mass effect

negatons
Use electrons

negatrons
Use electrons

NEGEV NUCLEAR RESEARCH CENTER
INIS: Nov 1979; ETDE: Nov 1979
*BT1 israel atomic energy commission

NEGOTIATION
INIS: Mar 1993; ETDE: Jul 1987
(Action or process of conferring with others through conference, discussion, and compromise. From March 1981 till March 1997 MEDIATION was a valid ETDE descriptor.)
SF *mediation*
RT agreements
RT treaties

NELKIN THEORY
BT1 transport theory

NELSON RIVER
INIS: Apr 2000; ETDE: Oct 1975
*BT1 rivers
RT canada

NEM
INIS: May 1976; ETDE: Aug 1976
(N-ethyl maleimide)
UF *n-ethyl maleimide*
*BT1 antimitotic drugs
*BT1 imides
*BT1 radiosensitizers

nemata
Use nematodes

NEMATODES
UF *nemata*
UF *worms (round)*
*BT1 aschelminthes
NT1 ascaridae
NT2 ascaris
NT1 dictyocaulus
NT1 hookworm
NT1 trichinella
RT filariasis
RT parasites

NEMBUTAL
UF *pentobarbital*
*BT1 barbiturates

NEOCARCINOSTATIN
INIS: Dec 1979; ETDE: Jan 1980
*BT1 antibiotics
*BT1 antineoplastic drugs
*BT1 radiomimetic drugs
RT antimitotic drugs
RT chemotherapy
RT mutagens
RT neoplasms

NEOCLASSICAL TRANSPORT THEORY
INIS: Nov 1982; ETDE: Jan 1979
*BT1 charged-particle transport theory
RT banana regime
RT bootstrap current
RT pfirsch-schlueter regime
RT plasma
RT plateau regime

neocupferron
Use amines

NEODYMIUM
*BT1 rare earths

NEODYMIUM 127
INIS: Oct 1984; ETDE: Nov 1984
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
BT1 neodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

NEODYMIUM 128
INIS: Oct 1984; ETDE: Nov 1984
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
BT1 neodymium isotopes
*BT1 rare earth nuclei

NEODYMIUM 129
INIS: Jun 1977; ETDE: Oct 1977
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
BT1 neodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

NEODYMIUM 130
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
BT1 neodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

NEODYMIUM 131
INIS: Jun 1977; ETDE: Oct 1977
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
BT1 neodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

NEODYMIUM 132
INIS: Jun 1977; ETDE: Oct 1977
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
BT1 neodymium isotopes
*BT1 rare earth nuclei

NEODYMIUM 133
INIS: Jun 1977; ETDE: Oct 1977
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
BT1 neodymium isotopes
*BT1 rare earth nuclei

NEODYMIUM 134
INIS: Jan 1976; ETDE: Feb 1975
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
BT1 neodymium isotopes
*BT1 rare earth nuclei

NEODYMIUM 135
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
BT1 neodymium isotopes
*BT1 rare earth nuclei

NEODYMIUM 136
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
BT1 neodymium isotopes
*BT1 rare earth nuclei

NEODYMIUM 137
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
BT1 neodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

NEODYMIUM 138
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
BT1 neodymium isotopes
*BT1 rare earth nuclei

NEODYMIUM 139
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
BT1 neodymium isotopes
*BT1 rare earth nuclei

NEODYMIUM 140
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
BT1 neodymium isotopes
*BT1 rare earth nuclei

NEODYMIUM 141
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
BT1 neodymium isotopes
*BT1 rare earth nuclei

NEODYMIUM 142
*BT1 even-even nuclei
BT1 neodymium isotopes
*BT1 rare earth nuclei
*BT1 stable isotopes

NEODYMIUM 142 REACTIONS
INIS: Feb 1984; ETDE: Feb 1984
*BT1 heavy ion reactions

NEODYMIUM 142 TARGET
BT1 targets

NEODYMIUM 143
*BT1 even-odd nuclei
BT1 neodymium isotopes
*BT1 rare earth nuclei
*BT1 stable isotopes

NEODYMIUM 143 TARGET
BT1 targets

NEODYMIUM 144
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
BT1 neodymium isotopes
*BT1 rare earth nuclei
*BT1 years living radioisotopes

NEODYMIUM 144 TARGET
BT1 targets

NEODYMIUM 145
*BT1 even-odd nuclei
BT1 neodymium isotopes
*BT1 rare earth nuclei
*BT1 stable isotopes

NEODYMIUM 145 TARGET
BT1 targets

NEODYMIUM 146
*BT1 even-even nuclei
BT1 neodymium isotopes
*BT1 rare earth nuclei
*BT1 stable isotopes

NEODYMIUM 146 TARGET
BT1 targets

NEODYMIUM 147
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 internal conversion radioisotopes
BT1 neodymium isotopes
*BT1 rare earth nuclei

NEODYMIUM 147 TARGET
INIS: Jul 1980; ETDE: Aug 1980
BT1 targets

NEODYMIUM 148
*BT1 even-even nuclei
BT1 neodymium isotopes
*BT1 rare earth nuclei
*BT1 stable isotopes

NEODYMIUM 148 TARGET
BT1 targets

NEODYMIUM 149
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
BT1 neodymium isotopes
*BT1 rare earth nuclei

NEODYMIUM 149 TARGET
INIS: Jul 1980; ETDE: Aug 1980
BT1 targets

NEODYMIUM 150
*BT1 even-even nuclei
BT1 neodymium isotopes
*BT1 rare earth nuclei
*BT1 stable isotopes
RT neodymium 150 reactions

NEODYMIUM 150 REACTIONS
*BT1 heavy ion reactions
RT neodymium 150

NEODYMIUM 150 TARGET
BT1 targets

NEODYMIUM 151
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
BT1 neodymium isotopes
*BT1 rare earth nuclei

NEODYMIUM 152
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
BT1 neodymium isotopes
*BT1 rare earth nuclei

NEODYMIUM 153
INIS: Aug 1987; ETDE: Oct 1987
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
BT1 neodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

NEODYMIUM 154
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
BT1 neodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

NEODYMIUM 155
INIS: Aug 1987; ETDE: Sep 1987
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
BT1 neodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

NEODYMIUM 156
INIS: Aug 1987; ETDE: Oct 1987
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
BT1 neodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

NEODYMIUM ADDITIONS
(Alloys containing not more than 1% Nd are listed here.)
*BT1 neodymium alloys
*BT1 rare earth additions

NEODYMIUM ALLOYS
(Alloys containing more than 1% Nd.)
*BT1 rare earth alloys
NT1 neodymium additions
NT1 neodymium base alloys

NEODYMIUM BASE ALLOYS
*BT1 neodymium alloys

NEODYMIUM BORIDES
*BT1 borides
*BT1 neodymium compounds

NEODYMIUM BROMIDES
*BT1 bromides
*BT1 neodymium compounds

NEODYMIUM CARBIDES
*BT1 carbides
*BT1 neodymium compounds

NEODYMIUM CARBONATES
*BT1 carbonates
*BT1 neodymium compounds

NEODYMIUM CHLORIDES
*BT1 chlorides
*BT1 neodymium compounds

NEODYMIUM COMPLEXES
*BT1 rare earth complexes

NEODYMIUM COMPOUNDS
BT1 rare earth compounds
NT1 neodymium borides
NT1 neodymium bromides
NT1 neodymium carbides
NT1 neodymium carbonates
NT1 neodymium chlorides
NT1 neodymium fluorides
NT1 neodymium hydrides
NT1 neodymium hydroxides
NT1 neodymium iodides
NT1 neodymium nitrates
NT1 neodymium nitrides
NT1 neodymium oxides
NT1 neodymium perchlorates
NT1 neodymium phosphates
NT1 neodymium silicates
NT1 neodymium silicides
NT1 neodymium sulfates
NT1 neodymium sulfides
NT1 neodymium tellurides
NT1 neodymium tungstates

NEODYMIUM FLUORIDES
*BT1 fluorides
*BT1 neodymium compounds

NEODYMIUM HYDRIDES
*BT1 hydrides
*BT1 neodymium compounds

NEODYMIUM HYDROXIDES
*BT1 hydroxides
*BT1 neodymium compounds

NEODYMIUM IODIDES
*BT1 iodides
*BT1 neodymium compounds

NEODYMIUM IONS
*BT1 ions

NEODYMIUM ISOTOPES
NT1 neodymium 127
NT1 neodymium 128
NT1 neodymium 129
NT1 neodymium 130
NT1 neodymium 131
NT1 neodymium 132
NT1 neodymium 133
NT1 neodymium 134
NT1 neodymium 135
NT1 neodymium 136
NT1 neodymium 137
NT1 neodymium 138
NT1 neodymium 139
NT1 neodymium 140
NT1 neodymium 141
NT1 neodymium 142
NT1 neodymium 143
NT1 neodymium 144
NT1 neodymium 145
NT1 neodymium 146
NT1 neodymium 147
NT1 neodymium 148
NT1 neodymium 149
NT1 neodymium 150
NT1 neodymium 151
NT1 neodymium 152
NT1 neodymium 153
NT1 neodymium 154
NT1 neodymium 155
NT1 neodymium 156

NEODYMIUM LASERS
*BT1 solid state lasers

RT gdl facility
RT gekko facility
RT nova facility
RT novette facility
RT octal 82 facility
RT omega facility
RT phebus facility
RT shiva facility
RT trident facility
RT vulcan facility

NEODYMIUM NITRATES
*BT1 neodymium compounds
*BT1 nitrates

NEODYMIUM NITRIDES
*BT1 neodymium compounds
*BT1 nitrides

NEODYMIUM OXIDES
*BT1 neodymium compounds
*BT1 oxides

NEODYMIUM PERCHLORATES
*BT1 neodymium compounds
*BT1 perchlorates

NEODYMIUM PHOSPHATES
*BT1 neodymium compounds
*BT1 phosphates

NEODYMIUM SILICATES
*BT1 neodymium compounds
*BT1 silicates

NEODYMIUM SILICIDES
*BT1 neodymium compounds
*BT1 silicides

NEODYMIUM SULFATES
*BT1 neodymium compounds
*BT1 sulfates

NEODYMIUM SULFIDES
*BT1 neodymium compounds
*BT1 sulfides

NEODYMIUM TELLURIDES
INIS: Mar 1976; ETDE: Jan 1975
*BT1 neodymium compounds
*BT1 tellurides

NEODYMIUM TUNGSTATES
INIS: Feb 1980; ETDE: Jun 1977
*BT1 neodymium compounds
*BT1 tungstates

neogene period
Use tertiary period

NEOHYDRIN
UF *chlormerodrin*
*BT1 diuretics

NEOMYCIN
(Until February 1999, this concept was indexed by the broader term ANTIBIOTICS.)
*BT1 antibiotics

NEON
*BT1 rare gases

NEON 16
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 neon isotopes

NEON 17
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 neon isotopes

NEON 18
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 neon isotopes
*BT1 seconds living radioisotopes

NEON 19
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 neon isotopes
*BT1 seconds living radioisotopes

NEON 19 BEAMS
INIS: Nov 1988; ETDE: Dec 1988
*BT1 radioactive ion beams

NEON 20
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 neon isotopes
*BT1 stable isotopes
RT neon 20 beams
RT neon 20 reactions

NEON 20 BEAMS
*BT1 ion beams
RT neon 20

NEON 20 REACTIONS
*BT1 heavy ion reactions
RT neon 20

NEON 20 TARGET
BT1 targets

NEON 21
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 neon isotopes
*BT1 stable isotopes

NEON 21 TARGET
BT1 targets

NEON 22
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 neon isotopes
*BT1 stable isotopes
RT neon 22 beams
RT neon 22 reactions

NEON 22 BEAMS
*BT1 ion beams
RT neon 22

NEON 22 REACTIONS
*BT1 heavy ion reactions
RT neon 22

NEON 22 TARGET
BT1 targets

NEON 23
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 neon isotopes
*BT1 seconds living radioisotopes

NEON 24
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 minutes living radioisotopes
*BT1 neon isotopes

NEON 24 DECAY RADIOISOTOPES
INIS: Mar 1986; ETDE: Jun 1989
*BT1 heavy ion decay radioisotopes
NT1 protactinium 231
NT1 thorium 230
NT1 uranium 232
NT1 uranium 233
NT1 uranium 234
RT neon 24 emission decay

NEON 24 EMISSION DECAY
INIS: Mar 1986; ETDE: Jun 1989
*BT1 heavy ion emission decay
RT neon 24 decay radioisotopes

NEON 25
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 neon isotopes

NEON 26
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 neon isotopes

NEON 27
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 neon isotopes

NEON 28
INIS: Sep 1979; ETDE: Apr 1979
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 neon isotopes

NEON 29
INIS: Oct 1985; ETDE: Oct 1985
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 neon isotopes

NEON 29 REACTIONS
INIS: Sep 1992; ETDE: Jul 1985
*BT1 heavy ion reactions

NEON 30
INIS: Oct 1985; ETDE: Oct 1985
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 neon isotopes

NEON 32
INIS: Jul 1990; ETDE: Aug 1990
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 neon isotopes

NEON CHLORIDES
*BT1 chlorides
*BT1 neon compounds

NEON COMPLEXES
BT1 complexes

NEON COMPOUNDS
UF+ *neon oxides*
BT1 rare gas compounds
NT1 neon chlorides
NT1 neon fluorides
NT1 neon hydrides
NT1 neon iodides

NEON FLUORIDES
*BT1 fluorides
*BT1 neon compounds

NEON HYDRIDES
*BT1 hydrides
*BT1 neon compounds

NEON IODIDES
*BT1 iodides
*BT1 neon compounds

NEON IONS
*BT1 ions

NEON ISOTOPES
BT1 isotopes
NT1 neon 16
NT1 neon 17
NT1 neon 18
NT1 neon 19
NT1 neon 20
NT1 neon 21
NT1 neon 22
NT1 neon 23
NT1 neon 24
NT1 neon 25
NT1 neon 26
NT1 neon 27
NT1 neon 28
NT1 neon 29
NT1 neon 30
NT1 neon 32

neon oxides
Use neon compounds
AND oxides

NEONATES
INIS: Jul 1976; ETDE: Mar 1976
(Newborn animals)
SF *newborns*
BT1 animals
RT age groups
RT infants
RT teratogens

neopentane
Use 2-2-dimethylpropane

NEOPLASMS
UF *cancer*
UF *malignancies*
UF *tumors*
BT1 diseases
NT1 carcinomas
NT2 adenomas
NT2 angiomas
NT2 epitheliomas
NT3 melanomas
NT2 hepatomas
NT1 experimental neoplasms
NT2 ehrlich ascites tumor
NT1 gliomas
NT2 astrocytomas
NT1 granulomas
NT1 leukemia
NT2 myeloid leukemia
NT1 lymphomas
NT2 hodgkins disease
NT2 lymphosarcomas
NT1 sarcomas
NT2 fibrosarcomas
NT2 lymphosarcomas
NT2 myosarcomas
NT3 rhabdomyosarcomas
NT2 osteosarcomas
RT antimitotic drugs
RT antineoplastic drugs
RT ascites
RT ascites tumor cells
RT bleomycin
RT carcinoembryonic antigen
RT carcinogenesis
RT carcinogens
RT combined therapy
RT delayed radiation effects
RT dimethylbenzanthracene
RT metastases
RT neocarcinostatin
RT radioimmunodetection
RT tumor cells
RT tumor promoters

NEOPRENE
UF *2-chloro-1,3-butadiene*
UF *chlorobutadiene*
UF *chloroprene*
*BT1 elastomers
*BT1 organic chlorine compounds
*BT1 organic polymers
RT butadiene

NEP-1 REACTOR
INIS: Jun 1977; ETDE: Jan 1977
UF *new england power company nuclear project-1*
UF *new england power-1 reactor*
*BT1 pwr type reactors

NEP-2 REACTOR
INIS: Jun 1977; ETDE: Jan 1977
UF *new england power company nuclear project-2*
UF *new england power-2 reactor*
*BT1 pwr type reactors

nepa
Use us national environmental policy act

NEPAL
BT1 asia
BT1 developing countries

NEPHELINE BASALTS
INIS: Apr 2000; ETDE: Aug 1980
*BT1 volcanic rocks
RT basalt

NEPHRECTOMY
*BT1 surgery
RT kidneys

NEPHRITIS
*BT1 urogenital system diseases
RT kidneys

NEPHROSCLEROSIS
*BT1 cardiovascular diseases
*BT1 urogenital system diseases
*BT1 vascular diseases
RT kidneys

nepotism
See personnel management

neptex process
Use reprocessing

NEPTUNE PLANET
BT1 planets

NEPTUNE REACTOR
UF *derby zpr neptune*
*BT1 zero power reactors

NEPTUNIUM
UF *neptunium-beta*
*BT1 actinides
*BT1 transuranium elements
NT1 neptunium-alpha
NT1 neptunium-gamma

NEPTUNIUM 225
INIS: Mar 1992; ETDE: Mar 1992
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 neptunium isotopes
*BT1 odd-even nuclei

NEPTUNIUM 226
INIS: Dec 1990; ETDE: Jan 1991
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 neptunium isotopes
*BT1 odd-odd nuclei

NEPTUNIUM 227
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 neptunium isotopes
*BT1 odd-even nuclei

NEPTUNIUM 228
*BT1 actinide nuclei
*BT1 neptunium isotopes
*BT1 odd-odd nuclei

NEPTUNIUM 229
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 neptunium isotopes
*BT1 odd-even nuclei

NEPTUNIUM 230
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 neptunium isotopes
*BT1 odd-odd nuclei

NEPTUNIUM 231
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 neptunium isotopes
*BT1 odd-even nuclei

NEPTUNIUM 232
*BT1 actinide nuclei
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 neptunium isotopes
*BT1 odd-odd nuclei

NEPTUNIUM 232 TARGET
INIS: Jul 1976; ETDE: Aug 1976
BT1 targets

NEPTUNIUM 233
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 neptunium isotopes
*BT1 odd-even nuclei

NEPTUNIUM 234
*BT1 actinide nuclei
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 neptunium isotopes
*BT1 odd-odd nuclei

NEPTUNIUM 235
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes

*BT1 neptunium isotopes
*BT1 odd-even nuclei
*BT1 years living radioisotopes

NEPTUNIUM 236
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 neptunium isotopes
*BT1 odd-odd nuclei
*BT1 years living radioisotopes

NEPTUNIUM 236 TARGET
INIS: Jul 1981; ETDE: Aug 1981
BT1 targets

NEPTUNIUM 237
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 isomeric transition isotopes
*BT1 nanoseconds living radioisotopes
*BT1 neptunium isotopes
*BT1 odd-even nuclei
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

NEPTUNIUM 237 TARGET
BT1 targets

NEPTUNIUM 238
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 neptunium isotopes
*BT1 odd-odd nuclei

NEPTUNIUM 238 TARGET
INIS: Nov 1977; ETDE: Mar 1978
BT1 targets

NEPTUNIUM 239
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 neptunium isotopes
*BT1 odd-even nuclei

NEPTUNIUM 239 TARGET
INIS: Feb 1984; ETDE: Aug 1979
BT1 targets

NEPTUNIUM 240
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 minutes living radioisotopes
*BT1 neptunium isotopes
*BT1 odd-odd nuclei

NEPTUNIUM 241
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 neptunium isotopes
*BT1 odd-even nuclei

NEPTUNIUM 242
INIS: Sep 1981; ETDE: Jul 1979
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 neptunium isotopes
*BT1 odd-odd nuclei

NEPTUNIUM 243
INIS: Sep 1979; ETDE: Apr 1979
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 neptunium isotopes
*BT1 odd-even nuclei

NEPTUNIUM 244
INIS: Feb 1987; ETDE: May 1987
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 neptunium isotopes
*BT1 odd-odd nuclei

NEPTUNIUM ADDITIONS
(Alloys containing not more than 1% Np are listed here.)
*BT1 neptunium alloys

NEPTUNIUM ALLOYS
(Alloys containing more than 1% Np.)
UF *neptunium base alloys*
*BT1 actinide alloys
NT1 neptunium additions

NEPTUNIUM-ALPHA
*BT1 neptunium

NEPTUNIUM ARSENIDES
*BT1 arsenides
*BT1 neptunium compounds

neptunium base alloys
Use neptunium alloys

neptunium-beta
Use neptunium

neptunium borides
Use borides
AND neptunium compounds

NEPTUNIUM BROMIDES
*BT1 bromides
*BT1 neptunium compounds

NEPTUNIUM CARBIDES
*BT1 carbides
*BT1 neptunium compounds

NEPTUNIUM CARBONATES
*BT1 carbonates
*BT1 neptunium compounds

NEPTUNIUM CHLORIDES
*BT1 chlorides
*BT1 neptunium compounds

NEPTUNIUM COMPLEXES
*BT1 actinide complexes
*BT1 transuranium complexes
NT1 neptunyl complexes

NEPTUNIUM COMPOUNDS
UF+ *neptunium borides*
UF+ *neptunium phosphates*
BT1 actinide compounds
BT1 transuranium compounds
NT1 neptunium arsenides
NT1 neptunium bromides
NT1 neptunium carbides
NT1 neptunium carbonates
NT1 neptunium chlorides
NT1 neptunium fluorides
NT1 neptunium hydrides
NT1 neptunium hydroxides
NT1 neptunium iodides
NT1 neptunium nitrates
NT1 neptunium nitrides
NT1 neptunium oxides
NT1 neptunium perchlorates
NT1 neptunium phosphides
NT1 neptunium selenides
NT1 neptunium sulfates
NT1 neptunium sulfides
NT1 neptunium tellurides
NT1 neptunyl compounds

NEPTUNIUM FLUORIDES
*BT1 fluorides
*BT1 neptunium compounds

NEPTUNIUM-GAMMA
*BT1 neptunium

NEPTUNIUM HYDRIDES
INIS: Nov 1976; ETDE: Mar 1976
*BT1 hydrides
*BT1 neptunium compounds

NEPTUNIUM HYDROXIDES
*BT1 hydroxides
*BT1 neptunium compounds

NEPTUNIUM IODIDES
*BT1 iodides
*BT1 neptunium compounds

NEPTUNIUM IONS
*BT1 ions

NEPTUNIUM ISOTOPES
BT1 isotopes
NT1 neptunium 225
NT1 neptunium 226
NT1 neptunium 227
NT1 neptunium 228
NT1 neptunium 229
NT1 neptunium 230
NT1 neptunium 231
NT1 neptunium 232
NT1 neptunium 233
NT1 neptunium 234
NT1 neptunium 235
NT1 neptunium 236
NT1 neptunium 237
NT1 neptunium 238
NT1 neptunium 239
NT1 neptunium 240
NT1 neptunium 241
NT1 neptunium 242
NT1 neptunium 243
NT1 neptunium 244

NEPTUNIUM NITRATES
*BT1 neptunium compounds
*BT1 nitrates

NEPTUNIUM NITRIDES
*BT1 neptunium compounds
*BT1 nitrides

NEPTUNIUM OXIDES
*BT1 neptunium compounds
*BT1 oxides

NEPTUNIUM PERCHLORATES
INIS: Jan 1977; ETDE: Jan 1975
*BT1 neptunium compounds
*BT1 perchlorates

neptunium phosphates
Use neptunium compounds
AND phosphates

NEPTUNIUM PHOSPHIDES
*BT1 neptunium compounds
*BT1 phosphides

NEPTUNIUM SELENIDES
INIS: Jun 1977; ETDE: Jan 1976
*BT1 neptunium compounds
*BT1 selenides

NEPTUNIUM SULFATES
*BT1 neptunium compounds
*BT1 sulfates

NEPTUNIUM SULFIDES
*BT1 neptunium compounds
*BT1 sulfides

NEPTUNIUM TELLURIDES
INIS: Feb 1976; ETDE: Jan 1975
*BT1 neptunium compounds
*BT1 tellurides

NEPTUNYL COMPLEXES
INIS: Sep 1983; ETDE: Sep 1983
*BT1 neptunium complexes
RT neptunyl compounds

NEPTUNYL COMPOUNDS
*BT1 neptunium compounds
RT neptunyl complexes

NERNST EFFECT
(When heat flows across the lines of a magnetic field, an EMF is produced in the mutually perpendicular direction.)
UF *nernst-ettinghausen effect*
RT hall effect

nernst-ettinghausen effect
Use nernst effect

NERNST HEAT THEOREM
RT thermodynamics

nerva nrx-a1 reactor
Use nrx-a1 reactor

nerva nrx-a2 reactor
Use nrx-a2 reactor

nerva nrx-a3 reactor
Use nrx-a3 reactor

nerva nrx-a4 engine system test reactor
Use nrx-a4-est reactor

nerva nrx-a5 reactor
Use nrx-a5 reactor

nerva nrx-a6 reactor
Use nrx-a6 reactor

nerva nrx-a7 reactor
Use nrx-a7 reactor

nerva nuclear rocket engine
Use nerva reactor

NERVA REACTOR
UF *nerva nuclear rocket engine*
*BT1 hydrogen cooled reactors
*BT1 space propulsion reactors
RT xe-2 reactor

NERVE CELLS
UF *axons*
UF *neurons*
*BT1 somatic cells
RT bioelectricity
RT myelin
RT nerve tissue
RT nervous system
RT receptors

NERVE TISSUE
*BT1 animal tissues
RT nerve cells
RT nerves

NERVES
BT1 nervous system
NT1 sciatic nerve
NT1 vagus
RT herpes zoster
RT myelin
RT nerve tissue
RT reflexes

NERVOUS SYSTEM
NT1 autonomic nervous system
NT2 vagus
NT1 central nervous system
NT2 brain
NT3 cerebellum
NT3 cerebrum
NT4 cerebral cortex
NT3 hippocampus
NT3 hypothalamus
NT3 olfactory bulbs
NT3 thalamus
NT2 spinal cord
NT1 ganglions
NT1 nerves
NT2 sciatic nerve
NT2 vagus
RT nerve cells
RT nervous system diseases
RT organs
RT pain
RT poliomyelitis
RT reflexes
RT retina
RT sense organs

NERVOUS SYSTEM DISEASES
BT1 diseases
NT1 encephalitis
NT1 epilepsy
NT1 gliomas
NT2 astrocytomas
NT1 herpes zoster
NT1 myelitis
NT2 poliomyelitis
NT1 rabies
RT meningococcus
RT mental disorders
RT nervous system
RT neurology
RT sense organs diseases

NESTOR REACTOR
(UKAEA, Winfrith, United Kingdom)
UF *neutron source thermal reactor*
UF *ukaea-nestor reactor*
*BT1 argonaut type reactors
*BT1 research reactors
*BT1 thermal reactors

NESTS
INIS: Aug 1991; ETDE: Oct 1985
(The place where the eggs of animals are laid and hatched and the young are reared.)
RT animal breeding
RT habitat
RT reproduction

NET ENERGY
INIS: Apr 2000; ETDE: Jun 1975
(Difference of energy output and energy input.)
BT1 energy
BT1 energy analysis
RT efficiency
RT energy accounting
RT energy consumption
RT energy efficiency
RT energy substitution equivalent
RT energy yield

net material product
See gross domestic product
OR gross national product

NET TOKAMAK
INIS: Feb 1986; ETDE: Feb 1986
UF *next european torus*
*BT1 tokamak devices

net trade
Use trade

NETHERLANDS
BT1 developed countries
*BT1 western europe
RT oecd
RT rhine river
RT wadden sea

NETHERLANDS ANTILLES
INIS: Jun 1992; ETDE: Dec 1979
*BT1 lesser antilles

NETHERLANDS ORGANIZATIONS
BT1 national organizations
NT1 ecn
NT2 rcn
NT1 iko
NT1 iri
NT1 kvi
NT1 nikhef

NETR REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *nuclear engineering test reactor*
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

NETWORK ANALYSIS
INIS: Jun 1983; ETDE: Jul 1976
(Derivation of the electrical properties of a network from its configuration, element values and driving forces.)
RT circuit theory
RT configuration
RT mathematics

networks (computer)
Use computer networks

neuherberg research reactor
Use frn reactor

neumann functions
Use bessel functions

NEUMANN SERIES
INIS: Feb 1984; ETDE: Jan 1975
(An arbitrary function expanded in terms of Bessel functions.)
BT1 series expansion
RT bessel functions

NEUPOTZ-1 REACTOR
INIS: Jul 1978; ETDE: Sep 1978
(Neupotz, Rheinlandpfalz, Federal Republic of Germany)
*BT1 pwr type reactors

NEUPOTZ-2 REACTOR
INIS: Jul 1978; ETDE: Sep 1978
(Neupotz, Rheinlandpfalz, Federal Republic of Germany)
*BT1 pwr type reactors

NEURAL NETWORKS
INIS: Sep 1989; ETDE: Oct 1989
(Computer programs built of linear arrays of processing elements grouped together to simulate the interconnections between the neurons and the learning rules of the brain.)
RT artificial intelligence
RT computer architecture
RT expert systems

neuridine
Use spermine

NEUROLOGY
BT1 medicine
RT nervous system diseases

neuron transmission
Use bioelectricity

neurons
Use nerve cells

NEUROREGULATORS
INIS: May 1984; ETDE: Apr 1981
*BT1 autonomic nervous system agents
NT1 acetylcholine
NT1 adrenaline
NT1 aminobutyric acid
NT1 dopa
NT1 dopamine
NT1 endorphins
NT2 enkephalins
NT1 noradrenaline
NT1 serotonin
NT2 bufotenine
RT parasympatholytics
RT parasympathomimetics
RT sympatholytics
RT sympathomimetics

NEUROSPORA
*BT1 eumycota

NEUTRAL ATOM BEAM INJECTION
BT1 beam injection
RT atomic beam sources
RT neutral beam sources

NEUTRAL BEAM SOURCES
INIS: Nov 1982; ETDE: Mar 1977
(Not for subatomic species.)
NT1 atomic beam sources
RT ion sources
RT neutral atom beam injection

NEUTRAL-CURRENT INTERACTIONS
*BT1 particle interactions
RT basic interactions
RT neutral currents
RT weinberg angle

NEUTRAL CURRENTS
UF *currents (neutral)*
*BT1 algebraic currents
NT1 weak neutral currents
RT charged currents
RT electromagnetic interactions
RT neutral-current interactions
RT weak interactions

NEUTRAL PARTICLE ANALYZERS
INIS: Apr 2000; ETDE: Aug 1997
*BT1 spectrometers
RT charge exchange
RT plasma diagnostics

NEUTRAL-PARTICLE TRANSPORT
INIS: Sep 1975; ETDE: Oct 1975
UF *transport (neutral-particle)*
BT1 radiation transport
NT1 atom transport
NT1 neutron transport
NT1 photon transport
RT neutral particles

NEUTRAL PARTICLES
(See also the list under ELEMENTARY PARTICLES. ELEMENTARY PARTICLES)
RT missing mass
RT missing-mass spectrometers
RT neutral-particle transport

neutral red
Use amines
AND indicators
AND pyrazines

neutralization (beam)
Use beam neutralization

neutralization (chemical)
Use ph value

neutralization (physical)
Use recombination

neutrettos
Use muon neutrinos

NEUTRINO BEAMS
*BT1 lepton beams
NT1 antineutrino beams

NEUTRINO DETECTION
*BT1 radiation detection
RT dumand project
RT sudbury neutrino observatory

neutrino-deuteron interactions
Use neutrino-neutron interactions
AND neutrino-proton interactions

NEUTRINO-ELECTRON INTERACTIONS
*BT1 lepton-lepton interactions
NT1 antineutrino-electron interactions

NEUTRINO-MESON INTERACTIONS
*BT1 lepton-meson interactions

NEUTRINO-MUON INTERACTIONS
*BT1 lepton-lepton interactions

NEUTRINO-NEUTRINO INTERACTIONS
*BT1 lepton-lepton interactions

NEUTRINO-NEUTRON INTERACTIONS
(From January 1975 till May 1996 NEUTRINO-DEUTERON INTERACTIONS was a valid ETDE descriptor.)
UF+ *neutrino-deuteron interactions*
*BT1 neutrino-nucleon interactions
NT1 antineutrino-neutron interactions

NEUTRINO-NUCLEON INTERACTIONS
*BT1 lepton-nucleon interactions
NT1 antineutrino-nucleon interactions
NT2 antineutrino-neutron interactions
NT2 antineutrino-proton interactions
NT1 neutrino-neutron interactions
NT2 antineutrino-neutron interactions
NT1 neutrino-proton interactions
NT2 antineutrino-proton interactions

NEUTRINO OSCILLATION
INIS: Oct 1983; ETDE: Nov 1983
(Periodic transformation of two or more kinds of neutrinos into each other; interference of mass and charge eigenstates.)
RT mixing ratio
RT neutrinos
RT weak interactions

NEUTRINO-PROTON INTERACTIONS
(From January 1975 till May 1996 NEUTRINO-DEUTERON INTERACTIONS was a valid ETDE descriptor.)
UF+ *neutrino-deuteron interactions*
*BT1 neutrino-nucleon interactions
NT1 antineutrino-proton interactions

NEUTRINO REACTIONS
*BT1 lepton reactions

NEUTRINOS
*BT1 leptons
*BT1 massless particles
NT1 antineutrinos
NT2 electron antineutrinos
NT2 muon antineutrinos
NT1 cosmic neutrinos
NT1 electron neutrinos
NT2 electron antineutrinos
NT1 muon neutrinos
NT2 muon antineutrinos
NT1 solar neutrinos
NT1 tau neutrinos
RT feynman-gell-mann theory
RT leptonic decay
RT neutrino oscillation
RT semileptonic decay
RT two-component neutrino theory

NEUTRON ABSORBERS
NT1 absorber pellets
NT1 burnable poisons
RT control elements
RT reactor control systems
RT reactor materials
RT regulating rods
RT scram rods
RT shim rods

NEUTRON ACTIVATION ANALYSIS
UF *analysis (neutron activation)*
UF *naa*
*BT1 activation analysis
RT neutron activation analyzers

NEUTRON ACTIVATION ANALYZERS
BT1 measuring instruments
RT activation analysis
RT neutron activation analysis
RT nuclear reaction analyzers

NEUTRON AGE
UF+ *fermi age*
RT fermi age theory
RT neutron flux
RT slowing-down

NEUTRON-ANTINEUTRON INTERACTIONS
(Prior to February 1995 ANTINEUTRON-DEUTERON INTERACTIONS was a valid ETDE descriptor.)
UF+ *antineutron-deuteron interactions*

*BT1 nucleon-antinucleon interactions

NEUTRON BEAMS
*BT1 nucleon beams
RT neutron guides
RT neutrons
RT pulsed neutron techniques

neutron bombs
Use enhanced radiation weapons

NEUTRON CAMERAS
INIS: Jul 1978; ETDE: Sep 1977
BT1 cameras
RT neutron diffractometers
RT neutron radiography

neutron capture
Use capture
AND neutron reactions

NEUTRON CAPTURE THERAPY
*BT1 neutron therapy
RT radioactivation

neutron capture-to-fission ratio
Use capture-to-fission ratio

NEUTRON CHOPPERS
UF *choppers (neutron)*
BT1 beam pulsers
RT neutron spectrometers
RT shutters

NEUTRON CONVERTERS
RT neutron sources
RT slowing-down
RT ultracold neutrons

NEUTRON-DEFICIENT ISOTOPES
*BT1 radioisotopes
RT delayed proton precursors
RT delayed protons

NEUTRON DENSITY
UF *density (neutron)*
RT neutrons
RT power density

NEUTRON DETECTION
*BT1 radiation detection
RT neutron detectors
RT neutron dosimetry
RT neutron monitors
RT neutron spectrometers
RT neutron spectroscopy
RT neutron-photon converters
RT radiation detectors

NEUTRON DETECTORS
*BT1 radiation detectors
NT1 activation detectors
NT1 bf3 counters
NT1 boron coated ion chambers
NT1 boron lined counters
NT1 fission chambers
NT1 fission foil detectors
NT1 fission thermocouple detectors
NT1 he-3 counters
NT1 moderating detectors
NT2 bonner sphere detectors
NT2 long counters
NT1 proton recoil detectors
NT1 self-powered neutron detectors
NT1 threshold detectors
RT neutron detection
RT neutron dosimetry
RT neutron monitors
RT neutron thermopiles
RT reactor control systems

neutron-deuteron interactions
Use neutron-neutron interactions
AND proton-neutron interactions

NEUTRON DIFFRACTION
UF *diffraction (neutron)*
UF *rocking curve*
*BT1 diffraction
RT crystallography
RT diffuse scattering
RT neutron diffractometers
RT neutron-photon converters
RT structural chemical analysis

NEUTRON DIFFRACTOMETERS
*BT1 diffractometers
RT crystallography
RT neutron cameras
RT neutron diffraction

NEUTRON DIFFUSION EQUATION
*BT1 diffusion equations
RT fick laws
RT flux synthesis
RT homogenization methods
RT neutron transport theory

NEUTRON DOSIMETRY
BT1 dosimetry
RT albedo-neutron dosemeters
RT neutron detection
RT neutron detectors
RT neutron monitors

neutron economy
Use neutron flux

NEUTRON EMISSION
UF *neutron evaporation*
BT1 emission
RT liquid drop model

neutron evaporation
Use neutron emission

NEUTRON FLUENCE
UF *fluence (neutron)*
NT1 damaging neutron fluence
NT2 equivalent fission fluence
RT neutron flux

NEUTRON FLUX
UF *flux (neutron)*
UF *neutron economy*
UF+ *neutron flux density*
BT1 radiation flux
NT1 adjoint flux
RT damaging neutron fluence
RT disadvantage factor
RT flux synthesis
RT heterogeneous effects
RT homogenization methods
RT neutron age
RT neutron fluence
RT neutron flux flattening
RT neutron flux tilting
RT neutron importance function
RT neutrons

neutron flux density
Use flux density
AND neutron flux

NEUTRON FLUX FLATTENING
UF *flattening (neutron flux)*
RT neutron flux

NEUTRON FLUX TILTING
UF *tilting (neutron flux)*
RT neutron flux

NEUTRON-GAMMA LOGGING
INIS: Oct 1976; ETDE: Jun 1976
(Neutron source and gamma detector.)
UF *chlorine logs*
UF *oxygen logs*
UF *thermal decay time log*
SF *hydrogen logs*
*BT1 neutron logging

NEUTRON GENERATORS
INIS: Dec 1982; ETDE: Feb 1983
(Usually low-energy accelerators used to produce neutrons by nuclear reactions, e.g. T(d,n).)
*BT1 neutron sources

NEUTRON GUIDES
INIS: Nov 1985; ETDE: Dec 1985
RT neutron beams
RT neutron reflectors
RT neutron sources
RT neutron transport
RT pulsed neutron techniques
RT reactor channels
RT ultracold neutrons

neutron halos
Use nuclear halos

neutron heating
Use radiation heating

NEUTRON IMPORTANCE FUNCTION
UF *importance function (neutron)*
BT1 functions
RT adjoint flux
RT neutron flux
RT perturbation theory

neutron international standard neutron source
Use nisus facility

neutron international standard uranium source
Use nisus facility

NEUTRON LEAKAGE
UF *leakage (neutron)*
RT neutron transport theory

neutron lifetime log
Use neutron-neutron logging

NEUTRON LOGGING
INIS: Jan 1977; ETDE: Aug 1976
(Well logging using neutron source.)
SF *hydrogen logs*
*BT1 radioactivity logging
NT1 neutron-gamma logging
NT1 neutron-neutron logging
RT neutron probes

neutron matter
Use nuclear matter

neutron moisture meters
Use moisture gages

NEUTRON MONITORS
*BT1 radiation monitors
RT neutron detection
RT neutron detectors
RT neutron dosimetry
RT reactor control systems

neutron multiplier facility
Use subcritical assemblies

NEUTRON-NEUTRON INTERACTIONS
(From February 1975 till May 1996 NEUTRON-DEUTERON INTERACTIONS was a valid ETDE descriptor.)
- UF+ *neutron-deuteron interactions*
- *BT1 nucleon-nucleon interactions

NEUTRON-NEUTRON LOGGING
INIS: Oct 1976; ETDE: Jun 1976
(Neutron source and neutron detector.)
- UF *neutron lifetime log*
- SF *hydrogen logs*
- *BT1 neutron logging

NEUTRON OSCILLATION
INIS: Nov 1985; ETDE: Dec 1985
(Process of a reversible neutron-antineutron transformation.)
- *RT* antineutrons
- *RT* baryon number
- *RT* neutrons

NEUTRON-PHOTON CONVERTERS
- *RT* neutron detection
- *RT* neutron diffraction
- *RT* neutron radiography
- *RT* photographic film detectors

NEUTRON PROBES
INIS: Mar 1986; ETDE: Jun 1989
- BT1 probes
- *RT* moisture gages
- *RT* neutron logging
- *RT* neutron reactions
- *RT* neutron sources

NEUTRON RADIOGRAPHY
- *BT1 industrial radiography
- *RT* neutron cameras
- *RT* neutron-photon converters

NEUTRON REACTIONS
- UF+ *neutron capture*
- *BT1 nucleon reactions
- **NT1** fast fission
- **NT1** thermal fission
- *RT* neutron probes
- *RT* neutron sputtering

NEUTRON REFLECTORS
- UF *reflectors (neutron)*
- *RT* configuration control
- *RT* neutron guides
- *RT* reflector savings

NEUTRON-RICH ISOTOPES
INIS: Jul 1976; ETDE: Nov 1975
- *BT1 beta-minus decay radioisotopes
- *RT* beta-delayed neutrons

NEUTRON SEPARATION ENERGY
- *BT1 binding energy
- *RT* neutrons

NEUTRON SLOWING-DOWN THEORY
(Prior to August 1996 SELENGUT-GOERTZEL EQUATION was a valid ETDE descriptor.)
- UF *selengut approximation*
- UF *selengut-goertzel equation*
- UF *slowing-down theory (neutron)*
- SF *greuling-goertzel approximation*
- **NT1** fermi age theory
- *RT* moderators
- *RT* neutron spectra
- *RT* neutron transport theory
- *RT* placzec function
- *RT* reactor physics
- *RT* slowing-down
- *RT* slowing-down kernels
- *RT* spencer-fano theory
- *RT* wick method

NEUTRON SOURCE FACILITIES
INIS: Feb 1978; ETDE: Oct 1977
- UF *deuterium-lithium high flux neutron source facility*
- UF *high flux neutron source facility*
- **NT1** ipns-i synchrotron
- *RT* hanford reservation
- *RT* linear accelerators

neutron source thermal reactor
- Use nestor reactor

NEUTRON SOURCES
(Excludes reactors even when used as neutron sources.)
- UF+ *ing linac*
- UF+ *intense neutron generator linac*
- *BT1 particle sources
- **NT1** neutron generators
- **NT1** nisus facility
- *RT* neutron converters
- *RT* neutron guides
- *RT* neutron probes
- *RT* neutrons
- *RT* radioactivation
- *RT* sigma piles
- *RT* sora reactor
- *RT* thermal columns

NEUTRON SPECTRA
- UF *spectra (neutron)*
- BT1 spectra
- **NT1** watt fission spectrum
- *RT* neutron slowing-down theory
- *RT* neutrons
- *RT* spectra unfolding
- *RT* spectral hardening

NEUTRON SPECTROMETERS
- *BT1 spectrometers
- **NT1** bonner sphere spectrometers
- *RT* neutron choppers
- *RT* neutron detection

neutron spectrometry
- Use neutron spectroscopy

NEUTRON SPECTROSCOPY
- UF *neutron spectrometry*
- BT1 spectroscopy
- *RT* neutron detection

NEUTRON SPUTTERING
INIS: Apr 2000; ETDE: Aug 1977
- BT1 sputtering
- *RT* neutron reactions
- *RT* physical radiation effects

NEUTRON STARS
- BT1 stars
- *RT* accretion disks
- *RT* gravitational collapse
- *RT* neutrons
- *RT* nuclear matter
- *RT* pulsars
- *RT* starquakes

NEUTRON TEMPERATURE
- UF *temperature (neutron)*
- *RT* energy
- *RT* neutrons
- *RT* thermal neutrons

NEUTRON THERAPY
INIS: Feb 1976; ETDE: Apr 1976
- *BT1 radiotherapy
- **NT1** neutron capture therapy

NEUTRON THERMOPILES
- *RT* neutron detectors

NEUTRON TRANSFER
- *RT* neutrons
- *RT* transfer reactions

NEUTRON TRANSPORT
- UF *transport (neutron)*
- *BT1 neutral-particle transport
- *RT* neutron guides
- *RT* neutron transport theory

NEUTRON TRANSPORT THEORY
(Prior to March 1997 HAYWOOD MODEL and ROSENBLUTH-NELKIN model were valid ETDE descriptors.)
- UF *haywood model*
- SF *rosenbluth-nelkin model*
- BT1 transport theory
- **NT1** multigroup theory
- **NT1** one-group theory
- *RT* adjoint difference method
- *RT* albedo
- *RT* discrete ordinate method
- *RT* extrapolation length
- *RT* feynman method
- *RT* fick laws
- *RT* homogenization methods
- *RT* milne problem
- *RT* monte carlo method
- *RT* neutron diffusion equation
- *RT* neutron leakage
- *RT* neutron slowing-down theory
- *RT* neutron transport
- *RT* perturbation theory
- *RT* reactor physics
- *RT* slowing-down
- *RT* spherical harmonics method
- *RT* transfer matrix method
- *RT* variational methods
- *RT* yvon method

NEUTRONIC DAMAGE FUNCTIONS
INIS: May 1976; ETDE: Mar 1978
- BT1 functions
- *RT* damaging neutron fluence
- *RT* equivalent fission fluence
- *RT* irradiation
- *RT* physical radiation effects

NEUTRONS
- *BT1 nucleons
- **NT1** antineutrons
- **NT1** beta-delayed neutrons
- **NT1** cold neutrons
  - **NT2** ultracold neutrons
- **NT1** cosmic neutrons
- **NT1** epithermal neutrons
- **NT1** fast neutrons
- **NT1** fission neutrons
  - **NT2** delayed neutrons
  - **NT2** prompt neutrons
- **NT1** intermediate neutrons
- **NT1** photoneutrons
- **NT1** pile neutrons
- **NT1** polyneutrons
  - **NT2** dineutrons
  - **NT2** tetraneutrons
  - **NT2** trineutrons
- **NT1** resonance neutrons
- **NT1** slow neutrons
- **NT1** solar neutrons

NT1 thermal neutrons
RT cinda
RT neutron beams
RT neutron density
RT neutron flux
RT neutron oscillation
RT neutron separation energy
RT neutron sources
RT neutron spectra
RT neutron stars
RT neutron temperature
RT neutron transfer

NEUTROPHILS
*BT1 leukocytes

NEVADA
*BT1 usa
NT1 steamboat springs
NT1 tonopah test range
RT great basin
RT nevada test site
RT snake river plain
RT yucca mountain

NEVADA TEST SITE
BT1 nuclear test sites
*BT1 us doe
RT arbor project
RT nevada
RT nuclear explosions
RT nuclear weapons
RT tonopah test range
RT yucca mountain

nevada university l-77 reactor
Use nevada university reactor

NEVADA UNIVERSITY REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *l-77 nevada university reactor*
UF *nevada university l-77 reactor*
UF *university of nevada l-77 reactor*
*BT1 aqueous homogeneous reactors
*BT1 enriched uranium reactors
*BT1 thermal reactors
*BT1 training reactors

NEW BRUNSWICK
*BT1 canada

NEW CALEDONIA
INIS: Jun 1992; ETDE: Dec 1979
BT1 oceania

new england
Use usa

new england power-1 reactor
Use nep-1 reactor

new england power-2 reactor
Use nep-2 reactor

new england power company nuclear project-1
Use nep-1 reactor

new england power company nuclear project-2
Use nep-2 reactor

NEW GUINEA
BT1 australasia
BT1 islands
NT1 papua new guinea
RT australia
RT new zealand
RT pacific ocean

NEW HAMPSHIRE
*BT1 usa
RT connecticut river
RT connecticut river basin
RT gulf of maine
RT us east coast

NEW HEBRIDES ISLANDS
INIS: Jun 1992; ETDE: Feb 1975
BT1 islands
RT pacific ocean

NEW JERSEY
*BT1 usa
RT delaware river
RT hudson river
RT new york bight
RT us east coast

NEW MEXICO
*BT1 usa
NT1 los alamos
RT baca geothermal field
RT inhalation toxicology research institute
RT jemez mountains
RT lanl
RT permian basin
RT rio grande rift
RT rio grande river
RT sandia laboratories
RT sandia national laboratories
RT santa rosa deposit
RT wipp

NEW SOUTH WALES
*BT1 australia
RT glen davis facility

NEW YORK
*BT1 usa
NT1 new york city
RT adirondack mountains
RT allegheny river
RT bnl
RT delaware river
RT hudson river
RT kapl
RT long island sound
RT mohawk river
RT new york bight
RT niagara river
RT st lawrence river
RT susquehanna river
RT us east coast

NEW YORK BIGHT
INIS: Apr 2000; ETDE: Mar 1980
(The section of continental margin and overlying water within the bend of the Atlantic coastline bounded by Long Island on the north and New Jersey on the west.)
*BT1 mid-atlantic bight
RT continental shelf
RT new jersey
RT new york
RT us east coast

NEW YORK CITY
*BT1 new york
BT1 urban areas

NEW ZEALAND
BT1 australasia
BT1 developed countries
BT1 islands
RT broadlands geothermal field
RT kawerau geothermal field
RT new guinea
RT oceania
RT oecd
RT pacific ocean
RT tasman sea
RT waiotapu geothermal field
RT wairakei geothermal field

NEW ZEALAND ORGANIZATIONS
INIS: Apr 1986; ETDE: Apr 1986
BT1 national organizations

NEWBOLD ISLAND-1 REACTOR
(Name changed to HOPE CREEK-1 REACTOR in November 1973 because of change in construction site, and more recent material should be so indexed.)
UF *bordentown nj newbold island-1 reactor*
UF *public service newbold island-1 reactor*
*BT1 hope creek-1 reactor

NEWBOLD ISLAND-2 REACTOR
(Name changed to HOPE CREEK-2 REACTOR in November 1973 because of change in construction site, and more recent material should be so indexed.)
UF *bordentown nj newbold island-2 reactor*
UF *public service newbold island-2 reactor*
*BT1 hope creek-2 reactor

newborns
See infants
OR neonates

NEWCASTLE DISEASE
*BT1 viral diseases
RT birds
RT viruses

NEWFOUNDLAND
*BT1 canada
BT1 islands
RT atlantic ocean

newton mechanics
Use classical mechanics

NEWTON-METAL
INIS: Apr 2000; ETDE: Dec 1974
*BT1 bismuth base alloys
*BT1 lead alloys
*BT1 tin alloys

NEWTON METHOD
INIS: Aug 1978; ETDE: Feb 1976
*BT1 iterative methods
RT mathematics
RT numerical solution
RT polynomials

newts
Use salamanders

next european torus
Use net tokamak

ngl
Use natural gas liquids

NHR-5 REACTOR
INIS: Dec 2000; ETDE: Nov 1999
(Tsingua University, Beijing, China)
UF *thr reactor*
*BT1 enriched uranium reactors
*BT1 process heat reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

NI-HARD
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium alloys
*BT1 iron alloys
*BT1 iron carbides
*BT1 manganese additions
*BT1 nickel alloys
*BT1 silicon additions
*BT1 sulfur additions

NI-O-NEL
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium alloys
*BT1 copper alloys
*BT1 molybdenum alloys
*BT1 nickel alloys
*BT1 titanium alloys

niacin
Use nicotinic acid

NIAGARA RIVER
INIS: Jun 1992; ETDE: Mar 1983
*BT1 rivers
RT new york

NICARAGUA
*BT1 central america
BT1 developing countries
RT momotombo geothermal field

NICHROME
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-ni60fe24cr16

nichrome v
Use alloy-ni80cr20

NICKEL
*BT1 transition elements
RT black nickel
RT td-nickel

NICKEL 49
INIS: May 2001; ETDE: Nov 1999
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 nickel isotopes

NICKEL 50
Aug 2002
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 nickel isotopes

NICKEL 52
INIS: Jun 1996; ETDE: May 1996
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 nickel isotopes

NICKEL 53
INIS: May 1976; ETDE: Aug 1976
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 nickel isotopes

NICKEL 54
INIS: Feb 1978; ETDE: Apr 1975
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 nickel isotopes

NICKEL 55
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 nickel isotopes

NICKEL 56
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 nickel isotopes

NICKEL 56 TARGET
INIS: Sep 1992; ETDE: Nov 1981
BT1 targets

NICKEL 57
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 nickel isotopes

NICKEL 57 TARGET
INIS: Dec 1985; ETDE: Jul 1979
BT1 targets

NICKEL 58
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 nickel isotopes
*BT1 stable isotopes
RT nickel 58 reactions

NICKEL 58 BEAMS
INIS: Oct 1976; ETDE: Nov 1976
*BT1 ion beams

NICKEL 58 REACTIONS
*BT1 heavy ion reactions
RT nickel 58

NICKEL 58 TARGET
BT1 targets

NICKEL 59
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 nickel isotopes
*BT1 years living radioisotopes

NICKEL 59 REACTIONS
INIS: Jun 1984; ETDE: Jul 1984
*BT1 heavy ion reactions

NICKEL 59 TARGET
BT1 targets

NICKEL 60
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 nickel isotopes
*BT1 stable isotopes

NICKEL 60 BEAMS
INIS: Jan 1979; ETDE: Feb 1979
*BT1 ion beams

NICKEL 60 REACTIONS
INIS: Oct 1976; ETDE: Nov 1976
*BT1 heavy ion reactions

NICKEL 60 TARGET
BT1 targets

NICKEL 61
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 nickel isotopes
*BT1 stable isotopes

NICKEL 61 REACTIONS
INIS: Dec 1986; ETDE: Feb 1987
*BT1 heavy ion reactions

NICKEL 61 TARGET
BT1 targets

NICKEL 62
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 nickel isotopes
*BT1 stable isotopes

NICKEL 62 REACTIONS
INIS: Mar 1995; ETDE: Mar 1995
*BT1 heavy ion reactions

NICKEL 62 TARGET
BT1 targets

NICKEL 63
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 nickel isotopes
*BT1 years living radioisotopes

NICKEL 63 TARGET
INIS: Jul 1992; ETDE: Aug 1992
BT1 targets

NICKEL 64
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 nickel isotopes
*BT1 stable isotopes

NICKEL 64 REACTIONS
INIS: Feb 1978; ETDE: Apr 1978
*BT1 heavy ion reactions

NICKEL 64 TARGET
BT1 targets

NICKEL 65
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 nickel isotopes

NICKEL 66
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 nickel isotopes

NICKEL 67
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 nickel isotopes
*BT1 seconds living radioisotopes

NICKEL 68
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 nickel isotopes

NICKEL 69
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 nickel isotopes
*BT1 seconds living radioisotopes

NICKEL 71

INIS: May 1990; ETDE: Jun 1990

- *BT1 beta-minus decay radioisotopes
- *BT1 even-odd nuclei
- *BT1 intermediate mass nuclei
- *BT1 nickel isotopes
- *BT1 seconds living radioisotopes

NICKEL 72

INIS: May 1990; ETDE: Jun 1990

- *BT1 beta-minus decay radioisotopes
- *BT1 even-even nuclei
- *BT1 intermediate mass nuclei
- *BT1 nickel isotopes
- *BT1 seconds living radioisotopes

NICKEL 73

INIS: May 1990; ETDE: Jun 1990

- *BT1 beta-minus decay radioisotopes
- *BT1 even-odd nuclei
- *BT1 intermediate mass nuclei
- *BT1 milliseconds living radioisotopes
- *BT1 nickel isotopes

NICKEL 74

INIS: Aug 1990; ETDE: Sep 1990

- *BT1 beta-minus decay radioisotopes
- *BT1 even-even nuclei
- *BT1 intermediate mass nuclei
- *BT1 seconds living radioisotopes

NICKEL 78

INIS: Nov 1980; ETDE: Jan 1981

- *BT1 even-even nuclei
- *BT1 intermediate mass nuclei
- *BT1 nickel isotopes

NICKEL ADDITIONS

(Alloys containing not more than 1% Ni are listed here.)

- *BT1 nickel alloys
- **NT1** alloy-zr98sn-2
  - **NT2** zircaloy 2
- **NT1** ounce metal
- **NT1** steel-cr12moniv
- **NT1** steel-cr2moninb
- **NT1** steel-cr2mov
- **NT1** steel-cralnimo
- **NT1** steel-crmo
- **NT1** steel-crmov
- **NT1** steel-crni
- **NT1** steel-mncumo
  - **NT2** steel-astm-a537
- **NT1** steel-mnnimo
  - **NT2** steel-astm-a533-b
- **NT1** steel-nimocr

NICKEL ALLOYS

(Alloys containing more than 1% Ni.)

- UF+ *alloy-fe48cr24ni24*
- UF+ *alloy-in-519*
- UF+ *german silver*
- UF+ *in 519*
- UF+ *manaurite 900*
- UF+ *nickel silver*
- UF+ *nitinol*
- UF+ *refractaloy*
- UF+ *rezistal*
- UF+ *stainless steel-44ln*
- UF+ *steel-0kh21n5t*
- UF+ *steel-0kh22n5t*
- UF+ *steel-20n14*
- UF+ *steel-astm-a350 (gr 3)*
- UF+ *steel-cr21ni5ti*
- UF+ *steel-cr22ni5ti*
- UF+ *steel-cr26ni5mo-l*
- UF+ *steel-din-1-6348*
- UF+ *steel-ni3mov*
- UF+ *steel-ni4*
- UF+ *white copper*
- *BT1 transition element alloys
- **NT1** alloy-co36cr22ni22w15fe3
  - **NT2** haynes 188 alloy
- **NT1** alloy-co43cr20fe18ni13w3
  - **NT2** havar
- **NT1** alloy-co54cr20w15ni10
  - **NT2** alloy-hs-25
  - **NT2** haynes 25 alloy
- **NT1** alloy-co60cr30w4
  - **NT2** stellite 6
- **NT1** alloy-cu52ni47
  - **NT2** constantan
- **NT1** alloy-d-979
- **NT1** alloy-fe40ni35cr22
- **NT1** alloy-fe44ni33cr21
  - **NT2** incoloy 800h
- **NT1** alloy-fe46ni33cr21
  - **NT2** incoloy 800
  - **NT2** incoloy 802
- **NT1** alloy-fe53ni29co18
  - **NT2** kovar
- **NT1** alloy-hs-31
- **NT1** alloy-mo-re-1
- **NT1** alloy-mp35n
- **NT1** alloy-n28t3
- **NT1** alloy-s-590
- **NT1** alloy-s-816
- **NT1** alloy-v-36
- **NT1** alloy-yundk 25ba
- **NT1** alnico alloys
- **NT1** ascoloy
- **NT1** chromium-nickel steels
  - **NT2** alloy-d-9
  - **NT2** carpenter
  - **NT2** chromium-nickel-molybdenum steels
    - **NT3** alloy-m-813
    - **NT3** steel-cr11ni10mo2ti-l
    - **NT3** steel-cr15ni15motib
    - **NT3** steel-cr16ni13monbv
    - **NT3** steel-cr16ni15mo3nb
    - **NT3** steel-cr16ni16monb
    - **NT3** steel-cr16ni8mo2
      - **NT4** stainless steel-16-8-2
    - **NT3** steel-cr16ni9mo2
    - **NT3** steel-cr17ni12mo3
      - **NT4** stainless steel-316
    - **NT3** steel-cr17ni12mo3-l
      - **NT4** stainless steel-316l
      - **NT4** stainless steel-zcnd17-13
    - **NT3** steel-cr17ni12monb
    - **NT3** steel-cr17ni13mo2ti
    - **NT3** steel-cr17ni13mo3ti
    - **NT3** steel-ni26cr15ti2movalb
      - **NT4** alloy-a-286
  - **NT2** durco
  - **NT2** enduro
  - **NT2** stainless steel-17-7ph
  - **NT2** stainless steel-303
  - **NT2** stainless steel-329
  - **NT2** stainless steel-ph-15-7-mo
  - **NT2** steel-cr17ni13
  - **NT2** steel-cr17ni7
    - **NT3** stainless steel-301
  - **NT2** steel-cr18ni10
    - **NT3** stainless steel-18-10
  - **NT2** steel-cr18ni10-l
  - **NT2** steel-cr18ni10ti
    - **NT3** stainless steel-321
  - **NT2** steel-cr18ni11
    - **NT3** steel-x6crni1811
  - **NT2** steel-cr18ni11nb
    - **NT3** stainless steel-347
  - **NT2** steel-cr18ni11nbco
    - **NT3** stainless steel-348
  - **NT2** steel-cr18ni12
    - **NT3** stainless steel-305
  - **NT2** steel-cr18ni12ti
  - **NT2** steel-cr18ni8
    - **NT3** stainless steel-18-8
  - **NT2** steel-cr18ni9
    - **NT3** stainless steel-302
  - **NT2** steel-cr18ni9ti
  - **NT2** steel-cr19ni10
    - **NT3** stainless steel-304
  - **NT2** steel-cr19ni10-l
    - **NT3** stainless steel-304l
  - **NT2** steel-cr20ni11
    - **NT3** stainless steel-308
  - **NT2** steel-cr20ni11-l
    - **NT3** stainless steel-308l
  - **NT2** steel-cr23ni14
    - **NT3** stainless steel-309
    - **NT3** stainless steel-309s
  - **NT2** steel-cr23ni18
  - **NT2** steel-cr25ni20
    - **NT3** alloy-hk-40
    - **NT3** stainless steel-310
  - **NT2** steel-ni25cr20
    - **NT3** stainless steel-20-25
  - **NT2** steel-ni36cr12ti3al-l
  - **NT2** timken alloys
- **NT1** cunico
- **NT1** discaloy
- **NT1** invar
- **NT1** manganin
- **NT1** misco metal
- **NT1** ni-hard
- **NT1** ni-o-nel
- **NT1** nickel additions
  - **NT2** alloy-zr98sn-2
    - **NT3** zircaloy 2
  - **NT2** ounce metal
  - **NT2** steel-cr12moniv
  - **NT2** steel-cr2moninb
  - **NT2** steel-cr2mov
  - **NT2** steel-cralnimo
  - **NT2** steel-crmo
  - **NT2** steel-crmov
  - **NT2** steel-crni
  - **NT2** steel-mncumo
    - **NT3** steel-astm-a537
  - **NT2** steel-mnnimo
    - **NT3** steel-astm-a533-b
  - **NT2** steel-nimocr
- **NT1** nickel base alloys
  - **NT2** alloy-b-1900
  - **NT2** alloy-in-102
  - **NT2** alloy-in-853
  - **NT2** alloy-mar-m246
  - **NT2** alloy-mn-21
  - **NT2** alloy-mo-re-2
  - **NT2** alloy-ni43fe30cr22mo3
    - **NT3** incoloy 825
  - **NT2** alloy-ni45fe34cr20
  - **NT2** alloy-ni50mo32cr15si3
  - **NT2** alloy-ni55co17cr15mo5al4ti4
    - **NT3** astroloy
  - **NT2** alloy-ni55cr19co11mo10ti3
    - **NT3** rene 41
  - **NT2** alloy-ni58cr20co14mo4ti3
    - **NT3** waspaloy
  - **NT2** alloy-ni77cr20ti2
  - **NT2** alloy-ni78cr21
  - **NT2** alloy-ni79fe16mo4
  - **NT2** alloy-ni94mn3al2
    - **NT3** alumel
  - **NT2** alloy-nx-188
  - **NT2** alloy-ra-333
  - **NT2** chlorimet
  - **NT2** chromel
    - **NT3** alloy-ni60fe24cr16
      - **NT4** nichrome
    - **NT3** alloy-ni80cr20
  - **NT2** colmonoy
  - **NT2** duranickel
  - **NT2** hastelloys
    - **NT3** alloy-ni49cr22fe18mo9

NT4 hastelloy x
NT3 alloy-ni50cr22fe18mo9
NT4 hastelloy xr
NT3 alloy-ni54mo17cr16fe6w4
NT4 hastelloy c
NT3 alloy-ni62cr16mo15fe3
NT4 hastelloy s
NT3 alloy-ni65mo28fe5
NT4 hastelloy b
NT3 alloy-ni70mo17cr7fe5
NT4 hastelloy n
NT4 inor-8
NT2 illium
NT2 incoloy 901
NT2 inconel alloys
NT3 alloy-ni41fe40cr16nb3
NT4 inconel 706
NT3 alloy-ni46cr23co19ti5al4
NT4 alloy-in-939
NT3 alloy-ni51cr48
NT4 inconel 671
NT3 alloy-ni53cr19fe19nb5mo3
NT4 inconel 718
NT3 alloy-ni54cr22co13mo9
NT4 inconel 617
NT3 alloy-ni59cr30fe9
NT4 inconel 690
NT3 alloy-ni60co15cr10al6ti5mo3
NT4 alloy-in-100
NT3 alloy-ni61cr16co9al3ti3w3
NT4 alloy-in-738
NT3 alloy-ni61cr22mo9nb4fe3
NT4 inconel 625
NT3 alloy-ni61cr23fe14
NT3 alloy-ni73cr15fe7ti3
NT4 inconel x750
NT3 alloy-ni73cr20mn3nb3
NT4 inconel 82
NT3 alloy-ni74cr13al6mo4
NT4 inconel 713c
NT3 alloy-ni75cr12al6mo5
NT4 inconel 713lc
NT3 alloy-ni76cr15fe8
NT4 inconel 600
NT3 inconel 700
NT3 inconel 738
NT3 inconel 739
NT2 konel
NT2 monel
NT3 alloy-ni66cu32
NT4 monel 400
NT2 nicrobraz 50
NT2 nimonic
NT3 alloy-ni43fe33cr16mo3
NT4 nimonic pe16
NT3 alloy-ni50co20cr15al5mo5
NT4 nimonic 105
NT3 alloy-ni59cr20co17ti2
NT3 alloy-ni65cr25mo10
NT4 nimonic 86
NT3 alloy-ni76cr15fe8
NT4 inconel 600
NT3 alloy-ni76cr20ti2
NT4 nimonic 80a
NT3 nimonic 115
NT3 nimonic 115a
NT2 rene 80
NT2 rene 95
NT2 rene-100
NT2 td-nickel chromium
NT2 tophet
NT2 udimet alloys
NT3 alloy-ni53co19cr15mo5al4ti3
NT4 udimet 700
NT3 udimet 500
NT1 nickel steels
NT2 sweetalloy
NT1 nickeline alloy
NT1 orthonol
NT1 permalloy
NT1 stainless steel-jbk-75
NT1 steel-cd-4mcu
NT1 steel-cr16ni
NT1 steel-cr17cu4ni4nb-l
NT2 stainless steel-17-4ph
NT1 steel-cr17ni4mo3
NT1 steel-cr21mn9ni6
NT2 stainless steel-21-6-9
NT1 steel-cr2nimov
NT1 steel-in-787
NT1 steel-mnnimov
NT1 steel-ni3cr
NT1 steel-ni3crmo
NT2 steel-astm-a543
NT1 steel-ni3crmov
NT1 steel-ni4crw
NT1 steel-nicr
NT1 steel-nicrmo
NT1 supertherm

NICKEL ARSENIDES

INIS: Sep 1991; ETDE: Jul 1976
*BT1 arsenides
*BT1 nickel compounds

NICKEL BASE ALLOYS

(A number of the UF terms below have been valid ETDE descriptors.)
UF *alloy-79nm*
UF *alloy-ehi 826*
UF *alloy-ehp-199*
UF *alloy-gmr-235*
UF *alloy-hd-8077*
UF *alloy-kh20n80t*
UF *alloy-khn56vmtyu*
UF *alloy-khn60vt*
UF *alloy-khn67vmtyu*
UF *alloy-khn77tyu*
UF *alloy-m-252*
UF *alloy-ma-754*
UF *alloy-mm-0011*
UF *alloy-ni45cr23fe19co3mo3w3*
UF *alloy-ni56cr21w10mo5fe4al2*
UF *alloy-ni58cr14co8al4mo4nb4w4*
UF *alloy-ni60cr14co10ti5mo4w4al3*
UF *alloy-ni67cr19mo5w5ti3*
UF *alloy-ni68cr15w6al3mo3fe2*
UF *alloy-waz-16*
UF *hd 8077*
UF *ma 754*
UF *mm-0011*
UF *waz 16*
UF+ *alloy-ehi 868*
UF+ *alloy-ehp-496*
UF+ *alloy-ehp-567*
UF+ *alloy-khn60b*
UF+ *alloy-khn60v*
UF+ *alloy-n55m20v25*
UF+ *alloy-n65m20v15*
UF+ *alloy-ni42fe36cr12mo6ti3*
UF+ *alloy-ni60cr25w15*
UF+ *alloy-ni65mo16cr15w4*
UF+ *alloy-ni80fe16mo4*
UF+ *alloy-vzh98*
UF+ *permalloy c*
*BT1 nickel alloys
NT1 alloy-b-1900
NT1 alloy-in-102
NT1 alloy-in-853
NT1 alloy-mar-m246
NT1 alloy-mn-21
NT1 alloy-mo-re-2
NT1 alloy-ni43fe30cr22mo3
NT2 incoloy 825
NT1 alloy-ni45fe34cr20
NT1 alloy-ni50mo32cr15si3
NT1 alloy-ni55co17cr15mo5al4ti4
NT2 astroloy
NT1 alloy-ni55cr19co11mo10ti3
NT2 rene 41
NT1 alloy-ni58cr20co14mo4ti3
NT2 waspaloy
NT1 alloy-ni77cr20ti2
NT1 alloy-ni78cr21
NT1 alloy-ni79fe16mo4
NT1 alloy-ni94mn3al2
NT2 alumel
NT1 alloy-nx-188
NT1 alloy-ra-333
NT1 chlorimet
NT1 chromel
NT2 alloy-ni60fe24cr16
NT3 nichrome
NT2 alloy-ni80cr20
NT1 colmonoy
NT1 duranickel
NT1 hastelloys
NT2 alloy-ni49cr22fe18mo9
NT3 hastelloy x
NT2 alloy-ni50cr22fe18mo9
NT3 hastelloy xr
NT2 alloy-ni54mo17cr16fe6w4
NT3 hastelloy c
NT2 alloy-ni62cr16mo15fe3
NT3 hastelloy s
NT2 alloy-ni65mo28fe5
NT3 hastelloy b
NT2 alloy-ni70mo17cr7fe5
NT3 hastelloy n
NT3 inor-8
NT1 illium
NT1 incoloy 901
NT1 inconel alloys
NT2 alloy-ni41fe40cr16nb3
NT3 inconel 706
NT2 alloy-ni46cr23co19ti5al4
NT3 alloy-in-939
NT2 alloy-ni51cr48
NT3 inconel 671
NT2 alloy-ni53cr19fe19nb5mo3
NT3 inconel 718
NT2 alloy-ni54cr22co13mo9
NT3 inconel 617
NT2 alloy-ni59cr30fe9
NT3 inconel 690
NT2 alloy-ni60co15cr10al6ti5mo3
NT3 alloy-in-100
NT2 alloy-ni61cr16co9al3ti3w3
NT3 alloy-in-738
NT2 alloy-ni61cr22mo9nb4fe3
NT3 inconel 625
NT2 alloy-ni61cr23fe14
NT2 alloy-ni73cr15fe7ti3
NT3 inconel x750
NT2 alloy-ni73cr20mn3nb3
NT3 inconel 82
NT2 alloy-ni74cr13al6mo4
NT3 inconel 713c
NT2 alloy-ni75cr12al6mo5
NT3 inconel 713lc
NT2 alloy-ni76cr15fe8
NT3 inconel 600
NT2 inconel 700
NT2 inconel 738
NT2 inconel 739
NT1 konel
NT1 monel
NT2 alloy-ni66cu32
NT3 monel 400
NT1 nicrobraz 50
NT1 nimonic
NT2 alloy-ni43fe33cr16mo3
NT3 nimonic pe16
NT2 alloy-ni50co20cr15al5mo5
NT3 nimonic 105
NT2 alloy-ni59cr20co17ti2
NT2 alloy-ni65cr25mo10

NT3 nimonic 86
NT2 alloy-ni76cr15fe8
NT3 inconel 600
NT2 alloy-ni76cr20ti2
NT3 nimonic 80a
NT2 nimonic 115
NT2 nimonic 115a
NT1 rene 80
NT1 rene 95
NT1 rene-100
NT1 td-nickel chromium
NT1 tophet
NT1 udimet alloys
NT2 alloy-ni53co19cr15mo5al4ti3
NT3 udimet 700
NT2 udimet 500

NICKEL BORIDES
*BT1 borides
*BT1 nickel compounds

NICKEL BROMIDES
*BT1 bromides
*BT1 nickel compounds

NICKEL-CADMIUM BATTERIES
INIS: Oct 1992; ETDE: Jan 1975
*BT1 metal-metal oxide batteries

NICKEL CARBIDES
*BT1 carbides
*BT1 nickel compounds

NICKEL CARBONATES
*BT1 carbonates
*BT1 nickel compounds

NICKEL CHLORIDES
*BT1 chlorides
*BT1 nickel compounds

nickel-chromium steels
Use chromium alloys
AND nickel steels

nickel chromium-td
Use td-nickel chromium

NICKEL COMPLEXES
*BT1 transition element complexes

NICKEL COMPOUNDS
BT1 transition element compounds
NT1 nickel arsenides
NT1 nickel borides
NT1 nickel bromides
NT1 nickel carbides
NT1 nickel carbonates
NT1 nickel chlorides
NT1 nickel fluorides
NT1 nickel hydrides
NT1 nickel hydroxides
NT1 nickel iodides
NT1 nickel nitrates
NT1 nickel nitrides
NT1 nickel oxides
NT1 nickel phosphates
NT1 nickel phosphides
NT1 nickel selenides
NT1 nickel silicates
NT1 nickel silicides
NT1 nickel sulfates
NT1 nickel sulfides
NT1 nickel tellurides
NT1 nickel tungstates
NT1 nickelates

NICKEL FLUORIDES
*BT1 fluorides
*BT1 nickel compounds

NICKEL HYDRIDES
*BT1 hydrides
*BT1 nickel compounds

NICKEL-HYDROGEN BATTERIES
INIS: May 1992; ETDE: Jan 1975
*BT1 metal-gas batteries

NICKEL HYDROXIDES
*BT1 hydroxides
*BT1 nickel compounds

NICKEL IODIDES
*BT1 iodides
*BT1 nickel compounds

NICKEL IONS
*BT1 ions

nickel-iron batteries
Use iron-nickel batteries

NICKEL ISOTOPES
BT1 isotopes
NT1 nickel 49
NT1 nickel 50
NT1 nickel 52
NT1 nickel 53
NT1 nickel 54
NT1 nickel 55
NT1 nickel 56
NT1 nickel 57
NT1 nickel 58
NT1 nickel 59
NT1 nickel 60
NT1 nickel 61
NT1 nickel 62
NT1 nickel 63
NT1 nickel 64
NT1 nickel 65
NT1 nickel 66
NT1 nickel 67
NT1 nickel 68
NT1 nickel 69
NT1 nickel 71
NT1 nickel 72
NT1 nickel 73
NT1 nickel 78

NICKEL NITRATES
*BT1 nickel compounds
*BT1 nitrates

NICKEL NITRIDES
*BT1 nickel compounds
*BT1 nitrides

NICKEL ORES
BT1 ores

NICKEL OXIDES
*BT1 nickel compounds
*BT1 oxides
RT nickelates

NICKEL PHOSPHATES
*BT1 nickel compounds
*BT1 phosphates

NICKEL PHOSPHIDES
INIS: Jan 1976; ETDE: Oct 1975
*BT1 nickel compounds
*BT1 phosphides

NICKEL SELENIDES
INIS: Sep 1991; ETDE: Dec 1976
*BT1 nickel compounds
*BT1 selenides

NICKEL SILICATES
*BT1 nickel compounds
*BT1 silicates

NICKEL SILICIDES
INIS: Jan 1976; ETDE: Oct 1975
*BT1 nickel compounds
*BT1 silicides

nickel silver
Use copper base alloys
AND nickel alloys
AND zinc alloys

NICKEL STEELS
(Steels containing Ni as the main alloying element. Until June 1994 this concept was indexed to NICKEL ALLOYS)
UF *steel-30n9k4*
UF+ *nickel-chromium steels*
UF+ *steel-000kh20n20*
UF+ *steel-1-kh18n20t3p*
UF+ *steel-37khn3t*
UF+ *steel-40kh2n5sm*
UF+ *steel-kh12n20t3p*
UF+ *steel-kh18n22v2t2*
UF+ *steel-khn35vt*
UF+ *steel-n26kht1*
UF+ *steel-vzh102*
*BT1 nickel alloys
*BT1 steels
NT1 sweetalloy
RT chromium-nickel steels

NICKEL SULFATES
*BT1 nickel compounds
*BT1 sulfates

NICKEL SULFIDES
*BT1 nickel compounds
*BT1 sulfides

NICKEL TELLURIDES
INIS: Jul 1984; ETDE: Feb 1980
*BT1 nickel compounds
*BT1 tellurides

nickel-thorium oxide dispersions
Use td-nickel

NICKEL TUNGSTATES
INIS: Apr 2000; ETDE: Jun 1976
*BT1 nickel compounds
*BT1 tungstates

NICKEL-ZINC BATTERIES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 metal-metal oxide batteries

NICKELATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 nickel compounds
BT1 oxygen compounds
RT nickel oxides

NICKELINE ALLOY
INIS: Apr 2000; ETDE: Dec 1974
*BT1 copper base alloys
*BT1 nickel alloys
*BT1 zinc additions

NICOTIANA
UF *tobacco plant*
*BT1 magnoliopsida
RT tobacco
RT tobacco products

NICOTINAMIDE
UF *pp-factor*
UF *vitamin pp*
*BT1 amides

*BT1 pyridines
*BT1 vitamin b group
RT heterocyclic acids
RT nad
RT nadh2
RT nadp
RT nicotinic acid

nicotinamide-adenine dinucleotide
Use nad

nicotinamide-adenine dinucleotide phosphate
Use nadp

NICOTINE
*BT1 alkaloids
*BT1 parasympatholytics
*BT1 parasympathomimetics
*BT1 pyridines
*BT1 pyrrolidines

NICOTINIC ACID
INIS: Feb 1976; ETDE: Apr 1975
UF *niacin*
*BT1 heterocyclic acids
*BT1 monocarboxylic acids
*BT1 pyridines
*BT1 vitamin b group
RT nicotinamide

NICROBRAZ 50
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium alloys
*BT1 nickel base alloys
*BT1 phosphides

NIEDERAICHBACH REACTOR
UF *kernkraftwerk niederaichbach*
UF *kkn reactor*
*BT1 carbon dioxide cooled reactors
*BT1 enriched uranium reactors
*BT1 hwgcr type reactors
*BT1 pressure tube reactors
*BT1 thermal reactors

niels bohr institute cyclotron
Use nbi cyclotron

nif
Use us national ignition facility

nigella
Use ranunculaceae

NIGER
BT1 africa
BT1 developing countries
RT niger river

NIGER RIVER
INIS: Jul 1976; ETDE: Aug 1976
*BT1 rivers
RT benin
RT guinea
RT mali
RT niger
RT nigeria

NIGERIA
BT1 africa
BT1 developing countries
RT niger river
RT opec

NIGHT SKY
INIS: Oct 1982; ETDE: Sep 1981
(Prior to December 1990, this concept was indexed by NIGHTTIME plus other descriptors from the wordblock EARTH ATMOSPHERE.)
UF *nighttime (sky)*
BT1 sky
RT airglow
RT aurorae

nightglow
Use airglow

nighttime (sky)
Use night sky

nii (uk)
Use uk nii

NIKHEF
INIS: Jul 1977; ETDE: Oct 1977
(National Instituut voor Kernfysica en Hogeenergiefysica.)
UF *national instituut voor kernfysica en hogeenergiefysica*
*BT1 netherlands organizations

NILE RIVER
*BT1 rivers
RT egyptian arab republic
RT sudan

nilsson model
Use nilsson-mottelson model

NILSSON-MOTTELSON MODEL
UF *approximation (bohr)*
UF *bohr approximation*
UF *bohr-mottelson model*
UF *mottelson-nilsson model*
UF *nilsson model*
UF *nilsson potential*
UF *nilsson scheme*
*BT1 nuclear models

nilsson potential
Use nilsson-mottelson model

nilsson scheme
Use nilsson-mottelson model

nim
Use nuclear instrument modules

NIMBUS SATELLITES
INIS: Sep 1983; ETDE: Mar 1980
BT1 satellites

NIMONIC
(For unspecified Nimonic alloys.)
UF *alloy-ni48cr22fe18mo9*
UF *nimonic pe13*
*BT1 nickel base alloys
NT1 alloy-ni43fe33cr16mo3
NT2 nimonic pe16
NT1 alloy-ni50co20cr15al5mo5
NT2 nimonic 105
NT1 alloy-ni59cr20co17ti2
NT1 alloy-ni65cr25mo10
NT2 nimonic 86
NT1 alloy-ni76cr15fe8
NT2 inconel 600
NT1 alloy-ni76cr20ti2
NT2 nimonic 80a
NT1 nimonic 115
NT1 nimonic 115a
RT inconel alloys

NIMONIC 105
INIS: Nov 1983; ETDE: Jan 1975
*BT1 alloy-ni50co20cr15al5mo5

NIMONIC 115
INIS: Apr 2000; ETDE: Jan 1975
*BT1 aluminium alloys
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 molybdenum alloys
*BT1 nimonic

NIMONIC 115A
INIS: Apr 2000; ETDE: Jan 1975
*BT1 nimonic

NIMONIC 80A
INIS: Nov 1983; ETDE: May 1975
*BT1 alloy-ni76cr20ti2

NIMONIC 86
INIS: Nov 1983; ETDE: Feb 1982
*BT1 alloy-ni65cr25mo10

nimonic 90
Use alloy-ni59cr20co17ti2

nimonic pe13
Use nimonic

NIMONIC PE16
INIS: Nov 1983; ETDE: May 1975
*BT1 alloy-ni43fe33cr16mo3

NIMROD
UF *harwell synchrotron*
*BT1 synchrotrons

NINA
UF *daresbury synchrotron*
*BT1 synchrotrons

NINE MILE POINT-1 REACTOR
(Scriba, New York, USA)
UF *scriba nuclear power plant*
*BT1 bwr type reactors

NINE MILE POINT-2 REACTOR
(Scriba, New York, USA)
UF *osweso nuclear power plant*
*BT1 bwr type reactors

NINGYOITE
*BT1 phosphate minerals
*BT1 uranium minerals
RT uranium phosphates

ninhydrin
Use ketones

NIOBATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 niobium compounds
BT1 oxygen compounds

NIOBIUM
UF *columbium*
*BT1 refractory metals
*BT1 transition elements
NT1 niobium-alpha
NT1 niobium-beta

NIOBIUM 100
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 niobium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

NIOBIUM 101
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 niobium isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

NIOBIUM 102
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 niobium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

NIOBIUM 103
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 niobium isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

NIOBIUM 104
INIS: Nov 1976; ETDE: Sep 1976
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 niobium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

NIOBIUM 105
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 niobium isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

NIOBIUM 106
INIS: Jul 1981; ETDE: Oct 1980
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 niobium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

NIOBIUM 108
INIS: Nov 1996; ETDE: Nov 1996
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 niobium isotopes
*BT1 odd-odd nuclei

NIOBIUM 83
INIS: Oct 1988; ETDE: Oct 1988
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 niobium isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

NIOBIUM 84
INIS: Nov 1977; ETDE: Nov 1977
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 niobium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

NIOBIUM 85
INIS: Apr 1980; ETDE: May 1980
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 niobium isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

NIOBIUM 86
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 niobium isotopes
*BT1 odd-odd nuclei

NIOBIUM 87
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 niobium isotopes
*BT1 odd-even nuclei

NIOBIUM 88
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 niobium isotopes
*BT1 odd-odd nuclei

NIOBIUM 89
*BT1 beta-plus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 niobium isotopes
*BT1 odd-even nuclei

NIOBIUM 90
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 niobium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

NIOBIUM 91
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 niobium isotopes
*BT1 odd-even nuclei
*BT1 years living radioisotopes

NIOBIUM 91 TARGET
INIS: Sep 1992; ETDE: Mar 1977
BT1 targets

NIOBIUM 92
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 niobium isotopes
*BT1 odd-odd nuclei
*BT1 years living radioisotopes

NIOBIUM 92 TARGET
INIS: May 1988; ETDE: Mar 1983
BT1 targets

NIOBIUM 93
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 niobium isotopes
*BT1 odd-even nuclei
*BT1 stable isotopes
*BT1 years living radioisotopes
RT niobium 93 reactions

NIOBIUM 93 REACTIONS
INIS: Jan 1976; ETDE: Mar 1976
*BT1 heavy ion reactions
RT niobium 93

NIOBIUM 93 TARGET
BT1 targets

NIOBIUM 94
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 niobium isotopes
*BT1 odd-odd nuclei
*BT1 years living radioisotopes

NIOBIUM 94 TARGET
INIS: Oct 1976; ETDE: Nov 1976
BT1 targets

NIOBIUM 95
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 niobium isotopes
*BT1 odd-even nuclei

NIOBIUM 95 TARGET
INIS: Nov 1979; ETDE: Jan 1979
BT1 targets

NIOBIUM 96
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 niobium isotopes
*BT1 odd-odd nuclei

NIOBIUM 96 TARGET
INIS: Oct 1976; ETDE: Nov 1976
BT1 targets

NIOBIUM 97
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 niobium isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

NIOBIUM 98
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 niobium isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

NIOBIUM 99
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 niobium isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

NIOBIUM ADDITIONS
(Alloys containing not more than 1% Nb are listed here.)
*BT1 niobium alloys
NT1 alloy-ni45fe34cr20
NT1 alloy-ni46cr23co19ti5al4
NT2 alloy-in-939
NT1 alloy-ni61cr16co9al3ti3w3
NT2 alloy-in-738
NT1 alloy-ni73cr15fe7ti3
NT2 inconel x750
NT1 alloy-yundk 25ba
NT1 steel-cr16ni13monbv
NT1 steel-cr16ni15mo3nb
NT1 steel-cr16ni16monb
NT1 steel-cr17cu4ni4nb-l

NT2 stainless steel-17-4ph
NT1 steel-cr17ni12monb
NT1 steel-cr18ni11nb
NT2 stainless steel-347
NT1 steel-cr18ni11nbco
NT2 stainless steel-348
NT1 steel-cr2moninb
NT1 steel-cr9monbv

NIOBIUM ALLOYS

(Alloys containing more than 1% Nb.)
UF+ *alloy-fe48cr24ni24*
UF+ *alloy-in-519*
UF+ *in 519*
*BT1 transition element alloys
NT1 alloy-in-102
NT1 alloy-khn50mbvyu
NT1 alloy-mn-21
NT1 alloy-ni41fe40cr16nb3
NT2 inconel 706
NT1 alloy-ni53cr19fe19nb5mo3
NT2 inconel 718
NT1 alloy-ni61cr22mo9nb4fe3
NT2 inconel 625
NT1 alloy-ni73cr20mn3nb3
NT2 inconel 82
NT1 alloy-ni74cr13al6mo4
NT2 inconel 713c
NT1 alloy-ni75cr12al6mo5
NT2 inconel 713lc
NT1 alloy-s-590
NT1 alloy-s-816
NT1 alloy-u90nb7zr3
NT1 alloy-v-36
NT1 alloy-zr97nb3
NT1 niobium additions
NT2 alloy-ni45fe34cr20
NT2 alloy-ni46cr23co19ti5al4
NT3 alloy-in-939
NT2 alloy-ni61cr16co9al3ti3w3
NT3 alloy-in-738
NT2 alloy-ni73cr15fe7ti3
NT3 inconel x750
NT2 alloy-yundk 25ba
NT2 steel-cr16ni13monbv
NT2 steel-cr16ni15mo3nb
NT2 steel-cr16ni16monb
NT2 steel-cr17cu4ni4nb-l
NT3 stainless steel-17-4ph
NT2 steel-cr17ni12monb
NT2 steel-cr18ni11nb
NT3 stainless steel-347
NT2 steel-cr18ni11nbco
NT3 stainless steel-348
NT2 steel-cr2moninb
NT2 steel-cr9monbv
NT1 niobium base alloys
NT2 alloy-c-103
NT2 alloy-n-10m
NT2 alloy-n-9m
NT2 alloy-nt25a5
NT1 rene 95
NT1 steel-in-787

NIOBIUM-ALPHA

*BT1 niobium

NIOBIUM ARSENIDES

INIS: Aug 1982; ETDE: May 1982
*BT1 arsenides
*BT1 niobium compounds

NIOBIUM BASE ALLOYS

UF *alloy su31*
UF *alloy-b-66*
UF *alloy-b-88*
UF *alloy-c-129y*
UF *alloy-cb-1*
UF *alloy-cb-752*
UF *alloy-d-43*
UF *alloy-dh-245*
UF *alloy-fs-85*
UF *alloy-vus-6*
SF *alloy-vn-3*
*BT1 niobium alloys
NT1 alloy-c-103
NT1 alloy-n-10m
NT1 alloy-n-9m
NT1 alloy-nt25a5

NIOBIUM-BETA

*BT1 niobium

NIOBIUM BORIDES

*BT1 borides
*BT1 niobium compounds

NIOBIUM BROMIDES

*BT1 bromides
*BT1 niobium compounds

NIOBIUM CARBIDES

*BT1 carbides
*BT1 niobium compounds

NIOBIUM CHLORIDES

*BT1 chlorides
*BT1 niobium compounds

NIOBIUM COMPLEXES

*BT1 transition element complexes

NIOBIUM COMPOUNDS

BT1 refractory metal compounds
BT1 transition element compounds
NT1 niobates
NT1 niobium arsenides
NT1 niobium borides
NT1 niobium bromides
NT1 niobium carbides
NT1 niobium chlorides
NT1 niobium fluorides
NT1 niobium hydrides
NT1 niobium hydroxides
NT1 niobium iodides
NT1 niobium nitrates
NT1 niobium nitrides
NT1 niobium oxides
NT1 niobium phosphates
NT1 niobium phosphides
NT1 niobium selenides
NT1 niobium silicates
NT1 niobium silicides
NT1 niobium sulfates
NT1 niobium sulfides
NT1 niobium tellurides

NIOBIUM FLUORIDES

*BT1 fluorides
*BT1 niobium compounds

NIOBIUM HYDRIDES

*BT1 hydrides
*BT1 niobium compounds

NIOBIUM HYDROXIDES

*BT1 hydroxides
*BT1 niobium compounds

NIOBIUM IODIDES

*BT1 iodides
*BT1 niobium compounds

NIOBIUM IONS

*BT1 ions

NIOBIUM ISOTOPES

BT1 isotopes
NT1 niobium 100
NT1 niobium 101
NT1 niobium 102
NT1 niobium 103
NT1 niobium 104
NT1 niobium 105
NT1 niobium 106
NT1 niobium 108
NT1 niobium 83
NT1 niobium 84
NT1 niobium 85
NT1 niobium 86
NT1 niobium 87
NT1 niobium 88
NT1 niobium 89
NT1 niobium 90
NT1 niobium 91
NT1 niobium 92
NT1 niobium 93
NT1 niobium 94
NT1 niobium 95
NT1 niobium 96
NT1 niobium 97
NT1 niobium 98
NT1 niobium 99

NIOBIUM NITRATES

*BT1 niobium compounds
*BT1 nitrates

NIOBIUM NITRIDES

*BT1 niobium compounds
*BT1 nitrides

NIOBIUM ORES

BT1 ores

NIOBIUM OXIDES

*BT1 niobium compounds
*BT1 oxides
RT ellsworthite
RT lyndochite
RT marignacite
RT oxide minerals
RT tapiolite

NIOBIUM PHOSPHATES

*BT1 niobium compounds
*BT1 phosphates

NIOBIUM PHOSPHIDES

INIS: Apr 2000; ETDE: Sep 1976
*BT1 niobium compounds
*BT1 phosphides

NIOBIUM SELENIDES

*BT1 niobium compounds
*BT1 selenides

NIOBIUM SILICATES

*BT1 niobium compounds
*BT1 silicates
RT mesodialyte
RT silicate minerals

NIOBIUM SILICIDES

INIS: Jan 1976; ETDE: Jan 1975
*BT1 niobium compounds
*BT1 silicides

NIOBIUM SULFATES

*BT1 niobium compounds
*BT1 sulfates

NIOBIUM SULFIDES

*BT1 niobium compounds
*BT1 sulfides

NIOBIUM TELLURIDES

INIS: May 1979; ETDE: Nov 1975
*BT1 niobium compounds
*BT1 tellurides

niosh

Use us niosh

niper
Use us niper

nippostrongylus
Use hookworm

NIRS CYCLOTRON
INIS: Dec 1979; ETDE: Jan 1980
(Installed at the National Institute of Radiological Science in Japan.)
UF *national institute of radiological science cyclotron*
*BT1 isochronous cyclotrons

NISUS FACILITY
UF *neutron international standard neutron source*
UF *neutron international standard uranium source*
*BT1 neutron sources
RT calibration standards
RT fast neutrons
RT measuring instruments

NITELLA
*BT1 chlorophycota

nitinol
Use nickel alloys
AND titanium alloys

NITINOL HEAT ENGINES
INIS: Apr 2000; ETDE: Nov 1975
(Heat engines with the thermo-mechanical converter consisting of a solid-state system incorporating the shape memory intermetallic nickel titanium compound called nitinol as their working fluid.)
*BT1 heat engines
RT shape memory effect
RT solar heat engines

NITRATES
UF+ *californium nitrates*
UF+ *molybdenum nitrates*
UF+ *palladium nitrates*
UF+ *polonium nitrates*
UF+ *protactinium nitrates*
BT1 nitrogen compounds
BT1 oxygen compounds
NT1 aluminium nitrates
NT1 americium nitrates
NT1 ammonium nitrates
NT1 barium nitrates
NT1 berkelium nitrates
NT1 beryllium nitrates
NT1 bismuth nitrates
NT1 cadmium nitrates
NT1 calcium nitrates
NT1 cerium nitrates
NT1 cesium nitrates
NT1 chlorine nitrates
NT1 chromium nitrates
NT1 cobalt nitrates
NT1 copper nitrates
NT1 curium nitrates
NT1 dysprosium nitrates
NT1 einsteinium nitrates
NT1 erbium nitrates
NT1 europium nitrates
NT1 gadolinium nitrates
NT1 gallium nitrates
NT1 hafnium nitrates
NT1 holmium nitrates
NT1 indium nitrates
NT1 iron nitrates
NT1 lanthanum nitrates
NT1 lead nitrates
NT1 lithium nitrates
NT1 lutetium nitrates
NT1 magnesium nitrates
NT1 manganese nitrates
NT1 mercury nitrates
NT1 neodymium nitrates
NT1 neptunium nitrates
NT1 nickel nitrates
NT1 niobium nitrates
NT1 peroxyacetyl nitrate
NT1 petn
NT1 plutonium nitrates
NT1 potassium nitrates
NT1 praseodymium nitrates
NT1 promethium nitrates
NT1 radium nitrates
NT1 rubidium nitrates
NT1 ruthenium nitrates
NT1 samarium nitrates
NT1 scandium nitrates
NT1 silver nitrates
NT1 sodium nitrates
NT1 strontium nitrates
NT1 tellurium nitrates
NT1 terbium nitrates
NT1 thallium nitrates
NT1 thorium nitrates
NT1 thulium nitrates
NT1 titanium nitrates
NT1 uranium nitrates
NT1 uranyl nitrates
NT2 unh
NT1 vanadium nitrates
NT1 ytterbium nitrates
NT1 yttrium nitrates
NT1 zinc nitrates
NT1 zirconium nitrates
RT nitric acid
RT oxynitrates

NITRATION
INIS: Jul 1978; ETDE: Feb 1976
BT1 chemical reactions
RT nitro compounds
RT nitrogen

NITRIC ACID
UF *hydrogen nitrates*
*BT1 inorganic acids
BT1 nitrogen compounds
BT1 oxygen compounds
RT aqua regia
RT denitration
RT nitrates

NITRIC ACID ESTERS
UF *methyl nitrate*
*BT1 esters
NT1 nitrocellulose
NT1 nitroglycerin
NT1 peroxyacetyl nitrate
NT1 petn

NITRIC OXIDE
INIS: Apr 1984; ETDE: Jan 1976
(NO.)
*BT1 nitrogen oxides

NITRIDATION
BT1 chemical reactions
RT nitrides

NITRIDES
UF+ *berkelium nitrides*
UF+ *californium nitrides*
UF+ *cesium nitrides*
UF+ *curium nitrides*
UF+ *lead nitrides*
UF+ *palladium nitrides*
UF+ *rhodium nitrides*
BT1 nitrogen compounds
BT1 pnictides
NT1 aluminium nitrides
NT1 americium nitrides
NT1 argon nitrides
NT1 barium nitrides
NT1 beryllium nitrides
NT1 boron nitrides
NT1 calcium nitrides
NT1 carbon nitrides
NT1 cerium nitrides
NT1 chromium nitrides
NT1 copper nitrides
NT1 dysprosium nitrides
NT1 erbium nitrides
NT1 europium nitrides
NT1 gadolinium nitrides
NT1 gallium nitrides
NT1 germanium nitrides
NT1 hafnium nitrides
NT1 holmium nitrides
NT1 indium nitrides
NT1 iron nitrides
NT1 lanthanum nitrides
NT1 lithium nitrides
NT1 magnesium nitrides
NT1 manganese nitrides
NT1 molybdenum nitrides
NT1 neodymium nitrides
NT1 neptunium nitrides
NT1 nickel nitrides
NT1 niobium nitrides
NT1 phosphorus nitrides
NT1 plutonium nitrides
NT1 potassium nitrides
NT1 praseodymium nitrides
NT1 radium nitrides
NT1 rhenium nitrides
NT1 ruthenium nitrides
NT1 samarium nitrides
NT1 scandium nitrides
NT1 silicon nitrides
NT1 silver nitrides
NT1 sodium nitrides
NT1 sulfur nitrides
NT1 tantalum nitrides
NT1 terbium nitrides
NT1 thorium nitrides
NT1 thulium nitrides
NT1 tin nitrides
NT1 titanium nitrides
NT1 tungsten nitrides
NT1 uranium nitrides
NT1 vanadium nitrides
NT1 ytterbium nitrides
NT1 yttrium nitrides
NT1 zinc nitrides
NT1 zirconium nitrides
RT carbonitrides
RT ceramics
RT nitridation

NITRIFICATION
INIS: Jan 1984; ETDE: Aug 1981
(The oxidation by bacteria of ammonium salts to nitrites and the further oxidation to nitrates under proper conditions of temperature, moisture, and alkalinity.)
BT1 chemical reactions
RT denitrification
RT nitrogen
RT nitrogen compounds
RT nitrogen cycle
RT nitrogen fixation

NITRILES
UF+ *polyacrylonitrile*
*BT1 organic nitrogen compounds
NT1 acetonitrile
NT1 acrylonitrile
NT1 propiolonitrile

NT1 ttf-tcnq
RT carboxylic acids
RT isonitriles

nitrilotriacetic acid
Use nta

NITRITES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 nitrogen compounds
BT1 oxygen compounds
RT nitrous acid

NITRO COMPOUNDS
UF+ *ndpp*
*BT1 organic nitrogen compounds
NT1 dinitrophenol
NT1 dpph
NT1 metronidazole
NT1 misonidazole
NT1 nitrobenzene
NT1 nitromethane
NT1 nitrophenol
NT1 picric acid
NT1 polycyclic nitro compounds
NT1 tetryl
NT1 tnt
RT nitration

NITRO-GROUP DEHYDROGENASES
INIS: Nov 1983; ETDE: Jan 1981
(Code number 1.7. From 1974 till March 1997 URICASE was a valid ETDE descriptor. From June 1984 till March 1997 NITROREDUCTASES was a valid ETDE descriptor.)
UF *nitroreductases*
UF *uricase*
*BT1 oxidoreductases
NT1 nitrogenase

NITROBENZENE
*BT1 nitro compounds
RT benzene

NITROCELLULOSE
UF *collodion*
UF *gun cotton*
UF *pyroxylin*
*BT1 cellulose esters
*BT1 chemical explosives
*BT1 nitric acid esters
*BT1 polysaccharides
RT celluloid

NITROGEN
UF *nitrogen nitrides*
UF+ *tioga nitrogen removal process*
*BT1 nonmetals
RT cryogenic fluids
RT denitrification
RT inert atmosphere
RT kjeldahl method
RT nitration
RT nitrification
RT nitrogen fixation

NITROGEN 11
*BT1 light nuclei
*BT1 nitrogen isotopes
*BT1 odd-even nuclei

NITROGEN 12
*BT1 beta-plus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 nitrogen isotopes
*BT1 odd-odd nuclei

NITROGEN 12 TARGET
BT1 targets

NITROGEN 13
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 light nuclei
*BT1 minutes living radioisotopes
*BT1 nitrogen isotopes
*BT1 odd-even nuclei

NITROGEN 13 BEAMS
INIS: Jan 1984; ETDE: Dec 1988
*BT1 radioactive ion beams

NITROGEN 13 REACTIONS
INIS: Feb 1992; ETDE: Feb 1992
*BT1 heavy ion reactions

NITROGEN 13 TARGET
BT1 targets

NITROGEN 14
*BT1 light nuclei
*BT1 nitrogen isotopes
*BT1 odd-odd nuclei
*BT1 stable isotopes
RT nitrogen 14 beams
RT nitrogen 14 reactions

NITROGEN 14 BEAMS
*BT1 ion beams
RT nitrogen 14

NITROGEN 14 REACTIONS
*BT1 heavy ion reactions
RT nitrogen 14

NITROGEN 14 TARGET
BT1 targets

NITROGEN 15
*BT1 light nuclei
*BT1 nitrogen isotopes
*BT1 odd-even nuclei
*BT1 stable isotopes
RT nitrogen 15 reactions

NITROGEN 15 BEAMS
INIS: May 1980; ETDE: May 1980
*BT1 ion beams

NITROGEN 15 REACTIONS
*BT1 heavy ion reactions
RT nitrogen 15

NITROGEN 15 TARGET
BT1 targets

NITROGEN 16
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 nitrogen isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes

NITROGEN 16 TARGET
INIS: Sep 1977; ETDE: Nov 1977
BT1 targets

NITROGEN 17
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 nitrogen isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

NITROGEN 18
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 nitrogen isotopes
*BT1 odd-odd nuclei

NITROGEN 19
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 nitrogen isotopes
*BT1 odd-even nuclei

NITROGEN 20
INIS: Jun 1985; ETDE: Feb 1975
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 nitrogen isotopes
*BT1 odd-odd nuclei

NITROGEN 21
INIS: Apr 1986; ETDE: Dec 1988
*BT1 light nuclei
*BT1 nitrogen isotopes
*BT1 odd-even nuclei

NITROGEN 22
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 nitrogen isotopes
*BT1 odd-odd nuclei

NITROGEN 23
INIS: Oct 1985; ETDE: Oct 1985
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 nitrogen isotopes
*BT1 odd-even nuclei

NITROGEN ADDITIONS
BT1 alloys
NT1 steel-cr21mn9ni6
NT2 stainless steel-21-6-9
NT1 steel-nicrmo

NITROGEN BROMIDES
INIS: Apr 2000; ETDE: Dec 1980
*BT1 bromides
BT1 nitrogen compounds

NITROGEN CARBIDES
*BT1 carbides
BT1 nitrogen compounds

NITROGEN CHLORIDES
*BT1 chlorides
BT1 nitrogen compounds

NITROGEN COMPLEXES
BT1 complexes

NITROGEN COMPOUNDS
NT1 azides
NT1 carbonitrides
NT1 cyanates
NT1 hydrazine
NT1 isocyanates
NT1 isothiocyanates
NT1 nitrates
NT2 aluminium nitrates
NT2 americium nitrates
NT2 ammonium nitrates
NT2 barium nitrates
NT2 berkelium nitrates
NT2 beryllium nitrates
NT2 bismuth nitrates
NT2 cadmium nitrates
NT2 calcium nitrates
NT2 cerium nitrates
NT2 cesium nitrates
NT2 chlorine nitrates
NT2 chromium nitrates

NT2 cobalt nitrates
NT2 copper nitrates
NT2 curium nitrates
NT2 dysprosium nitrates
NT2 einsteinium nitrates
NT2 erbium nitrates
NT2 europium nitrates
NT2 gadolinium nitrates
NT2 gallium nitrates
NT2 hafnium nitrates
NT2 holmium nitrates
NT2 indium nitrates
NT2 iron nitrates
NT2 lanthanum nitrates
NT2 lead nitrates
NT2 lithium nitrates
NT2 lutetium nitrates
NT2 magnesium nitrates
NT2 manganese nitrates
NT2 mercury nitrates
NT2 neodymium nitrates
NT2 neptunium nitrates
NT2 nickel nitrates
NT2 niobium nitrates
NT2 peroxyacetyl nitrate
NT2 petn
NT2 plutonium nitrates
NT2 potassium nitrates
NT2 praseodymium nitrates
NT2 promethium nitrates
NT2 radium nitrates
NT2 rubidium nitrates
NT2 ruthenium nitrates
NT2 samarium nitrates
NT2 scandium nitrates
NT2 silver nitrates
NT2 sodium nitrates
NT2 strontium nitrates
NT2 tellurium nitrates
NT2 terbium nitrates
NT2 thallium nitrates
NT2 thorium nitrates
NT2 thulium nitrates
NT2 titanium nitrates
NT2 uranium nitrates
NT2 uranyl nitrates
NT3 unh
NT2 vanadium nitrates
NT2 ytterbium nitrates
NT2 yttrium nitrates
NT2 zinc nitrates
NT2 zirconium nitrates
NT1 nitric acid
NT1 nitrides
NT2 aluminium nitrides
NT2 americium nitrides
NT2 argon nitrides
NT2 barium nitrides
NT2 beryllium nitrides
NT2 boron nitrides
NT2 calcium nitrides
NT2 carbon nitrides
NT2 cerium nitrides
NT2 chromium nitrides
NT2 copper nitrides
NT2 dysprosium nitrides
NT2 erbium nitrides
NT2 europium nitrides
NT2 gadolinium nitrides
NT2 gallium nitrides
NT2 germanium nitrides
NT2 hafnium nitrides
NT2 holmium nitrides
NT2 indium nitrides
NT2 iron nitrides
NT2 lanthanum nitrides
NT2 lithium nitrides
NT2 magnesium nitrides
NT2 manganese nitrides
NT2 molybdenum nitrides
NT2 neodymium nitrides
NT2 neptunium nitrides
NT2 nickel nitrides
NT2 niobium nitrides
NT2 phosphorus nitrides
NT2 plutonium nitrides
NT2 potassium nitrides
NT2 praseodymium nitrides
NT2 radium nitrides
NT2 rhenium nitrides
NT2 ruthenium nitrides
NT2 samarium nitrides
NT2 scandium nitrides
NT2 silicon nitrides
NT2 silver nitrides
NT2 sodium nitrides
NT2 sulfur nitrides
NT2 tantalum nitrides
NT2 terbium nitrides
NT2 thorium nitrides
NT2 thulium nitrides
NT2 tin nitrides
NT2 titanium nitrides
NT2 tungsten nitrides
NT2 uranium nitrides
NT2 vanadium nitrides
NT2 ytterbium nitrides
NT2 yttrium nitrides
NT2 zinc nitrides
NT2 zirconium nitrides
NT1 nitrites
NT1 nitrogen bromides
NT1 nitrogen carbides
NT1 nitrogen chlorides
NT1 nitrogen fluorides
NT1 nitrogen hydrides
NT2 ammonia
NT1 nitrogen iodides
NT1 nitrogen oxides
NT2 nitric oxide
NT2 nitrogen dioxide
NT2 nitrous oxide
NT1 nitrous acid
NT1 oxynitrates
RT denitrification
RT nitrification
RT organic nitrogen compounds

NITROGEN COOLED REACTORS

*BT1 gas cooled reactors
NT1 htltr reactor
NT1 ml-1 reactor
NT1 zenith reactor

NITROGEN CYCLE

RT ecological concentration
RT ecosystems
RT fertilizers
RT metabolism
RT mineral cycling
RT nitrification
RT nitrogen fixation

NITROGEN DIOXIDE

INIS: Sep 1977; ETDE: Jan 1976
(NO2.)
*BT1 nitrogen oxides

NITROGEN FIXATION

UF *fixation (nitrogen)*
RT air
RT bacteria
RT frankia
RT metabolism
RT nitrification
RT nitrogen
RT nitrogen cycle
RT nitrogenase
RT plant growth
RT rhizobium
RT soils

NITROGEN FLUORIDES

*BT1 fluorides
BT1 nitrogen compounds

NITROGEN HYDRIDES

*BT1 hydrides
BT1 nitrogen compounds
NT1 ammonia

NITROGEN IODIDES

INIS: Apr 2000; ETDE: Jan 1975
*BT1 iodides
BT1 nitrogen compounds

NITROGEN IONS

*BT1 ions

NITROGEN ISOTOPES

BT1 isotopes
NT1 nitrogen 11
NT1 nitrogen 12
NT1 nitrogen 13
NT1 nitrogen 14
NT1 nitrogen 15
NT1 nitrogen 16
NT1 nitrogen 17
NT1 nitrogen 18
NT1 nitrogen 19
NT1 nitrogen 20
NT1 nitrogen 21
NT1 nitrogen 22
NT1 nitrogen 23

NITROGEN MUSTARD

UF *bis(chloroethyl)amine*
UF *dichlorodiethylamine*
UF *mustard (nitrogen)*
BT1 alkylating agents
*BT1 amines
*BT1 organic chlorine compounds
RT mutagens

nitrogen nitrides

Use nitrogen

NITROGEN OXIDES

BT1 nitrogen compounds
*BT1 oxides
NT1 nitric oxide
NT1 nitrogen dioxide
NT1 nitrous oxide
RT greenhouse gases
RT selective catalytic reduction

nitrogen sulfides

Use sulfur nitrides

NITROGEN TRANSFERASES

INIS: Dec 1986; ETDE: Jan 1981
(Code number 2.6.)
*BT1 transferases
NT1 aminotransferases

NITROGENASE

INIS: Oct 1983; ETDE: Jan 1981
UF *nitrogenases*
*BT1 nitro-group dehydrogenases
RT nitrogen fixation

nitrogenases

Use nitrogenase

NITROGLYCERIN

INIS: Apr 2000; ETDE: Jun 1975
*BT1 chemical explosives
*BT1 nitric acid esters
RT glycerol

NITROMETHANE
INIS: Dec 1980; ETDE: Sep 1976
*BT1 chemical explosives
*BT1 nitro compounds
RT methane

nitronic 40
Use stainless steel-21-6-9

NITROPHENOL
*BT1 nitro compounds
*BT1 phenols
RT dinitrophenol

nitroreductases
Use nitro-group dehydrogenases

NITROSAMINES
INIS: Apr 2000; ETDE: Jan 1982
*BT1 amines
*BT1 nitroso compounds
RT carcinogens
RT mutagens

NITROSO COMPOUNDS
UF *dinitrosoresorcinol*
*BT1 organic nitrogen compounds
NT1 1-nitroso-2-naphthol
NT1 methyl nitrosourea
NT1 nitrosamines
NT1 nitroso-r salt
NT1 nitrosoureas

NITROSO-R SALT
*BT1 naphthols
*BT1 nitroso compounds
*BT1 sulfonic acids

NITROSOUREAS
INIS: Jan 1985; ETDE: Jun 1984
*BT1 nitroso compounds
RT urea

NITROUS ACID
*BT1 inorganic acids
BT1 nitrogen compounds
BT1 oxygen compounds
RT nitrites

NITROUS ACID ESTERS
INIS: Apr 2000; ETDE: Dec 1976
*BT1 esters

NITROUS OXIDE
INIS: Apr 1984; ETDE: Jan 1976
(N2O.)
*BT1 nitrogen oxides
RT anesthetics

NITROXYL RADICALS
INIS: Aug 1981; ETDE: Sep 1981
BT1 radicals

nk cells
Use natural killer cells

nmp(net material product)
See gross domestic product
OR gross national product

nmr
Use nuclear magnetic resonance

NMR IMAGING
INIS: May 1986; ETDE: Nov 1986
BT1 diagnostic techniques
RT nuclear magnetic resonance

nmr logging
Use nuclear magnetic logging

NMR SPECTRA
INIS: Apr 1978; ETDE: Jul 1978
(Nuclear Magnetic Resonance spectra.)
UF *nuclear magnetic resonance spectra*
UF+ *pmr spectra*
UF+ *proton magnetic resonance spectra*
BT1 spectra
RT nuclear magnetic resonance

NMR SPECTROMETERS
*BT1 spectrometers

NN-2170 DIBARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 dibaryons

NN-2250 DIBARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 dibaryons

no. 2 fuel oil
Use heating oils

NOBELIUM
*BT1 actinides
*BT1 transplutonium elements

NOBELIUM 250
INIS: Mar 1976; ETDE: Nov 1975
*BT1 actinide nuclei
*BT1 even-even nuclei
*BT1 microseconds living radioisotopes
*BT1 nobelium isotopes
*BT1 spontaneous fission radioisotopes

NOBELIUM 251
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 milliseconds living radioisotopes
*BT1 nobelium isotopes

NOBELIUM 252
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 nobelium isotopes
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

NOBELIUM 253
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 nobelium isotopes

NOBELIUM 254
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 nobelium isotopes
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

NOBELIUM 255
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 nobelium isotopes

NOBELIUM 256
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 nobelium isotopes
*BT1 seconds living radioisotopes
*BT1 spontaneous fission radioisotopes

NOBELIUM 257
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 nobelium isotopes
*BT1 seconds living radioisotopes

NOBELIUM 258
*BT1 actinide nuclei
*BT1 even-even nuclei
*BT1 milliseconds living radioisotopes
*BT1 nobelium isotopes
*BT1 spontaneous fission radioisotopes

NOBELIUM 259
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 nobelium isotopes

NOBELIUM 260
INIS: Aug 1978; ETDE: Oct 1978
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 nobelium isotopes

NOBELIUM 261
INIS: Feb 1987; ETDE: May 1987
*BT1 actinide nuclei
*BT1 even-odd nuclei
*BT1 nobelium isotopes

NOBELIUM 262
INIS: Feb 1987; ETDE: May 1987
*BT1 actinide nuclei
*BT1 even-even nuclei
*BT1 nobelium isotopes

NOBELIUM 264
INIS: Mar 1993; ETDE: Apr 1993
*BT1 actinide nuclei
*BT1 even-even nuclei
*BT1 nobelium isotopes

NOBELIUM COMPLEXES
*BT1 actinide complexes
*BT1 transuranium complexes

NOBELIUM COMPOUNDS
UF+ *nobelium oxides*
BT1 actinide compounds
*BT1 transplutonium compounds

nobelium ions
Use ions

NOBELIUM ISOTOPES
BT1 isotopes
NT1 nobelium 250
NT1 nobelium 251
NT1 nobelium 252
NT1 nobelium 253
NT1 nobelium 254
NT1 nobelium 255
NT1 nobelium 256
NT1 nobelium 257
NT1 nobelium 258
NT1 nobelium 259
NT1 nobelium 260
NT1 nobelium 261
NT1 nobelium 262
NT1 nobelium 264

nobelium oxides
Use nobelium compounds
AND oxides

noble gases
Use rare gases

NOCARDIA
*BT1 bacteria
RT actinomyces

NOCTILUCENT CLOUDS
INIS: Apr 2000; ETDE: Jan 1975
BT1 clouds
RT airglow
RT luminescence

NOCTURNAL VARIATIONS
INIS: Apr 2000; ETDE: Jul 1980
BT1 variations
RT daily variations

NODAL EXPANSION METHOD
INIS: Sep 1989; ETDE: Oct 1989
BT1 calculation methods
RT finite difference method
RT finite element method
RT mathematics
RT mesh generation

NODULAR CORROSION
INIS: Jun 1992; ETDE: Jul 1992
*BT1 corrosion

NOGENT SUR SEINE-1 REACTOR
INIS: Jul 1984; ETDE: Sep 1984
*BT1 pwr type reactors

NOGENT SUR SEINE-2 REACTOR
INIS: Jul 1984; ETDE: Sep 1984
*BT1 pwr type reactors

NOGIZAWALITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
RT zirconium oxides

NOISE
NT1 background noise
NT1 radio noise
NT2 atmospherics
NT2 whistlers
NT1 seismic noise
NT1 temperature noise
RT fluctuations
RT noise pollution
RT noise pollution abatement
RT noise pollution control
RT signal-to-noise ratio
RT steam mufflers

noise (reactor)
Use reactor noise

NOISE DOSEMETERS
INIS: May 1992; ETDE: Aug 1983
BT1 measuring instruments
RT acoustic measurements
RT noise pollution

NOISE POLLUTION
INIS: May 1992; ETDE: Mar 1977
(Objectionable or harmful levels of noise.)
BT1 pollution
RT noise
RT noise dosemeters
RT noise pollution abatement
RT noise pollution control

NOISE POLLUTION ABATEMENT
INIS: May 1992; ETDE: Mar 1977
(Reduction of noise at its source.)
BT1 pollution abatement
RT noise
RT noise pollution
RT noise pollution control

NOISE POLLUTION CONTROL
INIS: May 1992; ETDE: Mar 1977
(Reduction of noise after it has been produced by a source.)
*BT1 pollution control
RT noise
RT noise pollution
RT noise pollution abatement
RT pollution control equipment

NOISE THERMOMETERS
INIS: Nov 1978; ETDE: Jan 1975
(Operation based on the Nyquist theorem of thermal noise.)
*BT1 in core instruments
*BT1 thermometers
RT temperature measurement

nok-1 reactor
Use beznau-1 reactor

nok-2 reactor
Use beznau-2 reactor

NOLEN-SCHIFFER ANOMALY
RT coulomb energy
RT isobaric analogs

NOMOGRAMS
*BT1 diagrams

non-aqueous solvents
Use nonaqueous solvents

non-canonical dimension
Use anomalous dimension

non-central forces
Use noncentral forces

non-destructive analysis
Use nondestructive analysis

non-destructive testing
Use nondestructive testing

NON-DISJUNCTION
UF *nondisjunction*
RT aneuploidy
RT cell division
RT genome mutations

non-dispersive ion waves
Use ion acoustic waves

NON-EQUILIBRIUM PLASMA
UF *nonequilibrium plasma*
BT1 plasma
RT bifurcation
RT equilibrium plasma
RT limit cycle
RT tail electrons
RT tail ions

NON-INDUCTIVE CURRENT DRIVE
INIS: Jun 1987; ETDE: Jul 1987
(Generation of a plasma current by a non-inductive technique.)
NT1 ecr current drive
NT1 lower hybrid current drive
RT bootstrap current
RT current-drive heating
RT electric currents
RT plasma

non lagrangian quantum field theory
Use axiomatic field theory

non-leptonic decay
Use weak hadronic decay

non-linear field theory
Use nonlinear problems
AND quantum field theory

non-linear optics
Use nonlinear optics

non-linear plasma instabilities
Use parametric instabilities

non-linear problems
Use nonlinear problems

non-linear programming
Use nonlinear programming

non-linear systems
Use nonlinear problems

non-local potential
Use nonlocal potential

non-local quantum field theory
Use yukawa nonlocal theory

non-measurable variables
Use hidden variables

non-metals
Use nonmetals

NON-PEPTIDE C-N HYDROLASES
INIS: Dec 1986; ETDE: Jan 1981
(Code number 3.5.)
*BT1 hydrolases
NT1 amidases
NT2 arginase
NT2 urease
NT1 amidinases

non-proliferation
Use proliferation

NON-PROLIFERATION POLICY
INIS: Mar 1986; ETDE: Sep 1979
RT arms control
RT ctbt
RT ctbto
RT government policies
RT non-proliferation treaty
RT nuclear fuels
RT nuclear materials diversion
RT nuclear weapons
RT nuclear weapons dismantlement
RT proliferation

NON-PROLIFERATION TREATY
UF *nonproliferation treaty*
BT1 treaties
RT arms control
RT non-proliferation policy
RT nuclear materials possession
RT proliferation
RT safeguards

non-radioactive waste disposal
Use nonradioactive waste disposal

non-radioactive wastes
Use nonradioactive wastes

non-uniform irradiation
Use nonuniform irradiation

non-unitary representations
Use nonunitary representations

NONANOIC ACID
UF *nonylic acid*
UF *pelargonic acid*
*BT1 monocarboxylic acids

NONAQUEOUS SOLVENTS
(See also ORGANIC SOLVENTS.)
UF *non-aqueous solvents*
BT1 solvents
NT1 organic solvents
NT2 cellosolves
NT2 solvesso
NT2 turpentine
RT solvation

nonaxial nuclei
Use deformed nuclei

nonbranded independent marketers
Use marketers

noncanonical dimension
Use anomalous dimension

NONCENTRAL FORCES
UF *non-central forces*
RT potentials
RT tensor mesons

NONDESTRUCTIVE ANALYSIS
UF *non-destructive analysis*
UF *nondestructive chemical analysis*
BT1 chemical analysis
NT1 activation analysis
NT2 charged-particle activation analysis
NT2 neutron activation analysis
NT2 photon activation analysis
NT1 delayed neutron analysis
NT1 deuteron microprobe analysis
NT1 electron microprobe analysis
NT1 ion microprobe analysis
NT1 ion scattering analysis
NT1 nuclear reaction analysis
NT2 delayed neutron analysis
NT1 proton microprobe analysis
NT1 radiation absorption analysis
NT1 radiation scattering analysis
NT1 x-ray emission analysis
NT2 pixe analysis
NT2 x-ray fluorescence analysis

nondestructive chemical analysis
Use nondestructive analysis

NONDESTRUCTIVE TESTING
UF *non-destructive testing*
*BT1 materials testing
NT1 acoustic testing
NT2 acoustic emission testing
NT2 ultrasonic testing
NT1 electrical testing
NT1 electromagnetic testing
NT2 eddy current testing
NT1 industrial radiography
NT2 beta radiography
NT2 gamma radiography
NT3 gamma fuel scanning
NT2 neutron radiography
NT2 proton radiography
NT2 x-ray radiography
NT1 liquid penetrant inspection
NT1 magnetic testing
NT1 radiation attenuation testing
NT1 thermal testing
NT2 frost tests
RT autoradiography
RT fuel scanning
RT in-service inspection
RT inspection
RT quality control
RT radiometric gages

nondisjunction
Use non-disjunction

nondispersive ion waves
Use ion acoustic waves

nonequilibrium plasma
Use non-equilibrium plasma

nonleptonic decay
Use weak hadronic decay

nonlinear field theory
Use nonlinear problems
AND quantum field theory

NONLINEAR OPTICS
INIS: Mar 1986; ETDE: Mar 1981
(Study of the interaction of radiation with matter in which certain variables describing the response of the matter are not proportional to variables describing the radiation.)
UF *non-linear optics*
BT1 optics
RT frequency mixing
RT harmonic generation
RT nonlinear problems

nonlinear plasma instabilities
Use parametric instabilities

NONLINEAR PROBLEMS
UF *non-linear problems*
UF *non-linear systems*
UF *nonlinear systems*
UF+ *non-linear field theory*
UF+ *nonlinear field theory*
RT baecklund transformation
RT frequency mixing
RT harmonic generation
RT harmonics
RT limit cycle
RT mathematics
RT nonlinear optics
RT plasma disruption
RT plasma instability
RT quasilinear problems
RT reactor stability

NONLINEAR PROGRAMMING
UF *non-linear programming*
BT1 programming
RT dynamic programming
RT econometrics
RT linear programming
RT mathematical models
RT optimization

nonlinear systems
Use nonlinear problems

NONLOCAL POTENTIAL
UF *non-local potential*
BT1 potentials
RT locality
RT nuclear potential
RT perey-buck model

nonlocal quantum field theory
Use yukawa nonlocal theory

NONLUMINOUS MATTER
INIS: Jan 1985; ETDE: Mar 1985
(Unseen mass in the Universe assumed from discrepancies in cosmological model values and observation.)
UF *dark matter*
UF *unobserved matter*
UF *unseen matter*
BT1 matter
RT galaxies
RT intergalactic space
RT universe

nonmeasurable variables
Use hidden variables

NONMETALS
UF *non-metals*
BT1 elements
NT1 carbon
NT2 activated carbon
NT2 carbon black
NT2 carbynes
NT2 diamonds
NT2 fullerenes
NT2 graphite
NT2 pyrolytic carbon
NT1 halogens
NT2 astatine
NT2 bromine
NT2 chlorine
NT2 fluorine
NT2 iodine
NT1 hydrogen
NT1 nitrogen
NT1 oxygen
NT1 phosphorus
NT1 rare gases
NT2 argon
NT2 helium
NT2 krypton
NT2 neon
NT2 radon
NT2 xenon
NT1 sulfur
RT semimetals

nonproliferation
Use proliferation

nonproliferation treaty
Use non-proliferation treaty

NONRADIOACTIVE WASTE DISPOSAL
(Prior to April 1977 this was a valid term.)
UF *non-radioactive waste disposal*
*BT1 nonradioactive waste management
*BT1 waste disposal
RT chemical effluents
RT waste disposal acts

NONRADIOACTIVE WASTE MANAGEMENT
INIS: Dec 1990; ETDE: Jan 1991
*BT1 waste management
NT1 nonradioactive waste disposal
RT nonradioactive wastes

NONRADIOACTIVE WASTES
(Prior to April 1977 this was a valid term.)
UF *non-radioactive wastes*
BT1 wastes
NT1 chemical wastes
NT2 chemical effluents
RT hazardous materials
RT nonradioactive waste management

NONSPECIFIC PEPTIDASES
INIS: Dec 1986; ETDE: Jan 1981
(Prior to December 1990, this concept was indexed by NONSPECIFIC PROTEINASES.)
UF *nonspecific proteinases*
*BT1 peptide hydrolases
NT1 renin
NT1 urokinase

nonspecific proteinases
Use nonspecific peptidases

NONUNIFORM IRRADIATION
UF *non-uniform irradiation*
BT1 irradiation
RT critical organs
RT isodose curves
RT radionuclide kinetics
RT spatial dose distributions

NONUNITARY REPRESENTATIONS
UF *non-unitary representations*
UF *representations (nonunitary)*
RT group theory
RT irreducible representations
RT symmetry groups
RT unitarity

nonviscous flow
Use ideal flow

nonyl radicals
Use alkyl radicals

nonylic acid
Use nonanoic acid

NORA REACTOR
UF *norwegian research reactor nora*
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors
RT enriched uranium reactors
RT natural uranium reactors

NORADRENALINE
UF *norepinephrine*
*BT1 adrenal hormones
*BT1 cardiotonics
*BT1 neuroregulators
*BT1 sympathomimetics

NORBORNADIENE
INIS: Apr 2000; ETDE: Dec 1977
*BT1 cycloalkenes

NORD COMPUTERS
INIS: Aug 1976; ETDE: Nov 1976
BT1 computers

nordheim equation
Use inhour equation

NORDHEIM-SCALETTAR METHOD
RT control rod worths

nordostschweizerische kraftwerk-1 reaktor
Use beznau-1 reactor

nordostschweizerische kraftwerk-2 reaktor
Use beznau-2 reactor

NORDSTRANDITE
INIS: Apr 2000; ETDE: Oct 1975
*BT1 oxide minerals
RT aluminium hydroxides

norepinephrine
Use noradrenaline

norilsk research reactor rg-1m
Use rg-1m reactor

NORMAL-MODE ANALYSIS
UF *analysis (normal-mode)*
RT fourier analysis
RT plasma waves

NORTH AMERICA
NT1 canada
NT2 alberta
NT2 british columbia
NT2 manitoba
NT2 new brunswick
NT2 newfoundland
NT2 northwest territories
NT2 nova scotia
NT2 ontario
NT3 chalk river
NT3 deep river
NT3 elliot lake
NT2 prince edward island
NT2 quebec
NT2 saskatchewan
NT2 yukon territory
NT1 mexico
NT1 usa
NT2 alabama
NT2 alaska
NT2 american samoa
NT2 arizona
NT2 arkansas
NT2 california
NT3 brawley geothermal field
NT3 coso hot springs
NT3 los angeles
NT2 colorado
NT3 mahogany zone
NT3 sand wash basin
NT2 connecticut
NT2 delaware
NT2 florida
NT3 cape kennedy
NT2 georgia
NT3 atlanta
NT2 great basin
NT2 hawaii
NT2 idaho
NT2 illinois
NT3 chicago
NT2 indiana
NT2 iowa
NT2 kansas
NT2 kentucky
NT2 louisiana
NT2 maine
NT2 maryland
NT2 massachusetts
NT2 michigan
NT2 minnesota
NT2 mississippi
NT2 missouri
NT2 montana
NT3 powder river basin
NT2 nebraska
NT2 nevada
NT3 steamboat springs
NT3 tonopah test range
NT2 new hampshire
NT2 new jersey
NT2 new mexico
NT3 los alamos
NT2 new york
NT3 new york city
NT2 north carolina
NT2 north dakota
NT2 ohio
NT3 cleveland
NT2 oklahoma
NT2 oregon
NT3 mt hood
NT2 pennsylvania
NT3 pittsburgh
NT2 puerto rico
NT2 rhode island
NT2 south carolina
NT2 south dakota
NT3 table mountain area
NT2 tennessee
NT3 chattanooga
NT3 oak ridge
NT2 texas
NT2 us east coast
NT2 us gulf coast
NT2 us west coast
NT2 utah
NT3 roosevelt hot springs
NT2 vermont
NT2 virgin islands
NT2 virginia
NT2 washington
NT3 richland
NT2 washington dc
NT2 west virginia
NT2 wisconsin
NT2 wyoming
NT3 powder river basin
NT3 rock springs sites
NT3 washakie basin

NORTH ANNA-1 REACTOR
(Mineral, Virginia, USA)
UF *mineral virginia north anna-1 reactor*
*BT1 pwr type reactors

NORTH ANNA-2 REACTOR
(Mineral, Virginia, USA)
UF *mineral virginia north anna-2 reactor*
*BT1 pwr type reactors

NORTH ANNA-3 REACTOR
(Mineral, Virginia, USA)
UF *mineral virginia north anna-3 reactor*
*BT1 pwr type reactors

NORTH ANNA-4 REACTOR
(Mineral, Virginia, USA)
UF *mineral virginia north anna-4 reactor*
*BT1 pwr type reactors

north atlantic region
See usa

north atlantic treaty organization
Use nato

NORTH CAROLINA
*BT1 usa
RT cape fear river
RT onslow bay
RT us east coast

north carolina pulstar reactor
Use pulstar-raleigh reactor

north carolina state college research reactor-1
Use ncscr-1 reactor

NORTH COAST-1 REACTOR
(Formerly the Aguirre-1 Reactor, relocated and renamed.)
UF *aguirre-1 reactor*
*BT1 pwr type reactors
RT aguirre reactor

NORTH DAKOTA
*BT1 usa
RT missouri river
RT williston basin

NORTH KOREA
UF *korea (north)*

BT1 asia
BT1 developing countries
RT centrally planned economies

NORTH PLATTE RIVER
INIS: Apr 2000; ETDE: Oct 1977
*BT1 rivers
RT north platte river basin

NORTH PLATTE RIVER BASIN
INIS: Apr 2000; ETDE: Oct 1977
BT1 watersheds
RT colorado
RT nebraska
RT north platte river
RT wyoming

NORTH SEA
*BT1 atlantic ocean
NT1 wadden sea

NORTH-SOUTH ASYMMETRY
(For global aspects only.)
BT1 asymmetry
RT cosmic radiation
RT geographical variations

NORTH STAR PROJECT
INIS: Apr 2000; ETDE: Oct 1976
(Proposal to ship natural gas from North Central Siberia to U.S. East Coast.)
RT international agreements
RT liquefied natural gas

north yemen
Use yemen

NORTHERN HEMISPHERE
INIS: Dec 1986; ETDE: Sep 1980
(Both for the surface and the celestial hemisphere.)
*BT1 earth planet
RT southern hemisphere

northern ireland
Use united kingdom

northern rhodesia
Use zambia

northern states monticello rea
Use monticello reactor

NORTHERN TERRITORY
*BT1 australia
RT jabiluka deposit
RT koongarra deposit
RT nabarlek deposit
RT ranger deposit
RT south alligator deposit

NORTHWEST TERRITORIES
(Prior to July 1996 PORT RADIUM was a valid ETDE descriptor.)
UF *port radium*
*BT1 canada

NORWAY
BT1 developed countries
*BT1 scandinavia
RT lapps
RT oecd

NORWEGIAN ORGANIZATIONS
BT1 national organizations

norwegian research reactor nora
Use nora reactor

nos. 4, 5, and 6 fuel oils
Use residual fuels

nos. 5 and 6 burner oils
Use residual fuels

NOSE
*BT1 face
BT1 respiratory system
RT sense organs

nose cones
See space vehicles

NOTCHES
RT cracks
RT impact tests

notice of probable violation
Use violations

notices
See administrative procedures

NOTIFICATION PROCEDURES
INIS: Dec 1976; ETDE: Nov 1990
(Procedures to be followed by a nuclear operator in compliance with his legal obligation to notify certain actions or incidents to the authorities.)
BT1 administrative procedures
RT nuclear operators

noto-1 reactor
Use shika-1 reactor

NOUGAT OPERATION
INIS: Apr 2000; ETDE: Nov 1979
*BT1 nuclear explosions
*BT1 underground explosions
RT contained explosions

NOVA FACILITY
INIS: Aug 1981; ETDE: Apr 1978
(Upgrade of SHIVA FACILITY at LLL for laser fusion experiments.)
RT laser fusion reactors
RT lawrence livermore laboratory
RT lawrence livermore national laboratory
RT neodymium lasers
RT novette facility
RT shiva facility

NOVA MODEL
*BT1 particle models

NOVA SCOTIA
*BT1 canada

NOVACEKITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 uranium minerals
RT arsenic oxides
RT magnesium oxides
RT uranium oxides

NOVAE
*BT1 eruptive variable stars
RT supernovae

novain
Use carnitine

NOVAYA ZEMLYA
INIS: Nov 1995; ETDE: Sep 1996
BT1 islands
*BT1 russian federation
RT arctic regions
RT nuclear explosions
RT radioactive waste disposal

NOVETTE FACILITY
INIS: Oct 1985; ETDE: Nov 1983
(Two-beam Nd glass laser at LLNL operating at fundamental or harmonic wavelengths used for target irradiation experiments.)
RT lawrence livermore national laboratory
RT neodymium lasers
RT nova facility
RT shiva facility

novocaine
Use procaine

NOVOVORONEZH-1 REACTOR
(prior to June 2003 this reactor was indexed with WWER-1 REACTOR)
UF *wwer-1 reactor*
*BT1 wwer type reactors

NOVOVORONEZH-2 REACTOR
(prior to June 2003 this reactor was indexed with WWER-2 REACTOR)
UF *wwer-2 reactor*
*BT1 wwer type reactors

NOVOVORONEZH-3 REACTOR
(prior to June 2003 this reactor was indexed with WWER-3 REACTOR)
UF *wwer-3 reactor*
*BT1 wwer type reactors

NOVOVORONEZH-4 REACTOR
(prior to June 2003 this reactor was indexed with WWER-4 REACTOR)
UF *wwer-4 reactor*
*BT1 wwer type reactors

NOVOVORONEZH-5 REACTOR
(prior to June 2003 this reactor was indexed with WWER-5 REACTOR)
UF *wwer-5 reactor*
*BT1 wwer type reactors

NOXSO PROCESS
INIS: Jul 1994; ETDE: Jun 1984
(A dry, sorbent regenerable system capable of removing both sulfur dioxide and NOx from flue gas generated by coal-fired boilers)
*BT1 combined soxnox processes

NOZZLES
RT aerosol generators
RT flowmeters
RT fuel injection systems
RT jet drills
RT jets
RT orifices
RT pipe fittings
RT separation nozzle method

npd-2 reactor
Use npd reactor

NPD REACTOR
(Nuclear Power Demonstration reactor, Rolphton, Ontario, Canada)
UF *npd-2 reactor*
UF *npd2 rolphton reactor*
UF *nuclear power demonstration reactor canada*
UF *nuclear power demonstration reactor-2 canada*
UF *rolphton npd-2 reactor*
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

npd2 rolphton reactor
Use npd reactor

npr reactor
Use n-reactor

nra
Use nuclear reaction analysis

nrel
Use national renewable energy laboratory

NRL CYCLOTRON
UF *naval research laboratory cyclotron*
UF *us naval research laboratory cyclotron*
*BT1 isochronous cyclotrons

NRL LINAC
UF *naval research laboratory linac*
UF *us naval research laboratory linac*
*BT1 linear accelerators

NRPB
INIS: Dec 1979; ETDE: Jan 1980
(National Radiological Protection Board.)
UF *national radiological protection board*
*BT1 united kingdom organizations

nrts
Use idaho national engineering laboratory

nrts-etr reactor
Use etr reactor

nrts-lptf reactor
Use lptf reactor

nru canada reactor
Use nru reactor

NRU REACTOR
(Atomic Energy of Canada, Ltd., Chalk River Nuclear Labs.,Ontario, Canada)
UF *canadian nru reactor*
UF *nru canada reactor*
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors

NRX-A1 REACTOR
INIS: Apr 2000; ETDE: Feb 1975
UF *nerva nrx-a1 reactor*
*BT1 experimental reactors
*BT1 space propulsion reactors

NRX-A2 REACTOR
UF *nerva nrx-a2 reactor*
*BT1 experimental reactors
*BT1 hydrogen cooled reactors
*BT1 space propulsion reactors

NRX-A3 REACTOR
UF *nerva nrx-a3 reactor*
*BT1 experimental reactors
*BT1 hydrogen cooled reactors
*BT1 space propulsion reactors

NRX-A4-EST REACTOR
UF *nerva nrx-a4 engine system test reactor*
*BT1 experimental reactors
*BT1 hydrogen cooled reactors
*BT1 space propulsion reactors

NRX-A5 REACTOR
UF *nerva nrx-a5 reactor*
*BT1 experimental reactors
*BT1 hydrogen cooled reactors
*BT1 space propulsion reactors

NRX-A6 REACTOR
UF *nerva nrx-a6 reactor*
*BT1 experimental reactors
*BT1 hydrogen cooled reactors
*BT1 space propulsion reactors

NRX-A7 REACTOR
INIS: Apr 2000; ETDE: Feb 1975
UF *nerva nrx-a7 reactor*
*BT1 experimental reactors
*BT1 space propulsion reactors
RT hydrogen cooled reactors

NRX REACTOR
(Atomic Energy of Canada, Ltd., Chalk River Nuclear Labs.,Ontario, Canada)
UF *canada nrx research reactor*
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 materials testing reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors

ns arktika
Use ns leonid brezhnev

NS ENRICO FERMI
INIS: Apr 2000; ETDE: Jan 1975
*BT1 nuclear ships

NS LENIN
UF *lenin (nuclear ship)*
*BT1 nuclear ships
RT lenin reactor

NS LEONID BREZHNEV
INIS: Jul 1976; ETDE: Aug 1994
(Prior to November 1982 known as NS ARKTIKA.)
UF *arktika (nuclear ship)*
UF *leonid brezhnev (nuclear ship)*
UF *ns arktika*
*BT1 nuclear ships
RT leonid brezhnev reactor

NS MUTSU
UF *mutsu (nuclear ship)*
*BT1 nuclear merchant ships
RT mutsu reactor

NS OTTO HAHN
UF *otto hahn (nuclear ship)*
*BT1 nuclear merchant ships
RT otto hahn reactor

NS SAVANNAH
UF *savannah (nuclear ship)*
*BT1 nuclear merchant ships
RT savannah reactor

NS SIBIR
INIS: Sep 1985; ETDE: Oct 1985
UF *sibir (nuclear ship)*
*BT1 nuclear ships
RT sibir reactor

NSCR REACTOR
(Texas A and M University, College Station, Texas, USA)
UF *college station texas training reactor*
UF *nuclear science center reactor texas*
UF *texas college station training reactor*
*BT1 pool type reactors
*BT1 training reactors
*BT1 triga type reactors

NSF-RFP REACTOR
UF *nuclear safety facility-rfp reactor*
UF *rocky flats plant nuclear safety facility*
*BT1 zero power reactors

NSLS
INIS: Sep 1979; ETDE: Apr 1979
UF *national synchrotron light source*
*BT1 synchrotron radiation sources
RT light sources
RT synchrotron radiation
RT synchrotrons
RT x-ray sources

nspp
Use nuclear safety pilot plant

NSRR REACTOR
(Nuclear Safety Research Reactor in Japan)
UF *nuclear safety research reactor (japan)*
*BT1 enriched uranium reactors
*BT1 hydride moderated reactors
*BT1 mixed spectrum reactors
*BT1 pulsed reactors
*BT1 research reactors
*BT1 solid homogeneous reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

NSTX DEVICE
INIS: Jul 1999; ETDE: Sep 1999
(National Spherical Torus Experiment, Princeton Plasma Physics Laboratory, USA.)
*BT1 spheromak devices

NTA
UF *nitrilotriacetic acid*
*BT1 amino acids
BT1 chelating agents

NTR REACTOR
(General Electric Company, Vallecitos Nuclear Center, Pleasanton, California, USA)
UF *general electric nuclear test reactor*
UF *nuclear test reactor general electric company*
UF *pleasanton usa ntr reactor*
*BT1 enriched uranium reactors
*BT1 graphite moderated reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

NTU PROCESS
INIS: Apr 2000; ETDE: Apr 1975
(Air is admitted at top of retort, supporting combustion which moves downward through oil shale bed. When fire front reaches bottom, operation is halted; spent shale is dumped. A batch process, it is not suitable for retorting on commercial basis.)
RT oil shales
RT retorting

nuclear accidents
Use accidents

nuclear acoustic resonance
Use acoustic nmr

NUCLEAR ALIGNMENT
RT oriented nuclei
RT spin orientation

nuclear and radiation safety federal authority of russia
Use gosatomnadzor rossii

nuclear attacks
Use nuclear weapons

NUCLEAR CASCADES
UF *cascades (nuclear)*
UF *intranuclear cascades*
BT1 energy-level transitions
NT1 gamma cascades
RT energy levels

nuclear charge
Use atomic number

NUCLEAR CHEMISTRY
(Study of nuclei and nuclear reactions using chemical methods. Prior to March 1986 RADIOCHEMISTRY was used for this concept.)
BT1 chemistry
RT nuclear physics
RT radiochemistry

nuclear contestation
Use public relations

nuclear controversy
Use nuclear power
AND public opinion

NUCLEAR CORES
UF *cores (nuclear)*
UF+ *core polarization (nuclei)*
RT nuclear structure

NUCLEAR DAMAGE
INIS: Dec 1976; ETDE: Nov 1989
(All physical or material damage caused by a nuclear incident, i.e. resulting from the radioactive or other hazardous properties of nuclear materials.)
UF *damage (nuclear)*
RT accidents
RT damage
RT vcoclnd

nuclear damage, conv. on supplementary compensation for
Use cscnd

nuclear damage, vienna civil liability convention
Use vcoclnd

NUCLEAR DATA COLLECTIONS
(Use only for items about nuclear data collections, not for items which contain nuclear data.)
UF *endf*
UF *evaluated nuclear data file*
RT cinda
RT compiled data
RT data base management
RT data compilation
RT evaluated data
RT information systems
RT international nuclear data committee
RT libraries
RT us nuclear data network

NUCLEAR DECAY
INIS: Feb 1978; ETDE: Oct 1988
BT1 decay
NT1 alpha decay
NT1 beta decay
NT2 beta-minus decay
NT3 double beta decay
NT2 beta-plus decay
NT2 electron capture decay
NT3 k capture
NT3 l capture
NT3 m capture
NT1 gamma decay
NT1 heavy ion emission decay
NT2 carbon 12 emission decay
NT2 carbon 14 emission decay
NT2 carbon 16 emission decay
NT2 magnesium 28 emission decay
NT2 magnesium 30 emission decay
NT2 neon 24 emission decay
NT2 oxygen 16 emission decay
NT2 silicon 32 emission decay
NT2 silicon 34 emission decay
NT1 internal conversion
NT2 k conversion
NT2 l conversion
NT2 m conversion
NT1 proton-emission decay
NT1 spontaneous fission

NUCLEAR DEFORMATION
(For the deformation in the excited state of nuclei which are not deformed in the ground state.)
BT1 deformation
RT deformed nuclei

nuclear density
Use nuclear matter

NUCLEAR DETERRENCE
INIS: Sep 1994; ETDE: May 1984
(Nuclear adversaries overbuilding both warheads and delivery capacity, with a standoff ensuing because of the retaliatory potential of the opponent deterring the would-be aggressor.)
RT national security
RT nuclear weapons
RT proliferation

NUCLEAR DISARMAMENT
INIS: Dec 1976; ETDE: Jul 1980
SF *disarmament*
RT arms control
RT ctbt
RT ctbto
RT nuclear freeze
RT nuclear weapons
RT nuclear weapons dismantlement
RT safeguards
RT salt talks

NUCLEAR ELECTRIC MOMENTS
UF *nuclear moments (electric)*
BT1 electric moments
BT1 nuclear properties
RT electric dipole moments
RT nuclear quadrupole resonance
RT perturbed angular correlation
RT quadrupole moments

NUCLEAR EMULSIONS
RT autoradiography
RT images
RT latent images
RT photographic film detectors
RT photographic film dosemeters
RT photographic films
RT radiator counters

NUCLEAR ENERGY
(Use only in the general sense, such as for energy production or the comparison of different sources of energy.)
UF *atomic energy*
BT1 energy
RT nuclear power plants

nuclear energy agency
Use nea

nuclear energy agency (oecd)
Use nea

NUCLEAR ENGINEERING
BT1 engineering
RT nuclear industry
RT reactor technology
RT reactors
RT technology transfer

nuclear engineering test reactor
Use netr reactor

nuclear evaporation
Use evaporation model

NUCLEAR EXCAVATION
BT1 excavation
RT cratering explosions
RT nuclear explosions
RT plowshare project
RT surface explosions
RT underground explosions
RT underwater explosions

NUCLEAR EXPLOSION DETECTION
UF *detection (nuclear explosions)*
BT1 detection
RT atmospheric explosions
RT ctbt
RT in-country detection
RT nuclear explosions
RT seismic detection
RT underground explosions

NUCLEAR EXPLOSIONS
(Specifically named single nuclear explosions are listed by name and the word EVENT, e.g., BOXCAR EVENT. All projects involving nuclear explosions are listed by the project name and the word PROJECT, e.g., PLOWSHARE PROJECT.)
UF *atomic explosions*
UF *buffalo project*
UF *events (nuclear explosions)*
UF *ivy project*
UF *jangle project*
UF *nuclear weapon tests*
UF *project buffalo*
UF *project ivy*
UF *project jangle*
UF+ *agrini event*
UF+ *almendro event*
UF+ *annie event*
UF+ *argus event*
UF+ *baneberry event*
UF+ *benham event*
UF+ *bowline operation*
UF+ *boxcar event*
UF+ *bronco event*
UF+ *cabriolet event*
UF+ *calabash event*
UF+ *cannikin event*
UF+ *carpetbag event*
UF+ *danny boy event*
UF+ *dining car event*
UF+ *emery operation*
UF+ *faultless event*
UF+ *flintlock operation*
UF+ *fulcrum operation*
UF+ *fusileer operation*
UF+ *greeley event*
UF+ *halfbeak event*
UF+ *handcar event*
UF+ *handley event*
UF+ *harry event*
UF+ *holly event*
UF+ *husky ace event*

UF+ *hutch event*
UF+ *jorum event*
UF+ *latir event*
UF+ *marvel event*
UF+ *mighty epic event*
UF+ *milrow event*
UF+ *miniata event*
UF+ *monique event*
UF+ *orange event*
UF+ *pin stripe event*
UF+ *pokhran event*
UF+ *portmanteau event*
UF+ *redmud event*
UF+ *romeo event*
UF+ *rulison event*
UF+ *scotch event*
UF+ *smoky event*
UF+ *starfish event*
UF+ *swordfish event*
UF+ *teak event*
UF+ *tewa event*
UF+ *tybo event*
UF+ *wagon wheel event*
UF+ *yankee event*
UF+ *zuni event*
BT1 explosions
NT1 anvil project
NT1 arbor project
NT1 bedrock project
NT1 castle project
NT1 crossroads project
NT1 crosstie operation
NT2 gasbuggy event
NT1 dominic project
NT1 greenhouse project
NT1 grommet operation
NT1 hardtack project
NT1 latchkey operation
NT1 mandrel operation
NT1 nougat operation
NT1 plumbbob project
NT1 praetorian project
NT1 ranger project
NT1 sandstone project
NT1 sun beam operation
NT1 thermonuclear explosions
NT1 toggle operation
NT2 rio blanco event
NT1 trinity event
NT1 whetstone operation
RT aleutian islands
RT artificial radiation belts
RT atmospheric explosions
RT azgir test site
RT cavities
RT civil defense
RT contained explosions
RT cratering explosions
RT ctbt
RT ctbto
RT electromagnetic pulses
RT excavation
RT explosive fracturing
RT explosive stimulation
RT fallout
RT fission
RT fission products
RT global fallout
RT ground motion
RT hiroshima
RT in-country detection
RT little boy
RT marshall islands
RT nagasaki
RT nevada test site
RT novaya zemlya
RT nuclear excavation
RT nuclear explosion detection
RT nuclear fireballs
RT nuclear test sites
RT nuclear weapons
RT nuclear winter
RT plowshare project
RT radioactive clouds
RT redwing project
RT seismic effects
RT seismic events
RT semipalatinsk test site
RT shelters
RT shock waves
RT surface explosions
RT thunderbird project
RT underground explosions
RT underwater explosions
RT upshot project
RT vela project

NUCLEAR EXPLOSIVES

BT1 explosives

NUCLEAR FACILITIES

(From August 1976 till March 1997 HUMECA URANIUM MILL was a valid ETDE descriptor.)
UF *facilities (nuclear)*
UF *humeca uranium mill*
UF *installation sites*
UF *nuclear installation sites*
UF *sites (nuclear installations)*
NT1 feed materials plants
NT2 feed materials production center
NT2 west valley uf6 facility
NT1 fuel cycle centers
NT1 fuel fabrication plants
NT2 cimarron plutonium production plant
NT2 cimarron uranium fuel plant
NT2 exxon fuel fabrication facility
NT2 mixed oxide fuel fabrication plants
NT2 westinghouse recycle fuels plant
NT1 fuel reprocessing plants
NT2 barnwell fuel processing plant
NT2 cea la hague
NT2 cogema la hague
NT2 hef
NT2 idaho chemical processing plant
NT2 midwest fuel recovery plant
NT2 nuclear fuel recovery and recycling center
NT2 sellafield reprocessing plant
NT2 wackersdorf reprocessing plant
NT2 wak
NT2 west valley processing plant
NT2 westinghouse recycle fuels plant
NT1 hot labs
NT1 irradiation plants
NT2 isomed
NT1 isotope separation plants
NT2 centrifuge enrichment plants
NT3 portsmouth centrifuge enrichment plant
NT2 gaseous diffusion plants
NT3 cogema pierrelatte
NT3 orgdp
NT3 paducah plant
NT3 portsmouth gaseous diffusion plant
NT2 heavy water plants
NT2 tritium extraction plants
NT1 kyshtym plant
NT1 mayak plant
NT1 nuclear power plants
NT2 bopssar standard plant
NT2 ebasco standard plant
NT2 gibbssar standard plant
NT2 offshore nuclear power plants
NT2 swessar standard plant
NT2 underground nuclear stations
NT1 radioactive waste facilities
NT2 asse salt mine
NT2 aube plant
NT2 gorleben salt dome
NT2 konrad ore mine
NT2 manche plant
NT2 mochovce radioactive waste repository
NT2 morsleben salt mine
NT2 pamela plant
NT2 vaalputs radioactive waste disposal facility
NT2 wipp
NT1 surplus nuclear facilities
RT biointrusion
RT controlled areas
RT energy facilities
RT external zones
RT human intrusion
RT laboratories
RT maintenance facilities
RT nuclear parks
RT public anxiety
RT site approvals
RT storage facilities
RT test facilities
RT underground facilities

nuclear ferromagnetism

Use ferromagnetism
AND nuclear magnetism

NUCLEAR FIREBALL MODEL

INIS: Sep 1978; ETDE: Oct 1978
(A nuclear reaction model for the total disintegration of the two nuclei in relativistic heavy ion reactions.)
UF *firestreak model*
*BT1 nuclear models
RT evaporation model
RT heavy ion reactions
RT inclusive interactions
RT quasi-fission
RT spallation

NUCLEAR FIREBALLS

INIS: Aug 1975; ETDE: Jan 1975
UF *fireballs (nuclear)*
SF *fireballs*
RT nuclear explosions

NUCLEAR FORCES

NT1 wigner force
RT binding energy
RT mass defect
RT nuclear potential
RT potentials
RT tensor forces

NUCLEAR FRAGMENTATION

INIS: Nov 1975; ETDE: Jun 1989
(Until January 1986, this was a forbidden term and this concept was indexed by SPALLATION.)
BT1 nuclear reactions
RT deep inelastic heavy ion reactions
RT fission
RT incomplete fusion reactions
RT nuclear fragments
RT spallation

NUCLEAR FRAGMENTS

INIS: Nov 1978; ETDE: Sep 1977
(Nuclear reaction products.)
UF *fragments (nuclear)*
NT1 anomalons
NT1 fission fragments
NT1 hypernuclei
NT1 spallation fragments
RT fission

RT nuclear fragmentation
RT nuclear reaction yield
RT spallation

NUCLEAR FREEZE

INIS: Feb 1993; ETDE: Jul 1987
(A mutual freeze on the testing, production, and deployment of nuclear weapons and of missiles and new aircraft designed primarily to deliver nuclear weapons.)
RT arms control
RT ctbt
RT ctbto
RT international agreements
RT nuclear disarmament

nuclear fuel centers

Use fuel cycle centers

NUCLEAR FUEL CONVERSION

(Conversion of a fertile substance into a fissile substance.)
UF *conversion (nuclear fuel)*
NT1 breeding
RT conversion ratio
RT fertile materials

nuclear fuel elements

Use fuel elements

NUCLEAR FUEL RECOVERY AND RECYCLING CENTER

INIS: Jul 1980; ETDE: Sep 1976
(EXXON NUCLEAR FACILITY ROANE COUNTY, Tennessee, USA. Prior to December 1990, this concept was indexed by EXXON RECOVERY AND RECYCLE PLA.)
UF *exxon recovery and recycle plant*
SF *exxon nuclear facility*
*BT1 fuel reprocessing plants
RT tennessee

NUCLEAR FUELS

UF *fuels (nuclear)*
UF *reactor fuels*
UF *reactor fuels (fission)*
BT1 energy sources
BT1 fuels
*BT1 reactor materials
NT1 alloy nuclear fuels
NT1 denatured fuel
NT1 dispersion nuclear fuels
NT1 fuel solutions
NT1 liquid metal fuels
NT1 mixed carbide fuels
NT1 mixed nitride fuels
NT1 mixed oxide fuels
NT1 molten salt fuels
NT1 spent fuels
RT accelerator breeders
RT burnup
RT fertile materials
RT fissile materials
RT fissium
RT fuel cycle
RT fuel densification
RT fuel elements
RT fuel integrity
RT fuel particles
RT fuel pellets
RT fuel washers
RT fuel-cladding interactions
RT fuel-coolant interactions
RT gas fuels
RT non-proliferation policy
RT nuclear materials management
RT plutonium
RT reactors
RT thorium cycle
RT uranium

NUCLEAR FURNACE REACTOR

*BT1 beryllium moderated reactors
*BT1 enriched uranium reactors
*BT1 research and test reactors
*BT1 tank type reactors
*BT1 water moderated reactors

NUCLEAR HALOS

UF *halo states*
UF *neutron halos*
UF *proton halos*
RT nuclear potential
RT nuclear structure

NUCLEAR INDUSTRY

BT1 industry
RT construction
RT fuel fabrication plants
RT fuel reprocessing plants
RT gaseous diffusion plants
RT nuclear engineering
RT nuclear parks
RT usur

nuclear installation sites

Use nuclear facilities

nuclear installations inspectorate

Use uk nii

NUCLEAR INSTRUMENT MODULES

(Standard instrumentation modules designed to be interchangeable physically and electrically.)
UF *aec-nim*
UF *nim*
RT camac system
RT computers
RT data acquisition systems
RT data transmission
RT electronic equipment
RT fastbus system
RT modular structures
RT on-line control systems

NUCLEAR INSURANCE

BT1 insurance
RT price-anderson act

NUCLEAR LIABILITY

INIS: Dec 1976; ETDE: Aug 1991
(The special liability regime, for nuclear damage, of the operators of nuclear installations.)
BT1 liabilities
RT cscnd
RT liability exclusions
RT liability limitations
RT nuclear operators
RT pcotpl
RT price-anderson act
RT time limitations
RT vcoclnd

nuclear log

Use radioactivity logging

NUCLEAR MAGNETIC LOGGING

INIS: Apr 1978; ETDE: Jun 1976
UF *nmr logging*
BT1 well logging

NUCLEAR MAGNETIC MOMENTS

UF *nuclear moments (magnetic)*
BT1 magnetic moments
BT1 nuclear properties
RT magnetic dipole moments
RT nuclear magnetism
RT perturbed angular correlation
RT quadrupole moments
RT schmidt lines

NUCLEAR MAGNETIC RESONANCE

UF *nmr*
UF *nuclear spin resonance*
UF *paramagnetic resonance (nuclear)*
*BT1 magnetic resonance
NT1 acoustic nmr
NT1 td-nmr
RT chemical shift
RT contrast media
RT double resonance methods
RT knight shift
RT level mixing resonance
RT nmr imaging
RT nmr spectra
RT nuclear magnetism
RT overhauser effect
RT spin echo
RT spin-lattice relaxation
RT spin-spin relaxation
RT structural chemical analysis

nuclear magnetic resonance spectra

Use nmr spectra

NUCLEAR MAGNETISM

INIS: Mar 1985; ETDE: Nov 1990
(Refers to ordering of nuclear spins at extremely low temperatures.)
UF+ *nuclear ferromagnetism*
BT1 magnetism
RT nuclear magnetic moments
RT nuclear magnetic resonance
RT spin orientation

nuclear mater, agencia brasil-argentina contabil controle

Use abacc

NUCLEAR MATERIALS DIVERSION

RT civex process
RT cppnm
RT detection
RT motion detection systems
RT non-proliferation policy
RT safeguards
RT security personnel

NUCLEAR MATERIALS MANAGEMENT

UF *accountability (nuclear materials)*
UF *fissionable materials management*
UF+ *dymac system*
UF+ *dynamic materials accountability system*
SF *accountability*
BT1 management
NT1 fuel management
RT accounting
RT cost
RT cppnm
RT detection
RT fissile materials
RT fissionable materials
RT fuel cycle
RT harvest process
RT identification systems
RT intrusion detection systems
RT losses
RT material unaccounted for
RT nuclear fuels
RT nuclear materials possession
RT nuclear weapons dismantlement

RT radioactive wastes
RT reprocessing
RT safeguards

NUCLEAR MATERIALS POSSESSION

INIS: Dec 1976; ETDE: Jun 1977
UF *possession (nuclear materials)*
RT non-proliferation treaty
RT nuclear materials management
RT nuclear trade
RT proliferation
RT safeguard regulations
RT safeguards

nuclear materials, convention on physical protection

Use cppnm

NUCLEAR MATRIX

BT1 matrices

NUCLEAR MATTER

UF *neutron matter*
UF *nuclear density*
UF *nuclear matter density*
BT1 matter
RT centauro-type events
RT neutron stars
RT nuclei
RT pion condensation
RT quark matter
RT walecka model

nuclear matter density

Use nuclear matter

NUCLEAR MEDICINE

UF+ *radiodiagnosis (radionuclides)*
BT1 medicine
NT1 radiology
NT2 biomedical radiography
NT3 fluoroscopy
NT3 ionographic imaging
NT3 osteodensitometry
NT3 renography
NT2 radiotherapy
NT3 afterloading
NT3 brachytherapy
NT3 neutron therapy
NT4 neutron capture therapy
NT3 radioimmunotherapy
RT clearance
RT diagnosis
RT diagnostic techniques
RT gamma cameras
RT labelled compounds
RT positron cameras
RT radioisotope scanning
RT radioisotopes
RT radiopharmaceuticals
RT scintiscanning
RT tracer techniques

NUCLEAR MERCHANT SHIPS

INIS: Mar 1976; ETDE: May 1978
UF *commercial nuclear ships*
*BT1 nuclear ships
NT1 ns mutsu
NT1 ns otto hahn
NT1 ns savannah

NUCLEAR MODELS

UF *models (nuclear)*
BT1 mathematical models
NT1 black nucleus model
NT1 brueckner model
NT1 cloudy crystal ball model
NT1 cluster model
NT1 coherent tube model
NT1 collective model
NT2 rotation-vibration model
NT1 cranking model
NT1 davydov-filipov model
NT1 droplet model
NT1 elliot model
NT1 evaporation model
NT2 weisskopf model
NT1 exciton model
NT1 fermi gas model
NT1 folding model
NT1 goldberger model
NT1 lane-thomas-wigner model
NT1 liquid drop model
NT1 nilsson-mottelson model
NT1 nuclear fireball model
NT1 order-disorder model
NT1 particle-core coupling model
NT1 particle-hole model
NT1 perey-buck model
NT1 quartet model
NT1 quasiparticle-phonon model
NT1 scission-point model
NT1 shell models
NT2 governor model
NT2 interacting boson model
NT2 multi-center shell model
NT1 single-particle model
NT1 spherical model
NT1 strong-absorption model
NT1 superfluid model
NT1 unified model
NT1 valency model
NT1 vibron model
NT1 vmi model
NT1 walecka model
NT1 weak-coupling model
RT bohr-wheeler theory
RT brueckner method
RT compound nuclei
RT deformed nuclei
RT hamada-johnston potential
RT harmonic oscillator models
RT hartree-fock method
RT hartree-fock-bogolyubov theory
RT hill-wheeler theory
RT hurwitz effect
RT hydrodynamic model
RT kisslinger-sorensen theory
RT nuclear radii
RT nuclear structure
RT nucleon-nucleon potential
RT optical models
RT strutinsky theory
RT thomas-fermi model

NUCLEAR MOLECULES

RT interactions
RT nuclei

nuclear moments (electric)

Use nuclear electric moments

nuclear moments (magnetic)

Use nuclear magnetic moments

NUCLEAR OPERATORS

INIS: Dec 1976; ETDE: Aug 1991
(The financially responsible organizations or persons.)
UF *operators (nuclear facilities)*
RT national organizations
RT notification procedures
RT nuclear liability
RT wano

NUCLEAR PARKS

(A facility containing a nuclear power plant plus on-site support industries such as fuel fabrication plants, reprocessing plants, etc.)
UF *parks (nuclear)*
BT1 energy parks
RT fuel fabrication plants
RT fuel reprocessing plants
RT nuclear facilities
RT nuclear industry
RT nuclear power plants

NUCLEAR PHYSICS

(Use only for indexing articles of very broad coverage, such as annual reviews, text books, etc.)
BT1 physics
RT high energy physics
RT nuclear chemistry
RT nuclear theory

nuclear physics research institute amsterdam

Use iko

NUCLEAR POISONS

(Neutron absorbers in a reactor.)
UF *poisons (nuclear)*
*BT1 reactor materials
NT1 burnable poisons
NT1 fission poisons
NT1 soluble poisons
RT poisoning
RT reactor poison removal
RT samarium oscillations
RT xenon oscillations

NUCLEAR POTENTIAL

BT1 potentials
NT1 fission barrier
NT1 hard-core potential
NT1 harmonic potential
NT1 hulthen potential
NT1 soft-core potential
NT1 square-well potential
NT1 woods-saxon potential
NT1 yukawa potential
RT gamow barrier
RT hamada-johnston potential
RT nonlocal potential
RT nuclear forces
RT nuclear halos
RT optical models
RT tabakin potential
RT wigner-eisenbud theory

NUCLEAR POWER

UF+ *nuclear controversy*
BT1 power
NT1 residual power
RT electric power
RT electric power industry
RT nuclear power phaseout
RT off-peak power
RT power generation

nuclear power demonstration reactor-2 canada

Use npd reactor

nuclear power demonstration reactor canada

Use npd reactor

NUCLEAR POWER PHASEOUT

INIS: Dec 1982; ETDE: Oct 1978
(Policy scenario wherein plants now operating or under construction are allowed normal-life

operation, but no additional plants are allowed.)
RT energy policy
RT government policies
RT nuclear power

nuclear power plant research institute
Use vuje

NUCLEAR POWER PLANTS
UF *nuclear power stations*
BT1 nuclear facilities
*BT1 thermal power plants
NT1 bopssar standard plant
NT1 ebasco standard plant
NT1 gibbssar standard plant
NT1 offshore nuclear power plants
NT1 swessar standard plant
NT1 underground nuclear stations
RT nuclear energy
RT nuclear parks
RT power reactors
RT risk assessment
RT thermonuclear power plants

nuclear power stations
Use nuclear power plants

NUCLEAR PROPERTIES
NT1 nuclear electric moments
NT1 nuclear magnetic moments
NT1 nuclear radii
RT limiting values
RT nuclear structure

nuclear-pumped lasers
Use nuclear pumping

NUCLEAR PUMPING
(Laser-like pumping in nuclei, produced by electrons or, in general, by beams of charged particles.)
UF *nuclear-pumped lasers*
UF *pumping (nuclear)*
BT1 pumping
RT electrical pumping
RT gasers
RT lasers
RT optical pumping
RT stimulated emission

NUCLEAR QUADRUPOLE RESONANCE
BT1 resonance
RT electric fields
RT level mixing resonance
RT nuclear electric moments
RT quadrupole moments

NUCLEAR RADII
UF *charge radius (nuclear)*
UF *mass radius (nuclear)*
BT1 nuclear properties
RT charge distribution
RT nuclear models
RT nuclear structure
RT particle radii

NUCLEAR REACTION ANALYSIS
(Chemical analysis based on detection and analysis of prompt nuclear reaction products, e.g., gamma rays, neutrons, or charged particles.)
UF *analysis (nuclear reaction)*
UF *nra*
UF+ *pige analysis*
*BT1 nondestructive analysis
NT1 delayed neutron analysis
RT activation analysis
RT nuclear reaction analyzers

NUCLEAR REACTION ANALYZERS
INIS: Jan 1986; ETDE: Jan 1979
BT1 measuring instruments
RT delayed neutron analysis
RT fuel scanning
RT neutron activation analyzers
RT nuclear reaction analysis

NUCLEAR REACTION KINETICS
*BT1 reaction kinetics
RT coupled channel born approximation
RT distorted wave theory
RT dwba
RT finite-range interactions
RT nuclear reactions
RT q-value
RT rescattering
RT resonating-group method
RT spin flip
RT zero-range approximation

NUCLEAR REACTION YIELD
UF *yield (nuclear reaction)*
BT1 yields
NT1 fission yield
NT1 fusion yield
RT nuclear fragments
RT nuclear reactions

NUCLEAR REACTIONS
NT1 antineutrino reactions
NT1 breakup reactions
NT1 charge-exchange reactions
NT1 charged-particle reactions
NT2 alpha reactions
NT2 deuteron reactions
NT3 antideuteron reactions
NT2 electron reactions
NT3 electrofission
NT2 helium 3 reactions
NT2 meson reactions
NT3 kaon reactions
NT4 kaon minus reactions
NT4 kaon neutral reactions
NT4 kaon plus reactions
NT3 pion reactions
NT4 pion minus reactions
NT4 pion plus reactions
NT2 muon reactions
NT2 proton reactions
NT2 triton reactions
NT1 cold fusion
NT1 compound-nucleus reactions
NT1 direct reactions
NT2 knock-on reactions
NT2 knock-out reactions
NT2 quasi-free reactions
NT3 quasi-elastic scattering
NT2 transfer reactions
NT3 multi-nucleon transfer reactions
NT4 four-nucleon transfer reactions
NT5 alpha-transfer reactions
NT4 many-nucleon transfer reactions
NT4 three-nucleon transfer reactions
NT4 two-nucleon transfer reactions
NT3 one-nucleon transfer reactions
NT3 pickup reactions
NT3 stripping
NT1 fission
NT2 binary fission
NT2 cold fission
NT2 electrofission
NT2 fast fission
NT2 photofission
NT2 quaternary fission
NT2 spontaneous fission
NT2 ternary fission
NT2 thermal fission
NT1 hadron reactions
NT2 baryon reactions
NT3 hyperon reactions
NT3 nucleon reactions
NT4 antinucleon reactions
NT5 antineutron reactions
NT5 antiproton reactions
NT4 neutron reactions
NT5 fast fission
NT5 thermal fission
NT4 proton reactions
NT2 meson reactions
NT3 kaon reactions
NT4 kaon minus reactions
NT4 kaon neutral reactions
NT4 kaon plus reactions
NT3 pion reactions
NT4 pion minus reactions
NT4 pion plus reactions
NT1 heavy ion reactions
NT2 aluminium 27 reactions
NT2 argon 36 reactions
NT2 argon 40 reactions
NT2 beryllium 11 reactions
NT2 beryllium 7 reactions
NT2 beryllium 8 reactions
NT2 beryllium 9 reactions
NT2 bismuth 209 reactions
NT2 boron 10 reactions
NT2 boron 11 reactions
NT2 boron 8 reactions
NT2 bromine 79 reactions
NT2 bromine 81 reactions
NT2 calcium 40 reactions
NT2 calcium 42 reactions
NT2 calcium 44 reactions
NT2 calcium 48 reactions
NT2 carbon 12 reactions
NT2 carbon 13 reactions
NT2 carbon 14 reactions
NT2 chlorine 35 reactions
NT2 chlorine 37 reactions
NT2 chromium 52 reactions
NT2 chromium 54 reactions
NT2 cobalt 59 reactions
NT2 copper 63 reactions
NT2 copper 65 reactions
NT2 deep inelastic heavy ion reactions
NT2 dysprosium 161 reactions
NT2 erbium 166 reactions
NT2 fluorine 19 reactions
NT2 gadolinium 155 reactions
NT2 germanium 70 reactions
NT2 germanium 74 reactions
NT2 germanium 76 reactions
NT2 gold 197 reactions
NT2 heavy ion fusion reactions
NT2 helium 6 reactions
NT2 helium 8 reactions
NT2 holmium 165 reactions
NT2 incomplete fusion reactions
NT2 iodine 127 reactions
NT2 iron 54 reactions
NT2 iron 56 reactions
NT2 iron 58 reactions
NT2 krypton 80 reactions
NT2 krypton 82 reactions
NT2 krypton 83 reactions
NT2 krypton 84 reactions
NT2 krypton 86 reactions
NT2 lanthanum 139 reactions
NT2 lead 206 reactions
NT2 lead 208 reactions
NT2 lithium 11 reactions
NT2 lithium 6 reactions
NT2 lithium 7 reactions
NT2 lithium 8 reactions

NT2 lithium 9 reactions
NT2 magnesium 24 reactions
NT2 magnesium 25 reactions
NT2 magnesium 26 reactions
NT2 manganese 55 reactions
NT2 molybdenum 100 reactions
NT2 molybdenum 92 reactions
NT2 molybdenum 96 reactions
NT2 molybdenum 98 reactions
NT2 neodymium 142 reactions
NT2 neodymium 150 reactions
NT2 neon 20 reactions
NT2 neon 22 reactions
NT2 neon 29 reactions
NT2 nickel 58 reactions
NT2 nickel 59 reactions
NT2 nickel 60 reactions
NT2 nickel 61 reactions
NT2 nickel 62 reactions
NT2 nickel 64 reactions
NT2 niobium 93 reactions
NT2 nitrogen 13 reactions
NT2 nitrogen 14 reactions
NT2 nitrogen 15 reactions
NT2 oxygen 14 reactions
NT2 oxygen 16 reactions
NT2 oxygen 17 reactions
NT2 oxygen 18 reactions
NT2 palladium 110 reactions
NT2 palladium 118 reactions
NT2 phosphorus 31 reactions
NT2 potassium 39 reactions
NT2 quasi-fission
NT2 ruthenium 104 reactions
NT2 samarium 144 reactions
NT2 samarium 154 reactions
NT2 scandium 45 reactions
NT2 selenium 76 reactions
NT2 selenium 80 reactions
NT2 selenium 82 reactions
NT2 silicon 28 reactions
NT2 silicon 29 reactions
NT2 silicon 30 reactions
NT2 silver 109 reactions
NT2 sodium 23 reactions
NT2 sulfur 32 reactions
NT2 sulfur 33 reactions
NT2 sulfur 34 reactions
NT2 sulfur 36 reactions
NT2 sulfur 39 reactions
NT2 tellurium 130 reactions
NT2 thallium 205 reactions
NT2 thorium 232 reactions
NT2 tin 112 reactions
NT2 tin 116 reactions
NT2 tin 118 reactions
NT2 tin 120 reactions
NT2 tin 122 reactions
NT2 tin 124 reactions
NT2 titanium 46 reactions
NT2 titanium 48 reactions
NT2 titanium 49 reactions
NT2 titanium 50 reactions
NT2 tungsten 183 reactions
NT2 tungsten 184 reactions
NT2 uranium 235 reactions
NT2 uranium 238 reactions
NT2 vanadium 51 reactions
NT2 xenon 129 reactions
NT2 xenon 132 reactions
NT2 xenon 134 reactions
NT2 xenon 136 reactions
NT2 zinc 64 reactions
NT2 zinc 68 reactions
NT2 zinc 70 reactions
NT2 zirconium 90 reactions
NT2 zirconium 92 reactions
NT2 zirconium 96 reactions
NT1 lepton reactions
NT2 electron reactions
NT3 electrofission
NT2 muon reactions
NT2 neutrino reactions
NT2 positron reactions
NT1 nuclear fragmentation
NT1 photonuclear reactions
NT2 photofission
NT1 precompound-nucleus emission
NT1 secondary reactions
NT1 spallation
NT1 strangeness-exchange reactions
NT1 thermonuclear reactions
NT2 impact fusion
NT2 muon-catalyzed fusion
RT capture
RT capture-to-fission ratio
RT chain reactions
RT cinda
RT coherent tube model
RT coupled channel born approximation
RT coupled channel theory
RT cross sections
RT delayed gamma radiation
RT detailed balance principle
RT excitation functions
RT feshbach-weisskopf model
RT form factors
RT g matrix
RT giant resonance
RT hauser-feshbach theory
RT hot atom chemistry
RT impact parameter
RT integral cross sections
RT intermediate resonance
RT intermediate structure
RT jackson model
RT k matrix
RT lane-robson theory
RT lewis peak
RT longitudinal momentum
RT nuclear reaction kinetics
RT nuclear reaction yield
RT oppenheimer-phillips process
RT polarized products
RT prompt gamma radiation
RT proximity scattering
RT r matrix
RT reaction product transport systems
RT reich-moore formula
RT rescattering
RT scattering
RT shadow effect
RT skyrme potential
RT spectroscopic factors
RT strangeness analog resonances
RT targets
RT threshold energy
RT transverse energy
RT transverse momentum
RT valency model
RT yang theorem

nuclear reactors
Use reactors

nuclear regulatory authority of the slovak republic
Use ujd

nuclear research centre, tehran
Use tehran nuclear research centre

nuclear safety
Use radiation protection

nuclear safety convention
Use icns

nuclear safety culture
Use safety culture

nuclear safety facility-rfp reactor
Use nsf-rfp reactor

NUCLEAR SAFETY PILOT PLANT
UF *nspp*
BT1 reactor safety experiments

nuclear safety research reactor (japan)
Use nsrr reactor

nuclear science center reactor texas
Use nscr reactor

NUCLEAR SCREENING
UF *screening (nuclear)*
RT coulomb field
RT effective charge

nuclear ship arktika reactor
Use leonid brezhnev reactor

nuclear ship lenin reactor
Use lenin reactor

nuclear ship leonid brezhnev reactor
Use leonid brezhnev reactor

nuclear ship mutsu reactor
Use mutsu reactor

nuclear ship operation liability convention, brussels
Use bcolons

nuclear ship otto hahn reactor
Use otto hahn reactor

nuclear ship savannah reactor
Use savannah reactor

nuclear ship sibir reactor
Use sibir reactor

NUCLEAR SHIP VISITS
INIS: Dec 1976; ETDE: Apr 1981
RT bcolons
RT maritime laws
RT nuclear ships
RT territorial waters
RT transport regulations

NUCLEAR SHIPS
BT1 ships
NT1 ns enrico fermi
NT1 ns lenin
NT1 ns leonid brezhnev
NT1 ns sibir
NT1 nuclear merchant ships
NT2 ns mutsu
NT2 ns otto hahn
NT2 ns savannah
RT bcolons
RT nuclear ship visits
RT ship propulsion reactors
RT solas convention
RT submarines

NUCLEAR SPECIFIC HEAT
INIS: Mar 1976; ETDE: Jan 1975
(Contribution to specific heat by lattice vibrations)
*BT1 specific heat
RT electronic specific heat
RT lattice vibrations

nuclear spin resonance
Use nuclear magnetic resonance

NUCLEAR STRUCTURE
RT backbending
RT belyaev theory
RT energy levels
RT even-even nuclei
RT even-odd nuclei
RT generator-coordinate method
RT hartree-fock method
RT hartree-fock-bogolyubov theory
RT heavy nuclei
RT interacting boson model
RT intermediate mass nuclei
RT k-harmonics method
RT light nuclei
RT magic nuclei
RT nuclear cores
RT nuclear halos
RT nuclear models
RT nuclear properties
RT nuclear radii
RT nuclei
RT odd-even nuclei
RT odd-odd nuclei
RT particle-core coupling model
RT quartet model
RT yrast states

NUCLEAR SUPERHEATING
*BT1 superheating

NUCLEAR TEMPERATURE
UF *temperature (nuclear)*
RT energy
RT evaporation model
RT nuclei

nuclear test reactor general electric company
Use ntr reactor

NUCLEAR TEST SITES
NT1 azgir test site
NT1 nevada test site
NT1 semipalatinsk test site
RT nuclear explosions
RT nuclear weapons

NUCLEAR THEORY
NT1 hauser-feshbach theory
RT broken-pair approximation
RT nuclear physics

NUCLEAR TRADE
INIS: Dec 1976; ETDE: Mar 1978
(Trade or commerce involving special nuclear material or any other radioactive materials, instruments, equipment, plants, etc., of nuclear interest.)
UF *commerce (nuclear)*
UF *trade (nuclear)*
BT1 trade
RT economic development
RT economic policy
RT nuclear materials possession
RT transport

nuclear transmutation
Use transmutation

NUCLEAR WASTE POLICY ACTS
INIS: Jul 1985; ETDE: Jun 1984
(For legislation of any country relating to the handling of nuclear radioactive wastes.)
UF *radioactive waste policy acts*
*BT1 atomic energy laws
*BT1 waste disposal acts
RT high-level radioactive wastes
RT low-level radioactive wastes
RT radioactive waste disposal
RT radioactive wastes
RT spent fuel storage
RT spent fuels

nuclear wastes
Use radioactive wastes

nuclear weapon tests
Use nuclear explosions

NUCLEAR WEAPONS
(Prior to August 1996 TUMBLER PROJECT was a valid ETDE descriptor.)
UF *atomic bombs*
UF *atomic weapons*
UF *nuclear attacks*
UF *thermonuclear weapons*
SF *tumbler project*
BT1 weapons
NT1 enhanced radiation weapons
NT1 little boy
RT azgir test site
RT ballistic missile defense
RT bangkok treaty
RT castle project
RT civil defense
RT ctbt
RT ctbto
RT fallout
RT hiroshima
RT local fallout
RT manhattan project
RT nagasaki
RT national defense
RT nevada test site
RT non-proliferation policy
RT nuclear deterrence
RT nuclear disarmament
RT nuclear explosions
RT nuclear test sites
RT nuclear winter
RT pelindaba treaty
RT plumbbob project
RT projectiles
RT rarotonga treaty
RT redwing project
RT semipalatinsk test site
RT shelters
RT teapot project
RT tlatelolco treaty
RT unidir

NUCLEAR WEAPONS DISMANTLEMENT
INIS: Sep 1994; ETDE: Sep 1994
(The program for disassembly of nuclear weapons and the destruction, conversion or storage of their constituent materials, including the plutonium or highly enriched uranium.)
UF *dismantlement (nuclear weapons)*
RT arms control
RT non-proliferation policy
RT nuclear disarmament
RT nuclear materials management
RT proliferation

nuclear weapons proliferation
Use proliferation

nuclear weapons, latin american prohibition treaty
Use tlatelolco treaty

NUCLEAR WINTER
INIS: Sep 1986; ETDE: May 1985
(The atmospheric effects resulting from nuclear war. The major effect is considered to be a hemispheric temperature drop to as low as -40 deg C lasting several months.)
RT ambient temperature
RT climates
RT environmental impacts
RT nuclear explosions
RT nuclear weapons

nuclease (deoxyribonuclease)
Use dna-ase

nuclease (ribonuclease)
Use rna-ase

NUCLEASES
*BT1 phosphodiesterases
NT1 dna-ase
NT2 endonucleases
NT1 rna-ase
RT micrococcus luteus
RT nucleic acids
RT nucleoproteins

NUCLEATE BOILING
*BT1 boiling
NT1 departure nucleate boiling
RT heat transfer
RT nucleation

NUCLEATION
RT crystal growth
RT crystallization
RT nucleate boiling

NUCLEBRAS
INIS: Mar 1977; ETDE: Jun 1977
*BT1 brazilian organizations

NUCLEI
NT1 antinuclei
NT2 antideuterons
NT2 antiprotons
NT2 antitritons
NT1 cosmic nuclei
NT1 deformed nuclei
NT2 superdeformed nuclei
NT1 even-even nuclei
NT2 argon 32
NT2 argon 34
NT2 argon 36
NT2 argon 38
NT2 argon 40
NT2 argon 42
NT2 argon 44
NT2 argon 46
NT2 argon 50
NT2 barium 114
NT2 barium 116
NT2 barium 118
NT2 barium 120
NT2 barium 122
NT2 barium 124
NT2 barium 126
NT2 barium 128
NT2 barium 130
NT2 barium 132
NT2 barium 134
NT2 barium 136
NT2 barium 138
NT2 barium 140
NT2 barium 142
NT2 barium 144
NT2 barium 146
NT2 barium 148
NT2 beryllium 10
NT2 beryllium 12
NT2 beryllium 14
NT2 beryllium 6
NT2 beryllium 8
NT2 cadmium 100

NT2 cadmium 102
NT2 cadmium 104
NT2 cadmium 106
NT2 cadmium 108
NT2 cadmium 110
NT2 cadmium 112
NT2 cadmium 114
NT2 cadmium 116
NT2 cadmium 118
NT2 cadmium 120
NT2 cadmium 122
NT2 cadmium 124
NT2 cadmium 126
NT2 cadmium 128
NT2 cadmium 130
NT2 cadmium 96
NT2 cadmium 98
NT2 calcium 36
NT2 calcium 38
NT2 calcium 40
NT2 calcium 42
NT2 calcium 44
NT2 calcium 46
NT2 calcium 48
NT2 calcium 50
NT2 calcium 52
NT2 californium 238
NT2 californium 240
NT2 californium 242
NT2 californium 244
NT2 californium 246
NT2 californium 248
NT2 californium 250
NT2 californium 252
NT2 californium 254
NT2 californium 256
NT2 carbon 10
NT2 carbon 12
NT2 carbon 14
NT2 carbon 16
NT2 carbon 18
NT2 carbon 20
NT2 carbon 22
NT2 carbon 8
NT2 cerium 124
NT2 cerium 126
NT2 cerium 128
NT2 cerium 130
NT2 cerium 132
NT2 cerium 134
NT2 cerium 136
NT2 cerium 138
NT2 cerium 140
NT2 cerium 142
NT2 cerium 144
NT2 cerium 146
NT2 cerium 148
NT2 cerium 150
NT2 cerium 152
NT2 chromium 42
NT2 chromium 44
NT2 chromium 46
NT2 chromium 48
NT2 chromium 50
NT2 chromium 52
NT2 chromium 54
NT2 chromium 56
NT2 chromium 58
NT2 chromium 60
NT2 chromium 62
NT2 curium 232
NT2 curium 236
NT2 curium 238
NT2 curium 240
NT2 curium 242
NT2 curium 244
NT2 curium 246
NT2 curium 248
NT2 curium 250
NT2 curium 252
NT2 dysprosium 142
NT2 dysprosium 144
NT2 dysprosium 146
NT2 dysprosium 148
NT2 dysprosium 150
NT2 dysprosium 152
NT2 dysprosium 154
NT2 dysprosium 156
NT2 dysprosium 158
NT2 dysprosium 160
NT2 dysprosium 162
NT2 dysprosium 164
NT2 dysprosium 166
NT2 dysprosium 168
NT2 element 104 254
NT2 element 104 256
NT2 element 104 258
NT2 element 104 260
NT2 element 104 262
NT2 element 106 260
NT2 element 106 262
NT2 element 106 266
NT2 element 108 264
NT2 element 108 266
NT2 element 108 270
NT2 element 110 270
NT2 erbium 146
NT2 erbium 148
NT2 erbium 150
NT2 erbium 152
NT2 erbium 154
NT2 erbium 156
NT2 erbium 158
NT2 erbium 160
NT2 erbium 162
NT2 erbium 164
NT2 erbium 166
NT2 erbium 168
NT2 erbium 170
NT2 erbium 172
NT2 erbium 174
NT2 fermium 242
NT2 fermium 244
NT2 fermium 246
NT2 fermium 248
NT2 fermium 250
NT2 fermium 252
NT2 fermium 254
NT2 fermium 256
NT2 fermium 258
NT2 gadolinium 138
NT2 gadolinium 140
NT2 gadolinium 142
NT2 gadolinium 144
NT2 gadolinium 146
NT2 gadolinium 148
NT2 gadolinium 150
NT2 gadolinium 152
NT2 gadolinium 154
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NT2 gadolinium 162
NT2 gadolinium 164
NT2 germanium 62
NT2 germanium 64
NT2 germanium 66
NT2 germanium 68
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NT2 germanium 72
NT2 germanium 74
NT2 germanium 76
NT2 germanium 78
NT2 germanium 80
NT2 germanium 82
NT2 germanium 84
NT2 hafnium 154
NT2 hafnium 156
NT2 hafnium 158
NT2 hafnium 160
NT2 hafnium 162
NT2 hafnium 164
NT2 hafnium 166
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NT2 hafnium 170
NT2 hafnium 172
NT2 hafnium 174
NT2 hafnium 176
NT2 hafnium 178
NT2 hafnium 180
NT2 hafnium 182
NT2 hafnium 184
NT2 hafnium 186
NT2 helium 10
NT2 helium 4
NT3 helium i
NT3 helium ii
NT2 helium 6
NT2 helium 8
NT2 iron 46
NT2 iron 48
NT2 iron 50
NT2 iron 52
NT2 iron 54
NT2 iron 56
NT2 iron 58
NT2 iron 60
NT2 iron 62
NT2 iron 64
NT2 iron 66
NT2 iron 68
NT2 krypton 70
NT2 krypton 72
NT2 krypton 74
NT2 krypton 76
NT2 krypton 78
NT2 krypton 80
NT2 krypton 82
NT2 krypton 84
NT2 krypton 86
NT2 krypton 88
NT2 krypton 90
NT2 krypton 92
NT2 krypton 94
NT2 krypton 96
NT2 krypton 98
NT2 lead 180
NT2 lead 182
NT2 lead 184
NT2 lead 186
NT2 lead 188
NT2 lead 190
NT2 lead 192
NT2 lead 194
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NT2 lead 198
NT2 lead 200
NT2 lead 202
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NT2 lead 208
NT2 lead 210
NT2 lead 212
NT2 lead 214
NT2 lead 216
NT2 magnesium 20
NT2 magnesium 22
NT2 magnesium 24
NT2 magnesium 26
NT2 magnesium 28
NT2 magnesium 30
NT2 magnesium 32
NT2 magnesium 34
NT2 magnesium 36
NT2 mercury 176
NT2 mercury 178
NT2 mercury 180

NT2 mercury 182
NT2 mercury 184
NT2 mercury 186
NT2 mercury 188
NT2 mercury 190
NT2 mercury 192
NT2 mercury 194
NT2 mercury 196
NT2 mercury 198
NT2 mercury 200
NT2 mercury 202
NT2 mercury 204
NT2 mercury 206
NT2 mercury 208
NT2 mercury 210
NT2 mercury 212
NT2 molybdenum 100
NT2 molybdenum 102
NT2 molybdenum 104
NT2 molybdenum 106
NT2 molybdenum 108
NT2 molybdenum 84
NT2 molybdenum 86
NT2 molybdenum 88
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NT2 molybdenum 92
NT2 molybdenum 94
NT2 molybdenum 96
NT2 molybdenum 98
NT2 neodymium 128
NT2 neodymium 130
NT2 neodymium 132
NT2 neodymium 134
NT2 neodymium 136
NT2 neodymium 138
NT2 neodymium 140
NT2 neodymium 142
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NT2 neodymium 148
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NT2 neodymium 154
NT2 neodymium 156
NT2 neon 16
NT2 neon 18
NT2 neon 20
NT2 neon 22
NT2 neon 24
NT2 neon 26
NT2 neon 28
NT2 neon 30
NT2 neon 32
NT2 nickel 50
NT2 nickel 52
NT2 nickel 54
NT2 nickel 56
NT2 nickel 58
NT2 nickel 60
NT2 nickel 62
NT2 nickel 64
NT2 nickel 66
NT2 nickel 68
NT2 nickel 72
NT2 nickel 74
NT2 nickel 78
NT2 nobelium 250
NT2 nobelium 252
NT2 nobelium 254
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NT2 nobelium 258
NT2 nobelium 260
NT2 nobelium 262
NT2 nobelium 264
NT2 osmium 162
NT2 osmium 164
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NT2 osmium 194
NT2 osmium 196
NT2 oxygen 12
NT2 oxygen 14
NT2 oxygen 16
NT2 oxygen 18
NT2 oxygen 20
NT2 oxygen 22
NT2 oxygen 24
NT2 oxygen 28
NT2 palladium 100
NT2 palladium 102
NT2 palladium 104
NT2 palladium 106
NT2 palladium 108
NT2 palladium 110
NT2 palladium 112
NT2 palladium 114
NT2 palladium 116
NT2 palladium 118
NT2 palladium 120
NT2 palladium 94
NT2 palladium 96
NT2 palladium 98
NT2 platinum 168
NT2 platinum 170
NT2 platinum 172
NT2 platinum 174
NT2 platinum 176
NT2 platinum 178
NT2 platinum 180
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NT2 platinum 184
NT2 platinum 186
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NT2 platinum 190
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NT2 platinum 198
NT2 platinum 200
NT2 platinum 202
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NT2 platinum 206
NT2 platinum 208
NT2 plutonium 228
NT2 plutonium 230
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NT2 polonium 188
NT2 polonium 190
NT2 polonium 192
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NT2 polonium 200
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NT2 radium 206
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NT2 radium 222
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NT2 radium 234
NT2 radon 196
NT2 radon 200
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NT2 radon 216
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NT2 radon 228
NT2 ruthenium 100
NT2 ruthenium 102
NT2 ruthenium 104
NT2 ruthenium 106
NT2 ruthenium 108
NT2 ruthenium 110
NT2 ruthenium 112
NT2 ruthenium 114
NT2 ruthenium 88
NT2 ruthenium 90
NT2 ruthenium 92
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NT2 ruthenium 98
NT2 samarium 134
NT2 samarium 136
NT2 samarium 138
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NT2 samarium 148
NT2 samarium 150
NT2 samarium 152
NT2 samarium 154
NT2 samarium 156
NT2 samarium 158
NT2 samarium 160
NT2 selenium 66
NT2 selenium 68
NT2 selenium 70
NT2 selenium 72
NT2 selenium 74
NT2 selenium 76
NT2 selenium 78
NT2 selenium 80
NT2 selenium 82
NT2 selenium 84
NT2 selenium 86
NT2 selenium 88
NT2 silicon 22
NT2 silicon 24

NT2 silicon 26
NT2 silicon 28
NT2 silicon 30
NT2 silicon 32
NT2 silicon 34
NT2 silicon 36
NT2 silicon 38
NT2 silicon 40
NT2 silicon 42
NT2 strontium 100
NT2 strontium 102
NT2 strontium 76
NT2 strontium 78
NT2 strontium 80
NT2 strontium 82
NT2 strontium 84
NT2 strontium 86
NT2 strontium 88
NT2 strontium 90
NT2 strontium 92
NT2 strontium 94
NT2 strontium 96
NT2 strontium 98
NT2 sulfur 24
NT2 sulfur 28
NT2 sulfur 30
NT2 sulfur 32
NT2 sulfur 34
NT2 sulfur 36
NT2 sulfur 38
NT2 sulfur 40
NT2 sulfur 42
NT2 sulfur 44
NT2 sulfur 46
NT2 sulfur 48
NT2 tellurium 106
NT2 tellurium 108
NT2 tellurium 110
NT2 tellurium 112
NT2 tellurium 114
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NT2 tellurium 118
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NT2 tellurium 134
NT2 tellurium 136
NT2 tellurium 138
NT2 thorium 212
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NT2 thorium 220
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NT2 thorium 226
NT2 thorium 228
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NT2 thorium 238
NT2 tin 100
NT2 tin 102
NT2 tin 104
NT2 tin 106
NT2 tin 108
NT2 tin 110
NT2 tin 112
NT2 tin 114
NT2 tin 116
NT2 tin 118
NT2 tin 120
NT2 tin 122
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NT2 tin 126
NT2 tin 128
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NT2 tin 132
NT2 tin 134
NT2 titanium 40
NT2 titanium 42
NT2 titanium 44
NT2 titanium 46
NT2 titanium 48
NT2 titanium 50
NT2 titanium 52
NT2 titanium 54
NT2 titanium 56
NT2 tungsten 158
NT2 tungsten 160
NT2 tungsten 162
NT2 tungsten 164
NT2 tungsten 166
NT2 tungsten 168
NT2 tungsten 170
NT2 tungsten 172
NT2 tungsten 174
NT2 tungsten 176
NT2 tungsten 178
NT2 tungsten 180
NT2 tungsten 182
NT2 tungsten 184
NT2 tungsten 186
NT2 tungsten 188
NT2 tungsten 190
NT2 tungsten 192
NT2 uranium 218
NT2 uranium 222
NT2 uranium 224
NT2 uranium 226
NT2 uranium 228
NT2 uranium 230
NT2 uranium 232
NT2 uranium 234
NT2 uranium 236
NT2 uranium 238
NT2 uranium 240
NT2 uranium 242
NT2 xenon 110
NT2 xenon 112
NT2 xenon 114
NT2 xenon 116
NT2 xenon 118
NT2 xenon 120
NT2 xenon 122
NT2 xenon 124
NT2 xenon 126
NT2 xenon 128
NT2 xenon 130
NT2 xenon 132
NT2 xenon 134
NT2 xenon 136
NT2 xenon 138
NT2 xenon 140
NT2 xenon 142
NT2 xenon 144
NT2 xenon 146
NT2 ytterbium 150
NT2 ytterbium 152
NT2 ytterbium 154
NT2 ytterbium 156
NT2 ytterbium 158
NT2 ytterbium 160
NT2 ytterbium 162
NT2 ytterbium 164
NT2 ytterbium 166
NT2 ytterbium 168
NT2 ytterbium 170
NT2 ytterbium 172
NT2 ytterbium 174
NT2 ytterbium 176
NT2 ytterbium 178
NT2 ytterbium 180
NT2 zinc 58
NT2 zinc 60
NT2 zinc 62
NT2 zinc 64
NT2 zinc 66
NT2 zinc 68
NT2 zinc 70
NT2 zinc 72
NT2 zinc 74
NT2 zinc 76
NT2 zinc 78
NT2 zinc 80
NT2 zirconium 100
NT2 zirconium 102
NT2 zirconium 104
NT2 zirconium 80
NT2 zirconium 82
NT2 zirconium 84
NT2 zirconium 86
NT2 zirconium 88
NT2 zirconium 90
NT2 zirconium 92
NT2 zirconium 94
NT2 zirconium 96
NT2 zirconium 98
NT1 even-odd nuclei
NT2 argon 31
NT2 argon 33
NT2 argon 35
NT2 argon 37
NT2 argon 39
NT2 argon 41
NT2 argon 43
NT2 argon 45
NT2 argon 47
NT2 argon 49
NT2 argon 51
NT2 barium 115
NT2 barium 117
NT2 barium 119
NT2 barium 121
NT2 barium 123
NT2 barium 125
NT2 barium 127
NT2 barium 129
NT2 barium 131
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NT2 californium 239
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NT2 californium 255
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NT2 erbium 145
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NT2 molybdenum 101
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NT2 nobelium 251
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NT2 osmium 163
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NT2 oxygen 13
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NT2 platinum 169
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NT2 samarium 131
NT2 samarium 133
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NT2 selenium 65
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NT2 tellurium 107

NT2 tellurium 109
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NT2 tungsten 159
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NT2 uranium 219
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NT2 xenon 111
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NT2 ytterbium 151
NT2 ytterbium 153
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NT2 zirconium 101
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NT1 heavy nuclei
NT2 actinide nuclei
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NT3 einsteinium 243

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NT2 iridium 181
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NT1 mirror nuclei
NT1 odd-even nuclei
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NT2 actinium 209
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NT2 americium 239

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NT2 berkelium 243
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NT2 berkelium 247
NT2 berkelium 249
NT2 berkelium 251
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NT2 bismuth 191
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NT2 holmium 167
NT2 holmium 169
NT2 holmium 171

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NT2 bismuth 198

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NT2 element 109 268
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NT2 europium 130
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NT2 holmium 172
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NT2 lithium 10
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NT2 sodium 24
NT2 sodium 26
NT2 sodium 28
NT2 sodium 30
NT2 sodium 32
NT2 sodium 34
NT2 tantalum 156
NT2 tantalum 158
NT2 tantalum 160
NT2 tantalum 162

NT2 tantalum 164
NT2 tantalum 166
NT2 tantalum 168
NT2 tantalum 170
NT2 tantalum 172
NT2 tantalum 174
NT2 tantalum 176
NT2 tantalum 178
NT2 tantalum 180
NT2 tantalum 182
NT2 tantalum 184
NT2 tantalum 186
NT2 technetium 100
NT2 technetium 102
NT2 technetium 104
NT2 technetium 106
NT2 technetium 108
NT2 technetium 110
NT2 technetium 112
NT2 technetium 88
NT2 technetium 90
NT2 technetium 92
NT2 technetium 94
NT2 technetium 96
NT2 technetium 98
NT2 terbium 140
NT2 terbium 144
NT2 terbium 146
NT2 terbium 148
NT2 terbium 150
NT2 terbium 152
NT2 terbium 154
NT2 terbium 156
NT2 terbium 158
NT2 terbium 160
NT2 terbium 162
NT2 terbium 164
NT2 terbium 166
NT2 thallium 182
NT2 thallium 184
NT2 thallium 186
NT2 thallium 188
NT2 thallium 190
NT2 thallium 192
NT2 thallium 194
NT2 thallium 196
NT2 thallium 198
NT2 thallium 200
NT2 thallium 202
NT2 thallium 204
NT2 thallium 206
NT2 thallium 208
NT2 thallium 210
NT2 thulium 146
NT2 thulium 148
NT2 thulium 150
NT2 thulium 152
NT2 thulium 154
NT2 thulium 156
NT2 thulium 158
NT2 thulium 160
NT2 thulium 162
NT2 thulium 164
NT2 thulium 166
NT2 thulium 168
NT2 thulium 170
NT2 thulium 172
NT2 thulium 174
NT2 thulium 176
NT2 vanadium 42
NT2 vanadium 44
NT2 vanadium 46
NT2 vanadium 48
NT2 vanadium 50
NT2 vanadium 52
NT2 vanadium 54
NT2 vanadium 56
NT2 vanadium 58
NT2 vanadium 60
NT2 yttrium 100
NT2 yttrium 102
NT2 yttrium 80
NT2 yttrium 82
NT2 yttrium 84
NT2 yttrium 86
NT2 yttrium 88
NT2 yttrium 90
NT2 yttrium 92
NT2 yttrium 94
NT2 yttrium 96
NT2 yttrium 98
NT1 oriented nuclei
RT fundamental constants
RT isotopes
RT nuclear matter
RT nuclear molecules
RT nuclear structure
RT nuclear temperature
RT overhauser effect

nuclei (cells)

Use cell nuclei

NUCLEIC ACID DENATURATION

(Breaking of H-bonds between strands of NA.)
UF *denaturation (nucleic acid)*
RT decomposition
RT heat treatments
RT molecular structure
RT nucleic acids
RT ph value

NUCLEIC ACID HYBRIDIZATION

INIS: Dec 1991; ETDE: Jan 1995
*BT1 genetic engineering
NT1 dna hybridization
NT2 dna-cloning
NT1 in-situ hybridization

NUCLEIC ACID REPLICATION

NT1 dna replication

NUCLEIC ACIDS

(Prior to August 1996 THYMONUCLEIC ACID was a valid ETDE descriptor.)
UF *thymonucleic acid*
BT1 organic compounds
NT1 dna
NT2 contigs
NT2 oligonucleotides
NT2 recombinant dna
NT1 rna
NT2 messenger-rna
NT2 ribosomal rna
NT2 transfer rna
RT biological repair
RT cell nuclei
RT genetics
RT nucleases
RT nucleic acid denaturation
RT nucleoproteins
RT nucleotides
RT photoreactivation
RT precursor
RT ribosides
RT two-dimensional electrophoresis

nucleogenesis

Use nucleosynthesis

NUCLEOLI

*BT1 cell nuclei
RT chromosomes
RT human chromosomes
RT ribosomal rna
RT rna

NUCLEON-ANTINUCLEON INTERACTIONS

*BT1 baryon-baryon interactions
NT1 antiproton-neutron interactions
NT1 neutron-antineutron interactions
NT1 proton-antineutron interactions
NT1 proton-antiproton interactions

NUCLEON BEAMS

*BT1 particle beams
NT1 neutron beams
NT1 proton beams

nucleon-deuteron interactions

Use baryon-baryon interactions

NUCLEON-HYPERON INTERACTIONS

*BT1 baryon-baryon interactions

nucleon isobars

Use n*baryons

NUCLEON-NUCLEON INTERACTIONS

*BT1 baryon-baryon interactions
NT1 neutron-neutron interactions
NT1 proton-nucleon interactions
NT2 proton-neutron interactions
NT2 proton-proton interactions
RT reid potential
RT schiffer potential

NUCLEON-NUCLEON POTENTIAL

UF *gammel-brueckner potential*
BT1 potentials
NT1 gauss potential
NT1 hamada-johnston potential
NT1 reid potential
NT1 schiffer potential
NT1 skyrme potential
NT1 surface delta potential
NT1 yamaguchi potential
RT interactions
RT jastrow theory
RT nuclear models
RT nucleons
RT ope potential
RT resonating-group method
RT rosenfeld force
RT tabakin potential
RT yukawa potential

NUCLEON REACTIONS

*BT1 baryon reactions
NT1 antinucleon reactions
NT2 antineutron reactions
NT2 antiproton reactions
NT1 neutron reactions
NT2 fast fission
NT2 thermal fission
NT1 proton reactions

NUCLEONS

(Prior to August 1996 STAPP THEORY was a valid ETDE descriptor.)
SF *stapp theory*
SF *stapp-ypsilantis-metropolis theory*
*BT1 baryons
NT1 antinucleons
NT2 antineutrons
NT2 antiprotons
NT1 neutrons
NT2 antineutrons
NT2 beta-delayed neutrons
NT2 cold neutrons
NT3 ultracold neutrons
NT2 cosmic neutrons

NT2 epithermal neutrons
NT2 fast neutrons
NT2 fission neutrons
NT3 delayed neutrons
NT3 prompt neutrons
NT2 intermediate neutrons
NT2 photoneutrons
NT2 pile neutrons
NT2 polyneutrons
NT3 dineutrons
NT3 tetraneutrons
NT3 trineutrons
NT2 resonance neutrons
NT2 slow neutrons
NT2 solar neutrons
NT2 thermal neutrons
NT1 photonucleons
NT2 photoneutrons
NT2 photoprotons
NT1 protons
NT2 antiprotons
NT2 cosmic protons
NT2 delayed protons
NT2 diprotons
NT2 photoprotons
NT2 prompt protons
NT2 solar protons
NT2 trapped protons
RT brueckner method
RT charge independence
RT effective range theory
RT hard-core potential
RT levinger-bethe theory
RT nucleon-nucleon potential
RT ope potential
RT pseudovector coupling
RT rosenfeld force
RT tabakin potential
RT wolfenstein parameters
RT yamaguchi potential
RT yukawa potential

NUCLEOPROTEINS

*BT1 proteins
RT dna methylases
RT dna polymerases
RT dna-ase
RT endonucleases
RT gene recombination proteins
RT gene repressors
RT histones
RT nucleases
RT nucleic acids
RT protamines
RT rna polymerases
RT rna processing
RT splicing
RT transcription factors

NUCLEOSIDES

*BT1 nucleotides
BT1 ribosides
NT1 adenosine
NT1 budr
NT1 cytidine
NT1 deoxycytidine
NT1 deoxyuridine
NT1 fudr
NT1 guanosine
NT1 inosine
NT1 iododeoxyuridine
NT1 thymidine
NT1 uridine
RT biological indicators
RT purines
RT pyrimidines

NUCLEOSOMES

INIS: Aug 1984; ETDE: Apr 1980
(Chromatin subunits composed of DNA-histone complexes.)
BT1 chromatin
RT dna
RT histones

NUCLEOSYNTHESIS

UF *nucleogenesis*
BT1 synthesis
NT1 heavy ion fusion reactions
NT1 thermonuclear reactions
NT2 impact fusion
NT2 muon-catalyzed fusion
RT carbon burning
RT cno cycle
RT cosmochemistry
RT helium burning
RT hydrogen burning
RT origin
RT r process
RT s process
RT stars

NUCLEOTIDASES

(Code number 3.1.3.31,3.1.3.5, and 3.1.3.6.)
*BT1 phosphatases

nucleotide dehydrogenases

Use oxidoreductases

NUCLEOTIDES

(CYTRIPHOS and DEOXYCYTIDYLIC ACID have been valid ETDE descriptors.)
UF *deoxycytidylic acid*
UF+ *cytriphos*
BT1 organic compounds
NT1 adenylic acid
NT1 adp
NT1 amp
NT1 atp
NT1 cytidylic acid
NT1 guanylic acid
NT1 nad
NT1 nadh2
NT1 nadp
NT1 nucleosides
NT2 adenosine
NT2 budr
NT2 cytidine
NT2 deoxycytidine
NT2 deoxyuridine
NT2 fudr
NT2 guanosine
NT2 inosine
NT2 iododeoxyuridine
NT2 thymidine
NT2 uridine
NT1 thymidylic acid
NT1 udpg
NT1 ump
NT1 uridylic acid
NT1 utp
RT codons
RT dna sequencing
RT hypoxanthine
RT nucleic acids
RT oligonucleotides
RT organic acids

NUCLEOTIDYLTRANSFERASES

INIS: Dec 1986; ETDE: Jan 1981
(Code number 2.7.7.)
*BT1 phosphorus-group transferases
NT1 polymerases
NT2 dna polymerases
NT2 rna polymerases

nuclides

Use isotopes

numak reactors

Use uwmak devices

NUMATRON ACCELERATOR

INIS: Feb 1984; ETDE: Mar 1984
*BT1 heavy ion accelerators

NUMBER CODES

BT1 computer codes

NUMERICAL ANALYSIS

INIS: Feb 1992; ETDE: Jan 1976
(Study of approximation methods using arithmetic techniques.)
BT1 mathematics
RT computer calculations
RT computerized simulation
RT numerical solution
RT prony method

NUMERICAL DATA

INIS: Oct 1978; ETDE: Feb 1979
(Use only in conjunction with literary indicator N for data flagging.)
*BT1 data
NT1 compiled data
NT1 evaluated data
NT1 experimental data
NT1 financial data
NT1 statistical data
NT1 theoretical data

numerical data tagging

Use data tagging

NUMERICAL SOLUTION

(For the procedure only.)
BT1 mathematical solutions
NT1 extrapolation
NT1 finite difference method
NT1 finite element method
NT2 boundary element method
NT1 interpolation
NT1 maximum-likelihood fit
NT2 least square fit
NT1 runge-kutta method
RT calculation methods
RT galerkin-petrov method
RT iterative methods
RT newton method
RT numerical analysis

NUSSELT NUMBER

RT heat transfer
RT prandtl number

NUTRIENTS

RT culture media
RT diet
RT eutrophication
RT feeding
RT fertilizers
RT food
RT nutrition
RT plant sap
RT xenobiotics

NUTRITION

RT animal breeding
RT animal feeds
RT diet
RT food
RT mass rearing
RT nutrients
RT nutritional deficiency
RT rearing

NUTRITIONAL DEFICIENCY
UF *deficiency (nutritional)*
UF *malnutrition*
RT diet
RT nutrition

NUTS
INIS: Jan 1982; ETDE: Dec 1974
(Prior to February 1982, this concept in ETDE was indexed to SEEDS.)
*BT1 fruits
NT1 chestnuts

nuts (mechanical)
Use fasteners

nx-188
Use alloy-nx-188

NYLON
*BT1 plastics
*BT1 polyamides

nymphs
Use larvae

NYQUIST DIAGRAMS
*BT1 diagrams
RT feedback
RT oscillations
RT reactor stability

O

O CODES
BT1 computer codes

O-GLYCOSYL HYDROLASES
INIS: Dec 1986; ETDE: Jan 1981
(Code number 3.2.1.)
*BT1 glycosyl hydrolases
NT1 amylase
NT1 cellulase
NT1 galactosidase
NT1 glucosidase
NT1 glucuronidase
NT1 hyaluronidase
NT1 lysozyme
NT1 xylanase

O GROUPS
*BT1 dynamical groups
*BT1 lie groups

o-rings
Use gaskets

oak harbor ohio reactor
Use davis besse-1 reactor

OAK RIDGE
INIS: Jul 1992; ETDE: Jun 1977
*BT1 tennessee
BT1 urban areas
RT oak ridge reservation
RT orgdp
RT ornl
RT y-12 plant

oak ridge associated universities
Use orau

oak ridge critical experiments facility
Use or-cef reactor

oak ridge gaseous diffusion plant
Use orgdp

oak ridge institute of nuclear studies
Use orins

oak ridge national laboratory
Use ornl

oak ridge research reactor
Use orr reactor

OAK RIDGE RESERVATION
INIS: Jul 1985; ETDE: Jan 1985
(DOE-owned land within the Oak Ridge area.)
*BT1 us doe
*BT1 us erda
RT oak ridge
RT orgdp
RT ornl
RT tennessee
RT y-12 plant

OAKS
UF *quercus*
*BT1 magnoliopsida
*BT1 trees

OAPEC
INIS: Apr 2000; ETDE: Aug 1976
(Organization of Arab Petroleum Exporting Countries.)
BT1 international organizations
BT1 oil-exporting countries
RT algeria
RT bahrain
RT egyptian arab republic
RT iraq
RT kuwait
RT libyan arab jamahiriya
RT middle east
RT opec
RT petroleum
RT qatar
RT saudi arabia
RT syria
RT united arab emirates

oas
Use international organizations

OATS
UF *avena*
*BT1 cereals

OBE MODEL
UF *one-boson-exchange model*
*BT1 boson-exchange models
NT1 ope model
NT2 electric born model

ob'edinennyj institut yadernykh issledovanij
Use jinr

obesity
Use metabolic diseases

OBRIGHEIM REACTOR
UF *kernkraftwerk obrigheim*
UF *kwo reactor*
*BT1 pwr type reactors

obsidianites
Use tektites

obstetrics
Use gynecology

OCCIDENTAL FLASH PYROLYSIS PROCESS
INIS: Apr 2000; ETDE: Aug 1976
(The ORC process consists of rapidly pyrolyzing particles at a temperature of less than 1400 degrees F in an entrained stream of hot char and a gas substantially free of oxidizing constituents. Char, liquid and gas are products, with a portion of the char being heated and returned to the pyrolysis reactor. Prior to July 1976, this concept in ETDE was indexed by GARRETT PYROLYSIS PROCESS.)
UF *garrett pyrolysis process*
UF *orc flash pyrolysis process*
*BT1 coal gasification
*BT1 coal liquefaction
*BT1 waste processing
RT oil shales
RT pyrolysis
RT waste processing plants

occlusion complexes
Use clathrates

occultation
Use eclipse

OCCUPANTS
INIS: Feb 1992; ETDE: Apr 1978
UF *passengers*
RT automobiles
RT buildings
RT buses
RT human populations
RT motor vehicle operators
RT recreational vehicles
RT taxicabs
RT trains
RT trucks
RT vans
RT vehicles

OCCUPATION NUMBER
RT pauli principle
RT quantum mechanics
RT statistical mechanics

OCCUPATIONAL DISEASES
BT1 diseases
RT industrial medicine
RT occupational exposure
RT occupational safety
RT occupations
RT pneumoconioses
RT us occupational safety and health act
RT work
RT working conditions

OCCUPATIONAL EXPOSURE
INIS: Apr 1985; ETDE: Jun 1984
RT carcinogens
RT icrp critical group
RT ionizing radiations
RT mutagens
RT occupational diseases
RT occupational safety
RT occupations
RT radiation doses

OCCUPATIONAL SAFETY
INIS: Feb 1981; ETDE: Jul 1978
BT1 safety
RT drug abuse
RT health hazards
RT industrial medicine
RT occupational diseases
RT occupational exposure
RT occupations
RT personnel

RT working conditions

occupational safety and health act
Use us occupational safety and health act

occupational safety and health administration
Use us osha

OCCUPATIONS
(Nature of work performed.)
UF *professions*
UF+ *caste (insects)*
RT craftsmen
RT employment
RT icrp critical group
RT manpower
RT occupational diseases
RT occupational exposure
RT occupational safety
RT personnel
RT personnel dosimetry
RT sociology
RT work

ocean currents
Use water currents

ocean spreading center
Use sea-floor spreading

OCEAN THERMAL ENERGY CONVERSION
INIS: Dec 1991; ETDE: Apr 1977
UF *otec*
*BT1 solar energy conversion
RT ocean thermal power plants

OCEAN THERMAL POWER PLANTS
INIS: Dec 1991; ETDE: Apr 1977
UF *solar sea power plants*
*BT1 solar power plants
*BT1 thermal power plants
RT lift cycles
RT ocean thermal energy conversion

OCEANIA
INIS: Jun 1992; ETDE: Dec 1978
(Collective name for lands of the central and south Pacific Ocean, including Melanesia, Micronesia, and Polynesia; and sometimes including Australia, New Zealand, and the Malay Archipelago.)
UF *pacific islands*
NT1 micronesia
NT2 kiribati
NT2 marshall islands
NT3 bikini
NT3 eniwetok
NT2 nauru
NT2 tuvalu
NT1 new caledonia
RT australia
RT islands
RT new zealand

OCEANIC CIRCULATION
INIS: Jan 1992; ETDE: Jan 1986
(Large-scale movement of discrete water masses which can be treated by equations of motion.)
RT box models
RT general circulation models
RT seas
RT upwelling
RT water currents

OCEANIC CRUST
INIS: Dec 1986; ETDE: Sep 1977
BT1 earth crust
RT continental crust
RT earth planet

OCEANOGRAPHY
RT bathymetry
RT buoys
RT earth planet
RT geography
RT limnology
RT seas

oceans
Use seas

OCONEE-1 REACTOR
(Oconee, South Carolina, USA)
*BT1 pwr type reactors

OCONEE-2 REACTOR
(Oconee, South Carolina, USA)
*BT1 pwr type reactors

OCONEE-3 REACTOR
(Oconee, South Carolina, USA)
*BT1 pwr type reactors

OCTADECANOIC ACID
UF *stearic acid*
*BT1 monocarboxylic acids
RT stearates

octadecyl glyceryl ether-alpha
Use alcohols
AND ethers

OCTAL 82 FACILITY
INIS: Sep 1983; ETDE: Sep 1983
(Neodymium glass laser facility at Limeil, France for laser fusion experiments.)
RT neodymium lasers

OCTANE
*BT1 alkanes

octane number
Use antiknock ratings

OCTANOIC ACID
UF *caprylic acid*
*BT1 monocarboxylic acids

OCTANOLS
UF *octyl alcohols*
*BT1 alcohols

OCTENES
INIS: Apr 2000; ETDE: Apr 1975
*BT1 alkenes

OCTET MODEL
UF *eightfold way*
*BT1 particle models
RT baryon octets

OCTUPOLAR CONFIGURATIONS
*BT1 multipolar configurations

octupole radiation
Use multipole radiation

OCTUPOLES
BT1 multipoles

octyl alcohols
Use octanols

OCTYL RADICALS
*BT1 alkyl radicals

ODD-EVEN NUCLEI
(Odd protons, even neutrons.)
BT1 nuclei
NT1 actinium 207
NT1 actinium 209
NT1 actinium 211
NT1 actinium 213
NT1 actinium 215
NT1 actinium 217
NT1 actinium 219
NT1 actinium 221
NT1 actinium 223
NT1 actinium 225
NT1 actinium 227
NT1 actinium 229
NT1 actinium 231
NT1 actinium 233
NT1 aluminium 23
NT1 aluminium 25
NT1 aluminium 27
NT1 aluminium 29
NT1 aluminium 31
NT1 aluminium 33
NT1 aluminium 35
NT1 aluminium 37
NT1 aluminium 39
NT1 americium 233
NT1 americium 235
NT1 americium 237
NT1 americium 239
NT1 americium 241
NT1 americium 243
NT1 americium 245
NT1 americium 247
NT1 antimony 105
NT1 antimony 109
NT1 antimony 111
NT1 antimony 113
NT1 antimony 115
NT1 antimony 117
NT1 antimony 119
NT1 antimony 121
NT1 antimony 123
NT1 antimony 125
NT1 antimony 127
NT1 antimony 129
NT1 antimony 131
NT1 antimony 133
NT1 antimony 135
NT1 arsenic 65
NT1 arsenic 67
NT1 arsenic 69
NT1 arsenic 71
NT1 arsenic 73
NT1 arsenic 75
NT1 arsenic 77
NT1 arsenic 79
NT1 arsenic 81
NT1 arsenic 83
NT1 arsenic 85
NT1 arsenic 87
NT1 astatine 191
NT1 astatine 193
NT1 astatine 195
NT1 astatine 197
NT1 astatine 199
NT1 astatine 201
NT1 astatine 203
NT1 astatine 205
NT1 astatine 207
NT1 astatine 209
NT1 astatine 211
NT1 astatine 213
NT1 astatine 215
NT1 astatine 217
NT1 astatine 219
NT1 astatine 221
NT1 astatine 223
NT1 berkelium 241

NT1 berkelium 243
NT1 berkelium 245
NT1 berkelium 247
NT1 berkelium 249
NT1 berkelium 251
NT1 bismuth 189
NT1 bismuth 191
NT1 bismuth 193
NT1 bismuth 195
NT1 bismuth 197
NT1 bismuth 199
NT1 bismuth 201
NT1 bismuth 203
NT1 bismuth 205
NT1 bismuth 207
NT1 bismuth 209
NT1 bismuth 211
NT1 bismuth 213
NT1 bismuth 215
NT1 boron 11
NT1 boron 13
NT1 boron 15
NT1 boron 17
NT1 boron 19
NT1 boron 7
NT1 boron 9
NT1 bromine 69
NT1 bromine 71
NT1 bromine 73
NT1 bromine 75
NT1 bromine 77
NT1 bromine 79
NT1 bromine 81
NT1 bromine 83
NT1 bromine 85
NT1 bromine 87
NT1 bromine 89
NT1 bromine 91
NT1 bromine 93
NT1 cesium 113
NT1 cesium 115
NT1 cesium 117
NT1 cesium 119
NT1 cesium 121
NT1 cesium 123
NT1 cesium 125
NT1 cesium 127
NT1 cesium 129
NT1 cesium 131
NT1 cesium 133
NT1 cesium 135
NT1 cesium 137
NT1 cesium 139
NT1 cesium 141
NT1 cesium 143
NT1 cesium 145
NT1 cesium 147
NT1 cesium 149
NT1 chlorine 31
NT1 chlorine 33
NT1 chlorine 35
NT1 chlorine 37
NT1 chlorine 39
NT1 chlorine 41
NT1 chlorine 43
NT1 chlorine 45
NT1 chlorine 47
NT1 chlorine 49
NT1 chlorine 51
NT1 cobalt 53
NT1 cobalt 55
NT1 cobalt 57
NT1 cobalt 59
NT1 cobalt 61
NT1 cobalt 63
NT1 cobalt 65
NT1 cobalt 67
NT1 cobalt 69
NT1 copper 57
NT1 copper 59
NT1 copper 61
NT1 copper 63
NT1 copper 65
NT1 copper 67
NT1 copper 69
NT1 copper 71
NT1 copper 73
NT1 copper 75
NT1 copper 77
NT1 copper 79
NT1 einsteinium 243
NT1 einsteinium 245
NT1 einsteinium 247
NT1 einsteinium 249
NT1 einsteinium 251
NT1 einsteinium 253
NT1 einsteinium 255
NT1 element 105 255
NT1 element 105 257
NT1 element 105 259
NT1 element 105 261
NT1 element 105 263
NT1 element 107 261
NT1 europium 131
NT1 europium 135
NT1 europium 137
NT1 europium 139
NT1 europium 141
NT1 europium 143
NT1 europium 145
NT1 europium 147
NT1 europium 149
NT1 europium 151
NT1 europium 153
NT1 europium 155
NT1 europium 157
NT1 europium 159
NT1 europium 161
NT1 fluorine 15
NT1 fluorine 17
NT1 fluorine 19
NT1 fluorine 21
NT1 fluorine 23
NT1 fluorine 25
NT1 fluorine 27
NT1 fluorine 29
NT1 francium 199
NT1 francium 201
NT1 francium 203
NT1 francium 205
NT1 francium 207
NT1 francium 209
NT1 francium 211
NT1 francium 213
NT1 francium 215
NT1 francium 217
NT1 francium 219
NT1 francium 221
NT1 francium 223
NT1 francium 225
NT1 francium 227
NT1 francium 229
NT1 francium 231
NT1 gallium 61
NT1 gallium 63
NT1 gallium 65
NT1 gallium 67
NT1 gallium 69
NT1 gallium 71
NT1 gallium 73
NT1 gallium 75
NT1 gallium 77
NT1 gallium 79
NT1 gallium 81
NT1 gallium 83
NT1 gold 171
NT1 gold 173
NT1 gold 175
NT1 gold 177
NT1 gold 179
NT1 gold 181
NT1 gold 183
NT1 gold 185
NT1 gold 187
NT1 gold 189
NT1 gold 191
NT1 gold 193
NT1 gold 195
NT1 gold 197
NT1 gold 199
NT1 gold 201
NT1 gold 203
NT1 gold 205
NT1 holmium 141
NT1 holmium 145
NT1 holmium 147
NT1 holmium 149
NT1 holmium 151
NT1 holmium 153
NT1 holmium 155
NT1 holmium 157
NT1 holmium 159
NT1 holmium 161
NT1 holmium 163
NT1 holmium 165
NT1 holmium 167
NT1 holmium 169
NT1 holmium 171
NT1 hydrogen 1
NT1 hydrogen 5
NT1 hydrogen 7
NT1 indium 101
NT1 indium 103
NT1 indium 105
NT1 indium 107
NT1 indium 109
NT1 indium 111
NT1 indium 113
NT1 indium 115
NT1 indium 117
NT1 indium 119
NT1 indium 121
NT1 indium 123
NT1 indium 125
NT1 indium 127
NT1 indium 129
NT1 indium 131
NT1 indium 133
NT1 indium 135
NT1 iodine 109
NT1 iodine 111
NT1 iodine 113
NT1 iodine 115
NT1 iodine 117
NT1 iodine 119
NT1 iodine 121
NT1 iodine 123
NT1 iodine 125
NT1 iodine 127
NT1 iodine 129
NT1 iodine 131
NT1 iodine 133
NT1 iodine 135
NT1 iodine 137
NT1 iodine 139
NT1 iodine 141
NT1 iridium 167
NT1 iridium 169
NT1 iridium 171
NT1 iridium 173
NT1 iridium 175
NT1 iridium 177
NT1 iridium 179
NT1 iridium 181
NT1 iridium 183
NT1 iridium 185
NT1 iridium 187

NT1 iridium 189
NT1 iridium 191
NT1 iridium 193
NT1 iridium 195
NT1 iridium 197
NT1 lanthanum 121
NT1 lanthanum 123
NT1 lanthanum 125
NT1 lanthanum 127
NT1 lanthanum 129
NT1 lanthanum 131
NT1 lanthanum 133
NT1 lanthanum 135
NT1 lanthanum 137
NT1 lanthanum 139
NT1 lanthanum 141
NT1 lanthanum 143
NT1 lanthanum 145
NT1 lanthanum 147
NT1 lanthanum 149
NT1 lawrencium 253
NT1 lawrencium 255
NT1 lawrencium 257
NT1 lawrencium 259
NT1 lawrencium 261
NT1 lawrencium 263
NT1 lithium 11
NT1 lithium 13
NT1 lithium 3
NT1 lithium 5
NT1 lithium 7
NT1 lithium 9
NT1 lutetium 151
NT1 lutetium 153
NT1 lutetium 155
NT1 lutetium 157
NT1 lutetium 159
NT1 lutetium 161
NT1 lutetium 163
NT1 lutetium 165
NT1 lutetium 167
NT1 lutetium 169
NT1 lutetium 171
NT1 lutetium 173
NT1 lutetium 175
NT1 lutetium 177
NT1 lutetium 179
NT1 lutetium 181
NT1 lutetium 183
NT1 lutetium 187
NT1 manganese 47
NT1 manganese 49
NT1 manganese 51
NT1 manganese 53
NT1 manganese 55
NT1 manganese 57
NT1 manganese 59
NT1 manganese 61
NT1 manganese 63
NT1 manganese 65
NT1 mendelevium 247
NT1 mendelevium 249
NT1 mendelevium 251
NT1 mendelevium 253
NT1 mendelevium 255
NT1 mendelevium 257
NT1 mendelevium 259
NT1 mendelevium 261
NT1 neptunium 225
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NT1 neptunium 243
NT1 niobium 101
NT1 niobium 103
NT1 niobium 105
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NT1 niobium 85
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NT1 niobium 99
NT1 nitrogen 11
NT1 nitrogen 13
NT1 nitrogen 15
NT1 nitrogen 17
NT1 nitrogen 19
NT1 nitrogen 21
NT1 nitrogen 23
NT1 phosphorus 21
NT1 phosphorus 25
NT1 phosphorus 27
NT1 phosphorus 29
NT1 phosphorus 31
NT1 phosphorus 33
NT1 phosphorus 35
NT1 phosphorus 37
NT1 phosphorus 39
NT1 phosphorus 41
NT1 phosphorus 43
NT1 phosphorus 45
NT1 potassium 35
NT1 potassium 37
NT1 potassium 39
NT1 potassium 41
NT1 potassium 43
NT1 potassium 45
NT1 potassium 47
NT1 potassium 49
NT1 potassium 51
NT1 potassium 53
NT1 praseodymium 121
NT1 praseodymium 127
NT1 praseodymium 129
NT1 praseodymium 131
NT1 praseodymium 133
NT1 praseodymium 135
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NT1 praseodymium 139
NT1 praseodymium 141
NT1 praseodymium 143
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NT1 praseodymium 149
NT1 praseodymium 151
NT1 praseodymium 153
NT1 promethium 131
NT1 promethium 133
NT1 promethium 135
NT1 promethium 137
NT1 promethium 139
NT1 promethium 141
NT1 promethium 143
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NT1 promethium 157
NT1 protactinium 213
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NT1 protactinium 219
NT1 protactinium 221
NT1 protactinium 223
NT1 protactinium 225
NT1 protactinium 227
NT1 protactinium 229
NT1 protactinium 231
NT1 protactinium 233
NT1 protactinium 235
NT1 protactinium 237
NT1 protactinium 239
NT1 rhenium 161
NT1 rhenium 163
NT1 rhenium 165
NT1 rhenium 167
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NT1 rhenium 191
NT1 rhodium 101
NT1 rhodium 103
NT1 rhodium 105
NT1 rhodium 107
NT1 rhodium 109
NT1 rhodium 111
NT1 rhodium 113
NT1 rhodium 115
NT1 rhodium 117
NT1 rhodium 95
NT1 rhodium 97
NT1 rhodium 99
NT1 rubidium 101
NT1 rubidium 103
NT1 rubidium 73
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NT1 rubidium 79
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NT1 rubidium 85
NT1 rubidium 87
NT1 rubidium 89
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NT1 rubidium 93
NT1 rubidium 95
NT1 rubidium 97
NT1 rubidium 99
NT1 scandium 39
NT1 scandium 41
NT1 scandium 43
NT1 scandium 45
NT1 scandium 47
NT1 scandium 49
NT1 scandium 51
NT1 scandium 53
NT1 scandium 55
NT1 silver 101
NT1 silver 103
NT1 silver 105
NT1 silver 107
NT1 silver 109
NT1 silver 111
NT1 silver 113
NT1 silver 115
NT1 silver 117
NT1 silver 119
NT1 silver 121
NT1 silver 123
NT1 silver 95
NT1 silver 97
NT1 silver 99
NT1 sodium 19
NT1 sodium 21
NT1 sodium 23
NT1 sodium 25
NT1 sodium 27
NT1 sodium 29
NT1 sodium 31

NT1 sodium 33
NT1 sodium 35
NT1 tantalum 157
NT1 tantalum 159
NT1 tantalum 161
NT1 tantalum 163
NT1 tantalum 165
NT1 tantalum 167
NT1 tantalum 169
NT1 tantalum 171
NT1 tantalum 173
NT1 tantalum 175
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NT1 tantalum 179
NT1 tantalum 181
NT1 tantalum 183
NT1 tantalum 185
NT1 technetium 101
NT1 technetium 103
NT1 technetium 105
NT1 technetium 107
NT1 technetium 109
NT1 technetium 113
NT1 technetium 89
NT1 technetium 91
NT1 technetium 93
NT1 technetium 95
NT1 technetium 97
NT1 technetium 99
NT1 terbium 139
NT1 terbium 141
NT1 terbium 143
NT1 terbium 145
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NT1 terbium 151
NT1 terbium 153
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NT1 terbium 161
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NT1 terbium 165
NT1 thallium 179
NT1 thallium 183
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NT1 thallium 197
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NT1 thulium 145
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NT1 thulium 161
NT1 thulium 163
NT1 thulium 165
NT1 thulium 167
NT1 thulium 169
NT1 thulium 171
NT1 thulium 173
NT1 thulium 175
NT1 thulium 177
NT1 tritium
NT1 vanadium 43
NT1 vanadium 45
NT1 vanadium 47
NT1 vanadium 49
NT1 vanadium 51
NT1 vanadium 53
NT1 vanadium 55
NT1 vanadium 57
NT1 vanadium 59
NT1 yttrium 101
NT1 yttrium 103
NT1 yttrium 77
NT1 yttrium 79
NT1 yttrium 81
NT1 yttrium 83
NT1 yttrium 85
NT1 yttrium 87
NT1 yttrium 89
NT1 yttrium 91
NT1 yttrium 93
NT1 yttrium 95
NT1 yttrium 97
NT1 yttrium 99
RT nuclear structure

ODD-ODD NUCLEI

(Odd protons, odd neutrons.)
BT1 nuclei
NT1 actinium 208
NT1 actinium 210
NT1 actinium 212
NT1 actinium 214
NT1 actinium 216
NT1 actinium 218
NT1 actinium 220
NT1 actinium 222
NT1 actinium 224
NT1 actinium 226
NT1 actinium 228
NT1 actinium 230
NT1 actinium 232
NT1 actinium 234
NT1 aluminium 22
NT1 aluminium 24
NT1 aluminium 26
NT1 aluminium 28
NT1 aluminium 30
NT1 aluminium 32
NT1 aluminium 34
NT1 aluminium 36
NT1 aluminium 38
NT1 americium 232
NT1 americium 234
NT1 americium 236
NT1 americium 238
NT1 americium 240
NT1 americium 242
NT1 americium 244
NT1 americium 246
NT1 antimony 104
NT1 antimony 106
NT1 antimony 108
NT1 antimony 110
NT1 antimony 112
NT1 antimony 114
NT1 antimony 116
NT1 antimony 118
NT1 antimony 120
NT1 antimony 122
NT1 antimony 124
NT1 antimony 126
NT1 antimony 128
NT1 antimony 130
NT1 antimony 132
NT1 antimony 134
NT1 antimony 136
NT1 arsenic 64
NT1 arsenic 66
NT1 arsenic 68
NT1 arsenic 70
NT1 arsenic 72
NT1 arsenic 74
NT1 arsenic 76
NT1 arsenic 78
NT1 arsenic 80
NT1 arsenic 82
NT1 arsenic 84
NT1 arsenic 86
NT1 astatine 194
NT1 astatine 196
NT1 astatine 198
NT1 astatine 200
NT1 astatine 202
NT1 astatine 204
NT1 astatine 206
NT1 astatine 208
NT1 astatine 210
NT1 astatine 212
NT1 astatine 214
NT1 astatine 216
NT1 astatine 218
NT1 astatine 220
NT1 astatine 222
NT1 berkelium 240
NT1 berkelium 242
NT1 berkelium 244
NT1 berkelium 246
NT1 berkelium 248
NT1 berkelium 250
NT1 bismuth 186
NT1 bismuth 188
NT1 bismuth 190
NT1 bismuth 192
NT1 bismuth 194
NT1 bismuth 196
NT1 bismuth 198
NT1 bismuth 200
NT1 bismuth 202
NT1 bismuth 204
NT1 bismuth 206
NT1 bismuth 208
NT1 bismuth 210
NT1 bismuth 212
NT1 bismuth 214
NT1 bismuth 216
NT1 boron 10
NT1 boron 12
NT1 boron 14
NT1 boron 16
NT1 boron 18
NT1 boron 8
NT1 bromine 70
NT1 bromine 72
NT1 bromine 74
NT1 bromine 76
NT1 bromine 78
NT1 bromine 80
NT1 bromine 82
NT1 bromine 84
NT1 bromine 86
NT1 bromine 88
NT1 bromine 90
NT1 bromine 92
NT1 cesium 114
NT1 cesium 116
NT1 cesium 118
NT1 cesium 120
NT1 cesium 122
NT1 cesium 124
NT1 cesium 126
NT1 cesium 128
NT1 cesium 130
NT1 cesium 132
NT1 cesium 134
NT1 cesium 136
NT1 cesium 138
NT1 cesium 140
NT1 cesium 142
NT1 cesium 144
NT1 cesium 146
NT1 cesium 148

NT1 cesium 150
NT1 chlorine 32
NT1 chlorine 34
NT1 chlorine 36
NT1 chlorine 38
NT1 chlorine 40
NT1 chlorine 42
NT1 chlorine 44
NT1 chlorine 46
NT1 chlorine 48
NT1 cobalt 50
NT1 cobalt 52
NT1 cobalt 54
NT1 cobalt 56
NT1 cobalt 58
NT1 cobalt 60
NT1 cobalt 62
NT1 cobalt 64
NT1 cobalt 66
NT1 cobalt 68
NT1 cobalt 70
NT1 copper 56
NT1 copper 58
NT1 copper 60
NT1 copper 62
NT1 copper 64
NT1 copper 66
NT1 copper 68
NT1 copper 70
NT1 copper 72
NT1 copper 74
NT1 copper 76
NT1 copper 78
NT1 deuterium
NT1 einsteinium 244
NT1 einsteinium 246
NT1 einsteinium 248
NT1 einsteinium 250
NT1 einsteinium 252
NT1 einsteinium 254
NT1 einsteinium 256
NT1 element 105 256
NT1 element 105 258
NT1 element 105 260
NT1 element 105 262
NT1 element 107 262
NT1 element 107 264
NT1 element 109 266
NT1 element 109 268
NT1 element 111 272
NT1 europium 130
NT1 europium 134
NT1 europium 136
NT1 europium 138
NT1 europium 140
NT1 europium 142
NT1 europium 144
NT1 europium 146
NT1 europium 148
NT1 europium 150
NT1 europium 152
NT1 europium 154
NT1 europium 156
NT1 europium 158
NT1 europium 160
NT1 europium 162
NT1 fluorine 14
NT1 fluorine 16
NT1 fluorine 18
NT1 fluorine 20
NT1 fluorine 22
NT1 fluorine 24
NT1 fluorine 26
NT1 francium 200
NT1 francium 202
NT1 francium 204
NT1 francium 206
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NT1 francium 218
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NT1 francium 228
NT1 francium 230
NT1 francium 232
NT1 gallium 60
NT1 gallium 62
NT1 gallium 64
NT1 gallium 66
NT1 gallium 68
NT1 gallium 70
NT1 gallium 72
NT1 gallium 74
NT1 gallium 76
NT1 gallium 78
NT1 gallium 80
NT1 gallium 82
NT1 gallium 84
NT1 gold 170
NT1 gold 172
NT1 gold 174
NT1 gold 176
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NT1 gold 180
NT1 gold 182
NT1 gold 184
NT1 gold 186
NT1 gold 188
NT1 gold 190
NT1 gold 192
NT1 gold 194
NT1 gold 196
NT1 gold 198
NT1 gold 200
NT1 gold 202
NT1 gold 204
NT1 holmium 144
NT1 holmium 146
NT1 holmium 148
NT1 holmium 150
NT1 holmium 152
NT1 holmium 154
NT1 holmium 156
NT1 holmium 158
NT1 holmium 160
NT1 holmium 162
NT1 holmium 164
NT1 holmium 166
NT1 holmium 168
NT1 holmium 170
NT1 holmium 172
NT1 hydrogen 4
NT1 hydrogen 6
NT1 indium 100
NT1 indium 102
NT1 indium 104
NT1 indium 106
NT1 indium 108
NT1 indium 110
NT1 indium 112
NT1 indium 114
NT1 indium 116
NT1 indium 118
NT1 indium 120
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NT1 iodine 108
NT1 iodine 110
NT1 iodine 112
NT1 iodine 114
NT1 iodine 116
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NT1 iodine 124
NT1 iodine 126
NT1 iodine 128
NT1 iodine 130
NT1 iodine 132
NT1 iodine 134
NT1 iodine 136
NT1 iodine 138
NT1 iodine 140
NT1 iodine 142
NT1 iridium 166
NT1 iridium 168
NT1 iridium 170
NT1 iridium 172
NT1 iridium 174
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NT1 iridium 180
NT1 iridium 182
NT1 iridium 184
NT1 iridium 186
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NT1 iridium 194
NT1 iridium 196
NT1 iridium 198
NT1 lanthanum 120
NT1 lanthanum 122
NT1 lanthanum 124
NT1 lanthanum 126
NT1 lanthanum 128
NT1 lanthanum 130
NT1 lanthanum 132
NT1 lanthanum 134
NT1 lanthanum 136
NT1 lanthanum 138
NT1 lanthanum 140
NT1 lanthanum 142
NT1 lanthanum 144
NT1 lanthanum 146
NT1 lanthanum 148
NT1 lanthanum 150
NT1 lawrencium 252
NT1 lawrencium 254
NT1 lawrencium 256
NT1 lawrencium 258
NT1 lawrencium 260
NT1 lawrencium 262
NT1 lithium 10
NT1 lithium 12
NT1 lithium 4
NT1 lithium 6
NT1 lithium 8
NT1 lutetium 152
NT1 lutetium 154
NT1 lutetium 156
NT1 lutetium 158
NT1 lutetium 160
NT1 lutetium 162
NT1 lutetium 164
NT1 lutetium 166
NT1 lutetium 168
NT1 lutetium 170
NT1 lutetium 172
NT1 lutetium 174
NT1 lutetium 176
NT1 lutetium 178
NT1 lutetium 180
NT1 lutetium 182
NT1 lutetium 184
NT1 manganese 44
NT1 manganese 46

NT1 manganese 48
NT1 manganese 50
NT1 manganese 52
NT1 manganese 54
NT1 manganese 56
NT1 manganese 58
NT1 manganese 60
NT1 manganese 62
NT1 manganese 64
NT1 mendelevium 248
NT1 mendelevium 250
NT1 mendelevium 252
NT1 mendelevium 254
NT1 mendelevium 256
NT1 mendelevium 258
NT1 mendelevium 260
NT1 neptunium 226
NT1 neptunium 228
NT1 neptunium 230
NT1 neptunium 232
NT1 neptunium 234
NT1 neptunium 236
NT1 neptunium 238
NT1 neptunium 240
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NT1 neptunium 244
NT1 niobium 100
NT1 niobium 102
NT1 niobium 104
NT1 niobium 106
NT1 niobium 108
NT1 niobium 84
NT1 niobium 86
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NT1 niobium 94
NT1 niobium 96
NT1 niobium 98
NT1 nitrogen 12
NT1 nitrogen 14
NT1 nitrogen 16
NT1 nitrogen 18
NT1 nitrogen 20
NT1 nitrogen 22
NT1 phosphorus 24
NT1 phosphorus 26
NT1 phosphorus 28
NT1 phosphorus 30
NT1 phosphorus 32
NT1 phosphorus 34
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NT1 phosphorus 38
NT1 phosphorus 40
NT1 phosphorus 42
NT1 phosphorus 44
NT1 phosphorus 46
NT1 potassium 36
NT1 potassium 38
NT1 potassium 40
NT1 potassium 42
NT1 potassium 44
NT1 potassium 46
NT1 potassium 48
NT1 potassium 50
NT1 potassium 52
NT1 potassium 54
NT1 praseodymium 124
NT1 praseodymium 126
NT1 praseodymium 128
NT1 praseodymium 130
NT1 praseodymium 132
NT1 praseodymium 134
NT1 praseodymium 136
NT1 praseodymium 138
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NT1 praseodymium 142
NT1 praseodymium 144
NT1 praseodymium 146
NT1 praseodymium 148
NT1 praseodymium 150
NT1 praseodymium 152
NT1 praseodymium 154
NT1 promethium 130
NT1 promethium 132
NT1 promethium 134
NT1 promethium 136
NT1 promethium 138
NT1 promethium 140
NT1 promethium 142
NT1 promethium 144
NT1 promethium 146
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NT1 promethium 152
NT1 promethium 154
NT1 promethium 156
NT1 promethium 158
NT1 protactinium 212
NT1 protactinium 214
NT1 protactinium 216
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NT1 protactinium 224
NT1 protactinium 226
NT1 protactinium 228
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NT1 protactinium 238
NT1 rhenium 162
NT1 rhenium 164
NT1 rhenium 166
NT1 rhenium 168
NT1 rhenium 170
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NT1 rhenium 174
NT1 rhenium 176
NT1 rhenium 178
NT1 rhenium 180
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NT1 rhenium 190
NT1 rhenium 192
NT1 rhodium 100
NT1 rhodium 102
NT1 rhodium 104
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NT1 rhodium 108
NT1 rhodium 110
NT1 rhodium 112
NT1 rhodium 114
NT1 rhodium 116
NT1 rhodium 118
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NT1 rhodium 94
NT1 rhodium 96
NT1 rhodium 98
NT1 rubidium 100
NT1 rubidium 102
NT1 rubidium 74
NT1 rubidium 76
NT1 rubidium 78
NT1 rubidium 80
NT1 rubidium 82
NT1 rubidium 84
NT1 rubidium 86
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NT1 scandium 40
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NT1 scandium 48
NT1 scandium 50
NT1 scandium 52
NT1 scandium 54
NT1 silver 100
NT1 silver 102
NT1 silver 104
NT1 silver 106
NT1 silver 108
NT1 silver 110
NT1 silver 112
NT1 silver 114
NT1 silver 116
NT1 silver 118
NT1 silver 120
NT1 silver 122
NT1 silver 94
NT1 silver 96
NT1 silver 98
NT1 sodium 20
NT1 sodium 22
NT1 sodium 24
NT1 sodium 26
NT1 sodium 28
NT1 sodium 30
NT1 sodium 32
NT1 sodium 34
NT1 tantalum 156
NT1 tantalum 158
NT1 tantalum 160
NT1 tantalum 162
NT1 tantalum 164
NT1 tantalum 166
NT1 tantalum 168
NT1 tantalum 170
NT1 tantalum 172
NT1 tantalum 174
NT1 tantalum 176
NT1 tantalum 178
NT1 tantalum 180
NT1 tantalum 182
NT1 tantalum 184
NT1 tantalum 186
NT1 technetium 100
NT1 technetium 102
NT1 technetium 104
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NT1 technetium 112
NT1 technetium 88
NT1 technetium 90
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NT1 technetium 94
NT1 technetium 96
NT1 technetium 98
NT1 terbium 140
NT1 terbium 144
NT1 terbium 146
NT1 terbium 148
NT1 terbium 150
NT1 terbium 152
NT1 terbium 154
NT1 terbium 156
NT1 terbium 158
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NT1 terbium 164
NT1 terbium 166
NT1 thallium 182
NT1 thallium 184
NT1 thallium 186
NT1 thallium 188
NT1 thallium 190
NT1 thallium 192
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NT1 thallium 196
NT1 thallium 198
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NT1 thallium 202
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NT1 thallium 208
NT1 thallium 210
NT1 thulium 146
NT1 thulium 148
NT1 thulium 150
NT1 thulium 152
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NT1 thulium 174
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NT1 vanadium 42
NT1 vanadium 44
NT1 vanadium 46
NT1 vanadium 48
NT1 vanadium 50
NT1 vanadium 52
NT1 vanadium 54
NT1 vanadium 56
NT1 vanadium 58
NT1 vanadium 60
NT1 yttrium 100
NT1 yttrium 102
NT1 yttrium 80
NT1 yttrium 82
NT1 yttrium 84
NT1 yttrium 86
NT1 yttrium 88
NT1 yttrium 90
NT1 yttrium 92
NT1 yttrium 94
NT1 yttrium 96
NT1 yttrium 98
RT nuclear structure

odocoileus
Use deer

ODOR
BT1 organoleptic properties
RT chemical attractants
RT chemoreceptors
RT odorization

ODORANT DISPENSERS
INIS: Apr 2000; ETDE: Jun 1981
BT1 equipment
RT odorization

ODORANTS
INIS: Apr 2000; ETDE: Jun 1981
(Chemicals such as mercaptans and alkyl sulfides added to gases to aid in leak detection.)
RT odorization

ODORIZATION
INIS: Apr 2000; ETDE: Mar 1977
UF *gas odorization*
BT1 processing
RT odor
RT odorant dispensers
RT odorants
RT odorometers

ODOROMETERS
INIS: Apr 2000; ETDE: Jun 1981
(Instruments that measure the concentrations of odorants in gases.)
BT1 measuring instruments
RT odorization

OECD
UF *organization economic co-operation and development*
BT1 international organizations
NT1 nea
RT australia
RT austria
RT belgium
RT canada
RT czech republic
RT denmark
RT federal republic of germany
RT finland
RT france
RT greece
RT hungary
RT iceland
RT international energy agency
RT ireland
RT italy
RT japan
RT luxembourg
RT mexico
RT netherlands
RT new zealand
RT norway
RT poland
RT portugal
RT republic of korea
RT spain
RT sweden
RT switzerland
RT turkey
RT united kingdom
RT usa

OECD MCMSDRW
INIS: Aug 1978; ETDE: Oct 1978
(Multilateral Consultation and surveillance Mechanism for Sea Dumping of Radioactive Waste, set up by the OECD Council on 22 July 1977.)
UF *consultation mechanism on sea dumping*
UF *multilateral consultation mechanism, oecd*
*BT1 international regulations
RT contamination
RT lcpmpdpw
RT marine disposal

oefzs
Use seibersdorf research centre

oer
Use oxygen enhancement ratio

OFF-GAS SYSTEMS
RT air cleaning systems
RT gaseous wastes
RT pollution control equipment
RT scrubbing

OFF-HIGHWAY USE
INIS: Apr 2000; ETDE: Jun 1982
RT fuel consumption
RT taxes

OFF-PEAK ENERGY STORAGE
INIS: May 1976; ETDE: Jan 1975
*BT1 energy storage
RT electric batteries
RT fuel cells
RT load management
RT peaking power plants
RT pumped storage
RT redox fuel cells

OFF-PEAK POWER
INIS: Jan 1993; ETDE: Jun 1977
*BT1 electric power
RT nuclear power
RT peak-load pricing
RT power demand
RT power plants
RT public utilities
RT time-of-use pricing

OFFICE BUILDINGS
INIS: Mar 1993; ETDE: Jan 1975
BT1 buildings
RT commercial buildings
RT government buildings
RT office furniture
RT public buildings

OFFICE FURNITURE
INIS: Apr 2000; ETDE: Mar 1983
RT equipment
RT office buildings

office of technology assessment
Use us ota

OFFSHORE DRILLING
INIS: Apr 1984; ETDE: Feb 1975
BT1 drilling
BT1 offshore operations
RT marine risers
RT mwd systems
RT offshore platforms
RT offshore sites

OFFSHORE NUCLEAR POWER PLANTS
UF *floating nuclear power plants*
UF *platform mounted nuclear plant*
*BT1 nuclear power plants
RT atlantic-1 reactor
RT atlantic-2 reactor
RT estuaries
RT offshore sites
RT reactor sites
RT seas
RT shores
RT site selection

OFFSHORE OPERATIONS
INIS: May 1992; ETDE: Mar 1976
NT1 offshore drilling
RT buoys
RT diving operations
RT offshore platforms
RT skimmers
RT underwater facilities
RT underwater operations

OFFSHORE PLATFORMS
INIS: Apr 1992; ETDE: Aug 1975
(Includes gravity or fixed, floating, and towed platforms.)
UF *drilling platforms*
UF+ *drill ships*
RT marine risers
RT offshore drilling
RT offshore operations
RT offshore sites
RT positioning

OFFSHORE SITES
RT coastal waters
RT estuaries
RT offshore drilling

RT offshore nuclear power plants
RT offshore platforms
RT onshore sites
RT reactor sites
RT seas
RT shores
RT site selection

offshore surveys
Use marine surveys

offsprings
Use progeny

OGO SATELLITES
UF *orbiting geophysical observatory*
BT1 satellites
RT space flight

OGRA
*BT1 magnetic mirrors

ohi-3 reactor
Use oi-3 reactor

ohi-4 reactor
Use oi-4 reactor

OHIO
UF+ *scioto river*
*BT1 usa
NT1 cleveland
RT battelle columbus laboratory
RT chattanooga formation
RT feed materials production center
RT mound laboratory
RT ohio river
RT portsmouth centrifuge enrichment plant
RT portsmouth gaseous diffusion plant

OHIO RIVER
*BT1 rivers
RT illinois
RT indiana
RT kentucky
RT ohio
RT ohio valley region
RT pennsylvania
RT west virginia

ohio state university reactor
Use osur reactor

OHIO VALLEY REGION
INIS: Apr 2000; ETDE: Feb 1978
RT ohio river

OHM LAW
RT electric conductivity

ohmic plasma heating
Use joule heating

ohmic plasma losses
Use energy losses

ohmic resistance
Use electric conductivity

OI-1 REACTOR
UF *kepco oshima oi-1 reactor*
UF *oshima oi-1 reactor*
*BT1 pwr type reactors

OI-2 REACTOR
UF *kepco oshima oi-2 reactor*
UF *oshima oi-2 reactor*
*BT1 pwr type reactors

OI-3 REACTOR
INIS: Feb 1990; ETDE: Mar 1990
(Oi, Fukui, Japan.)
UF *ohi-3 reactor*
*BT1 pwr type reactors

OI-4 REACTOR
INIS: Feb 1990; ETDE: Mar 1990
(Oi, Fukui, Japan.)
UF *ohi-4 reactor*
*BT1 pwr type reactors

OIL BURNERS
INIS: Jan 1992; ETDE: May 1979
BT1 burners
RT combustion
RT oil furnaces

OIL-EXPORTING COUNTRIES
INIS: Apr 1992; ETDE: Aug 1979
(For very broad, general use only. If specific countries are discussed, use the specific country descriptors.)
NT1 oapec
NT1 opec
RT developed countries
RT developing countries

OIL FIELDS
INIS: Mar 1992; ETDE: Mar 1976
(Surface boundary of an area from which petroleum is obtained; may correspond to an oil pool or may be circumscribedby political or legal limits.)
*BT1 petroleum deposits
RT associated gas
RT field production equipment
RT gas condensate fields
RT oil wells
RT reservoir fluids
RT reservoir rock
RT well injection equipment
RT well recovery equipment
RT well spacing

OIL-FILLED CABLES
INIS: Feb 1993; ETDE: Mar 1976
*BT1 electric cables
RT power transmission
RT power transmission lines

OIL FURNACES
INIS: May 1992; ETDE: Jun 1977
BT1 furnaces
RT oil burners
RT space heating

OIL-IMPORTING COUNTRIES
INIS: Apr 2000; ETDE: Apr 1977
(Countries, industrial or developing, that import some of their oil supplies. For broad, general use only; if specific countries are discussed, use the specific country descriptor.)
RT developing countries
RT imports
RT trade

OIL PALMS
INIS: Sep 1975; ETDE: Oct 1975
*BT1 liliopsida
*BT1 trees
RT palm oil

OIL POLLUTION CONTAINMENT
INIS: Apr 1992; ETDE: Jan 1978
*BT1 pollution control
RT oil retention booms
RT oil spills
RT water pollution control

oil residues
Use petroleum residues

OIL RETENTION BOOMS
INIS: Jul 1992; ETDE: Jan 1978
*BT1 pollution control equipment
RT oil pollution containment

OIL SAND DEPOSITS
INIS: Mar 1992; ETDE: Jun 1975
BT1 geologic deposits
NT1 asphalt ridge deposit
NT1 athabasca deposit
NT1 circle cliffs deposit
NT1 cold lake deposit
NT1 edna deposit
NT1 lloydminster deposit
NT1 peace river deposit
NT1 pr springs deposit
NT1 santa rosa deposit
NT1 sunnyside deposit
NT1 tar sand triangle deposit
NT1 uvalde deposit
NT1 wabasca deposit
RT oil sands
RT reserves

OIL SAND INDUSTRY
INIS: Sep 1994; ETDE: May 1975
BT1 industry
RT mineral industry
RT oil sands

OIL SAND MINING
INIS: Sep 1992; ETDE: Oct 1980
BT1 mining
RT oil sands
RT surface mining

oil sand oils
Use bitumens
AND oil sands

OIL SAND PROCESSING PLANTS
INIS: Dec 1993; ETDE: Jun 1975
BT1 industrial plants
RT oil sands

OIL SAND TAILINGS
INIS: May 1992; ETDE: Jun 1975
UF *tar sand tailings*
*BT1 tailings

OIL SANDS
INIS: Sep 1975; ETDE: Feb 1975
UF *tar sands*
UF+ *oil sand oils*
*BT1 bituminous materials
*BT1 fossil fuels
BT1 sand
RT asphalt ridge deposit
RT athabasca deposit
RT bitumens
RT circle cliffs deposit
RT cold lake deposit
RT cold-water processes
RT edna deposit
RT fluid injection processes
RT h-oil process
RT hot-water processes
RT oil sand deposits
RT oil sand industry
RT oil sand mining
RT oil sand processing plants
RT oil shales
RT peace river deposit
RT pr springs deposit
RT rope process
RT santa rosa deposit
RT steam soak processes

RT sunnyside deposit
RT tar sand triangle deposit
RT uvalde deposit
RT wabasca deposit

OIL SATURATION

INIS: Jul 1992; ETDE: Jul 1976
(Degree of filling of reservoir pore structure by reservoir oil.)
BT1 saturation
RT gas saturation
RT reservoir rock
RT water saturation

OIL SHALE DEPOSITS

INIS: Mar 1992; ETDE: Jun 1975
BT1 geologic deposits
*BT1 mineral resources
NT1 us naval oil shale reserves
RT chattanooga formation
RT geophysical surveys
RT green river formation
RT oil shales
RT piceance creek basin
RT reserves
RT rock springs sites
RT sand wash basin
RT uinta basin
RT uinta formation
RT washakie basin

OIL SHALE FINES

INIS: Apr 2000; ETDE: Nov 1976
RT oil shales

OIL SHALE INDUSTRY

INIS: Jul 1992; ETDE: Feb 1975
BT1 industry
RT mineral industry
RT oil shales
RT shale oil

OIL SHALE MINING

INIS: Apr 1992; ETDE: Nov 1976
UF *shale mining*
BT1 mining
RT mining engineering
RT surface mining
RT underground mining

OIL SHALE PROCESSING PLANTS

INIS: Jun 1992; ETDE: Apr 1975
BT1 industrial plants
NT1 anvil points research facility
NT1 glen davis facility
RT gas generators
RT oil shales

oil shale waste water

Use oil shales
AND waste water

OIL SHALES

UF+ *holzheimer process*
UF+ *ljungstrom process*
UF+ *oil shale waste water*
SF *fushun process*
SF *galoter process*
*BT1 bituminous materials
*BT1 fossil fuels
*BT1 shales
NT1 black shales
RT anvil points research facility
RT bitumens
RT explosive stimulation
RT fischer assay
RT fluidized bed refuse gasification
RT gas combustion process
RT gas-flow processes
RT gasbuggy event
RT green river formation
RT h-oil process
RT hot-water processes
RT hydroretorting assay
RT hydrotorting process
RT ichthammol
RT in-situ processing
RT in-situ retorting
RT integrated in-situ process
RT kerogen
RT kiviter process
RT lofreco process
RT lurgi-ruhrgas process
RT mahogany zone
RT ntu process
RT occidental flash pyrolysis process
RT oil sands
RT oil shale deposits
RT oil shale fines
RT oil shale industry
RT oil shale processing plants
RT oxy modified in-situ process
RT paraho process
RT petrosix process
RT retorting
RT rio blanco oil shale project
RT rise
RT rope process
RT shale gas
RT shale oil
RT shale oil fractions
RT shell pellet heat exchanger retorting
RT spent shales
RT superior process
RT t3 process
RT tosco process
RT uinta formation
RT union oil process
RT wasatch formation
RT white river shale project

oil skimmers

Use skimmers

oil spill fingerprinting

Use oil spills
AND pattern recognition

OIL SPILLS

INIS: Aug 1991; ETDE: Jan 1975
UF+ *fingerprinting (oil spills)*
UF+ *oil spill fingerprinting*
BT1 accidents
RT chemical spills
RT hazardous materials spills
RT oil pollution containment
RT petroleum
RT rotating disk removal systems
RT skimmers
RT sorbent recovery systems
RT weir oil recovery systems

oil-water separators

See separation equipment

OIL WELLS

INIS: Aug 1991; ETDE: Sep 1975
BT1 wells
RT abandoned wells
RT artificial lifts
RT blowout preventers
RT blowouts
RT carbon dioxide injection
RT drill stem testing
RT dry holes
RT exploratory wells
RT field production equipment
RT gas condensate wells
RT gas lifts
RT interstitial water
RT oil fields
RT petroleum
RT plugging
RT plugging agents
RT sand consolidation
RT water influx
RT well completion
RT well injection equipment
RT well recovery equipment
RT well servicing
RT well stimulation
RT wellhead prices
RT wellheads

OIL YIELDS

INIS: Jul 1993; ETDE: Apr 1975
BT1 yields
RT petroleum
RT productivity

OILS

*BT1 other organic compounds
NT1 coal tar oils
NT1 essential oils
NT1 fish oil
NT1 insulating oils
NT1 lipiodol
NT1 lubricating oils
NT1 pyrolytic oils
NT1 road oils
NT1 shale tar oils
NT1 tall oil
NT1 triolein
NT1 vegetable oils
NT2 castor oil
NT2 corn oil
NT2 cottonseed oil
NT2 linseed oil
NT2 olive oil
NT2 palm oil
NT2 peanut oil
NT2 sesame oil
NT2 soybean oil
NT2 sunflower oil
NT1 waste oils
NT1 wood oils
RT bromine number
RT coolants
RT distillates
RT fuel oils
RT greases
RT hydrocarbons
RT petroleum
RT petroleum products
RT terpenes
RT triglycerides

OINTMENTS

RT drugs
RT skin

oiyai

Use jinr

OKG-1 REACTOR

UF *oskarshamn-1 reactor*
*BT1 bwr type reactors

OKG-2 REACTOR

UF *oskarshamn-2 reactor*
*BT1 bwr type reactors

OKG-3 REACTOR

UF *oskarshamn-3 reactor*
*BT1 power reactors

OKG-4 REACTOR

UF *oskarshamn-4 reactor*
*BT1 power reactors

OKINAWA
INIS: Jun 1992; ETDE: Aug 1980
BT1 islands
RT japan

OKLAHOMA
*BT1 usa
RT chattanooga formation
RT permian basin
RT sequoyah uf6 production plant

OKLO PHENOMENON
INIS: Jan 1976; ETDE: Mar 1976
UF *natural reactor oklo*
BT1 natural nuclear reactors
RT chain reactions
RT criticality
RT gabon
RT spontaneous fission
RT uranium deposits
RT uranium ores

oktemberian-1 reactor
Use armenian-1 reactor

oktemberian-2 reactor
Use armenian-2 reactor

OKTEMBERYAN-2 REACTOR
INIS: Apr 2000; ETDE: Dec 1974
*BT1 pwr type reactors

OKUBO MASS FORMULA
BT1 mass formulae
RT particle multiplets

old faithful geyser
Use geysers

OLDBURY-A REACTOR
(Oldbury on Severn, Gloucestershire, UK)
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 thermal reactors

OLDBURY-B REACTOR
(Oldbury on Severn, Gloucestershire, UK)
*BT1 carbon dioxide cooled reactors
*BT1 enriched uranium reactors
*BT1 power reactors
*BT1 thermal reactors

olefins
Use alkenes

OLEIC ACID
*BT1 monocarboxylic acids
RT triolein

olein
Use triolein

OLEORESINS
INIS: Apr 2000; ETDE: May 1979
(Plant products containing chiefly essential oil and resin; obtained from plants such as pine trees.)
RT aromatics
RT biomass

OLFACTORY BULBS
*BT1 brain
RT sense organs

oligocene epoch
Use tertiary period

OLIGONUCLEOTIDES
(Chemically synthesized polynucleotides, generally shorter than 100 nucleotides. Until April 1994 this concept was indexed to NUCLEOTIDES.)
*BT1 dna
RT dna hybridization
RT dna-cloning
RT nucleotides
RT recombinant dna

OLIGOPHENYLENES
*BT1 aromatics
*BT1 hydrocarbons

OLIGOSACCHARIDES
*BT1 saccharides
NT1 disaccharides
NT2 cellobiose
NT2 lactose
NT2 maltose
NT2 saccharose
NT1 raffinose

OLIVE OIL
UF *florence oil*
UF *luccu oil*
*BT1 triglycerides
*BT1 vegetable oils
RT olives

OLIVE TREES
INIS: Dec 1975; ETDE: Jan 1976
*BT1 magnoliopsida
*BT1 trees

OLIVES
*BT1 fruits
RT dacus oleae
RT olive oil

OLIVINE
UF *olivines*
*BT1 silicate minerals
RT anorthosites
RT basalt
RT dielectric track detectors
RT iron silicates
RT kimberlites
RT magnesium silicates
RT peridotites

olivines
Use olivine

olkiluoto (halmholmen)-1 reactor
Use olkiluoto-1 reactor

olkiluoto (halmholmen)-2 reactor
Use olkiluoto-2 reactor

OLKILUOTO-1 REACTOR
INIS: Aug 1976; ETDE: Sep 1997
(Asea-Atom BWR reactor at Olkiluoto (Halmholmen) Finland for Teollisuuden Voima OY. Until June 1997 this reactor was known as TVO-1 REACTOR.)
UF *olkiluoto (halmholmen)-1 reactor*
UF *olkiluoto reactor*
UF *teollisuuden voima oy-1 reactor*
UF *tvo-1 reactor*
*BT1 bwr type reactors

OLKILUOTO-2 REACTOR
INIS: Aug 1976; ETDE: Sep 1997
(Asea-Atom BWR reactor at Olkiluoto (Halmholmen) Finland for Teollisuuden Voima OY. Until June 1997 this reactor was known as TVO-2 REACTOR.)
UF *olkiluoto (halmholmen)-2 reactor*
UF *teollisuuden voima oy-2 reactor*
UF *tvo-2 reactor*
*BT1 bwr type reactors

olkiluoto reactor
Use olkiluoto-1 reactor

OLYMPIC DAM MINE
INIS: Apr 1990; ETDE: May 1990
*BT1 uranium mines
RT roxby downs deposit
RT south australia

omaha veterans triga-mk-1
Use triga-veterans reactor

OMAN
INIS: Sep 1981; ETDE: Oct 1976
BT1 arab countries
BT1 asia
BT1 developing countries
BT1 middle east

OMEGA-1420 MESONS
INIS: Jul 1995; ETDE: Jul 1995
*BT1 vector mesons

OMEGA-1600 MESONS
INIS: Jul 1995; ETDE: Jul 1995
*BT1 vector mesons

omega-1675 resonances
Use omega3-1670 mesons

omega-1778 resonances
Use mesons

OMEGA-2250 BARYONS
INIS: Jul 1995; ETDE: Jul 1995
*BT1 omega baryons

OMEGA-782 MESONS
(Until December 1987 this concept was indexed by OMEGA-784RESONANCES; from then until July 1995 it was indexed by OMEGA-783 MESONS.)
UF *omega-783 mesons*
UF *omega-784 resonances*
*BT1 vector mesons

omega-783 mesons
Use omega-782 mesons

omega-784 resonances
Use omega-782 mesons

OMEGA BARYONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 hyperons
NT1 omega particles
NT2 antiomega particles
NT2 omega minus particles
NT1 omega-2250 baryons

OMEGA C NEUTRAL BARYONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 charmed baryons

OMEGA FACILITY
INIS: May 1984; ETDE: May 1979
(Large Nd laser facility at University of Rochester to be used for laser fusion experiments.)
RT gdl facility
RT laser fusion reactors
RT neodymium lasers

omega minus
Use omega particles

OMEGA MINUS PARTICLES
INIS: Jul 1995; ETDE: Jul 1995
(Until July 1995 this concept was indexed to OMEGA PARTICLES)
*BT1 omega particles

omega particle beams
Use hyperon beams

OMEGA PARTICLES
UF *omega minus*
*BT1 omega baryons
NT1 antiomega particles
NT1 omega minus particles

omega west reactor
Use owr reactor

OMEGA3-1670 MESONS
INIS: Sep 1977; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by OMEGA-1675 RESONANCES.)
UF *omega-1675 resonances*
*BT1 tensor mesons

omentum
Use mesentery

OMNES-MUSKHELISHVILI METHOD
BT1 calculation methods
RT partial waves

omnitron
Use synchrotrons

OMR TYPE REACTORS
UF *organic cooled and moderated reactor*
*BT1 organic cooled reactors
*BT1 organic moderated reactors
NT1 arbus reactor
NT1 omre reactor
NT1 pnpf reactor
RT power reactors

OMRE REACTOR
UF *organic moderated reactor experiment*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 mixed spectrum reactors
*BT1 omr type reactors

ON-HIGHWAY USE
INIS: Apr 2000; ETDE: Jun 1982
RT fuel consumption
RT taxes

on-line computers
Use computers
AND on-line systems

ON-LINE CONTROL SYSTEMS
BT1 control systems
BT1 on-line systems
NT1 computerized control systems
RT camac system
RT computer-aided manufacturing
RT fastbus system
RT nuclear instrument modules
RT process computers
RT reactor control systems
RT real time systems
RT remote multiplexing systems

ON-LINE MEASUREMENT SYSTEMS
BT1 on-line systems
RT digitizers
RT fastbus system
RT measuring instruments
RT reactor monitoring systems

ON-LINE SYSTEMS
UF+ *on-line computers*
NT1 on-line control systems
NT2 computerized control systems
NT1 on-line measurement systems
RT computer networks
RT mwd systems
RT real time systems

ON-SITE INSPECTION
INIS: Sep 1993; ETDE: May 1988
BT1 inspection
RT in-country detection
RT verification

ON-SITE POWER GENERATION
INIS: Apr 1986; ETDE: Oct 1980
(Production of power at location of use instead of purchase of power from a utility.)
BT1 power generation
RT dispersed storage and generation
RT electric power
RT power plants
RT reactor sites

ONAGAWA-1 REACTOR
(Onagawa, Miyagi, Japan)
UF *tohoku-1 reactor*
*BT1 bwr type reactors

ONAGAWA-2 REACTOR
INIS: Nov 1989; ETDE: Dec 1989
(Onagawa, Miyagi, Japan.)
*BT1 bwr type reactors

ONAGAWA-3 REACTOR
INIS: Apr 2000; ETDE: Nov 1999
(Onagawa, Miyagi, Japan)
*BT1 bwr type reactors

ONCE-THROUGH COOLING SYSTEMS
INIS: Mar 1993; ETDE: Jun 1975
*BT1 cooling systems
RT cooling

ONCOGENES
INIS: Apr 1987; ETDE: Nov 1985
(Genes whose expression may lead to cancer. The genes maybe normal components of the genome or be derived from oncogenic viruses.)
BT1 genes
RT carcinogenesis
RT growth factors
RT gtp-ases
RT oncogenic transformations
RT oncogenic viruses

ONCOGENIC TRANSFORMATIONS
INIS: Jul 1981; ETDE: Jul 1979
(The chemical alterations induced in a cell by exposure to carcinogens and leading ultimately to the development of a neoplastic condition.)
UF *transformations (oncogenic)*
BT1 cell transformations
RT carcinogenesis
RT carcinogens
RT oncogenes

ONCOGENIC VIRUSES
INIS: Mar 1976; ETDE: Aug 1975
UF *epstein-barr virus*
UF *rous sarcoma virus*
UF *sv40 virus*
UF *tumor viruses*
*BT1 viruses
NT1 adenovirus
NT1 leukemia viruses
NT1 polyoma virus
RT carcinogenesis
RT leukemia
RT oncogenes

ONCOVIN
INIS: May 1976; ETDE: Aug 1976
UF *vincristine sulfate*
*BT1 alkaloids
*BT1 antimitotic drugs

ONDULATOR RADIATION
*BT1 bremsstrahlung

one-boson-exchange model
Use obe model

ONE-DIMENSIONAL CALCULATIONS
UF *1-dimensional calculations*
UF *calculations (1-dimensional)*
RT adjoint difference method
RT mathematics

ONE-GROUP THEORY
*BT1 neutron transport theory

ONE-NUCLEON TRANSFER REACTIONS
*BT1 transfer reactions

ONIKOBE GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Nov 1975
BT1 geothermal fields
RT japan

ONIONS
*BT1 liliopsida
*BT1 vegetables
NT1 allium cepa
RT bulbs
RT hylemya antiqua
RT sprout inhibition

onsager principle
Use onsager relations

ONSAGER RELATIONS
UF *onsager principle*
UF *onsager symmetry relations*
RT irreversible processes
RT pressure gradients
RT temperature gradients
RT thermodynamics

onsager symmetry relations
Use onsager relations

ONSHORE SITES
INIS: Oct 1992; ETDE: Dec 1979
(To be used only in conjunction with offshore sites if the paper discusses both.)
RT offshore sites

ONSLOW BAY
INIS: Apr 2000; ETDE: Jun 1977
*BT1 atlantic ocean
*BT1 bays
RT north carolina
RT south atlantic bight

ONTARIO
*BT1 canada
NT1 chalk river
NT1 deep river
NT1 elliot lake
RT ottawa river

RT st lawrence river

ontario phwr pickering-1 reactor
Use pickering-1 reactor

ontario phwr pickering-2 reactor
Use pickering-2 reactor

ontario phwr pickering-3 reactor
Use pickering-3 reactor

ontario phwr pickering-4 reactor
Use pickering-4 reactor

ontario phwr pickering-5 reactor
Use pickering-5 reactor

ontario phwr pickering-6 reactor
Use pickering-6 reactor

ontario phwr pickering-7 reactor
Use pickering-7 reactor

ontario phwr pickering-8 reactor
Use pickering-8 reactor

ONTOGENESIS
UF *embryonic development*
RT animal growth
RT apoptosis
RT cell differentiation
RT embryos
RT fetuses
RT genotype
RT growth factors
RT metamorphosis
RT morphogenesis
RT phenotype
RT zygotes

ONUMA GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: May 1975
BT1 geothermal fields
RT hachimantai
RT japan

OOCYTES
BT1 germ cells
RT ova

OOGENESIS
BT1 gametogenesis
RT oogonia
RT ova
RT ovaries
RT reproduction

OOGONIA
INIS: Nov 1975; ETDE: Dec 1975
BT1 germ cells
RT oogenesis

OPACITY
UF *optical density*
UF *transparency*
SF *absorptivity (optical)*
*BT1 optical properties
RT attenuation
RT light transmission
RT schlieren method
RT transmission
RT visibility
RT visible radiation

OPALS
INIS: Nov 1985; ETDE: Mar 1980
(An amorphous form of silica containing a varying portion of water occuring in nearly all colors.)
*BT1 silica

OPE MODEL
UF *pion-exchange model*
*BT1 obe model
NT1 electric born model
RT ope potential

OPE POTENTIAL
BT1 potentials
NT1 gammel-thaler potential
RT nucleon-nucleon potential
RT nucleons
RT ope model

OPEC
INIS: Mar 1992; ETDE: Aug 1975
(Organization of Oil Exporting Countries)
BT1 international organizations
BT1 oil-exporting countries
RT algeria
RT cartels
RT ecuador
RT gabon
RT indonesia
RT iran
RT iraq
RT kuwait
RT libyan arab jamahiriya
RT middle east
RT nigeria
RT oapec
RT petroleum
RT qatar
RT saudi arabia
RT united arab emirates
RT venezuela

OPEN CONFIGURATIONS
UF *magnetic traps (open)*
BT1 magnetic field configurations
NT1 baseball seam configurations
NT1 cusped geometries
NT1 magnetic mirror configurations
NT2 tlm configurations
NT1 minimum-b configurations
RT open plasma devices

OPEN-CYCLE COOLING SYSTEMS
INIS: Jul 1976; ETDE: Feb 1975
UF+ *wet-type cooling towers*
*BT1 cooling systems
RT coolant loops
RT cooling towers
RT open-cycle systems
RT reactor cooling systems

OPEN-CYCLE MHD GENERATORS
*BT1 mhd generators
RT closed-cycle mhd generators

OPEN-CYCLE SYSTEMS
INIS: Apr 2000; ETDE: Dec 1975
RT lift cycles
RT open-cycle cooling systems

open-flow collectors
Use trickle-type collectors

OPEN-LOOP CONTROL
INIS: Sep 1976; ETDE: Nov 1976
(Without feedback.)
BT1 control

open pit mining
Use surface mining

OPEN PLASMA DEVICES
BT1 thermonuclear devices
NT1 baseball devices
NT1 linear pinch devices
NT2 linear hard core pinch devices
NT2 linear screw pinch devices
NT2 linear theta pinch devices
NT3 isar devices
NT3 scylla devices
NT2 linear z pinch devices
NT1 magnetic mirrors
NT2 2x devices
NT2 alice
NT2 beta ii devices
NT2 bumpy tori
NT3 elmo bumpy torus
NT2 burnout devices
NT2 circe devices
NT2 deca devices
NT2 elmo devices
NT3 elmo bumpy torus
NT2 gol-3 device
NT2 imp device
NT2 mftf devices
NT2 ogra
NT2 phoenix devices
NT2 pleiade device
NT2 reversed-field mirrors
NT2 tandem mirrors
NT3 gamma 10 devices
NT3 phaedrus mirror devices
NT3 tara devices
NT3 tmx devices
NT1 plasma focus devices
NT2 pf-1000 device
NT1 q devices
NT2 helios devices
NT2 qp devices
RT open configurations

OPENINGS
NT1 apertures
NT1 doors
NT2 storm doors
NT1 orifices
NT1 stomata
NT1 windows
NT2 storm windows
RT boreholes
RT caves
RT cavities
RT craters
RT ducts
RT mine shafts
RT shutters
RT vents

OPERATING COST
INIS: Dec 1982; ETDE: Feb 1979
BT1 cost
RT capitalized cost
RT economic analysis

OPERATING LICENSES
INIS: Dec 1976; ETDE: Mar 1978
BT1 licenses
RT licensing procedures
RT licensing regulations

operating systems (computer)
Use executive codes

OPERATION
NT1 reactor operation
RT maintenance
RT motor vehicle operators
RT start-up

operation (fission reactor)
Use reactor operation

operation (reactor)
Use reactor operation

OPERATIONAL AMPLIFIERS
*BT1 amplifiers

operations offices
Use us doe field offices

operations research
See decision making
OR input-output analysis
OR management
OR mathematical models
OR optimization

OPERATOR PRODUCT EXPANSION
INIS: Nov 1988; ETDE: Dec 1988
BT1 series expansion
RT gauge invariance
RT quantum operators

operators (mathematical)
Use mathematical operators

operators (nuclear facilities)
Use nuclear operators

operators (quantum field theory)
Use quantum operators

operators (quantum mechanical)
Use quantum operators

OPHTHALMOLOGY
BT1 medicine
RT eyes
RT sense organs diseases

opiates
Use narcotics

OPIUM
INIS: Apr 2000; ETDE: Mar 1979
*BT1 analgesics
*BT1 narcotics
NT1 morphine
NT2 thebaine
RT papaver somniferum

opix process
Use radioactive waste processing

opossum
Use marsupials

OPPENHEIMER-PHILLIPS PROCESS
RT direct reactions
RT nuclear reactions
RT stripping

OPTICAL ACTIVITY
INIS: Jun 1977; ETDE: Feb 1976
(The ability to rotate the plane of vibration of polarized light.)
UF *activity (optical)*
*BT1 optical properties
RT crystal structure
RT molecular structure
RT polarization
RT stereochemistry

optical antipodes
Use enantiomorphs

optical computers
Use computers

optical density
Use opacity

OPTICAL DEPTH CURVE
INIS: Aug 1975; ETDE: Aug 1976
*BT1 diagrams
NT1 spectroscopic curve of growth
RT absorption spectra
RT cosmic gases
RT line broadening
RT optical properties
RT oscillator strengths

OPTICAL DISPERSION
RT diffraction
RT optics
RT refraction
RT refractive index

OPTICAL EQUIPMENT
INIS: Nov 1975; ETDE: Apr 1975
UF+ *optical scanners*
UF+ *scanners (optical)*
BT1 equipment
RT antireflection coatings
RT fiber optics
RT optical fibers
RT parametric oscillators

OPTICAL FIBERS
INIS: Sep 1982; ETDE: Mar 1982
(Long, thin threads of transparent materials used to transmit light.)
UF *light guides*
BT1 fibers
RT fiber optics
RT optical equipment
RT optical systems

OPTICAL FILTERS
BT1 filters
RT optical systems

optical isomers
Use enantiomorphs

OPTICAL MICROSCOPES
BT1 microscopes

OPTICAL MICROSCOPY
BT1 microscopy
NT1 scanning light microscopy

OPTICAL MODELS
UF *feshbach-porter-weisskopf model*
UF *kisslinger model*
UF *models (optical)*
BT1 mathematical models
RT atomic models
RT cloudy crystal ball model
RT fsc approximation
RT nuclear models
RT nuclear potential
RT particle models
RT perey-buck model
RT woods-saxon potential

OPTICAL MODES
UF *modes (optical)*
BT1 oscillation modes

OPTICAL PROPERTIES
BT1 physical properties
NT1 brightness
NT1 color
NT1 emissivity
NT1 luminosity
NT1 opacity
NT1 optical activity
NT1 reflectivity
NT1 refractive index
NT1 spectral reflectance
RT absorptivity
RT birefringence
RT dichroism
RT diffraction
RT electro-optical effects
RT fiber optics
RT geometrical aberrations
RT light scattering
RT light transmission
RT magneto-optical effects
RT mirrors
RT optical depth curve
RT optical systems
RT optics
RT reflective coatings
RT refraction
RT spectroscopic curve of growth
RT visibility

OPTICAL PUMPING
UF *pumping (laser)*
BT1 pumping
RT double resonance methods
RT electrical pumping
RT excitation
RT lasers
RT nuclear pumping
RT stimulated emission

OPTICAL PYROMETERS
*BT1 pyrometers
RT temperature measurement

OPTICAL RADAR
INIS: Apr 1992; ETDE: Jan 1979
UF *lidar*
*BT1 radar
RT laser radiation
RT lasers
RT optical systems
RT remote sensing

OPTICAL REFLECTION
INIS: Sep 1994; ETDE: Jan 1975
BT1 reflection
RT optics

optical scanners
Use image scanners
AND optical equipment

OPTICAL SPECTROMETERS
*BT1 spectrometers

OPTICAL SYSTEMS
NT1 periscopes
RT antireflection coatings
RT beam optics
RT diffraction gratings
RT fiber optics
RT lenses
RT lighting systems
RT mirrors
RT optical fibers
RT optical filters
RT optical properties
RT optical radar
RT optics
RT remote viewing equipment
RT shutters
RT solar reflectors
RT telescopes

OPTICAL THEOREM
RT small angle scattering

OPTICALLY THICK PLASMA
BT1 plasma

OPTICALLY THIN PLASMA
BT1 plasma

OPTICS
INIS: Jan 1978; ETDE: Apr 1976
- **NT1** fiber optics
- **NT1** nonlinear optics
- *RT* beam optics
- *RT* illuminance
- *RT* incidence angle
- *RT* optical dispersion
- *RT* optical properties
- *RT* optical reflection
- *RT* optical systems
- *RT* quantum electronics

OPTIMAL CONTROL
INIS: Sep 1976; ETDE: Nov 1976
- BT1 control
- *RT* optimization

OPTIMIZATION
(From September 1982 till March 1997 OPERATIONS RESEARCH was a valid ETDE descriptor.)
- SF *operations research*
- **NT1** minimization
- *RT* alara
- *RT* augmentation
- *RT* control
- *RT* control systems
- *RT* control theory
- *RT* dynamic programming
- *RT* econometrics
- *RT* linear programming
- *RT* mitigation
- *RT* modifications
- *RT* nonlinear programming
- *RT* optimal control
- *RT* parametric analysis
- *RT* planning
- *RT* variational methods

optoacoustic cells
- Use photoacoustic spectrometers

OR-CEF REACTOR
- UF *cef-or reactor*
- UF *critical experiments facility oak ridge*
- UF *oak ridge critical experiments facility*
- *BT1 zero power reactors

ORAL ADMINISTRATION
- UF *gastric administration*
- BT1 intake
- *RT* ingestion
- *RT* intestinal absorption
- *RT* radionuclide administration

ORAL CAVITY
- UF *lips*
- UF *mouth*
- BT1 digestive system
- **NT1** teeth
- **NT1** tongue
- *RT* face
- *RT* head
- *RT* ingestion
- *RT* pharynx
- *RT* salivary glands

orange event
- Use atmospheric explosions
- AND nuclear explosions

orange-type spectrometers
- Use flat magnetic spectrometers

ORANGES
- *BT1 fruits
- *RT* citrus

ORAU
- UF *oak ridge associated universities*
- *BT1 us organizations

ORBIT STABILITY
- BT1 stability
- *RT* beam dynamics

ORBITAL ANGULAR MOMENTUM
- BT1 angular momentum
- *RT* fractional-parentage coefficients
- *RT* j-j coupling
- *RT* l-s coupling
- *RT* spin

ORBITAL MOMENTUM OPERATORS
- *BT1 angular momentum operators

ORBITAL SOLAR POWER PLANTS
INIS: Feb 1993; ETDE: Jan 1975
- UF *satellite power system*
- UF *satellite solar power stations*
- *BT1 solar power plants
- *RT* orbital solar reflectors
- *RT* satellites

ORBITAL SOLAR REFLECTORS
INIS: Apr 2000; ETDE: Feb 1980
(For providing concentrated solar radiation to ground-based solar power plants.)
- *BT1 solar reflectors
- *RT* orbital solar power plants
- *RT* solar power plants

orbiting geophysical observatory
- Use ogo satellites

ORBITING SOLAR OBSERVATORIES
- BT1 satellites
- *RT* space flight
- *RT* sun

ORBITS
(For electron orbits in atoms use ELECTRONIC STRUCTURE.)
- *RT* beam dynamics
- *RT* limit cycle
- *RT* precession
- *RT* trajectories

orc flash pyrolysis process
- Use occidental flash pyrolysis process

ORDER-DISORDER MODEL
INIS: Sep 1977; ETDE: Nov 1977
- *BT1 nuclear models
- *RT* fission

ORDER-DISORDER TRANSFORMATIONS
- BT1 phase transformations
- *RT* crystal-phase transformations
- *RT* ising model
- *RT* superlattices

ORDER PARAMETERS
- *RT* crystal structure
- *RT* wilson loop

ORDERS
INIS: Apr 2000; ETDE: Mar 1997
(From December 1979 till March 1997 CONSENT ORDERS was a valid ETDE descriptor.)
- UF *consent orders*
- BT1 administrative procedures

ordnance
- Use military equipment

ORDOVICIAN PERIOD
INIS: Apr 1992; ETDE: Oct 1977
- *BT1 paleozoic era

ORE COMPOSITION
- UF *abundance (mineral)*
- *RT* abundance
- *RT* availability
- *RT* mining
- *RT* natural occurrence
- *RT* ores

ORE CONCENTRATES
- UF *concentrates (ore)*
- UF *enriched materials (ores)*
- **NT1** uranium concentrates
- *RT* ore enrichment

ORE ENRICHMENT
- UF *enrichment (ores)*
- BT1 enrichment
- *BT1 ore processing
- BT1 separation processes
- *RT* flotation
- *RT* leaching
- *RT* ore concentrates

ORE PROCESSING
- UF *processing (ores)*
- BT1 processing
- **NT1** ore enrichment
- **NT1** retorting
  - **NT2** in-situ retorting
- *RT* crushing
- *RT* flotation
- *RT* in-situ processing
- *RT* leaching
- *RT* mill tailings
- *RT* ores
- *RT* process control
- *RT* radiometric sorting
- *RT* refining
- *RT* slurries
- *RT* tailings
- *RT* thiobacillus oxidans
- *RT* uranium concentrates

ore reserves
- Use reserves

OREGON
- *BT1 usa
- **NT1** mt hood
- *RT* cascade mountains
- *RT* columbia river basin
- *RT* klamath falls
- *RT* snake river plain
- *RT* us west coast

oregon state triga reactor
- Use ostr reactor

ORELA
(Oak Ridge Electron Linear Accelerator)
- *BT1 linear accelerators

ORES
(Prior to March 1997 RHENIUM ORES and SELENIUM ORES were valid ETDE descriptors.)
- UF *rhenium ores*
- UF *selenium ores*
- **NT1** aluminium ores
  - **NT2** bauxite
- **NT1** bismuth ores
- **NT1** chromium ores
- **NT1** cobalt ores
- **NT1** copper ores
- **NT1** gold ores
- **NT1** iron ores

NT2 hematite
NT2 limonite
NT2 magnetite
NT2 siderite
NT1 lead ores
NT1 manganese ores
NT1 molybdenum ores
NT1 nickel ores
NT1 niobium ores
NT1 polymetallic ores
NT1 silver ores
NT1 sulfur ores
NT1 tantalum ores
NT1 tellurium ores
NT1 thorium ores
NT1 tin ores
NT1 titanium ores
NT1 tungsten ores
NT1 uranium ores
NT2 caldasite
NT2 uranium concentrates
NT1 vanadium ores
NT1 yttrium ores
NT1 zinc ores
NT1 zirconium ores
RT environmental materials
RT geologic deposits
RT minerals
RT ore composition
RT ore processing

organ cultures

Use tissue cultures

organelles

Use cell constituents

ORGANIC ACIDS

(Not for the concepts covered by NUCLEIC ACIDS and NUCLEOTIDES.)
UF *acids (organic)*
UF+ *cacodylic acid*
UF+ *sulfinic acids*
BT1 organic compounds
NT1 arsonic acids
NT2 arsenazo
NT1 boronic acids
NT1 carboxylic acids
NT2 amino acids
NT3 alanines
NT4 alanine-alpha
NT5 alanine-l
NT4 alanine-beta
NT3 aminobutyric acid
NT3 aminolevulinic acid
NT3 anthranilic acid
NT3 arginine
NT3 asparagine
NT3 aspartic acid
NT3 betaine
NT3 carnitine
NT3 cdta
NT3 citrulline
NT3 creatine
NT3 cysteine
NT3 cystine
NT3 dcta
NT3 diiodotyrosine
NT3 dopa
NT3 dtpa
NT3 eddha
NT3 edta
NT3 ethionine
NT3 folic acid
NT3 glutamic acid
NT4 pyridoxylideneglutamate
NT3 glutamine
NT3 glycine
NT3 glycylglycine
NT3 hedta
NT3 heida
NT3 hippuric acid
NT3 histidine
NT3 homocysteine
NT3 hydroxyproline
NT3 hydroxytryptophan
NT3 kynurenine
NT3 leucine
NT3 lysine
NT3 methionine
NT3 methyl red
NT3 methyl tyrosine
NT3 mimosine
NT3 mpg
NT3 nta
NT3 ornithine
NT3 paba
NT3 pantothenic acid
NT3 penicillamine
NT3 phenylalanine
NT3 phosphocreatine
NT3 proline
NT3 sarcosine
NT3 serine
NT3 tetaha
NT3 threonine
NT3 thyronine
NT3 thyroxine
NT3 tryptophan
NT3 tyrosine
NT3 valine
NT2 bile acids
NT3 cholic acid
NT2 carminic acid
NT2 dicarboxylic acids
NT3 adipic acid
NT3 fumaric acid
NT3 glutaric acid
NT3 itaconic acid
NT3 maleic acid
NT3 malonic acid
NT3 oxalic acid
NT3 phthalic acid
NT3 sebacic acid
NT3 succinic acid
NT3 terephthalic acid
NT2 egta
NT2 glyoxylic acid
NT2 heterocyclic acids
NT3 bilirubin
NT3 biotin
NT3 histidine
NT3 hydroxyproline
NT3 lysergic acid
NT3 nicotinic acid
NT3 orotic acid
NT3 picolinic acid
NT3 porphyrins
NT4 chlorins
NT4 chlorophyll
NT4 hematoporphyrins
NT4 heme
NT4 hemoglobin
NT5 methemoglobin
NT4 hemosiderin
NT4 myoglobin
NT4 protoporphyrins
NT3 proline
NT3 rhodamines
NT3 thioctic acid
NT3 tryptophan
NT3 urocanic acid
NT2 hydroxy acids
NT3 acetylsalicylic acid
NT3 benzilic acid
NT3 carnitine
NT3 citric acid
NT3 diiodotyrosine
NT3 dopa
NT3 eddha
NT3 eosin
NT3 fluorescein
NT4 erythrosine
NT3 galacturonic acid
NT3 gallic acid
NT3 gibberellic acid
NT3 gluconic acid
NT3 glucuronic acid
NT3 glyceric acid
NT3 glycolic acid
NT3 hedta
NT3 heida
NT3 hydroxyproline
NT3 hydroxytryptophan
NT3 lactic acid
NT3 malic acid
NT3 mandelic acid
NT3 methyl tyrosine
NT3 mevalonic acid
NT3 pantothenic acid
NT3 rose bengal
NT3 salicylic acid
NT3 serine
NT3 shikimic acid
NT3 tartaric acid
NT3 threonine
NT3 thyronine
NT3 tyrosine
NT2 keto acids
NT3 acetoacetic acid
NT3 kynurenine
NT3 levulinic acid
NT3 pyruvic acid
NT2 mellitic acid
NT2 monocarboxylic acids
NT3 abscisic acid
NT3 acetic acid
NT3 acrylic acid
NT3 arachidonic acid
NT3 benzoic acid
NT3 butyric acid
NT3 chlorambucil
NT3 cinnamic acid
NT3 crotonic acid
NT3 decanoic acid
NT3 dodecanoic acid
NT3 eicosanoic acid
NT3 formic acid
NT3 glycolic acid
NT3 heptanoic acid
NT3 hexadecanoic acid
NT3 hexanoic acid
NT3 isobutyric acid
NT3 isovaleric acid
NT3 linoleic acid
NT3 linolenic acid
NT3 methacrylic acid
NT3 nicotinic acid
NT3 nonanoic acid
NT3 octadecanoic acid
NT3 octanoic acid
NT3 oleic acid
NT3 pethidine
NT3 pivalic acid
NT3 propionic acid
NT3 sorbic acid
NT3 tetradecanoic acid
NT3 uronic acids
NT3 valeric acid
NT2 tannic acid
NT1 coal tar acids
NT1 fulvic acids
NT1 humic acids
NT1 mdpa
NT1 phosphinic acids
NT1 phosphonic acids
NT1 phytic acid

NT1 shale tar acids
NT1 sulfonic acids
NT2 arsenazo
NT2 bromosulfophthalein
NT2 chromotropic acid
NT2 eriochrome dyes
NT2 evans blue
NT2 ferron
NT2 methyl orange
NT2 nitroso-r salt
NT2 sulfanilic acid
NT2 taurine
NT2 thorin
NT2 tiron
NT2 trypan blue
NT2 unithiol
NT1 thioic acids
RT acidification
RT anhydrides
RT chloranilic acid
RT hydrazides
RT hydroxamic acids
RT nucleotides
RT ph value
RT picric acid
RT rhodizonic acid
RT sialic acid
RT soaps
RT uric acid

ORGANIC ARSENIC COMPOUNDS

INIS: Mar 1977; ETDE: Jan 1975
UF *arsonates*
BT1 organic compounds
NT1 arsonic acids
NT2 arsenazo
RT arsenic compounds

ORGANIC BORON COMPOUNDS

BT1 organic compounds
NT1 carboranes
RT boron compounds

ORGANIC BROMINE COMPOUNDS

UF *brominated hydrocarbons*
UF+ *bromamines*
UF+ *brominated alicyclic hydrocarbons*
*BT1 organic halogen compounds
NT1 brominated aliphatic hydrocarbons
NT2 bromoform
NT2 methyl bromide
NT1 brominated aromatic hydrocarbons
NT1 bromosulfophthalein
NT1 bromouracils
NT2 budr
NT1 eosin
RT bromine compounds

ORGANIC CHLORINE COMPOUNDS

UF *chlorinated hydrocarbons*
UF+ *iodochloroquine*
UF+ *thiophosgene*
*BT1 organic halogen compounds
NT1 chloral
NT1 chlorambucil
NT1 chloramines
NT1 chloranil
NT1 chlorinated alicyclic hydrocarbons
NT2 lindane
NT1 chlorinated aliphatic hydrocarbons
NT2 carbon tetrachloride
NT2 chloroform
NT2 methyl chloride
NT2 pvc
NT2 vinyl chloride
NT1 chlorinated aromatic hydrocarbons
NT2 aldrin
NT2 polychlorinated biphenyls
NT1 chlorofluorocarbons
NT1 chlorouracils
NT1 chlorpromazine
NT1 ddt
NT1 kel-f
NT1 methylene chloride
NT1 neoprene
NT1 nitrogen mustard
NT1 phosgene
NT1 rose bengal
RT chlorine compounds
RT kepone

ORGANIC COMPOUNDS

UF *compounds (organic)*
UF+ *voc*
SF *chemicals*
SF *renewable resources*
NT1 aldehydes
NT2 acetaldehyde
NT2 acrolein
NT2 aldosterone
NT2 arabinose
NT2 benzaldehyde
NT2 chloral
NT2 deoxyribose
NT2 formaldehyde
NT2 furfural
NT2 galactose
NT2 galacturonic acid
NT2 glucose
NT2 glucuronic acid
NT2 glyoxal
NT2 glyoxylic acid
NT2 mannose
NT2 pyridoxal
NT2 ribose
NT2 xylose
NT1 alkaloids
NT2 atropine
NT2 cocaine
NT2 codeine
NT2 colchicine
NT2 ephedrine
NT2 ergotamine
NT2 eserine
NT2 lysergic acid
NT2 morphine
NT3 thebaine
NT2 nicotine
NT2 oncovin
NT2 pilocarpine
NT2 quinine
NT2 reserpine
NT2 strychnine
NT2 vinblastine
NT1 amines
NT2 acridine orange
NT2 adenines
NT3 kinetin
NT2 aet
NT2 aminopterin
NT2 amphetamines
NT3 benzedrine
NT2 aniline
NT2 benzidine
NT2 bph
NT2 cadaverine
NT2 catecholamines
NT2 chlorambucil
NT2 chloramines
NT2 chlorpromazine
NT2 cupferron
NT2 cystamine
NT2 cystaphos
NT2 cytosine
NT2 deferoxamine
NT2 dopamine
NT2 ephedrine
NT2 flavines
NT3 acriflavine
NT3 proflavine
NT2 gammaphos
NT2 guanine
NT2 hexosamines
NT3 glucosamine
NT2 histamine
NT2 hydroxamic acids
NT3 benzohydroxamic acid
NT2 hydroxylamine
NT2 imipramine
NT2 luminol
NT2 mea
NT2 melamine
NT2 methyl orange
NT2 methyl violet
NT2 methylamine
NT2 methylene blue
NT2 morpholines
NT2 mucopolysaccharides
NT3 chitin
NT3 chondroitin
NT3 heparin
NT3 hyaluronic acid
NT2 nitrogen mustard
NT2 nitrosamines
NT2 oximes
NT3 benzoinoxime
NT3 dimethylglyoxime
NT2 piperidines
NT3 dipyridamole
NT3 pethidine
NT3 triacetoneamine-n-oxyl
NT2 polycyclic aromatic amines
NT2 primene
NT2 putrescine
NT2 pyrrolidines
NT3 hydroxyproline
NT3 nicotine
NT3 proline
NT2 quaternary compounds
NT3 acetylcholine
NT3 betaine
NT3 choline
NT3 pyridinium compounds
NT2 rhodamines
NT2 spermidine
NT2 spermine
NT2 sulfanilic acid
NT2 taurine
NT2 tda
NT2 teta
NT2 tetryl
NT2 thiamine
NT2 thionine
NT2 toa
NT2 toluidines
NT2 tridodecylamine
NT2 trypan blue
NT2 tryptamines
NT3 melatonin
NT3 serotonin
NT4 bufotenine
NT2 tyramine
NT2 urotropin
NT1 antibiotics
NT2 actinomycin
NT2 bleomycin
NT2 chloramphenicol
NT2 cycloheximide
NT2 doxorubicin
NT2 erythromycin
NT2 mitomycin
NT2 neocarcinostatin
NT2 neomycin
NT2 penicillin

NT2 puromycin
NT2 streptomycin
NT2 streptozocin
NT2 tetracyclines
NT3 oxytetracycline
NT2 valinomycin
NT1 aromatics
NT2 acetophenone
NT2 alkylated aromatics
NT3 mesitylene
NT3 methylnaphthalenes
NT3 styrene
NT3 toluene
NT3 xylenes
NT4 xylene-para
NT2 aniline
NT2 azaarenes
NT3 acridines
NT4 acridine orange
NT4 flavines
NT5 acriflavine
NT5 proflavine
NT3 carbazoles
NT3 indoles
NT4 indigo
NT4 indocyanine green
NT4 lysergic acid
NT4 reserpine
NT4 strychnine
NT4 tryptamines
NT5 melatonin
NT5 serotonin
NT6 bufotenine
NT4 tryptophan
NT4 vinblastine
NT3 phenanthrolines
NT4 ferroin
NT4 phenanthroline-ortho
NT3 pteridines
NT4 aminopterin
NT4 folic acid
NT3 purines
NT4 adenines
NT5 kinetin
NT4 guanine
NT4 guanosine
NT4 hypoxanthine
NT4 inosine
NT4 mercaptopurine
NT4 xanthines
NT5 caffeine
NT5 theobromine
NT5 theophylline
NT5 uric acid
NT3 quinolines
NT4 ferron
NT4 oxine
NT4 quinaldine
NT2 benzene
NT2 benzidine
NT2 benzyl alcohol
NT2 bibenzyl
NT2 biphenyl
NT2 condensed aromatics
NT3 3-methylcholanthrene
NT3 acenaphthene
NT3 anthracene
NT3 benzanthracene
NT3 benzopyrene
NT3 calixarenes
NT3 cholanthrene
NT3 chrysene
NT3 dimethylbenzanthracene
NT3 fluorene
NT3 indene
NT3 indocyanine green
NT3 methylnaphthalenes
NT3 naphthalene
NT3 pentacene
NT3 perylene
NT3 phenanthrene
NT3 pyrene
NT3 tetracene
NT3 triphenylene
NT2 cumene
NT2 cymene
NT2 ddt
NT2 divinylbenzene
NT2 durene
NT2 halogenated aromatic hydrocarbons
NT3 brominated aromatic hydrocarbons
NT3 chlorinated aromatic hydrocarbons
NT4 aldrin
NT4 polychlorinated biphenyls
NT3 fluorinated aromatic hydrocarbons
NT3 iodinated aromatic hydrocarbons
NT2 indan
NT2 methyl tyrosine
NT2 mibg
NT2 oligophenylenes
NT2 pethidine
NT2 phenols
NT3 cresols
NT3 dinitrophenol
NT3 eriochrome dyes
NT3 naphthols
NT4 1-nitroso-2-naphthol
NT4 nitroso-r salt
NT4 pan
NT4 thorin
NT4 trypan blue
NT3 nitrophenol
NT3 phenol
NT3 phenolphthalein
NT3 picric acid
NT3 polyphenols
NT4 arsenazo
NT4 bromosulfophthalein
NT4 catecholamines
NT4 curcumin
NT4 dopamine
NT4 fluorescein
NT5 erythrosine
NT4 hematoxylin
NT4 morin
NT4 pyridylazoresorcinol
NT4 pyrocatechol
NT4 pyrogallol
NT4 quercetin
NT4 resorcinol
NT4 stilbestrol
NT4 tannic acid
NT4 tiron
NT3 pop
NT3 thymol
NT3 tyramine
NT3 xylenols
NT2 phenylalanine
NT2 polycyclic aromatic hydrocarbons
NT3 3-methylcholanthrene
NT2 polyphenyls
NT3 terphenyls
NT4 terphenyl-ortho
NT4 terphenyl-para
NT2 quaterphenyls
NT2 quinones
NT3 anthraquinones
NT4 alizarin
NT4 carminic acid
NT4 quinizarin
NT3 benzoquinones
NT4 chloranil
NT4 chloranilic acid
NT4 plastoquinone
NT4 ubiquinone
NT3 rhodizonic acid
NT3 vitamin k
NT2 stilbene
NT2 tetralin
NT2 tolan
NT1 carbohydrates
NT2 glycosides
NT3 cardiac glycosides
NT4 digitalis glycosides
NT5 digitoxin
NT5 digoxin
NT4 strophanthins
NT5 ouabain
NT3 saponins
NT3 strophantin
NT3 udpg
NT2 saccharides
NT3 glycolipids
NT4 cerebrosides
NT4 gangliosides
NT3 glycoproteins
NT4 avidin
NT4 glucoproteins
NT5 lactoferrin
NT5 ovalbumin
NT4 lh
NT3 monosaccharides
NT4 erythritol
NT4 hexoses
NT5 fructose
NT5 galactose
NT5 glucose
NT5 hexosamines
NT6 glucosamine
NT5 mannose
NT5 sorbose
NT4 inositols
NT5 inositol
NT4 pentoses
NT5 arabinose
NT5 deoxyribose
NT5 ribose
NT5 ribulose
NT5 xylose
NT4 sorbitol
NT3 oligosaccharides
NT4 disaccharides
NT5 cellobiose
NT5 lactose
NT5 maltose
NT5 saccharose
NT4 raffinose
NT3 polysaccharides
NT4 agar
NT4 alginic acid
NT4 cellophane
NT4 cellulose
NT4 dextran
NT4 dextrin
NT4 glycogen
NT4 gum acacia
NT4 hemicellulose
NT5 xylans
NT4 inulin
NT4 lignin
NT4 lipopolysaccharides
NT4 mucopolysaccharides
NT5 chitin
NT5 chondroitin
NT5 heparin
NT5 hyaluronic acid
NT4 mucoproteins
NT5 haptoglobins
NT5 intrinsic factor
NT5 phytohemagglutinin
NT4 nitrocellulose
NT4 pectins
NT4 rayon
NT4 starch

NT4 viscose
NT4 xanthan gum
NT1 carbonic acid derivatives
NT2 carbamates
NT3 dedtc
NT3 urethane
NT2 carbazides
NT2 carbazones
NT3 dithizone
NT2 cyanamides
NT2 cyanates
NT2 dpca
NT2 guanidines
NT3 mibg
NT2 isocyanates
NT2 isonitriles
NT2 isothiocyanates
NT2 meg
NT2 methyl nitrosourea
NT2 phosgene
NT2 semicarbazides
NT2 semicarbazones
NT2 thiocyanates
NT3 ammonium thiocyanates
NT2 thioureas
NT3 aet
NT3 thiourea
NT2 urea
NT1 coal tar bases
NT1 esters
NT2 acetylcholine
NT2 carbonic acid esters
NT2 carboxylic acid esters
NT3 acetic acid esters
NT4 methyl acetate
NT3 acetoacetic acid esters
NT3 acrylic acid esters
NT3 bromosulfophthalein
NT3 carbamic acid esters
NT3 citric acid esters
NT3 glucoheptonate
NT3 malathion
NT3 methacrylic acid esters
NT3 oxalic acid esters
NT3 phenolphthalein
NT3 retinoic acid
NT2 cellulose esters
NT3 nitrocellulose
NT2 isocyanic acid esters
NT2 lactones
NT3 coumarin
NT3 gibberellic acid
NT2 nitric acid esters
NT3 nitrocellulose
NT3 nitroglycerin
NT3 peroxyacetyl nitrate
NT3 petn
NT2 nitrous acid esters
NT2 phorbol esters
NT2 phosphinic acid esters
NT2 phospholipids
NT3 cardiolipin
NT3 lecithins
NT3 sphingomyelins
NT2 phosphonic acid esters
NT3 dampa
NT3 dhdecmp
NT2 phosphoric acid esters
NT3 butyl phosphates
NT4 dbp
NT4 mbp
NT4 tbp
NT3 hdehp
NT3 mdpa
NT3 phytic acid
NT3 tcp
NT2 phthalic acid esters
NT2 polyacrylates
NT3 lucite
NT3 perspex
NT3 plexiglas
NT3 pmma
NT2 polyesters
NT3 dacron
NT3 homalite
NT3 mylar
NT2 sulfonic acid esters
NT3 abs
NT3 ems
NT3 methyl methanesulfonate
NT3 petroleum sulfonates
NT2 sulfuric acid esters
NT2 thiophosphoric acid esters
NT3 cystaphos
NT3 gammaphos
NT3 parathion
NT2 triglycerides
NT3 corn oil
NT3 linseed oil
NT3 olive oil
NT3 peanut oil
NT3 soybean oil
NT3 triolein
NT1 heterocyclic compounds
NT2 azaarenes
NT3 acridines
NT4 acridine orange
NT4 flavines
NT5 acriflavine
NT5 proflavine
NT3 carbazoles
NT3 indoles
NT4 indigo
NT4 indocyanine green
NT4 lysergic acid
NT4 reserpine
NT4 strychnine
NT4 tryptamines
NT5 melatonin
NT5 serotonin
NT6 bufotenine
NT4 tryptophan
NT4 vinblastine
NT3 phenanthrolines
NT4 ferroin
NT4 phenanthroline-ortho
NT3 pteridines
NT4 aminopterin
NT4 folic acid
NT3 purines
NT4 adenines
NT5 kinetin
NT4 guanine
NT4 guanosine
NT4 hypoxanthine
NT4 inosine
NT4 mercaptopurine
NT4 xanthines
NT5 caffeine
NT5 theobromine
NT5 theophylline
NT5 uric acid
NT3 quinolines
NT4 ferron
NT4 oxine
NT4 quinaldine
NT2 azines
NT3 phenothiazines
NT4 chlorpromazine
NT4 methylene blue
NT3 pyrazines
NT4 phenazine
NT4 piperazines
NT3 pyridazines
NT4 phthalazines
NT5 luminol
NT3 pyridines
NT4 acridines
NT5 acridine orange
NT5 flavines
NT6 acriflavine
NT6 proflavine
NT4 bipyridines
NT4 nicotinamide
NT4 nicotine
NT4 nicotinic acid
NT4 pan
NT4 picolines
NT5 picolinic acid
NT4 piperidines
NT5 dipyridamole
NT5 pethidine
NT5 triacetoneamine-n-oxyl
NT4 pyridine
NT4 pyridinium compounds
NT4 pyridoxal
NT4 pyridoxine
NT4 pyridoxylideneglutamate
NT4 pyridylazoresorcinol
NT4 quinolines
NT5 ferron
NT5 oxine
NT5 quinaldine
NT3 pyrimidines
NT4 alloxan
NT4 barbiturates
NT5 nembutal
NT5 phenobarbital
NT4 cytidine
NT4 cytosine
NT4 deoxycytidine
NT4 thiamine
NT4 thymidine
NT4 uracils
NT5 bromouracils
NT6 budr
NT5 chlorouracils
NT5 deoxyuridine
NT5 fluorouracils
NT6 fudr
NT5 iodouracils
NT6 iododeoxyuridine
NT5 orotic acid
NT5 thiouracil
NT5 thymine
NT5 uridine
NT3 triazines
NT4 cyanurates
NT4 melamine
NT2 azoles
NT3 carbazoles
NT3 imidazoles
NT4 allantoin
NT4 benzimidazoles
NT4 biotin
NT4 creatinine
NT4 histamine
NT4 histidine
NT4 hydantoins
NT4 metronidazole
NT4 misonidazole
NT4 urocanic acid
NT3 oxadiazoles
NT3 oxazoles
NT4 benzoxazoles
NT4 popop
NT3 pyrazoles
NT4 indazoles
NT4 pyrazolines
NT5 antipyrine
NT3 pyrroles
NT4 bilirubin
NT4 indoles
NT5 indigo
NT5 indocyanine green
NT5 lysergic acid
NT5 reserpine

- **NT5** strychnine
- **NT5** tryptamines
  - **NT6** melatonin
  - **NT6** serotonin
    - **NT7** bufotenine
- **NT5** tryptophan
- **NT5** vinblastine
- **NT4** pyrrolidines
- **NT5** hydroxyproline
- **NT5** nicotine
- **NT5** proline
- **NT4** pyrrolidones
- **NT5** pvp
- **NT3** tetrazoles
- **NT4** tetrazolium
- **NT3** thiadiazoles
- **NT3** thiazoles
- **NT4** benzothiazoles
- **NT4** saccharin
- **NT4** thiamine
- **NT3** triazoles

NT2 bedt-ttf
NT2 dioxane
NT2 dioxin
NT2 furans

- **NT3** benzofurans
- **NT3** furfural
- **NT3** tetrahydrofuran
- **NT4** mthf

NT2 heterocyclic acids

- **NT3** bilirubin
- **NT3** biotin
- **NT3** histidine
- **NT3** hydroxyproline
- **NT3** lysergic acid
- **NT3** nicotinic acid
- **NT3** orotic acid
- **NT3** picolinic acid
- **NT3** porphyrins
- **NT4** chlorins
- **NT4** chlorophyll
- **NT4** hematoporphyrins
- **NT4** heme
- **NT4** hemoglobin
- **NT5** methemoglobin
- **NT4** hemosiderin
- **NT4** myoglobin
- **NT4** protoporphyrins
- **NT3** proline
- **NT3** rhodamines
- **NT3** thioctic acid
- **NT3** tryptophan
- **NT3** urocanic acid

NT2 heterocyclic oxygen compounds

- **NT3** pyrans
- **NT4** coumarin
- **NT4** hematoxylin
- **NT4** pyrones
- **NT4** quercetin
- **NT4** tetrahydropyran

NT2 imipramine
NT2 isoalloxazines

- **NT3** diaphorase

NT2 lactones

- **NT3** coumarin
- **NT3** gibberellic acid

NT2 morpholines
NT2 phthalocyanines
NT2 polycyclic sulfur heterocycles
NT2 psoralen
NT2 thionaphthenes
NT2 thionine
NT2 thiophene
NT2 tmtsf
NT2 trioxanes
NT2 tta
NT2 ttf
NT2 ttf-tcnq

NT1 hydroaromatics

NT2 tetralin

NT1 hydrocarbons

NT2 acenaphthene
NT2 alkanes

- **NT3** 2-2-dimethylpropane
- **NT3** 2-methylbutane
- **NT3** 2-methylpropane
- **NT3** butane
- **NT3** cycloalkanes
- **NT4** cyclohexane
- **NT4** decalin
- **NT3** decane
- **NT3** dodecane
- **NT3** ethane
- **NT3** heptane
- **NT3** hexadecane
- **NT3** hexane
- **NT3** methane
- **NT3** octane
- **NT3** paraffin
- **NT3** pentane
- **NT3** propane
- **NT3** squalane

NT2 alkenes

- **NT3** 2-methylpropene
- **NT3** butenes
- **NT3** cycloalkenes
- **NT4** cyclopentadiene
- **NT4** norbornadiene
- **NT4** quadricyclene
- **NT3** ethylene
- **NT3** heptenes
- **NT3** hexenes
- **NT3** octenes
- **NT3** pentenes
- **NT3** propylene

NT2 alkynes

- **NT3** acetylene
- **NT3** cycloalkynes
- **NT3** propyne

NT2 anthracene
NT2 azulene
NT2 benzanthracene
NT2 benzene
NT2 benzopyrene
NT2 biphenyl
NT2 carotenoids
NT2 chrysene
NT2 cumene
NT2 cymene
NT2 divinylbenzene
NT2 durene
NT2 fluorene
NT2 indan
NT2 indene
NT2 mesitylene
NT2 naphthalene
NT2 oligophenylenes
NT2 pentacene
NT2 phenanthrene
NT2 polycyclic aromatic hydrocarbons

- **NT3** 3-methylcholanthrene

NT2 polyenes

- **NT3** dienes
- **NT4** allene
- **NT4** butadiene
- **NT4** cyclopentadiene
- **NT4** ferrocene
- **NT4** isoprene
- **NT4** pentadienes
- **NT3** polyacetylenes
- **NT3** squalene

NT2 polyphenyls

- **NT3** terphenyls
- **NT4** terphenyl-ortho
- **NT4** terphenyl-para

NT2 pyrene
NT2 quaterphenyls
NT2 stilbene
NT2 styrene
NT2 tetracene
NT2 tetralin
NT2 tolan
NT2 toluene
NT2 triphenylene
NT2 xylenes

- **NT3** xylene-para

NT1 hydroxy compounds

NT2 alcohols

- **NT3** 2-methylpropanol
- **NT3** benzhydrol
- **NT3** benzyl alcohol
- **NT3** butanols
- **NT3** choline
- **NT3** cyclohexanol
- **NT3** decanols
- **NT3** enols
- **NT3** erythritol
- **NT3** ethanol
- **NT3** glycerol
- **NT3** glycols
- **NT4** butanediols
- **NT4** cellosolves
- **NT4** egta
- **NT4** pinacol
- **NT4** polyethylene glycols
- **NT5** carbowax
- **NT5** pluronics
- **NT3** hexanols
- **NT3** methanol
- **NT3** metronidazole
- **NT3** misonidazole
- **NT3** octanols
- **NT3** pentanols
- **NT3** propanols
- **NT3** pva

NT2 alizarin
NT2 androsterone
NT2 bph
NT2 carminic acid
NT2 chromotropic acid
NT2 corticosteroids

- **NT3** glucocorticoids
- **NT4** corticosterone
- **NT4** cortisone
- **NT4** dexamethasone
- **NT4** hydrocortisone
- **NT4** prednisolone
- **NT4** prednisone
- **NT3** mineralocorticoids
- **NT4** aldosterone

NT2 cupferron
NT2 ephedrine
NT2 estradiol
NT2 estriol
NT2 estrone
NT2 ferron
NT2 folic acid
NT2 guanine
NT2 hydroxamic acids

- **NT3** benzohydroxamic acid

NT2 hydroxyandrostenone
NT2 hydroxypregnenone
NT2 hydroxyurea
NT2 hypoxanthine
NT2 melanin
NT2 oximes

- **NT3** benzoinoxime
- **NT3** dimethylglyoxime

NT2 oxine
NT2 phenols

- **NT3** cresols
- **NT3** dinitrophenol
- **NT3** eriochrome dyes
- **NT3** naphthols
- **NT4** 1-nitroso-2-naphthol
- **NT4** nitroso-r salt
- **NT4** pan

- NT4 thorin
- NT4 trypan blue
- NT3 nitrophenol
- NT3 phenol
- NT3 phenolphthalein
- NT3 picric acid
- NT3 polyphenols
- NT4 arsenazo
- NT4 bromosulfophthalein
- NT4 catecholamines
- NT4 curcumin
- NT4 dopamine
- NT4 fluorescein
- NT5 erythrosine
- NT4 hematoxylin
- NT4 morin
- NT4 pyridylazoresorcinol
- NT4 pyrocatechol
- NT4 pyrogallol
- NT4 quercetin
- NT4 resorcinol
- NT4 stilbestrol
- NT4 tannic acid
- NT4 tiron
- NT3 pop
- NT3 thymol
- NT3 tyramine
- NT3 xylenols
- NT2 pyridoxine
- NT2 quinizarin
- NT2 rhodizonic acid
- NT2 serotonin
- NT3 bufotenine
- NT2 sterols
- NT3 bile acids
- NT4 cholic acid
- NT3 cholesterol
- NT3 ergosterol
- NT3 sitosterol
- NT2 testosterone
- NT2 thiamine
- NT2 uracils
- NT3 bromouracils
- NT4 budr
- NT3 chlorouracils
- NT3 deoxyuridine
- NT3 fluorouracils
- NT4 fudr
- NT3 iodouracils
- NT4 iododeoxyuridine
- NT3 orotic acid
- NT3 thiouracil
- NT3 thymine
- NT3 uridine

NT1 isoenzymes

NT1 ketones

- NT2 2-3-pentanedione
- NT2 acetone
- NT2 acetophenone
- NT2 acetylacetone
- NT2 androstenedione
- NT2 androsterone
- NT2 benzophenone
- NT2 camphor
- NT2 corticosteroids
- NT3 glucocorticoids
- NT4 corticosterone
- NT4 cortisone
- NT4 dexamethasone
- NT4 hydrocortisone
- NT4 prednisolone
- NT4 prednisone
- NT3 mineralocorticoids
- NT4 aldosterone
- NT2 curcumin
- NT2 cyclohexanone
- NT2 estrone
- NT2 fructose
- NT2 hydroxyandrostenone
- NT2 hydroxypregnenone
- NT2 methyl isobutyl ketone
- NT2 pop
- NT2 progesterone
- NT2 ribulose
- NT2 sorbose
- NT2 testosterone
- NT2 triacetoneamine-n-oxyl
- NT2 tropones
- NT2 tta

NT1 lipids

- NT2 glycolipids
- NT3 cerebrosides
- NT3 gangliosides
- NT2 lipopolysaccharides
- NT2 lipoproteins
- NT3 apolipoproteins
- NT3 myelin
- NT2 phospholipids
- NT3 cardiolipin
- NT3 lecithins
- NT3 sphingomyelins
- NT2 triglycerides
- NT3 corn oil
- NT3 linseed oil
- NT3 olive oil
- NT3 peanut oil
- NT3 soybean oil
- NT3 triolein

NT1 nucleic acids

- NT2 dna
- NT3 contigs
- NT3 oligonucleotides
- NT3 recombinant dna
- NT2 rna
- NT3 messenger-rna
- NT3 ribosomal rna
- NT3 transfer rna

NT1 nucleotides

- NT2 adenylic acid
- NT2 adp
- NT2 amp
- NT2 atp
- NT2 cytidylic acid
- NT2 guanylic acid
- NT2 nad
- NT2 nadh2
- NT2 nadp
- NT2 nucleosides
- NT3 adenosine
- NT3 budr
- NT3 cytidine
- NT3 deoxycytidine
- NT3 deoxyuridine
- NT3 fudr
- NT3 guanosine
- NT3 inosine
- NT3 iododeoxyuridine
- NT3 thymidine
- NT3 uridine
- NT2 thymidylic acid
- NT2 udpg
- NT2 ump
- NT2 uridylic acid
- NT2 utp

NT1 organic acids

- NT2 arsonic acids
- NT3 arsenazo
- NT2 boronic acids
- NT2 carboxylic acids
- NT3 amino acids
- NT4 alanines
- NT5 alanine-alpha
- NT6 alanine-l
- NT5 alanine-beta
- NT4 aminobutyric acid
- NT4 aminolevulinic acid
- NT4 anthranilic acid
- NT4 arginine
- NT4 asparagine
- NT4 aspartic acid
- NT4 betaine
- NT4 carnitine
- NT4 cdta
- NT4 citrulline
- NT4 creatine
- NT4 cysteine
- NT4 cystine
- NT4 dcta
- NT4 diiodotyrosine
- NT4 dopa
- NT4 dtpa
- NT4 eddha
- NT4 edta
- NT4 ethionine
- NT4 folic acid
- NT4 glutamic acid
- NT5 pyridoxylideneglutamate
- NT4 glutamine
- NT4 glycine
- NT4 glycylglycine
- NT4 hedta
- NT4 heida
- NT4 hippuric acid
- NT4 histidine
- NT4 homocysteine
- NT4 hydroxyproline
- NT4 hydroxytryptophan
- NT4 kynurenine
- NT4 leucine
- NT4 lysine
- NT4 methionine
- NT4 methyl red
- NT4 methyl tyrosine
- NT4 mimosine
- NT4 mpg
- NT4 nta
- NT4 ornithine
- NT4 paba
- NT4 pantothenic acid
- NT4 penicillamine
- NT4 phenylalanine
- NT4 phosphocreatine
- NT4 proline
- NT4 sarcosine
- NT4 serine
- NT4 tetaha
- NT4 threonine
- NT4 thyronine
- NT4 thyroxine
- NT4 tryptophan
- NT4 tyrosine
- NT4 valine
- NT3 bile acids
- NT4 cholic acid
- NT3 carminic acid
- NT3 dicarboxylic acids
- NT4 adipic acid
- NT4 fumaric acid
- NT4 glutaric acid
- NT4 itaconic acid
- NT4 maleic acid
- NT4 malonic acid
- NT4 oxalic acid
- NT4 phthalic acid
- NT4 sebacic acid
- NT4 succinic acid
- NT4 terephthalic acid
- NT3 egta
- NT3 glyoxylic acid
- NT3 heterocyclic acids
- NT4 bilirubin
- NT4 biotin
- NT4 histidine
- NT4 hydroxyproline
- NT4 lysergic acid
- NT4 nicotinic acid
- NT4 orotic acid

NT4 picolinic acid
NT4 porphyrins
NT5 chlorins
NT5 chlorophyll
NT5 hematoporphyrins
NT5 heme
NT5 hemoglobin
NT6 methemoglobin
NT5 hemosiderin
NT5 myoglobin
NT5 protoporphyrins
NT4 proline
NT4 rhodamines
NT4 thioctic acid
NT4 tryptophan
NT4 urocanic acid
NT3 hydroxy acids
NT4 acetylsalicylic acid
NT4 benzilic acid
NT4 carnitine
NT4 citric acid
NT4 diiodotyrosine
NT4 dopa
NT4 eddha
NT4 eosin
NT4 fluorescein
NT5 erythrosine
NT4 galacturonic acid
NT4 gallic acid
NT4 gibberellic acid
NT4 gluconic acid
NT4 glucuronic acid
NT4 glyceric acid
NT4 glycolic acid
NT4 hedta
NT4 heida
NT4 hydroxyproline
NT4 hydroxytryptophan
NT4 lactic acid
NT4 malic acid
NT4 mandelic acid
NT4 methyl tyrosine
NT4 mevalonic acid
NT4 pantothenic acid
NT4 rose bengal
NT4 salicylic acid
NT4 serine
NT4 shikimic acid
NT4 tartaric acid
NT4 threonine
NT4 thyronine
NT4 tyrosine
NT3 keto acids
NT4 acetoacetic acid
NT4 kynurenine
NT4 levulinic acid
NT4 pyruvic acid
NT3 mellitic acid
NT3 monocarboxylic acids
NT4 abscisic acid
NT4 acetic acid
NT4 acrylic acid
NT4 arachidonic acid
NT4 benzoic acid
NT4 butyric acid
NT4 chlorambucil
NT4 cinnamic acid
NT4 crotonic acid
NT4 decanoic acid
NT4 dodecanoic acid
NT4 eicosanoic acid
NT4 formic acid
NT4 glycolic acid
NT4 heptanoic acid
NT4 hexadecanoic acid
NT4 hexanoic acid
NT4 isobutyric acid
NT4 isovaleric acid
NT4 linoleic acid
NT4 linolenic acid
NT4 methacrylic acid
NT4 nicotinic acid
NT4 nonanoic acid
NT4 octadecanoic acid
NT4 octanoic acid
NT4 oleic acid
NT4 pethidine
NT4 pivalic acid
NT4 propionic acid
NT4 sorbic acid
NT4 tetradecanoic acid
NT4 uronic acids
NT4 valeric acid
NT3 tannic acid
NT2 coal tar acids
NT2 fulvic acids
NT2 humic acids
NT2 mdpa
NT2 phosphinic acids
NT2 phosphonic acids
NT2 phytic acid
NT2 shale tar acids
NT2 sulfonic acids
NT3 arsenazo
NT3 bromosulfophthalein
NT3 chromotropic acid
NT3 eriochrome dyes
NT3 evans blue
NT3 ferron
NT3 methyl orange
NT3 nitroso-r salt
NT3 sulfanilic acid
NT3 taurine
NT3 thorin
NT3 tiron
NT3 trypan blue
NT3 unithiol
NT2 thioic acids
NT1 organic arsenic compounds
NT2 arsonic acids
NT3 arsenazo
NT1 organic boron compounds
NT2 carboranes
NT1 organic halogen compounds
NT2 halogenated alicyclic hydrocarbons
NT3 chlorinated alicyclic hydrocarbons
NT4 lindane
NT3 fluorinated alicyclic hydrocarbons
NT3 iodinated alicyclic hydrocarbons
NT2 halogenated aliphatic hydrocarbons
NT3 brominated aliphatic hydrocarbons
NT4 bromoform
NT4 methyl bromide
NT3 chlorinated aliphatic hydrocarbons
NT4 carbon tetrachloride
NT4 chloroform
NT4 methyl chloride
NT4 pvc
NT4 vinyl chloride
NT3 fluorinated aliphatic hydrocarbons
NT4 carbon tetrafluoride
NT4 fluoroform
NT4 methyl fluoride
NT4 polytetrafluoroethylene
NT5 teflon
NT4 tedlar
NT3 freons
NT3 iodinated aliphatic hydrocarbons
NT4 iodoform
NT4 methyl iodide
NT2 halogenated aromatic hydrocarbons
NT3 brominated aromatic hydrocarbons
NT3 chlorinated aromatic hydrocarbons
NT4 aldrin
NT4 polychlorinated biphenyls
NT3 fluorinated aromatic hydrocarbons
NT3 iodinated aromatic hydrocarbons
NT2 organic bromine compounds
NT3 brominated aliphatic hydrocarbons
NT4 bromoform
NT4 methyl bromide
NT3 brominated aromatic hydrocarbons
NT3 bromosulfophthalein
NT3 bromouracils
NT4 budr
NT3 eosin
NT2 organic chlorine compounds
NT3 chloral
NT3 chlorambucil
NT3 chloramines
NT3 chloranil
NT3 chlorinated alicyclic hydrocarbons
NT4 lindane
NT3 chlorinated aliphatic hydrocarbons
NT4 carbon tetrachloride
NT4 chloroform
NT4 methyl chloride
NT4 pvc
NT4 vinyl chloride
NT3 chlorinated aromatic hydrocarbons
NT4 aldrin
NT4 polychlorinated biphenyls
NT3 chlorofluorocarbons
NT3 chlorouracils
NT3 chlorpromazine
NT3 ddt
NT3 kel-f
NT3 methylene chloride
NT3 neoprene
NT3 nitrogen mustard
NT3 phosgene
NT3 rose bengal
NT2 organic fluorine compounds
NT3 chlorofluorocarbons
NT3 fluorinated alicyclic hydrocarbons
NT3 fluorinated aliphatic hydrocarbons
NT4 carbon tetrafluoride
NT4 fluoroform
NT4 methyl fluoride
NT4 polytetrafluoroethylene
NT5 teflon
NT4 tedlar
NT3 fluorinated aromatic hydrocarbons
NT3 fluorouracils
NT4 fudr
NT3 kel-f
NT3 tta
NT2 organic iodine compounds
NT3 diiodotyrosine
NT3 erythrosine
NT3 ferron
NT3 iodinated alicyclic hydrocarbons
NT3 iodinated aliphatic hydrocarbons
NT4 iodoform
NT4 methyl iodide
NT3 iodinated aromatic hydrocarbons
NT3 iodouracils
NT4 iododeoxyuridine
NT3 lipiodol
NT3 mibg
NT3 pbi
NT3 rose bengal
NT3 thyroxine
NT1 organic mercury compounds
NT2 methylmercury

NT1 organic nitrogen compounds
NT2 amides
NT3 acetamide
NT3 acrylamide
NT3 asparagine
NT3 formamide
NT3 glutamine
NT3 hydroxyurea
NT3 lactams
NT4 pyrrolidones
NT5 pvp
NT3 metrizamide
NT3 nicotinamide
NT3 sulfenamides
NT3 sulfonamides
NT3 thionalide
NT3 urea
NT2 amidines
NT2 azaarenes
NT3 acridines
NT4 acridine orange
NT4 flavines
NT5 acriflavine
NT5 proflavine
NT3 carbazoles
NT3 indoles
NT4 indigo
NT4 indocyanine green
NT4 lysergic acid
NT4 reserpine
NT4 strychnine
NT4 tryptamines
NT5 melatonin
NT5 serotonin
NT6 bufotenine
NT4 tryptophan
NT4 vinblastine
NT3 phenanthrolines
NT4 ferroin
NT4 phenanthroline-ortho
NT3 pteridines
NT4 aminopterin
NT4 folic acid
NT3 purines
NT4 adenines
NT5 kinetin
NT4 guanine
NT4 guanosine
NT4 hypoxanthine
NT4 inosine
NT4 mercaptopurine
NT4 xanthines
NT5 caffeine
NT5 theobromine
NT5 theophylline
NT5 uric acid
NT3 quinolines
NT4 ferron
NT4 oxine
NT4 quinaldine
NT2 azido compounds
NT2 azines
NT3 phenothiazines
NT4 chlorpromazine
NT4 methylene blue
NT3 pyrazines
NT4 phenazine
NT4 piperazines
NT3 pyridazines
NT4 phthalazines
NT5 luminol
NT3 pyridines
NT4 acridines
NT5 acridine orange
NT5 flavines
NT6 acriflavine
NT6 proflavine
NT4 bipyridines
NT4 nicotinamide
NT4 nicotine
NT4 nicotinic acid
NT4 pan
NT4 picolines
NT5 picolinic acid
NT4 piperidines
NT5 dipyridamole
NT5 pethidine
NT5 triacetoneamine-n-oxyl
NT4 pyridine
NT4 pyridinium compounds
NT4 pyridoxal
NT4 pyridoxine
NT4 pyridoxylideneglutamate
NT4 pyridylazoresorcinol
NT4 quinolines
NT5 ferron
NT5 oxine
NT5 quinaldine
NT3 pyrimidines
NT4 alloxan
NT4 barbiturates
NT5 nembutal
NT5 phenobarbital
NT4 cytidine
NT4 cytosine
NT4 deoxycytidine
NT4 thiamine
NT4 thymidine
NT4 uracils
NT5 bromouracils
NT6 budr
NT5 chlorouracils
NT5 deoxyuridine
NT5 fluorouracils
NT6 fudr
NT5 iodouracils
NT6 iododeoxyuridine
NT5 orotic acid
NT5 thiouracil
NT5 thymine
NT5 uridine
NT3 triazines
NT4 cyanurates
NT4 melamine
NT2 azo compounds
NT3 arsenazo
NT3 azo dyes
NT4 eriochrome dyes
NT4 evans blue
NT4 methyl orange
NT4 methyl red
NT4 toluidine blue
NT4 trypan blue
NT2 azoles
NT3 carbazoles
NT3 imidazoles
NT4 allantoin
NT4 benzimidazoles
NT4 biotin
NT4 creatinine
NT4 histamine
NT4 histidine
NT4 hydantoins
NT4 metronidazole
NT4 misonidazole
NT4 urocanic acid
NT3 oxadiazoles
NT3 oxazoles
NT4 benzoxazoles
NT4 popop
NT3 pyrazoles
NT4 indazoles
NT4 pyrazolines
NT5 antipyrine
NT3 pyrroles
NT4 bilirubin
NT4 indoles
NT5 indigo
NT5 indocyanine green
NT5 lysergic acid
NT5 reserpine
NT5 strychnine
NT5 tryptamines
NT6 melatonin
NT6 serotonin
NT7 bufotenine
NT5 tryptophan
NT5 vinblastine
NT4 pyrrolidines
NT5 hydroxyproline
NT5 nicotine
NT5 proline
NT4 pyrrolidones
NT5 pvp
NT3 tetrazoles
NT4 tetrazolium
NT3 thiadiazoles
NT3 thiazoles
NT4 benzothiazoles
NT4 saccharin
NT4 thiamine
NT3 triazoles
NT2 carbamates
NT3 dedtc
NT3 urethane
NT2 carbazides
NT2 carbazones
NT3 dithizone
NT2 cyanamides
NT2 diazo compounds
NT3 pan
NT3 pyridylazoresorcinol
NT3 thorin
NT2 dpca
NT2 gangliosides
NT2 guanidines
NT3 mibg
NT2 hydrazides
NT3 isoniazid
NT2 hydrazones
NT2 imides
NT3 nem
NT2 imines
NT3 creatinine
NT3 schiff bases
NT2 imipramine
NT2 isoalloxazines
NT3 diaphorase
NT2 melanin
NT2 morpholines
NT2 nitriles
NT3 acetonitrile
NT3 acrylonitrile
NT3 propiolonitrile
NT3 ttf-tcnq
NT2 nitro compounds
NT3 dinitrophenol
NT3 dpph
NT3 metronidazole
NT3 misonidazole
NT3 nitrobenzene
NT3 nitromethane
NT3 nitrophenol
NT3 picric acid
NT3 polycyclic nitro compounds
NT3 tetryl
NT3 tnt
NT2 nitroso compounds
NT3 1-nitroso-2-naphthol
NT3 methyl nitrosourea
NT3 nitrosamines
NT3 nitroso-r salt
NT3 nitrosoureas
NT2 oximes
NT3 benzoinoxime
NT3 dimethylglyoxime
NT2 parathion

- **NT2** porphyrins
  - **NT3** chlorins
  - **NT3** chlorophyll
  - **NT3** hematoporphyrins
  - **NT3** heme
  - **NT3** hemoglobin
    - **NT4** methemoglobin
  - **NT3** hemosiderin
  - **NT3** myoglobin
  - **NT3** protoporphyrins
- **NT2** semicarbazides
- **NT2** semicarbazones
- **NT2** tamoxifen
- **NT2** thionine

NT1 organic oxygen compounds
- **NT2** allantoin
- **NT2** alloxan
- **NT2** barbiturates
  - **NT3** nembutal
  - **NT3** phenobarbital
- **NT2** benzoyl peroxide
- **NT2** cyanurates
- **NT2** cytosine
- **NT2** dioxane
- **NT2** dioxin
- **NT2** epoxides
  - **NT3** araldite
- **NT2** ethers
  - **NT3** acetals
    - **NT4** acetal
  - **NT3** anisole
  - **NT3** butyl ether
  - **NT3** cellosolves
  - **NT3** crown ethers
  - **NT3** curcumin
  - **NT3** dme
  - **NT3** ethyl ether
  - **NT3** isopropyl ether
  - **NT3** methyl ether
  - **NT3** methylal
  - **NT3** mexamine
  - **NT3** morpholines
  - **NT3** phenyl ether
- **NT2** flavenoids
  - **NT3** flavones
    - **NT4** morin
    - **NT4** quercetin
- **NT2** furans
  - **NT3** benzofurans
  - **NT3** furfural
  - **NT3** tetrahydrofuran
    - **NT4** mthf
- **NT2** heterocyclic oxygen compounds
  - **NT3** pyrans
    - **NT4** coumarin
    - **NT4** hematoxylin
    - **NT4** pyrones
    - **NT4** quercetin
    - **NT4** tetrahydropyran
- **NT2** isoalloxazines
  - **NT3** diaphorase
- **NT2** ketenes
- **NT2** malathion
- **NT2** oxadiazoles
- **NT2** oxazoles
  - **NT3** benzoxazoles
  - **NT3** popop
- **NT2** psoralen
- **NT2** pyridoxal
- **NT2** quinones
  - **NT3** anthraquinones
    - **NT4** alizarin
    - **NT4** carminic acid
    - **NT4** quinizarin
  - **NT3** benzoquinones
    - **NT4** chloranil
    - **NT4** chloranilic acid
    - **NT4** plastoquinone
    - **NT4** ubiquinone
  - **NT3** rhodizonic acid
  - **NT3** vitamin k
- **NT2** rhodamines
- **NT2** saccharin
- **NT2** semicarbazides
- **NT2** triacetoneamine-n-oxyl
- **NT2** trioxanes
- **NT2** xanthines
  - **NT3** caffeine
  - **NT3** theobromine
  - **NT3** theophylline
  - **NT3** uric acid

NT1 organic phosphorus compounds
- **NT2** casein
- **NT2** cmpo
- **NT2** cystaphos
- **NT2** malathion
- **NT2** parathion
- **NT2** phosphinic acid esters
- **NT2** phosphinic acids
- **NT2** phosphocreatine
- **NT2** phospholipids
  - **NT3** cardiolipin
  - **NT3** lecithins
  - **NT3** sphingomyelins
- **NT2** phosphonates
- **NT2** phosphonic acid esters
  - **NT3** dampa
  - **NT3** dhdecmp
- **NT2** phosphonic acids
- **NT2** phosphoric acid esters
  - **NT3** butyl phosphates
    - **NT4** dbp
    - **NT4** mbp
    - **NT4** tbp
  - **NT3** hdehp
  - **NT3** mdpa
  - **NT3** phytic acid
  - **NT3** tcp
- **NT2** tbpo
- **NT2** topo
- **NT2** tops
- **NT2** tpo
- **NT2** udpg

NT1 organic polymers
- **NT2** araldite
- **NT2** copolymers
- **NT2** graft polymers
- **NT2** neoprene
- **NT2** plastic foams
- **NT2** plastics
  - **NT3** aramids
  - **NT3** bakelite
  - **NT3** formvar
  - **NT3** lucite
  - **NT3** mylar
  - **NT3** nylon
  - **NT3** perspex
  - **NT3** plexiglas
  - **NT3** polystyrene
  - **NT3** polyurethanes
    - **NT4** halthane
  - **NT3** reinforced plastics
  - **NT3** tedlar
  - **NT3** teflon
  - **NT3** thermoplastics
- **NT2** polyacetals
  - **NT3** formvar
  - **NT3** polyoxymethylenes
- **NT2** polyacetylenes
- **NT2** polyamides
  - **NT3** nylon
  - **NT3** polyurethanes
    - **NT4** halthane
- **NT2** polycarbonates
- **NT2** polyesters
  - **NT3** dacron
  - **NT3** homalite
  - **NT3** mylar
- **NT2** polyethylene glycols
  - **NT3** carbowax
  - **NT3** pluronics
- **NT2** polyisoprene
- **NT2** polyolefins
  - **NT3** polyethylenes
    - **NT4** kel-f
    - **NT4** polytetrafluoroethylene
      - **NT5** teflon
  - **NT3** polypropylene
  - **NT3** polystyrene
  - **NT3** polystyrene-dvb
- **NT2** polyvinyls
  - **NT3** polyacrylates
    - **NT4** lucite
    - **NT4** perspex
    - **NT4** plexiglas
    - **NT4** pmma
  - **NT3** polystyrene
  - **NT3** pva
  - **NT3** pvc
  - **NT3** pvp
  - **NT3** tedlar
- **NT2** resins
- **NT2** rubbers
  - **NT3** buna
  - **NT3** latex
  - **NT3** natural rubber
  - **NT3** silastic
  - **NT3** viton
- **NT2** textolite

NT1 organic silicon compounds
- **NT2** silanes
- **NT2** siloxanes
  - **NT3** silicones
    - **NT4** silastic

NT1 organic sulfur compounds
- **NT2** bedt-ttf
- **NT2** biotin
- **NT2** cystamine
- **NT2** dedtc
- **NT2** dimethyl sulfide
- **NT2** disulfides
  - **NT3** cystine
  - **NT3** thioctic acid
- **NT2** dithizone
- **NT2** ethionine
- **NT2** heparin
- **NT2** isothiocyanates
- **NT2** methionine
- **NT2** phenothiazines
  - **NT3** chlorpromazine
  - **NT3** methylene blue
- **NT2** polycyclic sulfur heterocycles
- **NT2** sulfenamides
- **NT2** sulfonamides
- **NT2** sulfonates
  - **NT3** indocyanine green
  - **NT3** petroleum sulfonates
- **NT2** sulfones
- **NT2** sulfonic acid esters
  - **NT3** abs
  - **NT3** ems
  - **NT3** methyl methanesulfonate
  - **NT3** petroleum sulfonates
- **NT2** sulfonic acids
  - **NT3** arsenazo
  - **NT3** bromosulfophthalein
  - **NT3** chromotropic acid
  - **NT3** eriochrome dyes
  - **NT3** evans blue
  - **NT3** ferron
  - **NT3** methyl orange
  - **NT3** nitroso-r salt
  - **NT3** sulfanilic acid
  - **NT3** taurine
  - **NT3** thorin
  - **NT3** tiron
  - **NT3** trypan blue

- **NT3** unithiol
- **NT2** sulfoxides
- **NT3** dmso
- **NT3** dpso
- **NT2** sulfuric acid esters
- **NT2** thiadiazoles
- **NT2** thiazoles
- **NT3** benzothiazoles
- **NT3** saccharin
- **NT3** thiamine
- **NT2** thiocyanates
- **NT3** ammonium thiocyanates
- **NT2** thioic acids
- **NT2** thiols
- **NT3** cysteine
- **NT3** dithiols
- **NT4** bal
- **NT4** unithiol
- **NT3** malathion
- **NT3** mea
- **NT3** meg
- **NT3** mercaptopurine
- **NT3** mpg
- **NT3** penicillamine
- **NT3** thionalide
- **NT3** thiouracil
- **NT2** thionaphthenes
- **NT2** thionates
- **NT2** thionine
- **NT2** thionyl chlorides
- **NT2** thiophene
- **NT2** thiophenols
- **NT2** thioureas
- **NT3** aet
- **NT3** thiourea
- **NT2** tops
- **NT2** tta
- **NT2** ttf
- **NT2** ttf-tcnq
- **NT2** xanthates
- **NT3** viscose

NT1 organometallic compounds
- **NT2** grignard reagents
- **NT2** lactoferrin
- **NT2** tel

NT1 other organic compounds
- **NT2** amber
- **NT2** asphaltite
- **NT2** oils
- **NT3** coal tar oils
- **NT3** essential oils
- **NT3** fish oil
- **NT3** insulating oils
- **NT3** lipiodol
- **NT3** lubricating oils
- **NT3** pyrolytic oils
- **NT3** road oils
- **NT3** shale tar oils
- **NT3** tall oil
- **NT3** triolein
- **NT3** vegetable oils
- **NT4** castor oil
- **NT4** corn oil
- **NT4** cottonseed oil
- **NT4** linseed oil
- **NT4** olive oil
- **NT4** palm oil
- **NT4** peanut oil
- **NT4** sesame oil
- **NT4** soybean oil
- **NT4** sunflower oil
- **NT3** waste oils
- **NT3** wood oils
- **NT2** pitches
- **NT2** soaps
- **NT2** tar
- **NT3** bitumens
- **NT4** asphalts
- **NT4** coal tar
- **NT4** thucholite
- **NT3** shale tar
- **NT2** waxes
- **NT3** carbowax
- **NT3** paraffin

NT1 proteins
- **NT2** actin
- **NT2** albumins
- **NT3** luciferin
- **NT2** blood coagulation factors
- **NT3** fibrin
- **NT3** fibrinogen
- **NT3** kallikrein
- **NT3** plasminogen
- **NT3** prothrombin
- **NT3** thrombin
- **NT3** thromboplastin
- **NT3** urokinase
- **NT2** calmodulin
- **NT2** casein
- **NT2** chlorophyll-binding proteins
- **NT2** complement
- **NT2** cytochromes
- **NT2** enzymes
- **NT3** dna helicases
- **NT3** gene recombination proteins
- **NT3** hydrolases
- **NT4** acid anhydrases
- **NT5** gtp-ases
- **NT5** phosphohydrolases
- **NT6** atp-ase
- **NT4** esterases
- **NT5** carboxylesterases
- **NT6** cholinesterase
- **NT6** lipases
- **NT5** phosphatases
- **NT6** acid phosphatase
- **NT6** alkaline phosphatase
- **NT6** nucleotidases
- **NT5** phosphodiesterases
- **NT6** nucleases
- **NT7** dna-ase
- **NT8** endonucleases
- **NT7** rna-ase
- **NT4** glycosyl hydrolases
- **NT5** o-glycosyl hydrolases
- **NT6** amylase
- **NT6** cellulase
- **NT6** galactosidase
- **NT6** glucosidase
- **NT6** glucuronidase
- **NT6** hyaluronidase
- **NT6** lysozyme
- **NT6** xylanase
- **NT4** non-peptide c-n hydrolases
- **NT5** amidases
- **NT6** arginase
- **NT6** urease
- **NT5** amidinases
- **NT4** peptide hydrolases
- **NT5** acid proteinases
- **NT6** pepsin
- **NT5** aminopeptidases
- **NT5** carboxypeptidases
- **NT5** nonspecific peptidases
- **NT6** renin
- **NT6** urokinase
- **NT5** serine proteinases
- **NT6** chymotrypsin
- **NT6** fibrinolysin
- **NT6** kallikrein
- **NT6** thrombin
- **NT6** trypsin
- **NT5** sh-proteinases
- **NT6** cathepsins
- **NT6** papain
- **NT6** streptococcal proteinase
- **NT3** isomerases
- **NT3** ligases
- **NT3** lyases
- **NT4** carbon-carbon lyases
- **NT5** aldehyde-lyases
- **NT5** aldolases
- **NT5** carboxy-lyases
- **NT6** carboxylase
- **NT6** decarboxylases
- **NT6** ribulose diphosphate carboxylase
- **NT4** carbon-oxygen lyases
- **NT5** hyaluronidase
- **NT5** hydro-lyases
- **NT6** carbonic anhydrase
- **NT4** cyclases
- **NT4** dna methylases
- **NT3** oxidoreductases
- **NT4** amine oxidases
- **NT4** aryl 4-monooxygenase
- **NT4** diaphorase
- **NT4** hemiacetal dehydrogenases
- **NT5** alcohol dehydrogenase
- **NT5** lactate dehydrogenase
- **NT4** hydrogenases
- **NT4** hydroxylases
- **NT5** tyrosinase
- **NT4** nitro-group dehydrogenases
- **NT5** nitrogenase
- **NT4** oxidases
- **NT5** cytochrome oxidase
- **NT5** luciferase
- **NT4** oxygenases
- **NT5** mixed-function oxidases
- **NT4** peroxidases
- **NT5** catalase
- **NT4** superoxide dismutase
- **NT3** transferases
- **NT4** carbon-group transferases
- **NT5** methyl transferases
- **NT4** glycosyl transferases
- **NT5** hexosyl transferases
- **NT5** pentosyl transferases
- **NT6** hypoxanthine phosphoribosyltransferase
- **NT4** nitrogen transferases
- **NT5** aminotransferases
- **NT4** phosphorus-group transferases
- **NT5** nucleotidyltransferases
- **NT6** polymerases
- **NT7** dna polymerases
- **NT7** rna polymerases
- **NT5** phosphotransferases
- **NT6** hexokinase

NT2 gelatin

NT2 globins
- **NT3** hemoglobin
- **NT4** methemoglobin
- **NT3** myoglobin

NT2 globulins
- **NT3** angiotensin
- **NT3** fibrinogen
- **NT3** globulins-alpha
- **NT4** ceruloplasmin
- **NT4** haptoglobins
- **NT3** globulins-beta
- **NT4** transferrin
- **NT3** globulins-gamma
- **NT3** immunoglobulins
- **NT3** lactoferrin
- **NT3** myosin
- **NT3** thyroglobulin

NT2 glycoproteins
- **NT3** avidin
- **NT3** glucoproteins
- **NT4** lactoferrin
- **NT4** ovalbumin
- **NT3** lh

NT2 growth factors
- **NT3** lymphokines
- **NT4** interferon

NT2 heat-shock proteins
NT2 histones
NT2 lipoproteins
NT3 apolipoproteins
NT3 myelin
NT2 membrane proteins
NT3 porins
NT3 receptors
NT3 thylakoid membrane proteins
NT4 phycobiliproteins
NT5 phycocyanin
NT2 metalloproteins
NT3 ceruloplasmin
NT3 ferredoxin
NT3 ferritin
NT3 hemocyanin
NT3 hemosiderin
NT3 lactoferrin
NT3 metallothionein
NT3 rubredoxin
NT3 transferrin
NT2 mucoproteins
NT3 haptoglobins
NT3 intrinsic factor
NT3 phytohemagglutinin
NT2 nucleoproteins
NT2 pbi
NT2 peptide hormones
NT3 calcitonin
NT3 erythropoietin
NT3 gastrin
NT3 glucagon
NT3 insulin
NT3 leptin
NT3 parathormone
NT3 pituitary hormones
NT4 acth
NT4 gonadotropins
NT5 fsh
NT5 hcg
NT5 lh
NT5 lth
NT4 liberins
NT5 lh-rh
NT4 oxytocin
NT4 sth
NT4 tsh
NT4 vasopressin
NT3 secretin
NT3 thyroid hormones
NT4 diiodothyronine
NT4 thyrocalcitonin
NT4 thyroxine
NT4 triiodothyronine
NT3 thyronine
NT3 trh
NT2 peptides
NT3 cyclosporine
NT3 glycylglycine
NT3 polypeptides
NT4 calcitonin
NT4 endorphins
NT5 enkephalins
NT4 endothelins
NT4 gastrin
NT4 glucagon
NT4 glutathione
NT4 kinins
NT5 bradykinin
NT4 leptin
NT2 peptone
NT2 phosphoproteins
NT2 phytochromes
NT3 chlorophyll
NT2 protamines
NT2 rhodopsin
NT2 scleroproteins
NT3 collagen
NT3 fibrin
NT3 glutin
NT3 keratin
NT2 transcription factors
NT2 tropomyosin
NT2 zein
NT1 shale tar bases
NT1 steroids
NT2 androstanes
NT3 androgens
NT4 androstenedione
NT4 androsterone
NT4 hydroxyandrostenone
NT4 testosterone
NT2 estranes
NT3 estradiol
NT3 estriol
NT3 estrone
NT2 pregnanes
NT3 corticosteroids
NT4 glucocorticoids
NT5 corticosterone
NT5 cortisone
NT5 dexamethasone
NT5 hydrocortisone
NT5 prednisolone
NT5 prednisone
NT4 mineralocorticoids
NT5 aldosterone
NT3 hydroxypregnenone
NT3 progesterone
NT2 sterols
NT3 bile acids
NT4 cholic acid
NT3 cholesterol
NT3 ergosterol
NT3 sitosterol
NT1 terpenes
NT2 camphor
NT2 carotenoids
NT2 squalene
NT2 turpentine
RT chemical feedstocks
RT clathrates
RT organic semiconductors
RT organic superconductors
RT polar compounds
RT translocation

ORGANIC COOLANTS

BT1 coolants
RT aromatics
RT organic cooled reactors
RT polyphenyls
RT refrigerants

organic cooled and heavy water moderated chalk river reactor

Use zed-2 reactor

organic cooled and moderated reactor

Use omr type reactors

organic cooled heavy water moderated chalk river reactor

Use zed-2 reactor

ORGANIC COOLED REACTORS

BT1 reactors
NT1 eco reactor
NT1 eocr reactor
NT1 essor reactor
NT1 lwor type reactors
NT1 omr type reactors
NT2 arbus reactor
NT2 omre reactor
NT2 pnpf reactor
NT1 wr-1 reactor
NT1 zed-2 reactor
RT organic coolants

ORGANIC CRYSTAL PHOSPHORS

BT1 phosphors
RT anthracene
RT solid scintillation detectors
RT stilbene

ORGANIC FLUORINE COMPOUNDS

UF *fluorinated hydrocarbons*
*BT1 organic halogen compounds
NT1 chlorofluorocarbons
NT1 fluorinated alicyclic hydrocarbons
NT1 fluorinated aliphatic hydrocarbons
NT2 carbon tetrafluoride
NT2 fluoroform
NT2 methyl fluoride
NT2 polytetrafluoroethylene
NT3 teflon
NT2 tedlar
NT1 fluorinated aromatic hydrocarbons
NT1 fluorouracils
NT2 fudr
NT1 kel-f
NT1 tta
RT fluorine compounds

ORGANIC HALOGEN COMPOUNDS

UF *halogenated hydrocarbons*
BT1 organic compounds
NT1 halogenated alicyclic hydrocarbons
NT2 chlorinated alicyclic hydrocarbons
NT3 lindane
NT2 fluorinated alicyclic hydrocarbons
NT2 iodinated alicyclic hydrocarbons
NT1 halogenated aliphatic hydrocarbons
NT2 brominated aliphatic hydrocarbons
NT3 bromoform
NT3 methyl bromide
NT2 chlorinated aliphatic hydrocarbons
NT3 carbon tetrachloride
NT3 chloroform
NT3 methyl chloride
NT3 pvc
NT3 vinyl chloride
NT2 fluorinated aliphatic hydrocarbons
NT3 carbon tetrafluoride
NT3 fluoroform
NT3 methyl fluoride
NT3 polytetrafluoroethylene
NT4 teflon
NT3 tedlar
NT2 freons
NT2 iodinated aliphatic hydrocarbons
NT3 iodoform
NT3 methyl iodide
NT1 halogenated aromatic hydrocarbons
NT2 brominated aromatic hydrocarbons
NT2 chlorinated aromatic hydrocarbons
NT3 aldrin
NT3 polychlorinated biphenyls
NT2 fluorinated aromatic hydrocarbons
NT2 iodinated aromatic hydrocarbons
NT1 organic bromine compounds
NT2 brominated aliphatic hydrocarbons
NT3 bromoform
NT3 methyl bromide
NT2 brominated aromatic hydrocarbons
NT2 bromosulfophthalein
NT2 bromouracils
NT3 budr
NT2 eosin
NT1 organic chlorine compounds
NT2 chloral
NT2 chlorambucil
NT2 chloramines
NT2 chloranil

NT2 chlorinated alicyclic hydrocarbons
NT3 lindane
NT2 chlorinated aliphatic hydrocarbons
NT3 carbon tetrachloride
NT3 chloroform
NT3 methyl chloride
NT3 pvc
NT3 vinyl chloride
NT2 chlorinated aromatic hydrocarbons
NT3 aldrin
NT3 polychlorinated biphenyls
NT2 chlorofluorocarbons
NT2 chlorouracils
NT2 chlorpromazine
NT2 ddt
NT2 kel-f
NT2 methylene chloride
NT2 neoprene
NT2 nitrogen mustard
NT2 phosgene
NT2 rose bengal
NT1 organic fluorine compounds
NT2 chlorofluorocarbons
NT2 fluorinated alicyclic hydrocarbons
NT2 fluorinated aliphatic hydrocarbons
NT3 carbon tetrafluoride
NT3 fluoroform
NT3 methyl fluoride
NT3 polytetrafluoroethylene
NT4 teflon
NT3 tedlar
NT2 fluorinated aromatic hydrocarbons
NT2 fluorouracils
NT3 fudr
NT2 kel-f
NT2 tta
NT1 organic iodine compounds
NT2 diiodotyrosine
NT2 erythrosine
NT2 ferron
NT2 iodinated alicyclic hydrocarbons
NT2 iodinated aliphatic hydrocarbons
NT3 iodoform
NT3 methyl iodide
NT2 iodinated aromatic hydrocarbons
NT2 iodouracils
NT3 iododeoxyuridine
NT2 lipiodol
NT2 mibg
NT2 pbi
NT2 rose bengal
NT2 thyroxine
RT halogen compounds
RT refrigerants

ORGANIC INSULATORS

RT dielectric materials
RT electrical insulation
RT electrical insulators

ORGANIC IODINE COMPOUNDS

UF *iodinated hydrocarbons*
UF+ *diodrast*
UF+ *hypaque*
UF+ *iodochloroquine*
UF+ *iodopyracet*
UF+ *ioglycamic acid*
UF+ *risa*
*BT1 organic halogen compounds
NT1 diiodotyrosine
NT1 erythrosine
NT1 ferron
NT1 iodinated alicyclic hydrocarbons
NT1 iodinated aliphatic hydrocarbons
NT2 iodoform
NT2 methyl iodide
NT1 iodinated aromatic hydrocarbons
NT1 iodouracils
NT2 iododeoxyuridine
NT1 lipiodol
NT1 mibg
NT1 pbi
NT1 rose bengal
NT1 thyroxine
RT iodine compounds

ORGANIC ION EXCHANGERS

UF *amberlite*
UF *dowex*
UF *permutit (organic)*
*BT1 ion exchange materials
NT1 polystyrene-dvb

ORGANIC MATTER

INIS: Jul 1982; ETDE: Oct 1980
(Only for unspecified materials containing chain and ring compounds of carbon; if specific organic compounds are studied, use descriptors for the compounds.)
BT1 matter
NT1 kerogen
NT1 peat
RT acid neutralizing capacity
RT carbonaceous materials
RT geochemistry

ORGANIC MERCURY COMPOUNDS

BT1 organic compounds
NT1 methylmercury
RT mercury compounds

organic moderated reactor experiment

Use omre reactor

organic moderated reactor piqua

Use pnpf reactor

ORGANIC MODERATED REACTORS

BT1 reactors
NT1 akr-1 reactor
NT1 eocr reactor
NT1 omr type reactors
NT2 arbus reactor
NT2 omre reactor
NT2 pnpf reactor
NT1 rospo reactor
NT1 sur-100 series reactor
NT1 viper reactor
NT1 zerlina reactor
RT organic moderators

ORGANIC MODERATORS

BT1 moderators
RT aromatics
RT organic moderated reactors
RT polyphenyls

ORGANIC NITROGEN COMPOUNDS

(Excluding those concepts included under the descriptors: PROTEINS, AMINES, ALKALOIDS, AMINO ACIDS, NUCLEIC ACIDS, and NUCLEOTIDES.)
UF *imidines*
UF+ *guanethidine*
BT1 organic compounds
NT1 amides
NT2 acetamide
NT2 acrylamide
NT2 asparagine
NT2 formamide
NT2 glutamine
NT2 hydroxyurea
NT2 lactams
NT3 pyrrolidones
NT4 pvp
NT2 metrizamide
NT2 nicotinamide
NT2 sulfenamides
NT2 sulfonamides
NT2 thionalide
NT2 urea
NT1 amidines
NT1 azaarenes
NT2 acridines
NT3 acridine orange
NT3 flavines
NT4 acriflavine
NT4 proflavine
NT2 carbazoles
NT2 indoles
NT3 indigo
NT3 indocyanine green
NT3 lysergic acid
NT3 reserpine
NT3 strychnine
NT3 tryptamines
NT4 melatonin
NT4 serotonin
NT5 bufotenine
NT3 tryptophan
NT3 vinblastine
NT2 phenanthrolines
NT3 ferroin
NT3 phenanthroline-ortho
NT2 pteridines
NT3 aminopterin
NT3 folic acid
NT2 purines
NT3 adenines
NT4 kinetin
NT3 guanine
NT3 guanosine
NT3 hypoxanthine
NT3 inosine
NT3 mercaptopurine
NT3 xanthines
NT4 caffeine
NT4 theobromine
NT4 theophylline
NT4 uric acid
NT2 quinolines
NT3 ferron
NT3 oxine
NT3 quinaldine
NT1 azido compounds
NT1 azines
NT2 phenothiazines
NT3 chlorpromazine
NT3 methylene blue
NT2 pyrazines
NT3 phenazine
NT3 piperazines
NT2 pyridazines
NT3 phthalazines
NT4 luminol
NT2 pyridines
NT3 acridines
NT4 acridine orange
NT4 flavines
NT5 acriflavine
NT5 proflavine
NT3 bipyridines
NT3 nicotinamide
NT3 nicotine
NT3 nicotinic acid
NT3 pan
NT3 picolines
NT4 picolinic acid
NT3 piperidines
NT4 dipyridamole
NT4 pethidine
NT4 triacetoneamine-n-oxyl
NT3 pyridine
NT3 pyridinium compounds

NT3 pyridoxal
NT3 pyridoxine
NT3 pyridoxylideneglutamate
NT3 pyridylazoresorcinol
NT3 quinolines
NT4 ferron
NT4 oxine
NT4 quinaldine
NT2 pyrimidines
NT3 alloxan
NT3 barbiturates
NT4 nembutal
NT4 phenobarbital
NT3 cytidine
NT3 cytosine
NT3 deoxycytidine
NT3 thiamine
NT3 thymidine
NT3 uracils
NT4 bromouracils
NT5 budr
NT4 chlorouracils
NT4 deoxyuridine
NT4 fluorouracils
NT5 fudr
NT4 iodouracils
NT5 iododeoxyuridine
NT4 orotic acid
NT4 thiouracil
NT4 thymine
NT4 uridine
NT2 triazines
NT3 cyanurates
NT3 melamine
NT1 azo compounds
NT2 arsenazo
NT2 azo dyes
NT3 eriochrome dyes
NT3 evans blue
NT3 methyl orange
NT3 methyl red
NT3 toluidine blue
NT3 trypan blue
NT1 azoles
NT2 carbazoles
NT2 imidazoles
NT3 allantoin
NT3 benzimidazoles
NT3 biotin
NT3 creatinine
NT3 histamine
NT3 histidine
NT3 hydantoins
NT3 metronidazole
NT3 misonidazole
NT3 urocanic acid
NT2 oxadiazoles
NT2 oxazoles
NT3 benzoxazoles
NT3 popop
NT2 pyrazoles
NT3 indazoles
NT3 pyrazolines
NT4 antipyrine
NT2 pyrroles
NT3 bilirubin
NT3 indoles
NT4 indigo
NT4 indocyanine green
NT4 lysergic acid
NT4 reserpine
NT4 strychnine
NT4 tryptamines
NT5 melatonin
NT5 serotonin
NT6 bufotenine
NT4 tryptophan
NT4 vinblastine
NT3 pyrrolidines
NT4 hydroxyproline
NT4 nicotine
NT4 proline
NT3 pyrrolidones
NT4 pvp
NT2 tetrazoles
NT3 tetrazolium
NT2 thiadiazoles
NT2 thiazoles
NT3 benzothiazoles
NT3 saccharin
NT3 thiamine
NT2 triazoles
NT1 carbamates
NT2 dedtc
NT2 urethane
NT1 carbazides
NT1 carbazones
NT2 dithizone
NT1 cyanamides
NT1 diazo compounds
NT2 pan
NT2 pyridylazoresorcinol
NT2 thorin
NT1 dpca
NT1 gangliosides
NT1 guanidines
NT2 mibg
NT1 hydrazides
NT2 isoniazid
NT1 hydrazones
NT1 imides
NT2 nem
NT1 imines
NT2 creatinine
NT2 schiff bases
NT1 imipramine
NT1 isoalloxazines
NT2 diaphorase
NT1 melanin
NT1 morpholines
NT1 nitriles
NT2 acetonitrile
NT2 acrylonitrile
NT2 propiolonitrile
NT2 ttf-tcnq
NT1 nitro compounds
NT2 dinitrophenol
NT2 dpph
NT2 metronidazole
NT2 misonidazole
NT2 nitrobenzene
NT2 nitromethane
NT2 nitrophenol
NT2 picric acid
NT2 polycyclic nitro compounds
NT2 tetryl
NT2 tnt
NT1 nitroso compounds
NT2 1-nitroso-2-naphthol
NT2 methyl nitrosourea
NT2 nitrosamines
NT2 nitroso-r salt
NT2 nitrosoureas
NT1 oximes
NT2 benzoinoxime
NT2 dimethylglyoxime
NT1 parathion
NT1 porphyrins
NT2 chlorins
NT2 chlorophyll
NT2 hematoporphyrins
NT2 heme
NT2 hemoglobin
NT3 methemoglobin
NT2 hemosiderin
NT2 myoglobin
NT2 protoporphyrins
NT1 semicarbazides
NT1 semicarbazones
NT1 tamoxifen
NT1 thionine
RT diazotization
RT nitrogen compounds
RT squarylium dyes

ORGANIC OXYGEN COMPOUNDS

(Excluding those concepts included under the descriptors: HYDROXY COMPOUNDS, CARBONIC ACID DERIVATIVES, LIPIDS, ORGANIC ACIDS, ALDEHYDES, KETONES, and ESTERS.)
UF+ *murexide*
UF+ *parabanic acid*
UF+ *purpuric acid*
UF+ *tmpn*
BT1 organic compounds
NT1 allantoin
NT1 alloxan
NT1 barbiturates
NT2 nembutal
NT2 phenobarbital
NT1 benzoyl peroxide
NT1 cyanurates
NT1 cytosine
NT1 dioxane
NT1 dioxin
NT1 epoxides
NT2 araldite
NT1 ethers
NT2 acetals
NT3 acetal
NT2 anisole
NT2 butyl ether
NT2 cellosolves
NT2 crown ethers
NT2 curcumin
NT2 dme
NT2 ethyl ether
NT2 isopropyl ether
NT2 methyl ether
NT2 methylal
NT2 mexamine
NT2 morpholines
NT2 phenyl ether
NT1 flavenoids
NT2 flavones
NT3 morin
NT3 quercetin
NT1 furans
NT2 benzofurans
NT2 furfural
NT2 tetrahydrofuran
NT3 mthf
NT1 heterocyclic oxygen compounds
NT2 pyrans
NT3 coumarin
NT3 hematoxylin
NT3 pyrones
NT3 quercetin
NT3 tetrahydropyran
NT1 isoalloxazines
NT2 diaphorase
NT1 ketenes
NT1 malathion
NT1 oxadiazoles
NT1 oxazoles
NT2 benzoxazoles
NT2 popop
NT1 psoralen
NT1 pyridoxal
NT1 quinones
NT2 anthraquinones
NT3 alizarin
NT3 carminic acid
NT3 quinizarin
NT2 benzoquinones
NT3 chloranil

NT3 chloranilic acid
NT3 plastoquinone
NT3 ubiquinone
NT2 rhodizonic acid
NT2 vitamin k
NT1 rhodamines
NT1 saccharin
NT1 semicarbazides
NT1 triacetoneamine-n-oxyl
NT1 trioxanes
NT1 xanthines
NT2 caffeine
NT2 theobromine
NT2 theophylline
NT2 uric acid
RT oxygen compounds

ORGANIC PHOSPHORUS COMPOUNDS

(Excluding those concepts covered by NUCLEIC ACIDS and NUCLEOTIDES.)
UF *diphenylphosphine oxide*
UF *dpo*
BT1 organic compounds
NT1 casein
NT1 cmpo
NT1 cystaphos
NT1 malathion
NT1 parathion
NT1 phosphinic acid esters
NT1 phosphinic acids
NT1 phosphocreatine
NT1 phospholipids
NT2 cardiolipin
NT2 lecithins
NT2 sphingomyelins
NT1 phosphonates
NT1 phosphonic acid esters
NT2 dampa
NT2 dhdecmp
NT1 phosphonic acids
NT1 phosphoric acid esters
NT2 butyl phosphates
NT3 dbp
NT3 mbp
NT3 tbp
NT2 hdehp
NT2 mdpa
NT2 phytic acid
NT2 tcp
NT1 tbpo
NT1 topo
NT1 tops
NT1 tpo
NT1 udpg
RT phosphine oxides
RT phosphines
RT phosphorus compounds
RT thiophosphoric acid esters

ORGANIC POLYMERS

UF+ *poly(isobutylene oxide)*
UF+ *polyacrylonitrile*
UF+ *polytetraoxane*
BT1 organic compounds
BT1 polymers
NT1 araldite
NT1 copolymers
NT1 graft polymers
NT1 neoprene
NT1 plastic foams
NT1 plastics
NT2 aramids
NT2 bakelite
NT2 formvar
NT2 lucite
NT2 mylar
NT2 nylon
NT2 perspex
NT2 plexiglas
NT2 polystyrene
NT2 polyurethanes
NT3 halthane
NT2 reinforced plastics
NT2 tedlar
NT2 teflon
NT2 thermoplastics
NT1 polyacetals
NT2 formvar
NT2 polyoxymethylenes
NT1 polyacetylenes
NT1 polyamides
NT2 nylon
NT2 polyurethanes
NT3 halthane
NT1 polycarbonates
NT1 polyesters
NT2 dacron
NT2 homalite
NT2 mylar
NT1 polyethylene glycols
NT2 carbowax
NT2 pluronics
NT1 polyisoprene
NT1 polyolefins
NT2 polyethylenes
NT3 kel-f
NT3 polytetrafluoroethylene
NT4 teflon
NT2 polypropylene
NT2 polystyrene
NT2 polystyrene-dvb
NT1 polyvinyls
NT2 polyacrylates
NT3 lucite
NT3 perspex
NT3 plexiglas
NT3 pmma
NT2 polystyrene
NT2 pva
NT2 pvc
NT2 pvp
NT2 tedlar
NT1 resins
NT1 rubbers
NT2 buna
NT2 latex
NT2 natural rubber
NT2 silastic
NT2 viton
NT1 textolite
RT acrylonitrile
RT benzofurans
RT butadiene
RT concrete-plastic composites
RT fiberglass
RT melamine
RT plasticizers
RT polyphenyls
RT wood-plastic composites
RT xenobiotics

ORGANIC SEMICONDUCTORS

INIS: May 1992; ETDE: Jan 1975
*BT1 semiconductor materials
RT organic compounds
RT organic solar cells
RT organic superconductors

ORGANIC SILICON COMPOUNDS

INIS: Jul 1986; ETDE: May 1984
UF *silicic acid esters*
BT1 organic compounds
NT1 silanes
NT1 siloxanes
NT2 silicones
NT3 silastic
RT silicon compounds

ORGANIC SOLAR CELLS

INIS: May 1992; ETDE: May 1979
*BT1 solar cells
RT dyes
RT organic semiconductors
RT photovoltaic conversion
RT pis solar cells
RT ps solar cells

ORGANIC SOLVENTS

(AMSCO and CARBITOLS have been valid ETDE descriptors.)
UF *amsco*
UF+ *carbitols*
UF+ *diglycol monoalkyl ethers*
*BT1 nonaqueous solvents
NT1 cellosolves
NT1 solvesso
NT1 turpentine
RT butyl ether
RT carbon tetrachloride
RT chloroform
RT dhdecmp
RT dme
RT ethyl ether
RT isopropyl ether
RT methyl ether
RT solutions
RT trioxanes

ORGANIC SULFUR COMPOUNDS

UF *thio compounds*
UF *thioethers*
UF+ *ethyrone*
UF+ *ethyroneethyl phosphinate*
UF+ *pentothal*
UF+ *sulfinic acids*
UF+ *thiopental*
UF+ *thiophosgene*
BT1 organic compounds
NT1 bedt-ttf
NT1 biotin
NT1 cystamine
NT1 dedtc
NT1 dimethyl sulfide
NT1 disulfides
NT2 cystine
NT2 thioctic acid
NT1 dithizone
NT1 ethionine
NT1 heparin
NT1 isothiocyanates
NT1 methionine
NT1 phenothiazines
NT2 chlorpromazine
NT2 methylene blue
NT1 polycyclic sulfur heterocycles
NT1 sulfenamides
NT1 sulfonamides
NT1 sulfonates
NT2 indocyanine green
NT2 petroleum sulfonates
NT1 sulfones
NT1 sulfonic acid esters
NT2 abs
NT2 ems
NT2 methyl methanesulfonate
NT2 petroleum sulfonates
NT1 sulfonic acids
NT2 arsenazo
NT2 bromosulfophthalein
NT2 chromotropic acid
NT2 eriochrome dyes
NT2 evans blue
NT2 ferron
NT2 methyl orange
NT2 nitroso-r salt
NT2 sulfanilic acid
NT2 taurine

NT2 thorin
NT2 tiron
NT2 trypan blue
NT2 unithiol
NT1 sulfoxides
NT2 dmso
NT2 dpso
NT1 sulfuric acid esters
NT1 thiadiazoles
NT1 thiazoles
NT2 benzothiazoles
NT2 saccharin
NT2 thiamine
NT1 thiocyanates
NT2 ammonium thiocyanates
NT1 thioic acids
NT1 thiols
NT2 cysteine
NT2 dithiols
NT3 bal
NT3 unithiol
NT2 malathion
NT2 mea
NT2 meg
NT2 mercaptopurine
NT2 mpg
NT2 penicillamine
NT2 thionalide
NT2 thiouracil
NT1 thionaphthenes
NT1 thionates
NT1 thionine
NT1 thionyl chlorides
NT1 thiophene
NT1 thiophenols
NT1 thioureas
NT2 aet
NT2 thiourea
NT1 tops
NT1 tta
NT1 ttf
NT1 ttf-tcnq
NT1 xanthates
NT2 viscose
RT sulfur compounds
RT thiophosphoric acid esters

ORGANIC SUPERCONDUCTORS

INIS: Jan 1992; ETDE: Feb 1991
BT1 superconductors
NT1 bedt-ttf
NT1 tmtsf
NT1 ttf-tcnq
RT organic compounds
RT organic semiconductors

ORGANIC WASTES

INIS: Dec 1991; ETDE: Sep 1975
BT1 wastes
NT1 agricultural wastes
NT2 bagasse
NT2 manures
NT1 compost
NT1 stillage
NT1 wood wastes
RT biological wastes
RT industrial wastes
RT liquid wastes
RT sewage
RT solid wastes

organization economic co-operation and development

Use oecd

organization of american states

Use international organizations

ORGANIZATIONAL MODELS

INIS: Nov 1975; ETDE: Dec 1975
UF *models (organizational)*
RT management
RT organizing
RT planning

ORGANIZING

RT organizational models
RT planning
RT schedules

organoids

Use golgi complexes

ORGANOLEPTIC PROPERTIES

NT1 color
NT1 flavor
NT1 odor
RT food
RT preservation
RT sense organs

ORGANOMETALLIC COMPOUNDS

(For compounds of metals and semimetals with organic compounds, but only when the metal or semimetal is directly bound to carbon.)
BT1 organic compounds
NT1 grignard reagents
NT1 lactoferrin
NT1 tel

organophosphinic acids

Use phosphinic acids

ORGANS

BT1 body
NT1 blood vessels
NT2 arteries
NT3 aorta
NT3 carotid arteries
NT3 cerebral arteries
NT3 coronaries
NT2 capillaries
NT2 veins
NT3 portal system
NT1 bone marrow
NT1 brain
NT2 cerebellum
NT2 cerebrum
NT3 cerebral cortex
NT2 hippocampus
NT2 hypothalamus
NT2 olfactory bulbs
NT2 thalamus
NT1 critical organs
NT1 diaphragm
NT1 esophagus
NT1 female genitals
NT2 ovaries
NT2 uterus
NT1 glands
NT2 endocrine glands
NT3 adrenal glands
NT3 pancreas
NT3 parathyroid glands
NT3 pituitary gland
NT3 thyroid
NT2 liver
NT2 mammary glands
NT2 pineal gland
NT2 prostate
NT2 salivary glands
NT1 heart
NT2 myocardium
NT2 pericardium
NT1 intestines
NT2 large intestine
NT3 rectum
NT2 small intestine
NT1 kidneys
NT2 glomeruli
NT2 tubules
NT1 lungs
NT1 male genitals
NT2 prostate
NT2 testes
NT1 perfused organs
NT1 pharynx
NT1 sense organs
NT2 auditory organs
NT2 eyes
NT3 conjunctiva
NT3 cornea
NT3 crystalline lens
NT3 lacrimal ducts
NT3 retina
NT3 uvea
NT2 taste buds
NT2 vestibular apparatus
NT1 skeleton
NT2 bone joints
NT2 exoskeleton
NT2 femur
NT2 skull
NT3 jaw
NT2 tibia
NT2 vertebrae
NT1 skin
NT2 epidermis
NT2 hair
NT2 hair follicles
NT2 nails
NT1 spleen
NT1 stomach
NT1 thymus
NT1 tongue
NT1 urinary tract
NT2 bladder
NT2 ureters
RT animal tissues
RT artificial organs
RT biological regeneration
RT biology
RT blood flow
RT cardiovascular system
RT digestive system
RT homogenates
RT in vivo
RT lymphatic system
RT morphogenesis
RT nervous system
RT respiratory system
RT retention

ORGDP

UF *k-25 plant*
UF *oak ridge gaseous diffusion plant*
*BT1 gaseous diffusion plants
*BT1 us doe
*BT1 us erda
RT gaseous diffusion process
RT oak ridge
RT oak ridge reservation
RT tennessee

orgel reactor

Use essor reactor

ORIENTAL AMERICANS

INIS: Apr 2000; ETDE: Jan 1982
UF *american orientals*
*BT1 minority groups
RT sociology

ORIENTATION
(From December 1975 till February 1997 AZIMUTH was a valid ETDE descriptor.)
UF+ *attitude control*
SF *azimuth*
NT1 grain orientation
NT1 spin orientation
RT anisotropy
RT asymmetry
RT configuration
RT incidence angle
RT isotropy
RT symmetry
RT tilt mechanisms

orientation (grain)
Use grain orientation

ORIENTED NUCLEI
UF *polarized nuclei*
BT1 nuclei
RT nuclear alignment
RT polarization

ORIFICES
BT1 openings
RT apertures
RT flowmeters
RT nozzles
RT pipe fittings

ORIGIN
UF *genesis*
UF+ *earthquake foci*
RT catagenesis
RT cosmology
RT diagenesis
RT nucleosynthesis
RT orogenesis
RT petrogenesis
RT protostars
RT star evolution
RT white holes

ORINS
INIS: Apr 2000; ETDE: Dec 1984
UF *oak ridge institute of nuclear studies*
*BT1 us organizations

orion computers
Use computers

ORMAK DEVICES
*BT1 tokamak devices

ORNAMENTAL PLANTS
BT1 plants
RT aesthetics

ORNITHINE
UF *2,5-diaminovaleric acid*
*BT1 amino acids

ORNL
UF *oak ridge national laboratory*
*BT1 us aec
*BT1 us doe
*BT1 us erda
RT oak ridge
RT oak ridge reservation
RT tennessee

ORNL ISOCHRONOUS CYCLOTRON
*BT1 isochronous cyclotrons
RT hhirf accelerator

ORNL-PCA REACTOR
UF *pca-ornl reactor*
UF *pool critical assembly ornl*
*BT1 zero power reactors

ornl research reactor
Use orr reactor

ornl x-10 area graphite reactor
Use x-10 reactor

OROGENESIS
(The process of mountain making, especially by folding of the earth's crust.)
RT mountains
RT origin
RT petrogenesis
RT rocks

OROTIC ACID
UF *6-carboxyuracil*
UF *uracil-6-carboxylic acid*
*BT1 heterocyclic acids
*BT1 uracils

ORPHEE REACTOR
INIS: Nov 1979; ETDE: Nov 1979
(High flux reactor at Saclay Nuclear Research Centre, Gif-sur-Yvette, France.)
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 water cooled reactors

ORR REACTOR
UF *oak ridge research reactor*
UF *ornl research reactor*
*BT1 enriched uranium reactors
*BT1 tank type reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

orsat apparatus
See gas analysis

orsay alice cyclotron
Use alice cyclotron

ORSAY CYCLOTRON
*BT1 isochronous cyclotrons

ORSAY LINAC
*BT1 linear accelerators

ORSAY SYNCHROCYCLOTRON
*BT1 synchrocyclotrons

ORSAY TANDEM ACCELERATOR
INIS: Jan 1977; ETDE: Apr 1977
*BT1 tandem electrostatic accelerators
*BT1 van de graaff accelerators

orthicons
Use camera tubes

orthite
Use allanite

ORTHOCLASE
INIS: Apr 2000; ETDE: Jun 1983
(A white to pale yellow, red, or transparent mineral of the feldspar group, monoclinic in form.)
*BT1 feldspars
RT aluminium silicates

orthogonal pinch devices (linear)
Use linear theta pinch devices

ORTHOGONAL TRANSFORMATIONS
BT1 transformations
NT1 moshinsky transformation

orthoiodohippurate
Use hippuran

ORTHONOL
INIS: Apr 2000; ETDE: Dec 1974
*BT1 iron alloys
*BT1 nickel alloys

ORTHOPTERA
INIS: Jul 1993; ETDE: Jun 1981
*BT1 insects
NT1 grasshoppers
NT2 locusts

ORTHORHOMBIC LATTICES
*BT1 crystal lattices

oryza
Use rice

OSAMU UTSUMI MINE
INIS: Feb 1993; ETDE: Nov 1992
*BT1 uranium mines
RT brazil

OSCILLATION MODES
UF *modes (oscillation)*
UF *vibration modes*
NT1 bernstein mode
NT1 optical modes
NT1 single-particle modes
RT harmonics
RT lattice vibrations
RT mode control
RT mode conversion
RT mode selection
RT oscillations
RT plasma waves

oscillation techniques (pile)
Use pile oscillation techniques

OSCILLATIONS
(From February 1976 till March 1997 pendulums was a valid ETDE descriptor.)
SF *pendulums*
NT1 betatron oscillations
NT1 harmonics
NT2 cyclotron harmonics
NT1 phase oscillations
NT1 sawtooth oscillations
NT1 synchrotron oscillations
RT amplitudes
RT disturbances
RT mechanical vibrations
RT nyquist diagrams
RT oscillation modes
RT periodicity
RT pulsations
RT samarium oscillations
RT variations
RT xenon oscillations

oscillations (plasma)
Use plasma waves

OSCILLATOR STRENGTHS
RT einstein coefficients
RT energy-level transitions
RT optical depth curve
RT spectroscopic curve of growth
RT strength functions

OSCILLATORS
*BT1 electronic equipment
NT1 blocking oscillators
NT1 parametric oscillators
NT1 transistor oscillators
RT electronic circuits
RT pulse techniques
RT reactor oscillators
RT resonators
RT semiconductor devices

oscillators (reactor)
Use reactor oscillators

OSCILLOGRAPHS
*BT1 electronic equipment
RT cathode ray tubes

OSEEN METHOD
BT1 calculation methods
RT fluid flow

osha
Use us osha

oshima oi-1 reactor
Use oi-1 reactor

oshima oi-2 reactor
Use oi-2 reactor

OSIRIS REACTOR
(CEA/CEN de Saclay, Gif-sur-Yvette, France)
*BT1 enriched uranium reactors
*BT1 materials testing reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

oskarshamn-1 reactor
Use okg-1 reactor

oskarshamn-2 reactor
Use okg-2 reactor

oskarshamn-3 reactor
Use okg-3 reactor

oskarshamn-4 reactor
Use okg-4 reactor

OSLO CYCLOTRON
INIS: Jul 1980; ETDE: Aug 1980
*BT1 isochronous cyclotrons

OSMIUM
*BT1 platinum metals
*BT1 refractory metals

OSMIUM 162
INIS: Jul 1989; ETDE: Aug 1989
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 osmium isotopes

OSMIUM 163
INIS: May 1986; ETDE: Jul 1986
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 osmium isotopes

OSMIUM 164
INIS: May 1986; ETDE: Jul 1986
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 osmium isotopes

OSMIUM 165
INIS: Nov 1978; ETDE: Dec 1978
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 osmium isotopes

OSMIUM 166
INIS: Feb 1978; ETDE: May 1978
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 osmium isotopes

OSMIUM 167
INIS: Feb 1978; ETDE: May 1978
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 osmium isotopes

OSMIUM 168
INIS: Feb 1978; ETDE: Apr 1979
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 osmium isotopes
*BT1 seconds living radioisotopes

OSMIUM 169
INIS: Aug 1982; ETDE: Sep 1979
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 osmium isotopes
*BT1 seconds living radioisotopes

OSMIUM 170
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 osmium isotopes
*BT1 seconds living radioisotopes

OSMIUM 171
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 osmium isotopes
*BT1 seconds living radioisotopes

OSMIUM 172
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 osmium isotopes
*BT1 seconds living radioisotopes

OSMIUM 173
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 osmium isotopes
*BT1 seconds living radioisotopes

OSMIUM 174
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 osmium isotopes
*BT1 seconds living radioisotopes

OSMIUM 175
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 osmium isotopes

OSMIUM 176
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 osmium isotopes

OSMIUM 177
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 osmium isotopes

OSMIUM 178
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 osmium isotopes

OSMIUM 179
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 osmium isotopes

OSMIUM 180
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 minutes living radioisotopes
*BT1 osmium isotopes

OSMIUM 181
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 minutes living radioisotopes
*BT1 osmium isotopes

OSMIUM 182
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 nanoseconds living radioisotopes
*BT1 osmium isotopes

OSMIUM 183
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 osmium isotopes

OSMIUM 184
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 osmium isotopes
*BT1 stable isotopes

OSMIUM 184 TARGET
BT1 targets

OSMIUM 185
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 osmium isotopes

OSMIUM 186
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 osmium isotopes
*BT1 stable isotopes
*BT1 years living radioisotopes

OSMIUM 186 TARGET
BT1 targets

OSMIUM 187
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 osmium isotopes
*BT1 stable isotopes

OSMIUM 187 TARGET
BT1 targets

OSMIUM 188
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 osmium isotopes
*BT1 stable isotopes

OSMIUM 188 TARGET
BT1 targets

OSMIUM 189
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 osmium isotopes
*BT1 stable isotopes

OSMIUM 189 TARGET
BT1 targets

OSMIUM 190
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 osmium isotopes
*BT1 stable isotopes

OSMIUM 190 TARGET
BT1 targets

OSMIUM 191
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 osmium isotopes

OSMIUM 191 TARGET
INIS: Apr 1979; ETDE: May 1979
BT1 targets

OSMIUM 192
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 osmium isotopes
*BT1 seconds living radioisotopes
*BT1 stable isotopes

OSMIUM 192 TARGET
BT1 targets

OSMIUM 193
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 osmium isotopes

OSMIUM 193 TARGET
INIS: Sep 1992; ETDE: Mar 1982
BT1 targets

OSMIUM 194
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 osmium isotopes
*BT1 years living radioisotopes

OSMIUM 195
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 osmium isotopes

OSMIUM 196
INIS: Jan 1977; ETDE: Oct 1976
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 osmium isotopes

OSMIUM ADDITIONS
(Alloys containing not more than 1% Os are listed here.)
*BT1 osmium alloys

OSMIUM ALLOYS
(Alloys containing more than 1% Os.)
*BT1 platinum metal alloys
NT1 osmium additions
NT1 osmium base alloys

OSMIUM BASE ALLOYS
*BT1 osmium alloys

OSMIUM BORIDES
INIS: Feb 1976; ETDE: Dec 1975
*BT1 borides
*BT1 osmium compounds

OSMIUM CARBIDES
INIS: Sep 1991; ETDE: Jan 1976
*BT1 carbides
*BT1 osmium compounds

OSMIUM CHLORIDES
*BT1 chlorides
*BT1 osmium compounds

OSMIUM COMPLEXES
*BT1 transition element complexes

OSMIUM COMPOUNDS
UF+ *osmium sulfates*
BT1 refractory metal compounds
BT1 transition element compounds
NT1 osmium borides
NT1 osmium carbides
NT1 osmium chlorides
NT1 osmium fluorides
NT1 osmium oxides
NT1 osmium phosphides
NT1 osmium sulfides

OSMIUM FLUORIDES
*BT1 fluorides
*BT1 osmium compounds

OSMIUM IONS
*BT1 ions

OSMIUM ISOTOPES
BT1 isotopes
NT1 osmium 162
NT1 osmium 163
NT1 osmium 164
NT1 osmium 165
NT1 osmium 166
NT1 osmium 167
NT1 osmium 168
NT1 osmium 169
NT1 osmium 170
NT1 osmium 171
NT1 osmium 172
NT1 osmium 173
NT1 osmium 174
NT1 osmium 175
NT1 osmium 176
NT1 osmium 177
NT1 osmium 178
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NT1 osmium 180
NT1 osmium 181
NT1 osmium 182
NT1 osmium 183
NT1 osmium 184
NT1 osmium 185
NT1 osmium 186
NT1 osmium 187
NT1 osmium 188
NT1 osmium 189
NT1 osmium 190
NT1 osmium 191
NT1 osmium 192
NT1 osmium 193
NT1 osmium 194
NT1 osmium 195
NT1 osmium 196

OSMIUM OXIDES
*BT1 osmium compounds
*BT1 oxides

OSMIUM PHOSPHIDES
INIS: Apr 2000; ETDE: Jun 1984
*BT1 osmium compounds
*BT1 phosphides

osmium sulfates
Use osmium compounds
AND sulfates

OSMIUM SULFIDES
INIS: Apr 2000; ETDE: Mar 1977
*BT1 osmium compounds
*BT1 sulfides

OSMOSIS
UF *reverse osmosis*
BT1 diffusion
RT advection
RT donnan theory
RT hypertonic solutions
RT isotonic solutions
RT mass transfer
RT membrane transport
RT membranes
RT molecular weight
RT permeability

osmotic power plants
Use salinity gradient power plants

osteitis (radioinduced)
Use osteoradionecrosis

osteoblasts
Use connective tissue cells

osteocytes
Use bone cells

OSTEODENSITOMETRY
*BT1 biomedical radiography
RT bone tissues
RT osteoporosis
RT scintiscanning

OSTEOMYELITIS
*BT1 skeletal diseases
RT bone tissues

OSTEOPOROSIS
*BT1 skeletal diseases
RT bone tissues
RT osteodensitometry

OSTEORADIONECROSIS
UF *osteitis (radioinduced)*
*BT1 local radiation effects
*BT1 necrosis
*BT1 radiation injuries
*BT1 skeletal diseases
RT bone tissues

OSTEOSARCOMAS
*BT1 sarcomas
*BT1 skeletal diseases
RT bone tissues

OSTR REACTOR
(Oregon State University, Corvallis, Oregon, USA)
UF *oregon state triga reactor*
*BT1 isotope production reactors
*BT1 pulsed reactors
*BT1 training reactors
*BT1 triga type reactors

OSUR REACTOR
(Ohio State University, Columbus, Ohio, USA)
UF *ohio state university reactor*
*BT1 pool type reactors
*BT1 training reactors

osweso nuclear power plant
Use nine mile point-2 reactor

OTAKE GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Jan 1975
BT1 geothermal fields
RT geothermal hot-water systems
RT japan

otec
Use ocean thermal energy conversion

otec foam-lift cycle
Use lift cycles

otec lift cycles
Use lift cycles

otec mist-lift cycle
Use mist-lift cycles

OTHER ORGANIC COMPOUNDS
(For organic materials, usually naturally occurring, composed of undetermined or mixed organic compounds.)
BT1 organic compounds
NT1 amber
NT1 asphaltite
NT1 oils
NT2 coal tar oils
NT2 essential oils
NT2 fish oil
NT2 insulating oils
NT2 lipiodol
NT2 lubricating oils
NT2 pyrolytic oils
NT2 road oils
NT2 shale tar oils
NT2 tall oil
NT2 triolein
NT2 vegetable oils
NT3 castor oil
NT3 corn oil
NT3 cottonseed oil
NT3 linseed oil
NT3 olive oil
NT3 palm oil
NT3 peanut oil
NT3 sesame oil
NT3 soybean oil
NT3 sunflower oil
NT2 waste oils
NT2 wood oils
NT1 pitches
NT1 soaps
NT1 tar
NT2 bitumens
NT3 asphalts
NT3 coal tar
NT3 thucholite
NT2 shale tar
NT1 waxes
NT2 carbowax
NT2 paraffin

OTISCA PROCESS
INIS: Apr 2000; ETDE: Jun 1981
(Heavy media separation process using chlorofluoromethanes.)
*BT1 heavy media separation

OTTAWA RIVER
*BT1 rivers
RT ontario
RT quebec

ottawa slowpoke reactor
Use slowpoke-ottawa reactor

OTTERS
INIS: May 1993; ETDE: May 1984
*BT1 mammals
RT aquatic ecosystems
RT aquatic organisms

OTTO CYCLE
INIS: Apr 2000; ETDE: Feb 1975
BT1 thermodynamic cycles

otto hahn (nuclear ship)
Use ns otto hahn

OTTO HAHN REACTOR
UF *fdr reactor*
UF *nuclear ship otto hahn reactor*
*BT1 pwr type reactors
*BT1 ship propulsion reactors
RT ns otto hahn

OTTO PROCESS
INIS: Apr 2000; ETDE: Feb 1975
(Process for removal of hydrogen sulfide from coal gas.)
*BT1 desulfurization
RT sulfur

OTTO RUMMEL SLAG BATH PROCESS
INIS: Apr 2000; ETDE: May 1977
(Slag bath gasification using either steam or oxygen-steam; steam blown system requires a dual shaft, which permits the separation of the combustor function from the gasification function, thereby permitting synthesis gas generation with low nitrogen content.)
*BT1 coal gasification

OUABAIN
*BT1 strophanthins

OUNCE METAL
INIS: Apr 2000; ETDE: Dec 1974
*BT1 copper base alloys
*BT1 lead alloys
*BT1 nickel additions
*BT1 tin alloys
*BT1 zinc alloys
RT brass

OUTAGES
INIS: May 1981; ETDE: Jul 1979
(Accidental or planned shutdowns or significant reductions of all or part of an electrical or thermal power system.)
UF *blackouts*
UF *brownouts*
RT accidents
RT availability
RT capacity
RT failures
RT maintenance
RT power losses
RT power plants
RT power supplies
RT power systems
RT power transmission
RT reliability
RT shutdown

outer continental shelf
Use continental shelf

outgassing
Use degassing

OUTLET STRUCTURES
INIS: Apr 2000; ETDE: May 1979
BT1 mechanical structures

output
Use production

OVA
*BT1 gametes
RT eggs
RT fertilization
RT life cycle
RT oocytes
RT oogenesis
RT ovulation

OVALBUMIN
*BT1 glucoproteins

OVARIES
*BT1 female genitals
BT1 gonads
RT estrogens
RT oogenesis
RT ovulation
RT progesterone

OVEN COKE
INIS: Apr 2000; ETDE: Sep 1979
BT1 coke

OVENS
INIS: Dec 1985; ETDE: Aug 1982
- *BT1 appliances
- **NT1** microwave ovens
- *RT* electric appliances
- *RT* gas appliances
- *RT* stoves
- *RT* wood burning appliances

OVERBURDEN
(The loose soil, silt, sand, gravel, or other unconsolidated material overlying bedrock, either transported or formed in place.)
- SF *regolith*
- *RT* dusts
- *RT* earth mantle
- *RT* mining
- *RT* rock mechanics
- *RT* rocks
- *RT* soil mechanics

OVERCURRENT
INIS: Apr 1986; ETDE: Apr 1975
- *BT1 electric currents
- *RT* surges
- *RT* transients

OVERHAUSER EFFECT
INIS: Jul 1980; ETDE: Jan 1975
- *RT* electron spin resonance
- *RT* nuclear magnetic resonance
- *RT* nuclei
- *RT* polarization

OVERHEAD POWER TRANSMISSION
INIS: Jun 1992; ETDE: Aug 1976
- BT1 power transmission
- *RT* power transmission towers

overthrust belt
- Use western us overthrust belt

OVERVOLTAGE
INIS: Apr 1986; ETDE: Apr 1975
- *RT* breakdown
- *RT* electric potential
- *RT* electrical transients
- *RT* surges
- *RT* transients
- *RT* var control systems

OVULATION
- *RT* estrous cycle
- *RT* fertilization
- *RT* menstrual cycle
- *RT* ova
- *RT* ovaries
- *RT* reproduction

OWNERSHIP
INIS: Nov 1978; ETDE: Jul 1977
(From December 1977 until March 1996 MULTINATIONAL OWNERSHIP was a valid ETDE descriptor.)
- UF+ *multinational ownership*
- **NT1** land ownership
- *RT* legal aspects
- *RT* mineral rights
- *RT* property rights
- *RT* public enterprises
- *RT* solar rights

OWR REACTOR
(University of California, Los Alamos Scientific Lab., Los Alamos, New Mexico, USA)
- UF *los alamos omega west reactor*
- UF *omega west reactor*
- *BT1 enriched uranium reactors
- *BT1 research reactors
- *BT1 tank type reactors
- *BT1 test reactors
- *BT1 thermal reactors
- *BT1 water cooled reactors
- *BT1 water moderated reactors

OXADIAZOLES
(Compounds that contain a five-membered heterocyclic ring containing one oxygen and two nitrogen atoms.)
- *BT1 azoles
- *BT1 organic oxygen compounds

oxalaldehyde
- Use glyoxal

OXALATES
- BT1 carboxylic acid salts
- *RT* oxalic acid esters

OXALIC ACID
- *BT1 dicarboxylic acids

OXALIC ACID ESTERS
- *BT1 carboxylic acid esters
- *RT* oxalates

OXAZOLES
(Compounds that contain a five-membered heterocyclic ring containing one nitrogen and one oxygen atom.)
- *BT1 azoles
- *BT1 organic oxygen compounds
- **NT1** benzoxazoles
- **NT1** popop

oxetane
- Use ethers
- AND heterocyclic oxygen compounds

oxidants
- Use oxidizers

OXIDASES
- *BT1 oxidoreductases
- **NT1** cytochrome oxidase
- **NT1** luciferase

OXIDATION
- UF+ *disproportionation*
- BT1 chemical reactions
- **NT1** combustion
  - **NT2** cocombustion
  - **NT2** fluidized-bed combustion
  - **NT2** in-situ combustion
  - **NT2** pulse combustion
  - **NT2** reverse combustion
  - **NT2** spontaneous combustion
  - **NT2** staged combustion
- **NT1** roasting
- *RT* anoxia
- *RT* antioxidants
- *RT* bioreactors
- *RT* corrosion
- *RT* corrosion products
- *RT* oxidizers
- *RT* oxidoreductases
- *RT* redox potential
- *RT* redox reactions
- *RT* reduction
- *RT* sesame process
- *RT* sulfation
- *RT* thiobacillus ferroxidans
- *RT* thiobacillus oxidans
- *RT* wet oxidation processes

oxidation state
- Use valence

OXIDE MINERALS
INIS: Apr 1984; ETDE: May 1982
(The UF terms below have been valid ETDE descriptors.)
- UF *wulfenite*
- UF+ *aeschynite*
- UF+ *cerianite*
- UF+ *coesite*
- UF+ *curite*
- UF+ *davidite*
- UF+ *demesmaekerite*
- UF+ *francevillite*
- UF+ *gummite*
- UF+ *hatchettolite*
- UF+ *iriginite*
- UF+ *masuyite*
- UF+ *moluranite*
- UF+ *strelkinite*
- UF+ *umohoite*
- UF+ *uranothorianite*
- UF+ *zeunerite*
- BT1 minerals
- **NT1** baddeleyite
- **NT1** bastnaesite
- **NT1** becquerelite
- **NT1** billietite
- **NT1** brannerite
- **NT1** chrysoberyl
- **NT1** clarkeite
- **NT1** compreignacite
- **NT1** corundum
  - **NT2** ruby
  - **NT2** sapphire
- **NT1** corvusite
- **NT1** cristobalite
- **NT1** ellsworthite
- **NT1** ferghanite
- **NT1** ferrite garnets
- **NT1** gibbsite
- **NT1** goethite
- **NT1** guilleminite
- **NT1** hallimondite
- **NT1** heinrichite
- **NT1** hematite
- **NT1** hollandite
- **NT1** ianthinite
- **NT1** ilmenite
- **NT1** kahlerite
- **NT1** kaolin
- **NT1** kirchheimerite
- **NT1** limonite
- **NT1** lodochnikite
- **NT1** lyndochite
- **NT1** magnetite
- **NT1** marignacite
- **NT1** melanovanadite
- **NT1** moctezumite
- **NT1** mullite
- **NT1** naegite
- **NT1** nogizawalite
- **NT1** nordstrandite
- **NT1** novacekite
- **NT1** para-schoepite
- **NT1** pascoite
- **NT1** perovskite
- **NT1** quartz
- **NT1** rauvite
- **NT1** rutile
- **NT1** schoepite
- **NT1** sengierite
- **NT1** silica
  - **NT2** opals
- **NT1** spinels
- **NT1** stishovite
- **NT1** tantalite
- **NT1** tapiolite
- **NT1** thorianite
- **NT1** tyuyamunite
- **NT1** uraninites

NT2 broeggerite
NT2 pitchblende
NT1 uranium black
NT1 wolframite
NT1 zirconolite
RT aluminium oxides
RT arsenic oxides
RT barium oxides
RT calcium oxides
RT cerium oxides
RT cobalt oxides
RT copper oxides
RT hafnium oxides
RT iron oxides
RT kimberlites
RT lead oxides
RT magnesium oxides
RT manganese oxides
RT molybdenum oxides
RT niobium oxides
RT perovskites
RT potassium oxides
RT selenium oxides
RT shales
RT silicon oxides
RT sodium oxides
RT tantalum oxides
RT tellurium oxides
RT thorium oxides
RT titanium oxides
RT tungsten oxides
RT uranium oxides
RT vanadium oxides
RT zirconium oxides

OXIDES

UF+ *actinium oxides*
UF+ *fermium oxides*
UF+ *helium oxides*
UF+ *mendelevium oxides*
UF+ *neon oxides*
UF+ *nobelium oxides*
BT1 chalcogenides
BT1 oxygen compounds
NT1 aluminium oxides
NT1 americium oxides
NT1 antimony oxides
NT1 argon oxides
NT1 arsenic oxides
NT1 barium oxides
NT1 berkelium oxides
NT1 beryllium oxides
NT1 bismuth oxides
NT1 boron oxides
NT1 bromine oxides
NT1 cadmium oxides
NT1 calcium oxides
NT1 californium oxides
NT1 carbon oxides
NT2 carbon dioxide
NT2 carbon monoxide
NT1 cerium oxides
NT1 cesium oxides
NT1 chlorine oxides
NT1 chromium oxides
NT1 cobalt oxides
NT1 copper oxides
NT1 curium oxides
NT1 dysprosium oxides
NT1 einsteinium oxides
NT1 erbium oxides
NT1 europium oxides
NT1 fluorine oxides
NT1 gadolinium oxides
NT1 gallium oxides
NT1 germanium oxides
NT1 gold oxides
NT1 hafnium oxides
NT1 holmium oxides
NT1 indium oxides
NT1 iodine oxides
NT1 iridium oxides
NT1 iron oxides
NT1 krypton oxides
NT1 lanthanum oxides
NT1 lead oxides
NT1 lithium oxides
NT1 lutetium oxides
NT1 magnesium oxides
NT1 manganese oxides
NT1 mercury oxides
NT1 molybdenum oxides
NT2 molybdenum blue
NT1 neodymium oxides
NT1 neptunium oxides
NT1 nickel oxides
NT1 niobium oxides
NT1 nitrogen oxides
NT2 nitric oxide
NT2 nitrogen dioxide
NT2 nitrous oxide
NT1 osmium oxides
NT1 palladium oxides
NT1 phosphorus oxides
NT1 platinum oxides
NT1 plutonium oxides
NT2 plutonium dioxide
NT1 polonium oxides
NT1 potassium oxides
NT1 praseodymium oxides
NT1 promethium oxides
NT1 protactinium oxides
NT1 radium oxides
NT1 radon oxides
NT1 rhenium oxides
NT1 rhodium oxides
NT1 rubidium oxides
NT1 ruthenium oxides
NT1 samarium oxides
NT1 scandium oxides
NT1 selenium oxides
NT1 silicon oxides
NT1 silver oxides
NT1 sodium oxides
NT2 sodium tungsten bronze
NT1 strontium oxides
NT1 sulfur oxides
NT2 sulfur dioxide
NT2 sulfur trioxide
NT1 tantalum oxides
NT1 technetium oxides
NT1 tellurium oxides
NT1 terbium oxides
NT1 thallium oxides
NT1 thorium oxides
NT2 thorotrast
NT1 thulium oxides
NT1 tin oxides
NT1 titanium oxides
NT1 tritium oxides
NT1 tungsten oxides
NT2 sodium tungsten bronze
NT1 uranium oxides
NT2 uranium dioxide
NT2 uranium oxides u3o8
NT2 uranium trioxide
NT1 vanadium oxides
NT1 xenon oxides
NT1 ytterbium oxides
NT1 yttrium oxides
NT2 alloy-in-853
NT1 zinc oxides
NT1 zirconium oxides
RT ceramics
RT corrosion products
RT oxybromides
RT oxycarbides
RT oxychlorides
RT oxyfluorides
RT oxygen additions
RT oxyiodides
RT oxynitrates
RT oxyselenides
RT oxysulfides
RT oxytellurides

OXIDIZERS

INIS: Feb 1983; ETDE: Jan 1977
UF *oxidants*
UF *oxidizing agents*
RT antioxidants
RT oxidation

oxidizing agents

Use oxidizers

OXIDOREDUCTASES

(Code number 1. DEHYDROGENASES, HAEM DEHYDROGENASES, and NUCLEOTIDE DEHYDROGENASES have been valid descriptors.)
UF *dehydrogenases*
UF *haem dehydrogenases*
UF *nucleotide dehydrogenases*
UF *reductases*
*BT1 enzymes
NT1 amine oxidases
NT1 aryl 4-monooxygenase
NT1 diaphorase
NT1 hemiacetal dehydrogenases
NT2 alcohol dehydrogenase
NT2 lactate dehydrogenase
NT1 hydrogenases
NT1 hydroxylases
NT2 tyrosinase
NT1 nitro-group dehydrogenases
NT2 nitrogenase
NT1 oxidases
NT2 cytochrome oxidase
NT2 luciferase
NT1 oxygenases
NT2 mixed-function oxidases
NT1 peroxidases
NT2 catalase
NT1 superoxide dismutase
RT oxidation
RT redox process
RT reduction
RT respiration

OXIMES

UF+ *furildioxime*
*BT1 amines
*BT1 hydroxy compounds
*BT1 organic nitrogen compounds
NT1 benzoinoxime
NT1 dimethylglyoxime
RT aldehydes
RT hydroxylamine
RT ketones

OXINE

INIS: Jul 1980; ETDE: Apr 1975
UF *8-hydroxyquinoline*
UF *8-quinolinol*
*BT1 hydroxy compounds
*BT1 quinolines

oxirans

Use epoxides

oxoacetic acid

Use glyoxylic acid

oxocarboxylic acids

Use keto acids

OXONIUM IONS

UF *hydronium ions*

*BT1 molecular ions
RT hydrogen ions 1 plus
RT radiation chemistry

oxopropane
Use acetone

OXY MODIFIED IN-SITU PROCESS
INIS: Apr 2000; ETDE: Mar 1977
(Before March 1977 GARRETT PROCESS was used for this process.)
UF *garrett process*
BT1 modified in-situ processes
RT oil shales

OXYBROMIDES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 bromine compounds
*BT1 oxyhalides
RT bromides
RT bromine oxides
RT oxides

OXYCARBIDES
INIS: Aug 1984; ETDE: Jun 1976
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 carbon compounds
BT1 oxygen compounds
RT carbides
RT carbon oxides
RT oxides

OXYCHLORIDES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 chlorine compounds
*BT1 oxyhalides
RT chlorides
RT chlorine oxides
RT oxides

OXYFLUORIDES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 fluorine compounds
*BT1 oxyhalides
RT fluorides
RT fluorine oxides
RT oxides

OXYGEN
UF+ *dissolved oxygen*
UF+ *oxygen effect (radiobiology)*
*BT1 nonmetals
RT anoxia
RT biochemical oxygen demand
RT chemical oxygen demand
RT cryogenic fluids
RT ozone

OXYGEN 12
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 oxygen isotopes

OXYGEN 13
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 oxygen isotopes

OXYGEN 14
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 minutes living radioisotopes
*BT1 oxygen isotopes

OXYGEN 14 REACTIONS
INIS: Feb 1992; ETDE: Feb 1992
*BT1 heavy ion reactions

OXYGEN 14 TARGET
BT1 targets

OXYGEN 15
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 minutes living radioisotopes
*BT1 oxygen isotopes

OXYGEN 15 TARGET
INIS: Apr 1976; ETDE: Jul 1976
BT1 targets

OXYGEN 16
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 oxygen isotopes
*BT1 stable isotopes
RT oxygen 16 beams
RT oxygen 16 reactions

OXYGEN 16 BEAMS
*BT1 ion beams
RT oxygen 16

OXYGEN 16 EMISSION DECAY
INIS: Jul 1991; ETDE: Sep 1991
*BT1 heavy ion emission decay

OXYGEN 16 REACTIONS
*BT1 heavy ion reactions
RT oxygen 16

OXYGEN 16 TARGET
BT1 targets

OXYGEN 17
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 oxygen isotopes
*BT1 stable isotopes
RT oxygen 17 reactions

OXYGEN 17 REACTIONS
*BT1 heavy ion reactions
RT oxygen 17

OXYGEN 17 TARGET
BT1 targets

OXYGEN 18
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 oxygen isotopes
*BT1 stable isotopes
RT oxygen 18 beams
RT oxygen 18 reactions

OXYGEN 18 BEAMS
*BT1 ion beams
RT oxygen 18

OXYGEN 18 REACTIONS
*BT1 heavy ion reactions
RT oxygen 18

OXYGEN 18 TARGET
BT1 targets

OXYGEN 19
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 oxygen isotopes
*BT1 seconds living radioisotopes

OXYGEN 20
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 oxygen isotopes
*BT1 seconds living radioisotopes

OXYGEN 21
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 oxygen isotopes
*BT1 seconds living radioisotopes

OXYGEN 22
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 oxygen isotopes
*BT1 seconds living radioisotopes

OXYGEN 23
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 oxygen isotopes

OXYGEN 24
INIS: Feb 1978; ETDE: May 1978
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 oxygen isotopes

OXYGEN 28
INIS: Feb 1979; ETDE: Mar 1979
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 oxygen isotopes

OXYGEN ADDITIONS
RT oxides

OXYGEN COMPLEXES
BT1 complexes

OXYGEN COMPOUNDS
UF+ *aurates*
UF+ *chlorites*
UF+ *polythionates*
UF+ *polythionic acids*
NT1 aluminates
NT1 antimonates
NT1 arsenates
NT1 borates
NT2 borax
NT1 boric acid
NT1 bromates
NT1 bromic acid
NT1 carbonates
NT2 americium carbonates
NT2 ammonium carbonates
NT3 auc
NT2 barium carbonates
NT2 beryllium carbonates
NT2 cadmium carbonates
NT2 calcium carbonates
NT2 cerium carbonates
NT2 cesium carbonates
NT2 cobalt carbonates

NT2 copper carbonates
NT2 erbium carbonates
NT2 europium carbonates
NT2 gadolinium carbonates
NT2 holmium carbonates
NT2 iron carbonates
NT2 lanthanum carbonates
NT2 lead carbonates
NT2 lithium carbonates
NT2 lutetium carbonates
NT2 magnesium carbonates
NT2 manganese carbonates
NT2 molybdenum carbonates
NT2 neodymium carbonates
NT2 neptunium carbonates
NT2 nickel carbonates
NT2 plutonium carbonates
NT2 polycarbonates
NT2 potassium carbonates
NT2 praseodymium carbonates
NT2 rhenium carbonates
NT2 rubidium carbonates
NT2 samarium carbonates
NT2 scandium carbonates
NT2 sodium carbonates
NT2 strontium carbonates
NT2 terbium carbonates
NT2 thallium carbonates
NT2 thorium carbonates
NT2 uranium carbonates
NT2 uranyl carbonates
NT2 ytterbium carbonates
NT2 yttrium carbonates
NT2 zinc carbonates
NT2 zirconium carbonates
NT1 carbonic acid
NT1 chlorates
NT1 chloric acid
NT1 chlorous acid
NT1 chromates
NT1 chromic acid
NT1 chromites
NT1 cuprates
NT1 dichromates
NT1 ferrates
NT1 ferrites
NT1 fluorates
NT1 germanates
NT2 bismuth germanates
NT1 hafnates
NT1 hydroxides
NT2 aluminium hydroxides
NT2 americium hydroxides
NT2 ammonium hydroxides
NT2 antimony hydroxides
NT2 barium hydroxides
NT2 beryllium hydroxides
NT2 bismuth hydroxides
NT2 boron hydroxides
NT2 cadmium hydroxides
NT2 calcium hydroxides
NT2 cerium hydroxides
NT2 cesium hydroxides
NT2 chromium hydroxides
NT2 cobalt hydroxides
NT2 copper hydroxides
NT2 dysprosium hydroxides
NT2 erbium hydroxides
NT2 europium hydroxides
NT2 gadolinium hydroxides
NT2 gallium hydroxides
NT2 hafnium hydroxides
NT2 holmium hydroxides
NT2 indium hydroxides
NT2 iron hydroxides
NT2 lanthanum hydroxides
NT2 lead hydroxides
NT2 lithium hydroxides
NT2 lutetium hydroxides
NT2 magnesium hydroxides
NT2 manganese hydroxides
NT2 molybdenum hydroxides
NT2 neodymium hydroxides
NT2 neptunium hydroxides
NT2 nickel hydroxides
NT2 niobium hydroxides
NT2 platinum hydroxides
NT2 plutonium hydroxides
NT2 potassium hydroxides
NT2 praseodymium hydroxides
NT2 promethium hydroxides
NT2 rubidium hydroxides
NT2 ruthenium hydroxides
NT2 samarium hydroxides
NT2 scandium hydroxides
NT2 silicon hydroxides
NT2 silver hydroxides
NT2 sodium hydroxides
NT2 strontium hydroxides
NT2 tantalum hydroxides
NT2 tellurium hydroxides
NT2 terbium hydroxides
NT2 thorium hydroxides
NT2 thulium hydroxides
NT2 tin hydroxides
NT2 titanium hydroxides
NT2 tungsten hydroxides
NT2 uranium hydroxides
NT2 vanadium hydroxides
NT2 ytterbium hydroxides
NT2 yttrium hydroxides
NT2 zinc hydroxides
NT2 zirconium hydroxides
NT1 hypochlorous acid
NT1 hypofluorous acid
NT1 hypoiodous acid
NT1 hypophosphorous acid
NT1 iodates
NT1 iodic acid
NT1 manganates
NT1 molybdates
NT1 molybdophosphates
NT1 molybdophosphoric acid
NT1 nickelates
NT1 niobates
NT1 nitrates
NT2 aluminium nitrates
NT2 americium nitrates
NT2 ammonium nitrates
NT2 barium nitrates
NT2 berkelium nitrates
NT2 beryllium nitrates
NT2 bismuth nitrates
NT2 cadmium nitrates
NT2 calcium nitrates
NT2 cerium nitrates
NT2 cesium nitrates
NT2 chlorine nitrates
NT2 chromium nitrates
NT2 cobalt nitrates
NT2 copper nitrates
NT2 curium nitrates
NT2 dysprosium nitrates
NT2 einsteinium nitrates
NT2 erbium nitrates
NT2 europium nitrates
NT2 gadolinium nitrates
NT2 gallium nitrates
NT2 hafnium nitrates
NT2 holmium nitrates
NT2 indium nitrates
NT2 iron nitrates
NT2 lanthanum nitrates
NT2 lead nitrates
NT2 lithium nitrates
NT2 lutetium nitrates
NT2 magnesium nitrates
NT2 manganese nitrates
NT2 mercury nitrates
NT2 neodymium nitrates
NT2 neptunium nitrates
NT2 nickel nitrates
NT2 niobium nitrates
NT2 peroxyacetyl nitrate
NT2 petn
NT2 plutonium nitrates
NT2 potassium nitrates
NT2 praseodymium nitrates
NT2 promethium nitrates
NT2 radium nitrates
NT2 rubidium nitrates
NT2 ruthenium nitrates
NT2 samarium nitrates
NT2 scandium nitrates
NT2 silver nitrates
NT2 sodium nitrates
NT2 strontium nitrates
NT2 tellurium nitrates
NT2 terbium nitrates
NT2 thallium nitrates
NT2 thorium nitrates
NT2 thulium nitrates
NT2 titanium nitrates
NT2 uranium nitrates
NT2 uranyl nitrates
NT3 unh
NT2 vanadium nitrates
NT2 ytterbium nitrates
NT2 yttrium nitrates
NT2 zinc nitrates
NT2 zirconium nitrates
NT1 nitric acid
NT1 nitrites
NT1 nitrous acid
NT1 oxides
NT2 aluminium oxides
NT2 americium oxides
NT2 antimony oxides
NT2 argon oxides
NT2 arsenic oxides
NT2 barium oxides
NT2 berkelium oxides
NT2 beryllium oxides
NT2 bismuth oxides
NT2 boron oxides
NT2 bromine oxides
NT2 cadmium oxides
NT2 calcium oxides
NT2 californium oxides
NT2 carbon oxides
NT3 carbon dioxide
NT3 carbon monoxide
NT2 cerium oxides
NT2 cesium oxides
NT2 chlorine oxides
NT2 chromium oxides
NT2 cobalt oxides
NT2 copper oxides
NT2 curium oxides
NT2 dysprosium oxides
NT2 einsteinium oxides
NT2 erbium oxides
NT2 europium oxides
NT2 fluorine oxides
NT2 gadolinium oxides
NT2 gallium oxides
NT2 germanium oxides
NT2 gold oxides
NT2 hafnium oxides
NT2 holmium oxides
NT2 indium oxides
NT2 iodine oxides
NT2 iridium oxides
NT2 iron oxides
NT2 krypton oxides
NT2 lanthanum oxides
NT2 lead oxides

- **NT2** lithium oxides
- **NT2** lutetium oxides
- **NT2** magnesium oxides
- **NT2** manganese oxides
- **NT2** mercury oxides
- **NT2** molybdenum oxides
  - **NT3** molybdenum blue
- **NT2** neodymium oxides
- **NT2** neptunium oxides
- **NT2** nickel oxides
- **NT2** niobium oxides
- **NT2** nitrogen oxides
  - **NT3** nitric oxide
  - **NT3** nitrogen dioxide
  - **NT3** nitrous oxide
- **NT2** osmium oxides
- **NT2** palladium oxides
- **NT2** phosphorus oxides
- **NT2** platinum oxides
- **NT2** plutonium oxides
  - **NT3** plutonium dioxide
- **NT2** polonium oxides
- **NT2** potassium oxides
- **NT2** praseodymium oxides
- **NT2** promethium oxides
- **NT2** protactinium oxides
- **NT2** radium oxides
- **NT2** radon oxides
- **NT2** rhenium oxides
- **NT2** rhodium oxides
- **NT2** rubidium oxides
- **NT2** ruthenium oxides
- **NT2** samarium oxides
- **NT2** scandium oxides
- **NT2** selenium oxides
- **NT2** silicon oxides
- **NT2** silver oxides
- **NT2** sodium oxides
  - **NT3** sodium tungsten bronze
- **NT2** strontium oxides
- **NT2** sulfur oxides
  - **NT3** sulfur dioxide
  - **NT3** sulfur trioxide
- **NT2** tantalum oxides
- **NT2** technetium oxides
- **NT2** tellurium oxides
- **NT2** terbium oxides
- **NT2** thallium oxides
- **NT2** thorium oxides
  - **NT3** thorotrast
- **NT2** thulium oxides
- **NT2** tin oxides
- **NT2** titanium oxides
- **NT2** tritium oxides
- **NT2** tungsten oxides
  - **NT3** sodium tungsten bronze
- **NT2** uranium oxides
  - **NT3** uranium dioxide
  - **NT3** uranium oxides u3o8
  - **NT3** uranium trioxide
- **NT2** vanadium oxides
- **NT2** xenon oxides
- **NT2** ytterbium oxides
- **NT2** yttrium oxides
  - **NT3** alloy-in-853
- **NT2** zinc oxides
- **NT2** zirconium oxides

NT1 oxycarbides

NT1 oxyhalides
- **NT2** oxybromides
- **NT2** oxychlorides
- **NT2** oxyfluorides
- **NT2** oxyiodides

NT1 oxynitrates

NT1 oxyselenides

NT1 oxysulfides

NT1 oxytellurides

NT1 perbromates

NT1 perchlorates
- **NT2** aluminium perchlorates
- **NT2** americium perchlorates
- **NT2** ammonium perchlorates
- **NT2** barium perchlorates
- **NT2** cadmium perchlorates
- **NT2** calcium perchlorates
- **NT2** cerium perchlorates
- **NT2** cesium perchlorates
- **NT2** chromium perchlorates
- **NT2** cobalt perchlorates
- **NT2** copper perchlorates
- **NT2** erbium perchlorates
- **NT2** europium perchlorates
- **NT2** gadolinium perchlorates
- **NT2** hafnium perchlorates
- **NT2** holmium perchlorates
- **NT2** indium perchlorates
- **NT2** iron perchlorates
- **NT2** lanthanum perchlorates
- **NT2** lead perchlorates
- **NT2** lithium perchlorates
- **NT2** magnesium perchlorates
- **NT2** mercury perchlorates
- **NT2** neodymium perchlorates
- **NT2** neptunium perchlorates
- **NT2** potassium perchlorates
- **NT2** praseodymium perchlorates
- **NT2** rubidium perchlorates
- **NT2** samarium perchlorates
- **NT2** scandium perchlorates
- **NT2** silver perchlorates
- **NT2** sodium perchlorates
- **NT2** strontium perchlorates
- **NT2** terbium perchlorates
- **NT2** thulium perchlorates
- **NT2** uranium perchlorates
- **NT2** uranyl perchlorates
- **NT2** ytterbium perchlorates
- **NT2** yttrium perchlorates
- **NT2** zinc perchlorates
- **NT2** zirconium perchlorates

NT1 perchloric acid

NT1 periodates

NT1 periodic acid

NT1 permanganates

NT1 peroxides
- **NT2** benzoyl peroxide
- **NT2** hydrogen peroxide
- **NT2** uranium peroxide

NT1 perrhenates

NT1 persulfates

NT1 persulfuric acid

NT1 pertechnetates

NT1 phosphates
- **NT2** aluminium phosphates
- **NT2** americium phosphates
- **NT2** ammonium phosphates
- **NT2** barium phosphates
- **NT2** beryllium phosphates
- **NT2** bismuth phosphates
- **NT2** boron phosphates
- **NT2** cadmium phosphates
- **NT2** calcium phosphates
- **NT2** cerium phosphates
- **NT2** cesium phosphates
- **NT2** chromium phosphates
- **NT2** cobalt phosphates
- **NT2** copper phosphates
- **NT2** dysprosium phosphates
- **NT2** erbium phosphates
- **NT2** europium phosphates
- **NT2** gadolinium phosphates
- **NT2** gallium phosphates
- **NT2** germanium phosphates
- **NT2** hafnium phosphates
- **NT2** holmium phosphates
- **NT2** indium phosphates
- **NT2** iron phosphates
- **NT2** lanthanum phosphates
- **NT2** lead phosphates
- **NT2** lithium phosphates
- **NT2** lutetium phosphates
- **NT2** magnesium phosphates
- **NT2** manganese phosphates
- **NT2** molybdenum phosphates
- **NT2** neodymium phosphates
- **NT2** nickel phosphates
- **NT2** niobium phosphates
- **NT2** plutonium phosphates
- **NT2** potassium phosphates
- **NT2** praseodymium phosphates
- **NT2** rubidium phosphates
- **NT2** samarium phosphates
- **NT2** scandium phosphates
- **NT2** silicon phosphates
- **NT2** silver phosphates
- **NT2** sodium phosphates
- **NT2** strontium phosphates
- **NT2** superphosphates
- **NT2** tantalum phosphates
- **NT2** technetium phosphates
- **NT2** terbium phosphates
- **NT2** thallium phosphates
- **NT2** thorium phosphates
- **NT2** thulium phosphates
- **NT2** tin phosphates
- **NT2** titanium phosphates
- **NT2** uranium phosphates
- **NT2** uranyl phosphates
- **NT2** vanadium phosphates
- **NT2** ytterbium phosphates
- **NT2** yttrium phosphates
- **NT2** zinc phosphates
- **NT2** zirconium phosphates

NT1 phosphine oxides
- **NT2** cmpo
- **NT2** tbpo
- **NT2** topo
- **NT2** tpo

NT1 phosphoric acid

NT1 phosphorous acid

NT1 plumbates

NT1 pyrophosphates

NT1 rhenates

NT1 selenates

NT1 selenites

NT1 silicates
- **NT2** aluminium silicates
- **NT2** barium silicates
- **NT2** beryllium silicates
- **NT2** boron silicates
- **NT2** cadmium silicates
- **NT2** calcium silicates
- **NT2** cerium silicates
- **NT2** cesium silicates
- **NT2** chromium silicates
- **NT2** cobalt silicates
- **NT2** copper silicates
- **NT2** dysprosium silicates
- **NT2** europium silicates
- **NT2** germanium silicates
- **NT2** hafnium silicates
- **NT2** holmium silicates
- **NT2** iron silicates
- **NT2** lanthanum silicates
- **NT2** lead silicates
- **NT2** lithium silicates
- **NT2** lutetium silicates
- **NT2** magnesium silicates
- **NT2** manganese silicates
- **NT2** molybdenum silicates
- **NT2** neodymium silicates
- **NT2** nickel silicates
- **NT2** niobium silicates
- **NT2** potassium silicates
- **NT2** praseodymium silicates
- **NT2** rubidium silicates
- **NT2** samarium silicates

NT2 scandium silicates
NT2 sodium silicates
NT2 strontium silicates
NT2 tantalum silicates
NT2 thorium silicates
NT2 thulium silicates
NT2 titanium silicates
NT2 uranium silicates
NT2 uranyl silicates
NT2 vanadium silicates
NT2 ytterbium silicates
NT2 yttrium silicates
NT2 zinc silicates
NT2 zirconium silicates
NT1 silicic acid
NT1 stannates
NT2 cadmium stannates
NT1 sulfates
NT2 acid sulfates
NT2 aluminium sulfates
NT2 ammonium sulfates
NT2 antimony sulfates
NT2 barium sulfates
NT2 beryllium sulfates
NT2 bismuth sulfates
NT2 cadmium sulfates
NT2 calcium sulfates
NT2 cerium sulfates
NT2 cesium sulfates
NT2 chromium sulfates
NT2 cobalt sulfates
NT2 copper sulfates
NT2 dysprosium sulfates
NT2 erbium sulfates
NT2 europium sulfates
NT2 gadolinium sulfates
NT2 gallium sulfates
NT2 hafnium sulfates
NT2 holmium sulfates
NT2 indium sulfates
NT2 iridium sulfates
NT2 iron sulfates
NT2 lanthanum sulfates
NT2 lead sulfates
NT2 lithium sulfates
NT2 lutetium sulfates
NT2 magnesium sulfates
NT2 manganese sulfates
NT2 mercury sulfates
NT2 molybdenum sulfates
NT2 neodymium sulfates
NT2 neptunium sulfates
NT2 nickel sulfates
NT2 niobium sulfates
NT2 platinum sulfates
NT2 plutonium sulfates
NT2 potassium sulfates
NT2 praseodymium sulfates
NT2 radium sulfates
NT2 rhenium sulfates
NT2 rubidium sulfates
NT2 ruthenium sulfates
NT2 samarium sulfates
NT2 scandium sulfates
NT2 silver sulfates
NT2 sodium sulfates
NT2 strontium sulfates
NT2 tantalum sulfates
NT2 terbium sulfates
NT2 thallium sulfates
NT2 thorium sulfates
NT2 thulium sulfates
NT2 tin sulfates
NT2 titanium sulfates
NT2 uranium sulfates
NT2 uranyl sulfates
NT2 vanadium sulfates
NT2 ytterbium sulfates
NT2 yttrium sulfates
NT2 zinc sulfates
NT2 zirconium sulfates
NT1 sulfites
NT2 acid sulfites
NT1 sulfuric acid
NT1 sulfurous acid
NT1 tantalates
NT1 technetates
NT1 tellurates
NT1 telluric acid
NT1 titanates
NT2 cadmium titanates
NT2 lithium titanates
NT2 plzt
NT2 pzt
NT2 strontium titanates
NT1 tungstates
NT2 aluminium tungstates
NT2 ammonium tungstates
NT2 barium tungstates
NT2 bismuth tungstates
NT2 cadmium tungstates
NT2 calcium tungstates
NT2 cerium tungstates
NT2 cesium tungstates
NT2 cobalt tungstates
NT2 copper tungstates
NT2 dysprosium tungstates
NT2 erbium tungstates
NT2 gadolinium tungstates
NT2 indium tungstates
NT2 iron tungstates
NT2 lanthanum tungstates
NT2 lead tungstates
NT2 lithium tungstates
NT2 lutetium tungstates
NT2 manganese tungstates
NT2 neodymium tungstates
NT2 nickel tungstates
NT2 potassium tungstates
NT2 praseodymium tungstates
NT2 rubidium tungstates
NT2 samarium tungstates
NT2 scandium tungstates
NT2 silver tungstates
NT2 sodium tungstates
NT2 strontium tungstates
NT2 tantalum tungstates
NT2 thallium tungstates
NT2 tin tungstates
NT2 titanium tungstates
NT2 ytterbium tungstates
NT2 yttrium tungstates
NT2 zinc tungstates
NT2 zirconium tungstates
NT1 tungstophosphates
NT1 tungstophosphoric acid
NT1 vanadates
NT2 potassium vanadates
NT2 uranium vanadates
NT1 water
NT2 drinking water
NT2 feedwater
NT2 fresh water
NT2 ground water
NT3 interstitial water
NT3 magmatic water
NT2 heavy water
NT2 hot water
NT2 rain water
NT3 throughfall
NT2 seawater
NT2 tritium oxides
NT2 waste water
NT3 shale tar water
NT1 zirconates
NT2 plzt
NT2 pzt
RT cyanates
RT hydroxyl radicals
RT isocyanates
RT organic oxygen compounds
RT ozone

oxygen effect (radiobiology)

Use oxygen
AND response modifying factors

OXYGEN ENHANCEMENT RATIO

UF *oer*
RT aerobic conditions
RT anaerobic conditions
RT biological radiation effects
RT let
RT quality factor
RT rbe
RT response modifying factors

OXYGEN ENRICHMENT

INIS: Apr 2000; ETDE: Jul 1979
BT1 enrichment
RT fuel systems
RT fuel-air ratio

oxygen fluorides

Use fluorine oxides

oxygen hydrides

Use water

OXYGEN IONS

*BT1 ions

OXYGEN ISOTOPES

BT1 isotopes
NT1 oxygen 12
NT1 oxygen 13
NT1 oxygen 14
NT1 oxygen 15
NT1 oxygen 16
NT1 oxygen 17
NT1 oxygen 18
NT1 oxygen 19
NT1 oxygen 20
NT1 oxygen 21
NT1 oxygen 22
NT1 oxygen 23
NT1 oxygen 24
NT1 oxygen 28

oxygen logs

Use neutron-gamma logging

OXYGEN METERS

*BT1 meters
RT chemical analysis

OXYGEN PLANTS

INIS: Apr 2000; ETDE: Mar 1981
(Large capacity plants for liquefying air and separating oxygen, e.g., for coal gasification.)
BT1 industrial plants
RT moltox oxygen process

OXYGEN POTENTIAL

INIS: Apr 1981; ETDE: Apr 1981
(Partial molar free enthalpy of oxygen in an oxide phase.)
*BT1 free enthalpy

OXYGENASES

INIS: Apr 1984; ETDE: Jan 1981
(Code number 1.13. From 1974 till March 1997 TRYPTOPHAN OXYGENASE was a valid ETDE descriptor.)
UF *pyrrolase (tryptophan)*
UF *tryptophan oxygenase*
*BT1 oxidoreductases
NT1 mixed-function oxidases

OXYHALIDES
INIS: Nov 1989; ETDE: Dec 1989
- BT1 halogen compounds
- BT1 oxygen compounds
- **NT1** oxybromides
- **NT1** oxychlorides
- **NT1** oxyfluorides
- **NT1** oxyiodides

OXYIODIDES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
- *BT1 iodine compounds
- *BT1 oxyhalides
- *RT* iodides
- *RT* iodine oxides
- *RT* oxides

oxymethylene
Use formaldehyde

OXYNITRATES
INIS: Apr 2000; ETDE: Jan 1975
- BT1 nitrogen compounds
- BT1 oxygen compounds
- *RT* nitrates
- *RT* oxides

OXYSELENIDES
INIS: Apr 2000; ETDE: Feb 1975
- BT1 oxygen compounds
- BT1 selenium compounds
- *RT* oxides
- *RT* selenides

OXYSULFIDES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
- BT1 oxygen compounds
- BT1 sulfur compounds
- *RT* oxides
- *RT* sulfides
- *RT* sulfur oxides

OXYTELLURIDES
INIS: Apr 2000; ETDE: Feb 1975
- BT1 oxygen compounds
- BT1 tellurium compounds
- *RT* oxides
- *RT* tellurides

OXYTETRACYCLINE
- UF *terramycin*
- *BT1 tetracyclines

OXYTOCIN
- *BT1 pituitary hormones
- *RT* parturition
- *RT* uterus

OYSTER CREEK-1 REACTOR
(Forked River, New Jersey, USA)
- *BT1 bwr type reactors

oyster creek-2 reactor
Use forked river-1 reactor

OYSTERS
- *BT1 molluscs
- *RT* seafood

ozark region
Use usa

OZONE
- *RT* atmospheric chemistry
- *RT* oxygen
- *RT* oxygen compounds
- *RT* ozonization

OZONE LAYER
INIS: Feb 1983; ETDE: May 1979
- BT1 layers
- *RT* chlorofluorocarbons
- *RT* climatic change
- *RT* stratosphere

OZONIZATION
INIS: Apr 1992; ETDE: Jul 1980
- BT1 chemical reactions
- *RT* ozone

P

P CODES
- BT1 computer codes

P INVARIANCE
- UF *parity nonconservation*
- UF *space reflection*
- BT1 invariance principles
- *RT* lee-yang theory
- *RT* parity

p-n counters
Use junction detectors

P-N JUNCTIONS
INIS: Jan 1977; ETDE: Jan 1975
- BT1 semiconductor junctions
- *RT* n-type conductors
- *RT* p-type conductors
- *RT* semiconductor materials

P REACTOR
- UF *savannah river plant p reactor*
- *BT1 heavy water moderated reactors
- *BT1 special production reactors

P STATES
- BT1 energy levels

P-TYPE CONDUCTORS
- *BT1 semiconductor materials
- *RT* p-n junctions

P WAVES
(For seismic waves use SEISMIC P WAVES.)
- BT1 partial waves
- *RT* angular momentum
- *RT* quantum mechanics

p waves (seismic)
Use seismic p waves

P1-APPROXIMATION
- UF *approximation (p1)*
- *BT1 spherical harmonics method
- *RT* boltzmann equation
- *RT* perturbation theory

P2-APPROXIMATION
- UF *approximation (p2)*
- *BT1 spherical harmonics method

P3-APPROXIMATION
- UF *approximation (p3)*
- *BT1 spherical harmonics method
- *RT* boltzmann equation
- *RT* perturbation theory

PABA
- UF *aminobenzoic acid-para*
- UF *para-aminobenzoic acid*
- UF *vitamin h-1*
- *BT1 amino acids
- *RT* folic acid
- *RT* vitamin b group

pacemakers
Use cardiac pacemakers

pacific gas diablo canyon-1 reactor
Use diablo canyon-1 reactor

pacific gas diablo canyon-2 reactor
Use diablo canyon-2 reactor

pacific islands
Use oceania

pacific northwest laboratories
Use battelle pacific northwest laboratories

pacific northwest region
Use usa

PACIFIC OCEAN
- UF+ *humboldt bay*
- *BT1 seas
- **NT1** bering sea
- **NT1** china sea
- **NT1** gulf of alaska
- **NT1** gulf of california
- **NT1** puget sound
- **NT1** san francisco bay
- **NT1** santa barbara channel
- **NT1** sequim bay
- **NT1** tasman sea
- *RT* aleutian islands
- *RT* american samoa
- *RT* fiji
- *RT* hawaii
- *RT* indonesia
- *RT* kiribati
- *RT* kurile islands
- *RT* marshall islands
- *RT* micronesia
- *RT* nauru
- *RT* new guinea
- *RT* new hebrides islands
- *RT* new zealand
- *RT* philippines
- *RT* singapore
- *RT* southern oscillation
- *RT* tasmania
- *RT* trust territory of the pacific islands
- *RT* tuvalu
- *RT* us west coast

PACKAGE REACTORS
(Compact power reactors specially designed to simplify shipping and assembly.)
- *BT1 power reactors
- *BT1 transportable reactors

PACKAGING
- *RT* containers
- *RT* packaging rules
- *RT* transport

PACKAGING RULES
INIS: Dec 1976; ETDE: Mar 1978
(Including labelling.)
- UF *labelling (packages)*
- *BT1 regulations
- *RT* packaging
- *RT* transport

packed bed
Use packed beds

PACKED BEDS
INIS: Feb 1992; ETDE: Apr 1992
(Prior to April 1992 this subject was indexed to PACKED BED in ETDE.)
UF *fixed bed*
UF *fixed beds*
UF *packed bed*
RT ebullated bed
RT fluidized beds

packing
Use stowing

packing (column)
Use column packing

PACKINGS
INIS: Apr 2000; ETDE: Feb 1975
UF *cooling tower packing grids*
NT1 column packing
RT cooling towers

PAD DISTRICTS
INIS: Apr 2000; ETDE: Sep 1979
UF *petroleum administration for defense districts*
RT petroleum
RT usa

PADE APPROXIMATION
RT series expansion

PADUCAH PLANT
*BT1 gaseous diffusion plants
*BT1 us aec
*BT1 us doe
*BT1 us erda
RT kentucky

paec
Use philippine atomic energy commission

pah
Use polycyclic aromatic hydrocarbons

pahr
Use after-heat removal

PAIN
BT1 symptoms
RT analgesics
RT anesthesia
RT nervous system

paintings
Use cultural objects

PAINTS
BT1 coatings
NT1 luminous paints
RT corrosion protection
RT pigments

pair conversion
Use internal pair production

PAIR PRODUCTION
(For production of particle pairs only; ion pairs should be indexed to IONIZATION and ION PAIRS.)
UF *production (pair)*
BT1 interactions
BT1 particle production
NT1 internal pair production
RT bethe-heitler theory
RT electron pairs
RT muon pairs

PAIR SPECTROMETERS
*BT1 gamma spectrometers

PAIRING ENERGY
*BT1 binding energy

PAIRING INTERACTIONS
BT1 interactions
RT generator-coordinate method

PAKHRA SYNCHROTRON
*BT1 synchrotrons

PAKISTAN
BT1 asia
BT1 developing countries

pakistan (east)
Use bangladesh

pakistan atomic research reactor
Use parr reactor

PAKS-1 REACTOR
(Paks, Tolna, Hungary)
UF *hungarian paks-1 reactor*
*BT1 wwer type reactors

PAKS-2 REACTOR
(Paks, Tolna, Hungary)
UF *hungarian paks-2 reactor*
*BT1 wwer type reactors

PAKS-3 REACTOR
INIS: Jul 1980; ETDE: Aug 1980
(Paks, Tolna, Hungary)
UF *hungarian paks-3 reactor*
*BT1 wwer type reactors

PAKS-4 REACTOR
INIS: Jul 1980; ETDE: Aug 1980
(Paks, Tolna, Hungary)
UF *hungarian paks-4 reactor*
*BT1 wwer type reactors

palanquin event
Use cratering explosions
AND underground explosions

PALAU
INIS: Apr 2000; ETDE: Dec 1974
*BT1 gold base alloys
*BT1 palladium alloys

palau islands
Use trust territory of the pacific islands

paleocene epoch
Use tertiary period

PALEOCLIMATOLOGY
INIS: Jan 1993; ETDE: Jul 1986
(The study of climates in the geologic past, involving fossil, glacial, isotopic, or other data.)
BT1 paleontology
RT climate models
RT climates
RT climatic change
RT fossils
RT little ice age

paleogene period
Use tertiary period

PALEOMAGNETISM
INIS: Jan 1980; ETDE: Jul 1979
BT1 magnetism
RT geologic ages
RT geomagnetic field
RT plate tectonics

PALEONTOLOGY
NT1 paleoclimatology
RT age estimation
RT biological evolution
RT biological extinction
RT fossils
RT paleotemperature
RT palynology

PALEOTEMPERATURE
INIS: Apr 2000; ETDE: Nov 1985
RT paleontology
RT temperature measurement

PALEOZOIC ERA
INIS: Apr 1992; ETDE: Oct 1977
BT1 geologic ages
NT1 cambrian period
NT1 carboniferous period
NT1 devonian period
NT1 ordovician period
NT1 permian period
NT1 silurian period

PALIMPINON GEOTHERMAL FIELD
INIS: Jun 1992; ETDE: Feb 1984
UF *southern negros geothermal field*
BT1 geothermal fields
RT philippines

PALISADES-1 REACTOR
UF *consumers michigan palisades reactor*
UF *south haven michigan reactor*
*BT1 pwr type reactors

PALLADIUM
*BT1 platinum metals

PALLADIUM 100
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 palladium isotopes

PALLADIUM 101
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 palladium isotopes

PALLADIUM 102
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 palladium isotopes
*BT1 stable isotopes

PALLADIUM 102 TARGET
BT1 targets

PALLADIUM 103
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 palladium isotopes

PALLADIUM 104
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 palladium isotopes
*BT1 stable isotopes

PALLADIUM 104 TARGET
BT1 targets

PALLADIUM 105
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 palladium isotopes

*BT1 stable isotopes

PALLADIUM 105 TARGET
BT1 targets

PALLADIUM 106
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 palladium isotopes
*BT1 stable isotopes

PALLADIUM 106 TARGET
BT1 targets

PALLADIUM 107
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 palladium isotopes
*BT1 seconds living radioisotopes
*BT1 years living radioisotopes

PALLADIUM 107 TARGET
INIS: Jul 1978; ETDE: Nov 1977
BT1 targets

PALLADIUM 108
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 palladium isotopes
*BT1 stable isotopes

PALLADIUM 108 TARGET
BT1 targets

PALLADIUM 109
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 palladium isotopes

PALLADIUM 110
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 palladium isotopes
*BT1 stable isotopes

PALLADIUM 110 REACTIONS
INIS: Feb 1992; ETDE: Feb 1992
*BT1 heavy ion reactions

PALLADIUM 110 TARGET
BT1 targets

PALLADIUM 111
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 palladium isotopes

PALLADIUM 112
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 palladium isotopes

PALLADIUM 113
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 palladium isotopes

PALLADIUM 114
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 palladium isotopes

PALLADIUM 115
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 palladium isotopes
*BT1 seconds living radioisotopes

PALLADIUM 116
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 palladium isotopes
*BT1 seconds living radioisotopes

PALLADIUM 117
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 palladium isotopes
*BT1 seconds living radioisotopes

PALLADIUM 118
INIS: Jul 1976; ETDE: May 1975
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 palladium isotopes
*BT1 seconds living radioisotopes

PALLADIUM 118 REACTIONS
INIS: Dec 1979; ETDE: Jul 1979
*BT1 heavy ion reactions

PALLADIUM 118 TARGET
INIS: Dec 1979; ETDE: Jul 1979
BT1 targets

PALLADIUM 119
INIS: Mar 1991; ETDE: Apr 1991
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 palladium isotopes

PALLADIUM 120
INIS: Apr 1993; ETDE: Jul 1993
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 palladium isotopes

PALLADIUM 93
INIS: Nov 2001; ETDE: Nov 1999
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 palladium isotopes
*BT1 seconds living radioisotopes

PALLADIUM 94
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 palladium isotopes
*BT1 seconds living radioisotopes

PALLADIUM 95
INIS: Sep 1981; ETDE: Sep 1981
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 palladium isotopes
*BT1 seconds living radioisotopes

PALLADIUM 96
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 palladium isotopes

PALLADIUM 97
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 palladium isotopes

PALLADIUM 98
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 palladium isotopes

PALLADIUM 99
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 palladium isotopes

PALLADIUM ADDITIONS
(Alloys containing not more than 1% Pd are listed here.)
RT palladium alloys

PALLADIUM ALLOYS
(Alloys containing more than 1% Pd.)
*BT1 platinum metal alloys
NT1 palau
NT1 palladium base alloys
RT palladium additions

PALLADIUM ARSENIDES
INIS: Sep 1991; ETDE: Jul 1976
*BT1 arsenides
*BT1 palladium compounds

PALLADIUM BASE ALLOYS
*BT1 palladium alloys

PALLADIUM BORIDES
INIS: Sep 1991; ETDE: Jan 1975
*BT1 borides
*BT1 palladium compounds

PALLADIUM BROMIDES
INIS: May 1979; ETDE: Mar 1979
*BT1 bromides
*BT1 palladium compounds

PALLADIUM CARBIDES
*BT1 carbides
*BT1 palladium compounds

PALLADIUM CHLORIDES
*BT1 chlorides
*BT1 palladium compounds

PALLADIUM COMPLEXES
*BT1 transition element complexes

PALLADIUM COMPOUNDS
UF+ *palladium hydroxides*
UF+ *palladium nitrates*
UF+ *palladium nitrides*

BT1 transition element compounds
NT1 palladium arsenides
NT1 palladium borides
NT1 palladium bromides
NT1 palladium carbides
NT1 palladium chlorides
NT1 palladium fluorides
NT1 palladium hydrides
NT1 palladium iodides
NT1 palladium oxides
NT1 palladium phosphides
NT1 palladium selenides
NT1 palladium silicides
NT1 palladium sulfides
NT1 palladium tellurides

PALLADIUM FLUORIDES
*BT1 fluorides
*BT1 palladium compounds

PALLADIUM HYDRIDES
*BT1 hydrides
*BT1 palladium compounds

palladium hydroxides
Use hydroxides
AND palladium compounds

PALLADIUM IODIDES
*BT1 iodides
*BT1 palladium compounds

PALLADIUM IONS
*BT1 ions

PALLADIUM ISOTOPES
BT1 isotopes
NT1 palladium 100
NT1 palladium 101
NT1 palladium 102
NT1 palladium 103
NT1 palladium 104
NT1 palladium 105
NT1 palladium 106
NT1 palladium 107
NT1 palladium 108
NT1 palladium 109
NT1 palladium 110
NT1 palladium 111
NT1 palladium 112
NT1 palladium 113
NT1 palladium 114
NT1 palladium 115
NT1 palladium 116
NT1 palladium 117
NT1 palladium 118
NT1 palladium 119
NT1 palladium 120
NT1 palladium 93
NT1 palladium 94
NT1 palladium 95
NT1 palladium 96
NT1 palladium 97
NT1 palladium 98
NT1 palladium 99

palladium nitrates
Use nitrates
AND palladium compounds

palladium nitrides
Use nitrides
AND palladium compounds

PALLADIUM OXIDES
*BT1 oxides
*BT1 palladium compounds

PALLADIUM PHOSPHIDES
INIS: Apr 2000; ETDE: Oct 1975
*BT1 palladium compounds
*BT1 phosphides

PALLADIUM SELENIDES
INIS: Apr 2000; ETDE: Mar 1976
*BT1 palladium compounds
*BT1 selenides

PALLADIUM SILICIDES
INIS: Oct 1976; ETDE: Feb 1976
*BT1 palladium compounds
*BT1 silicides

PALLADIUM SULFIDES
INIS: Oct 1976; ETDE: Jan 1975
*BT1 palladium compounds
*BT1 sulfides

PALLADIUM TELLURIDES
INIS: Feb 1978; ETDE: Jun 1976
*BT1 palladium compounds
*BT1 tellurides

PALM OIL
INIS: Jun 2001; ETDE: Nov 1999
*BT1 vegetable oils
RT oil palms

palmitic acid
Use hexadecanoic acid

PALO DURO BASIN
INIS: Apr 2000; ETDE: Feb 1984
BT1 permian basin
RT radioactive waste disposal
RT texas

PALO VERDE-1 REACTOR
(Wintersburg, Arizona, USA)
*BT1 pwr type reactors
RT ce standard reactor

PALO VERDE-2 REACTOR
(Wintersburg, Arizona, USA)
*BT1 pwr type reactors
RT ce standard reactor

PALO VERDE-3 REACTOR
(Wintersburg, Arizona, USA)
*BT1 pwr type reactors
RT ce standard reactor

PALO VERDE-4 REACTOR
INIS: Jul 1978; ETDE: Jun 1978
(Wintersburg, Arizona, USA)
*BT1 pwr type reactors
RT ce standard reactor

PALO VERDE-5 REACTOR
INIS: Jul 1978; ETDE: Jun 1978
(Wintersburg, Arizona, USA)
*BT1 pwr type reactors
RT ce standard reactor

PALUEL-1 REACTOR
INIS: May 1981; ETDE: Jun 1981
*BT1 pwr type reactors

PALUEL-2 REACTOR
INIS: Jul 1981; ETDE: Aug 1981
*BT1 pwr type reactors

PALUEL-3 REACTOR
INIS: Jul 1981; ETDE: Aug 1981
*BT1 pwr type reactors

PALUEL-4 REACTOR
INIS: Jul 1981; ETDE: Aug 1981
*BT1 pwr type reactors

PALYNOLOGY
INIS: Apr 2000; ETDE: Jan 1986
(The study of pollen and spores of plants, including their dispersal and applications in stratigraphy and paleoecology.)
RT paleontology
RT pollen
RT stratigraphy

PAMCO PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Spencer chemical company process for direct catalytic conversion of coal to synthetic crude oil by hydrogenation during and after solvent extraction.)
*BT1 coal liquefaction

PAMELA PLANT
INIS: Feb 1988; ETDE: Feb 1988
(Vitrification plant for high-level radioactive wastes in Mol, Belgium.)
*BT1 radioactive waste facilities
RT high-level radioactive wastes
RT pilot plants
RT radioactive waste processing
RT vitrification

PAMPUS STORAGE RING
INIS: Sep 1977; ETDE: Nov 1977
(Photons for Atomic and Molecular Processes and Universal Studies storage ring facility in Amsterdam.)
BT1 storage rings

PAN
UF *pyridineazohydroxynaphthalene*
UF *pyridylazonaphthol*
*BT1 diazo compounds
*BT1 naphthols
*BT1 pyridines

PANAMA
*BT1 central america
BT1 developing countries

PANAMA CANAL
BT1 surface waters

panama canal zone
Use central america

PANCREAS
BT1 digestive system
*BT1 endocrine glands
RT amylase
RT chymotrypsin
RT glucagon
RT insulin
RT trypsin

PANELS
INIS: Aug 1992; ETDE: Apr 1985
RT underground mining
RT walls

panindco process
Use coal gasification

PANOFSKY RATIO
(Charge exchange to capture ratio.)
RT capture
RT photoproduction

PANSTWOWA AGENCJA ATOMISTYKI
INIS: Jan 1992; ETDE: Feb 1992
*BT1 polish organizations

PANTEX PLANT
INIS: Sep 1977; ETDE: Nov 1976
*BT1 us doe

*BT1 us erda
RT texas

PANTOTHENIC ACID
UF *vitamin b-5*
*BT1 amino acids
*BT1 hydroxy acids
*BT1 vitamin b group
RT alanine-beta

PAPAIN
(Code number 3.4.22.2.)
*BT1 sh-proteinases

PAPAVER SOMNIFERUM
*BT1 magnoliopsida
*BT1 medicinal plants
RT morphine
RT opium

PAPAYAS
*BT1 fruits

PAPER
RT dielectric materials
RT paper industry

paper chromatography
Use chromatography

PAPER INDUSTRY
INIS: Mar 1992; ETDE: Jan 1977
*BT1 wood products industry
RT forestry
RT paper
RT printing and publishing industry
RT wood

papp
Use amines
AND ketones

paprika
Use peppers

papua
Use papua new guinea

PAPUA NEW GUINEA
INIS: Feb 1992; ETDE: Oct 1978
(Prior to February 1992, this was indexed by NEW GUINEA.)
UF *papua*
*BT1 new guinea

para-aminobenzoic acid
Use paba

PARA-SCHOEPITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 uranium minerals
RT uranium oxides

parabanic acid
Use imidazoles
AND organic oxygen compounds

PARABIOSIS
BT1 mosaicism
RT blood circulation

PARABOLAS
INIS: Apr 2000; ETDE: Jan 1975
BT1 shape

PARABOLIC COLLECTORS
INIS: Mar 1992; ETDE: Jun 1977
*BT1 concentrating collectors
NT1 parabolic dish collectors
NT1 parabolic trough collectors
RT parabolic reflectors

PARABOLIC DISH COLLECTORS
INIS: Mar 1992; ETDE: Oct 1978
UF *circular point collectors*
UF *parabolic point collectors*
*BT1 parabolic collectors
RT parabolic dish reflectors

PARABOLIC DISH REFLECTORS
INIS: Apr 2000; ETDE: Apr 1981
*BT1 parabolic reflectors
RT parabolic dish collectors

parabolic point collectors
Use parabolic dish collectors

PARABOLIC REFLECTORS
INIS: Apr 2000; ETDE: Jan 1975
*BT1 solar reflectors
NT1 parabolic dish reflectors
NT1 parabolic trough reflectors
RT cassegrainian concentrators
RT compound parabolic concentrators
RT mirrors
RT parabolic collectors
RT parabolic trough collectors
RT reflection

PARABOLIC TROUGH COLLECTORS
INIS: Mar 1992; ETDE: Oct 1978
UF *cylindrical parabolic collectors*
*BT1 parabolic collectors
RT parabolic reflectors
RT parabolic trough reflectors

PARABOLIC TROUGH REFLECTORS
INIS: Apr 2000; ETDE: Apr 1981
*BT1 parabolic reflectors
RT parabolic trough collectors

paracharge
Use particle properties

PARACHUTES
INIS: Apr 2000; ETDE: Apr 1975
RT aerodynamics
RT reentry

PARADISE STEAM PLANT
INIS: Apr 2000; ETDE: Sep 1978
*BT1 fossil-fuel power plants
RT tennessee valley authority

PARADOX BASIN
INIS: Jul 1986; ETDE: Mar 1984
(An area of about 10,000 square miles in southeastern Utah and southwestern Colorado underlain by a series of salt-core anticlines.)
RT colorado
RT radioactive waste disposal
RT utah

PARAELECTRIC RESONANCE
(Resonant rotation of electric dipoles in ionic crystals.)
UF *per*
*BT1 electric resonance

PARAFFIN
*BT1 alkanes
*BT1 waxes
RT shielding materials

paraffin removal
Use dewaxing

paraffins
Use alkanes

paragenes
Use plasmids

paragenesis
See geologic deposits
OR petrogenesis

paragonite
Use mica

PARAGUAY
INIS: Feb 1982; ETDE: Apr 1975
BT1 developing countries
*BT1 south america

PARAHO PROCESS
INIS: Apr 2000; ETDE: May 1975
(An oil shale processing method in which heat transfer during the vertical-kiln retorting process is effected by internal combustion of spent shale carbon residue. An alternative method makes use of hot recycle gas with no combustion in the retort.)
RT oil shales

PARALLEL PROCESSING
INIS: Nov 1985; ETDE: Jan 1984
(The concurrent or simultaneous execution of more than one program, or the handling of input for more than one operation at the same time.)
UF *multiprocessing*
BT1 programming
RT algorithms
RT cedar computers
RT computers
RT memory management
RT task scheduling
RT vector processing

paramagnetic resonance (electron acoustic)
Use acoustic esr

paramagnetic resonance (electron)
Use electron spin resonance

paramagnetic resonance (nuclear acoustic)
Use acoustic nmr

paramagnetic resonance (nuclear)
Use nuclear magnetic resonance

PARAMAGNETISM
BT1 magnetism
RT van vleck theory

PARAMECIUM
*BT1 ciliata

parameter computers
Use digital computers

PARAMETRIC AMPLIFIERS
*BT1 amplifiers
RT frequency converters

PARAMETRIC ANALYSIS
INIS: Mar 1992; ETDE: Mar 1980
(Experimental or theoretical study of the changes in the characteristics of a system due to changes in design or operating parameters.)
NT1 prony method
RT mathematical models
RT multi-parameter analysis
RT optimization
RT response functions
RT sensitivity analysis
RT systems analysis

PARAMETRIC INSTABILITIES
UF *non-linear plasma instabilities*
UF *nonlinear plasma instabilities*
*BT1 plasma macroinstabilities
RT alternating current
RT electric fields

PARAMETRIC OSCILLATORS
INIS: Jun 1994; ETDE: Dec 1978
*BT1 oscillators
RT optical equipment

PARASITES
UF+ *claviceps*
NT1 ascaridae
NT2 ascaris
NT1 fusarium
NT1 helminths
NT2 platyhelminths
NT3 cestodes
NT3 trematodes
NT4 fasciola
NT4 schistosoma
NT3 turbellaria
NT4 planaria
NT1 mildew
NT1 sporozoa
NT2 babesidae
NT2 plasmodium
NT1 trypanosoma
NT1 ustilago
NT1 viruses
NT2 aids virus
NT2 bacteriophages
NT2 influenza viruses
NT2 measles virus
NT2 oncogenic viruses
NT3 adenovirus
NT3 leukemia viruses
NT3 polyoma virus
NT2 polio virus
NT2 simian virus
NT2 tobacco mosaic virus
NT2 vaccinia virus
RT disease vectors
RT filariasis
RT fungi
RT hookworm
RT hydatidosis
RT insects
RT invertebrates
RT microorganisms
RT mites
RT nematodes
RT parasitic diseases
RT pest control
RT pest eradication
RT pesticides
RT plant diseases
RT protozoa
RT screwworm fly
RT sterile male technique
RT trypanosomes

PARASITIC DISEASES
INIS: Dec 1982; ETDE: Jan 1981
*BT1 infectious diseases
NT1 fascioliasis
NT1 filariasis
NT1 hydatidosis
NT1 malaria
NT1 schistosomiasis
NT1 trichinosis
NT1 trypanosomiasis
RT dictyocaulus
RT hookworm
RT host
RT parasites

PARASTATISTICS
INIS: Jan 1977; ETDE: Apr 1977
RT bose-einstein statistics
RT fermi statistics
RT field algebra
RT statistical mechanics

parasympathetic nervous system
Use autonomic nervous system

PARASYMPATHOLYTICS
*BT1 autonomic nervous system agents
NT1 atropine
NT1 nicotine
RT autonomic nervous system
RT neuroregulators
RT parasympathomimetics
RT sympatholytics
RT sympathomimetics

PARASYMPATHOMIMETICS
*BT1 autonomic nervous system agents
NT1 acetylcholine
NT1 eserine
NT1 nicotine
NT1 pilocarpine
RT autonomic nervous system
RT neuroregulators
RT parasympatholytics
RT sympatholytics
RT sympathomimetics
RT vagus

PARATHION
INIS: May 1976; ETDE: Aug 1976
*BT1 insecticides
*BT1 organic nitrogen compounds
*BT1 organic phosphorus compounds
*BT1 thiophosphoric acid esters

PARATHORMONE
*BT1 peptide hormones
RT bone tissues
RT calcium
RT parathyroid glands

PARATHYROID GLANDS
*BT1 endocrine glands
RT calcitonin
RT hyperparathyroidism
RT neck
RT parathormone
RT thyroid

PARATUNKA GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Apr 1975
BT1 geothermal fields

paratyphoid
Use bacterial diseases

paris convention-third party liability
Use pcotpl

PARITY
(Prior to July 1996 MINAMI AMBIGUITY was a valid ETDE descriptor.)
SF *minami ambiguity*
BT1 particle properties
RT morrison rule
RT p invariance
RT quantum numbers

parity nonconservation
Use p invariance

PARKA REACTOR
INIS: Feb 1979; ETDE: Dec 1976
(LASL critical assembly.)
UF *lasl critical assembly*
*BT1 zero power reactors

parks
See everglades national park
OR public lands
OR recreational areas
OR yellowstone national park

parks (energy)
Use energy parks

parks (nuclear)
Use nuclear parks

parr carolinas cvtr reactor
Use cvtr reactor

PARR REACTOR
(Pakistan Atomic Energy Commission, Islamabad, Pakistan)
UF *islamabad reactor pakistan*
UF *pakistan atomic research reactor*
UF *rawalpindi research reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors

parsonsite
Use phosphate minerals
AND uranium minerals

part-time work schedules
Use alternative work schedules

parthenium argentatum
Use guayule

parthenogenesis
Use reproduction

PARTIAL BODY IRRADIATION
UF *shielded organs*
*BT1 external irradiation
RT abscopal radiation effects
RT local irradiation
RT spatial dose distributions

partial conservation axial currents
Use pcac theory

partial conservation vector current
Use pcvc theory

PARTIAL DIFFERENTIAL EQUATIONS
INIS: Dec 1982; ETDE: Nov 1980
*BT1 differential equations
NT1 boltzmann equation
NT1 boltzmann-vlasov equation
NT2 plasma fluid equations
NT1 continuity equations
NT1 diffusion equations
NT2 neutron diffusion equation
NT1 equations of motion
NT1 fokker-planck equation
NT1 fourier heat equation
NT1 grad-shafranov equation
NT1 hamilton-jacobi equations
NT1 korteweg-de vries equation
NT1 lagrange equations
NT1 laplace equation
NT1 maxwell equations
NT1 navier-stokes equations
NT1 poisson equation
NT1 proca equations
NT1 wave equations
NT2 dirac equation

NT2 klein-gordon equation
NT2 schroedinger equation
RT cauchy problem
RT dirichlet problem

PARTIAL MOLAL VOLUME

INIS: Apr 2000; ETDE: Sep 1975
(Partial molal volume is the change in volume of a solution which would be brought about by the addition of one mole of solute to such a large amount of solution that the composition of the solution remains essentially unchanged.)
RT thermodynamic properties

PARTIAL OXIDATION PROCESSES

INIS: Apr 2000; ETDE: Jan 1975
BT1 chemical reactions
BT1 thermochemical processes
RT autothermal reformer processes
RT hydrocarbons
RT hydrogen production
RT shell gasification process

PARTIAL PRESSURE

INIS: Jul 1985; ETDE: Nov 1981
(The pressure that would be exerted by one component of a mixture of gases if it were present alone in a container.)
*BT1 thermodynamic properties
RT dissolved gases

PARTIAL WAVES

NT1 d waves
NT1 f waves
NT1 p waves
NT1 s waves
RT angular momentum
RT cdd poles
RT dispersion relations
RT linear absorption models
RT n-d method
RT omnes-muskhelishvili method
RT phase shift
RT quantum mechanics
RT scattering
RT scattering amplitudes

PARTICLE BEAM FUSION ACCELERATOR

INIS: Sep 1982; ETDE: Mar 1980
UF *pbfa*
BT1 accelerators
RT electron beam fusion accelerator
RT inertial confinement
RT ion beam fusion reactors

particle-beam weapons

Use directed-energy weapons

PARTICLE BEAMS

BT1 beams
NT1 hyperon beams
NT2 lambda particle beams
NT2 sigma particle beams
NT1 lepton beams
NT2 electron beams
NT2 muon beams
NT2 neutrino beams
NT3 antineutrino beams
NT2 positron beams
NT1 meson beams
NT2 eta meson beams
NT2 kaon beams
NT2 pion beams
NT1 nucleon beams
NT2 neutron beams
NT2 proton beams
RT beam neutralization
RT directed-energy weapons
RT ion beams
RT photon beams
RT pomeranchuk theorem
RT q-shift

PARTICLE BOOSTERS

(First stage of a multistage accelerator.)
UF *boosters (particle)*
RT accelerators
RT beam injection

PARTICLE-CORE COUPLING MODEL

INIS: Jan 1977; ETDE: Apr 1977
UF *particle-core model*
UF *particle-rotor model*
*BT1 nuclear models
RT coupling
RT nuclear structure

particle-core model

Use particle-core coupling model

PARTICLE DECAY

SF *disintegration (nuclear particles)*
BT1 decay
NT1 electromagnetic particle decay
NT1 hadronic particle decay
NT1 radiative decay
NT1 weak particle decay
NT2 leptonic decay
NT2 semileptonic decay
NT2 weak hadronic decay
RT multiple production
RT particle production

PARTICLE DISCRIMINATION

(Particle or radiation discrimination in a mixed field.)
BT1 particle identification
RT measuring methods
RT radiation detection
RT resolution

PARTICLE-HOLE MODEL

*BT1 nuclear models
RT aligned coupling scheme
RT weak-coupling model

PARTICLE IDENTIFICATION

NT1 particle discrimination

particle-induced x-ray emission analysis

Use x-ray emission analysis

PARTICLE INFLUX

UF *influx (particles)*
RT particle losses
RT plasma impurities
RT thermonuclear fuels
RT wall effects

PARTICLE INTERACTIONS

BT1 interactions
NT1 annihilation
NT1 charged-current interactions
NT1 coherent production
NT1 electron-quark interactions
NT1 electroproduction
NT1 exclusive interactions
NT2 semi-exclusive interactions
NT1 gluon-gluon interactions
NT1 hadron-hadron interactions
NT2 baryon-baryon interactions
NT3 hyperon-hyperon interactions
NT3 nucleon-antinucleon interactions
NT4 antiproton-neutron interactions
NT4 neutron-antineutron interactions
NT4 proton-antineutron interactions
NT4 proton-antiproton interactions
NT3 nucleon-hyperon interactions
NT3 nucleon-nucleon interactions
NT4 neutron-neutron interactions
NT4 proton-nucleon interactions
NT5 proton-neutron interactions
NT5 proton-proton interactions
NT2 meson-baryon interactions
NT3 meson-hyperon interactions
NT4 kaon-hyperon interactions
NT4 pion-hyperon interactions
NT3 meson-nucleon interactions
NT4 kaon-nucleon interactions
NT5 kaon-neutron interactions
NT6 kaon minus-neutron interactions
NT6 kaon neutral-neutron interactions
NT6 kaon plus-neutron interactions
NT5 kaon-proton interactions
NT6 kaon minus-proton interactions
NT6 kaon neutral-proton interactions
NT6 kaon plus-proton interactions
NT4 pion-nucleon interactions
NT5 pion-neutron interactions
NT6 pion minus-neutron interactions
NT6 pion plus-neutron interactions
NT5 pion-proton interactions
NT6 pion minus-proton interactions
NT6 pion plus-proton interactions
NT2 meson-meson interactions
NT3 kaon-kaon interactions
NT3 pion-kaon interactions
NT3 pion-pion interactions
NT1 inclusive interactions
NT2 semi-inclusive interactions
NT1 incoherent production
NT1 lepton-hadron interactions
NT2 lepton-baryon interactions
NT3 lepton-nucleon interactions
NT4 deep inelastic scattering
NT4 electron-nucleon interactions
NT5 electron-neutron interactions
NT5 electron-proton interactions
NT4 lepton-neutron interactions
NT5 antilepton-neutron interactions
NT6 antineutrino-neutron interactions
NT4 lepton-proton interactions
NT5 antilepton-proton interactions
NT6 antineutrino-proton interactions
NT4 muon-nucleon interactions
NT5 muon-neutron interactions
NT5 muon-proton interactions
NT4 neutrino-nucleon interactions
NT5 antineutrino-nucleon interactions
NT6 antineutrino-neutron interactions
NT6 antineutrino-proton interactions
NT5 neutrino-neutron interactions
NT6 antineutrino-neutron interactions
NT5 neutrino-proton interactions
NT6 antineutrino-proton interactions
NT2 lepton-meson interactions
NT3 electron-meson interactions
NT4 electron-pion interactions

NT3 muon-meson interactions
NT3 neutrino-meson interactions
NT1 lepton-lepton interactions
NT2 electron-electron interactions
NT2 electron-muon interactions
NT2 electron-positron interactions
NT2 muon-muon interactions
NT2 neutrino-electron interactions
NT3 antineutrino-electron interactions
NT2 neutrino-muon interactions
NT2 neutrino-neutrino interactions
NT2 positron-positron interactions
NT1 neutral-current interactions
NT1 photon-hadron interactions
NT2 photon-baryon interactions
NT3 photon-hyperon interactions
NT3 photon-nucleon interactions
NT4 photon-neutron interactions
NT4 photon-proton interactions
NT2 photon-meson interactions
NT1 photon-lepton interactions
NT2 photon-electron interactions
NT2 photon-muon interactions
NT2 photon-neutrino interactions
NT1 photon-photon interactions
NT1 photoproduction
NT2 primakoff effect
NT1 quark-antiquark interactions
NT1 quark-gluon interactions
NT1 quark-hadron interactions
NT1 quark-quark interactions
RT centauro-type events
RT coherent tube model
RT four momentum transfer
RT longitudinal momentum
RT morrison rule
RT multiple production
RT particle kinematics
RT particle production
RT polarized products
RT s channel
RT straight-line path approximation
RT string models
RT t channel
RT transverse energy
RT transverse momentum
RT u channel

PARTICLE KINEMATICS

UF *kinematics (particle)*
RT angular correlation
RT collisions
RT conservation laws
RT decay
RT distribution
RT equations of motion
RT particle interactions
RT particle rapidity

PARTICLE LOSSES

INIS: Mar 1983; ETDE: Mar 1983
BT1 losses
RT energy losses
RT particle influx
RT plasma confinement
RT plasma disruption

PARTICLE MOBILITY

BT1 mobility
NT1 electron mobility
NT1 ion mobility

PARTICLE MODELS

UF *models (particle)*
BT1 mathematical models
NT1 coherent tube model
NT1 composite models
NT2 bootstrap model
NT2 cim model
NT2 parton model
NT2 quark model
NT3 bag model
NT3 color model
NT3 flavor model
NT3 string models
NT4 superstring models
NT1 correlated-particle models
NT1 diffraction models
NT1 dual absorption model
NT1 extended particle model
NT2 bag model
NT2 string models
NT3 superstring models
NT1 feynman gas model
NT1 fireball model
NT1 gluon model
NT1 hard collision models
NT1 higgs model
NT1 isobar model
NT1 jet model
NT1 lee model
NT1 linear absorption models
NT1 nova model
NT1 octet model
NT1 peripheral models
NT2 baryon-exchange models
NT2 boson-exchange models
NT3 obe model
NT4 ope model
NT5 electric born model
NT3 sigma model
NT2 multiperipheral model
NT3 cluster emission model
NT4 space-time model
NT1 strong-coupling model
NT1 tensor dominance model
NT1 thermodynamic model
NT2 hydrodynamic model
NT1 uncorrelated-particle model
NT1 unified gauge models
NT2 grand unified theory
NT3 standard model
NT2 weinberg-salam gauge model
NT1 van hove model
NT1 vector dominance model
NT1 veneziano model
NT2 dual resonance model
RT harmonic oscillator models
RT leading particles
RT limiting fragmentation
RT optical models
RT particle multiplets
RT particle structure
RT statistical models
RT structure functions
RT urbaryons

PARTICLE MULTIPLETS

BT1 multiplets
NT1 baryon decuplets
NT1 baryon octets
NT1 meson nonets
NT1 meson octets
RT okubo mass formula
RT particle models
RT spectra

PARTICLE PRODUCTION

UF *production (particle)*
UF *production mechanisms*
UF *production mechanisms (particle)*
UF+ *cumulative effect*
UF+ *diffractive dissociation*
NT1 coherent production
NT1 electroproduction
NT1 incoherent production
NT1 multiple production
NT2 pionization
NT1 pair production
NT2 internal pair production
NT1 photoproduction
NT2 primakoff effect
RT blankenbecler-sugar equations
RT hydrodynamic model
RT leading particles
RT mixing ratio
RT particle decay
RT particle interactions
RT regeneration

PARTICLE PROPERTIES

(Use only for data compilations or papers of a similar broad nature; otherwise use the specific terms listed below.)
UF *paracharge*
NT1 chirality
NT1 form factors
NT2 dirac form factors
NT2 electromagnetic form factors
NT2 pauli form factors
NT1 g parity
NT1 helicity
NT1 hypercharge
NT1 isospin
NT1 mass difference
NT1 parity
NT1 particle radii
NT1 particle rapidity
NT1 particle widths
NT1 spin
NT1 strangeness
RT lifetime
RT limiting values
RT quantum numbers
RT spin orientation

PARTICLE RADII

(For quantum objects only; otherwise use PARTICLE SIZE.)
UF *charge radius (particle)*
UF *mass radius (particle)*
BT1 particle properties
RT nuclear radii
RT particle structure

PARTICLE RAPIDITY

(Defined as (1/2)ln((E+p)/(E-p)); widely used in high energy physics.)
UF *rapidity*
BT1 particle properties
RT kinetic energy
RT longitudinal momentum
RT particle kinematics
RT scale invariance

PARTICLE RESUSPENSION

INIS: Sep 1977; ETDE: Jul 1976
UF *resuspension*
UF *resuspension (particles)*
RT aerodynamics
RT aerosols
RT air pollution
RT chemical effluents
RT diffusion
RT dispersions
RT dusts
RT earth crust
RT fallout
RT radioactive aerosols
RT radioactive effluents
RT radionuclide migration
RT surface air
RT wind

particle-rotor model

Use particle-core coupling model

PARTICLE SIZE
(For quantum objects see PARTICLE RADII.)
BT1 size
RT aerosols
RT agglomeration
RT ceramography
RT colloids
RT dispersions
RT droplets
RT dusts
RT elutriation
RT microspheres
RT particle size classifiers
RT particles
RT powders

PARTICLE SIZE CLASSIFIERS
INIS: Jan 1977; ETDE: Mar 1977
BT1 equipment
RT classification
RT particle size
RT screens
RT separation processes
RT sorting
RT trommels

PARTICLE SOURCES
BT1 radiation sources
NT1 alpha sources
NT1 antiproton sources
NT1 beta sources
NT1 deuteron sources
NT1 electron sources
NT2 pierce electron guns
NT1 neutron sources
NT2 neutron generators
NT2 nisus facility
NT1 positron sources
NT1 proton sources
RT ion sources

PARTICLE STRUCTURE
(Prior to June 1996 BACH-TAMAID THEORY was a valid ETDE descriptor.)
SF *bach-tamaid theory*
RT emc effect
RT landau quasi particles
RT particle models
RT particle radii
RT string models
RT structure functions
RT superstring models
RT urbaryons

PARTICLE TRACKS
UF *prongs*
UF *tracks*
NT1 fission tracks
RT dielectric track detectors
RT etching
RT image scanners
RT particles
RT pattern recognition
RT trajectories

PARTICLE WIDTHS
BT1 particle properties
RT lifetime

PARTICLES
(When appropriate, see the more specific descriptors listed under CHARGED PARTICLES, ELEMENTARY PARTICLES, and QUASIPARTICLES.)
UF *fragments (particles)*
UF+ *fallout particulates*
UF+ *radioactive particulates*
NT1 droplets
NT1 interstellar grains
NT1 particulates
NT2 total suspended particulates
RT aerosols
RT colloids
RT condensation nuclei
RT dispersions
RT dusts
RT elutriation
RT granular materials
RT micellar systems
RT particle size
RT particle tracks
RT powders
RT sedimentation
RT virial theorem
RT viruses

particles (fuel)
Use fuel particles

PARTICULATES
INIS: Jun 1983; ETDE: Sep 1981
(Prior to August 1991, this concept was indexed to AEROSOLS and PARTICLES.)
UF *airborne particles*
UF *airborne particulates*
UF *waterborne particles*
UF *waterborne particulates*
BT1 particles
NT1 total suspended particulates
RT aerosols
RT air pollution
RT air pollution monitoring
RT ashes
RT dispersions
RT dusts
RT fly ash
RT water pollution

PARTITION
(Not to be used in connection with ion exchange or ion exchange chromatography.)
RT arrhenius equation
RT equilibrium
RT gas chromatography
RT solvent extraction

partition chromatography
Use chromatography

PARTITION FUNCTIONS
BT1 functions
RT statistical mechanics
RT thermodynamics

PARTON MODEL
*BT1 composite models
RT deep inelastic scattering
RT partons
RT quark model

PARTONS
INIS: Feb 1980; ETDE: Mar 1980
*BT1 postulated particles
RT parton model
RT quarks

PARTURITION
UF *birth*
RT oxytocin
RT pregnancy
RT progeny

pas
Use amino acids

PASCAL
INIS: Apr 2000; ETDE: Dec 1985
BT1 programming languages

PASCHEN-BACK EFFECT
RT fine structure
RT zeeman effect

paschen curve
Use paschen law

PASCHEN LAW
UF *paschen curve*
UF *paschen minimum*
RT breakdown
RT electric discharges
RT electric potential
RT gases
RT spark gaps

PASCHEN LINES
RT spectra

paschen minimum
Use paschen law

PASCO BASIN
INIS: Jun 1992; ETDE: Aug 1984
*BT1 columbia river basin
RT hanford reservation
RT radioactive waste disposal
RT washington

PASCOITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 radioactive minerals
RT calcium oxides
RT vanadium oxides

PASSAMAQUODDY POWER PLANT
INIS: Apr 2000; ETDE: Nov 1975
*BT1 tidal power plants

passengers
Use occupants

PASSIVATION
RT corrosion protection

PASSIVE SOLAR COOLING SYSTEMS
INIS: Apr 2000; ETDE: Jul 1977
*BT1 solar cooling systems
NT1 bead walls
NT1 drum walls
NT1 roof ponds
RT curtains
RT solar architecture

PASSIVE SOLAR HEATING SYSTEMS
INIS: Aug 1987; ETDE: Jul 1977
*BT1 solar heating systems
NT1 bead walls
NT1 direct gain systems
NT1 drum walls
NT1 roof ponds
NT1 thermic diode solar panels
NT1 trombe walls
NT1 water walls
RT attached greenhouses
RT curtains
RT double envelope buildings
RT load collector ratio
RT solar air heaters
RT solar architecture

PASSIVE SOLAR WATER HEATERS
INIS: Apr 2000; ETDE: Jan 1981
*BT1 solar water heaters
NT1 thermic diode solar panels
RT thermosyphon effect

PASSIVITY
RT corrosion
RT corrosion resistance

PASTEURIZATION
*BT1 food processing
NT1 radicidation
RT preservation
RT sterilization

PASTURES
INIS: Dec 1979; ETDE: May 1979
RT cattle
RT forage
RT gramineae
RT rangelands

PAT REACTOR
INIS: Apr 2000; ETDE: Jun 1975
(Land-based submarine prototype reactor.)
UF *prototype a terre*
*BT1 pwr type reactors
*BT1 research reactors
*BT1 test reactors

PATENT LAWS
INIS: Dec 1976; ETDE: Mar 1978
(Prior to December 1990, this descriptor was spelled PATENT LAW.)
BT1 laws

PATENTS
(Use only for items about patents, not for items which are patents.)
BT1 document types
RT inventions
RT legal aspects
RT licensing
RT specifications

patgas process
Use coal gasification

PATH INTEGRALS
Jul 2003
BT1 integrals
NT1 feynman path integral

PATHE GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Apr 1975
BT1 geothermal fields
RT geothermal hot-water systems
RT mexico

PATHFINDER REACTOR
UF *sioux falls pathfinder reactor*
*BT1 bwr type reactors

PATHOGENESIS
NT1 carcinogenesis
NT2 leukemogenesis
RT aids
RT diseases
RT pathogens
RT pathological changes

PATHOGENS
INIS: May 1981; ETDE: May 1979
(Disease-producing agents, usually refers to living organisms.)
RT anti-infective agents
RT disease vectors
RT diseases
RT fungi
RT microorganisms
RT pathogenesis
RT pathological changes

PATHOLOGICAL CHANGES
NT1 abscesses
NT1 allergy
NT1 ascites
NT1 atrophy
NT1 biological shock
NT1 calcinosis
NT1 caries
NT1 chlorosis
NT1 cysts
NT1 edema
NT1 emphysema
NT1 epilation
NT1 fibrosis
NT1 fistulae
NT1 hemolysis
NT1 hemorrhage
NT1 hypertrophy
NT1 inflammation
NT1 jaundice
NT1 malformations
NT2 congenital malformations
NT3 downs syndrome
NT1 necrosis
NT2 gangrene
NT2 osteoradionecrosis
NT1 splenomegaly
NT1 ulcers
RT diseases
RT granulomas
RT leukopenia
RT pathogenesis
RT pathogens
RT pathology
RT symptoms

PATHOLOGY
RT autopsy
RT diseases
RT medicine
RT pathological changes

PATIENTS
RT human populations
RT man
RT medicine
RT therapy

PATTERN RECOGNITION
INIS: May 1976; ETDE: Dec 1975
(Identification of shapes and patterns without active human participation.)
UF+ *fingerprinting (oil spills)*
UF+ *oil spill fingerprinting*
RT data processing
RT diagrams
RT display devices
RT identification systems
RT image scanners
RT image tubes
RT images
RT particle tracks
RT visibility

PATTERSON METHOD
BT1 calculation methods
RT crystallography
RT diffraction methods

pauli exclusion principle
Use pauli principle

PAULI FORM FACTORS
*BT1 form factors

pauli matrices
Use pauli spin operators

PAULI PRINCIPLE
UF *exclusion principle*
UF *pauli exclusion principle*
RT occupation number
RT quantum mechanics

PAULI SPIN OPERATORS
UF *pauli matrices*
*BT1 angular momentum operators
RT spin

PAUZHETSK GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Jan 1975
BT1 geothermal fields
RT geothermal hot-water systems

PAVEMENTS
INIS: May 1992; ETDE: Jun 1978
RT asphalts
RT building materials
RT concretes
RT roads

pavia triga-mk-2 reactor
Use triga-2-pavia reactor

pawling research reactor
Use prr reactor

PAYBACK PERIOD
INIS: Apr 1986; ETDE: Mar 1978
(Time required for the cost savings from a new installation to equal the initial capital investment.)
RT cost
RT economics
RT financial incentives
RT investment
RT life-cycle cost

PBF REACTOR
UF *national reactor testing station burst facility*
UF *power burst facility usaec*
*BT1 pulsed reactors
*BT1 tank type reactors

pbfa
Use particle beam fusion accelerator

PBI
UF *protein-bound iodine*
*BT1 organic iodine compounds
*BT1 proteins
RT blood chemistry
RT blood-plasma clearance
RT cpb
RT hyperthyroidism
RT hypothyroidism
RT radiotherapy
RT thyroid hormones

PBR REACTOR
(NASA, Lewis Research Center, Plum Brook Station, Sandusky, Ohio, USA)
UF *nasa-test reactor*
UF *nasa-tr reactor*
UF *plum brook nasa-tr*
UF *plum brook reactor facility*
*BT1 enriched uranium reactors
*BT1 materials testing reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

PBX DEVICES
INIS: Nov 1988; ETDE: Oct 1983
(A modification of the PDX device with a rearrangement of the divertor coils.)
UF *princeton beta experiment*
*BT1 tokamak devices
RT pdx devices
RT poloidal field divertors

pca
Use polar-cap absorption

pca-lasl facility
Use plasma core assembly

pca-ornl reactor
Use ornl-pca reactor

PCAC THEORY
UF *partial conservation axial currents*
RT axial-vector currents
RT current algebra

pcb
Use polychlorinated biphenyls

pcb (polychlorinated biphenyl)
Use polychlorinated biphenyls

pcm accidents
Use power-cooling-mismatch accidents

PCOTPL
(Paris Convention on Third Party Liability)
UF *liability conv on third party, paris*
UF *paris convention-third party liability*
UF *third party liability convention, paris*
*BT1 international agreements
RT bcstpc
RT civil liability
RT liabilities
RT nuclear liability

pcr
Use polymerase chain reaction

PCTR REACTOR
(Pacific Northwest Lab., Battelle Memorial Institute, Richland, Washington, USA)
UF *physical constants test reactor*
UF *richland physical constants test reactor*
*BT1 enriched uranium reactors
*BT1 graphite moderated reactors
*BT1 research reactors
*BT1 thermal reactors

PCV SYSTEMS
INIS: Apr 2000; ETDE: Mar 1979
UF *positive crankcase ventilation systems*
*BT1 pollution control equipment
RT automobiles
RT internal combustion engines

PCVC THEORY
UF *partial conservation vector current*
RT current algebra
RT vector currents

PDP COMPUTERS
*BT1 dec computers

PDP REACTOR
UF *process development pile*
UF *savannah river process development reactor*
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 zero power reactors
RT enriched uranium reactors
RT natural uranium reactors

pdu
Use process development units

PDX DEVICES
INIS: Jul 1978; ETDE: Nov 1977
UF *poloidal divertor experiment*
*BT1 tokamak devices
RT pbx devices
RT poloidal field divertors

pe-16
Use alloy-ni43fe33cr16mo3

pea plant
Use pisum

PEACE RIVER
INIS: Jun 1992; ETDE: Nov 1975
*BT1 rivers
RT alberta
RT british columbia

PEACE RIVER DEPOSIT
INIS: Jun 1992; ETDE: Apr 1975
*BT1 oil sand deposits
RT alberta
RT canada
RT oil sands

PEACH BOTTOM-1 REACTOR
(York county, Pennsylvania, USA)
UF *htgr peach bottom reactor*
*BT1 enriched uranium reactors
*BT1 helium cooled reactors
*BT1 htgr type reactors
*BT1 power reactors
*BT1 thermal reactors

PEACH BOTTOM-2 REACTOR
(York county, Pennsylvania, USA)
*BT1 bwr type reactors

PEACH BOTTOM-3 REACTOR
(York county, Pennsylvania, USA)
*BT1 bwr type reactors

PEACHES
*BT1 fruits
RT fruit trees
RT rosaceae

PEAK LOAD
INIS: Dec 1982; ETDE: Sep 1979
(Maximum instantaneous load or maximum average load over a designated interval of time.)
UF *peak power*
RT electric utilities
RT load analysis
RT load management
RT power demand

PEAK-LOAD PRICING
INIS: Apr 1984; ETDE: Mar 1976
BT1 prices
RT electric power
RT load management
RT off-peak power
RT power meters
RT public utilities
RT time-of-use pricing

peak power
Use peak load

PEAKING POWER PLANTS
INIS: Oct 1992; ETDE: Feb 1979
BT1 power plants
NT1 compressed air storage power plants
NT1 pumped storage power plants
RT capacitive energy storage equipment
RT compressed air energy storage equipment
RT gas turbine power plants
RT hydroelectric power plants
RT load management
RT magnetic energy storage equipment
RT off-peak energy storage
RT thermal energy storage equipment
RT thermal power plants

PEAKS
NT1 escape peaks
RT pulse rise time
RT transients

PEANUT OIL
*BT1 triglycerides
*BT1 vegetable oils

PEANUTS
UF *groundnuts*
BT1 seeds
RT leguminosae
RT proteins

pearl pulsations
Use pulsations

pearl spar
See ankerite
OR dolomite

PEARLITE
(An aggregate in steel of ferrite and cementite.)
UF *perlite (iron-carbon alloy)*
RT cast iron
RT cementite
RT ferrite
RT steels

PEARS
*BT1 fruits
RT rosaceae

PEAS
BT1 seeds
*BT1 vegetables
RT pisum

PEAT
*BT1 fossil fuels
*BT1 organic matter
*BT1 solid fuels
RT coal
RT soils

PEATGAS PROCESS
INIS: Apr 2000; ETDE: Aug 1978
(Dilute-phase, concurrent short-residence time hydrogasification and fluidized-bed nonslagging char gasification.)
*BT1 coal gasification
BT1 sng processes

peatlands
Use wetlands

PEBBLE BED REACTORS
*BT1 gas cooled reactors
*BT1 solid homogeneous reactors
NT1 avr reactor
NT1 thtr-300 reactor
NT1 vg-400 reactor
NT1 vgr-50 reactor

PEBBLE SPRINGS-1 REACTOR
(Arlington, Oregon, USA)
*BT1 pwr type reactors

PEBBLE SPRINGS-2 REACTOR
(Arlington, Oregon, USA)
*BT1 pwr type reactors

PEC BRASIMONE REACTOR
UF *brasimone pec reactor*
*BT1 fbr type reactors
*BT1 power reactors

PECAN TREES
INIS: Jan 1992; ETDE: May 1979
*BT1 magnoliopsida
*BT1 trees

PECTINS
*BT1 blood substitutes
*BT1 polysaccharides
RT galacturonic acid
RT glucuronic acid

peculiar a-stars
Use magnetic stars

PEDIATRICS
BT1 medicine
RT children
RT congenital malformations

peening
Use shot peening

pegase critical experiments
Use peggy reactor

PEGASE REACTOR
(Cadarache Nuclear Research Center, France.)
UF *cadarache fuel element testing reactor*
*BT1 enriched uranium reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

PEGGY REACTOR
UF *pegase critical experiments*
*BT1 enriched uranium reactors
*BT1 water cooled reactors
*BT1 water moderated reactors
*BT1 zero power reactors

PEGMATITES
(Exceptionally coarse grained igneous rocks, with interlocking crystals, usually found as irregular dikes, lenses, or veins, esp. at the margins of batholiths.)
*BT1 plutonic rocks
RT feldspars
RT granites
RT mica
RT xenotime

PEIERLS METHOD
UF *kapur-peierls method*
UF *wigner method*
RT bremsstrahlung
RT compound nuclei
RT cross sections
RT photoneutrons

PEIERLS-NABARRO FORCE
RT crystal structure
RT dislocations

pelargonic acid
Use nonanoic acid

PELINDABA TREATY
INIS: Jan 1999; ETDE: Jan 1999
(Treaty for the prohibition of nuclear weapons in Africa.)
BT1 treaties
RT arms control
RT nuclear weapons

PELINDUNA REACTOR
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 zero power reactors

PELLET INJECTION
INIS: Mar 1983; ETDE: Mar 1983
UF *injection (pellets)*
RT fuel feeding systems
RT fuel pellets
RT thermonuclear fuels
RT thermonuclear reactor fueling

PELLETIZING
INIS: Feb 1981; ETDE: Oct 1975
*BT1 molding
RT agglomeration
RT breeding pellets
RT briquetting
RT compacting
RT fuel pellets
RT moderator pellets
RT waste pellets

PELLETRON ACCELERATORS
INIS: Dec 1979; ETDE: Jan 1980
UF *pelletrons*
*BT1 electrostatic accelerators
NT1 5u pelletron accelerator

pelletrons
Use pelletron accelerators

PELLETS
INIS: Apr 2000; ETDE: Oct 1976
NT1 absorber pellets
NT1 breeding pellets
NT1 fuel pellets
NT1 moderator pellets
NT1 waste pellets

pellicularia
Use eumycota

PELVIS
BT1 body
RT bladder
RT female genitals
RT gonads
RT rectum

penalties
Use charges

pendulums
See mechanical vibrations
OR oscillations
OR time measurement

PENELEC PROCESS
INIS: Apr 2000; ETDE: Apr 1975
(A process for desulfurization of flue gas using V catalyst to oxidize sulfur dioxide to sulfur trioxide.)
*BT1 desulfurization
RT sulfur

penetrant inspection (liquid)
Use liquid penetrant inspection

PENETRATION DEPTH
INIS: Nov 1978; ETDE: Jun 1975
(May be used in any field; in particular in the field of superconductivity it is the depth to which an external magnetic field penetrates a superconductor.)
RT ginzburg-landau theory
RT skin effect
RT superconductivity

PENETRATORS
INIS: Apr 2000; ETDE: Oct 1975
NT1 earth penetrators
NT2 subterrene penetrators
RT weapons

PENETROMETERS
INIS: May 1992; ETDE: Jan 1975
BT1 measuring instruments

PENFOLD-LEISS METHOD
RT bremsstrahlung

PENICILLAMINE
UF *mercaptoaminoisovaleric acid*
UF *mercaptovaline*
*BT1 amino acids
BT1 chelating agents
*BT1 radioprotective substances
*BT1 thiols

PENICILLIN
*BT1 antibiotics

PENICILLIUM
*BT1 eumycota

PENLY-1 REACTOR
INIS: Jul 1984; ETDE: Sep 1984
*BT1 pwr type reactors

PENNING DISCHARGES
UF *pig discharges*
BT1 electric discharges
RT penning ion sources
RT sputter-ion pumps

PENNING EFFECT
RT ionization

penning gages
Use philips gages

PENNING ION SOURCES
UF *pig ion sources*
BT1 ion sources
RT penning discharges

PENNSYLVANIA
*BT1 usa
NT1 pittsburgh
RT allegheny river
RT bettis
RT delaware river
RT monongahela river basin
RT ohio river
RT potomac river basin
RT susquehanna river

pennsylvania state triga reactor
Use pstr reactor

pennsylvania state university research reactor
Use pstr reactor

pennsylvanian period
Use carboniferous period

penrose twistor theory
Use twistor theory

PENSTOCKS
INIS: Oct 1992; ETDE: Mar 1976
*BT1 pipes
RT flow regulators
RT hydraulic turbines
RT hydraulics
RT hydroelectric power plants

PENTACENE
INIS: Apr 2000; ETDE: Sep 1985
UF *2,3,4,7-dibenzoanthracene*
*BT1 condensed aromatics
*BT1 hydrocarbons

pentacyn
Use radioprotective substances

PENTADIENES
INIS: Feb 1981; ETDE: Apr 1975
*BT1 dienes

pentaerythritol tetranitrate
Use petn

PENTAGONAL LATTICES
Sep 2002
*BT1 crystal lattices

pentamethylenediamine
Use cadaverine

pentamethyleneimines
Use piperidines

PENTANE
*BT1 alkanes

pentanedione (2,3)
Use 2-3-pentanedione

pentanoic acid
Use valeric acid

PENTANOLS
UF *amyl alcohols*
UF *pentyl alcohols*
*BT1 alcohols

PENTENES
*BT1 alkenes

pentobarbital
Use nembutal

PENTOSES
*BT1 monosaccharides
NT1 arabinose
NT1 deoxyribose
NT1 ribose
NT1 ribulose
NT1 xylose
RT ribosides

PENTOSYL TRANSFERASES
INIS: Apr 2000; ETDE: Jun 1981
(Code number 2.4.2.)
*BT1 glycosyl transferases
NT1 hypoxanthine phosphoribosyltransferase

pentothal
Use barbiturates
AND organic sulfur compounds

pentyl alcohols
Use pentanols

PENTYL RADICALS
UF *amyl radicals*
*BT1 alkyl radicals

people
Use human populations

peoples democratic republic of yemen
Use yemen

peoples republic of china
Use china

peos
Use plasma switches

pep
Use phosphoenolpyruvate

PEP STORAGE RINGS
UF *positron-electron-proton storage ring*
BT1 storage rings
NT1 epic storage ring

PEPPERS
(Fruit of Capsicum plant.)
UF *paprika*
UF *red peppers*
*BT1 vegetables
RT capsicum
RT spices

pepr devices
Use cathode ray tube digitizers

PEPSIN
(Code numbers 3.4.23.1, 3.4.23.2, and 3.4.23.3.)
*BT1 acid proteinases
RT digestion
RT stomach

PEPTIDE HORMONES
BT1 hormones
*BT1 proteins
NT1 calcitonin
NT1 erythropoietin
NT1 gastrin
NT1 glucagon
NT1 insulin
NT1 leptin
NT1 parathormone
NT1 pituitary hormones
NT2 acth
NT2 gonadotropins
NT3 fsh
NT3 hcg
NT3 lh
NT3 lth
NT2 liberins
NT3 lh-rh
NT2 oxytocin
NT2 sth
NT2 tsh
NT2 vasopressin
NT1 secretin
NT1 thyroid hormones
NT2 diiodothyronine
NT2 thyrocalcitonin
NT2 thyroxine
NT2 triiodothyronine
NT1 thyronine
NT1 trh
RT growth factors
RT lactogens

PEPTIDE HYDROLASES
(Code number 3.4.)
*BT1 hydrolases
NT1 acid proteinases
NT2 pepsin
NT1 aminopeptidases
NT1 carboxypeptidases
NT1 nonspecific peptidases
NT2 renin
NT2 urokinase
NT1 serine proteinases
NT2 chymotrypsin
NT2 fibrinolysin
NT2 kallikrein
NT2 thrombin
NT2 trypsin
NT1 sh-proteinases
NT2 cathepsins
NT2 papain
NT2 streptococcal proteinase
RT proteolysis

PEPTIDES
*BT1 proteins
NT1 cyclosporine
NT1 glycylglycine
NT1 polypeptides
NT2 calcitonin
NT2 endorphins
NT3 enkephalins
NT2 endothelins
NT2 gastrin
NT2 glucagon
NT2 glutathione
NT2 kinins
NT3 bradykinin
NT2 leptin
RT pyrogens

PEPTONE
*BT1 proteins

per
Use paraelectric resonance

PER CAPITA VALUES
INIS: Apr 2000; ETDE: Dec 1981
RT economic analysis
RT energy consumption

peratization procedure
See leptons
OR weak interactions

PERBROMATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 bromine compounds
BT1 oxygen compounds

PERCHLORATES
UF+ *dysprosium perchlorates*
UF+ *lutetium perchlorates*
UF+ *manganese perchlorates*
UF+ *plutonium perchlorates*
UF+ *thallium perchlorates*
UF+ *thorium perchlorates*
*BT1 chlorine compounds
BT1 oxygen compounds
NT1 aluminium perchlorates
NT1 americium perchlorates
NT1 ammonium perchlorates
NT1 barium perchlorates
NT1 cadmium perchlorates
NT1 calcium perchlorates
NT1 cerium perchlorates
NT1 cesium perchlorates
NT1 chromium perchlorates
NT1 cobalt perchlorates
NT1 copper perchlorates
NT1 erbium perchlorates
NT1 europium perchlorates
NT1 gadolinium perchlorates
NT1 hafnium perchlorates
NT1 holmium perchlorates
NT1 indium perchlorates
NT1 iron perchlorates
NT1 lanthanum perchlorates
NT1 lead perchlorates
NT1 lithium perchlorates
NT1 magnesium perchlorates
NT1 mercury perchlorates
NT1 neodymium perchlorates
NT1 neptunium perchlorates
NT1 potassium perchlorates
NT1 praseodymium perchlorates
NT1 rubidium perchlorates
NT1 samarium perchlorates
NT1 scandium perchlorates
NT1 silver perchlorates

NT1 sodium perchlorates
NT1 strontium perchlorates
NT1 terbium perchlorates
NT1 thulium perchlorates
NT1 uranium perchlorates
NT1 uranyl perchlorates
NT1 ytterbium perchlorates
NT1 yttrium perchlorates
NT1 zinc perchlorates
NT1 zirconium perchlorates
RT perchloric acid

PERCHLORIC ACID
*BT1 chlorine compounds
*BT1 inorganic acids
BT1 oxygen compounds
RT perchlorates

PERCUS-YEVICK EQUATION
BT1 equations
RT many-body problem

PERCUSSIVE DRILLS
INIS: Apr 2000; ETDE: Sep 1979
*BT1 drills
RT drill bits

PEREY-BUCK MODEL
UF *perey-wilkins model*
*BT1 nuclear models
RT nonlocal potential
RT optical models

perey-wilkins model
Use perey-buck model

perfect flow
See incompressible flow
OR steady flow

perforated pipe distributors
Use spargers

PERFORATION
INIS: Jan 1987; ETDE: May 1981
RT natural gas wells
RT well completion
RT wells

PERFORMANCE
UF *figure of merit*
RT coefficient of performance
RT efficiency
RT errors
RT f-chart
RT feasibility studies
RT heat rate
RT performance testing
RT productivity
RT reliability
RT resolution
RT spectral response
RT uses

PERFORMANCE TESTING
BT1 testing
RT bioassay
RT certification
RT federal test procedure
RT inspection
RT performance
RT post-irradiation examination
RT quality control

PERFUSED ORGANS
*BT1 organs
RT perfused tissues

PERFUSED TISSUES
INIS: Oct 1975; ETDE: Dec 1975
*BT1 animal tissues
RT perfused organs

perhydroxyl radical
Use hydroperoxy radicals

PERICARDIUM
INIS: Sep 1980; ETDE: Jul 1979
*BT1 heart
*BT1 serous membranes

PERIDOTITES
INIS: Sep 1983; ETDE: Jan 1975
*BT1 plutonic rocks
NT1 kimberlites
RT hornblende
RT olivine
RT silicate minerals

PERINATAL IRRADIATION
(A combination of prenatal and postnatal irradiation.)
BT1 irradiation
RT prenatal irradiation

period (reactor)
Use reactor period

PERIODATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
*BT1 iodine compounds
BT1 oxygen compounds
RT periodic acid

PERIODIC ACID
*BT1 inorganic acids
*BT1 iodine compounds
BT1 oxygen compounds
RT periodates

periodic functions
Use functions
AND periodicity

periodic potentials
Use periodicity
AND potentials

PERIODIC SYSTEM
UF *mendeleev periodic system*
RT atomic number
RT elements

PERIODICITY
UF+ *periodic functions*
UF+ *periodic potentials*
BT1 variations
RT functional analysis
RT group theory
RT measure theory
RT modulation
RT oscillations
RT pulsations
RT set theory
RT topology

periosteum
Use bone tissues

PERIPHERAL COLLISIONS
*BT1 strong interactions
RT impact parameter

PERIPHERAL MODELS
UF *exchange models*
*BT1 particle models
NT1 baryon-exchange models
NT1 boson-exchange models
NT2 obe model
NT3 ope model
NT4 electric born model
NT2 sigma model
NT1 multiperipheral model
NT2 cluster emission model
NT3 space-time model

periphyton
Use aufwuchs

PERISCOPES
BT1 optical systems
RT hot cells
RT hot labs
RT remote handling

PERITONEUM
*BT1 serous membranes
RT abdomen
RT ascites
RT gastrointestinal tract
RT intraperitoneal injection
RT liver
RT mesentery
RT peritonitis
RT spleen

PERITONITIS
*BT1 digestive system diseases
RT peritoneum
RT symptoms

PERKINS-1 REACTOR
(In Davie County, North Carolina, USA.)
*BT1 pwr type reactors

PERKINS-2 REACTOR
(In Davie County, North Carolina, USA.)
*BT1 pwr type reactors

PERKINS-3 REACTOR
(In Davie County, North Carolina, USA.)
*BT1 pwr type reactors

PERLITE
INIS: Sep 1978; ETDE: May 1976
(Volcanic glass that has a concentric shelly structure, appears as if composed of concretions, is usually grayish and sometime spherulitic, and when expanded by heat forms a lightweight aggregate used especially in concrete and plaster.)
*BT1 volcanic rocks
RT glass
RT rhyolites
RT trachytes

perlite (iron-carbon alloy)
Use pearlite

PERMAFROST
INIS: Jul 1992; ETDE: Jan 1976
(Permanently frozen ground, occurring wherever the temperature remains below freezing for several years.)
RT alaska oil pipeline
RT alaskan north slope
RT arctic regions
RT soils

PERMALLOY
UF+ *alloy-ni80fe16mo4*
UF+ *permalloy c*
*BT1 iron alloys
*BT1 nickel alloys

permalloy c
Use nickel base alloys
AND permalloy

PERMANENT MAGNETS
*BT1 magnets
RT magnetic properties

PERMANGANATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
UF+ *potassium permanganates*
*BT1 manganese compounds
BT1 oxygen compounds
RT manganese oxides

PERMEABILITY
UF+ *collector properties*
UF+ *collector properties (rocks)*
UF+ *tight sands*
BT1 physical properties
RT dialysis
RT membranes
RT osmosis
RT plugging
RT porosity

permeability (magnetic)
Use magnetic susceptibility

permeability coefficient (fluid mechanics)
Use hydraulic conductivity

permeability damage
Use formation damage

permeability reduction
Use formation damage

PERMENDUR
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-co50fe50

PERMIAN BASIN
INIS: Apr 2000; ETDE: Feb 1984
(That portion of western Texas, eastern New Mexico, western Oklahoma, southwestern Kansas, and southeastern Colorado that is underlain by bedded salt deposits of Permian age.)
NT1 dalhart basin
NT1 palo duro basin
RT colorado
RT kansas
RT new mexico
RT oklahoma
RT radioactive waste disposal
RT texas

PERMIAN PERIOD
INIS: Apr 1992; ETDE: Oct 1977
UF *rotliegende epoch*
SF *appalachian orogeny*
*BT1 paleozoic era

permit applications
Use license applications

permits
Use licenses

PERMITTIVITY
UF *dielectric constant*
*BT1 dielectric properties

permutit (inorganic)
Use inorganic ion exchangers

permutit (organic)
Use organic ion exchangers

pernicious anemia
Use anemias

PEROVSKITE
(CaTiO/sub 3/.)
*BT1 oxide minerals
*BT1 perovskites
RT calcium oxides
RT kimberlites
RT synroc process
RT titanium oxides

perovskite crystal structure
Use cubic lattices

PEROVSKITES
INIS: Apr 1984; ETDE: Sep 1976
(Minerals with a close-packed lattice and the general formula ABX/sub 3/ where A and B are metals and X is a nonmetal, usually O)
BT1 minerals
NT1 perovskite
RT ferrimagnetic materials
RT oxide minerals
RT sodium tungsten bronze

PEROX PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Method for removal of hydrogen sulfide from waste gases.)
*BT1 desulfurization
RT waste processing

PEROXIDASES
(Code number 1.11)
*BT1 oxidoreductases
NT1 catalase
RT porphyrins

PEROXIDES
UF+ *plutonium peroxide*
BT1 oxygen compounds
NT1 benzoyl peroxide
NT1 hydrogen peroxide
NT1 uranium peroxide
RT peroxyacetyl nitrate

PEROXY RADICALS
BT1 radicals

PEROXYACETYL NITRATE
INIS: Apr 2000; ETDE: Aug 1976
*BT1 nitrates
*BT1 nitric acid esters
RT peroxides

PERRHENATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 oxygen compounds
*BT1 rhenium compounds
RT rhenium oxides

PERRY-1 REACTOR
(Perry, Ohio, USA)
*BT1 bwr type reactors

PERRY-2 REACTOR
(Perry, Ohio, USA)
*BT1 bwr type reactors

PERRYMAN-1 REACTOR
INIS: Jan 1978; ETDE: Sep 1977
(Plant is to be located in northeastern Maryland. The reactor type has not been selected.)
*BT1 enriched uranium reactors
*BT1 power reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

PERRYMAN-2 REACTOR
INIS: Jan 1978; ETDE: Sep 1977
(Plant is to be located in northeastern Maryland. The reactor type has not been selected.)
*BT1 enriched uranium reactors
*BT1 power reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

PERSIAN GULF
INIS: Jun 1992; ETDE: Feb 1975
*BT1 arabian sea
NT1 strait of hormuz

PERSONAL COMPUTERS
INIS: Aug 1988; ETDE: Apr 1985
(Until June 1994 this concept was indexed to MICROCOMPUTERS.)
*BT1 microcomputers
RT data processing

PERSONNEL
(Studies of groups of persons employed in a particular field of endeavor. For studies on individuals in a group see also MAN.)
UF *clerical personnel*
UF *employees*
UF *workers*
SF *labor*
SF *professional personnel*
SF *senior executive service*
NT1 architects
NT1 astronauts
NT1 aviation personnel
NT1 builders
NT1 consultants
NT1 contractor personnel
NT1 craftsmen
NT1 dial painters
NT1 engineers
NT1 medical personnel
NT2 radiological personnel
NT1 military personnel
NT1 miners
NT2 coal miners
NT1 motor vehicle operators
NT1 public officials
NT2 state officials
NT1 reactor operators
NT1 scientific personnel
NT1 security personnel
RT alternative work schedules
RT human factors
RT human factors engineering
RT human populations
RT industrial medicine
RT labor relations
RT man
RT man-machine systems
RT management
RT manpower
RT medical surveillance
RT occupational safety
RT occupations
RT personnel dosimetry
RT personnel monitoring
RT safety
RT security violations
RT wages
RT work
RT working days

PERSONNEL DOSIMETRY
UF *personnel film dosimetry*
BT1 dosimetry
RT external irradiation
RT occupations

RT personnel
RT personnel monitoring
RT thermoluminescent dosemeters

personnel film dosimetry
Use personnel dosimetry

PERSONNEL MANAGEMENT
INIS: Aug 1992; ETDE: Mar 1983
UF *accountability (personnel)*
SF *accountability*
SF *nepotism*
SF *sick leave*
BT1 management

PERSONNEL MONITORING
(To include medical surveillance of early and late radiation effects)
UF+ *excretion analysis*
*BT1 radiation monitoring
RT albedo-neutron dosemeters
RT medical surveillance
RT personnel
RT personnel dosimetry
RT radiation doses
RT radioactivity
RT radionuclide kinetics
RT whole-body counting

PERSPEX
*BT1 plastics
*BT1 polyacrylates

PERSULFATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 oxygen compounds
BT1 sulfur compounds
RT persulfuric acid

PERSULFURIC ACID
BT1 oxygen compounds
BT1 sulfur compounds
RT persulfates
RT sulfuric acid

PERT METHOD
(Program Evaluation and Review Technique.)
UF *cpm*
UF *critical path method*
RT planning
RT schedules

PERTECHNETATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 oxygen compounds
*BT1 technetium compounds
RT technetium oxides

PERTURBATION THEORY
(Prior to August 1996 RITCHIE-ELDRIDGE THEORY was a valid ETDE descriptor.)
UF *reductive perturbation method*
SF *ritchie-eldridge theory*
NT1 hsk procedure
RT adjoint flux
RT born approximation
RT brinkman-kramers approximation
RT mathematics
RT neutron importance function
RT neutron transport theory
RT p1-approximation
RT p3-approximation
RT quantum mechanics
RT quasilinear problems
RT rayleigh-schroedinger formula
RT reactor kinetics
RT scattering

perturbations
Use disturbances

PERTURBED ANGULAR CORRELATION
*BT1 angular correlation
NT1 differential pac
NT1 integral pac
RT nuclear electric moments
RT nuclear magnetic moments

perturbed angular correlation (differential)
Use differential pac

perturbed angular correlation (integral)
Use integral pac

perturbed stationary states method
Use pss method

PERU
BT1 developing countries
*BT1 south america
RT amazon river
RT andes

PERYLENE
*BT1 condensed aromatics

PEST CONTROL
BT1 control
NT1 genetic control
NT1 pest eradication
RT agriculture
RT chemical attractants
RT insects
RT mites
RT parasites
RT pesticides
RT phosphines
RT quarantine
RT rodents
RT sterile insect release
RT sterile male technique

PEST ERADICATION
INIS: Sep 1975; ETDE: Oct 1975
*BT1 pest control
RT insects
RT parasites

PESTICIDES
NT1 fumigants
NT1 fungicides
NT2 cycloheximide
NT1 herbicides
NT1 insecticides
NT2 aldrin
NT2 ddt
NT2 dieldrin
NT2 kepone
NT2 lindane
NT2 malathion
NT2 parathion
RT agriculture
RT disinfectants
RT disinfestation
RT ecosystems
RT grain disinfestation
RT mutagens
RT parasites
RT pest control
RT phosphines
RT pollutants
RT pollution

pet scanning
Use positron computed tomography

PETALITE
INIS: Apr 2000; ETDE: Jan 1983
(A lithium aluminium silicate of unit formula occurring in pegmatites.)
*BT1 silicate minerals
RT aluminium silicates
RT lithium silicates

petawatt lasers
Use lasers
AND petawatt power range

PETAWATT POWER RANGE
Aug 2003
(From 10 exp 15 to 10 exp 18 W.)
UF+ *petawatt lasers*
BT1 power range
NT1 power range 01-10 pw
NT1 power range 10-100 pw
NT1 power range 100-1000 pw

PETHIDINE
UF *demerol*
UF *dolantal*
UF *meperidine*
*BT1 analgesics
*BT1 aromatics
*BT1 monocarboxylic acids
*BT1 narcotics
*BT1 piperidines

petit process
Use desulfurization

PETN
UF *pentaerythritol tetranitrate*
*BT1 chemical explosives
*BT1 nitrates
*BT1 nitric acid esters

PETRA STORAGE RING
INIS: Jul 1976; ETDE: Sep 1976
(Positron-Elektron-Tandem-Ringbeschleuniger Anlage)
BT1 storage rings

petrochemical feedstocks
Use chemical feedstocks
AND petrochemicals

PETROCHEMICAL PLANTS
INIS: Mar 1992; ETDE: Aug 1977
*BT1 chemical plants
RT petrochemicals
RT petroleum refineries

PETROCHEMICALS
INIS: Apr 1992; ETDE: Feb 1975
UF+ *petrochemical feedstocks*
SF *chemicals*
SF *coal chemicals*
BT1 petroleum products
NT1 plastics
NT2 aramids
NT2 bakelite
NT2 formvar
NT2 lucite
NT2 mylar
NT2 nylon
NT2 perspex
NT2 plexiglas
NT2 polystyrene
NT2 polyurethanes
NT3 halthane
NT2 reinforced plastics
NT2 tedlar
NT2 teflon
NT2 thermoplastics

NT1 resins
RT chemical feedstocks
RT chemical plants
RT petrochemical plants
RT synthetic materials

PETROCHEMISTRY
BT1 chemistry
RT cracking
RT mineralogy
RT natural gas
RT petroleum
RT petroleum products

PETROGENESIS
(A branch of petrology that deals with the origin and formation of rocks, esp. igneous rocks. From August 1981 till March 1997 PARAGENESIS was a valid ETDE descriptor.)
SF *paragenesis*
*BT1 petrology
RT diagenesis
RT origin
RT orogenesis
RT rocks
RT tectonics

PETROGRAPHY
INIS: Apr 1984; ETDE: Dec 1976
BT1 geology
RT petrology

PETROLEUM
(Limited to crude oil; see also COAL LIQUIDS, SHALE OIL, etc.)
UF *crude oil*
UF+ *heavy oils*
SF *mineral oil(s)*
SF *petroleum marketing practices act*
*BT1 fossil fuels
NT1 petroleum fractions
NT2 petroleum distillates
NT3 gas oils
NT4 diesel fuels
NT4 fuel oils
NT5 heating oils
NT5 residual fuels
NT4 kerosene
NT2 petroleum residues
NT2 refinery gases
NT1 residual petroleum
NT1 shale oil
NT2 shale oil fractions
NT1 sour crudes
RT alaska oil pipeline
RT deregulation
RT distillation
RT energy conservation and production act
RT floating roof tanks
RT fluidized bed hydrogenation process
RT gas injection
RT gas lifts
RT gas recycle hydrogenation process
RT hydraulic equipment
RT hydrocarbons
RT lightering
RT maturation
RT microemulsion flooding
RT miscible-phase displacement
RT oapec
RT oil spills
RT oil wells
RT oil yields
RT oils
RT opec
RT pad districts
RT petrochemistry
RT petroleum deposits
RT petroleum industry
RT petroleum refineries
RT primary recovery
RT road oils
RT shell gasification process
RT sng processes
RT strategic petroleum reserve
RT synthetic petroleum
RT tanker ships
RT waterflooding

petroleum administration for defense districts
Use pad districts

petroleum coke
Use coke
AND petroleum products

petroleum cooperatives
Use cooperatives
AND petroleum industry

PETROLEUM DEPOSITS
INIS: Aug 1991; ETDE: Feb 1975
BT1 geologic deposits
*BT1 mineral resources
NT1 gas condensate fields
NT1 oil fields
NT1 us naval petroleum reserves
RT acidization
RT anticlines
RT associated gas
RT geologic traps
RT geophysical surveys
RT petroleum
RT petroleum geology
RT powder river basin
RT reserves
RT seeps
RT well logging equipment
RT western us overthrust belt
RT williston basin

PETROLEUM DISTILLATES
INIS: Apr 1992; ETDE: May 1976
(Boiling point range 0-600 degrees c.)
UF *middle distillates*
BT1 distillates
*BT1 petroleum fractions
NT1 gas oils
NT2 diesel fuels
NT2 fuel oils
NT3 heating oils
NT3 residual fuels
NT2 kerosene
RT petroleum products
RT road oils

petroleum ether
Use ligroin

PETROLEUM FRACTIONS
INIS: Apr 1992; ETDE: Sep 1977
(Hydrocarbon mixtures occurring in petroleum that can be characterized by specific physical properties such as boiling range, density and viscosity.)
*BT1 petroleum
NT1 petroleum distillates
NT2 gas oils
NT3 diesel fuels
NT3 fuel oils
NT4 heating oils
NT4 residual fuels
NT3 kerosene
NT1 petroleum residues
NT1 refinery gases
RT petroleum products

PETROLEUM GEOLOGY
INIS: May 1992; ETDE: Mar 1979
BT1 geology
RT exploration
RT natural gas deposits
RT petroleum deposits

PETROLEUM INDUSTRY
INIS: Aug 1991; ETDE: Feb 1975
UF+ *petroleum cooperatives*
BT1 industry
NT1 lpg industry
RT horizontal divestiture
RT horizontal integration
RT mineral industry
RT petroleum
RT petroleum products
RT petroleum refineries
RT resource exploitation
RT vertical divestiture
RT vertical integration
RT windfall profits tax

petroleum marketing practices act
See laws
OR marketing
OR petroleum

PETROLEUM PRODUCTS
UF *finished oils*
UF+ *petroleum coke*
NT1 gas oils
NT2 diesel fuels
NT2 fuel oils
NT3 heating oils
NT3 residual fuels
NT2 kerosene
NT1 gasoline
NT2 unleaded gasoline
NT1 ligroin
NT1 liquefied petroleum gases
NT1 lubricating oils
NT1 petrochemicals
NT2 plastics
NT3 aramids
NT3 bakelite
NT3 formvar
NT3 lucite
NT3 mylar
NT3 nylon
NT3 perspex
NT3 plexiglas
NT3 polystyrene
NT3 polyurethanes
NT4 halthane
NT3 reinforced plastics
NT3 tedlar
NT3 teflon
NT3 thermoplastics
NT2 resins
NT1 refinery gases
NT1 unfinished oils
RT naphtha
RT oils
RT petrochemistry
RT petroleum distillates
RT petroleum fractions
RT petroleum industry
RT petroleum refineries
RT refining
RT sng processes

PETROLEUM REFINERIES
UF *bom refining districts*
BT1 industrial plants
RT activated sludge process
RT distillation
RT distillation equipment
RT entitlements program

RT petrochemical plants
RT petroleum
RT petroleum industry
RT petroleum products
RT refinery gases
RT waste oil refineries

PETROLEUM RESIDUES
INIS: Apr 1992; ETDE: Jan 1975
(Boiling point over 593 degrees c; includes oil residues, residua.)
UF *liquid asphalt*
UF *oil residues*
UF *resid*
UF *residual oils*
*BT1 petroleum fractions
RT residual fuels
RT road oils

petroleum stocks
Use inventories

PETROLEUM SULFONATES
INIS: Apr 2000; ETDE: Aug 1976
(Mixtures of many surfactant compounds of the alkylaryl sulfonate type.)
*BT1 sulfonates
*BT1 sulfonic acid esters

PETROLOGY
(That branch of geology dealing with the origin, occurrence, structure, and history of rocks, esp. igneous and metamorphic rocks.)
BT1 geology
NT1 lithology
NT1 petrogenesis
RT coalification
RT lithotypes
RT macerals
RT petrography
RT rocks

PETROSIX PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process developed by Petrobras, Brazilian National Oil Company that is capable of handling oil shale fines; similar to gas combustion process except that an outside furnace is used for heating of recycle gas.)
RT oil shales

petrov-galerkin method
Use galerkin-petrov method

pett
Use positron computed tomography

petten high flux reactor
Use hfr reactor

petten low flux reactor
Use lfr reactor

petten stek reactor
Use stek reactor

PETULA TOKAMAK
INIS: Nov 1975; ETDE: Dec 1975
*BT1 tokamak devices

PEV RANGE
INIS: Jan 1977; ETDE: Aug 1976
(From 10 exp 15 to 10 exp 18 eV.)
BT1 energy range

PEWEE-1 REACTOR
*BT1 hydrogen cooled reactors
*BT1 space propulsion reactors

PEWEE-2 REACTOR
*BT1 hydrogen cooled reactors
*BT1 space propulsion reactors

PEWEE-3 REACTOR
*BT1 hydrogen cooled reactors
*BT1 space propulsion reactors

PEWEE-4 REACTOR
*BT1 hydrogen cooled reactors
*BT1 space propulsion reactors

PF-1000 DEVICE
INIS: Jul 1999; ETDE: Sep 1999
(Plasma Focus Device, Andrzej Soltan Institute for Nuclear Studies, Poland.)
*BT1 plasma focus devices

PFIRSCH-SCHLUETER REGIME
INIS: Oct 1981; ETDE: Jan 1979
(The transport regime in a tokamak plasma characterized by the mean free path shorter than the connection length. In this regime, the diffusion coefficient is q/sup 2/ times the classical value, where q >/= 1 is the safety factor.)
RT collisional plasma
RT neoclassical transport theory
RT stellarators
RT tokamak devices

PFR REACTOR
UF *dounreay prototype fast reactor*
UF *prototype fast reactor dounreay*
*BT1 lmfbr type reactors
*BT1 power reactors
*BT1 sodium cooled reactors
RT enriched uranium reactors
RT plutonium reactors

PH VALUE
UF *acidity*
UF *neutralization (chemical)*
RT acid neutralizing capacity
RT bases
RT buffers
RT inorganic acids
RT liming
RT nucleic acid denaturation
RT organic acids
RT protein denaturation

PHAEDRUS MIRROR DEVICES
INIS: Feb 1989; ETDE: Mar 1989
*BT1 tandem mirrors

PHAEDRUS-T TOKAMAK
INIS: Jun 1995; ETDE: Jul 1995
(Univ. of Wisconsin, Madison, Wisconsin, USA)
*BT1 tokamak devices

phages
Use bacteriophages

PHAGOCYTES
*BT1 somatic cells
NT1 macrophages
RT leukocytes
RT phagocytosis

PHAGOCYTOSIS
RT amoeba
RT cell constituents
RT excretion
RT immune reactions
RT intracellular digestion
RT macrophages
RT phagocytes
RT reticuloendothelial system

PHANEROCHAETE
INIS: Dec 1991; ETDE: Mar 1979
(Ligninolytic fungus.)
*BT1 eumycota

PHANTOMS
*BT1 mockup
RT biological models
RT depth dose distributions
RT functional models
RT isodose curves
RT radiotherapy
RT tissue-equivalent materials

pharmaceuticals
Use drugs

PHARMACOLOGY
RT antiandrogens
RT drugs

pharmacotherapy
Use chemotherapy

PHARYNX
UF *nasopharynx*
UF *throat*
UF+ *tonsils*
BT1 digestive system
*BT1 organs
BT1 respiratory system
RT neck
RT oral cavity

PHASE CHANGE MATERIALS
INIS: Feb 1992; ETDE: Jul 1978
(Materials that undergo a phase change, e.g. from solid to liquid, at a temperature desired for heat storage.)
BT1 materials
RT eutectics
RT fusion heat
RT latent heat storage
RT phase transformations
RT transition heat

PHASE DIAGRAMS
UF *state diagrams*
*BT1 diagrams
RT allotropy
RT alloy systems
RT critical temperature
RT eutectics
RT eutectoids
RT gases
RT glass
RT liquids
RT melting points
RT microstructure
RT monotectics
RT monotectoids
RT phase rule
RT phase studies
RT phase transformations
RT solid solutions
RT solids
RT thermal analysis
RT triple point

phase factor
Use power factor

PHASE OSCILLATIONS
*BT1 beam dynamics
BT1 oscillations

PHASE RULE
RT phase diagrams

PHASE SHIFT
RT aharonov-bohm effect
RT argand diagrams
RT partial waves
RT scattering

PHASE SPACE
*BT1 mathematical space
RT attractors
RT dalitz plot
RT ergodic hypothesis
RT limit cycle
RT liouville theorem
RT mathematics
RT prism plot

PHASE STABILITY
BT1 stability
RT beam dynamics

PHASE STUDIES
RT phase diagrams
RT phase transformations
RT thermochemical diagrams
RT thermodynamic activity

PHASE TRANSFORMATIONS
UF *transformations (phase)*
UF *transitions (phase)*
NT1 boiling
NT2 film boiling
NT2 nucleate boiling
NT3 departure nucleate boiling
NT2 pool boiling
NT2 subcooled boiling
NT2 transition boiling
NT1 crystal-phase transformations
NT1 crystallization
NT1 evaporation
NT2 flashing
NT2 sublimation
NT2 vacuum evaporation
NT1 freezing
NT1 melting
NT2 electron beam melting
NT2 vacuum melting
NT2 zone melting
NT1 order-disorder transformations
NT1 solidification
NT1 thawing
RT allotropy
RT bifurcation
RT critical temperature
RT dew point
RT eutectics
RT eutectoids
RT glass
RT guinier-preston zones
RT habit planes
RT kosterlitz-thouless theory
RT microstructure
RT phase change materials
RT phase diagrams
RT phase studies
RT shape memory effect
RT supercritical state
RT thermal analysis
RT transition heat
RT transition temperature
RT triple point
RT widmanstaetten structure

PHASE VELOCITY
BT1 velocity
RT wave propagation

PHASEOLUS
UF *bean plant*
*BT1 leguminosae
RT beans
RT mungbeans
RT phytohemagglutinin

phasotrons
Use synchrocyclotrons

ph'chromosome
Use philadelphia chromosome

PHEBUS FACILITY
INIS: Aug 1992; ETDE: Apr 1987
(Neodymium glass laser facility at Limeil, France, for laser fusion experiments.)
RT neodymium lasers

PHEBUS REACTOR
INIS: May 1990; ETDE: Jun 1990
(Nuclear Protection and Safety Institute, CEA St. Paul lez Durance, France.)
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

phenacetin
Use analgesics
AND antipyretics

PHENANTHRENE
*BT1 condensed aromatics
*BT1 hydrocarbons

PHENANTHROLINE-ORTHO
*BT1 phenanthrolines
BT1 reagents
RT ferroin

PHENANTHROLINES
*BT1 azaarenes
NT1 ferroin
NT1 phenanthroline-ortho

PHENAZINE
*BT1 pyrazines

PHENETHYL RADICALS
*BT1 aryl radicals

PHENIX REACTOR
(Marcoule, Gard, France)
UF *marcoule phenix reactor*
*BT1 enriched uranium reactors
*BT1 lmfbr type reactors
*BT1 plutonium reactors
*BT1 power reactors
*BT1 sodium cooled reactors

PHENOBARBITAL
UF *luminal*
*BT1 anticonvulsants
*BT1 barbiturates

PHENOL
UF *hydroxybenzene*
*BT1 phenols

PHENOLATES
INIS: Dec 1979; ETDE: Nov 1976
RT phenols

PHENOLOGY
INIS: Apr 2000; ETDE: Mar 1980
(A branch of science dealing with the relations between climate and periodic biological phenomena.)
RT climates

PHENOLPHTHALEIN
*BT1 carboxylic acid esters
BT1 indicators
*BT1 phenols
RT phthalic acid

PHENOLS
(Prior to June 1996 BAMBP was a valid ETDE descriptor.)
UF *bambp*
UF *butyl-alpha-methylbenzylphenol*
UF+ *amidol*
*BT1 aromatics
*BT1 hydroxy compounds
NT1 cresols
NT1 dinitrophenol
NT1 eriochrome dyes
NT1 naphthols
NT2 1-nitroso-2-naphthol
NT2 nitroso-r salt
NT2 pan
NT2 thorin
NT2 trypan blue
NT1 nitrophenol
NT1 phenol
NT1 phenolphthalein
NT1 picric acid
NT1 polyphenols
NT2 arsenazo
NT2 bromosulfophthalein
NT2 catecholamines
NT2 curcumin
NT2 dopamine
NT2 fluorescein
NT3 erythrosine
NT2 hematoxylin
NT2 morin
NT2 pyridylazoresorcinol
NT2 pyrocatechol
NT2 pyrogallol
NT2 quercetin
NT2 resorcinol
NT2 stilbestrol
NT2 tannic acid
NT2 tiron
NT1 pop
NT1 thymol
NT1 tyramine
NT1 xylenols
RT alkoxides
RT bakelite
RT dephenolization
RT phenolates
RT phenosolvan process

PHENOSOLVAN PROCESS
INIS: Apr 2000; ETDE: Mar 1983
(Proprietary process for extracting phenols from gas liquids by counter current contact with isopropyl ether solvent.)
*BT1 solvent extraction
RT phenols

PHENOTHIAZINES
*BT1 azines
*BT1 organic sulfur compounds
NT1 chlorpromazine
NT1 methylene blue
RT thionine
RT tranquilizers

PHENOTYPE
RT genotype
RT ontogenesis

PHENOXY RADICALS
BT1 radicals

PHENYL ETHER
INIS: Apr 2000; ETDE: Jan 1975
UF+ *dowtherm*
*BT1 ethers

phenyl methyl ether
Use anisole

PHENYL RADICALS
*BT1 aryl radicals

phenylacetylene
Use tolan

phenylacrylic acid-beta
Use cinnamic acid

PHENYLALANINE
UF *aminophenylacetic acid-alpha*
*BT1 amino acids
*BT1 aromatics
RT dopa
RT tyrosine

phenylamine
Use aniline

phenylcarbinol
Use benzyl alcohol

PHENYLENE RADICALS
BT1 radicals

phenylethylene
Use styrene

phenylhydroxylamine
Use cupferron

phenylisopropylamine
Use benzedrine

PHEROMONE
BT1 chemical attractants
BT1 secretion
RT insects
RT sex
RT yeasts

phi-1019 resonances
Use phi-1020 mesons

PHI-1020 MESONS
(Prior to December 1987 this concept was indexed by PHI-1019 RESONANCES.)
UF *phi-1019 resonances*
*BT1 strangeonium
*BT1 vector mesons

PHI-1680 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 strangeonium
*BT1 vector mesons

phi j-1850 mesons
Use phi3-1850 mesons

PHI3-1850 MESONS
INIS: Dec 1987; ETDE: Aug 1995
(Until July 1995 this concept was indexed by PHI J-1850 MESONS.)
UF *phi j-1850 mesons*
*BT1 strangeonium
*BT1 tensor mesons

PHI4-FIELD THEORY
INIS: Feb 1978; ETDE: May 1978
*BT1 quantum field theory
RT boundary conditions
RT haag theorem
RT heisenberg model
RT ising model
RT locality
RT radiative corrections

PHILADELPHIA CHROMOSOME
UF *ph'chromosome*
*BT1 human chromosomes
RT myeloid leukemia

philadelphia electric power reactor-1
Use limerick-1 reactor

philadelphia electric power reactor-2
Use limerick-2 reactor

philco computers
Use computers

PHILIPPINE ATOMIC ENERGY COMMISSION
INIS: Sep 1977; ETDE: Oct 1977
(Philippine Atomic Energy Commission, abolished in 1988 and replaced by the Philippine Nuclear Research Institute.)
UF *paec*
*BT1 philippine nuclear research institute

PHILIPPINE ATOMIC RESEARCH CENTER
INIS: Sep 1977; ETDE: Oct 1977
*BT1 philippine nuclear research institute

philippine nucl res inst
Use philippine nuclear research institute

philippine nuclear power plant-1
Use pnpp-1 reactor

PHILIPPINE NUCLEAR RESEARCH INSTITUTE
INIS: Jun 1990; ETDE: Oct 1990
(Philippine Nuclear Research Institute, created in 1988 and replacing the Philippine Atomic Energy Commission.)
UF *philippine nucl res inst*
*BT1 philippine organizations
NT1 philippine atomic energy commission
NT1 philippine atomic research center

PHILIPPINE ORGANIZATIONS
INIS: Sep 1977; ETDE: Jun 1977
BT1 national organizations
NT1 philippine nuclear research institute
NT2 philippine atomic energy commission
NT2 philippine atomic research center

philippine research reactor-1
Use prr-1 reactor

PHILIPPINES
BT1 asia
BT1 developing countries
BT1 islands
RT pacific ocean
RT palimpinon geothermal field
RT tiwi geothermal field
RT tongonan geothermal field

PHILIPPSBURG-1 REACTOR
UF *kernkraftwerk philippsburg-1*
UF *kkp-1 philippsburg reactor*
*BT1 bwr type reactors

PHILIPPSBURG-2 REACTOR
UF *kernkraftwerk philippsburg-2*
UF *kkp-2 philippsburg reactor*
*BT1 pwr type reactors

PHILIPS GAGES
UF *penning gages*
*BT1 ionization gages
RT sputter-ion pumps

PHIPPS BEND-1 REACTOR
INIS: Jan 1978; ETDE: Dec 1975
(Surgoinsville, Tennessee, USA)
*BT1 bwr type reactors
RT ge standard reactor

PHIPPS BEND-2 REACTOR
INIS: Jan 1978; ETDE: Dec 1975
(Surgoinsville, Tennessee, USA)
*BT1 bwr type reactors
RT ge standard reactor

phloredzin
Use glycosides
AND ketones

phlorhizin
Use glycosides
AND ketones

phlorizin
Use glycosides
AND ketones

PHOEBUS-1A REACTOR
UF *rocket reactor experiment phoebus-1a*
*BT1 hydrogen cooled reactors
*BT1 space propulsion reactors

PHOEBUS-1B REACTOR
UF *rocket reactor experiment phoebus-1b*
*BT1 hydrogen cooled reactors
*BT1 space propulsion reactors

PHOEBUS-2A REACTOR
UF *rocket reactor experiment phoebus-2a*
*BT1 hydrogen cooled reactors
*BT1 space propulsion reactors

PHOENIX DEVICES
*BT1 magnetic mirrors

PHONONS
BT1 quasi particles
RT acoustic esr
RT acoustic nmr
RT electron-phonon coupling
RT landau liquid helium theory
RT photoacoustic effect
RT quasiparticle-phonon model
RT solitons
RT umklapp processes

PHORBOL ESTERS
INIS: Dec 1981; ETDE: May 1980
*BT1 esters
RT carcinogens

PHOSAM PROCESS
INIS: Apr 2000; ETDE: Mar 1983
(Absorber unit for recovering ammonia from the vapor phase with ammonium phosphate solution.)
BT1 separation processes
RT ammonia

PHOSGENE
UF *carbon oxychloride*
UF *carbonyl chloride*
*BT1 carbonic acid derivatives
*BT1 organic chlorine compounds

PHOSPHATASES
(Code number 3.1.3.)
*BT1 esterases
NT1 acid phosphatase
NT1 alkaline phosphatase
NT1 nucleotidases

PHOSPHATE GLASS
(Glass with phosphorus pentoxide as a major component.)
BT1 glass
RT borophosphate glass

RT rpl dosemeters

PHOSPHATE MINERALS

INIS: Apr 1984; ETDE: May 1982
UF+ *dumontite*
UF+ *florencite*
UF+ *lermontovite*
UF+ *parsonsite*
UF+ *phosphuranylite*
UF+ *steenstrupine*
UF+ *uranocircite*
BT1 minerals
NT1 apatites
NT1 autunite
NT1 monazites
NT1 ningyoite
NT1 saleeite
NT1 torbernite
NT1 xenotime
RT aluminium phosphates
RT barium phosphates
RT cerium phosphates
RT copper phosphates
RT lead phosphates
RT magnesium phosphates
RT phosphate rocks
RT phosphorites
RT uranium phosphates
RT yttrium phosphates

phosphate process

Use desulfurization

PHOSPHATE ROCKS

INIS: May 1980; ETDE: Oct 1976
*BT1 sedimentary rocks
NT1 phosphorites
RT calcium carbonates
RT calcium phosphates
RT phosphate minerals

PHOSPHATES

(For salts only; see also PHOSPHORIC ACID ESTERS.)
UF *acid phosphates*
UF *biphosphates*
UF+ *berkelium phosphates*
UF+ *neptunium phosphates*
UF+ *promethium phosphates*
UF+ *protactinium phosphates*
BT1 oxygen compounds
BT1 phosphorus compounds
NT1 aluminium phosphates
NT1 americium phosphates
NT1 ammonium phosphates
NT1 barium phosphates
NT1 beryllium phosphates
NT1 bismuth phosphates
NT1 boron phosphates
NT1 cadmium phosphates
NT1 calcium phosphates
NT1 cerium phosphates
NT1 cesium phosphates
NT1 chromium phosphates
NT1 cobalt phosphates
NT1 copper phosphates
NT1 dysprosium phosphates
NT1 erbium phosphates
NT1 europium phosphates
NT1 gadolinium phosphates
NT1 gallium phosphates
NT1 germanium phosphates
NT1 hafnium phosphates
NT1 holmium phosphates
NT1 indium phosphates
NT1 iron phosphates
NT1 lanthanum phosphates
NT1 lead phosphates
NT1 lithium phosphates
NT1 lutetium phosphates
NT1 magnesium phosphates
NT1 manganese phosphates
NT1 molybdenum phosphates
NT1 neodymium phosphates
NT1 nickel phosphates
NT1 niobium phosphates
NT1 plutonium phosphates
NT1 potassium phosphates
NT1 praseodymium phosphates
NT1 rubidium phosphates
NT1 samarium phosphates
NT1 scandium phosphates
NT1 silicon phosphates
NT1 silver phosphates
NT1 sodium phosphates
NT1 strontium phosphates
NT1 superphosphates
NT1 tantalum phosphates
NT1 technetium phosphates
NT1 terbium phosphates
NT1 thallium phosphates
NT1 thorium phosphates
NT1 thulium phosphates
NT1 tin phosphates
NT1 titanium phosphates
NT1 uranium phosphates
NT1 uranyl phosphates
NT1 vanadium phosphates
NT1 ytterbium phosphates
NT1 yttrium phosphates
NT1 zinc phosphates
NT1 zirconium phosphates
RT molybdophosphates
RT phosphoric acid
RT phosphorites

phosphatides

Use phospholipids

phosphatidylcholine

Use lecithins

PHOSPHIDES

UF+ *americium phosphides*
UF+ *berkelium phosphides*
UF+ *beryllium phosphides*
UF+ *curium phosphides*
UF+ *sodium phosphides*
UF+ *thulium phosphides*
BT1 phosphorus compounds
BT1 pnictides
NT1 aluminium phosphides
NT1 boron phosphides
NT1 cadmium phosphides
NT1 cerium phosphides
NT1 cobalt phosphides
NT1 copper phosphides
NT1 dysprosium phosphides
NT1 erbium phosphides
NT1 europium phosphides
NT1 gadolinium phosphides
NT1 gallium phosphides
NT1 germanium phosphides
NT1 hafnium phosphides
NT1 holmium phosphides
NT1 indium phosphides
NT1 iron phosphides
NT1 lanthanum phosphides
NT1 lithium phosphides
NT1 manganese phosphides
NT1 molybdenum phosphides
NT1 neptunium phosphides
NT1 nickel phosphides
NT1 nicrobraz 50
NT1 niobium phosphides
NT1 osmium phosphides
NT1 palladium phosphides
NT1 platinum phosphides
NT1 plutonium phosphides
NT1 potassium phosphides
NT1 praseodymium phosphides
NT1 rhodium phosphides
NT1 ruthenium phosphides
NT1 samarium phosphides
NT1 scandium phosphides
NT1 silicon phosphides
NT1 tantalum phosphides
NT1 terbium phosphides
NT1 thorium phosphides
NT1 tin phosphides
NT1 titanium phosphides
NT1 tungsten phosphides
NT1 uranium phosphides
NT1 vanadium phosphides
NT1 ytterbium phosphides
NT1 yttrium phosphides
NT1 zinc phosphides
NT1 zirconium phosphides
RT phosphorus additions

PHOSPHINE OXIDES

INIS: Jan 1992; ETDE: Sep 1985
BT1 oxygen compounds
*BT1 phosphines
NT1 cmpo
NT1 tbpo
NT1 topo
NT1 tpo
RT organic phosphorus compounds

PHOSPHINES

BT1 phosphorus compounds
NT1 phosphine oxides
NT2 cmpo
NT2 tbpo
NT2 topo
NT2 tpo
RT organic phosphorus compounds
RT pest control
RT pesticides
RT phosphorus hydrides

PHOSPHINIC ACID ESTERS

*BT1 esters
*BT1 organic phosphorus compounds
RT phosphinic acids

PHOSPHINIC ACIDS

(Before 1992, this information was indexed to ORGANOPHOSPHINIC ACIDS.)
UF *organophosphinic acids*
*BT1 organic acids
*BT1 organic phosphorus compounds
RT phosphinic acid esters

phosphites

Use phosphorous acid

PHOSPHOCREATINE

*BT1 amino acids
*BT1 organic phosphorus compounds
RT creatine

PHOSPHODIESTERASES

INIS: Dec 1986; ETDE: Jan 1981
(Code number 3.1.4.)
*BT1 esterases
NT1 nucleases
NT2 dna-ase
NT3 endonucleases
NT2 rna-ase

PHOSPHOENOLPYRUVATE

INIS: Apr 2000; ETDE: Oct 1984
(An intermediate compound in both the C4 photosynthetic pathway and carbohydrate metabolism.)
UF *pep*
RT biosynthesis
RT carbohydrates

RT carbon dioxide
RT chemical reactions
RT metabolism
RT photosynthesis
RT uptake

PHOSPHOHYDROLASES
INIS: Sep 1985; ETDE: Jan 1981
(Code number 3.6.1.)
*BT1 acid anhydrases
NT1 atp-ase

PHOSPHOLIPIDS
UF *phosphatides*
UF+ *cephalins*
*BT1 esters
*BT1 lipids
*BT1 organic phosphorus compounds
NT1 cardiolipin
NT1 lecithins
NT1 sphingomyelins

phosphomolybdic acid
Use molybdophosphoric acid

PHOSPHONATES
INIS: Feb 1976; ETDE: Jan 1975
(For salts only; see also PHOSPHONIC ACID ESTERS.)
*BT1 organic phosphorus compounds

PHOSPHONIC ACID ESTERS
SF *dehpa*
*BT1 esters
*BT1 organic phosphorus compounds
NT1 dampa
NT1 dhdecmp

PHOSPHONIC ACIDS
INIS: Mar 1994; ETDE: Apr 1975
*BT1 organic acids
*BT1 organic phosphorus compounds

PHOSPHOPROTEINS
INIS: Apr 2000; ETDE: Apr 1987
(Proteins which have phosphoric acid as a prosthetic group.)
*BT1 proteins
RT cyclases
RT phosphotransferases
RT post-translation modification

PHOSPHORESCENCE
*BT1 luminescence
RT afterglow
RT phosphors

PHOSPHORIC ACID
UF *hydrogen phosphates*
*BT1 inorganic acids
BT1 oxygen compounds
BT1 phosphorus compounds
RT molybdophosphoric acid
RT phosphates
RT tungstophosphoric acid

PHOSPHORIC ACID ESTERS
UF *t2ehp*
UF *tri-2-ethylhexyl phosphate*
*BT1 esters
*BT1 organic phosphorus compounds
NT1 butyl phosphates
NT2 dbp
NT2 mbp
NT2 tbp
NT1 hdehp
NT1 mdpa
NT1 phytic acid
NT1 tcp

PHOSPHORITES
(Sedimentary rocks composed chiefly of phosphate.)
*BT1 phosphate rocks
RT phosphate minerals
RT phosphates

PHOSPHOROUS ACID
UF *phosphites*
*BT1 inorganic acids
BT1 oxygen compounds
BT1 phosphorus compounds

PHOSPHORS
UF *fluors*
UF *scintillators*
NT1 glass scintillators
NT1 inorganic phosphors
NT2 cadmium sulfides
NT2 cadmium tungstates
NT2 calcium tungstates
NT2 cesium iodides
NT2 lithium iodides
NT2 potassium iodides
NT2 sodium iodides
NT2 zinc sulfides
NT1 liquid scintillators
NT1 organic crystal phosphors
NT1 plastic scintillators
RT luminescent chambers
RT luminescent concentrators
RT luminescent dosemeters
RT phosphorescence
RT scintillation counters

PHOSPHORUS
*BT1 nonmetals

PHOSPHORUS 21
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 phosphorus isotopes

PHOSPHORUS 24
INIS: Feb 1978; ETDE: May 1978
*BT1 light nuclei
*BT1 odd-odd nuclei
*BT1 phosphorus isotopes

PHOSPHORUS 25
INIS: Feb 2002; ETDE: Nov 1999
*BT1 light nuclei
*BT1 nanoseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 phosphorus isotopes

PHOSPHORUS 26
INIS: Sep 1983; ETDE: Apr 1983
*BT1 beta-plus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 phosphorus isotopes

PHOSPHORUS 27
INIS: Apr 1986; ETDE: Jan 1975
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 phosphorus isotopes

PHOSPHORUS 28
*BT1 beta-plus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 phosphorus isotopes

PHOSPHORUS 29
*BT1 beta-plus decay radioisotopes
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 phosphorus isotopes
*BT1 seconds living radioisotopes

PHOSPHORUS 30
*BT1 beta-plus decay radioisotopes
*BT1 light nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 phosphorus isotopes

PHOSPHORUS 30 TARGET
INIS: Sep 1992; ETDE: Nov 1984
BT1 targets

PHOSPHORUS 31
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 phosphorus isotopes
*BT1 stable isotopes

PHOSPHORUS 31 BEAMS
INIS: Sep 1983; ETDE: Sep 1983
*BT1 ion beams

PHOSPHORUS 31 REACTIONS
INIS: Apr 1978; ETDE: Jul 1978
*BT1 heavy ion reactions

PHOSPHORUS 31 TARGET
BT1 targets

PHOSPHORUS 32
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 light nuclei
*BT1 odd-odd nuclei
*BT1 phosphorus isotopes

PHOSPHORUS 32 TARGET
BT1 targets

PHOSPHORUS 33
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 phosphorus isotopes

PHOSPHORUS 34
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 odd-odd nuclei
*BT1 phosphorus isotopes
*BT1 seconds living radioisotopes

PHOSPHORUS 35
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 phosphorus isotopes
*BT1 seconds living radioisotopes

PHOSPHORUS 36
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 odd-odd nuclei
*BT1 phosphorus isotopes
*BT1 seconds living radioisotopes

PHOSPHORUS 37
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 phosphorus isotopes
*BT1 seconds living radioisotopes

PHOSPHORUS 38
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei

*BT1 phosphorus isotopes

PHOSPHORUS 39
INIS: Oct 1977; ETDE: Aug 1977
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 phosphorus isotopes

PHOSPHORUS 40
INIS: Sep 1979; ETDE: Oct 1979
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 odd-odd nuclei
*BT1 phosphorus isotopes

PHOSPHORUS 41
INIS: Jul 1980; ETDE: Feb 1980
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 phosphorus isotopes

PHOSPHORUS 42
INIS: Jul 1980; ETDE: Feb 1980
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 phosphorus isotopes

PHOSPHORUS 43
INIS: Sep 1989; ETDE: Oct 1989
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 phosphorus isotopes

PHOSPHORUS 44
INIS: Sep 1989; ETDE: Oct 1989
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 phosphorus isotopes

PHOSPHORUS 45
INIS: Apr 1990; ETDE: May 1990
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 phosphorus isotopes

PHOSPHORUS 46
INIS: Apr 1990; ETDE: Nov 1990
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 phosphorus isotopes

PHOSPHORUS ADDITIONS
BT1 alloys
RT phosphides

PHOSPHORUS BROMIDES
*BT1 bromides
BT1 phosphorus compounds

PHOSPHORUS CHLORIDES
*BT1 chlorides
BT1 phosphorus compounds

PHOSPHORUS COMPLEXES
BT1 complexes

PHOSPHORUS COMPOUNDS
NT1 hypophosphorous acid
NT1 molybdophosphates
NT1 molybdophosphoric acid
NT1 phosphates
NT2 aluminium phosphates
NT2 americium phosphates
NT2 ammonium phosphates
NT2 barium phosphates
NT2 beryllium phosphates
NT2 bismuth phosphates
NT2 boron phosphates
NT2 cadmium phosphates
NT2 calcium phosphates
NT2 cerium phosphates
NT2 cesium phosphates
NT2 chromium phosphates
NT2 cobalt phosphates
NT2 copper phosphates
NT2 dysprosium phosphates
NT2 erbium phosphates
NT2 europium phosphates
NT2 gadolinium phosphates
NT2 gallium phosphates
NT2 germanium phosphates
NT2 hafnium phosphates
NT2 holmium phosphates
NT2 indium phosphates
NT2 iron phosphates
NT2 lanthanum phosphates
NT2 lead phosphates
NT2 lithium phosphates
NT2 lutetium phosphates
NT2 magnesium phosphates
NT2 manganese phosphates
NT2 molybdenum phosphates
NT2 neodymium phosphates
NT2 nickel phosphates
NT2 niobium phosphates
NT2 plutonium phosphates
NT2 potassium phosphates
NT2 praseodymium phosphates
NT2 rubidium phosphates
NT2 samarium phosphates
NT2 scandium phosphates
NT2 silicon phosphates
NT2 silver phosphates
NT2 sodium phosphates
NT2 strontium phosphates
NT2 superphosphates
NT2 tantalum phosphates
NT2 technetium phosphates
NT2 terbium phosphates
NT2 thallium phosphates
NT2 thorium phosphates
NT2 thulium phosphates
NT2 tin phosphates
NT2 titanium phosphates
NT2 uranium phosphates
NT2 uranyl phosphates
NT2 vanadium phosphates
NT2 ytterbium phosphates
NT2 yttrium phosphates
NT2 zinc phosphates
NT2 zirconium phosphates
NT1 phosphides
NT2 aluminium phosphides
NT2 boron phosphides
NT2 cadmium phosphides
NT2 cerium phosphides
NT2 cobalt phosphides
NT2 copper phosphides
NT2 dysprosium phosphides
NT2 erbium phosphides
NT2 europium phosphides
NT2 gadolinium phosphides
NT2 gallium phosphides
NT2 germanium phosphides
NT2 hafnium phosphides
NT2 holmium phosphides
NT2 indium phosphides
NT2 iron phosphides
NT2 lanthanum phosphides
NT2 lithium phosphides
NT2 manganese phosphides
NT2 molybdenum phosphides
NT2 neptunium phosphides
NT2 nickel phosphides
NT2 nicrobraz 50
NT2 niobium phosphides
NT2 osmium phosphides
NT2 palladium phosphides
NT2 platinum phosphides
NT2 plutonium phosphides
NT2 potassium phosphides
NT2 praseodymium phosphides
NT2 rhodium phosphides
NT2 ruthenium phosphides
NT2 samarium phosphides
NT2 scandium phosphides
NT2 silicon phosphides
NT2 tantalum phosphides
NT2 terbium phosphides
NT2 thorium phosphides
NT2 tin phosphides
NT2 titanium phosphides
NT2 tungsten phosphides
NT2 uranium phosphides
NT2 vanadium phosphides
NT2 ytterbium phosphides
NT2 yttrium phosphides
NT2 zinc phosphides
NT2 zirconium phosphides
NT1 phosphines
NT2 phosphine oxides
NT3 cmpo
NT3 tbpo
NT3 topo
NT3 tpo
NT1 phosphoric acid
NT1 phosphorous acid
NT1 phosphorus bromides
NT1 phosphorus chlorides
NT1 phosphorus fluorides
NT1 phosphorus hydrides
NT1 phosphorus iodides
NT1 phosphorus nitrides
NT1 phosphorus oxides
NT1 phosphorus sulfides
NT1 pyrophosphates
NT1 tungstophosphates
NT1 tungstophosphoric acid
RT organic phosphorus compounds

PHOSPHORUS FLUORIDES
*BT1 fluorides
BT1 phosphorus compounds

PHOSPHORUS-GROUP TRANSFERASES
INIS: Dec 1986; ETDE: Jan 1981
(Code number 2.7.)
*BT1 transferases
NT1 nucleotidyltransferases
NT2 polymerases
NT3 dna polymerases
NT3 rna polymerases
NT1 phosphotransferases
NT2 hexokinase

PHOSPHORUS HYDRIDES
*BT1 hydrides
BT1 phosphorus compounds
RT phosphines

PHOSPHORUS IODIDES
*BT1 iodides
BT1 phosphorus compounds

PHOSPHORUS IONS
*BT1 ions

PHOSPHORUS ISOTOPES
BT1 isotopes
NT1 phosphorus 21
NT1 phosphorus 24
NT1 phosphorus 25
NT1 phosphorus 26
NT1 phosphorus 27
NT1 phosphorus 28
NT1 phosphorus 29
NT1 phosphorus 30
NT1 phosphorus 31

NT1 phosphorus 32
NT1 phosphorus 33
NT1 phosphorus 34
NT1 phosphorus 35
NT1 phosphorus 36
NT1 phosphorus 37
NT1 phosphorus 38
NT1 phosphorus 39
NT1 phosphorus 40
NT1 phosphorus 41
NT1 phosphorus 42
NT1 phosphorus 43
NT1 phosphorus 44
NT1 phosphorus 45
NT1 phosphorus 46

PHOSPHORUS NITRIDES
*BT1 nitrides
BT1 phosphorus compounds

PHOSPHORUS OXIDES
*BT1 oxides
BT1 phosphorus compounds

PHOSPHORUS SULFIDES
BT1 phosphorus compounds
*BT1 sulfides

phosphorylases
Use phosphotransferases

PHOSPHORYLATION
BT1 chemical reactions

PHOSPHOTRANSFERASES
(Code numbers 2.7.1 to 2.7.6 and 2.7.8 to 2.7.9)
UF *kinases*
UF *kinases (phosphotransferases)*
UF *phosphorylases*
UF+ *streptidine kinase*
*BT1 phosphorus-group transferases
NT1 hexokinase
RT phosphoproteins

phosphotungstic acid
Use tungstophosphoric acid

phosphowolframic acid
Use tungstophosphoric acid

phosphuranylite
Use phosphate minerals
AND uranium minerals

photo-induced transient spectroscopy
Use spectroscopy

PHOTOACOUSTIC EFFECT
INIS: Sep 1980; ETDE: Aug 1979
RT acoustics
RT phonons
RT photoacoustic spectrometers
RT photoacoustic spectroscopy
RT radiation effects

PHOTOACOUSTIC SPECTROMETERS
INIS: Feb 1978; ETDE: May 1978
UF *optoacoustic cells*
UF *spectrophones*
*BT1 infrared spectrometers
RT absorption spectroscopy
RT gas analysis
RT photoacoustic effect
RT photoacoustic spectroscopy

PHOTOACOUSTIC SPECTROSCOPY
INIS: Apr 1986; ETDE: Jul 1978
BT1 spectroscopy
RT photoacoustic effect
RT photoacoustic spectrometers

PHOTOANODES
INIS: Feb 1992; ETDE: Feb 1979
*BT1 anodes
RT photocathodes

PHOTOCATHODES
INIS: Nov 1980; ETDE: Jun 1977
*BT1 cathodes
RT photoanodes
RT photocurrents
RT photoelectric effect
RT photoemission
RT quantum efficiency

photocells
Use photoelectric cells

PHOTOCHEMICAL ENERGY STORAGE
INIS: Apr 2000; ETDE: Oct 1979
*BT1 energy storage
RT photochemical reactions
RT photochemistry
RT photoelectrochemical cells
RT photosynthesis

PHOTOCHEMICAL OXIDANTS
INIS: Apr 2000; ETDE: Feb 1976
RT photochemistry
RT smog

PHOTOCHEMICAL REACTIONS
INIS: Mar 1992; ETDE: Jun 1977
BT1 chemical reactions
NT1 photolysis
NT2 biophotolysis
NT1 photosynthesis
RT atmospheric chemistry
RT hydrogen transfer
RT photochemical energy storage
RT photochemistry
RT photoelectrochemical cells
RT photosynthetic membranes

PHOTOCHEMISTRY
BT1 chemistry
RT atmospheric chemistry
RT bioluminescence
RT photochemical energy storage
RT photochemical oxidants
RT photochemical reactions
RT photoelectrochemical cells
RT photolysis
RT photosynthesis
RT radiation chemistry
RT reaction intermediates

PHOTOCHROMIC MATERIALS
INIS: Apr 2000; ETDE: Apr 1976
(Materials that change in color when exposed to visible or near-visible radiant energy.)
BT1 materials
RT dyes

PHOTOCONDUCTIVE CELLS
*BT1 photoelectric cells
RT photoconductivity

PHOTOCONDUCTIVITY
*BT1 electric conductivity
RT photoconductive cells
RT photoconductors
RT photocurrents
RT traps

PHOTOCONDUCTORS
RT electric conductors
RT photoconductivity
RT photodetectors
RT photoelectric cells
RT semiconductor materials

PHOTOCOPYING
INIS: Apr 2000; ETDE: Aug 1980
RT image processing
RT photography

PHOTOCURRENTS
INIS: Mar 1985; ETDE: Dec 1981
*BT1 electric currents
RT photocathodes
RT photoconductivity
RT photoelectric cells
RT photoelectric effect
RT photoelectrochemical cells
RT photovoltaic cells
RT scanning light microscopy

PHOTODETECTORS
RT photoconductors
RT photodiodes
RT photoelectric cells
RT phototransistors

PHOTODIODES
*BT1 semiconductor diodes
RT photodetectors
RT photoelectric cells
RT phototransistors

photodisintegration
Use photonuclear reactions

PHOTOELASTICITY
*BT1 elasticity
RT homalite
RT materials testing
RT stress analysis

PHOTOELECTRIC CELLS
UF *photocells*
BT1 direct energy converters
NT1 photoconductive cells
NT1 photovoltaic cells
NT2 solar cells
NT3 aluminium arsenide solar cells
NT3 back contact solar cells
NT3 cadmium arsenide solar cells
NT3 cadmium selenide solar cells
NT3 cadmium sulfide solar cells
NT3 cadmium telluride solar cells
NT3 cascade solar cells
NT3 concentrator solar cells
NT3 copper oxide solar cells
NT3 copper selenide solar cells
NT3 copper sulfide solar cells
NT3 gallium arsenide solar cells
NT3 gallium phosphide solar cells
NT3 indium phosphide solar cells
NT3 indium selenide solar cells
NT3 mi solar cells
NT3 mis solar cells
NT3 mos solar cells
NT3 ms solar cells
NT3 organic solar cells
NT3 pis solar cells
NT3 ps solar cells
NT3 schottky barrier solar cells
NT3 selenium solar cells
NT3 silicon arsenide solar cells
NT3 silicon solar cells
NT4 soc solar cells
NT3 zinc phosphide solar cells
NT3 zinc sulfide solar cells

RT image tubes
RT photoconductors
RT photocurrents
RT photodetectors
RT photodiodes
RT photomultipliers
RT phototransistors
RT phototubes
RT semiconductor devices

PHOTOELECTRIC EFFECT
UF+ *photoelectromagnetic effect*
UF+ *photomagnetoelectric effect*
NT1 photoelectric emission
NT1 photovoltaic effect
RT fowler-nordheim theory
RT photocathodes
RT photocurrents

PHOTOELECTRIC EMISSION
*BT1 electron emission
BT1 photoelectric effect
RT photoelectron counting
RT quantum efficiency

PHOTOELECTROCHEMICAL CELLS
INIS: Feb 1992; ETDE: Mar 1979
BT1 electrochemical cells
NT1 photogalvanic cells
RT electrochemistry
RT photochemical energy storage
RT photochemical reactions
RT photochemistry
RT photocurrents
RT photovoltaic cells
RT solar equipment

PHOTOELECTROLYSIS
INIS: Apr 2000; ETDE: Feb 1978
(A room-temperature electrolytic decomposition of water that is powered by radiant energy.)
UF+ *photoelectrolytic cells*
*BT1 electrolysis
RT hydrogen production
RT solar energy conversion

photoelectrolytic cells
Use electrolytic cells
AND photoelectrolysis

photoelectromagnetic effect
Use magnetic fields
AND photoelectric effect

PHOTOELECTRON COUNTING
INIS: Aug 1976; ETDE: Nov 1976
BT1 counting techniques
RT photoelectric emission

PHOTOELECTRON SPECTROSCOPY
*BT1 electron spectroscopy
NT1 x-ray photoelectron spectroscopy
RT electronic structure
RT molecular structure

PHOTOEMISSION
(Photon-induced emission)
*BT1 secondary emission
RT photocathodes

PHOTOFISSION
*BT1 fission
*BT1 photonuclear reactions

PHOTOGALVANIC CELLS
INIS: Apr 2000; ETDE: Sep 1975
*BT1 photoelectrochemical cells

PHOTOGRAPHIC EMULSIONS
*BT1 emulsions
RT latent images
RT photographic film dosemeters

PHOTOGRAPHIC FILM DETECTORS
UF *track detectors (photographic)*
*BT1 radiation detectors
RT neutron-photon converters
RT nuclear emulsions
RT photographic film dosemeters
RT photographic films

PHOTOGRAPHIC FILM DOSEMETERS
UF *film badges*
UF *film dosemeters*
*BT1 dosemeters
RT film dosimetry
RT nuclear emulsions
RT photographic emulsions
RT photographic film detectors

PHOTOGRAPHIC FILMS
RT image scanners
RT images
RT latent images
RT nuclear emulsions
RT photographic film detectors

photographs
Use images

PHOTOGRAPHY
NT1 cinematography
NT1 multispectral photography
NT1 photomicrography
NT1 schlieren method
NT1 streak photography
NT1 ultrahigh-speed photography
RT cameras
RT developers
RT holography
RT image processing
RT photocopying
RT xerography

PHOTOIONIZATION
BT1 ionization

PHOTOLUMINESCENCE
*BT1 luminescence
RT scanning light microscopy

PHOTOLYSIS
*BT1 decomposition
*BT1 photochemical reactions
NT1 biophotolysis
RT bioconversion
RT dissociation
RT photochemistry
RT radiolysis
RT traps

photomagnetic effect
Use magnetic susceptibility
AND visible radiation

photomagnetoelectric effect
Use magnetic fields
AND photoelectric effect

PHOTOMETERS
BT1 measuring instruments
NT1 densitometers
RT photometry
RT pyranometers

PHOTOMETRY
NT1 flame photometry
RT densitometers
RT photometers
RT spectrophotometry
RT spectroscopy

PHOTOMICROGRAPHY
BT1 photography
RT ceramography
RT fractography
RT metallography
RT microscopy

PHOTOMULTIPLIERS
BT1 phototubes
RT electron multipliers
RT photoelectric cells
RT scintillation counters

PHOTON ACTIVATION ANALYSIS
INIS: Nov 1978; ETDE: Feb 1979
UF *analysis (photon activation)*
*BT1 activation analysis

PHOTON-ATOM COLLISIONS
*BT1 atom collisions
*BT1 photon collisions

PHOTON-BARYON INTERACTIONS
*BT1 photon-hadron interactions
NT1 photon-hyperon interactions
NT1 photon-nucleon interactions
NT2 photon-neutron interactions
NT2 photon-proton interactions

PHOTON BEAMS
BT1 beams
RT light sources
RT particle beams
RT photons
RT visible radiation

PHOTON COLLISIONS
BT1 collisions
NT1 photon-atom collisions
NT1 photon-electron collisions
NT1 photon-ion collisions
NT1 photon-molecule collisions
NT1 photon-positron collisions

PHOTON COMPUTED TOMOGRAPHY
INIS: Apr 2000; ETDE: May 1980
*BT1 computerized tomography
RT biomedical radiography
RT image scanners

photon detection (gamma)
Use gamma detection

photon detection (x-ray)
Use x-ray detection

photon-deuteron interactions
Use photon-neutron interactions
AND photon-proton interactions

PHOTON-ELECTRON COLLISIONS
*BT1 electron collisions
*BT1 photon collisions

PHOTON-ELECTRON INTERACTIONS
*BT1 photon-lepton interactions

PHOTON EMISSION
(Emission of photons)
BT1 emission
NT1 luminescence
NT2 bioluminescence
NT2 cathodoluminescence
NT2 chemiluminescence
NT2 electroluminescence
NT2 fluorescence
NT3 resonance fluorescence
NT2 lyoluminescence
NT2 phosphorescence
NT2 photoluminescence
NT2 radioluminescence
NT3 radiothermoluminescence
NT2 thermoluminescence
NT3 radiothermoluminescence
NT1 superradiance
RT multi-photon processes
RT secondary emission

PHOTON EMISSION SCANNING
INIS: Apr 1986; ETDE: May 1979
BT1 diagnostic techniques
NT1 ecat scanning
RT emission computed tomography
RT photons

PHOTON-HADRON INTERACTIONS
*BT1 electromagnetic interactions
*BT1 particle interactions
NT1 photon-baryon interactions
NT2 photon-hyperon interactions
NT2 photon-nucleon interactions
NT3 photon-neutron interactions
NT3 photon-proton interactions
NT1 photon-meson interactions

PHOTON-HYPERON INTERACTIONS
*BT1 photon-baryon interactions

PHOTON-ION COLLISIONS
*BT1 ion collisions
*BT1 photon collisions

PHOTON-LEPTON INTERACTIONS
*BT1 particle interactions
NT1 photon-electron interactions
NT1 photon-muon interactions
NT1 photon-neutrino interactions
RT electromagnetic interactions
RT weak interactions

PHOTON-MESON INTERACTIONS
*BT1 photon-hadron interactions

PHOTON-MOLECULE COLLISIONS
*BT1 molecule collisions
*BT1 photon collisions

PHOTON-MUON INTERACTIONS
*BT1 photon-lepton interactions

PHOTON-NEUTRINO INTERACTIONS
*BT1 photon-lepton interactions

PHOTON-NEUTRON INTERACTIONS
UF+ *photon-deuteron interactions*
*BT1 photon-nucleon interactions

PHOTON-NUCLEON INTERACTIONS
*BT1 photon-baryon interactions
NT1 photon-neutron interactions
NT1 photon-proton interactions

photon-photon collisions
Use photon-photon interactions

PHOTON-PHOTON INTERACTIONS
UF *photon-photon collisions*
*BT1 electromagnetic interactions
*BT1 particle interactions
RT equivalent-photon approximation

PHOTON-POSITRON COLLISIONS
*BT1 photon collisions
*BT1 positron collisions

PHOTON-PROTON INTERACTIONS
UF+ *photon-deuteron interactions*
*BT1 photon-nucleon interactions

PHOTON TEMPERATURE
UF *temperature (photon)*
RT energy
RT photons

PHOTON TRANSMISSION SCANNING
UF *gamma transmission scanning*
UF *x-ray transmission scanning*
BT1 diagnostic techniques
RT biomedical radiography
RT single photon emission computed tomography

PHOTON TRANSPORT
UF *transport (gamma)*
UF *transport (photon)*
*BT1 neutral-particle transport
RT gamma transport theory

PHOTONEUTRONS
*BT1 neutrons
*BT1 photonucleons
RT peierls method
RT photonuclear reactions

PHOTONS
BT1 bosons
*BT1 massless particles
NT1 cosmic photons
RT delayed gamma radiation
RT electromagnetic radiation
RT gamma radiation
RT photon beams
RT photon emission scanning
RT photon temperature
RT prompt gamma radiation
RT tagged photon method
RT x radiation

PHOTONUCLEAR REACTIONS
UF *gamma reactions*
UF *photodisintegration*
BT1 nuclear reactions
NT1 photofission
RT giant resonance
RT giant resonance model
RT photoneutrons
RT photonucleons
RT photoproduction
RT photoprotons

PHOTONUCLEONS
*BT1 nucleons
NT1 photoneutrons
NT1 photoprotons
RT photonuclear reactions

PHOTOPERIOD
INIS: Apr 2000; ETDE: Aug 1977
(The number of daylight hours best suited to the growth and maturation of an organism.)
RT daily variations
RT visible radiation

PHOTOPRODUCTION
*BT1 electromagnetic interactions
*BT1 particle interactions
BT1 particle production
NT1 primakoff effect
RT drell model
RT electric born model
RT kroll-ruderman theorem
RT levinger-bethe theory
RT panofsky ratio
RT photonuclear reactions

PHOTOPROTONS
*BT1 photonucleons
*BT1 protons
RT photonuclear reactions

PHOTOREACTIVATION
UF+ *pre*
*BT1 biological repair
RT microorganisms
RT molecular structure
RT nucleic acids
RT radiation injuries
RT ultrastructural changes
RT ultraviolet radiation
RT visible radiation

PHOTORESISTORS
*BT1 resistors

PHOTOSENSITIVITY
BT1 sensitivity

PHOTOSPHERE
*BT1 solar atmosphere
RT chromosphere
RT faculae
RT solar granulation
RT sun
RT sunspots

PHOTOSYNTHESIS
(From August 1978 till February 1997 BIOMIMETIC PROCESSES was a valid ETDE descriptor.)
SF *biomimetic processes*
*BT1 photochemical reactions
BT1 synthesis
RT biophotolysis
RT biosynthesis
RT c4 species
RT calvin cycle species
RT carbon cycle
RT carbon dioxide fixation
RT chlorophyll
RT chloroplasts
RT leaves
RT phosphoenolpyruvate
RT photochemical energy storage
RT photochemistry
RT photosynthetic bacteria
RT photosynthetic membranes
RT photosynthetic reaction centers
RT phycobilisomes
RT plastoquinone
RT ribulose diphosphate carboxylase
RT thylakoid membrane proteins

PHOTOSYNTHETIC BACTERIA
INIS: Jul 1993; ETDE: Apr 1978
- *BT1 bacteria
- **NT1** rhodopseudomonas
- **NT1** rhodospirillum
- *RT* photosynthesis

PHOTOSYNTHETIC MEMBRANES
INIS: Aug 1993; ETDE: Feb 1980
- BT1 membranes
- *RT* chlorophyll-binding proteins
- *RT* photochemical reactions
- *RT* photosynthesis
- *RT* photosynthetic reaction centers
- *RT* phycobiliproteins
- *RT* thylakoid membrane proteins

PHOTOSYNTHETIC REACTION CENTERS
INIS: Apr 2000; ETDE: Jul 1982
- **NT1** chlorophyll-binding proteins
- *RT* chlorophyll
- *RT* cytochromes
- *RT* photosynthesis
- *RT* photosynthetic membranes
- *RT* phycobilins

PHOTOTRANSISTORS
- *BT1 transistors
- *RT* photodetectors
- *RT* photodiodes
- *RT* photoelectric cells

PHOTOTUBES
- **NT1** photomultipliers
- *RT* electron tubes
- *RT* photoelectric cells

PHOTOVOLTAIC CELLS
- *BT1 photoelectric cells
- **NT1** solar cells
  - **NT2** aluminium arsenide solar cells
  - **NT2** back contact solar cells
  - **NT2** cadmium arsenide solar cells
  - **NT2** cadmium selenide solar cells
  - **NT2** cadmium sulfide solar cells
  - **NT2** cadmium telluride solar cells
  - **NT2** cascade solar cells
  - **NT2** concentrator solar cells
  - **NT2** copper oxide solar cells
  - **NT2** copper selenide solar cells
  - **NT2** copper sulfide solar cells
  - **NT2** gallium arsenide solar cells
  - **NT2** gallium phosphide solar cells
  - **NT2** indium phosphide solar cells
  - **NT2** indium selenide solar cells
  - **NT2** mi solar cells
  - **NT2** mis solar cells
  - **NT2** mos solar cells
  - **NT2** ms solar cells
  - **NT2** organic solar cells
  - **NT2** pis solar cells
  - **NT2** ps solar cells
  - **NT2** schottky barrier solar cells
  - **NT2** selenium solar cells
  - **NT2** silicon arsenide solar cells
  - **NT2** silicon solar cells
    - **NT3** soc solar cells
  - **NT2** zinc phosphide solar cells
  - **NT2** zinc sulfide solar cells
- *RT* combined collectors
- *RT* photocurrents
- *RT* photoelectrochemical cells
- *RT* photovoltaic conversion
- *RT* photovoltaic effect
- *RT* semiconductor diodes
- *RT* solar cell arrays
- *RT* thermophotovoltaic converters

PHOTOVOLTAIC CONVERSION
INIS: Dec 1982; ETDE: Jan 1975
- *BT1 direct energy conversion
- *RT* organic solar cells
- *RT* photovoltaic cells
- *RT* thermophotovoltaic conversion

PHOTOVOLTAIC EFFECT
- UF+ *riehl-schon model*
- BT1 photoelectric effect
- *RT* energy conversion
- *RT* photovoltaic cells

PHOTOVOLTAIC POWER PLANTS
INIS: May 1992; ETDE: Sep 1975
- *BT1 solar power plants
- *RT* photovoltaic power supplies
- *RT* solar cell arrays

PHOTOVOLTAIC POWER SUPPLIES
INIS: May 1992; ETDE: Mar 1979
(Solar cells or arrays with associated circuitry for small-scale or dispersed applications.)
- *BT1 power supplies
- *BT1 solar equipment
- *RT* natural bridges national monument
- *RT* photovoltaic power plants
- *RT* solar cell arrays
- *RT* solar cells

PHTHALATES
- BT1 carboxylic acid salts
- *RT* phthalic acid esters

PHTHALAZINES
- *BT1 pyridazines
- **NT1** luminol

PHTHALIC ACID
- UF *benzenedicarboxylic acid-ortho*
- UF *naphthalic acid*
- *BT1 dicarboxylic acids
- *RT* bromosulfophthalein
- *RT* eosin
- *RT* fluorescein
- *RT* phenolphthalein
- *RT* rhodamines
- *RT* rose bengal

PHTHALIC ACID ESTERS
- *BT1 esters
- *RT* phthalates

PHTHALOCYANINES
- BT1 dyes
- *BT1 heterocyclic compounds
- *RT* copper complexes

PHWR TYPE REACTORS
- UF *pressurized heavy water cooled/moderated reactor*
- *BT1 heavy water cooled reactors
- *BT1 heavy water moderated reactors
- **NT1** agesta reactor
- **NT1** atucha reactor
- **NT1** atucha-2 reactor
- **NT1** bruce-1 reactor
- **NT1** bruce-2 reactor
- **NT1** bruce-3 reactor
- **NT1** bruce-4 reactor
- **NT1** bruce-5 reactor
- **NT1** bruce-6 reactor
- **NT1** bruce-7 reactor
- **NT1** bruce-8 reactor
- **NT1** cernavoda-1 reactor
- **NT1** cordoba reactor
- **NT1** cvtr reactor
- **NT1** darlington-1 reactor
- **NT1** darlington-2 reactor
- **NT1** darlington-3 reactor
- **NT1** darlington-4 reactor
- **NT1** douglas point ontario reactor
- **NT1** gentilly-2 reactor
- **NT1** kaiga-1 reactor
- **NT1** kaiga-2 reactor
- **NT1** kakrapar-1 reactor
- **NT1** kakrapar-2 reactor
- **NT1** kalpakkam-1 reactor
- **NT1** kalpakkam-2 reactor
- **NT1** kanupp reactor
- **NT1** mzfr reactor
- **NT1** narora-1 reactor
- **NT1** narora-2 reactor
- **NT1** npd reactor
- **NT1** pickering-1 reactor
- **NT1** pickering-2 reactor
- **NT1** pickering-3 reactor
- **NT1** pickering-4 reactor
- **NT1** pickering-5 reactor
- **NT1** pickering-6 reactor
- **NT1** pickering-7 reactor
- **NT1** pickering-8 reactor
- **NT1** point lepreau-1 reactor
- **NT1** point lepreau-2 reactor
- **NT1** rajasthan-1 reactor
- **NT1** rajasthan-2 reactor
- **NT1** rajasthan-3 reactor
- **NT1** rajasthan-4 reactor
- **NT1** wolsung-1 reactor
- **NT1** wolsung-2 reactor
- **NT1** wolsung-3 reactor
- **NT1** wolsung-4 reactor
- *RT* power reactors

PHYCOBILINS
INIS: Apr 2000; ETDE: Apr 1987
- BT1 pigments
- *RT* photosynthetic reaction centers
- *RT* phycobiliproteins

PHYCOBILIPROTEINS
INIS: Aug 1993; ETDE: Apr 1987
- *BT1 thylakoid membrane proteins
- **NT1** phycocyanin
- *RT* photosynthetic membranes
- *RT* phycobilins
- *RT* phycobilisomes
- *RT* pigments

PHYCOBILISOMES
INIS: Apr 2000; ETDE: Mar 1982
- BT1 cell constituents
- *RT* algae
- *RT* photosynthesis
- *RT* phycobiliproteins
- *RT* phycocyanin
- *RT* pigments

PHYCOCYANIN
- *BT1 phycobiliproteins
- BT1 pigments
- *RT* phycobilisomes

phycomyces
- Use eumycota

PHYSARUM
- *BT1 fungi

physical and technical research reactor moscow
- Use rpt reactor

PHYSICAL CHEMISTRY
INIS: Apr 1986; ETDE: Jan 1975
- BT1 chemistry
- *RT* chemical physics

physical constants test reactor
Use pctr reactor

physical effort
Use exercise

PHYSICAL METALLURGY
INIS: Jul 1977; ETDE: Oct 1977
BT1 metallurgy
RT crystal structure
RT mechanical properties
RT mechanics
RT physical properties
RT thermodynamics

PHYSICAL PROPERTIES
UF *properties (physical)*
NT1 absorptivity
NT1 density
NT2 api gravity
NT2 bulk density
NT1 electrical properties
NT2 capacitance
NT2 dielectric properties
NT3 kerr effect
NT3 permittivity
NT2 electric conductivity
NT3 ionic conductivity
NT3 magnetoresistance
NT3 photoconductivity
NT3 superconductivity
NT2 inductance
NT2 polarizability
NT2 thermoelectric properties
NT1 half-thickness
NT1 magnetic properties
NT2 magnetic susceptibility
NT2 magnetostriction
NT1 optical properties
NT2 brightness
NT2 color
NT2 emissivity
NT2 luminosity
NT2 opacity
NT2 optical activity
NT2 reflectivity
NT2 refractive index
NT2 spectral reflectance
NT1 permeability
NT1 specific surface area
NT1 thermodynamic properties
NT2 critical pressure
NT2 enthalpy
NT3 absorption heat
NT3 adsorption heat
NT3 mixing heat
NT3 reaction heat
NT4 combustion heat
NT4 dissociation heat
NT4 formation heat
NT3 solution heat
NT3 transition heat
NT4 fusion heat
NT4 sublimation heat
NT4 vaporization heat
NT2 entropy
NT2 free energy
NT3 formation free energy
NT3 surface energy
NT2 free enthalpy
NT3 formation free enthalpy
NT3 oxygen potential
NT2 partial pressure
NT2 specific heat
NT3 electronic specific heat
NT3 magnetic specific heat
NT3 nuclear specific heat
NT2 stored energy
NT2 thermal conductivity
NT2 thermal diffusivity
NT2 transition temperature
NT3 boiling points
NT3 critical temperature
NT3 curie point
NT3 dew point
NT3 lambda point
NT3 melting points
NT3 neel temperature
NT2 vapor pressure
RT physical metallurgy
RT surface properties
RT thermal degradation

PHYSICAL PROTECTION
INIS: Apr 1976; ETDE: Mar 1978
RT biointrusion
RT cppnm
RT entry control systems
RT human intrusion
RT intrusion detection systems
RT sabotage
RT safeguards
RT secrecy protection
RT security
RT security personnel

PHYSICAL PROTECTION DEVICES
UF *locks (security)*
NT1 security seals
RT entry control systems
RT identification systems
RT motion detection systems
RT safeguards
RT secrecy protection
RT security
RT theft

physical protection of nuclear material, convention
Use cppnm

PHYSICAL RADIATION EFFECTS
UF *damage (radiation, physical)*
UF *radiation damage (physical)*
BT1 radiation effects
NT1 atomic displacements
NT1 interstitial helium generation
NT1 interstitial hydrogen generation
NT1 radiation hardening
RT amoeba effect
RT damaging neutron fluence
RT equivalent fission fluence
RT fuel densification
RT metamict state
RT neutron sputtering
RT neutronic damage functions

PHYSICAL VAPOR DEPOSITION
INIS: Feb 1992; ETDE: Oct 1989
UF *pvd*
*BT1 surface coating
RT cathode sputtering
RT vacuum coating
RT vacuum evaporation
RT vapor deposited coatings
RT vapor plating

PHYSICS
INIS: Apr 1979; ETDE: Sep 1976
(Use only for articles of very broad coverage, such as annual reviews, text books, etc.)
NT1 astrophysics
NT1 atomic physics
NT1 biophysics
NT1 chemical physics
NT1 geophysics
NT1 high energy physics
NT1 nuclear physics
NT1 reactor physics
NT1 solid state physics

PHYSIOLOGY
NT1 electrophysiology
RT anatomy
RT antiandrogens
RT behavior
RT biological functions
RT biological stress
RT blood circulation
RT blood-brain barrier
RT body temperature
RT digestion
RT excretion
RT growth
RT homeostasis
RT hormones
RT metabolism
RT molecular biology
RT reproduction
RT respiration
RT ripening
RT sleep
RT thermoregulation
RT transpiration

physostigmine
Use eserine

PHYTIC ACID
*BT1 lipotropic factors
*BT1 organic acids
*BT1 phosphoric acid esters
RT inositol

phytochrome
Use phytochromes

PHYTOCHROMES
(Prior to August 1985 the singular form was used.)
UF *phytochrome*
BT1 pigments
*BT1 proteins
NT1 chlorophyll

PHYTOHEMAGGLUTININ
*BT1 hemagglutinins
BT1 mitogens
*BT1 mucoproteins
RT cell proliferation
RT lymphocytes
RT mitosis
RT phaseolus

PHYTOPLANKTON
INIS: Jan 1993; ETDE: Jan 1977
(Until January 1993, this concept was indexed by PLANKTON.)
*BT1 plankton
BT1 plants
RT algae
RT diatoms

pi-1016 resonances
Use mesons

PI-1300 MESONS
INIS: Dec 1987; ETDE: Jan 1988
*BT1 pseudoscalar mesons

pi-1640 resonances
Use pi2-1670 mesons

PI-1770 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 pseudoscalar mesons

pi condensate
Use pion condensation

PI-K ATOMS
INIS: Nov 1985; ETDE: Dec 1985
(A charged pion and an oppositely charged kaon in a Coulomb bound state.)
RT bound state
RT kaons
RT mesic atoms
RT pions

PI-MU ATOMS
INIS: Feb 1983; ETDE: May 1982
(A charged pion and an oppositely charged muon in a Coulomb bound state.)
RT bound state
RT mesic atoms
RT muonic atoms
RT muons
RT pions

PI2-1670 MESONS
(Until December 1987 this concept was indexed by PI-1640 RESONANCES; from then until July 1995 it was indexed by PI2-1680 MESONS.)
UF *a3 resonances*
UF *pi-1640 resonances*
UF *pi2-1680 mesons*
*BT1 tensor mesons

pi2-1680 mesons
Use pi2-1670 mesons

PI2-2100 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 tensor mesons

piace devices
Use linear theta pinch devices

PICEANCE CREEK
INIS: Apr 2000; ETDE: Apr 1975
*BT1 rivers
RT colorado

PICEANCE CREEK BASIN
INIS: Apr 2000; ETDE: Jan 1975
BT1 watersheds
RT colorado
RT green river formation
RT oil shale deposits

PICKERING-1 REACTOR
(Pickering, Ontario, Canada)
UF *ontario phwr pickering-1 reactor*
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT pickering site

PICKERING-2 REACTOR
(Pickering, Ontario, Canada)
UF *ontario phwr pickering-2 reactor*
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT pickering site

PICKERING-3 REACTOR
(Pickering, Ontario, Canada)
UF *ontario phwr pickering-3 reactor*
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT pickering site

PICKERING-4 REACTOR
(Pickering, Ontario, Canada)
UF *ontario phwr pickering-4 reactor*
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT pickering site

PICKERING-5 REACTOR
INIS: Nov 1977; ETDE: May 1975
(Pickering, Ontario, Canada)
UF *ontario phwr pickering-5 reactor*
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT pickering site

PICKERING-6 REACTOR
INIS: Nov 1977; ETDE: May 1975
(Pickering, Ontario, Canada)
UF *ontario phwr pickering-6 reactor*
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT pickering site

PICKERING-7 REACTOR
INIS: Nov 1977; ETDE: May 1975
(Pickering, Ontario, Canada)
UF *ontario phwr pickering-7 reactor*
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT pickering site

PICKERING-8 REACTOR
INIS: Nov 1977; ETDE: May 1975
(Pickering, Ontario, Canada)
UF *ontario phwr pickering-8 reactor*
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors
RT pickering site

PICKERING SITE
INIS: Jan 1993; ETDE: May 1993
(Pickering, Ontario, Canada)
BT1 reactor sites
RT pickering-1 reactor
RT pickering-2 reactor
RT pickering-3 reactor
RT pickering-4 reactor
RT pickering-5 reactor
RT pickering-6 reactor
RT pickering-7 reactor
RT pickering-8 reactor

picket fence
Use cusped geometries

PICKLING
BT1 surface treatments
NT1 corrosion pickling

PICKUP REACTIONS
*BT1 transfer reactions

PICO AMP BEAM CURRENTS
(From 10 exp -12 to 10 exp -9 amp.)
*BT1 beam currents

PICOLINES
UF *methyl pyridines*
*BT1 pyridines
NT1 picolinic acid
RT pyridoxal

PICOLINIC ACID
UF *2-pyridinecarboxylic acid*
*BT1 heterocyclic acids
*BT1 picolines

PICRIC ACID
UF *picronitric acid*
UF *tnp*
UF *trinitrophenol*
*BT1 chemical explosives
*BT1 nitro compounds
*BT1 phenols
RT organic acids

picronitric acid
Use picric acid

PICRYL RADICALS
BT1 radicals

PIERCE ELECTRON GUNS
BT1 electron guns
*BT1 electron sources

PIERCE INSTABILITY
INIS: Sep 1983; ETDE: Sep 1983
BT1 instability
RT beam-plasma systems
RT electron beams

pierrelatte (cea)
Use cea pierrelatte

PIES
INIS: Apr 2000; ETDE: Feb 1979
UF *project independence evaluation system*
BT1 energy models

PIEZOELECTRICITY
BT1 electricity

PIEZOMETRY
INIS: Mar 1993; ETDE: Oct 1975
BT1 pressure measurement
RT hydrology
RT pore pressure

pig discharges
Use penning discharges

pig ion sources
Use penning ion sources

pige analysis
Use nuclear reaction analysis
AND prompt gamma radiation
AND proton reactions

PIGEONS
*BT1 birds
RT fowl

pigment cells
Use animal cells
AND pigments

PIGMENTS
(Prior to August 1996 ULTRAMARINE was a valid ETDE descriptor.)
UF *ultramarine*
UF+ *biliverdin*
UF+ *india ink*
UF+ *pigment cells*
UF+ *urobilinogen*
NT1 bilirubin
NT1 carotenoids
NT1 cytochromes
NT1 hematoporphyrins
NT1 heme
NT1 hemoglobin
NT2 methemoglobin
NT1 hemosiderin
NT1 melanin
NT1 molybdenum blue
NT1 myoglobin
NT1 phycobilins
NT1 phycocyanin
NT1 phytochromes
NT2 chlorophyll
NT1 protoporphyrins
NT1 rhodopsin

RT paints
RT phycobiliproteins
RT phycobilisomes
RT porphyrins

pigmi
Use pigmi facilities

PIGMI FACILITIES
INIS: Sep 1982; ETDE: Oct 1982
UF *pigmi*
UF *pion generator for medical irradiations*
*BT1 meson factories
RT accelerator facilities
RT irradiation devices
RT linear accelerators
RT quadrupole linacs

pigs
Use swine

PIK PHYSICAL MODEL REACTOR
INIS: Apr 2000; ETDE: Sep 1999
(Petersburg Nuclear Physics Institute, St. Petersburg, Russia.)
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

PIK REACTOR
INIS: Sep 1999; ETDE: Nov 1999
(Petersburg Nuclear Physics Institute, St. Petersburg, Russia.)
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

pikas
Use mammals

PILE NEUTRONS
*BT1 neutrons

PILE OSCILLATION TECHNIQUES
UF *oscillation techniques (pile)*
RT reactivity
RT reactor oscillators

PILE REPLACEMENT TECHNIQUES
UF *substitution techniques*
RT reactivity

piles
Use foundations

PILGRIM-1 REACTOR
(Plymouth, Massachusetts, USA)
UF *pilgrim reactor*
UF *plymouth pilgrim power reactor*
*BT1 bwr type reactors

PILGRIM-2 REACTOR
(Plymouth, Massachusetts, USA)
*BT1 pwr type reactors

PILGRIM-3 REACTOR
(Plymouth, Massachusetts, USA)
*BT1 pwr type reactors

pilgrim reactor
Use pilgrim-1 reactor

PILOCARPINE
*BT1 alkaloids
*BT1 parasympathomimetics

PILOT PLANTS
UF *plants (pilot)*
BT1 functional models
NT1 barstow solar pilot plant
NT1 wipp
RT demonstration plants
RT hef
RT industrial plants
RT mockup
RT pamela plant
RT process development units

pimephales promelas
Use fathead minnow

pin stripe event
Use nuclear explosions
AND underground explosions

PINACOL
UF *tetramethylethylene glycol*
*BT1 glycols

PINCH DEVICES
UF *grom devices*
UF *tesi devices*
BT1 thermonuclear devices
NT1 field-reversed theta pinch devices
NT1 linear pinch devices
NT2 linear hard core pinch devices
NT2 linear screw pinch devices
NT2 linear theta pinch devices
NT3 isar devices
NT3 scylla devices
NT2 linear z pinch devices
NT1 toroidal pinch devices
NT2 reversed-field pinch devices
NT3 artemis device
NT3 extrap-t2 device
NT3 hbtx devices
NT3 mst device
NT3 rfx device
NT3 tpe-1rm15 device
NT3 tpe-rx device
NT3 zt-40 devices
NT3 zt-p devices
NT2 tlp devices
NT3 zeta devices
NT2 toroidal screw pinch devices
NT3 stp-3m device
NT3 tpe-2 device
NT2 toroidal theta pinch devices
NT3 scyllac devices
RT limiters
RT pinch effect

PINCH EFFECT
NT1 hard core pinch
NT1 longitudinal pinch
NT2 belt pinch
NT1 reverse-field pinch
NT1 screw pinch
NT1 theta pinch
RT limiters
RT magnetic compression
RT magnetic field configurations
RT pinch devices
RT plasma
RT plasma filament
RT plasma focus

PINEAL GLAND
UF *epiphysis (pineal gland)*
*BT1 glands
RT brain
RT endocrine glands
RT melatonin

PINEAPPLES
INIS: Jul 1993; ETDE: Apr 1981
*BT1 fruits

PINELLAS PLANT
INIS: Sep 1977; ETDE: Nov 1976
*BT1 us doe
*BT1 us erda
RT florida

PINES
*BT1 conifers
*BT1 trees

PINES-BOHM THEORY
UF *bohm-pines theory*
RT electron gas

pinning force
Use magnetic flux

PINNIPEDS
INIS: May 1993; ETDE: Feb 1982
(Fin-footed carnivores.)
UF *seals (mammals)*
BT1 aquatic organisms
*BT1 mammals

PINOPHYTA
INIS: Feb 1992; ETDE: Jan 1989
UF *gymnosperms*
BT1 plants
NT1 conifers
NT2 cedars
NT2 firs
NT2 hemlocks
NT2 larches
NT2 pines
NT2 spruces

pins (fuel)
Use fuel pins

PION BEAMS
*BT1 meson beams

PION CONDENSATION
INIS: Aug 1978; ETDE: Jun 1977
UF *pi condensate*
RT bose-einstein condensation
RT nuclear matter
RT pions

PION DETECTION
*BT1 radiation detection
RT pion dosimetry

pion-deuteron interactions
Use pion-neutron interactions
AND pion-proton interactions

PION DOSIMETRY
BT1 dosimetry
RT pion detection

pion-exchange model
Use ope model

pion generator for medical irradiations
Use pigmi facilities

PION-HYPERON INTERACTIONS
*BT1 meson-hyperon interactions

PION-KAON INTERACTIONS
*BT1 meson-meson interactions

pion minus-deuteron interactions
Use pion minus-neutron interactions
AND pion minus-proton interactions

PION MINUS-NEUTRON INTERACTIONS
INIS: Jan 1977; ETDE: Jul 1976
UF+ *pion minus-deuteron interactions*
*BT1 pion-neutron interactions

PION MINUS-PROTON INTERACTIONS
INIS: Jan 1977; ETDE: Jul 1976
UF+ *pion minus-deuteron interactions*
*BT1 pion-proton interactions

PION MINUS REACTIONS
INIS: Jan 1977; ETDE: Jul 1976
*BT1 pion reactions

PION-NEUTRON INTERACTIONS
(From February 1975 till May 1996 PION-DEUTERON INTERACTIONS was a valid ETDE descriptor.)
UF+ *pion-deuteron interactions*
*BT1 pion-nucleon interactions
NT1 pion minus-neutron interactions
NT1 pion plus-neutron interactions

PION-NUCLEON INTERACTIONS
*BT1 meson-nucleon interactions
NT1 pion-neutron interactions
NT2 pion minus-neutron interactions
NT2 pion plus-neutron interactions
NT1 pion-proton interactions
NT2 pion minus-proton interactions
NT2 pion plus-proton interactions

PION-PION INTERACTIONS
*BT1 meson-meson interactions

pion plus-deuteron interactions
Use pion plus-neutron interactions
AND pion plus-proton interactions

PION PLUS-NEUTRON INTERACTIONS
INIS: Jan 1977; ETDE: Jul 1976
UF+ *pion plus-deuteron interactions*
*BT1 pion-neutron interactions

PION PLUS-PROTON INTERACTIONS
INIS: Jan 1977; ETDE: Jul 1976
UF+ *pion plus-deuteron interactions*
*BT1 pion-proton interactions

PION PLUS REACTIONS
INIS: Jan 1977; ETDE: Jul 1976
*BT1 pion reactions

PION-PROTON INTERACTIONS
(From February 1975 till May 1996 PION-DEUTERON INTERACTIONS was a valid ETDE descriptor.)
UF+ *pion-deuteron interactions*
*BT1 pion-nucleon interactions
NT1 pion minus-proton interactions
NT1 pion plus-proton interactions

PION REACTIONS
*BT1 meson reactions
NT1 pion minus reactions
NT1 pion plus reactions

PIONEER SPACE PROBES
*BT1 space vehicles

PIONIC ATOMS
*BT1 mesic atoms
RT pionium

PIONIUM
INIS: Nov 1985; ETDE: Apr 1975
(Bound state of pions plus and pions minus.)
RT bound state
RT kaonium
RT muonium
RT pionic atoms
RT pions minus
RT pions plus

PIONIZATION
*BT1 multiple production
RT cluster emission model

PIONS
UF+ *muon-pion interactions*
*BT1 pseudoscalar mesons
NT1 cosmic pions
NT1 pions minus
NT1 pions neutral
NT1 pions plus
RT abc effect
RT goldberger-treiman relation
RT pi-k atoms
RT pi-mu atoms
RT pion condensation

PIONS MINUS
*BT1 pions
RT pionium

PIONS NEUTRAL
*BT1 pions
RT primakoff effect

PIONS PLUS
*BT1 pions
RT pionium

PIPE FITTINGS
RT expansion joints
RT nozzles
RT orifices
RT pipelines
RT pipes
RT plumbing
RT pressure vessels
RT restraints
RT seals
RT valves
RT water faucets

PIPE JOINTS
BT1 joints
RT expansion joints
RT plumbing

pipe restraints
Use restraints

PIPE WHIP
INIS: Jan 1984; ETDE: Mar 1991
(Large amplitude mechanical motion of a pipe due to changes in the flow of the fluid in the pipe.)
RT dynamic loads
RT pipes
RT steam lines

pipeline quality gas
Use high btu gas

PIPELINES
(From April 1978 to February 1997 FREIGHT PIPELINES was a valid ETDE descriptor.)
UF *freight pipelines*
SF *energy transport*
SF *transport (energy)*
NT1 alaska gas pipeline
NT1 alaska oil pipeline
NT1 arctic gas pipelines
NT1 slurry pipelines
NT1 steam lines
RT gas hydrates
RT hydraulic transport
RT natural gas distribution systems
RT pipe fittings
RT pipes
RT pneumatic transport
RT polar gas project
RT positioning
RT rights-of-way
RT scrapers
RT transport

PIPERAZINES
*BT1 pyrazines
RT amines

PIPERIDINES
UF *hexahydropyridines*
UF *pentamethyleneimines*
UF+ *tmpn*
*BT1 amines
*BT1 pyridines
NT1 dipyridamole
NT1 pethidine
NT1 triacetoneamine-n-oxyl

PIPES
UF *tubes (conduits)*
BT1 tubes
NT1 drill pipes
NT1 marine risers
NT1 penstocks
RT borescopes
RT cylinders
RT diffusers
RT ducts
RT heat pipes
RT pipe fittings
RT pipe whip
RT pipelines
RT plumbing
RT restraints
RT scrapers
RT well casings

PIPPARD THEORY
RT superconductivity

piqua nuclear power facility
Use pnpf reactor

piqua organic moderated reactor
Use pnpf reactor

PIRANI GAGES
*BT1 hot-wire gages
*BT1 vacuum gages

pircon-peck process
Use desulfurization

PIS SOLAR CELLS
INIS: Apr 2000; ETDE: Jul 1981
UF *polymer-insulator-semiconductor solar cells*
*BT1 solar cells
RT organic solar cells

PISTONS
INIS: Jul 1993; ETDE: Jan 1976
BT1 machine parts
RT internal combustion engines

PISUM
UF *pea plant*
*BT1 leguminosae
RT peas

pitch (reactor parameters)
Use reactor lattice parameters

pitch angle
Use inclination

PITCHBLENDE
*BT1 uraninites

PITCHES
(The residues from the destructive distillation of tars.)
*BT1 other organic compounds
RT tar

PITOT TUBES
RT flowmeters

pits
Use spectroscopy

PITTING CORROSION
*BT1 corrosion
RT cathodic protection

pittsburg-midway solvent refined coal process
Use src process

PITTSBURGH
INIS: Jul 1992; ETDE: Sep 1976
*BT1 pennsylvania
BT1 urban areas

PITTSBURGH ENERGY TECHNOLOGY CENTER
INIS: Jul 1992; ETDE: Mar 1979
*BT1 us doe

pittsburgh oxydesulfurization process
Use desulfurization

PITUITARY GLAND
UF *hypophysis*
*BT1 endocrine glands
RT acromegaly
RT cushing syndrome
RT homeostasis
RT hypophysectomy
RT hypothalamus
RT lactogens
RT pituitary hormones

PITUITARY HORMONES
*BT1 peptide hormones
NT1 acth
NT1 gonadotropins
NT2 fsh
NT2 hcg
NT2 lh
NT2 lth
NT1 liberins
NT2 lh-rh
NT1 oxytocin
NT1 sth
NT1 tsh
NT1 vasopressin
RT hypophysectomy
RT pituitary gland

PIVALIC ACID
UF *dimethylpropionic acid*
UF *trimethylacetic acid*
*BT1 monocarboxylic acids

PIXE ANALYSIS
INIS: Sep 1980; ETDE: Oct 1980
(Prior to October 1980, this concept in ETDE was indexed to X-RAY EMISSION ANALYSIS.)
UF *proton-induced x-ray emission analysis*
*BT1 x-ray emission analysis

PL-1 LANGUAGE
BT1 programming languages

pl-11 language
Use programming languages

PLACENTA
*BT1 fetal membranes
RT hpl
RT lactogens
RT pregnancy

PLACERS
BT1 geologic deposits
RT alluvial deposits

PLACZEC FUNCTION
UF *bethe-placzec model*
BT1 functions
RT neutron slowing-down theory

PLAGES
BT1 solar activity
RT chromosphere
RT faculae

plagioclase
Use anorthosites

plagioclasite
Use anorthosites

PLAICE
*BT1 fishes
RT food chains
RT seafood

plainsboro irl pool type reactor
Use irl reactor

PLANARIA
*BT1 turbellaria

PLANCK LAW
RT quantum mechanics

PLANCK RADIATION FORMULA
RT blackbody radiation
RT thermodynamics

plane-wave born approximation
Use born approximation

PLANET-SYSTEM ACCRETION
UF *accretion (planet-system)*
RT cosmological models
RT galactic evolution
RT solar system evolution
RT star accretion

PLANETARY ATMOSPHERES
(Excludes the concept covered by EARTH ATMOSPHERE.)
BT1 atmospheres
NT1 planetary ionospheres
NT1 planetary magnetospheres

planetary evolution
Use solar system evolution

PLANETARY IONOSPHERES
INIS: Sep 1978; ETDE: Oct 1978
(Excludes the Earth's ionosphere for which use IONOSPHERE.)
*BT1 planetary atmospheres

PLANETARY MAGNETOSPHERES
INIS: Jul 1976; ETDE: Nov 1976
(Excludes the Earth's magnetosphere.)
UF *magnetospheres (planetary)*
*BT1 planetary atmospheres
RT earth magnetosphere

PLANETARY NEBULAE
BT1 nebulae
RT stars

PLANETS
NT1 earth planet
NT2 northern hemisphere
NT2 southern hemisphere
NT1 jupiter planet
NT1 mars planet
NT1 mercury planet
NT1 neptune planet
NT1 pluto planet
NT1 saturn planet
NT1 uranus planet
NT1 venus planet
RT asteroids
RT protoplanets
RT solar system

PLANKTON
(Aquatic organisms that drift or swim weakly.)
BT1 aquatic organisms
NT1 ichthyoplankton
NT1 phytoplankton
NT1 zooplankton
RT bacteria
RT biological materials
RT biomass
RT daphnia
RT protozoa
RT surface waters
RT unicellular algae

planned communities
See communities
OR urban areas

PLANNING
(Projected design of plants or equipment as well as projected human efforts.)
NT1 experiment planning
RT advisory committees
RT allocations
RT cancellation
RT computer-aided design
RT construction
RT coordinated research programs
RT decision making
RT decision tree analysis
RT delphi method
RT demonstration programs
RT design
RT emergency plans
RT energy policy
RT environmental policy
RT fault tree analysis
RT feasibility studies
RT forecasting
RT government policies
RT implementation
RT optimization
RT organizational models
RT organizing
RT pert method
RT production

RT regional cooperation
RT research programs
RT schedules
RT site selection

PLANT BREEDING
RT adventitious bud technique
RT disease resistance
RT drought resistance
RT irradiation
RT morphological changes
RT mutagens
RT mutants
RT mutations
RT plant growth
RT productivity
RT progeny
RT radiation induced mutants
RT reproduction
RT silviculture

PLANT CELLS
UF *cells (plant)*
UF *protoplasts*
UF+ *cell growth (plant)*
RT cell constituents
RT cell cultures
RT cell flow systems
RT cell wall
RT chloroplasts
RT clone cells
RT cytology
RT delignification
RT in vivo

PLANT CONDENSATES
INIS: Apr 2000; ETDE: Dec 1979
(Natural gas plant liquids, mostly pentanes and heavier, separated and recovered as liquids at gas inlet separators or scrubbers in natural gas processing plants.)
*BT1 natural gas liquids
RT liquefied petroleum gases

plant cultivation
Use cultivation techniques

PLANT DISEASES
RT chlorosis
RT disease incidence
RT disease resistance
RT mildew
RT parasites
RT tobacco mosaic virus

plant fossils
Use fossils

PLANT GROWTH
BT1 growth
RT carbon dioxide fixation
RT drought resistance
RT hydroponic culture
RT kinetin
RT nitrogen fixation
RT plant breeding
RT plants
RT sprouting

PLANT GROWTH REGULATORS
NT1 abscisic acid
NT1 auxins
RT kinetin

PLANT SAP
INIS: Jul 1993; ETDE: Jun 1985
(The fluid that circulates in plants.)
*BT1 biological materials
RT nutrients
RT plants
RT translocation
RT transpiration

PLANT STEMS
UF *stem (plant)*
RT bark
RT plants
RT straw

PLANT TISSUES
SF *tissues*
NT1 bark
NT1 endosperm
NT1 meristems
NT1 mycelium
RT animal tissues
RT chlorosis

PLANTS
UF *vegetation*
NT1 algae
NT2 chlorophycota
NT3 acetabularia
NT3 chlamydomonas
NT3 chlorella
NT3 nitella
NT3 scenedesmus
NT2 chromophycota
NT3 diatoms
NT3 fucus
NT3 laminaria
NT2 lichens
NT2 rhodophycota
NT3 porphyra
NT2 ulva
NT2 unicellular algae
NT3 chlamydomonas
NT3 chlorella
NT3 euglena
NT3 scenedesmus
NT1 bryophyta
NT2 mosses
NT1 c4 species
NT1 calvin cycle species
NT1 euglenophycota
NT2 euglena
NT1 ferns
NT1 forage
NT1 fungi
NT2 eumycota
NT3 aspergillus
NT3 fusarium
NT3 lichens
NT3 mildew
NT3 neurospora
NT3 penicillium
NT3 phanerochaete
NT3 rhizopus
NT3 trichoderma
NT4 trichoderma viride
NT3 ustilago
NT3 yeasts
NT4 candida
NT4 saccharomyces
NT5 saccharomyces cerevisiae
NT4 torula
NT2 mushrooms
NT2 myxomycetes
NT2 physarum
NT2 polyporus versicolor
NT1 herbs
NT2 marihuana
NT2 meadow foam
NT1 magnoliophyta
NT2 liliopsida
NT3 allium sativum
NT3 aloe
NT3 banana plants
NT3 buckwheat
NT3 cattails
NT3 coconut palms
NT3 gramineae
NT4 bamboo
NT4 cereals
NT5 barley
NT5 maize
NT5 millet
NT5 oats
NT5 rice
NT5 rye
NT5 sorghum
NT5 wheat
NT4 reeds
NT5 sugar cane
NT3 lilium
NT3 oil palms
NT3 onions
NT4 allium cepa
NT3 tradescantia
NT3 water hyacinths
NT2 magnoliopsida
NT3 arabidopsis
NT3 beech trees
NT3 beets
NT4 sugar beets
NT3 birches
NT3 brassica
NT4 kale
NT3 buffalo gourd
NT3 cacao trees
NT3 cacti
NT3 capsicum
NT3 carnations
NT3 carrots
NT3 cassava
NT3 chenopodiaceae
NT3 chestnut trees
NT3 citrus
NT3 coffee plants
NT3 corchorus
NT4 jute
NT3 cotton plants
NT3 crepis
NT3 cucumbers
NT3 digitalis
NT3 eucalyptuses
NT3 euphorbia
NT4 castor
NT4 milkweed
NT4 rubber trees
NT5 guayule
NT5 hevea
NT3 flax plants
NT3 jojoba
NT3 leguminosae
NT4 alfalfa
NT4 clover
NT4 glycine hispida
NT4 locust trees
NT4 mesquite
NT4 phaseolus
NT4 pisum
NT4 vicia
NT4 vigna
NT3 lettuce
NT3 mangroves
NT3 maples
NT3 marihuana
NT3 meadow foam
NT3 nicotiana
NT3 oaks
NT3 olive trees
NT3 papaver somniferum
NT3 pecan trees
NT3 poplars
NT4 aspens
NT4 cottonwoods
NT3 radishes
NT3 ranunculaceae

NT3 rosaceae
NT4 strawberries
NT3 sesamum indicum
NT3 solanum
NT4 solanum tuberosum
NT3 spinach
NT3 sunflowers
NT3 sweet gums
NT3 sycamores
NT3 tea plants
NT3 willows
NT3 yams
NT1 medicinal plants
NT2 aloe
NT2 castor
NT2 digitalis
NT2 papaver somniferum
NT1 ornamental plants
NT1 phytoplankton
NT1 pinophyta
NT2 conifers
NT3 cedars
NT3 firs
NT3 hemlocks
NT3 larches
NT3 pines
NT3 spruces
NT1 preferred species
NT1 seaweeds
NT2 fucus
NT2 laminaria
NT1 shrubs
NT2 jojoba
NT1 transgenic plants
NT1 trees
NT2 beech trees
NT2 birches
NT2 cacao trees
NT2 cedars
NT2 chestnut trees
NT2 coconut palms
NT2 deciduous trees
NT2 eucalyptuses
NT2 firs
NT2 fruit trees
NT2 locust trees
NT2 mangroves
NT2 maples
NT2 mesquite
NT2 oaks
NT2 oil palms
NT2 olive trees
NT2 pecan trees
NT2 pines
NT2 poplars
NT3 aspens
NT3 cottonwoods
NT2 rubber trees
NT3 guayule
NT3 hevea
NT2 spruces
NT2 sweet gums
NT2 sycamores
NT2 willows
NT1 vegetables
NT2 beans
NT3 mungbeans
NT2 beets
NT3 sugar beets
NT2 brassica
NT3 kale
NT2 carrots
NT2 cucumbers
NT2 garlic
NT2 lettuce
NT2 onions
NT3 allium cepa
NT2 peas
NT2 peppers
NT2 potatoes
NT2 radishes
NT2 soybeans
NT2 spinach
NT2 yams
NT1 weeds
RT agriculture
RT alkaloids
RT aquatic organisms
RT biological extinction
RT biological materials
RT biology
RT biomass
RT botany
RT buds
RT bulbs
RT canopies
RT chlorophyll
RT endangered species
RT essential oils
RT fertilizers
RT flowers
RT fruits
RT ground cover
RT interception
RT leaves
RT plant growth
RT plant sap
RT plant stems
RT rangelands
RT renewable energy sources
RT revegetation
RT roots
RT seedlings
RT seeds
RT soils
RT species diversity
RT sprouting
RT stomata
RT symbiosis
RT throughfall
RT translocation
RT transpiration
RT tubers
RT vegetative propagation

plants (industrial)
Use industrial plants

plants (pilot)
Use pilot plants

plants (power)
Use power plants

PLAQUE FORMATION
INIS: Apr 1978; ETDE: Jul 1978
RT bacteriophages
RT bioassay
RT clone cells
RT viruses

PLASMA
NT1 ambiplasma
NT1 cold plasma
NT1 collisional plasma
NT1 collisionless plasma
NT1 equilibrium plasma
NT1 fissioning plasma
NT1 high-beta plasma
NT1 homogeneous plasma
NT1 hot plasma
NT1 inhomogeneous plasma
NT1 laser-produced plasma
NT1 low-beta plasma
NT1 medium-beta plasma
NT1 non-equilibrium plasma
NT1 optically thick plasma
NT1 optically thin plasma
NT1 quantum plasma
NT1 quiescent plasma
NT1 relativistic plasma
NT1 rotating plasma
NT1 solid-state plasma
NT2 electron-hole droplets
RT aspect ratio
RT beam-plasma systems
RT bohm criterion
RT boltzmann-vlasov equation
RT bootstrap current
RT breakeven
RT compact torus
RT distribution functions
RT electric arcs
RT gas blankets
RT grad-shafranov equation
RT guiding-center approximation
RT holtsmark theory
RT impurities
RT ionic composition
RT ionized gases
RT kinetic equations
RT langmuir frequency
RT loss cone
RT magnetic field configurations
RT magnetic field ripples
RT magnetic islands
RT magnetohydrodynamics
RT mass balance
RT neoclassical transport theory
RT non-inductive current drive
RT pinch effect
RT plasma acceleration
RT plasma confinement
RT plasma density
RT plasma diagnostics
RT plasma diamagnetism
RT plasma drift
RT plasma eaters
RT plasma expansion
RT plasma filament
RT plasma focus
RT plasma heating
RT plasma impurities
RT plasma instability
RT plasma production
RT plasma radial profiles
RT plasma rings
RT plasma scrape-off layer
RT plasma simulation
RT plasma waves
RT plasmoids
RT sawtooth oscillations
RT solar wind
RT spitzer theory
RT voigt effect
RT wall effects

plasma (blood)
Use blood plasma

plasma (quark)
Use quark matter

PLASMA ACCELERATION
BT1 acceleration
RT plasma
RT plasma guns
RT plasma jets

plasma accelerators
Use plasma guns

PLASMA ARC SPRAYING
*BT1 spray coating

PLASMA ARC WELDING
*BT1 arc welding

PLASMA BEAM INJECTION
BT1 beam injection

PLASMA BETATRONS
UF *budker accelerators*
*BT1 collective accelerators
RT betatrons

PLASMA CELLS
UF *plasmocytes*
*BT1 connective tissue cells
RT bone marrow
RT lymphocytes

PLASMA CENTRIFUGES
INIS: Jul 1985; ETDE: Sep 1989
UF *vacuum arc centrifuges*
*BT1 centrifuges
RT isotope separation

plasma clearance
Use blood-plasma clearance

PLASMA CONFINEMENT
(Prior to January 1983 this concept was indexed by CONFINEMENT.)
BT1 confinement
NT1 inertial confinement
NT1 magnetic confinement
NT2 h-mode plasma confinement
NT2 l-mode plasma confinement
RT confinement time
RT gas blankets
RT limiters
RT magnetic surfaces
RT marfe
RT mass balance
RT particle losses
RT plasma
RT plasma disruption
RT plateau regime
RT sawtooth oscillations
RT thermal barriers
RT tritium recovery

PLASMA CORE ASSEMBLY
INIS: Apr 1977; ETDE: Aug 1975
UF *lasl cold critical assembly*
UF *pca-lasl facility*
*BT1 gas fueled reactors
*BT1 zero power reactors

plasma currents
Use electric currents

PLASMA DENSITY
UF *density (plasma)*
RT debye length
RT lawson criterion
RT plasma
RT plasma expansion
RT plasma focus

PLASMA DIAGNOSTICS
UF *diagnostics (fusion)*
RT limiters
RT neutral particle analyzers
RT plasma
RT plasma eaters
RT sonic probes

PLASMA DIAMAGNETISM
*BT1 diamagnetism
RT plasma

plasma diodes
Use thermionic diodes

PLASMA DISRUPTION
INIS: Sep 1983; ETDE: Sep 1983
RT confinement time
RT nonlinear problems
RT particle losses
RT plasma confinement
RT plasma macroinstabilities
RT sawtooth oscillations
RT tearing instability
RT tokamak devices

PLASMA DRIFT
UF *drift (plasma)*
RT ambipolar diffusion
RT drift instability
RT plasma
RT plasma expansion
RT plasma fluid equations

PLASMA EATERS
*BT1 electric probes
*BT1 flowmeters
RT electron density
RT flow rate
RT plasma
RT plasma diagnostics

plasma erosion opening switches
Use plasma switches

PLASMA EXPANSION
BT1 expansion
RT plasma
RT plasma density
RT plasma drift
RT plasma instability

PLASMA FILAMENT
UF *filament (plasma)*
RT pinch effect
RT plasma
RT plasma focus
RT plasma jets

PLASMA FLUID EQUATIONS
INIS: Nov 1988; ETDE: Dec 1988
UF *fluid equations (plasma)*
*BT1 boltzmann-vlasov equation
RT magnetohydrodynamics
RT moments method
RT plasma drift
RT plasma simulation

PLASMA FOCUS
RT pinch effect
RT plasma
RT plasma density
RT plasma filament
RT plasma focus devices
RT plasma guns

PLASMA FOCUS DEVICES
*BT1 open plasma devices
NT1 pf-1000 device
RT plasma focus

plasma frequency
Use langmuir frequency

PLASMA FURNACES
BT1 furnaces
RT arc furnaces

PLASMA GUNS
UF *guns (plasma)*
UF *plasma accelerators*
RT impact fusion drivers
RT plasma acceleration
RT plasma focus
RT plasma jets
RT plasma rings

PLASMA HEATING
BT1 heating
NT1 adiabatic compression heating
NT1 beam injection heating
NT1 high-frequency heating
NT2 ecr heating
NT2 icr heating
NT2 lower hybrid heating
NT2 magnetic-pumping heating
NT3 acoustic heating
NT3 collisional heating
NT3 transit-time magnetic pumping
NT1 joule heating
NT2 current-drive heating
NT1 laser-radiation heating
NT1 shock heating
NT1 turbulent heating
RT bernstein mode
RT microwave heating
RT mode conversion
RT plasma
RT plasma potential
RT plasma production
RT thermonuclear devices

PLASMA IMPURITIES
INIS: Apr 1990; ETDE: May 1990
BT1 impurities
RT divertors
RT limiters
RT particle influx
RT plasma
RT plasma scrape-off layer
RT wall effects

PLASMA INSTABILITY
BT1 instability
NT1 absolute instabilities
NT1 convective instabilities
NT1 decay instability
NT1 explosive instability
NT1 gravitational instability
NT1 plasma macroinstabilities
NT2 ballooning instability
NT2 edge localized modes
NT2 fishbone instability
NT2 flute instability
NT2 helical instability
NT2 helmholtz instability
NT2 kink instability
NT2 parametric instabilities
NT2 sausage instability
NT2 tearing instability
NT2 tilting instability
NT2 trapped-particle instability
NT2 whistler instability
NT1 plasma microinstabilities
NT2 bump-in-tail instability
NT2 cyclotron instability
NT2 drift instability
NT2 hose instability
NT2 ion wave instability
NT2 loss cone instability
NT2 negative mass instability
NT2 two-stream instability
RT dispersion relations
RT instability growth rates
RT marfe
RT mercier criterion
RT mhd equilibrium
RT negative mass effect
RT nonlinear problems
RT plasma
RT plasma expansion
RT suydam criterion

PLASMA JETS
RT plasma acceleration
RT plasma filament
RT plasma guns

plasma lens
Use electromagnetic lenses

PLASMA MACROINSTABILITIES
UF *mhd instabilities (plasma)*
*BT1 plasma instability
NT1 ballooning instability
NT1 edge localized modes
NT1 fishbone instability
NT1 flute instability
NT1 helical instability
NT1 helmholtz instability
NT1 kink instability
NT1 parametric instabilities
NT1 sausage instability
NT1 tearing instability
NT1 tilting instability
NT1 trapped-particle instability
NT1 whistler instability
RT decay instability
RT plasma disruption
RT rayleigh-taylor instability

PLASMA MICROINSTABILITIES
*BT1 plasma instability
NT1 bump-in-tail instability
NT1 cyclotron instability
NT1 drift instability
NT1 hose instability
NT1 ion wave instability
NT1 loss cone instability
NT1 negative mass instability
NT1 two-stream instability
RT decay instability

plasma opening switches
Use plasma switches

plasma oscillations
Use plasma waves

PLASMA POTENTIAL
INIS: Nov 1988; ETDE: Dec 1988
(The electrostatic potential of a plasma along a magnetic field line.)
BT1 electric potential
RT charge exchange
RT magnetic mirror configurations
RT magnetic mirrors
RT plasma heating

PLASMA PRESSURE
UF *pressure (plasma)*
RT beta ratio

PLASMA PRODUCTION
UF *production (plasma)*
RT high-frequency discharges
RT ionization
RT laser-produced plasma
RT plasma
RT plasma heating
RT thermonuclear devices

PLASMA RADIAL PROFILES
INIS: Sep 1989; ETDE: Oct 1989
UF *radial profiles (plasma)*
RT magnetic flux coordinates
RT magnetic surfaces
RT plasma
RT spatial distribution
RT stellarators
RT tokamak devices

PLASMA RINGS
INIS: Feb 1984; ETDE: Mar 1984
RT compact torus
RT plasma
RT plasma guns

PLASMA SCRAPE-OFF LAYER
INIS: Sep 1983; ETDE: Sep 1983
*BT1 boundary layers
RT plasma
RT plasma impurities

PLASMA SEEDING
INIS: Oct 1976; ETDE: Feb 1975
(Restricted to MHD.)
UF *seeding (plasma)*
RT ionization
RT ionization potential
RT mhd channels
RT mhd generators
RT seed recovery
RT seed-slag interactions
RT spent seed

PLASMA SHEATH
RT boundary layers
RT marfe
RT reentry

PLASMA SHEET
*BT1 earth magnetosphere
RT magnetotail

PLASMA SIMULATION
UF *models (plasma)*
BT1 simulation
RT functional models
RT plasma
RT plasma fluid equations
RT simulators

plasma substitutes
Use blood substitutes

PLASMA SURFACE WAVES
INIS: Jan 2001; ETDE: Nov 1999
UF *surface waves (plasma)*
BT1 plasma waves
RT boundary layers
RT hydromagnetic waves
RT wave propagation

PLASMA SWITCHES
INIS: Jan 1986; ETDE: Apr 1983
(Switches employing a current-conducting plasma for operation.)
UF *peos*
UF *plasma erosion opening switches*
UF *plasma opening switches*
UF *reflex switches*
*BT1 switches
RT pulse generators
RT pulse techniques

plasma temperature
Use electron temperature
AND ion temperature

plasma-wall interactions
Use wall effects

PLASMA WAVES
UF *electrostatic waves*
UF *langmuir oscillations*
UF *oscillations (plasma)*
UF *plasma oscillations*
SF *tonks-dattner resonance*
NT1 electron plasma waves
NT1 ion waves
NT2 ion acoustic waves
NT2 ion plasma waves
NT1 plasma surface waves
RT alfven waves
RT beat wave accelerators
RT decay instability
RT dispersion relations
RT frequency mixing
RT harmonics
RT hydromagnetic waves
RT landau damping
RT normal-mode analysis
RT oscillation modes
RT plasma
RT plasmons
RT tonks-langmuir theory
RT wakefield accelerators
RT whistler instability

PLASMAPAUSE
*BT1 earth magnetosphere
RT boundary layers
RT international magnetospheric study
RT loss cone
RT magnetotail
RT plasmasphere

PLASMASPHERE
*BT1 earth magnetosphere
RT international magnetospheric study
RT magnetotail
RT plasmapause

PLASMATRONS
BT1 electron tubes
NT1 duoplasmatrons
NT1 triplasmatrons

PLASMIDS
INIS: Jan 1982; ETDE: Dec 1977
UF *paragenes*
BT1 cell constituents
RT cytoplasm
RT genes
RT genetics
RT transposons

plasmin
Use fibrinolysin

PLASMINOGEN
INIS: May 1984; ETDE: Apr 1981
*BT1 blood coagulation factors
*BT1 fibrinolytic agents

plasmocytes
Use plasma cells

PLASMODIUM
*BT1 sporozoa
RT malaria

PLASMOIDS
RT plasma

PLASMONS
BT1 quasi particles
RT plasma waves
RT solid-state plasma

plaster of paris
Use gypsum cements

PLASTIC FOAMS
*BT1 foams
*BT1 organic polymers

plastic properties
Use plasticity

plastic scintillation counters
Use plastic scintillation detectors

PLASTIC SCINTILLATION DETECTORS
UF *plastic scintillation counters*
*BT1 solid scintillation detectors
RT plastic scintillators

PLASTIC SCINTILLATORS
BT1 phosphors
RT anthracene
RT plastic scintillation detectors
RT terphenyls

PLASTIC SURGERY
*BT1 surgery
RT transplants

PLASTICITY
UF *plastic properties*
BT1 mechanical properties
RT creep
RT deformation
RT ductility
RT flow stress
RT thixotropy

PLASTICIZERS
(A chemical such as castor oil or linseed oil added to rubbers, resins, or other material to impart flexibility, workability, or stretchability.)
RT linseed oil
RT organic polymers
RT rubbers

PLASTICS
(Until July 1994 this concept was indexed by ORGANIC POLYMERS)
UF+ *laminac*
*BT1 organic polymers
*BT1 petrochemicals
*BT1 synthetic materials
NT1 aramids
NT1 bakelite
NT1 formvar
NT1 lucite
NT1 mylar
NT1 nylon
NT1 perspex
NT1 plexiglas
NT1 polystyrene
NT1 polyurethanes
NT2 halthane
NT1 reinforced plastics
NT1 tedlar
NT1 teflon
NT1 thermoplastics
RT concrete-plastic composites
RT plastics industry

PLASTICS INDUSTRY
INIS: Apr 2000; ETDE: Nov 1978
BT1 industry
RT plastics

PLASTOQUINONE
INIS: Apr 2000; ETDE: Jul 1981
*BT1 benzoquinones
RT photosynthesis

PLATE TECTONICS
INIS: Apr 2000; ETDE: Aug 1976
(Global tectonics based on an earth model characterized by a small number (10-25) of large, broad, thick plates (blocks composed of areas of both continental and oceanic crust and mantle) each of which "floats" on some viscous underlayer in the mantle and moves more or less independently of the others.)
BT1 tectonics
RT earth crust
RT gondwana
RT paleomagnetism
RT sea-floor spreading
RT subduction zones

PLATEAU REGIME
INIS: Nov 1982; ETDE: Apr 1980
(The collision frequency regime characterized by an effective Coulomb scattering rate equal to or greater than the poloidal transit frequency, but a mean free path less than the connection length. In this regime the transport coefficients are independent of collision frequency.)
RT neoclassical transport theory
RT plasma confinement
RT tokamak devices
RT trapping

PLATES
(Thicker than sheets or foils.)
RT foils
RT prismatic configuration
RT rectangular configuration
RT shape
RT sheets
RT slabs

plates (fuel)
Use fuel plates

platform mounted nuclear plant
Use offshore nuclear power plants

PLATING
(For the process only.)
*BT1 surface coating
NT1 electroplating
NT1 vapor plating
RT cladding
RT rolling

plating solutions
Use process solutions

PLATINUM
*BT1 platinum metals

PLATINUM 168
INIS: May 1986; ETDE: Jul 1986
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 platinum isotopes

PLATINUM 169
INIS: May 1986; ETDE: Jul 1986
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 platinum isotopes

PLATINUM 170
INIS: May 1986; ETDE: May 1984
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 platinum isotopes

PLATINUM 171
INIS: May 1986; ETDE: Mar 1982
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 platinum isotopes

PLATINUM 172
INIS: Jun 1985; ETDE: Mar 1982
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 platinum isotopes

PLATINUM 173
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 platinum isotopes

PLATINUM 174
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 platinum isotopes

PLATINUM 175
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 platinum isotopes
*BT1 seconds living radioisotopes

PLATINUM 176
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 platinum isotopes
*BT1 seconds living radioisotopes

PLATINUM 177
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 platinum isotopes
*BT1 seconds living radioisotopes

PLATINUM 178
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 platinum isotopes
*BT1 seconds living radioisotopes

PLATINUM 179
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 platinum isotopes
*BT1 seconds living radioisotopes

PLATINUM 180
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 platinum isotopes
*BT1 seconds living radioisotopes

PLATINUM 181
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 platinum isotopes
*BT1 seconds living radioisotopes

PLATINUM 182
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes

*BT1 platinum isotopes

PLATINUM 183
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 platinum isotopes
*BT1 seconds living radioisotopes

PLATINUM 184
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 minutes living radioisotopes
*BT1 platinum isotopes

PLATINUM 185
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 minutes living radioisotopes
*BT1 platinum isotopes

PLATINUM 186
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 platinum isotopes

PLATINUM 187
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 platinum isotopes

PLATINUM 188
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 platinum isotopes

PLATINUM 189
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 platinum isotopes

PLATINUM 190
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 platinum isotopes
*BT1 years living radioisotopes

PLATINUM 190 TARGET
INIS: Sep 1979; ETDE: Oct 1979
BT1 targets

PLATINUM 191
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 platinum isotopes

PLATINUM 192
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 platinum isotopes
*BT1 stable isotopes

PLATINUM 192 TARGET
INIS: Jan 1978; ETDE: Jun 1977
BT1 targets

PLATINUM 193
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 platinum isotopes
*BT1 years living radioisotopes

PLATINUM 194
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 platinum isotopes
*BT1 stable isotopes

PLATINUM 194 TARGET
BT1 targets

PLATINUM 195
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 platinum isotopes
*BT1 stable isotopes

PLATINUM 195 TARGET
BT1 targets

PLATINUM 196
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 platinum isotopes
*BT1 stable isotopes

PLATINUM 196 TARGET
BT1 targets

PLATINUM 197
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 platinum isotopes

PLATINUM 198
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 platinum isotopes
*BT1 stable isotopes

PLATINUM 198 TARGET
BT1 targets

PLATINUM 199
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 platinum isotopes
*BT1 seconds living radioisotopes

PLATINUM 200
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 platinum isotopes

PLATINUM 201
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 platinum isotopes

PLATINUM 202
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 platinum isotopes

PLATINUM 203
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 platinum isotopes

PLATINUM 204
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 platinum isotopes

PLATINUM 205
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 platinum isotopes

PLATINUM 206
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 platinum isotopes

PLATINUM 207
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 platinum isotopes

PLATINUM 208
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 platinum isotopes

PLATINUM ADDITIONS
(Alloys containing not more than 1% Pt are listed here.)
RT platinum alloys

PLATINUM ALLOYS
(Alloys containing more than 1% Pt.)
*BT1 platinum metal alloys
NT1 platinum base alloys
RT platinum additions

PLATINUM ARSENIDES
INIS: Apr 2000; ETDE: Aug 1985
*BT1 arsenides
*BT1 platinum compounds

PLATINUM BASE ALLOYS
*BT1 platinum alloys

PLATINUM BROMIDES
*BT1 bromides
*BT1 platinum compounds

PLATINUM CARBIDES
*BT1 carbides
*BT1 platinum compounds

PLATINUM CHLORIDES
*BT1 chlorides
*BT1 platinum compounds

PLATINUM COMPLEXES
*BT1 transition element complexes

PLATINUM COMPOUNDS
BT1 transition element compounds
NT1 platinum arsenides
NT1 platinum bromides
NT1 platinum carbides
NT1 platinum chlorides
NT1 platinum fluorides
NT1 platinum hydrides
NT1 platinum hydroxides
NT1 platinum iodides
NT1 platinum oxides
NT1 platinum phosphides
NT1 platinum silicides
NT1 platinum sulfates
NT1 platinum sulfides
NT1 platinum tellurides

PLATINUM FLUORIDES
*BT1 fluorides
*BT1 platinum compounds

PLATINUM HYDRIDES
INIS: Nov 1979; ETDE: Jan 1975
*BT1 hydrides
*BT1 platinum compounds

PLATINUM HYDROXIDES
INIS: Apr 2000; ETDE: Jul 1979
*BT1 hydroxides
*BT1 platinum compounds

PLATINUM IODIDES
*BT1 iodides
*BT1 platinum compounds

PLATINUM IONS
*BT1 ions

PLATINUM ISOTOPES
BT1 isotopes
NT1 platinum 168
NT1 platinum 169
NT1 platinum 170
NT1 platinum 171
NT1 platinum 172
NT1 platinum 173
NT1 platinum 174
NT1 platinum 175
NT1 platinum 176
NT1 platinum 177
NT1 platinum 178
NT1 platinum 179
NT1 platinum 180
NT1 platinum 181
NT1 platinum 182
NT1 platinum 183
NT1 platinum 184
NT1 platinum 185
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NT1 platinum 187
NT1 platinum 188
NT1 platinum 189
NT1 platinum 190
NT1 platinum 191
NT1 platinum 192
NT1 platinum 193
NT1 platinum 194
NT1 platinum 195
NT1 platinum 196
NT1 platinum 197
NT1 platinum 198
NT1 platinum 199
NT1 platinum 200
NT1 platinum 201
NT1 platinum 202
NT1 platinum 203
NT1 platinum 204
NT1 platinum 205
NT1 platinum 206
NT1 platinum 207
NT1 platinum 208

PLATINUM METAL ALLOYS
INIS: Jul 1986; ETDE: Feb 1975
*BT1 transition element alloys
NT1 iridium alloys
NT2 iridium additions
NT2 iridium base alloys
NT1 osmium alloys
NT2 osmium additions
NT2 osmium base alloys
NT1 palladium alloys
NT2 palau
NT2 palladium base alloys
NT1 platinum alloys
NT2 platinum base alloys
NT1 rhodium alloys
NT2 rhodium additions
NT2 rhodium base alloys
NT1 ruthenium alloys
NT2 ruthenium additions
NT2 ruthenium base alloys

PLATINUM METALS
*BT1 transition elements
NT1 iridium
NT1 osmium
NT1 palladium
NT1 platinum
NT1 rhodium
NT1 ruthenium

PLATINUM OXIDES
*BT1 oxides
*BT1 platinum compounds

PLATINUM PHOSPHIDES
INIS: Sep 1991; ETDE: Mar 1977
*BT1 phosphides
*BT1 platinum compounds

PLATINUM SILICIDES
INIS: Jul 1978; ETDE: Aug 1978
*BT1 platinum compounds
*BT1 silicides

PLATINUM SULFATES
INIS: Apr 2000; ETDE: Jul 1976
*BT1 platinum compounds
*BT1 sulfates

PLATINUM SULFIDES
*BT1 platinum compounds
*BT1 sulfides

PLATINUM TELLURIDES
INIS: Dec 1985; ETDE: Jun 1976
*BT1 platinum compounds
*BT1 tellurides

platr reactor
Use prr reactor

PLATYHELMINTHS
UF *cercaria*
UF *worms (flat)*
*BT1 helminths
*BT1 invertebrates
NT1 cestodes
NT1 trematodes
NT2 fasciola
NT2 schistosoma
NT1 turbellaria
NT2 planaria

PLBR REACTOR
INIS: Jul 1978; ETDE: Aug 1977
(Joint ERDA-EPRI design project.)
UF *prototype large breeder reactor*
*BT1 lmfbr type reactors
*BT1 power reactors

pleasanton usa ntr reactor
Use ntr reactor

PLEIADE DEVICE
*BT1 magnetic mirrors

PLEISTOCENE EPOCH
INIS: Apr 1992; ETDE: Oct 1977
*BT1 quaternary period
RT geologic history
RT glaciers

plesiotherapy
Use radiotherapy

PLEURA
*BT1 serous membranes
RT chest
RT lungs
RT mediastinum

PLEXIGLAS
*BT1 plastics
*BT1 polyacrylates
RT pmma

PLIOCENE EPOCH
INIS: Apr 1992; ETDE: Oct 1977
*BT1 tertiary period
RT geologic history

PLOIDY
NT1 aneuploidy
NT1 diploidy
NT1 haploidy
NT1 polyploidy
RT genome mutations

PLOTTERS
*BT1 computer-graphics devices
RT computer graphics
RT display devices

plows (coal)
Use coal plows

PLOWSHARE PROJECT
(The UF terms below that refer to events have been valid ETDE descriptors.)
UF *chariot event*
UF *hardhat event*
UF *project plowshare*
UF *sloop event*
UF+ *bronco event*
NT1 gasbuggy event
NT1 gnome event
NT1 rio blanco event
NT1 sedan event
RT cratering explosions
RT nuclear excavation
RT nuclear explosions
RT surface explosions
RT underground explosions

PLT DEVICES
INIS: Oct 1975; ETDE: Apr 1979
UF *princeton large torus*
*BT1 tokamak devices

PLUGGING
INIS: Apr 1992; ETDE: Jan 1977
RT cementing
RT grouting
RT oil wells
RT permeability
RT plugging agents
RT reservoir rock

PLUGGING AGENTS
INIS: Apr 1992; ETDE: Mar 1983
RT cements

RT gels
RT oil wells
RT plugging
RT polymers
RT reservoir rock

plugs
Use closures

plum brook nasa-tr
Use pbr reactor

plum brook reactor facility
Use pbr reactor

PLUMBATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 lead compounds
BT1 oxygen compounds
RT lead oxides

PLUMBBOB PROJECT
UF *project plumbbob*
UF+ *boltzmann event*
*BT1 nuclear explosions
RT nuclear weapons

PLUMBING
INIS: Apr 2000; ETDE: Nov 1979
RT pipe fittings
RT pipe joints
RT pipes
RT water faucets
RT water supply

PLUMES
SF *emissions (industrial)*
RT air pollution
RT emissions tax
RT gaseous wastes
RT liquid wastes
RT smokes
RT stack disposal
RT stacks
RT thermal pollution
RT waste heat
RT water pollution

PLUMS
*BT1 fruits
RT rosaceae

plunger method
Use charge plunger method

plunger pumps
Use rod pumps

PLURONICS
*BT1 detergents
*BT1 polyethylene glycols

plus-minus ratio
Use minus-plus ratio

PLUTO PLANET
BT1 planets

PLUTO REACTOR
UF *harwell pluto reactor*
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 materials testing reactors
*BT1 tank type reactors
*BT1 thermal reactors

PLUTONIC ROCKS
INIS: Oct 1985; ETDE: Aug 1980
(Rocks formed at considerable depth by crystallization of magma or by chemical alteration.)
UF *alkali gabbros*
UF *intrusion (rock)*
UF *intrusive rocks*
UF *rock intrusion*
UF *sedimentary intrusive rocks*
SF *intrusion*
*BT1 igneous rocks
NT1 diorites
NT1 gabbros
NT2 anorthosites
NT1 granites
NT2 aplites
NT2 granodiorites
NT2 quartz monzonite
NT1 pegmatites
NT1 peridotites
NT2 kimberlites
NT1 syenites
RT mineralization

PLUTONIUM
UF+ *dymac system*
UF+ *dynamic materials accountability system*
*BT1 actinides
*BT1 transuranium elements
NT1 plutonium-alpha
NT1 plutonium-beta
NT1 plutonium-delta
NT1 plutonium-epsilon
NT1 plutonium-gamma
RT nuclear fuels
RT plutonium recycle

PLUTONIUM 228
INIS: Sep 1992; ETDE: Nov 1979
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 plutonium isotopes

PLUTONIUM 229
INIS: Apr 1994; ETDE: Apr 1994
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 plutonium isotopes
*BT1 seconds living radioisotopes

PLUTONIUM 230
INIS: Dec 1990; ETDE: Nov 1979
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 milliseconds living radioisotopes
*BT1 plutonium isotopes

PLUTONIUM 231
*BT1 actinide nuclei
*BT1 even-odd nuclei
*BT1 plutonium isotopes

PLUTONIUM 232
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
*BT1 plutonium isotopes

PLUTONIUM 233
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 plutonium isotopes

PLUTONIUM 234
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 plutonium isotopes

PLUTONIUM 235
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 internal conversion radioisotopes
*BT1 minutes living radioisotopes
*BT1 plutonium isotopes
*BT1 spontaneous fission radioisotopes

PLUTONIUM 235 TARGET
BT1 targets

PLUTONIUM 236
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 magnesium 28 decay radioisotopes
*BT1 plutonium isotopes
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

PLUTONIUM 236 TARGET
INIS: Nov 1977; ETDE: Nov 1977
BT1 targets

PLUTONIUM 237
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 nanoseconds living radioisotopes
*BT1 plutonium isotopes
*BT1 spontaneous fission radioisotopes

PLUTONIUM 237 TARGET
INIS: Jan 1977; ETDE: Apr 1977
BT1 targets

PLUTONIUM 238
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 plutonium isotopes
*BT1 silicon 32 decay radioisotopes
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

PLUTONIUM 238 TARGET
BT1 targets

PLUTONIUM 239
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 plutonium isotopes
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

PLUTONIUM 239 TARGET
BT1 targets

PLUTONIUM 240
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 plutonium isotopes

*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

PLUTONIUM 240 TARGET
BT1 targets

PLUTONIUM 241
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 plutonium isotopes
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

PLUTONIUM 241 TARGET
BT1 targets

PLUTONIUM 242
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 plutonium isotopes
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

PLUTONIUM 242 TARGET
BT1 targets

PLUTONIUM 243
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 plutonium isotopes
*BT1 spontaneous fission radioisotopes

PLUTONIUM 243 TARGET
INIS: Nov 1977; ETDE: Mar 1978
BT1 targets

PLUTONIUM 244
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 plutonium isotopes
*BT1 spontaneous fission radioisotopes
*BT1 years living radioisotopes

PLUTONIUM 244 TARGET
INIS: Jul 1976; ETDE: Aug 1976
BT1 targets

PLUTONIUM 245
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 plutonium isotopes

PLUTONIUM 246
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 plutonium isotopes

PLUTONIUM 247
INIS: Mar 1985; ETDE: Sep 1983
*BT1 actinide nuclei
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 plutonium isotopes

PLUTONIUM 248
*BT1 actinide nuclei
*BT1 even-even nuclei
*BT1 plutonium isotopes

PLUTONIUM 250
*BT1 actinide nuclei
*BT1 even-even nuclei
*BT1 plutonium isotopes

PLUTONIUM ADDITIONS
(Alloys containing not more than 1% Pu are listed here.)
RT plutonium alloys

PLUTONIUM ALLOYS
(Alloys containing more than 1% Pu.)
*BT1 actinide alloys
NT1 plutonium base alloys
RT plutonium additions

PLUTONIUM-ALPHA
*BT1 plutonium

PLUTONIUM ARSENIDES
INIS: Feb 1979; ETDE: Mar 1979
*BT1 arsenides
*BT1 plutonium compounds

PLUTONIUM BASE ALLOYS
*BT1 plutonium alloys

PLUTONIUM-BETA
*BT1 plutonium

PLUTONIUM BORIDES
*BT1 borides
*BT1 plutonium compounds

plutonium bromides
Use bromides
AND plutonium compounds

PLUTONIUM CARBIDES
*BT1 carbides
*BT1 plutonium compounds
RT mixed carbide fuels

PLUTONIUM CARBONATES
*BT1 carbonates
*BT1 plutonium compounds

PLUTONIUM CHLORIDES
*BT1 chlorides
*BT1 plutonium compounds

PLUTONIUM COMPLEXES
*BT1 actinide complexes
*BT1 transuranium complexes
NT1 plutonyl complexes

PLUTONIUM COMPOUNDS
UF+ *plutonium bromides*
UF+ *plutonium perchlorates*
UF+ *plutonium peroxide*
UF+ *plutonium silicates*
BT1 actinide compounds
BT1 transuranium compounds
NT1 plutonium arsenides
NT1 plutonium borides
NT1 plutonium carbides
NT1 plutonium carbonates
NT1 plutonium chlorides
NT1 plutonium fluorides
NT1 plutonium hydrides
NT1 plutonium hydroxides
NT1 plutonium iodides
NT1 plutonium nitrates
NT1 plutonium nitrides
NT1 plutonium oxides
NT2 plutonium dioxide
NT1 plutonium phosphates
NT1 plutonium phosphides
NT1 plutonium selenides
NT1 plutonium sulfates
NT1 plutonium sulfides
NT1 plutonium tellurides
NT1 plutonyl compounds

PLUTONIUM-DELTA
*BT1 plutonium

PLUTONIUM DIOXIDE
*BT1 plutonium oxides

PLUTONIUM-EPSILON
*BT1 plutonium

PLUTONIUM FLUORIDES
*BT1 fluorides
*BT1 plutonium compounds

PLUTONIUM-GAMMA
*BT1 plutonium

PLUTONIUM HYDRIDES
*BT1 hydrides
*BT1 plutonium compounds

PLUTONIUM HYDROXIDES
*BT1 hydroxides
*BT1 plutonium compounds

PLUTONIUM IODIDES
*BT1 iodides
*BT1 plutonium compounds

PLUTONIUM IONS
*BT1 ions

PLUTONIUM ISOTOPES
BT1 isotopes
NT1 plutonium 228
NT1 plutonium 229
NT1 plutonium 230
NT1 plutonium 231
NT1 plutonium 232
NT1 plutonium 233
NT1 plutonium 234
NT1 plutonium 235
NT1 plutonium 236
NT1 plutonium 237
NT1 plutonium 238
NT1 plutonium 239
NT1 plutonium 240
NT1 plutonium 241
NT1 plutonium 242
NT1 plutonium 243
NT1 plutonium 244
NT1 plutonium 245
NT1 plutonium 246
NT1 plutonium 247
NT1 plutonium 248
NT1 plutonium 250

PLUTONIUM NITRATES
*BT1 nitrates
*BT1 plutonium compounds

PLUTONIUM NITRIDES
*BT1 nitrides
*BT1 plutonium compounds
RT mixed nitride fuels

PLUTONIUM OXIDES
*BT1 oxides
*BT1 plutonium compounds
NT1 plutonium dioxide

plutonium perchlorates
Use perchlorates
AND plutonium compounds

plutonium peroxide
Use peroxides
AND plutonium compounds

PLUTONIUM PHOSPHATES
*BT1 phosphates
*BT1 plutonium compounds

PLUTONIUM PHOSPHIDES
*BT1 phosphides
*BT1 plutonium compounds

PLUTONIUM PRODUCTION REACTORS
*BT1 production reactors
NT1 calder hall a-1 reactor
NT1 calder hall a-2 reactor
NT1 calder hall b-3 reactor
NT1 calder hall b-4 reactor
NT1 chapelcross-1 reactor
NT1 chapelcross-2 reactor
NT1 chapelcross-3 reactor
NT1 chapelcross-4 reactor
NT1 g-1 reactor
NT1 g-2 reactor
NT1 g-3 reactor
NT1 hanford production reactors
NT1 n-reactor
NT1 windscale production reactors

PLUTONIUM REACTORS
BT1 reactors
NT1 clementine reactor
NT1 ebr-1 reactor
NT1 hclwr type reactors
NT1 jatr reactor
NT1 lampre-1 reactor
NT1 masurca reactor
NT1 phenix reactor
NT1 prcf reactor
NT1 rapsodie reactor
NT1 sbr-1 reactor
NT1 sbr-2 reactor
NT1 sbr-5 reactor
NT1 sefor reactor
NT1 stacy reactor
NT1 super phenix reactor
NT1 tracy reactor
NT1 zeep reactor
NT1 zephyr reactor
RT beloyarsk-3 reactor
RT bn-350 reactor
RT clinch river breeder reactor
RT ebr-2 reactor
RT pfr reactor
RT sneak reactor
RT vera reactor
RT zebra reactor
RT zenith reactor

PLUTONIUM RECYCLE
(Use of plutonium from reprocessed spent fuels in reload fuels.)
BT1 fuel cycle
RT civex process
RT fuel cycle centers
RT plutonium

plutonium recycle critical facility
Use prcf reactor

plutonium recycle test reactor
Use prtr reactor

PLUTONIUM SELENIDES
INIS: Feb 1979; ETDE: Mar 1979
*BT1 plutonium compounds
*BT1 selenides

plutonium silicates
Use plutonium compounds
AND silicates

PLUTONIUM SULFATES
*BT1 plutonium compounds
*BT1 sulfates

PLUTONIUM SULFIDES
*BT1 plutonium compounds
*BT1 sulfides

PLUTONIUM TELLURIDES
INIS: Feb 1976; ETDE: Apr 1976
*BT1 plutonium compounds
*BT1 tellurides

PLUTONYL COMPLEXES
INIS: Sep 1983; ETDE: Sep 1983
*BT1 plutonium complexes
RT plutonyl compounds

PLUTONYL COMPOUNDS
*BT1 plutonium compounds
RT plutonyl complexes

plymouth pilgrim power reactor
Use pilgrim-1 reactor

PLZT
INIS: Apr 1984; ETDE: Jul 1983
(Lead lanthanum zirconate titanate.)
*BT1 lanthanum compounds
BT1 lead compounds
*BT1 titanates
*BT1 zirconates

PM-2A REACTOR
UF *camp century medium power plant 2a*
UF *portable medium power plant 2a*
*BT1 process heat reactors
*BT1 pwr type reactors

PM-3A REACTOR
UF *mcmurdo sound medium power plant 3a*
UF *portable medium power plant 3a*
*BT1 pwr type reactors

PMMA
INIS: Feb 1981; ETDE: Mar 1980
UF *polymethylmethacrylates*
*BT1 polyacrylates
RT lucite
RT methacrylic acid esters
RT plexiglas

pmr spectra
Use nmr spectra
AND protons

pna
Use polycyclic aromatic hydrocarbons

PNC
(Power Reactor and Nuclear Fuel Development Corporation)
UF *power reactor nuclear fuel development corporation*
*BT1 japanese organizations

PNEUMATIC CONTROLLERS
*BT1 control equipment

PNEUMATIC MOTORS
INIS: Apr 2000; ETDE: Oct 1980
*BT1 motors

PNEUMATIC TRANSPORT
INIS: Sep 1976; ETDE: Jun 1975
BT1 transport
RT pipelines
RT pneumatics
RT reaction product transport systems

PNEUMATICS
(Pertaining to or operated by air or other gas.)
*BT1 fluid mechanics
RT hydraulics
RT pneumatic transport

PNEUMOCOCCUS
UF *diplococcus pneumoniae*
*BT1 bacteria
RT pneumonia

PNEUMOCONIOSES
UF *black lung disease*
UF *silicosis*
*BT1 respiratory system diseases
NT1 berylliosis
RT dusts
RT lungs
RT occupational diseases

PNEUMONIA
*BT1 respiratory system diseases
NT1 bronchopneumonia
RT lungs
RT pneumococcus

PNEUMONITIS
RT inflammation
RT lungs

PNICTIDES
INIS: Nov 1989; ETDE: Sep 1976
NT1 antimonides
NT2 gallium antimonides
NT2 indium antimonides
NT1 arsenides
NT2 aluminium arsenides
NT2 boron arsenides
NT2 cadmium arsenides
NT2 cerium arsenides
NT2 cobalt arsenides
NT2 copper arsenides
NT2 europium arsenides
NT2 gadolinium arsenides
NT2 gallium arsenides
NT2 germanium arsenides
NT2 hafnium arsenides
NT2 indium arsenides
NT2 iron arsenides
NT2 lithium arsenides
NT2 magnesium arsenides
NT2 manganese arsenides
NT2 molybdenum arsenides
NT2 neptunium arsenides
NT2 nickel arsenides
NT2 niobium arsenides
NT2 palladium arsenides
NT2 platinum arsenides
NT2 plutonium arsenides
NT2 praseodymium arsenides
NT2 ruthenium arsenides
NT2 samarium arsenides
NT2 silicon arsenides
NT2 silver arsenides
NT2 tellurium arsenides
NT2 thorium arsenides
NT2 tin arsenides
NT2 uranium arsenides
NT2 zinc arsenides
NT1 nitrides
NT2 aluminium nitrides
NT2 americium nitrides
NT2 argon nitrides
NT2 barium nitrides
NT2 beryllium nitrides
NT2 boron nitrides
NT2 calcium nitrides
NT2 carbon nitrides
NT2 cerium nitrides
NT2 chromium nitrides
NT2 copper nitrides
NT2 dysprosium nitrides
NT2 erbium nitrides
NT2 europium nitrides
NT2 gadolinium nitrides

NT2 gallium nitrides
NT2 germanium nitrides
NT2 hafnium nitrides
NT2 holmium nitrides
NT2 indium nitrides
NT2 iron nitrides
NT2 lanthanum nitrides
NT2 lithium nitrides
NT2 magnesium nitrides
NT2 manganese nitrides
NT2 molybdenum nitrides
NT2 neodymium nitrides
NT2 neptunium nitrides
NT2 nickel nitrides
NT2 niobium nitrides
NT2 phosphorus nitrides
NT2 plutonium nitrides
NT2 potassium nitrides
NT2 praseodymium nitrides
NT2 radium nitrides
NT2 rhenium nitrides
NT2 ruthenium nitrides
NT2 samarium nitrides
NT2 scandium nitrides
NT2 silicon nitrides
NT2 silver nitrides
NT2 sodium nitrides
NT2 sulfur nitrides
NT2 tantalum nitrides
NT2 terbium nitrides
NT2 thorium nitrides
NT2 thulium nitrides
NT2 tin nitrides
NT2 titanium nitrides
NT2 tungsten nitrides
NT2 uranium nitrides
NT2 vanadium nitrides
NT2 ytterbium nitrides
NT2 yttrium nitrides
NT2 zinc nitrides
NT2 zirconium nitrides
NT1 phosphides
NT2 aluminium phosphides
NT2 boron phosphides
NT2 cadmium phosphides
NT2 cerium phosphides
NT2 cobalt phosphides
NT2 copper phosphides
NT2 dysprosium phosphides
NT2 erbium phosphides
NT2 europium phosphides
NT2 gadolinium phosphides
NT2 gallium phosphides
NT2 germanium phosphides
NT2 hafnium phosphides
NT2 holmium phosphides
NT2 indium phosphides
NT2 iron phosphides
NT2 lanthanum phosphides
NT2 lithium phosphides
NT2 manganese phosphides
NT2 molybdenum phosphides
NT2 neptunium phosphides
NT2 nickel phosphides
NT2 nicrobraz 50
NT2 niobium phosphides
NT2 osmium phosphides
NT2 palladium phosphides
NT2 platinum phosphides
NT2 plutonium phosphides
NT2 potassium phosphides
NT2 praseodymium phosphides
NT2 rhodium phosphides
NT2 ruthenium phosphides
NT2 samarium phosphides
NT2 scandium phosphides
NT2 silicon phosphides
NT2 tantalum phosphides
NT2 terbium phosphides
NT2 thorium phosphides
NT2 tin phosphides
NT2 titanium phosphides
NT2 tungsten phosphides
NT2 uranium phosphides
NT2 vanadium phosphides
NT2 ytterbium phosphides
NT2 yttrium phosphides
NT2 zinc phosphides
NT2 zirconium phosphides

pnl
Use battelle pacific northwest laboratories

pnl-cml reactor
Use cml reactor

pnl-prcf reactor
Use prcf reactor

PNPF REACTOR
UF *organic moderated reactor piqua*
UF *piqua nuclear power facility*
UF *piqua organic moderated reactor*
*BT1 enriched uranium reactors
*BT1 omr type reactors
*BT1 power reactors
*BT1 thermal reactors

PNPP-1 REACTOR
INIS: Jun 1982; ETDE: Jul 1982
UF *bataan philippine power plant*
UF *philippine nuclear power plant-1*
*BT1 pwr type reactors

PO RIVER
INIS: Dec 1975; ETDE: Aug 1976
*BT1 rivers
RT italy

POCKELS CELL
INIS: Apr 2000; ETDE: Feb 1978
(An electronically controllable light modulator or optical switch.)
RT liquid crystals

pocket calculators
Use calculators

pocket chambers
Use condenser ionization chambers

PODBIELNIAK CONTACTORS
*BT1 extraction apparatuses
RT centrifugation
RT solvent extraction

podophyllic acid
Use hydroxy acids

POHANG LIGHT SOURCE
May 2003
*BT1 synchrotron radiation sources
RT accelerator facilities
RT light sources
RT storage rings

POINCARE-BERTRAND FORMULA
INIS: Mar 1992; ETDE: Jan 1975
RT integral calculus
RT transport theory

POINCARE GROUPS
*BT1 lie groups
NT1 lorentz groups
RT lorentz transformations

POINT BEACH-1 REACTOR
(Two Creeks, Wisconsin, USA)
UF *wisconsin point beach-1 reactor*
*BT1 pwr type reactors

POINT BEACH-2 REACTOR
(Two Creeks, Wisconsin, USA)
UF *wisconsin point beach-2 reactor*
*BT1 pwr type reactors

POINT CHARGE
BT1 electric charges

point contacts
Use electric contacts

POINT DEFECTS
*BT1 crystal defects
NT1 interstitials
NT2 i centers
NT1 vacancies
NT2 color centers
NT3 a centers
NT3 e centers
NT3 f centers
NT3 h centers
NT3 i centers
NT3 m centers
NT3 r centers
NT3 s centers
NT3 u centers
NT3 v centers
NT3 x centers
NT3 z centers
NT2 frenkel defects
NT2 schottky defects
RT charge carriers
RT holes

POINT KERNELS
INIS: Nov 1977; ETDE: Mar 1978
BT1 kernels
RT absorption
RT integral equations
RT radiation flux
RT shielding

POINT LEPREAU-1 REACTOR
INIS: Feb 1977; ETDE: Apr 1977
(St. John, New Brunswick, Canada)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

POINT LEPREAU-2 REACTOR
INIS: Aug 1986; ETDE: Sep 1986
(St. John, New Brunswick, Canada.)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

point mutations
Use gene mutations

POINT POLLUTANT SOURCES
INIS: Mar 1992; ETDE: Nov 1977
(Use for general articles when sources are not named.)
BT1 pollution sources
RT air pollution
RT mobile pollutant sources
RT pollution
RT water pollution

POINT SOURCES
BT1 radiation sources

poiseuille flow
Use laminar flow

POISONING
(Reduction of the reactivity by materials produced in a reactor, e.g., xenon, and samarium, or materials such as boron introduced into the reactor.)
UF *xenon effect*

NT1 samarium oscillations
NT1 xenon oscillations
RT burnable poisons
RT fluid poison control
RT nuclear poisons
RT reactivity
RT reactor kinetics

poisons (chemical)
Use hazardous materials

poisons (nuclear)
Use nuclear poisons

POISSON EQUATION
*BT1 partial differential equations
RT laplace equation

POISSON RATIO
BT1 mechanical properties
RT elasticity
RT hooke law
RT strains

pokhran event
Use contained explosions
AND nuclear explosions

POLAND
BT1 developing countries
*BT1 eastern europe
RT oecd

polar blackout
Use polar-cap absorption

POLAR-CAP ABSORPTION
UF *pca*
UF *polar blackout*
*BT1 absorption
RT polar regions
RT radiowave radiation
RT solar particles

POLAR-CAP AURORAE
BT1 aurorae
RT antarctic regions
RT arctic regions
RT auroral oval
RT auroral zones
RT ionosphere

POLAR COMPOUNDS
INIS: Apr 2000; ETDE: Dec 1980
(Compounds that exhibit polarity, or local differences in electrical properties, and have a dipole moment associated with one or more of their interatomic valence bonds.)
RT dipoles
RT electric charges
RT organic compounds

POLAR CUSP
INIS: Dec 1975; ETDE: Mar 1978
RT auroral oval
RT earth magnetosphere
RT electron precipitation
RT ionosphere
RT proton precipitation

POLAR GAS PROJECT
INIS: Apr 2000; ETDE: Nov 1976
RT canada
RT natural gas
RT pipelines

POLAR REGIONS
BT1 cryosphere
NT1 antarctic regions
NT2 antarctica
NT1 arctic regions
RT boreal regions
RT polar-cap absorption

polar solvents
Use solvents

polar substorms
Use magnetic bays

POLARIMETERS
NT1 ellipsometers
RT polarimetry
RT polarization
RT radiation detectors

POLARIMETRY
INIS: Sep 1994; ETDE: Feb 1986
RT chemical analysis
RT polarimeters
RT polarization

polaritons
Use polarons

POLARIZABILITY
(Induced dipole moment to external electric field ratio.)
*BT1 electrical properties
RT electric dipole moments
RT polarization

POLARIZATION
(For the process and condition in classical physics only; see also SPIN ORIENTATION.)
UF+ *pyroelectricity*
RT depolarization
RT electrets
RT faraday effect
RT kerr effect
RT optical activity
RT oriented nuclei
RT overhauser effect
RT polarimeters
RT polarimetry
RT polarizability
RT stokes parameters
RT tagged photon method
RT voigt effect
RT wave forms
RT wave propagation

POLARIZATION-ASYMMETRY RATIO
UF *analyzing power*
RT scattering
RT spin orientation
RT targets

POLARIZED BEAMS
BT1 beams
RT spin orientation

polarized nuclei
Use oriented nuclei

POLARIZED PRODUCTS
(Use only for indexing the products of nuclear reactions or particle interactions.)
RT nuclear reactions
RT particle interactions

POLARIZED TARGETS
BT1 targets
RT spin orientation

POLAROGRAPHY
RT electrolysis
RT quantitative chemical analysis

POLARONS
UF *polaritons*
BT1 quasi particles

policy
See energy policy
OR environmental policy
OR foreign policy
OR government policies

POLIO VIRUS
*BT1 viruses
RT poliomyelitis

POLIOMYELITIS
*BT1 myelitis
*BT1 viral diseases
RT nervous system
RT polio virus

polish government maryla reactor
Use maryla reactor

POLISH ORGANIZATIONS
INIS: Nov 1988; ETDE: Aug 1981
BT1 national organizations
NT1 panstwowa agencja atomistyki

POLISHING
BT1 surface finishing
NT1 chemical polishing
NT1 electropolishing
NT1 mechanical polishing
RT metallography
RT surface cleaning

POLITICAL ASPECTS
INIS: Feb 1982; ETDE: May 1979
(Features of an enterprise or undertaking affected by or affecting political establishments.)
BT1 institutional factors
RT ethical aspects
RT government policies
RT legal aspects
RT public officials
RT public opinion
RT public policy
RT socio-economic factors

POLLEN
*BT1 gametes
RT flowers
RT microspores
RT palynology
RT reproduction

POLLUCITE
INIS: Jun 1983; ETDE: Nov 1982
*BT1 silicate minerals
RT aluminium silicates
RT cesium silicates
RT sodium silicates

POLLUTANTS
INIS: Feb 1981; ETDE: Mar 1981
(Not for radioactive contaminants for which use RADIOACTIVE WASTES or other related terminology.)
RT biological wastes
RT chemical effluents
RT contamination
RT industrial wastes
RT long-range transport
RT municipal wastes
RT pesticides
RT pollution
RT pollution abatement
RT pollution sources

POLLUTION
(For nonradioactive pollution only; for radioactive pollution use CONTAMINATION.)
NT1 air pollution

NT2 indoor air pollution
NT1 land pollution
NT1 noise pollution
NT1 thermal pollution
NT1 transfrontier pollution
NT1 water pollution
RT aesthetics
RT body burden
RT emissions tax
RT emissions trading
RT environment
RT gas spills
RT global aspects
RT hazardous materials spills
RT lcpmpdpw
RT liming
RT long-range transport
RT mobile pollutant sources
RT pesticides
RT point pollutant sources
RT pollutants
RT pollution abatement
RT pollution control equipment
RT pollution regulations
RT stationary pollutant sources
RT wastes

pollution (thermal)

Use thermal pollution

POLLUTION ABATEMENT

INIS: Jun 1983; ETDE: Feb 1978
(For the prevention of pollutants at the source.)
NT1 air pollution abatement
NT1 land pollution abatement
NT1 noise pollution abatement
NT1 water pollution abatement
RT chemical effluents
RT mitigation
RT pollutants
RT pollution
RT pollution control
RT pollution regulations

POLLUTION CONTROL

INIS: Apr 1986; ETDE: Mar 1977
(For management or removal of pollutants after they are formed by a source.)
BT1 control
NT1 air pollution control
NT1 land pollution control
NT1 noise pollution control
NT1 oil pollution containment
NT1 water pollution control
RT liming
RT pollution abatement
RT pollution control equipment
RT pollution regulations
RT us clean coal technology program

POLLUTION CONTROL AGENCIES

INIS: Jan 1993; ETDE: Nov 1976
NT1 us epa
RT enforcement
RT pollution laws
RT pollution regulations

POLLUTION CONTROL EQUIPMENT

INIS: Jun 1976; ETDE: Nov 1975
BT1 equipment
NT1 acoustic agglomerators
NT1 afterburners
NT1 air filters
NT1 baghouses
NT1 catalytic converters
NT1 electrostatic precipitators
NT1 exhaust recirculation systems
NT1 oil retention booms
NT1 pcv systems
NT1 rotating disk removal systems
NT1 scrubbers
NT2 dry scrubbers
NT1 skimmers
NT1 weir oil recovery systems
RT air cleaning
RT air cleaning systems
RT air pollution control
RT catalytic combustors
RT environmental engineering
RT fabric filters
RT fluidized-bed combustors
RT granular bed filters
RT inertial separators
RT noise pollution control
RT off-gas systems
RT pollution
RT pollution control
RT scrubbing
RT stack disposal
RT sulfur meters

POLLUTION LAWS

(Prior to December 1990, this descriptor was spelled POLLUTION LAW.)
BT1 laws
NT1 clean air acts
NT1 clean water acts
NT1 us superfund
RT kyoto protocol
RT pollution control agencies
RT pollution regulations
RT transfrontier pollution

POLLUTION REGULATIONS

(Regulations for nonradioactive pollution only; see also CONTAMINATION REGULATIONS.)
*BT1 regulations
RT clean air acts
RT clean water acts
RT contamination regulations
RT enforcement
RT federal test procedure
RT pollution
RT pollution abatement
RT pollution control
RT pollution control agencies
RT pollution laws
RT transfrontier pollution

POLLUTION SOURCES

INIS: Mar 1992; ETDE: Dec 1979
UF *area pollution sources*
NT1 mobile pollutant sources
NT1 point pollutant sources
NT1 stationary pollutant sources
RT carbon sources
RT pollutants

pollution, prevention of marine, 1972 london convention on

Use lcpmpdpw

poloidal divertor experiment

Use pdx devices

poloidal divertors

Use poloidal field divertors

POLOIDAL FIELD DIVERTORS

INIS: Jul 1981; ETDE: Aug 1981
(Divertors that displace the poloidal field lines to form a separatrix in the poloidal field.)
UF *poloidal divertors*
BT1 divertors
RT pbx devices
RT pdx devices

POLONIUM

*BT1 metals
RT natural radioactivity

POLONIUM 188

Aug 2002
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 microseconds living radioisotopes
BT1 polonium isotopes

POLONIUM 190

INIS: Jun 2000; ETDE: Nov 1999
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
BT1 polonium isotopes

POLONIUM 192

*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
BT1 polonium isotopes

POLONIUM 193

*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
BT1 polonium isotopes

POLONIUM 194

*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
BT1 polonium isotopes

POLONIUM 195

*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
BT1 polonium isotopes
*BT1 seconds living radioisotopes

POLONIUM 196

*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
BT1 polonium isotopes
*BT1 seconds living radioisotopes

POLONIUM 197

*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
BT1 polonium isotopes
*BT1 seconds living radioisotopes

POLONIUM 198

*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
BT1 polonium isotopes

POLONIUM 199

*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei

*BT1 internal conversion radioisotopes
*BT1 minutes living radioisotopes
BT1 polonium isotopes

POLONIUM 200
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
BT1 polonium isotopes

POLONIUM 201
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
BT1 polonium isotopes

POLONIUM 202
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 minutes living radioisotopes
BT1 polonium isotopes

POLONIUM 203
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
BT1 polonium isotopes
*BT1 seconds living radioisotopes

POLONIUM 204
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
BT1 polonium isotopes

POLONIUM 205
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
BT1 polonium isotopes

POLONIUM 206
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
BT1 polonium isotopes

POLONIUM 207
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
BT1 polonium isotopes
*BT1 seconds living radioisotopes

POLONIUM 208
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
BT1 polonium isotopes
*BT1 years living radioisotopes

POLONIUM 208 TARGET
INIS: Mar 1983; ETDE: Mar 1983
BT1 targets

POLONIUM 209
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
BT1 polonium isotopes
*BT1 years living radioisotopes

POLONIUM 210
UF *postum*
UF *radium f*
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 nanoseconds living radioisotopes
BT1 polonium isotopes

POLONIUM 210 TARGET
BT1 targets

POLONIUM 211
UF *actinium c/*
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
BT1 polonium isotopes
*BT1 seconds living radioisotopes

POLONIUM 212
UF *thorium c/*
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 nanoseconds living radioisotopes
BT1 polonium isotopes
*BT1 seconds living radioisotopes

POLONIUM 213
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 microseconds living radioisotopes
BT1 polonium isotopes

POLONIUM 214
UF *radium c/*
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 microseconds living radioisotopes
BT1 polonium isotopes

POLONIUM 215
UF *actinium a*
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
BT1 polonium isotopes

POLONIUM 216
UF *thorium a*
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
BT1 polonium isotopes

POLONIUM 217
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
BT1 polonium isotopes
*BT1 seconds living radioisotopes

POLONIUM 218
UF *radium a*
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
BT1 polonium isotopes

POLONIUM 219
*BT1 even-odd nuclei
BT1 polonium isotopes

POLONIUM 220
*BT1 even-even nuclei
BT1 polonium isotopes

polonium additions
Use polonium alloys

POLONIUM ALLOYS
(Alloys containing more than 1% Po.)
UF *polonium additions*
BT1 alloys

POLONIUM BROMIDES
*BT1 bromides
BT1 polonium compounds

polonium chlorides
Use chlorides
AND polonium compounds

POLONIUM COMPLEXES
BT1 complexes

POLONIUM COMPOUNDS
UF+ *polonium chlorides*
UF+ *polonium fluorides*
UF+ *polonium iodides*
UF+ *polonium nitrates*
NT1 polonium bromides
NT1 polonium oxides

polonium fluorides
Use fluorides
AND polonium compounds

polonium iodides
Use iodides
AND polonium compounds

POLONIUM IONS
*BT1 ions

POLONIUM ISOTOPES
NT1 polonium 188
NT1 polonium 190
NT1 polonium 192
NT1 polonium 193
NT1 polonium 194
NT1 polonium 195
NT1 polonium 196
NT1 polonium 197
NT1 polonium 198
NT1 polonium 199

NT1 polonium 200
NT1 polonium 201
NT1 polonium 202
NT1 polonium 203
NT1 polonium 204
NT1 polonium 205
NT1 polonium 206
NT1 polonium 207
NT1 polonium 208
NT1 polonium 209
NT1 polonium 210
NT1 polonium 211
NT1 polonium 212
NT1 polonium 213
NT1 polonium 214
NT1 polonium 215
NT1 polonium 216
NT1 polonium 217
NT1 polonium 218
NT1 polonium 219
NT1 polonium 220

polonium nitrates
Use nitrates
AND polonium compounds

POLONIUM OXIDES
*BT1 oxides
BT1 polonium compounds

poly(isobutylene oxide)
Use epoxides
AND organic polymers

poly(vinylidene fluoride)
Use fluorinated aliphatic hydrocarbons
AND polyvinyls

POLYACETALS
*BT1 organic polymers
NT1 formvar
NT1 polyoxymethylenes
RT acetals
RT cellulose
RT chitin
RT inulin
RT lignin
RT starch

POLYACETYLENES
INIS: Jul 1994; ETDE: Jul 1981
*BT1 organic polymers
*BT1 polyenes
RT acetylene
RT electrolytes

POLYACRYLATES
UF *acrylic polymers*
*BT1 esters
*BT1 polyvinyls
NT1 lucite
NT1 perspex
NT1 plexiglas
NT1 pmma
RT methacrylic acid

polyacrylonitrile
Use nitriles
AND organic polymers

POLYAMIDES
UF *dow pusher 700*
*BT1 organic polymers
NT1 nylon
NT1 polyurethanes
NT2 halthane
RT albumins
RT amides
RT proteins

polyatomic molecules
Use molecules

POLYCARBONATES
*BT1 carbonates
*BT1 organic polymers

POLYCHLORINATED BIPHENYLS
INIS: Sep 1992; ETDE: Oct 1992
UF *pcb*
UF *pcb (polychlorinated biphenyl)*
*BT1 chlorinated aromatic hydrocarbons
RT toxic materials

POLYCRYSTALS
BT1 crystals
NT1 bicrystals

POLYCYCLIC AROMATIC AMINES
INIS: Sep 1994; ETDE: Nov 1983
*BT1 amines
RT acetylaminofluorenes
RT aniline
RT polycyclic aromatic hydrocarbons

POLYCYCLIC AROMATIC HYDROCARBONS
INIS: Mar 1992; ETDE: Aug 1976
UF *pah*
UF *pna*
UF *polynuclear aromatic hydrocarbons*
*BT1 aromatics
*BT1 hydrocarbons
NT1 3-methylcholanthrene
RT azaarenes
RT carcinogens
RT mutagens
RT polycyclic aromatic amines
RT polycyclic nitro compounds
RT polycyclic sulfur heterocycles

POLYCYCLIC NITRO COMPOUNDS
INIS: Apr 2000; ETDE: Nov 1983
*BT1 nitro compounds
RT polycyclic aromatic hydrocarbons

polycyclic nitrogen heterocycles
Use azaarenes

POLYCYCLIC SULFUR HETEROCYCLES
INIS: Jan 1985; ETDE: Nov 1983
UF *thiophenes*
*BT1 heterocyclic compounds
*BT1 organic sulfur compounds
RT polycyclic aromatic hydrocarbons
RT thionaphthenes
RT thiophene

POLYCYTHEMIA
*BT1 hemic diseases
RT bone marrow
RT myeloid leukemia

POLYENES
*BT1 hydrocarbons
NT1 dienes
NT2 allene
NT2 butadiene
NT2 cyclopentadiene
NT2 ferrocene
NT2 isoprene
NT2 pentadienes
NT1 polyacetylenes
NT1 squalene
RT alkenes

POLYESTERS
UF *polyethylene terephthalate*
UF+ *laminac*
*BT1 esters
*BT1 organic polymers
NT1 dacron
NT1 homalite
NT1 mylar

polyethers
Use polyethylene glycols

POLYETHYLENE GLYCOLS
UF *polyethers*
UF *polyethylene oxides*
*BT1 glycols
*BT1 organic polymers
NT1 carbowax
NT1 pluronics
RT ethers

polyethylene oxides
Use polyethylene glycols

polyethylene terephthalate
Use polyesters

POLYETHYLENES
UF *ethylene polymers*
UF *marlex*
UF *polythene*
*BT1 polyolefins
NT1 kel-f
NT1 polytetrafluoroethylene
NT2 teflon
RT glazing materials

POLYHALITE
INIS: Oct 1982; ETDE: Dec 1981
*BT1 sulfate minerals
RT calcium sulfates
RT magnesium sulfates
RT potassium sulfates

polyhydroxyaromatics
Use polyphenols

POLYISOPRENE
*BT1 elastomers
*BT1 organic polymers
RT isoprene

polymer electrolyte fuel cells
Use proton exchange membrane fuel cells

polymer flooding
See microemulsion flooding
OR waterflooding

polymer-insulator-semiconductor solar cells
Use pis solar cells

polymer-semiconductor solar cells
Use ps solar cells

POLYMERASE CHAIN REACTION
(A biochemical (in vitro) method to prepare a large number of copies of a selected gene or of some other DNA segment. Such quantities of gene copy are required to supply the starting material needs for sequencing, for other chemical analysis, or for genetic or protein engineering.)
UF *pcr*
BT1 gene amplification
RT biotechnology
RT dna-cloning
RT gene mutations
RT genetic engineering
RT protein engineering

POLYMERASES
*BT1 nucleotidyltransferases
NT1 dna polymerases
NT1 rna polymerases

POLYMERIZATION
UF+ *radiation hardening (chemical)*
UF+ *radiopolymerization*
BT1 chemical reactions
NT1 copolymerization
NT1 cross-linking
NT1 dimerization
NT1 telomerization
RT curing
RT depolymerization
RT molecular weight
RT monomers

POLYMERS
NT1 elastomers
NT2 ethylene propylene diene polymers
NT2 neoprene
NT2 polyisoprene
NT2 rubbers
NT3 buna
NT3 latex
NT3 natural rubber
NT3 silastic
NT3 viton
NT1 hydrophylic polymers
NT1 inorganic polymers
NT1 organic polymers
NT2 araldite
NT2 copolymers
NT2 graft polymers
NT2 neoprene
NT2 plastic foams
NT2 plastics
NT3 aramids
NT3 bakelite
NT3 formvar
NT3 lucite
NT3 mylar
NT3 nylon
NT3 perspex
NT3 plexiglas
NT3 polystyrene
NT3 polyurethanes
NT4 halthane
NT3 reinforced plastics
NT3 tedlar
NT3 teflon
NT3 thermoplastics
NT2 polyacetals
NT3 formvar
NT3 polyoxymethylenes
NT2 polyacetylenes
NT2 polyamides
NT3 nylon
NT3 polyurethanes
NT4 halthane
NT2 polycarbonates
NT2 polyesters
NT3 dacron
NT3 homalite
NT3 mylar
NT2 polyethylene glycols
NT3 carbowax
NT3 pluronics
NT2 polyisoprene
NT2 polyolefins
NT3 polyethylenes
NT4 kel-f
NT4 polytetrafluoroethylene
NT5 teflon
NT3 polypropylene
NT3 polystyrene
NT3 polystyrene-dvb
NT2 polyvinyls
NT3 polyacrylates
NT4 lucite
NT4 perspex
NT4 plexiglas
NT4 pmma
NT3 polystyrene
NT3 pva
NT3 pvc
NT3 pvp
NT3 tedlar
NT2 resins
NT2 rubbers
NT3 buna
NT3 latex
NT3 natural rubber
NT3 silastic
NT3 viton
NT2 textolite
NT1 silicones
NT2 silastic
RT colorimetric dosemeters
RT dielectric track detectors
RT dimers
RT monomers
RT plugging agents
RT urea-formaldehyde foams

POLYMETALLIC ORES
BT1 ores

polymethylmethacrylates
Use pmma

POLYNEUTRONS
INIS: Aug 1978; ETDE: Mar 1977
(Particle-stable many-body system composed of neutrons.)
*BT1 neutrons
NT1 dineutrons
NT1 tetraneutrons
NT1 trineutrons

POLYNOMIALS
UF *tschebyscheff approximation*
BT1 functions
NT1 hermite polynomials
NT1 laguerre polynomials
NT1 legendre polynomials
RT mathematics
RT newton method
RT spline functions

polynuclear aromatic hydrocarbons
Use polycyclic aromatic hydrocarbons

polynuclear hydrocarbons
Use condensed aromatics

POLYOLEFINS
*BT1 organic polymers
NT1 polyethylenes
NT2 kel-f
NT2 polytetrafluoroethylene
NT3 teflon
NT1 polypropylene
NT1 polystyrene
NT1 polystyrene-dvb

POLYOMA VIRUS
*BT1 oncogenic viruses

POLYOXYMETHYLENES
*BT1 polyacetals
RT formaldehyde

POLYPEPTIDES
*BT1 peptides
NT1 calcitonin
NT1 endorphins
NT2 enkephalins
NT1 endothelins
NT1 gastrin
NT1 glucagon
NT1 glutathione
NT1 kinins
NT2 bradykinin
NT1 leptin
RT somatostatin

POLYPHENOLS
UF *dihydroxyaromatics*
UF *polyhydroxyaromatics*
UF *trihydroxyaromatics*
UF+ *aurin*
*BT1 phenols
NT1 arsenazo
NT1 bromosulfophthalein
NT1 catecholamines
NT1 curcumin
NT1 dopamine
NT1 fluorescein
NT2 erythrosine
NT1 hematoxylin
NT1 morin
NT1 pyridylazoresorcinol
NT1 pyrocatechol
NT1 pyrogallol
NT1 quercetin
NT1 resorcinol
NT1 stilbestrol
NT1 tannic acid
NT1 tiron

POLYPHENYLS
UF+ *santowax*
*BT1 aromatics
*BT1 hydrocarbons
NT1 terphenyls
NT2 terphenyl-ortho
NT2 terphenyl-para
RT organic coolants
RT organic moderators
RT organic polymers

POLYPLOIDY
UF *tetraploidy*
BT1 ploidy
RT colchicine
RT genome mutations

POLYPORUS VERSICOLOR
INIS: Apr 2000; ETDE: Apr 1987
*BT1 fungi

POLYPROPYLENE
*BT1 polyolefins
RT propylene

polysaccharide-lyases
Use carbon-oxygen lyases

POLYSACCHARIDES
*BT1 saccharides
NT1 agar
NT1 alginic acid
NT1 cellophane
NT1 cellulose
NT1 dextran
NT1 dextrin
NT1 glycogen
NT1 gum acacia
NT1 hemicellulose
NT2 xylans
NT1 inulin
NT1 lignin
NT1 lipopolysaccharides
NT1 mucopolysaccharides
NT2 chitin
NT2 chondroitin
NT2 heparin
NT2 hyaluronic acid

NT1 mucoproteins
NT2 haptoglobins
NT2 intrinsic factor
NT2 phytohemagglutinin
NT1 nitrocellulose
NT1 pectins
NT1 rayon
NT1 starch
NT1 viscose
NT1 xanthan gum
RT endotoxins
RT lysozyme
RT pyrogens
RT zymosan

POLYSTYRENE
UF *styrene polymers*
*BT1 plastics
*BT1 polyolefins
*BT1 polyvinyls
RT styrene

POLYSTYRENE-DVB
UF *styrene-divinylbenzene copolymer*
*BT1 organic ion exchangers
*BT1 polyolefins

polysulfides
Use sulfides

POLYTETRAFLUOROETHYLENE
INIS: Apr 2000; ETDE: May 1978
UF *ptfe*
*BT1 fluorinated aliphatic hydrocarbons
*BT1 polyethylenes
NT1 teflon

polytetraoxane
Use heterocyclic oxygen compounds
AND organic polymers

polythene
Use polyethylenes

polythionates
Use oxygen compounds
AND sulfur compounds

polythionic acids
Use inorganic acids
AND oxygen compounds
AND sulfur compounds

POLYURETHANES
*BT1 plastics
*BT1 polyamides
NT1 halthane
RT urethane

polyvinyl alcohol
Use pva

polyvinyl chloride
Use pvc

polyvinylpyrrolidone
Use pvp

POLYVINYLS
UF *vinoflex*
UF *vinyl acetate*
UF+ *poly(vinylidene fluoride)*
*BT1 organic polymers
NT1 polyacrylates
NT2 lucite
NT2 perspex
NT2 plexiglas
NT2 pmma
NT1 polystyrene
NT1 pva
NT1 pvc
NT1 pvp
NT1 tedlar
RT glazing materials

POMERANCHUK PARTICLES
UF *pomerons*
*BT1 mesons
*BT1 postulated particles
RT morrison rule
RT regge poles

POMERANCHUK POLES
RT regge poles

POMERANCHUK THEOREM
RT antiparticle beams
RT interactions
RT particle beams
RT total cross sections

pomerons
Use pomeranchuk particles

ponderomotive effect
Use ponderomotive force

PONDEROMOTIVE FORCE
INIS: Apr 1989; ETDE: May 1989
UF *ponderomotive effect*
RT charged particles
RT coulomb field
RT electromagnetic fields
RT lorentz force

PONDS
INIS: Apr 1992; ETDE: Feb 1975
UF *pools*
BT1 surface waters
NT1 cooling ponds
NT1 settling ponds
NT1 solar ponds
NT2 roof ponds
RT lakes

ponds (cooling)
Use cooling ponds

POOL BOILING
*BT1 boiling

pool critical assembly ornl
Use ornl-pca reactor

pool event
Use anvil project

pool test reactor chalk river
Use ptr reactor

POOL TYPE REACTORS
UF *swimming pool reactors*
*BT1 water cooled reactors
*BT1 water moderated reactors
NT1 agata reactor
NT1 apsara reactor
NT1 armf-1 reactor
NT1 astra reactor
NT1 atrc reactor
NT1 avogadro rs-1 reactor
NT1 barn reactor
NT1 bawtr reactor
NT1 ber-2 reactor
NT1 brr reactor
NT1 bsr-1 reactor
NT1 bsr-2 reactor
NT1 cabri reactor
NT1 consort-2 reactor
NT1 cp-6 reactor
NT1 crocus reactor
NT1 democritus reactor
NT1 dr-2 reactor
NT1 etrc reactor
NT1 etrr-2 reactor
NT1 fmrb reactor
NT1 fnr reactor
NT1 frg-1 reactor
NT1 frg-2 reactor
NT1 frj-1 reactor
NT1 frm reactor
NT1 frn reactor
NT1 ga siwabessy reactor
NT1 gtr reactor
NT1 gulf triga-mk-3 reactor
NT1 hanaro reactor
NT1 herald reactor
NT1 hor reactor
NT1 horace reactor
NT1 htr reactor
NT1 ian-r1 reactor
NT1 iear-1 reactor
NT1 irl reactor
NT1 irr-1 reactor
NT1 irt reactor
NT1 irt-2000 djakarta reactor
NT1 irt-2000 moscow reactor
NT1 irt-c reactor
NT1 irt-f reactor
NT1 irt-sofia reactor
NT1 isis reactor
NT1 ivv-7 reactor
NT1 jen reactor
NT1 jen-1 reactor
NT1 jen-2 reactor
NT1 jrr-3m reactor
NT1 jrr-4 reactor
NT1 kur reactor
NT1 la reina rech-1 reactor
NT1 lido reactor
NT1 lo aguirre rech-2 reactor
NT1 lpr reactor
NT1 lptr reactor
NT1 lr-0 reactor
NT1 ltir reactor
NT1 maria reactor
NT1 maryla reactor
NT1 melusine-1 reactor
NT1 merlin reactor
NT1 minerve reactor
NT1 mnr reactor
NT1 nscr reactor
NT1 osur reactor
NT1 parr reactor
NT1 phebus reactor
NT1 pik physical model reactor
NT1 pik reactor
NT1 prpr reactor
NT1 prr-1 reactor
NT1 pstr reactor
NT1 ptr reactor
NT1 pulstar-buffalo reactor
NT1 pulstar-raleigh reactor
NT1 r2-0 reactor
NT1 ra-6 reactor
NT1 ra-8 reactor
NT1 rana reactor
NT1 rinsc reactor
NT1 ritmo reactor
NT1 rp-10 reactor
NT1 rts-1 reactor
NT1 rv-1 reactor
NT1 saphir reactor
NT1 scarabee reactor
NT1 siloe reactor
NT1 siloette reactor
NT1 slowpoke type reactors
NT2 slowpoke-alberta reactor
NT2 slowpoke-dalhousie reactor
NT2 slowpoke-montreal reactor
NT2 slowpoke-ottawa reactor
NT2 slowpoke-toronto reactor
NT2 slowpoke-wnre reactor
NT1 spert-4 reactor

NT1 stek reactor
NT1 stir reactor
NT1 swierk r-2 reactor
NT1 thetis reactor
NT1 thor reactor
NT1 toshiba reactor
NT1 tr-1 reactor
NT1 tr-2 reactor
NT1 triton reactor
NT1 trr-1 reactor
NT1 tz1 reactor
NT1 tz2 reactor
NT1 uknr reactor
NT1 umne-1 reactor
NT1 umrr reactor
NT1 utrr reactor
NT1 uvar reactor
NT1 uwnr reactor
NT1 vr-1 reactor
NT1 wpir reactor
NT1 wsur reactor
NT1 xapr reactor

pools
Use ponds

pools (fuel storage)
Use fuel storage pools

poor people
Use low income groups

POP
UF *hydroxypropiophenone*
*BT1 ketones
*BT1 phenols

popae
Use popae storage ring

POPAE STORAGE RING
INIS: Feb 1976; ETDE: Mar 1976
(Protons On Protons And Electrons storage ring facility at Fermilab.)
UF *popae*
BT1 storage rings
RT fermilab accelerator

POPLARS
*BT1 magnoliopsida
*BT1 trees
NT1 aspens
NT1 cottonwoods

POPOP
UF *bis(phenyloxazolyl)benzene*
*BT1 oxazoles

POPULATION DENSITY
UF *density (population)*
RT population dynamics
RT populations

POPULATION DYNAMICS
RT competition
RT ecological succession
RT ecosystems
RT equilibrium
RT growth
RT human populations
RT migration
RT population density
RT population relocation
RT populations
RT predator-prey interactions
RT reproduction

POPULATION INVERSION
RT energy levels

POPULATION RELOCATION
INIS: Jul 1981; ETDE: Apr 1978
RT accidents
RT civil defense
RT evacuation
RT external zones
RT human populations
RT population dynamics
RT populations

POPULATIONS
UF *colonies*
UF+ *caste (insects)*
NT1 human populations
NT2 a-bomb survivors
NT2 eskimos
NT2 minority groups
NT3 american indians
NT3 black americans
NT3 elderly people
NT3 handicapped people
NT3 high income groups
NT3 hispanic americans
NT3 lapps
NT3 low income groups
NT3 oriental americans
NT2 rural populations
NT2 urban populations
RT adults
RT age groups
RT biological extinction
RT biosphere
RT ecosystems
RT genetically significant dose
RT population density
RT population dynamics
RT population relocation
RT species diversity

PORCELAIN
RT ceramics

PORE PRESSURE
INIS: Jul 1992; ETDE: Apr 1983
(That part of the total normal stress in a saturated soil caused by the presence of interstitial fluid.)
RT hydrostatics
RT interstitial water
RT piezometry
RT sediments
RT stresses

PORE STRUCTURE
INIS: Nov 1998; ETDE: Aug 1993
BT1 microstructure
RT porosity

PORINS
INIS: Apr 2000; ETDE: Jul 1987
(Transmembrane proteins which selectively permit small molecules to traverse the cell membranes.)
*BT1 membrane proteins
RT membrane transport

pork
Use meat

POROSIMETERS
BT1 measuring instruments

POROSITY
UF+ *collector properties*
UF+ *collector properties (rocks)*
RT ceramography
RT defects
RT formation damage
RT leaks
RT permeability
RT pore structure
RT porous materials
RT sintering

porosity reduction
Use formation damage

POROUS MATERIALS
INIS: Jul 1977; ETDE: Sep 1976
UF *materials (porous)*
BT1 materials
RT porosity

PORPHYRA
*BT1 rhodophycota

PORPHYRINS
UF *etioporphyrins*
*BT1 heterocyclic acids
*BT1 organic nitrogen compounds
NT1 chlorins
NT1 chlorophyll
NT1 hematoporphyrins
NT1 heme
NT1 hemoglobin
NT2 methemoglobin
NT1 hemosiderin
NT1 myoglobin
NT1 protoporphyrins
RT peroxidases
RT pigments

porpoises
Use cetaceans

port radium
Use northwest territories

PORTABLE EQUIPMENT
INIS: Jun 1983; ETDE: Jul 1983
(To be used only if portability is unusual or is the significant aspect of the equipment.)
BT1 equipment
RT laboratory equipment
RT portable sources

portable medium power plant 2a
Use pm-2a reactor

portable medium power plant 3a
Use pm-3a reactor

PORTABLE SOURCES
BT1 radiation sources
RT portable equipment

PORTAL SYSTEM
*BT1 veins
RT intestinal absorption
RT intestines
RT liver

PORTER-THOMAS DISTRIBUTION
RT compound nuclei
RT level widths

portevin-le chatelier effect
Use deformation

PORTLAND CEMENT
INIS: May 1992; ETDE: Jun 1975
*BT1 cements
RT cement industry
RT lime-soda sinter process
RT spent shales

portmanteau event
Use nuclear explosions
AND underground explosions

ports
Use harbors

PORTSMOUTH CENTRIFUGE ENRICHMENT PLANT
INIS: Aug 1982; ETDE: May 1981
(Portsmouth centrifuge enrichment plant.)
UF *gcep*
SF *portsmouth plant*
*BT1 centrifuge enrichment plants
*BT1 us doe
RT enriched uranium
RT isotope separation
RT ohio

PORTSMOUTH GASEOUS DIFFUSION PLANT
INIS: Oct 1975; ETDE: Dec 1975
SF *portsmouth plant*
*BT1 gaseous diffusion plants
*BT1 us doe
*BT1 us erda
RT ohio

portsmouth plant
See portsmouth centrifuge enrichment plant
OR portsmouth gaseous diffusion plant

PORTUGAL
BT1 developing countries
*BT1 western europe
NT1 azores islands
RT oecd

portuguese jen research reactor
Use jen reactor

position (optical)
Use coordinates

position (radio)
Use coordinates

position dependence
Use space dependence

position indicators
Use displacement gages

POSITION OPERATORS
*BT1 quantum operators
RT coordinates

POSITION SENSITIVE DETECTORS
*BT1 radiation detectors
RT counting techniques
RT superconducting colloid detectors

POSITIONING
INIS: Dec 1982; ETDE: Mar 1977
(Not for SITE SELECTION.)
UF *emplacement*
RT alignment
RT fuel elements
RT in core instruments
RT offshore platforms
RT pipelines
RT ships
RT stowage
RT targets
RT thrusters

POSITIVE COLUMN
RT electric discharges

positive crankcase ventilation systems
Use pcv systems

positive excess
See cosmic radiation
OR electric charges

positive ions
Use cations

POSITRON-ATOM COLLISIONS
*BT1 atom collisions
*BT1 positron collisions

POSITRON BEAMS
UF *beta beams (positrons)*
*BT1 lepton beams
RT positrons

POSITRON CAMERAS
(Coincidence gamma cameras for positron annihilation imaging.)
*BT1 gamma cameras
RT coincidence methods
RT emission computed tomography
RT nuclear medicine
RT positron computed tomography
RT positron detection
RT radioisotope scanners

POSITRON CHANNELING
BT1 channeling

POSITRON COLLISIONS
BT1 collisions
NT1 electron-positron collisions
NT1 photon-positron collisions
NT1 positron-atom collisions
NT1 positron-ion collisions
NT1 positron-molecule collisions
NT1 positron-positron collisions

POSITRON COMPUTED TOMOGRAPHY
INIS: Apr 1980; ETDE: May 1980
UF *pet scanning*
UF *pett*
*BT1 emission computed tomography
RT positron cameras
RT radioisotope scanning

positron decay
Use beta-plus decay

POSITRON DETECTION
INIS: Sep 1975; ETDE: Apr 1979
(Prior to April 1986 this concept was expressed by co-ordination of ELECTRON DETECTION and POSITRONS.)
*BT1 charged particle detection
RT beta detection
RT electron detection
RT positron cameras

positron-electron-proton storage ring
Use pep storage rings

POSITRON-ION COLLISIONS
*BT1 ion collisions
*BT1 positron collisions

POSITRON-MOLECULE COLLISIONS
*BT1 molecule collisions
*BT1 positron collisions

POSITRON-POSITRON COLLISIONS
*BT1 positron collisions

POSITRON-POSITRON INTERACTIONS
INIS: May 1986; ETDE: May 1980
*BT1 lepton-lepton interactions

POSITRON REACTIONS
INIS: Sep 1977; ETDE: Nov 1977
*BT1 lepton reactions

POSITRON SOURCES
INIS: Sep 1975; ETDE: Oct 1975
*BT1 particle sources
RT positrons

POSITRONIUM
(From December 1975 till May 1996 POSITRONIUM CHEMISTRY was a valid ETDE descriptor.)
SF *positronium chemistry*
RT atoms
RT electrons
RT muonium
RT positronium compounds
RT positrons
RT protonium

positronium chemistry
See positronium
OR positronium compounds

POSITRONIUM COMPOUNDS
INIS: Sep 1985; ETDE: May 1977
(Atom-positronium systems of the type (X;Ps) or (X-;e+).)
SF *positronium chemistry*
RT positronium

POSITRONS
*BT1 antileptons
NT1 cosmic positrons
RT beta particles
RT electron pairs
RT electrons
RT positron beams
RT positron sources
RT positronium

possession (nuclear materials)
Use nuclear materials possession

POST-IRRADIATION EXAMINATION
INIS: Apr 1981; ETDE: Apr 1981
RT ceramography
RT chemical analysis
RT destructive testing
RT electron microprobe analysis
RT fuel elements
RT inspection
RT performance testing
RT spectroscopy

POST-IRRADIATION THERAPY
*BT1 therapy
RT biological recovery
RT blood substitutes

POST-TRANSLATION MODIFICATION
INIS: Jul 1991; ETDE: Apr 1987
(Chemical modification of proteins after translation of the messenger RNA but prior to their becoming biologically active.)
*BT1 biosynthesis
RT cell constituents
RT glucoproteins
RT glycoproteins
RT golgi complexes
RT messenger-rna
RT phosphoproteins

RT protein structure
RT proteins
RT proteolysis
RT transcription

POSTAL SERVICES
INIS: Apr 2000; ETDE: Aug 1980
RT delivery
RT vehicles

POSTULATED PARTICLES
BT1 elementary particles
NT1 dyons
NT1 gluons
NT1 goldstone bosons
NT2 axions
NT1 grace particles
NT1 gravitons
NT1 heavy neutral muons
NT1 higgs bosons
NT1 magnetic monopoles
NT1 partons
NT1 pomeranchuk particles
NT1 preons
NT1 sparticles
NT1 spurions
NT1 tachyons
NT1 taste particles
NT1 top particles
NT2 t quarks
NT1 urbaryons

postum
Use polonium 210

potable water
Use drinking water

POTASSIUM
*BT1 alkali metals

POTASSIUM 35
INIS: Jul 1976; ETDE: Feb 1975
*BT1 beta-plus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 potassium isotopes

POTASSIUM 36
*BT1 beta-plus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 potassium isotopes

POTASSIUM 37
*BT1 beta-plus decay radioisotopes
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 potassium isotopes
*BT1 seconds living radioisotopes

POTASSIUM 38
*BT1 beta-plus decay radioisotopes
*BT1 light nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 potassium isotopes
*BT1 seconds living radioisotopes

POTASSIUM 39
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 potassium isotopes
*BT1 stable isotopes

POTASSIUM 39 BEAMS
INIS: Jul 1976; ETDE: Sep 1976
*BT1 ion beams

POTASSIUM 39 REACTIONS
INIS: Sep 1991; ETDE: Aug 1994
*BT1 heavy ion reactions

POTASSIUM 39 TARGET
BT1 targets

POTASSIUM 40
*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 isomeric transition isotopes
*BT1 light nuclei
*BT1 nanoseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 potassium isotopes
*BT1 years living radioisotopes
RT natural radioactivity

POTASSIUM 40 TARGET
BT1 targets

POTASSIUM 41
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 potassium isotopes
*BT1 stable isotopes
RT potassium 41 beams

POTASSIUM 41 BEAMS
INIS: Jul 1976; ETDE: Aug 1976
*BT1 ion beams
RT potassium 41

POTASSIUM 41 TARGET
BT1 targets

POTASSIUM 42
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 potassium isotopes

POTASSIUM 43
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 potassium isotopes

POTASSIUM 44
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 potassium isotopes

POTASSIUM 45
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 potassium isotopes

POTASSIUM 46
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 potassium isotopes

POTASSIUM 47
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 potassium isotopes
*BT1 seconds living radioisotopes

POTASSIUM 48
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 potassium isotopes
*BT1 seconds living radioisotopes

POTASSIUM 49
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 potassium isotopes
*BT1 seconds living radioisotopes

POTASSIUM 50
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 potassium isotopes

POTASSIUM 51
INIS: Jun 1984; ETDE: Jan 1981
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 potassium isotopes

POTASSIUM 52
INIS: Jun 1984; ETDE: May 1982
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 potassium isotopes

POTASSIUM 53
INIS: Jun 1984; ETDE: Feb 1984
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 potassium isotopes

POTASSIUM 54
INIS: Jun 1984; ETDE: Feb 1984
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 potassium isotopes

POTASSIUM ADDITIONS
(Alloys containing not more than 1% K are listed here.)
RT potassium alloys

POTASSIUM ALLOYS
(Alloys containing more than 1% K.)
UF+ *nak*
BT1 alloys
NT1 potassium base alloys
RT potassium additions

POTASSIUM BASE ALLOYS
*BT1 potassium alloys

POTASSIUM BORIDES
*BT1 borides
*BT1 potassium compounds

POTASSIUM BROMIDES
*BT1 bromides
*BT1 potassium compounds

POTASSIUM CARBIDES
*BT1 carbides
*BT1 potassium compounds

POTASSIUM CARBONATES
*BT1 carbonates
*BT1 potassium compounds

POTASSIUM CHLORIDES
*BT1 chlorides
*BT1 potassium compounds
RT carnallite
RT halide minerals

POTASSIUM COMPLEXES
*BT1 alkali metal complexes

POTASSIUM COMPOUNDS
UF+ *potassium permanganates*
UF+ *potassium silicides*
UF+ *prussian blue*
BT1 alkali metal compounds
NT1 potassium borides
NT1 potassium bromides
NT1 potassium carbides
NT1 potassium carbonates
NT1 potassium chlorides
NT1 potassium fluorides
NT1 potassium hydrides
NT1 potassium hydroxides
NT1 potassium iodides
NT1 potassium nitrates
NT1 potassium nitrides
NT1 potassium oxides
NT1 potassium perchlorates
NT1 potassium phosphates
NT1 potassium phosphides
NT1 potassium selenides
NT1 potassium silicates
NT1 potassium sulfates
NT1 potassium sulfides
NT1 potassium tellurides
NT1 potassium tungstates
NT1 potassium uranates
NT1 potassium vanadates
NT1 rochelle salt

POTASSIUM COOLED REACTORS
*BT1 liquid metal cooled reactors
NT1 ebr-1 reactor
NT1 ser reactor
NT1 snap 10 reactor
NT2 s10fs-1 reactor
NT2 s10fs-3 reactor
NT2 s10fs-4 reactor
NT1 snap-tsf reactor
NT1 snaptran reactors
RT nak cooled reactors

POTASSIUM FLUORIDES
*BT1 fluorides
*BT1 potassium compounds

POTASSIUM HYDRIDES
*BT1 hydrides
*BT1 potassium compounds

POTASSIUM HYDROXIDES
*BT1 hydroxides
*BT1 potassium compounds

POTASSIUM IODIDES
*BT1 inorganic phosphors
*BT1 iodides
*BT1 potassium compounds
RT lugol

POTASSIUM IONS
*BT1 ions

POTASSIUM ISOTOPES
BT1 isotopes
NT1 potassium 35
NT1 potassium 36
NT1 potassium 37
NT1 potassium 38
NT1 potassium 39
NT1 potassium 40
NT1 potassium 41
NT1 potassium 42
NT1 potassium 43
NT1 potassium 44
NT1 potassium 45
NT1 potassium 46
NT1 potassium 47
NT1 potassium 48
NT1 potassium 49
NT1 potassium 50
NT1 potassium 51
NT1 potassium 52
NT1 potassium 53
NT1 potassium 54

POTASSIUM NITRATES
*BT1 nitrates
*BT1 potassium compounds

POTASSIUM NITRIDES
*BT1 nitrides
*BT1 potassium compounds

POTASSIUM OXIDES
*BT1 oxides
*BT1 potassium compounds
RT clarkeite
RT oxide minerals

POTASSIUM PERCHLORATES
*BT1 perchlorates
*BT1 potassium compounds

potassium permanganates
Use permanganates
AND potassium compounds

POTASSIUM PHOSPHATES
*BT1 phosphates
*BT1 potassium compounds

POTASSIUM PHOSPHIDES
INIS: Sep 1991; ETDE: Dec 1984
*BT1 phosphides
*BT1 potassium compounds

POTASSIUM SELENIDES
INIS: Sep 1991; ETDE: Apr 1978
*BT1 potassium compounds
*BT1 selenides

POTASSIUM SILICATES
*BT1 potassium compounds
*BT1 silicates
RT silicate minerals

potassium silicides
Use potassium compounds
AND silicides

POTASSIUM SULFATES
*BT1 potassium compounds
*BT1 sulfates
RT polyhalite
RT sulfate minerals

POTASSIUM SULFIDES
*BT1 potassium compounds
*BT1 sulfides

POTASSIUM TELLURIDES
INIS: Sep 1979; ETDE: Jan 1978
*BT1 potassium compounds
*BT1 tellurides

POTASSIUM TUNGSTATES
INIS: May 1978; ETDE: Jan 1976
*BT1 potassium compounds
*BT1 tungstates

POTASSIUM URANATES
INIS: Nov 1975; ETDE: Aug 1975
*BT1 potassium compounds
*BT1 uranates

POTASSIUM VANADATES
INIS: Sep 1991; ETDE: Jun 1981
*BT1 potassium compounds
*BT1 vanadates

potato plant
Use solanum tuberosum

potato tubers
Use potatoes

POTATOES
UF *potato tubers*
BT1 tubers
*BT1 vegetables
RT solanum tuberosum
RT sprout inhibition

potential (electric)
Use electric potential

potential barriers
Use potentials

POTENTIAL ENERGY
BT1 energy
NT1 fission barrier
RT kinetic energy
RT lagrangian function
RT landau-zener formula
RT potentials

POTENTIAL FLOW
BT1 fluid flow

POTENTIAL SCATTERING
*BT1 elastic scattering
RT coulomb scattering
RT potentials

POTENTIALS
INIS: Oct 1981; ETDE: Apr 1979
(For the mathematical construct from which forces are derived by differentiation; not for ELECTRIC POTENTIAL.)
UF *levy potential*
UF *levy-klein potential*
UF *potential barriers*
UF+ *periodic potentials*
NT1 buckingham potential
NT1 central potential
NT1 kihara potential
NT1 lennard-jones potential
NT1 morse potential
NT1 muffin-tin potential
NT1 nonlocal potential
NT1 nuclear potential
NT2 fission barrier
NT2 hard-core potential
NT2 harmonic potential
NT2 hulthen potential
NT2 soft-core potential
NT2 square-well potential
NT2 woods-saxon potential
NT2 yukawa potential
NT1 nucleon-nucleon potential
NT2 gauss potential
NT2 hamada-johnston potential
NT2 reid potential
NT2 schiffer potential
NT2 skyrme potential
NT2 surface delta potential
NT2 yamaguchi potential
NT1 ope potential
NT2 gammel-thaler potential
NT1 roche equipotentials

NT1 surface potential
NT1 tabakin potential
RT basic interactions
RT electromagnetic fields
RT gravitational fields
RT interatomic forces
RT intermolecular forces
RT noncentral forces
RT nuclear forces
RT potential energy
RT potential scattering
RT rosenfeld force
RT tensor forces

POTENTIOMETERS
INIS: Feb 1983; ETDE: Jan 1975
*BT1 electric measuring instruments
RT potentiostats
RT resistors

potentiometers (variable resistors)
Use resistors

POTENTIOMETRY
*BT1 titration
RT redox potential

POTENTIOSTATS
INIS: Apr 2000; ETDE: Mar 1979
(Automatic instruments that control the potential of working electrodes during coulometric titrations.)
BT1 measuring instruments
RT potentiometers
RT titration
RT voltametry

POTHEADS
INIS: Apr 2000; ETDE: Mar 1977
(Hermetically sealed terminations for electric cables.)
*BT1 electrical equipment
RT connectors

POTOMAC RIVER
INIS: Sep 1977; ETDE: Jan 1975
*BT1 rivers
RT maryland
RT potomac river basin
RT virginia
RT west virginia

POTOMAC RIVER BASIN
INIS: Jan 1992; ETDE: Nov 1980
BT1 watersheds
RT maryland
RT pennsylvania
RT potomac river
RT virginia
RT washington dc
RT west virginia

potorous
Use marsupials

pott-broche process
Use coal liquefaction

POTTING
INIS: Apr 1986; ETDE: Apr 1979
(Encapsulation with a shock-absorbing dielectric material.)
RT dielectric materials
RT electrical equipment
RT electronic equipment
RT encapsulation
RT impact shock
RT potting materials

POTTING MATERIALS
INIS: Apr 1986; ETDE: Mar 1979
(Shock-absorbing dielectric materials used for encapsulation.)
BT1 materials
RT dielectric materials
RT electrical equipment
RT electronic equipment
RT encapsulation
RT epoxides
RT potting

poultry
Use fowl

POUR POINT
INIS: Apr 2000; ETDE: Jan 1975
(The lowest temperature at which a substance flows under specified conditions.)
RT fluids
RT liquids

POWDER METALLURGY
BT1 metallurgy
RT compacting
RT powders
RT sintered materials
RT sintering

POWDER RIVER BASIN
INIS: Jun 1992; ETDE: Aug 1985
*BT1 montana
BT1 watersheds
*BT1 wyoming
RT coal deposits
RT natural gas deposits
RT petroleum deposits
RT sedimentary basins

POWDERS
RT compacts
RT debye-scherrer method
RT dusts
RT elutriation
RT granular materials
RT particle size
RT particles
RT powder metallurgy
RT pulverized fuels
RT sintered materials
RT specific surface area

POWER
NT1 electric power
NT2 hydroelectric power
NT2 off-peak power
NT2 surplus power
NT1 nuclear power
NT2 residual power
NT1 wave power
NT1 wind power
RT energy consumption
RT power generation
RT power input
RT power range
RT thermonuclear reactors

POWER AMPLIFIERS
*BT1 amplifiers

power beaming
Use laser power transmission

power burst facility usaec
Use pbf reactor

POWER COEFFICIENT
BT1 reactivity coefficients

POWER CONDITIONING CIRCUITS
INIS: Sep 1975; ETDE: Jan 1975
(Prior to December 1990, this concept was indexed by POWERCONDITIONING SYSTEMS and ELECTRONIC CIRCUITS.)
UF *power conditioning systems*
BT1 electronic circuits
RT control systems
RT dc to dc converters
RT inverters
RT power supplies

power conditioning systems
Use power conditioning circuits

POWER-COOLING-MISMATCH ACCIDENTS
UF *pcm accidents*
*BT1 reactor accidents

POWER DEMAND
UF *loads (power demand)*
BT1 demand
RT demand factors
RT electric power
RT energy demand
RT fill factors
RT off-peak power
RT peak load

POWER DENSITY
UF *density (power)*
NT1 wall loading
RT neutron density
RT power distribution
RT reactor cores
RT reactor lattices

POWER DISTRIBUTION
INIS: Feb 1976; ETDE: Jul 1975
(The spatial distribution of power level throughout a reactor core or fuel element. Not to be confused with the movement of power from one point to another, for which see POWER TRANSMISSION.)
RT power density
RT reactor cores

POWER DISTRIBUTION SYSTEMS
INIS: Apr 1992; ETDE: Mar 1981
(Systems for distributing electric power from convenient points on the transmission or bulk power system to the consumers.)
RT gas-insulated substations
RT power substations
RT power systems
RT power transmission

power excursions
Use excursions

POWER FACTOR
INIS: Nov 1980; ETDE: Sep 1977
(The ratio of the average or active power to the apparent power.)
UF *phase factor*
RT interconnected power systems
RT power generation
RT power systems
RT power transmission
RT var control systems

POWER GENERATION
UF *power production*
NT1 cogeneration
NT1 on-site power generation
RT capacity
RT dispersed storage and generation

RT dual-purpose power plants
RT electric power
RT fill factors
RT flood control
RT gas turbine power plants
RT interconnected power systems
RT nuclear power
RT power
RT power factor
RT power plants
RT power pooling
RT power substations
RT power systems
RT refuse-fueled power plants

POWER INPUT

INIS: Jan 1985; ETDE: Sep 1977
(Power required to operate machinery, appliance, or other device.)
UF *wattage*
RT power

POWER LOSSES

INIS: Jun 1983; ETDE: Jan 1979
UF+ *line losses*
*BT1 energy losses
RT electric power
RT outages
RT power transmission

POWER METERS

INIS: Jul 1992; ETDE: Jan 1978
UF *watt-hour meters*
*BT1 electric measuring instruments
*BT1 meters
RT electric power
RT energy consumption
RT master metering
RT metering
RT peak-load pricing

power plant and industrial fuel use act

Use us power plant and industrial fuel use act

POWER PLANTS

UF *plants (power)*
UF+ *douglas point site*
NT1 dual-purpose power plants
NT1 fuel cell power plants
NT1 gas turbine power plants
NT1 hydroelectric power plants
NT2 high-head hydroelectric power plants
NT2 low-head hydroelectric power plants
NT2 medium-head hydroelectric power plants
NT2 micro-scale hydroelectric power plants
NT2 pumped storage power plants
NT2 small-scale hydroelectric power plants
NT1 mhd power plants
NT2 mhd generator etf
NT1 peaking power plants
NT2 compressed air storage power plants
NT2 pumped storage power plants
NT1 solar power plants
NT2 ocean thermal power plants
NT2 orbital solar power plants
NT2 photovoltaic power plants
NT2 salinity gradient power plants
NT2 solar thermal power plants
NT3 distributed collector power plants
NT3 tower focus power plants
NT4 barstow solar pilot plant
NT1 thermal power plants
NT2 combined-cycle power plants
NT3 mhd generator etf
NT2 fossil-fuel power plants
NT3 kingston steam plant
NT3 paradise steam plant
NT3 shawnee steam plant
NT3 widows creek steam plant
NT2 geothermal power plants
NT2 nuclear power plants
NT3 bopssar standard plant
NT3 ebasco standard plant
NT3 gibbssar standard plant
NT3 offshore nuclear power plants
NT3 swessar standard plant
NT3 underground nuclear stations
NT2 ocean thermal power plants
NT2 refuse-fueled power plants
NT2 solar thermal power plants
NT3 distributed collector power plants
NT3 tower focus power plants
NT4 barstow solar pilot plant
NT2 thermonuclear power plants
NT2 wood-fuel power plants
NT1 tidal power plants
NT2 kislogubsk power plant
NT2 passamaquoddy power plant
NT2 rance power plant
NT1 wind power plants
NT2 efd wind generators
RT combined cycles
RT electric power
RT off-peak power
RT on-site power generation
RT outages
RT power generation
RT power substations
RT power systems

power-plutonium production reactor richland

Use n-reactor

POWER POOLING

INIS: Apr 1992; ETDE: Feb 1982
(Coordination among electric utilities through formal agreements to share the planning and operation of power generation and transmission facilities.)
RT electric utilities
RT interconnected power systems
RT power generation
RT power transmission

power pools

Use interconnected power systems

POWER POTENTIAL

INIS: Apr 2000; ETDE: Jan 1975
RT electric power

power production

Use power generation

POWER RANGE

INIS: Apr 1988; ETDE: Aug 1989
NT1 exawatt power range
NT2 power range 01-10 ew
NT2 power range 10-100 ew
NT2 power range 100-1000 ew
NT1 gigawatt power range
NT2 power range 01-10 gw
NT2 power range 10-100 gw
NT2 power range 100-1000 gw
NT1 kilowatt power range
NT2 power range 01-10 kw
NT2 power range 10-100 kw
NT2 power range 100-1000 kw
NT1 megawatt power range
NT2 power range 01-10 mw
NT2 power range 10-100 mw
NT2 power range 100-1000 mw
NT1 milliwatt power range
NT2 power range 01-10 milli w
NT2 power range 10-100 milli w
NT2 power range 100-1000 milli w
NT1 petawatt power range
NT2 power range 01-10 pw
NT2 power range 10-100 pw
NT2 power range 100-1000 pw
NT1 terawatt power range
NT2 power range 01-10 tw
NT2 power range 10-100 tw
NT2 power range 100-1000 tw
NT1 watt power range
NT2 power range 01-10 w
NT2 power range 10-100 w
NT2 power range 100-1000 w
RT power

POWER RANGE 01-10 EW

Aug 2003
*BT1 exawatt power range

POWER RANGE 01-10 GW

INIS: Apr 1988; ETDE: Jun 1975
(Prior to November 1989, this descriptor was POWER RANGE 1-10 GW.)
*BT1 gigawatt power range

POWER RANGE 01-10 KW

INIS: Apr 1988; ETDE: Apr 1975
(Prior to November 1989, this descriptor was POWER RANGE 1-10 KW.)
*BT1 kilowatt power range

POWER RANGE 01-10 MILLI W

Aug 2003
*BT1 milliwatt power range

POWER RANGE 01-10 MW

INIS: Apr 1988; ETDE: Apr 1975
(Prior to November 1989, this descriptor was POWER RANGE 1-10 MW.)
*BT1 megawatt power range

POWER RANGE 01-10 PW

Aug 2003
*BT1 petawatt power range

POWER RANGE 01-10 TW

INIS: Apr 2000; ETDE: May 1982
(Prior to November 1989, this descriptor was POWER RANGE 1-10 TW.)
*BT1 terawatt power range

POWER RANGE 01-10 W

INIS: Apr 1988; ETDE: Apr 1975
(Prior to November 1989, this descriptor was POWER RANGE 1-10 W.)
*BT1 watt power range

POWER RANGE 10-100 EW

Aug 2003
*BT1 exawatt power range

POWER RANGE 10-100 GW

INIS: Apr 1988; ETDE: Sep 1975
*BT1 gigawatt power range

POWER RANGE 10-100 KW

INIS: Apr 1988; ETDE: Apr 1975
*BT1 kilowatt power range

POWER RANGE 10-100 MILLI W

Aug 2003
*BT1 milliwatt power range

POWER RANGE 10-100 MW

INIS: Apr 1988; ETDE: Apr 1975
*BT1 megawatt power range

POWER RANGE 10-100 PW
Aug 2003
*BT1 petawatt power range

POWER RANGE 10-100 TW
Aug 2003
*BT1 terawatt power range

POWER RANGE 10-100 W
INIS: Apr 1988; ETDE: May 1975
*BT1 watt power range

POWER RANGE 100-1000 EW
Aug 2003
*BT1 exawatt power range

POWER RANGE 100-1000 GW
INIS: Apr 1988; ETDE: Sep 1975
*BT1 gigawatt power range

POWER RANGE 100-1000 KW
INIS: Apr 1988; ETDE: Apr 1975
*BT1 kilowatt power range

POWER RANGE 100-1000 MILLI W
Aug 2003
*BT1 milliwatt power range

POWER RANGE 100-1000 MW
INIS: Apr 1988; ETDE: Apr 1975
*BT1 megawatt power range

POWER RANGE 100-1000 PW
Aug 2003
*BT1 petawatt power range

POWER RANGE 100-1000 TW
Aug 2003
*BT1 terawatt power range

POWER RANGE 100-1000 W
INIS: Apr 1988; ETDE: Apr 1975
*BT1 watt power range

power range milli w
Use milliwatt power range

power reactor nuclear fuel development corporation
Use pnc

POWER REACTORS
BT1 reactors
NT1 agesta reactor
NT1 aipfr reactor
NT1 ao-phai-1 reactor
NT1 aps reactor
NT1 arbus reactor
NT1 avr reactor
NT1 beloyarsk-1 reactor
NT1 beloyarsk-2 reactor
NT1 beloyarsk-3 reactor
NT1 beloyarsk-4 reactor
NT1 bilibin reactor
NT1 bn-1600 reactor
NT1 bn-350 reactor
NT1 bn-800 reactor
NT1 bohunice a-1 reactor
NT1 bohunice a-2 reactor
NT1 bor-60 reactor
NT1 borax-3 reactor
NT1 borax-4 reactor
NT1 borax-5 reactor
NT1 bugey-1 reactor
NT1 bwr type reactors
NT2 allens creek-1 reactor
NT2 allens creek-2 reactor
NT2 bailly-1 reactor
NT2 barsebaeck-1 reactor
NT2 barsebaeck-2 reactor
NT2 barton-1 reactor
NT2 barton-2 reactor
NT2 barton-3 reactor
NT2 barton-4 reactor
NT2 bell reactor
NT2 big rock point reactor
NT2 black fox-1 reactor
NT2 black fox-2 reactor
NT2 bolsa chica-1 reactor
NT2 bolsa chica-2 reactor
NT2 bonus reactor
NT2 browns ferry-1 reactor
NT2 browns ferry-2 reactor
NT2 browns ferry-3 reactor
NT2 brunsbuettel reactor
NT2 brunswick-1 reactor
NT2 brunswick-2 reactor
NT2 chinshan-1 reactor
NT2 chinshan-2 reactor
NT2 clinton-1 reactor
NT2 clinton-2 reactor
NT2 cofrentes reactor
NT2 cooper reactor
NT2 dodewaard reactor
NT2 douglas point-1 reactor
NT2 douglas point-2 reactor
NT2 dresden-1 reactor
NT2 dresden-2 reactor
NT2 dresden-3 reactor
NT2 duane arnold-1 reactor
NT2 ebwr reactor
NT2 enel-4 reactor
NT2 enrico fermi-2 reactor
NT2 err reactor
NT2 fitzpatrick reactor
NT2 forsmark-1 reactor
NT2 forsmark-2 reactor
NT2 forsmark-3 reactor
NT2 fukushima-1 reactor
NT2 fukushima-2 reactor
NT2 fukushima-3 reactor
NT2 fukushima-4 reactor
NT2 fukushima-5 reactor
NT2 fukushima-6 reactor
NT2 fukushima-ii-1 reactor
NT2 fukushima-ii-2 reactor
NT2 fukushima-ii-3 reactor
NT2 fukushima-ii-4 reactor
NT2 garigliano reactor
NT2 garona reactor
NT2 ge standard reactor
NT2 graben-1 reactor
NT2 graben-2 reactor
NT2 grand gulf-1 reactor
NT2 grand gulf-2 reactor
NT2 gundremmingen-2 reactor
NT2 gundremmingen-3 reactor
NT2 hamaoka-1 reactor
NT2 hamaoka-2 reactor
NT2 hamaoka-3 reactor
NT2 hamaoka-4 reactor
NT2 hamaoka-5 reactor
NT2 hartsville-1 reactor
NT2 hartsville-2 reactor
NT2 hartsville-3 reactor
NT2 hartsville-4 reactor
NT2 hatch-1 reactor
NT2 hatch-2 reactor
NT2 hdr reactor
NT2 hope creek-1 reactor
NT3 newbold island-1 reactor
NT2 hope creek-2 reactor
NT3 newbold island-2 reactor
NT2 humboldt bay reactor
NT2 isar reactor
NT2 jpdr reactor
NT2 jpdr-2 reactor
NT2 kaiseraugst reactor
NT2 kashiwazaki-kariwa-1 reactor
NT2 kashiwazaki-kariwa-2 reactor
NT2 kashiwazaki-kariwa-3 reactor
NT2 kashiwazaki-kariwa-4 reactor
NT2 kashiwazaki-kariwa-5 reactor
NT2 kashiwazaki-kariwa-6 reactor
NT2 kashiwazaki-kariwa-7 reactor
NT2 kruemmel reactor
NT2 kuosheng-1 reactor
NT2 kuosheng-2 reactor
NT2 la salle county-1 reactor
NT2 la salle county-2 reactor
NT2 lacbwr reactor
NT2 laguna verde-1 reactor
NT2 laguna verde-2 reactor
NT2 leibstadt reactor
NT2 limerick-1 reactor
NT2 limerick-2 reactor
NT2 lingen reactor
NT2 mendocino-1 reactor
NT2 mendocino-2 reactor
NT2 millstone-1 reactor
NT2 montague-1 reactor
NT2 montague-2 reactor
NT2 montalto di castro-1 reactor
NT2 montalto di castro-2 reactor
NT2 monticello reactor
NT2 muehleberg reactor
NT2 nine mile point-1 reactor
NT2 nine mile point-2 reactor
NT2 okg-1 reactor
NT2 okg-2 reactor
NT2 olkiluoto-1 reactor
NT2 olkiluoto-2 reactor
NT2 onagawa-1 reactor
NT2 onagawa-2 reactor
NT2 onagawa-3 reactor
NT2 oyster creek-1 reactor
NT2 pathfinder reactor
NT2 peach bottom-2 reactor
NT2 peach bottom-3 reactor
NT2 perry-1 reactor
NT2 perry-2 reactor
NT2 philippsburg-1 reactor
NT2 phipps bend-1 reactor
NT2 phipps bend-2 reactor
NT2 pilgrim-1 reactor
NT2 quad cities-1 reactor
NT2 quad cities-2 reactor
NT2 ringhals-1 reactor
NT2 river bend-1 reactor
NT2 river bend-2 reactor
NT2 rwe-bayernwerk reactor
NT2 shika-1 reactor
NT2 shimane-1 reactor
NT2 shimane-2 reactor
NT2 shoreham reactor
NT2 skagit-1 reactor
NT2 skagit-2 reactor
NT2 sl-1 reactor
NT2 susquehanna-1 reactor
NT2 susquehanna-2 reactor
NT2 tarapur-1 reactor
NT2 tarapur-2 reactor
NT2 tokai-2 reactor
NT2 tsuruga reactor
NT2 tullnerfeld reactor
NT2 vak reactor
NT2 vbwr reactor
NT2 vermont yankee reactor
NT2 verplanck-1 reactor
NT2 verplanck-2 reactor
NT2 vk-50 reactor
NT2 wnp-2 reactor
NT3 hanford-2 reactor
NT2 wuergassen reactor
NT2 zimmer-1 reactor
NT2 zimmer-2 reactor
NT1 cdfr reactor
NT1 chernobylsk-1 reactor

NT2 cattenom-4 reactor
NT2 ce standard reactor
NT2 cherokee-1 reactor
NT2 cherokee-2 reactor
NT2 cherokee-3 reactor
NT2 chinon-b1 reactor
NT2 comanche peak-1 reactor
NT2 comanche peak-2 reactor
NT2 connecticut yankee reactor
NT2 cook-1 reactor
NT2 cook-2 reactor
NT2 cruas-2 reactor
NT2 cruas-3 reactor
NT2 cruas-4 reactor
NT2 crystal river-3 reactor
NT2 crystal river-4 reactor
NT2 dampierre-1 reactor
NT2 dampierre-2 reactor
NT2 dampierre-3 reactor
NT2 dampierre-4 reactor
NT2 davis besse-1 reactor
NT2 davis besse-2 reactor
NT2 davis besse-3 reactor
NT2 daya bay-1 reactor
NT2 daya bay-2 reactor
NT2 diablo canyon-1 reactor
NT2 diablo canyon-2 reactor
NT2 doel-1 reactor
NT2 doel-2 reactor
NT2 doel-3 reactor
NT2 doel-4 reactor
NT2 efdr-50 reactor
NT2 emsland reactor
NT2 erie-1 reactor
NT2 erie-2 reactor
NT2 farley-1 reactor
NT2 farley-2 reactor
NT2 fessenheim-1 reactor
NT2 flamanville-1 reactor
NT2 flamanville-2 reactor
NT2 forked river-1 reactor
NT2 genkai-1 reactor
NT2 genkai-2 reactor
NT2 genkai-3 reactor
NT2 genkai-4 reactor
NT2 ginna-1 reactor
NT2 goesgen reactor
NT2 golfech-1 reactor
NT2 golfech-2 reactor
NT2 grafenrheinfeld reactor
NT2 gravelines-b1 reactor
NT2 gravelines-c6 reactor
NT2 greene county reactor
NT2 greenwood-2 reactor
NT2 greenwood-3 reactor
NT2 grohnde reactor
NT2 hamm-uentrop reactor
NT2 harris-1 reactor
NT2 harris-2 reactor
NT2 harris-3 reactor
NT2 harris-4 reactor
NT2 haven-1 reactor
NT3 koshkonong-1 reactor
NT2 haven-2 reactor
NT3 koshkonong-2 reactor
NT2 ikata reactor
NT2 ikata-2 reactor
NT2 ikata-3 reactor
NT2 indian point-1 reactor
NT2 indian point-2 reactor
NT2 indian point-3 reactor
NT2 iran-1 reactor
NT2 iran-2 reactor
NT2 isar-2 reactor
NT2 jamesport-1 reactor
NT2 jamesport-2 reactor
NT2 kewaunee reactor
NT2 koeberg-1 reactor
NT2 koeberg-2 reactor
NT2 kori-1 reactor
NT2 kori-2 reactor
NT2 kori-3 reactor
NT2 kori-4 reactor
NT2 krsko reactor
NT2 lemoniz-1 reactor
NT2 lemoniz-2 reactor
NT2 lenin reactor
NT2 leonid brezhnev reactor
NT2 lingao-1 reactor
NT2 lingao-2 reactor
NT2 loft reactor
NT2 lucie-1 reactor
NT2 lucie-2 reactor
NT2 maanshan-1 reactor
NT2 maine yankee reactor
NT2 malibu-1 reactor
NT2 marble hill-1 reactor
NT2 marble hill-2 reactor
NT2 mc guire-1 reactor
NT2 mc guire-2 reactor
NT2 mh-1a reactor
NT2 midland-1 reactor
NT2 midland-2 reactor
NT2 mihama-1 reactor
NT2 mihama-2 reactor
NT2 mihama-3 reactor
NT2 millstone-2 reactor
NT2 millstone-3 reactor
NT2 muelheim-kaerlich reactor
NT2 mutsu reactor
NT2 neckar-1 reactor
NT2 neckar-2 reactor
NT2 nep-1 reactor
NT2 nep-2 reactor
NT2 neupotz-1 reactor
NT2 neupotz-2 reactor
NT2 nogent sur seine-1 reactor
NT2 nogent sur seine-2 reactor
NT2 north anna-1 reactor
NT2 north anna-2 reactor
NT2 north anna-3 reactor
NT2 north anna-4 reactor
NT2 north coast-1 reactor
NT2 obrigheim reactor
NT2 oconee-1 reactor
NT2 oconee-2 reactor
NT2 oconee-3 reactor
NT2 oi-1 reactor
NT2 oi-2 reactor
NT2 oi-3 reactor
NT2 oi-4 reactor
NT2 oktemberyan-2 reactor
NT2 otto hahn reactor
NT2 palisades-1 reactor
NT2 palo verde-1 reactor
NT2 palo verde-2 reactor
NT2 palo verde-3 reactor
NT2 palo verde-4 reactor
NT2 palo verde-5 reactor
NT2 paluel-1 reactor
NT2 paluel-2 reactor
NT2 paluel-3 reactor
NT2 paluel-4 reactor
NT2 pat reactor
NT2 pebble springs-1 reactor
NT2 pebble springs-2 reactor
NT2 penly-1 reactor
NT2 perkins-1 reactor
NT2 perkins-2 reactor
NT2 perkins-3 reactor
NT2 philippsburg-2 reactor
NT2 pilgrim-2 reactor
NT2 pilgrim-3 reactor
NT2 pm-2a reactor
NT2 pm-3a reactor
NT2 pnpp-1 reactor
NT2 point beach-1 reactor
NT2 point beach-2 reactor
NT2 prairie island-1 reactor
NT2 prairie island-2 reactor
NT2 qinshan-1 reactor
NT2 qinshan-2-1 reactor
NT2 qinshan-2-2 reactor
NT2 quanicassee-1 reactor
NT2 quanicassee-2 reactor
NT2 rancho seco-1 reactor
NT2 remerschen reactor
NT2 rheinsberg akw1 reactor
NT2 ringhals-2 reactor
NT2 ringhals-3 reactor
NT2 ringhals-4 reactor
NT2 robinson-2 reactor
NT2 rooppur reactor
NT2 rowe yankee reactor
NT2 s1c prototype reactor
NT2 saint alban-1 reactor
NT2 saint alban-2 reactor
NT2 saint laurent-b1 reactor
NT2 salem-1 reactor
NT2 salem-2 reactor
NT2 san onofre-1 reactor
NT2 san onofre-2 reactor
NT2 san onofre-3 reactor
NT2 savannah reactor
NT2 saxton reactor
NT2 seabrook-1 reactor
NT2 seabrook-2 reactor
NT2 selni reactor
NT2 sendai-1 reactor
NT2 sendai-2 reactor
NT2 sequoyah-1 reactor
NT2 sequoyah-2 reactor
NT2 shippingport reactor
NT2 sizewell-b reactor
NT2 sm-1 reactor
NT2 sm-1a reactor
NT2 south texas project-1 reactor
NT2 south texas project-2 reactor
NT2 stade reactor
NT2 sterling-1 reactor
NT2 sterling-2 reactor
NT2 summer-1 reactor
NT2 sundesert-1 reactor
NT2 sundesert-2 reactor
NT2 surry-1 reactor
NT2 surry-2 reactor
NT2 surry-3 reactor
NT2 surry-4 reactor
NT2 takahama-1 reactor
NT2 takahama-2 reactor
NT2 takahama-3 reactor
NT2 takahama-4 reactor
NT2 three mile island-1 reactor
NT2 three mile island-2 reactor
NT2 tihange reactor
NT2 tihange-2 reactor
NT2 tihange-3 reactor
NT2 tomari-1 reactor
NT2 tomari-2 reactor
NT2 tricastin-1 reactor
NT2 tricastin-4 reactor
NT2 trillo-1 reactor
NT2 trojan reactor
NT2 tsuruga-2 reactor
NT2 turkey point-3 reactor
NT2 turkey point-4 reactor
NT2 tva-1 reactor
NT2 tva-2 reactor
NT2 tyrone-1 reactor
NT2 tyrone-2 reactor
NT2 ulchin-1 reactor
NT2 ulchin-2 reactor
NT2 ulchin-3 reactor
NT2 ulchin-4 reactor
NT2 unterweser reactor
NT2 vahnum-1 reactor
NT2 vahnum-2 reactor

NT2 vandellos-2 reactor
NT2 vogtle-1 reactor
NT2 vogtle-2 reactor
NT2 vogtle-3 reactor
NT2 vogtle-4 reactor
NT2 waterford-3 reactor
NT2 waterford-4 reactor
NT2 watts bar-1 reactor
NT2 watts bar-2 reactor
NT2 westinghouse standard reactor
NT2 wnp-1 reactor
NT2 wnp-3 reactor
NT2 wnp-4 reactor
NT2 wnp-5 reactor
NT2 wolf creek-1 reactor
NT2 wup-3 reactor
NT2 wup-4 reactor
NT2 wup-5 reactor
NT2 wup-6 reactor
NT2 wwer type reactors
NT3 armenian-1 reactor
NT3 armenian-2 reactor
NT3 balakovo-1 reactor
NT3 balakovo-2 reactor
NT3 balakovo-3 reactor
NT3 balakovo-4 reactor
NT3 blahutovice-1 reactor
NT3 bohunice v-1 reactor
NT3 bohunice v-2 reactor
NT3 dukovany-1 reactor
NT3 dukovany-2 reactor
NT3 dukovany-3 reactor
NT3 dukovany-4 reactor
NT3 greifswald-1 reactor
NT3 greifswald-2 reactor
NT3 greifswald-3 reactor
NT3 greifswald-4 reactor
NT3 greifswald-5 reactor
NT3 greifswald-6 reactor
NT3 juragua-1 reactor
NT3 kalinin-1 reactor
NT3 kalinin-3 reactor
NT3 kecerovce-1 reactor
NT3 khmelnitskij-1 reactor
NT3 kola-1 reactor
NT3 kola-2 reactor
NT3 kola-3 reactor
NT3 kola-4 reactor
NT3 kozloduy-1 reactor
NT3 kozloduy-2 reactor
NT3 kozloduy-3 reactor
NT3 kozloduy-4 reactor
NT3 kozloduy-5 reactor
NT3 kozloduy-6 reactor
NT3 loviisa-1 reactor
NT3 loviisa-2 reactor
NT3 mochovce-1 reactor
NT3 mochovce-2 reactor
NT3 novovoronezh-1 reactor
NT3 novovoronezh-2 reactor
NT3 novovoronezh-3 reactor
NT3 novovoronezh-4 reactor
NT3 novovoronezh-5 reactor
NT3 paks-1 reactor
NT3 paks-2 reactor
NT3 paks-3 reactor
NT3 paks-4 reactor
NT3 rovno-1 reactor
NT3 rovno-2 reactor
NT3 rovno-3 reactor
NT3 rovno-4 reactor
NT3 rovno-5 reactor
NT3 south ukrainian-1 reactor
NT3 south ukrainian-2 reactor
NT3 south ukrainian-3 reactor
NT3 stendal-1 reactor
NT3 tatarian reactor
NT3 temelin-1 reactor
NT3 temelin-2 reactor
NT3 tianwan-1 reactor
NT3 zaporozhe-1 reactor
NT3 zaporozhe-2 reactor
NT3 zaporozhe-3 reactor
NT3 zaporozhe-4 reactor
NT3 zaporozhe-5 reactor
NT3 zaporozhe-6 reactor
NT2 wyhl-1 reactor
NT2 wyhl-2 reactor
NT2 yellow creek-1 reactor
NT2 yellow creek-2 reactor
NT2 yonggwang-1 reactor
NT2 yonggwang-2 reactor
NT2 yonggwang-3 reactor
NT2 yonggwang-4 reactor
NT2 zion-1 reactor
NT2 zion-2 reactor
NT2 zorita-1 reactor
NT1 rancho seco-2 reactor
NT1 saint laurent-1 reactor
NT1 saint laurent-2 reactor
NT1 schmehausen-2 reactor
NT1 sefor reactor
NT1 smolensk-1 reactor
NT1 smolensk-2 reactor
NT1 smolensk-3 reactor
NT1 snr reactor
NT1 snr-2 reactor
NT1 space power reactors
NT2 snap reactors
NT3 snap 10 reactor
NT4 s10fs-1 reactor
NT4 s10fs-3 reactor
NT4 s10fs-4 reactor
NT3 snap 2 reactor
NT4 s2ds reactor
NT3 snap 50 reactor
NT3 snap 8 reactor
NT4 s8dr reactor
NT4 s8er reactor
NT2 space propulsion reactors
NT3 kiwi reactors
NT4 kiwi-tnt reactor
NT3 nerva reactor
NT3 nrx-a1 reactor
NT3 nrx-a2 reactor
NT3 nrx-a3 reactor
NT3 nrx-a4-est reactor
NT3 nrx-a5 reactor
NT3 nrx-a6 reactor
NT3 nrx-a7 reactor
NT3 pewee-1 reactor
NT3 pewee-2 reactor
NT3 pewee-3 reactor
NT3 pewee-4 reactor
NT3 phoebus-1a reactor
NT3 phoebus-1b reactor
NT3 phoebus-2a reactor
NT3 rover reactors
NT3 twmr reactor
NT3 xe-2 reactor
NT1 sre reactor
NT1 summit-1 reactor
NT1 summit-2 reactor
NT1 thermionic reactors
NT1 thermoelectric reactors
NT1 thtr-300 reactor
NT1 topaz reactor
NT1 torness reactor
NT1 vandellos reactor
NT1 vg-400 reactor
NT1 vgr-50 reactor
NT1 vhtr reactor
NT1 vidal-1 reactor
NT1 vidal-2 reactor
NT1 vrain reactor
NT1 wagr reactor
RT agr type reactors
RT bhwr type reactors
RT desalination reactors
RT fbr type reactors
RT gcr type reactors
RT htgr type reactors
RT hwgcr type reactors
RT hwlwr type reactors
RT lwgr type reactors
RT lwor type reactors
RT nuclear power plants
RT omr type reactors
RT phwr type reactors
RT present worth method
RT process heat reactors
RT sgr type reactors
RT szr type reactors
RT underground nuclear stations

POWER RELAY SATELLITES

INIS: Apr 2000; ETDE: Feb 1975
BT1 satellites
RT power transmission

POWER SERIES

BT1 series expansion
RT mathematics

POWER SUBSTATIONS

INIS: Apr 1984; ETDE: Jul 1976
(Term is used for an assembly of equipment in an electric power system for the transmission, transformation, or switching of electric energy.)
UF *electric power substations*
NT1 gas-insulated substations
RT power distribution systems
RT power generation
RT power plants
RT power systems
RT power transmission
RT power transmission lines

POWER SUPPLIES

*BT1 electronic equipment
NT1 marx generators
NT1 photovoltaic power supplies
NT1 radio equipment power supplies
NT1 spacecraft power supplies
RT capacitors
RT dc to dc converters
RT direct energy converters
RT electric power
RT electrical equipment
RT gyrocons
RT inverters
RT klystrons
RT lasertrons
RT microwave power transmission
RT outages
RT power conditioning circuits
RT rf systems

POWER SYSTEMS

INIS: Dec 1982; ETDE: Feb 1976
(Includes electric power networks with associated generating and transmission facilities.)
UF *electric power systems*
BT1 energy systems
NT1 ac systems
NT2 ehv ac systems
NT2 hvac systems
NT2 uhv ac systems
NT1 brayton cycle power systems
NT1 dc systems
NT2 ehv dc systems
NT2 hvdc systems
NT2 uhv dc systems
NT1 interconnected power systems
NT1 rankine cycle power systems
NT1 solar-assisted power systems

RT dispersed storage and generation
RT electric power industry
RT electrical transients
RT gas-insulated transformers
RT laser power transmission
RT microwave power transmission
RT outages
RT power distribution systems
RT power factor
RT power generation
RT power plants
RT power substations
RT power transmission
RT power transmission lines
RT underground power transmission
RT var control systems

POWER TRANSMISSION

(The act or process of transporting electrical energy in bulk from a source or sources of supply to other principal parts of the system or to other utility systems.)
SF *energy transmission*
SF *energy transport*
SF *transmission (energy)*
SF *transport (energy)*
NT1 laser power transmission
NT1 microwave power transmission
NT1 overhead power transmission
NT1 underground power transmission
RT electric power
RT gas-insulated cables
RT gas-insulated transformers
RT hybrid systems
RT interconnected power systems
RT oil-filled cables
RT outages
RT power distribution systems
RT power factor
RT power losses
RT power pooling
RT power relay satellites
RT power substations
RT power systems
RT power transmission lines
RT shunt reactors
RT var control systems

POWER TRANSMISSION LINES

UF *transmission lines*
UF+ *line losses*
RT current limiters
RT electric cables
RT electric power
RT gas-insulated cables
RT oil-filled cables
RT power substations
RT power systems
RT power transmission
RT rights-of-way
RT shunt reactors

POWER TRANSMISSION TOWERS

INIS: Mar 1993; ETDE: Aug 1976
UF *transmission towers*
SF *towers*
BT1 mechanical structures
RT overhead power transmission

POWERED SUPPORTS

INIS: Apr 2000; ETDE: Jun 1977
*BT1 supports
NT1 shield supports

POYNTING THEOREM

UF *poynting vector*
RT flux density
RT maxwell equations
RT radiation flux
RT vectors

poynting vector

Use poynting theorem

pp chain

Use hydrogen burning

pp-factor

Use nicotinamide

pr-10 aeg pruefreaktor

Use aeg-pr-10 reactor

pr-6 device

Use magnetic mirrors

pr-7 device

Use magnetic mirrors

pr devices

Use magnetic mirrors

PR SPRINGS DEPOSIT

INIS: Apr 2000; ETDE: Nov 1976
*BT1 oil sand deposits
RT oil sands
RT utah

PRAETORIAN PROJECT

INIS: Apr 2000; ETDE: Nov 1983
*BT1 nuclear explosions
RT contained explosions
RT underground explosions

prague wwr-s reactor

Use lvr-15 reactor

PRAIRIE DOGS

INIS: Apr 2000; ETDE: Dec 1977
*BT1 rodents

PRAIRIE ISLAND-1 REACTOR

(Red Wing, Minnesota, USA)
UF *red wing prairie island-1 reactor*
*BT1 pwr type reactors

PRAIRIE ISLAND-2 REACTOR

(Red Wing, Minnesota, USA)
UF *red wing prairie island-2 reactor*
*BT1 pwr type reactors

PRANDTL NUMBER

RT nusselt number
RT thermodynamic properties
RT viscous flow

PRASEODYMIUM

*BT1 rare earths

PRASEODYMIUM 121

INIS: Sep 1992; ETDE: Jul 1979
*BT1 odd-even nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 124

INIS: Feb 1987; ETDE: May 1987
*BT1 odd-odd nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PRASEODYMIUM 126

INIS: Oct 1984; ETDE: Nov 1984
*BT1 beta-plus decay radioisotopes
*BT1 odd-odd nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PRASEODYMIUM 127

INIS: Sep 1998; ETDE: Sep 1998
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PRASEODYMIUM 128

INIS: Jul 1985; ETDE: Aug 1985
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PRASEODYMIUM 129

INIS: Jun 1977; ETDE: Oct 1977
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PRASEODYMIUM 130

INIS: Jun 1977; ETDE: Oct 1977
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PRASEODYMIUM 131

INIS: Jun 1977; ETDE: Oct 1977
*BT1 beta-plus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 132

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 133

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 134

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 135

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 136

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 137
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-even nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 138
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 139
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-even nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 140
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 141
*BT1 odd-even nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei
*BT1 stable isotopes

PRASEODYMIUM 141 TARGET
BT1 targets

PRASEODYMIUM 142
*BT1 beta-minus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 143
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 odd-even nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 144
*BT1 beta-minus decay radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 145
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-even nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 146
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 147
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 148
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 149
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei

PRASEODYMIUM 150
*BT1 beta-minus decay radioisotopes
*BT1 odd-odd nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PRASEODYMIUM 151
INIS: Jan 1977; ETDE: Jan 1975
*BT1 beta-minus decay radioisotopes
*BT1 odd-even nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PRASEODYMIUM 152
INIS: Jun 1984; ETDE: Jul 1984
*BT1 beta-minus decay radioisotopes
*BT1 odd-odd nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PRASEODYMIUM 153
INIS: Aug 1987; ETDE: Sep 1987
*BT1 beta-minus decay radioisotopes
*BT1 odd-even nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PRASEODYMIUM 154
INIS: Oct 1988; ETDE: Oct 1988
*BT1 beta-minus decay radioisotopes
*BT1 odd-odd nuclei
BT1 praseodymium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PRASEODYMIUM ADDITIONS
(Alloys containing not more than 1% Pr are listed here.)
*BT1 rare earth additions
RT praseodymium alloys

PRASEODYMIUM ALLOYS
(Alloys containing more than 1% Pr.)
*BT1 rare earth alloys
NT1 praseodymium base alloys
RT praseodymium additions

PRASEODYMIUM ARSENIDES
INIS: Feb 1976; ETDE: Oct 1975
*BT1 arsenides
*BT1 praseodymium compounds

PRASEODYMIUM BASE ALLOYS
*BT1 praseodymium alloys

PRASEODYMIUM BORIDES
*BT1 borides
*BT1 praseodymium compounds

PRASEODYMIUM BROMIDES
*BT1 bromides
*BT1 praseodymium compounds

PRASEODYMIUM CARBIDES
*BT1 carbides
*BT1 praseodymium compounds

PRASEODYMIUM CARBONATES
*BT1 carbonates
*BT1 praseodymium compounds

PRASEODYMIUM CHLORIDES
*BT1 chlorides
*BT1 praseodymium compounds

PRASEODYMIUM COMPLEXES
*BT1 rare earth complexes

PRASEODYMIUM COMPOUNDS
BT1 rare earth compounds
NT1 praseodymium arsenides
NT1 praseodymium borides
NT1 praseodymium bromides
NT1 praseodymium carbides
NT1 praseodymium carbonates
NT1 praseodymium chlorides
NT1 praseodymium fluorides
NT1 praseodymium hydrides
NT1 praseodymium hydroxides
NT1 praseodymium iodides
NT1 praseodymium nitrates
NT1 praseodymium nitrides
NT1 praseodymium oxides
NT1 praseodymium perchlorates
NT1 praseodymium phosphates
NT1 praseodymium phosphides
NT1 praseodymium selenides
NT1 praseodymium silicates
NT1 praseodymium silicides
NT1 praseodymium sulfates
NT1 praseodymium sulfides
NT1 praseodymium tellurides
NT1 praseodymium tungstates

PRASEODYMIUM FLUORIDES
*BT1 fluorides
*BT1 praseodymium compounds

PRASEODYMIUM HYDRIDES
*BT1 hydrides
*BT1 praseodymium compounds

PRASEODYMIUM HYDROXIDES
*BT1 hydroxides
*BT1 praseodymium compounds

PRASEODYMIUM IODIDES
*BT1 iodides
*BT1 praseodymium compounds

PRASEODYMIUM IONS
*BT1 ions

PRASEODYMIUM ISOTOPES
NT1 praseodymium 121
NT1 praseodymium 124
NT1 praseodymium 126
NT1 praseodymium 127
NT1 praseodymium 128
NT1 praseodymium 129
NT1 praseodymium 130
NT1 praseodymium 131
NT1 praseodymium 132
NT1 praseodymium 133
NT1 praseodymium 134
NT1 praseodymium 135

NT1 praseodymium 136
NT1 praseodymium 137
NT1 praseodymium 138
NT1 praseodymium 139
NT1 praseodymium 140
NT1 praseodymium 141
NT1 praseodymium 142
NT1 praseodymium 143
NT1 praseodymium 144
NT1 praseodymium 145
NT1 praseodymium 146
NT1 praseodymium 147
NT1 praseodymium 148
NT1 praseodymium 149
NT1 praseodymium 150
NT1 praseodymium 151
NT1 praseodymium 152
NT1 praseodymium 153
NT1 praseodymium 154

PRASEODYMIUM NITRATES
*BT1 nitrates
*BT1 praseodymium compounds

PRASEODYMIUM NITRIDES
*BT1 nitrides
*BT1 praseodymium compounds

PRASEODYMIUM OXIDES
*BT1 oxides
*BT1 praseodymium compounds

PRASEODYMIUM PERCHLORATES
*BT1 perchlorates
*BT1 praseodymium compounds

PRASEODYMIUM PHOSPHATES
INIS: Oct 1975; ETDE: Jan 1975
*BT1 phosphates
*BT1 praseodymium compounds

PRASEODYMIUM PHOSPHIDES
INIS: Jul 1977; ETDE: Nov 1975
*BT1 phosphides
*BT1 praseodymium compounds

PRASEODYMIUM SELENIDES
*BT1 praseodymium compounds
*BT1 selenides

PRASEODYMIUM SILICATES
INIS: Oct 1988; ETDE: Oct 1988
*BT1 praseodymium compounds
*BT1 silicates

PRASEODYMIUM SILICIDES
INIS: Oct 1975; ETDE: Dec 1975
*BT1 praseodymium compounds
*BT1 silicides

PRASEODYMIUM SULFATES
*BT1 praseodymium compounds
*BT1 sulfates

PRASEODYMIUM SULFIDES
*BT1 praseodymium compounds
*BT1 sulfides

PRASEODYMIUM TELLURIDES
*BT1 praseodymium compounds
*BT1 tellurides

PRASEODYMIUM TUNGSTATES
INIS: Sep 1991; ETDE: Jun 1977
*BT1 praseodymium compounds
*BT1 tungstates

PRAWNS
INIS: Apr 1977; ETDE: Jun 1977
*BT1 decapods
RT lobsters
RT seafood
RT shrimp

PRCF REACTOR
UF *plutonium recycle critical facility*
UF *pnl-prcf reactor*
*BT1 plutonium reactors
*BT1 tank type reactors
*BT1 zero power reactors

pre
Use enzymes
AND photoreactivation

PREAMPLIFIERS
*BT1 amplifiers

PRECAMBRIAN ERA
INIS: Apr 1992; ETDE: Oct 1977
BT1 geologic ages

PRECESSION
NT1 larmor precession
RT gyroscopes
RT migma devices
RT orbits
RT rotation

precetron storage ring
Use storage rings

PRECIPITATION
(In chemical processes only; see also ATMOSPHERIC PRECIPITATIONS, ELECTRON PRECIPITATION, PROTON PRECIPITATION, and PRECIPITATION HARDENING.)
BT1 separation processes
NT1 coprecipitation
NT1 flocculation
RT agglomeration
RT crystallization
RT deposition
RT hydrometallurgy
RT salting-out agents
RT scaling
RT sedimentation
RT solubility
RT supersaturation
RT waste processing

PRECIPITATION HARDENING
BT1 hardening
RT age hardening

PRECIPITATION SCAVENGING
BT1 separation processes
RT washout

precipitations (atmospheric)
Use atmospheric precipitations

PRECIPITINS
BT1 antibodies

precision
Use accuracy

PRECOMPOUND-NUCLEUS EMISSION
(Emission of a few high-energy nucleons resulting from direct processes before establishment of the statistical equilibrium of the compound nucleus.)
UF *preequilibrium nuclear processes*
BT1 nuclear reactions
RT deep inelastic heavy ion reactions
RT evaporation model
RT incomplete fusion reactions
RT quasi-fission

PRECURSOR
RT biosynthesis
RT earthquakes
RT metabolism
RT nucleic acids
RT rock bursts

precursors (delayed neutron)
Use delayed neutron precursors

precursors (delayed neutrons)
Use delayed neutron precursors

precursors (delayed proton)
Use delayed proton precursors

precursors (delayed protons)
Use delayed proton precursors

PREDATOR-PREY INTERACTIONS
INIS: May 1992; ETDE: Mar 1979
RT behavior
RT ecology
RT ecosystems
RT food chains
RT population dynamics
RT symbiosis

prediction
Use forecasting

PREDICTION EQUATIONS
BT1 equations

PREDISSOCIATION
BT1 dissociation

PREDNISOLONE
*BT1 glucocorticoids

PREDNISONE
*BT1 glucocorticoids

preequilibrium nuclear processes
Use precompound-nucleus emission

PREFABRICATED BUILDINGS
INIS: Apr 2000; ETDE: Jan 1982
UF *manufactured buildings*
UF *metal buildings*
BT1 buildings
RT mobile homes

preferred orientation
Use grain orientation

PREFERRED SPECIES
INIS: Jul 1986; ETDE: Apr 1976
(Species particularly suited for revegetation of reclaimed land.)
BT1 plants
RT gramineae
RT land reclamation
RT revegetation
RT shrubs
RT trees

PREGNANCY
RT abortion
RT embryos
RT fetuses
RT gynecology
RT hpl
RT life cycle
RT parturition
RT placenta
RT prenatal exposure
RT prenatal irradiation
RT progesterone
RT reproduction

RT reproductive disorders
RT uterus

pregnanediol
Use hydroxy compounds
AND pregnanes

PREGNANES
UF+ *pregnanediol*
UF+ *pregnanetriol*
*BT1 steroids
NT1 corticosteroids
NT2 glucocorticoids
NT3 corticosterone
NT3 cortisone
NT3 dexamethasone
NT3 hydrocortisone
NT3 prednisolone
NT3 prednisone
NT2 mineralocorticoids
NT3 aldosterone
NT1 hydroxypregnenone
NT1 progesterone

pregnanetriol
Use hydroxy compounds
AND pregnanes

pregnenolone
Use hydroxypregnenone

preheating
Use heat treatments

PRENATAL EXPOSURE
INIS: Apr 1986; ETDE: May 1980
(For prenatal exposure to radiation use PRENATAL IRRADIATION.)
NT1 prenatal irradiation
RT biological effects
RT biological stress
RT fetuses
RT pregnancy
RT toxicity

PRENATAL IRRADIATION
UF *in utero irradiation*
BT1 irradiation
BT1 prenatal exposure
RT embryos
RT fetuses
RT perinatal irradiation
RT pregnancy

PRENFLO PROCESS
INIS: Apr 2000; ETDE: May 1989
(Pressurized entrained flow gasification process derived from Koppers-Totzek atmospheric pressure process.)
*BT1 coal gasification

PREONS
INIS: Jul 1984; ETDE: Aug 1984
(Postulated particles which are constituents of both quarks and leptons.)
*BT1 postulated particles
RT color model
RT composite models
RT leptons
RT quarks

preparation (chemical)
Use chemical preparation

preparation (sample)
Use sample preparation

PRESENT WORTH METHOD
RT cost
RT fuel cycle
RT power reactors

PRESERVATION
NT1 radiopreservation
NT2 radurization
RT bacterial spores
RT cultural objects
RT disinfestation
RT food
RT food processing
RT fumigants
RT grain disinfestation
RT ifip
RT inactivation
RT organoleptic properties
RT pasteurization
RT preservatives
RT sterilization
RT wholesomeness

PRESERVATIVES
INIS: Jul 1993; ETDE: Dec 1975
RT additives
RT creosote
RT dioxin
RT preservation

PRESSES
RT extrusion
RT forging
RT machine tools
RT pressing
RT tools

PRESSING
*BT1 materials working
NT1 cold pressing
NT1 hot pressing
RT compacting
RT dies
RT extrusion
RT forging
RT presses

pressure (1-10 atm)
Use pressure range kilo pa

pressure (1-10 bar)
Use pressure range kilo pa

pressure (1-10 milli bar)
Use pressure range pa

pressure (10-100 atm)
Use pressure range mega pa 01-10

pressure (10-100 bar)
Use pressure range mega pa 01-10

pressure (10-1000 milli bar)
Use pressure range kilo pa

pressure (100-1000 atm)
Use pressure range mega pa 10-100

pressure (1000-10000 atm)
Use pressure range mega pa 100-1000

pressure (10000 atm and above)
Use pressure range giga pa

pressure (7.5 - 7.5x10(3) torr)
Use pressure range kilo pa

pressure (7.5x10(-3) - 7.5 torr)
Use pressure range pa

pressure (critical)
Use critical pressure

pressure (plasma)
Use plasma pressure

pressure (radiation)
Use radiation pressure

pressure (vapor)
Use vapor pressure

PRESSURE COEFFICIENT
BT1 reactivity coefficients

PRESSURE CONTROL
INIS: Apr 1986; ETDE: Jan 1975
BT1 control
RT pressure measurement
RT pressure regulators
RT pressure release
RT pressure suppression
RT pressure vessels

PRESSURE DEPENDENCE
(Combine with the relevant descriptor from the PRESSURE RANGE word block.)
UF *pressure effects*
RT pressure drop
RT pressure range

PRESSURE DROP
RT flow rate
RT fluid flow
RT pressure dependence
RT pressure gradients

pressure effects
Use pressure dependence

PRESSURE GAGES
UF *gages (pressure)*
UF *manometers*
BT1 measuring instruments
NT1 barometers
NT1 hot-wire gages
NT2 pirani gages
NT1 vacuum gages
NT2 ionization gages
NT3 bayard-alpert gages
NT3 philips gages
NT3 radioactive ionization gages
NT2 knudsen gages
NT2 pirani gages
RT bellows
RT pressure measurement

PRESSURE GRADIENTS
RT onsager relations
RT pressure drop
RT pressure measurement
RT pressurization

pressure groups
Use interest groups

pressure maintenance
Use pressurization

PRESSURE MEASUREMENT
NT1 piezometry
RT atmospheric pressure
RT geobarometry
RT pressure control
RT pressure gages
RT pressure gradients

PRESSURE RANGE
Nov 2003
NT1 pressure range below 1 nano pa
NT1 pressure range giga pa
NT1 pressure range kilo pa
NT1 pressure range mega pa
NT2 pressure range mega pa 01-10
NT2 pressure range mega pa 10-100
NT2 pressure range mega pa 100-1000
NT1 pressure range micro pa

NT1 pressure range milli pa
NT1 pressure range nano pa
NT1 pressure range pa
RT pressure dependence
RT vacuum pumps

PRESSURE RANGE BELOW 1 NANO PA

Nov 2003
(From 0 to 10 exp -9 pascal; prior to November 2003 ULTRAHIGH VACUUM was used for this pressure range.)
UF *vacuum (below 1 nano pa)*
UF *vacuum (below 7.5x10(-12) torr)*
SF *ultrahigh vacuum*
BT1 pressure range

PRESSURE RANGE GIGA PA

Nov 2003
(From 10 exp 9 to 10 exp 12 pascal; prior to November 2003 VERY HIGH PRESSURE was used for this pressure range.)
UF *pressure (10000 atm and above)*
SF *very high pressure*
BT1 pressure range

PRESSURE RANGE KILO PA

Nov 2003
(From 10 exp 3 to 10 exp 6 pascal; prior to November 2003 MEDIUM PRESSURE or LOW PRESSURE was used for this pressure range.)
UF *pressure (1-10 atm)*
UF *pressure (1-10 bar)*
UF *pressure (10-1000 milli bar)*
UF *pressure (7.5 - 7.5x10(3) torr)*
UF *vacuum (7.5 - 7.5x10(3) torr)*
SF *low pressure*
SF *medium pressure*
SF *rough vacuum*
SF *vacuum (rough)*
BT1 pressure range

PRESSURE RANGE MEGA PA

Nov 2003
(From 10 exp 6 to 10 exp 9 pascal.)
BT1 pressure range
NT1 pressure range mega pa 01-10
NT1 pressure range mega pa 10-100
NT1 pressure range mega pa 100-1000

PRESSURE RANGE MEGA PA 01-10

Nov 2003
(Prior to November 2003 MEDIUM PRESSURE was used for this pressure range.)
UF *pressure (10-100 atm)*
UF *pressure (10-100 bar)*
SF *medium pressure*
*BT1 pressure range mega pa

PRESSURE RANGE MEGA PA 10-100

Nov 2003
(Prior to November 2003 HIGH PRESSURE was used for this pressure range.)
UF *high pressure*
UF *pressure (100-1000 atm)*
*BT1 pressure range mega pa

PRESSURE RANGE MEGA PA 100-1000

Nov 2003
(Prior to November 2003 VERY HIGH PRESSURE was used for this pressure range.)
UF *pressure (1000-10000 atm)*
SF *very high pressure*
*BT1 pressure range mega pa

PRESSURE RANGE MICRO PA

Nov 2003
(From 10 exp -6 to 10 exp -3 pascal; prior to November 2003 HIGH VACUUM was used for this pressure range.)
UF *vacuum (1-1000 micro pa)*
UF *vacuum (7.5x10(-9) - 7.5x10(-6) torr)*
SF *high vacuum*
SF *ultrahigh vacuum*
BT1 pressure range

PRESSURE RANGE MILLI PA

Nov 2003
(From 10 exp -3 to 1 pascal; prior to November 2003 MEDIUM VACUUM or HIGH VACUUM was used for this pressure range.)
UF *vacuum (1-1000 milli pa)*
UF *vacuum (7.5x10(-6) - 7.5x10(-3) torr)*
SF *high vacuum*
SF *medium vacuum*
SF *very low pressure*
BT1 pressure range

PRESSURE RANGE NANO PA

Nov 2003
(From 10 exp -9 to 10 exp -6 pascal; prior to November 2003 ULTRAHIGH VACUUM was used for this pressure range.)
UF *vacuum (1-1000 nano pa)*
UF *vacuum (7.5x10(-12) - 7.5x10(-9) torr)*
SF *ultrahigh vacuum*
BT1 pressure range

PRESSURE RANGE PA

Nov 2003
(From 1 to 1000 pascal; prior to November 2003 LOW PRESSURE or MEDIUM VACUUM was used for this pressure range.)
UF *pressure (1-10 milli bar)*
UF *pressure (7.5x10(-3) - 7.5 torr)*
UF *vacuum (1-1000 pa)*
UF *vacuum (7.5x10(-3) - 7.5 torr)*
SF *low pressure*
SF *medium vacuum*
SF *rough vacuum*
SF *vacuum (rough)*
SF *very low pressure*
BT1 pressure range

PRESSURE REGULATORS

*BT1 control equipment
RT pressure control

PRESSURE RELEASE

RT hazards
RT pressure control
RT reactor safety
RT safety engineering

PRESSURE SUPPRESSION

(The suppression of pressure within a containment by some technique such as a water spray.)
RT condensation chambers
RT containment spray systems
RT pressure control
RT pressure vessels
RT reactor accidents
RT reactor safety

PRESSURE TUBE REACTORS

*BT1 power reactors
NT1 atucha reactor
NT1 atucha-2 reactor
NT1 candu type reactors
NT2 bruce-1 reactor
NT2 bruce-2 reactor
NT2 bruce-3 reactor
NT2 bruce-4 reactor
NT2 bruce-5 reactor
NT2 bruce-6 reactor
NT2 bruce-7 reactor
NT2 bruce-8 reactor
NT2 cernavoda-1 reactor
NT2 cordoba reactor
NT2 darlington-1 reactor
NT2 darlington-2 reactor
NT2 darlington-3 reactor
NT2 darlington-4 reactor
NT2 douglas point ontario reactor
NT2 embalse reactor
NT2 gentilly reactor
NT2 gentilly-2 reactor
NT2 kaiga-1 reactor
NT2 kaiga-2 reactor
NT2 kakrapar-1 reactor
NT2 kakrapar-2 reactor
NT2 kanupp reactor
NT2 npd reactor
NT2 pickering-1 reactor
NT2 pickering-2 reactor
NT2 pickering-3 reactor
NT2 pickering-4 reactor
NT2 pickering-5 reactor
NT2 pickering-6 reactor
NT2 pickering-7 reactor
NT2 pickering-8 reactor
NT2 point lepreau-1 reactor
NT2 point lepreau-2 reactor
NT2 qinshan-3-1 reactor
NT2 qinshan-3-2 reactor
NT2 rajasthan-1 reactor
NT2 rajasthan-2 reactor
NT2 rajasthan-3 reactor
NT2 rajasthan-4 reactor
NT2 wolsung-1 reactor
NT2 wolsung-2 reactor
NT2 wolsung-3 reactor
NT2 wolsung-4 reactor
NT1 cirene reactor
NT1 cvtr reactor
NT1 el-4 reactor
NT1 jatr reactor
NT1 kalpakkam-1 reactor
NT1 kalpakkam-2 reactor
NT1 lucens reactor
NT1 niederaichbach reactor
NT1 prtr reactor
NT1 sghwr reactor

PRESSURE TUBES

BT1 tubes
RT borescopes
RT calandrias
RT reactor cooling systems

PRESSURE VESSELS

UF *vessels (pressure)*
BT1 containers
RT autoclaves
RT depressurization
RT depressurization systems
RT pipe fittings
RT pressure control
RT pressure suppression

PRESSURIZATION

INIS: Dec 1984; ETDE: Jul 1976
(Prior to November 1990 this material was indexed to PRESSURIZING in ETDE.)
UF *pressure maintenance*
UF *pressurizing*
UF *repressuring*
RT compression
RT depressurization
RT fluid injection
RT pressure gradients

RT pressurizers
RT transients

pressurized heavy water cooled/moderated reactor
Use phwr type reactors

pressurized subcritical experiment savannah
Use pse reactor

pressurized water cooled moderated reactor
Use pwr type reactors

pressurized water reactors
Use pwr type reactors

PRESSURIZERS
RT compressors
RT pressurization
RT reactor cooling systems

pressurizing
Use pressurization

PRESTRESSED CONCRETE
*BT1 composite materials
*BT1 concretes

prevention of marine pollution, 1972 london convention on
Use lcpmpdpw

prevention of significant deterioration
See air pollution abatement
OR land pollution abatement
OR water pollution abatement

PREVENTIVE MEDICINE
UF *prophylaxis*
BT1 medicine
RT accidents
RT environment
RT epidemiology
RT health hazards
RT immunity
RT inspection
RT medical examinations
RT medical surveillance
RT public health
RT radiation protection

PRICE-ANDERSON ACT
INIS: Apr 1978; ETDE: Oct 1976
BT1 laws
RT civil liability
RT legal aspects
RT nuclear insurance
RT nuclear liability

PRICES
INIS: Feb 1992; ETDE: Dec 1974
(Prior to June 1979 CHARGES was used for this concept in ETDE. From April 1978 till March 1997 RATE STRUCTURE was a valid descriptor.)
UF *rate structure*
NT1 incremental-cost pricing
NT1 marginal-cost pricing
NT1 peak-load pricing
NT1 retail prices
NT1 rolled-in pricing
NT1 time-of-use pricing
NT1 wellhead prices
NT1 wholesale prices
RT charges
RT cost
RT economic elasticity
RT energy expenses
RT entitlements program
RT fuel adjustment mechanisms
RT income
RT pricing regulations
RT retailers
RT spot market

PRICING REGULATIONS
INIS: Feb 1992; ETDE: Nov 1979
*BT1 regulations
RT deregulation
RT economic policy
RT prices
RT us natural gas policy act

prigogine-balescu theory
Use prigogine theorem

PRIGOGINE THEOREM
UF *balescu theory*
UF *prigogine-balescu theory*
UF *van hove-prigogine theory*
RT irreversible processes

PRIMAKOFF EFFECT
*BT1 photoproduction
RT pions neutral

PRIMAKOFF THEORY
RT fermi interactions

PRIMARY BATTERIES
INIS: Apr 2000; ETDE: May 1976
RT electric batteries
RT electrochemical cells

PRIMARY COOLANT CIRCUITS
*BT1 reactor cooling systems
NT1 coolant cleanup systems
RT electromagnetic filters

PRIMARY COSMIC RADIATION
*BT1 cosmic radiation
NT1 cosmic alpha particles
NT1 cosmic gamma bursts
NT1 cosmic nuclei
NT1 cosmic x-ray bursts
RT cosmic gamma sources
RT cosmic ray sources

PRIMARY RECOVERY
INIS: Apr 2000; ETDE: Feb 1979
UF *natural depletion*
SF *recovery*
RT natural gas
RT petroleum

PRIMARY-SECONDARY HYBRID BATTERIES
INIS: Apr 2000; ETDE: Feb 1975
(Hybrid systems consisting of a primary battery and a rechargeable battery.)
*BT1 electric batteries

PRIMATES
*BT1 mammals
NT1 apes
NT1 man
NT2 children
NT3 infants
NT2 elderly people
NT2 men
NT2 women
NT1 monkeys
NT2 baboons
NT2 macacus

PRIMENE
*BT1 amines

PRINCE EDWARD ISLAND
INIS: Feb 1979; ETDE: Jul 1980
*BT1 canada
BT1 islands
RT atlantic ocean

princeton beta experiment
Use pbx devices

PRINCETON CYCLOTRON
*BT1 isochronous cyclotrons

princeton large torus
Use plt devices

PRINCETON SYNCHROTRON
*BT1 synchrotrons

PRINTED CIRCUITS
BT1 electronic circuits
RT microelectronic circuits

PRINTING AND PUBLISHING INDUSTRY
INIS: May 1999; ETDE: Dec 1979
BT1 industry
RT paper industry
RT wood products industry

PRIPET RIVER
INIS: May 1992; ETDE: Sep 1992
UF *pripyat river*
*BT1 rivers
RT chernobylsk-4 reactor
RT dnieper river
RT ukraine

pripyat river
Use pripet river

PRISM PLOT
INIS: Sep 1975; ETDE: Oct 1977
(Phase-space plot of a three-particle final state.)
*BT1 scatterplots
RT linear momentum
RT phase space
RT resonance particles

PRISMATIC CONFIGURATION
BT1 configuration
RT plates
RT slabs

PRISMS
INIS: Jan 1977; ETDE: Feb 1976
RT geometry
RT shape

PRIVACY ACT
INIS: Apr 2000; ETDE: Oct 1976
(The U.S. Privacy Act of 1974.)
BT1 laws
RT documentation
RT information

private law
Use laws

PRNC-L-77 REACTOR
(University of Puerto Rico, College Station, Mayaguez, Puerto Rico, USA)
UF *l-77 puerto rico reactor*
UF *mayaguez puerto rico l-77 reactor*
UF *puerto rico nuclear center l-77 reactor*
*BT1 aqueous homogeneous reactors
*BT1 enriched uranium reactors
*BT1 research reactors
*BT1 training reactors

PROBABILISTIC ESTIMATION

INIS: Apr 1986; ETDE: Jan 1983
(Analytical technique for assessment of unknown quantities and the uncertainty associated with the estimates of those quantities.)
RT fault tree analysis
RT forecasting
RT probability
RT resource assessment
RT risk assessment
RT safety analysis
RT statistics

PROBABILITY

RT chaos theory
RT ergodic hypothesis
RT expectation value
RT fuzzy logic
RT game theory
RT maximum-likelihood fit
RT monte carlo method
RT probabilistic estimation
RT risk assessment
RT statistics

PROBES

UF *sondes*
NT1 deuteron probes
NT1 electric probes
NT2 langmuir probe
NT2 plasma eaters
NT1 electron probes
NT1 electrostatic probes
NT1 ion probes
NT1 magnetic probes
NT1 muon probes
NT1 neutron probes
NT1 proton probes
NT1 sonic probes
RT measuring instruments
RT well logging equipment

PROCA EQUATIONS

*BT1 partial differential equations
RT quantum mechanics

PROCAINE

UF *novocaine*
*BT1 anesthetics

PROCEEDINGS

(Use only for items about proceedings, not for items which are proceedings.)
BT1 document types
RT meetings

PROCESS COMPUTERS

INIS: Jul 1976; ETDE: May 1979
(Computers - usually digital - used for the control of technical processes.)
BT1 computers
RT on-line control systems
RT reactor control systems
RT real time systems

PROCESS CONTROL

INIS: Feb 1992; ETDE: Dec 1975
BT1 control
RT ore processing
RT processing
RT reprocessing
RT waste processing

process development pile

Use pdp reactor

PROCESS DEVELOPMENT UNITS

INIS: Apr 1984; ETDE: Jan 1977
UF *pdu*
BT1 functional models
RT bench-scale experiments
RT demonstration plants
RT field tests
RT pilot plants

PROCESS HEAT

INIS: Aug 1978; ETDE: Sep 1975
(Heat for industrial processes.)
UF *heat (process)*
*BT1 heat
NT1 geothermal process heat
NT1 solar process heat
RT dual-purpose power plants
RT process heat reactors
RT retorting

PROCESS HEAT REACTORS

BT1 reactors
NT1 agesta reactor
NT1 midland-1 reactor
NT1 midland-2 reactor
NT1 nhr-5 reactor
NT1 pm-2a reactor
NT1 ser reactor
NT1 sl-1 reactor
NT1 slowpoke-wnre reactor
NT1 sm-1a reactor
NT1 snap 10 reactor
NT2 s10fs-1 reactor
NT2 s10fs-3 reactor
NT2 s10fs-4 reactor
NT1 snap-tsf reactor
NT1 thermos reactor
RT power reactors
RT process heat

PROCESS SOLUTIONS

INIS: Apr 1992; ETDE: Apr 1978
UF *plating solutions*
*BT1 solutions

processes (adiabatic)

Use adiabatic processes

processes (isentropic)

Use isentropic processes

processes (isothermal)

Use isothermal processes

PROCESSING

(Use of one of the more specific terms listed below is recommended.)
NT1 coprocessing
NT1 data processing
NT2 distributed data processing
NT2 memory management
NT2 spectra unfolding
NT2 task scheduling
NT1 food processing
NT2 pasteurization
NT3 radicidation
NT2 radappertization
NT2 radurization
NT1 image processing
NT1 in-situ processing
NT2 in-situ combustion
NT2 in-situ gasification
NT2 in-situ liquefaction
NT2 in-situ retorting
NT2 solution mining
NT1 odorization
NT1 ore processing
NT2 ore enrichment
NT2 retorting
NT3 in-situ retorting
NT1 refining
NT2 electrorefining
NT2 gulf hds process
NT2 zone refining
NT1 waste processing
NT2 activated sludge process
NT2 composting
NT2 fluidized bed refuse gasification
NT2 landgard pyrolysis system
NT2 lime-soda sinter process
NT2 materials recovery
NT2 molten salt waste gasification process
NT2 occidental flash pyrolysis process
NT2 purox pyrolysis process
NT2 radioactive waste processing
NT3 harvest process
NT2 slagging pyrolysis process
NT2 steam stripping
NT2 syngas process
NT2 unisulf process
NT2 wet oxidation processes
RT process control

processing (data)

Use data processing

processing (food)

Use food processing

processing (images)

Use image processing

processing (ores)

Use ore processing

processing (wastes)

Use waste processing

PROCTITIS

*BT1 digestive system diseases
RT rectum

PROCUREMENT

INIS: May 1992; ETDE: Apr 1976
BT1 business
RT accounting
RT cost
RT cost overruns
RT debt collection
RT goods and services
RT proposals
RT time delay

PRODUCER GAS

INIS: Apr 2000; ETDE: Jan 1975
(Gas manufactured by the action of air and steam on coke or coal. 130 to 140 btu per cubic foot.)
*BT1 low btu gas

producer price index

Use wholesale prices

PRODUCT LABELING

INIS: Apr 2000; ETDE: Mar 1979
RT advertising
RT consumer protection

PRODUCTION

(Limited to industrial production; see also PARTICLE PRODUCTION.)
UF *output*
RT availability
RT capacity
RT computer-aided manufacturing
RT fabrication
RT gross domestic product
RT gross national product
RT isotope production
RT manufacturing
RT planning
RT productivity

production (beam)
Use beam production

production (hydrogen)
Use hydrogen production

production (isotope)
Use isotope production

production (pair)
Use pair production

production (particle)
Use particle production

production (plasma)
Use plasma production

production capacity
Use capacity

PRODUCTION LOGGING
INIS: Apr 2000; ETDE: Jan 1977
(Logging run inside tubing to measure production rate of oil or natural gas wells. Instrumentation may be flowmeters, gradiomanometer, densitometer, watercutmeter, thermometer, radioactive tracer tool, caliper, casing-collar locator, or fluid sampler.)
BT1 well logging

production mechanisms
Use particle production

production mechanisms (particle)
Use particle production

PRODUCTION REACTORS
(For the production of fissile materials only; see also IRRADIATION REACTORS.)
BT1 reactors
NT1 plutonium production reactors
NT2 calder hall a-1 reactor
NT2 calder hall a-2 reactor
NT2 calder hall b-3 reactor
NT2 calder hall b-4 reactor
NT2 chapelcross-1 reactor
NT2 chapelcross-2 reactor
NT2 chapelcross-3 reactor
NT2 chapelcross-4 reactor
NT2 g-1 reactor
NT2 g-2 reactor
NT2 g-3 reactor
NT2 hanford production reactors
NT2 n-reactor
NT2 windscale production reactors
NT1 rtr reactor
NT1 special production reactors
NT2 c reactor
NT2 k reactor
NT2 l reactor
NT2 p reactor
NT2 r reactor
NT1 sr-305 reactor

production risers
Use marine risers

production tax
Use severance tax

PRODUCTIVITY
UF *yield (biological)*
RT efficiency
RT feasibility studies
RT gas yields
RT oil yields
RT performance
RT plant breeding
RT production
RT yields

productivity factor
Use formation damage

professional personnel
See architects
OR engineers
OR personnel
OR scientific personnel

professions
Use occupations

PROFITS
INIS: Apr 1992; ETDE: Jan 1975
UF *margins*
RT economics
RT income
RT royalties
RT windfall profits tax

PROFLAVINE
*BT1 flavines
BT1 mutagens
RT acriflavine

PROGENY
UF *offsprings*
RT animal breeding
RT children
RT fertility
RT litter size
RT parturition
RT plant breeding
RT reproduction
RT sex ratio

PROGESTERONE
UF *progestin*
*BT1 ketones
*BT1 pregnanes
*BT1 steroid hormones
RT hydroxypregnenone
RT lth
RT ovaries
RT pregnancy

progestin
Use progesterone

PROGNOZ SATELLITES
BT1 satellites

PROGRAM MANAGEMENT
INIS: Feb 1992; ETDE: May 1992
(From February to May 1992, this concept was indexed to USDOE PROGRAM MANAGEMENT in ETDE.)
UF *financial management*
UF *project management*
UF+ *us doe program management*
BT1 management
NT1 contract management
RT demonstration programs
RT property management
RT research programs

PROGRAMMING
(Limited to computer programming. See also PLANNING.)
UF *computer programming*
NT1 data-flow processing
NT1 dynamic programming
NT1 linear programming
NT1 nonlinear programming
NT1 parallel processing
NT1 vector processing
RT artificial intelligence
RT computer codes
RT computer program documentation
RT computers
RT executive codes
RT expert systems
RT fault tolerant computers
RT knowledge base
RT memory management
RT programming languages
RT translators

PROGRAMMING LANGUAGES
(Natural language as well as specific languages listed below as UF terms have been valid ETDE descriptors.)
UF *computer languages*
UF *forth*
UF *languages (programming)*
UF *mimic*
UF *natural language*
UF *pl-11 language*
UF *speakeasy*
NT1 ada
NT1 algol
NT1 basic
NT1 cobol
NT1 fortran
NT1 java
NT1 lisp
NT1 pascal
NT1 pl-1 language
NT1 prolog
RT computer codes
RT computer program documentation
RT programming
RT translators

PROGRESS REPORT
INIS: Sep 1987; ETDE: Oct 1987
(Use only in conjunction with the literary indicator Y for indexing progress reports.)
BT1 document types

prohibition of nuclear weapons (latin american treaty)
Use tlatelolco treaty

PROHIBITION ORDERS
INIS: Apr 2000; ETDE: Aug 1980
BT1 administrative procedures

project anvil
Use anvil project

project apollo
Use apollo project

project bedrock
Use bedrock project

project buffalo
Use nuclear explosions

project castle
Use castle project

project crossroads
Use crossroads project

project dominic
Use dominic project

project greenhouse
Use greenhouse project

project hardtack
Use hardtack project

PROJECT INDEPENDENCE
INIS: Apr 2000; ETDE: Feb 1975
*BT1 energy policy

project independence evaluation system
Use pies

project ivy
Use nuclear explosions

project jangle
Use nuclear explosions

project management
Use program management

project plowshare
Use plowshare project

project plumbbob
Use plumbbob project

project redwing
Use redwing project

project salt vault
Use salt vault project

project sunshine
Use sunshine project

project thunderbird
Use thunderbird project

project upshot
Use upshot project

project vela
Use vela project

PROJECTILES
RT armor
RT earth penetrators
RT guns
RT nuclear weapons
RT rockets

PROJECTION OPERATORS
(A mathematical operator for projecting a quantity, e.g., angular momentum, on a given coordinate.)
BT1 mathematical operators
RT aligned coupling scheme
RT quantum mechanics
RT wave functions

PROJECTION SERIES
INIS: Jul 1994; ETDE: Aug 1980
BT1 energy models
BT1 forecasting
RT mathematical models

PROJECTION SPARK CHAMBERS
(Charged-particle detectors that provide particle identification through ionization loss sampling as well as three-dimensional particle trajectory measurement.)
*BT1 spark chambers
RT drift chambers
RT fermilab collider detector
RT multiwire proportional chambers
RT time projection chambers

projection welding
Use resistance welding

projectors (scanning)
Use scanning measuring projectors

prolactin
Use lth

PROLIFERATION
INIS: Feb 1978; ETDE: Aug 1977
(From May 1987 till March 1997 TERRORISM was a valid ETDE descriptor.)
UF *non-proliferation*
UF *nonproliferation*
UF *nuclear weapons proliferation*
SF *terrorism*
RT denatured fuel
RT fuel cycle
RT non-proliferation policy
RT non-proliferation treaty
RT nuclear deterrence
RT nuclear materials possession
RT nuclear weapons dismantlement
RT safeguards

proliferation (cell)
Use cell proliferation

proliferation resistant molten salt/metal extraction
Use reprocessing

PROLINE
UF *2-pyrrolidinecarboxylic acid*
*BT1 amino acids
*BT1 heterocyclic acids
*BT1 pyrrolidines
RT collagen
RT hydroxyproline

PROLOG
INIS: Apr 1989; ETDE: Dec 1985
BT1 programming languages

promazine
Use tranquilizers

promethazine
Use antihistaminics

PROMETHIUM
UF *illinium*
*BT1 rare earths

PROMETHIUM 130
INIS: Jul 1985; ETDE: Aug 1985
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PROMETHIUM 131
INIS: Oct 1998; ETDE: Nov 1998
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PROMETHIUM 132
INIS: Jun 1977; ETDE: Oct 1977
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PROMETHIUM 133
INIS: Jun 1977; ETDE: Oct 1977
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PROMETHIUM 134
INIS: Apr 1977; ETDE: Jun 1977
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PROMETHIUM 135
INIS: Jan 1976; ETDE: Mar 1976
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PROMETHIUM 136
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei

PROMETHIUM 137
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei

PROMETHIUM 138
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei

PROMETHIUM 139
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei

PROMETHIUM 140
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PROMETHIUM 141
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei

PROMETHIUM 142
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PROMETHIUM 143
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei
BT1 promethium isotopes

*BT1 rare earth nuclei

PROMETHIUM 144
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei
*BT1 years living radioisotopes

PROMETHIUM 145
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 internal conversion radioisotopes
*BT1 odd-even nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei
*BT1 years living radioisotopes

PROMETHIUM 145 TARGET
INIS: Sep 1992; ETDE: Apr 1986
BT1 targets

PROMETHIUM 146
*BT1 beta-minus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei
*BT1 years living radioisotopes

PROMETHIUM 147
*BT1 beta-minus decay radioisotopes
*BT1 odd-even nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei
*BT1 years living radioisotopes

PROMETHIUM 147 TARGET
INIS: May 1984; ETDE: Jan 1980
BT1 targets

PROMETHIUM 148
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei

PROMETHIUM 149
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 odd-even nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei

PROMETHIUM 149 TARGET
INIS: Mar 1976; ETDE: Jul 1976
BT1 targets

PROMETHIUM 150
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei

PROMETHIUM 151
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 odd-even nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei

PROMETHIUM 152
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei

PROMETHIUM 153
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei

PROMETHIUM 154
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei

PROMETHIUM 155
INIS: Apr 1982; ETDE: Sep 1981
*BT1 beta-minus decay radioisotopes
*BT1 odd-even nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PROMETHIUM 156
INIS: Oct 1986; ETDE: Nov 1986
*BT1 beta-minus decay radioisotopes
*BT1 odd-odd nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PROMETHIUM 157
INIS: Aug 1987; ETDE: Oct 1987
*BT1 beta-minus decay radioisotopes
*BT1 odd-even nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PROMETHIUM 158
INIS: Aug 1987; ETDE: Oct 1987
*BT1 beta-minus decay radioisotopes
*BT1 odd-odd nuclei
BT1 promethium isotopes
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes

PROMETHIUM ADDITIONS
(Alloys containing not more than 1% Pm are listed here.)
*BT1 rare earth additions

promethium alloys
Use rare earth alloys

promethium bromides
Use bromides
AND promethium compounds

PROMETHIUM CHLORIDES
*BT1 chlorides
*BT1 promethium compounds

PROMETHIUM COMPLEXES
*BT1 rare earth complexes

PROMETHIUM COMPOUNDS
UF+ *promethium bromides*
UF+ *promethium iodides*
UF+ *promethium phosphates*
BT1 rare earth compounds
NT1 promethium chlorides
NT1 promethium fluorides
NT1 promethium hydroxides
NT1 promethium nitrates
NT1 promethium oxides

PROMETHIUM FLUORIDES
*BT1 fluorides
*BT1 promethium compounds

PROMETHIUM HYDROXIDES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 hydroxides
*BT1 promethium compounds

promethium iodides
Use iodides
AND promethium compounds

PROMETHIUM IONS
*BT1 ions

PROMETHIUM ISOTOPES
NT1 promethium 130
NT1 promethium 131
NT1 promethium 132
NT1 promethium 133
NT1 promethium 134
NT1 promethium 135
NT1 promethium 136
NT1 promethium 137
NT1 promethium 138
NT1 promethium 139
NT1 promethium 140
NT1 promethium 141
NT1 promethium 142
NT1 promethium 143
NT1 promethium 144
NT1 promethium 145
NT1 promethium 146
NT1 promethium 147
NT1 promethium 148
NT1 promethium 149
NT1 promethium 150
NT1 promethium 151
NT1 promethium 152
NT1 promethium 153
NT1 promethium 154
NT1 promethium 155
NT1 promethium 156
NT1 promethium 157
NT1 promethium 158

PROMETHIUM NITRATES
*BT1 nitrates
*BT1 promethium compounds

PROMETHIUM OXIDES
*BT1 oxides
*BT1 promethium compounds

promethium phosphates
Use phosphates
AND promethium compounds

promex process
Use reprocessing

prominences (solar)
Use solar prominences

PROMOTERS
NT1 tumor promoters
RT catalysts

PROMPT ELECTRONS
*BT1 electrons

PROMPT GAMMA RADIATION
UF+ *pige analysis*
*BT1 gamma radiation
RT nuclear reactions
RT photons

PROMPT NEUTRONS
*BT1 fission neutrons
RT fission spectra
RT watt fission spectrum

PROMPT PROTONS
*BT1 protons

prongs
Use particle tracks

PRONY METHOD
INIS: Apr 2000; ETDE: Oct 1979
(Means of obtaining parametric characterization of experimental data by fitting with sum of complex exponentials.)
BT1 mathematics
BT1 parametric analysis
RT data analysis
RT data processing
RT least square fit
RT numerical analysis

proof test facility united nuclear corporation
Use ptf-unc reactor

propadiene
Use allene

propagation (wave)
Use wave propagation

PROPAGATOR
RT feynman path integral
RT quantum field theory

PROPANE
*BT1 alkanes

propanol (1-)
Use propanols

PROPANOLS
UF *1-propanol*
UF *2-propanol*
UF *propanol (1-)*
UF *propyl alcohols*
*BT1 alcohols

propanone
Use acetone

PROPARGYL RADICALS
*BT1 alkyl radicals

propellants
See explosives
OR fuels

propenal
Use acrolein

propene
Use propylene

PROPER MOTION
(Motion of a star with relation to the celestial sphere.)
BT1 motion
RT stars

properdin
Use complement
AND serine proteinases

properties (chemical)
Use chemical properties

properties (mechanical)
Use mechanical properties

properties (physical)
Use physical properties

property insurance
Use insurance

PROPERTY MANAGEMENT
INIS: Jul 1992; ETDE: Mar 1983
BT1 management
RT program management
RT resource management

PROPERTY RIGHTS
INIS: Jul 1986; ETDE: Dec 1978
RT legal aspects
RT licenses
RT ownership
RT site approvals
RT water rights

property tax exemption
Use financial incentives

PROPERTY VALUES
INIS: Feb 1993; ETDE: Feb 1978
RT economics
RT investment
RT socio-economic factors

prophase
Use mitosis

prophylaxis
Use preventive medicine

propine
Use propyne

PROPIOLONITRILE
INIS: Apr 2000; ETDE: Jan 1975
UF *cyanoacetylene*
*BT1 nitriles

PROPIONIC ACID
*BT1 monocarboxylic acids

PROPORTIONAL COUNTERS
*BT1 radiation detectors
NT1 bf3 counters
NT1 boron lined counters
NT1 he-3 counters
NT1 liquid proportional counters
NT1 multiwire proportional chambers
NT2 drift chambers
NT3 time projection chambers
NT1 needle chambers
RT avalanche quenching
RT corona counters
RT flow counters
RT gas scintillation detectors
RT proton recoil detectors
RT wall effects
RT wall-less counters

PROPOSALS
INIS: May 1984; ETDE: May 1983
(From June 1978 until March 1996 BIDS was a valid ETDE descriptor.)
UF *bids*
UF *unsolicited proposals*
RT contracts
RT procurement

PROPOSED REMEDIAL ORDERS
INIS: Apr 2000; ETDE: Dec 1979
BT1 administrative procedures

PROPPING AGENTS
INIS: Apr 2000; ETDE: Jan 1977
(Materials, generally sand or other rock material, used to prop the artificial crevices formed when underground formations are fractured.)
RT borehole linking
RT natural gas wells
RT well completion

PROPRIETARY INFORMATION
INIS: Apr 2000; ETDE: Mar 1983
BT1 information
RT information dissemination

PROPULSION
NT1 ion propulsion
NT1 solar electric propulsion
RT ion thrusters
RT propulsion reactors
RT propulsion systems
RT thrusters
RT transport

PROPULSION REACTORS
SF *710 reactor*
*BT1 power reactors
NT1 aircraft propulsion reactors
NT2 xma-1 reactor
NT1 ship propulsion reactors
NT2 efdr-50 reactor
NT2 lenin reactor
NT2 leonid brezhnev reactor
NT2 mutsu reactor
NT2 otto hahn reactor
NT2 savannah reactor
NT2 sibir reactor
NT1 space propulsion reactors
NT2 kiwi reactors
NT3 kiwi-tnt reactor
NT2 nerva reactor
NT2 nrx-a1 reactor
NT2 nrx-a2 reactor
NT2 nrx-a3 reactor
NT2 nrx-a4-est reactor
NT2 nrx-a5 reactor
NT2 nrx-a6 reactor
NT2 nrx-a7 reactor
NT2 pewee-1 reactor
NT2 pewee-2 reactor
NT2 pewee-3 reactor
NT2 pewee-4 reactor
NT2 phoebus-1a reactor
NT2 phoebus-1b reactor
NT2 phoebus-2a reactor
NT2 rover reactors
NT2 twmr reactor
NT2 xe-2 reactor
NT1 tory-2a reactor
NT1 tory-2c reactor
NT1 xe-prime reactor
RT propulsion
RT propulsion systems
RT zpr-9 reactor

PROPULSION SYSTEMS
INIS: Jan 1986; ETDE: Oct 1981
RT aircraft
RT ion thrusters
RT missiles
RT propulsion
RT propulsion reactors
RT rockets
RT thrusters
RT vehicles

propyl alcohols
Use propanols

PROPYL RADICALS
*BT1 alkyl radicals

PROPYLENE
UF *propene*
*BT1 alkenes
RT polypropylene

propylene carbonate
Use carbonic acid esters

PROPYNE
UF *methylacetylene*
UF *propine*
*BT1 alkynes

PROSPECTING
NT1 aerial prospecting
RT exploration
RT geochemical surveys
RT geologic surveys
RT geophysical surveys

PROSTAGLANDINS
RT hormones
RT prostate

PROSTATE
*BT1 glands
*BT1 male genitals
RT prostaglandins

PROSTHESES
BT1 medical supplies
NT1 mechanical heart
RT artificial organs
RT cardiac pacemakers
RT surgical materials

PROTACTINIUM
*BT1 actinides

PROTACTINIUM 212
INIS: Apr 2000; ETDE: Oct 1997
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 protactinium isotopes

PROTACTINIUM 213
INIS: May 1995; ETDE: Jun 1995
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 protactinium isotopes

PROTACTINIUM 214
INIS: May 1995; ETDE: Jun 1995
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 protactinium isotopes

PROTACTINIUM 215
INIS: Sep 1979; ETDE: Oct 1979
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 protactinium isotopes

PROTACTINIUM 216
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 protactinium isotopes

PROTACTINIUM 217
INIS: Sep 1977; ETDE: Jan 1975
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 protactinium isotopes

PROTACTINIUM 218
INIS: Sep 1977; ETDE: Nov 1977
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 microseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 protactinium isotopes

PROTACTINIUM 219
INIS: Dec 1986; ETDE: Feb 1987
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 nanoseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 protactinium isotopes

PROTACTINIUM 220
INIS: Nov 1984; ETDE: Nov 1984
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 nanoseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 protactinium isotopes

PROTACTINIUM 221
INIS: Nov 1984; ETDE: Nov 1984
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 microseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 protactinium isotopes

PROTACTINIUM 222
INIS: Mar 1977; ETDE: Dec 1976
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 protactinium isotopes

PROTACTINIUM 223
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 protactinium isotopes

PROTACTINIUM 224
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 protactinium isotopes

PROTACTINIUM 225
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 odd-even nuclei
*BT1 protactinium isotopes
*BT1 seconds living radioisotopes

PROTACTINIUM 226
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 protactinium isotopes

PROTACTINIUM 227
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 protactinium isotopes

PROTACTINIUM 228
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei
*BT1 protactinium isotopes

PROTACTINIUM 229
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei
*BT1 protactinium isotopes

PROTACTINIUM 230
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
*BT1 protactinium isotopes

PROTACTINIUM 231
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 neon 24 decay radioisotopes
*BT1 odd-even nuclei
*BT1 protactinium isotopes
*BT1 years living radioisotopes

PROTACTINIUM 231 TARGET
BT1 targets

PROTACTINIUM 232
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 odd-odd nuclei
*BT1 protactinium isotopes

PROTACTINIUM 232 TARGET
INIS: Nov 1979; ETDE: Nov 1979
BT1 targets

PROTACTINIUM 233
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 odd-even nuclei
*BT1 protactinium isotopes

PROTACTINIUM 233 TARGET
INIS: Jul 1980; ETDE: Aug 1980
BT1 targets

PROTACTINIUM 234
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 protactinium isotopes

PROTACTINIUM 235
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 protactinium isotopes

PROTACTINIUM 236
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 protactinium isotopes

PROTACTINIUM 237
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 protactinium isotopes

PROTACTINIUM 238
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 protactinium isotopes

PROTACTINIUM 239
INIS: Jan 1996; ETDE: Jan 1996
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 odd-even nuclei
*BT1 protactinium isotopes

protactinium additions
Use protactinium alloys

PROTACTINIUM ALLOYS
(Alloys containing more than 1% Pa.)
UF *protactinium additions*
*BT1 actinide alloys

PROTACTINIUM BROMIDES
*BT1 bromides
*BT1 protactinium compounds

protactinium carbides
Use carbides
AND protactinium compounds

PROTACTINIUM CHLORIDES
*BT1 chlorides
*BT1 protactinium compounds

PROTACTINIUM COMPLEXES
*BT1 actinide complexes

PROTACTINIUM COMPOUNDS
UF+ *protactinium carbides*
UF+ *protactinium hydrides*
UF+ *protactinium hydroxides*
UF+ *protactinium iodides*
UF+ *protactinium nitrates*
UF+ *protactinium phosphates*
UF+ *protactinium sulfates*
BT1 actinide compounds
NT1 protactinium bromides
NT1 protactinium chlorides
NT1 protactinium fluorides
NT1 protactinium oxides

PROTACTINIUM FLUORIDES
*BT1 fluorides
*BT1 protactinium compounds

protactinium hydrides
Use hydrides
AND protactinium compounds

protactinium hydroxides
Use hydroxides
AND protactinium compounds

protactinium iodides
Use iodides
AND protactinium compounds

PROTACTINIUM IONS
*BT1 ions

PROTACTINIUM ISOTOPES
BT1 isotopes
NT1 protactinium 212
NT1 protactinium 213
NT1 protactinium 214
NT1 protactinium 215
NT1 protactinium 216
NT1 protactinium 217
NT1 protactinium 218
NT1 protactinium 219
NT1 protactinium 220
NT1 protactinium 221
NT1 protactinium 222
NT1 protactinium 223
NT1 protactinium 224
NT1 protactinium 225
NT1 protactinium 226
NT1 protactinium 227
NT1 protactinium 228
NT1 protactinium 229
NT1 protactinium 230
NT1 protactinium 231
NT1 protactinium 232
NT1 protactinium 233
NT1 protactinium 234
NT1 protactinium 235
NT1 protactinium 236
NT1 protactinium 237
NT1 protactinium 238
NT1 protactinium 239

protactinium nitrates
Use nitrates
AND protactinium compounds

PROTACTINIUM OXIDES
*BT1 oxides
*BT1 protactinium compounds

protactinium phosphates
Use phosphates
AND protactinium compounds

protactinium sulfates
Use protactinium compounds
AND sulfates

PROTAMINES
(Prior to August 1996 SALMIN was a valid ETDE descriptor.)
UF *salmin*
*BT1 coagulants
*BT1 proteins
RT nucleoproteins

protection
Use safety

protection (corrosion)
Use corrosion protection

protection (radiation)
Use radiation protection

protection (safety)
Use safety

protective chemicals
Use response modifying factors

PROTECTIVE CLOTHING
BT1 clothing
NT1 gloves
RT life support systems
RT radiation protection
RT respirators
RT skin absorption

PROTECTIVE COATINGS
BT1 coatings
RT decontamination
RT latex
RT waterproofing

protein-bound iodine
Use pbi

PROTEIN DENATURATION
UF *denaturation (protein)*
RT heat treatments
RT molecular structure
RT ph value
RT protein structure
RT proteins

PROTEIN ENGINEERING
INIS: Sep 1994; ETDE: Apr 1988
(Alteration of the primary structure of a protein to enhance a desired property.)
RT amino acid sequence
RT biochemical reaction kinetics
RT biotechnology
RT genetic engineering
RT polymerase chain reaction
RT structure-activity relationships

protein sequencing
Use amino acid sequence

PROTEIN STRUCTURE
INIS: Dec 1984; ETDE: Dec 1984
RT amino acid sequence
RT amino acids
RT molecular structure
RT post-translation modification
RT protein denaturation
RT proteins
RT structure-activity relationships

PROTEINS
BT1 organic compounds
NT1 actin
NT1 albumins
NT2 luciferin
NT1 blood coagulation factors
NT2 fibrin
NT2 fibrinogen
NT2 kallikrein
NT2 plasminogen
NT2 prothrombin
NT2 thrombin
NT2 thromboplastin
NT2 urokinase
NT1 calmodulin
NT1 casein
NT1 chlorophyll-binding proteins
NT1 complement
NT1 cytochromes
NT1 enzymes
NT2 dna helicases
NT2 gene recombination proteins
NT2 hydrolases
NT3 acid anhydrases
NT4 gtp-ases
NT4 phosphohydrolases
NT5 atp-ase
NT3 esterases
NT4 carboxylesterases
NT5 cholinesterase
NT5 lipases
NT4 phosphatases
NT5 acid phosphatase
NT5 alkaline phosphatase
NT5 nucleotidases
NT4 phosphodiesterases
NT5 nucleases
NT6 dna-ase
NT7 endonucleases
NT6 rna-ase
NT3 glycosyl hydrolases
NT4 o-glycosyl hydrolases
NT5 amylase
NT5 cellulase
NT5 galactosidase
NT5 glucosidase
NT5 glucuronidase
NT5 hyaluronidase
NT5 lysozyme
NT5 xylanase
NT3 non-peptide c-n hydrolases
NT4 amidases
NT5 arginase
NT5 urease

NT4 amidinases
NT3 peptide hydrolases
NT4 acid proteinases
NT5 pepsin
NT4 aminopeptidases
NT4 carboxypeptidases
NT4 nonspecific peptidases
NT5 renin
NT5 urokinase
NT4 serine proteinases
NT5 chymotrypsin
NT5 fibrinolysin
NT5 kallikrein
NT5 thrombin
NT5 trypsin
NT4 sh-proteinases
NT5 cathepsins
NT5 papain
NT5 streptococcal proteinase
NT2 isomerases
NT2 ligases
NT2 lyases
NT3 carbon-carbon lyases
NT4 aldehyde-lyases
NT4 aldolases
NT4 carboxy-lyases
NT5 carboxylase
NT5 decarboxylases
NT5 ribulose diphosphate carboxylase
NT3 carbon-oxygen lyases
NT4 hyaluronidase
NT4 hydro-lyases
NT5 carbonic anhydrase
NT3 cyclases
NT3 dna methylases
NT2 oxidoreductases
NT3 amine oxidases
NT3 aryl 4-monooxygenase
NT3 diaphorase
NT3 hemiacetal dehydrogenases
NT4 alcohol dehydrogenase
NT4 lactate dehydrogenase
NT3 hydrogenases
NT3 hydroxylases
NT4 tyrosinase
NT3 nitro-group dehydrogenases
NT4 nitrogenase
NT3 oxidases
NT4 cytochrome oxidase
NT4 luciferase
NT3 oxygenases
NT4 mixed-function oxidases
NT3 peroxidases
NT4 catalase
NT3 superoxide dismutase
NT2 transferases
NT3 carbon-group transferases
NT4 methyl transferases
NT3 glycosyl transferases
NT4 hexosyl transferases
NT4 pentosyl transferases
NT5 hypoxanthine phosphoribosyltransferase
NT3 nitrogen transferases
NT4 aminotransferases
NT3 phosphorus-group transferases
NT4 nucleotidyltransferases
NT5 polymerases
NT6 dna polymerases
NT6 rna polymerases
NT4 phosphotransferases
NT5 hexokinase
NT1 gelatin
NT1 globins
NT2 hemoglobin
NT3 methemoglobin
NT2 myoglobin
NT1 globulins
NT2 angiotensin
NT2 fibrinogen
NT2 globulins-alpha
NT3 ceruloplasmin
NT3 haptoglobins
NT2 globulins-beta
NT3 transferrin
NT2 globulins-gamma
NT2 immunoglobulins
NT2 lactoferrin
NT2 myosin
NT2 thyroglobulin
NT1 glycoproteins
NT2 avidin
NT2 glucoproteins
NT3 lactoferrin
NT3 ovalbumin
NT2 lh
NT1 growth factors
NT2 lymphokines
NT3 interferon
NT1 heat-shock proteins
NT1 histones
NT1 lipoproteins
NT2 apolipoproteins
NT2 myelin
NT1 membrane proteins
NT2 porins
NT2 receptors
NT2 thylakoid membrane proteins
NT3 phycobiliproteins
NT4 phycocyanin
NT1 metalloproteins
NT2 ceruloplasmin
NT2 ferredoxin
NT2 ferritin
NT2 hemocyanin
NT2 hemosiderin
NT2 lactoferrin
NT2 metallothionein
NT2 rubredoxin
NT2 transferrin
NT1 mucoproteins
NT2 haptoglobins
NT2 intrinsic factor
NT2 phytohemagglutinin
NT1 nucleoproteins
NT1 pbi
NT1 peptide hormones
NT2 calcitonin
NT2 erythropoietin
NT2 gastrin
NT2 glucagon
NT2 insulin
NT2 leptin
NT2 parathormone
NT2 pituitary hormones
NT3 acth
NT3 gonadotropins
NT4 fsh
NT4 hcg
NT4 lh
NT4 lth
NT3 liberins
NT4 lh-rh
NT3 oxytocin
NT3 sth
NT3 tsh
NT3 vasopressin
NT2 secretin
NT2 thyroid hormones
NT3 diiodothyronine
NT3 thyrocalcitonin
NT3 thyroxine
NT3 triiodothyronine
NT2 thyronine
NT2 trh
NT1 peptides
NT2 cyclosporine
NT2 glycylglycine
NT2 polypeptides
NT3 calcitonin
NT3 endorphins
NT4 enkephalins
NT3 endothelins
NT3 gastrin
NT3 glucagon
NT3 glutathione
NT3 kinins
NT4 bradykinin
NT3 leptin
NT1 peptone
NT1 phosphoproteins
NT1 phytochromes
NT2 chlorophyll
NT1 protamines
NT1 rhodopsin
NT1 scleroproteins
NT2 collagen
NT2 fibrin
NT2 glutin
NT2 keratin
NT1 transcription factors
NT1 tropomyosin
NT1 zein
RT amino acid sequence
RT amino acids
RT blood plasma
RT cpb
RT dialysis
RT food
RT microtubules
RT peanuts
RT polyamides
RT post-translation modification
RT protein denaturation
RT protein structure
RT proteolysis
RT single cell protein

proteolipids

Use lipoproteins

PROTEOLYSIS

*BT1 decomposition
NT1 fibrinolysis
RT catabolism
RT clostridium
RT peptide hydrolases
RT post-translation modification
RT proteins

PROTEUS

*BT1 bacteria
RT feces
RT soils

PROTEUS REACTOR

(Eidgenoessiches Institut fuer Reaktorforschung, Wuerlingen, Argovie, Switzerland)
UF *wuerenlingen proteus reactor*
*BT1 enriched uranium reactors
*BT1 graphite moderated reactors
*BT1 research reactors
*BT1 test reactors

PROTHROMBIN

*BT1 blood coagulation factors

protium

Use hydrogen 1

PROTO-CLEO STELLARATORS

*BT1 stellarators
RT cleo stellarator

PROTON-ANTINEUTRON INTERACTIONS
(Prior to February 1995 ANTINEUTRON-DEUTERON INTERACTIONS was a valid ETDE descriptor.)
UF+ *antineutron-deuteron interactions*
*BT1 nucleon-antinucleon interactions

PROTON-ANTIPROTON INTERACTIONS
(From January 1975 till May 1996 antiproton-deuteron interactions was a valid ETDE descriptor.)
UF *antiproton-proton interactions*
UF+ *antiproton-deuteron interactions*
*BT1 nucleon-antinucleon interactions

proton-atom collisions
Use hydrogen ions 1 plus
AND ion-atom collisions

PROTON BEAMS
*BT1 nucleon beams
RT electron cooling
RT proton channeling
RT proton probes
RT protons

proton blocking
Use proton channeling

PROTON CHANNELING
UF *proton blocking*
BT1 channeling
RT proton beams

PROTON COMPUTED TOMOGRAPHY
INIS: Apr 1980; ETDE: Apr 1981
UF *proton scanners (tomography)*
*BT1 computerized tomography
RT biomedical radiography
RT image scanners
RT proton radiography

proton decay (nuclear decay)
Use proton-emission decay

proton decay (particle decay)
Use protons

PROTON DECAY RADIOISOTOPES
INIS: Nov 1984; ETDE: Dec 1984
*BT1 radioisotopes
NT1 arsenic 64
NT1 cesium 113
NT1 cobalt 52
NT1 cobalt 53
NT1 europium 130
NT1 europium 131
NT1 fluorine 14
NT1 germanium 62
NT1 gold 170
NT1 gold 171
NT1 holmium 141
NT1 iodine 109
NT1 lutetium 151
NT1 scandium 39
NT1 selenium 66
NT1 thulium 145
NT1 thulium 146
NT1 thulium 147
RT proton-emission decay

PROTON DENSITY
UF *density (proton)*
RT protons

PROTON DETECTION
*BT1 charged particle detection
RT proton dosimetry
RT recoils

proton-deuteron interactions
Use proton-neutron interactions
AND proton-proton interactions

PROTON DOSIMETRY
BT1 dosimetry
RT proton detection

PROTON-EMISSION DECAY
INIS: Nov 1984; ETDE: Dec 1984
(Emission of protons from ground states of nuclei.)
UF *proton decay (nuclear decay)*
*BT1 nuclear decay
RT proton decay radioisotopes
RT protons

PROTON EXCHANGE MEMBRANE FUEL CELLS
INIS: Apr 2000; ETDE: Sep 1999
UF *polymer electrolyte fuel cells*
*BT1 solid electrolyte fuel cells
RT direct methanol fuel cells
RT regenerative fuel cells

proton halos
Use nuclear halos

proton-induced x-ray emission analysis
Use pixe analysis

proton magnetic resonance spectra
Use nmr spectra
AND protons

PROTON MICROPROBE ANALYSIS
INIS: Apr 1979; ETDE: Sep 1978
BT1 microanalysis
*BT1 nondestructive analysis
RT proton probes

proton-molecule collisions
Use hydrogen ions 1 plus
AND ion-molecule collisions

PROTON-NEUTRON INTERACTIONS
(From February 1975 till May 1996 NEUTRON-DEUTERON INTERACTIONS and PROTON-DEUTERON INTERACTIONS were valid descriptors.)
UF+ *neutron-deuteron interactions*
UF+ *proton-deuteron interactions*
*BT1 proton-nucleon interactions

PROTON-NUCLEON INTERACTIONS
(Prior to April 1986 the coordination of PROTON-NEUTRON INTERACTIONS and PROTON-PROTON INTERACTIONS was used for this concept.)
*BT1 nucleon-nucleon interactions
NT1 proton-neutron interactions
NT1 proton-proton interactions

PROTON PRECESSION MAGNETOMETERS
*BT1 magnetometers

PROTON PRECIPITATION
BT1 charged-particle precipitation
RT aurorae
RT auroral oval
RT midday aurorae
RT polar cusp
RT radiation belts
RT trapped protons

PROTON PROBES
INIS: Apr 1978; ETDE: Sep 1976
BT1 probes
RT ion probes
RT proton beams
RT proton microprobe analysis

proton-proton cycle
Use hydrogen burning

PROTON-PROTON INTERACTIONS
(From February 1975 till May 1996 PROTON-DEUTERON INTERACTIONS was a valid ETDE descriptor.)
UF+ *proton-deuteron interactions*
*BT1 proton-nucleon interactions

PROTON RADIOGRAPHY
INIS: Aug 1976; ETDE: Jul 1975
*BT1 industrial radiography
RT biomedical radiography
RT proton computed tomography

PROTON REACTIONS
UF+ *pige analysis*
*BT1 charged-particle reactions
*BT1 nucleon reactions

PROTON RECOIL DETECTORS
*BT1 neutron detectors
RT proportional counters
RT radiator counters
RT recoils
RT scintillation counters

PROTON SATELLITES
BT1 satellites
RT interkosmos satellites
RT kosmos satellites

proton scanners (tomography)
Use proton computed tomography

PROTON SOURCES
*BT1 particle sources
RT protons

PROTON SPECTRA
BT1 spectra
RT protons

PROTON SPECTROMETERS
*BT1 spectrometers

PROTON TEMPERATURE
UF *temperature (proton)*
RT energy
RT protons

PROTON TRANSPORT
UF *transport (proton)*
*BT1 charged-particle transport

PROTONIUM
*BT1 hadronic atoms
RT antiprotons
RT baryonium
RT muonium
RT positronium
RT protons

PROTONS
UF *proton decay (particle decay)*
UF+ *pmr spectra*
UF+ *proton magnetic resonance spectra*
*BT1 nucleons

NT1 antiprotons
NT1 cosmic protons
NT1 delayed protons
NT1 diprotons
NT1 photoprotons
NT1 prompt protons
NT1 solar protons
NT1 trapped protons
RT hydrogen ions 1 plus
RT proton beams
RT proton density
RT proton sources
RT proton spectra
RT proton temperature
RT proton-emission decay
RT protonium

PROTOPLANETS
RT cosmological models
RT planets
RT solar nebula
RT solar system evolution

protoplasts
Use plant cells

PROTOPORPHYRINS
BT1 pigments
*BT1 porphyrins
RT hemoglobin

PROTOSTARS
RT cosmological models
RT origin
RT star accretion
RT stars

prototype a terre
Use pat reactor

prototype fast reactor dounreay
Use pfr reactor

prototype fast reactor japan
Use monju reactor

prototype large breeder reactor
Use plbr reactor

PROTOZOA
*BT1 invertebrates
BT1 microorganisms
NT1 ciliata
NT2 paramecium
NT2 tetrahymena
NT1 mastigophora
NT2 dinoflagellate
NT2 euglena
NT2 trypanosoma
NT1 sarcodina
NT2 amoeba
NT2 foraminifera
NT1 sporozoa
NT2 babesidae
NT2 plasmodium
RT parasites
RT plankton
RT zooplankton

protracted irradiation
Use chronic irradiation

provincial government
Use state government

PROXIMITY EFFECT
RT superconductivity

PROXIMITY SCATTERING
INIS: Apr 1986; ETDE: Jan 1975
(Mutual scatterings of two outgoing particles from sequential nuclear reactions.)
BT1 scattering
RT final-state interactions
RT nuclear reactions

PRPR REACTOR
UF *mayaguez puerto rico pool reactor*
UF *puerto rico pool type reactor*
*BT1 pool type reactors
*BT1 triga type reactors

PRR-1 REACTOR
(Quezon City, Philippines.)
UF *philippine research reactor-1*
UF *quezon philippine reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors

PRR REACTOR
UF *nda remote experiment station*
UF *pawling research reactor*
UF *platr reactor*
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 tank type reactors
*BT1 thermal reactors

PRTR REACTOR
(Richland, Washington, USA)
UF *plutonium recycle test reactor*
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 pressure tube reactors
*BT1 research reactors

PRUDHOE BAY
INIS: Jan 1992; ETDE: Jun 1977
*BT1 bays
*BT1 beaufort sea
RT alaska

prussian blue
Use ferrocyanides
AND potassium compounds

PS SOLAR CELLS
INIS: Apr 2000; ETDE: Jul 1981
UF *polymer-semiconductor solar cells*
*BT1 solar cells
RT organic solar cells

psd
See air pollution abatement
OR land pollution abatement
OR water pollution abatement

PSE REACTOR
UF *pressurized subcritical experiment savannah*
UF *savannah pressurized subcritical experiment*
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 natural uranium reactors
*BT1 subcritical assemblies
*BT1 tank type reactors
*BT1 thermal reactors

PSEUDOMONAS
*BT1 bacteria

pseudoparticles
Use instantons

PSEUDOSCALAR ANTIMESONS
*BT1 antimesons
*BT1 pseudoscalar mesons
NT1 anti-b neutral mesons
NT1 anti-d neutral mesons

PSEUDOSCALAR MESONS
(Mesons with spin and parity 0-.)
*BT1 mesons
NT1 b c mesons
NT1 b mesons
NT2 b minus mesons
NT2 b neutral mesons
NT3 anti-b neutral mesons
NT2 b plus mesons
NT1 b s mesons
NT1 d mesons
NT2 d minus mesons
NT2 d neutral mesons
NT3 anti-d neutral mesons
NT2 d plus mesons
NT1 d s mesons
NT1 eta c-2980 mesons
NT1 eta mesons
NT1 eta prime-958 mesons
NT1 eta-1295 mesons
NT1 eta-1440 mesons
NT1 k-1460 mesons
NT1 k-1830 mesons
NT1 kaons
NT2 antikaons
NT3 antikaons neutral
NT2 cosmic kaons
NT2 kaons minus
NT2 kaons neutral
NT3 antikaons neutral
NT3 kaons neutral long-lived
NT3 kaons neutral short-lived
NT2 kaons plus
NT1 pi-1300 mesons
NT1 pi-1770 mesons
NT1 pions
NT2 cosmic pions
NT2 pions minus
NT2 pions neutral
NT2 pions plus
NT1 pseudoscalar antimesons
NT2 anti-b neutral mesons
NT2 anti-d neutral mesons
RT meson nonets
RT sigma model

PSEUDOSCALARS
RT scalars

PSEUDOVECTOR COUPLING
BT1 coupling
RT nucleons

pseudovector mesons
Use axial vector mesons

psi-3105 resonances
Use j psi-3097 mesons

PSI-3685 MESONS
(Prior to December 1987 this concept was indexed by PSI-3695 RESONANCES.)
UF *psi-3695 resonances*
*BT1 charmonium
*BT1 vector mesons

psi-3695 resonances
Use psi-3685 mesons

PSI-3770 MESONS
INIS: Jul 1978; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by PSI-3772 RESONANCES.)
UF *psi-3772 resonances*
*BT1 charmonium
*BT1 vector mesons

psi-3772 resonances
Use psi-3770 mesons

psi-4028 resonances
Use psi-4040 mesons

psi-4030 mesons
Use psi-4040 mesons

PSI-4040 MESONS
INIS: Apr 1978; ETDE: Aug 1995
(Until December 1987 this concept was indexed by PSI-4028 RESONANCES; from then until July 1995 it was indexed by PSI-4030 MESONS.)
UF *psi-4028 resonances*
UF *psi-4030 mesons*
*BT1 charmonium
*BT1 vector mesons

psi-4100 resonances
Use psi-4160 mesons

PSI-4160 MESONS
INIS: Sep 1975; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by PSI-4100 RESONANCES.)
UF *psi-4100 resonances*
*BT1 charmonium
*BT1 vector mesons

psi-4300 resonances
Use mesons

psi-4414 resonances
Use psi-4415 mesons

PSI-4415 MESONS
INIS: Apr 1978; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by PSI-4414 RESONANCES.)
UF *psi-4414 resonances*
*BT1 charmonium
*BT1 vector mesons

psi resonances
Use mesons

PSORALEN
*BT1 anticoagulants
*BT1 heterocyclic compounds
*BT1 organic oxygen compounds
RT benzofurans
RT coumarin

PSORIASIS
*BT1 skin diseases
RT skin

psr reactor
Use pstr reactor

PSS METHOD
(Perturbed stationary states method.)
UF *perturbed stationary states method*
RT collisions

PSTR REACTOR
UF *pennsylvania state triga reactor*
UF *pennsylvania state university research reactor*
UF *psr reactor*
UF *triga-pennsylvania reactor*
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors
*BT1 triga type reactors

psychoactive agents
Use psychotropic drugs

psychology
See behavior
OR human factors

psychoses
Use mental disorders

PSYCHOTROPIC DRUGS
UF *psychoactive agents*
*BT1 central nervous system agents
NT1 antidepressants
NT2 cocaine
NT2 imipramine
NT1 hallucinogens
NT2 bufotenine
NT1 tranquilizers
NT2 chlorpromazine
NT2 reserpine
RT analeptics
RT mental disorders

psychrometry
Use hygrometry

PTERIDINES
UF *pterins*
*BT1 azaarenes
NT1 aminopterin
NT1 folic acid
RT pyrazines
RT pyrimidines

pterins
Use pteridines

pteroylglutamic acid
Use folic acid

PTF-UNC REACTOR
UF *proof test facility united nuclear corporation*
UF *united nuclear corporation proof test reactor*
*BT1 zero power reactors

ptfe
Use polytetrafluoroethylene

PTR REACTOR
(Atomic Energy of Canada, Ltd., Chalk River, Ontario, Canada)
UF *chalk river pool test reactor*
UF *pool test reactor chalk river*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors

PUBLIC ANXIETY
INIS: Dec 1991; ETDE: Jan 1992
RT accidents
RT attitudes
RT behavior
RT nuclear facilities
RT sociology

public attitudes
Use public opinion

PUBLIC BUILDINGS
INIS: May 1992; ETDE: Oct 1978
(Government-owned buildings.)
UF *county buildings*
UF *court buildings*
UF *fire stations*
UF *jails*
UF *municipal buildings*
UF *senior centers*
UF *state buildings*
UF *visitor centers*
BT1 buildings
RT government buildings
RT hospitals
RT libraries
RT office buildings
RT school buildings
RT skating rinks

public corporations
Use public enterprises

PUBLIC ENTERPRISES
INIS: Apr 1992; ETDE: Jul 1979
(Government owned enterprises.)
UF *national enterprises*
UF *public corporations*
UF *state enterprises*
RT government policies
RT ownership

PUBLIC HEALTH
UF *health (public)*
RT health hazards
RT human populations
RT medical establishments
RT preventive medicine
RT quarantine
RT radiation protection
RT water reclamation

PUBLIC INFORMATION
INIS: Dec 1976; ETDE: Dec 1979
(Until April 1994 this concept was indexed to PUBLIC RELATIONS.)
BT1 information
RT declassification
RT information dissemination
RT public relations

PUBLIC LANDS
INIS: Jul 1986; ETDE: Feb 1975
(Lands not owned by private persons, corporations, etc.)
SF *parks*
NT1 everglades national park
NT1 natural bridges national monument
NT1 yellowstone national park
RT land resources
RT recreational areas

PUBLIC LAW
INIS: Feb 1999; ETDE: Jan 1992
(Body of rules governing state action and relationship with citizens.)
BT1 laws

PUBLIC OFFICIALS
INIS: Sep 1985; ETDE: Nov 1979
BT1 personnel
NT1 state officials
RT government policies
RT local government
RT national government
RT political aspects
RT state government

PUBLIC OPINION
INIS: Jan 1978; ETDE: Jul 1977
UF *attitudes of the public*
UF *public attitudes*
UF+ *nuclear controversy*
SF *surveys*
RT aesthetics
RT attitudes
RT ethical aspects
RT political aspects
RT public relations

PUBLIC POLICY
INIS: Dec 1976; ETDE: May 1979
(Body of rules governing State action and relationship with citizens. Until March 1992, this concept was indexed by PUBLIC LAW.)
RT government policies
RT institutional factors
RT laws
RT legal aspects
RT legislation
RT political aspects
RT regulations

PUBLIC RELATIONS
UF *nuclear contestation*
RT advertising
RT aesthetics
RT consumer protection
RT hazards
RT management
RT public information
RT public opinion
RT safety analysis
RT sociology

public service newbold island-1 reactor
Use newbold island-1 reactor

public service newbold island-2 reactor
Use newbold island-2 reactor

public transportation systems
Use transportation systems

PUBLIC UTILITIES
INIS: Jan 1976; ETDE: Feb 1975
(A business organization performing some public service and subject to special government regulation.)
SF *utilities*
NT1 electric utilities
NT1 gas utilities
NT1 water utilities
RT afudc
RT cwip
RT electric power
RT fuel adjustment mechanisms
RT fuel gas
RT ieus
RT marginal-cost pricing
RT mius
RT natural gas
RT off-peak power
RT peak-load pricing
RT sellback
RT telephones
RT us public utility regulatory policies act
RT water supply

public utility regulatory policies act
Use us public utility regulatory policies act

PUERTO RICO
*BT1 greater antilles
BT1 latin america
*BT1 usa

puerto rico bonus reactor
Use bonus reactor

puerto rico nuclear center l-77 reactor
Use prnc-l-77 reactor

puerto rico pool type reactor
Use prpr reactor

PUGET SOUND
INIS: Jun 1992; ETDE: Apr 1976
*BT1 pacific ocean
RT washington

puget sound naval shipyard
Use maintenance facilities
AND ships

pullman washington state university reactor
Use wsur reactor

pulmonary cancer
Use carcinomas

pulmonary lavage
Use lavage
AND lungs

pulps
Use slurries

pulsar concept
Use magnetic compression
AND pulse generators

PULSARS
BT1 cosmic radio sources
RT crab nebula
RT magnetic stars
RT neutron stars
RT starquakes
RT supernova remnants

PULSATING VARIABLE STARS
INIS: Nov 1978; ETDE: Dec 1978
*BT1 variable stars
NT1 cepheids

PULSATIONS
UF *micropulsations*
UF *pearl pulsations*
RT disturbances
RT oscillations
RT periodicity
RT pulses
RT variations

PULSATOR DEVICES
INIS: Apr 2000; ETDE: Apr 1975
*BT1 tokamak devices

pulsator stellarator
Use stellarators

PULSE AMPLIFIERS
*BT1 amplifiers
RT cathode followers
RT pulse circuits
RT pulse techniques

PULSE ANALYZERS
UF *analyzers (pulse)*
UF *kicksorters*
*BT1 electronic equipment
NT1 multi-channel analyzers
RT pulse circuits
RT pulse discriminators
RT pulse techniques
RT spectrometers

PULSE CIRCUITS
BT1 electronic circuits
NT1 multivibrators
NT2 flip-flop circuits
NT1 pulse discriminators
NT1 signal conditioners
NT2 digitizers
NT3 cathode ray tube digitizers
NT3 flying spot digitizers
NT3 scanning measuring projectors
NT3 spiral reader digitizers
NT2 pulse shapers
NT1 trigger circuits
NT2 transistor trigger circuits
RT coincidence circuits
RT counting circuits
RT pulse amplifiers
RT pulse analyzers
RT pulse generators
RT pulse techniques
RT transistor oscillators

pulse columns
Use extraction columns

PULSE COMBUSTION
INIS: Mar 1993; ETDE: Aug 1980
*BT1 combustion
RT burners
RT combustion chambers
RT combustion control
RT pulse combustors

PULSE COMBUSTORS
INIS: Apr 2000; ETDE: Aug 1980
BT1 combustors
RT burners
RT combustion chambers
RT combustion control
RT pulse combustion

PULSE CONVERTERS
UF *converters (pulse)*
*BT1 electronic equipment
NT1 current-to-frequency converters
NT1 time-to-amplitude converters
RT pulse techniques

PULSE DISCRIMINATORS
*BT1 discriminators
*BT1 pulse circuits
RT pulse analyzers

PULSE GENERATORS
UF *generators (pulse)*
UF+ *pulsar concept*
*BT1 function generators
NT1 high-voltage pulse generators
NT2 marx generators
RT blocking oscillators
RT frequency converters
RT multivibrators
RT plasma switches
RT pulse circuits
RT pulse shapers
RT pulse techniques

PULSE INTEGRATORS
UF *integrators (pulse)*
*BT1 electronic equipment
RT counting ratemeters
RT pulse techniques

PULSE PILEUP
RT time resolution
RT timing properties

PULSE RISE TIME
UF *rise time*
BT1 timing properties
RT peaks
RT pulses
RT time measurement

PULSE SHAPERS
UF *clipping circuits*
UF *pulse stretchers*
*BT1 signal conditioners
RT pulse generators
RT signal conditioning

pulse stretchers
Use pulse shapers

PULSE TECHNIQUES
RT counting circuits
RT counting ratemeters
RT counting techniques
RT counting tubes
RT delay circuits
RT electronic equipment
RT oscillators
RT plasma switches
RT pulse amplifiers
RT pulse analyzers
RT pulse circuits
RT pulse converters
RT pulse generators
RT pulse integrators
RT pulses
RT radiation detection
RT radiation detectors
RT resonators
RT scalers

pulsed beam deflectors
Use beam pulsers

PULSED D-T REACTORS
*BT1 d-t reactors
*BT1 pulsed fusion reactors
NT1 reference theta pinch reactor

PULSED FUSION REACTORS
BT1 thermonuclear reactors
NT1 pulsed d-t reactors
NT2 reference theta pinch reactor
RT direct drive laser implosion
RT indirect drive laser implosion
RT laser implosions

pulsed graphite reactor
Use igr reactor

PULSED IRRADIATION
BT1 irradiation
RT beam pulsers
RT dose rates
RT temporal dose distributions

PULSED MAGNET COILS
*BT1 magnet coils

PULSED MHD GENERATORS
INIS: Apr 1993; ETDE: May 1977
(MHD generators driven by explosives, shock tubes, plasma jets, etc.)
UF *explosively-driven mhd generators*
*BT1 mhd generators

PULSED NEUTRON TECHNIQUES
RT neutron beams
RT neutron guides
RT pulses

PULSED REACTORS
UF *burst reactors*
BT1 reactors
NT1 acpr reactor
NT1 aprf reactor
NT1 atpr reactor
NT1 bigr reactor
NT1 bir reactor
NT1 fbrf reactor
NT1 fir-1 reactor
NT1 hector reactor
NT1 hprr reactor
NT1 ibr-2 reactor
NT1 ibr-30 reactor
NT1 igr reactor
NT1 kalpakkam pfr reactor
NT1 nsrr reactor
NT1 ostr reactor
NT1 pbf reactor
NT1 sora reactor
NT1 spr-2 reactor
NT1 spr-3 reactor
NT1 spr-4 reactor
NT1 super kukla reactor
NT1 tibr reactor
NT1 triga-1-california reactor
NT1 triga-1-michigan reactor
NT1 triga-2-bangladesh reactor
NT1 triga-2-illinois reactor
NT1 triga-2-kansas reactor
NT1 triga-2-mainz reactor
NT1 triga-2-pavia reactor
NT1 triga-2-pitesti reactor
NT1 triga-3-munich reactor
NT1 triga-texas reactor
NT1 ucbrr reactor
NT1 viper reactor
NT1 wsur reactor
NT1 xapr reactor
RT reactivity insertions

PULSES
(Not for edible seeds of leguminous crops.)
UF *electric pulses*
UF *impulse*
UF *impulse (pulses)*
NT1 electromagnetic pulses
NT2 internal electromagnetic pulses
RT beam pulsers
RT electrocardiograms
RT pulsations
RT pulse rise time
RT pulse techniques
RT pulsed neutron techniques
RT signals
RT surges

PULSTAR-BUFFALO REACTOR
UF *buffalo pulstar reactor*
UF *buspr reactor*
UF *western new york nuclear research reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors

PULSTAR-RALEIGH REACTOR
(North Carolina State University, Department of Nuclear Engineering, Raleigh, North Carolina, USA)
UF *ncuspr reactor*
UF *north carolina pulstar reactor*
UF *raleigh pulstar reactor*
*BT1 pool type reactors
*BT1 research reactors

pulverization
Use comminution

pulverized fuel ash
Use fly ash

PULVERIZED FUELS
INIS: Apr 1992; ETDE: Apr 1985
RT coal fines
RT powders
RT solid fuels

PULVERIZERS
INIS: Apr 1992; ETDE: Aug 1978
*BT1 machinery
RT comminution
RT crushing
RT fuel feeding systems

pumice
See abrasives
OR rhyolites

PUMP TURBINES
INIS: Feb 1992; ETDE: Jan 1980
(Reversible hydraulic turbines.)
UF *reversible turbines*
UF *turbine pumps*
*BT1 hydraulic turbines
RT pumped storage
RT pumped storage power plants

PUMPED LIMITERS
INIS: Jul 1986; ETDE: Oct 1985
BT1 limiters
RT helium ash

PUMPED STORAGE
INIS: Dec 1982; ETDE: Jan 1975
*BT1 energy storage
RT hydroelectric power plants
RT off-peak energy storage
RT pump turbines
RT pumped storage power plants
RT pumping

PUMPED STORAGE POWER PLANTS
INIS: Oct 1992; ETDE: May 1976
*BT1 hydroelectric power plants
*BT1 peaking power plants
RT hydroelectric power
RT pump turbines
RT pumped storage
RT water reservoirs

pumpherston retort
Use retorts

PUMPING
INIS: Jan 1993; ETDE: Feb 1975
SF *laser pumping*
NT1 electrical pumping
NT2 electron beam pumping
NT1 nuclear pumping
NT1 optical pumping
RT circulating systems
RT drawdown
RT materials handling
RT pumped storage
RT pumps
RT self-pumping systems

pumping (electrical)
Use electrical pumping

pumping (laser)
Use optical pumping

pumping (nuclear)
Use nuclear pumping

PUMPS
UF *hydraulic rams*
BT1 equipment
NT1 centrifugal pumps
NT1 electromagnetic pumps
NT1 rod pumps
NT1 vacuum pumps
NT2 cryopumps
NT2 sputter-ion pumps
NT2 turbomolecular pumps
NT1 water pumps
NT2 solar water pumps
NT1 wind-powered pumps
RT automotive accessories
RT bellows
RT blowers
RT circulating systems

RT compressors
RT heat pumps
RT pumping
RT reactor components
RT reactor cooling systems
RT self-pumping systems
RT turbomachinery

punched cards
Use memory devices

PUNCHED TAPES
RT memory devices

PUPAE
RT age groups
RT insects
RT life cycle
RT metamorphosis

purasiv s process
Use desulfurization

PUREX PROCESS
(Prior to 1996 HALEX PROCESS and SALTEX PROCESS were valid ETDE descriptors.)
UF *halex process*
UF *saltex process*
*BT1 reprocessing
RT solvent extraction

PURIFICATION
NT1 hot gas cleanup
RT cleaning
RT coolant cleanup systems
RT crystallization
RT deashing
RT decontamination
RT enrichment
RT impurities
RT refining
RT scrubbing
RT separation processes

PURINES
*BT1 azaarenes
NT1 adenines
NT2 kinetin
NT1 guanine
NT1 guanosine
NT1 hypoxanthine
NT1 inosine
NT1 mercaptopurine
NT1 xanthines
NT2 caffeine
NT2 theobromine
NT2 theophylline
NT2 uric acid
RT nucleosides

PURISOL PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process for removal of acid gases from syngas and natural gas streams using physical absorption in n-methylpyrrolidone (nmp).)
*BT1 desulfurization

purity
Use impurities

purnima-1 reactor
Use purnima reactor

PURNIMA-2 REACTOR
INIS: Oct 1981; ETDE: Nov 1981
*BT1 fast reactors
*BT1 zero power reactors

PURNIMA-3 REACTOR
INIS: Mar 1993; ETDE: Apr 1993
(Bhabha Atomic Research Center, Bombay, India)
*BT1 research and test reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

PURNIMA REACTOR
UF *purnima-1 reactor*
*BT1 fast reactors
*BT1 zero power reactors

PUROMYCIN
*BT1 antibiotics
*BT1 antineoplastic drugs

PUROX PYROLYSIS PROCESS
INIS: Apr 2000; ETDE: Nov 1975
(Union carbide process for pyrolysis of solid wastes using pure oxygen to supply high temperature zone for production of low btu gas that can be upgraded to high btu gas.)
UF *union carbide waste processing system*
*BT1 waste processing
RT pyrolysis
RT solid wastes
RT waste processing plants

purpa
Use us public utility regulatory policies act

PURPURA
*BT1 hemic diseases

purpuric acid
Use dyes
AND organic oxygen compounds
AND pyrimidines

pusan kori-1 reactor
Use kori-1 reactor

pusan kori-2 reactor
Use kori-2 reactor

pusan kori-3 reactor
Use kori-3 reactor

pusan kori-4 reactor
Use kori-4 reactor

PUSPATI
INIS: Dec 1984; ETDE: Dec 1984
UF *tun ismail atomic research center*
UF *unit tenaga nuklear (malaysia)*
*BT1 malaysian organizations

puspati triga reactor
Use rtp reactor

PUTRESCINE
UF *1,4-diaminobutane*
UF *tetramethylenediamine*
*BT1 amines

PVA
UF *polyvinyl alcohol*
*BT1 alcohols
*BT1 polyvinyls

PVC
UF *polyvinyl chloride*
*BT1 chlorinated aliphatic hydrocarbons
*BT1 polyvinyls

pvd
Use physical vapor deposition

PVP
UF *polyvinylpyrrolidone*
*BT1 blood substitutes
*BT1 polyvinyls
*BT1 pyrrolidones

pwba
Use born approximation

PWR TYPE REACTORS
UF *pressurized water cooled moderated reactor*
UF *pressurized water reactors*
SF *enrico fermi reactor*
*BT1 enriched uranium reactors
*BT1 power reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors
NT1 aguirre reactor
NT1 almaraz-1 reactor
NT1 almaraz-2 reactor
NT1 angra-1 reactor
NT1 angra-2 reactor
NT1 angra-3 reactor
NT1 ardennes b-1 reactor
NT1 ardennes reactor
NT1 arkansas-1 reactor
NT1 arkansas-2 reactor
NT1 asco-1 reactor
NT1 asco-2 reactor
NT1 atlantic-1 reactor
NT1 atlantic-2 reactor
NT1 basf-1 reactor
NT1 basf-2 reactor
NT1 beaver valley-1 reactor
NT1 beaver valley-2 reactor
NT1 bellefonte-1 reactor
NT1 bellefonte-2 reactor
NT1 belleville sur loire-1 reactor
NT1 belleville sur loire-2 reactor
NT1 beznau-1 reactor
NT1 beznau-2 reactor
NT1 biblis-1 reactor
NT1 biblis-2 reactor
NT1 biblis-3 reactor
NT1 biblis-4 reactor
NT1 blayais-1 reactor
NT1 blue hills-1 reactor
NT1 blue hills-2 reactor
NT1 borssele reactor
NT1 br-3 reactor
NT1 braidwood-1 reactor
NT1 braidwood-2 reactor
NT1 brokdorf reactor
NT1 bugey-2 reactor
NT1 bugey-3 reactor
NT1 bugey-4 reactor
NT1 bugey-5 reactor
NT1 bw standard reactor
NT1 byron-1 reactor
NT1 byron-2 reactor
NT1 calhoun-1 reactor
NT1 calhoun-2 reactor
NT1 callaway-1 reactor
NT1 callaway-2 reactor
NT1 calvert cliffs-1 reactor
NT1 calvert cliffs-2 reactor
NT1 catawba-1 reactor
NT1 catawba-2 reactor
NT1 cattenom-1 reactor
NT1 cattenom-2 reactor
NT1 cattenom-3 reactor
NT1 cattenom-4 reactor
NT1 ce standard reactor
NT1 cherokee-1 reactor
NT1 cherokee-2 reactor
NT1 cherokee-3 reactor
NT1 chinon-b1 reactor

NT1 comanche peak-1 reactor
NT1 comanche peak-2 reactor
NT1 connecticut yankee reactor
NT1 cook-1 reactor
NT1 cook-2 reactor
NT1 cruas-2 reactor
NT1 cruas-3 reactor
NT1 cruas-4 reactor
NT1 crystal river-3 reactor
NT1 crystal river-4 reactor
NT1 dampierre-1 reactor
NT1 dampierre-2 reactor
NT1 dampierre-3 reactor
NT1 dampierre-4 reactor
NT1 davis besse-1 reactor
NT1 davis besse-2 reactor
NT1 davis besse-3 reactor
NT1 daya bay-1 reactor
NT1 daya bay-2 reactor
NT1 diablo canyon-1 reactor
NT1 diablo canyon-2 reactor
NT1 doel-1 reactor
NT1 doel-2 reactor
NT1 doel-3 reactor
NT1 doel-4 reactor
NT1 efdr-50 reactor
NT1 emsland reactor
NT1 erie-1 reactor
NT1 erie-2 reactor
NT1 farley-1 reactor
NT1 farley-2 reactor
NT1 fessenheim-1 reactor
NT1 flamanville-1 reactor
NT1 flamanville-2 reactor
NT1 forked river-1 reactor
NT1 genkai-1 reactor
NT1 genkai-2 reactor
NT1 genkai-3 reactor
NT1 genkai-4 reactor
NT1 ginna-1 reactor
NT1 goesgen reactor
NT1 golfech-1 reactor
NT1 golfech-2 reactor
NT1 grafenrheinfeld reactor
NT1 gravelines-b1 reactor
NT1 gravelines-c6 reactor
NT1 greene county reactor
NT1 greenwood-2 reactor
NT1 greenwood-3 reactor
NT1 grohnde reactor
NT1 hamm-uentrop reactor
NT1 harris-1 reactor
NT1 harris-2 reactor
NT1 harris-3 reactor
NT1 harris-4 reactor
NT1 haven-1 reactor
NT2 koshkonong-1 reactor
NT1 haven-2 reactor
NT2 koshkonong-2 reactor
NT1 ikata reactor
NT1 ikata-2 reactor
NT1 ikata-3 reactor
NT1 indian point-1 reactor
NT1 indian point-2 reactor
NT1 indian point-3 reactor
NT1 iran-1 reactor
NT1 iran-2 reactor
NT1 isar-2 reactor
NT1 jamesport-1 reactor
NT1 jamesport-2 reactor
NT1 kewaunee reactor
NT1 koeberg-1 reactor
NT1 koeberg-2 reactor
NT1 kori-1 reactor
NT1 kori-2 reactor
NT1 kori-3 reactor
NT1 kori-4 reactor
NT1 krsko reactor
NT1 lemoniz-1 reactor
NT1 lemoniz-2 reactor
NT1 lenin reactor
NT1 leonid brezhnev reactor
NT1 lingao-1 reactor
NT1 lingao-2 reactor
NT1 loft reactor
NT1 lucie-1 reactor
NT1 lucie-2 reactor
NT1 maanshan-1 reactor
NT1 maine yankee reactor
NT1 malibu-1 reactor
NT1 marble hill-1 reactor
NT1 marble hill-2 reactor
NT1 mc guire-1 reactor
NT1 mc guire-2 reactor
NT1 mh-1a reactor
NT1 midland-1 reactor
NT1 midland-2 reactor
NT1 mihama-1 reactor
NT1 mihama-2 reactor
NT1 mihama-3 reactor
NT1 millstone-2 reactor
NT1 millstone-3 reactor
NT1 muelheim-kaerlich reactor
NT1 mutsu reactor
NT1 neckar-1 reactor
NT1 neckar-2 reactor
NT1 nep-1 reactor
NT1 nep-2 reactor
NT1 neupotz-1 reactor
NT1 neupotz-2 reactor
NT1 nogent sur seine-1 reactor
NT1 nogent sur seine-2 reactor
NT1 north anna-1 reactor
NT1 north anna-2 reactor
NT1 north anna-3 reactor
NT1 north anna-4 reactor
NT1 north coast-1 reactor
NT1 obrigheim reactor
NT1 oconee-1 reactor
NT1 oconee-2 reactor
NT1 oconee-3 reactor
NT1 oi-1 reactor
NT1 oi-2 reactor
NT1 oi-3 reactor
NT1 oi-4 reactor
NT1 oktemberyan-2 reactor
NT1 otto hahn reactor
NT1 palisades-1 reactor
NT1 palo verde-1 reactor
NT1 palo verde-2 reactor
NT1 palo verde-3 reactor
NT1 palo verde-4 reactor
NT1 palo verde-5 reactor
NT1 paluel-1 reactor
NT1 paluel-2 reactor
NT1 paluel-3 reactor
NT1 paluel-4 reactor
NT1 pat reactor
NT1 pebble springs-1 reactor
NT1 pebble springs-2 reactor
NT1 penly-1 reactor
NT1 perkins-1 reactor
NT1 perkins-2 reactor
NT1 perkins-3 reactor
NT1 philippsburg-2 reactor
NT1 pilgrim-2 reactor
NT1 pilgrim-3 reactor
NT1 pm-2a reactor
NT1 pm-3a reactor
NT1 pnpp-1 reactor
NT1 point beach-1 reactor
NT1 point beach-2 reactor
NT1 prairie island-1 reactor
NT1 prairie island-2 reactor
NT1 qinshan-1 reactor
NT1 qinshan-2-1 reactor
NT1 qinshan-2-2 reactor
NT1 quanicassee-1 reactor
NT1 quanicassee-2 reactor
NT1 rancho seco-1 reactor
NT1 remerschen reactor
NT1 rheinsberg akw1 reactor
NT1 ringhals-2 reactor
NT1 ringhals-3 reactor
NT1 ringhals-4 reactor
NT1 robinson-2 reactor
NT1 rooppur reactor
NT1 rowe yankee reactor
NT1 s1c prototype reactor
NT1 saint alban-1 reactor
NT1 saint alban-2 reactor
NT1 saint laurent-b1 reactor
NT1 salem-1 reactor
NT1 salem-2 reactor
NT1 san onofre-1 reactor
NT1 san onofre-2 reactor
NT1 san onofre-3 reactor
NT1 savannah reactor
NT1 saxton reactor
NT1 seabrook-1 reactor
NT1 seabrook-2 reactor
NT1 selni reactor
NT1 sendai-1 reactor
NT1 sendai-2 reactor
NT1 sequoyah-1 reactor
NT1 sequoyah-2 reactor
NT1 shippingport reactor
NT1 sizewell-b reactor
NT1 sm-1 reactor
NT1 sm-1a reactor
NT1 south texas project-1 reactor
NT1 south texas project-2 reactor
NT1 stade reactor
NT1 sterling-1 reactor
NT1 sterling-2 reactor
NT1 summer-1 reactor
NT1 sundesert-1 reactor
NT1 sundesert-2 reactor
NT1 surry-1 reactor
NT1 surry-2 reactor
NT1 surry-3 reactor
NT1 surry-4 reactor
NT1 takahama-1 reactor
NT1 takahama-2 reactor
NT1 takahama-3 reactor
NT1 takahama-4 reactor
NT1 three mile island-1 reactor
NT1 three mile island-2 reactor
NT1 tihange reactor
NT1 tihange-2 reactor
NT1 tihange-3 reactor
NT1 tomari-1 reactor
NT1 tomari-2 reactor
NT1 tricastin-1 reactor
NT1 tricastin-4 reactor
NT1 trillo-1 reactor
NT1 trojan reactor
NT1 tsuruga-2 reactor
NT1 turkey point-3 reactor
NT1 turkey point-4 reactor
NT1 tva-1 reactor
NT1 tva-2 reactor
NT1 tyrone-1 reactor
NT1 tyrone-2 reactor
NT1 ulchin-1 reactor
NT1 ulchin-2 reactor
NT1 ulchin-3 reactor
NT1 ulchin-4 reactor
NT1 unterweser reactor
NT1 vahnum-1 reactor
NT1 vahnum-2 reactor
NT1 vandellos-2 reactor
NT1 vogtle-1 reactor
NT1 vogtle-2 reactor
NT1 vogtle-3 reactor
NT1 vogtle-4 reactor
NT1 waterford-3 reactor

NT1 waterford-4 reactor
NT1 watts bar-1 reactor
NT1 watts bar-2 reactor
NT1 westinghouse standard reactor
NT1 wnp-1 reactor
NT1 wnp-3 reactor
NT1 wnp-4 reactor
NT1 wnp-5 reactor
NT1 wolf creek-1 reactor
NT1 wup-3 reactor
NT1 wup-4 reactor
NT1 wup-5 reactor
NT1 wup-6 reactor
NT1 wwer type reactors
NT2 armenian-1 reactor
NT2 armenian-2 reactor
NT2 balakovo-1 reactor
NT2 balakovo-2 reactor
NT2 balakovo-3 reactor
NT2 balakovo-4 reactor
NT2 blahutovice-1 reactor
NT2 bohunice v-1 reactor
NT2 bohunice v-2 reactor
NT2 dukovany-1 reactor
NT2 dukovany-2 reactor
NT2 dukovany-3 reactor
NT2 dukovany-4 reactor
NT2 greifswald-1 reactor
NT2 greifswald-2 reactor
NT2 greifswald-3 reactor
NT2 greifswald-4 reactor
NT2 greifswald-5 reactor
NT2 greifswald-6 reactor
NT2 juragua-1 reactor
NT2 kalinin-1 reactor
NT2 kalinin-3 reactor
NT2 kecerovce-1 reactor
NT2 khmelnitskij-1 reactor
NT2 kola-1 reactor
NT2 kola-2 reactor
NT2 kola-3 reactor
NT2 kola-4 reactor
NT2 kozloduy-1 reactor
NT2 kozloduy-2 reactor
NT2 kozloduy-3 reactor
NT2 kozloduy-4 reactor
NT2 kozloduy-5 reactor
NT2 kozloduy-6 reactor
NT2 loviisa-1 reactor
NT2 loviisa-2 reactor
NT2 mochovce-1 reactor
NT2 mochovce-2 reactor
NT2 novovoronezh-1 reactor
NT2 novovoronezh-2 reactor
NT2 novovoronezh-3 reactor
NT2 novovoronezh-4 reactor
NT2 novovoronezh-5 reactor
NT2 paks-1 reactor
NT2 paks-2 reactor
NT2 paks-3 reactor
NT2 paks-4 reactor
NT2 rovno-1 reactor
NT2 rovno-2 reactor
NT2 rovno-3 reactor
NT2 rovno-4 reactor
NT2 rovno-5 reactor
NT2 south ukrainian-1 reactor
NT2 south ukrainian-2 reactor
NT2 south ukrainian-3 reactor
NT2 stendal-1 reactor
NT2 tatarian reactor
NT2 temelin-1 reactor
NT2 temelin-2 reactor
NT2 tianwan-1 reactor
NT2 zaporozhe-1 reactor
NT2 zaporozhe-2 reactor
NT2 zaporozhe-3 reactor
NT2 zaporozhe-4 reactor
NT2 zaporozhe-5 reactor
NT2 zaporozhe-6 reactor
NT1 wyhl-1 reactor
NT1 wyhl-2 reactor
NT1 yellow creek-1 reactor
NT1 yellow creek-2 reactor
NT1 yonggwang-1 reactor
NT1 yonggwang-2 reactor
NT1 yonggwang-3 reactor
NT1 yonggwang-4 reactor
NT1 zion-1 reactor
NT1 zion-2 reactor
NT1 zorita-1 reactor

pwr/241 type reactors

Use bw standard reactor

pwr/41 type reactors

Use westinghouse standard reactor

pwr/80 type reactors

Use ce standard reactor

PYCNOMETERS

*BT1 densimeters

PYRANOMETERS

INIS: Apr 2000; ETDE: Jan 1975
BT1 measuring instruments
*BT1 solar equipment
RT photometers
RT radiometers
RT solar radiation

PYRANS

(Compounds that contain a six-membered heterocyclic ring containing one oxygen atom.)
*BT1 heterocyclic oxygen compounds
NT1 coumarin
NT1 hematoxylin
NT1 pyrones
NT1 quercetin
NT1 tetrahydropyran

PYRAZINES

(Compounds that contain a six-membered heterocyclic ring containing nitrogen atoms in the 1 and 4 positions.)
UF *1,4-diazines*
UF+ *neutral red*
UF+ *toluylene red*
*BT1 azines
NT1 phenazine
NT1 piperazines
RT pteridines

PYRAZOLES

(Compounds that contain a five-membered heterocyclic ring containing nitrogen atoms in the 1 and 2 positions.)
*BT1 azoles
NT1 indazoles
NT1 pyrazolines
NT2 antipyrine

PYRAZOLINES

UF *dam*
UF *diantipyrylmethane*
UF+ *aminopyrine*
*BT1 pyrazoles
NT1 antipyrine

PYRENE

*BT1 condensed aromatics
*BT1 hydrocarbons

PYREX

*BT1 borosilicate glass

PYRHELIOMETERS

INIS: Apr 2000; ETDE: Jan 1975
BT1 measuring instruments
*BT1 solar equipment
BT1 telescopes
RT solar flux

PYRIDAZINES

(Compounds that contain a six-membered heterocyclic ring containing nitrogen atoms in the 1 and 2 positions.)
*BT1 azines
NT1 phthalazines
NT2 luminol

PYRIDINE

INIS: Sep 1992; ETDE: Oct 1992
(Prior to April 1992 this was a valid ETDE descriptor. From April to October 1992 PYRIDINES was used for this concept in ETDE.)
*BT1 pyridines

pyridineazohydroxynaphthalene

Use pan

PYRIDINES

(Compounds that contain a six-membered heterocyclic ring containing one nitrogen atom.)
UF+ *diodrast*
UF+ *iodopyracet*
*BT1 azines
NT1 acridines
NT2 acridine orange
NT2 flavines
NT3 acriflavine
NT3 proflavine
NT1 bipyridines
NT1 nicotinamide
NT1 nicotine
NT1 nicotinic acid
NT1 pan
NT1 picolines
NT2 picolinic acid
NT1 piperidines
NT2 dipyridamole
NT2 pethidine
NT2 triacetoneamine-n-oxyl
NT1 pyridine
NT1 pyridinium compounds
NT1 pyridoxal
NT1 pyridoxine
NT1 pyridoxylideneglutamate
NT1 pyridylazoresorcinol
NT1 quinolines
NT2 ferron
NT2 oxine
NT2 quinaldine
RT isoniazid
RT nad

PYRIDINIUM COMPOUNDS

*BT1 pyridines
*BT1 quaternary compounds

PYRIDOXAL

*BT1 aldehydes
*BT1 organic oxygen compounds
*BT1 pyridines
RT coenzymes
RT picolines
RT vitamin b group

PYRIDOXINE

UF *vitamin b-6*
*BT1 hydroxy compounds
*BT1 pyridines
*BT1 vitamin b group

PYRIDOXYLIDENEGLUTAMATE
INIS: Nov 1977; ETDE: Mar 1978
- *BT1 glutamic acid
- *BT1 pyridines

PYRIDYL RADICALS
- BT1 radicals

pyridylazonaphthol
- Use pan

PYRIDYLAZORESORCINOL
- *BT1 diazo compounds
- *BT1 polyphenols
- *BT1 pyridines
- BT1 reagents

PYRIMIDINE DIMERS
INIS: Mar 1986; ETDE: Jun 1984
(The product of the chemical fusion of two neighboring pyrimidine nucleotides which results from radiation exposure of the cell.)
- BT1 dimers
- *RT* dna repair
- *RT* mutations
- *RT* pyrimidines
- *RT* strand breaks

PYRIMIDINES
(Compounds that contain a six-membered heterocyclic ring containing nitrogen atoms in the 1 and 3 positions.)
- UF *1,3-diazines*
- UF+ *murexide*
- UF+ *purpuric acid*
- UF+ *sulfadiazine*
- *BT1 azines
- **NT1** alloxan
- **NT1** barbiturates
  - **NT2** nembutal
  - **NT2** phenobarbital
- **NT1** cytidine
- **NT1** cytosine
- **NT1** deoxycytidine
- **NT1** thiamine
- **NT1** thymidine
- **NT1** uracils
  - **NT2** bromouracils
    - **NT3** budr
  - **NT2** chlorouracils
  - **NT2** deoxyuridine
  - **NT2** fluorouracils
    - **NT3** fudr
  - **NT2** iodouracils
    - **NT3** iododeoxyuridine
  - **NT2** orotic acid
  - **NT2** thiouracil
  - **NT2** thymine
  - **NT2** uridine
- *RT* nucleosides
- *RT* pteridines
- *RT* pyrimidine dimers

PYRITE
INIS: Jul 1978; ETDE: Apr 1975
- UF *pyrites*
- *BT1 sulfide minerals
- *RT* iron ores
- *RT* iron sulfides
- *RT* ledgemont process
- *RT* marcasite

pyrites
- Use pyrite

pyrocarbon
- Use pyrolytic carbon

pyrocatechin
- Use pyrocatechol

PYROCATECHOL
- UF *1,2-dihydroxybenzene*
- UF *catechol*
- UF *dihydroxybenzene-ortho*
- UF *pyrocatechin*
- BT1 developers
- *BT1 polyphenols
- *RT* catecholamines
- *RT* dopamine
- *RT* pyrocatechol violet

PYROCATECHOL VIOLET
- BT1 dyes
- BT1 indicators
- *RT* pyrocatechol

PYROCHEMICAL REPROCESSING
INIS: Jul 1980; ETDE: Dec 1979
(Processes that are carried out at elevated temperatures to effect the chemical reactions and transformations require d to purify and recover spent reactor fuels. Molten metals or salts rather than aqueous or organic liquids are used to effect the purification.)
- UF *melt refining process*
- UF *salt transport process*
- UF *zinc distillation process*
- *BT1 reprocessing

PYROCHLORE
INIS: Dec 1982; ETDE: Feb 1982
- UF *pyrrhite*
- BT1 minerals

PYROELECTRIC DETECTORS
INIS: Nov 1978; ETDE: May 1979
- *BT1 radiation detectors

PYROELECTRIC EFFECT
INIS: Apr 2000; ETDE: Jan 1975
(Electric polarity produced in certain crystals by a change in temperature.)
- *RT* electric charges
- *RT* electric potential

pyroelectricity
- Use electric charges
- AND polarization
- AND temperature dependence

pyrogallic acid
- Use pyrogallol

PYROGALLOL
- UF *1,2,3-trihydroxybenzene*
- UF *pyrogallic acid*
- BT1 developers
- *BT1 polyphenols

PYROGENS
- *RT* fever
- *RT* peptides
- *RT* polysaccharides

PYROLYSIS
- UF *thermal decomposition*
- *BT1 decomposition
- BT1 thermochemical processes
- **NT1** calcination
- **NT1** cracking
  - **NT2** catalytic cracking
  - **NT2** hydrocracking
  - **NT2** thermal cracking
- **NT1** flash hydropyrolysis process
- *RT* destructive distillation
- *RT* dissociation
- *RT* landgard pyrolysis system
- *RT* occidental flash pyrolysis process
- *RT* purox pyrolysis process
- *RT* pyrolysis products
- *RT* retorting
- *RT* rope process
- *RT* slagging pyrolysis process
- *RT* syngas process
- *RT* thermal degradation

PYROLYSIS PRODUCTS
INIS: Feb 1983; ETDE: Jul 1979
(Products from the pyrolysis or thermochemical reactions of carbonaceous materials.)
- **NT1** chars
- **NT1** coal gas
- **NT1** pyrolytic gases
- **NT1** pyrolytic oils
- *RT* by-products
- *RT* combustion products
- *RT* pyrolysis
- *RT* synthetic fuels
- *RT* volatile matter
- *RT* wastes

PYROLYTIC CARBON
- UF *pyrocarbon*
- *BT1 carbon

PYROLYTIC GASES
INIS: Jul 1992; ETDE: Jul 1979
(Gaseous products from pyrolysis or thermochemical reactions of carbonaceous materials.)
- *BT1 gases
- BT1 pyrolysis products
- *RT* chemical feedstocks
- *RT* pyrolytic oils
- *RT* synthetic fuels
- *RT* volatile matter

PYROLYTIC OILS
INIS: Jul 1992; ETDE: Oct 1978
(Oils produced from organic materials by pyrolysis or thermochemical reactions.)
- *BT1 oils
- BT1 pyrolysis products
- *BT1 synthetic fuels
- *RT* coal liquids
- *RT* pyrolytic gases
- *RT* shale oil
- *RT* volatile matter

PYROMETALLURGY
- *BT1 extractive metallurgy
- **NT1** chloride volatility process
- **NT1** fluoride volatility process
- *RT* calcination
- *RT* reduction
- *RT* roasting
- *RT* smelters
- *RT* smelting

PYROMETERS
(Instruments that measure high temperature, e.g. of molten lavas, by electrical or optical means.)
- BT1 measuring instruments
- **NT1** optical pyrometers
- *RT* temperature measurement

PYRONES
INIS: Apr 2000; ETDE: Oct 1979
(Oxopyran.)
- UF *chromone*
- *BT1 pyrans

PYROPHOSPHATES
- BT1 oxygen compounds
- BT1 phosphorus compounds

PYROPHYLLITE
INIS: Apr 2000; ETDE: Apr 1975
(A white, greenish, gray, or brown mineral.)
*BT1 silicate minerals
RT aluminium silicates

PYROSOL PROCESS
INIS: Apr 2000; ETDE: Sep 1985
(A two-step coal hydrogenation process, including partial hydrogenation at 455 to 465 degrees C and a pressure of 200 bar and coking of the hydrogenation residue in the presence of hydrogen at about 500 degrees C.)
*BT1 coal liquefaction

pyrotechnic devices
Use chemical explosives

pyrotek process
Use low btu gas
AND waste processing

pyroxenes
Use silicate minerals

pyroxylin
Use nitrocellulose

pyrrhite
Use pyrochlore

PYRRHOTITE
*BT1 sulfide minerals
NT1 troilite
RT iron sulfides

pyrrolase (tryptophan)
Use oxygenases

PYRROLES
(Compounds that contain a five-membered heterocyclic ring containing one nitrogen atom.)
UF+ *biliverdin*
UF+ *urobilinogen*
*BT1 azoles
NT1 bilirubin
NT1 indoles
NT2 indigo
NT2 indocyanine green
NT2 lysergic acid
NT2 reserpine
NT2 strychnine
NT2 tryptamines
NT3 melatonin
NT3 serotonin
NT4 bufotenine
NT2 tryptophan
NT2 vinblastine
NT1 pyrrolidines
NT2 hydroxyproline
NT2 nicotine
NT2 proline
NT1 pyrrolidones
NT2 pvp
RT carbazoles

PYRROLIDINES
UF *tetrahydropyrroles*
*BT1 amines
*BT1 pyrroles
NT1 hydroxyproline
NT1 nicotine
NT1 proline

pyrrolidinones
Use pyrrolidones

PYRROLIDONES
UF *butyrolactam*
UF *pyrrolidinones*
*BT1 lactams
*BT1 pyrroles
NT1 pvp

PYRUVIC ACID
UF *ketopropionic acid-alpha*
*BT1 keto acids

PZT
INIS: Sep 1986; ETDE: Dec 1982
(Lead zirconate titanate.)
UF *lead zirconate titanate*
BT1 lead compounds
*BT1 titanates
*BT1 zirconates
RT ceramics

Q

q centers
Use color centers

Q CODES
BT1 computer codes

Q DEVICES
*BT1 open plasma devices
NT1 helios devices
NT1 qp devices
RT magnetic mirrors

q enhancement
See k1-1270 mesons
OR k1-1400 mesons

q resonances
See k1-1270 mesons
OR k1-1400 mesons

Q-SHIFT
INIS: Mar 1976; ETDE: Aug 1976
RT betatron oscillations
RT particle beams

Q-SWITCHING
RT lasers
RT switches

Q-VALUE
BT1 energy
RT nuclear reaction kinetics

QATAR
INIS: Nov 1991; ETDE: Oct 1976
BT1 arab countries
BT1 asia
BT1 developing countries
BT1 middle east
RT oapec
RT opec

qcd
Use quantum chromodynamics

qf (radiation)
Use quality factor

QINSHAN-1 REACTOR
INIS: Aug 1986; ETDE: Apr 1997
(Near Shanghai, China. Until April 1997 this descriptor was spelled QINSHAN REACTOR.)
UF *qinshan reactor*
*BT1 pwr type reactors

QINSHAN-2-1 REACTOR
Jan 2003
(Near Shanghai, China. Prior to January 2003 QINSHAN-2 REACTOR was used.)
UF *qinshan-2 reactor*
*BT1 pwr type reactors

QINSHAN-2-2 REACTOR
Jan 2003
(Near Shanghai, China.)
*BT1 pwr type reactors

qinshan-2 reactor
Use qinshan-2-1 reactor

QINSHAN-3-1 REACTOR
Jan 2003
(Near Shanghai, China.Prior to January 2003 QINSHAN-3 REACTOR was used.)
UF *qinshan-3 reactor*
*BT1 candu type reactors

QINSHAN-3-2 REACTOR
Jan 2003
(Near Shanghai, China.)
*BT1 candu type reactors

qinshan-3 reactor
Use qinshan-3-1 reactor

qinshan reactor
Use qinshan-1 reactor

QP DEVICES
*BT1 q devices

QUAD CITIES-1 REACTOR
(Cordova, Illinois, USA)
UF *cordova quad cities-1 reactor*
*BT1 bwr type reactors

QUAD CITIES-2 REACTOR
(Cordova, Illinois, USA)
UF *cordova quad cities-2 reactor*
*BT1 bwr type reactors

QUADRATURES
UF *gauss quadratures*
RT integrals

QUADRICYCLENE
INIS: Apr 2000; ETDE: Dec 1977
*BT1 cycloalkenes

QUADRUPOLAR CONFIGURATIONS
*BT1 multipolar configurations

QUADRUPOLE LINACS
INIS: Feb 1983; ETDE: Jan 1981
(Linear accelerator having four longitudinal vanes in its resonating cavity, which are shaped to create rf electric fields that simultaneously accelerate, bunch, and focus the charged particle beam.)
UF *radio frequency quadrupoles*
UF *rfq (accelerators)*
*BT1 linear accelerators
RT fmit linac
RT pigmi facilities

QUADRUPOLE MOMENTS
RT electric moments
RT magnetic moments
RT nuclear electric moments
RT nuclear magnetic moments
RT nuclear quadrupole resonance
RT quadrupoles

QUADRUPOLES
BT1 multipoles

RT beam focusing magnets
RT quadrupole moments

QUALITATIVE CHEMICAL ANALYSIS

UF *analysis (qualitative chemical)*
UF *assaying (qualitative)*
UF+ *urinalysis*
BT1 chemical analysis
RT activation analysis
RT blood chemistry
RT chemistry
RT emission spectroscopy
RT microanalysis
RT radioassay

QUALITY ASSURANCE

(The planned and systematic actions necessary to provide adequate confidence that a structure, system, or component will perform satisfactorily in service.)
RT audits
RT certification
RT evaluation
RT licensing
RT quality control
RT reliability
RT safety
RT safety culture
RT standardization

QUALITY CONTROL

(An aggregate of functions designed to insure adequate quality in manufactured products by initial critical study of engineering design, materials, processes, equipment, and workmanship followed by periodic inspection and analysis.)
BT1 control
RT errors
RT inspection
RT materials testing
RT nondestructive testing
RT performance testing
RT quality assurance
RT reliability
RT safety
RT sampling
RT specifications
RT standardization
RT tolerance

QUALITY FACTOR

UF *qf (radiation)*
RT dose equivalents
RT let
RT oxygen enhancement ratio
RT radiation quality
RT rbe

quality of life

Use standard of living

QUANICASSEE-1 REACTOR

*BT1 pwr type reactors

QUANICASSEE-2 REACTOR

*BT1 pwr type reactors

QUANTITATIVE CHEMICAL ANALYSIS

UF *analysis (quantitative chemical)*
UF *assaying (quantitative)*
BT1 chemical analysis
NT1 gravimetric analysis
NT2 thermal gravimetric analysis
NT1 radio-release analysis
NT1 radiochemical analysis
NT1 radiometric analysis
NT1 volumetric analysis
NT2 titration
NT3 amperometry
NT3 iodometry
NT3 potentiometry
NT3 thermometric titration
RT activation analysis
RT blood chemistry
RT body composition
RT chemical composition
RT chemistry
RT concentration ratio
RT emission spectroscopy
RT fluorescence spectroscopy
RT gas analysis
RT isotope dilution
RT kjeldahl method
RT microanalysis
RT polarography
RT radioenzymatic assay
RT raman spectroscopy
RT substoichiometry
RT voltametry
RT x-ray emission analysis
RT x-ray fluorescence analysis

quantity ratio

Use concentration ratio

QUANTIZATION

INIS: Mar 1983; ETDE: Mar 1983
(Transition from a description of a system of particles or fields in the classical approximation to a description in which canonically conjugate variables are treated as noncommuting operators.)
NT1 second quantization
RT quantum field theory
RT quantum mechanics
RT quantum operators

QUANTUM CHROMODYNAMICS

INIS: Feb 1978; ETDE: Nov 1977
(Renormalizable quantum field theory, in which colored quark fields are coupled to gluon fields.)
UF *chromodynamics*
UF *qcd*
*BT1 quantum field theory
RT bag model
RT cim model
RT color model
RT flavor model
RT gauge invariance
RT gluon model
RT gluon-gluon interactions
RT gluons
RT grand unified theory
RT instantons
RT quantum electrodynamics
RT quantum flavordynamics
RT quark-gluon interactions
RT standard model
RT string models
RT su-3 groups
RT vector fields
RT wilson loop
RT yang-mills theory

quantum crystals

Use crystals

QUANTUM DOTS

Nov 2003
BT1 nanostructures

QUANTUM EFFICIENCY

INIS: Jun 1982; ETDE: Sep 1979
(Average number of electrons emitted per incident photon.)
BT1 efficiency
RT photocathodes
RT photoelectric emission

QUANTUM ELECTRODYNAMICS

BT1 electrodynamics
*BT1 quantum field theory
NT1 schwinger-tomonaga formalism
RT bhabha scattering
RT dirac equation
RT dirac operators
RT equivalent-photon approximation
RT infrared divergences
RT joos-weinberg equation
RT moeller scattering
RT quantum chromodynamics
RT quantum flavordynamics
RT self-energy
RT standard model
RT ultraviolet divergences
RT vacuum polarization
RT ward identity

QUANTUM ELECTRONICS

INIS: May 1981; ETDE: Aug 1976
(Unites the classical areas of electronics with those of optics, spectroscopy and quantum mechanics and is based upon the quantum nature of waves and atomic and molecular systems.)
UF *electronics (quantum)*
RT lasers
RT masers
RT optics
RT quantum mechanics
RT spectroscopy

QUANTUM FIELD THEORY

UF+ *non-linear field theory*
UF+ *nonlinear field theory*
BT1 field theories
NT1 axiomatic field theory
NT2 algebraic field theory
NT2 lsz theory
NT2 wightman field theory
NT1 constructive field theory
NT2 lattice field theory
NT1 lagrangian field theory
NT1 phi4-field theory
NT1 quantum chromodynamics
NT1 quantum electrodynamics
NT2 schwinger-tomonaga formalism
NT1 quantum flavordynamics
NT1 quantum gravity
NT1 unified gauge models
NT2 grand unified theory
NT3 standard model
NT2 weinberg-salam gauge model
NT1 yukawa nonlocal theory
RT anyons
RT bethe-salpeter equation
RT current algebra
RT dispersion relations
RT dyson representation
RT feynman diagram
RT field algebra
RT field operators
RT fock representation
RT gauge invariance
RT goldberger-treiman relation
RT haag theorem
RT heisenberg picture
RT higgs model
RT ladder approximation
RT lehmann-kaellen representation
RT locality
RT mass formulae
RT massless particles
RT melosh transformation
RT propagator

RT quantization
RT quantum groups
RT quantum mechanics
RT quasipotential equation
RT radiative corrections
RT regge poles
RT renormalization
RT s matrix
RT scalar fields
RT scale dimension
RT schroedinger picture
RT schwinger functional equations
RT schwinger source theory
RT second quantization
RT sine-gordon equation
RT spinor fields
RT sugawara theory
RT supergravity
RT supersymmetry
RT tensor fields
RT thirring model
RT vector fields
RT vertex functions
RT wick theorem
RT yang-feldman formalism
RT yang-mills theory
RT zachariasen model

QUANTUM FLAVORDYNAMICS

INIS: Jul 1982; ETDE: May 1979
UF *flavordynamics*
*BT1 quantum field theory
RT flavor model
RT quantum chromodynamics
RT quantum electrodynamics
RT weinberg-salam gauge model

QUANTUM FLUIDS

INIS: Feb 1983; ETDE: May 1979
BT1 fluids
NT1 helium ii
RT helium 3
RT helium 4
RT quantum plasma

QUANTUM GRAVITY

INIS: Nov 1978; ETDE: Dec 1978
*BT1 quantum field theory
RT general relativity theory
RT gravitation
RT gravitational fields
RT gravitons
RT supergravity
RT unified-field theories

QUANTUM GROUPS

INIS: Aug 1997; ETDE: Aug 1997
(Algebraic structures with applications in solvable models in quantum field theory and statistical physics)
BT1 symmetry groups
RT algebra
RT group theory
RT quantum field theory

QUANTUM MECHANICS

BT1 mechanics
RT adiabatic approximation
RT adiabatic invariance
RT aharonov-bohm effect
RT angular momentum
RT bell theorem
RT bloch theory
RT born approximation
RT boson expansion
RT canonical transformations
RT causality
RT chirality
RT commutation relations
RT d waves
RT de broglie wavelength
RT density matrix
RT diabatic approximation
RT dirac approximation
RT eigenfunctions
RT eigenstates
RT eigenvalues
RT energy density
RT expectation value
RT f waves
RT feynman path integral
RT fierz-pauli theory
RT generator-coordinate method
RT heisenberg picture
RT hidden variables
RT hsk procedure
RT hylleraas coordinates
RT klein-gordon equation
RT kramers theorem
RT levinson theorem
RT lippmann-schwinger equation
RT mathematical operators
RT occupation number
RT p waves
RT partial waves
RT pauli principle
RT perturbation theory
RT planck law
RT proca equations
RT projection operators
RT quantization
RT quantum electronics
RT quantum field theory
RT quantum numbers
RT racah coefficients
RT rarita-schwinger theory
RT s waves
RT schroedinger equation
RT schroedinger picture
RT schwinger variational method
RT second quantization
RT selection rules
RT semiclassical approximation
RT seniority number
RT sommerfeld-watson theory
RT sudden approximation
RT sum rules
RT superselection rules
RT tamm-dancoff method
RT twistor theory
RT uncertainty principle
RT wigner coefficients
RT wigner theory
RT zitterbewegung

QUANTUM NUMBERS

NT1 seniority number
RT flavor model
RT gell-mann theory
RT multiplicity
RT parity
RT particle properties
RT quantum mechanics
RT spin

QUANTUM OPERATORS

UF *operators (quantum field theory)*
UF *operators (quantum mechanical)*
BT1 mathematical operators
NT1 angular momentum operators
NT2 orbital momentum operators
NT2 pauli spin operators
NT1 annihilation operators
NT1 commutators
NT2 current commutators
NT3 sigma terms
NT1 creation operators
NT1 dirac operators
NT1 field operators
NT1 hamiltonians
NT1 linear momentum operators
NT1 moshinsky transformation
NT1 position operators
RT boson expansion
RT gluon condensation
RT operator product expansion
RT quantization
RT quark condensation

QUANTUM PLASMA

BT1 plasma
RT quantum fluids

QUANTUM WELLS

BT1 nanostructures
RT heterojunctions
RT wave functions

QUANTUM WIRES

Nov 2003
BT1 nanostructures

QUARANTINE

RT diseases
RT health hazards
RT incubation
RT latency period
RT pest control
RT public health
RT time dependence

QUARK-ANTIQUARK INTERACTIONS

INIS: Jan 1979; ETDE: Feb 1979
*BT1 particle interactions

QUARK CONDENSATION

INIS: Apr 1989; ETDE: May 1989
RT quantum operators
RT quarks
RT vacuum states

quark confinement

Use bag model

QUARK-GLUON INTERACTIONS

INIS: Feb 1983; ETDE: Mar 1983
*BT1 particle interactions
RT gluons
RT quantum chromodynamics
RT quark matter
RT quarks
RT strong interactions

quark-gluon plasma

Use quark matter

QUARK-HADRON INTERACTIONS

INIS: Nov 1978; ETDE: Dec 1978
*BT1 particle interactions
RT cim model
RT exchange interactions
RT quark model

quark material

Use quark matter

QUARK MATTER

INIS: Jan 1984; ETDE: Sep 1983
(A plasma of non-interacting quarks and gluons formed from hadronic matter at high energy densities.)
UF *plasma (quark)*
UF *quark material*
UF *quark plasma*
UF *quark sea*
UF *quark-gluon plasma*
BT1 matter
RT gluons

RT nuclear matter
RT quark model
RT quark-gluon interactions
RT quarks

QUARK MODEL
*BT1 composite models
NT1 bag model
NT1 color model
NT1 flavor model
NT1 string models
NT2 superstring models
RT beauty particles
RT charm particles
RT landau quasi particles
RT merons
RT parton model
RT quark matter
RT quark-hadron interactions
RT quarkonium
RT quarks

quark plasma
Use quark matter

QUARK-QUARK INTERACTIONS
INIS: Sep 1979; ETDE: Feb 1979
*BT1 particle interactions

quark sea
Use quark matter

QUARKONIUM
INIS: May 1980; ETDE: May 1980
(A bound state of a quark and an antiquark.)
NT1 bottomonium
NT2 chi b0-10235 mesons
NT2 chi b0-9860 mesons
NT2 chi b1-10255 mesons
NT2 chi b1-9890 mesons
NT2 chi b2-10270 mesons
NT2 chi b2-9915 mesons
NT2 upsilon-10023 mesons
NT2 upsilon-10355 mesons
NT2 upsilon-10580 mesons
NT2 upsilon-10860 mesons
NT2 upsilon-11020 mesons
NT2 upsilon-9460 mesons
NT1 charmonium
NT2 chi0-3415 mesons
NT2 chi1-3510 mesons
NT2 chi2-3555 mesons
NT2 eta c-2980 mesons
NT2 eta c-3590 mesons
NT2 j psi-3097 mesons
NT2 psi-3685 mesons
NT2 psi-3770 mesons
NT2 psi-4040 mesons
NT2 psi-4160 mesons
NT2 psi-4415 mesons
NT1 strangeonium
NT2 f2 prime-1525 mesons
NT2 phi-1020 mesons
NT2 phi-1680 mesons
NT2 phi3-1850 mesons
NT1 toponium
RT b c mesons
RT baryonium
RT bound state
RT d quarks
RT quark model
RT quarks
RT u quarks

QUARKS
UF *aces*
UF *triplet particles*
BT1 fermions
NT1 b quarks
NT1 c quarks
NT1 d quarks
NT1 s quarks
NT1 t quarks
NT1 u quarks
RT centauro-type events
RT composite models
RT grace particles
RT melosh transformation
RT partons
RT preons
RT quark condensation
RT quark matter
RT quark model
RT quark-gluon interactions
RT quarkonium
RT taste particles

quarrying
Use surface mining

QUARTET MODEL
UF *four-nucleon structure*
*BT1 nuclear models
RT cluster model
RT nuclear structure

QUARTZ
(Crystalline silica, an important rock-forming mineral.)
*BT1 oxide minerals
RT aplites
RT cristobalite
RT granites
RT granodiorites
RT quartz monzonite
RT quartzites
RT shales
RT silicate minerals
RT silicon oxides

QUARTZ MONZONITE
INIS: Nov 1984; ETDE: May 1984
UF *adamellite*
*BT1 granites
RT feldspars
RT quartz

QUARTZITES
(Quartz rocks derived from sandstone.)
*BT1 metamorphic rocks
RT quartz
RT sandstones

QUASARS
BT1 cosmic radio sources
NT1 blue stellar objects
RT bl lacertae objects
RT radio galaxies
RT seyfert galaxies
RT stars

quasi-elastic reactions
Use transfer reactions

QUASI-ELASTIC SCATTERING
*BT1 quasi-free reactions
BT1 scattering
RT elastic scattering

QUASI-FISSION
INIS: Apr 1977; ETDE: Jun 1977
UF *fission-like reactions*
*BT1 heavy ion reactions
RT compound-nucleus reactions
RT deep inelastic heavy ion reactions
RT fission
RT heavy ion fusion reactions
RT nuclear fireball model
RT precompound-nucleus emission

QUASI-FREE REACTIONS
(Nuclear reactions similar to quasi-free (or quasi-elastic) scattering, but distinct in that the incident particle undergoes a rearrangement reaction with the struck particle in the nucleus instead of just scattering from it.)
*BT1 direct reactions
NT1 quasi-elastic scattering

QUASI PARTICLES
UF *dopplerons*
NT1 anyons
NT1 excitons
NT1 focusons
NT1 instantons
NT1 landau quasi particles
NT1 magnons
NT1 merons
NT1 phonons
NT1 plasmons
NT1 polarons
NT1 rotons
NT1 solitons
RT holes
RT many-body problem

QUASIBOUND STATE
INIS: Nov 1988; ETDE: Dec 1988
RT bound state
RT coupling
RT energy levels

QUASILINEAR PROBLEMS
UF *quasilinear theory*
RT boltzmann-vlasov equation
RT mathematics
RT nonlinear problems
RT perturbation theory

quasilinear theory
Use quasilinear problems

QUASIPARTICLE-PHONON MODEL
INIS: Feb 1981; ETDE: Mar 1981
*BT1 nuclear models
RT collective model
RT phonons
RT single-particle model

QUASIPOTENTIAL EQUATION
*BT1 integral equations
RT lippmann-schwinger equation
RT quantum field theory
RT scattering amplitudes

QUATERNARY ALLOY SYSTEMS
BT1 alloy systems

QUATERNARY COMPOUNDS
(For quaternary ammonium compounds.)
UF+ *teab*
UF+ *tetraethylammonium bromide*
*BT1 amines
BT1 ammonium compounds
NT1 acetylcholine
NT1 betaine
NT1 choline
NT1 pyridinium compounds
RT ammonia

QUATERNARY FISSION
(Fission with emission of two light charged particles.)
*BT1 fission

QUATERNARY PERIOD
INIS: Apr 1992; ETDE: Oct 1977
UF *holocene epoch*
*BT1 cenozoic era

NT1 pleistocene epoch

QUATERPHENYLS
*BT1 aromatics
*BT1 hydrocarbons

QUEBEC
*BT1 canada
RT ottawa river
RT st lawrence river

QUEEN MARY COLLEGE UTR-B REACTOR
(Queen Mary College, London, United Kingdom)
UF *university training reactor queen mary*
UF *utr-b queen mary college reactor*
*BT1 argonaut type reactors
*BT1 training reactors

QUEENSLAND
*BT1 australia

QUENCH AGING
BT1 aging
RT quenching

QUENCH HARDENING
(Prior to July 1996 JOMINY END-QUENCH TECHNIQUE was a valid ETDE descriptor.)
SF *jominy end-quench technique*
BT1 hardening
BT1 heat treatments
RT quenching
RT splat cooling

QUENCHING
RT heat treatments
RT quench aging
RT quench hardening
RT superconductivity

quenching (avalanche)
Use avalanche quenching

quenching (discharge)
Use discharge quenching

quenching (fluorescence)
Use fluorescence

quenching (scintillation)
Use scintillation quenching

QUERCETIN
*BT1 flavones
*BT1 polyphenols
*BT1 pyrans
RT glycosides

quercus
Use oaks

QUEUES
INIS: Apr 2000; ETDE: Oct 1975
RT mathematics

quezon philippine reactor
Use prr-1 reactor

QUIESCENT PLASMA
BT1 plasma

QUINALDINE
UF *2-methylquinoline*
*BT1 quinolines

quinalizarin
Use quinizarin

quinhydrone
Use benzoquinones

QUININE
*BT1 alkaloids
*BT1 antimicrobial agents
*BT1 antipyretics

QUINIZARIN
UF *1,4-dihydroxyanthraquinone*
UF *quinalizarin*
*BT1 anthraquinones
BT1 dyes
*BT1 hydroxy compounds

QUINOLINES
UF+ *kynurenic acid*
*BT1 azaarenes
*BT1 pyridines
NT1 ferron
NT1 oxine
NT1 quinaldine

quinone
Use benzoquinones

QUINONES
*BT1 aromatics
*BT1 organic oxygen compounds
NT1 anthraquinones
NT2 alizarin
NT2 carminic acid
NT2 quinizarin
NT1 benzoquinones
NT2 chloranil
NT2 chloranilic acid
NT2 plastoquinone
NT2 ubiquinone
NT1 rhodizonic acid
NT1 vitamin k
RT ketones

R

r (exposure unit)
Use radiation dose units

R-1 REACTOR
(Stockholm, Sweden.)
UF *stockholm r-1 reactor*
UF *swedish reactor r-1*
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors

r-1650 resonances
Use mesons

R-2 REACTOR
(Aktiebolaget Atomenergi, Nyoking, Studsvik, Sweden)
UF *studsvik r-2 reactor*
UF *swedish reactor r-2*
*BT1 enriched uranium reactors
*BT1 materials testing reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

r-2510 resonances
Use f6-2510 mesons

r-3/adam reactor
Use agesta reactor

R-A REACTOR
(Boris Kidric Institute of Nuclear Sciences, Nuclear Reactor RA Dept., Beograd, Yugoslavia)
UF *vinca r-a reactor yugoslavia*
UF *yugoslavia r-a reactor vinca*
*BT1 enriched uranium reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors

R-B REACTOR
(Boris Kidric Institute of Nuclear Sciences, Beograd, Yugoslavia)
UF *vinca r-b reactor yugoslavia*
UF *yugoslavia r-b reactor vinca*
*BT1 heavy water moderated reactors
*BT1 natural uranium reactors
*BT1 training reactors
*BT1 zero power reactors

R CENTERS
*BT1 color centers

R CODES
BT1 computer codes

r-f mass spectrometers
Use dynamic mass spectrometers

R FACTORS
INIS: Apr 2000; ETDE: Jun 1977
(Measures of thermal resistance value of materials.)
RT thermal insulation
RT u values

r-ii swierk reactor
Use swierk r-2 reactor

R MATRIX
BT1 matrices
RT group theory
RT multilevel analysis
RT nuclear reactions

R PROCESS
*BT1 star evolution
RT capture
RT nucleosynthesis
RT stars

R REACTOR
UF *savannah river plant r reactor*
*BT1 heavy water moderated reactors
*BT1 special production reactors

r-rna
Use ribosomal rna

R2-0 REACTOR
(Aktiebolaget Atomenergi, Nykoping, Studsvik, Sweden)
UF *studsvik r2-0 reactor*
UF *swedish reactor r2-0*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors

RA-0 REACTOR
(UN Cordoba/CNEA, Argentinian Atomic Energy Commission, Cordoba, Argentina)
UF *argentine reactor ra-0*
UF *reactor argentin-0*
*BT1 research reactors
*BT1 tank type reactors
*BT1 zero power reactors

RA-1 REACTOR
(CNEA, Argentinian Atomic Energy Agency, Buenos Aires, Argentina)
- UF *argentine reactor ra-1*
- UF *reactor argentin-1*
- *BT1 argonaut type reactors
- *BT1 training reactors

RA-2 REACTOR
(CNEA, Argentinian Atomic Energy Commission, Buenos Aires, Argentina)
- UF *argentine reactor ra-2*
- UF *reactor argentin-2*
- *BT1 research reactors
- *BT1 tank type reactors
- *BT1 zero power reactors

RA-3 REACTOR
(CNEA, Argentinian Atomic Energy Commission, Buenos Aires, Argentina)
- UF *argentine reactor ra-3*
- UF *ezeiza argentine ra-3 reactor*
- UF *reactor argentin-3*
- *BT1 research reactors
- *BT1 tank type reactors
- *BT1 test reactors

ra 333
Use alloy-ra-333

RA-4 REACTOR
Aug 2002
- UF *argentine reactor ra-4*
- UF *ezeiza argentine ra-4 reactor*
- UF *reactor argentin-4*
- *BT1 research reactors
- *BT1 tank type reactors
- *BT1 test reactors

RA-5 REACTOR
INIS: Feb 1976; ETDE: Apr 1976
(CNEA, Argentinian Atomic Energy Commission, Buenos Aires, Argentina)
- UF *argentine reactor ra-5*
- UF *reactor argentin-5*
- *BT1 enriched uranium reactors
- *BT1 research reactors
- *BT1 tank type reactors
- *BT1 test reactors
- *BT1 thermal reactors
- *BT1 water cooled reactors
- *BT1 water moderated reactors

RA-6 REACTOR
INIS: Mar 2001; ETDE: Nov 1999
(CNEA, Argentinian Atomic Energy Commission, Buenos Aires, Argentina)
- UF *argentine reactor ra-6*
- UF *reactor argentin ra-6*
- *BT1 enriched uranium reactors
- *BT1 pool type reactors
- *BT1 research reactors
- *BT1 test reactors
- *BT1 thermal reactors

RA-8 REACTOR
Nov 2002
(CNEA, Argentinian Atomic Energy Commission, Buenos Aires, Argentina)
- UF *argentine reactor ra-8*
- UF *reactor argentin-8*
- *BT1 enriched uranium reactors
- *BT1 pool type reactors
- *BT1 research reactors
- *BT1 test reactors
- *BT1 thermal reactors
- *BT1 zero power reactors

rabbit brush
Use magnoliopsida
- AND shrubs

RABBIT TUBES
- UF *shuttles*
- BT1 reaction product transport systems
- *BT1 reactor experimental facilities

RABBITS
- *BT1 mammals

RABIES
INIS: Apr 1982; ETDE: May 1982
- *BT1 nervous system diseases
- *BT1 viral diseases
- *RT* central nervous system
- *RT* viruses

RACAH COEFFICIENTS
- UF *6j-symbols*
- *RT* angular momentum
- *RT* clebsch-gordan coefficients
- *RT* group theory
- *RT* quantum mechanics
- *RT* wigner coefficients

RACEMATES
INIS: Apr 2000; ETDE: Feb 1976
(50-50 mixtures of dextro and levo isomers; optically inactive.)
- UF *achiral*
- *RT* racemization
- *RT* stereochemistry

RACEMIZATION
- *RT* isomerases
- *RT* racemates
- *RT* stereochemistry

RACETRACK MICROTRONS
INIS: Jul 1985; ETDE: Aug 1985
(Microtrons with two bending magnets and linear accelerators between them.)
- *BT1 microtrons

rachitis
Use rickets

racial groups
Use minority groups

racks (fuel)
Use fuel racks

rad
Use radiation dose units

RADAPPERTIZATION
(Use of irradiation to sterilize foodstuff.)
- UF *food irradiation (radiosterilization)*
- UF *radiosterilization (food)*
- *BT1 food processing
- *BT1 radiosterilization
- *RT* food
- *RT* ifip

RADAR
(From March 1980 till March 1997 SYNTHETIC-APERTURE RADAR was a valid ETDE descriptor.)
- UF *radiation detection and range*
- UF *synthetic-aperture radar*
- *BT1 range finders
- **NT1** acoustic radar
- **NT1** optical radar
- *RT* electrical equipment
- *RT* electronic equipment
- *RT* frequency range
- *RT* radio equipment
- *RT* radiowave radiation

radial distribution
Use spatial distribution

radial flow mhd generators
Use disk mhd generators

RADIAL INFLOW TURBINES
INIS: Apr 2000; ETDE: Aug 1984
- *BT1 turbines
- *RT* radial-outflow reaction turbines

RADIAL-OUTFLOW REACTION TURBINES
INIS: Apr 2000; ETDE: Oct 1978
- UF *rort*
- *BT1 turbines
- *RT* radial inflow turbines

radial profiles (plasma)
Use plasma radial profiles

RADIAL VELOCITY
- BT1 velocity

RADIANT CABLE HEATING
INIS: Apr 2000; ETDE: Sep 1977
- *BT1 electric heating
- *RT* radiant heaters
- *RT* space heating

RADIANT FLUX DENSITY
INIS: Apr 2000; ETDE: Jan 1975
- UF *radiant intensity*
- BT1 flux density

RADIANT HEAT TRANSFER
- UF *radiative transfer*
- *BT1 heat transfer
- *RT* emissivity
- *RT* radiative cooling
- *RT* thermal radiation

RADIANT HEATERS
INIS: Apr 2000; ETDE: Apr 1982
- BT1 heaters
- *RT* radiant cable heating

radiant intensity
Use radiant flux density

RADIATION ABSORPTION ANALYSIS
(Analysis based on the determination of the absorption of X-ray, gamma-ray, or other ionizing radiation by the sample.)
- *BT1 nondestructive analysis

RADIATION ACCIDENTS
- UF+ *accidental irradiation*
- UF+ *criticality accidents*
- UF+ *goiania radiological emergency*
- BT1 accidents
- *RT* canare
- *RT* emergency plans
- *RT* international nuclear event scale

RADIATION ATTENUATION TESTING
INIS: Nov 1975; ETDE: Jun 1975
(Prior to April 1986 INDUSTRIAL RADIOGRAPHY was used for this concept.)
- *BT1 nondestructive testing
- *RT* industrial radiography

RADIATION BELTS
- UF *van allen belts*
- **NT1** artificial radiation belts
- *RT* charged-particle precipitation
- *RT* earth magnetosphere
- *RT* electron precipitation
- *RT* proton precipitation

radiation buildup
Use buildup

radiation burden
Use radiation doses

RADIATION BURNS
*BT1 burns
*BT1 local radiation effects
*BT1 radiation injuries
RT radiodermatitis

RADIATION CHEMISTRY
(The chemistry of the effects of high-energy radiation on matter. Not to be used for RADIOCHEMISTRY.)
BT1 chemistry
RT chemical radiation effects
RT g value
RT oxonium ions
RT photochemistry
RT radiochemistry
RT radiolysis
RT reaction intermediates
RT recombination
RT scavenging
RT valence

RADIATION CHIMERAS
*BT1 chimeras
RT biological radiation effects
RT spleen colony formation

RADIATION CURING
INIS: Sep 1981; ETDE: Sep 1976
(Prior to November 1982 this concept was indexed by the coordination of CHEMICAL RADIATION EFFECTS and CROSS-LINKING.)
*BT1 chemical radiation effects
BT1 curing
RT cross-linking

radiation damage (biological)
Use radiation injuries

radiation damage (chemical)
Use radiolysis

radiation damage (nonbiologic)
Use radiation effects

radiation damage (physical)
Use physical radiation effects

radiation decontamination
Use decontamination

RADIATION DETECTION
UF *detection (radiation)*
BT1 detection
NT1 charged particle detection
NT2 acoustic detection
NT2 alpha detection
NT2 beta detection
NT2 electron detection
NT2 ion detection
NT2 muon detection
NT2 positron detection
NT2 proton detection
NT1 cosmic ray detection
NT1 fission fragment detection
NT1 gamma detection
NT1 kaon detection
NT1 neutrino detection
NT1 neutron detection
NT1 pion detection
NT1 x-ray detection
RT coincidence spectrometry
RT counting circuits
RT dosemeters
RT dosimetry
RT particle discrimination
RT pulse techniques
RT radiation detectors
RT radiation monitoring
RT radiations
RT spectrometers
RT spectroscopy

radiation detection and range
Use radar

RADIATION DETECTORS
UF *counters (radiation)*
UF *detectors (radiation)*
BT1 measuring instruments
NT1 chemical radiation detectors
NT1 cherenkov counters
NT1 compton diode detectors
NT1 corona counters
NT1 crystal counters
NT2 filament crystal counters
NT1 dielectric track detectors
NT1 directional radiation detectors
NT1 electron multiplier detectors
NT1 emanometers
NT1 fermilab collider detector
NT1 flow counters
NT1 four-pi detectors
NT1 gas track detectors
NT2 bubble chambers
NT3 cryogenic bubble chambers
NT3 heavy liquid bubble chambers
NT3 ultrasonic bubble chambers
NT2 cloud chambers
NT3 diffusion chambers
NT3 expansion chambers
NT2 spark chambers
NT3 filmless spark chambers
NT4 sonic spark chambers
NT4 wire spark chambers
NT3 projection spark chambers
NT3 streamer spark chambers
NT3 wide gap spark chambers
NT1 geiger-mueller counters
NT1 gravitational wave detectors
NT1 ionization chambers
NT2 boron coated ion chambers
NT2 bragg gray chambers
NT2 condenser ionization chambers
NT2 extrapolation chambers
NT2 fission chambers
NT2 liquid ionization chambers
NT2 multiwire ionization chambers
NT1 low level counters
NT1 neutron detectors
NT2 activation detectors
NT2 bf3 counters
NT2 boron coated ion chambers
NT2 boron lined counters
NT2 fission chambers
NT2 fission foil detectors
NT2 fission thermocouple detectors
NT2 he-3 counters
NT2 moderating detectors
NT3 bonner sphere detectors
NT3 long counters
NT2 proton recoil detectors
NT2 self-powered neutron detectors
NT2 threshold detectors
NT1 photographic film detectors
NT1 position sensitive detectors
NT1 proportional counters
NT2 bf3 counters
NT2 boron lined counters
NT2 he-3 counters
NT2 liquid proportional counters
NT2 multiwire proportional chambers
NT3 drift chambers
NT4 time projection chambers
NT2 needle chambers
NT1 pyroelectric detectors
NT1 radiometers
NT1 scintillation counters
NT2 gas scintillation detectors
NT2 liquid scintillation detectors
NT2 scintillator-photodiode detectors
NT2 solid scintillation detectors
NT3 bgo detectors
NT3 nai detectors
NT3 plastic scintillation detectors
NT1 secondary emission detectors
NT1 self-powered detectors
NT2 self-powered gamma detectors
NT2 self-powered neutron detectors
NT1 semiconductor detectors
NT2 bulk semiconductor detectors
NT2 cdte semiconductor detectors
NT2 ge semiconductor detectors
NT3 high-purity ge detectors
NT3 li-drifted ge detectors
NT2 hgi2 semiconductor detectors
NT2 insb semiconductor detectors
NT2 junction detectors
NT3 li-drifted junction detectors
NT2 li-drifted detectors
NT3 li-drifted ge detectors
NT3 li-drifted junction detectors
NT3 li-drifted si detectors
NT2 si semiconductor detectors
NT3 li-drifted si detectors
NT2 surface barrier detectors
NT1 shower counters
NT1 spark counters
NT1 stanford linear collider detector
NT1 superconducting colloid detectors
NT1 tissue-equivalent detectors
NT1 transition radiation detectors
NT1 wall-less counters
NT1 whole-body counters
RT charged particle detection
RT cosmic ray detection
RT counting circuits
RT counting techniques
RT dosemeters
RT fission fragment detection
RT gamma detection
RT neutron detection
RT polarimeters
RT pulse techniques
RT radiation detection
RT radiation monitors
RT radioisotope scanners
RT scalers
RT spectrometers
RT streak cameras
RT telescope counters
RT well logging equipment

RADIATION DOSE DISTRIBUTIONS
UF *dose distributions*
NT1 spatial dose distributions
NT2 depth dose distributions
NT1 temporal dose distributions
RT dose-response relationships
RT irradiation
RT isodose curves
RT radiation doses

RADIATION DOSE UNITS
(For studies concerning units, concepts or definitions.)
UF *r (exposure unit)*
UF *rad*
UF *rem*
UF *roentgen (exposure unit)*
UF *roentgen equivalent man*
UF+ *gray*
UF+ *sievert*
UF+ *sievert unit*

BT1 units
RT dosimetry
RT icru
RT radiation doses

radiation dosemeters
Use dosemeters

RADIATION DOSES
UF *absorbed doses*
UF *doses (radiation)*
UF *exposure (radiation doses)*
UF *radiation burden*
UF *radiation exposure (doses)*
BT1 doses
NT1 genetically significant dose
NT1 integral doses
NT1 lethal radiation dose
NT1 somatically significant dose
NT1 threshold dose
RT alara
RT biological indicators
RT biological radiation effects
RT biophysics
RT buildup
RT chronic irradiation
RT critical organs
RT cumulative radiation effects
RT dose commitments
RT dose equivalents
RT dose limits
RT dose rates
RT dose-response relationships
RT dosemeters
RT dosimetry
RT energy absorption
RT fractionated irradiation
RT icrp critical group
RT irradiation
RT kerma
RT lethal irradiation
RT low dose irradiation
RT maximum permissible dose
RT maximum permissible exposure
RT medical surveillance
RT occupational exposure
RT personnel monitoring
RT radiation dose distributions
RT radiation dose units
RT radiation effects
RT radiations
RT remedial action
RT source terms
RT sublethal irradiation
RT supralethal irradiation

radiation dosimetry
Use dosimetry

RADIATION EFFECTS
UF *radiation damage (nonbiologic)*
NT1 biological radiation effects
NT2 abscopal radiation effects
NT2 delayed radiation effects
NT2 early radiation effects
NT2 genetic radiation effects
NT2 local radiation effects
NT3 osteoradionecrosis
NT3 radiation burns
NT3 radiodermatitis
NT2 radiation injuries
NT3 osteoradionecrosis
NT3 radiation burns
NT3 radiodermatitis
NT1 chemical radiation effects
NT2 lyoluminescence
NT2 radiation curing
NT2 radiolysis
NT3 autoradiolysis
NT1 cumulative radiation effects
NT1 physical radiation effects
NT2 atomic displacements
NT2 interstitial helium generation
NT2 interstitial hydrogen generation
NT2 radiation hardening
RT biological localization
RT biophysics
RT blisters
RT comparative evaluations
RT crystal defects
RT damage
RT dose rates
RT dose-response relationships
RT energy losses
RT irradiation
RT photoacoustic effect
RT radiation doses
RT radiation quality
RT radiations
RT radiobiology
RT radiosensitivity
RT rbe
RT recoils
RT response modifying factors
RT self-irradiation
RT strand breaks
RT thermal spikes
RT wigner effect

RADIATION EQUIVALENCE
INIS: Apr 2000; ETDE: Jan 1981
(The biological effect of a mutagen or carcinogen expressed in terms of the dose of ionizing radiation needed to produce a similar effect.)
RT carcinogens
RT genetic effects
RT mutagens

radiation exposure (doses)
Use radiation doses

RADIATION FLUX
UF *flux (radiation)*
NT1 cosmic ray flux
NT1 neutron flux
NT2 adjoint flux
NT1 solar flux
NT2 diffuse solar radiation
NT2 direct solar radiation
RT flux density
RT point kernels
RT poynting theorem

RADIATION HARDENING
BT1 hardening
*BT1 physical radiation effects

radiation hardening (chemical)
Use chemical radiation effects
AND polymerization

RADIATION HAZARDS
*BT1 health hazards
RT alara
RT fallout
RT fission product release
RT fuel element failure
RT genetically significant dose
RT hot labs
RT icrp critical group
RT irradiation
RT radiation protection
RT radiation protection laws
RT radioactive wastes
RT release limits
RT somatically significant dose
RT unscear

RADIATION HEATING
(Component or materials heating by incident nuclear radiation.)
UF *gamma heating*
UF *neutron heating*
BT1 heating

radiation hygiene
Use radiation protection

RADIATION INDUCED MUTANTS
INIS: Feb 1978; ETDE: Jan 1986
BT1 mutants
RT animal breeding
RT plant breeding

RADIATION INJURIES
(For damage to molecules of biological significance use CHEMICAL RADIATION EFFECTS or STRAND BREAKS.)
UF *damage (radiation, biological)*
UF *radiation damage (biological)*
UF+ *delayed radiation injuries*
UF+ *early radiation injuries*
*BT1 biological radiation effects
*BT1 injuries
NT1 osteoradionecrosis
NT1 radiation burns
NT1 radiodermatitis
RT biological indicators
RT biological repair
RT dna damages
RT host-cell reactivation
RT photoreactivation
RT radiation syndrome
RT radiobiology
RT radioinduction
RT strand breaks

RADIATION LENGTH
*BT1 length
RT bremsstrahlung
RT charged particle detection
RT energy losses
RT half-thickness
RT thickness

radiation logging
Use radioactivity logging

RADIATION MONITORING
UF *control (radioactivity)*
UF *monitoring (radiation)*
UF *surveillance (radioactivity)*
UF *survey (radioactivity)*
BT1 monitoring
NT1 personnel monitoring
RT aerial monitoring
RT aerosol monitoring
RT alarm systems
RT controlled areas
RT dosemeters
RT dosimetry
RT exposure ratemeters
RT inspection
RT radiation detection
RT radiation protection
RT radioactivity
RT radioassay
RT site characterization

RADIATION MONITORS
UF *alarm dosemeters*
UF *monitors (radiation)*
*BT1 monitors
NT1 exposure ratemeters
NT1 liquid contamination monitors
NT1 neutron monitors
NT1 surface contamination monitors
NT1 survey monitors

RT air samplers
RT alarm systems
RT dosemeters
RT radiation detectors
RT radioactivity

RADIATION PRESSURE

UF *pressure (radiation)*
RT electromagnetic radiation
RT solar wind

RADIATION PROTECTION

UF *health physics*
UF *nuclear safety*
UF *protection (radiation)*
UF *radiation hygiene*
UF *radiation safety*
UF *radiological protection*
UF *safety (nuclear)*
SF *alap*
RT accidents
RT alara
RT annual limit of intake
RT biological shielding
RT biophysics
RT civil defense
RT containment
RT controlled areas
RT decontamination
RT distance
RT dosimetry
RT environment
RT ethical aspects
RT external irradiation
RT fallout
RT fallout shelters
RT federal radiation council
RT gloveboxes
RT gloves
RT half-thickness
RT health hazards
RT hot cells
RT hot labs
RT icns
RT icrp
RT image intensifiers
RT industrial medicine
RT inspection
RT international nuclear event scale
RT legal aspects
RT licensing
RT preventive medicine
RT protective clothing
RT public health
RT radiation hazards
RT radiation monitoring
RT radiation protection laws
RT radiation quality
RT radiation sources
RT radioprotective substances
RT reactor safety
RT recommendations
RT reference man
RT regulations
RT reliability
RT remedial action
RT remote handling
RT respirators
RT safety
RT safety showers
RT safety standards
RT shelters
RT shielding
RT shielding materials
RT shields
RT space flight
RT strahlenschutzkommission
RT television
RT usur
RT whole-body counting
RT working conditions

radiation protection guides

Use recommendations

RADIATION PROTECTION LAWS

INIS: Dec 1976; ETDE: Nov 1976
(Prior to December 1990, this descriptor was spelled RADIATION PROTECTION LAW.)
BT1 laws
RT federal radiation council
RT radiation hazards
RT radiation protection
RT safety standards

RADIATION QUALITY

(For comparative studies on different types of radiation.)
RT energy losses
RT half-thickness
RT ionization
RT let
RT quality factor
RT radiation effects
RT radiation protection
RT radiations
RT rbe

radiation safety

Use radiation protection

RADIATION SCATTERING ANALYSIS

*BT1 nondestructive analysis
RT ion scattering analysis
RT radiometric analysis
RT scattering

RADIATION SOURCE IMPLANTS

UF *implanted sources*
BT1 implants
BT1 radiation sources
RT afterloading
RT brachytherapy
RT internal irradiation
RT irradiation capsules
RT radiotherapy

RADIATION SOURCES

(For cosmic sources of radiation see also COSMIC GAMMA SOURCES, COSMIC RADIO SOURCES, and COSMIC X-RAY SOURCES.)
UF *applicators (radiotherapy)*
UF *radioapplicators*
NT1 gamma sources
NT1 light sources
NT1 particle sources
NT2 alpha sources
NT2 antiproton sources
NT2 beta sources
NT2 deuteron sources
NT2 electron sources
NT3 pierce electron guns
NT2 neutron sources
NT3 neutron generators
NT3 nisus facility
NT2 positron sources
NT2 proton sources
NT1 point sources
NT1 portable sources
NT1 radiation source implants
NT1 sealed sources
NT1 synchrotron radiation sources
NT2 advanced light source
NT2 advanced photon source
NT2 european synchrotron radiation facility
NT2 indus-1
NT2 indus-2
NT2 kek photon factory
NT2 lnls storage ring
NT2 nsls
NT2 pohang light source
NT2 spring-8 storage ring
NT2 surf ii storage ring
NT2 swiss light source
NT1 unsealed sources
NT1 x-ray sources
RT containers
RT irradiation
RT irradiation devices
RT irradiation plants
RT lasers
RT masers
RT radiation protection
RT radiations
RT radioactivity
RT radioisotopes
RT well logging equipment

RADIATION STREAMING

UF *streaming (radiation)*
RT radiations

RADIATION SYNDROME

RT acute irradiation
RT autonomic nervous system
RT bone marrow
RT central nervous system
RT chronic irradiation
RT delayed radiation effects
RT gastrointestinal tract
RT latency period
RT lymphatic system
RT lymphocytes
RT muscles
RT radiation injuries

RADIATION TRANSPORT

UF *transport (radiation)*
NT1 charged-particle transport
NT2 proton transport
NT1 neutral-particle transport
NT2 atom transport
NT2 neutron transport
NT2 photon transport
RT transport theory

RADIATIONLESS DECAY

(Emissionless transfer of excited-state energy from one quantum system to another, e.g. between atoms in gas mixtures.)
UF *radiationless transitions*
*BT1 de-excitation
BT1 energy transfer
RT fluorescence

radiationless transitions

Use radiationless decay

RADIATIONS

NT1 background radiation
NT1 delta rays
NT1 electromagnetic radiation
NT2 auroral hiss
NT2 blackbody radiation
NT2 bremsstrahlung
NT3 cyclotron radiation
NT3 internal bremsstrahlung
NT3 ondulator radiation
NT3 synchrotron radiation
NT2 cherenkov radiation
NT2 coherent radiation
NT2 electromagnetic pulses
NT3 internal electromagnetic pulses
NT2 gamma radiation
NT3 delayed gamma radiation
NT3 prompt gamma radiation

NT2 helicon waves
NT2 infrared radiation
NT3 far infrared radiation
NT3 intermediate infrared radiation
NT3 near infrared radiation
NT2 laser radiation
NT2 microwave radiation
NT3 relict radiation
NT2 monochromatic radiation
NT2 multipole radiation
NT2 radiowave radiation
NT3 long wave radiation
NT3 medium wave radiation
NT3 radio noise
NT4 atmospherics
NT4 whistlers
NT3 radioecho
NT3 short wave radiation
NT3 solar radio bursts
NT3 solar radiowave radiation
NT2 thermal radiation
NT2 transition radiation
NT2 ultralow frequency radiation
NT2 ultraviolet radiation
NT3 extreme ultraviolet radiation
NT3 far ultraviolet radiation
NT3 near ultraviolet radiation
NT2 visible radiation
NT2 x radiation
NT3 hard x radiation
NT3 soft x radiation
NT2 zodiacal light
NT1 gravitational radiation
NT2 gravitons
NT1 ionizing radiations
NT2 alpha particles
NT3 cosmic alpha particles
NT3 delayed alpha particles
NT3 solar alpha particles
NT2 beta particles
NT2 cosmic radiation
NT3 cosmic neutrinos
NT3 cosmic photons
NT3 cosmic protons
NT3 hard component
NT3 primary cosmic radiation
NT4 cosmic alpha particles
NT4 cosmic gamma bursts
NT4 cosmic nuclei
NT4 cosmic x-ray bursts
NT3 secondary cosmic radiation
NT4 cosmic electrons
NT4 cosmic kaons
NT4 cosmic muons
NT4 cosmic neutrons
NT4 cosmic pions
NT4 cosmic positrons
NT4 cosmic showers
NT5 extensive air showers
NT3 soft component
NT2 gamma radiation
NT3 delayed gamma radiation
NT3 prompt gamma radiation
NT2 x radiation
NT3 hard x radiation
NT3 soft x radiation
NT1 stellar radiation
NT2 solar radiation
NT3 diffuse solar radiation
NT3 direct solar radiation
NT3 solar particles
NT4 solar alpha particles
NT4 solar electrons
NT4 solar neutrinos
NT4 solar neutrons
NT4 solar protons
NT3 solar radiowave radiation
NT1 stray radiation
RT absorption
RT biophysics
RT buildup
RT dosimetry
RT irradiation
RT radiation detection
RT radiation doses
RT radiation effects
RT radiation quality
RT radiation sources
RT radiation streaming

radiative capture

Use capture

RADIATIVE COOLING

INIS: Feb 1977; ETDE: Oct 1975
BT1 cooling
RT air conditioning
RT radiant heat transfer
RT solar air conditioning

RADIATIVE CORRECTIONS

BT1 corrections
RT electromagnetic interactions
RT phi4-field theory
RT quantum field theory

RADIATIVE DECAY

INIS: Sep 1980; ETDE: May 1978
(Weak or electromagnetic decay involving photons.)
*BT1 particle decay
RT electromagnetic particle decay
RT weak particle decay

radiative transfer

Use radiant heat transfer

RADIATOR COUNTERS

RT activation detectors
RT nuclear emulsions
RT proton recoil detectors
RT semiconductor detectors

RADIATORS

(Limited to heat radiators.)
BT1 heat exchangers

RADICALS

(Not to be used for chemical compounds.)
UF *free radicals*
NT1 acyl radicals
NT2 acetyl radicals
NT2 formyl radicals
NT1 alkoxy radicals
NT2 butoxy radicals
NT2 ethoxy radicals
NT2 methoxy radicals
NT1 alkyl radicals
NT2 allyl radicals
NT2 butyl radicals
NT2 dodecyl radicals
NT2 ethyl radicals
NT2 heptyl radicals
NT2 hexyl radicals
NT2 isobutyl radicals
NT2 isopropyl radicals
NT2 methyl radicals
NT2 octyl radicals
NT2 pentyl radicals
NT2 propargyl radicals
NT2 propyl radicals
NT2 vinyl radicals
NT1 aryl radicals
NT2 benzyl radicals
NT2 mesityl radicals
NT2 naphthyl radicals
NT2 phenethyl radicals
NT2 phenyl radicals
NT2 tolyl radicals
NT1 benzoyl radicals
NT1 carbenes
NT1 carbonyl radicals
NT1 carbynes
NT1 dpph
NT1 hydronium radicals
NT1 hydroperoxy radicals
NT1 hydroxyl radicals
NT1 methylene radicals
NT1 nitroxyl radicals
NT1 peroxy radicals
NT1 phenoxy radicals
NT1 phenylene radicals
NT1 picryl radicals
NT1 pyridyl radicals
NT1 sulfhydryl radicals
NT1 superoxide radicals
NT1 thiyl radicals
NT1 vinylidene radicals
RT reaction intermediates
RT scavenging

RADICIDATION

(Use of irradiation to destroy microorganisms in food which are detrimental to health.)
UF *food irradiation (radiopasteurization)*
UF *radiopasteurization*
BT1 irradiation
*BT1 pasteurization
RT food
RT health hazards
RT ifip

RADIO EQUIPMENT

INIS: Mar 1981; ETDE: Dec 1976
UF *radio receivers*
UF *radio transmitters*
*BT1 electronic equipment
NT1 heterodyne receivers
NT1 ionosondes
NT1 radio telescopes
RT antennas
RT communications
RT microwave equipment
RT radar
RT radio equipment power supplies
RT radiowave radiation
RT rf systems
RT television

RADIO EQUIPMENT POWER SUPPLIES

INIS: Apr 2000; ETDE: Jan 1975
*BT1 power supplies
RT radio equipment

radio frequency quadrupoles

Use quadrupole linacs

RADIO GALAXIES

BT1 cosmic radio sources
BT1 galaxies
RT quasars

RADIO NOISE

UF *cosmic noise*
BT1 noise
*BT1 radiowave radiation
NT1 atmospherics
NT1 whistlers
RT background noise
RT interference

radio receivers

Use radio equipment

radio-receptor assay

Use radioreceptor assay

RADIO-RELEASE ANALYSIS

(Substance to be measured reacts chemically with a converter substance to release a radioactive material.)

UF *radiorelease analysis*
*BT1 quantitative chemical analysis
RT gas analysis
RT tracer techniques

RADIO TELESCOPES

*BT1 antennas
*BT1 radio equipment
BT1 telescopes
RT interferometers

radio transmitters

Use radio equipment

RADIOACTIVATION

(For activation cross sections see also INTEGRAL CROSS SECTIONS.)

UF *activation (radio)*
RT activation analysis
RT labelling
RT neutron capture therapy
RT neutron sources

RADIOACTIVE AEROSOLS

UF+ *radioactive particulates*
*BT1 aerosols
RT aerosol monitoring
RT fallout
RT particle resuspension
RT radioactive clouds

radioactive biological wastes

Use biological wastes
AND radioactive wastes

RADIOACTIVE CLOUDS

UF *atomic clouds*
BT1 clouds
RT accidents
RT aerial monitoring
RT aerosols
RT air
RT earth atmosphere
RT external irradiation
RT fallout
RT nuclear explosions
RT radioactive aerosols
RT radioactivity
RT stacks
RT washout
RT wind

radioactive decontamination

Use decontamination

RADIOACTIVE EFFLUENTS

UF *effluents (radioactive)*
*BT1 radioactive wastes
RT chemical effluents
RT gaseous wastes
RT liquid wastes
RT particle resuspension
RT radioactive waste disposal
RT stack disposal

radioactive gaseous wastes

Use gaseous wastes
AND radioactive wastes

RADIOACTIVE ION BEAMS

INIS: Feb 1992; ETDE: Apr 1992

*BT1 ion beams
NT1 argon 39 beams
NT1 beryllium 7 beams
NT1 carbon 10 beams
NT1 carbon 11 beams
NT1 carbon 14 beams
NT1 chlorine 39 beams
NT1 helium 8 beams
NT1 neon 19 beams
NT1 nitrogen 13 beams
NT1 sulfur 38 beams
NT1 triton beams
NT1 uranium 238 beams

RADIOACTIVE IONIZATION GAGES

*BT1 ionization gages

RADIOACTIVE MATERIALS

BT1 materials
NT1 fission products
NT1 radioactive minerals
NT2 baddeleyite
NT2 corvusite
NT2 fersmite
NT2 kainosite
NT2 melanovanadite
NT2 pascoite
NT2 rutile
NT2 thorium minerals
NT3 allanite
NT3 bastnaesite
NT3 brannerite
NT3 ekanite
NT3 freyalite
NT3 hydrothorite
NT3 lodochnikite
NT3 lyndochite
NT3 mackintoshite
NT3 maitlandite
NT3 monazites
NT3 naegite
NT3 thorianite
NT3 thorite
NT4 jiningite
NT3 thucholite
NT3 uranothorite
NT2 uranium minerals
NT3 autunite
NT3 bassetite
NT3 becquerelite
NT3 billietite
NT3 brannerite
NT3 carnotite
NT3 clarkeite
NT3 coffinite
NT3 compreignacite
NT3 dewindtite
NT3 diderichite
NT3 djalmaite
NT3 ekanite
NT3 ellsworthite
NT3 ferghanite
NT3 fourmarierite
NT3 gastunite
NT3 guilleminite
NT3 hallimondite
NT3 heinrichite
NT3 ianthinite
NT3 kahlerite
NT3 kirchheimerite
NT3 lodochnikite
NT3 mackintoshite
NT3 moctezumite
NT3 montroseite
NT3 naegite
NT3 natroautunite
NT3 ningyoite
NT3 novacekite
NT3 para-schoepite
NT3 ranquilite
NT3 rauvite
NT3 sabugalite
NT3 saleeite
NT3 schoepite
NT3 sengierite
NT3 sklodowskite
NT3 soddyite
NT3 thorianite
NT3 thucholite
NT3 torbernite
NT3 tyuyamunite
NT3 uraninites
NT4 broeggerite
NT4 pitchblende
NT3 uranium black
NT3 uranophane
NT3 uranothorite
NT3 vesuvianite
NT1 radioactive wastes
NT2 alpha-bearing wastes
NT2 calcined wastes
NT2 high-level radioactive wastes
NT2 intermediate-level radioactive wastes
NT2 low-level radioactive wastes
NT2 radioactive effluents
NT2 waste forms
NT1 radiopharmaceuticals
RT radioactivity
RT radioisotopes

RADIOACTIVE MINERALS

UF+ *cordylite*
UF+ *florencite*
BT1 minerals
*BT1 radioactive materials
NT1 baddeleyite
NT1 corvusite
NT1 fersmite
NT1 kainosite
NT1 melanovanadite
NT1 pascoite
NT1 rutile
NT1 thorium minerals
NT2 allanite
NT2 bastnaesite
NT2 brannerite
NT2 ekanite
NT2 freyalite
NT2 hydrothorite
NT2 lodochnikite
NT2 lyndochite
NT2 mackintoshite
NT2 maitlandite
NT2 monazites
NT2 naegite
NT2 thorianite
NT2 thorite
NT3 jiningite
NT2 thucholite
NT2 uranothorite
NT1 uranium minerals
NT2 autunite
NT2 bassetite
NT2 becquerelite
NT2 billietite
NT2 brannerite
NT2 carnotite
NT2 clarkeite
NT2 coffinite
NT2 compreignacite
NT2 dewindtite
NT2 diderichite
NT2 djalmaite
NT2 ekanite
NT2 ellsworthite
NT2 ferghanite
NT2 fourmarierite
NT2 gastunite
NT2 guilleminite
NT2 hallimondite
NT2 heinrichite
NT2 ianthinite

NT2 kahlerite
NT2 kirchheimerite
NT2 lodochnikite
NT2 mackintoshite
NT2 moctezumite
NT2 montroseite
NT2 naegite
NT2 natroautunite
NT2 ningyoite
NT2 novacekite
NT2 para-schoepite
NT2 ranquilite
NT2 rauvite
NT2 sabugalite
NT2 saleeite
NT2 schoepite
NT2 sengierite
NT2 sklodowskite
NT2 soddyite
NT2 thorianite
NT2 thucholite
NT2 torbernite
NT2 tyuyamunite
NT2 uraninites
NT3 broeggerite
NT3 pitchblende
NT2 uranium black
NT2 uranophane
NT2 uranothorite
NT2 vesuvianite

radioactive particulates

Use particles
AND radioactive aerosols

RADIOACTIVE TRACER LOGGING

INIS: Jun 1977; ETDE: Jun 1976
(Well logging using radioactive tracers for measuring fluid movement and for obtaining source and sink information.)
*BT1 radioactivity logging
*BT1 tracer techniques

radioactive tracers

See radiopharmaceuticals
OR tracer techniques

RADIOACTIVE WASTE DISPOSAL

*BT1 radioactive waste management
*BT1 waste disposal
RT actinide burner reactors
RT backfilling
RT biointrusion
RT boom clay
RT dalhart basin
RT disposal wells
RT environmental exposure pathway
RT fission product release
RT fuel cycle centers
RT ground release
RT marine disposal
RT natural analogue
RT novaya zemlya
RT nuclear waste policy acts
RT palo duro basin
RT paradox basin
RT pasco basin
RT permian basin
RT radioactive effluents
RT radioactive waste facilities
RT radioactive waste storage
RT radioactive wastes
RT salt caverns
RT salt deposits
RT shaft excavations
RT stack disposal
RT underground disposal
RT waste forms
RT waste-rock interactions
RT yucca mountain

RADIOACTIVE WASTE FACILITIES

BT1 nuclear facilities
NT1 asse salt mine
NT1 aube plant
NT1 gorleben salt dome
NT1 konrad ore mine
NT1 manche plant
NT1 mochovce radioactive waste repository
NT1 morsleben salt mine
NT1 pamela plant
NT1 vaalputs radioactive waste disposal facility
NT1 wipp
RT biointrusion
RT fuel cycle centers
RT fuel reprocessing plants
RT radioactive waste disposal
RT radioactive waste processing
RT radioactive wastes
RT storage facilities
RT waste retrieval

RADIOACTIVE WASTE MANAGEMENT

INIS: Nov 1990; ETDE: Feb 1975
*BT1 waste management
NT1 radioactive waste disposal
NT1 radioactive waste processing
NT2 harvest process
NT1 radioactive waste storage
NT2 monitored retrievable storage
RT compact commissions
RT radioactive wastes
RT risk assessment

radioactive waste policy acts

Use nuclear waste policy acts

RADIOACTIVE WASTE PROCESSING

UF *aralex process*
UF *opix process*
SF *medec process*
*BT1 radioactive waste management
*BT1 waste processing
NT1 harvest process
RT accelerator driven transmutation
RT calcination
RT calcined wastes
RT ceramic melters
RT encapsulation
RT fuel cycle centers
RT iodox process
RT pamela plant
RT radioactive waste facilities
RT radioactive wastes
RT slagging pyrolysis process
RT synroc process
RT vitrification
RT waste forms

RADIOACTIVE WASTE STORAGE

*BT1 radioactive waste management
*BT1 waste storage
NT1 monitored retrievable storage
RT dry storage
RT fuel cycle centers
RT harvest process
RT radioactive waste disposal
RT us mrs project
RT wet storage

RADIOACTIVE WASTES

UF *nuclear wastes*
UF *residues (radioactive)*
UF+ *radioactive biological wastes*
UF+ *radioactive gaseous wastes*
*BT1 radioactive materials
BT1 wastes
NT1 alpha-bearing wastes
NT1 calcined wastes
NT1 high-level radioactive wastes
NT1 intermediate-level radioactive wastes
NT1 low-level radioactive wastes
NT1 radioactive effluents
NT1 waste forms
RT contamination
RT fission products
RT fissionable materials
RT ground disposal
RT mill tailings
RT nuclear materials management
RT nuclear waste policy acts
RT radiation hazards
RT radioactive waste disposal
RT radioactive waste facilities
RT radioactive waste management
RT radioactive waste processing
RT radiocolloids
RT radioisotope heat sources
RT release limits
RT salt vault project
RT spent fuels
RT waste pellets
RT waste retrieval

RADIOACTIVITY

(For measured values of radioactivity and for unidentified radiation sources.)
UF *concentrations (radionuclides)*
UF *induced radioactivity*
UF *radionuclide concentration*
NT1 natural radioactivity
RT activity levels
RT annual limit of intake
RT body burden
RT contamination
RT hot labs
RT maximum inhalation quantity
RT maximum permissible activity
RT maximum permissible body burden
RT maximum permissible intake
RT maximum permissible level
RT personnel monitoring
RT radiation monitoring
RT radiation monitors
RT radiation sources
RT radioactive clouds
RT radioactive materials
RT radioassay
RT radioecological concentration
RT radioisotopes
RT radiometric analysis
RT radionuclide kinetics
RT residence half-time
RT surface contamination
RT whole-body counting

RADIOACTIVITY LOGGING

INIS: Oct 1976; ETDE: Jun 1976
(Well logging using either natural or induced nuclear radiation.)
UF *nuclear log*
UF *radiation logging*
BT1 well logging
NT1 gamma logging
NT1 gamma-gamma logging
NT1 neutron logging
NT2 neutron-gamma logging
NT2 neutron-neutron logging
NT1 radioactive tracer logging
NT1 x-ray fluorescence logging
RT radiometric surveys

RADIOACTIVITY TRANSPORT
INIS: May 1976; ETDE: Aug 1976
(The processes by which radioactive materials move and become deposited throughout a reactor system.)
UF *activity transport*
RT contamination

radioapplicators
Use radiation sources

RADIOASSAY
(The measurement of radioactive samples including the identification of unknown samples and the determination of activity or energy.)
NT1 radioimmunodetection
NT2 radioimmunoassay
NT2 radioimmunoscintigraphy
NT1 radioreceptor assay
RT bioassay
RT counting techniques
RT qualitative chemical analysis
RT radiation monitoring
RT radioactivity
RT radioenzymatic assay
RT spectroscopy

RADIOASTRONOMY
BT1 astronomy
RT cosmic radio sources
RT ghz range
RT mhz range
RT solar radio bursts

radioautography
Use autoradiography

radiobiological effects
Use biological radiation effects

RADIOBIOLOGY
BT1 biology
RT biological radiation effects
RT biophysics
RT molecular biology
RT radiation effects
RT radiation injuries
RT radioinduction
RT radiosensitivity
RT tracer techniques

radiocarbon dating
Use carbon 14
AND isotope dating

RADIOCARDIOGRAPHY
*BT1 cardiography

radiochemical activation analysis
Use activation analysis

RADIOCHEMICAL ANALYSIS
(Quantitative analysis based on a combination of radiochemical and radiometric techniques. Until October 1994 this concept was indexed to RADIOMETRIC ANALYSIS.)
*BT1 quantitative chemical analysis
RT radiometric analysis

radiochemical laboratories
Use hot labs

RADIOCHEMISTRY
(The chemistry of radioactive materials. Not to be used for RADIATION CHEMISTRY.)
UF *reactor chemistry*
BT1 chemistry
NT1 hot atom chemistry
NT2 szilard-chalmers reaction
RT emanation method
RT nuclear chemistry
RT radiation chemistry

RADIOCHROMATOGRAPHY
*BT1 chromatography

RADIOCOLLOIDS
*BT1 colloids
NT1 thorotrast
RT gold 198
RT isotope applications
RT radioactive wastes
RT radiopharmaceuticals

radiocrystallography
Use crystallography

radiodecomposition
Use radiolysis

RADIODERMATITIS
*BT1 dermatitis
*BT1 local radiation effects
*BT1 radiation injuries
RT radiation burns

radiodiagnosis (radionuclides)
Use diagnosis
AND nuclear medicine

RADIODISINFESTATION
INIS: Dec 1980; ETDE: Jan 1975
BT1 disinfestation
BT1 irradiation
RT grain disinfestation
RT insects
RT radiosterilization

RADIOECHO
*BT1 radiowave radiation

RADIOECOLOGICAL CONCENTRATION
UF *accumulation (radioecological)*
BT1 ecological concentration
RT biological localization
RT buildup
RT concentration ratio
RT contamination
RT ecosystems
RT environmental transport
RT food chains
RT radioactivity
RT radionuclide migration

RADIOECOLOGY
BT1 ecology
RT radionuclide migration

radioelectric cells
Use direct collection converters

RADIOENZYMATIC ASSAY
INIS: Sep 1981; ETDE: Oct 1981
RT enzymes
RT labelled compounds
RT quantitative chemical analysis
RT radioassay

radiofrequency systems
Use rf systems

radiographs
Use images

radiography (auto)
Use autoradiography

radiography (biomedical)
Use biomedical radiography

radiography (industrial)
Use industrial radiography

radiography (micro)
Use microradiography

RADIOIMMUNOASSAY
UF *ria (radioimmunoassay)*
*BT1 immunoassay
*BT1 radioimmunodetection
RT antibodies
RT antigen-antibody reactions
RT antigens
RT cpb
RT labelled compounds
RT radioimmunology
RT radioimmunoscintigraphy
RT radioisotopes

RADIOIMMUNODETECTION
INIS: Feb 1982; ETDE: Jan 1990
BT1 diagnostic techniques
BT1 radioassay
*BT1 tracer techniques
NT1 radioimmunoassay
NT1 radioimmunoscintigraphy
RT antibodies
RT labelled compounds
RT neoplasms

RADIOIMMUNOLOGY
BT1 immunology
RT biological radiation effects
RT grafts
RT immunity
RT irradiation
RT radioimmunoassay
RT radioimmunotherapy
RT therapy

RADIOIMMUNOSCINTIGRAPHY
INIS: Dec 1987; ETDE: Oct 1987
(The in vivo use of radiolabelled antibodies to visualize particular biological structures, especially diagnostic use in medicine.)
*BT1 radioimmunodetection
*BT1 scintiscanning
RT monoclonal antibodies
RT radioimmunoassay
RT radioimmunotherapy

RADIOIMMUNOTHERAPY
INIS: Feb 1994; ETDE: Jan 1986
(Until March 1994 this concept was indexed by RADIOTHERAPY and IMMUNOTHERAPY.)
*BT1 immunotherapy
*BT1 radiotherapy
RT antibodies
RT monoclonal antibodies
RT radioimmunology
RT radioimmunoscintigraphy

radioinduced reactions
Use chemical radiation effects

RADIOINDUCTION
(Until August 1994 this concept was indexed by RADIATION EFFECTS.)
RT biological radiation effects
RT radiation injuries
RT radiobiology

RADIOISOTOPE BATTERIES
UF *batteries (isotopic)*
BT1 direct energy converters
NT1 snap batteries
NT2 snap 19 battery
NT2 snap 27 battery
NT2 snap 9 battery

RT cardiac pacemakers
RT direct collection converters
RT mechanical heart
RT radioisotope heat sources
RT radioisotopes
RT spacecraft power supplies
RT thermoelectric generators

RADIOISOTOPE GENERATORS

UF *cow-milkers*
UF *generators (radioisotope)*
RT cesium 137
RT daughter products
RT decay
RT diagnostic techniques
RT germanium 68
RT half-life
RT isotope production
RT isotope separation
RT magnesium 28
RT molybdenum 99
RT strontium 90
RT tellurium 132
RT tin 113
RT yttrium 87

RADIOISOTOPE HEAT SOURCES

UF *heat sources (radioisotope)*
BT1 heat sources
RT energy
RT radioactive wastes
RT radioisotope batteries
RT thermoelectric generators

radioisotope kinetics

Use radionuclide kinetics

radioisotope-labelled drugs

Use radiopharmaceuticals

radioisotope migration

Use radionuclide migration

RADIOISOTOPE SCANNERS

UF *scanners (radioisotope)*
RT gamma cameras
RT image processing
RT image scanners
RT images
RT positron cameras
RT radiation detectors
RT radioisotope scanning

RADIOISOTOPE SCANNING

UF *scanning (radioisotope)*
BT1 counting techniques
NT1 scintiscanning
NT2 radioimmunoscintigraphy
RT cameras
RT ecat scanning
RT emission computed tomography
RT gamma detection
RT nuclear medicine
RT positron computed tomography
RT radioisotope scanners
RT single photon emission computed tomography
RT tomography

RADIOISOTOPES

UF *radionuclides*
BT1 isotopes
NT1 alpha decay radioisotopes
NT2 actinium 207
NT2 actinium 208
NT2 actinium 209
NT2 actinium 210
NT2 actinium 211
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NT2 actinium 227
NT2 americium 232
NT2 americium 237
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NT2 berkelium 249
NT2 beryllium 8
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NT2 bismuth 188
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NT2 bismuth 190
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NT2 bismuth 214
NT2 boron 9
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NT2 dysprosium 154
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NT2 element 104 255
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NT2 element 111 272
NT2 element 112 277
NT2 erbium 152
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NT2 europium 147
NT2 europium 148
NT2 fermium 243
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NT2 hafnium 162
NT2 hafnium 174
NT2 helium 5
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NT2 holmium 152
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NT2 holmium 155
NT2 iodine 108
NT2 iodine 111
NT2 iridium 166
NT2 iridium 167
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NT2 lead 184
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NT2 lead 186
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NT2 lead 192
NT2 lead 210
NT2 lithium 5
NT2 lutetium 155
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NT2 tantalum 157
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NT2 uranium 236
NT2 uranium 238
NT2 xenon 110
NT2 xenon 111
NT2 xenon 112
NT2 ytterbium 154
NT2 ytterbium 155
NT2 ytterbium 156
NT2 ytterbium 157
NT2 ytterbium 158
NT1 beta decay radioisotopes
NT2 beta-minus decay radioisotopes
NT3 actinium 226
NT3 actinium 227
NT3 actinium 228
NT3 actinium 229
NT3 actinium 230
NT3 actinium 231
NT3 actinium 232
NT3 actinium 233
NT3 actinium 234
NT3 aluminium 28
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NT3 antimony 127
NT3 antimony 128
NT3 antimony 129
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NT3 antimony 135
NT3 antimony 136
NT3 argon 39
NT3 argon 41
NT3 argon 42
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NT3 argon 45
NT3 argon 46
NT3 arsenic 74
NT3 arsenic 76
NT3 arsenic 77
NT3 arsenic 78
NT3 arsenic 79
NT3 arsenic 80
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NT3 arsenic 82
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NT3 cadmium 113
NT3 cadmium 115
NT3 cadmium 117
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NT3 cadmium 128
NT3 cadmium 130
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NT3 chlorine 36
NT3 chlorine 38
NT3 chlorine 39
NT3 chlorine 40
NT3 chlorine 41
NT3 chromium 55
NT3 chromium 56
NT3 chromium 57
NT3 chromium 58
NT3 chromium 59
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NT3 cobalt 60
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NT3 cobalt 62
NT3 cobalt 63
NT3 cobalt 64
NT3 cobalt 65
NT3 cobalt 66
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NT3 copper 66
NT3 copper 67
NT3 copper 68
NT3 copper 69
NT3 copper 70
NT3 copper 71
NT3 copper 72
NT3 copper 73
NT3 copper 74
NT3 copper 75
NT3 copper 76
NT3 copper 77
NT3 copper 78
NT3 copper 79
NT3 curium 249
NT3 curium 250
NT3 curium 251
NT3 dysprosium 165
NT3 dysprosium 166
NT3 dysprosium 167
NT3 dysprosium 168
NT3 dysprosium 169
NT3 einsteinium 254
NT3 einsteinium 255
NT3 einsteinium 256
NT3 erbium 169
NT3 erbium 171
NT3 erbium 172
NT3 erbium 173
NT3 erbium 174
NT3 erbium 175
NT3 europium 150
NT3 europium 152
NT3 europium 154
NT3 europium 155
NT3 europium 156
NT3 europium 157
NT3 europium 158
NT3 europium 159
NT3 europium 160
NT3 europium 161
NT3 europium 162
NT3 fluorine 20
NT3 fluorine 21
NT3 fluorine 22
NT3 fluorine 23
NT3 fluorine 24
NT3 fluorine 25
NT3 fluorine 26
NT3 fluorine 27
NT3 francium 220
NT3 francium 222
NT3 francium 223
NT3 francium 224
NT3 francium 225
NT3 francium 226
NT3 francium 227
NT3 francium 228
NT3 francium 229
NT3 francium 230
NT3 francium 231
NT3 gadolinium 159
NT3 gadolinium 161
NT3 gadolinium 162
NT3 gadolinium 163
NT3 gadolinium 164
NT3 gadolinium 165
NT3 gallium 70
NT3 gallium 72
NT3 gallium 73
NT3 gallium 74
NT3 gallium 75
NT3 gallium 76
NT3 gallium 77
NT3 gallium 78
NT3 gallium 79
NT3 gallium 80
NT3 gallium 81
NT3 gallium 82
NT3 gallium 83
NT3 gallium 84
NT3 germanium 75
NT3 germanium 77
NT3 germanium 78
NT3 germanium 79
NT3 germanium 80
NT3 germanium 81
NT3 germanium 82
NT3 germanium 83
NT3 germanium 84
NT3 germanium 85
NT3 gold 196
NT3 gold 198
NT3 gold 199
NT3 gold 200
NT3 gold 201
NT3 gold 202
NT3 gold 203
NT3 gold 204
NT3 gold 205
NT3 hafnium 181
NT3 hafnium 182
NT3 hafnium 183
NT3 hafnium 184
NT3 helium 6
NT3 helium 7
NT3 helium 8
NT3 holmium 164
NT3 holmium 166
NT3 holmium 167
NT3 holmium 168
NT3 holmium 169
NT3 holmium 170
NT3 holmium 171
NT3 holmium 172
NT3 indium 112
NT3 indium 114
NT3 indium 115
NT3 indium 116
NT3 indium 117
NT3 indium 118
NT3 indium 119
NT3 indium 120
NT3 indium 121
NT3 indium 122
NT3 indium 123
NT3 indium 124
NT3 indium 125

NT3 indium 126
NT3 indium 127
NT3 indium 128
NT3 indium 129
NT3 indium 130
NT3 indium 131
NT3 indium 132
NT3 indium 133
NT3 indium 134
NT3 indium 135
NT3 iodine 126
NT3 iodine 128
NT3 iodine 129
NT3 iodine 130
NT3 iodine 131
NT3 iodine 132
NT3 iodine 133
NT3 iodine 134
NT3 iodine 135
NT3 iodine 136
NT3 iodine 137
NT3 iodine 138
NT3 iodine 139
NT3 iodine 140
NT3 iodine 141
NT3 iodine 142
NT3 iridium 192
NT3 iridium 194
NT3 iridium 195
NT3 iridium 196
NT3 iridium 197
NT3 iridium 198
NT3 iron 59
NT3 iron 60
NT3 iron 61
NT3 iron 62
NT3 iron 63
NT3 iron 64
NT3 krypton 85
NT3 krypton 87
NT3 krypton 88
NT3 krypton 89
NT3 krypton 90
NT3 krypton 91
NT3 krypton 92
NT3 krypton 93
NT3 krypton 94
NT3 krypton 95
NT3 krypton 97
NT3 lanthanum 138
NT3 lanthanum 140
NT3 lanthanum 141
NT3 lanthanum 142
NT3 lanthanum 143
NT3 lanthanum 144
NT3 lanthanum 145
NT3 lanthanum 146
NT3 lanthanum 147
NT3 lanthanum 148
NT3 lanthanum 149
NT3 lanthanum 150
NT3 lead 209
NT3 lead 210
NT3 lead 211
NT3 lead 212
NT3 lead 213
NT3 lead 214
NT3 lithium 11
NT3 lithium 13
NT3 lithium 8
NT3 lithium 9
NT3 lutetium 176
NT3 lutetium 177
NT3 lutetium 178
NT3 lutetium 179
NT3 lutetium 180
NT3 lutetium 181
NT3 lutetium 182
NT3 lutetium 183
NT3 lutetium 184
NT3 lutetium 187
NT3 magnesium 27
NT3 magnesium 28
NT3 magnesium 29
NT3 magnesium 30
NT3 magnesium 31
NT3 magnesium 32
NT3 magnesium 33
NT3 magnesium 34
NT3 manganese 56
NT3 manganese 57
NT3 manganese 58
NT3 manganese 59
NT3 manganese 60
NT3 manganese 61
NT3 manganese 62
NT3 manganese 63
NT3 mercury 203
NT3 mercury 205
NT3 mercury 206
NT3 molybdenum 101
NT3 molybdenum 102
NT3 molybdenum 103
NT3 molybdenum 104
NT3 molybdenum 105
NT3 molybdenum 106
NT3 molybdenum 107
NT3 molybdenum 108
NT3 molybdenum 109
NT3 molybdenum 99
NT3 neodymium 147
NT3 neodymium 149
NT3 neodymium 151
NT3 neodymium 152
NT3 neodymium 153
NT3 neodymium 154
NT3 neodymium 155
NT3 neodymium 156
NT3 neon 23
NT3 neon 24
NT3 neon 25
NT3 neon 26
NT3 neon 27
NT3 neon 29
NT3 neon 30
NT3 neptunium 236
NT3 neptunium 238
NT3 neptunium 239
NT3 neptunium 240
NT3 neptunium 241
NT3 neptunium 242
NT3 neptunium 243
NT3 neptunium 244
NT3 neutron-rich isotopes
NT3 nickel 63
NT3 nickel 65
NT3 nickel 66
NT3 nickel 67
NT3 nickel 69
NT3 nickel 71
NT3 nickel 72
NT3 nickel 73
NT3 nickel 74
NT3 niobium 100
NT3 niobium 101
NT3 niobium 102
NT3 niobium 103
NT3 niobium 104
NT3 niobium 105
NT3 niobium 106
NT3 niobium 108
NT3 niobium 94
NT3 niobium 95
NT3 niobium 96
NT3 niobium 97
NT3 niobium 98
NT3 niobium 99
NT3 nitrogen 16
NT3 nitrogen 17
NT3 nitrogen 18
NT3 nitrogen 19
NT3 nitrogen 20
NT3 nitrogen 22
NT3 nitrogen 23
NT3 osmium 191
NT3 osmium 193
NT3 osmium 194
NT3 osmium 195
NT3 osmium 196
NT3 oxygen 19
NT3 oxygen 20
NT3 oxygen 21
NT3 oxygen 22
NT3 oxygen 23
NT3 oxygen 24
NT3 palladium 107
NT3 palladium 109
NT3 palladium 111
NT3 palladium 112
NT3 palladium 113
NT3 palladium 114
NT3 palladium 115
NT3 palladium 116
NT3 palladium 117
NT3 palladium 118
NT3 palladium 119
NT3 palladium 120
NT3 phosphorus 32
NT3 phosphorus 33
NT3 phosphorus 34
NT3 phosphorus 35
NT3 phosphorus 36
NT3 phosphorus 37
NT3 phosphorus 38
NT3 phosphorus 40
NT3 phosphorus 41
NT3 phosphorus 42
NT3 platinum 197
NT3 platinum 199
NT3 platinum 200
NT3 platinum 201
NT3 plutonium 241
NT3 plutonium 243
NT3 plutonium 245
NT3 plutonium 246
NT3 polonium 215
NT3 polonium 218
NT3 potassium 40
NT3 potassium 42
NT3 potassium 43
NT3 potassium 44
NT3 potassium 45
NT3 potassium 46
NT3 potassium 47
NT3 potassium 48
NT3 potassium 49
NT3 potassium 50
NT3 potassium 51
NT3 potassium 52
NT3 potassium 53
NT3 potassium 54
NT3 praseodymium 142
NT3 praseodymium 143
NT3 praseodymium 144
NT3 praseodymium 145
NT3 praseodymium 146
NT3 praseodymium 147
NT3 praseodymium 148
NT3 praseodymium 149
NT3 praseodymium 150
NT3 praseodymium 151
NT3 praseodymium 152
NT3 praseodymium 153
NT3 praseodymium 154
NT3 promethium 146
NT3 promethium 147
NT3 promethium 148

NT3 promethium 149
NT3 promethium 150
NT3 promethium 151
NT3 promethium 152
NT3 promethium 153
NT3 promethium 154
NT3 promethium 155
NT3 promethium 156
NT3 promethium 157
NT3 promethium 158
NT3 protactinium 230
NT3 protactinium 232
NT3 protactinium 233
NT3 protactinium 234
NT3 protactinium 235
NT3 protactinium 236
NT3 protactinium 237
NT3 protactinium 238
NT3 protactinium 239
NT3 radium 225
NT3 radium 227
NT3 radium 228
NT3 radium 229
NT3 radium 230
NT3 radium 231
NT3 radium 232
NT3 radon 221
NT3 radon 223
NT3 radon 224
NT3 radon 225
NT3 radon 226
NT3 radon 227
NT3 radon 228
NT3 rhenium 186
NT3 rhenium 187
NT3 rhenium 188
NT3 rhenium 189
NT3 rhenium 190
NT3 rhenium 191
NT3 rhenium 192
NT3 rhodium 102
NT3 rhodium 104
NT3 rhodium 105
NT3 rhodium 106
NT3 rhodium 107
NT3 rhodium 108
NT3 rhodium 109
NT3 rhodium 110
NT3 rhodium 111
NT3 rhodium 112
NT3 rhodium 113
NT3 rhodium 114
NT3 rhodium 115
NT3 rhodium 116
NT3 rhodium 117
NT3 rhodium 118
NT3 rubidium 100
NT3 rubidium 84
NT3 rubidium 86
NT3 rubidium 87
NT3 rubidium 88
NT3 rubidium 89
NT3 rubidium 90
NT3 rubidium 91
NT3 rubidium 92
NT3 rubidium 93
NT3 rubidium 94
NT3 rubidium 95
NT3 rubidium 96
NT3 rubidium 97
NT3 rubidium 98
NT3 rubidium 99
NT3 ruthenium 103
NT3 ruthenium 105
NT3 ruthenium 106
NT3 ruthenium 107
NT3 ruthenium 108
NT3 ruthenium 109
NT3 ruthenium 110
NT3 ruthenium 111
NT3 ruthenium 112
NT3 ruthenium 113
NT3 ruthenium 114
NT3 samarium 151
NT3 samarium 153
NT3 samarium 155
NT3 samarium 156
NT3 samarium 157
NT3 samarium 158
NT3 samarium 159
NT3 samarium 160
NT3 scandium 46
NT3 scandium 47
NT3 scandium 48
NT3 scandium 49
NT3 scandium 50
NT3 scandium 51
NT3 scandium 52
NT3 scandium 53
NT3 selenium 79
NT3 selenium 81
NT3 selenium 83
NT3 selenium 84
NT3 selenium 85
NT3 selenium 86
NT3 selenium 87
NT3 selenium 88
NT3 selenium 89
NT3 selenium 91
NT3 silicon 31
NT3 silicon 32
NT3 silicon 33
NT3 silicon 34
NT3 silicon 35
NT3 silicon 36
NT3 silicon 37
NT3 silicon 38
NT3 silicon 39
NT3 silver 108
NT3 silver 110
NT3 silver 111
NT3 silver 112
NT3 silver 113
NT3 silver 114
NT3 silver 115
NT3 silver 116
NT3 silver 117
NT3 silver 118
NT3 silver 119
NT3 silver 120
NT3 silver 121
NT3 silver 122
NT3 silver 123
NT3 sodium 24
NT3 sodium 25
NT3 sodium 26
NT3 sodium 27
NT3 sodium 28
NT3 sodium 29
NT3 sodium 30
NT3 sodium 31
NT3 sodium 32
NT3 sodium 33
NT3 sodium 34
NT3 sodium 35
NT3 strontium 100
NT3 strontium 101
NT3 strontium 102
NT3 strontium 89
NT3 strontium 90
NT3 strontium 91
NT3 strontium 92
NT3 strontium 93
NT3 strontium 94
NT3 strontium 95
NT3 strontium 96
NT3 strontium 97
NT3 strontium 98
NT3 strontium 99
NT3 sulfur 35
NT3 sulfur 37
NT3 sulfur 38
NT3 sulfur 39
NT3 sulfur 40
NT3 sulfur 43
NT3 tantalum 180
NT3 tantalum 182
NT3 tantalum 183
NT3 tantalum 184
NT3 tantalum 185
NT3 tantalum 186
NT3 technetium 100
NT3 technetium 101
NT3 technetium 102
NT3 technetium 103
NT3 technetium 104
NT3 technetium 105
NT3 technetium 106
NT3 technetium 107
NT3 technetium 108
NT3 technetium 109
NT3 technetium 110
NT3 technetium 111
NT3 technetium 112
NT3 technetium 113
NT3 technetium 98
NT3 technetium 99
NT3 tellurium 127
NT3 tellurium 129
NT3 tellurium 131
NT3 tellurium 132
NT3 tellurium 133
NT3 tellurium 134
NT3 tellurium 135
NT3 tellurium 136
NT3 tellurium 137
NT3 tellurium 138
NT3 terbium 156
NT3 terbium 158
NT3 terbium 160
NT3 terbium 161
NT3 terbium 162
NT3 terbium 163
NT3 terbium 164
NT3 terbium 165
NT3 terbium 166
NT3 thallium 204
NT3 thallium 206
NT3 thallium 207
NT3 thallium 208
NT3 thallium 209
NT3 thallium 210
NT3 thorium 231
NT3 thorium 233
NT3 thorium 234
NT3 thorium 235
NT3 thorium 236
NT3 thorium 237
NT3 thulium 168
NT3 thulium 170
NT3 thulium 171
NT3 thulium 172
NT3 thulium 173
NT3 thulium 174
NT3 thulium 175
NT3 thulium 176
NT3 thulium 177
NT3 tin 121
NT3 tin 123
NT3 tin 125
NT3 tin 126
NT3 tin 127
NT3 tin 128
NT3 tin 129
NT3 tin 130
NT3 tin 131
NT3 tin 132

NT3 tin 133
NT3 tin 134
NT3 titanium 51
NT3 titanium 52
NT3 titanium 53
NT3 titanium 54
NT3 titanium 55
NT3 titanium 56
NT3 tritium
NT3 tungsten 185
NT3 tungsten 187
NT3 tungsten 188
NT3 tungsten 189
NT3 uranium 237
NT3 uranium 239
NT3 uranium 240
NT3 uranium 242
NT3 vanadium 50
NT3 vanadium 52
NT3 vanadium 53
NT3 vanadium 54
NT3 vanadium 55
NT3 vanadium 56
NT3 vanadium 57
NT3 vanadium 58
NT3 xenon 133
NT3 xenon 135
NT3 xenon 137
NT3 xenon 138
NT3 xenon 139
NT3 xenon 140
NT3 xenon 141
NT3 xenon 142
NT3 xenon 143
NT3 xenon 144
NT3 xenon 145
NT3 ytterbium 175
NT3 ytterbium 177
NT3 ytterbium 178
NT3 ytterbium 179
NT3 ytterbium 180
NT3 yttrium 100
NT3 yttrium 101
NT3 yttrium 102
NT3 yttrium 103
NT3 yttrium 90
NT3 yttrium 91
NT3 yttrium 92
NT3 yttrium 93
NT3 yttrium 94
NT3 yttrium 95
NT3 yttrium 96
NT3 yttrium 97
NT3 yttrium 98
NT3 yttrium 99
NT3 zinc 69
NT3 zinc 71
NT3 zinc 72
NT3 zinc 73
NT3 zinc 74
NT3 zinc 75
NT3 zinc 76
NT3 zinc 77
NT3 zinc 78
NT3 zinc 79
NT3 zinc 80
NT3 zinc 81
NT3 zirconium 100
NT3 zirconium 101
NT3 zirconium 102
NT3 zirconium 103
NT3 zirconium 93
NT3 zirconium 95
NT3 zirconium 97
NT3 zirconium 98
NT3 zirconium 99
NT2 beta-plus decay radioisotopes
NT3 aluminium 22
NT3 aluminium 23
NT3 aluminium 24
NT3 aluminium 25
NT3 aluminium 26
NT3 americium 235
NT3 americium 236
NT3 antimony 104
NT3 antimony 105
NT3 antimony 108
NT3 antimony 110
NT3 antimony 111
NT3 antimony 112
NT3 antimony 113
NT3 antimony 114
NT3 antimony 115
NT3 antimony 116
NT3 antimony 117
NT3 antimony 118
NT3 antimony 120
NT3 antimony 122
NT3 argon 31
NT3 argon 32
NT3 argon 33
NT3 argon 34
NT3 argon 35
NT3 arsenic 66
NT3 arsenic 67
NT3 arsenic 68
NT3 arsenic 69
NT3 arsenic 70
NT3 arsenic 71
NT3 arsenic 72
NT3 arsenic 74
NT3 astatine 205
NT3 astatine 206
NT3 barium 114
NT3 barium 115
NT3 barium 116
NT3 barium 117
NT3 barium 118
NT3 barium 119
NT3 barium 120
NT3 barium 121
NT3 barium 122
NT3 barium 123
NT3 barium 124
NT3 barium 125
NT3 barium 126
NT3 barium 127
NT3 barium 129
NT3 bismuth 194
NT3 bismuth 197
NT3 bismuth 200
NT3 bismuth 202
NT3 bismuth 203
NT3 bismuth 205
NT3 bismuth 206
NT3 bismuth 207
NT3 boron 8
NT3 bromine 69
NT3 bromine 70
NT3 bromine 71
NT3 bromine 72
NT3 bromine 73
NT3 bromine 74
NT3 bromine 75
NT3 bromine 76
NT3 bromine 77
NT3 bromine 78
NT3 bromine 80
NT3 cadmium 100
NT3 cadmium 101
NT3 cadmium 102
NT3 cadmium 103
NT3 cadmium 104
NT3 cadmium 105
NT3 cadmium 107
NT3 cadmium 97
NT3 cadmium 98
NT3 cadmium 99
NT3 calcium 36
NT3 calcium 37
NT3 calcium 38
NT3 calcium 39
NT3 carbon 10
NT3 carbon 11
NT3 carbon 9
NT3 cerium 121
NT3 cerium 125
NT3 cerium 127
NT3 cerium 128
NT3 cerium 129
NT3 cerium 130
NT3 cerium 131
NT3 cerium 132
NT3 cerium 133
NT3 cerium 135
NT3 cerium 137
NT3 cesium 114
NT3 cesium 115
NT3 cesium 116
NT3 cesium 117
NT3 cesium 118
NT3 cesium 119
NT3 cesium 120
NT3 cesium 121
NT3 cesium 122
NT3 cesium 123
NT3 cesium 124
NT3 cesium 125
NT3 cesium 126
NT3 cesium 127
NT3 cesium 128
NT3 cesium 129
NT3 cesium 130
NT3 cesium 132
NT3 chlorine 31
NT3 chlorine 32
NT3 chlorine 33
NT3 chlorine 34
NT3 chlorine 36
NT3 chromium 42
NT3 chromium 45
NT3 chromium 46
NT3 chromium 47
NT3 chromium 49
NT3 cobalt 52
NT3 cobalt 53
NT3 cobalt 54
NT3 cobalt 55
NT3 cobalt 56
NT3 cobalt 58
NT3 copper 56
NT3 copper 57
NT3 copper 58
NT3 copper 59
NT3 copper 60
NT3 copper 61
NT3 copper 62
NT3 copper 64
NT3 curium 232
NT3 dysprosium 145
NT3 dysprosium 146
NT3 dysprosium 147
NT3 dysprosium 148
NT3 dysprosium 149
NT3 dysprosium 150
NT3 dysprosium 151
NT3 dysprosium 152
NT3 dysprosium 153
NT3 dysprosium 155
NT3 dysprosium 157
NT3 erbium 145
NT3 erbium 146
NT3 erbium 147
NT3 erbium 148
NT3 erbium 149
NT3 erbium 150
NT3 erbium 151

NT3 erbium 152
NT3 erbium 153
NT3 erbium 154
NT3 erbium 155
NT3 erbium 156
NT3 erbium 157
NT3 erbium 158
NT3 erbium 159
NT3 erbium 161
NT3 erbium 163
NT3 europium 134
NT3 europium 135
NT3 europium 136
NT3 europium 138
NT3 europium 139
NT3 europium 140
NT3 europium 141
NT3 europium 142
NT3 europium 143
NT3 europium 144
NT3 europium 145
NT3 europium 146
NT3 europium 147
NT3 europium 148
NT3 europium 150
NT3 europium 152
NT3 fluorine 17
NT3 fluorine 18
NT3 gadolinium 135
NT3 gadolinium 137
NT3 gadolinium 139
NT3 gadolinium 142
NT3 gadolinium 143
NT3 gadolinium 144
NT3 gadolinium 145
NT3 gadolinium 146
NT3 gadolinium 147
NT3 gallium 60
NT3 gallium 62
NT3 gallium 63
NT3 gallium 64
NT3 gallium 65
NT3 gallium 66
NT3 gallium 68
NT3 germanium 61
NT3 germanium 64
NT3 germanium 65
NT3 germanium 66
NT3 germanium 67
NT3 germanium 69
NT3 gold 182
NT3 gold 184
NT3 gold 185
NT3 gold 186
NT3 gold 187
NT3 gold 188
NT3 gold 189
NT3 gold 190
NT3 gold 192
NT3 gold 194
NT3 gold 196
NT3 hafnium 154
NT3 hafnium 155
NT3 hafnium 162
NT3 hafnium 163
NT3 hafnium 166
NT3 hafnium 167
NT3 hafnium 168
NT3 hafnium 169
NT3 holmium 145
NT3 holmium 146
NT3 holmium 147
NT3 holmium 148
NT3 holmium 149
NT3 holmium 150
NT3 holmium 151
NT3 holmium 152
NT3 holmium 153
NT3 holmium 154
NT3 holmium 155
NT3 holmium 156
NT3 holmium 157
NT3 holmium 158
NT3 holmium 160
NT3 holmium 162
NT3 indium 100
NT3 indium 103
NT3 indium 104
NT3 indium 105
NT3 indium 106
NT3 indium 107
NT3 indium 108
NT3 indium 109
NT3 indium 110
NT3 indium 112
NT3 indium 114
NT3 iodine 110
NT3 iodine 111
NT3 iodine 112
NT3 iodine 113
NT3 iodine 114
NT3 iodine 115
NT3 iodine 116
NT3 iodine 117
NT3 iodine 118
NT3 iodine 119
NT3 iodine 120
NT3 iodine 121
NT3 iodine 122
NT3 iodine 124
NT3 iodine 126
NT3 iodine 128
NT3 iridium 178
NT3 iridium 179
NT3 iridium 180
NT3 iridium 181
NT3 iridium 182
NT3 iridium 183
NT3 iridium 184
NT3 iridium 185
NT3 iridium 186
NT3 iridium 188
NT3 iridium 190
NT3 iron 45
NT3 iron 46
NT3 iron 49
NT3 iron 51
NT3 iron 52
NT3 iron 53
NT3 krypton 69
NT3 krypton 71
NT3 krypton 72
NT3 krypton 73
NT3 krypton 74
NT3 krypton 75
NT3 krypton 77
NT3 krypton 79
NT3 lanthanum 121
NT3 lanthanum 125
NT3 lanthanum 126
NT3 lanthanum 127
NT3 lanthanum 128
NT3 lanthanum 129
NT3 lanthanum 130
NT3 lanthanum 131
NT3 lanthanum 132
NT3 lanthanum 133
NT3 lanthanum 134
NT3 lanthanum 135
NT3 lanthanum 136
NT3 lead 187
NT3 lead 188
NT3 lead 189
NT3 lead 190
NT3 lead 191
NT3 lead 192
NT3 lead 193
NT3 lead 194
NT3 lead 195
NT3 lead 199
NT3 lead 201
NT3 lutetium 153
NT3 lutetium 161
NT3 lutetium 162
NT3 lutetium 163
NT3 lutetium 164
NT3 lutetium 165
NT3 lutetium 166
NT3 lutetium 167
NT3 lutetium 168
NT3 lutetium 169
NT3 lutetium 170
NT3 lutetium 171
NT3 lutetium 174
NT3 magnesium 20
NT3 magnesium 21
NT3 magnesium 22
NT3 magnesium 23
NT3 manganese 48
NT3 manganese 49
NT3 manganese 50
NT3 manganese 51
NT3 manganese 52
NT3 mercury 179
NT3 mercury 181
NT3 mercury 182
NT3 mercury 183
NT3 mercury 184
NT3 mercury 185
NT3 mercury 186
NT3 mercury 187
NT3 mercury 188
NT3 mercury 191
NT3 mercury 193
NT3 molybdenum 86
NT3 molybdenum 87
NT3 molybdenum 88
NT3 molybdenum 89
NT3 molybdenum 90
NT3 molybdenum 91
NT3 neodymium 127
NT3 neodymium 128
NT3 neodymium 129
NT3 neodymium 130
NT3 neodymium 131
NT3 neodymium 132
NT3 neodymium 133
NT3 neodymium 134
NT3 neodymium 135
NT3 neodymium 136
NT3 neodymium 137
NT3 neodymium 138
NT3 neodymium 139
NT3 neodymium 141
NT3 neon 17
NT3 neon 18
NT3 neon 19
NT3 neptunium 234
NT3 nickel 49
NT3 nickel 50
NT3 nickel 52
NT3 nickel 53
NT3 nickel 55
NT3 nickel 56
NT3 nickel 57
NT3 niobium 83
NT3 niobium 84
NT3 niobium 85
NT3 niobium 87
NT3 niobium 88
NT3 niobium 89
NT3 niobium 90
NT3 niobium 92
NT3 nitrogen 12
NT3 nitrogen 13
NT3 osmium 172
NT3 osmium 173

NT3 osmium 174
NT3 osmium 175
NT3 osmium 176
NT3 osmium 177
NT3 osmium 178
NT3 osmium 179
NT3 osmium 181
NT3 osmium 183
NT3 oxygen 13
NT3 oxygen 14
NT3 oxygen 15
NT3 palladium 101
NT3 palladium 93
NT3 palladium 94
NT3 palladium 95
NT3 palladium 97
NT3 palladium 98
NT3 palladium 99
NT3 phosphorus 26
NT3 phosphorus 28
NT3 phosphorus 29
NT3 phosphorus 30
NT3 platinum 174
NT3 platinum 182
NT3 platinum 183
NT3 platinum 184
NT3 platinum 185
NT3 platinum 187
NT3 platinum 189
NT3 polonium 198
NT3 polonium 199
NT3 polonium 200
NT3 polonium 201
NT3 polonium 202
NT3 polonium 203
NT3 polonium 205
NT3 polonium 207
NT3 potassium 35
NT3 potassium 36
NT3 potassium 37
NT3 potassium 38
NT3 potassium 40
NT3 praseodymium 126
NT3 praseodymium 127
NT3 praseodymium 129
NT3 praseodymium 130
NT3 praseodymium 131
NT3 praseodymium 132
NT3 praseodymium 133
NT3 praseodymium 134
NT3 praseodymium 135
NT3 praseodymium 136
NT3 praseodymium 137
NT3 praseodymium 138
NT3 praseodymium 139
NT3 praseodymium 140
NT3 promethium 132
NT3 promethium 133
NT3 promethium 134
NT3 promethium 135
NT3 promethium 136
NT3 promethium 137
NT3 promethium 138
NT3 promethium 139
NT3 promethium 140
NT3 promethium 141
NT3 promethium 142
NT3 protactinium 230
NT3 radon 207
NT3 radon 209
NT3 rhenium 165
NT3 rhenium 170
NT3 rhenium 171
NT3 rhenium 172
NT3 rhenium 174
NT3 rhenium 175
NT3 rhenium 176
NT3 rhenium 177
NT3 rhenium 178
NT3 rhenium 179
NT3 rhenium 180
NT3 rhenium 182
NT3 rhodium 100
NT3 rhodium 102
NT3 rhodium 92
NT3 rhodium 94
NT3 rhodium 95
NT3 rhodium 96
NT3 rhodium 97
NT3 rhodium 98
NT3 rhodium 99
NT3 rubidium 73
NT3 rubidium 74
NT3 rubidium 75
NT3 rubidium 76
NT3 rubidium 77
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NT3 rubidium 81
NT3 rubidium 82
NT3 rubidium 84
NT3 ruthenium 88
NT3 ruthenium 89
NT3 ruthenium 92
NT3 ruthenium 93
NT3 ruthenium 95
NT3 samarium 133
NT3 samarium 134
NT3 samarium 135
NT3 samarium 136
NT3 samarium 137
NT3 samarium 138
NT3 samarium 139
NT3 samarium 140
NT3 samarium 141
NT3 samarium 142
NT3 samarium 143
NT3 scandium 40
NT3 scandium 41
NT3 scandium 42
NT3 scandium 43
NT3 scandium 44
NT3 selenium 65
NT3 selenium 67
NT3 selenium 68
NT3 selenium 69
NT3 selenium 70
NT3 selenium 71
NT3 selenium 73
NT3 silicon 24
NT3 silicon 25
NT3 silicon 26
NT3 silicon 27
NT3 silver 100
NT3 silver 101
NT3 silver 102
NT3 silver 103
NT3 silver 104
NT3 silver 105
NT3 silver 106
NT3 silver 108
NT3 silver 94
NT3 silver 96
NT3 silver 98
NT3 silver 99
NT3 sodium 19
NT3 sodium 20
NT3 sodium 21
NT3 sodium 22
NT3 strontium 75
NT3 strontium 76
NT3 strontium 77
NT3 strontium 78
NT3 strontium 79
NT3 strontium 80
NT3 strontium 81
NT3 strontium 83
NT3 sulfur 28
NT3 sulfur 29
NT3 sulfur 30
NT3 sulfur 31
NT3 tantalum 165
NT3 tantalum 166
NT3 tantalum 167
NT3 tantalum 168
NT3 tantalum 169
NT3 tantalum 170
NT3 tantalum 171
NT3 tantalum 172
NT3 tantalum 173
NT3 tantalum 174
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NT3 tantalum 176
NT3 tantalum 177
NT3 tantalum 178
NT3 technetium 88
NT3 technetium 89
NT3 technetium 90
NT3 technetium 91
NT3 technetium 92
NT3 technetium 93
NT3 technetium 94
NT3 technetium 95
NT3 technetium 96
NT3 tellurium 107
NT3 tellurium 108
NT3 tellurium 109
NT3 tellurium 110
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NT3 tellurium 113
NT3 tellurium 114
NT3 tellurium 115
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NT3 terbium 139
NT3 terbium 141
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NT3 terbium 156
NT3 thallium 182
NT3 thallium 184
NT3 thallium 186
NT3 thallium 188
NT3 thallium 189
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NT3 thallium 191
NT3 thallium 192
NT3 thallium 193
NT3 thallium 194
NT3 thallium 195
NT3 thallium 196
NT3 thallium 197
NT3 thallium 198
NT3 thallium 200
NT3 thulium 148
NT3 thulium 156
NT3 thulium 157
NT3 thulium 158
NT3 thulium 159
NT3 thulium 160
NT3 thulium 161
NT3 thulium 162

NT3 thulium 163
NT3 thulium 164
NT3 thulium 165
NT3 thulium 166
NT3 tin 100
NT3 tin 102
NT3 tin 103
NT3 tin 105
NT3 tin 106
NT3 tin 107
NT3 tin 108
NT3 tin 109
NT3 tin 111
NT3 titanium 39
NT3 titanium 40
NT3 titanium 41
NT3 titanium 42
NT3 titanium 43
NT3 titanium 45
NT3 tungsten 168
NT3 tungsten 169
NT3 tungsten 170
NT3 tungsten 171
NT3 tungsten 172
NT3 tungsten 173
NT3 tungsten 175
NT3 tungsten 177
NT3 tungsten 190
NT3 vanadium 42
NT3 vanadium 43
NT3 vanadium 44
NT3 vanadium 45
NT3 vanadium 46
NT3 vanadium 47
NT3 vanadium 48
NT3 xenon 110
NT3 xenon 111
NT3 xenon 112
NT3 xenon 113
NT3 xenon 114
NT3 xenon 115
NT3 xenon 116
NT3 xenon 117
NT3 xenon 118
NT3 xenon 119
NT3 xenon 120
NT3 xenon 121
NT3 xenon 122
NT3 xenon 123
NT3 xenon 125
NT3 ytterbium 153
NT3 ytterbium 158
NT3 ytterbium 160
NT3 ytterbium 161
NT3 ytterbium 162
NT3 ytterbium 163
NT3 ytterbium 165
NT3 ytterbium 167
NT3 yttrium 79
NT3 yttrium 80
NT3 yttrium 81
NT3 yttrium 82
NT3 yttrium 83
NT3 yttrium 84
NT3 yttrium 85
NT3 yttrium 86
NT3 yttrium 87
NT3 yttrium 88
NT3 zinc 57
NT3 zinc 59
NT3 zinc 60
NT3 zinc 61
NT3 zinc 62
NT3 zinc 63
NT3 zinc 65
NT3 zirconium 81
NT3 zirconium 82
NT3 zirconium 83
NT3 zirconium 84
NT3 zirconium 85
NT3 zirconium 87
NT3 zirconium 89

NT2 electron capture radioisotopes

NT3 actinium 214
NT3 actinium 215
NT3 actinium 222
NT3 actinium 223
NT3 actinium 224
NT3 actinium 226
NT3 americium 232
NT3 americium 233
NT3 americium 234
NT3 americium 235
NT3 americium 236
NT3 americium 237
NT3 americium 238
NT3 americium 239
NT3 americium 240
NT3 americium 242
NT3 americium 244
NT3 antimony 109
NT3 antimony 110
NT3 antimony 111
NT3 antimony 112
NT3 antimony 113
NT3 antimony 114
NT3 antimony 115
NT3 antimony 116
NT3 antimony 117
NT3 antimony 118
NT3 antimony 119
NT3 antimony 120
NT3 antimony 122
NT3 argon 37
NT3 arsenic 67
NT3 arsenic 70
NT3 arsenic 71
NT3 arsenic 72
NT3 arsenic 73
NT3 arsenic 74
NT3 astatine 195
NT3 astatine 197
NT3 astatine 199
NT3 astatine 200
NT3 astatine 201
NT3 astatine 202
NT3 astatine 203
NT3 astatine 204
NT3 astatine 205
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NT3 astatine 210
NT3 astatine 211
NT3 barium 117
NT3 barium 119
NT3 barium 120
NT3 barium 121
NT3 barium 122
NT3 barium 123
NT3 barium 124
NT3 barium 125
NT3 barium 126
NT3 barium 127
NT3 barium 128
NT3 barium 129
NT3 barium 131
NT3 barium 133
NT3 berkelium 240
NT3 berkelium 242
NT3 berkelium 243
NT3 berkelium 244
NT3 berkelium 245
NT3 berkelium 246
NT3 berkelium 248
NT3 beryllium 7
NT3 bismuth 190
NT3 bismuth 191
NT3 bismuth 192
NT3 bismuth 193
NT3 bismuth 194
NT3 bismuth 195
NT3 bismuth 196
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NT3 bismuth 204
NT3 bismuth 205
NT3 bismuth 206
NT3 bismuth 207
NT3 bismuth 208
NT3 bromine 71
NT3 bromine 73
NT3 bromine 74
NT3 bromine 75
NT3 bromine 76
NT3 bromine 77
NT3 bromine 78
NT3 bromine 80
NT3 cadmium 100
NT3 cadmium 101
NT3 cadmium 102
NT3 cadmium 103
NT3 cadmium 104
NT3 cadmium 105
NT3 cadmium 107
NT3 cadmium 109
NT3 cadmium 96
NT3 cadmium 97
NT3 calcium 41
NT3 californium 241
NT3 californium 243
NT3 californium 245
NT3 californium 247
NT3 cerium 121
NT3 cerium 123
NT3 cerium 126
NT3 cerium 127
NT3 cerium 128
NT3 cerium 129
NT3 cerium 130
NT3 cerium 131
NT3 cerium 132
NT3 cerium 133
NT3 cerium 134
NT3 cerium 135
NT3 cerium 137
NT3 cerium 139
NT3 cesium 114
NT3 cesium 115
NT3 cesium 116
NT3 cesium 117
NT3 cesium 118
NT3 cesium 119
NT3 cesium 120
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NT3 cesium 123
NT3 cesium 124
NT3 cesium 125
NT3 cesium 126
NT3 cesium 127
NT3 cesium 128
NT3 cesium 129
NT3 cesium 130
NT3 cesium 131
NT3 cesium 132
NT3 cesium 134
NT3 chlorine 36
NT3 chromium 48
NT3 chromium 49
NT3 chromium 51

NT3 cobalt 55
NT3 cobalt 56
NT3 cobalt 57
NT3 cobalt 58
NT3 copper 58
NT3 copper 60
NT3 copper 61
NT3 copper 62
NT3 copper 64
NT3 curium 232
NT3 curium 238
NT3 curium 239
NT3 curium 241
NT3 dysprosium 141
NT3 dysprosium 143
NT3 dysprosium 144
NT3 dysprosium 145
NT3 dysprosium 147
NT3 dysprosium 148
NT3 dysprosium 149
NT3 dysprosium 150
NT3 dysprosium 151
NT3 dysprosium 152
NT3 dysprosium 153
NT3 dysprosium 155
NT3 dysprosium 157
NT3 dysprosium 159
NT3 einsteinium 244
NT3 einsteinium 245
NT3 einsteinium 246
NT3 einsteinium 247
NT3 einsteinium 248
NT3 einsteinium 249
NT3 einsteinium 250
NT3 einsteinium 251
NT3 einsteinium 252
NT3 einsteinium 254
NT3 element 105 258
NT3 erbium 146
NT3 erbium 147
NT3 erbium 149
NT3 erbium 150
NT3 erbium 151
NT3 erbium 152
NT3 erbium 153
NT3 erbium 154
NT3 erbium 155
NT3 erbium 156
NT3 erbium 157
NT3 erbium 158
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NT3 erbium 160
NT3 erbium 161
NT3 erbium 163
NT3 erbium 165
NT3 europium 139
NT3 europium 140
NT3 europium 141
NT3 europium 142
NT3 europium 143
NT3 europium 144
NT3 europium 145
NT3 europium 146
NT3 europium 147
NT3 europium 148
NT3 europium 149
NT3 europium 150
NT3 europium 152
NT3 europium 154
NT3 fermium 247
NT3 fermium 249
NT3 fermium 251
NT3 fermium 253
NT3 francium 204
NT3 francium 206
NT3 francium 207
NT3 francium 208
NT3 francium 209
NT3 francium 210
NT3 francium 211
NT3 francium 212
NT3 francium 213
NT3 gadolinium 135
NT3 gadolinium 141
NT3 gadolinium 143
NT3 gadolinium 144
NT3 gadolinium 145
NT3 gadolinium 146
NT3 gadolinium 147
NT3 gadolinium 149
NT3 gadolinium 151
NT3 gadolinium 153
NT3 gallium 62
NT3 gallium 63
NT3 gallium 64
NT3 gallium 65
NT3 gallium 66
NT3 gallium 67
NT3 gallium 68
NT3 gallium 70
NT3 germanium 64
NT3 germanium 65
NT3 germanium 66
NT3 germanium 67
NT3 germanium 68
NT3 germanium 69
NT3 germanium 71
NT3 gold 180
NT3 gold 181
NT3 gold 182
NT3 gold 183
NT3 gold 184
NT3 gold 185
NT3 gold 186
NT3 gold 187
NT3 gold 188
NT3 gold 189
NT3 gold 190
NT3 gold 191
NT3 gold 192
NT3 gold 193
NT3 gold 194
NT3 gold 195
NT3 gold 196
NT3 hafnium 154
NT3 hafnium 155
NT3 hafnium 157
NT3 hafnium 158
NT3 hafnium 159
NT3 hafnium 160
NT3 hafnium 162
NT3 hafnium 163
NT3 hafnium 166
NT3 hafnium 167
NT3 hafnium 168
NT3 hafnium 169
NT3 hafnium 170
NT3 hafnium 171
NT3 hafnium 172
NT3 hafnium 173
NT3 hafnium 175
NT3 holmium 145
NT3 holmium 147
NT3 holmium 149
NT3 holmium 150
NT3 holmium 151
NT3 holmium 152
NT3 holmium 153
NT3 holmium 154
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NT3 holmium 162
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NT3 holmium 164
NT3 indium 102
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NT3 iodine 110
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NT3 iodine 119
NT3 iodine 120
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NT3 iodine 126
NT3 iodine 128
NT3 iridium 178
NT3 iridium 179
NT3 iridium 180
NT3 iridium 181
NT3 iridium 182
NT3 iridium 183
NT3 iridium 184
NT3 iridium 185
NT3 iridium 186
NT3 iridium 187
NT3 iridium 188
NT3 iridium 189
NT3 iridium 190
NT3 iridium 192
NT3 iron 45
NT3 iron 52
NT3 iron 53
NT3 iron 55
NT3 krypton 69
NT3 krypton 71
NT3 krypton 72
NT3 krypton 73
NT3 krypton 74
NT3 krypton 75
NT3 krypton 76
NT3 krypton 77
NT3 krypton 79
NT3 krypton 81
NT3 lanthanum 120
NT3 lanthanum 121
NT3 lanthanum 122
NT3 lanthanum 123
NT3 lanthanum 124
NT3 lanthanum 125
NT3 lanthanum 126
NT3 lanthanum 127
NT3 lanthanum 128
NT3 lanthanum 129
NT3 lanthanum 130
NT3 lanthanum 131
NT3 lanthanum 132
NT3 lanthanum 133
NT3 lanthanum 134
NT3 lanthanum 135
NT3 lanthanum 136
NT3 lanthanum 137
NT3 lanthanum 138
NT3 lawrencium 254

NT3 lawrencium 255
NT3 lawrencium 256
NT3 lead 186
NT3 lead 187
NT3 lead 188
NT3 lead 189
NT3 lead 190
NT3 lead 191
NT3 lead 192
NT3 lead 193
NT3 lead 194
NT3 lead 195
NT3 lead 196
NT3 lead 197
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NT3 lead 203
NT3 lead 205
NT3 lutetium 153
NT3 lutetium 154
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NT3 lutetium 157
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NT3 lutetium 160
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NT3 lutetium 166
NT3 lutetium 167
NT3 lutetium 168
NT3 lutetium 169
NT3 lutetium 170
NT3 lutetium 171
NT3 lutetium 172
NT3 lutetium 173
NT3 lutetium 174
NT3 manganese 51
NT3 manganese 52
NT3 manganese 53
NT3 manganese 54
NT3 mendelevium 248
NT3 mendelevium 249
NT3 mendelevium 250
NT3 mendelevium 251
NT3 mendelevium 252
NT3 mendelevium 253
NT3 mendelevium 254
NT3 mendelevium 255
NT3 mendelevium 256
NT3 mendelevium 257
NT3 mendelevium 258
NT3 mercury 177
NT3 mercury 178
NT3 mercury 179
NT3 mercury 180
NT3 mercury 181
NT3 mercury 182
NT3 mercury 183
NT3 mercury 184
NT3 mercury 185
NT3 mercury 186
NT3 mercury 187
NT3 mercury 188
NT3 mercury 189
NT3 mercury 190
NT3 mercury 191
NT3 mercury 192
NT3 mercury 193
NT3 mercury 194
NT3 mercury 195
NT3 mercury 197
NT3 molybdenum 87
NT3 molybdenum 88
NT3 molybdenum 89
NT3 molybdenum 90
NT3 molybdenum 91
NT3 molybdenum 93
NT3 neodymium 129
NT3 neodymium 130
NT3 neodymium 132
NT3 neodymium 133
NT3 neodymium 134
NT3 neodymium 135
NT3 neodymium 136
NT3 neodymium 137
NT3 neodymium 138
NT3 neodymium 139
NT3 neodymium 140
NT3 neodymium 141
NT3 neptunium 230
NT3 neptunium 231
NT3 neptunium 232
NT3 neptunium 233
NT3 neptunium 234
NT3 neptunium 235
NT3 neptunium 236
NT3 nickel 56
NT3 nickel 57
NT3 nickel 59
NT3 niobium 84
NT3 niobium 85
NT3 niobium 86
NT3 niobium 87
NT3 niobium 88
NT3 niobium 90
NT3 niobium 91
NT3 niobium 92
NT3 nitrogen 13
NT3 nobelium 253
NT3 nobelium 254
NT3 nobelium 255
NT3 nobelium 259
NT3 osmium 166
NT3 osmium 167
NT3 osmium 168
NT3 osmium 169
NT3 osmium 170
NT3 osmium 171
NT3 osmium 172
NT3 osmium 173
NT3 osmium 174
NT3 osmium 175
NT3 osmium 176
NT3 osmium 177
NT3 osmium 178
NT3 osmium 179
NT3 osmium 180
NT3 osmium 181
NT3 osmium 182
NT3 osmium 183
NT3 osmium 185
NT3 palladium 100
NT3 palladium 101
NT3 palladium 103
NT3 palladium 94
NT3 palladium 95
NT3 palladium 96
NT3 palladium 97
NT3 palladium 98
NT3 palladium 99
NT3 platinum 173
NT3 platinum 174
NT3 platinum 175
NT3 platinum 176
NT3 platinum 177
NT3 platinum 178
NT3 platinum 179
NT3 platinum 180
NT3 platinum 181
NT3 platinum 182
NT3 platinum 183
NT3 platinum 184
NT3 platinum 185
NT3 platinum 186
NT3 platinum 187
NT3 platinum 188
NT3 platinum 189
NT3 platinum 191
NT3 platinum 193
NT3 plutonium 232
NT3 plutonium 233
NT3 plutonium 234
NT3 plutonium 235
NT3 plutonium 237
NT3 polonium 196
NT3 polonium 197
NT3 polonium 198
NT3 polonium 199
NT3 polonium 200
NT3 polonium 201
NT3 polonium 202
NT3 polonium 203
NT3 polonium 204
NT3 polonium 205
NT3 polonium 206
NT3 polonium 207
NT3 polonium 208
NT3 polonium 209
NT3 potassium 40
NT3 praseodymium 127
NT3 praseodymium 128
NT3 praseodymium 129
NT3 praseodymium 130
NT3 praseodymium 132
NT3 praseodymium 133
NT3 praseodymium 134
NT3 praseodymium 135
NT3 praseodymium 136
NT3 praseodymium 137
NT3 praseodymium 138
NT3 praseodymium 139
NT3 praseodymium 140
NT3 praseodymium 142
NT3 promethium 130
NT3 promethium 131
NT3 promethium 132
NT3 promethium 133
NT3 promethium 134
NT3 promethium 135
NT3 promethium 136
NT3 promethium 137
NT3 promethium 138
NT3 promethium 139
NT3 promethium 140
NT3 promethium 141
NT3 promethium 142
NT3 promethium 143
NT3 promethium 144
NT3 promethium 145
NT3 promethium 146
NT3 protactinium 226
NT3 protactinium 227
NT3 protactinium 228
NT3 protactinium 229
NT3 protactinium 230
NT3 radium 213
NT3 radium 214
NT3 radon 200
NT3 radon 201
NT3 radon 202
NT3 radon 203
NT3 radon 204
NT3 radon 205
NT3 radon 206
NT3 radon 207
NT3 radon 208
NT3 radon 209
NT3 radon 210
NT3 radon 211
NT3 rhenium 163

NT3 rhenium 164
NT3 rhenium 165
NT3 rhenium 168
NT3 rhenium 170
NT3 rhenium 171
NT3 rhenium 172
NT3 rhenium 173
NT3 rhenium 174
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NT3 rhenium 178
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NT3 rhenium 181
NT3 rhenium 182
NT3 rhenium 183
NT3 rhenium 184
NT3 rhenium 186
NT3 rhodium 100
NT3 rhodium 101
NT3 rhodium 102
NT3 rhodium 104
NT3 rhodium 95
NT3 rhodium 96
NT3 rhodium 97
NT3 rhodium 98
NT3 rhodium 99
NT3 rubidium 76
NT3 rubidium 77
NT3 rubidium 78
NT3 rubidium 79
NT3 rubidium 81
NT3 rubidium 82
NT3 rubidium 83
NT3 rubidium 84
NT3 rubidium 86
NT3 ruthenium 90
NT3 ruthenium 92
NT3 ruthenium 93
NT3 ruthenium 94
NT3 ruthenium 95
NT3 ruthenium 97
NT3 samarium 133
NT3 samarium 134
NT3 samarium 135
NT3 samarium 136
NT3 samarium 137
NT3 samarium 138
NT3 samarium 139
NT3 samarium 140
NT3 samarium 141
NT3 samarium 142
NT3 samarium 143
NT3 samarium 145
NT3 scandium 44
NT3 selenium 69
NT3 selenium 70
NT3 selenium 71
NT3 selenium 72
NT3 selenium 73
NT3 selenium 75
NT3 silver 100
NT3 silver 101
NT3 silver 102
NT3 silver 103
NT3 silver 104
NT3 silver 105
NT3 silver 106
NT3 silver 108
NT3 silver 110
NT3 silver 95
NT3 silver 96
NT3 silver 97
NT3 silver 98
NT3 silver 99
NT3 strontium 76
NT3 strontium 78
NT3 strontium 79
NT3 strontium 80
NT3 strontium 81
NT3 strontium 82
NT3 strontium 83
NT3 strontium 85
NT3 strontium 87
NT3 tantalum 158
NT3 tantalum 159
NT3 tantalum 160
NT3 tantalum 165
NT3 tantalum 166
NT3 tantalum 167
NT3 tantalum 168
NT3 tantalum 169
NT3 tantalum 170
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NT3 tantalum 174
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NT3 tantalum 179
NT3 tantalum 180
NT3 technetium 90
NT3 technetium 91
NT3 technetium 92
NT3 technetium 93
NT3 technetium 94
NT3 technetium 95
NT3 technetium 96
NT3 technetium 97
NT3 tellurium 107
NT3 tellurium 108
NT3 tellurium 109
NT3 tellurium 110
NT3 tellurium 111
NT3 tellurium 112
NT3 tellurium 113
NT3 tellurium 114
NT3 tellurium 115
NT3 tellurium 116
NT3 tellurium 117
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NT3 tellurium 121
NT3 tellurium 123
NT3 terbium 139
NT3 terbium 141
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NT3 terbium 148
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NT3 thallium 184
NT3 thallium 186
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NT3 thallium 189
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NT3 thallium 198
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NT3 thallium 200
NT3 thallium 201
NT3 thallium 202
NT3 thallium 204
NT3 thorium 225
NT3 thulium 148
NT3 thulium 152
NT3 thulium 153
NT3 thulium 154
NT3 thulium 155
NT3 thulium 156
NT3 thulium 157
NT3 thulium 158
NT3 thulium 159
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NT3 thulium 161
NT3 thulium 162
NT3 thulium 163
NT3 thulium 164
NT3 thulium 165
NT3 thulium 166
NT3 thulium 167
NT3 thulium 168
NT3 thulium 170
NT3 tin 100
NT3 tin 102
NT3 tin 106
NT3 tin 107
NT3 tin 108
NT3 tin 109
NT3 tin 110
NT3 tin 111
NT3 tin 113
NT3 titanium 44
NT3 titanium 45
NT3 tungsten 161
NT3 tungsten 162
NT3 tungsten 163
NT3 tungsten 164
NT3 tungsten 165
NT3 tungsten 166
NT3 tungsten 168
NT3 tungsten 169
NT3 tungsten 170
NT3 tungsten 171
NT3 tungsten 172
NT3 tungsten 173
NT3 tungsten 174
NT3 tungsten 175
NT3 tungsten 176
NT3 tungsten 177
NT3 tungsten 178
NT3 tungsten 179
NT3 tungsten 181
NT3 uranium 228
NT3 uranium 229
NT3 uranium 231
NT3 vanadium 42
NT3 vanadium 45
NT3 vanadium 47
NT3 vanadium 48
NT3 vanadium 49
NT3 vanadium 50
NT3 xenon 110
NT3 xenon 111
NT3 xenon 112
NT3 xenon 113
NT3 xenon 114
NT3 xenon 115
NT3 xenon 116
NT3 xenon 117
NT3 xenon 118
NT3 xenon 119
NT3 xenon 120
NT3 xenon 121
NT3 xenon 122
NT3 xenon 123
NT3 xenon 125

NT3 xenon 127
NT3 ytterbium 153
NT3 ytterbium 155
NT3 ytterbium 156
NT3 ytterbium 157
NT3 ytterbium 158
NT3 ytterbium 159
NT3 ytterbium 160
NT3 ytterbium 161
NT3 ytterbium 162
NT3 ytterbium 163
NT3 ytterbium 164
NT3 ytterbium 165
NT3 ytterbium 166
NT3 ytterbium 167
NT3 ytterbium 169
NT3 yttrium 79
NT3 yttrium 80
NT3 yttrium 81
NT3 yttrium 83
NT3 yttrium 84
NT3 yttrium 85
NT3 yttrium 86
NT3 yttrium 87
NT3 yttrium 88
NT3 zinc 60
NT3 zinc 61
NT3 zinc 62
NT3 zinc 63
NT3 zinc 65
NT3 zirconium 84
NT3 zirconium 85
NT3 zirconium 86
NT3 zirconium 87
NT3 zirconium 88
NT3 zirconium 89
NT1 bone seekers
NT1 days living radioisotopes
NT2 actinium 225
NT2 actinium 226
NT2 americium 240
NT2 antimony 119
NT2 antimony 120
NT2 antimony 122
NT2 antimony 124
NT2 antimony 126
NT2 antimony 127
NT2 argon 37
NT2 arsenic 71
NT2 arsenic 72
NT2 arsenic 73
NT2 arsenic 74
NT2 arsenic 76
NT2 arsenic 77
NT2 barium 128
NT2 barium 131
NT2 barium 133
NT2 barium 135
NT2 barium 140
NT2 berkelium 245
NT2 berkelium 246
NT2 berkelium 249
NT2 beryllium 7
NT2 bismuth 205
NT2 bismuth 206
NT2 bismuth 210
NT2 bromine 77
NT2 bromine 82
NT2 cadmium 115
NT2 calcium 45
NT2 calcium 47
NT2 californium 246
NT2 californium 248
NT2 californium 253
NT2 californium 254
NT2 cerium 134
NT2 cerium 137
NT2 cerium 139
NT2 cerium 141
NT2 cerium 143
NT2 cerium 144
NT2 cesium 129
NT2 cesium 131
NT2 cesium 132
NT2 cesium 136
NT2 chromium 51
NT2 cobalt 56
NT2 cobalt 57
NT2 cobalt 58
NT2 copper 67
NT2 curium 240
NT2 curium 241
NT2 curium 242
NT2 dysprosium 159
NT2 dysprosium 166
NT2 einsteinium 251
NT2 einsteinium 253
NT2 einsteinium 254
NT2 einsteinium 255
NT2 erbium 160
NT2 erbium 169
NT2 erbium 172
NT2 europium 145
NT2 europium 146
NT2 europium 147
NT2 europium 148
NT2 europium 149
NT2 europium 156
NT2 fermium 252
NT2 fermium 253
NT2 fermium 257
NT2 gadolinium 146
NT2 gadolinium 147
NT2 gadolinium 149
NT2 gadolinium 151
NT2 gadolinium 153
NT2 gallium 67
NT2 germanium 68
NT2 germanium 69
NT2 germanium 71
NT2 gold 194
NT2 gold 195
NT2 gold 196
NT2 gold 198
NT2 gold 199
NT2 hafnium 175
NT2 hafnium 179
NT2 hafnium 181
NT2 holmium 166
NT2 indium 111
NT2 indium 114
NT2 iodine 124
NT2 iodine 125
NT2 iodine 126
NT2 iodine 131
NT2 iridium 188
NT2 iridium 189
NT2 iridium 190
NT2 iridium 192
NT2 iridium 193
NT2 iridium 194
NT2 iron 59
NT2 krypton 79
NT2 lanthanum 140
NT2 lead 203
NT2 lutetium 169
NT2 lutetium 170
NT2 lutetium 171
NT2 lutetium 172
NT2 lutetium 174
NT2 lutetium 177
NT2 manganese 52
NT2 manganese 54
NT2 mendelevium 258
NT2 mercury 195
NT2 mercury 197
NT2 mercury 203
NT2 molybdenum 99
NT2 neodymium 140
NT2 neodymium 147
NT2 neptunium 234
NT2 neptunium 238
NT2 neptunium 239
NT2 nickel 56
NT2 nickel 57
NT2 nickel 66
NT2 niobium 91
NT2 niobium 92
NT2 niobium 95
NT2 osmium 185
NT2 osmium 191
NT2 osmium 193
NT2 palladium 100
NT2 palladium 103
NT2 phosphorus 32
NT2 phosphorus 33
NT2 platinum 188
NT2 platinum 191
NT2 platinum 193
NT2 platinum 195
NT2 plutonium 237
NT2 plutonium 246
NT2 plutonium 247
NT2 polonium 206
NT2 polonium 210
NT2 praseodymium 143
NT2 promethium 143
NT2 promethium 148
NT2 promethium 149
NT2 promethium 151
NT2 protactinium 229
NT2 protactinium 230
NT2 protactinium 232
NT2 protactinium 233
NT2 radium 223
NT2 radium 224
NT2 radium 225
NT2 radon 222
NT2 rhenium 182
NT2 rhenium 183
NT2 rhenium 184
NT2 rhenium 186
NT2 rhenium 189
NT2 rhodium 101
NT2 rhodium 102
NT2 rhodium 105
NT2 rhodium 99
NT2 rubidium 83
NT2 rubidium 84
NT2 rubidium 86
NT2 ruthenium 103
NT2 ruthenium 97
NT2 samarium 145
NT2 samarium 153
NT2 scandium 44
NT2 scandium 46
NT2 scandium 47
NT2 scandium 48
NT2 selenium 72
NT2 selenium 75
NT2 silver 105
NT2 silver 106
NT2 silver 110
NT2 silver 111
NT2 strontium 82
NT2 strontium 83
NT2 strontium 85
NT2 strontium 89
NT2 sulfur 35
NT2 tantalum 177
NT2 tantalum 182
NT2 tantalum 183
NT2 technetium 95
NT2 technetium 96
NT2 technetium 97
NT2 tellurium 118
NT2 tellurium 119

NT2 tellurium 121
NT2 tellurium 123
NT2 tellurium 125
NT2 tellurium 127
NT2 tellurium 129
NT2 tellurium 131
NT2 tellurium 132
NT2 terbium 153
NT2 terbium 155
NT2 terbium 156
NT2 terbium 160
NT2 terbium 161
NT2 thallium 200
NT2 thallium 201
NT2 thallium 202
NT2 thorium 227
NT2 thorium 231
NT2 thorium 234
NT2 thulium 165
NT2 thulium 167
NT2 thulium 168
NT2 thulium 170
NT2 thulium 172
NT2 tin 113
NT2 tin 117
NT2 tin 119
NT2 tin 121
NT2 tin 123
NT2 tin 125
NT2 tungsten 178
NT2 tungsten 181
NT2 tungsten 185
NT2 tungsten 187
NT2 tungsten 188
NT2 uranium 230
NT2 uranium 231
NT2 uranium 237
NT2 vanadium 48
NT2 vanadium 49
NT2 xenon 127
NT2 xenon 129
NT2 xenon 131
NT2 xenon 133
NT2 ytterbium 166
NT2 ytterbium 169
NT2 ytterbium 175
NT2 yttrium 87
NT2 yttrium 88
NT2 yttrium 90
NT2 yttrium 91
NT2 zinc 65
NT2 zinc 72
NT2 zirconium 88
NT2 zirconium 89
NT2 zirconium 95
NT1 delayed neutron precursors
NT1 delayed proton precursors
NT1 element 104 isotopes
NT2 element 104 253
NT2 element 104 254
NT2 element 104 255
NT2 element 104 256
NT2 element 104 257
NT2 element 104 258
NT2 element 104 259
NT2 element 104 260
NT2 element 104 261
NT2 element 104 262
NT2 element 104 263
NT1 element 105 isotopes
NT2 element 105 255
NT2 element 105 256
NT2 element 105 257
NT2 element 105 258
NT2 element 105 259
NT2 element 105 260
NT2 element 105 261
NT2 element 105 262
NT2 element 105 263
NT1 element 106 isotopes
NT2 element 106 259
NT2 element 106 260
NT2 element 106 261
NT2 element 106 262
NT2 element 106 263
NT2 element 106 265
NT2 element 106 266
NT1 element 107 isotopes
NT2 element 107 261
NT2 element 107 262
NT2 element 107 264
NT1 element 108 isotopes
NT2 element 108 264
NT2 element 108 265
NT2 element 108 266
NT2 element 108 270
NT1 element 109 isotopes
NT2 element 109 266
NT2 element 109 268
NT1 heavy ion decay radioisotopes
NT2 carbon 12 decay radioisotopes
NT3 barium 114
NT2 carbon 14 decay radioisotopes
NT3 radium 222
NT3 radium 223
NT3 radium 224
NT3 radium 226
NT2 magnesium 28 decay radioisotopes
NT3 plutonium 236
NT3 uranium 234
NT2 neon 24 decay radioisotopes
NT3 protactinium 231
NT3 thorium 230
NT3 uranium 232
NT3 uranium 233
NT3 uranium 234
NT2 silicon 32 decay radioisotopes
NT3 plutonium 238
NT1 hours living radioisotopes
NT2 actinium 224
NT2 actinium 228
NT2 actinium 229
NT2 americium 237
NT2 americium 238
NT2 americium 239
NT2 americium 242
NT2 americium 244
NT2 americium 245
NT2 antimony 116
NT2 antimony 117
NT2 antimony 118
NT2 antimony 128
NT2 antimony 129
NT2 argon 41
NT2 arsenic 78
NT2 astatine 207
NT2 astatine 208
NT2 astatine 209
NT2 astatine 210
NT2 astatine 211
NT2 barium 126
NT2 barium 129
NT2 barium 139
NT2 berkelium 243
NT2 berkelium 244
NT2 berkelium 248
NT2 berkelium 250
NT2 bismuth 201
NT2 bismuth 202
NT2 bismuth 203
NT2 bismuth 204
NT2 bismuth 212
NT2 bromine 75
NT2 bromine 76
NT2 bromine 80
NT2 bromine 83
NT2 cadmium 107
NT2 cadmium 117
NT2 californium 247
NT2 californium 255
NT2 cerium 132
NT2 cerium 133
NT2 cerium 135
NT2 cerium 137
NT2 cesium 127
NT2 cesium 134
NT2 chromium 48
NT2 cobalt 55
NT2 cobalt 58
NT2 cobalt 61
NT2 copper 61
NT2 copper 64
NT2 curium 238
NT2 curium 239
NT2 curium 249
NT2 dysprosium 152
NT2 dysprosium 153
NT2 dysprosium 155
NT2 dysprosium 157
NT2 dysprosium 165
NT2 einsteinium 249
NT2 einsteinium 250
NT2 einsteinium 256
NT2 erbium 158
NT2 erbium 161
NT2 erbium 163
NT2 erbium 165
NT2 erbium 171
NT2 europium 150
NT2 europium 152
NT2 europium 157
NT2 fermium 251
NT2 fermium 254
NT2 fermium 255
NT2 fermium 256
NT2 fluorine 18
NT2 gadolinium 159
NT2 gallium 66
NT2 gallium 68
NT2 gallium 72
NT2 gallium 73
NT2 germanium 66
NT2 germanium 75
NT2 germanium 77
NT2 germanium 78
NT2 gold 191
NT2 gold 192
NT2 gold 193
NT2 gold 196
NT2 gold 200
NT2 hafnium 170
NT2 hafnium 171
NT2 hafnium 173
NT2 hafnium 180
NT2 hafnium 182
NT2 hafnium 183
NT2 hafnium 184
NT2 holmium 160
NT2 holmium 161
NT2 holmium 162
NT2 holmium 167
NT2 indium 109
NT2 indium 110
NT2 indium 113
NT2 indium 115
NT2 indium 117
NT2 iodine 120
NT2 iodine 121
NT2 iodine 123
NT2 iodine 130
NT2 iodine 132
NT2 iodine 133
NT2 iodine 135
NT2 iridium 184
NT2 iridium 185
NT2 iridium 186
NT2 iridium 187

NT2 iridium 190
NT2 iridium 194
NT2 iridium 195
NT2 iridium 196
NT2 iron 52
NT2 krypton 76
NT2 krypton 77
NT2 krypton 83
NT2 krypton 85
NT2 krypton 87
NT2 krypton 88
NT2 lanthanum 132
NT2 lanthanum 133
NT2 lanthanum 135
NT2 lanthanum 141
NT2 lanthanum 142
NT2 lead 198
NT2 lead 199
NT2 lead 200
NT2 lead 201
NT2 lead 202
NT2 lead 204
NT2 lead 209
NT2 lead 212
NT2 lutetium 176
NT2 lutetium 179
NT2 magnesium 28
NT2 manganese 56
NT2 mendelevium 256
NT2 mendelevium 257
NT2 mendelevium 259
NT2 mercury 192
NT2 mercury 193
NT2 mercury 195
NT2 mercury 197
NT2 molybdenum 90
NT2 molybdenum 93
NT2 neodymium 138
NT2 neodymium 139
NT2 neodymium 141
NT2 neodymium 149
NT2 neptunium 236
NT2 neptunium 240
NT2 nickel 65
NT2 niobium 89
NT2 niobium 90
NT2 niobium 96
NT2 niobium 97
NT2 osmium 181
NT2 osmium 182
NT2 osmium 183
NT2 osmium 189
NT2 osmium 191
NT2 palladium 101
NT2 palladium 109
NT2 palladium 111
NT2 palladium 112
NT2 platinum 185
NT2 platinum 186
NT2 platinum 187
NT2 platinum 189
NT2 platinum 197
NT2 platinum 200
NT2 plutonium 234
NT2 plutonium 243
NT2 plutonium 245
NT2 polonium 204
NT2 polonium 205
NT2 polonium 207
NT2 potassium 42
NT2 potassium 43
NT2 praseodymium 137
NT2 praseodymium 138
NT2 praseodymium 139
NT2 praseodymium 142
NT2 praseodymium 145
NT2 promethium 150
NT2 protactinium 228
NT2 protactinium 234
NT2 radium 230
NT2 radon 210
NT2 radon 211
NT2 radon 224
NT2 rhenium 181
NT2 rhenium 182
NT2 rhenium 188
NT2 rhenium 190
NT2 rhodium 100
NT2 rhodium 106
NT2 rhodium 99
NT2 rubidium 81
NT2 rubidium 82
NT2 ruthenium 105
NT2 ruthenium 95
NT2 samarium 142
NT2 samarium 156
NT2 scandium 43
NT2 scandium 44
NT2 selenium 73
NT2 silicon 31
NT2 silver 103
NT2 silver 104
NT2 silver 112
NT2 silver 113
NT2 sodium 24
NT2 strontium 80
NT2 strontium 85
NT2 strontium 87
NT2 strontium 91
NT2 strontium 92
NT2 sulfur 38
NT2 tantalum 173
NT2 tantalum 174
NT2 tantalum 175
NT2 tantalum 176
NT2 tantalum 178
NT2 tantalum 180
NT2 tantalum 184
NT2 technetium 93
NT2 technetium 94
NT2 technetium 95
NT2 technetium 99
NT2 tellurium 116
NT2 tellurium 117
NT2 tellurium 119
NT2 tellurium 127
NT2 tellurium 129
NT2 terbium 147
NT2 terbium 148
NT2 terbium 149
NT2 terbium 150
NT2 terbium 151
NT2 terbium 152
NT2 terbium 154
NT2 terbium 156
NT2 thallium 195
NT2 thallium 196
NT2 thallium 197
NT2 thallium 198
NT2 thallium 199
NT2 thulium 163
NT2 thulium 166
NT2 thulium 173
NT2 tin 110
NT2 tin 127
NT2 titanium 45
NT2 tungsten 176
NT2 tungsten 177
NT2 uranium 240
NT2 xenon 122
NT2 xenon 123
NT2 xenon 125
NT2 xenon 135
NT2 ytterbium 164
NT2 ytterbium 177
NT2 ytterbium 178
NT2 yttrium 85
NT2 yttrium 86
NT2 yttrium 87
NT2 yttrium 90
NT2 yttrium 92
NT2 yttrium 93
NT2 zinc 62
NT2 zinc 69
NT2 zinc 71
NT2 zirconium 86
NT2 zirconium 87
NT2 zirconium 97
NT1 internal conversion radioisotopes
NT2 actinium 227
NT2 antimony 119
NT2 antimony 122
NT2 antimony 124
NT2 antimony 126
NT2 astatine 212
NT2 barium 131
NT2 barium 133
NT2 barium 135
NT2 berkelium 243
NT2 bromine 77
NT2 bromine 80
NT2 bromine 82
NT2 cadmium 111
NT2 cadmium 113
NT2 californium 247
NT2 californium 250
NT2 cerium 133
NT2 cerium 137
NT2 cesium 123
NT2 cesium 134
NT2 cesium 138
NT2 cobalt 58
NT2 cobalt 60
NT2 dysprosium 159
NT2 einsteinium 254
NT2 erbium 156
NT2 erbium 169
NT2 germanium 73
NT2 germanium 75
NT2 gold 191
NT2 gold 193
NT2 gold 195
NT2 gold 196
NT2 gold 197
NT2 hafnium 178
NT2 hafnium 179
NT2 hafnium 180
NT2 holmium 158
NT2 holmium 160
NT2 holmium 164
NT2 indium 112
NT2 indium 114
NT2 indium 115
NT2 indium 116
NT2 indium 121
NT2 iodine 125
NT2 iodine 129
NT2 iodine 130
NT2 iodine 132
NT2 iodine 133
NT2 iridium 190
NT2 iridium 191
NT2 iridium 192
NT2 iridium 193
NT2 krypton 79
NT2 krypton 83
NT2 lead 199
NT2 lead 202
NT2 lutetium 169
NT2 lutetium 170
NT2 lutetium 171
NT2 lutetium 172
NT2 lutetium 176
NT2 mercury 193
NT2 mercury 195
NT2 mercury 197
NT2 mercury 199

NT2 molybdenum 93
NT2 neodymium 147
NT2 neptunium 236
NT2 niobium 91
NT2 niobium 93
NT2 niobium 94
NT2 osmium 180
NT2 osmium 189
NT2 osmium 190
NT2 osmium 191
NT2 osmium 194
NT2 palladium 112
NT2 platinum 193
NT2 platinum 195
NT2 platinum 197
NT2 platinum 199
NT2 plutonium 235
NT2 plutonium 237
NT2 polonium 199
NT2 polonium 201
NT2 polonium 202
NT2 polonium 203
NT2 polonium 205
NT2 polonium 206
NT2 polonium 207
NT2 praseodymium 142
NT2 promethium 145
NT2 radium 213
NT2 radium 225
NT2 radium 228
NT2 radium 230
NT2 radon 210
NT2 radon 211
NT2 rhenium 183
NT2 rhenium 184
NT2 rhenium 188
NT2 rhenium 189
NT2 rhodium 100
NT2 rhodium 101
NT2 rhodium 103
NT2 rhodium 105
NT2 rhodium 96
NT2 rubidium 81
NT2 samarium 145
NT2 samarium 151
NT2 scandium 46
NT2 selenium 79
NT2 selenium 81
NT2 silver 103
NT2 silver 105
NT2 silver 107
NT2 silver 109
NT2 silver 111
NT2 silver 99
NT2 tantalum 182
NT2 technetium 96
NT2 technetium 97
NT2 technetium 99
NT2 tellurium 121
NT2 tellurium 123
NT2 tellurium 125
NT2 terbium 151
NT2 terbium 157
NT2 terbium 158
NT2 thallium 198
NT2 thorium 234
NT2 thulium 159
NT2 thulium 161
NT2 tin 113
NT2 tin 119
NT2 tin 121
NT2 tungsten 176
NT2 tungsten 181
NT2 tungsten 185
NT2 uranium 230
NT2 uranium 235
NT2 uranium 240
NT2 xenon 125
NT2 xenon 129
NT2 xenon 131
NT2 xenon 133
NT2 ytterbium 164
NT2 ytterbium 165
NT2 ytterbium 166
NT2 ytterbium 177
NT2 yttrium 86
NT1 isomeric transition isotopes
NT2 actinium 222
NT2 aluminium 24
NT2 americium 242
NT2 antimony 113
NT2 antimony 117
NT2 antimony 122
NT2 antimony 124
NT2 antimony 126
NT2 antimony 131
NT2 arsenic 75
NT2 astatine 202
NT2 barium 127
NT2 barium 131
NT2 barium 133
NT2 barium 135
NT2 barium 136
NT2 barium 137
NT2 barium 138
NT2 bismuth 198
NT2 bismuth 201
NT2 bismuth 208
NT2 bismuth 211
NT2 bromine 76
NT2 bromine 77
NT2 bromine 79
NT2 bromine 80
NT2 bromine 82
NT2 bromine 83
NT2 cadmium 100
NT2 cadmium 111
NT2 cadmium 113
NT2 cerium 135
NT2 cerium 137
NT2 cerium 138
NT2 cerium 139
NT2 cesium 121
NT2 cesium 123
NT2 cesium 134
NT2 cesium 135
NT2 cesium 136
NT2 cesium 138
NT2 chlorine 34
NT2 chlorine 38
NT2 cobalt 58
NT2 cobalt 60
NT2 copper 68
NT2 dysprosium 147
NT2 dysprosium 149
NT2 dysprosium 165
NT2 erbium 151
NT2 erbium 167
NT2 europium 141
NT2 europium 152
NT2 europium 154
NT2 fermium 250
NT2 fermium 256
NT2 fluorine 18
NT2 francium 206
NT2 francium 211
NT2 francium 212
NT2 francium 213
NT2 francium 218
NT2 gadolinium 141
NT2 gadolinium 145
NT2 gadolinium 147
NT2 gadolinium 148
NT2 gallium 72
NT2 gallium 74
NT2 germanium 71
NT2 germanium 73
NT2 germanium 75
NT2 germanium 77
NT2 gold 191
NT2 gold 193
NT2 gold 195
NT2 gold 196
NT2 gold 197
NT2 gold 198
NT2 gold 200
NT2 hafnium 156
NT2 hafnium 177
NT2 hafnium 178
NT2 hafnium 179
NT2 hafnium 180
NT2 hafnium 182
NT2 holmium 148
NT2 holmium 156
NT2 holmium 158
NT2 holmium 159
NT2 holmium 160
NT2 holmium 161
NT2 holmium 162
NT2 holmium 163
NT2 holmium 164
NT2 holmium 168
NT2 indium 104
NT2 indium 107
NT2 indium 109
NT2 indium 111
NT2 indium 112
NT2 indium 113
NT2 indium 114
NT2 indium 115
NT2 indium 116
NT2 indium 117
NT2 indium 118
NT2 indium 119
NT2 indium 121
NT2 iodine 116
NT2 iodine 121
NT2 iodine 122
NT2 iodine 130
NT2 iodine 132
NT2 iodine 133
NT2 iodine 134
NT2 iridium 190
NT2 iridium 191
NT2 iridium 192
NT2 iridium 193
NT2 iridium 194
NT2 iron 53
NT2 krypton 79
NT2 krypton 81
NT2 krypton 83
NT2 krypton 84
NT2 krypton 85
NT2 krypton 86
NT2 lanthanum 132
NT2 lead 194
NT2 lead 197
NT2 lead 199
NT2 lead 200
NT2 lead 201
NT2 lead 202
NT2 lead 203
NT2 lead 204
NT2 lead 205
NT2 lead 207
NT2 lutetium 153
NT2 lutetium 154
NT2 lutetium 161
NT2 lutetium 169
NT2 lutetium 170
NT2 lutetium 171
NT2 lutetium 172
NT2 lutetium 174
NT2 lutetium 177
NT2 manganese 60
NT2 mercury 193
NT2 mercury 195

NT2 mercury 197
NT2 mercury 199
NT2 mercury 201
NT2 molybdenum 89
NT2 molybdenum 91
NT2 molybdenum 92
NT2 molybdenum 93
NT2 molybdenum 94
NT2 neodymium 137
NT2 neodymium 139
NT2 neodymium 141
NT2 neptunium 237
NT2 niobium 86
NT2 niobium 90
NT2 niobium 91
NT2 niobium 93
NT2 niobium 94
NT2 niobium 95
NT2 niobium 97
NT2 nobelium 254
NT2 osmium 182
NT2 osmium 183
NT2 osmium 189
NT2 osmium 190
NT2 osmium 191
NT2 osmium 192
NT2 palladium 107
NT2 palladium 109
NT2 palladium 111
NT2 palladium 117
NT2 platinum 184
NT2 platinum 193
NT2 platinum 195
NT2 platinum 197
NT2 platinum 199
NT2 plutonium 237
NT2 polonium 201
NT2 polonium 203
NT2 polonium 207
NT2 polonium 210
NT2 potassium 40
NT2 praseodymium 142
NT2 praseodymium 144
NT2 promethium 148
NT2 protactinium 234
NT2 radium 213
NT2 radon 197
NT2 radon 210
NT2 radon 211
NT2 rhenium 167
NT2 rhenium 169
NT2 rhenium 184
NT2 rhenium 186
NT2 rhenium 188
NT2 rhenium 190
NT2 rhodium 100
NT2 rhodium 101
NT2 rhodium 103
NT2 rhodium 104
NT2 rhodium 105
NT2 rhodium 95
NT2 rhodium 96
NT2 rhodium 97
NT2 rubidium 76
NT2 rubidium 78
NT2 rubidium 81
NT2 rubidium 84
NT2 rubidium 85
NT2 rubidium 86
NT2 rubidium 90
NT2 ruthenium 93
NT2 samarium 139
NT2 samarium 141
NT2 samarium 143
NT2 scandium 44
NT2 scandium 46
NT2 scandium 50
NT2 selenium 73
NT2 selenium 77
NT2 selenium 79
NT2 selenium 81
NT2 silver 101
NT2 silver 102
NT2 silver 103
NT2 silver 105
NT2 silver 107
NT2 silver 108
NT2 silver 109
NT2 silver 110
NT2 silver 111
NT2 silver 113
NT2 silver 116
NT2 silver 118
NT2 silver 120
NT2 silver 99
NT2 sodium 22
NT2 sodium 24
NT2 strontium 83
NT2 strontium 85
NT2 strontium 87
NT2 tantalum 182
NT2 technetium 102
NT2 technetium 93
NT2 technetium 95
NT2 technetium 96
NT2 technetium 97
NT2 technetium 99
NT2 tellurium 121
NT2 tellurium 123
NT2 tellurium 125
NT2 tellurium 127
NT2 tellurium 129
NT2 tellurium 131
NT2 tellurium 133
NT2 terbium 144
NT2 terbium 146
NT2 terbium 151
NT2 terbium 152
NT2 terbium 154
NT2 terbium 156
NT2 terbium 158
NT2 thallium 179
NT2 thallium 185
NT2 thallium 186
NT2 thallium 187
NT2 thallium 193
NT2 thallium 195
NT2 thallium 196
NT2 thallium 197
NT2 thallium 198
NT2 thallium 201
NT2 thallium 206
NT2 thallium 207
NT2 thulium 150
NT2 thulium 162
NT2 thulium 164
NT2 tin 102
NT2 tin 113
NT2 tin 117
NT2 tin 119
NT2 tin 121
NT2 tin 129
NT2 tin 131
NT2 tungsten 179
NT2 tungsten 180
NT2 tungsten 183
NT2 tungsten 185
NT2 uranium 235
NT2 xenon 125
NT2 xenon 127
NT2 xenon 129
NT2 xenon 131
NT2 xenon 133
NT2 xenon 135
NT2 ytterbium 153
NT2 ytterbium 169
NT2 ytterbium 175
NT2 ytterbium 176
NT2 ytterbium 177
NT2 yttrium 86
NT2 yttrium 87
NT2 yttrium 88
NT2 yttrium 89
NT2 yttrium 90
NT2 yttrium 91
NT2 yttrium 93
NT2 yttrium 97
NT2 zinc 69
NT2 zirconium 85
NT2 zirconium 87
NT2 zirconium 89
NT2 zirconium 90
NT1 microseconds living radioisotopes
NT2 actinium 216
NT2 actinium 218
NT2 actinium 219
NT2 astatine 215
NT2 astatine 216
NT2 element 104 254
NT2 element 108 264
NT2 element 110 269
NT2 element 112 277
NT2 europium 130
NT2 fermium 242
NT2 fermium 258
NT2 francium 212
NT2 francium 213
NT2 francium 217
NT2 gold 170
NT2 gold 171
NT2 hafnium 156
NT2 iodine 109
NT2 iodine 116
NT2 iodine 121
NT2 iodine 122
NT2 krypton 84
NT2 krypton 85
NT2 lutetium 154
NT2 mercury 201
NT2 nobelium 250
NT2 polonium 188
NT2 polonium 213
NT2 polonium 214
NT2 protactinium 218
NT2 protactinium 221
NT2 radium 217
NT2 radium 218
NT2 radon 215
NT2 radon 216
NT2 radon 217
NT2 rubidium 76
NT2 tellurium 106
NT2 thorium 217
NT2 thorium 219
NT2 thorium 220
NT2 thulium 145
NT2 tin 102
NT2 uranium 219
NT2 uranium 222
NT2 uranium 223
NT2 uranium 224
NT2 ytterbium 153
NT1 milliseconds living radioisotopes
NT2 actinium 207
NT2 actinium 208
NT2 actinium 209
NT2 actinium 210
NT2 actinium 211
NT2 actinium 212
NT2 actinium 213
NT2 actinium 215
NT2 actinium 220
NT2 actinium 221
NT2 aluminium 22
NT2 aluminium 23
NT2 aluminium 24
NT2 aluminium 31

NT2 aluminium 32
NT2 aluminium 34
NT2 antimony 104
NT2 antimony 134
NT2 antimony 136
NT2 argon 31
NT2 argon 32
NT2 argon 33
NT2 argon 34
NT2 arsenic 64
NT2 arsenic 66
NT2 arsenic 75
NT2 arsenic 84
NT2 arsenic 86
NT2 arsenic 87
NT2 astatine 191
NT2 astatine 193
NT2 astatine 194
NT2 astatine 195
NT2 astatine 196
NT2 astatine 197
NT2 astatine 212
NT2 astatine 217
NT2 barium 114
NT2 barium 115
NT2 barium 116
NT2 barium 136
NT2 barium 147
NT2 barium 148
NT2 barium 149
NT2 beryllium 12
NT2 beryllium 14
NT2 bismuth 186
NT2 boron 12
NT2 boron 13
NT2 boron 14
NT2 boron 15
NT2 boron 17
NT2 boron 8
NT2 bromine 70
NT2 bromine 91
NT2 bromine 92
NT2 bromine 93
NT2 cadmium 125
NT2 cadmium 126
NT2 cadmium 127
NT2 cadmium 128
NT2 cadmium 130
NT2 cadmium 96
NT2 calcium 36
NT2 calcium 37
NT2 calcium 38
NT2 calcium 39
NT2 calcium 53
NT2 carbon 16
NT2 carbon 17
NT2 carbon 18
NT2 carbon 9
NT2 cesium 114
NT2 cesium 116
NT2 cesium 145
NT2 cesium 146
NT2 cesium 147
NT2 cesium 148
NT2 cesium 149
NT2 cesium 150
NT2 chlorine 31
NT2 chlorine 32
NT2 chromium 45
NT2 chromium 46
NT2 chromium 47
NT2 chromium 60
NT2 cobalt 52
NT2 cobalt 53
NT2 cobalt 54
NT2 cobalt 64
NT2 cobalt 66
NT2 cobalt 67
NT2 copper 56
NT2 copper 57
NT2 copper 76
NT2 copper 77
NT2 copper 78
NT2 copper 79
NT2 dysprosium 149
NT2 element 104 256
NT2 element 104 258
NT2 element 104 260
NT2 element 104 262
NT2 element 106 259
NT2 element 106 260
NT2 element 106 261
NT2 element 106 262
NT2 element 106 263
NT2 element 107 261
NT2 element 107 262
NT2 element 107 264
NT2 element 108 265
NT2 element 108 266
NT2 element 109 268
NT2 element 110 270
NT2 element 111 272
NT2 erbium 151
NT2 europium 131
NT2 europium 134
NT2 fermium 243
NT2 fermium 244
NT2 fluorine 24
NT2 francium 199
NT2 francium 200
NT2 francium 201
NT2 francium 202
NT2 francium 203
NT2 francium 206
NT2 francium 214
NT2 francium 218
NT2 francium 219
NT2 gallium 60
NT2 gallium 62
NT2 gallium 72
NT2 gallium 82
NT2 gallium 83
NT2 gallium 84
NT2 germanium 61
NT2 germanium 62
NT2 germanium 71
NT2 germanium 73
NT2 germanium 85
NT2 gold 172
NT2 gold 173
NT2 gold 174
NT2 gold 175
NT2 gold 191
NT2 hafnium 155
NT2 hafnium 156
NT2 hafnium 157
NT2 helium 6
NT2 helium 8
NT2 holmium 141
NT2 holmium 144
NT2 holmium 148
NT2 indium 114
NT2 indium 128
NT2 indium 129
NT2 indium 130
NT2 indium 131
NT2 indium 132
NT2 indium 133
NT2 indium 134
NT2 indium 135
NT2 iodine 108
NT2 iodine 110
NT2 iodine 140
NT2 iodine 141
NT2 iodine 142
NT2 iridium 166
NT2 iridium 167
NT2 iridium 169
NT2 iridium 194
NT2 iron 45
NT2 iron 46
NT2 iron 49
NT2 iron 51
NT2 krypton 71
NT2 krypton 94
NT2 krypton 95
NT2 lanthanum 150
NT2 lawrencium 257
NT2 lead 180
NT2 lead 182
NT2 lead 184
NT2 lead 205
NT2 lead 207
NT2 lithium 10
NT2 lithium 11
NT2 lithium 8
NT2 lithium 9
NT2 lutetium 151
NT2 lutetium 152
NT2 lutetium 153
NT2 lutetium 155
NT2 lutetium 156
NT2 lutetium 161
NT2 lutetium 170
NT2 magnesium 20
NT2 magnesium 21
NT2 magnesium 30
NT2 magnesium 31
NT2 manganese 48
NT2 manganese 49
NT2 manganese 50
NT2 manganese 61
NT2 manganese 62
NT2 manganese 63
NT2 mercury 175
NT2 mercury 176
NT2 mercury 177
NT2 mercury 178
NT2 molybdenum 109
NT2 molybdenum 89
NT2 neon 17
NT2 neon 25
NT2 neon 26
NT2 neptunium 226
NT2 neptunium 227
NT2 nickel 49
NT2 nickel 50
NT2 nickel 52
NT2 nickel 53
NT2 nickel 55
NT2 nickel 73
NT2 niobium 108
NT2 nitrogen 12
NT2 nitrogen 18
NT2 nitrogen 19
NT2 nobelium 251
NT2 nobelium 254
NT2 nobelium 258
NT2 osmium 162
NT2 osmium 164
NT2 osmium 165
NT2 osmium 166
NT2 osmium 167
NT2 oxygen 13
NT2 oxygen 24
NT2 palladium 117
NT2 palladium 119
NT2 palladium 120
NT2 phosphorus 26
NT2 phosphorus 27
NT2 phosphorus 28
NT2 phosphorus 38
NT2 platinum 169
NT2 platinum 170
NT2 platinum 171
NT2 platinum 172
NT2 platinum 173

NT2 platinum 174
NT2 platinum 184
NT2 plutonium 230
NT2 polonium 190
NT2 polonium 192
NT2 polonium 193
NT2 polonium 194
NT2 polonium 211
NT2 polonium 215
NT2 polonium 216
NT2 potassium 35
NT2 potassium 36
NT2 potassium 50
NT2 potassium 51
NT2 potassium 52
NT2 potassium 53
NT2 potassium 54
NT2 protactinium 212
NT2 protactinium 213
NT2 protactinium 214
NT2 protactinium 215
NT2 protactinium 216
NT2 protactinium 217
NT2 protactinium 222
NT2 protactinium 223
NT2 protactinium 224
NT2 radium 205
NT2 radium 206
NT2 radium 213
NT2 radium 215
NT2 radium 219
NT2 radium 220
NT2 radon 197
NT2 radon 199
NT2 radon 213
NT2 radon 218
NT2 rhenium 161
NT2 rhenium 162
NT2 rhenium 163
NT2 rhenium 164
NT2 rhodium 115
NT2 rhodium 116
NT2 rhodium 118
NT2 rubidium 100
NT2 rubidium 74
NT2 rubidium 95
NT2 rubidium 96
NT2 rubidium 97
NT2 rubidium 98
NT2 rubidium 99
NT2 ruthenium 114
NT2 scandium 40
NT2 scandium 41
NT2 scandium 42
NT2 scandium 50
NT2 selenium 65
NT2 selenium 66
NT2 selenium 67
NT2 selenium 89
NT2 selenium 91
NT2 silicon 24
NT2 silicon 25
NT2 silicon 35
NT2 silicon 36
NT2 silver 120
NT2 silver 121
NT2 silver 123
NT2 silver 94
NT2 silver 95
NT2 sodium 19
NT2 sodium 24
NT2 sodium 27
NT2 sodium 28
NT2 sodium 29
NT2 sodium 30
NT2 sodium 31
NT2 sodium 32
NT2 sodium 33
NT2 sodium 34
NT2 sodium 35
NT2 strontium 100
NT2 strontium 101
NT2 strontium 102
NT2 strontium 75
NT2 strontium 97
NT2 strontium 98
NT2 strontium 99
NT2 sulfur 28
NT2 sulfur 29
NT2 tantalum 156
NT2 tantalum 157
NT2 tantalum 158
NT2 tantalum 159
NT2 tantalum 182
NT2 technetium 110
NT2 technetium 111
NT2 technetium 112
NT2 technetium 113
NT2 tellurium 107
NT2 terbium 146
NT2 thallium 179
NT2 thallium 183
NT2 thorium 212
NT2 thorium 213
NT2 thorium 214
NT2 thorium 216
NT2 thorium 221
NT2 thorium 222
NT2 thorium 223
NT2 thulium 146
NT2 thulium 147
NT2 thulium 150
NT2 titanium 40
NT2 titanium 41
NT2 titanium 42
NT2 titanium 43
NT2 tungsten 159
NT2 tungsten 160
NT2 tungsten 161
NT2 uranium 218
NT2 uranium 225
NT2 uranium 226
NT2 vanadium 42
NT2 vanadium 44
NT2 vanadium 45
NT2 vanadium 46
NT2 xenon 110
NT2 xenon 111
NT2 xenon 143
NT2 xenon 145
NT2 ytterbium 154
NT2 ytterbium 175
NT2 yttrium 100
NT2 yttrium 101
NT2 yttrium 102
NT2 yttrium 103
NT2 yttrium 88
NT2 yttrium 93
NT2 yttrium 97
NT2 yttrium 98
NT2 zinc 57
NT2 zinc 59
NT2 zinc 80
NT2 zinc 81
NT2 zirconium 90
NT1 minutes living radioisotopes
NT2 actinium 222
NT2 actinium 223
NT2 actinium 230
NT2 actinium 231
NT2 actinium 232
NT2 actinium 233
NT2 aluminium 28
NT2 aluminium 29
NT2 americium 233
NT2 americium 234
NT2 americium 235
NT2 americium 236
NT2 americium 244
NT2 americium 246
NT2 americium 247
NT2 antimony 111
NT2 antimony 113
NT2 antimony 114
NT2 antimony 115
NT2 antimony 116
NT2 antimony 118
NT2 antimony 120
NT2 antimony 122
NT2 antimony 124
NT2 antimony 126
NT2 antimony 128
NT2 antimony 129
NT2 antimony 130
NT2 antimony 131
NT2 antimony 132
NT2 antimony 133
NT2 argon 43
NT2 argon 44
NT2 arsenic 68
NT2 arsenic 69
NT2 arsenic 70
NT2 arsenic 79
NT2 astatine 201
NT2 astatine 202
NT2 astatine 203
NT2 astatine 204
NT2 astatine 205
NT2 astatine 206
NT2 astatine 220
NT2 astatine 221
NT2 barium 122
NT2 barium 123
NT2 barium 124
NT2 barium 125
NT2 barium 127
NT2 barium 131
NT2 barium 137
NT2 barium 141
NT2 barium 142
NT2 berkelium 240
NT2 berkelium 242
NT2 berkelium 251
NT2 bismuth 193
NT2 bismuth 194
NT2 bismuth 195
NT2 bismuth 196
NT2 bismuth 197
NT2 bismuth 198
NT2 bismuth 199
NT2 bismuth 200
NT2 bismuth 201
NT2 bismuth 211
NT2 bismuth 212
NT2 bismuth 213
NT2 bismuth 214
NT2 bismuth 215
NT2 bismuth 216
NT2 bromine 72
NT2 bromine 73
NT2 bromine 74
NT2 bromine 77
NT2 bromine 78
NT2 bromine 80
NT2 bromine 82
NT2 bromine 84
NT2 bromine 85
NT2 cadmium 100
NT2 cadmium 101
NT2 cadmium 102
NT2 cadmium 103
NT2 cadmium 104
NT2 cadmium 105
NT2 cadmium 111
NT2 cadmium 118
NT2 cadmium 119
NT2 calcium 49

NT2 californium 240
NT2 californium 241
NT2 californium 242
NT2 californium 243
NT2 californium 244
NT2 californium 245
NT2 californium 256
NT2 carbon 11
NT2 cerium 128
NT2 cerium 129
NT2 cerium 130
NT2 cerium 131
NT2 cerium 145
NT2 cerium 146
NT2 cesium 120
NT2 cesium 121
NT2 cesium 122
NT2 cesium 123
NT2 cesium 125
NT2 cesium 126
NT2 cesium 128
NT2 cesium 130
NT2 cesium 135
NT2 cesium 138
NT2 cesium 139
NT2 cesium 140
NT2 chlorine 34
NT2 chlorine 38
NT2 chlorine 39
NT2 chlorine 40
NT2 chromium 49
NT2 chromium 55
NT2 chromium 56
NT2 cobalt 54
NT2 cobalt 60
NT2 cobalt 62
NT2 copper 59
NT2 copper 60
NT2 copper 62
NT2 copper 66
NT2 copper 68
NT2 copper 69
NT2 curium 236
NT2 curium 237
NT2 curium 251
NT2 dysprosium 147
NT2 dysprosium 148
NT2 dysprosium 149
NT2 dysprosium 150
NT2 dysprosium 151
NT2 dysprosium 165
NT2 dysprosium 167
NT2 dysprosium 168
NT2 einsteinium 245
NT2 einsteinium 246
NT2 einsteinium 247
NT2 einsteinium 248
NT2 einsteinium 256
NT2 element 104 261
NT2 element 104 263
NT2 element 112 283
NT2 erbium 154
NT2 erbium 155
NT2 erbium 156
NT2 erbium 157
NT2 erbium 159
NT2 erbium 173
NT2 erbium 174
NT2 europium 142
NT2 europium 143
NT2 europium 154
NT2 europium 158
NT2 europium 159
NT2 fermium 249
NT2 fermium 250
NT2 fluorine 17
NT2 francium 210
NT2 francium 211
NT2 francium 212
NT2 francium 221
NT2 francium 222
NT2 francium 223
NT2 francium 224
NT2 francium 225
NT2 francium 227
NT2 gadolinium 142
NT2 gadolinium 143
NT2 gadolinium 144
NT2 gadolinium 145
NT2 gadolinium 161
NT2 gadolinium 162
NT2 gadolinium 163
NT2 gallium 64
NT2 gallium 65
NT2 gallium 70
NT2 gallium 74
NT2 gallium 75
NT2 germanium 64
NT2 germanium 67
NT2 gold 185
NT2 gold 186
NT2 gold 187
NT2 gold 188
NT2 gold 189
NT2 gold 190
NT2 gold 200
NT2 gold 201
NT2 hafnium 164
NT2 hafnium 165
NT2 hafnium 166
NT2 hafnium 167
NT2 hafnium 168
NT2 hafnium 169
NT2 hafnium 177
NT2 holmium 150
NT2 holmium 152
NT2 holmium 153
NT2 holmium 154
NT2 holmium 155
NT2 holmium 156
NT2 holmium 157
NT2 holmium 158
NT2 holmium 159
NT2 holmium 160
NT2 holmium 162
NT2 holmium 164
NT2 holmium 168
NT2 holmium 169
NT2 holmium 170
NT2 indium 103
NT2 indium 104
NT2 indium 105
NT2 indium 106
NT2 indium 107
NT2 indium 108
NT2 indium 109
NT2 indium 111
NT2 indium 112
NT2 indium 114
NT2 indium 116
NT2 indium 117
NT2 indium 118
NT2 indium 119
NT2 indium 121
NT2 iodine 115
NT2 iodine 117
NT2 iodine 118
NT2 iodine 119
NT2 iodine 120
NT2 iodine 122
NT2 iodine 128
NT2 iodine 130
NT2 iodine 134
NT2 iodine 136
NT2 iridium 179
NT2 iridium 180
NT2 iridium 181
NT2 iridium 182
NT2 iridium 183
NT2 iridium 192
NT2 iridium 197
NT2 iron 53
NT2 iron 61
NT2 iron 62
NT2 krypton 74
NT2 krypton 75
NT2 krypton 89
NT2 lanthanum 125
NT2 lanthanum 126
NT2 lanthanum 127
NT2 lanthanum 128
NT2 lanthanum 129
NT2 lanthanum 130
NT2 lanthanum 131
NT2 lanthanum 132
NT2 lanthanum 134
NT2 lanthanum 136
NT2 lanthanum 143
NT2 lawrencium 260
NT2 lead 190
NT2 lead 191
NT2 lead 192
NT2 lead 193
NT2 lead 194
NT2 lead 195
NT2 lead 196
NT2 lead 197
NT2 lead 199
NT2 lead 201
NT2 lead 211
NT2 lead 213
NT2 lead 214
NT2 lutetium 161
NT2 lutetium 162
NT2 lutetium 163
NT2 lutetium 164
NT2 lutetium 165
NT2 lutetium 166
NT2 lutetium 167
NT2 lutetium 168
NT2 lutetium 169
NT2 lutetium 171
NT2 lutetium 172
NT2 lutetium 178
NT2 lutetium 180
NT2 lutetium 181
NT2 lutetium 182
NT2 lutetium 187
NT2 magnesium 27
NT2 manganese 50
NT2 manganese 51
NT2 manganese 52
NT2 manganese 57
NT2 manganese 58
NT2 mendelevium 251
NT2 mendelevium 252
NT2 mendelevium 253
NT2 mendelevium 254
NT2 mendelevium 255
NT2 mendelevium 258
NT2 mercury 186
NT2 mercury 187
NT2 mercury 188
NT2 mercury 189
NT2 mercury 190
NT2 mercury 191
NT2 mercury 199
NT2 mercury 205
NT2 mercury 206
NT2 molybdenum 101
NT2 molybdenum 102
NT2 molybdenum 103
NT2 molybdenum 104
NT2 molybdenum 88
NT2 molybdenum 89
NT2 molybdenum 91
NT2 neodymium 132

NT2 neodymium 133
NT2 neodymium 134
NT2 neodymium 135
NT2 neodymium 136
NT2 neodymium 137
NT2 neodymium 139
NT2 neodymium 141
NT2 neodymium 151
NT2 neodymium 152
NT2 neon 24
NT2 neptunium 229
NT2 neptunium 230
NT2 neptunium 231
NT2 neptunium 232
NT2 neptunium 233
NT2 neptunium 240
NT2 neptunium 241
NT2 neptunium 242
NT2 neptunium 243
NT2 neptunium 244
NT2 niobium 85
NT2 niobium 86
NT2 niobium 87
NT2 niobium 88
NT2 niobium 94
NT2 niobium 98
NT2 niobium 99
NT2 nitrogen 13
NT2 nobelium 253
NT2 nobelium 255
NT2 nobelium 259
NT2 osmium 175
NT2 osmium 176
NT2 osmium 177
NT2 osmium 178
NT2 osmium 179
NT2 osmium 180
NT2 osmium 181
NT2 osmium 190
NT2 osmium 195
NT2 osmium 196
NT2 oxygen 14
NT2 oxygen 15
NT2 palladium 109
NT2 palladium 111
NT2 palladium 113
NT2 palladium 114
NT2 palladium 96
NT2 palladium 97
NT2 palladium 98
NT2 palladium 99
NT2 phosphorus 30
NT2 platinum 182
NT2 platinum 183
NT2 platinum 184
NT2 platinum 185
NT2 platinum 199
NT2 platinum 201
NT2 plutonium 232
NT2 plutonium 233
NT2 plutonium 235
NT2 polonium 198
NT2 polonium 199
NT2 polonium 200
NT2 polonium 201
NT2 polonium 202
NT2 polonium 203
NT2 polonium 218
NT2 potassium 38
NT2 potassium 44
NT2 potassium 45
NT2 potassium 46
NT2 praseodymium 131
NT2 praseodymium 132
NT2 praseodymium 133
NT2 praseodymium 134
NT2 praseodymium 135
NT2 praseodymium 136
NT2 praseodymium 138
NT2 praseodymium 140
NT2 praseodymium 142
NT2 praseodymium 144
NT2 praseodymium 146
NT2 praseodymium 147
NT2 praseodymium 148
NT2 praseodymium 149
NT2 promethium 136
NT2 promethium 137
NT2 promethium 138
NT2 promethium 139
NT2 promethium 140
NT2 promethium 141
NT2 promethium 152
NT2 promethium 153
NT2 promethium 154
NT2 protactinium 226
NT2 protactinium 227
NT2 protactinium 234
NT2 protactinium 235
NT2 protactinium 236
NT2 protactinium 237
NT2 protactinium 238
NT2 radium 213
NT2 radium 227
NT2 radium 229
NT2 radium 231
NT2 radium 232
NT2 radon 204
NT2 radon 205
NT2 radon 206
NT2 radon 207
NT2 radon 208
NT2 radon 209
NT2 radon 212
NT2 radon 221
NT2 radon 223
NT2 radon 225
NT2 radon 226
NT2 rhenium 173
NT2 rhenium 174
NT2 rhenium 175
NT2 rhenium 176
NT2 rhenium 177
NT2 rhenium 178
NT2 rhenium 179
NT2 rhenium 180
NT2 rhenium 188
NT2 rhenium 190
NT2 rhenium 191
NT2 rhodium 100
NT2 rhodium 103
NT2 rhodium 104
NT2 rhodium 107
NT2 rhodium 108
NT2 rhodium 109
NT2 rhodium 94
NT2 rhodium 95
NT2 rhodium 96
NT2 rhodium 97
NT2 rhodium 98
NT2 rubidium 77
NT2 rubidium 78
NT2 rubidium 79
NT2 rubidium 81
NT2 rubidium 82
NT2 rubidium 84
NT2 rubidium 86
NT2 rubidium 88
NT2 rubidium 89
NT2 rubidium 90
NT2 ruthenium 107
NT2 ruthenium 108
NT2 ruthenium 92
NT2 ruthenium 93
NT2 ruthenium 94
NT2 samarium 138
NT2 samarium 139
NT2 samarium 140
NT2 samarium 141
NT2 samarium 143
NT2 samarium 155
NT2 samarium 157
NT2 samarium 158
NT2 scandium 49
NT2 scandium 50
NT2 selenium 68
NT2 selenium 70
NT2 selenium 71
NT2 selenium 73
NT2 selenium 79
NT2 selenium 81
NT2 selenium 83
NT2 selenium 84
NT2 silver 100
NT2 silver 101
NT2 silver 102
NT2 silver 104
NT2 silver 105
NT2 silver 106
NT2 silver 108
NT2 silver 111
NT2 silver 113
NT2 silver 115
NT2 silver 116
NT2 silver 117
NT2 silver 99
NT2 strontium 78
NT2 strontium 79
NT2 strontium 81
NT2 strontium 93
NT2 strontium 94
NT2 sulfur 37
NT2 tantalum 167
NT2 tantalum 168
NT2 tantalum 169
NT2 tantalum 170
NT2 tantalum 171
NT2 tantalum 172
NT2 tantalum 178
NT2 tantalum 182
NT2 tantalum 185
NT2 tantalum 186
NT2 technetium 101
NT2 technetium 102
NT2 technetium 104
NT2 technetium 105
NT2 technetium 91
NT2 technetium 92
NT2 technetium 93
NT2 technetium 94
NT2 technetium 96
NT2 tellurium 112
NT2 tellurium 113
NT2 tellurium 114
NT2 tellurium 115
NT2 tellurium 131
NT2 tellurium 133
NT2 tellurium 134
NT2 terbium 147
NT2 terbium 148
NT2 terbium 149
NT2 terbium 150
NT2 terbium 152
NT2 terbium 162
NT2 terbium 163
NT2 terbium 164
NT2 terbium 165
NT2 thallium 188
NT2 thallium 189
NT2 thallium 190
NT2 thallium 191
NT2 thallium 192
NT2 thallium 193
NT2 thallium 194
NT2 thallium 206
NT2 thallium 207
NT2 thallium 208

NT2 thallium 209
NT2 thallium 210
NT2 thorium 225
NT2 thorium 226
NT2 thorium 233
NT2 thorium 235
NT2 thorium 236
NT2 thorium 237
NT2 thulium 156
NT2 thulium 157
NT2 thulium 158
NT2 thulium 159
NT2 thulium 160
NT2 thulium 161
NT2 thulium 162
NT2 thulium 164
NT2 thulium 174
NT2 thulium 175
NT2 thulium 176
NT2 thulium 177
NT2 tin 106
NT2 tin 107
NT2 tin 108
NT2 tin 109
NT2 tin 111
NT2 tin 113
NT2 tin 123
NT2 tin 125
NT2 tin 127
NT2 tin 128
NT2 tin 129
NT2 tin 130
NT2 tin 131
NT2 titanium 51
NT2 titanium 52
NT2 tungsten 170
NT2 tungsten 171
NT2 tungsten 172
NT2 tungsten 173
NT2 tungsten 174
NT2 tungsten 175
NT2 tungsten 179
NT2 tungsten 185
NT2 tungsten 189
NT2 tungsten 190
NT2 uranium 227
NT2 uranium 228
NT2 uranium 229
NT2 uranium 235
NT2 uranium 239
NT2 uranium 242
NT2 vanadium 47
NT2 vanadium 52
NT2 vanadium 53
NT2 xenon 117
NT2 xenon 118
NT2 xenon 119
NT2 xenon 120
NT2 xenon 121
NT2 xenon 127
NT2 xenon 135
NT2 xenon 137
NT2 xenon 138
NT2 ytterbium 158
NT2 ytterbium 159
NT2 ytterbium 160
NT2 ytterbium 161
NT2 ytterbium 162
NT2 ytterbium 163
NT2 ytterbium 165
NT2 ytterbium 167
NT2 ytterbium 179
NT2 ytterbium 180
NT2 yttrium 81
NT2 yttrium 83
NT2 yttrium 84
NT2 yttrium 86
NT2 yttrium 91
NT2 yttrium 94
NT2 yttrium 95
NT2 zinc 60
NT2 zinc 61
NT2 zinc 63
NT2 zinc 69
NT2 zinc 71
NT2 zinc 74
NT2 zirconium 81
NT2 zirconium 82
NT2 zirconium 84
NT2 zirconium 85
NT2 zirconium 89
NT1 nanoseconds living radioisotopes
NT2 actinium 217
NT2 antimony 113
NT2 antimony 117
NT2 astatine 213
NT2 astatine 214
NT2 barium 138
NT2 bismuth 211
NT2 bromine 83
NT2 cesium 113
NT2 fermium 256
NT2 fluorine 18
NT2 francium 211
NT2 francium 212
NT2 francium 213
NT2 francium 215
NT2 francium 216
NT2 gadolinium 147
NT2 gadolinium 148
NT2 krypton 86
NT2 krypton 97
NT2 lead 194
NT2 lead 200
NT2 molybdenum 92
NT2 molybdenum 94
NT2 neptunium 237
NT2 osmium 182
NT2 phosphorus 25
NT2 plutonium 237
NT2 polonium 210
NT2 polonium 212
NT2 potassium 40
NT2 protactinium 219
NT2 protactinium 220
NT2 radium 216
NT2 radon 210
NT2 radon 211
NT2 radon 214
NT2 rubidium 85
NT2 sodium 22
NT2 thorium 218
NT1 neutron-deficient isotopes
NT1 proton decay radioisotopes
NT2 arsenic 64
NT2 cesium 113
NT2 cobalt 52
NT2 cobalt 53
NT2 europium 130
NT2 europium 131
NT2 fluorine 14
NT2 germanium 62
NT2 gold 170
NT2 gold 171
NT2 holmium 141
NT2 iodine 109
NT2 lutetium 151
NT2 scandium 39
NT2 selenium 66
NT2 thulium 145
NT2 thulium 146
NT2 thulium 147
NT1 seconds living radioisotopes
NT2 actinium 214
NT2 actinium 222
NT2 actinium 234
NT2 aluminium 24
NT2 aluminium 25
NT2 aluminium 26
NT2 aluminium 30
NT2 americium 232
NT2 antimony 105
NT2 antimony 106
NT2 antimony 108
NT2 antimony 109
NT2 antimony 110
NT2 antimony 112
NT2 antimony 126
NT2 antimony 134
NT2 antimony 135
NT2 argon 35
NT2 argon 45
NT2 argon 46
NT2 arsenic 67
NT2 arsenic 80
NT2 arsenic 81
NT2 arsenic 82
NT2 arsenic 83
NT2 arsenic 84
NT2 arsenic 85
NT2 astatine 198
NT2 astatine 199
NT2 astatine 200
NT2 astatine 202
NT2 astatine 218
NT2 astatine 219
NT2 astatine 222
NT2 astatine 223
NT2 barium 117
NT2 barium 118
NT2 barium 119
NT2 barium 120
NT2 barium 121
NT2 barium 127
NT2 barium 143
NT2 barium 144
NT2 barium 145
NT2 barium 146
NT2 beryllium 11
NT2 bismuth 189
NT2 bismuth 190
NT2 bismuth 191
NT2 bismuth 192
NT2 bismuth 193
NT2 bismuth 198
NT2 bromine 71
NT2 bromine 76
NT2 bromine 79
NT2 bromine 86
NT2 bromine 87
NT2 bromine 88
NT2 bromine 89
NT2 bromine 90
NT2 cadmium 120
NT2 cadmium 121
NT2 cadmium 122
NT2 cadmium 123
NT2 cadmium 124
NT2 cadmium 97
NT2 cadmium 98
NT2 cadmium 99
NT2 calcium 50
NT2 calcium 51
NT2 calcium 52
NT2 californium 239
NT2 carbon 10
NT2 carbon 15
NT2 cerium 121
NT2 cerium 123
NT2 cerium 124
NT2 cerium 125
NT2 cerium 126
NT2 cerium 127
NT2 cerium 135
NT2 cerium 139
NT2 cerium 147
NT2 cerium 148

NT2 cerium 149
NT2 cerium 150
NT2 cerium 151
NT2 cerium 152
NT2 cesium 115
NT2 cesium 116
NT2 cesium 117
NT2 cesium 118
NT2 cesium 119
NT2 cesium 122
NT2 cesium 123
NT2 cesium 124
NT2 cesium 136
NT2 cesium 141
NT2 cesium 142
NT2 cesium 143
NT2 cesium 144
NT2 chlorine 33
NT2 chlorine 34
NT2 chlorine 38
NT2 chlorine 41
NT2 chromium 57
NT2 chromium 58
NT2 chromium 59
NT2 cobalt 63
NT2 cobalt 65
NT2 copper 58
NT2 copper 68
NT2 copper 70
NT2 copper 71
NT2 copper 72
NT2 copper 73
NT2 copper 74
NT2 copper 75
NT2 dysprosium 141
NT2 dysprosium 142
NT2 dysprosium 143
NT2 dysprosium 144
NT2 dysprosium 145
NT2 dysprosium 146
NT2 dysprosium 147
NT2 dysprosium 169
NT2 einsteinium 243
NT2 einsteinium 244
NT2 element 104 253
NT2 element 104 255
NT2 element 104 257
NT2 element 104 259
NT2 element 105 255
NT2 element 105 256
NT2 element 105 257
NT2 element 105 258
NT2 element 105 259
NT2 element 105 260
NT2 element 105 261
NT2 element 105 262
NT2 element 105 263
NT2 element 106 265
NT2 element 106 266
NT2 element 108 270
NT2 element 109 266
NT2 erbium 146
NT2 erbium 147
NT2 erbium 148
NT2 erbium 149
NT2 erbium 150
NT2 erbium 151
NT2 erbium 152
NT2 erbium 153
NT2 erbium 167
NT2 europium 135
NT2 europium 136
NT2 europium 138
NT2 europium 139
NT2 europium 140
NT2 europium 141
NT2 europium 142
NT2 europium 144
NT2 europium 160
NT2 europium 161
NT2 europium 162
NT2 fermium 245
NT2 fermium 246
NT2 fermium 247
NT2 fermium 248
NT2 fermium 250
NT2 fermium 259
NT2 fluorine 20
NT2 fluorine 21
NT2 fluorine 22
NT2 fluorine 23
NT2 francium 204
NT2 francium 205
NT2 francium 206
NT2 francium 207
NT2 francium 208
NT2 francium 209
NT2 francium 213
NT2 francium 220
NT2 francium 226
NT2 francium 228
NT2 francium 229
NT2 francium 230
NT2 francium 231
NT2 francium 232
NT2 gadolinium 135
NT2 gadolinium 140
NT2 gadolinium 141
NT2 gadolinium 143
NT2 gadolinium 164
NT2 gadolinium 165
NT2 gallium 63
NT2 gallium 74
NT2 gallium 76
NT2 gallium 77
NT2 gallium 78
NT2 gallium 79
NT2 gallium 80
NT2 gallium 81
NT2 germanium 65
NT2 germanium 75
NT2 germanium 77
NT2 germanium 79
NT2 germanium 80
NT2 germanium 81
NT2 germanium 82
NT2 germanium 83
NT2 germanium 84
NT2 gold 176
NT2 gold 177
NT2 gold 178
NT2 gold 179
NT2 gold 180
NT2 gold 181
NT2 gold 182
NT2 gold 183
NT2 gold 184
NT2 gold 193
NT2 gold 195
NT2 gold 196
NT2 gold 197
NT2 gold 202
NT2 gold 203
NT2 gold 204
NT2 gold 205
NT2 hafnium 154
NT2 hafnium 158
NT2 hafnium 159
NT2 hafnium 160
NT2 hafnium 161
NT2 hafnium 162
NT2 hafnium 163
NT2 hafnium 177
NT2 hafnium 178
NT2 hafnium 179
NT2 holmium 145
NT2 holmium 146
NT2 holmium 148
NT2 holmium 149
NT2 holmium 150
NT2 holmium 151
NT2 holmium 152
NT2 holmium 159
NT2 holmium 161
NT2 holmium 163
NT2 holmium 170
NT2 holmium 171
NT2 holmium 172
NT2 indium 101
NT2 indium 102
NT2 indium 104
NT2 indium 105
NT2 indium 107
NT2 indium 116
NT2 indium 118
NT2 indium 120
NT2 indium 121
NT2 indium 122
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NT2 indium 124
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NT2 indium 126
NT2 indium 127
NT2 indium 129
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NT2 iodine 112
NT2 iodine 113
NT2 iodine 114
NT2 iodine 116
NT2 iodine 133
NT2 iodine 136
NT2 iodine 137
NT2 iodine 138
NT2 iodine 139
NT2 iridium 170
NT2 iridium 171
NT2 iridium 172
NT2 iridium 173
NT2 iridium 174
NT2 iridium 175
NT2 iridium 176
NT2 iridium 177
NT2 iridium 178
NT2 iridium 191
NT2 iridium 196
NT2 iridium 198
NT2 iron 52
NT2 iron 63
NT2 iron 64
NT2 krypton 72
NT2 krypton 73
NT2 krypton 79
NT2 krypton 81
NT2 krypton 90
NT2 krypton 91
NT2 krypton 92
NT2 krypton 93
NT2 lanthanum 120
NT2 lanthanum 121
NT2 lanthanum 122
NT2 lanthanum 123
NT2 lanthanum 124
NT2 lanthanum 144
NT2 lanthanum 145
NT2 lanthanum 146
NT2 lanthanum 147
NT2 lanthanum 148
NT2 lanthanum 149
NT2 lawrencium 252
NT2 lawrencium 253
NT2 lawrencium 254
NT2 lawrencium 255
NT2 lawrencium 256
NT2 lawrencium 258
NT2 lawrencium 259
NT2 lead 185
NT2 lead 186

NT2 lead 187
NT2 lead 188
NT2 lead 189
NT2 lead 203
NT2 lutetium 154
NT2 lutetium 157
NT2 lutetium 158
NT2 lutetium 159
NT2 lutetium 160
NT2 lutetium 183
NT2 lutetium 184
NT2 magnesium 22
NT2 magnesium 23
NT2 magnesium 29
NT2 manganese 58
NT2 manganese 59
NT2 manganese 60
NT2 mendelevium 247
NT2 mendelevium 248
NT2 mendelevium 249
NT2 mendelevium 250
NT2 mercury 179
NT2 mercury 180
NT2 mercury 181
NT2 mercury 182
NT2 mercury 183
NT2 mercury 184
NT2 mercury 185
NT2 molybdenum 105
NT2 molybdenum 106
NT2 molybdenum 107
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NT2 molybdenum 86
NT2 molybdenum 87
NT2 neodymium 127
NT2 neodymium 129
NT2 neodymium 130
NT2 neodymium 131
NT2 neodymium 137
NT2 neodymium 153
NT2 neodymium 154
NT2 neodymium 155
NT2 neodymium 156
NT2 neon 18
NT2 neon 19
NT2 neon 23
NT2 nickel 67
NT2 nickel 69
NT2 nickel 71
NT2 nickel 72
NT2 nickel 74
NT2 niobium 100
NT2 niobium 101
NT2 niobium 102
NT2 niobium 103
NT2 niobium 104
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NT2 niobium 106
NT2 niobium 83
NT2 niobium 84
NT2 niobium 85
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NT2 niobium 97
NT2 niobium 98
NT2 niobium 99
NT2 nitrogen 16
NT2 nitrogen 17
NT2 nobelium 252
NT2 nobelium 254
NT2 nobelium 256
NT2 nobelium 257
NT2 osmium 168
NT2 osmium 169
NT2 osmium 170
NT2 osmium 171
NT2 osmium 172
NT2 osmium 173
NT2 osmium 174
NT2 osmium 192
NT2 oxygen 19
NT2 oxygen 20
NT2 oxygen 21
NT2 oxygen 22
NT2 palladium 107
NT2 palladium 115
NT2 palladium 116
NT2 palladium 117
NT2 palladium 118
NT2 palladium 93
NT2 palladium 94
NT2 palladium 95
NT2 phosphorus 29
NT2 phosphorus 34
NT2 phosphorus 35
NT2 phosphorus 36
NT2 phosphorus 37
NT2 platinum 175
NT2 platinum 176
NT2 platinum 177
NT2 platinum 178
NT2 platinum 179
NT2 platinum 180
NT2 platinum 181
NT2 platinum 183
NT2 platinum 199
NT2 plutonium 229
NT2 polonium 195
NT2 polonium 196
NT2 polonium 197
NT2 polonium 203
NT2 polonium 207
NT2 polonium 211
NT2 polonium 212
NT2 polonium 217
NT2 potassium 37
NT2 potassium 38
NT2 potassium 47
NT2 potassium 48
NT2 potassium 49
NT2 praseodymium 124
NT2 praseodymium 126
NT2 praseodymium 127
NT2 praseodymium 128
NT2 praseodymium 129
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NT2 praseodymium 150
NT2 praseodymium 151
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NT2 promethium 130
NT2 promethium 131
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NT2 promethium 134
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NT2 promethium 155
NT2 promethium 156
NT2 promethium 157
NT2 promethium 158
NT2 protactinium 225
NT2 radium 207
NT2 radium 208
NT2 radium 209
NT2 radium 210
NT2 radium 211
NT2 radium 212
NT2 radium 214
NT2 radium 221
NT2 radium 222
NT2 radium 233
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NT2 radon 200
NT2 radon 201
NT2 radon 202
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NT2 radon 227
NT2 radon 228
NT2 rhenium 165
NT2 rhenium 166
NT2 rhenium 167
NT2 rhenium 168
NT2 rhenium 169
NT2 rhenium 170
NT2 rhenium 171
NT2 rhenium 172
NT2 rhenium 192
NT2 rhodium 104
NT2 rhodium 105
NT2 rhodium 106
NT2 rhodium 108
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NT2 rhodium 112
NT2 rhodium 113
NT2 rhodium 114
NT2 rhodium 117
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NT2 rhodium 94
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NT2 rubidium 76
NT2 rubidium 80
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NT2 rubidium 93
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NT2 ruthenium 109
NT2 ruthenium 110
NT2 ruthenium 111
NT2 ruthenium 112
NT2 ruthenium 113
NT2 ruthenium 89
NT2 ruthenium 93
NT2 samarium 131
NT2 samarium 133
NT2 samarium 134
NT2 samarium 135
NT2 samarium 136
NT2 samarium 137
NT2 samarium 139
NT2 samarium 159
NT2 samarium 160
NT2 scandium 42
NT2 scandium 46
NT2 scandium 51
NT2 scandium 52
NT2 selenium 69
NT2 selenium 77
NT2 selenium 85
NT2 selenium 86
NT2 selenium 87
NT2 selenium 88
NT2 silicon 26
NT2 silicon 27
NT2 silicon 33
NT2 silicon 34
NT2 silver 101
NT2 silver 103
NT2 silver 107
NT2 silver 109
NT2 silver 110
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NT2 silver 99

NT2 sodium 20
NT2 sodium 21
NT2 sodium 25
NT2 sodium 26
NT2 strontium 76
NT2 strontium 77
NT2 strontium 83
NT2 strontium 95
NT2 strontium 96
NT2 sulfur 30
NT2 sulfur 31
NT2 sulfur 39
NT2 sulfur 40
NT2 tantalum 160
NT2 tantalum 161
NT2 tantalum 162
NT2 tantalum 163
NT2 tantalum 164
NT2 tantalum 165
NT2 tantalum 166
NT2 technetium 100
NT2 technetium 102
NT2 technetium 103
NT2 technetium 106
NT2 technetium 107
NT2 technetium 108
NT2 technetium 109
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NT2 tellurium 109
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NT2 tellurium 111
NT2 tellurium 135
NT2 tellurium 136
NT2 tellurium 137
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NT2 terbium 139
NT2 terbium 140
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NT2 terbium 143
NT2 terbium 144
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NT2 terbium 158
NT2 terbium 166
NT2 thallium 182
NT2 thallium 184
NT2 thallium 185
NT2 thallium 186
NT2 thallium 187
NT2 thallium 195
NT2 thallium 197
NT2 thallium 207
NT2 thorium 215
NT2 thorium 223
NT2 thorium 224
NT2 thulium 151
NT2 thulium 152
NT2 thulium 153
NT2 thulium 154
NT2 thulium 155
NT2 thulium 156
NT2 thulium 162
NT2 tin 102
NT2 tin 103
NT2 tin 105
NT2 tin 128
NT2 tin 131
NT2 tin 132
NT2 tin 133
NT2 tin 134
NT2 titanium 53
NT2 tungsten 160
NT2 tungsten 162
NT2 tungsten 163
NT2 tungsten 164
NT2 tungsten 165
NT2 tungsten 166
NT2 tungsten 167
NT2 tungsten 168
NT2 tungsten 169
NT2 tungsten 183
NT2 vanadium 43
NT2 vanadium 54
NT2 vanadium 55
NT2 xenon 112
NT2 xenon 113
NT2 xenon 114
NT2 xenon 115
NT2 xenon 116
NT2 xenon 125
NT2 xenon 139
NT2 xenon 140
NT2 xenon 141
NT2 xenon 142
NT2 xenon 144
NT2 ytterbium 153
NT2 ytterbium 155
NT2 ytterbium 156
NT2 ytterbium 157
NT2 ytterbium 169
NT2 ytterbium 176
NT2 ytterbium 177
NT2 yttrium 79
NT2 yttrium 80
NT2 yttrium 82
NT2 yttrium 84
NT2 yttrium 89
NT2 yttrium 96
NT2 yttrium 97
NT2 yttrium 98
NT2 yttrium 99
NT2 zinc 73
NT2 zinc 75
NT2 zinc 76
NT2 zinc 77
NT2 zinc 78
NT2 zinc 79
NT2 zirconium 100
NT2 zirconium 101
NT2 zirconium 102
NT2 zirconium 103
NT2 zirconium 83
NT2 zirconium 85
NT2 zirconium 87
NT2 zirconium 98
NT2 zirconium 99

NT1 spontaneous fission radioisotopes

NT2 americium 237
NT2 americium 238
NT2 americium 239
NT2 americium 240
NT2 americium 241
NT2 americium 242
NT2 americium 243
NT2 americium 244
NT2 americium 245
NT2 americium 246
NT2 berkelium 242
NT2 berkelium 243
NT2 berkelium 244
NT2 berkelium 245
NT2 berkelium 249
NT2 californium 246
NT2 californium 248
NT2 californium 249
NT2 californium 250
NT2 californium 252
NT2 californium 254
NT2 californium 256
NT2 curium 240
NT2 curium 241
NT2 curium 242
NT2 curium 243
NT2 curium 244
NT2 curium 245
NT2 curium 246
NT2 curium 248
NT2 curium 250
NT2 einsteinium 253
NT2 einsteinium 254
NT2 einsteinium 255
NT2 element 104 253
NT2 element 104 254
NT2 element 104 255
NT2 element 104 256
NT2 element 104 258
NT2 element 104 259
NT2 element 104 260
NT2 element 104 261
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NT2 element 104 263
NT2 element 105 255
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NT2 element 105 262
NT2 element 105 263
NT2 element 106 259
NT2 element 106 260
NT2 element 106 262
NT2 element 106 263
NT2 element 106 266
NT2 element 107 261
NT2 element 112 283
NT2 fermium 242
NT2 fermium 244
NT2 fermium 246
NT2 fermium 248
NT2 fermium 250
NT2 fermium 252
NT2 fermium 254
NT2 fermium 255
NT2 fermium 256
NT2 fermium 257
NT2 fermium 258
NT2 fermium 259
NT2 mendelevium 259
NT2 neptunium 237
NT2 nobelium 250
NT2 nobelium 252
NT2 nobelium 254
NT2 nobelium 256
NT2 nobelium 258
NT2 plutonium 235
NT2 plutonium 236
NT2 plutonium 237
NT2 plutonium 238
NT2 plutonium 239
NT2 plutonium 240
NT2 plutonium 241
NT2 plutonium 242
NT2 plutonium 243
NT2 plutonium 244
NT2 thorium 230
NT2 thorium 232
NT2 uranium 232
NT2 uranium 233
NT2 uranium 234
NT2 uranium 235
NT2 uranium 236
NT2 uranium 238

NT1 years living radioisotopes

NT2 actinium 227
NT2 aluminium 26
NT2 americium 241
NT2 americium 242
NT2 americium 243
NT2 antimony 125
NT2 argon 39
NT2 argon 42
NT2 barium 133
NT2 berkelium 247

NT2 beryllium 10
NT2 bismuth 207
NT2 bismuth 208
NT2 bismuth 210
NT2 cadmium 109
NT2 cadmium 113
NT2 calcium 41
NT2 californium 249
NT2 californium 250
NT2 californium 251
NT2 californium 252
NT2 carbon 14
NT2 cesium 134
NT2 cesium 135
NT2 cesium 137
NT2 chlorine 36
NT2 cobalt 60
NT2 curium 243
NT2 curium 244
NT2 curium 245
NT2 curium 246
NT2 curium 247
NT2 curium 248
NT2 curium 250
NT2 dysprosium 154
NT2 einsteinium 252
NT2 europium 150
NT2 europium 152
NT2 europium 154
NT2 europium 155
NT2 gadolinium 148
NT2 gadolinium 150
NT2 gadolinium 152
NT2 hafnium 172
NT2 hafnium 174
NT2 hafnium 178
NT2 hafnium 182
NT2 holmium 163
NT2 holmium 166
NT2 indium 115
NT2 iodine 129
NT2 iridium 192
NT2 iron 55
NT2 iron 60
NT2 krypton 81
NT2 krypton 85
NT2 lanthanum 137
NT2 lanthanum 138
NT2 lead 202
NT2 lead 205
NT2 lead 210
NT2 lutetium 173
NT2 lutetium 174
NT2 lutetium 176
NT2 manganese 53
NT2 mercury 194
NT2 molybdenum 93
NT2 neodymium 144
NT2 neptunium 235
NT2 neptunium 236
NT2 neptunium 237
NT2 nickel 59
NT2 nickel 63
NT2 niobium 91
NT2 niobium 92
NT2 niobium 93
NT2 niobium 94
NT2 osmium 186
NT2 osmium 194
NT2 palladium 107
NT2 platinum 190
NT2 platinum 193
NT2 plutonium 236
NT2 plutonium 238
NT2 plutonium 239
NT2 plutonium 240
NT2 plutonium 241
NT2 plutonium 242
NT2 plutonium 244
NT2 polonium 208
NT2 polonium 209
NT2 potassium 40
NT2 promethium 144
NT2 promethium 145
NT2 promethium 146
NT2 promethium 147
NT2 protactinium 231
NT2 radium 226
NT2 radium 228
NT2 rhenium 186
NT2 rhenium 187
NT2 rhodium 101
NT2 rubidium 87
NT2 ruthenium 106
NT2 samarium 146
NT2 samarium 147
NT2 samarium 148
NT2 samarium 151
NT2 selenium 79
NT2 silicon 32
NT2 silver 108
NT2 sodium 22
NT2 strontium 90
NT2 tantalum 179
NT2 technetium 97
NT2 technetium 98
NT2 technetium 99
NT2 tellurium 123
NT2 terbium 157
NT2 terbium 158
NT2 thallium 204
NT2 thorium 228
NT2 thorium 229
NT2 thorium 230
NT2 thorium 232
NT2 thulium 171
NT2 tin 121
NT2 tin 126
NT2 titanium 44
NT2 tritium
NT2 uranium 232
NT2 uranium 233
NT2 uranium 234
NT2 uranium 235
NT2 uranium 236
NT2 uranium 238
NT2 vanadium 50
NT2 zirconium 93
RT biological localization
RT carrier-free isotopes
RT carriers
RT natural occurrence
RT nuclear medicine
RT radiation sources
RT radioactive materials
RT radioactivity
RT radioimmunoassay
RT radioisotope batteries
RT radionuclide administration
RT radionuclide kinetics
RT radionuclide migration
RT radiopharmaceuticals

RADIOLOGICAL PERSONNEL

*BT1 medical personnel
RT biomedical radiography
RT industrial radiography

radiological protection

Use radiation protection

RADIOLOGICAL WARFARE

INIS: Mar 1992; ETDE: Jul 1987
(Employment of agents or weapons to produce casualties by means of ionizing radiations, as distinguished from blast o r thermal effects.)
BT1 warfare
RT enhanced radiation weapons

RADIOLOGY

(For the use of radiant energy in medicine.)
*BT1 nuclear medicine
NT1 biomedical radiography
NT2 fluoroscopy
NT2 ionographic imaging
NT2 osteodensitometry
NT2 renography
NT1 radiotherapy
NT2 afterloading
NT2 brachytherapy
NT2 neutron therapy
NT3 neutron capture therapy
NT2 radioimmunotherapy
RT diagnosis
RT diagnostic techniques

RADIOLUMINESCENCE

*BT1 luminescence
NT1 radiothermoluminescence
RT scintillations

RADIOLYSIS

UF *damage (radiation, chemical)*
UF *degradation (radioinduced)*
UF *radiation damage (chemical)*
UF *radiodecomposition*
*BT1 chemical radiation effects
*BT1 decomposition
NT1 autoradiolysis
RT dissociation
RT g value
RT photolysis
RT radiation chemistry

RADIOMETERS

*BT1 radiation detectors
RT heterodyne receivers
RT pyranometers

RADIOMETRIC ANALYSIS

(Quantitative analysis for a radioactive component with known specific activity, based on measurement of its absolute disintegration rate.)
*BT1 quantitative chemical analysis
RT radiation scattering analysis
RT radioactivity
RT radiochemical analysis

RADIOMETRIC GAGES

UF *beta backscattering gages*
BT1 measuring instruments
NT1 electron-capture detectors
RT densimeters
RT level indicators
RT moisture gages
RT nondestructive testing
RT radiometric sorting
RT sedimentometers
RT thickness gages

RADIOMETRIC SORTING

BT1 sorting
RT ore processing
RT radiometric gages

RADIOMETRIC SURVEYS

INIS: Nov 1978; ETDE: Feb 1978
*BT1 geophysical surveys
RT aerial prospecting
RT exploration
RT gamma spectroscopy
RT radioactivity logging
RT uranium deposits

RADIOMIMETIC DRUGS

BT1 drugs
NT1 neocarcinostatin
RT antimitotic drugs

RT carcinogens
RT dna adducts
RT mutagens

RADIONUCLIDE ADMINISTRATION
RT blood-plasma clearance
RT inhalation
RT injection
RT intake
RT intratracheal administration
RT oral administration
RT radioisotopes
RT radionuclide kinetics

radionuclide concentration
Use radioactivity

radionuclide distributions
Use radionuclide kinetics

RADIONUCLIDE KINETICS
(For radionuclides in living organisms only; see also TRANSLOCATION.)
UF *contamination (internal)*
UF *internal contamination*
UF *radioisotope kinetics*
UF *radionuclide distributions*
UF *radionuclide metabolism*
UF *radionuclide transfer (in organisms)*
UF *radionuclide turnover*
UF *transfer (in organism)*
UF *transfer (radionuclides in organisms)*
UF *transport (in organisms)*
UF *transport (radionuclides in biological systems)*
UF *transport (radionuclides in organisms)*
UF *turnover (radionuclides)*
BT1 kinetics
RT biological half-life
RT biological hot spots
RT biological localization
RT biophysics
RT blood-plasma clearance
RT body burden
RT bone seekers
RT carriers
RT compartments
RT concentration ratio
RT critical organs
RT dose commitments
RT dynamic function studies
RT excretion
RT intake
RT internal irradiation
RT metabolism
RT nonuniform irradiation
RT personnel monitoring
RT radioactivity
RT radioisotopes
RT radionuclide administration
RT retention
RT retention functions
RT tissue distribution
RT tracer techniques
RT unsealed sources
RT uptake
RT whole-body counting

radionuclide metabolism
Use radionuclide kinetics

RADIONUCLIDE MIGRATION
(In environment.)
UF *migration (radionuclide)*
UF *radioisotope migration*
UF *radionuclide transfer (in environment)*
UF *transfer (environmental radionuclides)*
UF *transfer (in environment)*
UF *transport (environmental radionuclides)*
*BT1 environmental transport
RT backfilling
RT biological availability
RT clays
RT diffusion
RT ecosystems
RT environment
RT environmental exposure pathway
RT fallout deposits
RT food chains
RT ground water
RT irrigation
RT natural analogue
RT particle resuspension
RT radioecological concentration
RT radioecology
RT radioisotopes
RT soils
RT tracer techniques
RT transfrontier contamination
RT translocation

radionuclide transfer (in environment)
Use radionuclide migration

radionuclide transfer (in organisms)
Use radionuclide kinetics

radionuclide turnover
Use radionuclide kinetics

radionuclides
Use radioisotopes

radiopasteurization
Use radicidation

RADIOPHARMACEUTICALS
UF *radioisotope-labelled drugs*
SF *radioactive tracers*
BT1 drugs
BT1 labelled compounds
*BT1 radioactive materials
RT biological localization
RT brachytherapy
RT bromosulfophthalein
RT cpb
RT diagnosis
RT dual-isotope subtraction technique
RT dynamic function studies
RT ecat scanning
RT methyl tyrosine
RT mibg
RT microspheres
RT nuclear medicine
RT radiocolloids
RT radioisotopes
RT scintiscanning
RT tracer techniques

radiophotoluminescent dosemeters
Use rpl dosemeters

radiopolymerization
Use chemical radiation effects
AND polymerization

RADIOPRESERVATION
(Prior to August 1985 RADURIZATION was used.)
BT1 irradiation
BT1 preservation
NT1 radurization
RT food
RT food processing
RT storage life

RADIOPROTECTIVE SUBSTANCES
(Prior to August 1996 ROYAL JELLY was a valid ETDE descriptor.)
UF *pentacyn*
UF+ *cytriphos*
UF+ *dose reduction factor*
UF+ *dose relative factor*
UF+ *drf*
UF+ *ethyrone*
UF+ *ethyroneethyl phosphinate*
SF *royal jelly*
SF *tumor necrosis factor*
BT1 drugs
BT1 response modifying factors
NT1 aet
NT1 bal
NT1 cystamine
NT1 cystaphos
NT1 dtpa
NT1 gammaphos
NT1 glutathione
NT1 hydroxytryptophan
NT1 kallikrein
NT1 mea
NT1 meg
NT1 mercaptopropylamine
NT1 mexamine
NT1 mpg
NT1 penicillamine
NT1 serotonin
NT2 bufotenine
RT radiation protection
RT radiosensitivity effects

RADIORECEPTOR ASSAY
INIS: May 1980; ETDE: May 1980
UF *radio-receptor assay*
UF *rra*
BT1 radioassay
*BT1 tracer techniques
RT bioassay
RT cell membranes
RT receptors

radiorelease analysis
Use radio-release analysis

radioresistance
Use radiosensitivity

RADIOSENSITIVITY
UF *radioresistance*
RT biological radiation effects
RT dose-response relationships
RT radiation effects
RT radiobiology
RT radiosensitivity effects
RT radiosensitizers
RT response modifying factors
RT survival curves

RADIOSENSITIVITY EFFECTS
RT radioprotective substances
RT radiosensitivity
RT radiosensitizers

RADIOSENSITIZERS
BT1 drugs
BT1 response modifying factors
NT1 fudr
NT1 metronidazole
NT1 misonidazole
NT1 nem
NT1 triacetoneamine-n-oxyl
RT antimitotic drugs
RT radiosensitivity

RT radiosensitivity effects

RADIOSTERILIZATION

INIS: Jul 1985; ETDE: Feb 1975
(Prior to August 1985 STERILIZATION was used for the radiosterilization of non-food items.)
BT1 irradiation
BT1 sterilization
NT1 radappertization
RT isomed
RT radiodisinfestation
RT sterile insect release
RT sterile male technique

radiosterilization (food)

Use radappertization

radiosurgery

Use radiotherapy
AND surgery

RADIOTHERAPY

UF *contact radiotherapy*
UF *high energy radiotherapy*
UF *plesiotherapy*
UF *supervoltage radiotherapy*
UF *teletherapy*
UF+ *radiosurgery*
*BT1 radiology
*BT1 therapy
NT1 afterloading
NT1 brachytherapy
NT1 neutron therapy
NT2 neutron capture therapy
NT1 radioimmunotherapy
RT anticonvulsants
RT collimators
RT combined therapy
RT cumulative radiation effects
RT depth dose distributions
RT fractionated irradiation
RT irradiation
RT isodose curves
RT pbi
RT phantoms
RT radiation source implants

RADIOTHERMOLUMINESCENCE

INIS: Dec 1980; ETDE: Jan 1981
*BT1 radioluminescence
*BT1 thermoluminescence

radiothorium

Use thorium 228

RADIOTOXINS

RT abscopal radiation effects
RT toxins

RADIOWAVE RADIATION

UF+ *decimeter wave radiation (1-3 dm)*
UF+ *decimeter wave radiation (3-10dm)*
UF+ *meter wave radiation*
UF+ *shf radiation*
UF+ *super high frequency radiation*
UF+ *uhf radiation (01-100 ghz)*
UF+ *uhf radiation (100-1000 mhz)*
UF+ *uhf radiation (lower range)*
UF+ *uhf radiation (upper range)*
UF+ *ultrahigh frequency radiation (01-100 ghz)*
UF+ *ultrahigh frequency radiation (100-1000 mhz)*
UF+ *ultrahigh frequency radiation (lower range)*
UF+ *ultrahigh frequency radiation (upper range)*
UF+ *very high frequency radiation*
UF+ *vhf radiation*
*BT1 electromagnetic radiation
NT1 long wave radiation
NT1 medium wave radiation
NT1 radio noise
NT2 atmospherics
NT2 whistlers
NT1 radioecho
NT1 short wave radiation
NT1 solar radio bursts
NT1 solar radiowave radiation
RT cosmic radio sources
RT critical frequency
RT polar-cap absorption
RT radar
RT radio equipment
RT rf systems
RT signal distortion

RADISHES

*BT1 magnoliopsida
*BT1 vegetables
RT brassica

RADIUM

*BT1 alkaline earth metals
RT natural radioactivity

RADIUM 205

INIS: Apr 1988; ETDE: May 1988
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 radium isotopes

RADIUM 206

*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 radium isotopes

RADIUM 207

*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 radium isotopes
*BT1 seconds living radioisotopes

RADIUM 208

*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 radium isotopes
*BT1 seconds living radioisotopes

RADIUM 209

*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 radium isotopes
*BT1 seconds living radioisotopes

RADIUM 210

*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 radium isotopes
*BT1 seconds living radioisotopes

RADIUM 211

*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 radium isotopes
*BT1 seconds living radioisotopes

RADIUM 212

*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 radium isotopes
*BT1 seconds living radioisotopes

RADIUM 213

*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 minutes living radioisotopes
*BT1 radium isotopes

RADIUM 214

*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 radium isotopes
*BT1 seconds living radioisotopes

RADIUM 215

*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 radium isotopes

RADIUM 216

*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 nanoseconds living radioisotopes
*BT1 radium isotopes

RADIUM 217

*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 microseconds living radioisotopes
*BT1 radium isotopes

RADIUM 218

*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 microseconds living radioisotopes
*BT1 radium isotopes

RADIUM 219

*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 radium isotopes

RADIUM 220

*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 radium isotopes

RADIUM 221

*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 radium isotopes
*BT1 seconds living radioisotopes

RADIUM 222

*BT1 alpha decay radioisotopes
*BT1 carbon 14 decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 radium isotopes
*BT1 seconds living radioisotopes

RADIUM 223

UF *actinium x*
*BT1 alpha decay radioisotopes

*BT1 carbon 14 decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 radium isotopes

RADIUM 224
UF *thorium x*
*BT1 alpha decay radioisotopes
*BT1 carbon 14 decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 radium isotopes

RADIUM 225
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 radium isotopes

RADIUM 226
*BT1 alpha decay radioisotopes
*BT1 carbon 14 decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 radium isotopes
*BT1 years living radioisotopes

RADIUM 226 TARGET
BT1 targets

RADIUM 227
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 radium isotopes

RADIUM 228
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 radium isotopes
*BT1 years living radioisotopes

RADIUM 229
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 radium isotopes

RADIUM 230
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 radium isotopes

RADIUM 231
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 radium isotopes

RADIUM 232
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 radium isotopes

RADIUM 233
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 radium isotopes
*BT1 seconds living radioisotopes

RADIUM 234
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 radium isotopes
*BT1 seconds living radioisotopes

radium a
Use polonium 218

radium additions
Use alloys

radium b
Use lead 214

RADIUM BROMIDES
*BT1 bromides
*BT1 radium compounds

radium c
Use bismuth 214

radium c/
Use polonium 214

radium c//
Use thallium 210

radium carbonates
Use carbonates
AND radium compounds

RADIUM CHLORIDES
*BT1 chlorides
*BT1 radium compounds

RADIUM COMPLEXES
*BT1 alkaline earth metal complexes

RADIUM COMPOUNDS
UF+ *radium carbonates*
UF+ *radium fluorides*
UF+ *radium silicates*
BT1 alkaline earth metal compounds
NT1 radium bromides
NT1 radium chlorides
NT1 radium nitrates
NT1 radium nitrides
NT1 radium oxides
NT1 radium sulfates

radium d
Use lead 210

radium e
Use bismuth 210

radium e//
Use thallium 206

radium f
Use polonium 210

radium fluorides
Use fluorides
AND radium compounds

radium g
Use lead 206

RADIUM IONS
*BT1 ions

RADIUM ISOTOPES
*BT1 alkaline earth isotopes
NT1 radium 205
NT1 radium 206
NT1 radium 207
NT1 radium 208
NT1 radium 209
NT1 radium 210
NT1 radium 211
NT1 radium 212
NT1 radium 213
NT1 radium 214
NT1 radium 215
NT1 radium 216
NT1 radium 217
NT1 radium 218
NT1 radium 219
NT1 radium 220
NT1 radium 221
NT1 radium 222
NT1 radium 223
NT1 radium 224
NT1 radium 225
NT1 radium 226
NT1 radium 227
NT1 radium 228
NT1 radium 229
NT1 radium 230
NT1 radium 231
NT1 radium 232
NT1 radium 233
NT1 radium 234
RT bone seekers

RADIUM NITRATES
INIS: Apr 2000; ETDE: Mar 1976
*BT1 nitrates
*BT1 radium compounds

RADIUM NITRIDES
INIS: Apr 2000; ETDE: Aug 1994
*BT1 nitrides
*BT1 radium compounds

RADIUM OXIDES
INIS: Apr 2000; ETDE: Mar 1976
*BT1 oxides
*BT1 radium compounds

radium silicates
Use radium compounds
AND silicates

RADIUM SULFATES
*BT1 radium compounds
*BT1 sulfates

RADON
*BT1 rare gases
RT natural radioactivity

RADON 196
INIS: Sep 1992; ETDE: Dec 1978
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 radon isotopes

RADON 197
INIS: Oct 1995; ETDE: Sep 1995
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 radon isotopes

RADON 199
INIS: Nov 1980; ETDE: Sep 1978
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 radon isotopes

RADON 200
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei

*BT1 heavy nuclei
*BT1 radon isotopes
*BT1 seconds living radioisotopes

RADON 201
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 radon isotopes
*BT1 seconds living radioisotopes

RADON 202
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 radon isotopes
*BT1 seconds living radioisotopes

RADON 203
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 radon isotopes
*BT1 seconds living radioisotopes

RADON 204
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 radon isotopes

RADON 205
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 radon isotopes

RADON 206
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 radon isotopes

RADON 207
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 radon isotopes

RADON 208
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 radon isotopes

RADON 209
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 radon isotopes

RADON 210
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 nanoseconds living radioisotopes
*BT1 radon isotopes

RADON 211
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 nanoseconds living radioisotopes
*BT1 radon isotopes

RADON 212
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 radon isotopes

RADON 213
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 radon isotopes

RADON 214
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 nanoseconds living radioisotopes
*BT1 radon isotopes

RADON 215
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 microseconds living radioisotopes
*BT1 radon isotopes

RADON 216
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 microseconds living radioisotopes
*BT1 radon isotopes

RADON 217
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 microseconds living radioisotopes
*BT1 radon isotopes

RADON 218
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 radon isotopes

RADON 219
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 radon isotopes
*BT1 seconds living radioisotopes

RADON 220
UF *thoron*
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 radon isotopes
*BT1 seconds living radioisotopes

RADON 221
*BT1 alpha decay radioisotopes
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 radon isotopes

RADON 222
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 radon isotopes

RADON 223
INIS: Sep 1983; ETDE: Sep 1983
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 radon isotopes

RADON 224
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 radon isotopes

RADON 225
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 radon isotopes

RADON 226
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 radon isotopes

RADON 227
INIS: Jan 1987; ETDE: Feb 1987
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 radon isotopes
*BT1 seconds living radioisotopes

RADON 228
INIS: Jul 1989; ETDE: Aug 1989
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 radon isotopes
*BT1 seconds living radioisotopes

RADON COMPOUNDS
BT1 rare gas compounds
NT1 radon fluorides
NT1 radon oxides

RADON FLUORIDES
*BT1 fluorides
*BT1 radon compounds

RADON IONS
*BT1 ions

RADON ISOTOPES
BT1 isotopes
NT1 radon 196
NT1 radon 197
NT1 radon 199
NT1 radon 200
NT1 radon 201

NT1 radon 202
NT1 radon 203
NT1 radon 204
NT1 radon 205
NT1 radon 206
NT1 radon 207
NT1 radon 208
NT1 radon 209
NT1 radon 210
NT1 radon 211
NT1 radon 212
NT1 radon 213
NT1 radon 214
NT1 radon 215
NT1 radon 216
NT1 radon 217
NT1 radon 218
NT1 radon 219
NT1 radon 220
NT1 radon 221
NT1 radon 222
NT1 radon 223
NT1 radon 224
NT1 radon 225
NT1 radon 226
NT1 radon 227
NT1 radon 228

radon monitors
Use emanometers

RADON OXIDES
*BT1 oxides
*BT1 radon compounds

RADURIZATION
(Use of irradiation to prolong shelf-life of food.)
UF *food irradiation (radiopreservation)*
*BT1 food processing
*BT1 radiopreservation
RT food
RT ifip

RAFFINOSE
*BT1 oligosaccharides

RAFT RIVER VALLEY
INIS: Apr 2000; ETDE: May 1976
BT1 valleys
RT idaho

rahyd process
Use reprocessing

RAIL TRANSPORT
INIS: Dec 1976; ETDE: Jun 1976
*BT1 land transport
RT monorails
RT railroad cars
RT railways
RT routing
RT vehicles

RAILGUN ACCELERATORS
INIS: Sep 1981; ETDE: Jan 1980
(Type of macroparticle accelerator to be used in inertial confinement fusion.)
BT1 accelerators
RT impact fusion
RT impact fusion drivers

RAILROAD CARS
INIS: Mar 1981; ETDE: Aug 1978
BT1 vehicles
RT locomotives
RT rail transport
RT railways
RT trains

RAILWAYS
INIS: Mar 1993; ETDE: Apr 1975
NT1 electric railways
NT1 monorails
RT levitated trains
RT locomotives
RT rail transport
RT railroad cars
RT rapid transit systems
RT trains

RAIN
BT1 atmospheric precipitations
NT1 acid rain
RT droplets
RT landslides
RT monsoons
RT natural disasters
RT rain water
RT snow
RT storms
RT washout

RAIN WATER
*BT1 water
NT1 throughfall
RT atmospheric precipitations
RT interception
RT rain
RT runoff

rainout
Use washout

RAJASTHAN-1 REACTOR
(Kota, Rajasthan, India)
UF *raps-1 reactor*
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

RAJASTHAN-2 REACTOR
(Kota, Rajasthan, India)
UF *raps-2 reactor*
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

RAJASTHAN-3 REACTOR
INIS: Feb 1993; ETDE: Mar 1993
(Kota, Rajasthan, India)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

RAJASTHAN-4 REACTOR
INIS: Feb 1993; ETDE: Mar 1993
(Kota, Rajasthan, India)
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

RAKE-2 REACTOR
(Central Institute for Nuclear Research Rossendorf, Dresden, Federal Republic of Germany.)
UF *rossendorf assembly for critical experiments*
*BT1 research reactors
*BT1 tank type reactors
*BT1 water moderated reactors
*BT1 zero power reactors

raleigh-ncsc research reactor-1
Use ncscr-1 reactor

raleigh pulstar reactor
Use pulstar-raleigh reactor

RAMAN EFFECT
RT raman spectra
RT raman spectroscopy
RT scattering
RT spectra
RT ultraviolet radiation
RT visible radiation

RAMAN SPECTRA
INIS: Feb 1976; ETDE: Oct 1975
BT1 spectra
RT laser spectroscopy
RT raman effect
RT raman spectroscopy

RAMAN SPECTROSCOPY
INIS: Apr 1986; ETDE: Mar 1983
(Prior to March 1983 this concept was indexed to RAMAN SPECTRA in ETDE.)
UF *cars (spectroscopy)*
UF *coherent anti-stokes raman spectroscopy*
*BT1 laser spectroscopy
RT quantitative chemical analysis
RT raman effect
RT raman spectra

RAMJET ENGINES
*BT1 internal combustion engines

RAMSAUER EFFECT
UF *ramsauer-townsend effect*
RT elastic scattering

ramsauer-townsend effect
Use ramsauer effect

rana
Use frogs

RANA REACTOR
(National Nuclear Energy Committee, Rome, Italy)
UF *casaccia rana reactor*
UF *ispra-2 rana reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors

RANCE POWER PLANT
INIS: Aug 1992; ETDE: Jul 1975
*BT1 tidal power plants

RANCHO SECO-1 REACTOR
(Sacramento, California, USA)
UF *sacramento rancho seco-1 reactor*
*BT1 pwr type reactors

RANCHO SECO-2 REACTOR
(Sacramento, California, USA)
UF *sacramento rancho seco-2 reactor*
*BT1 power reactors

random number generators
See computer codes
OR randomness

RANDOM PHASE APPROXIMATION
RT boson expansion
RT ericson theory
RT statistics

RANDOMNESS
(From March 1983 till March 1997 RANDOMNESS was a valid ETDE descriptor.)
SF *random number generators*
RT attractors
RT ergodic divertors
RT monte carlo method

RANGE
(The range of particles and radiations in matter; not for the concepts covered by ENERGY RANGE or INTERACTION RANGE.)
RT absorption
RT depth dose distributions
RT distance
RT energy losses
RT stopping power

RANGE FINDERS
INIS: Mar 1976; ETDE: Nov 1975
BT1 measuring instruments
NT1 radar
NT2 acoustic radar
NT2 optical radar
NT1 sonar

RANGELANDS
INIS: Aug 1992; ETDE: Sep 1978
(Lands providing forage for domestic and wild animals, wildlife cover, recreation opportunities and vegetation for watershed protection.)
UF *grasslands*
*BT1 terrestrial ecosystems
RT domestic animals
RT grazing
RT management
RT pastures
RT plants
RT resource assessment
RT wild animals

RANGER DEPOSIT
INIS: Mar 1977; ETDE: Jun 1977
*BT1 uranium deposits
RT northern territory
RT uranium ores

RANGER PROJECT
INIS: Apr 2000; ETDE: May 1987
*BT1 atmospheric explosions
*BT1 nuclear explosions

RANKINE CYCLE
(An ideal thermodynamic cycle consisting of heat addition at constant pressure, isentropic expansion, heat rejection at constant pressure, and isentropic compression; used as an ideal standard for the performance of heat-engine and heat-pump installations operating with a condensable vapor as the working fluid, such as a steam power plant. also known as steam cycle.)
BT1 thermodynamic cycles
RT rankine cycle power systems
RT thermodynamics

RANKINE CYCLE ENGINES
INIS: Oct 1992; ETDE: May 1975
*BT1 heat engines
RT automobiles
RT rankine cycle power systems
RT steam
RT vapor generators

RANKINE CYCLE POWER SYSTEMS
INIS: Mar 1992; ETDE: Feb 1975
*BT1 power systems
RT rankine cycle
RT rankine cycle engines

RANKINE-HUGONIOT EQUATIONS
BT1 equations
RT shock waves

RANQUILITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 silicate minerals
*BT1 uranium minerals
RT calcium silicates
RT uranium silicates

RANSTAD DEPOSIT
INIS: Dec 1980; ETDE: Jan 1981
*BT1 uranium deposits
RT sweden
RT uranium ores

RANUNCULACEAE
UF *buttercups*
UF *caraway*
UF *crowfoot*
UF *delphinium*
UF *nigella*
*BT1 magnoliopsida

rapeseed
Use brassica

RAPID TRANSIT SYSTEMS
INIS: Apr 2000; ETDE: Nov 1975
BT1 transportation systems
RT electric railways
RT mass transit systems
RT railways
RT trains
RT transport

rapidity
Use particle rapidity

raps-1 reactor
Use rajasthan-1 reactor

raps-2 reactor
Use rajasthan-2 reactor

RAPSODIE REACTOR
(CEA/CEN Cadarache, st. Paul Lez Durance, France)
UF *cadarache rapsodie reactor*
UF *fortissimo reactor*
*BT1 enriched uranium reactors
*BT1 lmfbr type reactors
*BT1 plutonium reactors
*BT1 sodium cooled reactors
*BT1 test reactors

RARE EARTH ADDITIONS
*BT1 rare earth alloys
NT1 cerium additions
NT1 dysprosium additions
NT1 erbium additions
NT1 europium additions
NT1 gadolinium additions
NT1 holmium additions
NT1 lanthanum additions
NT2 alloy-co36cr22ni22w15fe3
NT3 haynes 188 alloy
NT1 lutetium additions
NT1 neodymium additions
NT1 praseodymium additions
NT1 promethium additions
NT1 samarium additions
NT1 terbium additions
NT1 thulium additions
NT1 ytterbium additions

RARE EARTH ALLOYS
(Prior to March 1997 PROMETHIUM ALLOYS was a valid ETDE descriptor.)
UF *promethium alloys*
BT1 alloys
NT1 cerium alloys
NT2 cerium additions
NT2 cerium base alloys
NT3 misch metal
NT1 dysprosium alloys
NT2 dysprosium additions
NT2 dysprosium base alloys
NT1 erbium alloys
NT2 erbium additions
NT2 erbium base alloys
NT1 europium alloys
NT2 europium additions
NT2 europium base alloys
NT1 gadolinium alloys
NT2 gadolinium additions
NT2 gadolinium base alloys
NT1 holmium alloys
NT2 holmium additions
NT2 holmium base alloys
NT1 lanthanum alloys
NT2 lanthanum additions
NT3 alloy-co36cr22ni22w15fe3
NT4 haynes 188 alloy
NT2 lanthanum base alloys
NT2 misch metal
NT1 lutetium alloys
NT2 lutetium additions
NT2 lutetium base alloys
NT1 magnesium alloy-ek
NT1 magnesium alloy-ez
NT1 neodymium alloys
NT2 neodymium additions
NT2 neodymium base alloys
NT1 praseodymium alloys
NT2 praseodymium base alloys
NT1 rare earth additions
NT2 cerium additions
NT2 dysprosium additions
NT2 erbium additions
NT2 europium additions
NT2 gadolinium additions
NT2 holmium additions
NT2 lanthanum additions
NT3 alloy-co36cr22ni22w15fe3
NT4 haynes 188 alloy
NT2 lutetium additions
NT2 neodymium additions
NT2 praseodymium additions
NT2 promethium additions
NT2 samarium additions
NT2 terbium additions
NT2 thulium additions
NT2 ytterbium additions
NT1 samarium alloys
NT2 samarium additions
NT2 samarium base alloys
NT1 terbium alloys
NT2 terbium additions
NT2 terbium base alloys
NT1 thulium alloys
NT2 thulium additions
NT2 thulium base alloys
NT1 ytterbium alloys
NT2 ytterbium base alloys
RT actinide alloys

RARE EARTH COMPLEXES
BT1 complexes
NT1 cerium complexes
NT1 dysprosium complexes
NT1 erbium complexes
NT1 europium complexes
NT1 gadolinium complexes
NT1 holmium complexes
NT1 lanthanum complexes
NT1 lutetium complexes
NT1 neodymium complexes
NT1 praseodymium complexes
NT1 promethium complexes
NT1 samarium complexes
NT1 terbium complexes
NT1 thulium complexes

NT1 ytterbium complexes

RARE EARTH COMPOUNDS

SF *gadolinite*
NT1 cerium compounds
NT2 cerium arsenides
NT2 cerium borides
NT2 cerium bromides
NT2 cerium carbides
NT2 cerium carbonates
NT2 cerium chlorides
NT2 cerium fluorides
NT2 cerium hydrides
NT2 cerium hydroxides
NT2 cerium iodides
NT2 cerium nitrates
NT2 cerium nitrides
NT2 cerium oxides
NT2 cerium perchlorates
NT2 cerium phosphates
NT2 cerium phosphides
NT2 cerium selenides
NT2 cerium silicates
NT2 cerium silicides
NT2 cerium sulfates
NT2 cerium sulfides
NT2 cerium tellurides
NT2 cerium tungstates
NT1 dysprosium compounds
NT2 dysprosium borides
NT2 dysprosium bromides
NT2 dysprosium carbides
NT2 dysprosium chlorides
NT2 dysprosium fluorides
NT2 dysprosium hydrides
NT2 dysprosium hydroxides
NT2 dysprosium iodides
NT2 dysprosium nitrates
NT2 dysprosium nitrides
NT2 dysprosium oxides
NT2 dysprosium phosphates
NT2 dysprosium phosphides
NT2 dysprosium selenides
NT2 dysprosium silicates
NT2 dysprosium silicides
NT2 dysprosium sulfates
NT2 dysprosium sulfides
NT2 dysprosium tellurides
NT2 dysprosium tungstates
NT1 erbium compounds
NT2 erbium borides
NT2 erbium bromides
NT2 erbium carbides
NT2 erbium carbonates
NT2 erbium chlorides
NT2 erbium fluorides
NT2 erbium hydrides
NT2 erbium hydroxides
NT2 erbium iodides
NT2 erbium nitrates
NT2 erbium nitrides
NT2 erbium oxides
NT2 erbium perchlorates
NT2 erbium phosphates
NT2 erbium phosphides
NT2 erbium selenides
NT2 erbium silicides
NT2 erbium sulfates
NT2 erbium sulfides
NT2 erbium tellurides
NT2 erbium tungstates
NT1 europium compounds
NT2 europium arsenides
NT2 europium borides
NT2 europium bromides
NT2 europium carbides
NT2 europium carbonates
NT2 europium chlorides
NT2 europium fluorides
NT2 europium hydrides
NT2 europium hydroxides
NT2 europium iodides
NT2 europium nitrates
NT2 europium nitrides
NT2 europium oxides
NT2 europium perchlorates
NT2 europium phosphates
NT2 europium phosphides
NT2 europium selenides
NT2 europium silicates
NT2 europium silicides
NT2 europium sulfates
NT2 europium sulfides
NT2 europium tellurides
NT1 gadolinium compounds
NT2 gadolinium arsenides
NT2 gadolinium borides
NT2 gadolinium bromides
NT2 gadolinium carbides
NT2 gadolinium carbonates
NT2 gadolinium chlorides
NT2 gadolinium fluorides
NT2 gadolinium hydrides
NT2 gadolinium hydroxides
NT2 gadolinium iodides
NT2 gadolinium nitrates
NT2 gadolinium nitrides
NT2 gadolinium oxides
NT2 gadolinium perchlorates
NT2 gadolinium phosphates
NT2 gadolinium phosphides
NT2 gadolinium selenides
NT2 gadolinium silicides
NT2 gadolinium sulfates
NT2 gadolinium sulfides
NT2 gadolinium tellurides
NT2 gadolinium tungstates
NT1 holmium compounds
NT2 holmium borides
NT2 holmium bromides
NT2 holmium carbides
NT2 holmium carbonates
NT2 holmium chlorides
NT2 holmium fluorides
NT2 holmium hydrides
NT2 holmium hydroxides
NT2 holmium iodides
NT2 holmium nitrates
NT2 holmium nitrides
NT2 holmium oxides
NT2 holmium perchlorates
NT2 holmium phosphates
NT2 holmium phosphides
NT2 holmium selenides
NT2 holmium silicates
NT2 holmium silicides
NT2 holmium sulfates
NT2 holmium sulfides
NT2 holmium tellurides
NT1 lanthanum compounds
NT2 lanthanum borides
NT2 lanthanum bromides
NT2 lanthanum carbides
NT2 lanthanum carbonates
NT2 lanthanum chlorides
NT2 lanthanum fluorides
NT2 lanthanum hydrides
NT2 lanthanum hydroxides
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NT2 lanthanum nitrates
NT2 lanthanum nitrides
NT2 lanthanum oxides
NT2 lanthanum perchlorates
NT2 lanthanum phosphates
NT2 lanthanum phosphides
NT2 lanthanum selenides
NT2 lanthanum silicates
NT2 lanthanum silicides
NT2 lanthanum sulfates
NT2 lanthanum sulfides
NT2 lanthanum tellurides
NT2 lanthanum tungstates
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NT1 lutetium compounds
NT2 lutetium borides
NT2 lutetium bromides
NT2 lutetium carbides
NT2 lutetium carbonates
NT2 lutetium chlorides
NT2 lutetium fluorides
NT2 lutetium hydrides
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NT2 lutetium oxides
NT2 lutetium phosphates
NT2 lutetium silicates
NT2 lutetium silicides
NT2 lutetium sulfates
NT2 lutetium sulfides
NT2 lutetium tungstates
NT1 neodymium compounds
NT2 neodymium borides
NT2 neodymium bromides
NT2 neodymium carbides
NT2 neodymium carbonates
NT2 neodymium chlorides
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NT2 neodymium silicides
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NT2 neodymium sulfides
NT2 neodymium tellurides
NT2 neodymium tungstates
NT1 praseodymium compounds
NT2 praseodymium arsenides
NT2 praseodymium borides
NT2 praseodymium bromides
NT2 praseodymium carbides
NT2 praseodymium carbonates
NT2 praseodymium chlorides
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NT2 praseodymium oxides
NT2 praseodymium perchlorates
NT2 praseodymium phosphates
NT2 praseodymium phosphides
NT2 praseodymium selenides
NT2 praseodymium silicates
NT2 praseodymium silicides
NT2 praseodymium sulfates
NT2 praseodymium sulfides
NT2 praseodymium tellurides
NT2 praseodymium tungstates
NT1 promethium compounds
NT2 promethium chlorides
NT2 promethium fluorides
NT2 promethium hydroxides
NT2 promethium nitrates
NT2 promethium oxides
NT1 samarium compounds
NT2 samarium arsenides
NT2 samarium borides
NT2 samarium bromides
NT2 samarium carbides

NT2 samarium carbonates
NT2 samarium chlorides
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NT1 terbium compounds
NT2 terbium borides
NT2 terbium bromides
NT2 terbium carbides
NT2 terbium carbonates
NT2 terbium chlorides
NT2 terbium fluorides
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NT1 thulium compounds
NT2 thulium borides
NT2 thulium bromides
NT2 thulium carbides
NT2 thulium chlorides
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NT2 thulium selenides
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NT2 thulium silicides
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NT2 thulium sulfides
NT2 thulium tellurides
NT1 ytterbium compounds
NT2 ytterbium borides
NT2 ytterbium bromides
NT2 ytterbium carbides
NT2 ytterbium carbonates
NT2 ytterbium chlorides
NT2 ytterbium fluorides
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NT2 ytterbium nitrides
NT2 ytterbium oxides
NT2 ytterbium perchlorates
NT2 ytterbium phosphates
NT2 ytterbium phosphides
NT2 ytterbium selenides
NT2 ytterbium silicates
NT2 ytterbium silicides
NT2 ytterbium sulfates
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NT2 ytterbium tellurides
NT2 ytterbium tungstates

rare earth elements

Use rare earths

rare earth isotopes

Use rare earth nuclei

RARE EARTH NUCLEI

UF *rare earth isotopes*
*BT1 intermediate mass nuclei
NT1 cerium 121
NT1 cerium 123
NT1 cerium 124
NT1 cerium 125
NT1 cerium 126
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NT1 samarium 131
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NT1 ytterbium 153
NT1 ytterbium 154
NT1 ytterbium 155
NT1 ytterbium 156
NT1 ytterbium 157
NT1 ytterbium 158
NT1 ytterbium 159
NT1 ytterbium 160
NT1 ytterbium 161
NT1 ytterbium 162
NT1 ytterbium 163
NT1 ytterbium 164
NT1 ytterbium 165
NT1 ytterbium 166
NT1 ytterbium 167
NT1 ytterbium 168
NT1 ytterbium 169
NT1 ytterbium 170
NT1 ytterbium 171
NT1 ytterbium 172
NT1 ytterbium 173
NT1 ytterbium 174
NT1 ytterbium 175
NT1 ytterbium 176
NT1 ytterbium 177
NT1 ytterbium 178
NT1 ytterbium 179
NT1 ytterbium 180

RARE EARTHS
UF *lanthanides*
UF *rare earth elements*
*BT1 metals
NT1 cerium
NT2 cerium-alpha
NT2 cerium-beta
NT2 cerium-gamma
NT1 dysprosium
NT1 erbium
NT1 europium
NT1 gadolinium
NT1 holmium
NT1 lanthanum
NT1 lutetium
NT1 neodymium
NT1 praseodymium
NT1 promethium
NT1 samarium
NT1 terbium
NT1 thulium
NT1 ytterbium
RT thucholite

RARE GAS COMPOUNDS
NT1 argon compounds
NT2 argon chlorides
NT2 argon fluorides
NT2 argon hydrides
NT2 argon iodides
NT2 argon nitrides
NT2 argon oxides
NT1 helium compounds
NT2 helium chlorides
NT2 helium hydrides
NT2 helium tritides
NT1 krypton compounds
NT2 krypton bromides
NT2 krypton chlorides
NT2 krypton fluorides
NT2 krypton hydrides
NT2 krypton oxides
NT1 neon compounds
NT2 neon chlorides
NT2 neon fluorides
NT2 neon hydrides
NT2 neon iodides
NT1 radon compounds
NT2 radon fluorides
NT2 radon oxides
NT1 xenon compounds
NT2 xenon bromides
NT2 xenon chlorides
NT2 xenon fluorides
NT2 xenon iodides
NT2 xenon oxides

RARE GASES
UF *noble gases*
*BT1 gases
*BT1 nonmetals
NT1 argon
NT1 helium
NT1 krypton
NT1 neon
NT1 radon
NT1 xenon
RT clathrates
RT emanation method
RT emanation thermal analysis
RT gas scintillation detectors
RT inert atmosphere

RAREFIED GASES
*BT1 gases

RARITA-SCHWINGER THEORY
RT quantum mechanics
RT wave equations

RAROTONGA TREATY
INIS: Jan 1992; ETDE: Feb 1992
BT1 treaties
RT arms control
RT international agreements
RT nuclear weapons

ras al khaima
Use united arab emirates

raschig rings
Use column packing

RASPBERRIES
INIS: Jun 1976; ETDE: Aug 1976
*BT1 berries
RT rosaceae

rat kangaroos
Use marsupials

RATCHETING
INIS: Aug 1984; ETDE: Jul 1976
(Progressive distortion resulting from or enhanced by cyclic loading.)
BT1 deformation
RT creep
RT dynamic loads
RT mechanical structures
RT strains
RT stresses

rate structure
Use prices

ratemeters (counting)
Use counting ratemeters

ratemeters (dose)
Use dose ratemeters

ratemeters (exposure)
Use exposure ratemeters

rational surfaces
Use mode rational surfaces

rationing
Use allocations

RATS
*BT1 rodents

RAUVITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 uranium minerals
RT calcium oxides
RT uranium oxides
RT vanadium oxides

RAW MATERIALS
INIS: Mar 1992; ETDE: Jun 1978
(Materials available, suitable, or required for manufacture, development, training, or some other finishing process, but not yet so used.)
BT1 materials
NT1 chemical feedstocks
RT resources

rawalpindi research reactor
Use parr reactor

rayleigh-ritz method
Use ritz method

RAYLEIGH SCATTERING
*BT1 coherent scattering

RAYLEIGH-SCHROEDINGER FORMULA
RT perturbation theory

RAYLEIGH-TAYLOR INSTABILITY
BT1 instability
RT fluid flow

RT hydrodynamics
RT plasma macroinstabilities

RAYLEIGH WAVES
RT earthquakes
RT lattice vibrations
RT seismic detection
RT seismic surface waves
RT seismic waves
RT underground explosions

RAYON
*BT1 polysaccharides
RT cellulose
RT fibers
RT textiles

RAZDAN COMPUTERS
BT1 computers

RB-1 REACTOR
(Montecuccolino Nuclear Engineering Lab., Univ. of Bologna, Bologna, Italy)
UF *montecuccolino rb-1 reactor*
UF *reattore bologna-1*
*BT1 enriched uranium reactors
*BT1 graphite moderated reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 zero power reactors

RB-2 REACTOR
UF *montecuccolino rb-2 reactor*
UF *reattore bologna-2*
*BT1 argonaut type reactors
*BT1 thermal reactors

RB-3 REACTOR
UF *montecuccolino rb-3 reactor*
UF *reattore bologna-3*
*BT1 heavy water moderated reactors
*BT1 tank type reactors
*BT1 zero power reactors

RBE
UF *relative biological effectiveness*
RT biological radiation effects
RT let
RT oxygen enhancement ratio
RT quality factor
RT radiation effects
RT radiation quality

rbmk-1000 reactor
Use leningrad-1 reactor

rbmk-1500 reactor
Use ignalina-1 reactor

rbmk type reactors
Use lwgr type reactors

rbs
Use rutherford backscattering spectroscopy

rc-1 reactor
Use triga-2-rome reactor

rc-4 reactor casaccia
Use ritmo reactor

RCIC SYSTEMS
INIS: Apr 1993; ETDE: Jan 1975
UF *reactor core isolation cooling*
*BT1 reactor cooling systems

RCN
(Reactor Centrum Nederland; name changed on 1 August 1976 to Energieonderzoek Centrum Nederland, and documents written after that date should be indexed to ECN.)
UF *reactor centrum nederland (petten)*
*BT1 ecn

RCNP CYCLOTRON
INIS: Jun 1983; ETDE: Mar 1983
(Research Center for Nuclear Physics, Osaka University.)
UF *research center nuclear physics cyclotron*
*BT1 heavy ion accelerators
*BT1 isochronous cyclotrons

rdf
Use refuse derived fuels

re-entry
Use reentry

REACTION HEAT
UF *heat of reaction*
*BT1 enthalpy
NT1 combustion heat
NT1 dissociation heat
NT1 formation heat
RT thermochemical heat storage
RT wetting heat

REACTION INTERMEDIATES
INIS: Mar 1983; ETDE: Oct 1978
SF *intermediates (reaction)*
SF *transient species*
RT carbenes
RT carbynes
RT chemical reaction kinetics
RT chemical reactions
RT photochemistry
RT radiation chemistry
RT radicals

REACTION KINETICS
UF *reaction mechanisms*
UF *reaction rate*
UF+ *activity coefficient*
BT1 kinetics
NT1 biochemical reaction kinetics
NT2 cpb
NT1 chemical reaction kinetics
NT2 combustion kinetics
NT1 nuclear reaction kinetics
RT activation energy
RT arrhenius equation
RT dissociation
RT equilibrium

reaction mechanisms
Use reaction kinetics

reaction product transport
Use reaction product transport systems

REACTION PRODUCT TRANSPORT SYSTEMS
(Until May 1995 this concept was indexed to REACTION PRODUCT TRANSPORT.)
UF *helium jet method*
UF *reaction product transport*
UF *transport (reaction product)*
NT1 rabbit tubes
RT accelerator facilities
RT nuclear reactions
RT pneumatic transport
RT reactor experimental facilities

reaction rate
Use reaction kinetics

reactivation
See regeneration

REACTIVITY
RT inhour equation
RT pile oscillation techniques
RT pile replacement techniques
RT poisoning
RT reactivity coefficients
RT reactivity insertions
RT reactivity meters
RT reactivity units
RT reactivity worths
RT reactor kinetics
RT rod drop method

reactivity (chemical)
Use activation energy

REACTIVITY COEFFICIENTS
NT1 danger coefficient
NT1 doppler coefficient
NT1 power coefficient
NT1 pressure coefficient
NT1 temperature coefficient
NT1 void coefficient
RT reactivity
RT reactivity insertions
RT reactor kinetics

REACTIVITY INSERTIONS
NT1 rod drop accidents
RT pulsed reactors
RT reactivity
RT reactivity coefficients
RT reactivity units
RT reactivity worths
RT reactor kinetics
RT rod ejection accidents

REACTIVITY METERS
*BT1 meters
RT reactivity

REACTIVITY UNITS
BT1 units
NT1 dollars
NT1 inhours
RT reactivity
RT reactivity insertions

REACTIVITY WORTHS
RT reactivity
RT reactivity insertions

REACTOR ACCIDENTS
(Includes abnormal conditions of other than major significance sometimes referred to as incidents, events, etc.; for fission reactors only.)
SF *ria (reactor accidents)*
BT1 accidents
NT1 design basis accidents
NT2 atws
NT2 maximum credible accident
NT1 excursions
NT1 loss of coolant
NT1 loss of flow
NT1 meltdown
NT1 power-cooling-mismatch accidents
NT1 reactor core disruption
NT1 rod drop accidents
NT1 rod ejection accidents
NT1 transient overpower accidents
RT burnout
RT canare
RT cenna
RT corium
RT emergency plans
RT fuel element failure

RT fuel-coolant interactions
RT international nuclear event scale
RT missile protection
RT molten metal-water reactions
RT pressure suppression
RT reactor operation
RT reactor safety
RT source terms

reactor argentin-0
Use ra-0 reactor

reactor argentin-1
Use ra-1 reactor

reactor argentin-2
Use ra-2 reactor

reactor argentin-3
Use ra-3 reactor

reactor argentin-4
Use ra-4 reactor

reactor argentin-5
Use ra-5 reactor

reactor argentin-8
Use ra-8 reactor

reactor argentin ra-6
Use ra-6 reactor

REACTOR CELLS
UF *cells (reactor)*
RT reactor lattices

reactor centrum nederland (petten)
Use rcn

REACTOR CHANNELS
(Passages through reactors.)
UF *channels (reactor)*
BT1 reactor components
NT1 beam holes
NT1 experimental channels
NT1 fuel channels
RT neutron guides

REACTOR CHARGING MACHINES
UF *charging machines (fission reactor)*
UF *fueling machines (fission reactors)*
UF *loading machines (fission reactor)*
BT1 reactor components
RT reactor fueling
RT remote handling

reactor chemistry
Use radiochemistry

REACTOR COMMISSIONING
(For fission reactors only.)
UF *commissioning (reactor)*
BT1 commissioning
RT national control
RT reactor decommissioning

REACTOR COMPONENTS
(For fission reactors only.)
UF *reactor internals*
NT1 breeding blankets
NT1 control elements
NT2 regulating rods
NT2 scram rods
NT2 shim rods
NT1 control rod drives
NT1 core catchers
NT1 fuel elements
NT2 annular fuel elements
NT2 fuel pins
NT2 fuel plates
NT2 fuel rods
NT3 hollow fuel rods
NT2 fuel wires
NT2 spent fuel elements
NT2 thermionic fuel elements
NT1 reactor channels
NT2 beam holes
NT2 experimental channels
NT2 fuel channels
NT1 reactor charging machines
NT1 reactor cooling systems
NT2 direct cycle cooling systems
NT2 dual cycle cooling systems
NT2 integrated cooling systems
NT2 primary coolant circuits
NT3 coolant cleanup systems
NT2 rcic systems
NT2 rhr systems
NT2 secondary coolant circuits
NT2 shrouds
NT1 reactor cores
NT2 coupled reactor cores
NT2 heterogeneous reactor cores
NT1 reactor experimental facilities
NT2 beam holes
NT2 experimental channels
NT2 in pile loops
NT2 rabbit tubes
NT2 tristan separator
NT1 reactor safety fuses
RT alarm systems
RT condensation chambers
RT containers
RT containment
RT control equipment
RT cooling towers
RT electrical equipment
RT electronic equipment
RT fins
RT fluid-structure interactions
RT heat exchangers
RT jackets
RT leak detectors
RT pumps
RT reactor materials
RT shielding materials
RT shields
RT sleeves
RT spacers
RT vanes

reactor control rods
Use control elements

REACTOR CONTROL SYSTEMS
(The processes and operations ensuring the control and safe running of a nuclear fission reactor.)
UF *monitors (reactor)*
BT1 control systems
RT automation
RT boiling detection
RT burnable poisons
RT configuration control
RT control elements
RT control rod drives
RT control rooms
RT fluid poison control
RT interlocks
RT neutron absorbers
RT neutron detectors
RT neutron monitors
RT on-line control systems
RT process computers
RT reactor instrumentation
RT reactor monitoring systems
RT reactor safety fuses
RT thermocouples

reactor control theory
Use reactor kinetics

REACTOR COOLING SYSTEMS
(For fission reactors only.)
UF *cooling systems (fission reactor)*
*BT1 cooling systems
BT1 reactor components
NT1 direct cycle cooling systems
NT1 dual cycle cooling systems
NT1 integrated cooling systems
NT1 primary coolant circuits
NT2 coolant cleanup systems
NT1 rcic systems
NT1 rhr systems
NT1 secondary coolant circuits
NT1 shrouds
RT auxiliary water systems
RT blowers
RT boilers
RT bypasses
RT closed-cycle cooling systems
RT compressors
RT condensation chambers
RT condenser cooling systems
RT coolants
RT cooling
RT demineralizers
RT economizers
RT feedwater
RT feedwater heaters
RT fluid flow
RT fluid-structure interactions
RT heat exchangers
RT heat transfer
RT hot channel
RT hot spots
RT ice condensers
RT isolation condensers
RT loss of coolant
RT open-cycle cooling systems
RT pressure tubes
RT pressurizers
RT pumps
RT recombiners
RT restraints
RT steam condensers
RT steam generators
RT steam jet ejectors
RT steam lines
RT steam separators
RT steam systems
RT steam turbines
RT superheaters
RT tubes
RT valves
RT vapor generators
RT water chemistry
RT water supply

reactor cooling systems (fusion)
Use thermonuclear reactor cooling systems

REACTOR CORE DISRUPTION
UF *hcda*
*BT1 reactor accidents
RT reactor cores

reactor core isolation cooling
Use rcic systems

REACTOR CORE RESTRAINTS
*BT1 reactor protection systems
BT1 restraints
RT reactor cores
RT reactor safety
RT supports

REACTOR CORES
UF *cores (reactor)*
BT1 reactor components
NT1 coupled reactor cores
NT1 heterogeneous reactor cores
RT control elements
RT core catchers
RT corium
RT fluid-structure interactions
RT fuel assemblies
RT fuel elements
RT fuel management
RT in core instruments
RT moderators
RT power density
RT power distribution
RT reactor core disruption
RT reactor core restraints
RT reactor lattices

REACTOR DECOMMISSIONING
(For fission reactors only.)
BT1 decommissioning
RT national control
RT reactor commissioning

REACTOR DISMANTLING
(For fission reactors only.)
UF *dismantling (fission reactor)*
UF *dismantling (reactor)*
BT1 demolition
RT fuel assembly dismantling
RT national control

REACTOR EXPERIMENTAL FACILITIES
UF *experimental facilities (reactor)*
BT1 reactor components
NT1 beam holes
NT1 experimental channels
NT1 in pile loops
NT1 rabbit tubes
NT1 tristan separator
RT reaction product transport systems

reactor fuel elements
Use fuel elements

REACTOR FUELING
(For fission reactors only.)
UF *charging (fission reactor)*
UF *discharging (fission reactor)*
UF *fuel loading (fission reactor)*
UF *loading (fission reactor)*
UF *unloading (fission reactor)*
UF *unloading (reactor)*
NT1 batch loading
RT fuel management
RT reactor charging machines
RT reactor operation
RT remote handling

reactor fueling (fusion reactors)
Use thermonuclear reactor fueling

reactor fuels
Use nuclear fuels

reactor fuels (fission)
Use nuclear fuels

reactor fuels (fusion)
Use thermonuclear fuels

REACTOR INSTRUMENTATION
(For fission reactors only.)
NT1 in core instruments
NT2 noise thermometers
RT acoustic monitoring
RT control rooms
RT loose parts monitoring
RT measuring instruments
RT reactor control systems
RT reactor monitoring systems
RT reactor operation
RT reactor protection systems
RT reactor safety
RT reactor shutdown

reactor internals
Use reactor components

REACTOR KINETICS
(For fission reactors only.)
UF *control theory (fission reactor)*
UF *control theory (reactor)*
UF *fission reactor control theory*
UF *reactor control theory*
BT1 kinetics
RT burnable poisons
RT control elements
RT control rod worths
RT criticality
RT delayed neutrons
RT heterogeneous effects
RT inhour equation
RT perturbation theory
RT poisoning
RT reactivity
RT reactivity coefficients
RT reactivity insertions
RT reactor kinetics equations
RT reactor noise
RT reactor period
RT reactor physics
RT reactor simulators
RT reactor stability
RT rod drop method

REACTOR KINETICS EQUATIONS
(For fission reactors only.)
UF *kinetics equations (reactor)*
BT1 equations
NT1 response matrix method
RT chapman-kolmogorov equation
RT reactor kinetics

REACTOR LATTICE PARAMETERS
UF *pitch (reactor parameters)*
UF *reactor lattice pitch*
RT homogenization methods
RT reactor lattices
RT reactor physics

reactor lattice pitch
Use reactor lattice parameters

REACTOR LATTICES
UF *lattices (reactor)*
RT configuration
RT configuration control
RT fuel elements
RT power density
RT reactor cells
RT reactor cores
RT reactor lattice parameters
RT zero power reactors

REACTOR LICENSING
(For fission reactors only.)
BT1 licensing
RT antitrust review
RT financial data
RT gesellschaft fuer anlagen- und reaktorsicherheit
RT reactor safety

REACTOR MAINTENANCE
(For fission reactors only.)
BT1 maintenance
RT in-service inspection
RT inspection
RT reactor operation
RT repair
RT safety culture

REACTOR MATERIALS
(For fission reactors only; see also descriptors for specific materials.)
BT1 materials
NT1 nuclear fuels
NT2 alloy nuclear fuels
NT2 denatured fuel
NT2 dispersion nuclear fuels
NT2 fuel solutions
NT2 liquid metal fuels
NT2 mixed carbide fuels
NT2 mixed nitride fuels
NT2 mixed oxide fuels
NT2 molten salt fuels
NT2 spent fuels
NT1 nuclear poisons
NT2 burnable poisons
NT2 fission poisons
NT2 soluble poisons
RT coolants
RT matrix materials
RT moderators
RT neutron absorbers
RT reactor components
RT shielding materials

reactor materials (fusion reactors)
Use thermonuclear reactor materials

REACTOR MONITORING SYSTEMS
INIS: Oct 1984; ETDE: Nov 1984
(Measuring and evaluation systems for performance monitoring of reactor or its components. Not to be confused with REACTOR CONTROL SYSTEMS.)
RT acoustic monitoring
RT failed element monitors
RT loose parts monitoring
RT monitoring
RT monitors
RT on-line measurement systems
RT reactor control systems
RT reactor instrumentation
RT temperature monitoring

REACTOR NOISE
UF *noise (reactor)*
RT correlation functions
RT reactor kinetics
RT variations

REACTOR OPERATION
(For fission reactors only.)
UF *operation (fission reactor)*
UF *operation (reactor)*
BT1 operation
RT fuel element failure
RT reactor accidents
RT reactor fueling
RT reactor instrumentation
RT reactor maintenance
RT reactor operators
RT reactor shutdown
RT reactor start-up
RT repair
RT safety culture

REACTOR OPERATORS
INIS: Feb 1981; ETDE: Apr 1980
(For fission reactors only.)
BT1 personnel
RT reactor operation
RT safety culture

REACTOR OSCILLATORS
UF *oscillators (reactor)*
RT oscillators
RT pile oscillation techniques

REACTOR PERIOD
UF *period (reactor)*
RT reactor kinetics
RT rossi alpha method

REACTOR PHYSICS
INIS: Feb 1978; ETDE: May 1979
(Use only for indexing articles of very broad coverage, such as annual reviews or textbooks, dealing with fission reactors.)
BT1 physics
RT neutron slowing-down theory
RT neutron transport theory
RT reactor kinetics
RT reactor lattice parameters
RT reactor safety

REACTOR POISON REMOVAL
UF *removal (reactor poison)*
BT1 removal
RT nuclear poisons
RT samarium oscillations
RT xenon oscillations

REACTOR PROTECTION SYSTEMS
(For fission reactors only.)
BT1 engineered safety systems
NT1 eccs
NT2 core flooding systems
NT2 core spray systems
NT2 high pressure coolant injection
NT2 low pressure coolant injection
NT1 reactor core restraints
RT depressurization systems
RT equipment protection devices
RT missile protection
RT reactor instrumentation
RT reactor safety
RT safety injection
RT scram
RT systems analysis

REACTOR SAFETY
(Theoretical and experimental investigations of the behavior of fission reactor types and designs under various real or hypothetical accidents.)
UF *safety (reactor)*
BT1 safety
RT accidents
RT bethe-tait method
RT boiling detection
RT condensation chambers
RT containment
RT containment spray systems
RT criticality
RT depressurization
RT fuel densification
RT fuel element failure
RT gesellschaft fuer anlagen- und reaktorsicherheit
RT high pressure coolant injection
RT hot channel factor
RT hot spot factor
RT icns
RT international nuclear event scale
RT low pressure coolant injection
RT maximum credible accident
RT missile protection
RT molten metal-water reactions
RT pressure release
RT pressure suppression
RT radiation protection
RT reactor accidents
RT reactor core restraints
RT reactor instrumentation
RT reactor licensing
RT reactor physics
RT reactor protection systems
RT reactor technology
RT reactors
RT reliability
RT safety engineering
RT safety standards
RT site selection
RT systems analysis

REACTOR SAFETY EXPERIMENTS
(For fission reactors only.)
NT1 containment mockup facility
NT1 containment research installation
NT1 containment systems experiment
NT1 nuclear safety pilot plant
RT eccs

REACTOR SAFETY FUSES
UF *fuses (reactor safety)*
BT1 reactor components
RT reactor control systems
RT scram

REACTOR SHUTDOWN
(For fission reactors only.)
UF *shutdown (reactor)*
BT1 shutdown
NT1 scram
RT after-heat
RT reactor instrumentation
RT reactor operation
RT residual power

REACTOR SIMULATORS
(For fission reactors only.)
UF *simulators (reactor)*
*BT1 simulators
RT control rooms
RT reactor kinetics

REACTOR SITES
(For fission reactors only.)
UF *sites (fission reactor)*
UF *sites (reactor)*
NT1 bruce site
NT1 darlington site
NT1 pickering site
RT environment
RT external zones
RT offshore nuclear power plants
RT offshore sites
RT on-site power generation
RT site approvals
RT site characterization
RT site preparation
RT site selection
RT underground nuclear stations

reactor siting
Use site selection

REACTOR STABILITY
(For fission reactors only.)
UF *stability (fission reactor)*
UF *stability (reactor)*
BT1 stability
RT frequency response testing
RT nonlinear problems
RT nyquist diagrams
RT reactor kinetics
RT transfer functions

REACTOR START-UP
(For fission reactors only.)
UF *start-up (fission reactor)*
UF *start-up (reactor)*
BT1 start-up
RT reactor operation
RT thermonuclear ignition

reactor start-up (thermonuclear ignition)
Use thermonuclear ignition

REACTOR TECHNOLOGY
INIS: Aug 1975; ETDE: Oct 1975
(Use only for indexing articles of very broad coverage, such as annual reviews or textbooks, dealing with fission reactors.)
RT nuclear engineering
RT reactor safety
RT reactors

reactor thermal columns
Use thermal columns

reactor triga puspati
Use rtp reactor

reactor venezolano-1
Use rv-1 reactor

REACTOR VESSELS
(For nonpressurized containers of reactor cores and associated components.)
UF *vessels (reactor)*
BT1 containers

REACTORS
(Fission reactors only. For fusion reactors, use THERMONUCLEAR REACTORS, and for reactors combining both types of reactions, use HYBRID REACTORS.)
UF *nuclear reactors*
NT1 breeder reactors
NT2 fbr type reactors
NT3 aipfr reactor
NT3 gcfr type reactors
NT4 gcfr reactor
NT3 lmfbr type reactors
NT4 beloyarsk-3 reactor
NT4 beloyarsk-4 reactor
NT4 bn-1600 reactor
NT4 bn-350 reactor
NT4 bn-800 reactor
NT4 bor-60 reactor
NT4 cdfr reactor
NT4 clinch river breeder reactor
NT4 dfr reactor
NT4 ebr-1 reactor
NT4 ebr-2 reactor
NT4 enrico fermi-1 reactor
NT4 joyo reactor
NT4 kalpakkam lmfbr reactor
NT4 monju reactor
NT4 pfr reactor
NT4 phenix reactor
NT4 plbr reactor
NT4 rapsodie reactor
NT4 sbr-1 reactor
NT4 sbr-2 reactor
NT4 sbr-5 reactor
NT4 snr reactor
NT4 snr-2 reactor
NT4 super phenix reactor
NT3 pec brasimone reactor
NT3 zebra reactor

NT2 lwbr type reactors
NT1 desalination reactors
NT2 bn-350 reactor
NT1 dust cooled reactors
NT1 enriched uranium reactors
NT2 acpr reactor
NT2 aerojet-general nucleonics reactors
NT2 afsr reactor
NT2 agr type reactors
NT3 connah quay-b reactor
NT3 dungeness-b reactor
NT3 hartlepool reactor
NT3 heysham-a reactor
NT3 heysham-b reactor
NT3 hinkley point-b reactor
NT3 hunterston-b reactor
NT3 torness reactor
NT3 wagr reactor
NT2 ai-l-77 reactor
NT2 akr-1 reactor
NT2 alrr reactor
NT2 anex reactor
NT2 anna reactor
NT2 aps reactor
NT2 apsara reactor
NT2 arbus reactor
NT2 argonaut type reactors
NT3 aeg-pr-10 reactor
NT3 arbi reactor
NT3 argonaut reactor
NT3 argos reactor
NT3 athene reactor
NT3 jason reactor
NT3 lfr reactor
NT3 moata reactor
NT3 nestor reactor
NT3 queen mary college utr-b reactor
NT3 ra-1 reactor
NT3 rb-2 reactor
NT3 rien-1 reactor
NT3 srrc-utr-100 reactor
NT3 stark reactor
NT3 strasbourg-cronenbourg reactor
NT3 uftr reactor
NT3 ulysse reactor
NT3 urr reactor
NT3 utr-10-kinki reactor
NT3 vpi-utr-10 reactor
NT2 armf-1 reactor
NT2 astra reactor
NT2 atr reactor
NT2 atrc reactor
NT2 avogadro rs-1 reactor
NT2 avr reactor
NT2 bawtr reactor
NT2 beloyarsk-1 reactor
NT2 beloyarsk-2 reactor
NT2 bgrr reactor
NT2 bigr reactor
NT2 bir reactor
NT2 bor-60 reactor
NT2 borax-1 reactor
NT2 borax-2 reactor
NT2 borax-3 reactor
NT2 borax-4 reactor
NT2 borax-5 reactor
NT2 br-02 reactor
NT2 br-2 reactor
NT2 br-3-vn reactor
NT2 brr reactor
NT2 bsr-1 reactor
NT2 bsr-2 reactor
NT2 bwr type reactors
NT3 allens creek-1 reactor
NT3 allens creek-2 reactor
NT3 bailly-1 reactor
NT3 barsebaeck-1 reactor
NT3 barsebaeck-2 reactor
NT3 barton-1 reactor
NT3 barton-2 reactor
NT3 barton-3 reactor
NT3 barton-4 reactor
NT3 bell reactor
NT3 big rock point reactor
NT3 black fox-1 reactor
NT3 black fox-2 reactor
NT3 bolsa chica-1 reactor
NT3 bolsa chica-2 reactor
NT3 bonus reactor
NT3 browns ferry-1 reactor
NT3 browns ferry-2 reactor
NT3 browns ferry-3 reactor
NT3 brunsbuettel reactor
NT3 brunswick-1 reactor
NT3 brunswick-2 reactor
NT3 chinshan-1 reactor
NT3 chinshan-2 reactor
NT3 clinton-1 reactor
NT3 clinton-2 reactor
NT3 cofrentes reactor
NT3 cooper reactor
NT3 dodewaard reactor
NT3 douglas point-1 reactor
NT3 douglas point-2 reactor
NT3 dresden-1 reactor
NT3 dresden-2 reactor
NT3 dresden-3 reactor
NT3 duane arnold-1 reactor
NT3 ebwr reactor
NT3 enel-4 reactor
NT3 enrico fermi-2 reactor
NT3 err reactor
NT3 fitzpatrick reactor
NT3 forsmark-1 reactor
NT3 forsmark-2 reactor
NT3 forsmark-3 reactor
NT3 fukushima-1 reactor
NT3 fukushima-2 reactor
NT3 fukushima-3 reactor
NT3 fukushima-4 reactor
NT3 fukushima-5 reactor
NT3 fukushima-6 reactor
NT3 fukushima-ii-1 reactor
NT3 fukushima-ii-2 reactor
NT3 fukushima-ii-3 reactor
NT3 fukushima-ii-4 reactor
NT3 garigliano reactor
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NT3 ge standard reactor
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NT3 graben-2 reactor
NT3 grand gulf-1 reactor
NT3 grand gulf-2 reactor
NT3 gundremmingen-2 reactor
NT3 gundremmingen-3 reactor
NT3 hamaoka-1 reactor
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NT3 hamaoka-3 reactor
NT3 hamaoka-4 reactor
NT3 hamaoka-5 reactor
NT3 hartsville-1 reactor
NT3 hartsville-2 reactor
NT3 hartsville-3 reactor
NT3 hartsville-4 reactor
NT3 hatch-1 reactor
NT3 hatch-2 reactor
NT3 hdr reactor
NT3 hope creek-1 reactor
NT4 newbold island-1 reactor
NT3 hope creek-2 reactor
NT4 newbold island-2 reactor
NT3 humboldt bay reactor
NT3 isar reactor
NT3 jpdr reactor
NT3 jpdr-2 reactor
NT3 kaiseraugst reactor
NT3 kashiwazaki-kariwa-1 reactor
NT3 kashiwazaki-kariwa-2 reactor
NT3 kashiwazaki-kariwa-3 reactor
NT3 kashiwazaki-kariwa-4 reactor
NT3 kashiwazaki-kariwa-5 reactor
NT3 kashiwazaki-kariwa-6 reactor
NT3 kashiwazaki-kariwa-7 reactor
NT3 kruemmel reactor
NT3 kuosheng-1 reactor
NT3 kuosheng-2 reactor
NT3 la salle county-1 reactor
NT3 la salle county-2 reactor
NT3 lacbwr reactor
NT3 laguna verde-1 reactor
NT3 laguna verde-2 reactor
NT3 leibstadt reactor
NT3 limerick-1 reactor
NT3 limerick-2 reactor
NT3 lingen reactor
NT3 mendocino-1 reactor
NT3 mendocino-2 reactor
NT3 millstone-1 reactor
NT3 montague-1 reactor
NT3 montague-2 reactor
NT3 montalto di castro-1 reactor
NT3 montalto di castro-2 reactor
NT3 monticello reactor
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NT3 nine mile point-2 reactor
NT3 okg-1 reactor
NT3 okg-2 reactor
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NT3 olkiluoto-2 reactor
NT3 onagawa-1 reactor
NT3 onagawa-2 reactor
NT3 onagawa-3 reactor
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NT3 pathfinder reactor
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NT3 peach bottom-3 reactor
NT3 perry-1 reactor
NT3 perry-2 reactor
NT3 philippsburg-1 reactor
NT3 phipps bend-1 reactor
NT3 phipps bend-2 reactor
NT3 pilgrim-1 reactor
NT3 quad cities-1 reactor
NT3 quad cities-2 reactor
NT3 ringhals-1 reactor
NT3 river bend-1 reactor
NT3 river bend-2 reactor
NT3 rwe-bayernwerk reactor
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NT3 shimane-2 reactor
NT3 shoreham reactor
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NT3 sl-1 reactor
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NT3 tokai-2 reactor
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NT3 wnp-2 reactor
NT4 hanford-2 reactor
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NT2 byu l-77 reactor
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NT2 cesnef reactor

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NT2 dragon reactor
NT2 ebor reactor
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NT2 el-4 reactor
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NT2 essor reactor
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NT2 frj-2 reactor
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NT2 hre-2 reactor
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NT2 htr-10 reactor
NT2 httr reactor
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NT2 iear-1 reactor
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NT2 ignalina-2 reactor
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NT2 jeep-2 reactor
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NT2 murr reactor
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NT2 nsrr reactor
NT2 ntr reactor
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NT2 osiris reactor
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NT2 pctr reactor
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NT2 perryman-2 reactor
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NT3 blue hills-2 reactor
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NT3 golfech-2 reactor
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NT3 gravelines-c6 reactor
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NT3 marble hill-2 reactor
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NT3 neckar-2 reactor
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NT3 neupotz-1 reactor
NT3 neupotz-2 reactor
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NT3 nogent sur seine-2 reactor
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NT3 north anna-2 reactor
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NT3 north anna-4 reactor
NT3 north coast-1 reactor
NT3 obrigheim reactor
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NT3 point beach-2 reactor
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NT3 prairie island-2 reactor
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NT3 quanicassee-2 reactor
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NT3 ringhals-4 reactor
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NT3 saint alban-2 reactor
NT3 saint laurent-b1 reactor
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NT3 salem-2 reactor
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NT3 san onofre-3 reactor
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NT3 sendai-2 reactor
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NT3 sequoyah-2 reactor
NT3 shippingport reactor
NT3 sizewell-b reactor
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NT3 sm-1a reactor
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NT3 stade reactor
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NT3 sterling-2 reactor
NT3 summer-1 reactor
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NT3 surry-4 reactor
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NT3 takahama-3 reactor
NT3 takahama-4 reactor
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NT3 three mile island-2 reactor
NT3 tihange reactor
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NT3 tihange-3 reactor
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NT3 tomari-2 reactor
NT3 tricastin-1 reactor
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NT3 trojan reactor
NT3 tsuruga-2 reactor
NT3 turkey point-3 reactor
NT3 turkey point-4 reactor
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NT3 tva-2 reactor
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NT3 tyrone-2 reactor
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NT3 ulchin-2 reactor
NT3 ulchin-3 reactor
NT3 ulchin-4 reactor
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NT3 vahnum-2 reactor
NT3 vandellos-2 reactor
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NT3 vogtle-2 reactor
NT3 vogtle-3 reactor
NT3 vogtle-4 reactor
NT3 waterford-3 reactor
NT3 waterford-4 reactor
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NT3 watts bar-2 reactor
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NT3 wup-3 reactor
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NT3 wup-6 reactor
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NT4 bohunice v-1 reactor
NT4 bohunice v-2 reactor
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NT3 zion-2 reactor
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NT2 rana reactor
NT2 rapsodie reactor
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NT2 schmehausen-2 reactor
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NT3 slowpoke-montreal reactor
NT3 slowpoke-ottawa reactor
NT3 slowpoke-toronto reactor
NT3 slowpoke-wnre reactor
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NT3 s10fs-3 reactor
NT3 s10fs-4 reactor
NT2 snap 2 reactor
NT3 s2ds reactor
NT2 snap 50 reactor
NT2 snap 8 reactor
NT3 s8dr reactor
NT3 s8er reactor
NT2 snap-tsf reactor
NT2 snaptran reactors
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NT2 sr-oa reactor
NT2 sre reactor
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NT2 stek reactor
NT2 stir reactor
NT2 summit-1 reactor
NT2 summit-2 reactor
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NT2 supo reactor
NT2 sur-100 series reactor
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NT2 thetis reactor
NT2 thor reactor
NT2 thtr-300 reactor
NT2 tibr reactor
NT2 toshiba reactor
NT2 tr-1 reactor
NT2 tr-2 reactor
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NT2 treat reactor
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NT3 cornell triga-mk-2 reactor
NT3 dow triga-mk-1 reactor
NT3 fir-1 reactor
NT3 frf-2 reactor
NT3 frn reactor
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NT3 lopra reactor
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NT3 pstr reactor
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NT3 trico reactor
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NT3 triga-1-california reactor
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NT3 triga-1-hanover reactor
NT3 triga-1-heidelberg reactor
NT3 triga-1-michigan reactor
NT3 triga-2 reactor
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NT3 triga-2-bangladesh reactor
NT3 triga-2-dalat reactor
NT3 triga-2-illinois reactor
NT3 triga-2-kansas reactor
NT3 triga-2-ljubljana reactor
NT3 triga-2-mainz reactor
NT3 triga-2-musashi reactor
NT3 triga-2-pavia reactor
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NT3 triga-2-seoul reactor
NT3 triga-2-vienna reactor
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NT3 triga-3-munich reactor
NT3 triga-3-salazar reactor
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NT3 triga-brazil reactor
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NT3 triga-veterans reactor
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NT2 umrr reactor
NT2 utrr reactor
NT2 uvar reactor
NT2 uwtr reactor
NT2 venus reactor
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NT2 vgr-50 reactor
NT2 vhtr reactor
NT2 vidal-1 reactor
NT2 vidal-2 reactor
NT2 viper reactor
NT2 vr-1 reactor
NT2 vrain reactor
NT2 wntr reactor
NT2 wpir reactor
NT2 wr-1 reactor
NT2 wrrr reactor
NT2 wtr reactor
NT2 wwr type reactors
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NT3 irt-baghdad reactor
NT3 lvr-15 reactor
NT3 wwr-2 reactor
NT3 wwr-k-almaty reactor
NT3 wwr-m-kiev reactor
NT3 wwr-m-leningrad reactor
NT3 wwr-s-bucharest reactor
NT3 wwr-s-budapest reactor
NT3 wwr-s-cairo reactor
NT3 wwr-s-moscow reactor
NT3 wwr-s-prague reactor
NT3 wwr-s-tashkent reactor
NT3 wwr-sm rossendorf reactor
NT3 wwr-z reactor

NT2 xma-1 reactor
NT2 zlfr reactor
NT2 zpr reactor
NT1 epithermal reactors
NT2 fast reactors
NT3 actinide burner reactors
NT3 afsr reactor
NT3 aprf reactor
NT3 bfs reactor
NT3 bigr reactor
NT3 bir reactor
NT3 cefr reactor
NT3 cfrmf reactor
NT3 clementine reactor
NT3 coral-1 reactor
NT3 ecel reactor
NT3 fbr type reactors
NT4 aipfr reactor
NT4 gcfr type reactors
NT5 gcfr reactor
NT4 lmfbr type reactors
NT5 beloyarsk-3 reactor
NT5 beloyarsk-4 reactor
NT5 bn-1600 reactor
NT5 bn-350 reactor
NT5 bn-800 reactor
NT5 bor-60 reactor
NT5 cdfr reactor
NT5 clinch river breeder reactor
NT5 dfr reactor
NT5 ebr-1 reactor
NT5 ebr-2 reactor
NT5 enrico fermi-1 reactor
NT5 joyo reactor
NT5 kalpakkam lmfbr reactor
NT5 monju reactor
NT5 pfr reactor
NT5 phenix reactor
NT5 plbr reactor
NT5 rapsodie reactor
NT5 sbr-1 reactor
NT5 sbr-2 reactor
NT5 sbr-5 reactor
NT5 snr reactor
NT5 snr-2 reactor
NT5 super phenix reactor
NT4 pec brasimone reactor
NT4 zebra reactor
NT3 fbrf reactor
NT3 fca reactor
NT3 fftf reactor
NT3 fr-0 reactor
NT3 harmonie reactor
NT3 hprr reactor
NT3 ibr-2 reactor
NT3 ibr-30 reactor
NT3 ifr reactor
NT3 kalpakkam pfr reactor
NT3 kbr-1 reactor
NT3 knk-2 reactor
NT3 lampre-1 reactor
NT3 masurca reactor
NT3 purnima reactor
NT3 purnima-2 reactor
NT3 saref reactor
NT3 sefor reactor
NT3 sneak reactor
NT3 sora reactor
NT3 stf reactor
NT3 tapiro reactor
NT3 tibr reactor
NT3 vera reactor
NT3 viper reactor
NT3 wntr reactor
NT3 yayoi reactor
NT3 zephyr reactor
NT3 zppr reactor
NT3 zpr-3 reactor
NT3 zpr-6 reactor
NT3 zpr-9 reactor
NT3 zrr reactor
NT2 intermediate reactors
NT3 thor reactor
NT1 fluid fueled reactors
NT2 gas fueled reactors
NT3 coaxial flow reactors
NT3 light bulb reactors
NT3 plasma core assembly
NT2 liquid homogeneous reactors
NT3 aqueous homogeneous reactors
NT4 ai-l-77 reactor
NT4 ber-2 reactor
NT4 byu l-77 reactor
NT4 cesnef reactor
NT4 dr-1 reactor
NT4 frf reactor
NT4 hre-2 reactor
NT4 jrr-1 reactor
NT4 kewb reactor
NT4 kstr reactor
NT4 ncscr-1 reactor
NT4 nevada university reactor
NT4 prnc-l-77 reactor
NT4 supo reactor
NT4 wrrr reactor
NT2 molten salt fueled reactors
NT1 fog cooled reactors
NT1 gas cooled reactors
NT2 air cooled reactors
NT3 afsr reactor
NT3 bepo reactor
NT3 bgrr reactor
NT3 br-1 reactor
NT3 g-1 reactor
NT3 gleep reactor
NT3 harmonie reactor
NT3 hprr reactor
NT3 kalpakkam pfr reactor
NT3 masurca reactor
NT3 sneak reactor
NT3 stf reactor
NT3 tory-2a reactor
NT3 tory-2c reactor
NT3 treat reactor
NT3 windscale production reactors
NT3 x-10 reactor
NT3 xma-1 reactor
NT3 zed-2 reactor
NT2 carbon dioxide cooled reactors
NT3 berkeley reactor
NT3 bohunice a-1 reactor
NT3 bradwell reactor
NT3 bugey-1 reactor
NT3 calder hall a-1 reactor
NT3 calder hall a-2 reactor
NT3 calder hall b-3 reactor
NT3 calder hall b-4 reactor
NT3 cesar reactor
NT3 chapelcross-1 reactor
NT3 chapelcross-2 reactor
NT3 chapelcross-3 reactor
NT3 chapelcross-4 reactor
NT3 chinon-1 reactor
NT3 chinon-2 reactor
NT3 chinon-3 reactor
NT3 connah quay-b reactor
NT3 dungeness-a reactor
NT3 dungeness-b reactor
NT3 el-2 reactor
NT3 el-4 reactor
NT3 g-2 reactor
NT3 g-3 reactor
NT3 hartlepool reactor
NT3 hector reactor
NT3 hero reactor
NT3 heysham-a reactor
NT3 heysham-b reactor
NT3 hinkley point-a reactor
NT3 hinkley point-b reactor
NT3 hunterston-a reactor
NT3 hunterston-b reactor
NT3 latina reactor
NT3 lucens reactor
NT3 niederaichbach reactor
NT3 oldbury-a reactor
NT3 oldbury-b reactor
NT3 saint laurent-1 reactor
NT3 saint laurent-2 reactor
NT3 sizewell-a reactor
NT3 tokai-mura reactor
NT3 torness reactor
NT3 trawsfynydd reactor
NT3 vandellos reactor
NT3 wagr reactor
NT3 wylfa reactor
NT2 ewg-1 reactor
NT2 gcfr type reactors
NT3 gcfr reactor
NT2 gcr type reactors
NT3 agr type reactors
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NT4 dungeness-b reactor
NT4 hartlepool reactor
NT4 heysham-a reactor
NT4 heysham-b reactor
NT4 hinkley point-b reactor
NT4 hunterston-b reactor
NT4 torness reactor
NT4 wagr reactor
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NT3 chinon-1 reactor
NT3 chinon-2 reactor
NT3 chinon-3 reactor
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NT3 g-2 reactor
NT3 g-3 reactor
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NT4 calder hall b-3 reactor
NT4 calder hall b-4 reactor
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NT4 chapelcross-3 reactor
NT4 chapelcross-4 reactor
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NT4 hunterston-a reactor
NT4 latina reactor
NT4 oldbury-a reactor
NT4 sizewell-a reactor
NT4 tokai-mura reactor
NT4 trawsfynydd reactor
NT4 wylfa reactor
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NT3 saint laurent-2 reactor
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NT2 helium cooled reactors
NT3 avr reactor
NT3 dragon reactor
NT3 ebor reactor
NT3 egcr reactor
NT3 fulton-1 reactor
NT3 fulton-2 reactor
NT3 gcfr reactor
NT3 gcre reactor
NT3 htr-10 reactor
NT3 httr reactor
NT3 iea-zpr reactor
NT3 peach bottom-1 reactor
NT3 schmehausen-2 reactor
NT3 summit-1 reactor
NT3 summit-2 reactor
NT3 thtr-300 reactor
NT3 uhtrex reactor

NT3 vg-400 reactor
NT3 vgr-50 reactor
NT3 vhtr reactor
NT3 vidal-1 reactor
NT3 vidal-2 reactor
NT3 vrain reactor
NT2 htgr type reactors
NT3 avr reactor
NT3 dragon reactor
NT3 fulton-1 reactor
NT3 fulton-2 reactor
NT3 ga standard reactor
NT3 htr-10 reactor
NT3 httr reactor
NT3 kahter reactor
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NT3 schmehausen-2 reactor
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NT3 summit-2 reactor
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NT3 vgr-50 reactor
NT3 vhtr reactor
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NT3 vidal-2 reactor
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NT3 bohunice a-2 reactor
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NT2 hydrogen cooled reactors
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NT4 kiwi-tnt reactor
NT3 nerva reactor
NT3 nrx-a2 reactor
NT3 nrx-a3 reactor
NT3 nrx-a4-est reactor
NT3 nrx-a5 reactor
NT3 nrx-a6 reactor
NT3 pewee-1 reactor
NT3 pewee-2 reactor
NT3 pewee-3 reactor
NT3 pewee-4 reactor
NT3 phoebus-1a reactor
NT3 phoebus-1b reactor
NT3 phoebus-2a reactor
NT3 rover reactors
NT3 xe-prime reactor
NT2 nitrogen cooled reactors
NT3 htltr reactor
NT3 ml-1 reactor
NT3 zenith reactor
NT2 pebble bed reactors
NT3 avr reactor
NT3 thtr-300 reactor
NT3 vg-400 reactor
NT3 vgr-50 reactor
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NT2 anna reactor
NT2 bepo reactor
NT2 bgrr reactor
NT2 bigr reactor
NT2 br-1 reactor
NT2 cesar reactor
NT2 cp-2 reactor
NT2 egcr reactor
NT2 f-1 reactor
NT2 gcr type reactors
NT3 agr type reactors
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NT4 dungeness-b reactor
NT4 hartlepool reactor
NT4 heysham-a reactor
NT4 heysham-b reactor
NT4 hinkley point-b reactor
NT4 hunterston-b reactor
NT4 torness reactor
NT4 wagr reactor
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NT3 chinon-3 reactor
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NT3 g-2 reactor
NT3 g-3 reactor
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NT4 calder hall b-4 reactor
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NT4 chapelcross-3 reactor
NT4 chapelcross-4 reactor
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NT4 hunterston-a reactor
NT4 latina reactor
NT4 oldbury-a reactor
NT4 sizewell-a reactor
NT4 tokai-mura reactor
NT4 trawsfynydd reactor
NT4 wylfa reactor
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NT3 saint laurent-2 reactor
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NT2 hector reactor
NT2 hero reactor
NT2 hew-305 reactor
NT2 hitrex-1 reactor
NT2 hnpf reactor
NT2 htgr type reactors
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NT3 dragon reactor
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NT3 fulton-2 reactor
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NT3 httr reactor
NT3 kahter reactor
NT3 peach bottom-1 reactor
NT3 schmehausen-2 reactor
NT3 summit-1 reactor
NT3 summit-2 reactor
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NT3 vg-400 reactor
NT3 vgr-50 reactor
NT3 vhtr reactor
NT3 vidal-1 reactor
NT3 vidal-2 reactor
NT3 vrain reactor
NT2 htltr reactor
NT2 iea-zpr reactor
NT2 igr reactor
NT2 iowa utr-10 reactor
NT2 kuca reactor
NT2 lwgr type reactors
NT3 aps reactor
NT3 beloyarsk-1 reactor
NT3 beloyarsk-2 reactor
NT3 bilibin reactor
NT3 chernobylsk-1 reactor
NT3 chernobylsk-2 reactor
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NT3 chernobylsk-4 reactor
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NT3 ignalina-2 reactor
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NT3 kursk-3 reactor
NT3 kursk-4 reactor
NT3 leningrad-1 reactor
NT3 leningrad-2 reactor
NT3 leningrad-3 reactor
NT3 leningrad-4 reactor
NT3 n-reactor
NT3 rpt reactor
NT3 smolensk-1 reactor
NT3 smolensk-2 reactor
NT3 smolensk-3 reactor
NT3 uwtr reactor
NT2 marius reactor
NT2 msre reactor
NT2 ntr reactor
NT2 pctr reactor
NT2 proteus reactor
NT2 rb-1 reactor
NT2 sgr type reactors
NT3 sre reactor
NT2 shca reactor
NT2 sr-305 reactor
NT2 treat reactor
NT2 uhtrex reactor
NT2 windscale production reactors
NT2 x-10 reactor
NT2 zenith reactor
NT1 heavy water cooled reactors
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NT2 aquilon reactor
NT2 bhwr type reactors
NT3 hbwr reactor
NT3 marviken reactor
NT2 br-3-vn reactor
NT2 celestin reactor
NT2 cp-3 reactor
NT2 cp-3m reactor
NT2 cp-5 reactor
NT2 dca reactor
NT2 dhruva reactor
NT2 dido reactor
NT2 diorit reactor
NT2 dmtr reactor
NT2 dr-3 reactor
NT2 el-1 reactor
NT2 el-3 reactor
NT2 eole reactor
NT2 essor reactor
NT2 fr-2 reactor
NT2 frj-2 reactor
NT2 grenoble reactor
NT2 gtrr reactor
NT2 hfbr reactor
NT2 hifar reactor
NT2 hwctr reactor
NT2 hwrr reactor
NT2 irr-2 reactor
NT2 ispra-1 reactor
NT2 jeep-2 reactor
NT2 jrr-2 reactor
NT2 jrr-3 reactor
NT2 mitr reactor
NT2 nbsr reactor
NT2 nora reactor
NT2 nru reactor
NT2 nrx reactor
NT2 pdp reactor
NT2 pelinduna reactor
NT2 phwr type reactors
NT3 agesta reactor
NT3 atucha reactor
NT3 atucha-2 reactor
NT3 bruce-1 reactor
NT3 bruce-2 reactor
NT3 bruce-3 reactor
NT3 bruce-4 reactor
NT3 bruce-5 reactor
NT3 bruce-6 reactor
NT3 bruce-7 reactor
NT3 bruce-8 reactor
NT3 cernavoda-1 reactor
NT3 cordoba reactor
NT3 cvtr reactor

NT3 darlington-1 reactor
NT3 darlington-2 reactor
NT3 darlington-3 reactor
NT3 darlington-4 reactor
NT3 douglas point ontario reactor
NT3 gentilly-2 reactor
NT3 kaiga-1 reactor
NT3 kaiga-2 reactor
NT3 kakrapar-1 reactor
NT3 kakrapar-2 reactor
NT3 kalpakkam-1 reactor
NT3 kalpakkam-2 reactor
NT3 kanupp reactor
NT3 mzfr reactor
NT3 narora-1 reactor
NT3 narora-2 reactor
NT3 npd reactor
NT3 pickering-1 reactor
NT3 pickering-2 reactor
NT3 pickering-3 reactor
NT3 pickering-4 reactor
NT3 pickering-5 reactor
NT3 pickering-6 reactor
NT3 pickering-7 reactor
NT3 pickering-8 reactor
NT3 point lepreau-1 reactor
NT3 point lepreau-2 reactor
NT3 rajasthan-1 reactor
NT3 rajasthan-2 reactor
NT3 rajasthan-3 reactor
NT3 rajasthan-4 reactor
NT3 wolsung-1 reactor
NT3 wolsung-2 reactor
NT3 wolsung-3 reactor
NT3 wolsung-4 reactor
NT2 pluto reactor
NT2 prr reactor
NT2 prtr reactor
NT2 pse reactor
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NT2 r-a reactor
NT2 spert-2 reactor
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NT2 venus reactor
NT2 zed-2 reactor
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NT3 pickering-5 reactor
NT3 pickering-6 reactor
NT3 pickering-7 reactor
NT3 pickering-8 reactor
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NT3 point lepreau-2 reactor
NT3 qinshan-3-1 reactor
NT3 qinshan-3-2 reactor
NT3 rajasthan-1 reactor
NT3 rajasthan-2 reactor
NT3 rajasthan-3 reactor
NT3 rajasthan-4 reactor
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NT3 wolsung-3 reactor
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NT2 cirus reactor
NT2 cp-3 reactor
NT2 cp-3m reactor
NT2 cp-5 reactor
NT2 dca reactor
NT2 dhruva reactor
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NT2 diorit reactor
NT2 dmtr reactor
NT2 dr-3 reactor
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NT2 el-3 reactor
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NT2 essor reactor
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NT2 frj-2 reactor
NT2 grenoble reactor
NT2 gtrr reactor
NT2 hfbr reactor
NT2 hifar reactor
NT2 hre-2 reactor
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NT2 hwgcr type reactors
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NT2 hwrr reactor
NT2 hwzpr reactor
NT2 irr-2 reactor
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NT2 jeep-2 reactor
NT2 jrr-2 reactor
NT2 jrr-3 reactor
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NT2 k reactor
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NT2 nbsr reactor
NT2 nora reactor
NT2 nru reactor
NT2 nrx reactor
NT2 p reactor
NT2 pdp reactor
NT2 pelinduna reactor
NT2 phwr type reactors
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NT3 atucha reactor
NT3 atucha-2 reactor
NT3 bruce-1 reactor
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NT3 bruce-3 reactor
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NT3 bruce-7 reactor
NT3 bruce-8 reactor
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NT3 cordoba reactor
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NT3 kakrapar-2 reactor
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NT2 rb-3 reactor
NT2 rtr reactor
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NT2 spert-2 reactor
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NT2 venus reactor
NT2 wr-1 reactor
NT2 zed-2 reactor
NT2 zeep reactor
NT2 zerlina reactor
NT1 homogeneous reactors
NT2 fuel dispersion reactors
NT3 fluidized bed reactors
NT3 slurry reactors
NT2 gas fueled reactors
NT3 coaxial flow reactors
NT3 light bulb reactors
NT3 plasma core assembly
NT2 liquid homogeneous reactors
NT3 aqueous homogeneous reactors
NT4 ai-l-77 reactor
NT4 ber-2 reactor
NT4 byu l-77 reactor
NT4 cesnef reactor

NT2 darlington-3 reactor
NT2 darlington-4 reactor
NT2 dhruva reactor
NT2 diorit reactor
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NT2 el-2 reactor
NT2 essor reactor
NT2 f-1 reactor
NT2 fr-2 reactor
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NT2 gentilly-2 reactor
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NT2 hwzpr reactor
NT2 jatr reactor
NT2 jrr-3 reactor
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NT2 kaiga-2 reactor
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NT2 kakrapar-2 reactor
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NT3 calder hall b-3 reactor
NT3 calder hall b-4 reactor
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NT3 chapelcross-3 reactor
NT3 chapelcross-4 reactor
NT3 dungeness-a reactor
NT3 hinkley point-a reactor
NT3 hunterston-a reactor
NT3 latina reactor
NT3 oldbury-a reactor
NT3 sizewell-a reactor
NT3 tokai-mura reactor
NT3 trawsfynydd reactor
NT3 wylfa reactor
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NT2 mzfr reactor
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NT2 narora-2 reactor
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NT2 nrx reactor
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NT2 pickering-4 reactor
NT2 pickering-5 reactor
NT2 pickering-6 reactor
NT2 pickering-7 reactor
NT2 pickering-8 reactor
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NT2 point lepreau-2 reactor
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NT2 r-b reactor
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NT2 rajasthan-2 reactor
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NT2 rajasthan-4 reactor
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NT2 wolsung-2 reactor
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NT2 wolsung-4 reactor
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NT2 zed-2 reactor
NT2 zeep reactor
NT2 zephyr reactor

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NT2 eocr reactor
NT2 essor reactor
NT2 lwor type reactors
NT2 omr type reactors
NT3 arbus reactor
NT3 omre reactor
NT3 pnpf reactor
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NT2 zed-2 reactor
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NT2 akr-1 reactor
NT2 eocr reactor
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NT3 arbus reactor
NT3 omre reactor
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NT2 sur-100 series reactor
NT2 viper reactor
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NT1 plutonium reactors
NT2 clementine reactor
NT2 ebr-1 reactor
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NT2 jatr reactor
NT2 lampre-1 reactor
NT2 masurca reactor
NT2 phenix reactor
NT2 prcf reactor
NT2 rapsodie reactor
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NT2 sbr-2 reactor
NT2 sbr-5 reactor
NT2 sefor reactor
NT2 stacy reactor
NT2 super phenix reactor
NT2 tracy reactor
NT2 zeep reactor
NT2 zephyr reactor
NT1 power reactors
NT2 agesta reactor
NT2 aipfr reactor
NT2 ao-phai-1 reactor
NT2 aps reactor
NT2 arbus reactor
NT2 avr reactor
NT2 beloyarsk-1 reactor
NT2 beloyarsk-2 reactor
NT2 beloyarsk-3 reactor
NT2 beloyarsk-4 reactor
NT2 bilibin reactor
NT2 bn-1600 reactor
NT2 bn-350 reactor
NT2 bn-800 reactor
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NT2 bohunice a-2 reactor
NT2 bor-60 reactor
NT2 borax-3 reactor
NT2 borax-4 reactor
NT2 borax-5 reactor
NT2 bugey-1 reactor
NT2 bwr type reactors
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NT3 allens creek-2 reactor
NT3 bailly-1 reactor
NT3 barsebaeck-1 reactor
NT3 barsebaeck-2 reactor
NT3 barton-1 reactor
NT3 barton-2 reactor
NT3 barton-3 reactor
NT3 barton-4 reactor
NT3 bell reactor
NT3 big rock point reactor
NT3 black fox-1 reactor
NT3 black fox-2 reactor
NT3 bolsa chica-1 reactor
NT3 bolsa chica-2 reactor

NT3 bonus reactor
NT3 browns ferry-1 reactor
NT3 browns ferry-2 reactor
NT3 browns ferry-3 reactor
NT3 brunsbuettel reactor
NT3 brunswick-1 reactor
NT3 brunswick-2 reactor
NT3 chinshan-1 reactor
NT3 chinshan-2 reactor
NT3 clinton-1 reactor
NT3 clinton-2 reactor
NT3 cofrentes reactor
NT3 cooper reactor
NT3 dodewaard reactor
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NT3 douglas point-2 reactor
NT3 dresden-1 reactor
NT3 dresden-2 reactor
NT3 dresden-3 reactor
NT3 duane arnold-1 reactor
NT3 ebwr reactor
NT3 enel-4 reactor
NT3 enrico fermi-2 reactor
NT3 err reactor
NT3 fitzpatrick reactor
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NT3 forsmark-3 reactor
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NT3 fukushima-ii-2 reactor
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NT3 fukushima-ii-4 reactor
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NT3 garona reactor
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NT3 graben-2 reactor
NT3 grand gulf-1 reactor
NT3 grand gulf-2 reactor
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NT3 gundremmingen-3 reactor
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NT3 hamaoka-3 reactor
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NT3 hamaoka-5 reactor
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NT3 hartsville-2 reactor
NT3 hartsville-3 reactor
NT3 hartsville-4 reactor
NT3 hatch-1 reactor
NT3 hatch-2 reactor
NT3 hdr reactor
NT3 hope creek-1 reactor
NT4 newbold island-1 reactor
NT3 hope creek-2 reactor
NT4 newbold island-2 reactor
NT3 humboldt bay reactor
NT3 isar reactor
NT3 jpdr reactor
NT3 jpdr-2 reactor
NT3 kaiseraugst reactor
NT3 kashiwazaki-kariwa-1 reactor
NT3 kashiwazaki-kariwa-2 reactor
NT3 kashiwazaki-kariwa-3 reactor
NT3 kashiwazaki-kariwa-4 reactor
NT3 kashiwazaki-kariwa-5 reactor
NT3 kashiwazaki-kariwa-6 reactor
NT3 kashiwazaki-kariwa-7 reactor
NT3 kruemmel reactor
NT3 kuosheng-1 reactor
NT3 kuosheng-2 reactor
NT3 la salle county-1 reactor

NT3 ringhals-2 reactor
NT3 ringhals-3 reactor
NT3 ringhals-4 reactor
NT3 robinson-2 reactor
NT3 rooppur reactor
NT3 rowe yankee reactor
NT3 s1c prototype reactor
NT3 saint alban-1 reactor
NT3 saint alban-2 reactor
NT3 saint laurent-b1 reactor
NT3 salem-1 reactor
NT3 salem-2 reactor
NT3 san onofre-1 reactor
NT3 san onofre-2 reactor
NT3 san onofre-3 reactor
NT3 savannah reactor
NT3 saxton reactor
NT3 seabrook-1 reactor
NT3 seabrook-2 reactor
NT3 selni reactor
NT3 sendai-1 reactor
NT3 sendai-2 reactor
NT3 sequoyah-1 reactor
NT3 sequoyah-2 reactor
NT3 shippingport reactor
NT3 sizewell-b reactor
NT3 sm-1 reactor
NT3 sm-1a reactor
NT3 south texas project-1 reactor
NT3 south texas project-2 reactor
NT3 stade reactor
NT3 sterling-1 reactor
NT3 sterling-2 reactor
NT3 summer-1 reactor
NT3 sundesert-1 reactor
NT3 sundesert-2 reactor
NT3 surry-1 reactor
NT3 surry-2 reactor
NT3 surry-3 reactor
NT3 surry-4 reactor
NT3 takahama-1 reactor
NT3 takahama-2 reactor
NT3 takahama-3 reactor
NT3 takahama-4 reactor
NT3 three mile island-1 reactor
NT3 three mile island-2 reactor
NT3 tihange reactor
NT3 tihange-2 reactor
NT3 tihange-3 reactor
NT3 tomari-1 reactor
NT3 tomari-2 reactor
NT3 tricastin-1 reactor
NT3 tricastin-4 reactor
NT3 trillo-1 reactor
NT3 trojan reactor
NT3 tsuruga-2 reactor
NT3 turkey point-3 reactor
NT3 turkey point-4 reactor
NT3 tva-1 reactor
NT3 tva-2 reactor
NT3 tyrone-1 reactor
NT3 tyrone-2 reactor
NT3 ulchin-1 reactor
NT3 ulchin-2 reactor
NT3 ulchin-3 reactor
NT3 ulchin-4 reactor
NT3 unterweser reactor
NT3 vahnum-1 reactor
NT3 vahnum-2 reactor
NT3 vandellos-2 reactor
NT3 vogtle-1 reactor
NT3 vogtle-2 reactor
NT3 vogtle-3 reactor
NT3 vogtle-4 reactor
NT3 waterford-3 reactor
NT3 waterford-4 reactor
NT3 watts bar-1 reactor
NT3 watts bar-2 reactor
NT3 westinghouse standard reactor
NT3 wnp-1 reactor
NT3 wnp-3 reactor
NT3 wnp-4 reactor
NT3 wnp-5 reactor
NT3 wolf creek-1 reactor
NT3 wup-3 reactor
NT3 wup-4 reactor
NT3 wup-5 reactor
NT3 wup-6 reactor
NT3 wwer type reactors
NT4 armenian-1 reactor
NT4 armenian-2 reactor
NT4 balakovo-1 reactor
NT4 balakovo-2 reactor
NT4 balakovo-3 reactor
NT4 balakovo-4 reactor
NT4 blahutovice-1 reactor
NT4 bohunice v-1 reactor
NT4 bohunice v-2 reactor
NT4 dukovany-1 reactor
NT4 dukovany-2 reactor
NT4 dukovany-3 reactor
NT4 dukovany-4 reactor
NT4 greifswald-1 reactor
NT4 greifswald-2 reactor
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NT4 greifswald-4 reactor
NT4 greifswald-5 reactor
NT4 greifswald-6 reactor
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NT4 kalinin-1 reactor
NT4 kalinin-3 reactor
NT4 kecerovce-1 reactor
NT4 khmelnitskij-1 reactor
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NT4 kozloduy-5 reactor
NT4 kozloduy-6 reactor
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NT4 loviisa-2 reactor
NT4 mochovce-1 reactor
NT4 mochovce-2 reactor
NT4 novovoronezh-1 reactor
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NT4 paks-4 reactor
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NT4 tatarian reactor
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NT4 temelin-2 reactor
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NT4 zaporozhe-1 reactor
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NT3 wyhl-2 reactor
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NT3 yellow creek-2 reactor
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NT3 yonggwang-3 reactor
NT3 yonggwang-4 reactor
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NT3 zion-2 reactor
NT3 zorita-1 reactor
NT2 rancho seco-2 reactor
NT2 saint laurent-1 reactor
NT2 saint laurent-2 reactor
NT2 schmehausen-2 reactor
NT2 sefor reactor
NT2 smolensk-1 reactor
NT2 smolensk-2 reactor
NT2 smolensk-3 reactor
NT2 snr reactor
NT2 snr-2 reactor
NT2 space power reactors
NT3 snap reactors
NT4 snap 10 reactor
NT5 s10fs-1 reactor
NT5 s10fs-3 reactor
NT5 s10fs-4 reactor
NT4 snap 2 reactor
NT5 s2ds reactor
NT4 snap 50 reactor
NT4 snap 8 reactor
NT5 s8dr reactor
NT5 s8er reactor
NT3 space propulsion reactors
NT4 kiwi reactors
NT5 kiwi-tnt reactor
NT4 nerva reactor
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NT4 nrx-a2 reactor
NT4 nrx-a3 reactor
NT4 nrx-a4-est reactor
NT4 nrx-a5 reactor
NT4 nrx-a6 reactor
NT4 nrx-a7 reactor
NT4 pewee-1 reactor
NT4 pewee-2 reactor
NT4 pewee-3 reactor
NT4 pewee-4 reactor
NT4 phoebus-1a reactor
NT4 phoebus-1b reactor
NT4 phoebus-2a reactor
NT4 rover reactors
NT4 twmr reactor
NT4 xe-2 reactor
NT2 sre reactor
NT2 summit-1 reactor
NT2 summit-2 reactor
NT2 thermionic reactors
NT2 thermoelectric reactors
NT2 thtr-300 reactor
NT2 topaz reactor
NT2 torness reactor
NT2 vandellos reactor
NT2 vg-400 reactor
NT2 vgr-50 reactor
NT2 vhtr reactor
NT2 vidal-1 reactor
NT2 vidal-2 reactor
NT2 vrain reactor
NT2 wagr reactor
NT1 process heat reactors
NT2 agesta reactor
NT2 midland-1 reactor
NT2 midland-2 reactor
NT2 nhr-5 reactor
NT2 pm-2a reactor
NT2 ser reactor
NT2 sl-1 reactor
NT2 slowpoke-wnre reactor
NT2 sm-1a reactor
NT2 snap 10 reactor
NT3 s10fs-1 reactor

NT4 zephyr reactor
NT4 zerlina reactor
NT4 zlfr reactor
NT4 zppr reactor
NT4 zpr reactor
NT4 zpr-3 reactor
NT4 zpr-6 reactor
NT4 zpr-9 reactor
NT4 zr-6 reactor
NT3 zrr reactor
NT2 kalpakkam pfr reactor
NT2 kamini reactor
NT2 maple reactor
NT2 maple type reactors
NT2 maria reactor
NT2 nuclear furnace reactor
NT2 purnima-3 reactor
NT2 research reactors
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NT3 acpr reactor
NT3 aeg-pr-10 reactor
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NT3 afsr reactor
NT3 agata reactor
NT3 ai-l-77 reactor
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NT3 arbi reactor
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NT3 astra reactor
NT3 athene reactor
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NT3 atsr reactor
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NT3 barn reactor
NT3 bepo reactor
NT3 ber-2 reactor
NT3 bgrr reactor
NT3 bigr reactor
NT3 bir reactor
NT3 br-02 reactor
NT3 br-1 reactor
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NT3 bsr-2 reactor
NT3 byu l-77 reactor
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NT3 cirus reactor
NT3 clementine reactor
NT3 consort-2 reactor
NT3 coral-1 reactor
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NT3 cp-3m reactor
NT3 cp-5 reactor
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NT3 democritus reactor
NT3 dhruva reactor
NT3 dido reactor
NT3 diorit reactor
NT3 dmtr reactor
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NT3 frf reactor
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NT3 frg-2 reactor
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NT3 frn reactor
NT3 ga siwabessy reactor
NT3 gharr-1 reactor
NT3 gleep reactor
NT3 grenoble reactor
NT3 gtrr reactor
NT3 gulf triga-mk-3 reactor
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NT3 harmonie reactor
NT3 hector reactor
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NT3 hero reactor
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NT3 hor reactor
NT3 horace reactor
NT3 hprr reactor
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NT3 htltr reactor
NT3 htr reactor
NT3 hwrr reactor
NT3 ian-r1 reactor
NT3 ibr-2 reactor
NT3 ibr-30 reactor
NT3 iea-zpr reactor
NT3 iear-1 reactor
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NT3 irr-2 reactor
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NT3 irt-baghdad reactor
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NT3 irt-f reactor
NT3 irt-m reactor
NT3 irt-sofia reactor
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NT3 ivv-7 reactor
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NT3 jeep-2 reactor
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NT3 jrr-4 reactor
NT3 juno reactor
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NT3 king reactor
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NT3 kuhfr reactor
NT3 kur reactor
NT3 la reina rech-1 reactor
NT3 lfr reactor
NT3 lido reactor
NT3 lo aguirre rech-2 reactor
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NT3 moata reactor
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NT3 mrr reactor
NT3 murr reactor
NT3 nbsr reactor
NT3 ncscr-1 reactor
NT3 nestor reactor
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NT3 nsrr reactor
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NT3 osiris reactor
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NT3 parr reactor
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NT3 pctr reactor
NT3 phebus reactor
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NT3 proteus reactor
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NT3 ra-8 reactor
NT3 rake-2 reactor
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NT3 rg-1m reactor
NT3 rien-1 reactor
NT3 rinsc reactor
NT3 ritmo reactor
NT3 romashka reactor
NT3 rp-10 reactor
NT3 rpt reactor
NT3 rts-1 reactor
NT3 rv-1 reactor
NT3 sbr-1 reactor
NT3 sbr-2 reactor
NT3 sbr-5 reactor
NT3 scarabee reactor
NT3 silene reactor
NT3 slowpoke type reactors

NT4 slowpoke-alberta reactor
NT4 slowpoke-dalhousie reactor
NT4 slowpoke-montreal reactor
NT4 slowpoke-ottawa reactor
NT4 slowpoke-toronto reactor
NT4 slowpoke-wnre reactor
NT3 sneak reactor
NT3 sora reactor
NT3 spert-1 reactor
NT3 spr-2 reactor
NT3 spr-3 reactor
NT3 spr-4 reactor
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NT3 sr-oa reactor
NT3 srrc-utr-100 reactor
NT3 stf reactor
NT3 supo reactor
NT3 swierk r-2 reactor
NT3 taiwan research reactor
NT3 tapiro reactor
NT3 tca reactor
NT3 thetis reactor
NT3 thor reactor
NT3 tibr reactor
NT3 tory-2a reactor
NT3 toshiba reactor
NT3 tr-1 reactor
NT3 tr-2 reactor
NT3 triga-1-michigan reactor
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NT3 uknr reactor
NT3 umne-1 reactor
NT3 umrr reactor
NT3 utr-10-kinki reactor
NT3 utrr reactor
NT3 uvar reactor
NT3 vera reactor
NT3 viper reactor
NT3 vpi-utr-10 reactor
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NT3 wsur reactor
NT3 wtr reactor
NT3 wwr-2 reactor
NT3 wwr-k-almaty reactor
NT3 wwr-m-kiev reactor
NT3 wwr-m-leningrad reactor
NT3 wwr-s-bucharest reactor
NT3 wwr-s-cairo reactor
NT3 wwr-s-moscow reactor
NT3 wwr-s-prague reactor
NT3 wwr-s-tashkent reactor
NT3 wwr-sm rossendorf reactor
NT3 wwr-z reactor
NT3 x-10 reactor
NT3 xapr reactor
NT3 zebra reactor
NT3 zeep reactor
NT3 zenith reactor
NT3 zerlina reactor
NT3 zlfr reactor
NT3 zppr reactor
NT2 super kukla reactor
NT2 test reactors
NT3 aipfr reactor
NT3 arbus reactor
NT3 astr reactor
NT3 astra reactor
NT3 atpr reactor
NT3 atr reactor
NT3 barn reactor
NT3 bawtr reactor
NT3 bgrr reactor
NT3 borax-5 reactor
NT3 br-02 reactor
NT3 brr reactor
NT3 cesnef reactor
NT3 cirus reactor
NT3 cp-5 reactor
NT3 dhruva reactor
NT3 dimple reactor
NT3 diorit reactor
NT3 ebor reactor
NT3 ebr-1 reactor
NT3 eco reactor
NT3 eocr reactor
NT3 esada-vesr reactor
NT3 essor reactor
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NT3 fir-1 reactor
NT3 fmrb reactor
NT3 fnr reactor
NT3 fr-2 reactor
NT3 frctf reactor
NT3 frg-1 reactor
NT3 frn reactor
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NT3 grenoble reactor
NT3 gtr reactor
NT3 gtrr reactor
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NT3 herald reactor
NT3 hero reactor
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NT3 hfir reactor
NT3 hifar reactor
NT3 hre-2 reactor
NT3 htltr reactor
NT3 htr-10 reactor
NT3 irl reactor
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NT3 irt-baghdad reactor
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NT3 owr reactor
NT3 pat reactor
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NT3 proteus reactor
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NT3 ra-8 reactor
NT3 rapsodie reactor
NT3 rts-1 reactor
NT3 s1c prototype reactor
NT3 safari-1 reactor
NT3 sbr-5 reactor
NT3 snaptran reactors
NT3 stf reactor
NT3 tapiro reactor
NT3 tory-2a reactor
NT3 tory-2c reactor
NT3 treat reactor
NT3 triga-1-michigan reactor
NT3 triga-2-pavia reactor
NT3 tsr-1 reactor
NT3 tsr-2 reactor
NT3 urr reactor
NT3 uvar reactor
NT3 viper reactor
NT3 wr-1 reactor
NT3 wtr reactor
NT2 training reactors
NT3 aerojet-general nucleonics reactors
NT3 afrri reactor
NT3 ai-l-77 reactor
NT3 akr-1 reactor
NT3 apsara reactor
NT3 arbi reactor
NT3 argonaut reactor
NT3 argos reactor
NT3 athene reactor
NT3 atpr reactor
NT3 bgrr reactor
NT3 budapest training reactor
NT3 byu l-77 reactor
NT3 cesnef reactor
NT3 cirus reactor
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NT3 consort-2 reactor
NT3 cornell triga-mk-2 reactor
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NT3 dr-1 reactor
NT3 fir-1 reactor
NT3 fnr reactor
NT3 fr-0 reactor
NT3 frf reactor
NT3 frg-1 reactor
NT3 gleep reactor
NT3 gtrr reactor
NT3 gulf triga-mk-3 reactor
NT3 hor reactor
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NT3 ian-r1 reactor
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NT3 moata reactor
NT3 murr reactor
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NT3 osur reactor
NT3 prnc-l-77 reactor
NT3 pstr reactor
NT3 queen mary college utr-b reactor
NT3 r-b reactor
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NT3 rien-1 reactor
NT3 rts-1 reactor
NT3 rv-1 reactor
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NT3 srrc-utr-100 reactor
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NT3 strasbourg-cronenbourg reactor
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NT3 thor reactor
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NT3 uvar reactor
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NT3 uwtr reactor
NT3 vpi-utr-10 reactor

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NT2 cp-3m reactor
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NT2 heysham-a reactor
NT2 heysham-b reactor
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NT2 hfr reactor
NT2 hifar reactor
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NT2 hinkley point-b reactor
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NT2 lucens reactor
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NT2 oldbury-b reactor
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NT2 perryman-2 reactor
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NT2 pse reactor
NT2 pstr reactor
NT2 purnima-3 reactor
NT2 pwr type reactors
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NT3 almaraz-2 reactor
NT3 angra-1 reactor
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NT3 angra-3 reactor
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NT3 ardennes reactor
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NT3 arkansas-2 reactor
NT3 asco-1 reactor
NT3 asco-2 reactor
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NT3 atlantic-2 reactor
NT3 basf-1 reactor
NT3 basf-2 reactor
NT3 beaver valley-1 reactor
NT3 beaver valley-2 reactor
NT3 bellefonte-1 reactor
NT3 bellefonte-2 reactor
NT3 belleville sur loire-1 reactor
NT3 belleville sur loire-2 reactor
NT3 beznau-1 reactor
NT3 beznau-2 reactor
NT3 biblis-1 reactor
NT3 biblis-2 reactor
NT3 biblis-3 reactor
NT3 biblis-4 reactor
NT3 blayais-1 reactor
NT3 blue hills-1 reactor
NT3 blue hills-2 reactor
NT3 borssele reactor
NT3 br-3 reactor
NT3 braidwood-1 reactor
NT3 braidwood-2 reactor
NT3 brokdorf reactor
NT3 bugey-2 reactor
NT3 bugey-3 reactor
NT3 bugey-4 reactor
NT3 bugey-5 reactor
NT3 bw standard reactor
NT3 byron-1 reactor
NT3 byron-2 reactor
NT3 calhoun-1 reactor
NT3 calhoun-2 reactor
NT3 callaway-1 reactor
NT3 callaway-2 reactor
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NT3 calvert cliffs-2 reactor
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NT3 catawba-2 reactor
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NT3 ce standard reactor
NT3 cherokee-1 reactor
NT3 cherokee-2 reactor
NT3 cherokee-3 reactor
NT3 chinon-b1 reactor
NT3 comanche peak-1 reactor
NT3 comanche peak-2 reactor
NT3 connecticut yankee reactor
NT3 cook-1 reactor
NT3 cook-2 reactor
NT3 cruas-2 reactor
NT3 cruas-3 reactor
NT3 cruas-4 reactor
NT3 crystal river-3 reactor
NT3 crystal river-4 reactor
NT3 dampierre-1 reactor
NT3 dampierre-2 reactor
NT3 dampierre-3 reactor
NT3 dampierre-4 reactor
NT3 davis besse-1 reactor
NT3 davis besse-2 reactor
NT3 davis besse-3 reactor
NT3 daya bay-1 reactor
NT3 daya bay-2 reactor
NT3 diablo canyon-1 reactor
NT3 diablo canyon-2 reactor
NT3 doel-1 reactor
NT3 doel-2 reactor
NT3 doel-3 reactor
NT3 doel-4 reactor
NT3 efdr-50 reactor
NT3 emsland reactor
NT3 erie-1 reactor
NT3 erie-2 reactor
NT3 farley-1 reactor
NT3 farley-2 reactor

NT3 fessenheim-1 reactor
NT3 flamanville-1 reactor
NT3 flamanville-2 reactor
NT3 forked river-1 reactor
NT3 genkai-1 reactor
NT3 genkai-2 reactor
NT3 genkai-3 reactor
NT3 genkai-4 reactor
NT3 ginna-1 reactor
NT3 goesgen reactor
NT3 golfech-1 reactor
NT3 golfech-2 reactor
NT3 grafenrheinfeld reactor
NT3 gravelines-b1 reactor
NT3 gravelines-c6 reactor
NT3 greene county reactor
NT3 greenwood-2 reactor
NT3 greenwood-3 reactor
NT3 grohnde reactor
NT3 hamm-uentrop reactor
NT3 harris-1 reactor
NT3 harris-2 reactor
NT3 harris-3 reactor
NT3 harris-4 reactor
NT3 haven-1 reactor
NT4 koshkonong-1 reactor
NT3 haven-2 reactor
NT4 koshkonong-2 reactor
NT3 ikata reactor
NT3 ikata-2 reactor
NT3 ikata-3 reactor
NT3 indian point-1 reactor
NT3 indian point-2 reactor
NT3 indian point-3 reactor
NT3 iran-1 reactor
NT3 iran-2 reactor
NT3 isar-2 reactor
NT3 jamesport-1 reactor
NT3 jamesport-2 reactor
NT3 kewaunee reactor
NT3 koeberg-1 reactor
NT3 koeberg-2 reactor
NT3 kori-1 reactor
NT3 kori-2 reactor
NT3 kori-3 reactor
NT3 kori-4 reactor
NT3 krsko reactor
NT3 lemoniz-1 reactor
NT3 lemoniz-2 reactor
NT3 lenin reactor
NT3 leonid brezhnev reactor
NT3 lingao-1 reactor
NT3 lingao-2 reactor
NT3 loft reactor
NT3 lucie-1 reactor
NT3 lucie-2 reactor
NT3 maanshan-1 reactor
NT3 maine yankee reactor
NT3 malibu-1 reactor
NT3 marble hill-1 reactor
NT3 marble hill-2 reactor
NT3 mc guire-1 reactor
NT3 mc guire-2 reactor
NT3 mh-1a reactor
NT3 midland-1 reactor
NT3 midland-2 reactor
NT3 mihama-1 reactor
NT3 mihama-2 reactor
NT3 mihama-3 reactor
NT3 millstone-2 reactor
NT3 millstone-3 reactor
NT3 muelheim-kaerlich reactor
NT3 mutsu reactor
NT3 neckar-1 reactor
NT3 neckar-2 reactor
NT3 nep-1 reactor
NT3 nep-2 reactor
NT3 neupotz-1 reactor
NT3 neupotz-2 reactor
NT3 nogent sur seine-1 reactor
NT3 nogent sur seine-2 reactor
NT3 north anna-1 reactor
NT3 north anna-2 reactor
NT3 north anna-3 reactor
NT3 north anna-4 reactor
NT3 north coast-1 reactor
NT3 obrigheim reactor
NT3 oconee-1 reactor
NT3 oconee-2 reactor
NT3 oconee-3 reactor
NT3 oi-1 reactor
NT3 oi-2 reactor
NT3 oi-3 reactor
NT3 oi-4 reactor
NT3 oktemberyan-2 reactor
NT3 otto hahn reactor
NT3 palisades-1 reactor
NT3 palo verde-1 reactor
NT3 palo verde-2 reactor
NT3 palo verde-3 reactor
NT3 palo verde-4 reactor
NT3 palo verde-5 reactor
NT3 paluel-1 reactor
NT3 paluel-2 reactor
NT3 paluel-3 reactor
NT3 paluel-4 reactor
NT3 pat reactor
NT3 pebble springs-1 reactor
NT3 pebble springs-2 reactor
NT3 penly-1 reactor
NT3 perkins-1 reactor
NT3 perkins-2 reactor
NT3 perkins-3 reactor
NT3 philippsburg-2 reactor
NT3 pilgrim-2 reactor
NT3 pilgrim-3 reactor
NT3 pm-2a reactor
NT3 pm-3a reactor
NT3 pnpp-1 reactor
NT3 point beach-1 reactor
NT3 point beach-2 reactor
NT3 prairie island-1 reactor
NT3 prairie island-2 reactor
NT3 qinshan-1 reactor
NT3 qinshan-2-1 reactor
NT3 qinshan-2-2 reactor
NT3 quanicassee-1 reactor
NT3 quanicassee-2 reactor
NT3 rancho seco-1 reactor
NT3 remerschen reactor
NT3 rheinsberg akw1 reactor
NT3 ringhals-2 reactor
NT3 ringhals-3 reactor
NT3 ringhals-4 reactor
NT3 robinson-2 reactor
NT3 rooppur reactor
NT3 rowe yankee reactor
NT3 s1c prototype reactor
NT3 saint alban-1 reactor
NT3 saint alban-2 reactor
NT3 saint laurent-b1 reactor
NT3 salem-1 reactor
NT3 salem-2 reactor
NT3 san onofre-1 reactor
NT3 san onofre-2 reactor
NT3 san onofre-3 reactor
NT3 savannah reactor
NT3 saxton reactor
NT3 seabrook-1 reactor
NT3 seabrook-2 reactor
NT3 selni reactor
NT3 sendai-1 reactor
NT3 sendai-2 reactor
NT3 sequoyah-1 reactor
NT3 sequoyah-2 reactor
NT3 shippingport reactor
NT3 sizewell-b reactor
NT3 sm-1 reactor
NT3 sm-1a reactor
NT3 south texas project-1 reactor
NT3 south texas project-2 reactor
NT3 stade reactor
NT3 sterling-1 reactor
NT3 sterling-2 reactor
NT3 summer-1 reactor
NT3 sundesert-1 reactor
NT3 sundesert-2 reactor
NT3 surry-1 reactor
NT3 surry-2 reactor
NT3 surry-3 reactor
NT3 surry-4 reactor
NT3 takahama-1 reactor
NT3 takahama-2 reactor
NT3 takahama-3 reactor
NT3 takahama-4 reactor
NT3 three mile island-1 reactor
NT3 three mile island-2 reactor
NT3 tihange reactor
NT3 tihange-2 reactor
NT3 tihange-3 reactor
NT3 tomari-1 reactor
NT3 tomari-2 reactor
NT3 tricastin-1 reactor
NT3 tricastin-4 reactor
NT3 trillo-1 reactor
NT3 trojan reactor
NT3 tsuruga-2 reactor
NT3 turkey point-3 reactor
NT3 turkey point-4 reactor
NT3 tva-1 reactor
NT3 tva-2 reactor
NT3 tyrone-1 reactor
NT3 tyrone-2 reactor
NT3 ulchin-1 reactor
NT3 ulchin-2 reactor
NT3 ulchin-3 reactor
NT3 ulchin-4 reactor
NT3 unterweser reactor
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NT3 vahnum-2 reactor
NT3 vandellos-2 reactor
NT3 vogtle-1 reactor
NT3 vogtle-2 reactor
NT3 vogtle-3 reactor
NT3 vogtle-4 reactor
NT3 waterford-3 reactor
NT3 waterford-4 reactor
NT3 watts bar-1 reactor
NT3 watts bar-2 reactor
NT3 westinghouse standard reactor
NT3 wnp-1 reactor
NT3 wnp-3 reactor
NT3 wnp-4 reactor
NT3 wnp-5 reactor
NT3 wolf creek-1 reactor
NT3 wup-3 reactor
NT3 wup-4 reactor
NT3 wup-5 reactor
NT3 wup-6 reactor
NT3 wwer type reactors
NT4 armenian-1 reactor
NT4 armenian-2 reactor
NT4 balakovo-1 reactor
NT4 balakovo-2 reactor
NT4 balakovo-3 reactor
NT4 balakovo-4 reactor
NT4 blahutovice-1 reactor
NT4 bohunice v-1 reactor
NT4 bohunice v-2 reactor
NT4 dukovany-1 reactor
NT4 dukovany-2 reactor
NT4 dukovany-3 reactor
NT4 dukovany-4 reactor
NT4 greifswald-1 reactor
NT4 greifswald-2 reactor
NT4 greifswald-3 reactor
NT4 greifswald-4 reactor

- **NT3** gravelines-c6 reactor
- **NT3** greene county reactor
- **NT3** greenwood-2 reactor
- **NT3** greenwood-3 reactor
- **NT3** grohnde reactor
- **NT3** hamm-uentrop reactor
- **NT3** harris-1 reactor
- **NT3** harris-2 reactor
- **NT3** harris-3 reactor
- **NT3** harris-4 reactor
- **NT3** haven-1 reactor
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- **NT3** haven-2 reactor
  - **NT4** koshkonong-2 reactor
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- **NT3** ikata-2 reactor
- **NT3** ikata-3 reactor
- **NT3** indian point-1 reactor
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- **NT3** indian point-3 reactor
- **NT3** iran-1 reactor
- **NT3** iran-2 reactor
- **NT3** isar-2 reactor
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- **NT3** lucie-2 reactor
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- **NT3** marble hill-1 reactor
- **NT3** marble hill-2 reactor
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- **NT3** mihama-3 reactor
- **NT3** millstone-2 reactor
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- **NT3** neupotz-2 reactor
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- **NT3** nogent sur seine-2 reactor
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- **NT3** north anna-3 reactor
- **NT3** north anna-4 reactor
- **NT3** north coast-1 reactor
- **NT3** obrigheim reactor
- **NT3** oconee-1 reactor
- **NT3** oconee-2 reactor
- **NT3** oconee-3 reactor
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- **NT3** oi-2 reactor
- **NT3** oi-3 reactor
- **NT3** oi-4 reactor
- **NT3** oktemberyan-2 reactor
- **NT3** otto hahn reactor
- **NT3** palisades-1 reactor
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- **NT3** pat reactor
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- **NT3** pebble springs-2 reactor
- **NT3** penly-1 reactor
- **NT3** perkins-1 reactor
- **NT3** perkins-2 reactor
- **NT3** perkins-3 reactor
- **NT3** philippsburg-2 reactor
- **NT3** pilgrim-2 reactor
- **NT3** pilgrim-3 reactor
- **NT3** pm-2a reactor
- **NT3** pm-3a reactor
- **NT3** pnpp-1 reactor
- **NT3** point beach-1 reactor
- **NT3** point beach-2 reactor
- **NT3** prairie island-1 reactor
- **NT3** prairie island-2 reactor
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- **NT3** qinshan-2-1 reactor
- **NT3** qinshan-2-2 reactor
- **NT3** quanicassee-1 reactor
- **NT3** quanicassee-2 reactor
- **NT3** rancho seco-1 reactor
- **NT3** remerschen reactor
- **NT3** rheinsberg akw1 reactor
- **NT3** ringhals-2 reactor
- **NT3** ringhals-3 reactor
- **NT3** ringhals-4 reactor
- **NT3** robinson-2 reactor
- **NT3** rooppur reactor
- **NT3** rowe yankee reactor
- **NT3** s1c prototype reactor
- **NT3** saint alban-1 reactor
- **NT3** saint alban-2 reactor
- **NT3** saint laurent-b1 reactor
- **NT3** salem-1 reactor
- **NT3** salem-2 reactor
- **NT3** san onofre-1 reactor
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- **NT3** san onofre-3 reactor
- **NT3** savannah reactor
- **NT3** saxton reactor
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- **NT3** seabrook-2 reactor
- **NT3** selni reactor
- **NT3** sendai-1 reactor
- **NT3** sendai-2 reactor
- **NT3** sequoyah-1 reactor
- **NT3** sequoyah-2 reactor
- **NT3** shippingport reactor
- **NT3** sizewell-b reactor
- **NT3** sm-1 reactor
- **NT3** sm-1a reactor
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- **NT3** south texas project-2 reactor
- **NT3** stade reactor
- **NT3** sterling-1 reactor
- **NT3** sterling-2 reactor
- **NT3** summer-1 reactor
- **NT3** sundesert-1 reactor
- **NT3** sundesert-2 reactor
- **NT3** surry-1 reactor
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- **NT3** surry-3 reactor
- **NT3** surry-4 reactor
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- **NT3** takahama-2 reactor
- **NT3** takahama-3 reactor
- **NT3** takahama-4 reactor
- **NT3** three mile island-1 reactor
- **NT3** three mile island-2 reactor
- **NT3** tihange reactor
- **NT3** tihange-2 reactor
- **NT3** tihange-3 reactor
- **NT3** tomari-1 reactor
- **NT3** tomari-2 reactor
- **NT3** tricastin-1 reactor
- **NT3** tricastin-4 reactor
- **NT3** trillo-1 reactor
- **NT3** trojan reactor
- **NT3** tsuruga-2 reactor
- **NT3** turkey point-3 reactor
- **NT3** turkey point-4 reactor
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- **NT3** tva-2 reactor
- **NT3** tyrone-1 reactor
- **NT3** tyrone-2 reactor
- **NT3** ulchin-1 reactor
- **NT3** ulchin-2 reactor
- **NT3** ulchin-3 reactor
- **NT3** ulchin-4 reactor
- **NT3** unterweser reactor
- **NT3** vahnum-1 reactor
- **NT3** vahnum-2 reactor
- **NT3** vandellos-2 reactor
- **NT3** vogtle-1 reactor
- **NT3** vogtle-2 reactor
- **NT3** vogtle-3 reactor
- **NT3** vogtle-4 reactor
- **NT3** waterford-3 reactor
- **NT3** waterford-4 reactor
- **NT3** watts bar-1 reactor
- **NT3** watts bar-2 reactor
- **NT3** westinghouse standard reactor
- **NT3** wnp-1 reactor
- **NT3** wnp-3 reactor
- **NT3** wnp-4 reactor
- **NT3** wnp-5 reactor
- **NT3** wolf creek-1 reactor
- **NT3** wup-3 reactor
- **NT3** wup-4 reactor
- **NT3** wup-5 reactor
- **NT3** wup-6 reactor
- **NT3** wwer type reactors
  - **NT4** armenian-1 reactor
  - **NT4** armenian-2 reactor
  - **NT4** balakovo-1 reactor
  - **NT4** balakovo-2 reactor
  - **NT4** balakovo-3 reactor
  - **NT4** balakovo-4 reactor
  - **NT4** blahutovice-1 reactor
  - **NT4** bohunice v-1 reactor
  - **NT4** bohunice v-2 reactor
  - **NT4** dukovany-1 reactor
  - **NT4** dukovany-2 reactor
  - **NT4** dukovany-3 reactor
  - **NT4** dukovany-4 reactor
  - **NT4** greifswald-1 reactor
  - **NT4** greifswald-2 reactor
  - **NT4** greifswald-3 reactor
  - **NT4** greifswald-4 reactor
  - **NT4** greifswald-5 reactor
  - **NT4** greifswald-6 reactor
  - **NT4** juragua-1 reactor
  - **NT4** kalinin-1 reactor
  - **NT4** kalinin-3 reactor
  - **NT4** kecerovce-1 reactor
  - **NT4** khmelnitskij-1 reactor
  - **NT4** kola-1 reactor
  - **NT4** kola-2 reactor
  - **NT4** kola-3 reactor
  - **NT4** kola-4 reactor
  - **NT4** kozloduy-1 reactor
  - **NT4** kozloduy-2 reactor
  - **NT4** kozloduy-3 reactor

NT3 garigliano reactor
NT3 garona reactor
NT3 ge standard reactor
NT3 graben-1 reactor
NT3 graben-2 reactor
NT3 grand gulf-1 reactor
NT3 grand gulf-2 reactor
NT3 gundremmingen-2 reactor
NT3 gundremmingen-3 reactor
NT3 hamaoka-1 reactor
NT3 hamaoka-2 reactor
NT3 hamaoka-3 reactor
NT3 hamaoka-4 reactor
NT3 hamaoka-5 reactor
NT3 hartsville-1 reactor
NT3 hartsville-2 reactor
NT3 hartsville-3 reactor
NT3 hartsville-4 reactor
NT3 hatch-1 reactor
NT3 hatch-2 reactor
NT3 hdr reactor
NT3 hope creek-1 reactor
NT4 newbold island-1 reactor
NT3 hope creek-2 reactor
NT4 newbold island-2 reactor
NT3 humboldt bay reactor
NT3 isar reactor
NT3 jpdr reactor
NT3 jpdr-2 reactor
NT3 kaiseraugst reactor
NT3 kashiwazaki-kariwa-1 reactor
NT3 kashiwazaki-kariwa-2 reactor
NT3 kashiwazaki-kariwa-3 reactor
NT3 kashiwazaki-kariwa-4 reactor
NT3 kashiwazaki-kariwa-5 reactor
NT3 kashiwazaki-kariwa-6 reactor
NT3 kashiwazaki-kariwa-7 reactor
NT3 kruemmel reactor
NT3 kuosheng-1 reactor
NT3 kuosheng-2 reactor
NT3 la salle county-1 reactor
NT3 la salle county-2 reactor
NT3 lacbwr reactor
NT3 laguna verde-1 reactor
NT3 laguna verde-2 reactor
NT3 leibstadt reactor
NT3 limerick-1 reactor
NT3 limerick-2 reactor
NT3 lingen reactor
NT3 mendocino-1 reactor
NT3 mendocino-2 reactor
NT3 millstone-1 reactor
NT3 montague-1 reactor
NT3 montague-2 reactor
NT3 montalto di castro-1 reactor
NT3 montalto di castro-2 reactor
NT3 monticello reactor
NT3 muehleberg reactor
NT3 nine mile point-1 reactor
NT3 nine mile point-2 reactor
NT3 okg-1 reactor
NT3 okg-2 reactor
NT3 olkiluoto-1 reactor
NT3 olkiluoto-2 reactor
NT3 onagawa-1 reactor
NT3 onagawa-2 reactor
NT3 onagawa-3 reactor
NT3 oyster creek-1 reactor
NT3 pathfinder reactor
NT3 peach bottom-2 reactor
NT3 peach bottom-3 reactor
NT3 perry-1 reactor
NT3 perry-2 reactor
NT3 philippsburg-1 reactor
NT3 phipps bend-1 reactor
NT3 phipps bend-2 reactor
NT3 pilgrim-1 reactor
NT3 quad cities-1 reactor
NT3 quad cities-2 reactor
NT3 ringhals-1 reactor
NT3 river bend-1 reactor
NT3 river bend-2 reactor
NT3 rwe-bayernwerk reactor
NT3 shika-1 reactor
NT3 shimane-1 reactor
NT3 shimane-2 reactor
NT3 shoreham reactor
NT3 skagit-1 reactor
NT3 skagit-2 reactor
NT3 sl-1 reactor
NT3 susquehanna-1 reactor
NT3 susquehanna-2 reactor
NT3 tarapur-1 reactor
NT3 tarapur-2 reactor
NT3 tokai-2 reactor
NT3 tsuruga reactor
NT3 tullnerfeld reactor
NT3 vak reactor
NT3 vbwr reactor
NT3 vermont yankee reactor
NT3 verplanck-1 reactor
NT3 verplanck-2 reactor
NT3 vk-50 reactor
NT3 wnp-2 reactor
NT4 hanford-2 reactor
NT3 wuergassen reactor
NT3 zimmer-1 reactor
NT3 zimmer-2 reactor
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NT2 etr reactor
NT2 evsr reactor
NT2 ewa reactor
NT2 ewg-1 reactor
NT2 gcre reactor
NT2 getr reactor
NT2 gharr-1 reactor
NT2 hclwr type reactors
NT2 hfetr reactor
NT2 hfir reactor
NT2 hfr reactor
NT2 igr reactor
NT2 janus reactor
NT2 jmtr reactor
NT2 juno reactor
NT2 kamini reactor
NT2 kuca reactor
NT2 kuhfr reactor
NT2 litr reactor
NT2 lwbr type reactors
NT2 lwor type reactors
NT2 maple reactor
NT2 maple type reactors
NT2 mir reactor
NT2 ml-1 reactor
NT2 mrr reactor
NT2 mtr reactor
NT2 murr reactor
NT2 netr reactor
NT2 nhr-5 reactor
NT2 nsrr reactor
NT2 ntr reactor
NT2 nuclear furnace reactor
NT2 orr reactor
NT2 osiris reactor
NT2 owr reactor
NT2 pbr reactor
NT2 pegase reactor
NT2 peggy reactor
NT2 perryman-1 reactor
NT2 perryman-2 reactor
NT2 pool type reactors
NT3 agata reactor
NT3 apsara reactor
NT3 armf-1 reactor
NT3 astra reactor
NT3 atrc reactor
NT3 avogadro rs-1 reactor
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NT3 bawtr reactor
NT3 ber-2 reactor
NT3 brr reactor
NT3 bsr-1 reactor
NT3 bsr-2 reactor
NT3 cabri reactor
NT3 consort-2 reactor
NT3 cp-6 reactor
NT3 crocus reactor
NT3 democritus reactor
NT3 dr-2 reactor
NT3 etrc reactor
NT3 etrr-2 reactor
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NT3 fnr reactor
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NT3 frg-2 reactor
NT3 frj-1 reactor
NT3 frm reactor
NT3 frn reactor
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NT3 gtr reactor
NT3 gulf triga-mk-3 reactor
NT3 hanaro reactor
NT3 herald reactor
NT3 hor reactor
NT3 horace reactor
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NT3 iear-1 reactor
NT3 irl reactor
NT3 irr-1 reactor
NT3 irt reactor
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NT3 irt-2000 moscow reactor
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NT3 irt-f reactor
NT3 irt-sofia reactor
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NT3 jen-2 reactor
NT3 jrr-3m reactor
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NT3 lido reactor
NT3 lo aguirre rech-2 reactor
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NT3 ltir reactor
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NT3 nscr reactor
NT3 osur reactor
NT3 parr reactor
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NT3 pik reactor
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NT3 pstr reactor
NT3 ptr reactor
NT3 pulstar-buffalo reactor
NT3 pulstar-raleigh reactor
NT3 r2-0 reactor
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NT3 ra-8 reactor
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NT3 rinsc reactor
NT3 ritmo reactor
NT3 rp-10 reactor
NT3 rts-1 reactor

NT3 rv-1 reactor
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NT3 scarabee reactor
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NT3 siloette reactor
NT3 slowpoke type reactors
NT4 slowpoke-alberta reactor
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NT4 slowpoke-montreal reactor
NT4 slowpoke-ottawa reactor
NT4 slowpoke-toronto reactor
NT4 slowpoke-wnre reactor
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NT3 stir reactor
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NT3 beaver valley-2 reactor
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NT3 belleville sur loire-2 reactor
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NT3 beznau-2 reactor
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NT3 blue hills-2 reactor
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NT3 br-3 reactor
NT3 braidwood-1 reactor
NT3 braidwood-2 reactor
NT3 brokdorf reactor
NT3 bugey-2 reactor
NT3 bugey-3 reactor
NT3 bugey-4 reactor
NT3 bugey-5 reactor
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NT3 byron-2 reactor
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NT3 calhoun-2 reactor
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NT3 callaway-2 reactor
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NT3 calvert cliffs-2 reactor
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NT3 catawba-2 reactor
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NT3 cattenom-4 reactor
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NT3 cherokee-2 reactor
NT3 cherokee-3 reactor
NT3 chinon-b1 reactor
NT3 comanche peak-1 reactor
NT3 comanche peak-2 reactor
NT3 connecticut yankee reactor
NT3 cook-1 reactor
NT3 cook-2 reactor
NT3 cruas-2 reactor
NT3 cruas-3 reactor
NT3 cruas-4 reactor
NT3 crystal river-3 reactor
NT3 crystal river-4 reactor
NT3 dampierre-1 reactor
NT3 dampierre-2 reactor
NT3 dampierre-3 reactor
NT3 dampierre-4 reactor
NT3 davis besse-1 reactor
NT3 davis besse-2 reactor
NT3 davis besse-3 reactor
NT3 daya bay-1 reactor
NT3 daya bay-2 reactor
NT3 diablo canyon-1 reactor
NT3 diablo canyon-2 reactor
NT3 doel-1 reactor
NT3 doel-2 reactor
NT3 doel-3 reactor
NT3 doel-4 reactor
NT3 efdr-50 reactor
NT3 emsland reactor
NT3 erie-1 reactor
NT3 erie-2 reactor
NT3 farley-1 reactor
NT3 farley-2 reactor
NT3 fessenheim-1 reactor
NT3 flamanville-1 reactor
NT3 flamanville-2 reactor
NT3 forked river-1 reactor
NT3 genkai-1 reactor
NT3 genkai-2 reactor
NT3 genkai-3 reactor
NT3 genkai-4 reactor
NT3 ginna-1 reactor
NT3 goesgen reactor
NT3 golfech-1 reactor
NT3 golfech-2 reactor
NT3 grafenrheinfeld reactor
NT3 gravelines-b1 reactor
NT3 gravelines-c6 reactor
NT3 greene county reactor
NT3 greenwood-2 reactor
NT3 greenwood-3 reactor
NT3 grohnde reactor
NT3 hamm-uentrop reactor
NT3 harris-1 reactor
NT3 harris-2 reactor
NT3 harris-3 reactor
NT3 harris-4 reactor
NT3 haven-1 reactor
NT4 koshkonong-1 reactor
NT3 haven-2 reactor
NT4 koshkonong-2 reactor
NT3 ikata reactor
NT3 ikata-2 reactor
NT3 ikata-3 reactor
NT3 indian point-1 reactor
NT3 indian point-2 reactor
NT3 indian point-3 reactor
NT3 iran-1 reactor
NT3 iran-2 reactor
NT3 isar-2 reactor
NT3 jamesport-1 reactor
NT3 jamesport-2 reactor
NT3 kewaunee reactor
NT3 koeberg-1 reactor
NT3 koeberg-2 reactor
NT3 kori-1 reactor
NT3 kori-2 reactor
NT3 kori-3 reactor
NT3 kori-4 reactor
NT3 krsko reactor
NT3 lemoniz-1 reactor
NT3 lemoniz-2 reactor
NT3 lenin reactor
NT3 leonid brezhnev reactor
NT3 lingao-1 reactor
NT3 lingao-2 reactor
NT3 loft reactor
NT3 lucie-1 reactor
NT3 lucie-2 reactor
NT3 maanshan-1 reactor
NT3 maine yankee reactor
NT3 malibu-1 reactor
NT3 marble hill-1 reactor
NT3 marble hill-2 reactor
NT3 mc guire-1 reactor
NT3 mc guire-2 reactor
NT3 mh-1a reactor
NT3 midland-1 reactor
NT3 midland-2 reactor
NT3 mihama-1 reactor
NT3 mihama-2 reactor
NT3 mihama-3 reactor
NT3 millstone-2 reactor
NT3 millstone-3 reactor
NT3 muelheim-kaerlich reactor
NT3 mutsu reactor
NT3 neckar-1 reactor
NT3 neckar-2 reactor
NT3 nep-1 reactor
NT3 nep-2 reactor
NT3 neupotz-1 reactor
NT3 neupotz-2 reactor
NT3 nogent sur seine-1 reactor
NT3 nogent sur seine-2 reactor
NT3 north anna-1 reactor
NT3 north anna-2 reactor
NT3 north anna-3 reactor
NT3 north anna-4 reactor
NT3 north coast-1 reactor
NT3 obrigheim reactor
NT3 oconee-1 reactor
NT3 oconee-2 reactor
NT3 oconee-3 reactor
NT3 oi-1 reactor
NT3 oi-2 reactor
NT3 oi-3 reactor
NT3 oi-4 reactor
NT3 oktemberyan-2 reactor
NT3 otto hahn reactor
NT3 palisades-1 reactor
NT3 palo verde-1 reactor
NT3 palo verde-2 reactor
NT3 palo verde-3 reactor
NT3 palo verde-4 reactor
NT3 palo verde-5 reactor
NT3 paluel-1 reactor
NT3 paluel-2 reactor
NT3 paluel-3 reactor
NT3 paluel-4 reactor
NT3 pat reactor
NT3 pebble springs-1 reactor
NT3 pebble springs-2 reactor

NT3 penly-1 reactor
NT3 perkins-1 reactor
NT3 perkins-2 reactor
NT3 perkins-3 reactor
NT3 philippsburg-2 reactor
NT3 pilgrim-2 reactor
NT3 pilgrim-3 reactor
NT3 pm-2a reactor
NT3 pm-3a reactor
NT3 pnpp-1 reactor
NT3 point beach-1 reactor
NT3 point beach-2 reactor
NT3 prairie island-1 reactor
NT3 prairie island-2 reactor
NT3 qinshan-1 reactor
NT3 qinshan-2-1 reactor
NT3 qinshan-2-2 reactor
NT3 quanicassee-1 reactor
NT3 quanicassee-2 reactor
NT3 rancho seco-1 reactor
NT3 remerschen reactor
NT3 rheinsberg akw1 reactor
NT3 ringhals-2 reactor
NT3 ringhals-3 reactor
NT3 ringhals-4 reactor
NT3 robinson-2 reactor
NT3 rooppur reactor
NT3 rowe yankee reactor
NT3 s1c prototype reactor
NT3 saint alban-1 reactor
NT3 saint alban-2 reactor
NT3 saint laurent-b1 reactor
NT3 salem-1 reactor
NT3 salem-2 reactor
NT3 san onofre-1 reactor
NT3 san onofre-2 reactor
NT3 san onofre-3 reactor
NT3 savannah reactor
NT3 saxton reactor
NT3 seabrook-1 reactor
NT3 seabrook-2 reactor
NT3 selni reactor
NT3 sendai-1 reactor
NT3 sendai-2 reactor
NT3 sequoyah-1 reactor
NT3 sequoyah-2 reactor
NT3 shippingport reactor
NT3 sizewell-b reactor
NT3 sm-1 reactor
NT3 sm-1a reactor
NT3 south texas project-1 reactor
NT3 south texas project-2 reactor
NT3 stade reactor
NT3 sterling-1 reactor
NT3 sterling-2 reactor
NT3 summer-1 reactor
NT3 sundesert-1 reactor
NT3 sundesert-2 reactor
NT3 surry-1 reactor
NT3 surry-2 reactor
NT3 surry-3 reactor
NT3 surry-4 reactor
NT3 takahama-1 reactor
NT3 takahama-2 reactor
NT3 takahama-3 reactor
NT3 takahama-4 reactor
NT3 three mile island-1 reactor
NT3 three mile island-2 reactor
NT3 tihange reactor
NT3 tihange-2 reactor
NT3 tihange-3 reactor
NT3 tomari-1 reactor
NT3 tomari-2 reactor
NT3 tricastin-1 reactor
NT3 tricastin-4 reactor
NT3 trillo-1 reactor
NT3 trojan reactor
NT3 tsuruga-2 reactor
NT3 turkey point-3 reactor
NT3 turkey point-4 reactor
NT3 tva-1 reactor
NT3 tva-2 reactor
NT3 tyrone-1 reactor
NT3 tyrone-2 reactor
NT3 ulchin-1 reactor
NT3 ulchin-2 reactor
NT3 ulchin-3 reactor
NT3 ulchin-4 reactor
NT3 unterweser reactor
NT3 vahnum-1 reactor
NT3 vahnum-2 reactor
NT3 vandellos-2 reactor
NT3 vogtle-1 reactor
NT3 vogtle-2 reactor
NT3 vogtle-3 reactor
NT3 vogtle-4 reactor
NT3 waterford-3 reactor
NT3 waterford-4 reactor
NT3 watts bar-1 reactor
NT3 watts bar-2 reactor
NT3 westinghouse standard reactor
NT3 wnp-1 reactor
NT3 wnp-3 reactor
NT3 wnp-4 reactor
NT3 wnp-5 reactor
NT3 wolf creek-1 reactor
NT3 wup-3 reactor
NT3 wup-4 reactor
NT3 wup-5 reactor
NT3 wup-6 reactor
NT3 wwer type reactors
NT4 armenian-1 reactor
NT4 armenian-2 reactor
NT4 balakovo-1 reactor
NT4 balakovo-2 reactor
NT4 balakovo-3 reactor
NT4 balakovo-4 reactor
NT4 blahutovice-1 reactor
NT4 bohunice v-1 reactor
NT4 bohunice v-2 reactor
NT4 dukovany-1 reactor
NT4 dukovany-2 reactor
NT4 dukovany-3 reactor
NT4 dukovany-4 reactor
NT4 greifswald-1 reactor
NT4 greifswald-2 reactor
NT4 greifswald-3 reactor
NT4 greifswald-4 reactor
NT4 greifswald-5 reactor
NT4 greifswald-6 reactor
NT4 juragua-1 reactor
NT4 kalinin-1 reactor
NT4 kalinin-3 reactor
NT4 kecerovce-1 reactor
NT4 khmelnitskij-1 reactor
NT4 kola-1 reactor
NT4 kola-2 reactor
NT4 kola-3 reactor
NT4 kola-4 reactor
NT4 kozloduy-1 reactor
NT4 kozloduy-2 reactor
NT4 kozloduy-3 reactor
NT4 kozloduy-4 reactor
NT4 kozloduy-5 reactor
NT4 kozloduy-6 reactor
NT4 loviisa-1 reactor
NT4 loviisa-2 reactor
NT4 mochovce-1 reactor
NT4 mochovce-2 reactor
NT4 novovoronezh-1 reactor
NT4 novovoronezh-2 reactor
NT4 novovoronezh-3 reactor
NT4 novovoronezh-4 reactor
NT4 novovoronezh-5 reactor
NT4 paks-1 reactor
NT4 paks-2 reactor
NT4 paks-3 reactor
NT4 paks-4 reactor
NT4 rovno-1 reactor
NT4 rovno-2 reactor
NT4 rovno-3 reactor
NT4 rovno-4 reactor
NT4 rovno-5 reactor
NT4 south ukrainian-1 reactor
NT4 south ukrainian-2 reactor
NT4 south ukrainian-3 reactor
NT4 stendal-1 reactor
NT4 tatarian reactor
NT4 temelin-1 reactor
NT4 temelin-2 reactor
NT4 tianwan-1 reactor
NT4 zaporozhe-1 reactor
NT4 zaporozhe-2 reactor
NT4 zaporozhe-3 reactor
NT4 zaporozhe-4 reactor
NT4 zaporozhe-5 reactor
NT4 zaporozhe-6 reactor
NT3 wyhl-1 reactor
NT3 wyhl-2 reactor
NT3 yellow creek-1 reactor
NT3 yellow creek-2 reactor
NT3 yonggwang-1 reactor
NT3 yonggwang-2 reactor
NT3 yonggwang-3 reactor
NT3 yonggwang-4 reactor
NT3 zion-1 reactor
NT3 zion-2 reactor
NT3 zorita-1 reactor
NT2 r-2 reactor
NT2 ra-5 reactor
NT2 rake-2 reactor
NT2 rg-1m reactor
NT2 safari-1 reactor
NT2 sm-2 reactor
NT2 spert-1 reactor
NT2 spert-2 reactor
NT2 spert-3 reactor
NT2 sr-1 reactor
NT2 sr-oa reactor
NT2 tca reactor
NT2 triga type reactors
NT3 afrri reactor
NT3 atpr reactor
NT3 colorado triga-mk-3 reactor
NT3 cornell triga-mk-2 reactor
NT3 dow triga-mk-1 reactor
NT3 fir-1 reactor
NT3 frf-2 reactor
NT3 frn reactor
NT3 gulf triga-mk-3 reactor
NT3 kartini-ppny reactor
NT3 lopra reactor
NT3 nscr reactor
NT3 ostr reactor
NT3 prpr reactor
NT3 pstr reactor
NT3 rtp reactor
NT3 trico reactor
NT3 triga-1-arizona reactor
NT3 triga-1-california reactor
NT3 triga-1-hanford reactor
NT3 triga-1-hanover reactor
NT3 triga-1-heidelberg reactor
NT3 triga-1-michigan reactor
NT3 triga-2 reactor
NT3 triga-2-bandung reactor
NT3 triga-2-bangladesh reactor
NT3 triga-2-dalat reactor
NT3 triga-2-illinois reactor
NT3 triga-2-kansas reactor
NT3 triga-2-ljubljana reactor
NT3 triga-2-mainz reactor
NT3 triga-2-musashi reactor
NT3 triga-2-pavia reactor
NT3 triga-2-pitesti reactor
NT3 triga-2-rikkyo reactor
NT3 triga-2-rome reactor

NT3 triga-2-seoul reactor
NT3 triga-2-vienna reactor
NT3 triga-3-la jolla reactor
NT3 triga-3-munich reactor
NT3 triga-3-salazar reactor
NT3 triga-3-seoul reactor
NT3 triga-brazil reactor
NT3 triga-texas reactor
NT3 triga-veterans reactor
NT3 ucbrr reactor
NT3 uwnr reactor
NT3 wsur reactor
NT2 tsr-2 reactor
NT2 twmr reactor
NT2 venus reactor
NT2 voronezh ast-500 reactor
NT2 wntr reactor
NT2 wtr reactor
NT2 wwr type reactors
NT3 budapest training reactor
NT3 irt-baghdad reactor
NT3 lvr-15 reactor
NT3 wwr-2 reactor
NT3 wwr-k-almaty reactor
NT3 wwr-m-kiev reactor
NT3 wwr-m-leningrad reactor
NT3 wwr-s-bucharest reactor
NT3 wwr-s-budapest reactor
NT3 wwr-s-cairo reactor
NT3 wwr-s-moscow reactor
NT3 wwr-s-prague reactor
NT3 wwr-s-tashkent reactor
NT3 wwr-sm rossendorf reactor
NT3 wwr-z reactor
NT2 zlfr reactor
RT criticality
RT excursions
RT fission
RT fission products
RT fuel elements
RT hybrid reactors
RT natural nuclear reactors
RT nuclear engineering
RT nuclear fuels
RT reactor safety
RT reactor technology
RT spent fuels

READOUT SYSTEMS

RT data acquisition systems
RT recording systems

REAGENTS

NT1 1-nitroso-2-naphthol
NT1 acetylacetone
NT1 alizarin
NT1 arsenazo
NT1 bromosulfophthalein
NT1 cupferron
NT1 dimethylglyoxime
NT1 dithiols
NT2 bal
NT2 unithiol
NT1 dithizone
NT1 evans blue
NT1 ferroin
NT1 ferron
NT1 morin
NT1 phenanthroline-ortho
NT1 pyridylazoresorcinol
NT1 rhodamines
NT1 rhodizonic acid
NT1 rose bengal
NT1 sensitizers
NT1 starch
NT1 thionalide
NT1 thorin
NT1 tiron
RT reducing agents

REAKTORSICHERHEITSKOMMISSION

INIS: Jan 1978; ETDE: Mar 1978
*BT1 german fr organizations

REAL TIME SYSTEMS

NT1 mwd systems
RT analog systems
RT computer architecture
RT computer networks
RT computers
RT control systems
RT on-line control systems
RT on-line systems
RT process computers
RT transfer functions

REARING

NT1 mass rearing
RT animal growth
RT diet
RT domestic animals
RT insects
RT nutrition

reattore bologna-1

Use rb-1 reactor

reattore bologna-2

Use rb-2 reactor

reattore bologna-3

Use rb-3 reactor

reattore casaccia-1

Use triga-2-rome reactor

reattore casaccia-4

Use ritmo reactor

reattore organico sperimentale potenza zero

Use rospo reactor

RECEIPTS

INIS: Apr 2000; ETDE: Aug 1980
RT fuel supplies
RT trade

receivers (solar)

Use solar receivers

RECEPTORS

INIS: Apr 1978; ETDE: Jul 1978
*BT1 membrane proteins
RT biochemistry
RT bioelectricity
RT calmodulin
RT central nervous system
RT endocrine glands
RT enzymes
RT hippocampus
RT hormones
RT immunity
RT nerve cells
RT radioreceptor assay
RT sense organs
RT tamoxifen

RECESSIVE MUTATIONS

BT1 mutations

recharge

See groundwater recharge

reciprocal translocations

Use chromosomal aberrations

RECIPROCAL V LAW

UF *1/v law*
RT cross sections

reclamation

See land reclamation

recoil chemistry

Use hot atom chemistry

recoil distance method

Use charge plunger method

RECOILLESS FRACTION

INIS: Apr 2000; ETDE: Jan 1975
RT moessbauer effect

RECOILS

RT chemical state
RT delta rays
RT fission
RT hot atom chemistry
RT knock-on
RT knock-out reactions
RT moessbauer effect
RT proton detection
RT proton recoil detectors
RT radiation effects

RECOMBINANT DNA

INIS: Jul 1984; ETDE: Apr 1981
*BT1 dna
RT biotechnology
RT crossing-over
RT dna hybridization
RT gene amplification
RT gene mutations
RT gene recombination
RT oligonucleotides

RECOMBINATION

(Of electrons, holes, ions, radicals or atoms.)
UF *neutralization (physical)*
RT electron capture
RT radiation chemistry

recombination (genetic)

Use gene recombination

RECOMBINERS

RT reactor cooling systems
RT water

RECOMMENDATIONS

UF *guidelines*
UF *radiation protection guides*
RT agreements
RT compliance
RT iaea
RT icrp
RT icru
RT implementation
RT inspection
RT iso
RT legal aspects
RT licensing
RT manuals
RT radiation protection
RT reference man
RT regulations
RT regulatory guides
RT research programs
RT safety standards
RT solas convention

recorded information

See data

RECORDING SYSTEMS

RT counting techniques
RT data acquisition
RT data acquisition systems
RT data processing
RT electrocardiograms
RT electronic equipment

RT measuring instruments
RT readout systems

RECORDS MANAGEMENT
INIS: Apr 1992; ETDE: Nov 1983
BT1 management
RT information

records retrieval
Use information retrieval

recovery
See biological recovery
OR energy recovery
OR enhanced recovery
OR materials recovery
OR primary recovery
OR seed recovery
OR tritium recovery

recovery (biological)
Use biological recovery

recovery (tritium)
Use tritium recovery

RECREATIONAL AREAS
INIS: Sep 1985; ETDE: Jun 1977
SF *parks*
RT aesthetics
RT environment
RT land use
RT public lands
RT recreational vehicles
RT tourism

RECREATIONAL VEHICLES
INIS: Apr 2000; ETDE: Jul 1979
BT1 vehicles
RT motorboats
RT occupants
RT recreational areas

RECRYSTALLIZATION
RT annealing
RT crystallization
RT grain growth
RT heat treatments

RECTAL ADMINISTRATION
INIS: Oct 1975; ETDE: Aug 1976
BT1 intake
RT intestinal absorption
RT uptake

RECTANGULAR CONFIGURATION
BT1 configuration
NT1 square configuration
RT plates

RECTENNAS
INIS: Apr 2000; ETDE: Feb 1975
(A device that converts microwave energy into direct current.)
*BT1 antennas
RT microwave power transmission

RECTIFIER TUBES
(Prior to June 1996 CAPACITRONS was a valid ETDE descriptor.)
UF *capacitrons*
BT1 electron tubes
*BT1 rectifiers
NT1 ignitrons
RT thyratrons

RECTIFIERS
*BT1 electrical equipment
NT1 rectifier tubes
NT2 ignitrons
NT1 semiconductor rectifiers
RT dc to dc converters
RT thyristors

RECTISOL PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process using methanol as solvent for removal of carbon dioxide, hydrogen sulfide, ammonia, HCN, gum formers, higher hydrocarbons, and other impurities from crude gas produced by coal gasification for syngas or sng manufacture; removal of hydrogen sulfide, COS and carbon dioxide from reformed gas, in particular from gas produced by partial oxidation of hydrocarbons, to yield synthesis gas; and integration of gas purification with low-temperature plants (liquefaction and fractionation) for removal of moderate contents of acidic components.)
*BT1 desulfurization
RT sasol-ii process

RECTUM
*BT1 large intestine
RT feces
RT pelvis
RT proctitis

recurrence relations
Use recursion relations

RECURSION RELATIONS
UF *recurrence relations*
RT differential equations
RT functions

recycle (nuclear fuel)
Use fuel cycle

RECYCLING
INIS: May 1981; ETDE: Nov 1975
RT energy conservation
RT materials handling
RT materials recovery
RT resource conservation
RT scrap
RT thermonuclear fuels
RT waste oil refineries
RT waste oils
RT waste processing
RT wastes

recycling (nuclear fuel)
Use reprocessing

RED DWARF STARS
*BT1 dwarf stars

RED GIANT STARS
*BT1 giant stars
RT helium burning

red level-3 reactor
Use crystal river-3 reactor

red level-4 reactor
Use crystal river-4 reactor

red peppers
Use peppers

RED SEA
*BT1 seas
NT1 gulf of suez
RT egyptian arab republic
RT sudan

RED SHIFT
RT astrophysics
RT cosmology
RT doppler effect
RT einstein effect
RT hubble effect

red wing prairie island-1 reactor
Use prairie island-1 reactor

red wing prairie island-2 reactor
Use prairie island-2 reactor

redmud event
Use nuclear explosions
AND underground explosions

REDOX FUEL CELLS
INIS: May 1992; ETDE: Aug 1975
*BT1 regenerative fuel cells
RT off-peak energy storage

REDOX POTENTIAL
UF *eh*
RT oxidation
RT potentiometry
RT reduction
RT valence

REDOX PROCESS
*BT1 reprocessing
RT ascorbic acid
RT coenzymes
RT cytochromes
RT oxidoreductases
RT solvent extraction

REDOX REACTIONS
INIS: Jan 1992; ETDE: May 1975
BT1 chemical reactions
RT hydroaromatics
RT oxidation
RT reduction

reduced nicotinamide-adenine dinucleotide
Use nadh2

REDUCING AGENTS
INIS: Nov 1980; ETDE: Sep 1976
RT reagents
RT reduction

reductases
Use oxidoreductases

REDUCTION
(For chemical reactions only; for size or volume change, see COMPRESSION, SHRINKAGE, or CONTRACTION.)
UF *deoxidation*
UF+ *disproportionation*
BT1 chemical reactions
NT1 bomb reduction
NT1 selective catalytic reduction
NT1 thermite process
RT jones reductor
RT kroll process
RT methanation
RT oxidation
RT oxidoreductases
RT pyrometallurgy
RT redox potential
RT redox reactions
RT reducing agents

REDUCTIVE EXTRACTION
*BT1 extraction
RT molten salt reactors

reductive perturbation method
Use perturbation theory

REDWING PROJECT
UF *project redwing*
RT atmospheric explosions
RT bikini

RT nuclear explosions
RT nuclear weapons
RT surface explosions

REEDS
INIS: Dec 1991; ETDE: Jan 1986
*BT1 gramineae
NT1 sugar cane

REEFS
INIS: Jun 1992; ETDE: Apr 1980
(Chains of rocks or sand near the surface of water.)
BT1 geologic structures
RT rocks
RT sand
RT seas

REENTRY
UF *re-entry*
RT ablation
RT aerodynamics
RT missiles
RT parachutes
RT plasma sheath
RT rockets
RT space flight
RT space vehicles

REENTRY VEHICLES
INIS: Mar 1993; ETDE: Dec 1975
*BT1 space vehicles
RT flight testing
RT missiles

REFERENCE MAN
UF *standard man*
RT adults
RT icrp
RT man
RT radiation protection
RT recommendations

reference materials (bio mark)
Use biological markers

reference materials (standard)
Use calibration standards

REFERENCE THETA PINCH REACTOR
*BT1 pulsed d-t reactors
RT theta pinch
RT toroidal theta pinch devices

refinement (grain)
Use grain refinement

refiner-marketers
Use marketers

REFINERY GASES
INIS: Apr 2000; ETDE: Jan 1976
(Boiling point range -160 to 0 degrees C.)
UF *still gas*
*BT1 gases
*BT1 petroleum fractions
BT1 petroleum products
RT fuel gas
RT natural gas
RT petroleum refineries

REFINING
UF *aurabon process*
BT1 processing
NT1 electrorefining
NT1 gulf hds process
NT1 zone refining
RT catalytic reforming
RT chloride volatility process
RT dewaxing
RT enrichment
RT extractive metallurgy
RT fluoride volatility process
RT ore processing
RT petroleum products
RT purification
RT separation processes
RT sublimation

reflectance (spectral)
Use spectral reflectance

REFLECTION
NT1 bragg reflection
NT1 optical reflection
RT albedo
RT backscattering
RT electrostatic mirrors
RT greenhouse effect
RT incidence angle
RT mirrors
RT parabolic reflectors

REFLECTIVE COATINGS
INIS: Jan 1985; ETDE: Feb 1979
BT1 coatings
RT antireflection coatings
RT heat mirrors
RT optical properties
RT solar control films

REFLECTIVITY
INIS: Feb 1992; ETDE: Jan 1975
*BT1 optical properties
BT1 surface properties
RT scanning light microscopy
RT spectral reflectance
RT visible radiation

REFLECTOR SAVINGS
(A measure of the decrease in the critical size of a reactor as a consequence of the reflector.)
RT configuration control
RT critical mass
RT critical size
RT criticality
RT neutron reflectors

reflectors (neutron)
Use neutron reflectors

reflex switches
Use plasma switches

REFLEXES
NT1 conditioned reflexes
RT behavior
RT nerves
RT nervous system
RT sense organs
RT spinal cord

REFORMER PROCESSES
INIS: Apr 2000; ETDE: Aug 1975
BT1 chemical reactions
NT1 autothermal reformer processes
NT1 catalytic reforming
NT1 steam reformer processes
RT hydrogen production

refractaloy
Use chromium alloys
AND iron alloys
AND molybdenum alloys
AND nickel alloys

REFRACTION
NT1 birefringence
RT fresnel coefficient
RT incidence angle
RT optical dispersion
RT optical properties
RT refractive index
RT schlieren method
RT wave propagation

REFRACTIVE INDEX
INIS: May 1976; ETDE: Aug 1991
UF *index of refraction*
UF *refractivity*
*BT1 optical properties
RT fresnel coefficient
RT optical dispersion
RT refraction
RT wave propagation

refractivity
Use refractive index

REFRACTORIES
RT ablation
RT asbestos
RT ceramics
RT cermets
RT graphite
RT heat resistant materials
RT heat resisting alloys
RT refractory metals

refractory alloys
Use heat resisting alloys

REFRACTORY METAL COMPOUNDS
INIS: Apr 2000; ETDE: Nov 1984
NT1 hafnium compounds
NT2 hafnates
NT2 hafnium arsenides
NT2 hafnium borides
NT2 hafnium bromides
NT2 hafnium carbides
NT2 hafnium chlorides
NT2 hafnium fluorides
NT2 hafnium hydrides
NT2 hafnium hydroxides
NT2 hafnium iodides
NT2 hafnium nitrates
NT2 hafnium nitrides
NT2 hafnium oxides
NT2 hafnium perchlorates
NT2 hafnium phosphates
NT2 hafnium phosphides
NT2 hafnium selenides
NT2 hafnium silicates
NT2 hafnium silicides
NT2 hafnium sulfates
NT2 hafnium sulfides
NT2 hafnium tellurides
NT1 iridium compounds
NT2 iridium borides
NT2 iridium carbides
NT2 iridium chlorides
NT2 iridium fluorides
NT2 iridium hydrides
NT2 iridium oxides
NT2 iridium silicides
NT2 iridium sulfates
NT2 iridium tellurides
NT1 molybdenum compounds
NT2 molybdates
NT2 molybdenum arsenides
NT2 molybdenum borides
NT2 molybdenum bromides
NT2 molybdenum carbides
NT2 molybdenum carbonates
NT2 molybdenum chlorides
NT2 molybdenum fluorides
NT2 molybdenum hydrides
NT2 molybdenum hydroxides
NT2 molybdenum iodides
NT2 molybdenum nitrides

NT2 molybdenum oxides
NT3 molybdenum blue
NT2 molybdenum phosphates
NT2 molybdenum phosphides
NT2 molybdenum selenides
NT2 molybdenum silicates
NT2 molybdenum silicides
NT2 molybdenum sulfates
NT2 molybdenum sulfides
NT2 molybdenum tellurides
NT2 molybdic acid
NT2 molybdophosphates
NT2 molybdophosphoric acid
NT1 niobium compounds
NT2 niobates
NT2 niobium arsenides
NT2 niobium borides
NT2 niobium bromides
NT2 niobium carbides
NT2 niobium chlorides
NT2 niobium fluorides
NT2 niobium hydrides
NT2 niobium hydroxides
NT2 niobium iodides
NT2 niobium nitrates
NT2 niobium nitrides
NT2 niobium oxides
NT2 niobium phosphates
NT2 niobium phosphides
NT2 niobium selenides
NT2 niobium silicates
NT2 niobium silicides
NT2 niobium sulfates
NT2 niobium sulfides
NT2 niobium tellurides
NT1 osmium compounds
NT2 osmium borides
NT2 osmium carbides
NT2 osmium chlorides
NT2 osmium fluorides
NT2 osmium oxides
NT2 osmium phosphides
NT2 osmium sulfides
NT1 rhenium compounds
NT2 perrhenates
NT2 rhenates
NT2 rhenium borides
NT2 rhenium carbides
NT2 rhenium carbonates
NT2 rhenium halides
NT3 rhenium bromides
NT3 rhenium chlorides
NT3 rhenium fluorides
NT3 rhenium iodides
NT2 rhenium hydrides
NT2 rhenium nitrides
NT2 rhenium oxides
NT2 rhenium selenides
NT2 rhenium silicides
NT2 rhenium sulfates
NT2 rhenium sulfides
NT2 rhenium tellurides
NT1 rhodium compounds
NT2 rhodium borides
NT2 rhodium bromides
NT2 rhodium carbides
NT2 rhodium chlorides
NT2 rhodium fluorides
NT2 rhodium hydrides
NT2 rhodium oxides
NT2 rhodium phosphides
NT2 rhodium selenides
NT2 rhodium silicides
NT2 rhodium sulfides
NT2 rhodium tellurides
NT1 ruthenium compounds
NT2 ruthenium arsenides
NT2 ruthenium borides
NT2 ruthenium bromides
NT2 ruthenium carbides
NT2 ruthenium chlorides
NT2 ruthenium fluorides
NT2 ruthenium hydrides
NT2 ruthenium hydroxides
NT2 ruthenium nitrates
NT2 ruthenium nitrides
NT2 ruthenium nitrosyls
NT2 ruthenium oxides
NT2 ruthenium phosphides
NT2 ruthenium selenides
NT2 ruthenium silicides
NT2 ruthenium sulfates
NT2 ruthenium sulfides
NT2 ruthenium tellurides
NT1 tantalum compounds
NT2 tantalates
NT2 tantalum borides
NT2 tantalum bromides
NT2 tantalum carbides
NT2 tantalum chlorides
NT2 tantalum fluorides
NT2 tantalum hydrides
NT2 tantalum hydroxides
NT2 tantalum iodides
NT2 tantalum nitrides
NT2 tantalum oxides
NT2 tantalum phosphates
NT2 tantalum phosphides
NT2 tantalum selenides
NT2 tantalum silicates
NT2 tantalum silicides
NT2 tantalum sulfates
NT2 tantalum sulfides
NT2 tantalum tellurides
NT2 tantalum tungstates
NT1 technetium compounds
NT2 pertechnetates
NT2 technetates
NT2 technetium bromides
NT2 technetium carbides
NT2 technetium chlorides
NT2 technetium fluorides
NT2 technetium hydrides
NT2 technetium iodides
NT2 technetium oxides
NT2 technetium phosphates
NT2 technetium selenides
NT2 technetium sulfides
NT1 tungsten compounds
NT2 tungstates
NT3 aluminium tungstates
NT3 ammonium tungstates
NT3 barium tungstates
NT3 bismuth tungstates
NT3 cadmium tungstates
NT3 calcium tungstates
NT3 cerium tungstates
NT3 cesium tungstates
NT3 cobalt tungstates
NT3 copper tungstates
NT3 dysprosium tungstates
NT3 erbium tungstates
NT3 gadolinium tungstates
NT3 indium tungstates
NT3 iron tungstates
NT3 lanthanum tungstates
NT3 lead tungstates
NT3 lithium tungstates
NT3 lutetium tungstates
NT3 manganese tungstates
NT3 neodymium tungstates
NT3 nickel tungstates
NT3 potassium tungstates
NT3 praseodymium tungstates
NT3 rubidium tungstates
NT3 samarium tungstates
NT3 scandium tungstates
NT3 silver tungstates
NT3 sodium tungstates
NT3 strontium tungstates
NT3 tantalum tungstates
NT3 thallium tungstates
NT3 tin tungstates
NT3 titanium tungstates
NT3 ytterbium tungstates
NT3 yttrium tungstates
NT3 zinc tungstates
NT3 zirconium tungstates
NT2 tungsten borides
NT2 tungsten bromides
NT2 tungsten carbides
NT2 tungsten chlorides
NT2 tungsten fluorides
NT2 tungsten hydrides
NT2 tungsten hydroxides
NT2 tungsten iodides
NT2 tungsten nitrides
NT2 tungsten oxides
NT3 sodium tungsten bronze
NT2 tungsten phosphides
NT2 tungsten selenides
NT2 tungsten silicides
NT2 tungsten sulfides
NT2 tungsten tellurides
NT2 tungstophosphates
NT2 tungstophosphoric acid

REFRACTORY METALS

INIS: Jan 1978; ETDE: Jun 1977
*BT1 metals
NT1 hafnium
NT2 hafnium-alpha
NT2 hafnium-beta
NT1 iridium
NT1 molybdenum
NT1 niobium
NT2 niobium-alpha
NT2 niobium-beta
NT1 osmium
NT1 rhenium
NT1 rhodium
NT1 ruthenium
NT1 tantalum
NT1 technetium
NT1 tungsten
NT2 tungsten-alpha
RT heat resisting alloys
RT refractories

REFRIGERANTS

INIS: Apr 1978; ETDE: Nov 1977
*BT1 working fluids
RT ammonia
RT chlorofluorocarbons
RT coolants
RT cryogenic fluids
RT freons
RT halogenated aliphatic hydrocarbons
RT hydrocarbons
RT organic coolants
RT organic halogen compounds
RT refrigeration

REFRIGERATING MACHINERY

INIS: Mar 1992; ETDE: Nov 1975
(Machinery for cooling a volume to a temperature below that of the surrounding environment.)
*BT1 machinery
RT absorption refrigeration cycle
RT air conditioners
RT air conditioning
RT coefficient of performance
RT cooling systems
RT refrigeration
RT refrigerators
RT vapor compression refrigeration cycle

REFRIGERATION
(From May 1981 to February 1997 COLD RECOVERY was a valid ETDE descriptor.)
- SF *cold recovery*
- BT1 cooling
- **NT1** geothermal refrigeration
- **NT1** helium dilution refrigeration
- **NT1** solar refrigeration
- *RT* absorption refrigeration cycle
- *RT* heat pumps
- *RT* magnetic refrigerators
- *RT* refrigerants
- *RT* refrigerating machinery
- *RT* refrigerators
- *RT* vapor compression refrigeration cycle

REFRIGERATORS
INIS: Apr 1980; ETDE: Oct 1975
(Insulated containments cooled by refrigerating machinery.)
- **NT1** helium dilution refrigerators
- **NT1** magnetic refrigerators
- **NT1** solar refrigerators
- **NT1** thermoelectric refrigerators
- *RT* absorption refrigeration cycle
- *RT* coefficient of performance
- *RT* cooling systems
- *RT* cryostats
- *RT* electric appliances
- *RT* freezers
- *RT* gas appliances
- *RT* helium dilution refrigeration
- *RT* refrigerating machinery
- *RT* refrigeration
- *RT* vapor compression refrigeration cycle

refueling water systems
Use auxiliary water systems

refuse
Use solid wastes

REFUSE DERIVED FUELS
INIS: Apr 1992; ETDE: Nov 1976
(Fuels prepared from solid municipal or industrial wastes by removing all non-combustible materials, and put into burnable form.)
- UF *rdf*
- BT1 fuels
- *RT* industrial wastes
- *RT* municipal wastes
- *RT* refuse-fueled power plants
- *RT* resource recovery facilities
- *RT* solid wastes
- *RT* synthetic fuels

REFUSE-FUELED BOILERS
INIS: May 1992; ETDE: May 1979
- UF *waste-fueled boilers*
- BT1 boilers
- *RT* refuse-fueled power plants

REFUSE-FUELED POWER PLANTS
INIS: Apr 1992; ETDE: Mar 1979
- UF *waste-fueled power plants*
- *BT1 thermal power plants
- *RT* cogeneration
- *RT* dual-purpose power plants
- *RT* power generation
- *RT* refuse derived fuels
- *RT* refuse-fueled boilers
- *RT* steam generation

regenerating liver
Use biological regeneration

REGENERATION
INIS: Nov 1981; ETDE: Jan 1975
- SF *reactivation*
- *RT* heat storage
- *RT* particle production
- *RT* solar heat engines
- *RT* stirling engines
- *RT* waste processing

regeneration (biological)
Use biological regeneration

REGENERATIVE BRAKING
INIS: Apr 2000; ETDE: Mar 1976
- *RT* brakes
- *RT* electric-powered vehicles

REGENERATIVE FUEL CELLS
INIS: May 1992; ETDE: Jan 1975
- *BT1 fuel cells
- **NT1** redox fuel cells
- *RT* proton exchange membrane fuel cells

REGENERATORS
INIS: Apr 1986; ETDE: Jan 1975
- **NT1** solar regenerators
- *RT* energy storage systems
- *RT* heat exchangers
- *RT* heat storage
- *RT* solar heat engines
- *RT* stirling engines

REGGE CALCULUS
- *RT* general relativity theory
- *RT* mathematics
- *RT* regge poles

REGGE CUTS
- *RT* regge poles

REGGE POLES
- *RT* abfst equation
- *RT* conspiracy relations
- *RT* exchange degeneracy
- *RT* linear absorption models
- *RT* lorentz poles
- *RT* pomeranchuk particles
- *RT* pomeranchuk poles
- *RT* quantum field theory
- *RT* regge calculus
- *RT* regge cuts
- *RT* regge trajectories
- *RT* scattering amplitudes
- *RT* van hove model

REGGE TRAJECTORIES
- *RT* regge poles

region i
Use usa

region ii
Use usa

region iii
Use usa

region iv
Use usa

region ix
Use usa

region v
Use usa

region vi
Use usa

region vii
Use usa

region viii
Use usa

region x
Use usa

REGIONAL ANALYSIS
(Evaluation of the characteristics of a region and their economic, ecological, or social implications.)
- *RT* ecology
- *RT* economic analysis
- *RT* economics
- *RT* environment
- *RT* fallout
- *RT* geology
- *RT* geomorphology
- *RT* human populations
- *RT* input-output analysis
- *RT* land use
- *RT* regional cooperation
- *RT* sociology
- *RT* water use

REGIONAL COOPERATION
INIS: Mar 1983; ETDE: Apr 1978
- BT1 cooperation
- *RT* decision making
- *RT* energy policy
- *RT* government policies
- *RT* land use
- *RT* local government
- *RT* management
- *RT* planning
- *RT* regional analysis
- *RT* state government

regional electric reliability councils
Use electric reliability councils

regolith
See overburden

REGRESSION ANALYSIS
INIS: Jul 1981; ETDE: May 1979
- *BT1 statistics
- *RT* correlations
- *RT* economic analysis
- *RT* forecasting

REGULATING RODS
- UF *fine control rods*
- *BT1 control elements
- *RT* neutron absorbers

REGULATIONS
(From August 1979 till March 1997 LEGAL INCENTIVES was a valid ETDE descriptor.)
- SF *legal incentives*
- BT1 laws
- **NT1** building codes
- **NT1** contamination regulations
  - **NT2** maximum acceptable contamination
- **NT1** international regulations
  - **NT2** oecd mcmsdrw
- **NT1** licensing regulations
- **NT1** packaging rules
- **NT1** pollution regulations
- **NT1** pricing regulations
- **NT1** safeguard regulations
- **NT1** transport regulations
- *RT* administrative procedures
- *RT* afudc
- *RT* agreements
- *RT* amendments
- *RT* compliance
- *RT* consumer protection
- *RT* deregulation
- *RT* enforcement
- *RT* executive orders

RT government policies
RT horizontal divestiture
RT implementation
RT iso
RT land leasing
RT legal aspects
RT legislation
RT legislative text
RT licensing
RT local government
RT national government
RT public policy
RT radiation protection
RT recommendations
RT regulatory guides
RT reporting requirements
RT resource recovery acts
RT safety standards
RT solas convention
RT state government
RT us ferc
RT us public utility regulatory policies act
RT vertical divestiture
RT violations

regulators (voltage)
Use voltage regulators

REGULATORY GUIDES
(Should be used to index all pieces of literature which are regulatory guides.)
BT1 document types
RT legal aspects
RT recommendations
RT regulations
RT us aec

REICH-MOORE FORMULA
RT nuclear reactions
RT resonance

REID POTENTIAL
*BT1 nucleon-nucleon potential
RT nucleon-nucleon interactions

reimbursement
Use cost recovery

reindeer
Use deer

REINFORCED CONCRETE
*BT1 composite materials
*BT1 concretes
*BT1 reinforced materials
RT concrete stringers

REINFORCED MATERIALS
UF *materials (reinforced)*
BT1 materials
NT1 reinforced concrete
NT1 reinforced plastics
RT building materials
RT composite materials

REINFORCED PLASTICS
*BT1 plastics
*BT1 reinforced materials

REINJECTION
INIS: Apr 2000; ETDE: Mar 1977
RT injection wells
RT liquid wastes
RT underground disposal
RT waste disposal
RT waste water

reinluft process
Use desulfurization

relative biological effectiveness
Use rbe

RELATIVISTIC BEAM INJECTION
BT1 beam injection

relativistic heavy ion collider (bnl)
Use brookhaven rhic

RELATIVISTIC PLASMA
BT1 plasma

RELATIVISTIC RANGE
BT1 energy range
RT relativity theory

RELATIVITY THEORY
UF *special relativity theory*
*BT1 general relativity theory
RT cosmology
RT dirac equation
RT galilei transformations
RT joos-weinberg equation
RT light cone
RT lorentz invariance
RT lorentz transformations
RT massless particles
RT metrics
RT negative mass
RT relativistic range
RT rest mass
RT space-time

RELAXATION
NT1 muon spin relaxation
NT1 spin-lattice relaxation
NT1 spin-spin relaxation
NT1 stress relaxation
RT de-excitation
RT relaxation losses
RT relaxation time

relaxation (stress)
Use stress relaxation

RELAXATION LOSSES
*BT1 energy losses
RT dielectric properties
RT dipoles
RT relaxation

RELAXATION TIME
INIS: Aug 1981; ETDE: Mar 1980
RT relaxation
RT time dependence

RELAYS
*BT1 electrical equipment
RT equipment protection devices
RT switches
RT switching circuits

release (fission product)
Use fission product release

RELEASE LIMITS
RT radiation hazards
RT radioactive wastes
RT stack disposal

releasing factors
Use liberins

releasing hormones
Use liberins

RELIABILITY
RT accuracy
RT amoeba effect
RT errors
RT failure mode analysis
RT failures
RT fault tolerant computers
RT hazards
RT outages
RT performance
RT quality assurance
RT quality control
RT radiation protection
RT reactor safety
RT risk assessment
RT specifications
RT systems analysis
RT var control systems

relic radiation
Use relict radiation

RELICT RADIATION
INIS: Apr 1984; ETDE: May 1984
(Thermal microwave background radiation of the universe believed to date from the earliest moments of the universe.)
UF *cmb radiation*
UF *cosmic microwave background*
UF *relic radiation*
*BT1 microwave radiation
RT background radiation
RT cosmic radiation
RT universe

RELIEF VALVES
INIS: Feb 1976; ETDE: Jun 1975
UF *rupture disks*
UF *safety valves*
*BT1 valves

relieving (stress)
Use stress relaxation

RELOADABLE FUEL ASSEMBLIES
Oct 2003
(Ring-shaped elements, which can carry different replaceable inner parts; after replacement of the replaceable parts, they can be reloaded into the core for further operation.)
BT1 fuel assemblies

rem
Use radiation dose units

REMEDIAL ACTION
INIS: Apr 1985; ETDE: Jun 1984
(Activities conducted to reduce potential exposure of people to hazardous materials or ionizing radiation, and potential harm to the environment from hazardous materials contamination.)
UF *site rehabilitation*
SF *mine site rehabilitation*
NT1 bioremediation
RT abandoned sites
RT contamination
RT decommissioning
RT decontamination
RT environmental engineering
RT land reclamation
RT radiation doses
RT radiation protection
RT tailings
RT us superfund

REMERSCHEN REACTOR
INIS: Jul 1976; ETDE: Sep 1976
*BT1 pwr type reactors

REMOTE AREAS

INIS: Oct 1994; ETDE: Jun 1978

UF *isolated locations*
RT rural areas

REMOTE CONTROL

BT1 control
RT hydraulic control devices
RT remote handling
RT servomechanisms

REMOTE HANDLING

RT automation
RT clean rooms
RT contact handling
RT distance
RT gloveboxes
RT hot cells
RT hot labs
RT man-machine systems
RT manipulators
RT materials handling
RT materials handling equipment
RT periscopes
RT radiation protection
RT reactor charging machines
RT reactor fueling
RT remote control
RT remote handling equipment
RT sample changers
RT sample holders
RT work

REMOTE HANDLING EQUIPMENT

(From August 1979 till March 1997 RETRIEVAL SYSTEMS was a valid ETDE descriptor.)

SF *retrieval systems*
*BT1 materials handling equipment
NT1 cranes
NT1 manipulators
RT auxiliary systems
RT hot cells
RT laboratory equipment
RT remote handling
RT remote viewing equipment
RT robots

REMOTE MULTIPLEXING SYSTEMS

INIS: Apr 2000; ETDE: Jan 1978

(Systems for the remote transmission of data and control signals in power plants or process equipment.)

RT multiplexers
RT on-line control systems

REMOTE SENSING

INIS: Sep 1978; ETDE: Jan 1975

(Techniques for conducting measurements from aeroplanes or satellites such as for geologic exploration.)

RT acoustic radar
RT aerial monitoring
RT aerial prospecting
RT aerial surveying
RT exploration
RT geophysical surveys
RT geos satellites
RT goes satellites
RT ground truth measurements
RT landsat satellites
RT multispectral photography
RT optical radar
RT satellites
RT seasat satellites
RT thermography

REMOTE VIEWING EQUIPMENT

BT1 equipment
RT hot cells
RT laboratory equipment
RT lighting systems
RT optical systems
RT remote handling equipment
RT television
RT video tapes

REMOVAL

INIS: Aug 1991; ETDE: Jan 1975

UF+ *tioga nitrogen removal process*
NT1 after-heat removal
NT1 cuttings removal
NT1 reactor poison removal
NT1 water removal
RT deashing
RT fission product release

removal (after-heat)

Use after-heat removal

removal (reactor poison)

Use reactor poison removal

RENAL CLEARANCE

UF *clearance (renal)*
*BT1 excretion
RT glomeruli
RT kidneys
RT metabolism
RT renography
RT tubules

RENE-100

INIS: Apr 2000; ETDE: Dec 1978

*BT1 aluminium alloys
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 molybdenum alloys
*BT1 nickel base alloys
*BT1 titanium alloys

RENE 41

INIS: Nov 1983; ETDE: Dec 1974

*BT1 alloy-ni55cr19co11mo10ti3
*BT1 carbon additions
*BT1 iron alloys

RENE 80

INIS: Nov 1983; ETDE: Dec 1978

*BT1 aluminium alloys
*BT1 boron additions
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 molybdenum alloys
*BT1 nickel base alloys
*BT1 titanium alloys
*BT1 tungsten alloys
*BT1 zirconium additions

RENE 95

INIS: Nov 1983; ETDE: Feb 1976

*BT1 aluminium alloys
*BT1 carbon additions
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 iron additions
*BT1 molybdenum alloys
*BT1 nickel base alloys
*BT1 niobium alloys
*BT1 titanium alloys
*BT1 tungsten alloys
*BT1 zirconium additions

RENEWABLE ENERGY SOURCES

INIS: Feb 1981; ETDE: Sep 1977

(From December 1978 till May 1996 RENEWABLE RESOURCES was a valid ETDE descriptor.)

SF *renewable resources*
BT1 energy sources
NT1 biomass
NT1 geothermal energy
NT1 hydroelectric power
NT1 solar energy
NT1 tidal power
NT1 wave power
NT1 wind power
RT appropriate technology
RT plants
RT synthetic fuels corporation

renewable resources

See biomass
OR materials
OR organic compounds
OR renewable energy sources
OR resources

RENIN

(Code numbers 3.4.99.1, 3.4.99.2, and 3.4.99.3.)

*BT1 nonspecific peptidases
RT blood pressure
RT kidneys

RENOGRAPHY

INIS: May 1980; ETDE: May 1980

*BT1 biomedical radiography
RT kidneys
RT renal clearance
RT tracer techniques

RENORMALIZATION

NT1 charge renormalization
NT1 mass renormalization
RT quantum field theory

RENSSELAER CRITICAL FACILITY

*BT1 zero power reactors

REPAIR

NT1 biological repair
NT2 dna repair
NT3 excision repair
NT2 host-cell reactivation
NT2 photoreactivation
RT maintenance
RT reactor maintenance
RT reactor operation

repair (biological)

Use biological repair

repair pathways

Use biological pathways

REPEALS

INIS: Apr 2000; ETDE: May 1981

RT laws
RT legal aspects

REPLACEABLE FUEL ASSEMBLIES

Oct 2003

(Inner parts of annular fuel elements, which can be replaced while the outer parts continue to be operated.)

BT1 fuel assemblies

REPLICA TECHNIQUES

RT ceramography
RT replicas

REPLICAS
RT crystal models
RT electron microscopy
RT replica techniques

REPLICONS
INIS: Apr 2000; ETDE: Apr 1987
(Chromosomal elements which serve as an initiation point for DNA synthesis during cell replication.)
BT1 genes
RT cell cycle
RT cell proliferation

REPORTING REQUIREMENTS
INIS: Apr 1986; ETDE: Mar 1980
(Also includes the reports generated as a result of the requirements.)
UF *reports required*
UF *required reports*
RT administrative procedures
RT data acquisition
RT documentation
RT information needs
RT regulations

reports required
Use reporting requirements

repowering
See solar repowering

representations (irreducible)
Use irreducible representations

representations (nonunitary)
Use nonunitary representations

repressuring
Use pressurization

REPROCESSING
(CARBOX PROCESS, DAREX PROCESS,FLUOROX PROCESS, FLUREX PROCESS, HERMEX PROCESS, NEPTEX PROCESS, PROMEX PROCESS, RAHYD PROCESS, SULFEX PROCESS, and THERMOX PROCESS have been valid descriptors.)
UF *carbox process*
UF *darex process*
UF *fluorox process*
UF *flurex process*
UF *fuel reprocessing*
UF *hermex process*
UF *neptex process*
UF *proliferation resistant molten salt/metal extraction*
UF *promex process*
UF *rahyd process*
UF *recycling (nuclear fuel)*
UF *sulfex process*
UF *thermox process*
SF *arco process*
BT1 separation processes
NT1 airox process
NT1 amex process
NT1 chloride volatility process
NT1 civex process
NT1 csrex process
NT1 dapex process
NT1 diamex process
NT1 eurex process
NT1 fluoride volatility process
NT1 iodox process
NT1 purex process
NT1 pyrochemical reprocessing
NT1 redox process
NT1 sesame process
NT1 talspeak process
NT1 thorex process
NT1 tramex process
NT1 truex process
NT1 zirflex process
RT consolidated fuel reprocessing program
RT decladding
RT denitration
RT eurochemic
RT fuel cycle
RT fuel reprocessing plants
RT head end processes
RT nuclear materials management
RT process control
RT sol-gel process
RT solvent extraction
RT spent fuel elements
RT wackersdorf reprocessing plant
RT wak
RT zone refining

REPRODUCTION
UF *parthenogenesis*
RT adults
RT animal breeding
RT embryos
RT female genitals
RT fertility
RT fertilization
RT flowers
RT gonads
RT life cycle
RT male genitals
RT mating
RT mutations
RT nests
RT oogenesis
RT ovulation
RT physiology
RT plant breeding
RT pollen
RT population dynamics
RT pregnancy
RT progeny
RT reproductive disorders
RT sex
RT spermatogenesis
RT spores
RT vegetative propagation
RT viability
RT zygotes

REPRODUCTIVE DISORDERS
*BT1 urogenital system diseases
RT abortion
RT castration
RT endocrine diseases
RT fertility
RT menstruation disorders
RT pregnancy
RT reproduction
RT sterility

REPTILES
*BT1 vertebrates
NT1 alligators
NT1 lizards
NT1 snakes
NT1 turtles

REPUBLIC OF GEORGIA
INIS: Feb 1993; ETDE: Apr 1993
(Until January 1993, this was indexed by USSR.)
UF *georgia (republic of)*
SF *soviet union*
SF *union of soviet socialist republics*
SF *ussr*
BT1 asia
RT black sea
RT caucasus

REPUBLIC OF KOREA
UF *korea (south)*
UF *south korea*
BT1 asia
BT1 developing countries
RT oecd

REPUBLIC OF SEYCHELLES
May 2003
UF *seychelles (republic of)*
BT1 africa
BT1 developing countries

republic of zaire
Use democratic republic of the congo

republikove uloziste radioaktivnych odpadov v mochovciach
Use mochovce radioactive waste repository

required reports
Use reporting requirements

RESCATTERING
BT1 scattering
RT nuclear reaction kinetics
RT nuclear reactions
RT strong interactions

RESCUE OPERATIONS
INIS: Apr 2000; ETDE: Sep 1978
NT1 mine rescue

RESEARCH AND TEST REACTORS
BT1 reactors
NT1 argonaut type reactors
NT2 aeg-pr-10 reactor
NT2 arbi reactor
NT2 argonaut reactor
NT2 argos reactor
NT2 athene reactor
NT2 jason reactor
NT2 lfr reactor
NT2 moata reactor
NT2 nestor reactor
NT2 queen mary college utr-b reactor
NT2 ra-1 reactor
NT2 rb-2 reactor
NT2 rien-1 reactor
NT2 srrc-utr-100 reactor
NT2 stark reactor
NT2 strasbourg-cronenbourg reactor
NT2 uftr reactor
NT2 ulysse reactor
NT2 urr reactor
NT2 utr-10-kinki reactor
NT2 vpi-utr-10 reactor
NT1 experimental reactors
NT2 aps reactor
NT2 arbus reactor
NT2 atrc reactor
NT2 bilibin reactor
NT2 bor-60 reactor
NT2 borax-1 reactor
NT2 borax-2 reactor
NT2 borax-3 reactor
NT2 borax-4 reactor
NT2 br-3-vn reactor
NT2 cefr reactor
NT2 cesar reactor
NT2 dfr reactor
NT2 dragon reactor
NT2 ebr-1 reactor
NT2 ebr-2 reactor
NT2 ebwr reactor
NT2 egcr reactor

NT2 el-1 reactor
NT2 eocr reactor
NT2 esada-vesr reactor
NT2 ewg-1 reactor
NT2 gcre reactor
NT2 hbwr reactor
NT2 hdr reactor
NT2 hre-2 reactor
NT2 htr-10 reactor
NT2 httr reactor
NT2 igr reactor
NT2 joyo reactor
NT2 jpdr reactor
NT2 kiwi-tnt reactor
NT2 knk reactor
NT2 knk-2 reactor
NT2 lampre-1 reactor
NT2 mh-1a reactor
NT2 mir reactor
NT2 msre reactor
NT2 nrx-a1 reactor
NT2 nrx-a2 reactor
NT2 nrx-a3 reactor
NT2 nrx-a4-est reactor
NT2 nrx-a5 reactor
NT2 nrx-a6 reactor
NT2 nrx-a7 reactor
NT2 omre reactor
NT2 rover reactors
NT2 sefor reactor
NT2 spert-1 reactor
NT2 spert-2 reactor
NT2 spert-3 reactor
NT2 spert-4 reactor
NT2 sre reactor
NT2 subcritical assemblies
NT3 pse reactor
NT3 stsf assembly
NT2 topaz reactor
NT2 tory-2a reactor
NT2 tory-2c reactor
NT2 treat reactor
NT2 tz1 reactor
NT2 tz2 reactor
NT2 uhtrex reactor
NT2 venus reactor
NT2 vhtr reactor
NT2 xe-2 reactor
NT2 xe-prime reactor
NT2 xma-1 reactor
NT2 zero power reactors
NT3 agata reactor
NT3 akr-1 reactor
NT3 anex reactor
NT3 anna reactor
NT3 apfa-3 reactor
NT3 aquilon reactor
NT3 bfs reactor
NT3 big ten reactor
NT3 cfrmf reactor
NT3 cml reactor
NT3 coral-1 reactor
NT3 crocus reactor
NT3 dca reactor
NT3 dimple reactor
NT3 ecel reactor
NT3 ermine reactor
NT3 etrc reactor
NT3 fca reactor
NT3 flattop reactor
NT3 fr-0 reactor
NT3 godiva reactor
NT3 hero reactor
NT3 hitrex-1 reactor
NT3 horace reactor
NT3 hwzpr reactor
NT3 iea-zpr reactor
NT3 ifr reactor
NT3 ipen-mb-1 reactor
NT3 jezebel reactor
NT3 juno reactor
NT3 kahter reactor
NT3 kbr-1 reactor
NT3 kritz reactor
NT3 kuca reactor
NT3 lptf reactor
NT3 lr-0 reactor
NT3 lvr-15 reactor
NT3 marius reactor
NT3 maryla reactor
NT3 masurca reactor
NT3 minerve reactor
NT3 neptune reactor
NT3 nsf-rfp reactor
NT3 or-cef reactor
NT3 ornl-pca reactor
NT3 parka reactor
NT3 pdp reactor
NT3 peggy reactor
NT3 pelinduna reactor
NT3 plasma core assembly
NT3 prcf reactor
NT3 ptf-unc reactor
NT3 purnima reactor
NT3 purnima-2 reactor
NT3 r-b reactor
NT3 ra-0 reactor
NT3 ra-2 reactor
NT3 ra-8 reactor
NT3 rake-2 reactor
NT3 rb-1 reactor
NT3 rb-3 reactor
NT3 rensselaer critical facility
NT3 ritmo reactor
NT3 rospo reactor
NT3 saref reactor
NT3 shca reactor
NT3 silene reactor
NT3 siloette reactor
NT3 sneak reactor
NT3 split table reactor
NT3 sr-oa reactor
NT3 stacy reactor
NT3 tca reactor
NT3 tr-0 reactor
NT3 tracy reactor
NT3 vera reactor
NT3 zebra reactor
NT3 zeep reactor
NT3 zenith reactor
NT3 zephyr reactor
NT3 zerlina reactor
NT3 zlfr reactor
NT3 zppr reactor
NT3 zpr reactor
NT3 zpr-3 reactor
NT3 zpr-6 reactor
NT3 zpr-9 reactor
NT3 zr-6 reactor
NT2 zrr reactor
NT1 kalpakkam pfr reactor
NT1 kamini reactor
NT1 maple reactor
NT1 maple type reactors
NT1 maria reactor
NT1 nuclear furnace reactor
NT1 purnima-3 reactor
NT1 research reactors
NT2 aarr reactor
NT2 acpr reactor
NT2 aeg-pr-10 reactor
NT2 aerojet-general nucleonics reactors
NT2 afrri reactor
NT2 afsr reactor
NT2 agata reactor
NT2 ai-l-77 reactor
NT2 alrr reactor
NT2 anna reactor
NT2 aprf reactor
NT2 apsara reactor
NT2 arbi reactor
NT2 argonaut reactor
NT2 argos reactor
NT2 armf-1 reactor
NT2 astra reactor
NT2 athene reactor
NT2 atpr reactor
NT2 atsr reactor
NT2 avogadro rs-1 reactor
NT2 barn reactor
NT2 bepo reactor
NT2 ber-2 reactor
NT2 bgrr reactor
NT2 bigr reactor
NT2 bir reactor
NT2 br-02 reactor
NT2 br-1 reactor
NT2 brr reactor
NT2 bsr-1 reactor
NT2 bsr-2 reactor
NT2 byu l-77 reactor
NT2 cabri reactor
NT2 cesar reactor
NT2 cesnef reactor
NT2 cirus reactor
NT2 clementine reactor
NT2 consort-2 reactor
NT2 coral-1 reactor
NT2 cp-2 reactor
NT2 cp-3 reactor
NT2 cp-3m reactor
NT2 cp-5 reactor
NT2 cp-6 reactor
NT2 crocus reactor
NT2 democritus reactor
NT2 dhruva reactor
NT2 dido reactor
NT2 diorit reactor
NT2 dmtr reactor
NT2 dow triga-mk-1 reactor
NT2 dr-1 reactor
NT2 dr-2 reactor
NT2 dr-3 reactor
NT2 ebor reactor
NT2 ebr-1 reactor
NT2 eco reactor
NT2 el-1 reactor
NT2 el-2 reactor
NT2 el-3 reactor
NT2 eocr reactor
NT2 eole reactor
NT2 etr reactor
NT2 etrc reactor
NT2 etrr-1 reactor
NT2 etrr-2 reactor
NT2 ewa reactor
NT2 f-1 reactor
NT2 fbrf reactor
NT2 fftf reactor
NT2 fir-1 reactor
NT2 fmrb reactor
NT2 fnr reactor
NT2 fr-0 reactor
NT2 fr-2 reactor
NT2 frf reactor
NT2 frg-1 reactor
NT2 frg-2 reactor
NT2 frj-1 reactor
NT2 frj-2 reactor
NT2 frm reactor
NT2 frn reactor
NT2 ga siwabessy reactor
NT2 gharr-1 reactor
NT2 gleep reactor
NT2 grenoble reactor
NT2 gtrr reactor
NT2 gulf triga-mk-3 reactor

NT2 hanaro reactor
NT2 harmonie reactor
NT2 hector reactor
NT2 herald reactor
NT2 hero reactor
NT2 hew-305 reactor
NT2 hfbr reactor
NT2 hfir reactor
NT2 hfr reactor
NT2 hifar reactor
NT2 hor reactor
NT2 horace reactor
NT2 hprr reactor
NT2 hre-2 reactor
NT2 htltr reactor
NT2 htr reactor
NT2 hwrr reactor
NT2 ian-r1 reactor
NT2 ibr-2 reactor
NT2 ibr-30 reactor
NT2 iea-zpr reactor
NT2 iear-1 reactor
NT2 irl reactor
NT2 irr-1 reactor
NT2 irr-2 reactor
NT2 irt reactor
NT2 irt-2000 djakarta reactor
NT2 irt-2000 moscow reactor
NT2 irt-baghdad reactor
NT2 irt-c reactor
NT2 irt-f reactor
NT2 irt-m reactor
NT2 irt-sofia reactor
NT2 isis reactor
NT2 ispra-1 reactor
NT2 ivv-7 reactor
NT2 janus reactor
NT2 jason reactor
NT2 jeep-2 reactor
NT2 jen reactor
NT2 jen-1 reactor
NT2 jen-2 reactor
NT2 jmtr reactor
NT2 jrr-1 reactor
NT2 jrr-2 reactor
NT2 jrr-3 reactor
NT2 jrr-3m reactor
NT2 jrr-4 reactor
NT2 juno reactor
NT2 kartini-ppny reactor
NT2 king reactor
NT2 kstr reactor
NT2 kuhfr reactor
NT2 kur reactor
NT2 la reina rech-1 reactor
NT2 lfr reactor
NT2 lido reactor
NT2 lo aguirre rech-2 reactor
NT2 lpr reactor
NT2 lptr reactor
NT2 ltir reactor
NT2 lvr-15 reactor
NT2 marius reactor
NT2 maryla reactor
NT2 melusine-1 reactor
NT2 merlin reactor
NT2 minerve reactor
NT2 mitr reactor
NT2 mnr reactor
NT2 mns reactor
NT2 moata reactor
NT2 mr reactor
NT2 mrr reactor
NT2 murr reactor
NT2 nbsr reactor
NT2 ncscr-1 reactor
NT2 nestor reactor
NT2 nhr-5 reactor
NT2 nora reactor
NT2 nru reactor
NT2 nrx reactor
NT2 nsrr reactor
NT2 ntr reactor
NT2 orphee reactor
NT2 osiris reactor
NT2 owr reactor
NT2 parr reactor
NT2 pat reactor
NT2 pbr reactor
NT2 pctr reactor
NT2 phebus reactor
NT2 pik physical model reactor
NT2 pik reactor
NT2 prnc-l-77 reactor
NT2 proteus reactor
NT2 prtr reactor
NT2 pstr reactor
NT2 ptr reactor
NT2 pulstar-buffalo reactor
NT2 pulstar-raleigh reactor
NT2 r-1 reactor
NT2 r-2 reactor
NT2 r-a reactor
NT2 r2-0 reactor
NT2 ra-0 reactor
NT2 ra-2 reactor
NT2 ra-3 reactor
NT2 ra-4 reactor
NT2 ra-5 reactor
NT2 ra-6 reactor
NT2 ra-8 reactor
NT2 rake-2 reactor
NT2 rana reactor
NT2 rb-1 reactor
NT2 rg-1m reactor
NT2 rien-1 reactor
NT2 rinsc reactor
NT2 ritmo reactor
NT2 romashka reactor
NT2 rp-10 reactor
NT2 rpt reactor
NT2 rts-1 reactor
NT2 rv-1 reactor
NT2 sbr-1 reactor
NT2 sbr-2 reactor
NT2 sbr-5 reactor
NT2 scarabee reactor
NT2 silene reactor
NT2 slowpoke type reactors
NT3 slowpoke-alberta reactor
NT3 slowpoke-dalhousie reactor
NT3 slowpoke-montreal reactor
NT3 slowpoke-ottawa reactor
NT3 slowpoke-toronto reactor
NT3 slowpoke-wnre reactor
NT2 sneak reactor
NT2 sora reactor
NT2 spert-1 reactor
NT2 spr-2 reactor
NT2 spr-3 reactor
NT2 spr-4 reactor
NT2 sr-1 reactor
NT2 sr-oa reactor
NT2 srrc-utr-100 reactor
NT2 stf reactor
NT2 supo reactor
NT2 swierk r-2 reactor
NT2 taiwan research reactor
NT2 tapiro reactor
NT2 tca reactor
NT2 thetis reactor
NT2 thor reactor
NT2 tibr reactor
NT2 tory-2a reactor
NT2 toshiba reactor
NT2 tr-1 reactor
NT2 tr-2 reactor
NT2 triga-1-michigan reactor
NT2 triton reactor
NT2 trr-1 reactor
NT2 tsr-2 reactor
NT2 uftr reactor
NT2 uknr reactor
NT2 umne-1 reactor
NT2 umrr reactor
NT2 utr-10-kinki reactor
NT2 utrr reactor
NT2 uvar reactor
NT2 vera reactor
NT2 viper reactor
NT2 vpi-utr-10 reactor
NT2 wrrr reactor
NT2 wsur reactor
NT2 wtr reactor
NT2 wwr-2 reactor
NT2 wwr-k-almaty reactor
NT2 wwr-m-kiev reactor
NT2 wwr-m-leningrad reactor
NT2 wwr-s-bucharest reactor
NT2 wwr-s-cairo reactor
NT2 wwr-s-moscow reactor
NT2 wwr-s-prague reactor
NT2 wwr-s-tashkent reactor
NT2 wwr-sm rossendorf reactor
NT2 wwr-z reactor
NT2 x-10 reactor
NT2 xapr reactor
NT2 zebra reactor
NT2 zeep reactor
NT2 zenith reactor
NT2 zerlina reactor
NT2 zlfr reactor
NT2 zppr reactor
NT1 super kukla reactor
NT1 test reactors
NT2 aipfr reactor
NT2 arbus reactor
NT2 astr reactor
NT2 astra reactor
NT2 atpr reactor
NT2 atr reactor
NT2 barn reactor
NT2 bawtr reactor
NT2 bgrr reactor
NT2 borax-5 reactor
NT2 br-02 reactor
NT2 brr reactor
NT2 cesnef reactor
NT2 cirus reactor
NT2 cp-5 reactor
NT2 dhruva reactor
NT2 dimple reactor
NT2 diorit reactor
NT2 ebor reactor
NT2 ebr-1 reactor
NT2 eco reactor
NT2 eocr reactor
NT2 esada-vesr reactor
NT2 essor reactor
NT2 etr reactor
NT2 etrc reactor
NT2 fftf reactor
NT2 fir-1 reactor
NT2 fmrb reactor
NT2 fnr reactor
NT2 fr-2 reactor
NT2 frctf reactor
NT2 frg-1 reactor
NT2 frn reactor
NT2 getr reactor
NT2 grenoble reactor
NT2 gtr reactor
NT2 gtrr reactor
NT2 hanaro reactor
NT2 harmonie reactor
NT2 herald reactor
NT2 hero reactor

NT2 hew-305 reactor
NT2 hfir reactor
NT2 hifar reactor
NT2 hre-2 reactor
NT2 htltr reactor
NT2 htr-10 reactor
NT2 irl reactor
NT2 irr-1 reactor
NT2 irt-2000 djakarta reactor
NT2 irt-2000 moscow reactor
NT2 irt-baghdad reactor
NT2 ispra-1 reactor
NT2 jmtr reactor
NT2 kalpakkam lmfbr reactor
NT2 loft reactor
NT2 mzfr reactor
NT2 netr reactor
NT2 nru reactor
NT2 ntr reactor
NT2 orphee reactor
NT2 owr reactor
NT2 pat reactor
NT2 pegase reactor
NT2 proteus reactor
NT2 ra-3 reactor
NT2 ra-4 reactor
NT2 ra-5 reactor
NT2 ra-6 reactor
NT2 ra-8 reactor
NT2 rapsodie reactor
NT2 rts-1 reactor
NT2 s1c prototype reactor
NT2 safari-1 reactor
NT2 sbr-5 reactor
NT2 snaptran reactors
NT2 stf reactor
NT2 tapiro reactor
NT2 tory-2a reactor
NT2 tory-2c reactor
NT2 treat reactor
NT2 triga-1-michigan reactor
NT2 triga-2-pavia reactor
NT2 tsr-1 reactor
NT2 tsr-2 reactor
NT2 urr reactor
NT2 uvar reactor
NT2 viper reactor
NT2 wr-1 reactor
NT2 wtr reactor
NT1 training reactors
NT2 aerojet-general nucleonics reactors
NT2 afrri reactor
NT2 ai-l-77 reactor
NT2 akr-1 reactor
NT2 apsara reactor
NT2 arbi reactor
NT2 argonaut reactor
NT2 argos reactor
NT2 athene reactor
NT2 atpr reactor
NT2 bgrr reactor
NT2 budapest training reactor
NT2 byu l-77 reactor
NT2 cesnef reactor
NT2 cirus reactor
NT2 colorado triga-mk-3 reactor
NT2 consort-2 reactor
NT2 cornell triga-mk-2 reactor
NT2 dow triga-mk-1 reactor
NT2 dr-1 reactor
NT2 fir-1 reactor
NT2 fnr reactor
NT2 fr-0 reactor
NT2 frf reactor
NT2 frg-1 reactor
NT2 gleep reactor
NT2 gtrr reactor
NT2 gulf triga-mk-3 reactor
NT2 hor reactor
NT2 htr reactor
NT2 ian-r1 reactor
NT2 iowa utr-10 reactor
NT2 jason reactor
NT2 jrr-1 reactor
NT2 kur reactor
NT2 lfr reactor
NT2 melusine-1 reactor
NT2 merlin reactor
NT2 mitr reactor
NT2 moata reactor
NT2 murr reactor
NT2 ncscr-1 reactor
NT2 nevada university reactor
NT2 nscr reactor
NT2 ostr reactor
NT2 osur reactor
NT2 prnc-l-77 reactor
NT2 pstr reactor
NT2 queen mary college utr-b reactor
NT2 r-b reactor
NT2 ra-1 reactor
NT2 rien-1 reactor
NT2 rts-1 reactor
NT2 rv-1 reactor
NT2 sr-3p reactor
NT2 srrc-utr-100 reactor
NT2 stark reactor
NT2 strasbourg-cronenbourg reactor
NT2 sur-100 series reactor
NT2 thetis reactor
NT2 thor reactor
NT2 toshiba reactor
NT2 tr-1 reactor
NT2 trico reactor
NT2 triga-1-michigan reactor
NT2 triga-2-pavia reactor
NT2 trr-1 reactor
NT2 ucbrr reactor
NT2 uftr reactor
NT2 ulysse reactor
NT2 umne-1 reactor
NT2 umrr reactor
NT2 urr reactor
NT2 utr-10-kinki reactor
NT2 uvar reactor
NT2 uwnr reactor
NT2 uwtr reactor
NT2 vpi-utr-10 reactor
NT2 vr-1 reactor
NT2 wntr reactor
NT2 wpir reactor
NT2 wwr-s-budapest reactor
NT2 x-10 reactor
NT2 zlfr reactor
NT2 zpr reactor
NT1 triga type reactors
NT2 afrri reactor
NT2 atpr reactor
NT2 colorado triga-mk-3 reactor
NT2 cornell triga-mk-2 reactor
NT2 dow triga-mk-1 reactor
NT2 fir-1 reactor
NT2 frf-2 reactor
NT2 frn reactor
NT2 gulf triga-mk-3 reactor
NT2 kartini-ppny reactor
NT2 lopra reactor
NT2 nscr reactor
NT2 ostr reactor
NT2 prpr reactor
NT2 pstr reactor
NT2 rtp reactor
NT2 trico reactor
NT2 triga-1-arizona reactor
NT2 triga-1-california reactor
NT2 triga-1-hanford reactor
NT2 triga-1-hanover reactor
NT2 triga-1-heidelberg reactor
NT2 triga-1-michigan reactor
NT2 triga-2 reactor
NT2 triga-2-bandung reactor
NT2 triga-2-bangladesh reactor
NT2 triga-2-dalat reactor
NT2 triga-2-illinois reactor
NT2 triga-2-kansas reactor
NT2 triga-2-ljubljana reactor
NT2 triga-2-mainz reactor
NT2 triga-2-musashi reactor
NT2 triga-2-pavia reactor
NT2 triga-2-pitesti reactor
NT2 triga-2-rikkyo reactor
NT2 triga-2-rome reactor
NT2 triga-2-seoul reactor
NT2 triga-2-vienna reactor
NT2 triga-3-la jolla reactor
NT2 triga-3-munich reactor
NT2 triga-3-salazar reactor
NT2 triga-3-seoul reactor
NT2 triga-brazil reactor
NT2 triga-texas reactor
NT2 triga-veterans reactor
NT2 ucbrr reactor
NT2 uwnr reactor
NT2 wsur reactor
NT1 yayoi reactor

research center nuclear physics cyclotron

Use rcnp cyclotron

research establishment risoe

Use risoe research establishment

research licenses

Use licenses

RESEARCH PROGRAMS

(To be used jointly with descriptor(s) for subject field and/or organization concerned.)
UF+ *energy research advisory board*
NT1 coordinated research programs
NT2 consolidated fuel reprocessing program
NT2 ifip
RT demonstration programs
RT experiment planning
RT historical aspects
RT information needs
RT laboratories
RT planning
RT program management
RT recommendations
RT reviews
RT us napap
RT us national program plans

RESEARCH REACTORS

UF *la reina reactor*
SF *berkeley nuclear laboratory reactor*
SF *bnl reactor*
*BT1 research and test reactors
NT1 aarr reactor
NT1 acpr reactor
NT1 aeg-pr-10 reactor
NT1 aerojet-general nucleonics reactors
NT1 afrri reactor
NT1 afsr reactor
NT1 agata reactor
NT1 ai-l-77 reactor
NT1 alrr reactor
NT1 anna reactor
NT1 aprf reactor
NT1 apsara reactor
NT1 arbi reactor
NT1 argonaut reactor
NT1 argos reactor
NT1 armf-1 reactor
NT1 astra reactor

NT1 athene reactor
NT1 atpr reactor
NT1 atsr reactor
NT1 avogadro rs-1 reactor
NT1 barn reactor
NT1 bepo reactor
NT1 ber-2 reactor
NT1 bgrr reactor
NT1 bigr reactor
NT1 bir reactor
NT1 br-02 reactor
NT1 br-1 reactor
NT1 brr reactor
NT1 bsr-1 reactor
NT1 bsr-2 reactor
NT1 byu l-77 reactor
NT1 cabri reactor
NT1 cesar reactor
NT1 cesnef reactor
NT1 cirus reactor
NT1 clementine reactor
NT1 consort-2 reactor
NT1 coral-1 reactor
NT1 cp-2 reactor
NT1 cp-3 reactor
NT1 cp-3m reactor
NT1 cp-5 reactor
NT1 cp-6 reactor
NT1 crocus reactor
NT1 democritus reactor
NT1 dhruva reactor
NT1 dido reactor
NT1 diorit reactor
NT1 dmtr reactor
NT1 dow triga-mk-1 reactor
NT1 dr-1 reactor
NT1 dr-2 reactor
NT1 dr-3 reactor
NT1 ebor reactor
NT1 ebr-1 reactor
NT1 eco reactor
NT1 el-1 reactor
NT1 el-2 reactor
NT1 el-3 reactor
NT1 eocr reactor
NT1 eole reactor
NT1 etr reactor
NT1 etrc reactor
NT1 etrr-1 reactor
NT1 etrr-2 reactor
NT1 ewa reactor
NT1 f-1 reactor
NT1 fbrf reactor
NT1 fftf reactor
NT1 fir-1 reactor
NT1 fmrb reactor
NT1 fnr reactor
NT1 fr-0 reactor
NT1 fr-2 reactor
NT1 frf reactor
NT1 frg-1 reactor
NT1 frg-2 reactor
NT1 frj-1 reactor
NT1 frj-2 reactor
NT1 frm reactor
NT1 frn reactor
NT1 ga siwabessy reactor
NT1 gharr-1 reactor
NT1 gleep reactor
NT1 grenoble reactor
NT1 gtrr reactor
NT1 gulf triga-mk-3 reactor
NT1 hanaro reactor
NT1 harmonie reactor
NT1 hector reactor
NT1 herald reactor
NT1 hero reactor
NT1 hew-305 reactor
NT1 hfbr reactor
NT1 hfir reactor
NT1 hfr reactor
NT1 hifar reactor
NT1 hor reactor
NT1 horace reactor
NT1 hprr reactor
NT1 hre-2 reactor
NT1 htltr reactor
NT1 htr reactor
NT1 hwrr reactor
NT1 ian-r1 reactor
NT1 ibr-2 reactor
NT1 ibr-30 reactor
NT1 iea-zpr reactor
NT1 iear-1 reactor
NT1 irl reactor
NT1 irr-1 reactor
NT1 irr-2 reactor
NT1 irt reactor
NT1 irt-2000 djakarta reactor
NT1 irt-2000 moscow reactor
NT1 irt-baghdad reactor
NT1 irt-c reactor
NT1 irt-f reactor
NT1 irt-m reactor
NT1 irt-sofia reactor
NT1 isis reactor
NT1 ispra-1 reactor
NT1 ivv-7 reactor
NT1 janus reactor
NT1 jason reactor
NT1 jeep-2 reactor
NT1 jen reactor
NT1 jen-1 reactor
NT1 jen-2 reactor
NT1 jmtr reactor
NT1 jrr-1 reactor
NT1 jrr-2 reactor
NT1 jrr-3 reactor
NT1 jrr-3m reactor
NT1 jrr-4 reactor
NT1 juno reactor
NT1 kartini-ppny reactor
NT1 king reactor
NT1 kstr reactor
NT1 kuhfr reactor
NT1 kur reactor
NT1 la reina rech-1 reactor
NT1 lfr reactor
NT1 lido reactor
NT1 lo aguirre rech-2 reactor
NT1 lpr reactor
NT1 lptr reactor
NT1 ltir reactor
NT1 lvr-15 reactor
NT1 marius reactor
NT1 maryla reactor
NT1 melusine-1 reactor
NT1 merlin reactor
NT1 minerve reactor
NT1 mitr reactor
NT1 mnr reactor
NT1 mns reactor
NT1 moata reactor
NT1 mr reactor
NT1 mrr reactor
NT1 murr reactor
NT1 nbsr reactor
NT1 ncscr-1 reactor
NT1 nestor reactor
NT1 nhr-5 reactor
NT1 nora reactor
NT1 nru reactor
NT1 nrx reactor
NT1 nsrr reactor
NT1 ntr reactor
NT1 orphee reactor
NT1 osiris reactor
NT1 owr reactor
NT1 parr reactor
NT1 pat reactor
NT1 pbr reactor
NT1 pctr reactor
NT1 phebus reactor
NT1 pik physical model reactor
NT1 pik reactor
NT1 prnc-l-77 reactor
NT1 proteus reactor
NT1 prtr reactor
NT1 pstr reactor
NT1 ptr reactor
NT1 pulstar-buffalo reactor
NT1 pulstar-raleigh reactor
NT1 r-1 reactor
NT1 r-2 reactor
NT1 r-a reactor
NT1 r2-0 reactor
NT1 ra-0 reactor
NT1 ra-2 reactor
NT1 ra-3 reactor
NT1 ra-4 reactor
NT1 ra-5 reactor
NT1 ra-6 reactor
NT1 ra-8 reactor
NT1 rake-2 reactor
NT1 rana reactor
NT1 rb-1 reactor
NT1 rg-1m reactor
NT1 rien-1 reactor
NT1 rinsc reactor
NT1 ritmo reactor
NT1 romashka reactor
NT1 rp-10 reactor
NT1 rpt reactor
NT1 rts-1 reactor
NT1 rv-1 reactor
NT1 sbr-1 reactor
NT1 sbr-2 reactor
NT1 sbr-5 reactor
NT1 scarabee reactor
NT1 silene reactor
NT1 slowpoke type reactors
NT2 slowpoke-alberta reactor
NT2 slowpoke-dalhousie reactor
NT2 slowpoke-montreal reactor
NT2 slowpoke-ottawa reactor
NT2 slowpoke-toronto reactor
NT2 slowpoke-wnre reactor
NT1 sneak reactor
NT1 sora reactor
NT1 spert-1 reactor
NT1 spr-2 reactor
NT1 spr-3 reactor
NT1 spr-4 reactor
NT1 sr-1 reactor
NT1 sr-oa reactor
NT1 srrc-utr-100 reactor
NT1 stf reactor
NT1 supo reactor
NT1 swierk r-2 reactor
NT1 taiwan research reactor
NT1 tapiro reactor
NT1 tca reactor
NT1 thetis reactor
NT1 thor reactor
NT1 tibr reactor
NT1 tory-2a reactor
NT1 toshiba reactor
NT1 tr-1 reactor
NT1 tr-2 reactor
NT1 triga-1-michigan reactor
NT1 triton reactor
NT1 trr-1 reactor
NT1 tsr-2 reactor
NT1 uftr reactor
NT1 uknr reactor
NT1 umne-1 reactor
NT1 umrr reactor

NT1 utr-10-kinki reactor
NT1 utrr reactor
NT1 uvar reactor
NT1 vera reactor
NT1 viper reactor
NT1 vpi-utr-10 reactor
NT1 wrrr reactor
NT1 wsur reactor
NT1 wtr reactor
NT1 wwr-2 reactor
NT1 wwr-k-almaty reactor
NT1 wwr-m-kiev reactor
NT1 wwr-m-leningrad reactor
NT1 wwr-s-bucharest reactor
NT1 wwr-s-cairo reactor
NT1 wwr-s-moscow reactor
NT1 wwr-s-prague reactor
NT1 wwr-s-tashkent reactor
NT1 wwr-sm rossendorf reactor
NT1 wwr-z reactor
NT1 x-10 reactor
NT1 xapr reactor
NT1 zebra reactor
NT1 zeep reactor
NT1 zenith reactor
NT1 zerlina reactor
NT1 zlfr reactor
NT1 zppr reactor

RESELLERS

INIS: Apr 1992; ETDE: Sep 1979
UF *wholesale buyers*
UF *wholesale sellers*
UF *wholesalers*
BT1 marketers
RT commercial sector
RT competition
RT economics
RT industry
RT market

RESERPINE

*BT1 alkaloids
*BT1 antihypertensive agents
*BT1 hypnotics and sedatives
*BT1 indoles
*BT1 sympatholytics
*BT1 tranquilizers

reserve capacity

Use capacity

RESERVES

(Available and economically recoverable natural resources.)
UF *ore reserves*
UF+ *fossil fuel reserves*
BT1 resources
NT1 coal reserves
NT1 strategic petroleum reserve
NT1 thorium reserves
NT1 uranium reserves
NT1 us naval oil shale reserves
NT1 us naval petroleum reserves
RT natural gas deposits
RT oil sand deposits
RT oil shale deposits
RT petroleum deposits
RT resource assessment
RT resource exploitation
RT stockpiles

RESERVOIR ENGINEERING

INIS: May 1992; ETDE: Mar 1977
BT1 engineering
RT reservoir rock
RT water reservoirs

RESERVOIR FLUIDS

INIS: Apr 1992; ETDE: Mar 1979
BT1 fluids
RT drawdown
RT interstitial water
RT natural gas fields
RT oil fields

reservoir gas saturation

Use gas saturation

RESERVOIR PRESSURE

INIS: Jul 1986; ETDE: Sep 1978
UF *datum pressure*
UF *formation pressure*
UF *initial reservoir pressure*
UF *sand pressure*
UF *shutin pressure*
UF *static reservoir pressure*
NT1 well pressure
RT aquifers
RT geologic formations
RT geopressured systems
RT ground water

RESERVOIR ROCK

INIS: Jan 1992; ETDE: Mar 1976
(Porous and permeable rock containing producible oil, gas, or geothermal fluid in its pore spaces.)
RT carbonate rocks
RT formation damage
RT fractured reservoirs
RT gas saturation
RT heterogeneous effects
RT interstitial water
RT natural gas fields
RT oil fields
RT oil saturation
RT plugging
RT plugging agents
RT reservoir engineering
RT rocks
RT sand
RT source rocks
RT water influx
RT water saturation

RESERVOIR TEMPERATURE

INIS: Jul 1992; ETDE: Dec 1978
NT1 well temperature
RT temperature measurement

reservoirs (water)

Use water reservoirs

resid

Use petroleum residues

RESIDENCE HALF-TIME

INIS: Dec 1982; ETDE: Dec 1982
RT earth atmosphere
RT fallout
RT half-life
RT radioactivity

residences

Use houses

RESIDENTIAL BUILDINGS

INIS: Mar 1992; ETDE: Apr 1978
UF *dormitories*
BT1 buildings
NT1 apartment buildings
NT1 houses
NT1 mobile homes
RT hotels
RT households
RT toilets

RESIDENTIAL SECTOR

INIS: Mar 1993; ETDE: Apr 1976
SF *end use sector*
RT commercial sector
RT communities
RT households
RT human populations
RT mobile homes
RT rural areas
RT sectoral analysis
RT service sector
RT urban areas

residual fuel oil

Use residual fuels

RESIDUAL FUELS

INIS: May 1992; ETDE: Jan 1976
UF *bunker oils*
UF *heavy fuels*
UF *nos. 4, 5, and 6 fuel oils*
UF *nos. 5 and 6 burner oils*
UF *residual fuel oil*
UF *residuums*
*BT1 fuel oils
RT petroleum residues
RT rose process

residual heat removal

Use rhr systems

residual-heat removal

Use after-heat removal

RESIDUAL INTERACTIONS

BT1 interactions

residual oils

Use petroleum residues

RESIDUAL PETROLEUM

INIS: Oct 1992; ETDE: Jul 1976
(Liquid petroleum remaining in the formation at the end of a specified production process.)
*BT1 petroleum

RESIDUAL POWER

(Radiation power released by decaying fission products in irradiated nuclear fuel after irradiation has ceased, e.g., after reactor shutdown.)
*BT1 nuclear power
RT after-heat
RT reactor shutdown

RESIDUAL STRESSES

BT1 stresses

RESIDUES

NT1 ashes
NT2 fly ash
NT1 gangue
NT1 smokes
NT2 tobacco smokes
RT wastes

residues (mathematical)

Use integral calculus
AND singularity

residues (radioactive)

Use radioactive wastes

residuums

Use residual fuels

RESINITE

INIS: Apr 1996; ETDE: Mar 1996
BT1 macerals

RESINS

*BT1 organic polymers

*BT1 petrochemicals
RT araldite
RT bakelite
RT desiccants
RT epoxides
RT ion exchange chromatography
RT ion exchange materials
RT matrix materials

resist
See masking

resistal
Use copper base alloys

resistance heating
Use electric heating

RESISTANCE WELDING
(Prior to March 1997 PROJECTION WELDING was a valid ETDE descriptor.)
UF *projection welding*
*BT1 welding
NT1 flash welding

resistivity (electric)
Use electric conductivity

RESISTIVITY LOGGING
INIS: Apr 1984; ETDE: Jun 1976
UF *focussed logging*
UF *guard logging*
UF *laterologging*
*BT1 electric logging
RT electrical surveys
RT induction logging

RESISTIVITY SURVEYS
INIS: Mar 1983; ETDE: Mar 1980
(Surveys of ground resistivity. Until March 1999 this concept was indexed by ELECTRICAL SURVEYS.)
*BT1 electrical surveys

RESISTORS
(Prior to August 1996 RHEOSTATS was a valid ETDE descriptor.)
UF *potentiometers (variable resistors)*
UF *rheostats*
*BT1 electrical equipment
NT1 photoresistors
NT1 semiconductor resistors
RT conductor devices
RT potentiometers
RT thermistors
RT voltage drop

RESOLUTION
NT1 energy resolution
NT1 linear momentum resolution
NT1 mass resolution
NT1 spatial resolution
NT1 time resolution
RT accuracy
RT comparative evaluations
RT electron microscopy
RT errors
RT particle discrimination
RT performance
RT sensitivity
RT signal-to-noise ratio

RESONANCE
UF+ *analog resonances (isobaric)*
NT1 cyclotron resonance
NT2 azbel-kaner resonance
NT2 electron cyclotron-resonance
NT2 ion cyclotron-resonance
NT1 electric resonance
NT2 paraelectric resonance
NT1 fermi resonance
NT1 giant resonance
NT1 helicon resonance
NT1 hybrid resonance
NT1 intermediate resonance
NT1 level mixing resonance
NT1 magnetic resonance
NT2 eldor
NT2 electron spin resonance
NT3 acoustic esr
NT2 endor
NT2 ferrimagnetic resonance
NT2 ferromagnetic resonance
NT2 nuclear magnetic resonance
NT3 acoustic nmr
NT3 td-nmr
NT1 nuclear quadrupole resonance
RT bump-in-tail instability
RT giant resonance model
RT harmonics
RT mode conversion
RT multilevel analysis
RT reich-moore formula
RT resonance fluorescence
RT resonance integrals
RT resonance particles
RT resonance scattering
RT resonators
RT synchronization
RT tuning

RESONANCE ABSORPTION
*BT1 absorption

resonance cavities
Use cavity resonators

RESONANCE ESCAPE PROBABILITY
RT dancoff correction
RT multiplication factors

RESONANCE FLUORESCENCE
INIS: Jul 1980; ETDE: Aug 1980
*BT1 fluorescence
RT moessbauer effect
RT resonance
RT resonance scattering

RESONANCE INTEGRALS
BT1 integrals
RT resonance

RESONANCE IONIZATION MASS SPECTROSCOPY
INIS: Mar 1986; ETDE: Apr 1985
SF *rims*
*BT1 mass spectroscopy
RT icp mass spectroscopy

RESONANCE NEUTRONS
*BT1 neutrons
RT fission ratio
RT intermediate neutrons
RT intermediate reactors

RESONANCE PARTICLES
*BT1 hadrons
NT1 exotic resonances
RT dalitz plot
RT deck effect
RT prism plot
RT resonance

RESONANCE SCATTERING
*BT1 inelastic scattering
RT acoustic esr
RT acoustic nmr
RT deep inelastic scattering
RT resonance
RT resonance fluorescence

resonance states
Use energy levels

resonance test reactor savannah
Use rtr reactor

RESONATING-GROUP METHOD
*BT1 variational methods
RT nuclear reaction kinetics
RT nucleon-nucleon potential
RT scattering
RT two-body problem

RESONATORS
INIS: Sep 1979; ETDE: Feb 1979
*BT1 electronic equipment
NT1 cavity resonators
NT2 superconducting cavity resonators
RT microwave equipment
RT oscillators
RT pulse techniques
RT resonance
RT rf systems

resorcin
Use resorcinol

RESORCINOL
UF *1,3-dihydroxybenzene*
UF *dihydroxybenzene-meta*
UF *resorcin*
BT1 developers
*BT1 polyphenols

RESOURCE ASSESSMENT
INIS: Dec 1982; ETDE: Nov 1977
(Techniques to determine resource potential.)
RT energy source development
RT probabilistic estimation
RT rangelands
RT reserves

RESOURCE CONSERVATION
INIS: Dec 1982; ETDE: Sep 1975
UF *conservation (resource)*
UF *conservation (resources)*
NT1 soil conservation
RT energy conservation
RT interchangeability
RT life cycle assessment
RT recycling
RT resource depletion
RT resource recovery acts
RT resources

RESOURCE DEPLETION
INIS: Feb 1993; ETDE: Jul 1977
RT resource conservation
RT resource exploitation
RT resources
RT severance tax
RT sustainable development
RT us depletion allowances

RESOURCE DEVELOPMENT
INIS: Mar 1992; ETDE: Dec 1978
NT1 sustainable development
RT economic development
RT energy source development
RT resources

RESOURCE EXPLOITATION
INIS: Apr 1995; ETDE: May 1995
SF *exploitation*
RT leasing
RT mining
RT petroleum industry
RT reserves
RT resource depletion
RT sustainable development

RESOURCE MANAGEMENT
INIS: Apr 1992; ETDE: Jun 1985
BT1 management
RT energy management
RT energy source development
RT mineral resources
RT property management
RT resources
RT sustainable development

RESOURCE POTENTIAL
INIS: Apr 1993; ETDE: Jun 1978
(Capability of resources for development.)
RT energy source development
RT exploration
RT mineral resources
RT resources

RESOURCE RECOVERY ACTS
INIS: Jun 1992; ETDE: Jun 1992
(Prior to February 1992 this was a valid ETDE descriptor.)
UF *us resource recovery acts*
BT1 laws
RT energy conservation
RT regulations
RT resource conservation
RT waste disposal acts

RESOURCE RECOVERY FACILITIES
INIS: Jul 1992; ETDE: Mar 1979
UF *facilities (resource recovery)*
BT1 energy facilities
*BT1 waste processing plants
RT energy recovery
RT materials recovery
RT refuse derived fuels

RESOURCES
INIS: Aug 1976; ETDE: Feb 1975
(The totality of the discovered and undiscovered quantities of a particular mineral or similar commodity.)
SF *renewable resources*
NT1 cultural resources
NT1 geothermal resources
NT1 land resources
NT1 mineral resources
NT2 coal deposits
NT3 coal seams
NT2 natural gas deposits
NT3 natural gas fields
NT4 gas condensate fields
NT2 oil shale deposits
NT3 us naval oil shale reserves
NT2 petroleum deposits
NT3 gas condensate fields
NT3 oil fields
NT3 us naval petroleum reserves
NT2 uranium deposits
NT3 blizzard deposit
NT3 erzgebirge deposit
NT3 jabiluka deposit
NT3 koongarra deposit
NT3 nabarlek deposit
NT3 ranger deposit
NT3 ranstad deposit
NT3 roxby downs deposit
NT3 south alligator deposit
NT3 yeelirrie deposit
NT1 nature reserves
NT1 reserves
NT2 coal reserves
NT2 strategic petroleum reserve
NT2 thorium reserves
NT2 uranium reserves
NT2 us naval oil shale reserves
NT2 us naval petroleum reserves
NT1 water resources
RT raw materials
RT resource conservation
RT resource depletion
RT resource development
RT resource management
RT resource potential

RESOX PROCESS
INIS: Apr 2000; ETDE: Apr 1977
(Proprietary process developed by Foster Wheeler using anthracite coal as catalyst and reducing agent to convert 90% of inlet sulfur dioxide to elemental sulfur.)
*BT1 desulfurization
RT materials recovery
RT sulfur
RT waste processing

respirable dusts
Use dusts

RESPIRATION
UF *breathing*
RT air
RT anoxia
RT blood
RT breath
RT capillaries
RT carboxyhemoglobin
RT diaphragm
RT hemoglobin
RT inhalation
RT krebs cycle
RT lungs
RT metabolism
RT methemoglobin
RT oxidoreductases
RT physiology
RT respirators
RT respiratory system
RT respiratory system diseases

RESPIRATORS
UF *masks*
UF *respiratory equipment*
RT aerosols
RT air
RT breath
RT dusts
RT face
RT filters
RT inhalation
RT life support systems
RT protective clothing
RT radiation protection
RT respiration
RT respiratory system

respiratory equipment
Use respirators

RESPIRATORY SYSTEM
NT1 bronchi
NT1 gills
NT1 larynx
NT1 lungs
NT1 nose
NT1 pharynx
NT1 trachea
RT air
RT breath
RT chest
RT inhalation
RT lavage
RT lung clearance
RT organs
RT respiration
RT respirators
RT respiratory system diseases

RESPIRATORY SYSTEM DISEASES
UF+ *bronchogenic carcinoma*
BT1 diseases
NT1 asthma
NT1 bronchitis
NT1 emphysema
NT1 pneumoconioses
NT2 berylliosis
NT1 pneumonia
NT2 bronchopneumonia
RT breath
RT respiration
RT respiratory system

RESPIRATORY TRACT CELLS
INIS: Nov 1978; ETDE: Nov 1977
UF *lung cells*
*BT1 somatic cells
RT bronchi
RT lungs

RESPONSE FUNCTIONS
(Describing the response of a system to external action.)
BT1 functions
RT electronic circuits
RT mathematical models
RT measuring instruments
RT mechanical structures
RT parametric analysis
RT sensitivity analysis
RT structural models

RESPONSE MATRIX METHOD
BT1 calculation methods
*BT1 reactor kinetics equations
RT criticality

RESPONSE MODIFYING FACTORS
(For biological effects.)
UF *protective chemicals*
UF+ *oxygen effect (radiobiology)*
SF *tumor necrosis factor*
NT1 radioprotective substances
NT2 aet
NT2 bal
NT2 cystamine
NT2 cystaphos
NT2 dtpa
NT2 gammaphos
NT2 glutathione
NT2 hydroxytryptophan
NT2 kallikrein
NT2 mea
NT2 meg
NT2 mercaptopropylamine
NT2 mexamine
NT2 mpg
NT2 penicillamine
NT2 serotonin
NT3 bufotenine
NT1 radiosensitizers
NT2 fudr
NT2 metronidazole
NT2 misonidazole
NT2 nem
NT2 triacetoneamine-n-oxyl
RT adrenalectomy
RT biological effects
RT biological recovery
RT mitogens
RT oxygen enhancement ratio
RT radiation effects
RT radiosensitivity

REST MASS
BT1 mass

RT relativity theory

RESTAURANTS
INIS: Apr 2000; ETDE: Jul 1978
UF *cafeterias*
UF *dining halls*
RT commercial buildings
RT commercial sector
RT food
RT food industry
RT small businesses

restoration
Use biological recovery

RESTRAINTS
INIS: Feb 1981; ETDE: Jul 1975
UF *pipe restraints*
NT1 reactor core restraints
RT damping
RT fasteners
RT pipe fittings
RT pipes
RT reactor cooling systems
RT shock absorbers
RT supports

resuspension
Use particle resuspension

resuspension (particles)
Use particle resuspension

retail buyers
Use retailers

RETAIL PRICES
INIS: Feb 1993; ETDE: Jun 1979
(From September 1979 until March 1996 CONSUMER PRICE INDEX was a valid ETDE descriptor.)
UF *consumer price index*
UF *consumer prices*
BT1 prices
RT retailers
RT wholesale prices

retail sellers
Use retailers

RETAILERS
INIS: Apr 1992; ETDE: May 1979
(Persons or organizations engaged in the sale of commodities or goods in small quantities to ultimate consumers.)
UF *retail buyers*
UF *retail sellers*
BT1 marketers
NT1 gasoline service stations
RT commercial sector
RT competition
RT economics
RT industry
RT market
RT marketing
RT prices
RT retail prices
RT small businesses

RETENTION
(In living organisms.)
RT animal tissues
RT biological availability
RT biological hot spots
RT biological localization
RT body
RT compartments
RT critical organs
RT deposition
RT edema
RT excretion
RT hot atom chemistry
RT maximum permissible body burden
RT organs
RT radionuclide kinetics
RT retention functions
RT uptake
RT whole-body counting

RETENTION FUNCTIONS
UF *excretion functions*
BT1 functions
RT compartments
RT radionuclide kinetics
RT retention
RT time dependence

reticular cells
Use reticuloendothelial system

RETICULOCYTES
*BT1 erythrocytes

RETICULOENDOTHELIAL SYSTEM
UF *kupffer cells*
UF *reticular cells*
*BT1 animal tissues
RT bone marrow
RT connective tissue
RT immune system diseases
RT liver
RT lymph nodes
RT lymphatic system
RT macrophages
RT phagocytosis
RT spleen

RETINA
*BT1 eyes
RT nervous system
RT rhodopsin

retinal pigment
Use rhodopsin

RETINOIC ACID
INIS: Apr 2000; ETDE: May 1982
*BT1 carboxylic acid esters
RT vitamin a

retinol
Use vitamin a

retorted shales
Use spent shales

RETORTING
INIS: Jul 1980; ETDE: Jan 1975
(The process of extracting a desirable substance from a naturally occurring deposit.)
SF *fushun process*
*BT1 decomposition
*BT1 ore processing
NT1 in-situ retorting
RT coking
RT destructive distillation
RT heating
RT hydrotorting process
RT hytort process
RT in-situ processing
RT lurgi-ruhrgas process
RT modified in-situ processes
RT ntu process
RT oil shales
RT process heat
RT pyrolysis
RT retorts
RT rope process
RT shell pellet heat exchanger retorting
RT t3 process

RETORTS
INIS: Jul 2000; ETDE: Apr 1975
UF *pumpherston retort*
BT1 chemical reactors
*BT1 distillation equipment
RT retorting

RETREAT MINING
INIS: Apr 2000; ETDE: Sep 1979
*BT1 underground mining
RT coal mining

retrieval systems
See materials handling
OR remote handling equipment
OR waste retrieval

RETROFITTING
INIS: Apr 1979; ETDE: Nov 1975
UF *backfitting*
RT buildings
RT construction
RT licensing regulations
RT modifications
RT safety standards
RT solar repowering

REVEGETATION
INIS: Jul 1976; ETDE: Jan 1975
(Process of providing a new vegetative cover for land previously stripped of vegetation.)
RT deforestation
RT erosion control
RT ground cover
RT land reclamation
RT plants
RT preferred species
RT soil conservation

REVERSE COMBUSTION
INIS: Apr 2000; ETDE: May 1976
*BT1 combustion
RT in-situ combustion

REVERSE-FIELD PINCH
INIS: Jan 2000; ETDE: Jan 1976
UF *trx-1*
BT1 pinch effect
RT artemis device
RT hbtx devices
RT magnetic field reversal
RT magnetic reconnection
RT mst device
RT reversed-field mirrors
RT rfx device
RT stx devices
RT tpe-1rm15 device
RT zt-40 devices
RT zt-p devices

reverse osmosis
Use osmosis

REVERSED-FIELD MIRRORS
INIS: Nov 1982; ETDE: Oct 1991
UF *field-reversed mirrors*
UF+ *field-reversed mirror reactors*
*BT1 magnetic mirrors
RT magnetic field reversal
RT reverse-field pinch

REVERSED-FIELD PINCH DEVICES
*BT1 toroidal pinch devices
NT1 artemis device
NT1 extrap-t2 device
NT1 hbtx devices
NT1 mst device
NT1 rfx device
NT1 tpe-1rm15 device

NT1 tpe-rx device
NT1 zt-40 devices
NT1 zt-p devices
RT beta ratio
RT electric currents
RT magnetic field configurations
RT rotational transform
RT toroidal configuration

REVERSED SHEAR
INIS: Jul 1999; ETDE: Sep 1999
RT rotational transform
RT shear

reversible turbines
Use pump turbines

REVERTANTS
INIS: Nov 1978; ETDE: Dec 1978
BT1 mutants
RT mutations

REVIEWS
(Critical assessment of work and data usually accompanied by an extensive bibliography.)
BT1 document types
RT research programs

REWETTING
INIS: Aug 1975; ETDE: Aug 1976
RT dryout
RT heat transfer
RT hot spots
RT surfaces

rexco process
See coal

REYNOLDS NUMBER
NT1 magnetic reynolds number
RT fluid flow
RT friction factor
RT grashof number
RT turbulent flow
RT viscous flow

rez lr-0 reactor
Use lr-0 reactor

rez tr-0 reactor
Use tr-0 reactor

rezistal
Use chromium alloys
AND iron base alloys
AND nickel alloys

RF SYSTEMS
UF *radiofrequency systems*
RT cavity resonators
RT cyclic accelerators
RT gyrocons
RT klystrons
RT lasertrons
RT magnetrons
RT microwave power transmission
RT power supplies
RT radio equipment
RT radiowave radiation
RT resonators
RT squid devices
RT superconducting cavity resonators
RT travelling wave tubes
RT tuning

RFLPS
INIS: Jul 1991; ETDE: Oct 1987
(Restriction Fragment Length Polymorphisms.)
RT chromosomes
RT endonucleases
RT genes
RT genetic mapping
RT genetic variability
RT human chromosomes

rfq (accelerators)
Use quadrupole linacs

RFX DEVICE
(Reversed-Field Experiment at the University of Padua, Italy.)
*BT1 reversed-field pinch devices
RT reverse-field pinch

RG-1M REACTOR
UF *norilsk research reactor rg-1m*
*BT1 enriched uranium reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

RHABDOMYOSARCOMAS
*BT1 myosarcomas

rhagoletis cerasi
Use fruit flies

RHEINSBERG AKW1 REACTOR
(Gransee, Rheinsberg, Federal Republic of Germany.)
UF *akw1 rheinsberg reactor*
UF *atomkraftwerk rheinsberg akw1 reaktor*
*BT1 pwr type reactors

RHENATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 oxygen compounds
*BT1 rhenium compounds
RT rhenium oxides

RHENIUM
*BT1 refractory metals
*BT1 transition elements

RHENIUM 161
INIS: Sep 1979; ETDE: Oct 1979
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 rhenium isotopes

RHENIUM 162
INIS: Sep 1979; ETDE: Oct 1979
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rhenium isotopes

RHENIUM 163
INIS: Sep 1979; ETDE: Oct 1979
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 rhenium isotopes

RHENIUM 164
INIS: Sep 1979; ETDE: Oct 1979
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rhenium isotopes

RHENIUM 165
INIS: Sep 1983; ETDE: Jul 1983
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 rhenium isotopes
*BT1 seconds living radioisotopes

RHENIUM 166
INIS: Apr 1979; ETDE: May 1979
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 rhenium isotopes
*BT1 seconds living radioisotopes

RHENIUM 167
INIS: Apr 1979; ETDE: May 1979
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 rhenium isotopes
*BT1 seconds living radioisotopes

RHENIUM 168
INIS: Nov 1978; ETDE: Dec 1978
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 rhenium isotopes
*BT1 seconds living radioisotopes

RHENIUM 169
INIS: Nov 1978; ETDE: Dec 1978
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 rhenium isotopes
*BT1 seconds living radioisotopes

RHENIUM 170
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 rhenium isotopes
*BT1 seconds living radioisotopes

RHENIUM 171
INIS: Sep 1987; ETDE: Oct 1987
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 rhenium isotopes
*BT1 seconds living radioisotopes

RHENIUM 172
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 rhenium isotopes
*BT1 seconds living radioisotopes

RHENIUM 173
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rhenium isotopes

RHENIUM 174
*BT1 beta-plus decay radioisotopes

*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rhenium isotopes

RHENIUM 175
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rhenium isotopes

RHENIUM 176
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rhenium isotopes

RHENIUM 177
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rhenium isotopes

RHENIUM 178
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rhenium isotopes

RHENIUM 179
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rhenium isotopes

RHENIUM 180
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rhenium isotopes

RHENIUM 181
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 odd-even nuclei
*BT1 rhenium isotopes

RHENIUM 182
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei
*BT1 rhenium isotopes

RHENIUM 183
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 odd-even nuclei
*BT1 rhenium isotopes

RHENIUM 184
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 rhenium isotopes

RHENIUM 184 TARGET
INIS: Sep 1979; ETDE: Apr 1977
BT1 targets

RHENIUM 185
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 rhenium isotopes
*BT1 stable isotopes

RHENIUM 185 TARGET
BT1 targets

RHENIUM 186
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 rhenium isotopes
*BT1 years living radioisotopes

RHENIUM 186 TARGET
BT1 targets

RHENIUM 187
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 rhenium isotopes
*BT1 stable isotopes
*BT1 years living radioisotopes

RHENIUM 187 TARGET
BT1 targets

RHENIUM 188
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rhenium isotopes

RHENIUM 189
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 odd-even nuclei
*BT1 rhenium isotopes

RHENIUM 190
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rhenium isotopes

RHENIUM 191
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rhenium isotopes

RHENIUM 192
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 rhenium isotopes
*BT1 seconds living radioisotopes

RHENIUM ADDITIONS
(Alloys containing not more than 1% Re are listed here.)
*BT1 rhenium alloys

RHENIUM ALLOYS
(Alloys containing more than 1% Re.)
*BT1 transition element alloys
NT1 rhenium additions
NT1 rhenium base alloys

RHENIUM BASE ALLOYS
*BT1 rhenium alloys

RHENIUM BORIDES
*BT1 borides
*BT1 rhenium compounds

RHENIUM BROMIDES
*BT1 bromides
*BT1 rhenium halides

RHENIUM CARBIDES
*BT1 carbides
*BT1 rhenium compounds

RHENIUM CARBONATES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 carbonates
*BT1 rhenium compounds

RHENIUM CHLORIDES
*BT1 chlorides
*BT1 rhenium halides

RHENIUM COMPLEXES
*BT1 transition element complexes

RHENIUM COMPOUNDS
UF+ *rhenium hydroxides*
BT1 refractory metal compounds
BT1 transition element compounds
NT1 perrhenates
NT1 rhenates
NT1 rhenium borides
NT1 rhenium carbides
NT1 rhenium carbonates
NT1 rhenium halides
NT2 rhenium bromides
NT2 rhenium chlorides
NT2 rhenium fluorides
NT2 rhenium iodides
NT1 rhenium hydrides
NT1 rhenium nitrides
NT1 rhenium oxides
NT1 rhenium selenides
NT1 rhenium silicides
NT1 rhenium sulfates
NT1 rhenium sulfides
NT1 rhenium tellurides

RHENIUM FLUORIDES
*BT1 fluorides
*BT1 rhenium halides

RHENIUM HALIDES
INIS: Sep 1991; ETDE: Jul 1975
*BT1 halides
*BT1 rhenium compounds
NT1 rhenium bromides
NT1 rhenium chlorides
NT1 rhenium fluorides
NT1 rhenium iodides

RHENIUM HYDRIDES
INIS: Nov 1979; ETDE: Jan 1975
*BT1 hydrides
*BT1 rhenium compounds

rhenium hydroxides
Use hydroxides
AND rhenium compounds

RHENIUM IODIDES
INIS: Jan 1979; ETDE: Dec 1976
*BT1 iodides
*BT1 rhenium halides

RHENIUM IONS
*BT1 ions

RHENIUM ISOTOPES
BT1 isotopes
NT1 rhenium 161
NT1 rhenium 162
NT1 rhenium 163
NT1 rhenium 164
NT1 rhenium 165
NT1 rhenium 166
NT1 rhenium 167
NT1 rhenium 168
NT1 rhenium 169
NT1 rhenium 170
NT1 rhenium 171
NT1 rhenium 172
NT1 rhenium 173
NT1 rhenium 174
NT1 rhenium 175
NT1 rhenium 176
NT1 rhenium 177
NT1 rhenium 178
NT1 rhenium 179
NT1 rhenium 180
NT1 rhenium 181
NT1 rhenium 182
NT1 rhenium 183
NT1 rhenium 184
NT1 rhenium 185
NT1 rhenium 186
NT1 rhenium 187
NT1 rhenium 188
NT1 rhenium 189
NT1 rhenium 190
NT1 rhenium 191
NT1 rhenium 192

RHENIUM NITRIDES
INIS: Jun 1977; ETDE: Jan 1975
*BT1 nitrides
*BT1 rhenium compounds

rhenium ores
Use ores

RHENIUM OXIDES
*BT1 oxides
*BT1 rhenium compounds
RT perrhenates
RT rhenates

RHENIUM SELENIDES
INIS: Sep 1991; ETDE: Jan 1975
*BT1 rhenium compounds
*BT1 selenides

RHENIUM SILICIDES
INIS: Nov 1978; ETDE: Dec 1978
*BT1 rhenium compounds
*BT1 silicides

RHENIUM SULFATES
INIS: Mar 1977; ETDE: Apr 1977
*BT1 rhenium compounds
*BT1 sulfates

RHENIUM SULFIDES
*BT1 rhenium compounds
*BT1 sulfides

RHENIUM TELLURIDES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 rhenium compounds
*BT1 tellurides

RHEOLOGY
INIS: Oct 1982; ETDE: Sep 1975
(Study of deformation and flow of matter.)
RT deformation
RT fluid flow
RT matter
RT mechanical properties
RT thixotropy
RT viscosity

rheostats
Use resistors

rhesus monkeys
Use macacus

RHEUMATIC DISEASES
UF *arthritis*
UF *rheumatoid diseases*
NT1 spondylitis
RT bone joints
RT bone tissues
RT skeletal diseases

rheumatoid diseases
Use rheumatic diseases

rhic (brookhaven)
Use brookhaven rhic

RHINE RIVER
*BT1 rivers
RT austria
RT federal republic of germany
RT france
RT netherlands
RT switzerland

RHIZOBIUM
INIS: May 1992; ETDE: Jan 1986
*BT1 bacteria
RT leguminosae
RT nitrogen fixation
RT symbiosis

rhizopterin
Use folic acid

RHIZOPUS
*BT1 eumycota

rho-1250 mesons
Use rho-1450 mesons

rho-1250 resonances
Use rho-1450 mesons

RHO-1450 MESONS
INIS: Dec 1975; ETDE: Aug 1995
(Until December 1987 this concept was indexed by RHO-1250 RESONANCES; from then until July 1995 it was indexed by RHO-1250 MESONS.)
UF *rho-1250 mesons*
UF *rho-1250 resonances*
*BT1 vector mesons

rho-1500 resonances
Use mesons

rho-1600 mesons
Use rho-1700 mesons

rho-1600 resonances
Use rho-1700 mesons

rho-1670 resonances
Use rho3-1690 mesons

RHO-1700 MESONS
(Until December 1987 this concept was indexed by RH0-1600 RESONANCES; from then until July 1995 it was indexed by RHO-1600 MESONS.)
UF *rho-1600 mesons*
UF *rho-1600 resonances*
UF *rho-prime resonances*
*BT1 vector mesons

rho-1700 resonances
Use mesons

RHO-2150 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 vector mesons

rho-765 resonances
Use rho-770 mesons

RHO-770 MESONS
(Prior to December 1987 this concept was indexed by RHO-765 RESONANCES.)
UF *rho-765 resonances*
*BT1 vector mesons

rho-prime resonances
Use rho-1700 mesons

RHO3-1690 MESONS
(Prior to December 1987 this concept was indexed by RHO-1670 RESONANCES.)
UF *g resonances*
UF *rho-1670 resonances*
*BT1 tensor mesons

RHO3-2250 MESONS
(Prior to December 1987 this concept was indexed by T-2200RESONANCES.)
UF *t-2200 resonances*
*BT1 tensor mesons

RHO5-2350 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 tensor mesons

RHODAMINES
*BT1 amines
BT1 dyes
*BT1 heterocyclic acids
*BT1 organic oxygen compounds
BT1 reagents
RT phthalic acid

rhodanates
Use thiocyanates

rhodanides
Use thiocyanates

RHODE ISLAND
*BT1 usa
RT us east coast

rhode island nuclear science center reactor
Use rinsc reactor

rhodesia (northern)
Use zambia

rhodesia (southern)
Use southern rhodesia

RHODIUM
*BT1 platinum metals
*BT1 refractory metals

RHODIUM 100
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rhodium isotopes

RHODIUM 101
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 rhodium isotopes
*BT1 years living radioisotopes

RHODIUM 102
*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 rhodium isotopes

RHODIUM 103
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rhodium isotopes
*BT1 stable isotopes

RHODIUM 103 TARGET
BT1 targets

RHODIUM 104
*BT1 beta-minus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rhodium isotopes
*BT1 seconds living radioisotopes

RHODIUM 105
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 rhodium isotopes
*BT1 seconds living radioisotopes

RHODIUM 106
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 rhodium isotopes
*BT1 seconds living radioisotopes

RHODIUM 107
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rhodium isotopes

RHODIUM 108
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rhodium isotopes
*BT1 seconds living radioisotopes

RHODIUM 109
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rhodium isotopes

RHODIUM 110
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 rhodium isotopes
*BT1 seconds living radioisotopes

RHODIUM 111
INIS: Jan 1979; ETDE: Feb 1979
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 rhodium isotopes
*BT1 seconds living radioisotopes

RHODIUM 112
INIS: Jan 1985; ETDE: Feb 1975
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 rhodium isotopes
*BT1 seconds living radioisotopes

RHODIUM 113
INIS: Nov 1988; ETDE: Dec 1988
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 rhodium isotopes
*BT1 seconds living radioisotopes

RHODIUM 114
INIS: Jun 1988; ETDE: Jul 1988
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 rhodium isotopes
*BT1 seconds living radioisotopes

RHODIUM 115
INIS: Nov 1988; ETDE: Dec 1988
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 rhodium isotopes

RHODIUM 116
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rhodium isotopes

RHODIUM 117
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 rhodium isotopes
*BT1 seconds living radioisotopes

RHODIUM 118
INIS: Dec 2000; ETDE: Nov 1999
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rhodium isotopes

RHODIUM 92
INIS: Mar 1999; ETDE: Mar 1999
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 rhodium isotopes
*BT1 seconds living radioisotopes

RHODIUM 94
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rhodium isotopes
*BT1 seconds living radioisotopes

RHODIUM 95
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rhodium isotopes

RHODIUM 96
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rhodium isotopes

RHODIUM 96 TARGET
INIS: Nov 1975; ETDE: Jul 1976
BT1 targets

RHODIUM 97
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rhodium isotopes

RHODIUM 98
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rhodium isotopes

RHODIUM 99
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 rhodium isotopes

RHODIUM ADDITIONS
(Alloys containing not more than 1% Rh are listed here.)
*BT1 rhodium alloys

RHODIUM ALLOYS
(Alloys containing more than 1% Rh.)
*BT1 platinum metal alloys
NT1 rhodium additions
NT1 rhodium base alloys

RHODIUM BASE ALLOYS
*BT1 rhodium alloys

RHODIUM BORIDES
INIS: Sep 1977; ETDE: Jan 1975
*BT1 borides
*BT1 rhodium compounds

RHODIUM BROMIDES
INIS: Feb 1976; ETDE: Nov 1975
*BT1 bromides
*BT1 rhodium compounds

RHODIUM CARBIDES
*BT1 carbides
*BT1 rhodium compounds

RHODIUM CHLORIDES
*BT1 chlorides
*BT1 rhodium compounds

RHODIUM COMPLEXES
*BT1 transition element complexes

RHODIUM COMPOUNDS
UF+ *rhodium hydroxides*
UF+ *rhodium nitrides*
BT1 refractory metal compounds
BT1 transition element compounds
NT1 rhodium borides
NT1 rhodium bromides
NT1 rhodium carbides
NT1 rhodium chlorides
NT1 rhodium fluorides
NT1 rhodium hydrides
NT1 rhodium oxides
NT1 rhodium phosphides
NT1 rhodium selenides
NT1 rhodium silicides
NT1 rhodium sulfides
NT1 rhodium tellurides

RHODIUM FLUORIDES
*BT1 fluorides
*BT1 rhodium compounds

RHODIUM HYDRIDES
INIS: Nov 1978; ETDE: Jun 1975
*BT1 hydrides
*BT1 rhodium compounds

rhodium hydroxides
Use hydroxides
AND rhodium compounds

RHODIUM IONS
*BT1 ions

RHODIUM ISOTOPES
BT1 isotopes
NT1 rhodium 100
NT1 rhodium 101
NT1 rhodium 102
NT1 rhodium 103
NT1 rhodium 104
NT1 rhodium 105
NT1 rhodium 106
NT1 rhodium 107
NT1 rhodium 108
NT1 rhodium 109
NT1 rhodium 110
NT1 rhodium 111
NT1 rhodium 112
NT1 rhodium 113
NT1 rhodium 114
NT1 rhodium 115
NT1 rhodium 116
NT1 rhodium 117
NT1 rhodium 118
NT1 rhodium 92
NT1 rhodium 94
NT1 rhodium 95
NT1 rhodium 96
NT1 rhodium 97
NT1 rhodium 98
NT1 rhodium 99

rhodium nitrides
Use nitrides
AND rhodium compounds

RHODIUM OXIDES
*BT1 oxides
*BT1 rhodium compounds

RHODIUM PHOSPHIDES
INIS: Apr 2000; ETDE: Jul 1976
*BT1 phosphides
*BT1 rhodium compounds

RHODIUM SELENIDES
INIS: Apr 2000; ETDE: Mar 1976
*BT1 rhodium compounds
*BT1 selenides

RHODIUM SILICIDES
INIS: Aug 1987; ETDE: Jul 1985
*BT1 rhodium compounds
*BT1 silicides

RHODIUM SULFIDES
INIS: Sep 1991; ETDE: Nov 1975
*BT1 rhodium compounds
*BT1 sulfides

RHODIUM TELLURIDES
INIS: Sep 1991; ETDE: Jul 1976
*BT1 rhodium compounds
*BT1 tellurides

RHODIZONIC ACID
*BT1 hydroxy compounds
*BT1 quinones
BT1 reagents
RT organic acids

RHODOCOCCUS
INIS: Apr 2000; ETDE: Nov 1992
*BT1 sulfur-oxidizing bacteria
RT coal preparation
RT desulfurization

RHODOPHYCOTA
INIS: Dec 1991; ETDE: Dec 1988
*BT1 algae
NT1 porphyra

RHODOPSEUDOMONAS
*BT1 photosynthetic bacteria

RHODOPSIN
INIS: Mar 1986; ETDE: Sep 1983
(A brilliant red photosensitive pigment.)
UF *retinal pigment*
UF *visual purple*
BT1 pigments
*BT1 proteins
RT retina

RHODOSPIRILLUM
*BT1 photosynthetic bacteria

rhombohedral lattices
Use trigonal lattices

RHONE RIVER
*BT1 rivers
RT france
RT switzerland

rhr
Use after-heat removal

RHR SYSTEMS
INIS: Apr 2000; ETDE: Jan 1975
UF *residual heat removal*
*BT1 reactor cooling systems
RT after-heat removal

RHYOLITES
INIS: Aug 1978; ETDE: Nov 1975
(A group of extrusive igneous rocks generally porphyritic and containing small phenocrysts of quartz and alkali feldspar set in a glassy or cryptocrystalline ground mass. From April 1975 till March 1997 PUMICE was a valid ETDE descriptor.)
SF *pumice*
*BT1 volcanic rocks
RT feldspars
RT granites
RT perlite
RT silicon oxides

RHYTHMICITY
RT estrous cycle
RT menstrual cycle

ria (radioimmunoassay)
Use radioimmunoassay

ria (reactor accidents)
See reactor accidents

RIBBON-TO-RIBBON METHOD
INIS: Apr 2000; ETDE: Feb 1980
(A float-zone crystal growth method where the polycrystalline ribbon is fed into a preheated region, melted, and recrystallized.)
UF *rtr method*
BT1 crystal growth methods
RT crystal growth
RT ribbon-to-sheet method
RT sheets
RT zone melting

RIBBON-TO-SHEET METHOD
INIS: Apr 2000; ETDE: Jul 1981
BT1 crystal growth methods
RT ribbon-to-ribbon method
RT sheets

RIBOFLAVIN
UF *vitamin b-2*
*BT1 vitamin b group
RT ribose

ribonuclease
Use rna-ase

ribonucleic acid
Use rna

RIBOSE
*BT1 aldehydes
*BT1 pentoses
RT riboflavin

RIBOSIDES
NT1 nucleosides
NT2 adenosine
NT2 budr
NT2 cytidine
NT2 deoxycytidine
NT2 deoxyuridine
NT2 fudr
NT2 guanosine
NT2 inosine
NT2 iododeoxyuridine
NT2 thymidine
NT2 uridine
RT deoxyribose
RT nucleic acids
RT pentoses

RIBOSOMAL RNA
INIS: Apr 1990; ETDE: Nov 1985
UF *r-rna*
*BT1 rna
RT nucleoli
RT ribosomes

RIBOSOMES
BT1 cell constituents
NT1 microsomes
RT codons
RT ribosomal rna
RT rna
RT subcellular distribution

RIBULOSE
*BT1 ketones
*BT1 pentoses

RIBULOSE DIPHOSPHATE CARBOXYLASE
INIS: Apr 2000; ETDE: Oct 1985
*BT1 carboxy-lyases
RT carbon cycle
RT carbon dioxide fixation
RT chloroplasts
RT photosynthesis

RIC PROCESS
INIS: Apr 2000; ETDE: Apr 1975
*BT1 desulfurization

RICCATI EQUATION
*BT1 differential equations

RICCI TENSOR
BT1 tensors
RT riemann space

RICE
UF *oryza*
*BT1 cereals

RICE STEM BORERS
*BT1 moths

richardson-dushman equation
Use richardson equation

RICHARDSON EQUATION
UF *richardson-dushman equation*
BT1 equations
RT thermionics

RICHARDSON NUMBER
RT turbulent flow

RICHLAND
INIS: Apr 1992; ETDE: Mar 1979
BT1 urban areas
*BT1 washington

richland fftf reactor
Use fftf reactor

richland npr reactor
Use n-reactor

richland physical constants test reactor
Use pctr reactor

richland power-plutonium production reactor
Use n-reactor

ricinum communis
Use castor

RICKETS
UF *rachitis*
*BT1 metabolic diseases
*BT1 skeletal diseases
RT bone tissues
RT vitamin d

RICKETTSIAE
BT1 microorganisms
RT insects
RT rickettsial diseases
RT typhus

RICKETTSIAL DISEASES
INIS: Dec 1982; ETDE: Jan 1981
*BT1 infectious diseases
NT1 typhus
RT host
RT rickettsiae

ridesharing
See carpooling
OR vanpooling

riehl-schon model
Use crystals
AND photovoltaic effect

riemann curvature tensor
Use riemann space

RIEMANN FUNCTION
BT1 functions
RT differential equations

riemann geometry
Use riemann space

riemann manifolds
Use riemann space

riemann metric
Use riemann space

RIEMANN SHEET
UF *riemann surface*
RT functions

RIEMANN SPACE
UF *riemann curvature tensor*
UF *riemann geometry*
UF *riemann manifolds*
UF *riemann metric*
UF *riemann sphere*
*BT1 mathematical space
NT1 euclidean space
RT curvilinear coordinates
RT ricci tensor
RT smooth manifolds

riemann sphere
Use riemann space

riemann surface
Use riemann sheet

riemann waves
Use shock waves

RIEN-1 REACTOR
(Instituto de Energenharia Nuclear/Nuclebras, Rio de Janeiro, Brazil)
UF *argonauta rien-1 reactor*
UF *argonauta rio reactor*
UF *instituto engenhoria nuclear rio reactor*
*BT1 argonaut type reactors
*BT1 research reactors
*BT1 training reactors

RIFT ZONES
INIS: Jun 1992; ETDE: Sep 1975
(Until June 1992, this concept was indexed by GEOLOGIC FAULTS.)
UF *zones (rift)*
BT1 geologic structures
RT geologic faults
RT rio grande rift

RIGHI-LEDUC EFFECT
RT hall effect
RT heat transfer
RT magnetic fields
RT thermal conductivity

RIGHTS-OF-WAY
INIS: Jun 1993; ETDE: Mar 1979
RT eminent domain
RT land use
RT legal aspects
RT pipelines
RT power transmission lines

riken linac
Use rilac

riken ssc
Use ipcr cyclotron

rikkyo university triga-mk-2 reactor
Use triga-2-rikkyo reactor

rikkyo university triga-mk-ii reactor
Use triga-2-rikkyo reactor

RILAC
INIS: May 1986; ETDE: Nov 1986
(Frequency-tunable heavy ion linac at Institute of Physical and Chemical Research, Saitama, Japan.)
UF *inst phys chem res rilac*
UF *ipcr linac*
UF *riken linac*
UF *saitama tunable heavy ion linac*
*BT1 heavy ion accelerators
*BT1 linear accelerators

riley-morgan process
Use coal gasification

rims
See resonance ionization mass spectroscopy

rinderpest
Use viral diseases

RING CHROMOSOMES
BT1 chromosomes

RING CURRENTS
*BT1 electric currents
RT electrojets

RING LASERS
INIS: Aug 1992; ETDE: Jun 1982
BT1 lasers

ring oven method
See chemical analysis

RINGHALS-1 REACTOR
(Ringhals, Vaeroebacka, Sweden)
*BT1 bwr type reactors

RINGHALS-2 REACTOR
(Ringhals, Vaeroebacka, Sweden)
*BT1 pwr type reactors

RINGHALS-3 REACTOR
(Ringhals, Vaeroebacka, Sweden)
*BT1 pwr type reactors

RINGHALS-4 REACTOR
INIS: Oct 1982; ETDE: Nov 1982
*BT1 pwr type reactors

ringotron
Use electron-ring accelerators

RINGS
RT configuration
RT shape
RT tori

rings (storage)
Use storage rings

RINSC REACTOR
(Rhode Island Atomic Energy Commission, Rhode Island Nuclear Science Center, Narragansett, Rhode Island, USA)
UF *rhode island nuclear science center reactor*
*BT1 pool type reactors
*BT1 research reactors

RIO BLANCO EVENT
BT1 plowshare project
*BT1 toggle operation
RT natural gas

RIO BLANCO OIL SHALE PROJECT
INIS: Apr 2000; ETDE: Mar 1976
UF *tract c-a prototype oil shale project*
RT colorado
RT oil shales

RIO DECLARATION
INIS: Sep 2000; ETDE: Nov 1999
(Rio Declaration on Environment and Development.)
*BT1 multilateral agreements
RT climatic change
RT emissions tax
RT emissions trading
RT environmental impacts
RT environmental policy
RT greenhouse effect

RIO GRANDE RIFT
INIS: Jun 1992; ETDE: Aug 1976
RT colorado
RT new mexico
RT rift zones

RIO GRANDE RIVER
INIS: Jun 1992; ETDE: Sep 1980
*BT1 rivers
RT colorado
RT mexico
RT new mexico
RT texas

RIOMETERS
BT1 measuring instruments

RIPENING
RT age dependence
RT growth
RT life cycle
RT physiology

risa
Use albumins
AND organic iodine compounds

RISE
INIS: Apr 2000; ETDE: Jun 1975
(Rise is a modified in-situ method of processing oil shale in which 20% of the mined shale is removed for retorting on the surface, the remainder is retorted in place making use of hot gas generated continuously from combustion of a portion of the oil shale, using an air stream. Rubble in-situ extraction.)
BT1 modified in-situ processes
RT in-situ retorting
RT oil shales

rise time
Use pulse rise time

riser cracking
Use coal liquefaction

rishon model
Use composite models

risk analysis
Use risk assessment

RISK ASSESSMENT
INIS: Dec 1976; ETDE: Sep 1977
(Prior to August 1985 RISK ANALYSIS was used.)
UF *risk analysis*
RT alara
RT energy source development
RT fuel cycle
RT fuel reprocessing plants
RT hazards
RT licensing regulations
RT nuclear power plants
RT probabilistic estimation
RT probability
RT radioactive waste management
RT reliability
RT safety analysis
RT seismicity
RT source terms

risks
Use hazards

RISOE NATIONAL LABORATORY
INIS: Apr 1978; ETDE: Jul 1978
(Prior to 1978 known as RISOE RESEARCH ESTABLISHMENT, and documents written before that date should be so indexed.)
*BT1 danish organizations
NT1 risoe research establishment

RISOE RESEARCH ESTABLISHMENT
INIS: Mar 1977; ETDE: Jun 1977
(Name changed in early 1978 to RISOE NATIONAL LABORATORY, and documents written after that date should be so indexed.)
UF *research establishment risoe*
*BT1 risoe national laboratory

RITAC DOSEMETERS
(Passive solid-state dosemeters based on Radiation Induced Thermally Activated Current.)
*BT1 dosemeters
RT ritad dosemeters

RITAD DOSEMETERS
(Integral solid-state dosemeters based on Radiation Induced Thermally Activated Depolarization.)
*BT1 dosemeters
RT dielectric materials
RT ritac dosemeters

ritchie-eldridge theory
See perturbation theory

RITMO REACTOR
(National Nuclear Energy Committee, Rome, Italy)
UF *rc-4 reactor casaccia*
UF *reattore casaccia-4*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 zero power reactors

RITZ METHOD
UF *rayleigh-ritz method*
UF *ritz variation method*
UF *ritz-rayleigh method*
BT1 calculation methods
RT variational methods

ritz-rayleigh method
Use ritz method

ritz variation method
Use ritz method

RIVER BEND-1 REACTOR
(St. Francisville, Louisiana, USA)
*BT1 bwr type reactors

RIVER BEND-2 REACTOR
(St. Francisville, Louisiana, USA)
*BT1 bwr type reactors

RIVER DELTAS
INIS: Jun 1992; ETDE: Aug 1983
BT1 coastal regions
RT rivers
RT sediments
RT shores
RT wetlands

RIVERS
(Bodies of flowing water, generally wide, contained within channels.)
UF+ *alaska river*
UF+ *crystal river*
UF+ *scioto river*
BT1 surface waters
NT1 allegheny river
NT1 altamaha river
NT1 amazon river
NT1 arkansas river
NT1 au sable river
NT1 blind river
NT1 brahmaputra river
NT1 brazos river
NT1 cape fear river
NT1 chattahoochee river
NT1 clinch river
NT1 colorado river
NT1 columbia river
NT1 connecticut river
NT1 cumberland river
NT1 danube river
NT1 delaware river
NT1 detroit river
NT1 dnieper river
NT1 dudvah river
NT1 fraser river
NT1 ganga river
NT1 grand river
NT1 gunnison river
NT1 hudson river
NT1 james river
NT1 kennebec river
NT1 lewis river
NT1 little tennessee river
NT1 menominee river

NT1 mississippi river
NT1 missouri river
NT1 mohawk river
NT1 nelson river
NT1 niagara river
NT1 niger river
NT1 nile river
NT1 north platte river
NT1 ohio river
NT1 ottawa river
NT1 peace river
NT1 piceance creek
NT1 po river
NT1 potomac river
NT1 pripet river
NT1 rhine river
NT1 rhone river
NT1 rio grande river
NT1 saginaw river
NT1 saint clair river
NT1 saint john river
NT1 santee river
NT1 savannah river
NT1 severn river
NT1 skagit river
NT1 st lawrence river
NT1 streams
NT1 susquehanna river
NT1 techa river
NT1 tennessee river
NT1 thames river
NT1 tigris river
NT1 vah river
NT1 volga river
NT1 white river
NT1 yangtze river
NT1 yellow creek
NT1 yellow river
NT1 yukon river
RT drainage
RT estuaries
RT flood control
RT fresh water
RT hydrology
RT inland waterways
RT river deltas
RT water currents
RT watersheds

riveting
Use fastening

rivets
Use fasteners

rkr method
Use rydberg-klein-rees method

rmprocess
Use sng processes

RNA
UF *ribonucleic acid*
*BT1 nucleic acids
NT1 messenger-rna
NT1 ribosomal rna
NT1 transfer rna
RT gene operons
RT in-situ hybridization
RT introns
RT microsomes
RT nucleoli
RT ribosomes
RT rna polymerases
RT splicing
RT strand breaks

RNA-ASE
(Code number 3.1.4.22 and 3.1.4.34.)
UF *nuclease (ribonuclease)*
UF *ribonuclease*
*BT1 nucleases
RT rna processing

RNA POLYMERASES
INIS: Jun 1984; ETDE: Jan 1984
*BT1 polymerases
RT dna polymerases
RT messenger-rna
RT nucleoproteins
RT rna
RT rna processing
RT transcription
RT transcription factors

RNA PROCESSING
INIS: Jan 1995; ETDE: Dec 1987
(Extensive modifications newly transcribed messenger-RNA's undergo before they are used as templates for protein synthesis. Also the editing of primary transcripts of ribosomal RNA and transfer RNA's.)
NT1 splicing
RT messenger-rna
RT nucleoproteins
RT rna polymerases
RT rna-ase

rnpp-rooppur reactor
Use rooppur reactor

ro-07-0582
Use misonidazole

ROAD OILS
INIS: Apr 2000; ETDE: Dec 1979
(Oils or petroleum residues intended for cold application to road surfaces.)
*BT1 oils
RT asphalts
RT petroleum
RT petroleum distillates
RT petroleum residues

ROAD TESTS
INIS: Apr 2000; ETDE: May 1977
BT1 testing
RT automobiles
RT buses
RT trucks
RT vehicles

ROAD TRANSPORT
INIS: Dec 1976; ETDE: Apr 1981
UF+ *truck transport*
*BT1 land transport
RT motor vehicle accidents
RT roads
RT routing
RT vehicles

ROADS
INIS: Mar 1992; ETDE: Jan 1975
UF *highways*
UF *streets*
RT bridges
RT carpooling
RT pavements
RT road transport
RT roadway-powered electric vehicles
RT transport
RT vanpooling

ROADWAY-POWERED ELECTRIC VEHICLES
INIS: Apr 2000; ETDE: Apr 1981
*BT1 electric-powered vehicles
RT roads

roadways (mines)
Use mine roadways

ROASTING
*BT1 oxidation
RT pyrometallurgy

robert e. ginna-1 reactor
Use ginna-1 reactor

robert e. ginna-2 reactor
Use ginna-2 reactor

robinia pseudoacacia
Use locust trees

ROBINSON-2 REACTOR
UF *carolina power light robinson-2 reactor*
UF *hb robinson-2*
*BT1 pwr type reactors

ROBOTS
INIS: Apr 1984; ETDE: Dec 1982
BT1 equipment
RT control equipment
RT control systems
RT materials handling equipment
RT remote handling equipment

ROCHE EQUIPOTENTIALS
UF *roche lobes*
BT1 potentials
RT binary stars
RT gravitational fields

roche lobes
Use roche equipotentials

ROCHELLE SALT
*BT1 potassium compounds
*BT1 sodium compounds
*BT1 tartrates
RT tartaric acid

ROCK BEDS
INIS: Apr 2000; ETDE: Sep 1975
RT cold storage
RT heat storage
RT sensible heat storage

ROCK BURSTS
INIS: Jan 1992; ETDE: May 1977
(Explosive release of energy in rock strained beyond its elastic limit.)
UF *gas bursts*
RT hazards
RT mining
RT precursor
RT rock mechanics
RT seismic events

ROCK CAVERNS
INIS: Jan 1980; ETDE: Apr 1979
BT1 cavities
RT caves
RT rocks

ROCK DRILLING
UF *drilling (rock)*
BT1 drilling
*BT1 materials drilling
RT boreholes
RT drills
RT rotary drilling
RT rotary drills
RT spark drills
RT subterrene penetrators
RT well drilling

ROCK DUSTING
INIS: Apr 2000; ETDE: Oct 1977
(Dusting of underground areas with powdered limestone or other nearly inert dusts to dilute coal dust to reduce explosion hazards.)
RT coal mines
RT dusts

ROCK FALLS
INIS: Nov 1992; ETDE: Jan 1988
RT rock mechanics
RT soil mechanics
RT strata movement

ROCK-FLUID INTERACTIONS
INIS: Apr 1986; ETDE: Nov 1975
RT chemical reactions
RT ground water
RT hydrothermal alteration
RT rocks
RT waste-rock interactions

rock intrusion
Use plutonic rocks

ROCK MECHANICS
(Application of principles of mechanics and geology to quantify the response of rock to environmental forces.)
BT1 mechanics
RT dilatancy
RT geology
RT mechanical properties
RT mining
RT overburden
RT rock bursts
RT rock falls
RT rocks
RT soil mechanics
RT strata control
RT strata movement

rock salt
Use salt deposits

ROCK SPRINGS SITES
INIS: Apr 2000; ETDE: Jun 1975
*BT1 wyoming
RT oil shale deposits

ROCKET ENGINES
INIS: Aug 1994; ETDE: Apr 1975
*BT1 heat engines
RT rockets

rocket reactor experiment phoebus-1a
Use phoebus-1a reactor

rocket reactor experiment phoebus-1b
Use phoebus-1b reactor

rocket reactor experiment phoebus-2a
Use phoebus-2a reactor

rocket reactor experiment rover
Use rover reactors

ROCKETS
(Prior to August 1996 ATLAS ROCKETS was a valid ETDE descriptor.)
UF *atlas rockets*
RT ammunition
RT electronic guidance
RT launching
RT missile launching sites
RT missiles
RT navigational instruments
RT projectiles
RT propulsion systems
RT reentry
RT rocket engines
RT space flight
RT space vehicles

rockgas process
Use coal gasification

rocking curve
Use neutron diffraction

ROCKS
NT1 caldasite
NT1 igneous rocks
NT2 lava
NT2 plutonic rocks
NT3 diorites
NT3 gabbros
NT4 anorthosites
NT3 granites
NT4 aplites
NT4 granodiorites
NT4 quartz monzonite
NT3 pegmatites
NT3 peridotites
NT4 kimberlites
NT3 syenites
NT2 volcanic rocks
NT3 andesites
NT3 basalt
NT4 diabases
NT3 lamprophyres
NT4 kimberlites
NT3 nepheline basalts
NT3 perlite
NT3 rhyolites
NT3 trachytes
NT3 tuff
NT1 metamorphic rocks
NT2 amphibolites
NT2 gneisses
NT2 granulites
NT2 marble
NT2 quartzites
NT2 schists
NT2 serpentinites
NT1 sedimentary rocks
NT2 carbonate rocks
NT3 limestone
NT4 travertine
NT2 chert
NT2 conglomerates
NT3 calcretes
NT2 evaporites
NT2 phosphate rocks
NT3 phosphorites
NT2 sandstones
NT3 graywacke
NT2 shales
NT3 argillite
NT3 oil shales
NT4 black shales
NT2 siltstones
NT2 sinters
NT1 synthetic rocks
RT aquicludes
RT aquifers
RT basement rock
RT cap rock
RT concretions
RT environmental materials
RT geobarometry
RT geologic strata
RT lithology
RT lunar materials
RT minerals
RT orogenesis
RT overburden
RT petrogenesis
RT petrology
RT reefs
RT reservoir rock
RT rock caverns
RT rock mechanics
RT rock-fluid interactions
RT source rocks
RT stone meteorites
RT tectonics
RT waste-rock interactions

rockwell flash hydroliquefaction process
Use cs-r process

ROCKWELL HARDNESS
RT hardness

rockwell international process
See molten salt coal gasification process
OR molten salt waste gasification process

ROCKY FLATS PLANT
*BT1 us aec
*BT1 us doe
*BT1 us erda
RT colorado

rocky flats plant nuclear safety facility
Use nsf-rfp reactor

rocky mountain overthrust belt
Use western us overthrust belt

rocky mountain region
Use usa

ROCKY MOUNTAINS
BT1 mountains
RT canada
RT usa

rod bundles
Use fuel element clusters

ROD DROP ACCIDENTS
BT1 reactivity insertions
*BT1 reactor accidents
RT control elements

ROD DROP METHOD
RT control elements
RT reactivity
RT reactor kinetics

ROD EJECTION ACCIDENTS
*BT1 reactor accidents
RT control elements
RT reactivity insertions

ROD PUMPS
INIS: Apr 2000; ETDE: Mar 1984
UF *plunger pumps*
UF *sucker rod pumps*
*BT1 pumps
RT natural gas wells

RODENTS
(Prior to March 1997 CHIPMUNKS was a valid ETDE descriptor.)
UF *chipmunks*
UF *kangaroo rat*
*BT1 mammals
NT1 gerbils
NT1 guinea pigs
NT1 hamsters
NT1 mice
NT2 transgenic mice

NT1 prairie dogs
NT1 rats
NT1 squirrels
NT1 voles
RT disease vectors
RT pest control

RODS
RT cylinders
RT shape
RT wires

rods (control)
Use control elements

rods (fuel)
Use fuel rods

roentgen (exposure unit)
Use radiation dose units

roentgen equivalent man
Use radiation dose units

ROGOWSKI COIL
*BT1 electric coils

roll welding
Use forge welding

rolla research reactor
Use umrr reactor

ROLLED-IN PRICING
INIS: Apr 2000; ETDE: May 1980
(Weighted average cost of fuels; higher cost fuels averaged in with lower cost fuels.)
BT1 prices
RT fuel substitution
RT fuels
RT marginal-cost pricing

ROLLER BEARINGS
BT1 bearings

ROLLING
*BT1 materials working
RT cladding
RT cold working
RT compacting
RT hot working
RT plating

ROLLING FRICTION
BT1 friction
RT gears
RT wear

rolphton npd-2 reactor
Use npd reactor

ROMANIA
UF *rumania*
BT1 developing countries
*BT1 eastern europe
RT black sea
RT centrally planned economies
RT danube river

ROMANIAN ORGANIZATIONS
BT1 national organizations

romanian wwr-c reactor
Use wwr-s-bucharest reactor

ROMASHKA REACTOR
(Kurchatov Inst., Russian Federation)
UF *kurchatov institute romashka reactor*
*BT1 research reactors
*BT1 solid homogeneous reactors

rombach process
Use coal gasification

rome triga-mk-2 reactor
Use triga-2-rome reactor

romeo event
Use atmospheric explosions
AND nuclear explosions

ROOF BOLTS
INIS: Jan 1977; ETDE: Jul 1976
*BT1 mining equipment
RT strata control
RT supports

ROOF PONDS
INIS: May 2000; ETDE: Feb 1979
*BT1 passive solar cooling systems
*BT1 passive solar heating systems
*BT1 solar ponds
RT roofs

ROOFS
INIS: Apr 1986; ETDE: Sep 1975
BT1 mechanical structures
RT buildings
RT roof ponds

ROOM AND PILLAR MINING
INIS: Aug 1992; ETDE: Jul 1977
*BT1 underground mining
RT coal mining

ROOPPUR REACTOR
UF *rnpp-rooppur reactor*
*BT1 pwr type reactors

ROOSEVELT HOT SPRINGS
INIS: Apr 2000; ETDE: Jan 1979
BT1 kgra
*BT1 utah
RT geothermal fields

ROOT ABSORPTION
UF *absorption (root)*
*BT1 absorption
BT1 uptake
RT roots

ROOTS
RT plants
RT root absorption
RT soils

ROPE PROCESS
INIS: Apr 2000; ETDE: Oct 1989
(Recycle oil pyrolysis extraction.)
RT oil sands
RT oil shales
RT pyrolysis
RT retorting

roper resonance
Use n-1440 baryons

ROPES
INIS: Apr 2000; ETDE: Oct 1978
RT cables
RT chains
RT wires

rort
Use radial-outflow reaction turbines

ROSACEAE
INIS: Jan 1992; ETDE: Jun 1989
(Rose family.)
*BT1 magnoliopsida
NT1 strawberries
RT apples
RT apricots
RT cherries
RT peaches
RT pears
RT plums
RT raspberries

ROSE BENGAL
BT1 dyes
*BT1 hydroxy acids
BT1 indicators
*BT1 organic chlorine compounds
*BT1 organic iodine compounds
BT1 reagents
RT phthalic acid

ROSE-METAL
INIS: Apr 2000; ETDE: Dec 1974
*BT1 bismuth alloys
*BT1 lead alloys
*BT1 tin alloys

ROSE PROCESS
INIS: Apr 2000; ETDE: Aug 1976
(Residuum Oil Supercritical Extraction process involves use of variety of selective solvents for extractive treatment of reduced crude oils and vacuum residues.)
RT residual fuels

rosenblum counters
Use spark counters

ROSENBLUTH FORMULA
RT cross sections
RT elastic scattering
RT four momentum transfer

rosenbluth-nelkin model
See neutron transport theory

ROSENFELD FORCE
UF *rosenfeld mixture*
RT nucleon-nucleon potential
RT nucleons
RT potentials

rosenfeld mixture
Use rosenfeld force

ROSPO REACTOR
UF *casaccia rospo reactor*
UF *reattore organico sperimentale potenza zero*
*BT1 enriched uranium reactors
*BT1 organic moderated reactors
*BT1 tank type reactors
*BT1 zero power reactors

ROSSELAND APPROXIMATION
RT boundary layers
RT heat transfer
RT thermal radiation

rossendorf assembly for critical experiments
Use rake-2 reactor

rossendorf wwr-sm reactor
Use wwr-sm rossendorf reactor

rossendorf zfk
Use zfk rossendorf

ROSSI ALPHA METHOD
RT reactor period

ROTAMAK DEVICES
INIS: Aug 1986; ETDE: Sep 1986
(A compact torus device in which a rotating magnetic field is used to maintain the toroidal plasma current.)
*BT1 compact torus

ROTARY DRILLING
INIS: Apr 2000; ETDE: Mar 1977
BT1 drilling
RT drilling equipment
RT drilling fluids
RT rock drilling
RT well drilling

ROTARY DRILLS
INIS: May 1992; ETDE: Mar 1977
*BT1 drills
NT1 turbodrills
RT drill bits
RT rock drilling
RT well drilling

ROTARY ENGINES
INIS: Apr 2000; ETDE: Oct 1975
SF *krov machine*
*BT1 internal combustion engines
NT1 wankel engines
RT helical rotary screw expander

ROTARY SEPARATOR TURBINES
INIS: Apr 2000; ETDE: Mar 1980
*BT1 turbines
RT total flow systems

ROTATING CRYSTAL METHOD
BT1 diffraction methods
RT weissenberg method

ROTATING DISK REMOVAL SYSTEMS
INIS: Apr 2000; ETDE: Jan 1978
*BT1 pollution control equipment
RT oil spills
RT water pollution control

ROTATING GENERATORS
*BT1 electric generators
NT1 superconducting generators

ROTATING PLASMA
INIS: Aug 1981; ETDE: Sep 1981
BT1 plasma

ROTATION
BT1 motion
RT angular momentum
RT backbending
RT coriolis force
RT guiding-center approximation
RT gyroscopes
RT moment of inertia
RT precession

ROTATION-VIBRATION MODEL
INIS: Sep 1991; ETDE: Dec 1991
*BT1 collective model
RT deformed nuclei
RT rotational states
RT vibrational states

rotational band
Use rotational states

ROTATIONAL INVARIANCE
BT1 invariance principles
RT axial symmetry

ROTATIONAL STATES
UF *collective states (rotational)*
UF *rotational band*
*BT1 excited states
RT backbending
RT rotation-vibration model

ROTATIONAL TRANSFORM
INIS: Sep 1977; ETDE: Apr 1975
(The displacement of a magnetic line of force in a single circuit about a toroidal tube so that it does not close upon itself.)
RT magnetic confinement
RT magnetic field configurations
RT magnetic fields
RT magnetic flux coordinates
RT magnetic surfaces
RT reversed shear
RT reversed-field pinch devices
RT sawtooth oscillations
RT shear
RT thermonuclear devices
RT tori
RT toroidal configuration

ROTIFERA
INIS: Jul 1993; ETDE: Apr 1983
(A phylum of multicellular animals in the subkingdom eumetazoa.)
BT1 aquatic organisms
*BT1 invertebrates
RT aquatic ecosystems
RT fresh water

rotliegende epoch
Use permian period

ROTONS
BT1 quasi particles
RT landau liquid helium theory

ROTORS
SF *krov machine*
NT1 darrieus rotors
NT1 flywheels
NT1 madaras rotors
NT1 savonius rotors
NT1 tipvane rotors
RT armatures
RT machine parts
RT stators

rotterdam spot market
Use spot market

rough vacuum
See pressure range kilo pa
OR pressure range pa

ROUGHNESS
UF *smoothness*
BT1 surface properties

rous sarcoma virus
Use oncogenic viruses

ROUTING
INIS: Jan 1984; ETDE: Sep 1983
UF *transportation routes*
RT evacuation
RT external zones
RT rail transport
RT road transport
RT waste transportation

ROVER REACTORS
UF *rocket reactor experiment rover*
*BT1 experimental reactors
*BT1 hydrogen cooled reactors
*BT1 space propulsion reactors

ROVNO-1 REACTOR
INIS: Aug 1984; ETDE: Apr 1978
*BT1 wwer type reactors

ROVNO-2 REACTOR
INIS: Aug 1984; ETDE: Apr 1978
*BT1 wwer type reactors

ROVNO-3 REACTOR
INIS: Aug 1984; ETDE: Apr 1978
*BT1 wwer type reactors

ROVNO-4 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
*BT1 wwer type reactors

ROVNO-5 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
*BT1 wwer type reactors

ROWE YANKEE REACTOR
UF *yankee rowe reactor*
*BT1 pwr type reactors

ROXBY DOWNS DEPOSIT
INIS: Dec 1980; ETDE: Jan 1981
*BT1 uranium deposits
RT olympic dam mine
RT south australia
RT uranium ores

royal jelly
See radioprotective substances

ROYALTIES
INIS: Mar 1983; ETDE: Nov 1978
(Payment to the owner or grantor as a share of the product or profit from the use of a property.)
BT1 income
RT economics
RT mineral resources
RT profits

RP-10 REACTOR
INIS: Aug 1987; ETDE: Oct 1987
(Peruvian Nuclear Energy Institute, lima, Peru.)
*BT1 pool type reactors
*BT1 research reactors

RPL DOSEMETERS
UF *fluorod*
UF *glass dosemeters*
UF *radiophotoluminescent dosemeters*
*BT1 luminescent dosemeters
RT phosphate glass

RPT REACTOR
(Moscow, Russian Federation)
UF *mr-2 moscow reactor*
UF *physical and technical research reactor moscow*
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 mixed spectrum reactors
*BT1 research reactors
*BT1 tank type reactors

rra
Use radioreceptor assay

rrc, kalpakkam
Use igcar

rscw reactor
Use wsur reactor

rsi avogadro reactor
Use avogadro rs-1 reactor

RTP REACTOR
INIS: Dec 1984; ETDE: Dec 1984
(Reaktor Triga Puspati.)
UF *puspati triga reactor*
UF *reactor triga puspati*
UF *triga puspati reactor*
*BT1 isotope production reactors
*BT1 triga type reactors

RTP TOKAMAK
INIS: Aug 1993; ETDE: Aug 1993
(Rijnhuizen Tokamak Project, Netherlands.)
*BT1 tokamak devices

rtr method
Use ribbon-to-ribbon method

RTR REACTOR
UF *resonance test reactor savannah*
UF *savannah river lab rtr reactor*
*BT1 heavy water moderated reactors
*BT1 production reactors

RTS-1 REACTOR
(Centre for Military Applications of Nuclear Energy, Pisa, Italy)
UF *galileo galilei italy*
UF *san piero a grado pisa reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 training reactors

rubber (natural)
Use natural rubber

RUBBER INDUSTRY
INIS: Sep 1993; ETDE: May 1980
BT1 industry
RT rubbers

RUBBER TREES
INIS: Jan 1992; ETDE: Jan 1975
*BT1 euphorbia
*BT1 trees
NT1 guayule
NT1 hevea
RT natural rubber

RUBBERS
*BT1 elastomers
*BT1 organic polymers
NT1 buna
NT1 latex
NT1 natural rubber
NT1 silastic
NT1 viton
RT dielectric materials
RT ethylene propylene diene polymers
RT plasticizers
RT rubber industry
RT synthetic materials
RT vulcanization

rubella virus
Use measles virus

rubeola
Use measles

rubeola virus
Use measles virus

RUBIDIUM
*BT1 alkali metals

RUBIDIUM 100
INIS: Mar 1976; ETDE: Nov 1975
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rubidium isotopes

RUBIDIUM 101
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 rubidium isotopes

RUBIDIUM 102
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 rubidium isotopes

RUBIDIUM 103
INIS: Jun 1982; ETDE: Jul 1982
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 rubidium isotopes

RUBIDIUM 73
INIS: Sep 1992; ETDE: Jun 1980
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 rubidium isotopes

RUBIDIUM 74
INIS: Jun 1977; ETDE: Oct 1977
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rubidium isotopes

RUBIDIUM 75
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 rubidium isotopes
*BT1 seconds living radioisotopes

RUBIDIUM 76
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 microseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rubidium isotopes
*BT1 seconds living radioisotopes

RUBIDIUM 77
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rubidium isotopes

RUBIDIUM 78
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rubidium isotopes

RUBIDIUM 79
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rubidium isotopes

RUBIDIUM 80
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 rubidium isotopes
*BT1 seconds living radioisotopes

RUBIDIUM 81
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rubidium isotopes

RUBIDIUM 82
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rubidium isotopes

RUBIDIUM 83
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 rubidium isotopes

RUBIDIUM 84
*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rubidium isotopes

RUBIDIUM 84 TARGET
INIS: Jul 1976; ETDE: Aug 1976
BT1 targets

RUBIDIUM 85
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 nanoseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 rubidium isotopes
*BT1 stable isotopes

RUBIDIUM 85 TARGET
BT1 targets

RUBIDIUM 86
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rubidium isotopes

RUBIDIUM 87
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 rubidium isotopes
*BT1 years living radioisotopes

RUBIDIUM 87 TARGET
BT1 targets

RUBIDIUM 88
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rubidium isotopes

RUBIDIUM 88 TARGET
INIS: Jul 1980; ETDE: Aug 1980
BT1 targets

RUBIDIUM 89
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rubidium isotopes

RUBIDIUM 90
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rubidium isotopes

RUBIDIUM 91
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 rubidium isotopes
*BT1 seconds living radioisotopes

RUBIDIUM 92
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 rubidium isotopes
*BT1 seconds living radioisotopes

RUBIDIUM 93
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 rubidium isotopes
*BT1 seconds living radioisotopes

RUBIDIUM 94
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 rubidium isotopes
*BT1 seconds living radioisotopes

RUBIDIUM 95
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 rubidium isotopes

RUBIDIUM 96
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rubidium isotopes

RUBIDIUM 97
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 rubidium isotopes

RUBIDIUM 98
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rubidium isotopes

RUBIDIUM 99
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 rubidium isotopes

RUBIDIUM ADDITIONS
(Alloys containing not more than 1% Rb are listed here.)
*BT1 rubidium alloys

RUBIDIUM ALLOYS
(Alloys containing more than 1% Rb.)
BT1 alloys
NT1 rubidium additions
NT1 rubidium base alloys

RUBIDIUM BASE ALLOYS
*BT1 rubidium alloys

RUBIDIUM BROMIDES
*BT1 bromides
*BT1 rubidium compounds

RUBIDIUM CARBIDES
INIS: Feb 1981; ETDE: Mar 1976
*BT1 carbides
*BT1 rubidium compounds

RUBIDIUM CARBONATES
*BT1 carbonates
*BT1 rubidium compounds

RUBIDIUM CHLORIDES
*BT1 chlorides
*BT1 rubidium compounds

RUBIDIUM COMPLEXES
*BT1 alkali metal complexes

RUBIDIUM COMPOUNDS
BT1 alkali metal compounds
NT1 rubidium bromides
NT1 rubidium carbides
NT1 rubidium carbonates
NT1 rubidium chlorides
NT1 rubidium fluorides
NT1 rubidium hydrides
NT1 rubidium hydroxides
NT1 rubidium iodides
NT1 rubidium nitrates
NT1 rubidium oxides
NT1 rubidium perchlorates
NT1 rubidium phosphates
NT1 rubidium selenides
NT1 rubidium silicates
NT1 rubidium silicides
NT1 rubidium sulfates
NT1 rubidium sulfides
NT1 rubidium tellurides
NT1 rubidium tungstates
NT1 rubidium uranates

RUBIDIUM FLUORIDES
*BT1 fluorides
*BT1 rubidium compounds

RUBIDIUM HYDRIDES
*BT1 hydrides
*BT1 rubidium compounds

RUBIDIUM HYDROXIDES
*BT1 hydroxides
*BT1 rubidium compounds

RUBIDIUM IODIDES
*BT1 iodides
*BT1 rubidium compounds

RUBIDIUM IONS
*BT1 ions

RUBIDIUM ISOTOPES
BT1 isotopes
NT1 rubidium 100
NT1 rubidium 101
NT1 rubidium 102
NT1 rubidium 103
NT1 rubidium 73
NT1 rubidium 74
NT1 rubidium 75
NT1 rubidium 76
NT1 rubidium 77
NT1 rubidium 78
NT1 rubidium 79
NT1 rubidium 80
NT1 rubidium 81
NT1 rubidium 82
NT1 rubidium 83
NT1 rubidium 84
NT1 rubidium 85
NT1 rubidium 86
NT1 rubidium 87
NT1 rubidium 88
NT1 rubidium 89
NT1 rubidium 90
NT1 rubidium 91
NT1 rubidium 92
NT1 rubidium 93
NT1 rubidium 94
NT1 rubidium 95
NT1 rubidium 96
NT1 rubidium 97
NT1 rubidium 98
NT1 rubidium 99

RUBIDIUM NITRATES
*BT1 nitrates
*BT1 rubidium compounds

RUBIDIUM OXIDES
*BT1 oxides
*BT1 rubidium compounds

RUBIDIUM PERCHLORATES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 perchlorates
*BT1 rubidium compounds

RUBIDIUM PHOSPHATES
*BT1 phosphates
*BT1 rubidium compounds

RUBIDIUM SELENIDES
INIS: Sep 1991; ETDE: Sep 1980
*BT1 rubidium compounds
*BT1 selenides

RUBIDIUM SILICATES
INIS: Jan 1977; ETDE: Nov 1976
*BT1 rubidium compounds
*BT1 silicates

RUBIDIUM SILICIDES
INIS: Sep 1991; ETDE: Jan 1977
*BT1 rubidium compounds
*BT1 silicides

RUBIDIUM SULFATES
*BT1 rubidium compounds
*BT1 sulfates

RUBIDIUM SULFIDES
INIS: Sep 1991; ETDE: Feb 1976
*BT1 rubidium compounds
*BT1 sulfides

RUBIDIUM TELLURIDES
INIS: Apr 2000; ETDE: May 1979
*BT1 rubidium compounds
*BT1 tellurides

RUBIDIUM TUNGSTATES
INIS: May 1978; ETDE: Jan 1975
*BT1 rubidium compounds
*BT1 tungstates

RUBIDIUM URANATES
INIS: Nov 1975; ETDE: Aug 1975
*BT1 rubidium compounds
*BT1 uranates

RUBREDOXIN
INIS: Apr 2000; ETDE: Aug 1982
*BT1 metalloproteins
RT ferredoxin
RT iron complexes

RUBY
*BT1 corundum

RUBY LASERS
*BT1 solid state lasers

RUDERMAN-KITTEL COUPLING
BT1 coupling

RUDSTAM FORMULA
RT spallation

RUHR 100 GASIFICATION PROCESS
INIS: Apr 2000; ETDE: Apr 1983
(The Ruhr 100 gasifier is basically a Lurgi type gasifier with modifications for high pressure operation.)
*BT1 coal gasification

rulison event
Use nuclear explosions
AND underground explosions

RUM JUNGLE MINE
(Until October 1999 this was spelled RUM JUNGLE.)
UF *rum jungle project*
*BT1 uranium mines
RT australia

rum jungle project
Use rum jungle mine

rumania
Use romania

rumen
Use ruminants
AND stomach

RUMINANTS
(Prior to March 1997 ANTELOPES was a valid ETDE descriptor.)
UF *antelopes*
UF+ *rumen*
*BT1 mammals
NT1 buffalo
NT1 camels
NT1 cattle
NT2 calves
NT2 cows
NT1 deer
NT1 goats
NT1 llamas
NT1 sheep

runaway (reactor accident)
Use excursions

RUNAWAY ELECTRONS
*BT1 electrons
RT tail electrons

RUNGE-KUTTA METHOD
INIS: Mar 1981; ETDE: Aug 1978
(A self-optimizing interpolation method.)
*BT1 iterative methods
*BT1 numerical solution
RT differential equations
RT interpolation
RT mathematics

RUNOFF
INIS: Feb 1992; ETDE: Jul 1978
*BT1 environmental transport
RT atmospheric precipitations
RT drainage
RT floods
RT interception
RT rain water
RT settling ponds
RT storms
RT throughfall
RT watersheds

rupture disks
Use relief valves

RUPTURES
BT1 failures
RT fracture properties
RT fractures

RURAL AREAS
RT boom towns
RT remote areas
RT residential sector
RT rural energy centers
RT rural populations

rural electrification administration
Use us rea

RURAL ENERGY CENTERS
INIS: Apr 2000; ETDE: Aug 1977
(Centers to improve the basic living environment by exploiting renewable energy at the rural level.)
RT developing countries
RT energy facilities
RT energy parks
RT rural areas

RURAL POPULATIONS
*BT1 human populations
RT rural areas

russell-saunders coupling
Use l-s coupling

russellville-1 arkansas reactor
Use arkansas-1 reactor

russellville-2 arkansas reactor
Use arkansas-2 reactor

RUSSIAN FEDERATION
INIS: Feb 1993; ETDE: Dec 1992
(Until January 1993, this was indexed by USSR.)
SF *soviet union*
SF *union of soviet socialist republics*
SF *ussr*
*BT1 eastern europe
NT1 dubna
NT1 kamchatka
NT1 kurile islands
NT1 lovozero
NT1 novaya zemlya
NT1 siberia
RT caspian sea
RT caucasus
RT kyshtym plant
RT mayak plant
RT techa river
RT urals
RT volga river

RUSSIAN ORGANIZATIONS
INIS: Oct 1975; ETDE: Jul 1997
(Until July 1997 this concept was indexed to USSR ORGANIZATIONS.)
UF *ussr organizations*
BT1 national organizations
NT1 gosatomnadzor rossii
NT1 ihep
NT1 st petersburg institute of nuclear physics

russian state nuclear and radiation safety authority
Use gosatomnadzor rossii

russian thistle
Use magnoliopsida

RUTHENIUM
*BT1 platinum metals
*BT1 refractory metals

RUTHENIUM 100
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes
*BT1 stable isotopes

RUTHENIUM 100 TARGET
BT1 targets

RUTHENIUM 101
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes
*BT1 stable isotopes

RUTHENIUM 101 TARGET
INIS: Oct 1976; ETDE: Nov 1976
BT1 targets

RUTHENIUM 102
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes
*BT1 stable isotopes

RUTHENIUM 102 TARGET
INIS: Oct 1975; ETDE: Jul 1976
BT1 targets

RUTHENIUM 103
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes

RUTHENIUM 103 TARGET
INIS: Feb 1984; ETDE: Aug 1981
BT1 targets

RUTHENIUM 104
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes
*BT1 stable isotopes

RUTHENIUM 104 REACTIONS
INIS: Aug 1984; ETDE: Sep 1984
*BT1 heavy ion reactions

RUTHENIUM 104 TARGET
BT1 targets

RUTHENIUM 105
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes

RUTHENIUM 106
UF+ *ruthenium 106 target*
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes
*BT1 years living radioisotopes

ruthenium 106 target
Use ruthenium 106
AND targets

RUTHENIUM 107
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 ruthenium isotopes

RUTHENIUM 108
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 ruthenium isotopes

RUTHENIUM 109
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes
*BT1 seconds living radioisotopes

RUTHENIUM 110
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes
*BT1 seconds living radioisotopes

RUTHENIUM 111
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes
*BT1 seconds living radioisotopes

RUTHENIUM 112
INIS: Jan 1979; ETDE: Feb 1975
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes
*BT1 seconds living radioisotopes

RUTHENIUM 113
INIS: Jan 1979; ETDE: Feb 1979
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes
*BT1 seconds living radioisotopes

RUTHENIUM 114
INIS: Mar 1993; ETDE: Mar 1993
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 ruthenium isotopes

RUTHENIUM 88
INIS: Feb 1995; ETDE: Feb 1995
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes

RUTHENIUM 89
INIS: Sep 1999; ETDE: Sep 1999
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes
*BT1 seconds living radioisotopes

RUTHENIUM 90
INIS: Jan 1996; ETDE: Jan 1996
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes

RUTHENIUM 91
INIS: Sep 1983; ETDE: Sep 1983
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes

RUTHENIUM 92
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 ruthenium isotopes

RUTHENIUM 93
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 ruthenium isotopes
*BT1 seconds living radioisotopes

RUTHENIUM 94
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 ruthenium isotopes

RUTHENIUM 95
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes

RUTHENIUM 96
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes
*BT1 stable isotopes

RUTHENIUM 96 TARGET
BT1 targets

RUTHENIUM 97
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes

RUTHENIUM 98
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes
*BT1 stable isotopes

RUTHENIUM 98 TARGET
INIS: Feb 1979; ETDE: Feb 1979
BT1 targets

RUTHENIUM 99
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 ruthenium isotopes
*BT1 stable isotopes

RUTHENIUM 99 TARGET
INIS: Nov 1978; ETDE: Dec 1978
BT1 targets

RUTHENIUM ADDITIONS
(Alloys containing not more than 1% Ru are listed here.)
*BT1 ruthenium alloys

RUTHENIUM ALLOYS
(Alloys containing more than 1% Ru.)
*BT1 platinum metal alloys
NT1 ruthenium additions
NT1 ruthenium base alloys

RUTHENIUM ARSENIDES
INIS: Apr 2000; ETDE: Jun 1984
*BT1 arsenides
*BT1 ruthenium compounds

RUTHENIUM BASE ALLOYS
*BT1 ruthenium alloys

RUTHENIUM BORIDES
INIS: Feb 1976; ETDE: Jan 1975
*BT1 borides
*BT1 ruthenium compounds

RUTHENIUM BROMIDES
INIS: Jun 1977; ETDE: Oct 1977
*BT1 bromides
*BT1 ruthenium compounds

RUTHENIUM CARBIDES
*BT1 carbides
*BT1 ruthenium compounds

RUTHENIUM CHLORIDES
*BT1 chlorides
*BT1 ruthenium compounds

RUTHENIUM COMPLEXES
*BT1 transition element complexes

RUTHENIUM COMPOUNDS
BT1 refractory metal compounds
BT1 transition element compounds
NT1 ruthenium arsenides
NT1 ruthenium borides
NT1 ruthenium bromides
NT1 ruthenium carbides
NT1 ruthenium chlorides
NT1 ruthenium fluorides
NT1 ruthenium hydrides
NT1 ruthenium hydroxides
NT1 ruthenium nitrates
NT1 ruthenium nitrides
NT1 ruthenium nitrosyls
NT1 ruthenium oxides
NT1 ruthenium phosphides
NT1 ruthenium selenides
NT1 ruthenium silicides
NT1 ruthenium sulfates
NT1 ruthenium sulfides
NT1 ruthenium tellurides

RUTHENIUM FLUORIDES
*BT1 fluorides
*BT1 ruthenium compounds

RUTHENIUM HYDRIDES
INIS: Feb 1976; ETDE: Oct 1975
*BT1 hydrides
*BT1 ruthenium compounds

RUTHENIUM HYDROXIDES
*BT1 hydroxides
*BT1 ruthenium compounds

RUTHENIUM IONS
*BT1 ions

RUTHENIUM ISOTOPES
BT1 isotopes
NT1 ruthenium 100
NT1 ruthenium 101
NT1 ruthenium 102
NT1 ruthenium 103
NT1 ruthenium 104
NT1 ruthenium 105
NT1 ruthenium 106
NT1 ruthenium 107
NT1 ruthenium 108
NT1 ruthenium 109
NT1 ruthenium 110
NT1 ruthenium 111
NT1 ruthenium 112
NT1 ruthenium 113
NT1 ruthenium 114
NT1 ruthenium 88
NT1 ruthenium 89
NT1 ruthenium 90
NT1 ruthenium 91
NT1 ruthenium 92
NT1 ruthenium 93
NT1 ruthenium 94
NT1 ruthenium 95
NT1 ruthenium 96
NT1 ruthenium 97
NT1 ruthenium 98
NT1 ruthenium 99

RUTHENIUM NITRATES
*BT1 nitrates
*BT1 ruthenium compounds

RUTHENIUM NITRIDES
INIS: Apr 2000; ETDE: Dec 1975
*BT1 nitrides
*BT1 ruthenium compounds

RUTHENIUM NITROSYLS
*BT1 ruthenium compounds

RUTHENIUM OXIDES
*BT1 oxides
*BT1 ruthenium compounds

RUTHENIUM PHOSPHIDES
INIS: Jul 1978; ETDE: Jan 1975
*BT1 phosphides
*BT1 ruthenium compounds

RUTHENIUM SELENIDES
INIS: Sep 1991; ETDE: Apr 1976
*BT1 ruthenium compounds
*BT1 selenides

RUTHENIUM SILICIDES
INIS: Jul 1986; ETDE: Oct 1985
*BT1 ruthenium compounds
*BT1 silicides

RUTHENIUM SULFATES
*BT1 ruthenium compounds
*BT1 sulfates

RUTHENIUM SULFIDES
INIS: Nov 1978; ETDE: Dec 1978
*BT1 ruthenium compounds
*BT1 sulfides

RUTHENIUM TELLURIDES
INIS: Sep 1991; ETDE: Mar 1977
*BT1 ruthenium compounds
*BT1 tellurides

rutherford backscattering spectrometry
Use rutherford backscattering spectroscopy

RUTHERFORD BACKSCATTERING SPECTROSCOPY
Nov 2002
(Prior to Dec 2002 RUTHERFORD SCATTERING + BACKSCATTERING was used for this concept)
UF *rbs*
UF *rutherford backscattering spectrometry*
BT1 spectroscopy
RT backscattering
RT ion spectroscopy
RT rutherford scattering

RUTHERFORD SCATTERING
*BT1 elastic scattering
RT rutherford backscattering spectroscopy

rutherfordite
Use carbonate minerals
AND uranium minerals

rutherfordium
Use element 104

RUTILE
*BT1 oxide minerals
*BT1 radioactive minerals
RT titanium oxides

RV-1 REACTOR
(Venezuelan Scientific Research Institute, IVIC, Caracas, Venezuela)
UF *reactor venezolano-1*
*BT1 enriched uranium reactors
*BT1 materials testing reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 training reactors

RWANDA
INIS: Oct 1991; ETDE: Dec 1979
BT1 africa
BT1 developing countries

rwe-bayernwerk-a reactor
Use rwe-bayernwerk reactor

rwe-bayernwerk-b reactor
Use gundremmingen-2 reactor

rwe-bayernwerk-c reactor
Use gundremmingen-3 reactor

RWE-BAYERNWERK REACTOR
UF *gundremmingen-1 reactor*
UF *gundremminger krb reactor*
UF *kernkraftwerk rwe-bayernwerk*
UF *krb reactor*
UF *rwe-bayernwerk-a reactor*
*BT1 bwr type reactors

rwsu reactor
Use wsur reactor

rydberg constant
Use fundamental constants

RYDBERG CORRECTION
BT1 corrections
RT balmer lines
RT energy levels
RT energy spectra
RT rydberg states

RYDBERG EQUATION
BT1 equations

RYDBERG-KLEIN-REES METHOD
UF *rkr method*
BT1 calculation methods
RT electronic structure
RT spectra
RT vibrational states

RYDBERG STATES
INIS: Nov 1977; ETDE: Apr 1981
(Prior to April 1981, this concept in ETDE was indexed to RYDBERG CORRECTION.)
*BT1 excited states
RT electronic structure
RT rydberg correction

RYE
UF *secale*
*BT1 cereals

S

s-1000 resonances
Use mesons

s-1930 resonances
Use x-1935 mesons

s-993 resonances
Use f0-980 mesons

S CENTERS
INIS: Apr 1978; ETDE: Jul 1978
*BT1 color centers

S CHANNEL
RT mandelstam representation
RT particle interactions
RT t channel
RT u channel

S CODES
BT1 computer codes

S MATRIX
UF *collision matrix*
UF *t matrix*
BT1 matrices
RT analytic functions
RT detailed balance principle
RT landau curves
RT quantum field theory
RT scattering
RT scattering amplitudes
RT singularity
RT unitarity
RT unitary pole approximation
RT yang-feldman formalism

S-N DIAGRAM
*BT1 diagrams
RT fatigue
RT materials testing
RT stresses

S PROCESS
(Slow process in stellar nucleosynthesis.)
*BT1 star evolution
RT nucleosynthesis
RT stars

S QUARKS
INIS: Sep 1995; ETDE: Oct 1995
*BT1 quarks

*BT1 strange particles
RT strangeonium

S STATES
BT1 energy levels

S WAVES
(For seismic waves use SEISMIC S WAVES.)
BT1 partial waves
RT angular momentum
RT quantum mechanics

s waves (seismic)
Use seismic s waves

S10FS-1 REACTOR
UF *snap-10a flight system test-1*
*BT1 nak cooled reactors
*BT1 snap 10 reactor

S10FS-3 REACTOR
UF *snap-10a flight system test-3*
*BT1 nak cooled reactors
*BT1 snap 10 reactor

S10FS-4 REACTOR
UF *snap-10a flight system test-4*
*BT1 nak cooled reactors
*BT1 snap 10 reactor

S1C PROTOTYPE REACTOR
(General Electric, Knowles Atomic Power Lab., USA)
*BT1 mobile reactors
*BT1 pwr type reactors
*BT1 test reactors

S2DS REACTOR
UF *snap-2 developmental system*
*BT1 nak cooled reactors
*BT1 snap 2 reactor

s4 reactor
See snap reactors

S8DR REACTOR
UF *snap-8 developmental reactor*
*BT1 nak cooled reactors
*BT1 snap 8 reactor

S8ER REACTOR
UF *snap-8 experimental reactor*
*BT1 nak cooled reactors
*BT1 snap 8 reactor

s8g prototype reactor
Use ship propulsion reactors

SAARBERG-HOLTER PROCESS
INIS: Apr 2000; ETDE: May 1979
(A wet lime scrubbing process with additives; gypsum by-product.)
*BT1 desulfurization
RT waste processing

SAARBERG-OTTO GASIFICATION PROCESS
INIS: Apr 2000; ETDE: Nov 1977
(High-temperature process with concurrent flow carburetor operating at 25 bar and below the melting point of slag.)
*BT1 coal gasification

saas
Use bundesamt fuer strahlenschutz

SABOTAGE
(From May 1987 till March 1997 terrorism was a valid ETDE descriptor.)
SF *terrorism*
RT hazards
RT human intrusion
RT physical protection
RT safety
RT secrecy protection
RT security
RT security personnel
RT theft
RT vulnerability

SABUGALITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 uranium minerals
RT aluminium phosphates
RT uranium phosphates

SACCHARIDES
UF *glycides*
UF *sugars*
UF+ *amino sugars*
UF+ *aminoglycides*
*BT1 carbohydrates
NT1 glycolipids
NT2 cerebrosides
NT2 gangliosides
NT1 glycoproteins
NT2 avidin
NT2 glucoproteins
NT3 lactoferrin
NT3 ovalbumin
NT2 lh
NT1 monosaccharides
NT2 erythritol
NT2 hexoses
NT3 fructose
NT3 galactose
NT3 glucose
NT3 hexosamines
NT4 glucosamine
NT3 mannose
NT3 sorbose
NT2 inositols
NT3 inositol
NT2 pentoses
NT3 arabinose
NT3 deoxyribose
NT3 ribose
NT3 ribulose
NT3 xylose
NT2 sorbitol
NT1 oligosaccharides
NT2 disaccharides
NT3 cellobiose
NT3 lactose
NT3 maltose
NT3 saccharose
NT2 raffinose
NT1 polysaccharides
NT2 agar
NT2 alginic acid
NT2 cellophane
NT2 cellulose
NT2 dextran
NT2 dextrin
NT2 glycogen
NT2 gum acacia
NT2 hemicellulose
NT3 xylans
NT2 inulin
NT2 lignin
NT2 lipopolysaccharides
NT2 mucopolysaccharides
NT3 chitin
NT3 chondroitin
NT3 heparin
NT3 hyaluronic acid
NT2 mucoproteins
NT3 haptoglobins
NT3 intrinsic factor
NT3 phytohemagglutinin
NT2 nitrocellulose
NT2 pectins
NT2 rayon
NT2 starch
NT2 viscose
NT2 xanthan gum
RT glycolysis
RT hyperglycemia
RT molasses
RT sugar industry

SACCHARIFICATION
INIS: Apr 2000; ETDE: Jun 1980
(Hydrolysis into a simple soluble fermentable sugar. Prior to June 1980 this concept in ETDE was indexed by HYDROLYSIS.)
*BT1 hydrolysis
RT fermentation

SACCHARIN
*BT1 organic oxygen compounds
*BT1 thiazoles

SACCHAROMYCES
*BT1 yeasts
NT1 saccharomyces cerevisiae

SACCHAROMYCES CEREVISIAE
*BT1 saccharomyces

SACCHAROSE
UF *sucrose*
UF *sugar*
*BT1 disaccharides
RT sugar industry

saclay (cea)
Use cea saclay

SACLAY LINAC
*BT1 linear accelerators

saclay synchrotron
Use saturne

sacramento rancho seco-1 reactor
Use rancho seco-1 reactor

sacramento rancho seco-2 reactor
Use rancho seco-2 reactor

SADDLE-POINT METHOD
BT1 calculation methods
RT mathematics

SAFARI-1 REACTOR
(South African Atomic Energy Board, Pretoria, South Africa)
*BT1 enriched uranium reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

safe low power critical experiment
Use slowpoke type reactors

SAFEGUARD REGULATIONS
*BT1 regulations
RT nuclear materials possession
RT safeguards

SAFEGUARDS
(Those measures designed to guard against the diversion of material such as source and special nuclear material from uses permitted by law or treaty, and to give timely indication of possible diversion or credible assurance that no diversion has occurred.)
NT1 domestic safeguards
NT1 iaea safeguards
RT abacc

RT accounting
RT atomic energy control
RT ctbt
RT ctbto
RT denatured fuel
RT detection
RT identification systems
RT inspection
RT intrusion detection systems
RT inventories
RT legal aspects
RT losses
RT material balance area
RT material unaccounted for
RT motion detection systems
RT non-proliferation treaty
RT nuclear disarmament
RT nuclear materials diversion
RT nuclear materials management
RT nuclear materials possession
RT physical protection
RT physical protection devices
RT proliferation
RT safeguard regulations
RT security personnel
RT security seals
RT strategic points
RT vulnerability

SAFETY

(For general aspects of safety and protection of personnel.)
UF *protection*
UF *protection (safety)*
NT1 occupational safety
NT1 reactor safety
RT accidents
RT alara
RT civil defense
RT damage
RT emergency plans
RT engineered safety systems
RT ethical aspects
RT failures
RT fire detectors
RT fire extinguishers
RT fire fighting
RT fire prevention
RT hazards
RT health hazards
RT human factors
RT human factors engineering
RT injuries
RT mine rescue
RT personnel
RT quality assurance
RT quality control
RT radiation protection
RT sabotage
RT safety analysis
RT safety engineering
RT safety reports
RT safety showers
RT safety standards
RT security
RT us occupational safety and health act
RT working conditions

safety (nuclear)

Use radiation protection

safety (reactor)

Use reactor safety

SAFETY ANALYSIS

INIS: Dec 1976; ETDE: Mar 1991
RT licensing regulations
RT probabilistic estimation
RT public relations
RT risk assessment
RT safety
RT safety reports

SAFETY CULTURE

Jan 2003
(That group of attitudes and characteristics which establishes that safety issues receive significant attention.)
UF *culture (safety)*
UF *nuclear safety culture*
BT1 attitudes
RT behavior
RT education
RT ethical aspects
RT human factors
RT quality assurance
RT reactor maintenance
RT reactor operation
RT reactor operators
RT safety engineering

SAFETY ENGINEERING

BT1 engineering
RT alarm systems
RT engineered safety systems
RT fires
RT freeze protection
RT hazards
RT human factors
RT pressure release
RT reactor safety
RT safety
RT safety culture
RT seismic isolation
RT smoke detectors
RT systems analysis

SAFETY INJECTION

INIS: Jan 1976; ETDE: Jan 1975
UF *boron injection*
RT eccs
RT reactor protection systems

safety of life at sea convention

Use solas convention

SAFETY REPORTS

INIS: Dec 1976; ETDE: Mar 1991
(For items about safety reports, not for items which are safety reports.)
UF+ *design reports*
RT document types
RT licensing regulations
RT safety
RT safety analysis

safety research experiment facility reactor

Use saref reactor

safety rods

Use scram rods

SAFETY SHOWERS

UF *emergency showers*
UF *showers (safety)*
RT burns
RT decontamination
RT first aid
RT hazards
RT radiation protection
RT safety
RT washing

SAFETY STANDARDS

UF *standards (safety)*
BT1 standards
NT1 annual limit of intake
NT1 dose limits
NT1 maximum acceptable contamination
NT1 maximum inhalation quantity
NT1 maximum permissible activity
NT1 maximum permissible body burden
NT1 maximum permissible concentration
NT1 maximum permissible dose
NT1 maximum permissible exposure
NT1 maximum permissible intake
NT1 maximum permissible level
RT federal radiation council
RT gesellschaft fuer anlagen- und reaktorsicherheit
RT legal aspects
RT licensing
RT radiation protection
RT radiation protection laws
RT reactor safety
RT recommendations
RT regulations
RT retrofitting
RT safety
RT standardization

safety test facility reactor

Use stf reactor

safety valves

Use relief valves

SAGINAW RIVER

INIS: Apr 2000; ETDE: Dec 1980
*BT1 rivers
RT hydroelectric power plants
RT michigan

SAHA EQUATION

UF *saha-langmuir equation*
BT1 equations
RT electric discharges
RT thermodynamics

saha-langmuir equation

Use saha equation

SAILS

INIS: Apr 2000; ETDE: Aug 1981
RT ships
RT wind

SAINT ALBAN-1 REACTOR

INIS: Jul 1984; ETDE: Sep 1984
*BT1 pwr type reactors

SAINT ALBAN-2 REACTOR

INIS: Jul 1984; ETDE: Sep 1984
*BT1 pwr type reactors

SAINT CLAIR RIVER

INIS: Apr 2000; ETDE: Jan 1975
*BT1 rivers
RT canada
RT michigan

SAINT JOHN RIVER

INIS: Apr 2000; ETDE: Oct 1975
*BT1 rivers
RT canada

SAINT KITTS AND NEVIS

INIS: Sep 1997; ETDE: Feb 1998
*BT1 lesser antilles

SAINT LAURENT-1 REACTOR

(St. Laurent des Eaux, Loir et Cher, France)
UF *edf-4 reactor*
*BT1 carbon dioxide cooled reactors
*BT1 gcr type reactors
*BT1 power reactors
*BT1 thermal reactors

SAINT LAURENT-2 REACTOR

(St. Laurent des Eaux, Loir et Cher, France)
*BT1 carbon dioxide cooled reactors

*BT1 gcr type reactors
*BT1 power reactors
*BT1 thermal reactors

SAINT LAURENT-B1 REACTOR
INIS: Oct 1995; ETDE: Oct 1995
*BT1 pwr type reactors

saint lawrence river
Use st lawrence river

SAINT LUCIA
INIS: Jun 1990; ETDE: Aug 1990
BT1 developing countries
BT1 latin america
*BT1 west indies

SAINT VINCENT AND THE GRENADINES
INIS: Apr 1992; ETDE: Jun 1992
BT1 developing countries
BT1 latin america
*BT1 west indies

saitama cyclotron
Use ipcr cyclotron

saitama tunable heavy ion linac
Use rilac

salam hypothesis
Use lee-yang theory

salam-weinberg gauge model
Use weinberg-salam gauge model

SALAMANDERS
(Prior to March 1997 AXOLOTL was a valid ETDE descriptor.)
UF *axolotl*
UF *newts*
UF *siredon*
*BT1 amphibians
NT1 triturus
RT frogs

salary
Use wages

salazar triga-mk-3 reactor
Use triga-3-salazar reactor

SALEEITE
*BT1 phosphate minerals
*BT1 uranium minerals
RT magnesium phosphates
RT uranium phosphates

SALEM-1 REACTOR
(Salem, New Jersey, USA)
UF *salem nuclear generating station unit-1*
*BT1 pwr type reactors

SALEM-2 REACTOR
(Salem, New Jersey, USA)
UF *salem nuclear generating station unit-2*
*BT1 pwr type reactors

salem nuclear generating station unit-1
Use salem-1 reactor

salem nuclear generating station unit-2
Use salem-2 reactor

SALES
(Until March 1999 this concept was indexed by TRADE.)
SF *commodities*
RT competition
RT exports
RT imports
RT marketing
RT trade

SALICYLIC ACID
UF *hydroxybenzoic acid-ortho*
*BT1 hydroxy acids

SALINITY
RT brines
RT desalination
RT estuaries
RT fiords
RT salinity gradients
RT salts
RT seawater

SALINITY GRADIENT POWER PLANTS
INIS: Apr 2000; ETDE: Sep 1977
UF *osmotic power plants*
*BT1 solar power plants
RT seawater

SALINITY GRADIENTS
INIS: Apr 2000; ETDE: Sep 1977
RT salinity
RT seawater

SALIVA
*BT1 body fluids
RT amylase
RT salivary glands

SALIVARY GLANDS
*BT1 glands
RT oral cavity
RT saliva

salmin
Use protamines

SALMON
*BT1 anadromous fishes

SALMON EVENT
BT1 vela project

SALMONELLA
*BT1 bacteria
NT1 salmonella typhimurium
RT typhoid

SALMONELLA TYPHIMURIUM
*BT1 salmonella

salsola kali
Use magnoliopsida

SALT CAVERNS
INIS: Feb 1983; ETDE: Apr 1979
BT1 cavities
RT caves
RT gorleben salt dome
RT morsleben salt mine
RT radioactive waste disposal
RT salt deposits

SALT DEPOSITS
UF *rock salt*
BT1 geologic deposits
RT anticlines
RT asse salt mine
RT gorleben salt dome
RT halite
RT morsleben salt mine
RT radioactive waste disposal
RT salt caverns
RT salt vault project
RT underground disposal
RT wipp

SALT TALKS
INIS: Jan 1993; ETDE: Feb 1986
RT arms control
RT foreign policy
RT international relations
RT nuclear disarmament
RT treaties

salt transport process
Use pyrochemical reprocessing

SALT VAULT PROJECT
UF *project salt vault*
RT radioactive wastes
RT salt deposits
RT waste disposal

saltex process
Use purex process

SALTING-OUT AGENTS
RT precipitation
RT solvent extraction

SALTON SEA
INIS: Apr 2000; ETDE: Jan 1975
*BT1 lakes
RT geothermal fields
RT imperial valley
RT salton sea geothermal field

SALTON SEA GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Jul 1975
BT1 geothermal fields
RT california
RT salton sea

SALTS
(See also descriptors for specific salts.)
NT1 molten salts
NT2 flibe
RT brines
RT desalination
RT salinity

SALYUT ORBITAL STATIONS
BT1 satellites
*BT1 space vehicles

SAMARIUM
*BT1 rare earths
RT samarium oscillations

SAMARIUM 131
INIS: Feb 1987; ETDE: May 1987
*BT1 even-odd nuclei
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 seconds living radioisotopes

SAMARIUM 133
INIS: Jun 1977; ETDE: Oct 1977
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 seconds living radioisotopes

SAMARIUM 134
INIS: Jun 1977; ETDE: Oct 1977
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 seconds living radioisotopes

SAMARIUM 135
INIS: Jun 1977; ETDE: Oct 1977
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 seconds living radioisotopes

SAMARIUM 136
INIS: Aug 1982; ETDE: Jul 1982
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 seconds living radioisotopes

SAMARIUM 137
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 seconds living radioisotopes

SAMARIUM 138
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei
BT1 samarium isotopes

SAMARIUM 139
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 seconds living radioisotopes

SAMARIUM 140
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei
BT1 samarium isotopes

SAMARIUM 141
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei
BT1 samarium isotopes

SAMARIUM 142
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 rare earth nuclei
BT1 samarium isotopes

SAMARIUM 143
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei
BT1 samarium isotopes

SAMARIUM 144
*BT1 even-even nuclei
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 stable isotopes

SAMARIUM 144 REACTIONS
INIS: Jul 1980; ETDE: Aug 1980
*BT1 heavy ion reactions

SAMARIUM 144 TARGET
BT1 targets

SAMARIUM 145
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 internal conversion radioisotopes
*BT1 rare earth nuclei
BT1 samarium isotopes

SAMARIUM 145 TARGET
INIS: Oct 1975; ETDE: Jul 1976
BT1 targets

SAMARIUM 146
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 years living radioisotopes

SAMARIUM 146 TARGET
INIS: Jan 2000; ETDE: Jul 1976
BT1 targets

SAMARIUM 147
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 years living radioisotopes

SAMARIUM 147 TARGET
BT1 targets

SAMARIUM 148
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 stable isotopes
*BT1 years living radioisotopes

SAMARIUM 148 TARGET
BT1 targets

SAMARIUM 149
*BT1 even-odd nuclei
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 stable isotopes

SAMARIUM 149 TARGET
BT1 targets

SAMARIUM 150
*BT1 even-even nuclei
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 stable isotopes

SAMARIUM 150 TARGET
BT1 targets

SAMARIUM 151
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 internal conversion radioisotopes
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 years living radioisotopes

SAMARIUM 151 TARGET
BT1 targets

SAMARIUM 152
*BT1 even-even nuclei
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 stable isotopes

SAMARIUM 152 TARGET
BT1 targets

SAMARIUM 153
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
BT1 samarium isotopes

SAMARIUM 154
*BT1 even-even nuclei
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 stable isotopes

SAMARIUM 154 REACTIONS
INIS: Jul 1980; ETDE: Aug 1980
*BT1 heavy ion reactions

SAMARIUM 154 TARGET
BT1 targets

SAMARIUM 155
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei
BT1 samarium isotopes

SAMARIUM 156
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 rare earth nuclei
BT1 samarium isotopes

SAMARIUM 157
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei
BT1 samarium isotopes

SAMARIUM 158
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
*BT1 rare earth nuclei
BT1 samarium isotopes

SAMARIUM 159
INIS: Oct 1986; ETDE: Nov 1986
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 seconds living radioisotopes

SAMARIUM 160
INIS: Oct 1986; ETDE: Nov 1986
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 rare earth nuclei
BT1 samarium isotopes
*BT1 seconds living radioisotopes

SAMARIUM ADDITIONS
(Alloys containing not more than 1% Sm are listed here.)
*BT1 rare earth additions
*BT1 samarium alloys

SAMARIUM ALLOYS
(Alloys containing more than 1% Sm.)
*BT1 rare earth alloys
NT1 samarium additions
NT1 samarium base alloys

SAMARIUM ARSENIDES
INIS: Apr 2000; ETDE: Mar 1977
*BT1 arsenides
*BT1 samarium compounds

SAMARIUM BASE ALLOYS
*BT1 samarium alloys

SAMARIUM BORIDES
*BT1 borides
*BT1 samarium compounds

SAMARIUM BROMIDES
*BT1 bromides
*BT1 samarium compounds

SAMARIUM CARBIDES
*BT1 carbides
*BT1 samarium compounds

SAMARIUM CARBONATES
*BT1 carbonates
*BT1 samarium compounds

SAMARIUM CHLORIDES
*BT1 chlorides
*BT1 samarium compounds

SAMARIUM COMPLEXES
*BT1 rare earth complexes

SAMARIUM COMPOUNDS
BT1 rare earth compounds
NT1 samarium arsenides
NT1 samarium borides
NT1 samarium bromides
NT1 samarium carbides
NT1 samarium carbonates
NT1 samarium chlorides
NT1 samarium fluorides
NT1 samarium hydrides
NT1 samarium hydroxides
NT1 samarium iodides
NT1 samarium nitrates
NT1 samarium nitrides
NT1 samarium oxides
NT1 samarium perchlorates
NT1 samarium phosphates
NT1 samarium phosphides
NT1 samarium selenides
NT1 samarium silicates
NT1 samarium silicides
NT1 samarium sulfates
NT1 samarium sulfides
NT1 samarium tellurides
NT1 samarium tungstates

samarium effect
Use samarium oscillations

SAMARIUM FLUORIDES
*BT1 fluorides
*BT1 samarium compounds

SAMARIUM HYDRIDES
*BT1 hydrides
*BT1 samarium compounds

SAMARIUM HYDROXIDES
*BT1 hydroxides
*BT1 samarium compounds

SAMARIUM IODIDES
*BT1 iodides
*BT1 samarium compounds

SAMARIUM IONS
*BT1 ions

SAMARIUM ISOTOPES
NT1 samarium 131
NT1 samarium 133
NT1 samarium 134
NT1 samarium 135
NT1 samarium 136
NT1 samarium 137
NT1 samarium 138
NT1 samarium 139
NT1 samarium 140
NT1 samarium 141
NT1 samarium 142
NT1 samarium 143
NT1 samarium 144
NT1 samarium 145
NT1 samarium 146
NT1 samarium 147
NT1 samarium 148
NT1 samarium 149
NT1 samarium 150
NT1 samarium 151
NT1 samarium 152
NT1 samarium 153
NT1 samarium 154
NT1 samarium 155
NT1 samarium 156
NT1 samarium 157
NT1 samarium 158
NT1 samarium 159
NT1 samarium 160

SAMARIUM NITRATES
*BT1 nitrates
*BT1 samarium compounds

SAMARIUM NITRIDES
*BT1 nitrides
*BT1 samarium compounds

SAMARIUM OSCILLATIONS
INIS: Apr 2000; ETDE: Feb 1975
(Effects of fission-product samarium on reactor operation.)
UF *samarium effect*
BT1 poisoning
RT nuclear poisons
RT oscillations
RT reactor poison removal
RT samarium

SAMARIUM OXIDES
*BT1 oxides
*BT1 samarium compounds

SAMARIUM PERCHLORATES
INIS: Sep 1991; ETDE: Jan 1975
*BT1 perchlorates
*BT1 samarium compounds

SAMARIUM PHOSPHATES
*BT1 phosphates
*BT1 samarium compounds

SAMARIUM PHOSPHIDES
INIS: Apr 1979; ETDE: May 1979
*BT1 phosphides
*BT1 samarium compounds

SAMARIUM SELENIDES
INIS: Feb 1980; ETDE: Aug 1977
*BT1 samarium compounds
*BT1 selenides

SAMARIUM SILICATES
*BT1 samarium compounds
*BT1 silicates

SAMARIUM SILICIDES
INIS: Oct 1975; ETDE: Dec 1975
*BT1 samarium compounds
*BT1 silicides

SAMARIUM SULFATES
*BT1 samarium compounds
*BT1 sulfates

SAMARIUM SULFIDES
*BT1 samarium compounds
*BT1 sulfides

SAMARIUM TELLURIDES
INIS: Oct 1977; ETDE: Aug 1976
*BT1 samarium compounds
*BT1 tellurides

SAMARIUM TUNGSTATES
INIS: Feb 1980; ETDE: Nov 1976
*BT1 samarium compounds
*BT1 tungstates

SAMPLE CHANGERS
RT laboratory equipment
RT materials handling
RT remote handling
RT sample holders

SAMPLE HOLDERS
INIS: Mar 1976; ETDE: Nov 1975
UF *specimen holders*
UF *target holders*
RT remote handling
RT sample changers

SAMPLE PREPARATION
UF *preparation (sample)*
RT ceramography
RT dry ashing
RT electron microscopy
RT surface treatments
RT wet ashing

SAMPLERS
BT1 equipment
NT1 air samplers
RT filters
RT sampling

SAMPLING
RT elutriation
RT inspection
RT quality control
RT samplers
RT testing
RT ultrafiltration

SAN ANTONIO BAY
INIS: Apr 2000; ETDE: Dec 1974
*BT1 gulf of mexico
RT texas

SAN BERNARDINO MOUNTAINS
INIS: Apr 2000; ETDE: Dec 1974
BT1 mountains
RT california

SAN FRANCISCO BAY
*BT1 pacific ocean
RT california

san juan power plant
Use fossil-fuel power plants

SAN MARINO
INIS: May 2000; ETDE: Nov 1999
BT1 developed countries
*BT1 western europe

SAN ONOFRE-1 REACTOR
(San Clemente, California, USA)
*BT1 pwr type reactors

SAN ONOFRE-2 REACTOR
(San Clemente, California, USA)
*BT1 pwr type reactors

SAN ONOFRE-3 REACTOR
(San Clemente, California, USA)
*BT1 pwr type reactors

san piero a grado pisa reactor
Use rts-1 reactor

SANCTIONS
INIS: Apr 2000; ETDE: Dec 1979
BT1 administrative procedures

SAND
(From August 1984 till February 1997 DUNES was a valid ETDE descriptor.)
SF *dunes*
NT1 black sands
NT1 oil sands
RT alluvial deposits
RT aquifers
RT building materials
RT clays
RT concretes
RT deserts
RT reefs
RT reservoir rock
RT sandstones
RT silicon oxides
RT soils

SAND CONSOLIDATION
INIS: Apr 2000; ETDE: May 1981
UF *consolidation (sand)*
RT natural gas wells
RT oil wells
RT well completion

sand pressure
Use reservoir pressure

SAND WASH BASIN
INIS: Apr 2000; ETDE: Jan 1975
*BT1 colorado
RT green river formation
RT oil shale deposits

SANDIA LABORATORIES
(Name changed to Sandia National Laboratories, and more recent material should be so indexed.)
*BT1 sandia national laboratories
*BT1 us aec
*BT1 us erda
RT california
RT new mexico
RT tonopah test range

SANDIA NATIONAL LABORATORIES
INIS: Apr 1984; ETDE: Aug 1994
(Formerly known as Sandia Laboratories, and older material is so indexed.)
*BT1 us doe
NT1 sandia laboratories
RT california
RT new mexico
RT tonopah test range

sandia pulse reactor-4
Use spr-4 reactor

sandia pulsed reactor-ii
Use spr-2 reactor

sandia pulsed reactor-iii
Use spr-3 reactor

sandia pulsed reactor-iv
Use spr-4 reactor

SANDSTONE PROJECT
INIS: Apr 2000; ETDE: Nov 1986
*BT1 nuclear explosions

SANDSTONES
UF *siliceous rock*
UF+ *tight sands*
*BT1 sedimentary rocks
NT1 graywacke
RT interstitial water
RT montroseite
RT quartzites
RT sand
RT siltstones

sandvik-ht8x6
Use steel-cr2moninb

sanicro 30
Use alloy-fe46ni33cr21

sanicro 70
Use alloy-ni76cr15fe8

SANITARY LANDFILLS
INIS: Sep 1982; ETDE: Sep 1975
(Sites for biologically safe disposal of wastes by burial.)
UF *land fills*
UF *landfills*
*BT1 waste disposal
RT ground disposal
RT us superfund

SANTA BARBARA CHANNEL
INIS: Jun 1992; ETDE: Jan 1977
*BT1 pacific ocean
RT california
RT continental shelf

santa maria de garona nuclear power plant
Use garona reactor

santa maria de garona power reactor
Use garona reactor

SANTA ROSA DEPOSIT
INIS: Apr 2000; ETDE: Jul 1983
*BT1 oil sand deposits
RT new mexico
RT oil sands

SANTEE RIVER
INIS: Apr 2000; ETDE: Aug 1977
*BT1 rivers
RT south carolina

santowax
Use polyphenyls
AND waxes

sao paulo iea zero power reactor
Use iea-zpr reactor

sao paulo iear-1 reactor
Use iear-1 reactor

SAP
UF *sintered aluminum powders*
*BT1 sintered materials
RT aluminium

SAPHIR REACTOR
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 thermal reactors

SAPONIFICATION
*BT1 hydrolysis

SAPONINS
*BT1 glycosides

SAPPHIRE
INIS: May 1976; ETDE: Jan 1975
*BT1 corundum

SAPROPELIC COAL
INIS: Apr 2000; ETDE: May 1978
*BT1 coal
NT1 boghead coal
NT2 torbanite
NT1 cannel coal

sar-2 reactor
Use stark reactor

SARA CYCLOTRON
INIS: Jun 1984; ETDE: Feb 1984
(Systeme Accelerateur Rhone-Alpes -- consists of two cyclotrons, the injector cyclotron and the post-accelerator cyclotron.)
UF *systeme accelerateur rhone-alpes*
*BT1 isochronous cyclotrons

SARCODINA
INIS: Apr 1992; ETDE: Jun 1981
*BT1 protozoa
NT1 amoeba
NT1 foraminifera

SARCOMAS
UF+ *chondrosarcomas*
*BT1 neoplasms
NT1 fibrosarcomas
NT1 lymphosarcomas
NT1 myosarcomas
NT2 rhabdomyosarcomas
NT1 osteosarcomas

SARCOPLASMIC RETICULUM
INIS: Apr 2000; ETDE: Feb 1982
*BT1 endoplasmic reticulum
RT muscles

SARCOSINE
UF *methyl glycocoll*
UF *methylaminoacetic acid*
*BT1 amino acids
RT glycine

SAREF REACTOR
INIS: Jan 1977; ETDE: Aug 1976
UF *inel safety research experimental facility reactor*
UF *safety research experiment facility reactor*
*BT1 fast reactors
*BT1 zero power reactors

SARGASSO SEA
*BT1 atlantic ocean

sarson
Use brassica

SASKATCHEWAN
(Prior to August 1996 BEAVERLODGE was a valid ETDE descriptor.)
UF *beaverlodge*
*BT1 canada
RT athabasca lake
RT beaverlodge mine
RT cluff lake mine
RT cold lake deposit
RT key lake mine

RT williston basin

SASOL-II PROCESS
INIS: Apr 2000; ETDE: Mar 1980
(Liquefaction process based on Lurgi pressure gasification, Fischer-Tropsch synthesis and Rectisol process using circulating fluid bed reactors to produce gasoline and other refined products.)
*BT1 coal liquefaction
RT fischer-tropsch synthesis
RT lurgi process
RT rectisol process

SASOL PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(South African Coal, Oil, and Gas Co. Ltd. Process for indirect conversion of coal to synthetic crude oil by complete gasification to CO and H followed by Fisher-Tropsch synthesis.)
*BT1 coal liquefaction

SATELLITE ATMOSPHERES
INIS: Nov 1981; ETDE: Jan 1982
(For atmospheres of the natural satellites.)
BT1 atmospheres
NT1 lunar atmosphere

satellite power system
Use orbital solar power plants

satellite solar power stations
Use orbital solar power plants

SATELLITES
NT1 alouette satellites
NT1 ariel satellites
NT1 astron satellites
NT1 ats satellites
NT1 biosatellites
NT1 explorer satellites
NT1 geos satellites
NT1 goes satellites
NT1 imp satellites
NT1 interkosmos satellites
NT1 kosmos satellites
NT1 landsat satellites
NT1 mir orbital station
NT1 molniya satellites
NT1 moon
NT1 nimbus satellites
NT1 ogo satellites
NT1 orbiting solar observatories
NT1 power relay satellites
NT1 prognoz satellites
NT1 proton satellites
NT1 salyut orbital stations
NT1 seasat satellites
NT1 skylab
RT orbital solar power plants
RT remote sensing
RT space flight
RT space vehicles

saturable core magnetometers
Use fluxgate magnetometers

SATURATION
NT1 gas saturation
NT1 oil saturation
NT1 supersaturation
NT1 water saturation
RT solubility
RT solutions

SATURN PLANET
BT1 planets

SATURNE
UF *saclay synchrotron*
*BT1 synchrotrons

SATURNE II
INIS: Dec 1979; ETDE: Jan 1980
*BT1 synchrotrons

SAUDI ARABIA
BT1 arab countries
BT1 asia
BT1 developing countries
BT1 middle east
RT oapec
RT opec

SAUSAGE INSTABILITY
*BT1 plasma macroinstabilities

savannah (nuclear ship)
Use ns savannah

savannah pressurized subcritical experiment
Use pse reactor

SAVANNAH REACTOR
UF *nuclear ship savannah reactor*
*BT1 pwr type reactors
*BT1 ship propulsion reactors
RT ns savannah

SAVANNAH RIVER
*BT1 rivers
RT georgia
RT south carolina

savannah river lab rtr reactor
Use rtr reactor

SAVANNAH RIVER PLANT
SF *east facility*
SF *energy applied systems test facility*
*BT1 us aec
*BT1 us doe
*BT1 us erda
RT south carolina

savannah river plant c reactor
Use c reactor

savannah river plant k reactor
Use k reactor

savannah river plant l reactor
Use l reactor

savannah river plant p reactor
Use p reactor

savannah river plant r reactor
Use r reactor

savannah river process development reactor
Use pdp reactor

savannah river test pile-305
Use sr-305 reactor

SAVANNAS
INIS: Apr 2000; ETDE: Oct 1986
(Distinct biomes characterized by grassland with interspersed trees.)
*BT1 terrestrial ecosystems
RT arid lands
RT tropical regions

SAVONIUS ROTORS
INIS: Apr 2000; ETDE: Feb 1976
BT1 rotors
RT vertical axis turbines

sawada method
Use goldstone diagrams

SAWTOOTH OSCILLATIONS
INIS: Nov 1988; ETDE: Dec 1988
BT1 oscillations
RT kink instability
RT magnetic reconnection
RT plasma
RT plasma confinement
RT plasma disruption
RT rotational transform
RT stellarators
RT tokamak devices

saxon-woods potential
Use woods-saxon potential

SAXTON REACTOR
*BT1 pwr type reactors

SBR-1 REACTOR
(Obninsk, Russian Federation)
UF *br-1 reactor (russian federation)*
UF *soviet breeder reactor-1*
*BT1 enriched uranium reactors
*BT1 lmfbr type reactors
*BT1 plutonium reactors
*BT1 research reactors

SBR-2 REACTOR
(Obninsk, Russian Federation)
UF *br-2 reactor (russian federation)*
UF *soviet breeder reactor-2*
*BT1 lmfbr type reactors
*BT1 mercury cooled reactors
*BT1 plutonium reactors
*BT1 research reactors

SBR-5 REACTOR
(Obninsk, Russian Federation)
UF *br-5 reactor (russian federation)*
UF *soviet breeder reactor-5*
*BT1 lmfbr type reactors
*BT1 plutonium reactors
*BT1 research reactors
*BT1 sodium cooled reactors
*BT1 test reactors

sca model
Use semiclassical approximation

SCALAR FIELDS
RT quantum field theory

SCALAR MESONS
(Mesons with spin and parity 0+.)
*BT1 mesons
NT1 a0-980 mesons
NT1 chi0-3415 mesons
NT1 f0-1240 mesons
NT1 f0-1300 mesons
NT1 f0-1590 mesons
NT1 f0-1730 mesons
NT1 f0-980 mesons
NT1 k*0-1430 mesons
RT sigma model

SCALARS
RT mathematics
RT pseudoscalars
RT tensors

SCALE CONTROL
INIS: May 1992; ETDE: May 1978
BT1 control
RT corrosion protection
RT descaling
RT scaling

SCALE DIMENSION
(A natural number characteristic of the scale-transformation properties of a given quantum field.)
NT1 anomalous dimension
NT1 canonical dimension
RT conformal invariance
RT quantum field theory
RT scale invariance

SCALE HEIGHT
INIS: Apr 1986; ETDE: Jan 1975
(Measure of the relation between density and temperature of points in an atmosphere.)
*BT1 height
RT ionosphere
RT virtual height

SCALE INVARIANCE
BT1 invariance principles
RT conformal invariance
RT particle rapidity
RT scale dimension

SCALE MODELS
INIS: Jul 1980; ETDE: Feb 1980
(A three-dimensional representation of an object or structure containing all parts in the same proportion as their true size.)
UF *models (scale)*
BT1 structural models
RT functional models
RT mockup
RT scaling laws
RT simulators

SCALERS
UF *scaling units*
*BT1 electronic equipment
RT counting circuits
RT counting tubes
RT pulse techniques
RT radiation detectors

SCALING
(Forming a thick layer of metallic oxides on metals at high temperature. Also, depositing of solid inorganic solutes from water on a metal surface, such as a cooling tube or boiler.)
RT corrosion
RT corrosion products
RT deposition
RT descaling
RT precipitation
RT scale control

SCALING LAWS
RT calibration
RT mathematical models
RT scale models
RT simulation

scaling units
Use scalers

SCANDINAVIA
*BT1 western europe
NT1 denmark
NT1 finland
NT1 norway
NT1 sweden

SCANDIUM
*BT1 transition elements

SCANDIUM 39
INIS: Jul 1989; ETDE: Jul 1989
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 proton decay radioisotopes
*BT1 scandium isotopes

SCANDIUM 40
*BT1 beta-plus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 scandium isotopes

SCANDIUM 41
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 scandium isotopes

SCANDIUM 42
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 scandium isotopes
*BT1 seconds living radioisotopes

SCANDIUM 43
*BT1 beta-plus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 scandium isotopes

SCANDIUM 44
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 scandium isotopes

SCANDIUM 45
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 scandium isotopes
*BT1 stable isotopes

SCANDIUM 45 REACTIONS
INIS: Nov 1980; ETDE: Jan 1981
*BT1 heavy ion reactions

SCANDIUM 45 TARGET
BT1 targets

SCANDIUM 46
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 scandium isotopes
*BT1 seconds living radioisotopes

SCANDIUM 47
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 scandium isotopes

SCANDIUM 47 TARGET
INIS: Sep 1992; ETDE: Jul 1979
BT1 targets

SCANDIUM 48
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 scandium isotopes

SCANDIUM 49
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 scandium isotopes

SCANDIUM 50
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 scandium isotopes

SCANDIUM 51
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 scandium isotopes
*BT1 seconds living radioisotopes

SCANDIUM 52
INIS: Oct 1984; ETDE: May 1976
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 scandium isotopes
*BT1 seconds living radioisotopes

SCANDIUM 53
INIS: Feb 1991; ETDE: Jan 1981
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 scandium isotopes

SCANDIUM 54
INIS: Feb 1991; ETDE: Feb 1991
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 scandium isotopes

SCANDIUM 55
INIS: Feb 1991; ETDE: Feb 1991
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 scandium isotopes

SCANDIUM ADDITIONS
(Alloys containing not more than 1% Sc are listed here.)
*BT1 scandium alloys

SCANDIUM ALLOYS
(Alloys containing more than 1% Sc.)
*BT1 transition element alloys
NT1 scandium additions
NT1 scandium base alloys

SCANDIUM BASE ALLOYS
*BT1 scandium alloys

SCANDIUM BORIDES
*BT1 borides
*BT1 scandium compounds

SCANDIUM BROMIDES
INIS: Aug 1976; ETDE: Nov 1976
*BT1 bromides
*BT1 scandium compounds

SCANDIUM CARBIDES
*BT1 carbides
*BT1 scandium compounds

SCANDIUM CARBONATES
INIS: Apr 2000; ETDE: Mar 1989
*BT1 carbonates
*BT1 scandium compounds

SCANDIUM CHLORIDES
*BT1 chlorides
*BT1 scandium compounds

SCANDIUM COMPLEXES
*BT1 transition element complexes

SCANDIUM COMPOUNDS
UF+ *scandium selenides*
BT1 transition element compounds
NT1 scandium borides
NT1 scandium bromides
NT1 scandium carbides
NT1 scandium carbonates
NT1 scandium chlorides
NT1 scandium fluorides
NT1 scandium hydrides
NT1 scandium hydroxides
NT1 scandium iodides
NT1 scandium nitrates
NT1 scandium nitrides
NT1 scandium oxides
NT1 scandium perchlorates
NT1 scandium phosphates
NT1 scandium phosphides
NT1 scandium silicates
NT1 scandium silicides
NT1 scandium sulfates
NT1 scandium sulfides
NT1 scandium tungstates

SCANDIUM FLUORIDES
*BT1 fluorides
*BT1 scandium compounds

SCANDIUM HYDRIDES
*BT1 hydrides
*BT1 scandium compounds

SCANDIUM HYDROXIDES
*BT1 hydroxides
*BT1 scandium compounds

SCANDIUM IODIDES
*BT1 iodides
*BT1 scandium compounds

SCANDIUM IONS
*BT1 ions

SCANDIUM ISOTOPES
BT1 isotopes
NT1 scandium 39
NT1 scandium 40
NT1 scandium 41
NT1 scandium 42
NT1 scandium 43
NT1 scandium 44
NT1 scandium 45
NT1 scandium 46
NT1 scandium 47
NT1 scandium 48
NT1 scandium 49
NT1 scandium 50
NT1 scandium 51
NT1 scandium 52
NT1 scandium 53
NT1 scandium 54
NT1 scandium 55

SCANDIUM NITRATES
*BT1 nitrates
*BT1 scandium compounds

SCANDIUM NITRIDES
*BT1 nitrides
*BT1 scandium compounds

SCANDIUM OXIDES
*BT1 oxides
*BT1 scandium compounds

SCANDIUM PERCHLORATES
INIS: Apr 2000; ETDE: Nov 1977
*BT1 perchlorates
*BT1 scandium compounds

SCANDIUM PHOSPHATES
INIS: Sep 1976; ETDE: Nov 1976
*BT1 phosphates
*BT1 scandium compounds

SCANDIUM PHOSPHIDES
INIS: Feb 1981; ETDE: Oct 1980
*BT1 phosphides
*BT1 scandium compounds

scandium selenides
Use scandium compounds
AND selenides

SCANDIUM SILICATES
*BT1 scandium compounds
*BT1 silicates

SCANDIUM SILICIDES
INIS: May 1978; ETDE: Mar 1978
*BT1 scandium compounds
*BT1 silicides

SCANDIUM SULFATES
*BT1 scandium compounds
*BT1 sulfates

SCANDIUM SULFIDES
*BT1 scandium compounds
*BT1 sulfides

SCANDIUM TUNGSTATES
INIS: Jun 1982; ETDE: Jul 1982
*BT1 scandium compounds
*BT1 tungstates

scanners (beam)
Use beam scanners

scanners (image)
Use image scanners

scanners (optical)
Use image scanners
AND optical equipment

scanners (radioisotope)
Use radioisotope scanners

scanning (electron)
Use electron scanning

scanning (fuel)
Use fuel scanning

scanning (radioisotope)
Use radioisotope scanning

scanning acoustic microscopy
Use acoustic microscopy

SCANNING ELECTRON MICROSCOPY
INIS: Mar 1981; ETDE: Nov 1979
(Prior to January 1983 this concept was indexed by coordination of ELECTRON MICROSCOPY and ELECTRON SCANNING.)
UF *ebic*
UF *electron beam induced current*
UF *sem (microscopy)*
*BT1 electron microscopy

SCANNING LIGHT MICROSCOPY
INIS: Jul 1994; ETDE: Mar 1983
(Means of spatial mapping of the optical or electrical properties of deep energy levels in semiconductors.)
UF *slm*
*BT1 optical microscopy
RT photocurrents
RT photoluminescence
RT reflectivity

SCANNING MEASURING PROJECTORS
UF *franckenstein*
UF *projectors (scanning)*
UF *smp devices*
*BT1 digitizers

SCANNING TUNNELING MICROSCOPY
INIS: Jul 1999; ETDE: Sep 1999
(Technique used to study surface properties of materials from atomic to micron level. A potential difference is applied between a sharp metallic tip and a surface; electrons tunnel across the gap between them.)
UF *stm*
BT1 microscopy
RT atomic force microscopy

SCARABEE REACTOR
INIS: Sep 1999; ETDE: Sep 1999
(Nuclear Protection and Safety Institute, CEA St. Paul Lez Durance, France.)
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

SCATTERING
(Prior to March 1997 KHURI REPRESENTATION and HAYWOOD MODEL were valid ETDE descriptors; prior to August 1996 ZEMACH-GLAUBER FORMALISM was a valid ETDE descriptor.)
SF *khuri representation*
SF *zemach-glauber formalism*
NT1 backscattering
NT1 coherent scattering
NT2 brillouin effect
NT2 diffraction
NT3 atomic beam diffraction
NT3 diffuse scattering
NT3 electron diffraction
NT3 neutron diffraction
NT3 x-ray diffraction
NT2 rayleigh scattering
NT1 elastic scattering
NT2 bhabha scattering
NT2 compton effect
NT2 coulomb scattering
NT2 moeller scattering
NT2 mott scattering
NT2 potential scattering
NT2 rutherford scattering
NT2 wigner scattering
NT1 incoherent scattering
NT1 inelastic scattering
NT2 deep inelastic scattering
NT2 delbrueck scattering
NT2 resonance scattering
NT2 thomson scattering
NT1 light scattering
NT1 multiple scattering
NT1 proximity scattering
NT1 quasi-elastic scattering
NT1 rescattering
NT1 small angle scattering
RT adiabatic approximation
RT binary encounter method

RT blankenbecler-sugar equations
RT born approximation
RT born-oppenheimer approximation
RT brinkman-kramers approximation
RT buildup
RT center-of-mass system
RT collisions
RT conspiracy relations
RT coupled channel born approximation
RT detailed balance principle
RT diabatic approximation
RT dispersion relations
RT dwba
RT effective range theory
RT four momentum transfer
RT fsc approximation
RT glauber theory
RT gribov-lipatov relation
RT impact parameter
RT impulse approximation
RT incidence angle
RT interactions
RT inverse scattering problem
RT ion scattering analysis
RT jost function
RT laboratory system
RT landau curves
RT lane-robson theory
RT levinson theorem
RT nuclear reactions
RT partial waves
RT perturbation theory
RT phase shift
RT polarization-asymmetry ratio
RT radiation scattering analysis
RT raman effect
RT resonating-group method
RT s matrix
RT scattering amplitudes
RT scattering lengths
RT semiclassical approximation
RT shadow effect
RT shielding
RT spectroscopic factors
RT stray radiation
RT targets
RT threshold energy
RT transport theory
RT wkb approximation

SCATTERING AMPLITUDES

BT1 amplitudes
RT abfst equation
RT argand diagrams
RT crossing symmetry
RT dispersion relations
RT duality
RT eikonal approximation
RT linear absorption models
RT partial waves
RT quasipotential equation
RT regge poles
RT s matrix
RT scattering
RT singularity
RT veneziano model

SCATTERING LENGTHS

*BT1 length
RT scattering

SCATTERPLOTS

(Two-dimensional projections of multidimensional data.)
*BT1 diagrams
NT1 argand diagrams
NT1 dalitz plot
NT1 prism plot

SCAVENGING

RT hot atom chemistry
RT radiation chemistry
RT radicals

scavenging (atmospheric)

Use washout

SCENEDESMUS

*BT1 chlorophycota
*BT1 unicellular algae

SCHEDULES

INIS: Jul 1986; ETDE: May 1983
RT construction
RT contract management
RT forecasting
RT management
RT organizing
RT pert method
RT planning
RT time delay

SCHIFF BASES

*BT1 imines

SCHIFFER POTENTIAL

INIS: Oct 1976; ETDE: Dec 1976
*BT1 nucleon-nucleon potential
RT nucleon-nucleon interactions

SCHISTOSOMA

*BT1 trematodes
RT schistosomiasis

SCHISTOSOMIASIS

*BT1 parasitic diseases
RT schistosoma
RT snails

SCHISTS

INIS: Jun 1977; ETDE: Jan 1975
(Strongly foliated crystalline rocks formed by dynamic metamorphism which can be readily split into thin flakes or slabs due to the well developed parallelism of more than 50% of the minerals present.)
*BT1 metamorphic rocks

SCHLIEREN METHOD

BT1 photography
RT opacity
RT refraction
RT visible radiation

schmalfeldt-wintershall process

Use coal gasification

SCHMEHAUSEN-2 REACTOR

INIS: Apr 2000; ETDE: Sep 1975
*BT1 enriched uranium reactors
*BT1 helium cooled reactors
*BT1 htgr type reactors
*BT1 power reactors

schmehausen reactor

Use thtr-300 reactor

schmehausen thtr reactor

Use thtr-300 reactor

schmid-vicchnicki technique

Use heat exchanger method

SCHMIDT LINES

RT nuclear magnetic moments
RT spin

SCHMIDT MODEL

RT single-particle model
RT spin

schmitt trigger circuits

Use multivibrators

schnelle null-energie anordnung karlsruhe

Use sneak reactor

schneller natriumgekuehlter reaktor

Use snr reactor

SCHOEPITE

*BT1 oxide minerals
*BT1 uranium minerals
RT uranium oxides

SCHOOL BUILDINGS

INIS: Sep 1992; ETDE: Apr 1976
BT1 buildings
BT1 educational facilities
RT laboratory buildings
RT public buildings

school facilities

Use educational facilities

school plant

Use educational facilities

schools

Use educational facilities

schooner event

Use cratering explosions
AND thermonuclear explosions
AND underground explosions

SCHOTTKY BARRIER DIODES

*BT1 semiconductor diodes
RT schottky barrier solar cells
RT tunnel diodes

SCHOTTKY BARRIER SOLAR CELLS

INIS: Apr 2000; ETDE: Jul 1981
*BT1 solar cells
RT mis solar cells
RT schottky barrier diodes

SCHOTTKY DEFECTS

*BT1 vacancies

SCHOTTKY EFFECT

RT thermionics

schroeckingerite

Use carbonate minerals
AND halide minerals
AND sulfate minerals
AND uranium minerals

SCHROEDINGER EQUATION

*BT1 wave equations
RT dirac equation
RT jost function
RT quantum mechanics
RT wave functions

SCHROEDINGER PICTURE

INIS: Mar 1976; ETDE: Jan 1976
UF *schroedinger representation*
RT heisenberg picture
RT quantum field theory
RT quantum mechanics

schroedinger representation

Use schroedinger picture

SCHULZ METHOD

RT diffraction methods
RT texture

SCHUMANN-RUNGE BANDS
RT spectra

schwarzschild field
Use schwarzschild metric

SCHWARZSCHILD METRIC
UF *schwarzschild field*
UF *schwarzschild solution*
UF *schwarzschild space*
BT1 metrics
RT cosmology
RT general relativity theory
RT gravitation

SCHWARZSCHILD RADIUS
RT black holes
RT gravitational collapse

schwarzschild solution
Use schwarzschild metric

schwarzschild space
Use schwarzschild metric

SCHWINGER FUNCTIONAL EQUATIONS
*BT1 differential equations
RT quantum field theory

SCHWINGER SOURCE THEORY
RT causality
RT elementary particles
RT quantum field theory

SCHWINGER TERMS
RT current commutators
RT delta function

SCHWINGER-TOMONAGA FORMALISM
*BT1 quantum electrodynamics

SCHWINGER VARIATIONAL METHOD
*BT1 variational methods
RT lippmann-schwinger equation
RT quantum mechanics

SCIATIC NERVE
*BT1 nerves
RT legs

SCIENTIFIC PERSONNEL
INIS: Sep 1993; ETDE: May 1995
SF *professional personnel*
BT1 personnel

scintigraphy
Use scintiscanning

scintillation cameras
Use gamma cameras

scintillation chambers
Use scintillation counters

SCINTILLATION COUNTERS
UF *scintillation chambers*
UF *scintillation detectors*
*BT1 radiation detectors
NT1 gas scintillation detectors
NT1 liquid scintillation detectors
NT1 scintillator-photodiode detectors
NT1 solid scintillation detectors
NT2 bgo detectors
NT2 nai detectors
NT2 plastic scintillation detectors
RT dosemeters
RT light pipes
RT luminescent chambers
RT phosphors
RT photomultipliers
RT proton recoil detectors
RT scintillation counting
RT scintillation quenching

SCINTILLATION COUNTING
BT1 counting techniques
RT liquid scintillators
RT scintillation counters
RT scintillation quenching

scintillation detectors
Use scintillation counters

SCINTILLATION QUENCHING
UF *quenching (scintillation)*
RT liquid scintillation detectors
RT scintillation counters
RT scintillation counting

SCINTILLATIONS
RT radioluminescence

SCINTILLATOR-PHOTODIODE DETECTORS
*BT1 scintillation counters

scintillators
Use phosphors

SCINTISCANNING
UF *scintigraphy*
BT1 diagnostic techniques
*BT1 radioisotope scanning
NT1 radioimmunoscintigraphy
RT diagnosis
RT dual-isotope subtraction technique
RT images
RT labelled compounds
RT nuclear medicine
RT osteodensitometry
RT radiopharmaceuticals

scioto river
Use ohio
AND rivers

SCISSION-POINT MODEL
INIS: Oct 1986; ETDE: May 1985
(A static model of nuclear fission based on the assumption of statistical equilibrium among collective degrees of freedom at the scission point.)
*BT1 nuclear models
RT fission

sclera
Use eyes

SCLEROPROTEINS
*BT1 proteins
NT1 collagen
NT1 fibrin
NT1 glutin
NT1 keratin

SCORPIONS
*BT1 arachnids

SCOT PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process for increasing sulfur recovery efficiency of Claus units from the usual level of about 95% to more than 99.8%.)
UF *shell claus off-gas treating process*
*BT1 desulfurization

scotch event
Use nuclear explosions
AND underground explosions

scotland
Use united kingdom

scottish research reactor center utr-100 reactor
Use srrc-utr-100 reactor

SCRAM
UF *emergency shutdown*
*BT1 reactor shutdown
RT atws
RT fluid poison control
RT reactor protection systems
RT reactor safety fuses
RT scram rods
RT soluble poisons

SCRAM RODS
UF *emergency rods*
UF *safety rods*
*BT1 control elements
RT neutron absorbers
RT scram

SCRAP
INIS: Mar 1983; ETDE: Mar 1978
(Material, usually from production processes, which can be reprocessed or recycled to become useful.)
*BT1 solid wastes
NT1 scrap metals
RT industrial wastes
RT municipal wastes
RT recycling
RT waste processing

SCRAP METALS
INIS: Sep 1994; ETDE: Aug 1977
(Metallic waste from the production of metals or from the fabrication or obsolescence of metal equipment.)
*BT1 metals
*BT1 scrap
RT industrial wastes
RT metal industry

SCRAPERS
INIS: Apr 2000; ETDE: May 1982
BT1 equipment
RT dewaxing
RT pipelines
RT pipes
RT surface cleaning
RT well servicing

SCREEN PRINTING
INIS: Apr 2000; ETDE: Feb 1979
*BT1 surface coating
RT coatings
RT masking

SCREENING
INIS: Apr 2000; ETDE: May 1978
(Process of separating various-sized particles by using screens with different-sized openings by rotating, shaking, vibrating, or otherwise agitating the screen.)
RT sorting

screening (carcinogen)
Use carcinogen screening

screening (magnetic fields)
Use magnetic shielding

screening (mutagen)
Use mutagen screening

screening (nuclear)
Use nuclear screening

screening (teratogen)
Use teratogen screening

SCREENS
INIS: Sep 1977; ETDE: Jun 1975
(Permeable barriers, frequently of perforated plates or metal wire mesh, used to prevent particles or objects larger than a specified size from passing beyond a given point in a flow stream, while permitting everything of smaller size to pass. Not to be used for viewing screens on which any type of image is displayed as on a cathode ray tube.)
NT1 trommels
RT concentrators
RT curtains
RT filters
RT fouling
RT gratings
RT impingement
RT intake structures
RT particle size classifiers
RT separation processes
RT sorting

SCREW DISLOCATIONS
UF *frank dislocations*
UF *frank loops*
*BT1 dislocations

screw instability
Use helical instability

SCREW PINCH
(Cylindrical plasma equilibrium in which the axial and azimuthal components of the vacuum field are the same size.)
BT1 pinch effect
RT linear screw pinch devices
RT toroidal screw pinch devices

screwing
Use fastening

screws
Use fasteners

SCREWWORM FLY
INIS: Sep 1975; ETDE: Oct 1975
*BT1 flies
RT domestic animals
RT parasites

scriba nuclear power plant
Use nine mile point-1 reactor

SCRUBBERS
*BT1 pollution control equipment
NT1 dry scrubbers
RT air cleaning
RT air cleaning systems
RT air filters
RT air pollution
RT air pollution control
RT consol fgd process
RT cyclone separators
RT dust collectors
RT scrubbing
RT sprays
RT thiosorbic process
RT waste processing

SCRUBBING
INIS: Sep 1983; ETDE: Jul 1975
NT1 lime-limestone wet scrubbing processes
NT2 bischoff process
RT chemisorption
RT cleaning
RT decontamination
RT descaling
RT filters
RT flue gas
RT magnesium slurry scrubbing process
RT off-gas systems
RT pollution control equipment
RT purification
RT scrubbers
RT separation processes
RT sprays
RT washing

SCYLLA DEVICES
*BT1 linear theta pinch devices

SCYLLAC DEVICES
*BT1 toroidal theta pinch devices

SDS COMPUTERS
BT1 computers

SEA BED
RT earth crust
RT geomorphology
RT seas
RT sediment-water interfaces
RT sediments
RT soil mechanics
RT submarine canyons

sea disposal
Use marine disposal

SEA-FLOOR SPREADING
INIS: Apr 2000; ETDE: Aug 1976
(A hypothesis that the oceanic crust is increasing by convective upwelling of magma along the mid-oceanic ridges or world rift system, and a moving away of the new material at a rate of from one to ten centimeters per year. This movement provides the source of power in the hypothesis of plate tectonics.)
UF *ocean spreading center*
RT earth crust
RT plate tectonics
RT seas

SEA LEVEL
BT1 levels

sea of marmara
Use seas
AND turkey

SEA URCHINS
*BT1 echinoderms

sea, safety of life at, convention
Use solas convention

seaboard process
Use desulfurization

SEABROOK-1 REACTOR
(Seabrook, New Hampshire, USA)
*BT1 pwr type reactors

SEABROOK-2 REACTOR
(Seabrook, New Hampshire, USA)
*BT1 pwr type reactors

seacoast
Use shores

SEACOKE PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(A fluidized-bed pyrolysis of coal, with partial counterflow of gas and char to maximize liquid and gas yield from volatile matter of coal, to produce gas, liquid, and solid product streams, developed by Atlantic Refining Co., now Atlantic Richfield Co.)
*BT1 coal gasification

SEAFOOD
BT1 fish products
BT1 food
RT crabs
RT fishes
RT lobsters
RT oysters
RT plaice
RT prawns
RT shrimp
RT snails
RT trout

SEALED SOURCES
BT1 radiation sources
RT containment
RT leak testing
RT leaks

SEALING MATERIALS
BT1 materials
RT grouting
RT seals
RT waterproofing

SEALS
(From November 1977 to February 1997 CAULKING was a valid ETDE descriptor.)
SF *caulking*
NT1 gaskets
NT1 inflatable seals
NT1 security seals
RT cementing
RT closures
RT grouting
RT liners
RT pipe fittings
RT sealing materials
RT waterproofing

seals (mammals)
Use pinnipeds

seam welding
Use welding

seam welds
Use welded joints

SEAS
(For use only in its geographic connotation; for the legal connotation see HIGH SEAS and TERRITORIAL WATERS.)
UF *oceans*
UF+ *bass strait*
UF+ *marmara sea*
UF+ *marmora sea*
UF+ *sea of marmara*
BT1 surface waters
NT1 antarctic ocean
NT2 weddell sea
NT1 aral sea
NT1 arctic ocean
NT2 beaufort sea
NT3 prudhoe bay
NT2 chukchi sea
NT1 atlantic ocean
NT2 baltimore canyon
NT2 bay of biscay
NT2 bay of fundy

NT2 biscayne bay
NT2 caribbean sea
NT3 gulf of mexico
NT4 galveston bay
NT4 san antonio bay
NT2 chesapeake bay
NT2 delaware bay
NT2 gulf of maine
NT2 irish sea
NT2 long island sound
NT2 mid-atlantic bight
NT3 new york bight
NT2 north sea
NT3 wadden sea
NT2 onslow bay
NT2 sargasso sea
NT2 south atlantic bight
NT2 weddell sea
NT1 baltic sea
NT1 black sea
NT1 caspian sea
NT1 indian ocean
NT2 arabian sea
NT3 persian gulf
NT4 strait of hormuz
NT2 timor sea
NT1 mediterranean sea
NT2 adriatic sea
NT2 aegean sea
NT1 pacific ocean
NT2 bering sea
NT2 china sea
NT2 gulf of alaska
NT2 gulf of california
NT2 puget sound
NT2 san francisco bay
NT2 santa barbara channel
NT2 sequim bay
NT2 tasman sea
NT1 red sea
NT2 gulf of suez
RT bathymetry
RT coastal waters
RT estuaries
RT harbors
RT high seas
RT islands
RT marinas
RT oceanic circulation
RT oceanography
RT offshore nuclear power plants
RT offshore sites
RT reefs
RT sea bed
RT sea-floor spreading
RT seawater
RT shores
RT territorial waters
RT tide
RT tsunamis
RT water currents
RT water waves
RT wave energy converters

SEASAT SATELLITES

INIS: Apr 2000; ETDE: Mar 1980
BT1 satellites
RT aerial prospecting
RT remote sensing

SEASONAL THERMAL ENERGY STORAGE

INIS: Apr 2000; ETDE: May 1982
UF *stes*
*BT1 heat storage
RT latent heat storage
RT sensible heat storage

SEASONAL VARIATIONS

UF+ *time-of-season pricing*
BT1 variations
RT climate models
RT seasons
RT time-of-use pricing

seasonings

Use food

SEASONS

RT atmospheric precipitations
RT climates
RT meteorology
RT seasonal variations
RT vernalization
RT weather

SEAWATER

*BT1 water
RT brines
RT desalination
RT desalination plants
RT estuaries
RT fiords
RT salinity
RT salinity gradient power plants
RT salinity gradients
RT seas

SEAWEEDS

UF *kelp*
BT1 aquatic organisms
BT1 plants
NT1 fucus
NT1 laminaria

sebaceous glands

Use glands
AND skin

SEBACIC ACID

*BT1 dicarboxylic acids

secale

Use rye

SECOND-CLASS CURRENTS

(Classification of currents according to their properties under G-parity transformations.)
*BT1 algebraic currents
RT weak interactions

second-harmonic generation

Use harmonic generation

SECOND QUANTIZATION

BT1 quantization
RT annihilation operators
RT creation operators
RT quantum field theory
RT quantum mechanics

SECOND SOUND

RT sound waves
RT superfluidity

secondary batteries

Use electric batteries

SECONDARY BEAMS

BT1 beams
NT1 carbon 11 beams
NT1 helium 8 beams
RT ion probes

SECONDARY COOLANT CIRCUITS

*BT1 reactor cooling systems

SECONDARY COSMIC RADIATION

*BT1 cosmic radiation
NT1 cosmic electrons
NT1 cosmic kaons
NT1 cosmic muons
NT1 cosmic neutrons
NT1 cosmic pions
NT1 cosmic positrons
NT1 cosmic showers
NT2 extensive air showers

SECONDARY EMISSION

BT1 emission
NT1 photoemission
RT ion probes
RT photon emission

SECONDARY EMISSION DETECTORS

*BT1 radiation detectors

SECONDARY REACTIONS

BT1 nuclear reactions

secondary recovery

Use enhanced recovery

secondary standard dosimetry laboratories

Use ssdl

SECONDS LIVING RADIOISOTOPES

*BT1 radioisotopes
NT1 actinium 214
NT1 actinium 222
NT1 actinium 234
NT1 aluminium 24
NT1 aluminium 25
NT1 aluminium 26
NT1 aluminium 30
NT1 americium 232
NT1 antimony 105
NT1 antimony 106
NT1 antimony 108
NT1 antimony 109
NT1 antimony 110
NT1 antimony 112
NT1 antimony 126
NT1 antimony 134
NT1 antimony 135
NT1 argon 35
NT1 argon 45
NT1 argon 46
NT1 arsenic 67
NT1 arsenic 80
NT1 arsenic 81
NT1 arsenic 82
NT1 arsenic 83
NT1 arsenic 84
NT1 arsenic 85
NT1 astatine 198
NT1 astatine 199
NT1 astatine 200
NT1 astatine 202
NT1 astatine 218
NT1 astatine 219
NT1 astatine 222
NT1 astatine 223
NT1 barium 117
NT1 barium 118
NT1 barium 119
NT1 barium 120
NT1 barium 121
NT1 barium 127
NT1 barium 143
NT1 barium 144
NT1 barium 145

NT1 barium 146
NT1 beryllium 11
NT1 bismuth 189
NT1 bismuth 190
NT1 bismuth 191
NT1 bismuth 192
NT1 bismuth 193
NT1 bismuth 198
NT1 bromine 71
NT1 bromine 76
NT1 bromine 79
NT1 bromine 86
NT1 bromine 87
NT1 bromine 88
NT1 bromine 89
NT1 bromine 90
NT1 cadmium 120
NT1 cadmium 121
NT1 cadmium 122
NT1 cadmium 123
NT1 cadmium 124
NT1 cadmium 97
NT1 cadmium 98
NT1 cadmium 99
NT1 calcium 50
NT1 calcium 51
NT1 calcium 52
NT1 californium 239
NT1 carbon 10
NT1 carbon 15
NT1 cerium 121
NT1 cerium 123
NT1 cerium 124
NT1 cerium 125
NT1 cerium 126
NT1 cerium 127
NT1 cerium 135
NT1 cerium 139
NT1 cerium 147
NT1 cerium 148
NT1 cerium 149
NT1 cerium 150
NT1 cerium 151
NT1 cerium 152
NT1 cesium 115
NT1 cesium 116
NT1 cesium 117
NT1 cesium 118
NT1 cesium 119
NT1 cesium 122
NT1 cesium 123
NT1 cesium 124
NT1 cesium 136
NT1 cesium 141
NT1 cesium 142
NT1 cesium 143
NT1 cesium 144
NT1 chlorine 33
NT1 chlorine 34
NT1 chlorine 38
NT1 chlorine 41
NT1 chromium 57
NT1 chromium 58
NT1 chromium 59
NT1 cobalt 63
NT1 cobalt 65
NT1 copper 58
NT1 copper 68
NT1 copper 70
NT1 copper 71
NT1 copper 72
NT1 copper 73
NT1 copper 74
NT1 copper 75
NT1 dysprosium 141
NT1 dysprosium 142
NT1 dysprosium 143
NT1 dysprosium 144
NT1 dysprosium 145
NT1 dysprosium 146
NT1 dysprosium 147
NT1 dysprosium 169
NT1 einsteinium 243
NT1 einsteinium 244
NT1 element 104 253
NT1 element 104 255
NT1 element 104 257
NT1 element 104 259
NT1 element 105 255
NT1 element 105 256
NT1 element 105 257
NT1 element 105 258
NT1 element 105 259
NT1 element 105 260
NT1 element 105 261
NT1 element 105 262
NT1 element 105 263
NT1 element 106 265
NT1 element 106 266
NT1 element 108 270
NT1 element 109 266
NT1 erbium 146
NT1 erbium 147
NT1 erbium 148
NT1 erbium 149
NT1 erbium 150
NT1 erbium 151
NT1 erbium 152
NT1 erbium 153
NT1 erbium 167
NT1 europium 135
NT1 europium 136
NT1 europium 138
NT1 europium 139
NT1 europium 140
NT1 europium 141
NT1 europium 142
NT1 europium 144
NT1 europium 160
NT1 europium 161
NT1 europium 162
NT1 fermium 245
NT1 fermium 246
NT1 fermium 247
NT1 fermium 248
NT1 fermium 250
NT1 fermium 259
NT1 fluorine 20
NT1 fluorine 21
NT1 fluorine 22
NT1 fluorine 23
NT1 francium 204
NT1 francium 205
NT1 francium 206
NT1 francium 207
NT1 francium 208
NT1 francium 209
NT1 francium 213
NT1 francium 220
NT1 francium 226
NT1 francium 228
NT1 francium 229
NT1 francium 230
NT1 francium 231
NT1 francium 232
NT1 gadolinium 135
NT1 gadolinium 140
NT1 gadolinium 141
NT1 gadolinium 143
NT1 gadolinium 164
NT1 gadolinium 165
NT1 gallium 63
NT1 gallium 74
NT1 gallium 76
NT1 gallium 77
NT1 gallium 78
NT1 gallium 79
NT1 gallium 80
NT1 gallium 81
NT1 germanium 65
NT1 germanium 75
NT1 germanium 77
NT1 germanium 79
NT1 germanium 80
NT1 germanium 81
NT1 germanium 82
NT1 germanium 83
NT1 germanium 84
NT1 gold 176
NT1 gold 177
NT1 gold 178
NT1 gold 179
NT1 gold 180
NT1 gold 181
NT1 gold 182
NT1 gold 183
NT1 gold 184
NT1 gold 193
NT1 gold 195
NT1 gold 196
NT1 gold 197
NT1 gold 202
NT1 gold 203
NT1 gold 204
NT1 gold 205
NT1 hafnium 154
NT1 hafnium 158
NT1 hafnium 159
NT1 hafnium 160
NT1 hafnium 161
NT1 hafnium 162
NT1 hafnium 163
NT1 hafnium 177
NT1 hafnium 178
NT1 hafnium 179
NT1 holmium 145
NT1 holmium 146
NT1 holmium 148
NT1 holmium 149
NT1 holmium 150
NT1 holmium 151
NT1 holmium 152
NT1 holmium 159
NT1 holmium 161
NT1 holmium 163
NT1 holmium 170
NT1 holmium 171
NT1 holmium 172
NT1 indium 101
NT1 indium 102
NT1 indium 104
NT1 indium 105
NT1 indium 107
NT1 indium 116
NT1 indium 118
NT1 indium 120
NT1 indium 121
NT1 indium 122
NT1 indium 123
NT1 indium 124
NT1 indium 125
NT1 indium 126
NT1 indium 127
NT1 indium 129
NT1 iodine 111
NT1 iodine 112
NT1 iodine 113
NT1 iodine 114
NT1 iodine 116
NT1 iodine 133
NT1 iodine 136
NT1 iodine 137
NT1 iodine 138
NT1 iodine 139
NT1 iridium 170
NT1 iridium 171
NT1 iridium 172

NT1 iridium 173
NT1 iridium 174
NT1 iridium 175
NT1 iridium 176
NT1 iridium 177
NT1 iridium 178
NT1 iridium 191
NT1 iridium 196
NT1 iridium 198
NT1 iron 52
NT1 iron 63
NT1 iron 64
NT1 krypton 72
NT1 krypton 73
NT1 krypton 79
NT1 krypton 81
NT1 krypton 90
NT1 krypton 91
NT1 krypton 92
NT1 krypton 93
NT1 lanthanum 120
NT1 lanthanum 121
NT1 lanthanum 122
NT1 lanthanum 123
NT1 lanthanum 124
NT1 lanthanum 144
NT1 lanthanum 145
NT1 lanthanum 146
NT1 lanthanum 147
NT1 lanthanum 148
NT1 lanthanum 149
NT1 lawrencium 252
NT1 lawrencium 253
NT1 lawrencium 254
NT1 lawrencium 255
NT1 lawrencium 256
NT1 lawrencium 258
NT1 lawrencium 259
NT1 lead 185
NT1 lead 186
NT1 lead 187
NT1 lead 188
NT1 lead 189
NT1 lead 203
NT1 lutetium 154
NT1 lutetium 157
NT1 lutetium 158
NT1 lutetium 159
NT1 lutetium 160
NT1 lutetium 183
NT1 lutetium 184
NT1 magnesium 22
NT1 magnesium 23
NT1 magnesium 29
NT1 manganese 58
NT1 manganese 59
NT1 manganese 60
NT1 mendelevium 247
NT1 mendelevium 248
NT1 mendelevium 249
NT1 mendelevium 250
NT1 mercury 179
NT1 mercury 180
NT1 mercury 181
NT1 mercury 182
NT1 mercury 183
NT1 mercury 184
NT1 mercury 185
NT1 molybdenum 105
NT1 molybdenum 106
NT1 molybdenum 107
NT1 molybdenum 108
NT1 molybdenum 86
NT1 molybdenum 87
NT1 neodymium 127
NT1 neodymium 129
NT1 neodymium 130
NT1 neodymium 131
NT1 neodymium 137
NT1 neodymium 153
NT1 neodymium 154
NT1 neodymium 155
NT1 neodymium 156
NT1 neon 18
NT1 neon 19
NT1 neon 23
NT1 nickel 67
NT1 nickel 69
NT1 nickel 71
NT1 nickel 72
NT1 nickel 74
NT1 niobium 100
NT1 niobium 101
NT1 niobium 102
NT1 niobium 103
NT1 niobium 104
NT1 niobium 105
NT1 niobium 106
NT1 niobium 83
NT1 niobium 84
NT1 niobium 85
NT1 niobium 90
NT1 niobium 97
NT1 niobium 98
NT1 niobium 99
NT1 nitrogen 16
NT1 nitrogen 17
NT1 nobelium 252
NT1 nobelium 254
NT1 nobelium 256
NT1 nobelium 257
NT1 osmium 168
NT1 osmium 169
NT1 osmium 170
NT1 osmium 171
NT1 osmium 172
NT1 osmium 173
NT1 osmium 174
NT1 osmium 192
NT1 oxygen 19
NT1 oxygen 20
NT1 oxygen 21
NT1 oxygen 22
NT1 palladium 107
NT1 palladium 115
NT1 palladium 116
NT1 palladium 117
NT1 palladium 118
NT1 palladium 93
NT1 palladium 94
NT1 palladium 95
NT1 phosphorus 29
NT1 phosphorus 34
NT1 phosphorus 35
NT1 phosphorus 36
NT1 phosphorus 37
NT1 platinum 175
NT1 platinum 176
NT1 platinum 177
NT1 platinum 178
NT1 platinum 179
NT1 platinum 180
NT1 platinum 181
NT1 platinum 183
NT1 platinum 199
NT1 plutonium 229
NT1 polonium 195
NT1 polonium 196
NT1 polonium 197
NT1 polonium 203
NT1 polonium 207
NT1 polonium 211
NT1 polonium 212
NT1 polonium 217
NT1 potassium 37
NT1 potassium 38
NT1 potassium 47
NT1 potassium 48
NT1 potassium 49
NT1 praseodymium 124
NT1 praseodymium 126
NT1 praseodymium 127
NT1 praseodymium 128
NT1 praseodymium 129
NT1 praseodymium 130
NT1 praseodymium 150
NT1 praseodymium 151
NT1 praseodymium 152
NT1 praseodymium 153
NT1 praseodymium 154
NT1 promethium 130
NT1 promethium 131
NT1 promethium 132
NT1 promethium 133
NT1 promethium 134
NT1 promethium 135
NT1 promethium 140
NT1 promethium 142
NT1 promethium 155
NT1 promethium 156
NT1 promethium 157
NT1 promethium 158
NT1 protactinium 225
NT1 radium 207
NT1 radium 208
NT1 radium 209
NT1 radium 210
NT1 radium 211
NT1 radium 212
NT1 radium 214
NT1 radium 221
NT1 radium 222
NT1 radium 233
NT1 radium 234
NT1 radon 200
NT1 radon 201
NT1 radon 202
NT1 radon 203
NT1 radon 219
NT1 radon 220
NT1 radon 227
NT1 radon 228
NT1 rhenium 165
NT1 rhenium 166
NT1 rhenium 167
NT1 rhenium 168
NT1 rhenium 169
NT1 rhenium 170
NT1 rhenium 171
NT1 rhenium 172
NT1 rhenium 192
NT1 rhodium 104
NT1 rhodium 105
NT1 rhodium 106
NT1 rhodium 108
NT1 rhodium 110
NT1 rhodium 111
NT1 rhodium 112
NT1 rhodium 113
NT1 rhodium 114
NT1 rhodium 117
NT1 rhodium 92
NT1 rhodium 94
NT1 rubidium 75
NT1 rubidium 76
NT1 rubidium 80
NT1 rubidium 91
NT1 rubidium 92
NT1 rubidium 93
NT1 rubidium 94
NT1 ruthenium 109
NT1 ruthenium 110
NT1 ruthenium 111
NT1 ruthenium 112
NT1 ruthenium 113
NT1 ruthenium 89
NT1 ruthenium 93

NT1 samarium 131
NT1 samarium 133
NT1 samarium 134
NT1 samarium 135
NT1 samarium 136
NT1 samarium 137
NT1 samarium 139
NT1 samarium 159
NT1 samarium 160
NT1 scandium 42
NT1 scandium 46
NT1 scandium 51
NT1 scandium 52
NT1 selenium 69
NT1 selenium 77
NT1 selenium 85
NT1 selenium 86
NT1 selenium 87
NT1 selenium 88
NT1 silicon 26
NT1 silicon 27
NT1 silicon 33
NT1 silicon 34
NT1 silver 101
NT1 silver 103
NT1 silver 107
NT1 silver 109
NT1 silver 110
NT1 silver 114
NT1 silver 115
NT1 silver 116
NT1 silver 117
NT1 silver 118
NT1 silver 119
NT1 silver 120
NT1 silver 122
NT1 silver 96
NT1 silver 97
NT1 silver 98
NT1 silver 99
NT1 sodium 20
NT1 sodium 21
NT1 sodium 25
NT1 sodium 26
NT1 strontium 76
NT1 strontium 77
NT1 strontium 83
NT1 strontium 95
NT1 strontium 96
NT1 sulfur 30
NT1 sulfur 31
NT1 sulfur 39
NT1 sulfur 40
NT1 tantalum 160
NT1 tantalum 161
NT1 tantalum 162
NT1 tantalum 163
NT1 tantalum 164
NT1 tantalum 165
NT1 tantalum 166
NT1 technetium 100
NT1 technetium 102
NT1 technetium 103
NT1 technetium 106
NT1 technetium 107
NT1 technetium 108
NT1 technetium 109
NT1 technetium 88
NT1 technetium 90
NT1 tellurium 108
NT1 tellurium 109
NT1 tellurium 110
NT1 tellurium 111
NT1 tellurium 135
NT1 tellurium 136
NT1 tellurium 137
NT1 tellurium 138
NT1 terbium 139
NT1 terbium 140
NT1 terbium 141
NT1 terbium 143
NT1 terbium 144
NT1 terbium 145
NT1 terbium 146
NT1 terbium 151
NT1 terbium 158
NT1 terbium 166
NT1 thallium 182
NT1 thallium 184
NT1 thallium 185
NT1 thallium 186
NT1 thallium 187
NT1 thallium 195
NT1 thallium 197
NT1 thallium 207
NT1 thorium 215
NT1 thorium 223
NT1 thorium 224
NT1 thulium 151
NT1 thulium 152
NT1 thulium 153
NT1 thulium 154
NT1 thulium 155
NT1 thulium 156
NT1 thulium 162
NT1 tin 102
NT1 tin 103
NT1 tin 105
NT1 tin 128
NT1 tin 131
NT1 tin 132
NT1 tin 133
NT1 tin 134
NT1 titanium 53
NT1 tungsten 160
NT1 tungsten 162
NT1 tungsten 163
NT1 tungsten 164
NT1 tungsten 165
NT1 tungsten 166
NT1 tungsten 167
NT1 tungsten 168
NT1 tungsten 169
NT1 tungsten 183
NT1 vanadium 43
NT1 vanadium 54
NT1 vanadium 55
NT1 xenon 112
NT1 xenon 113
NT1 xenon 114
NT1 xenon 115
NT1 xenon 116
NT1 xenon 125
NT1 xenon 139
NT1 xenon 140
NT1 xenon 141
NT1 xenon 142
NT1 xenon 144
NT1 ytterbium 153
NT1 ytterbium 155
NT1 ytterbium 156
NT1 ytterbium 157
NT1 ytterbium 169
NT1 ytterbium 176
NT1 ytterbium 177
NT1 yttrium 79
NT1 yttrium 80
NT1 yttrium 82
NT1 yttrium 84
NT1 yttrium 89
NT1 yttrium 96
NT1 yttrium 97
NT1 yttrium 98
NT1 yttrium 99
NT1 zinc 73
NT1 zinc 75
NT1 zinc 76
NT1 zinc 77
NT1 zinc 78
NT1 zinc 79
NT1 zirconium 100
NT1 zirconium 101
NT1 zirconium 102
NT1 zirconium 103
NT1 zirconium 83
NT1 zirconium 85
NT1 zirconium 87
NT1 zirconium 98
NT1 zirconium 99
RT half-life
RT lifetime

SECRECY PROTECTION

INIS: Mar 1977; ETDE: Jun 1977
(Measures, regulations or orders established to protect the secrecy of certain places, installations or offices.)
SF *cryptography*
SF *invention secrecy act*
RT atomic energy laws
RT classified information
RT identification systems
RT physical protection
RT physical protection devices
RT sabotage
RT security
RT security violations

SECRETIN

*BT1 peptide hormones
RT secretion
RT small intestine

SECRETION

NT1 pheromone
RT body fluids
RT excretion
RT gastric acid
RT gastrin
RT glands
RT secretin

sector cyclotron

Use isochronous cyclotrons

SECTORAL ANALYSIS

INIS: Oct 1992; ETDE: May 1984
(Economic or energy analysis by sectors of economy, energy consumption, energy production, or other sectors.)
RT business
RT commercial sector
RT households
RT residential sector
RT service sector
RT transportation sector

SECULAR EQUATION

BT1 equations
RT eigenvalues
RT matrices

SECURITY

(Prior to May 1996 SURVEILLANCE was a valid ETDE descriptor. From July 1984 till April 1997 CRYPTOGRAPHY was a valid descriptor. From May 1987 till March 1997 TERRORISM was a valid descriptor.)
UF *security control*
SF *cryptography*
SF *document destruction*
SF *surveillance*
SF *terrorism*
NT1 national security
RT classified information
RT entry control systems
RT human intrusion
RT identification systems

RT interception
RT intrusion detection systems
RT motion detection systems
RT physical protection
RT physical protection devices
RT sabotage
RT safety
RT secrecy protection
RT security personnel
RT security violations
RT theft

security (financial)
Use financial security

security control
Use security

SECURITY PERSONNEL
INIS: Jun 1983; ETDE: Jan 1981
UF *guards*
BT1 personnel
RT nuclear materials diversion
RT physical protection
RT sabotage
RT safeguards
RT security

SECURITY SEALS
INIS: Sep 1976; ETDE: Nov 1976
BT1 physical protection devices
BT1 seals
RT safeguards

SECURITY VIOLATIONS
INIS: Apr 2000; ETDE: Mar 1983
BT1 violations
RT national security
RT personnel
RT secrecy protection
RT security

SEDAN EVENT
*BT1 cratering explosions
BT1 plowshare project

sedatives
Use hypnotics and sedatives

sediment basins
Use settling ponds

SEDIMENT-WATER INTERFACES
INIS: Apr 1985; ETDE: Jul 1980
(Boundary between sediment surface and overlying water.)
BT1 interfaces
RT limnology
RT sea bed
RT sediments

SEDIMENTARY BASINS
INIS: Jun 1992; ETDE: Mar 1980
(Geologically depressed sediment-filled areas.)
UF *basins (sedimentary)*
BT1 geologic structures
NT1 appalachian basin
NT2 chattanooga formation
NT1 williston basin
RT limnology
RT powder river basin
RT sedimentary rocks

sedimentary intrusive rocks
Use plutonic rocks

SEDIMENTARY ROCKS
BT1 rocks
NT1 carbonate rocks
NT2 limestone
NT3 travertine
NT1 chert
NT1 conglomerates
NT2 calcretes
NT1 evaporites
NT1 phosphate rocks
NT2 phosphorites
NT1 sandstones
NT2 graywacke
NT1 shales
NT2 argillite
NT2 oil shales
NT3 black shales
NT1 siltstones
NT1 sinters
RT fossils
RT sedimentary basins

SEDIMENTATION
UF *deposition (gravitational)*
RT aerosols
RT centrifugation
RT decantation
RT dusts
RT fallout
RT fallout deposits
RT particles
RT precipitation
RT sediments
RT settling ponds

SEDIMENTOMETERS
INIS: Apr 2000; ETDE: Jan 1975
BT1 measuring instruments
RT densimeters
RT radiometric gages

SEDIMENTS
RT alluvial deposits
RT catagenesis
RT detritus
RT diagenesis
RT dredge spoil
RT environmental materials
RT geologic deposits
RT pore pressure
RT river deltas
RT sea bed
RT sediment-water interfaces
RT sedimentation
RT silt
RT sludges

SEEBECK EFFECT
RT thermoelectricity

SEED RECOVERY
INIS: Apr 2000; ETDE: Jun 1975
SF *recovery*
RT mhd generators
RT plasma seeding
RT seed-slag interactions
RT spent seed

SEED-SLAG INTERACTIONS
INIS: Jul 1985; ETDE: Apr 1979
RT chemical reactions
RT coal-fired mhd generators
RT mhd generators
RT plasma seeding
RT seed recovery
RT slags

seeding (plasma)
Use plasma seeding

seedis
See information systems

SEEDLINGS
RT coleoptile
RT germination
RT plants

SEEDS
UF *fruit (seeds)*
UF+ *grains (cereal)*
NT1 coffee beans
NT1 mungbeans
NT1 peanuts
NT1 peas
NT1 soybeans
RT beans
RT buffalo gourd
RT endosperm
RT food
RT germination
RT plants
RT vernalization

SEEPS
INIS: Apr 2000; ETDE: Apr 1977
(Locations where liquid petroleum or natural gas emerges at the surface as a result of the slow migration from its buried source through minute pores or fissure networks.)
RT geochemical surveys
RT natural gas deposits
RT petroleum deposits

SEFOR REACTOR
UF *southwest experimental fast oxide reactor*
*BT1 experimental reactors
*BT1 fast reactors
*BT1 plutonium reactors
*BT1 power reactors
*BT1 sodium cooled reactors

segas process
Use steam reformer processes

SEGREGATION
RT guinier-preston zones
RT impurities
RT solidification

SEIBERSDORF IAEA LABORATORY
INIS: Apr 1988; ETDE: May 1988
UF *iaea seibersdorf laboratory*
*BT1 iaea

SEIBERSDORF RESEARCH CENTRE
INIS: Jun 1988; ETDE: Jul 1988
UF *austrian research center seibersdorf*
UF *oefzs*
*BT1 austrian organizations
RT astra reactor

SEIDB
INIS: Apr 2000; ETDE: Jul 1981
UF *solar energy information data bank*
BT1 information systems

SEISMIC ARRAYS
INIS: Sep 1992; ETDE: Dec 1978
BT1 measuring instruments
RT seismic detection
RT seismic detectors
RT seismic sources
RT seismic surveys
RT seismographs

SEISMIC DETECTION
UF *detection (seismic)*
BT1 detection
NT1 in-country detection
RT nuclear explosion detection
RT rayleigh waves

RT seismic arrays
RT seismic detectors
RT seismic noise
RT seismic p waves
RT seismic s waves
RT seismic waves
RT seismographs
RT underground explosions
RT vela project

SEISMIC DETECTORS

INIS: Sep 1992; ETDE: Sep 1976
UF *geophones*
BT1 measuring instruments
RT ground motion
RT seismic arrays
RT seismic detection
RT seismic surveys
RT seismic waves
RT seismographs

SEISMIC EFFECTS

RT blast effects
RT earthquakes
RT ground motion
RT landslides
RT nuclear explosions
RT seismic events
RT seismic isolation
RT seismic noise
RT seismic waves
RT shock absorbers
RT shock waves
RT soil-structure interactions
RT underground explosions

SEISMIC EVENTS

INIS: Jun 1992; ETDE: Dec 1976
NT1 earthquakes
NT2 microearthquakes
RT explosions
RT ground motion
RT nuclear explosions
RT rock bursts
RT seismic effects
RT seismic waves
RT tsunamis

SEISMIC ISOLATION

INIS: Sep 1990; ETDE: Oct 1990
RT earthquakes
RT safety engineering
RT seismic effects
RT shock absorbers
RT soil-structure interactions

SEISMIC NOISE

INIS: Oct 1976; ETDE: Jan 1975
(A more or less continuous motion in the earth unrelated to an earthquake with a period of 1 to 9 seconds.)
UF *microseism*
BT1 noise
RT seismic detection
RT seismic effects
RT seismic waves

SEISMIC P WAVES

UF *body waves p (seismic)*
UF *p waves (seismic)*
BT1 seismic waves
RT earthquakes
RT seismic detection
RT underground explosions

SEISMIC S WAVES

INIS: May 1980; ETDE: Nov 1976
UF *body waves s (seismic)*
UF *s waves (seismic)*
UF *shear waves (seismic)*
BT1 seismic waves
RT earthquakes
RT seismic detection
RT underground explosions

SEISMIC SOURCES

INIS: Mar 1980; ETDE: Sep 1976
(Devices for generating seismic pulses.)
RT seismic arrays
RT seismic surveys
RT seismic waves
RT sonic logging
RT sound waves

SEISMIC SURFACE WAVES

INIS: Mar 1983; ETDE: Jul 1978
(Seismic waves that travel along the surface of the earth or parallel to the earth's surface. From July 1978 till March 1997 LOVE WAVES was a valid ETDE descriptor.)
UF *l waves*
UF *love waves*
UF *surface waves (seismic)*
BT1 seismic waves
RT earthquakes
RT rayleigh waves

SEISMIC SURVEYS

INIS: Nov 1975; ETDE: Jan 1975
(Methods of geophysical prospecting using the generation, reflection, refraction, detection, and analysis of elastic waves in the earth.)
*BT1 geophysical surveys
RT acoustic measurements
RT geologic structures
RT geothermal exploration
RT magnetic surveys
RT seismic arrays
RT seismic detectors
RT seismic sources

SEISMIC WAVES

(Disturbances or earth tremors produced by mechanical disturbances on the surface or underground.)
NT1 seismic p waves
NT1 seismic s waves
NT1 seismic surface waves
RT earthquakes
RT ground motion
RT rayleigh waves
RT seismic detection
RT seismic detectors
RT seismic effects
RT seismic events
RT seismic noise
RT seismic sources
RT seismographs
RT seismology
RT tsunamis
RT underground explosions

SEISMICITY

INIS: Feb 1981; ETDE: Jul 1978
(Measure of frequency of earthquakes. Until June 1994 this concept was indexed to EARTHQUAKES)
RT earthquakes
RT risk assessment
RT subduction zones

SEISMOGRAPHS

BT1 measuring instruments
RT acoustic measurements
RT earthquakes
RT ground motion
RT seismic arrays
RT seismic detection
RT seismic detectors
RT seismic waves
RT underground explosions

SEISMOLOGY

(The study of earthquakes, by extension, the study of the structure of the interior of the earth via both natural and artificially generated seismic signals. From September 1979 till February 1997 DISPLACEMENT RATES was a valid ETDE descriptor.)
SF *displacement rates*
RT earthquakes
RT geologic faults
RT geologic structures
RT ground motion
RT seismic waves
RT shock waves
RT underground explosions
RT vela project

SELECTION RULES

NT1 superselection rules
RT decay
RT energy-level transitions
RT forbidden transitions
RT interactions
RT quantum mechanics
RT spurions

SELECTIVE CATALYTIC REDUCTION

INIS: Jul 1992; ETDE: Feb 1990
*BT1 denitrification
*BT1 reduction
RT air pollution control
RT catalysis
RT flue gas
RT nitrogen oxides

SELENATES

(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 oxygen compounds
BT1 selenium compounds
RT selenium oxides

selengut approximation

Use neutron slowing-down theory

selengut-goertzel equation

Use neutron slowing-down theory

SELENIDES

UF+ *americium selenides*
UF+ *berkelium selenides*
UF+ *californium selenides*
UF+ *curium selenides*
UF+ *lutetium selenides*
UF+ *scandium selenides*
BT1 chalcogenides
BT1 selenium compounds
NT1 aluminium selenides
NT1 antimony selenides
NT1 arsenic selenides
NT1 beryllium selenides
NT1 bismuth selenides
NT1 cadmium selenides
NT1 cerium selenides
NT1 cesium selenides
NT1 chromium selenides
NT1 cobalt selenides
NT1 copper selenides
NT1 dysprosium selenides
NT1 erbium selenides
NT1 europium selenides
NT1 gadolinium selenides
NT1 gallium selenides
NT1 germanium selenides
NT1 hafnium selenides

NT1 holmium selenides
NT1 indium selenides
NT1 iron selenides
NT1 lanthanum selenides
NT1 lead selenides
NT1 lithium selenides
NT1 manganese selenides
NT1 mercury selenides
NT1 molybdenum selenides
NT1 neptunium selenides
NT1 nickel selenides
NT1 niobium selenides
NT1 palladium selenides
NT1 plutonium selenides
NT1 potassium selenides
NT1 praseodymium selenides
NT1 rhenium selenides
NT1 rhodium selenides
NT1 rubidium selenides
NT1 ruthenium selenides
NT1 samarium selenides
NT1 silver selenides
NT1 sodium selenides
NT1 tantalum selenides
NT1 technetium selenides
NT1 terbium selenides
NT1 thallium selenides
NT1 thorium selenides
NT1 thulium selenides
NT1 tin selenides
NT1 titanium selenides
NT1 tungsten selenides
NT1 uranium selenides
NT1 vanadium selenides
NT1 ytterbium selenides
NT1 yttrium selenides
NT1 zinc selenides
NT1 zirconium selenides
RT intermetallic compounds
RT oxyselenides
RT selenium alloys

SELENITES

(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 oxygen compounds
BT1 selenium compounds

SELENIUM

*BT1 semimetals

SELENIUM 65

INIS: Jun 1993; ETDE: Jun 1993
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 selenium isotopes

SELENIUM 66

Jan 2003
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 proton decay radioisotopes
*BT1 selenium isotopes

SELENIUM 67

INIS: Jun 1996; ETDE: May 1996
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 selenium isotopes

SELENIUM 68

*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 selenium isotopes

SELENIUM 69

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 selenium isotopes

SELENIUM 70

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 selenium isotopes

SELENIUM 71

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 selenium isotopes

SELENIUM 72

*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 selenium isotopes

SELENIUM 72 TARGET

INIS: Feb 1976; ETDE: Jul 1976
BT1 targets

SELENIUM 73

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 selenium isotopes

SELENIUM 74

*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 selenium isotopes
*BT1 stable isotopes

SELENIUM 74 TARGET

BT1 targets

SELENIUM 75

*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 selenium isotopes

SELENIUM 75 TARGET

INIS: Jun 1984; ETDE: Oct 1982
BT1 targets

SELENIUM 76

*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 selenium isotopes
*BT1 stable isotopes

SELENIUM 76 REACTIONS

INIS: Jun 1988; ETDE: Jul 1988
*BT1 heavy ion reactions

SELENIUM 76 TARGET

BT1 targets

SELENIUM 77

*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 seconds living radioisotopes
*BT1 selenium isotopes
*BT1 stable isotopes

SELENIUM 77 TARGET

BT1 targets

SELENIUM 78

*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 selenium isotopes
*BT1 stable isotopes

SELENIUM 78 TARGET

BT1 targets

SELENIUM 79

*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 selenium isotopes
*BT1 years living radioisotopes

SELENIUM 80

*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 selenium isotopes
*BT1 stable isotopes

SELENIUM 80 REACTIONS

INIS: Jan 1986; ETDE: Feb 1986
*BT1 heavy ion reactions

SELENIUM 80 TARGET

BT1 targets

SELENIUM 81

*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 selenium isotopes

SELENIUM 82

*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 selenium isotopes
*BT1 stable isotopes

SELENIUM 82 REACTIONS

INIS: Dec 1980; ETDE: Jan 1981
*BT1 heavy ion reactions

SELENIUM 82 TARGET

BT1 targets

SELENIUM 83

*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 selenium isotopes

SELENIUM 84

*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 selenium isotopes

SELENIUM 85

*BT1 beta-minus decay radioisotopes

*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 selenium isotopes

SELENIUM 86
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 selenium isotopes

SELENIUM 87
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 selenium isotopes

SELENIUM 88
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 selenium isotopes

SELENIUM 89
INIS: Jul 1976; ETDE: Feb 1975
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 selenium isotopes

SELENIUM 91
INIS: Mar 1976; ETDE: Mar 1976
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 selenium isotopes

SELENIUM ADDITIONS
*BT1 selenium alloys

SELENIUM ALLOYS
(Alloys containing more than 1% Se.)
BT1 alloys
NT1 selenium additions
RT selenides

SELENIUM BROMIDES
*BT1 bromides
BT1 selenium compounds

selenium carbides
Use carbides
AND selenium compounds

SELENIUM CHLORIDES
*BT1 chlorides
BT1 selenium compounds

SELENIUM COMPLEXES
BT1 complexes

SELENIUM COMPOUNDS
UF+ *selenium carbides*
NT1 oxyselenides
NT1 selenates
NT1 selenides
NT2 aluminium selenides
NT2 antimony selenides
NT2 arsenic selenides
NT2 beryllium selenides
NT2 bismuth selenides
NT2 cadmium selenides
NT2 cerium selenides
NT2 cesium selenides
NT2 chromium selenides
NT2 cobalt selenides
NT2 copper selenides
NT2 dysprosium selenides
NT2 erbium selenides
NT2 europium selenides
NT2 gadolinium selenides
NT2 gallium selenides
NT2 germanium selenides
NT2 hafnium selenides
NT2 holmium selenides
NT2 indium selenides
NT2 iron selenides
NT2 lanthanum selenides
NT2 lead selenides
NT2 lithium selenides
NT2 manganese selenides
NT2 mercury selenides
NT2 molybdenum selenides
NT2 neptunium selenides
NT2 nickel selenides
NT2 niobium selenides
NT2 palladium selenides
NT2 plutonium selenides
NT2 potassium selenides
NT2 praseodymium selenides
NT2 rhenium selenides
NT2 rhodium selenides
NT2 rubidium selenides
NT2 ruthenium selenides
NT2 samarium selenides
NT2 silver selenides
NT2 sodium selenides
NT2 tantalum selenides
NT2 technetium selenides
NT2 terbium selenides
NT2 thallium selenides
NT2 thorium selenides
NT2 thulium selenides
NT2 tin selenides
NT2 titanium selenides
NT2 tungsten selenides
NT2 uranium selenides
NT2 vanadium selenides
NT2 ytterbium selenides
NT2 yttrium selenides
NT2 zinc selenides
NT2 zirconium selenides
NT1 selenites
NT1 selenium bromides
NT1 selenium chlorides
NT1 selenium fluorides
NT1 selenium hydrides
NT1 selenium iodides
NT1 selenium oxides
NT1 selenium sulfides
NT1 selenium tellurides
NT1 tmtsf

SELENIUM FLUORIDES
*BT1 fluorides
BT1 selenium compounds

SELENIUM HYDRIDES
UF *hydrogen selenides*
*BT1 hydrides
BT1 selenium compounds

SELENIUM IODIDES
*BT1 iodides
BT1 selenium compounds

SELENIUM IONS
*BT1 ions

SELENIUM ISOTOPES
BT1 isotopes
NT1 selenium 65
NT1 selenium 66
NT1 selenium 67
NT1 selenium 68
NT1 selenium 69
NT1 selenium 70
NT1 selenium 71
NT1 selenium 72
NT1 selenium 73
NT1 selenium 74
NT1 selenium 75
NT1 selenium 76
NT1 selenium 77
NT1 selenium 78
NT1 selenium 79
NT1 selenium 80
NT1 selenium 81
NT1 selenium 82
NT1 selenium 83
NT1 selenium 84
NT1 selenium 85
NT1 selenium 86
NT1 selenium 87
NT1 selenium 88
NT1 selenium 89
NT1 selenium 91

selenium ores
Use ores

SELENIUM OXIDES
*BT1 oxides
BT1 selenium compounds
RT guilleminite
RT oxide minerals
RT selenates

SELENIUM SOLAR CELLS
INIS: Apr 2000; ETDE: Nov 1975
*BT1 solar cells

SELENIUM SULFIDES
BT1 selenium compounds
*BT1 sulfides

SELENIUM TELLURIDES
INIS: Sep 1991; ETDE: May 1982
BT1 selenium compounds
*BT1 tellurides

SELEXOL PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process for gas purification and removal of hydrogen sulfide, carbon dioxide, cos, mercaptans, etc., from gas streams by physical absorption using dimethyl ether of polyethylene glycol, trade named selexol.)
*BT1 desulfurization

SELF-ABSORPTION
*BT1 absorption

SELF-CONSISTENT FIELD
RT atomic models
RT hartree-fock method
RT hartree-fock-bogolyubov theory
RT lcao method
RT mean-field theory

SELF-DIFFUSION
BT1 diffusion

SELF-ENERGY
BT1 energy
RT quantum electrodynamics

SELF-IRRADIATION
BT1 irradiation
RT autoradiolysis
RT radiation effects

self-potential logging
Use sp logging

SELF-POTENTIAL SURVEYS
INIS: Apr 2000; ETDE: Aug 1976
(Electrical surveys based on the detection of electric potentials developed in the earth.)
*BT1 electrical surveys

SELF-POWERED DETECTORS
*BT1 radiation detectors
NT1 self-powered gamma detectors
NT1 self-powered neutron detectors
RT compton diode detectors

SELF-POWERED GAMMA DETECTORS
*BT1 self-powered detectors

SELF-POWERED NEUTRON DETECTORS
UF *collectrons*
*BT1 neutron detectors
*BT1 self-powered detectors

SELF-PUMPING SYSTEMS
INIS: Apr 2000; ETDE: Nov 1979
BT1 circulating systems
RT pumping
RT pumps
RT thermosyphon effect

self-serve stations
Use gasoline service stations

SELF-SHIELDING
RT absorption
RT shielding

SELF-WELDING
INIS: Mar 1981; ETDE: Aug 1979
(The bonding of surfaces of similar materials after exposure to high-temperature and load conditions.)
RT welding

SELLAFIELD REPROCESSING PLANT
INIS: Jun 1984; ETDE: Jul 1984
UF *windscale reprocessing plant*
*BT1 fuel reprocessing plants

SELLBACK
INIS: Jan 1993; ETDE: Mar 1980
(Sellback of excess energy to a public utility by a consumer.)
UF *buyback*
RT economics
RT interconnected power systems
RT legal aspects
RT public utilities
RT surplus power

sellers
Use marketers

SELNI REACTOR
UF *trino vercellese reactor*
*BT1 pwr type reactors

selox process
Use coal gasification

sem (microscopy)
Use scanning electron microscopy

SEMI-EXCLUSIVE INTERACTIONS
INIS: Nov 1987; ETDE: Dec 1987
*BT1 exclusive interactions
RT semi-inclusive interactions

semi-homogeneous critical assembly
Use shca reactor

SEMI-INCLUSIVE INTERACTIONS
INIS: Oct 1981; ETDE: May 1979
*BT1 inclusive interactions
RT semi-exclusive interactions

SEMIBATCH CULTURE
INIS: Apr 2000; ETDE: Jun 1978
RT aerobic digestion
RT anaerobic digestion
RT batch culture
RT continuous culture
RT culture media
RT fermentation
RT single cell protein

SEMICARBAZIDES
*BT1 carbonic acid derivatives
*BT1 organic nitrogen compounds
*BT1 organic oxygen compounds

SEMICARBAZONES
*BT1 carbonic acid derivatives
*BT1 organic nitrogen compounds
RT aldehydes
RT ketones

semicircular spectrometers
Use flat magnetic spectrometers

SEMICLASSICAL APPROXIMATION
UF *approximation (semiclassical)*
UF *sca model*
RT quantum mechanics
RT scattering

SEMICOKE
INIS: Apr 2000; ETDE: Feb 1976
(The solid residue obtained by carbonization, esp. of coal at a relatively low temperature (as below 700 degrees C) that is in general softer and more friable than coke from carbonization at higher temperatures, that gives a hot smokeless fire, and that can be used as a domestic fuel.)
RT coke
RT coking
RT fuels
RT semicoking

SEMICOKING
INIS: Apr 2000; ETDE: Feb 1976
RT coke
RT coking
RT fuels
RT semicoke

semiconductor counters
Use semiconductor detectors

SEMICONDUCTOR DETECTORS
UF *semiconductor counters*
*BT1 radiation detectors
NT1 bulk semiconductor detectors
NT1 cdte semiconductor detectors
NT1 ge semiconductor detectors
NT2 high-purity ge detectors
NT2 li-drifted ge detectors
NT1 hgi2 semiconductor detectors
NT1 insb semiconductor detectors
NT1 junction detectors
NT2 li-drifted junction detectors
NT1 li-drifted detectors
NT2 li-drifted ge detectors
NT2 li-drifted junction detectors
NT2 li-drifted si detectors
NT1 si semiconductor detectors
NT2 li-drifted si detectors
NT1 surface barrier detectors
RT dosemeters
RT radiator counters
RT semiconductor devices

SEMICONDUCTOR DEVICES
NT1 charge-coupled devices
NT1 semiconductor diodes
NT2 germanium diodes
NT2 junction diodes
NT2 light emitting diodes
NT2 photodiodes
NT2 schottky barrier diodes
NT2 silicon diodes
NT2 switching diodes
NT2 tunnel diodes
NT2 variable capacitance diodes
NT1 semiconductor lasers
NT1 semiconductor rectifiers
NT1 semiconductor resistors
NT1 semiconductor storage devices
NT1 semiconductor switches
NT1 thermistors
NT1 thyristors
NT1 transistors
NT2 field effect transistors
NT3 mosfet
NT2 junction transistors
NT2 mis transistors
NT2 mos transistors
NT3 mosfet
NT2 phototransistors
NT2 surface barrier transistors
RT depletion layer
RT display devices
RT electrical equipment
RT electronic equipment
RT miniaturization
RT oscillators
RT photoelectric cells
RT semiconductor detectors

SEMICONDUCTOR DIODES
UF *diodes (semiconductor)*
BT1 semiconductor devices
NT1 germanium diodes
NT1 junction diodes
NT1 light emitting diodes
NT1 photodiodes
NT1 schottky barrier diodes
NT1 silicon diodes
NT1 switching diodes
NT1 tunnel diodes
NT1 variable capacitance diodes
RT betavoltaic cells
RT photovoltaic cells
RT semiconductor junctions
RT semiconductor rectifiers
RT thermionic diodes

SEMICONDUCTOR JUNCTIONS
SF *junctions*
NT1 heterojunctions
NT1 homojunctions
NT1 mim junctions
NT1 p-n junctions
RT junction detectors
RT junction transistors
RT semiconductor diodes
RT semiconductor materials

SEMICONDUCTOR LASERS
BT1 semiconductor devices
*BT1 solid state lasers

SEMICONDUCTOR MATERIALS
(If known, coordinate with descriptors for the specific materials.)
UF *materials (semiconductor)*
BT1 materials
NT1 magnetic semiconductors

NT1 n-type conductors
NT1 organic semiconductors
NT1 p-type conductors
RT depletion layer
RT doped materials
RT electric conductors
RT electron mobility
RT fano factor
RT graded band gaps
RT nanostructures
RT p-n junctions
RT photoconductors
RT semiconductor junctions
RT semimetals
RT thermoelectric materials
RT traps

SEMICONDUCTOR RECTIFIERS
*BT1 rectifiers
BT1 semiconductor devices
RT semiconductor diodes

SEMICONDUCTOR RESISTORS
UF *varistors*
*BT1 resistors
BT1 semiconductor devices

SEMICONDUCTOR STORAGE DEVICES
BT1 memory devices
BT1 semiconductor devices

SEMICONDUCTOR SWITCHES
BT1 semiconductor devices
*BT1 switches

semidiurnal variation
Use daily variations

semihomogeneous critical assembly
Use shca reactor

SEMILEPTONIC DECAY
INIS: Feb 1978; ETDE: May 1978
(Weak decay with at least one neutrino and hadron among the decay products.)
*BT1 weak particle decay
RT beta decay
RT leptonic decay
RT leptons
RT neutrinos
RT weak hadronic decay

SEMIMETALS
UF *metalloids*
BT1 elements
NT1 arsenic
NT1 boron
NT1 selenium
NT1 silicon
NT1 tellurium
RT alloys
RT intermetallic compounds
RT metals
RT nonmetals
RT semiconductor materials

seminal vesicles
Use male genitals

SEMIPALATINSK TEST SITE
INIS: Nov 1997; ETDE: Jun 1998
BT1 nuclear test sites
RT kazakhstan
RT nuclear explosions
RT nuclear weapons

sena reactor
Use ardennes reactor

SENDAI-1 REACTOR
INIS: Sep 1979; ETDE: Oct 1979
(Sendai, Kagoshima, Japan)
UF *kyushu-3 reactor*
*BT1 pwr type reactors

SENDAI-2 REACTOR
INIS: Jun 1982; ETDE: Jul 1982
*BT1 pwr type reactors

sendai cyclotron
Use tohoku cyclotron

SENEGAL
BT1 africa
BT1 developing countries

SENGIERITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
*BT1 uranium minerals
RT copper oxides
RT uranium oxides
RT vanadium oxides

senior centers
Use public buildings

senior executive service
See management
OR personnel

SENIORITY NUMBER
BT1 quantum numbers
RT quantum mechanics

senn reactor
Use garigliano reactor

SENSE ORGANS
*BT1 organs
NT1 auditory organs
NT1 eyes
NT2 conjunctiva
NT2 cornea
NT2 crystalline lens
NT2 lacrimal ducts
NT2 retina
NT2 uvea
NT1 taste buds
NT1 vestibular apparatus
RT chemoreceptors
RT head
RT nervous system
RT nose
RT olfactory bulbs
RT organoleptic properties
RT receptors
RT reflexes
RT sense organs diseases

SENSE ORGANS DISEASES
BT1 diseases
NT1 cataracts
NT1 conjunctivitis
RT nervous system diseases
RT ophthalmology
RT sense organs
RT skin diseases

SENSIBLE HEAT STORAGE
INIS: Jun 1993; ETDE: Jun 1977
(Storage of thermal energy utilizing the specific heat capacity of a material without changing the phase of the material.)
*BT1 heat storage
RT rock beds
RT seasonal thermal energy storage
RT tanks
RT thermal energy storage equipment
RT thermal mass
RT trombe walls
RT water walls

SENSITIVITY
(The quantitative aspect concerned with the threshold for detecting a given material, property, etc.)
UF *detection limits*
UF+ *heat stability*
NT1 photosensitivity
RT accuracy
RT biological adaptation
RT biological effects
RT dead time
RT resolution
RT specificity
RT spectral response

SENSITIVITY ANALYSIS
INIS: Feb 1981; ETDE: Jul 1979
(Response of a mathematical model to variations of the input parameters.)
RT calculation methods
RT computer calculations
RT errors
RT mathematical models
RT parametric analysis
RT response functions

SENSITIZERS
BT1 reagents

seoul triga-mk-2 reactor
Use triga-2-seoul reactor

seoul triga-mk-3 reactor
Use triga-3-seoul reactor

sepa
Use southeastern power administration

SEPARATED ORBIT CYCLOTRONS
*BT1 cyclotrons

separation energy
Use binding energy

SEPARATION EQUIPMENT
INIS: Jul 1986; ETDE: May 1981
SF *oil-water separators*
BT1 equipment
NT1 extraction apparatuses
NT2 extraction columns
NT2 mist extractors
NT2 mixer-settlers
NT2 podbielniak contactors
NT1 inertial separators
NT2 cyclone separators
NT1 isotope separators
NT1 vapor separators
NT2 steam separators
RT separation processes

SEPARATION NOZZLE METHOD
*BT1 isotope separation
RT nozzles

SEPARATION PROCESSES
(Prior to August 1996 SLUREX PROCESS was a valid ETDE descriptor.)
UF *slurex process*
NT1 centrifugation
NT2 gas centrifugation
NT2 ultracentrifugation
NT1 chemisorption
NT1 chromatography
NT2 extraction chromatography
NT2 gas chromatography
NT2 gel permeation chromatography
NT2 ion exchange chromatography

NT2 liquid column chromatography
NT2 radiochromatography
NT2 supercritical fluid chromatography
NT2 thermochromatography
NT2 thin-layer chromatography
NT1 cng process
NT1 decantation
NT1 demetallization
NT1 demineralization
NT2 desalination
NT1 dewaxing
NT1 dialysis
NT2 electrodialysis
NT1 distillation
NT2 destructive distillation
NT2 solar distillation
NT2 vacuum distillation
NT1 electrostatic separation
NT1 elutriation
NT1 extraction
NT2 deasphalting
NT2 reductive extraction
NT2 solvent extraction
NT3 phenosolvan process
NT3 supercritical gas extraction
NT1 filtration
NT2 ultrafiltration
NT1 flotation
NT1 foam separation
NT1 fractionation
NT1 freezing out
NT1 heavy media separation
NT2 otisca process
NT1 isotope separation
NT2 dual temperature process
NT2 electromagnetic isotope separation
NT2 gas centrifugation
NT2 gaseous diffusion process
NT2 laser isotope separation
NT2 separation nozzle method
NT1 leaching
NT2 microbial leaching
NT1 licado process
NT1 metal transfer process
NT1 multi-element separation
NT1 ore enrichment
NT1 phosam process
NT1 precipitation
NT2 coprecipitation
NT2 flocculation
NT1 precipitation scavenging
NT1 reprocessing
NT2 airox process
NT2 amex process
NT2 chloride volatility process
NT2 civex process
NT2 csrex process
NT2 dapex process
NT2 diamex process
NT2 eurex process
NT2 fluoride volatility process
NT2 iodox process
NT2 purex process
NT2 pyrochemical reprocessing
NT2 redox process
NT2 sesame process
NT2 talspeak process
NT2 thorex process
NT2 tramex process
NT2 truex process
NT2 zirflex process
NT1 zone refining
RT adsorption
RT concentrators
RT crystallization
RT cyclone separators
RT dust collectors
RT electrophoresis
RT electrostatic precipitators
RT ion exchange
RT jigs
RT magnetic filters
RT magnetic separators
RT particle size classifiers
RT purification
RT refining
RT screens
RT scrubbing
RT separation equipment
RT sorting
RT sublimation
RT supported liquid membranes
RT tailings
RT thermal diffusion

separators (inertial)
Use inertial separators

separators (steam)
Use steam separators

separators (vapor)
Use vapor separators

SEPIOLITE
INIS: Apr 2000; ETDE: Feb 1983
(A chain-lattice clay mineral.)
*BT1 clays
RT magnesium silicates

SEPTICEMIA
RT blood
RT infectious diseases

SEPTUM MAGNETS
*BT1 magnets
RT beam extraction
RT beam optics
RT electrostatic septa
RT magnet coils
RT magnetic analyzers

sequence analysis
Use structural chemical analysis

SEQUENTIAL CIRCUITS
BT1 electronic circuits
RT digital circuits

SEQUENTIAL SCANNING
INIS: Jun 1983; ETDE: Jul 1983
BT1 counting techniques
RT biomedical radiography
RT computerized tomography
RT dynamic function studies
RT image scanners

sequestrene
Use edta

SEQUIM BAY
(Site of new HAPO marine research lab.)
*BT1 bays
*BT1 pacific ocean
RT hapo
RT washington

SEQUOYAH-1 REACTOR
(Daisy, Tennessee, USA)
UF *sequoyah nuclear power plant unit-1*
*BT1 pwr type reactors

SEQUOYAH-2 REACTOR
(Daisy, Tennessee, USA)
UF *sequoyah nuclear power plant unit-2*
*BT1 pwr type reactors

sequoyah nuclear power plant unit-1
Use sequoyah-1 reactor

sequoyah nuclear power plant unit-2
Use sequoyah-2 reactor

SEQUOYAH UF6 PRODUCTION PLANT
BT1 industrial plants
*BT1 us aec
*BT1 us doe
*BT1 us erda
RT oklahoma
RT uranium hexafluoride

SER REACTOR
UF *snap-2 experimental reactor*
*BT1 enriched uranium reactors
*BT1 nak cooled reactors
*BT1 potassium cooled reactors
*BT1 process heat reactors
*BT1 sodium cooled reactors

serber-goldberger model
Use goldberger model

SERBER THEORY
RT stripping

seri
Use national renewable energy laboratory

SERIES EXPANSION
NT1 cluster expansion
NT1 neumann series
NT1 operator product expansion
NT1 power series
RT boson expansion
RT continued fractions
RT convergence
RT equations
RT exact solutions
RT functions
RT mathematical evolution
RT mathematics
RT pade approximation
RT spline functions
RT superconvergence relations

SERINE
UF *hydroxy-alpha-alanine-beta*
*BT1 amino acids
*BT1 hydroxy acids

SERINE PROTEINASES
INIS: Dec 1986; ETDE: Jan 1981
(Code number 3.4.21.)
UF+ *properdin*
*BT1 peptide hydrolases
NT1 chymotrypsin
NT1 fibrinolysin
NT1 kallikrein
NT1 thrombin
NT1 trypsin

SEROTONIN
*BT1 hydroxy compounds
*BT1 neuroregulators
*BT1 radioprotective substances
*BT1 sympathomimetics
*BT1 tryptamines
NT1 bufotenine

SEROUS MEMBRANES
BT1 membranes
NT1 mesentery
NT1 pericardium
NT1 peritoneum
NT1 pleura

SERPENTINE
INIS: Apr 2000; ETDE: Jan 1975
(A group of common rock-forming minerals.)
*BT1 silicate minerals
RT magnesium silicates

SERPENTINITES
INIS: Apr 2000; ETDE: Aug 1980
*BT1 metamorphic rocks

SERPUKHOV SYNCHROTRON
*BT1 synchrotrons
RT ihep
RT serpukhov tevatron

SERPUKHOV TEVATRON
INIS: Nov 1985; ETDE: Dec 1985
(3-TeV accelerating-storage complex based on the Serpukhov synchrotron.)
BT1 storage rings
*BT1 synchrotrons
RT serpukhov synchrotron

SERRATIA
*BT1 bacteria

serum (blood)
Use blood serum

serum (immune)
Use immune serums

SERVICE LIFE
INIS: Feb 1992; ETDE: Aug 1976
UF *life (service)*
UF *useful life*
BT1 lifetime
RT life-cycle cost

SERVICE SECTOR
INIS: Oct 1992; ETDE: Aug 1980
RT commercial sector
RT residential sector
RT sectoral analysis

service stations
Use gasoline service stations

service water systems
Use auxiliary water systems

SERVOMECHANISMS
*BT1 control equipment
RT actuators
RT feedback
RT remote control

SESAME OIL
UF *beni oil*
UF *benne oil*
UF *gigily oil*
UF *gingelly oil*
UF *gingily oil*
UF *teal oil*
UF *teel oil*
UF *til oil*
*BT1 vegetable oils
RT sesamum indicum

SESAME PROCESS
INIS: Jun 1998; ETDE: Oct 1998
*BT1 reprocessing
RT americium
RT oxidation

SESAMUM INDICUM
INIS: Feb 2001; ETDE: Nov 1999
*BT1 magnoliopsida
RT sesame oil

SET THEORY
INIS: Jul 1989; ETDE: May 1979
(Study of structure and size of sets from viewpoint of axioms imposed.)
BT1 mathematics
RT fuzzy logic
RT information theory
RT periodicity

settlements (disputes)
Use dispute settlements

SETTLING PONDS
INIS: Apr 1990; ETDE: Oct 1985
UF *sediment basins*
*BT1 ponds
RT drainage
RT runoff
RT sedimentation
RT waste processing

SEVERANCE TAX
INIS: Apr 2000; ETDE: Mar 1981
(Tax on the taking and use of natural resources imposed at the time the mineral or other product is extracted.)
UF *production tax*
BT1 taxes
RT resource depletion

SEVERN RIVER
INIS: Dec 1991; ETDE: Jan 1976
*BT1 rivers
RT united kingdom

SEWAGE
(Until August 1994 this concept was indexed to LIQUID WASTES.)
BT1 wastes
NT1 sewage sludge
RT activated sludge process
RT compost
RT organic wastes

sewage disposal
Use liquid wastes
AND waste disposal

SEWAGE SLUDGE
INIS: Jul 1976; ETDE: Jan 1976
(Precipitated solid matter from sewage treatment processes)
UF *municipal sludge*
UF *sludges (sewage)*
*BT1 biological wastes
*BT1 sewage
BT1 sludges
RT anaerobic digestion
RT ground disposal
RT slurries
RT soil conservation

sewage treatment
Use liquid wastes
AND waste processing

SEX
RT female genitals
RT females
RT gonads
RT heterochromosomes
RT male genitals
RT males
RT mating
RT pheromone
RT reproduction
RT sex chromatin
RT sex dependence
RT sex ratio

SEX CHROMATIN
BT1 chromatin
RT sex

sex chromosomes
Use heterochromosomes

SEX DEPENDENCE
INIS: Oct 1976; ETDE: Nov 1976
RT females
RT males
RT sex

SEX RATIO
RT progeny
RT sex

seychelles (republic of)
Use republic of seychelles

SEYFERT GALAXIES
BT1 galaxies
RT bl lacertae objects
RT quasars

sf nateko process
Use lime-limestone wet scrubbing processes

sferics
Use atmospherics

SGHWR REACTOR
UF *steam generating heavy water reactor*
*BT1 enriched uranium reactors
*BT1 heavy water moderated reactors
*BT1 pressure tube reactors
*BT1 thermal reactors
*BT1 water cooled reactors

SGR TYPE REACTORS
UF *sodium cooled graphite moderated reactors*
*BT1 graphite moderated reactors
*BT1 sodium cooled reactors
NT1 sre reactor
RT power reactors

SH-PROTEINASES
INIS: Dec 1986; ETDE: Jan 1981
(Code number 3.4.22)
*BT1 peptide hydrolases
NT1 cathepsins
NT1 papain
NT1 streptococcal proteinase

SHADING
INIS: Apr 2000; ETDE: Aug 1975
RT curtains
RT shutters
RT solar flux
RT sun shades

SHADOW EFFECT
RT cross sections
RT nuclear reactions
RT scattering

SHAFT EXCAVATIONS
INIS: Mar 1981; ETDE: Mar 1977
(Vertical or inclined openings of uniform and limited cross section, as made for mining ore.)
SF *shafts*
NT1 mine shafts
NT2 abandoned shafts
RT excavation
RT konrad ore mine
RT mines
RT mining
RT radioactive waste disposal
RT shaft guides

RT tunneling
RT tunnels
RT underground disposal

SHAFT GUIDES
INIS: Apr 2000; ETDE: Aug 1980
UF *guides (shaft)*
RT shaft excavations

shafts
See mechanical shafts
OR mine shafts
OR shaft excavations

shafts (mechanical)
Use mechanical shafts

shafts (mine)
Use mine shafts

SHALE GAS
INIS: Apr 2000; ETDE: Jan 1975
*BT1 gases
RT oil shales

shale mining
Use oil shale mining

SHALE OIL
*BT1 petroleum
NT1 shale oil fractions
RT fischer assay
RT hydroretorting assay
RT ichthammol
RT kerogen
RT oil shale industry
RT oil shales
RT pyrolytic oils
RT shale tar oils
RT synthetic petroleum

SHALE OIL FRACTIONS
INIS: Apr 2000; ETDE: Mar 1976
UF *green oil*
*BT1 shale oil
RT oil shales

SHALE TAR
INIS: Apr 2000; ETDE: Jan 1975
*BT1 tar
RT bituminous materials
RT shale tar acids
RT shale tar bases
RT shale tar oils

SHALE TAR ACIDS
INIS: Apr 2000; ETDE: Aug 1976
*BT1 organic acids
RT shale tar

SHALE TAR BASES
INIS: Apr 2000; ETDE: Jul 1976
BT1 bases
BT1 organic compounds
RT shale tar

SHALE TAR OILS
INIS: Apr 2000; ETDE: May 1975
*BT1 oils
RT shale oil
RT shale tar

SHALE TAR WATER
INIS: Apr 2000; ETDE: Jan 1975
*BT1 waste water

SHALES
*BT1 sedimentary rocks
NT1 argillite
NT1 oil shales
NT2 black shales
RT carbonate minerals
RT clays
RT feldspars
RT iron oxides
RT oxide minerals
RT quartz
RT silt
RT siltstones
RT spent shales

shallow land burial
Use ground disposal

shanghai inr cyclotron
Use inr cyclotron

SHAPE
NT1 parabolas
NT1 troposkien shape
RT cones
RT configuration
RT cylinders
RT dimensions
RT mass distribution
RT morphogenesis
RT morphology
RT plates
RT prisms
RT rings
RT rods
RT shape memory effect
RT slabs
RT spheres
RT spheroids
RT tubes

SHAPE MEMORY EFFECT
INIS: Aug 1986; ETDE: Jan 1975
(A shape recovery effect in metal specimens. It is associated with the martensite parent transformation.)
UF *marmen effect*
RT elasticity
RT nitinol heat engines
RT phase transformations
RT shape

shaped charges
Use chemical explosives

sharja
Use united arab emirates

sharpite
Use carbonate minerals
AND uranium minerals

shattering
Use fragmentation

SHAWNEE STEAM PLANT
INIS: Apr 2000; ETDE: Nov 1981
*BT1 fossil-fuel power plants
RT kentucky
RT tennessee valley authority

SHCA REACTOR
UF *semi-homogeneous critical assembly*
UF *semihomogeneous critical assembly*
*BT1 enriched uranium reactors
*BT1 graphite moderated reactors
*BT1 solid homogeneous reactors
*BT1 thermal reactors
*BT1 zero power reactors

SHEAR
RT fluid flow
RT magnetic fields
RT reversed shear
RT rotational transform
RT stresses
RT tensile properties

SHEAR PROPERTIES
UF *shear strength*
UF *strength (shear)*
BT1 mechanical properties

shear strength
Use shear properties

shear waves (seismic)
Use seismic s waves

SHEARER LOADERS
INIS: Apr 2000; ETDE: May 1980
*BT1 cutter loaders
RT coal mining

shearon harris-1 reactor
Use harris-1 reactor

shearon harris-2 reactor
Use harris-2 reactor

shearon harris-3 reactor
Use harris-3 reactor

shearon harris-4 reactor
Use harris-4 reactor

sheathing
Use canning

sheaths (fuel)
Use fuel cans

SHEEP
UF *lambs*
*BT1 domestic animals
*BT1 ruminants
RT dictyocaulus
RT meat

SHEETS
(Thinner than plates but thicker than foils.)
RT cast method
RT dendritic web growth method
RT foils
RT inverted stepanov method
RT plates
RT ribbon-to-ribbon method
RT ribbon-to-sheet method

SHEILA HELIAC
INIS: Jun 1987; ETDE: Jul 1987
*BT1 heliac stellarators
RT h-1 heliac

shell claus off-gas treating process
Use scot process

shell flue gas desulfurization process
See shell-uop copper oxide process

SHELL GASIFICATION PROCESS
INIS: Apr 2000; ETDE: Jan 1976
(Partial oxidation of hydrocarbons to produce carbon monoxide and hydrogen and methanation to sng.)
BT1 sng processes
RT hydrocarbons
RT partial oxidation processes
RT petroleum

SHELL-KOPPERS GASIFICATION PROCESS
INIS: Apr 2000; ETDE: Apr 1980
(Entrained, pressurized system using coal, steam, and oxygen to produce intermediate btu gas.)
*BT1 coal gasification

SHELL MODELS
(Nuclear shell models only; for electron shell models use ELECTRONIC STRUCTURE.)
UF *continuum shell model*
UF *models (shell)*
SF *wilkinson theory*
*BT1 nuclear models
NT1 governor model
NT1 interacting boson model
NT1 multi-center shell model
RT aligned coupling scheme
RT broken-pair approximation
RT elliot model
RT talmi integrals
RT weak-coupling model

SHELL PELLET HEAT EXCHANGER RETORTING
INIS: Apr 2000; ETDE: Jan 1981
(Fluidization bed process in which shale flows upward countercurrent to larger heat-carrier pellets.)
UF *spher*
RT oil shales
RT retorting

SHELL-UOP COPPER OXIDE PROCESS
INIS: Apr 2000; ETDE: Apr 1977
(Process to remove sulfur dioxide and nitrogen oxides simultaneously from flue gas using dry copper oxide on alumina sorbent.)
SF *shell flue gas desulfurization process*
*BT1 desulfurization
RT denitrification
RT waste processing

SHELLS
(Structural forms; for electron shells in atoms use ELECTRONIC STRUCTURE.)
RT coverings
RT domed structures
RT liners
RT mechanical structures

shells (containment)
Use containment shells

SHELTERS
NT1 animal shelters
NT1 fallout shelters
RT buildings
RT civil defense
RT local fallout
RT nuclear explosions
RT nuclear weapons
RT radiation protection
RT shielding
RT subsurface structures

sherardizing
Use diffusion coating

SHERMAN TABLES
RT anisotropy
RT spin

sherwood project
See thermonuclear reactions

shf radiation
Use ghz range 01-100
AND radiowave radiation

SHIELD SUPPORTS
INIS: Apr 2000; ETDE: Apr 1985
*BT1 powered supports
RT mining

shield test reactor
Use stir reactor

SHIELDED METAL-ARC WELDING
*BT1 arc welding

shielded organs
Use partial body irradiation

SHIELDING
NT1 biological shielding
NT1 magnetic shielding
RT absorption
RT alara
RT buildup
RT collimators
RT containers
RT distance
RT external irradiation
RT gloveboxes
RT gloves
RT half-thickness
RT heterogeneous effects
RT hot cells
RT manipulators
RT point kernels
RT radiation protection
RT scattering
RT self-shielding
RT shelters
RT shielding materials
RT shields
RT shutters
RT stray radiation
RT thermal insulation
RT thickness

SHIELDING MATERIALS
UF *materials (shielding)*
BT1 materials
RT building materials
RT concretes
RT hydrophylic polymers
RT lead
RT paraffin
RT radiation protection
RT reactor components
RT reactor materials
RT shielding
RT shields

SHIELDS
NT1 biological shields
NT1 thermal shields
RT radiation protection
RT reactor components
RT shielding
RT shielding materials

SHIFT PROCESSES
INIS: May 1982; ETDE: Oct 1975
(Processes using the addition of steam to gasification products to increase the hydrogen/carbon monoxide ratio.)
RT coal gasification
RT methanation

shift work
Use alternative work schedules

SHIGELLA
*BT1 bacteria

SHIKA-1 REACTOR
INIS: Sep 1989; ETDE: Oct 1989
(Shika, Ishikawa, Japan.)
UF *noto-1 reactor*
*BT1 bwr type reactors

SHIKIMIC ACID
*BT1 hydroxy acids

SHIM RODS
UF *coarse control rods*
*BT1 control elements
RT neutron absorbers

SHIMANE-1 REACTOR
(Kashima, Shimane, Japan)
UF *chugoku electric power company reactor*
UF *chugoku-1 reactor*
UF *kashima-1 reactor*
*BT1 bwr type reactors

SHIMANE-2 REACTOR
INIS: Nov 1985; ETDE: Aug 1985
(Kashima, Shimane, Japan)
UF *chugoku-2 reactor*
UF *kashima-2 reactor*
*BT1 bwr type reactors

SHIP PROPULSION REACTORS
UF *naval reactors*
UF *s8g prototype reactor*
SF *enrico fermi reactor*
*BT1 propulsion reactors
NT1 efdr-50 reactor
NT1 lenin reactor
NT1 leonid brezhnev reactor
NT1 mutsu reactor
NT1 otto hahn reactor
NT1 savannah reactor
NT1 sibir reactor
RT nuclear ships

ship reactor mutsu
Use mutsu reactor

shipment
Use transport

SHIPPER-RECEIVER DIFFERENCES
INIS: Sep 1976; ETDE: Nov 1976
RT material balance
RT material unaccounted for

shippingport pressurized water reactor
Use shippingport reactor

SHIPPINGPORT REACTOR
UF *shippingport pressurized water reactor*
*BT1 pwr type reactors

SHIPS
UF+ *drill ships*
UF+ *puget sound naval shipyard*
NT1 nuclear ships
NT2 ns enrico fermi
NT2 ns lenin
NT2 ns leonid brezhnev
NT2 ns sibir
NT2 nuclear merchant ships
NT3 ns mutsu
NT3 ns otto hahn
NT3 ns savannah
NT1 submarines
NT1 tanker ships
RT barges
RT maritime transport
RT motorboats
RT navigation
RT navigational instruments
RT positioning
RT sails
RT thrusters

shirley basin uranium mill
Use feed materials plants

SHIVA FACILITY
INIS: Apr 1978; ETDE: Feb 1978
(Large Nd laser facility at LLL to be used for laser fusion.)
RT laser fusion reactors
RT lawrence livermore laboratory
RT lawrence livermore national laboratory
RT neodymium lasers
RT nova facility
RT novette facility

shoal event
Use vela project

shock (biological)
Use biological shock

shock (electric)
Use electric shock

shock (impact)
Use impact shock

shock (medical)
Use biological shock

shock (thermal)
Use thermal shock

SHOCK ABSORBERS
RT damping
RT energy losses
RT impact shock
RT restraints
RT seismic effects
RT seismic isolation
RT shock waves

SHOCK HEATING
*BT1 plasma heating

SHOCK TUBES
RT shock waves

shock wave hardening
Use strain hardening

shock-wave hardening
Use strain hardening

SHOCK WAVES
UF *riemann waves*
UF *waves (shock)*
NT1 detonation waves
RT blast effects
RT combustion waves
RT earthquakes
RT explosions
RT ground motion
RT hydromagnetic waves
RT impact shock
RT implosions
RT lax theorem
RT mach number
RT nuclear explosions
RT rankine-hugoniot equations
RT seismic effects
RT seismology
RT shock absorbers
RT shock tubes
RT soil-structure interactions
RT solitons
RT supersonic flow
RT transonic flow
RT water hammer

shoes
Use clothing

SHOPPING CENTERS
INIS: Mar 1993; ETDE: May 1979
*BT1 commercial buildings

SHOREHAM REACTOR
(Shoreham, New York, USA)
*BT1 bwr type reactors

SHORES
(For both lake- and sea-land boundaries.)
UF *coast*
UF *seacoast*
BT1 coastal regions
RT coastal waters
RT lakes
RT offshore nuclear power plants
RT offshore sites
RT river deltas
RT seas

short circuits
Use electrical faults

short-lens spectrometers
Use magnetic lens spectrometers

short-range interactions
Use interaction range

SHORT ROTATION CULTIVATION
INIS: Feb 1992; ETDE: Oct 1979
(Agro-forestry system in which seedlings are planted like a row crop, and rapid juvenile growth is promoted by cultural practices.)
BT1 cultivation techniques
RT agriculture
RT biomass plantations
RT forestry
RT trees

SHORT WAVE RADIATION
UF *hf radiation*
UF *high frequency radiation*
UF *high-frequency radiation*
*BT1 radiowave radiation

SHORTAGES
INIS: Jun 1993; ETDE: Aug 1980
UF *shortfalls*
NT1 energy shortages
RT allocations
RT availability
RT domestic supplies
RT fuel supplies
RT inventories
RT supply disruption

shortfalls
Use shortages

SHORTITE
INIS: Apr 2000; ETDE: May 1975
(A double carbonate of sodium and calcium.)
*BT1 carbonate minerals
RT calcium carbonates
RT sodium carbonates

shorts (electrical)
Use electrical faults

SHORTWALL MINING
INIS: Apr 2000; ETDE: May 1977
*BT1 underground mining
RT coal mining

SHOT PEENING
UF *peening*
*BT1 cold working
BT1 surface treatments
RT descaling
RT surface cleaning
RT surface hardening

shotfiring
Use explosive fracturing

SHOWER COUNTERS
(Detects high energy gamma radiation or high energy particles on basis of cascade showers in layered absorbers.)
UF *calorimeter detectors*
UF *calorimeters (particle)*
UF *ionization calorimeters*
UF *total-absorption spectrometers*
*BT1 radiation detectors
RT cosmic ray detection
RT fermilab collider detector
RT gev range
RT stanford linear collider detector

SHOWERS
(For rain showers use RAIN; for safety showers use SAFETY SHOWERS.)
NT1 cascade showers
NT1 cosmic showers
NT2 extensive air showers

showers (safety)
Use safety showers

SHREDDERS
INIS: May 1987; ETDE: Apr 1983
*BT1 materials handling equipment
RT cutting tools

SHREWS
*BT1 mammals

SHRIMP
*BT1 decapods
RT prawns
RT seafood

SHRINKAGE
RT augmentation
RT contraction
RT dilatometry

SHROUDS
(Cover enveloping the active length of a fuel assembly, to stabilize the coolant flow through the assembly.)
*BT1 reactor cooling systems
RT fuel assemblies
RT fuel channels
RT jackets

SHRUBS
UF *chrysothamnus nauseosus*
UF+ *rabbit brush*
BT1 plants
NT1 jojoba
RT conifers
RT preferred species

SHUBNIKOV-DE HAAS EFFECT
RT hall effect
RT magnetic fields
RT magnetoresistance

SHUNT REACTORS
INIS: Mar 1985; ETDE: Aug 1979
(Devices connected in shunt to an electric power system for drawing inductive current, e.g., to compensate for capacitive currents from transmission lines, cables, or shunt capacitors.)
*BT1 electrical equipment
RT power transmission

RT power transmission lines

shunts
Use bypasses

SHUTDOWN
INIS: Mar 1983; ETDE: Jun 1991
(Prior to June 1991 this concept in ETDE was indexed to SHUTDOWNS.)
UF *shutdowns*
NT1 reactor shutdown
NT2 scram
RT cancellation
RT decommissioning
RT outages

shutdown (reactor)
Use reactor shutdown

shutdowns
Use shutdown

shutin pressure
Use reservoir pressure

SHUTTERS
INIS: Oct 1982; ETDE: Feb 1979
RT buildings
RT collimators
RT coverings
RT curtains
RT neutron choppers
RT openings
RT optical systems
RT shading
RT shielding
RT sun shades
RT thermal insulation
RT windows

shuttle cars
Use trackless vehicles

shuttles
Use rabbit tubes

SI SEMICONDUCTOR DETECTORS
UF *silicon semiconductor detectors*
*BT1 semiconductor detectors
NT1 li-drifted si detectors

SI UNITS
INIS: May 1981; ETDE: Jul 1976
UF+ *gray*
UF+ *sievert*
UF+ *sievert unit*
BT1 units
RT metric system

si(li) detectors
Use li-drifted si detectors

SIALIC ACID
RT amines
RT gangliosides
RT organic acids

sialon
Use aluminium oxides
AND silicon nitrides

SIBERIA
INIS: Mar 1993; ETDE: Jun 1978
BT1 asia
*BT1 russian federation
RT chukchi sea

sibir (nuclear ship)
Use ns sibir

SIBIR REACTOR
INIS: Sep 1985; ETDE: Oct 1985
UF *icebreaker sibir reactor*
UF *nuclear ship sibir reactor*
*BT1 ship propulsion reactors
RT ns sibir

sichromal alloys
Use aluminium alloys
AND chromium alloys
AND iron base alloys
AND silicon alloys

SICILY
INIS: Jun 1992; ETDE: Aug 1980
*BT1 italy

sick leave
See personnel management

SICKLE CELL ANEMIA
INIS: Dec 1982; ETDE: Jan 1981
*BT1 anemias
RT erythrocytes
RT hereditary diseases

SICROMO 9M
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium alloys
*BT1 iron base alloys
*BT1 molybdenum alloys

sid
Use sudden ionospheric disturbance

SIDE EFFECTS
RT combined therapy
RT therapy

SIDERITE
INIS: Jan 1993; ETDE: Jun 1975
(A spathic iron ore; an iron carbonate.)
*BT1 carbonate minerals
*BT1 iron ores
RT iron carbonates

siegbahn spectrometers
Use flat magnetic spectrometers

SIEMENS COMPUTERS
INIS: Oct 1977; ETDE: Nov 1977
BT1 computers

siemens unterrichtsreaktor
Use sur-100 series reactor

SIERRA LEONE
BT1 africa
BT1 developing countries

SIERRA NEVADA COLORADO
BT1 mountains
RT california
RT cascade mountains

sievert
Use radiation dose units
AND si units

sievert unit
Use radiation dose units
AND si units

sigma-1193 resonances
See sigma minus particles
OR sigma neutral particles
OR sigma plus particles

SIGMA-1385 BARYONS
(Prior to December 1987 this concept was indexed by SIGMA-1385 RESONANCES.)
UF *sigma-1385 resonances*
*BT1 sigma baryons

sigma-1385 resonances
Use sigma-1385 baryons

sigma-1640 resonances
See sigma baryons

SIGMA-1660 BARYONS
INIS: Mar 1977; ETDE: Mar 1988
(Prior to December 1987 this concept was indexed by SIGMA-1660 RESONANCES.)
UF *sigma-1660 resonances*
*BT1 sigma baryons

sigma-1660 resonances
Use sigma-1660 baryons

SIGMA-1670 BARYONS
(Prior to December 1987 this concept was indexed by SIGMA-1670 RESONANCES.)
UF *sigma-1670 resonances*
*BT1 sigma baryons

sigma-1670 resonances
Use sigma-1670 baryons

SIGMA-1750 BARYONS
(Prior to December 1987 this concept was indexed by SIGMA-1750 RESONANCES.)
UF *sigma-1750 resonances*
*BT1 sigma baryons

sigma-1750 resonances
Use sigma-1750 baryons

sigma-1765 resonances
Use sigma-1775 baryons

SIGMA-1770 BARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 sigma baryons

SIGMA-1775 BARYONS
(Prior to December 1987 this concept was indexed by SIGMA-1765 RESONANCES.)
UF *sigma-1765 resonances*
*BT1 sigma baryons

sigma-1910 resonances
Use sigma-1915 baryons

SIGMA-1915 BARYONS
(Prior to December 1987 this concept was indexed by SIGMA-1910 RESONANCES.)
UF *sigma-1910 resonances*
*BT1 sigma baryons

SIGMA-1940 BARYONS
(Prior to December 1987 this concept was indexed by SIGMA-1940 RESONANCES.)
UF *sigma-1940 resonances*
*BT1 sigma baryons

sigma-1940 resonances
Use sigma-1940 baryons

SIGMA-2030 BARYONS
(Prior to December 1987 this concept was indexed by SIGMA-2030 RESONANCES.)
UF *sigma-2030 resonances*
*BT1 sigma baryons

sigma-2030 resonances
Use sigma-2030 baryons

sigma-2430 resonances
Use sigma c-2455 baryons

SIGMA-2455 BARYONS
(Prior to December 1987 this concept was indexed by SIGMA-2455 RESONANCES.)
UF *sigma-2455 resonances*

*BT1 sigma baryons

sigma-2455 resonances
Use sigma-2455 baryons

sigma-410 resonances
Use sigma model

SIGMA BARYONS
INIS: Dec 1987; ETDE: Feb 1988
SF *sigma-1640 resonances*
*BT1 hyperons
NT1 sigma particles
NT2 antisigma particles
NT2 sigma minus particles
NT2 sigma neutral particles
NT2 sigma plus particles
NT1 sigma-1385 baryons
NT1 sigma-1660 baryons
NT1 sigma-1670 baryons
NT1 sigma-1750 baryons
NT1 sigma-1770 baryons
NT1 sigma-1775 baryons
NT1 sigma-1915 baryons
NT1 sigma-1940 baryons
NT1 sigma-2030 baryons
NT1 sigma-2455 baryons

sigma c-2450 baryons
Use sigma c-2455 baryons

SIGMA C-2455 BARYONS
INIS: Apr 1980; ETDE: Aug 1995
(Until December 1987 this concept was indexed by SIGMA-2430 RESONANCES; from then until July 1995 it was indexed by SIGMA C-2450 BARYONS.)
UF *sigma c-2450 baryons*
UF *sigma-2430 resonances*
*BT1 charmed baryons

sigma minus
Use sigma minus particles

sigma-minus atoms
Use hadronic atoms

SIGMA MINUS PARTICLES
(Prior to December 1987 this concept was indexed by SIGMA MINUS.)
UF *sigma minus*
SF *sigma-1193 resonances*
*BT1 sigma particles

SIGMA MODEL
UF *sigma-410 resonances*
*BT1 boson-exchange models
RT pseudoscalar mesons
RT scalar mesons

sigma neutral
Use sigma neutral particles

SIGMA NEUTRAL PARTICLES
(Prior to December 1987 this concept was indexed by SIGMA NEUTRAL.)
UF *sigma neutral*
SF *sigma-1193 resonances*
*BT1 sigma particles

SIGMA PARTICLE BEAMS
*BT1 hyperon beams

SIGMA PARTICLES
*BT1 sigma baryons
NT1 antisigma particles
NT1 sigma minus particles
NT1 sigma neutral particles
NT1 sigma plus particles

SIGMA PILES
RT moderators
RT neutron sources

sigma plus
Use sigma plus particles

SIGMA PLUS PARTICLES
(Prior to December 1987 this concept was indexed by SIGMA PLUS.)
UF *sigma plus*
SF *sigma-1193 resonances*
*BT1 sigma particles

SIGMA TERMS
*BT1 current commutators

sigmalog
See mwd systems

SIGNAL CONDITIONERS
INIS: Apr 2000; ETDE: Jul 1984
*BT1 pulse circuits
NT1 digitizers
NT2 cathode ray tube digitizers
NT2 flying spot digitizers
NT2 scanning measuring projectors
NT2 spiral reader digitizers
NT1 pulse shapers
RT signal conditioning
RT signals

SIGNAL CONDITIONING
INIS: Apr 1986; ETDE: Jul 1984
(Processing of the form or mode of a signal to make it compatible with a given device.)
RT data transmission
RT digitizers
RT pulse shapers
RT signal conditioners
RT signals

SIGNAL DISTORTION
INIS: Mar 1976; ETDE: Apr 1975
RT data transmission
RT electromagnetic radiation
RT radiowave radiation
RT signals
RT sound waves

SIGNAL-TO-NOISE RATIO
INIS: Apr 1986; ETDE: Oct 1980
(Prior to April 1986 NOISE was used for this concept.)
RT accuracy
RT noise
RT resolution
RT signals

SIGNALS
RT communications
RT data transmission
RT pulses
RT signal conditioners
RT signal conditioning
RT signal distortion
RT signal-to-noise ratio

SILANES
UF *silicon hydrides*
*BT1 hydrides
*BT1 organic silicon compounds
BT1 silicon compounds

SILASTIC
*BT1 rubbers
*BT1 silicones

SILENE REACTOR
INIS: Jun 1982; ETDE: Jul 1982
*BT1 enriched uranium reactors
*BT1 research reactors
*BT1 zero power reactors

silex process
Use laser isotope separation

SILICA
INIS: Jan 1976; ETDE: Aug 1993
(The mineral form of silicon dioxide, SiO(sub 2).)
*BT1 oxide minerals
NT1 opals
RT silicon oxides

SILICA GEL
BT1 adsorbents
RT adsorption
RT ion exchange materials
RT silicon oxides

SILICATE MINERALS
INIS: Apr 1984; ETDE: May 1982
(The UF terms below have been valid ETDE descriptors.)
UF *catapleite*
UF *cerite*
UF *elpidite*
UF *eudialyte*
UF *pyroxenes*
UF+ *boltwoodite*
UF+ *cuprosklodowskite*
UF+ *cyrtolite*
UF+ *huttonite*
UF+ *steenstrupine*
UF+ *thorogummite*
UF+ *uranotile*
UF+ *yttrialite*
BT1 minerals
NT1 alamosite
NT1 allanite
NT1 alvite
NT1 amphibole
NT2 hornblende
NT1 beryl
NT1 chlorite minerals
NT1 clays
NT2 attapulgite
NT2 bentonite
NT2 boom clay
NT2 clinoptilolite
NT2 fullers earth
NT2 illite
NT2 kaolin
NT2 montmorillonite
NT2 sepiolite
NT2 smectite
NT1 coffinite
NT1 cristobalite
NT1 diopside
NT1 ekanite
NT1 enstatite
NT1 epidotes
NT1 feldspars
NT2 anorthite
NT2 orthoclase
NT1 freyalite
NT1 garnets
NT1 hedenbergite
NT1 helvite
NT1 hydrothorite
NT1 ilvaite
NT1 kainosite
NT1 kaolinite
NT1 lavenite
NT1 lovozerite
NT1 mackintoshite
NT1 maitlandite
NT1 mesodialyte
NT1 mica
NT2 biotite
NT2 muscovite
NT2 vermiculite

NT1 olivine
NT1 petalite
NT1 pollucite
NT1 pyrophyllite
NT1 ranquilite
NT1 serpentine
NT1 sklodowskite
NT1 soddyite
NT1 talc
NT1 thorite
NT2 jiningite
NT1 titanite
NT1 tourmaline
NT1 uranophane
NT1 uranothorite
NT1 zeolites
NT2 clinoptilolite
NT2 faujasite
NT2 heulandite
NT2 laumontite
NT2 mordenite
NT2 wairakite
NT1 zircon
RT aluminium silicates
RT beryllium silicates
RT boron silicates
RT calcium silicates
RT cerium silicates
RT gabbros
RT iron silicates
RT kimberlites
RT lava
RT magnesium silicates
RT manganese silicates
RT niobium silicates
RT peridotites
RT potassium silicates
RT quartz
RT silicon oxides
RT sodium silicates
RT thorium silicates
RT titanium silicates
RT uranium silicates
RT yttrium silicates
RT zirconium silicates

SILICATES

UF *acid silicates*
UF+ *americium silicates*
UF+ *curium silicates*
UF+ *indium silicates*
UF+ *plutonium silicates*
UF+ *radium silicates*
SF *gadolinite*
BT1 oxygen compounds
BT1 silicon compounds
NT1 aluminium silicates
NT1 barium silicates
NT1 beryllium silicates
NT1 boron silicates
NT1 cadmium silicates
NT1 calcium silicates
NT1 cerium silicates
NT1 cesium silicates
NT1 chromium silicates
NT1 cobalt silicates
NT1 copper silicates
NT1 dysprosium silicates
NT1 europium silicates
NT1 germanium silicates
NT1 hafnium silicates
NT1 holmium silicates
NT1 iron silicates
NT1 lanthanum silicates
NT1 lead silicates
NT1 lithium silicates
NT1 lutetium silicates
NT1 magnesium silicates
NT1 manganese silicates
NT1 molybdenum silicates
NT1 neodymium silicates
NT1 nickel silicates
NT1 niobium silicates
NT1 potassium silicates
NT1 praseodymium silicates
NT1 rubidium silicates
NT1 samarium silicates
NT1 scandium silicates
NT1 sodium silicates
NT1 strontium silicates
NT1 tantalum silicates
NT1 thorium silicates
NT1 thulium silicates
NT1 titanium silicates
NT1 uranium silicates
NT1 uranyl silicates
NT1 vanadium silicates
NT1 ytterbium silicates
NT1 yttrium silicates
NT1 zinc silicates
NT1 zirconium silicates
RT silicic acid
RT silicon oxides

siliceous rock

Use sandstones

SILICIC ACID

UF *hydrogen silicates*
*BT1 inorganic acids
BT1 oxygen compounds
BT1 silicon compounds
RT silicates

silicic acid esters

Use organic silicon compounds

SILICIDES

UF+ *americium silicides*
UF+ *potassium silicides*
UF+ *sodium silicides*
BT1 silicon compounds
NT1 aluminium silicides
NT1 boron silicides
NT1 calcium silicides
NT1 cerium silicides
NT1 cesium silicides
NT1 chromium silicides
NT1 cobalt silicides
NT1 copper silicides
NT1 dysprosium silicides
NT1 erbium silicides
NT1 europium silicides
NT1 gadolinium silicides
NT1 germanium silicides
NT1 gold silicides
NT1 hafnium silicides
NT1 holmium silicides
NT1 iridium silicides
NT1 iron silicides
NT1 lanthanum silicides
NT1 lithium silicides
NT1 lutetium silicides
NT1 magnesium silicides
NT1 manganese silicides
NT1 molybdenum silicides
NT1 neodymium silicides
NT1 nickel silicides
NT1 niobium silicides
NT1 palladium silicides
NT1 platinum silicides
NT1 praseodymium silicides
NT1 rhenium silicides
NT1 rhodium silicides
NT1 rubidium silicides
NT1 ruthenium silicides
NT1 samarium silicides
NT1 scandium silicides
NT1 tantalum silicides
NT1 terbium silicides
NT1 thorium silicides
NT1 thulium silicides
NT1 titanium silicides
NT1 tungsten silicides
NT1 uranium silicides
NT1 vanadium silicides
NT1 ytterbium silicides
NT1 yttrium silicides
NT1 zinc silicides
NT1 zirconium silicides
RT intermetallic compounds
RT silicon additions
RT silicon alloys

SILICON

*BT1 semimetals

SILICON 22

INIS: Nov 1987; ETDE: Dec 1987
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 silicon isotopes

SILICON 23

INIS: Aug 1986; ETDE: May 1984
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 silicon isotopes

SILICON 24

*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 silicon isotopes

SILICON 25

*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 silicon isotopes

SILICON 26

*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 seconds living radioisotopes
*BT1 silicon isotopes

SILICON 27

*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 seconds living radioisotopes
*BT1 silicon isotopes

SILICON 28

*BT1 even-even nuclei
*BT1 light nuclei
*BT1 silicon isotopes
*BT1 stable isotopes
RT silicon 28 beams
RT silicon 28 reactions

SILICON 28 BEAMS

*BT1 ion beams
RT silicon 28

SILICON 28 REACTIONS

*BT1 heavy ion reactions
RT silicon 28

SILICON 28 TARGET

BT1 targets

SILICON 29

*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 silicon isotopes

*BT1 stable isotopes
RT silicon 29 beams
RT silicon 29 reactions

SILICON 29 BEAMS
INIS: Mar 1991; ETDE: Apr 1991
*BT1 ion beams
RT silicon 29

SILICON 29 REACTIONS
INIS: Apr 1978; ETDE: Jul 1978
*BT1 heavy ion reactions
RT silicon 29

SILICON 29 TARGET
BT1 targets

SILICON 30
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 silicon isotopes
*BT1 stable isotopes

SILICON 30 REACTIONS
INIS: Feb 1980; ETDE: Mar 1980
*BT1 heavy ion reactions

SILICON 30 TARGET
BT1 targets

SILICON 31
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 light nuclei
*BT1 silicon isotopes

SILICON 32
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 silicon isotopes
*BT1 years living radioisotopes

SILICON 32 DECAY RADIOISOTOPES
INIS: Jan 1990; ETDE: Feb 1990
*BT1 heavy ion decay radioisotopes
NT1 plutonium 238
RT silicon 32 emission decay

SILICON 32 EMISSION DECAY
INIS: Jan 1990; ETDE: Feb 1990
*BT1 heavy ion emission decay
RT silicon 32 decay radioisotopes

SILICON 32 TARGET
INIS: Jul 1981; ETDE: Aug 1981
BT1 targets

SILICON 33
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 seconds living radioisotopes
*BT1 silicon isotopes

SILICON 34
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 seconds living radioisotopes
*BT1 silicon isotopes

SILICON 34 EMISSION DECAY
INIS: Oct 1989; ETDE: Nov 1989
*BT1 heavy ion emission decay

SILICON 34 TARGET
INIS: Sep 1992; ETDE: May 1985
BT1 targets

SILICON 35
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 silicon isotopes

SILICON 36
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 silicon isotopes

SILICON 37
INIS: Sep 1979; ETDE: Oct 1979
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 silicon isotopes

SILICON 38
INIS: Jul 1980; ETDE: Feb 1980
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 silicon isotopes

SILICON 39
INIS: Jul 1980; ETDE: Feb 1980
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 silicon isotopes

SILICON 40
INIS: Sep 1989; ETDE: Oct 1989
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 silicon isotopes

SILICON 41
INIS: Sep 1989; ETDE: Oct 1989
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 silicon isotopes

SILICON 42
INIS: Feb 1979; ETDE: Mar 1979
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 silicon isotopes

SILICON ADDITIONS
(Alloys containing not more than 1% Si are listed here.)
*BT1 silicon alloys
NT1 alloy-al95cu4
NT2 duralumin
NT1 alloy-fe40ni35cr22
NT1 alloy-hs-31
NT1 alloy-n28t3
NT1 alloy-ni78cr21
NT1 alloy-ni80cr20
NT1 alloy-ni94mn3al2
NT2 alumel
NT1 alloy-s-816
NT1 alloy-v-36
NT1 aludur
NT1 ascoloy
NT1 bondur
NT1 discaloy
NT1 duranickel
NT1 miduale
NT1 ni-hard
NT1 stainless steel-zcnd17-13
NT1 steel-cr16ni9mo2
RT silicides

SILICON ALLOYS
(Alloys containing more than 1% Si.)
UF+ *sichromal alloys*
BT1 alloys
NT1 alloy-mo-re-1
NT1 alloy-ni50mo32cr15si3
NT1 alloy-ra-333
NT1 cast iron
NT1 colmonoy
NT1 duriron
NT1 silicon additions
NT2 alloy-al95cu4
NT3 duralumin
NT2 alloy-fe40ni35cr22
NT2 alloy-hs-31
NT2 alloy-n28t3
NT2 alloy-ni78cr21
NT2 alloy-ni80cr20
NT2 alloy-ni94mn3al2
NT3 alumel
NT2 alloy-s-816
NT2 alloy-v-36
NT2 aludur
NT2 ascoloy
NT2 bondur
NT2 discaloy
NT2 duranickel
NT2 miduale
NT2 ni-hard
NT2 stainless steel-zcnd17-13
NT2 steel-cr16ni9mo2
NT1 supertherm
NT1 tribaloy 800
RT silicides

SILICON ARSENIDE SOLAR CELLS
INIS: Apr 2000; ETDE: Jul 1981
*BT1 solar cells

SILICON ARSENIDES
INIS: Sep 1979; ETDE: Jun 1977
*BT1 arsenides
BT1 silicon compounds

SILICON BORIDES
*BT1 borides
BT1 silicon compounds

SILICON BROMIDES
*BT1 bromides
*BT1 silicon halides

SILICON CARBIDES
*BT1 carbides
BT1 silicon compounds

SILICON CHLORIDES
*BT1 chlorides
*BT1 silicon halides

SILICON COMPLEXES
BT1 complexes

SILICON COMPOUNDS
(See also SILANES, SILOXANES and SILICONES.)
NT1 silanes
NT1 silicates
NT2 aluminium silicates
NT2 barium silicates
NT2 beryllium silicates
NT2 boron silicates
NT2 cadmium silicates
NT2 calcium silicates
NT2 cerium silicates
NT2 cesium silicates
NT2 chromium silicates
NT2 cobalt silicates
NT2 copper silicates

NT2 dysprosium silicates
NT2 europium silicates
NT2 germanium silicates
NT2 hafnium silicates
NT2 holmium silicates
NT2 iron silicates
NT2 lanthanum silicates
NT2 lead silicates
NT2 lithium silicates
NT2 lutetium silicates
NT2 magnesium silicates
NT2 manganese silicates
NT2 molybdenum silicates
NT2 neodymium silicates
NT2 nickel silicates
NT2 niobium silicates
NT2 potassium silicates
NT2 praseodymium silicates
NT2 rubidium silicates
NT2 samarium silicates
NT2 scandium silicates
NT2 sodium silicates
NT2 strontium silicates
NT2 tantalum silicates
NT2 thorium silicates
NT2 thulium silicates
NT2 titanium silicates
NT2 uranium silicates
NT2 uranyl silicates
NT2 vanadium silicates
NT2 ytterbium silicates
NT2 yttrium silicates
NT2 zinc silicates
NT2 zirconium silicates
NT1 silicic acid
NT1 silicides
NT2 aluminium silicides
NT2 boron silicides
NT2 calcium silicides
NT2 cerium silicides
NT2 cesium silicides
NT2 chromium silicides
NT2 cobalt silicides
NT2 copper silicides
NT2 dysprosium silicides
NT2 erbium silicides
NT2 europium silicides
NT2 gadolinium silicides
NT2 germanium silicides
NT2 gold silicides
NT2 hafnium silicides
NT2 holmium silicides
NT2 iridium silicides
NT2 iron silicides
NT2 lanthanum silicides
NT2 lithium silicides
NT2 lutetium silicides
NT2 magnesium silicides
NT2 manganese silicides
NT2 molybdenum silicides
NT2 neodymium silicides
NT2 nickel silicides
NT2 niobium silicides
NT2 palladium silicides
NT2 platinum silicides
NT2 praseodymium silicides
NT2 rhenium silicides
NT2 rhodium silicides
NT2 rubidium silicides
NT2 ruthenium silicides
NT2 samarium silicides
NT2 scandium silicides
NT2 tantalum silicides
NT2 terbium silicides
NT2 thorium silicides
NT2 thulium silicides
NT2 titanium silicides
NT2 tungsten silicides
NT2 uranium silicides
NT2 vanadium silicides
NT2 ytterbium silicides
NT2 yttrium silicides
NT2 zinc silicides
NT2 zirconium silicides
NT1 silicon arsenides
NT1 silicon borides
NT1 silicon carbides
NT1 silicon halides
NT2 silicon bromides
NT2 silicon chlorides
NT2 silicon fluorides
NT2 silicon iodides
NT1 silicon hydroxides
NT1 silicon nitrides
NT1 silicon oxides
NT1 silicon phosphates
NT1 silicon phosphides
NT1 silicon sulfides
RT organic silicon compounds

SILICON DIODES

*BT1 semiconductor diodes

SILICON FLUORIDES

*BT1 fluorides
*BT1 silicon halides

SILICON HALIDES

INIS: Sep 1991; ETDE: Feb 1978
*BT1 halides
BT1 silicon compounds
NT1 silicon bromides
NT1 silicon chlorides
NT1 silicon fluorides
NT1 silicon iodides

silicon hydrides

Use silanes

SILICON HYDROXIDES

*BT1 hydroxides
BT1 silicon compounds

SILICON IODIDES

*BT1 iodides
*BT1 silicon halides

SILICON IONS

*BT1 ions

SILICON ISOTOPES

BT1 isotopes
NT1 silicon 22
NT1 silicon 23
NT1 silicon 24
NT1 silicon 25
NT1 silicon 26
NT1 silicon 27
NT1 silicon 28
NT1 silicon 29
NT1 silicon 30
NT1 silicon 31
NT1 silicon 32
NT1 silicon 33
NT1 silicon 34
NT1 silicon 35
NT1 silicon 36
NT1 silicon 37
NT1 silicon 38
NT1 silicon 39
NT1 silicon 40
NT1 silicon 41
NT1 silicon 42

SILICON NITRIDES

UF+ *sialon*
*BT1 nitrides
BT1 silicon compounds

silicon on ceramic solar cells

Use soc solar cells

SILICON OXIDES

UF+ *coesite*
*BT1 oxides
BT1 silicon compounds
RT cristobalite
RT glass
RT oxide minerals
RT quartz
RT rhyolites
RT sand
RT silica
RT silica gel
RT silicate minerals
RT silicates
RT siloxanes
RT stishovite

SILICON PHOSPHATES

*BT1 phosphates
BT1 silicon compounds

SILICON PHOSPHIDES

INIS: Apr 1978; ETDE: Jul 1978
*BT1 phosphides
BT1 silicon compounds

silicon semiconductor detectors

Use si semiconductor detectors

SILICON SOLAR CELLS

INIS: Oct 1975; ETDE: Jan 1975
*BT1 solar cells
NT1 soc solar cells

SILICON SULFIDES

BT1 silicon compounds
*BT1 sulfides

SILICONES

(Prior to June 1996 DC RESINS was a valid ETDE descriptor.)
UF *dc resins*
BT1 polymers
*BT1 siloxanes
NT1 silastic

siliconizing

Use diffusion coating

silicosis

Use pneumoconioses

SILKWORM

UF *bombyx*
*BT1 moths

SILOE REACTOR

(CEA/CEN Grenoble, Grenoble, France)
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 thermal reactors

SILOETTE REACTOR

UF *grenoble reactor melusine-2*
UF *melusine-2 reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 thermal reactors
*BT1 zero power reactors

SILOXANES

*BT1 organic silicon compounds
NT1 silicones
NT2 silastic
RT silicon oxides

SILT
RT sediments
RT shales

SILTSTONES
INIS: May 1992; ETDE: Jul 1984
*BT1 sedimentary rocks
RT sandstones
RT shales

SILURIAN PERIOD
INIS: Apr 1992; ETDE: Oct 1977
*BT1 paleozoic era

SILVER
*BT1 transition elements

SILVER 100
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 silver isotopes

SILVER 101
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 silver isotopes

SILVER 102
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 silver isotopes

SILVER 103
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 silver isotopes

SILVER 104
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 silver isotopes

SILVER 105
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 silver isotopes

SILVER 106
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 silver isotopes

SILVER 106 TARGET
INIS: Jan 1986; ETDE: Feb 1986
BT1 targets

SILVER 107
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 silver isotopes
*BT1 stable isotopes

SILVER 107 BEAMS
*BT1 ion beams

SILVER 107 TARGET
BT1 targets

SILVER 108
*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 silver isotopes
*BT1 years living radioisotopes

SILVER 108 TARGET
INIS: Feb 1977; ETDE: Sep 1976
BT1 targets

SILVER 109
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 silver isotopes
*BT1 stable isotopes

SILVER 109 REACTIONS
INIS: May 1986; ETDE: Dec 1988
*BT1 heavy ion reactions

SILVER 109 TARGET
BT1 targets

SILVER 110
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 silver isotopes

SILVER 110 TARGET
INIS: Sep 1992; ETDE: Feb 1984
BT1 targets

SILVER 111
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 silver isotopes

SILVER 112
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 silver isotopes

SILVER 113
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 silver isotopes

SILVER 114
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 silver isotopes

SILVER 115
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 silver isotopes

SILVER 116
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 silver isotopes

SILVER 117
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 silver isotopes

SILVER 118
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 silver isotopes

SILVER 119
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 silver isotopes

SILVER 120
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 silver isotopes

SILVER 121
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 silver isotopes

SILVER 122
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 silver isotopes

SILVER 123
INIS: Jul 1976; ETDE: Apr 1976
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 silver isotopes

SILVER 94
Aug 2002
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 silver isotopes

SILVER 95
INIS: Jun 1984; ETDE: Oct 1983
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 silver isotopes

SILVER 96
INIS: Jun 1982; ETDE: Jun 1982
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 silver isotopes

SILVER 97
INIS: Feb 1979; ETDE: Mar 1979
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 silver isotopes

SILVER 98
INIS: Feb 1979; ETDE: Mar 1979
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 silver isotopes

SILVER 99
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 silver isotopes

SILVER ADDITIONS
(Alloys containing not more than 1% Ag are listed here.)
*BT1 silver alloys

SILVER ALLOYS
(Alloys containing more than 1% Ag.)
UF+ *alloy-ge*
*BT1 transition element alloys
NT1 silver additions
NT1 silver base alloys

SILVER ARSENIDES
INIS: Apr 2000; ETDE: Aug 1979
*BT1 arsenides
*BT1 silver compounds

SILVER BASE ALLOYS
*BT1 silver alloys

SILVER BROMIDES
*BT1 bromides
*BT1 silver compounds

SILVER-CADMIUM BATTERIES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 metal-metal oxide batteries

silver carbonates
Use carbonates
AND silver compounds

SILVER CHLORIDES
*BT1 chlorides
*BT1 silver compounds

SILVER COMPLEXES
*BT1 transition element complexes

SILVER COMPOUNDS
UF+ *silver carbonates*
BT1 transition element compounds
NT1 silver arsenides
NT1 silver bromides
NT1 silver chlorides
NT1 silver fluorides
NT1 silver hydrides
NT1 silver hydroxides
NT1 silver iodides
NT1 silver nitrates
NT1 silver nitrides
NT1 silver oxides
NT1 silver perchlorates
NT1 silver phosphates
NT1 silver selenides
NT1 silver sulfates
NT1 silver sulfides
NT1 silver tellurides
NT1 silver tungstates

SILVER FLUORIDES
*BT1 fluorides
*BT1 silver compounds

SILVER HYDRIDES
INIS: Sep 1979; ETDE: Jan 1975
*BT1 hydrides
*BT1 silver compounds

SILVER-HYDROGEN BATTERIES
INIS: Apr 2000; ETDE: Mar 1980
*BT1 metal-gas batteries

SILVER HYDROXIDES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 hydroxides
*BT1 silver compounds

SILVER IODIDES
*BT1 iodides
*BT1 silver compounds

SILVER IONS
*BT1 ions

SILVER ISOTOPES
BT1 isotopes
NT1 silver 100
NT1 silver 101
NT1 silver 102
NT1 silver 103
NT1 silver 104
NT1 silver 105
NT1 silver 106
NT1 silver 107
NT1 silver 108
NT1 silver 109
NT1 silver 110
NT1 silver 111
NT1 silver 112
NT1 silver 113
NT1 silver 114
NT1 silver 115
NT1 silver 116
NT1 silver 117
NT1 silver 118
NT1 silver 119
NT1 silver 120
NT1 silver 121
NT1 silver 122
NT1 silver 123
NT1 silver 94
NT1 silver 95
NT1 silver 96
NT1 silver 97
NT1 silver 98
NT1 silver 99

SILVER NITRATES
*BT1 nitrates
*BT1 silver compounds

SILVER NITRIDES
*BT1 nitrides
*BT1 silver compounds

SILVER ORES
BT1 ores

SILVER OXIDES
*BT1 oxides
*BT1 silver compounds

SILVER PERCHLORATES
*BT1 perchlorates
*BT1 silver compounds

SILVER PHOSPHATES
*BT1 phosphates
*BT1 silver compounds

SILVER SELENIDES
INIS: Jul 1978; ETDE: Aug 1976
*BT1 selenides
*BT1 silver compounds

SILVER SULFATES
*BT1 silver compounds
*BT1 sulfates

SILVER SULFIDES
*BT1 silver compounds
*BT1 sulfides

SILVER TELLURIDES
INIS: Sep 1978; ETDE: Feb 1976
*BT1 silver compounds
*BT1 tellurides

SILVER TUNGSTATES
INIS: May 1978; ETDE: Jul 1978
*BT1 silver compounds
*BT1 tungstates

SILVER-ZINC BATTERIES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 metal-metal oxide batteries

SILVICULTURE
INIS: Mar 1992; ETDE: Jan 1988
BT1 forestry
RT agriculture
RT biomass plantations
RT harvesting
RT plant breeding
RT trees

SIMIAN VIRUS
UF *sv 40 virus*
*BT1 viruses

simmondsia chinensis
Use jojoba

simplex process
Use coal gasification

sims
Use ion microprobe analysis
AND mass spectroscopy

SIMULATION
UF *modeling*
NT1 computerized simulation
NT1 plasma simulation
RT box models
RT functional models
RT scaling laws
RT simulators
RT speech synthesizers
RT systems analysis

SIMULATORS
BT1 analog systems
BT1 functional models
NT1 reactor simulators
NT1 solar simulators
RT microcosms
RT mockup
RT plasma simulation
RT scale models
RT simulation

simulators (reactor)
Use reactor simulators

SIN CYCLOTRON
(Includes the 590 MeV ring cyclotron and the two injector cyclotrons.)
UF *swiss institute nuclear research cyclotron*
UF *villigen cyclotron*
*BT1 isochronous cyclotrons

sine generators
Use function generators

SINE-GORDON EQUATION
INIS: Jun 1977; ETDE: Dec 1976
(Field equation in two space-time dimensions defining a quantum field theory.)
*BT1 field equations
RT quantum field theory

SINGAPORE
BT1 asia
BT1 developing countries
BT1 islands
RT pacific ocean

single administration
Use single intake

SINGLE CELL PROTEIN
INIS: Apr 2000; ETDE: Jan 1976
(Feed and food protein derived from single-cell microorganisms grown on various resources and wastes.)
RT autotrophs
RT continuous culture
RT culture media
RT proteins
RT semibatch culture

single crystals
Use monocrystals

SINGLE INTAKE
UF *single administration*
UF+ *accidental intake*
BT1 intake
RT accidents
RT first aid
RT injuries

single-level resonance formula
Use breit-wigner formula

single market
Use internal market

SINGLE-PARTICLE MODEL
UF *independent-particle model*
*BT1 nuclear models
RT atomic models
RT quasiparticle-phonon model
RT schmidt model

SINGLE-PARTICLE MODES
UF *modes (single-particle)*
BT1 oscillation modes

single photon ect
Use single photon emission computed tomography

SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHY
INIS: Apr 1980; ETDE: May 1980
(Until January 1994 this was spelled SINGLE PHOTON ECT.)
UF *single photon ect*
UF *spect*
*BT1 emission computed tomography
RT gamma cameras
RT photon transmission scanning
RT radioisotope scanning

SINGULARITY
UF+ *residues (mathematical)*
RT functions
RT landau curves
RT s matrix
RT scattering amplitudes

SINKS
INIS: Apr 2000; ETDE: Dec 1979
(Points, lines, or areas at which mass or energy is removed from a system.)
NT1 carbon sinks
NT1 heat sinks
RT absorption
RT diffusion
RT environmental transport

SINP TOKAMAK
INIS: Jun 1994; ETDE: Jun 1994
(Saha Institute of Nuclear Physics, Calcutta, India)
*BT1 tokamak devices

sintered aluminum powders
Use sap

SINTERED MATERIALS
BT1 materials
NT1 sap
RT powder metallurgy
RT powders
RT sintering

SINTERING
UF *liquid-phase sintering*
BT1 fabrication
RT agglomeration
RT furnaces
RT porosity
RT powder metallurgy
RT sintered materials

SINTERS
INIS: Apr 2000; ETDE: Mar 1976
(Chemical sedimentary rocks deposited as a hard incrustation on rocks or on the ground by precipitation from cold mineral water of springs, lakes, or streams; specifically siliceous sinter and calcareous sinter.)
*BT1 sedimentary rocks

SINUSES
INIS: May 1981; ETDE: Jan 1979
(In anatomical nomenclature to designate a cavity or hollow space.)
BT1 cavities
RT body
RT face
RT skull

sioux falls pathfinder reactor
Use pathfinder reactor

siredon
Use salamanders

SIRIUS DEVICE
*BT1 stellarators

sirius synchrotron
Use tomsk synchrotron

SIS SYNCHROTRON
INIS: Feb 1991; ETDE: Feb 1991
UF *darmstadt synchrotron*
*BT1 heavy ion accelerators
*BT1 synchrotrons

SISTER CHROMATID EXCHANGES
INIS: Oct 1977; ETDE: Nov 1977
*BT1 chromosomal aberrations
RT chromatids
RT genetic effects
RT genetic radiation effects
RT hereditary diseases

SITE APPROVALS
INIS: Dec 1976; ETDE: Nov 1990
RT licenses
RT nuclear facilities
RT property rights
RT reactor sites
RT site preparation
RT site selection

SITE CHARACTERIZATION
INIS: Jul 1986; ETDE: Apr 1986
(Surveys of particular sites to establish their characteristics, e.g. hydrology, geological and topographical features, etc. Until March 1993, this concept was indexed by SITE SURVEYS.)
UF *site surveys*
RT baseline ecology
RT geochemistry
RT geographic information systems
RT geography
RT geologic surveys
RT geology
RT geomorphology
RT hydrology
RT meteorology
RT radiation monitoring
RT reactor sites
RT site selection
RT stratigraphy
RT topography

SITE PREPARATION
INIS: Dec 1982; ETDE: Jul 1976
RT reactor sites
RT site approvals
RT site selection

site rehabilitation
Use remedial action

SITE SELECTION
(See also descriptors for concepts involved in site selection, such as ENVIRONMENT, SEISMOLOGY and SOILS plus LIQUEFACTION.)
- UF *reactor siting*
- *RT* accidents
- *RT* archaeological sites
- *RT* environment
- *RT* external zones
- *RT* land use
- *RT* licensing
- *RT* meteorology
- *RT* offshore nuclear power plants
- *RT* offshore sites
- *RT* planning
- *RT* reactor safety
- *RT* reactor sites
- *RT* site approvals
- *RT* site characterization
- *RT* site preparation

site surveys
- Use site characterization

sites (fission reactor)
- Use reactor sites

sites (nuclear installations)
- Use nuclear facilities

sites (reactor)
- Use reactor sites

SITOSTEROL
- *BT1 sterols

SIZE
(From December 1981 till May 1996 SIZING was a valid ETDE descriptor.)
- UF *sizing*
- **NT1** critical size
- **NT1** grain size
- **NT1** particle size
- *RT* dimensions
- *RT* thickness
- *RT* volume
- *RT* width

SIZEWELL-A REACTOR
(Sizewell, Suffolk, UK)
- UF *sizewell nuclear power station a*
- *BT1 carbon dioxide cooled reactors
- *BT1 magnox type reactors
- *BT1 thermal reactors

SIZEWELL-B REACTOR
(Sizewell, Suffolk, UK)
- UF *sizewell nuclear power station b*
- *BT1 pwr type reactors

sizewell nuclear power station a
- Use sizewell-a reactor

sizewell nuclear power station b
- Use sizewell-b reactor

sizing
- Use size

SKAGIT-1 REACTOR
(Hanford, Washington, USA)
- *BT1 bwr type reactors
- *RT* ge standard reactor

SKAGIT-2 REACTOR
(Hanford, Washington, USA)
- *BT1 bwr type reactors
- *RT* ge standard reactor

SKAGIT RIVER
INIS: Apr 2000; ETDE: Oct 1980
- *BT1 rivers
- *RT* hydroelectric power plants
- *RT* washington

SKATING RINKS
INIS: Apr 2000; ETDE: Dec 1981
- *RT* commercial buildings
- *RT* public buildings

SKELETAL DISEASES
- UF *bone diseases*
- UF+ *chondrosarcomas*
- BT1 diseases
- **NT1** osteomyelitis
- **NT1** osteoporosis
- **NT1** osteoradionecrosis
- **NT1** osteosarcomas
- **NT1** rickets
- **NT1** spondylitis
- *RT* bone fractures
- *RT* bone joints
- *RT* bone tissues
- *RT* rheumatic diseases
- *RT* skeleton

skeletal fossils
- Use fossils

SKELETON
- UF *bones*
- *BT1 organs
- **NT1** bone joints
- **NT1** exoskeleton
- **NT1** femur
- **NT1** skull
  - **NT2** jaw
- **NT1** tibia
- **NT1** vertebrae
- *RT* bone tissues
- *RT* limbs
- *RT* skeletal diseases

skewness
- Use asymmetry
- AND distribution
- AND statistics

SKIMMERS
INIS: Jul 1992; ETDE: Aug 1976
(For oil spill cleanup and removal.)
- UF *oil skimmers*
- *BT1 pollution control equipment
- *RT* offshore operations
- *RT* oil spills

SKIN
- UF+ *sebaceous glands*
- UF+ *sweat glands*
- *BT1 organs
- **NT1** epidermis
- **NT1** hair
- **NT1** hair follicles
- **NT1** nails
- *RT* animal tissues
- *RT* epilation
- *RT* erythema
- *RT* feathers
- *RT* fish scales
- *RT* gloves
- *RT* leather
- *RT* lupus
- *RT* melanin
- *RT* ointments
- *RT* psoriasis
- *RT* skin absorption
- *RT* skin diseases
- *RT* sweat
- *RT* wounds

SKIN ABSORPTION
- UF *absorption (skin)*
- *BT1 absorption
- BT1 uptake
- *RT* gloves
- *RT* protective clothing
- *RT* skin

skin cancer
- *See* epitheliomas

skin damage
- Use formation damage

SKIN DISEASES
- UF+ *xeroderma pigmentosum*
- BT1 diseases
- **NT1** dermatitis
  - **NT2** radiodermatitis
- **NT1** eczema
- **NT1** herpes simplex
- **NT1** psoriasis
- **NT1** telangiectasis
- *RT* burns
- *RT* erythema
- *RT* lupus
- *RT* sense organs diseases
- *RT* skin

SKIN EFFECT
- *RT* electric conductors
- *RT* electric currents
- *RT* magnetic flux
- *RT* penetration depth

skin effect (well)
- Use formation damage

SKLODOWSKITE
INIS: Apr 2000; ETDE: Dec 1974
- *BT1 silicate minerals
- *BT1 uranium minerals
- *RT* magnesium silicates
- *RT* uranium silicates

skoda (plzen) reactor
- Use sr-oa reactor

SKULL
- *BT1 skeleton
- **NT1** jaw
- *RT* brain
- *RT* head
- *RT* sinuses

SKY
INIS: Apr 2000; ETDE: Sep 1981
- **NT1** night sky
- *RT* cloud cover
- *RT* clouds
- *RT* sun

SKYLAB
- BT1 satellites

SKYLIGHTS
INIS: Apr 2000; ETDE: Oct 1975
- *RT* buildings
- *RT* daylighting
- *RT* glazing materials
- *RT* lighting systems
- *RT* windows

SKYRME POTENTIAL
- UF+ *skyrmions*
- *BT1 nucleon-nucleon potential
- *RT* elastic scattering
- *RT* inelastic scattering
- *RT* nuclear reactions

skyrmions
Use skyrme potential
AND solitons

SL-1 REACTOR
UF *stationary low power plant-1*
*BT1 bwr type reactors
*BT1 process heat reactors

SL GROUPS
*BT1 lie groups

SLABS
(Thicker than plates; primarily for use in shielding studies.)
RT plates
RT prismatic configuration
RT shape

slac
Use stanford linear accelerator center

slac 2-mile linac
Use stanford 20-gev linac

slaggie model
See transport theory

SLAGGING PYROLYSIS PROCESS
INIS: Oct 1983; ETDE: Nov 1976
SF *andco-torrax slagging pyrolysis system*
*BT1 waste processing
RT alpha-bearing wastes
RT pyrolysis
RT radioactive waste processing

SLAGS
RT gangue
RT seed-slag interactions

SLAT TYPE COLLECTORS
INIS: Apr 2000; ETDE: Oct 1978
UF *linear-segmented array collector*
*BT1 concentrating collectors

slater determinant
Use slater method

slater integrals
Use slater method

SLATER METHOD
UF *slater determinant*
UF *slater integrals*
UF *slater orbitals*
BT1 calculation methods
RT aligned coupling scheme
RT electronic structure
RT wave functions

slater orbitals
Use slater method

slatis-siegbahn spectrometers
Use magnetic lens spectrometers

slc
Use stanford linear collider

slc detectors
Use stanford linear collider detector

sld
See stanford linear collider detector

SLEEP
RT central nervous system depressants
RT hibernation
RT hypnotics and sedatives
RT physiology

SLEEVES
RT jackets
RT reactor components

SLICE MINING
INIS: Apr 2000; ETDE: May 1980
*BT1 underground mining
RT coal mining

SLIDING FRICTION
BT1 friction

SLIGHTLY ENRICHED URANIUM
(0 - 5 per cent.)
*BT1 enriched uranium

slime fungi
Use myxomycetes

SLIP
RT deformation
RT dislocations
RT slip ratio
RT slip velocity
RT twinning

SLIP CASTING
(A procedure in ceramics not metallurgy.)
*BT1 casting
RT ceramics

SLIP FLOW
(Rarefied gas flow in the region between Knudsen numbers 0.01 and 0.1 only.)
*BT1 gas flow

SLIP RATIO
RT slip

SLIP VELOCITY
BT1 velocity
RT slip

slm
Use scanning light microscopy

sloop event
Use plowshare project

SLOPE STABILITY
INIS: Apr 1986; ETDE: Mar 1979
(Resistance of an inclined surface to failure by sliding or collapsing.)
BT1 stability
RT excavation
RT ground motion
RT landslides
RT strata control
RT surface mining

slot ovens
Use coke ovens

slovak cyclotron center
Use cyclotron center of the slovak republic

slovak nuclear regulatory authority
Use ujd

SLOVAK ORGANIZATIONS
INIS: Jan 1994; ETDE: Jan 1994
(Prior to January 1994, this concept in ETDE was indexed by CZECHOSLOVAK ORGANIZATIONS.)
SF *czechoslovak organizations*
BT1 national organizations
NT1 cyclotron center of the slovak republic
NT1 ujd
NT1 vuje

slovak republic
Use slovakia

SLOVAKIA
INIS: Jan 1993; ETDE: Mar 1994
(Prior to March 1994, this concept was indexed by CZECHOSLOVAKIA.)
UF *slovak republic*
SF *czechoslovakia*
BT1 developing countries
*BT1 eastern europe
RT danube river
RT dudvah river
RT vah river

SLOVENIA
INIS: Jan 1993; ETDE: Jan 1993
*BT1 eastern europe
RT alps

SLOW NEUTRONS
*BT1 neutrons

slowdown
Use slowing-down

SLOWING-DOWN
UF *slowdown*
NT1 thermalization
RT absorption
RT energy losses
RT fermi age theory
RT neutron age
RT neutron converters
RT neutron slowing-down theory
RT neutron transport theory
RT slowing-down kernels
RT slowing-down length
RT van hove theory
RT wick method
RT wigner-wilkins model
RT wilkins equation

slowing-down area
Use slowing-down length

SLOWING-DOWN KERNELS
UF *kernels (slowing-down)*
RT neutron slowing-down theory
RT slowing-down

SLOWING-DOWN LENGTH
UF *slowing-down area*
*BT1 length
RT migration length
RT slowing-down

slowing-down theory (neutron)
Use neutron slowing-down theory

SLOWPOKE-ALBERTA REACTOR
INIS: Dec 1979; ETDE: Jan 1980
(University of Alberta, Faculty of Pharmacy, Edmonton, Alberta, Canada)
UF *alberta university slowpoke reactor*
UF *university of alberta slowpoke reactor*
*BT1 slowpoke type reactors

SLOWPOKE-DALHOUSIE REACTOR
INIS: Dec 1979; ETDE: Jan 1980
(Dalhousie University Trace Analysis Research Centre, Halifax, Nova Scotia, Canada)
UF *dalhousie university slowpoke reactor*
*BT1 slowpoke type reactors

SLOWPOKE-MONTREAL REACTOR
INIS: Dec 1979; ETDE: Jan 1980
(University of Montreal, Polytechnical School, Montreal, Quebec, Canada)
UF *montreal university slowpoke reactor*
UF *university of montreal slowpoke reactor*
*BT1 slowpoke type reactors

SLOWPOKE-OTTAWA REACTOR
(Atomic Energy of Canada Ltd, Commercial Products, Ottawa, Ontario, Canada)
UF *aecl radiochemical slowpoke reactor*
UF *ottawa slowpoke reactor*
UF *slowpoke reactor (ottawa)*
*BT1 slowpoke type reactors

slowpoke reactor (ottawa)
Use slowpoke-ottawa reactor

slowpoke reactor (toronto)
Use slowpoke-toronto reactor

SLOWPOKE-TORONTO REACTOR
(University of Toronto, Dept. of Chemical Engineering, Toronto, Ontario, Canada)
UF *slowpoke reactor (toronto)*
UF *toronto university slowpoke reactor*
UF *university of toronto slowpoke reactor*
*BT1 slowpoke type reactors

SLOWPOKE TYPE REACTORS
INIS: Dec 1979; ETDE: Jan 1980
UF *safe low power critical experiment*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
NT1 slowpoke-alberta reactor
NT1 slowpoke-dalhousie reactor
NT1 slowpoke-montreal reactor
NT1 slowpoke-ottawa reactor
NT1 slowpoke-toronto reactor
NT1 slowpoke-wnre reactor

SLOWPOKE-WNRE REACTOR
INIS: Oct 1986; ETDE: Nov 1986
(Whiteshell Nuclear Research Establishment, Pinawa, Manitoba, Canada.)
*BT1 process heat reactors
*BT1 slowpoke type reactors
RT district heating

sls (swiss synchrotron light source)
Use swiss light source

SLUDGES
INIS: Feb 1992; ETDE: May 1976
NT1 sewage sludge
RT sediments
RT slurries
RT wastes

sludges (sewage)
Use sewage sludge

slugs (fuel)
Use fuel rods

slurex process
Use separation processes

SLURRIES
UF *pulps*
*BT1 mixtures
*BT1 suspensions
NT1 fuel slurries
RT hydraulic transport
RT ore processing
RT sewage sludge
RT sludges
RT slurry pipelines

slurries (fuel)
Use fuel slurries

SLURRY PIPELINES
INIS: Feb 1993; ETDE: Aug 1975
BT1 pipelines
RT coal
RT hydraulic transport
RT slurries

SLURRY REACTORS
*BT1 fuel dispersion reactors
RT fuel slurries

SLUSH
INIS: Apr 2000; ETDE: Jan 1976
RT hydrogen fuels
RT ice
RT snow
RT water

SM-1 REACTOR
UF *stationary medium power plant-1*
*BT1 pwr type reactors

SM-1A REACTOR
UF *stationary medium power plant-1a*
*BT1 process heat reactors
*BT1 pwr type reactors

SM-2 REACTOR
UF *melekess-sm-2 reactor*
*BT1 materials testing reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

SMALL ANGLE SCATTERING
BT1 scattering
RT angular distribution
RT optical theorem

SMALL BUSINESSES
INIS: Feb 1992; ETDE: Sep 1977
(Businesses and commercial establishments employing fewer than 500 people.)
BT1 business
RT commercial sector
RT cooperatives
RT economy
RT gasoline service stations
RT industry
RT market
RT restaurants
RT retailers
RT trade

SMALL INTESTINE
UF *duodenum*
UF *ileum*
UF *jejunum*
*BT1 intestines
RT ascaris
RT intestinal absorption
RT mesentery
RT secretin

SMALL-SCALE HYDROELECTRIC POWER PLANTS
INIS: Apr 1992; ETDE: Jul 1981
(Small-scale hydroelectric power plants generating from 100kW to 30MW.)
*BT1 hydroelectric power plants
RT low-head hydroelectric power plants

small tight aspect ratio tokamak
Use start tokamak

smartor device
Use tokamak devices

SMECTITE
INIS: Feb 1981; ETDE: Nov 1976
(A green clay..)
*BT1 clays
RT aluminium silicates

SMELTERS
INIS: Jul 1992; ETDE: Oct 1980
BT1 furnaces
RT metal industry
RT pyrometallurgy
RT smelting

SMELTING
RT melting
RT pyrometallurgy
RT smelters

smes
Use superconducting magnetic energy storage

SMOG
INIS: Apr 1984; ETDE: Nov 1975
(Prior to May 2000, this concept was indexed by AIR POLLUTION.)
RT air pollution
RT atmospheric chemistry
RT photochemical oxidants
RT visibility

smokatron
Use electron-ring accelerators

SMOKE DETECTORS
INIS: Feb 1981; ETDE: Nov 1978
UF *icsd*
UF *ionization chamber smoke detectors*
*BT1 fire detectors
RT aerosol monitoring
RT aerosols
RT alarm systems
RT fires
RT safety engineering
RT smokes

SMOKES
*BT1 aerosols
BT1 residues
NT1 tobacco smokes
RT plumes
RT smoke detectors
RT soot
RT stacks
RT visibility

smoky event
Use atmospheric explosions
AND nuclear explosions

SMOLENSK-1 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

SMOLENSK-2 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

SMOLENSK-3 REACTOR
INIS: Dec 1994; ETDE: Jan 1995
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 power reactors
*BT1 thermal reactors

SMOOTH MANIFOLDS
BT1 mathematical manifolds
RT conformal mapping
RT differential topology
RT riemann space
RT topological foliation

smoothness
Use roughness

smp devices
Use scanning measuring projectors

smr reactor
See graphite moderated reactors

sn method
Use discrete ordinate method

SNAILS
*BT1 molluscs
RT disease vectors
RT schistosomiasis
RT seafood

SNAKE RIVER PLAIN
INIS: Apr 1992; ETDE: Aug 1981
SF *geologic provinces*
RT idaho
RT nevada
RT oregon
RT wyoming
RT yellowstone national park

SNAKES
*BT1 reptiles

snap 1 battery
Use snap batteries

SNAP 10 REACTOR
*BT1 enriched uranium reactors
*BT1 potassium cooled reactors
*BT1 process heat reactors
*BT1 snap reactors
*BT1 sodium cooled reactors
NT1 s10fs-1 reactor
NT1 s10fs-3 reactor
NT1 s10fs-4 reactor

snap-10a flight system test-1
Use s10fs-1 reactor

snap-10a flight system test-3
Use s10fs-3 reactor

snap-10a flight system test-4
Use s10fs-4 reactor

snap-10a transient test reactor
Use snaptran reactors

snap 11 battery
Use snap batteries

snap 13 battery
Use snap batteries

snap 15 battery
Use snap batteries

SNAP 19 BATTERY
*BT1 snap batteries

snap-2 developmental system
Use s2ds reactor

snap-2 experimental reactor
Use ser reactor

SNAP 2 REACTOR
*BT1 enriched uranium reactors
*BT1 snap reactors
NT1 s2ds reactor

snap-2/10a tsf shielding reactor
Use snap-tsf reactor

snap 21 battery
Use snap batteries

snap 23 battery
Use snap batteries

SNAP 27 BATTERY
*BT1 snap batteries

snap 29 battery
Use snap batteries

snap 3 battery
Use snap batteries

snap 4 reactor
Use snap reactors

SNAP 50 REACTOR
INIS: Feb 1993; ETDE: Apr 1975
*BT1 enriched uranium reactors
*BT1 snap reactors

snap 7 battery
Use snap batteries

snap-8 developmental reactor
Use s8dr reactor

snap-8 experimental reactor
Use s8er reactor

SNAP 8 REACTOR
*BT1 enriched uranium reactors
*BT1 snap reactors
NT1 s8dr reactor
NT1 s8er reactor

SNAP 9 BATTERY
*BT1 snap batteries

SNAP BATTERIES
(Battery Systems for Nuclear Auxiliary Power.)
UF *snap 1 battery*
UF *snap 11 battery*
UF *snap 13 battery*
UF *snap 15 battery*
UF *snap 21 battery*
UF *snap 23 battery*
UF *snap 29 battery*
UF *snap 3 battery*
UF *snap 7 battery*
*BT1 radioisotope batteries
NT1 snap 19 battery
NT1 snap 27 battery
NT1 snap 9 battery

SNAP REACTORS
(Reactor Systems for Nuclear Auxiliary Power.)
UF *snap 4 reactor*
SF *s4 reactor*
*BT1 space power reactors
NT1 snap 10 reactor
NT2 s10fs-1 reactor
NT2 s10fs-3 reactor
NT2 s10fs-4 reactor
NT1 snap 2 reactor
NT2 s2ds reactor
NT1 snap 50 reactor
NT1 snap 8 reactor
NT2 s8dr reactor
NT2 s8er reactor
RT thermionic reactors

SNAP-TSF REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *snap-2/10a tsf shielding reactor*
*BT1 enriched uranium reactors
*BT1 potassium cooled reactors
*BT1 process heat reactors
*BT1 sodium cooled reactors

snaptran-1 reactor
Use snaptran reactors

snaptran-2 reactor
Use snaptran reactors

snaptran-3 reactor
Use snaptran reactors

SNAPTRAN REACTORS
UF *snap-10a transient test reactor*
UF *snaptran-1 reactor*
UF *snaptran-2 reactor*
UF *snaptran-3 reactor*
*BT1 enriched uranium reactors
*BT1 nak cooled reactors
*BT1 potassium cooled reactors
*BT1 sodium cooled reactors
*BT1 test reactors

SNEAK REACTOR
(Gesellschaft fuer Kernforschung mbH, Karlsruhe, Baden-Wuerttemberg, Federal Republic of Germany)
UF *schnelle null-energie anordnung karlsruhe*
*BT1 air cooled reactors
*BT1 fast reactors
*BT1 research reactors
*BT1 zero power reactors
RT enriched uranium reactors
RT plutonium reactors

sng
Use high btu gas

SNG PLANTS
INIS: Apr 2000; ETDE: Oct 1976
BT1 industrial plants
RT high btu gas
RT sng processes

SNG PROCESSES
INIS: Apr 2000; ETDE: Apr 1975
(Processes for production of substitute natural gas from hydrocarbon liquids or coal.)
UF *gasynthan process*
UF *jgc methane-rich gas process*
UF *methane rich gas process*
UF *mrg process*
UF *rmprocess*
UF+ *carbon dioxide acceptor process*
NT1 fluidized bed hydrogenation process
NT1 gas recycle hydrogenation process
NT1 hydrane process
NT1 hygas process
NT1 kellogg process
NT1 peatgas process
NT1 shell gasification process
RT bi-gas process
RT coal gasification
RT exxon gasification process
RT high btu gas
RT koppers-totzek process
RT lurgi process

RT petroleum
RT petroleum products
RT sng plants
RT synthane process
RT winkler process

SNOW
BT1 atmospheric precipitations
RT antarctic regions
RT arctic regions
RT cryosphere
RT glaciers
RT ice
RT natural disasters
RT rain
RT slush
RT storms

snpa-dea process
Use desulfurization

snr-1 reactor
Use snr reactor

SNR-2 REACTOR
INIS: Oct 1976; ETDE: Oct 1976
(Kalkar, North Rhine Westfalia, Federal Republic of Germany)
*BT1 lmfbr type reactors
*BT1 power reactors
*BT1 sodium cooled reactors

snr-300 reactor
Use snr reactor

SNR REACTOR
(Kalkar, North Rhine Westfalia, Federal Republic of Germany)
UF *kalkar power reactor*
UF *schneller natriumgekuehlter reaktor*
UF *snr-1 reactor*
UF *snr-300 reactor*
*BT1 lmfbr type reactors
*BT1 power reactors
*BT1 sodium cooled reactors

SO-10 GROUPS
INIS: Mar 1981; ETDE: Apr 1981
*BT1 so groups
RT grand unified theory

SO-12 GROUPS
INIS: Jan 1986; ETDE: Mar 1986
*BT1 so groups

SO-2 GROUPS
INIS: Feb 1978; ETDE: May 1978
*BT1 so groups

SO-3 GROUPS
*BT1 so groups

SO-4 GROUPS
INIS: Oct 1977; ETDE: Nov 1977
*BT1 so groups

SO-6 GROUPS
INIS: Sep 1981; ETDE: Oct 1981
*BT1 so groups

SO-8 GROUPS
INIS: Apr 1987; ETDE: Jul 1987
*BT1 so groups

SO GROUPS
*BT1 lie groups
NT1 so-10 groups
NT1 so-12 groups
NT1 so-2 groups
NT1 so-3 groups
NT1 so-4 groups
NT1 so-6 groups
NT1 so-8 groups

SOAPS
*BT1 other organic compounds
RT detergents
RT emulsifiers
RT organic acids

SOC SOLAR CELLS
INIS: Apr 2000; ETDE: Jul 1981
UF *silicon on ceramic solar cells*
*BT1 silicon solar cells

SOCIAL IMPACT
INIS: Apr 1984; ETDE: Jan 1977
RT aesthetics
RT health services
RT socio-economic factors
RT sociology
RT technology impacts

SOCIAL SERVICES
INIS: Jan 1985; ETDE: Apr 1978
NT1 health services
RT boom towns
RT local government
RT state government

socio-economic aspects
Use socio-economic factors

SOCIO-ECONOMIC FACTORS
INIS: Dec 1982; ETDE: Mar 1976
(Prior to December 1985 SOCIO-ECONOMIC ASPECTS was used for this concept.)
UF *socio-economic aspects*
SF *life styles*
SF *values*
BT1 institutional factors
RT aesthetics
RT communities
RT cooperatives
RT economic impact
RT economics
RT financial incentives
RT health services
RT high income groups
RT low income groups
RT political aspects
RT property values
RT social impact
RT sociology
RT technology impacts

SOCIOLOGY
RT aesthetics
RT anthropology
RT black americans
RT elderly people
RT ethical aspects
RT handicapped people
RT hispanic americans
RT historical aspects
RT human factors
RT human populations
RT leisure time activities
RT man
RT minority groups
RT occupations
RT oriental americans
RT public anxiety
RT public relations
RT regional analysis
RT social impact
RT socio-economic factors
RT urban populations

sod
Use superoxide dismutase

sod (soil)
Use soils

soda ash
Use sodium carbonates

SODDYITE
*BT1 silicate minerals
*BT1 uranium minerals
RT uranium silicates

SODIUM
*BT1 alkali metals

SODIUM 19
*BT1 beta-plus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 sodium isotopes

SODIUM 20
*BT1 beta-plus decay radioisotopes
*BT1 light nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 sodium isotopes

SODIUM 21
*BT1 beta-plus decay radioisotopes
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 sodium isotopes

SODIUM 21 TARGET
INIS: Dec 1986; ETDE: Feb 1987
BT1 targets

SODIUM 22
*BT1 beta-plus decay radioisotopes
*BT1 isomeric transition isotopes
*BT1 light nuclei
*BT1 nanoseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 sodium isotopes
*BT1 years living radioisotopes

SODIUM 22 TARGET
INIS: Oct 1976; ETDE: Nov 1976
BT1 targets

SODIUM 23
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 sodium isotopes
*BT1 stable isotopes
RT sodium 23 beams

SODIUM 23 BEAMS
INIS: Jul 1976; ETDE: Aug 1976
*BT1 ion beams
RT sodium 23

SODIUM 23 REACTIONS
INIS: Sep 1978; ETDE: Oct 1978
*BT1 heavy ion reactions

SODIUM 23 TARGET
BT1 targets

SODIUM 24
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 sodium isotopes

SODIUM 25
*BT1 beta-minus decay radioisotopes

*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 sodium isotopes

SODIUM 26
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 sodium isotopes

SODIUM 27
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 sodium isotopes

SODIUM 28
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 sodium isotopes

SODIUM 29
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 sodium isotopes

SODIUM 30
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 sodium isotopes

SODIUM 31
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 sodium isotopes

SODIUM 32
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 sodium isotopes

SODIUM 33
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 sodium isotopes

SODIUM 34
INIS: Jun 1984; ETDE: Jul 1984
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 sodium isotopes

SODIUM 35
INIS: Feb 1984; ETDE: Jun 1983
*BT1 beta-minus decay radioisotopes
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 sodium isotopes

SODIUM ADDITIONS
(Alloys containing not more than 1% Na are listed here.)
*BT1 sodium alloys

SODIUM ALLOYS
(Alloys containing more than 1% Na.)
UF+ *nak*
BT1 alloys
NT1 sodium additions
NT1 sodium base alloys

sodium aminoethylthiophosphate
Use cystaphos

SODIUM BASE ALLOYS
*BT1 sodium alloys

SODIUM BORIDES
*BT1 borides
*BT1 sodium compounds

SODIUM BROMIDES
*BT1 bromides
*BT1 sodium compounds

SODIUM CARBIDES
*BT1 carbides
*BT1 sodium compounds

SODIUM CARBONATES
UF *soda ash*
UF+ *chlor-alkali industry*
*BT1 carbonates
*BT1 sodium compounds
RT carbonate minerals
RT dawsonite
RT nahcolite
RT shortite
RT trona

SODIUM CHLORIDES
*BT1 chlorides
*BT1 sodium compounds
RT halite

sodium citrates
Use citrates
AND sodium compounds

SODIUM COMPLEXES
*BT1 alkali metal complexes

SODIUM COMPOUNDS
UF+ *hypaque*
UF+ *sodium citrates*
UF+ *sodium lauryl sulfates*
UF+ *sodium phosphides*
UF+ *sodium silicides*
BT1 alkali metal compounds
NT1 borax
NT1 rochelle salt
NT1 sodium borides
NT1 sodium bromides
NT1 sodium carbides
NT1 sodium carbonates
NT1 sodium chlorides
NT1 sodium fluorides
NT1 sodium hydrides
NT1 sodium hydroxides
NT1 sodium iodides
NT1 sodium nitrates
NT1 sodium nitrides
NT1 sodium oxides
NT2 sodium tungsten bronze
NT1 sodium perchlorates
NT1 sodium phosphates
NT1 sodium selenides
NT1 sodium silicates
NT1 sodium sulfates
NT1 sodium sulfides
NT1 sodium tellurides
NT1 sodium tungstates
NT1 sodium uranates
NT1 tiron

sodium cooled graphite moderated reactors
Use sgr type reactors

SODIUM COOLED REACTORS
*BT1 liquid metal cooled reactors
NT1 beloyarsk-3 reactor
NT1 beloyarsk-4 reactor
NT1 bn-1600 reactor
NT1 bn-350 reactor
NT1 bn-800 reactor
NT1 bor-60 reactor
NT1 cdfr reactor
NT1 clinch river breeder reactor
NT1 ebr-1 reactor
NT1 ebr-2 reactor
NT1 enrico fermi-1 reactor
NT1 fftf reactor
NT1 hnpf reactor
NT1 knk reactor
NT1 knk-2 reactor
NT1 lampre-1 reactor
NT1 monju reactor
NT1 pfr reactor
NT1 phenix reactor
NT1 rapsodie reactor
NT1 sbr-5 reactor
NT1 sefor reactor
NT1 ser reactor
NT1 sgr type reactors
NT2 sre reactor
NT1 snap 10 reactor
NT2 s10fs-1 reactor
NT2 s10fs-3 reactor
NT2 s10fs-4 reactor
NT1 snap-tsf reactor
NT1 snaptran reactors
NT1 snr reactor
NT1 snr-2 reactor
NT1 super phenix reactor
NT1 zrr reactor
RT nak cooled reactors

sodium cooled zirconium hydride moderated reactors
Use szr type reactors

SODIUM FLUORIDES
*BT1 fluorides
*BT1 sodium compounds

SODIUM HYDRIDES
*BT1 hydrides
*BT1 sodium compounds

SODIUM HYDROXIDES
UF+ *chlor-alkali industry*
*BT1 hydroxides
*BT1 sodium compounds

sodium iodide detectors
Use nai detectors

SODIUM IODIDES
*BT1 inorganic phosphors
*BT1 iodides
*BT1 sodium compounds

sodium iodohippurate
Use hippuran

SODIUM IONS
*BT1 ions

SODIUM ISOTOPES
BT1 isotopes
NT1 sodium 19
NT1 sodium 20
NT1 sodium 21
NT1 sodium 22

NT1 sodium 23
NT1 sodium 24
NT1 sodium 25
NT1 sodium 26
NT1 sodium 27
NT1 sodium 28
NT1 sodium 29
NT1 sodium 30
NT1 sodium 31
NT1 sodium 32
NT1 sodium 33
NT1 sodium 34
NT1 sodium 35

sodium lauryl sulfates
Use sodium compounds
AND sulfuric acid esters

sodium minerals
Use minerals

sodium n-o-iodobenzoylaminoacetate
Use hippuran

SODIUM NITRATES
*BT1 nitrates
*BT1 sodium compounds

SODIUM NITRIDES
INIS: Feb 1980; ETDE: Dec 1977
*BT1 nitrides
*BT1 sodium compounds

sodium orthoiodohippurate
Use hippuran

SODIUM OXIDES
*BT1 oxides
*BT1 sodium compounds
NT1 sodium tungsten bronze
RT clarkeite
RT oxide minerals

SODIUM PERCHLORATES
*BT1 perchlorates
*BT1 sodium compounds

SODIUM PHOSPHATES
*BT1 phosphates
*BT1 sodium compounds

sodium phosphides
Use phosphides
AND sodium compounds

sodium reactor experiment
Use sre reactor

SODIUM SELENIDES
INIS: Sep 1991; ETDE: Oct 1985
*BT1 selenides
*BT1 sodium compounds

SODIUM SILICATES
*BT1 silicates
*BT1 sodium compounds
RT lavenite
RT lovozerite
RT pollucite
RT silicate minerals

sodium silicides
Use silicides
AND sodium compounds

SODIUM SULFATES
UF *glauber's salt*
*BT1 sodium compounds
*BT1 sulfates
RT sulfate minerals

SODIUM SULFIDES
*BT1 sodium compounds
*BT1 sulfides

SODIUM-SULFUR BATTERIES
INIS: Jun 1996; ETDE: Jan 1975
*BT1 metal-nonmetal batteries

SODIUM TELLURIDES
INIS: Feb 1979; ETDE: Nov 1976
*BT1 sodium compounds
*BT1 tellurides

SODIUM TUNGSTATES
INIS: Oct 1976; ETDE: Jan 1975
*BT1 sodium compounds
*BT1 tungstates

SODIUM TUNGSTEN BRONZE
INIS: Apr 2000; ETDE: Aug 1979
(One of a series of metallic substances consisting of metallic and nonmetallic elements.)
UF *bronze (sodium tungsten)*
*BT1 sodium oxides
*BT1 tungsten oxides
RT perovskites

SODIUM URANATES
*BT1 sodium compounds
*BT1 uranates

sodium-water reactions
Use molten metal-water reactions

sodium(liquid)-water reactions
Use molten metal-water reactions

sofc
Use solid oxide fuel cells

sofia irt-2000 reactor
Use irt-sofia reactor

soft coal
See bituminous coal
OR brown coal
OR lignite

SOFT COMPONENT
*BT1 cosmic radiation

SOFT-CORE POTENTIAL
*BT1 nuclear potential

soft pion theorem
Use low-energy theorem

soft-pion theorem
Use low-energy theorem

soft soldering
Use soldering

SOFT X RADIATION
*BT1 x radiation

SOIL CHEMISTRY
INIS: Mar 1992; ETDE: Mar 1977
BT1 chemistry
RT agriculture
RT biochemistry
RT fertilizers
RT liming
RT soil conservation
RT soils

SOIL CONSERVATION
INIS: Jul 1992; ETDE: Apr 1978
(Management of soils to optimize crop yields while improving soil texture and stability.)
BT1 resource conservation
RT agriculture
RT crops
RT erosion
RT erosion control
RT fertilizers
RT irrigation
RT land reclamation
RT revegetation
RT sewage sludge
RT soil chemistry
RT soil mechanics
RT soils

SOIL MECHANICS
INIS: Mar 1977; ETDE: Aug 1976
(Application of principles of mechanics and geology to quantify the response of soils to environmental forces.)
BT1 mechanics
RT earth crust
RT ground water
RT overburden
RT rock falls
RT rock mechanics
RT sea bed
RT soil conservation
RT soils

SOIL-STRUCTURE INTERACTIONS
INIS: Oct 1984; ETDE: Feb 1984
RT buildings
RT dynamic loads
RT earthquakes
RT engineering geology
RT foundations
RT ground motion
RT mechanical structures
RT seismic effects
RT seismic isolation
RT shock waves

soiling
Use surface contamination

SOILS
UF *sod (soil)*
NT1 loam
RT acid neutralizing capacity
RT aerobacter
RT agriculture
RT alluvial deposits
RT clays
RT ecosystems
RT embankments
RT environmental materials
RT fallout deposits
RT fulvic acids
RT ground water
RT humic acids
RT humus
RT irrigation
RT liming
RT nitrogen fixation
RT peat
RT permafrost
RT plants
RT proteus
RT radionuclide migration
RT roots
RT sand
RT soil chemistry
RT soil conservation
RT soil mechanics
RT terrestrial ecosystems
RT underground

soja bean oil
Use soybean oil

SOL-GEL PROCESS
RT colloids
RT fuel cycle
RT gelation
RT reprocessing

SOLANUM
INIS: Jan 1979; ETDE: Feb 1979
*BT1 magnoliopsida
NT1 solanum tuberosum

SOLANUM TUBEROSUM
UF *potato plant*
*BT1 solanum
RT potatoes

SOLAR ABSORBERS
INIS: Feb 1992; ETDE: Oct 1977
UF *absorbers (solar)*
*BT1 solar equipment
RT antireflection coatings
RT black coatings
RT black liquids
RT black nickel
RT coatings
RT solar collectors
RT solar receivers
RT spectrally selective surfaces

SOLAR ACCESS
INIS: Apr 2000; ETDE: Sep 1980
(The availability of sunlight to solar collectors and other solar energy systems. Prior to September 1980 this concept in ETDE was indexed by SOLAR RIGHTS.)
RT direct solar radiation
RT solar rights

SOLAR ACTIVITY
NT1 faculae
NT1 plages
NT1 solar flares
NT1 solar granulation
NT1 solar prominences
NT1 solar radio bursts
NT1 solar wind
NT1 solar x-ray bursts
NT1 sunspots
RT activity levels
RT solar cycle
RT sun

SOLAR AIR CONDITIONERS
INIS: Apr 2000; ETDE: Jan 1975
BT1 air conditioners
*BT1 solar cooling systems
NT1 solar-assisted heat pumps
RT solar air conditioning
RT vuilleumier cycle

SOLAR AIR CONDITIONING
INIS: Apr 2000; ETDE: Jan 1975
BT1 air conditioning
RT radiative cooling
RT solar air conditioners
RT solar regenerators

SOLAR AIR HEATERS
INIS: Apr 2000; ETDE: Jan 1975
(Solar collectors that use air as heat transfer fluid.)
*BT1 air heaters
*BT1 solar collectors
RT flat plate collectors
RT passive solar heating systems

SOLAR ALPHA PARTICLES
INIS: Nov 1975; ETDE: Aug 1975
(Prior to August 1985 this concept was expressed by coordination of ALPHA PARTICLES and ENERGETIC SOLAR PARTICLES.)
*BT1 alpha particles
*BT1 solar particles

SOLAR ARCHITECTURE
INIS: Mar 1992; ETDE: Dec 1979
(Building design that integrates the thermal, directional, and seasonal aspects of solar radiation.)
BT1 architecture
RT architects
RT buildings
RT passive solar cooling systems
RT passive solar heating systems
RT solar cooling systems
RT solar energy
RT solar heating systems

SOLAR-ASSISTED HEAT PUMPS
INIS: Aug 1992; ETDE: Aug 1976
BT1 heat pumps
*BT1 solar air conditioners
*BT1 solar heating systems
RT ground source heat pumps

SOLAR-ASSISTED POWER SYSTEMS
INIS: Jan 1993; ETDE: Apr 1977
*BT1 power systems
RT heat engines
RT thermal energy storage equipment

SOLAR ATMOSPHERE
*BT1 stellar atmospheres
NT1 chromosphere
NT1 heliosphere
NT1 photosphere
NT1 solar corona
RT sun

solar batteries
Use solar cell arrays

SOLAR BATTERY CHARGERS
INIS: Jul 1992; ETDE: Jan 1976
*BT1 battery chargers
*BT1 solar equipment

SOLAR CELL ARRAYS
INIS: May 1992; ETDE: Jan 1975
UF *solar batteries*
*BT1 solar equipment
NT1 solar tracking systems
RT photovoltaic cells
RT photovoltaic power plants
RT photovoltaic power supplies
RT solar cells

solar cell receivers
Use solar receivers

SOLAR CELLS
*BT1 photovoltaic cells
*BT1 solar equipment
NT1 aluminium arsenide solar cells
NT1 back contact solar cells
NT1 cadmium arsenide solar cells
NT1 cadmium selenide solar cells
NT1 cadmium sulfide solar cells
NT1 cadmium telluride solar cells
NT1 cascade solar cells
NT1 concentrator solar cells
NT1 copper oxide solar cells
NT1 copper selenide solar cells
NT1 copper sulfide solar cells
NT1 gallium arsenide solar cells
NT1 gallium phosphide solar cells
NT1 indium phosphide solar cells
NT1 indium selenide solar cells
NT1 mi solar cells
NT1 mis solar cells
NT1 mos solar cells
NT1 ms solar cells
NT1 organic solar cells
NT1 pis solar cells
NT1 ps solar cells
NT1 schottky barrier solar cells
NT1 selenium solar cells
NT1 silicon arsenide solar cells
NT1 silicon solar cells
NT2 soc solar cells
NT1 zinc phosphide solar cells
NT1 zinc sulfide solar cells
RT combined collectors
RT depletion layer
RT graded band gaps
RT photovoltaic power supplies
RT solar cell arrays
RT solar collectors

solar central receivers
Use central receivers

SOLAR CHIMNEYS
INIS: Apr 2000; ETDE: Nov 1984
BT1 chimneys
RT solar thermal power plants
RT tornado turbines
RT wind turbines

SOLAR COLLECTORS
INIS: Dec 1990; ETDE: Jan 1975
*BT1 solar equipment
NT1 combined collectors
NT1 concentrating collectors
NT2 fixed mirror collectors
NT2 parabolic collectors
NT3 parabolic dish collectors
NT3 parabolic trough collectors
NT2 slat type collectors
NT2 tower focus collectors
NT2 v trough collectors
NT1 evacuated collectors
NT2 evacuated tube collectors
NT1 flat plate collectors
NT2 trickle-type collectors
NT1 inflatable collectors
NT1 solar air heaters
NT1 solar ponds
NT2 roof ponds
NT1 solar tracking systems
NT1 unglazed solar collectors
RT black liquids
RT central receivers
RT f-chart
RT honeycomb structures
RT solar absorbers
RT solar cells
RT solar furnaces
RT solar receivers
RT thermic diode solar panels

SOLAR CONCENTRATORS
INIS: May 1992; ETDE: Oct 1975
*BT1 solar equipment
NT1 cassegrainian concentrators
NT1 compound parabolic concentrators
NT1 luminescent concentrators
NT1 solar reflectors
NT2 fresnel reflectors
NT2 orbital solar reflectors
NT2 parabolic reflectors
NT3 parabolic dish reflectors
NT3 parabolic trough reflectors
RT concentrating collectors
RT concentration ratio
RT concentrator solar cells
RT fresnel lens
RT mirrors

RT solar receivers

SOLAR CONSTANT

INIS: Jan 1979; ETDE: Jan 1975
(Solar energy flux just outside the earth's atmosphere at the earth's mean distance from the sun.)
RT solar radiation

SOLAR CONTROL FILMS

INIS: Apr 2000; ETDE: Feb 1980
BT1 films
RT coatings
RT heat mirrors
RT reflective coatings
RT windows

SOLAR COOKERS

INIS: Apr 2000; ETDE: Jan 1975
*BT1 solar equipment
RT solar cooking

SOLAR COOKING

INIS: Apr 2000; ETDE: Jan 1975
RT solar cookers
RT solar heating

SOLAR COOLING SYSTEMS

INIS: Sep 1994; ETDE: Jul 1977
*BT1 solar equipment
NT1 passive solar cooling systems
NT2 bead walls
NT2 drum walls
NT2 roof ponds
NT1 solar air conditioners
NT2 solar-assisted heat pumps
NT1 solar refrigerators
RT cold storage
RT solar architecture

SOLAR CORONA

UF *corona (solar)*
*BT1 solar atmosphere
*BT1 stellar coronae
RT solar prominences
RT solar wind
RT sun

SOLAR CYCLE

RT international solar maximum year
RT solar activity
RT sun
RT sunspots

SOLAR DISTILLATION

INIS: Apr 1984; ETDE: Jan 1975
(Until July 1999 this information was indexed by SOLAR ENERGY and DISTILLATION.)
*BT1 distillation
RT solar process heat
RT solar stills

SOLAR DISTRICT HEATING

INIS: Apr 2000; ETDE: Sep 1979
(District heating using a solar source for all or part of the heat supply.)
*BT1 district heating
*BT1 solar heating
RT central heating plants
RT solar heating systems
RT solar space heating

solar domestic water heating

Use solar water heating

SOLAR DRYERS

INIS: Apr 2000; ETDE: Jan 1975
(Dryers using a solar heat source, primarily used for crop drying. For wood drying, use solar kilns.)
BT1 dryers
*BT1 solar equipment
RT solar furnaces
RT solar process heat

SOLAR DRYING

INIS: Oct 1976; ETDE: Nov 1975
BT1 drying
RT solar heating
RT solar process heat

SOLAR ELECTRIC PROPULSION

INIS: Apr 2000; ETDE: Jan 1975
BT1 propulsion

solar electron events

Use solar electrons

SOLAR ELECTRONS

INIS: Jan 1976; ETDE: Aug 1975
(Prior to August 1985 this concept was expressed by coordination of ELECTRONS and ENERGETIC SOLAR PARTICLES.)
UF *solar electron events*
*BT1 electrons
*BT1 solar particles

SOLAR ENERGY

BT1 energy
*BT1 renewable energy sources
RT national renewable energy laboratory
RT solar architecture
RT solar heating
RT solar industry
RT solar radiation
RT solar rights
RT sun

SOLAR ENERGY CONVERSION

INIS: Dec 1991; ETDE: Jan 1975
*BT1 energy conversion
NT1 ocean thermal energy conversion
NT1 solar thermal conversion
RT photoelectrolysis

solar energy information data bank

Use seidb

solar energy research institute

Use national renewable energy laboratory

SOLAR EQUIPMENT

INIS: Feb 1992; ETDE: Mar 1980
BT1 equipment
NT1 heliostats
NT2 solar tracking systems
NT1 photovoltaic power supplies
NT1 pyranometers
NT1 pyrheliometers
NT1 solar absorbers
NT1 solar battery chargers
NT1 solar cell arrays
NT2 solar tracking systems
NT1 solar cells
NT2 aluminium arsenide solar cells
NT2 back contact solar cells
NT2 cadmium arsenide solar cells
NT2 cadmium selenide solar cells
NT2 cadmium sulfide solar cells
NT2 cadmium telluride solar cells
NT2 cascade solar cells
NT2 concentrator solar cells
NT2 copper oxide solar cells
NT2 copper selenide solar cells
NT2 copper sulfide solar cells
NT2 gallium arsenide solar cells
NT2 gallium phosphide solar cells
NT2 indium phosphide solar cells
NT2 indium selenide solar cells
NT2 mi solar cells
NT2 mis solar cells
NT2 mos solar cells
NT2 ms solar cells
NT2 organic solar cells
NT2 pis solar cells
NT2 ps solar cells
NT2 schottky barrier solar cells
NT2 selenium solar cells
NT2 silicon arsenide solar cells
NT2 silicon solar cells
NT3 soc solar cells
NT2 zinc phosphide solar cells
NT2 zinc sulfide solar cells
NT1 solar collectors
NT2 combined collectors
NT2 concentrating collectors
NT3 fixed mirror collectors
NT3 parabolic collectors
NT4 parabolic dish collectors
NT4 parabolic trough collectors
NT3 slat type collectors
NT3 tower focus collectors
NT3 v trough collectors
NT2 evacuated collectors
NT3 evacuated tube collectors
NT2 flat plate collectors
NT3 trickle-type collectors
NT2 inflatable collectors
NT2 solar air heaters
NT2 solar ponds
NT3 roof ponds
NT2 solar tracking systems
NT2 unglazed solar collectors
NT1 solar concentrators
NT2 cassegrainian concentrators
NT2 compound parabolic concentrators
NT2 luminescent concentrators
NT2 solar reflectors
NT3 fresnel reflectors
NT3 orbital solar reflectors
NT3 parabolic reflectors
NT4 parabolic dish reflectors
NT4 parabolic trough reflectors
NT1 solar cookers
NT1 solar cooling systems
NT2 passive solar cooling systems
NT3 bead walls
NT3 drum walls
NT3 roof ponds
NT2 solar air conditioners
NT3 solar-assisted heat pumps
NT2 solar refrigerators
NT1 solar dryers
NT1 solar furnaces
NT1 solar heating systems
NT2 passive solar heating systems
NT3 bead walls
NT3 direct gain systems
NT3 drum walls
NT3 roof ponds
NT3 thermic diode solar panels
NT3 trombe walls
NT3 water walls
NT2 solar-assisted heat pumps
NT1 solar kilns
NT1 solar regenerators
NT1 solar simulators
NT1 solar stills
NT1 solar water heaters
NT2 passive solar water heaters
NT3 thermic diode solar panels
NT1 solar water pumps
NT1 spectrally selective surfaces
RT photoelectrochemical cells
RT thermal energy storage equipment

SOLAR FLARES

BT1 solar activity
*BT1 stellar flares
RT chromosphere
RT forbush decrease

RT magnetic reconnection
RT solar particles
RT solar radiation
RT solar radio bursts
RT solar wind
RT solar x-ray bursts
RT space flight
RT sun
RT sunspots
RT supersonic transport

SOLAR FLUX

INIS: Apr 1992; ETDE: Jan 1975
BT1 radiation flux
NT1 diffuse solar radiation
NT1 direct solar radiation
RT insolation
RT pyrheliometers
RT shading
RT solar radiation
RT solar simulators

SOLAR FRACTION

INIS: Apr 2000; ETDE: May 1981
(Ratio of solar contribution to net thermal load.)
RT energy conservation
RT heat gain
RT heating load

SOLAR FURNACES

BT1 furnaces
*BT1 solar equipment
RT cnrs solar facility
RT solar collectors
RT solar dryers
RT solar process heat
RT white sands solar facility

SOLAR GRANULATION

UF *granulation (solar)*
UF *supergranulation*
BT1 solar activity
RT photosphere
RT sun

SOLAR HEAT ENGINES

INIS: May 1992; ETDE: Jan 1975
*BT1 heat engines
RT brayton cycle power systems
RT nitinol heat engines
RT regeneration
RT regenerators
RT solar thermal conversion
RT stirling engines

SOLAR HEATING

INIS: Sep 1992; ETDE: Jan 1975
(Until September 1992, this concept was indexed by HEATING and SOLAR ENERGY.)
BT1 heating
NT1 solar district heating
NT1 solar space heating
NT1 solar water heating
RT cooling load
RT heating load
RT solar cooking
RT solar drying
RT solar energy

SOLAR HEATING SYSTEMS

INIS: Aug 1992; ETDE: Nov 1975
SF *freeze-cycle system*
*BT1 heating systems
*BT1 solar equipment
NT1 passive solar heating systems
NT2 bead walls
NT2 direct gain systems
NT2 drum walls
NT2 roof ponds
NT2 thermic diode solar panels
NT2 trombe walls
NT2 water walls
NT1 solar-assisted heat pumps
RT f-chart
RT solar architecture
RT solar district heating
RT solar process heat
RT solar space heating

SOLAR INDUSTRY

INIS: Jan 1993; ETDE: Dec 1977
BT1 industry
RT solar energy

SOLAR KILNS

INIS: Apr 2000; ETDE: Jan 1975
BT1 kilns
*BT1 solar equipment
RT drying
RT solar process heat

solar models

Use star models

SOLAR NEBULA

BT1 nebulae
RT cosmological models
RT protoplanets
RT solar system evolution

SOLAR NEUTRINOS

INIS: Nov 1975; ETDE: Jul 1975
(Prior to August 1985 this concept was expressed by coordination of ENERGETIC SOLAR PARTICLES and NEUTRINOS.)
*BT1 neutrinos
*BT1 solar particles

SOLAR NEUTRONS

INIS: Jul 1976; ETDE: Apr 1976
(Prior to August 1985 this concept was expressed by coordination of ENERGETIC SOLAR PARTICLES and NEUTRONS.)
*BT1 neutrons
*BT1 solar particles

solar occultation

Use eclipse

solar one power plant

Use barstow solar pilot plant

SOLAR PARTICLES

(Prior to December 1985 SOLAR RADIATION was used for this concept except where ENERGETIC SOLAR PARTICLES was appropriate.)
UF *energetic solar particles*
*BT1 solar radiation
NT1 solar alpha particles
NT1 solar electrons
NT1 solar neutrinos
NT1 solar neutrons
NT1 solar protons
RT polar-cap absorption
RT solar flares

SOLAR PONDS

INIS: Apr 1992; ETDE: Sep 1975
*BT1 ponds
*BT1 solar collectors
NT1 roof ponds
RT inflatable collectors
RT solar water heaters

SOLAR POWER PLANTS

INIS: Jul 1976; ETDE: Jan 1975
BT1 power plants
NT1 ocean thermal power plants
NT1 orbital solar power plants
NT1 photovoltaic power plants
NT1 salinity gradient power plants
NT1 solar thermal power plants
NT2 distributed collector power plants
NT2 tower focus power plants
NT3 barstow solar pilot plant
RT orbital solar reflectors

SOLAR PROCESS HEAT

INIS: Apr 2000; ETDE: Mar 1978
*BT1 process heat
RT solar distillation
RT solar dryers
RT solar drying
RT solar furnaces
RT solar heating systems
RT solar kilns
RT solar stills
RT solar water heaters

SOLAR PROMINENCES

UF *prominences (solar)*
UF *spicules*
BT1 solar activity
RT solar corona
RT sun

solar proton events

Use solar protons

SOLAR PROTONS

INIS: Nov 1975; ETDE: Jul 1975
(Prior to August 1985 this concept was expressed by coordination of ENERGETIC SOLAR PARTICLES and PROTONS.)
UF *solar proton events*
UF *spe*
*BT1 protons
*BT1 solar particles

SOLAR RADIATION

*BT1 stellar radiation
NT1 diffuse solar radiation
NT1 direct solar radiation
NT1 solar particles
NT2 solar alpha particles
NT2 solar electrons
NT2 solar neutrinos
NT2 solar neutrons
NT2 solar protons
NT1 solar radiowave radiation
RT cosmic radiation
RT daylighting
RT insolation
RT pyranometers
RT solar constant
RT solar energy
RT solar flares
RT solar flux
RT solar radio bursts
RT solar wind
RT solar x-ray bursts
RT sun
RT sun charts
RT zodiacal light

SOLAR RADIO BURSTS

*BT1 radiowave radiation
BT1 solar activity
RT magnetic reconnection
RT radioastronomy
RT solar flares
RT solar radiation
RT solar radiowave radiation
RT sun

SOLAR RADIOWAVE RADIATION

INIS: Mar 1976; ETDE: Aug 1975
*BT1 radiowave radiation

*BT1 solar radiation
RT solar radio bursts

SOLAR RECEIVERS

INIS: May 1992; ETDE: Sep 1979
(Systems designed to receive concentrated sunlight and convert it to some other energy form. They incorporate an absorber or a concentrator solar cell assembly.)
UF *receivers (solar)*
UF *solar cell receivers*
UF *solar thermal receivers*
NT1 cavity receivers
NT1 central receivers
NT1 external receivers
RT concentrating collectors
RT concentrator solar cells
RT solar absorbers
RT solar collectors
RT solar concentrators
RT solar thermal conversion

SOLAR REFLECTORS

INIS: Jul 1992; ETDE: Jan 1975
*BT1 solar concentrators
NT1 fresnel reflectors
NT1 orbital solar reflectors
NT1 parabolic reflectors
NT2 parabolic dish reflectors
NT2 parabolic trough reflectors
RT mirrors
RT optical systems

SOLAR REFRIGERATION

INIS: Sep 1994; ETDE: Jan 1975
*BT1 refrigeration
RT solar refrigerators

SOLAR REFRIGERATORS

INIS: Sep 1994; ETDE: Jan 1975
BT1 refrigerators
*BT1 solar cooling systems
RT solar refrigeration

SOLAR REGENERATORS

INIS: Apr 2000; ETDE: Jul 1979
(Systems or devices for regenerating absorbent solutions by solar heating; used in absorption solar air conditioning.)
BT1 regenerators
*BT1 solar equipment
RT solar air conditioning

SOLAR REPOWERING

INIS: Apr 2000; ETDE: Oct 1980
(The adaptation of a solar thermal steam supply system into an existing thermal power plant. Prior to October 1980 this concept in ETDE was indexed by RETROFITTING.)
SF *repowering*
RT fossil-fuel power plants
RT retrofitting
RT solar thermal power plants

SOLAR RIGHTS

INIS: Apr 2000; ETDE: Apr 1978
(The legal right to solar access.)
RT laws
RT legal aspects
RT ownership
RT solar access
RT solar energy

solar sea power plants

Use ocean thermal power plants

SOLAR SIMULATORS

INIS: Apr 2000; ETDE: Dec 1975
(Equipment to simulate the solar flux for test purposes.)
*BT1 simulators
*BT1 solar equipment
RT insolation
RT solar flux

SOLAR SPACE HEATING

INIS: Sep 1992; ETDE: Jan 1975
*BT1 solar heating
*BT1 space heating
RT solar district heating
RT solar heating systems

SOLAR STILLS

INIS: Apr 2000; ETDE: Jan 1975
(Distillation apparatuses that use solar radiation heating to evaporate the water. Can be used for water purification or desalting.)
BT1 evaporators
*BT1 solar equipment
RT solar distillation
RT solar process heat

SOLAR SYSTEM

RT asteroids
RT comets
RT halley comet
RT interplanetary space
RT meteoroids
RT planets
RT solar system evolution
RT sun

SOLAR SYSTEM EVOLUTION

(From November 1975 till March 1997 PLANETARY EVOLUTION was a valid ETDE descriptor.)
UF *planetary evolution*
BT1 evolution
RT planet-system accretion
RT protoplanets
RT solar nebula
RT solar system
RT star evolution

SOLAR THERMAL CONVERSION

INIS: Apr 1992; ETDE: Sep 1981
(Use for overviews of solar thermal program.)
*BT1 solar energy conversion
RT solar heat engines
RT solar receivers
RT solar thermal power plants

SOLAR THERMAL POWER PLANTS

INIS: Mar 1992; ETDE: Jan 1975
*BT1 solar power plants
*BT1 thermal power plants
NT1 distributed collector power plants
NT1 tower focus power plants
NT2 barstow solar pilot plant
RT solar chimneys
RT solar repowering
RT solar thermal conversion

solar thermal receivers

Use solar receivers

solar thermal test facility

Use central receiver test facility

SOLAR TRACKING

INIS: Apr 2000; ETDE: Jan 1975
NT1 solar tracking systems
RT control equipment
RT heliostats
RT tilt mechanisms

SOLAR TRACKING SYSTEMS

INIS: Apr 2000; ETDE: Feb 1983
*BT1 heliostats
*BT1 solar cell arrays
*BT1 solar collectors
BT1 solar tracking

SOLAR WATER HEATERS

INIS: Apr 1992; ETDE: Jan 1975
SF *freeze-cycle system*
*BT1 solar equipment
*BT1 water heaters
NT1 passive solar water heaters
NT2 thermic diode solar panels
RT f-chart
RT solar ponds
RT solar process heat
RT solar water heating

SOLAR WATER HEATING

INIS: Sep 1992; ETDE: Dec 1977
(Use for solar domestic water heating; not for process hot water.)
UF *solar domestic water heating*
*BT1 solar heating
*BT1 water heating
RT solar water heaters

SOLAR WATER PUMPS

INIS: Apr 1992; ETDE: Jan 1975
*BT1 solar equipment
*BT1 water pumps

SOLAR WIND

BT1 solar activity
*BT1 stellar winds
RT chapman-ferraro problem
RT expansion
RT forbush decrease
RT geocorona
RT loss cone
RT magnetosheath
RT plasma
RT radiation pressure
RT solar corona
RT solar flares
RT solar radiation
RT sun

SOLAR X-RAY BURSTS

BT1 solar activity
RT magnetic reconnection
RT solar flares
RT solar radiation
RT sun
RT x radiation

SOLAS CONVENTION

(London Convention on Safety of Life at Sea)
UF *london safety of life at sea convention*
UF *safety of life at sea convention*
UF *sea, safety of life at, convention*
*BT1 international agreements
RT civil liability
RT nuclear ships
RT recommendations
RT regulations

solder fluxes

Use metallurgical flux

SOLDERED JOINTS

BT1 joints
RT soldering

SOLDERING

UF *soft soldering*
*BT1 welding
RT brazing
RT soldered joints

soldering fluxes

Use metallurgical flux

SOLENOIDS

UF *inductors*

UF+ *superconducting solenoids*
*BT1 electric coils
RT actuators
RT magnet coils

SOLFATARAS

INIS: Apr 2000; ETDE: Apr 1975
(Fumaroles, the gases of which are characteristically sulfurous.)
BT1 fumaroles

solfrac process

Use enhanced recovery
AND explosive fracturing

SOLID CLUSTERS

UF *clusters (solid)*
RT solids

SOLID ELECTROLYTE FUEL CELLS

INIS: May 1992; ETDE: Apr 1989
(Prior to April 1989 this subject was indexed to HIGH-TEMPERATURE FUELS or FUEL CELLS.)
*BT1 fuel cells
NT1 proton exchange membrane fuel cells
NT1 solid oxide fuel cells

SOLID ELECTROLYTES

INIS: Oct 1981; ETDE: May 1979
BT1 electrolytes
RT electric batteries
RT fuel cells

SOLID FUELS

BT1 fuels
NT1 alloy nuclear fuels
NT1 briquets
NT1 dispersion nuclear fuels
NT1 mixed carbide fuels
NT1 mixed nitride fuels
NT1 mixed oxide fuels
NT1 peat
RT bark
RT biomass
RT charcoal
RT coal
RT coke
RT pulverized fuels
RT wood

SOLID HOMOGENEOUS REACTORS

*BT1 homogeneous reactors
NT1 acpr reactor
NT1 aerojet-general nucleonics reactors
NT1 akr-1 reactor
NT1 anex reactor
NT1 ebor reactor
NT1 nsrr reactor
NT1 pebble bed reactors
NT2 avr reactor
NT2 thtr-300 reactor
NT2 vg-400 reactor
NT2 vgr-50 reactor
NT1 romashka reactor
NT1 shca reactor
NT1 sur-100 series reactor
NT1 treat reactor
NT1 triga type reactors
NT2 afrri reactor
NT2 atpr reactor
NT2 colorado triga-mk-3 reactor
NT2 cornell triga-mk-2 reactor
NT2 dow triga-mk-1 reactor
NT2 fir-1 reactor
NT2 frf-2 reactor
NT2 frn reactor
NT2 gulf triga-mk-3 reactor
NT2 kartini-ppny reactor
NT2 lopra reactor
NT2 nscr reactor
NT2 ostr reactor
NT2 prpr reactor
NT2 pstr reactor
NT2 rtp reactor
NT2 trico reactor
NT2 triga-1-arizona reactor
NT2 triga-1-california reactor
NT2 triga-1-hanford reactor
NT2 triga-1-hanover reactor
NT2 triga-1-heidelberg reactor
NT2 triga-1-michigan reactor
NT2 triga-2 reactor
NT2 triga-2-bandung reactor
NT2 triga-2-bangladesh reactor
NT2 triga-2-dalat reactor
NT2 triga-2-illinois reactor
NT2 triga-2-kansas reactor
NT2 triga-2-ljubljana reactor
NT2 triga-2-mainz reactor
NT2 triga-2-musashi reactor
NT2 triga-2-pavia reactor
NT2 triga-2-pitesti reactor
NT2 triga-2-rikkyo reactor
NT2 triga-2-rome reactor
NT2 triga-2-seoul reactor
NT2 triga-2-vienna reactor
NT2 triga-3-la jolla reactor
NT2 triga-3-munich reactor
NT2 triga-3-salazar reactor
NT2 triga-3-seoul reactor
NT2 triga-brazil reactor
NT2 triga-texas reactor
NT2 triga-veterans reactor
NT2 ucbrr reactor
NT2 uwnr reactor
NT2 wsur reactor

SOLID LUBRICANTS

BT1 lubricants
RT graphite

solid moderated reactor

See graphite moderated reactors

SOLID OXIDE FUEL CELLS

INIS: Apr 2000; ETDE: Sep 1999
UF *sofc*
*BT1 high-temperature fuel cells
*BT1 solid electrolyte fuel cells

SOLID SCINTILLATION DETECTORS

*BT1 scintillation counters
NT1 bgo detectors
NT1 nai detectors
NT1 plastic scintillation detectors
RT glass scintillators
RT inorganic phosphors
RT organic crystal phosphors

SOLID SOLUTIONS

*BT1 solutions
RT alloys
RT austenite
RT ferrite
RT phase diagrams
RT solids
RT superlattices

SOLID STATE LASERS

BT1 lasers
NT1 diode-pumped solid state lasers
NT1 neodymium lasers
NT1 ruby lasers
NT1 semiconductor lasers
RT us national ignition facility

SOLID STATE PHYSICS

INIS: Aug 1976; ETDE: Feb 1976
(Use only for articles of a very broad nature such as an annual research program, etc.)
BT1 physics
RT crystal structure

SOLID-STATE PLASMA

UF *electron-hole plasma*
BT1 plasma
NT1 electron-hole droplets
RT electron gas
RT plasmons

SOLID WASTES

UF *refuse*
SF *emissions (industrial)*
BT1 wastes
NT1 mineral wastes
NT2 culm
NT1 scrap
NT2 scrap metals
NT1 spoil banks
NT1 tailings
NT2 mill tailings
NT2 oil sand tailings
NT1 waste pellets
NT1 wood wastes
RT ashes
RT biological wastes
RT calcined wastes
RT combustion products
RT dredge spoil
RT emissions tax
RT fly ash
RT ground disposal
RT industrial wastes
RT landgard pyrolysis system
RT municipal wastes
RT organic wastes
RT purox pyrolysis process
RT refuse derived fuels
RT spent shales
RT waste disposal
RT waste disposal acts
RT waste forms

SOLIDIFICATION

UF *fixation (waste treatment)*
SF *immobilization (wastes)*
BT1 phase transformations
RT castings
RT ceramic melters
RT crystallization
RT freezing
RT frost
RT harvest process
RT melting
RT segregation
RT solids
RT vitrification
RT waste processing

SOLIDS

RT crystals
RT dispersions
RT glass
RT microstructure
RT nanostructures
RT phase diagrams
RT solid clusters
RT solid solutions
RT solidification
RT structure factors

SOLIDS FLOW

INIS: Feb 1987; ETDE: Apr 1985
BT1 fluid flow
RT hydraulics
RT materials handling

SOLINOX PROCESS
INIS: Apr 2000; ETDE: Dec 1985
- *BT1 desulfurization
- *RT* denitrification

SOLITONS
(Stable, shape preserving and localized solutions of nonlinear classical field equations of recent interest as possible models of extended elementary particles.)
- UF+ *skyrmions*
- BT1 quasi particles
- *RT* baecklund transformation
- *RT* extended particle model
- *RT* field equations
- *RT* instantons
- *RT* phonons
- *RT* shock waves

SOLS
- *BT1 colloids
- **NT1** aerosols
  - **NT2** radioactive aerosols
  - **NT2** smokes
    - **NT3** tobacco smokes
- *RT* solutions

SOLUBILITY
- UF *miscibility*
- *RT* crystallization
- *RT* dissolution
- *RT* leaching
- *RT* mixing
- *RT* precipitation
- *RT* saturation
- *RT* solutes
- *RT* solutions
- *RT* solvent properties
- *RT* solvents
- *RT* supersaturation

SOLUBLE POISONS
- *BT1 nuclear poisons
- *RT* fluid poison control
- *RT* scram

SOLUTES
INIS: May 1986; ETDE: Mar 1982
- UF *dissolved materials*
- UF *dissolved solids*
- **NT1** dissolved gases
- *RT* additives
- *RT* dissolution
- *RT* solubility
- *RT* solutions
- *RT* solvents

SOLUTION HEAT
- UF *heat of solution*
- *BT1 enthalpy
- *RT* mixing heat

SOLUTION MINING
INIS: Jul 1976; ETDE: Feb 1976
- *BT1 in-situ processing
- BT1 mining
- *RT* leaching
- *RT* solvent extraction
- *RT* uranium ores

SOLUTIONS
(For mathematical solutions see ANALYTICAL SOLUTION or NUMERICAL SOLUTION.)
- *BT1 homogeneous mixtures
- **NT1** aqueous solutions
- **NT1** fuel solutions
- **NT1** hypertonic solutions
- **NT1** isotonic solutions
- **NT1** leachates
- **NT1** process solutions
- **NT1** solid solutions
- *RT* brines
- *RT* buffers
- *RT* dilution
- *RT* dissolution
- *RT* organic solvents
- *RT* saturation
- *RT* sols
- *RT* solubility
- *RT* solutes
- *RT* solvents
- *RT* supersaturation

solvatation
Use solvation

SOLVATED ELECTRONS
- UF+ *hydrated electrons*
- *BT1 electrons
- *RT* solvation

SOLVATION
(The chemical union of a dissolved substance and its dissolving liquid.)
- UF *solvatation*
- **NT1** hydration
- *RT* nonaqueous solvents
- *RT* solvated electrons

SOLVENT EXTRACTION
- UF *extraction (solvent)*
- UF *liquid-liquid extraction*
- UF+ *cosorb process*
- SF *arco process*
- *BT1 extraction
- **NT1** phenosolvan process
- **NT1** supercritical gas extraction
- *RT* amex process
- *RT* civex process
- *RT* cmpo
- *RT* counter current
- *RT* crown ethers
- *RT* csrex process
- *RT* dapex process
- *RT* diamex process
- *RT* dissolution
- *RT* distribution functions
- *RT* entrainment
- *RT* eurex process
- *RT* extraction apparatuses
- *RT* hydrometallurgy
- *RT* leachates
- *RT* leaching
- *RT* partition
- *RT* podbielniak contactors
- *RT* purex process
- *RT* redox process
- *RT* reprocessing
- *RT* salting-out agents
- *RT* solution mining
- *RT* solvent properties
- *RT* talspeak process
- *RT* thorex process
- *RT* tramex process
- *RT* truex process
- *RT* zirflex process

SOLVENT PROPERTIES
INIS: Jun 1994; ETDE: Jan 1975
- *RT* dissolution
- *RT* solubility
- *RT* solvent extraction
- *RT* solvents

SOLVENT-REFINED COAL
INIS: Apr 2000; ETDE: Jan 1975
- BT1 fuels
- *RT* coal
- *RT* coal preparation plants
- *RT* lc-fining
- *RT* src process

solvent-refined coal process
Use src process

solvent-refining coal plants
- *See* coal preparation plants
- *OR* src process

SOLVENTS
- UF *diluents*
- UF *polar solvents*
- **NT1** mixed solvents
- **NT1** nonaqueous solvents
  - **NT2** organic solvents
    - **NT3** cellosolves
    - **NT3** solvesso
    - **NT3** turpentine
- *RT* dissolution
- *RT* solubility
- *RT* solutes
- *RT* solutions
- *RT* solvent properties

SOLVESSO
- *BT1 organic solvents
- *RT* aromatics

SOLVOLYSIS
- *BT1 decomposition
- **NT1** acetolysis
- **NT1** ammonolysis
- **NT1** hydrolysis
  - **NT2** acid hydrolysis
  - **NT2** alkaline hydrolysis
  - **NT2** autohydrolysis
  - **NT2** enzymatic hydrolysis
  - **NT2** saccharification
  - **NT2** saponification

SOMALIA
- BT1 africa
- BT1 arab countries
- BT1 developing countries

SOMATIC CELLS
- BT1 animal cells
- **NT1** cho cells
- **NT1** connective tissue cells
  - **NT2** bone cells
  - **NT2** bone marrow cells
  - **NT2** fat cells
  - **NT2** fibroblasts
  - **NT2** lymphocytes
  - **NT2** macrophages
  - **NT2** mast cells
  - **NT2** plasma cells
- **NT1** crypt cells
- **NT1** liver cells
- **NT1** nerve cells
- **NT1** phagocytes
  - **NT2** macrophages
- **NT1** respiratory tract cells
- **NT1** spleen cells
- **NT1** stem cells
- **NT1** thymocytes
- **NT1** thymus cells
- **NT1** thyroid cells

SOMATIC MUTATIONS
- BT1 mutations

SOMATICALLY SIGNIFICANT DOSE
INIS: Jan 1976; ETDE: Nov 1990
- *BT1 radiation doses
- *RT* radiation hazards

SOMATOSTATIN
INIS: May 1980; ETDE: Feb 1979
- UF *growth hormone-release inhibiting factor*
- UF *somatotropin release inhibiting factor*
- *RT* hormones
- *RT* polypeptides
- *RT* sth

somatotropic hormone
Use sth

somatotropin release inhibiting factor
Use somatostatin

SOMMERFELD CONSTANT
- UF *sommerfeld fine structure constant*
- *RT* fine structure

sommerfeld fine structure constant
Use sommerfeld constant

sommerfeld integrals
Use integrals

SOMMERFELD-WATSON THEORY
- UF *watson method*
- *RT* quantum mechanics

SONAR
INIS: Apr 1984; ETDE: Nov 1976
(Until June 1994 this concept was indexed to RANGE FINDERS)
- UF *sound navigation and ranging*
- *BT1 range finders
- *RT* electrical equipment
- *RT* electronic equipment
- *RT* frequency range
- *RT* sound waves

sondes
Use probes

SONIC LOGGING
INIS: Apr 1984; ETDE: Jun 1976
- BT1 well logging
- *RT* acoustic measurements
- *RT* acoustic monitoring
- *RT* seismic sources
- *RT* sonic probes

sonic measurements
Use acoustic measurements

SONIC PROBES
INIS: Aug 1975; ETDE: Oct 1975
- BT1 probes
- *RT* acoustic measurements
- *RT* ion acoustic waves
- *RT* plasma diagnostics
- *RT* sonic logging

SONIC SPARK CHAMBERS
- UF *acoustic spark chambers*
- *BT1 filmless spark chambers

SOOT
INIS: Mar 1983; ETDE: Jul 1976
- BT1 combustion products
- *RT* air pollution
- *RT* carbon compounds
- *RT* coal
- *RT* smokes

SORA REACTOR
- *BT1 fast reactors
- *BT1 pulsed reactors
- *BT1 research reactors
- *RT* neutron sources

SORBENT INJECTION PROCESSES
INIS: Jul 1992; ETDE: Mar 1990
- *BT1 desulfurization
- *RT* adsorbents

SORBENT RECOVERY SYSTEMS
INIS: Mar 1992; ETDE: Jan 1978
(Recovery using sorptive materials.)
- *RT* adsorbents
- *RT* oil spills
- *RT* sorption
- *RT* water pollution control

SORBIC ACID
- *BT1 monocarboxylic acids

SORBITOL
- *BT1 diuretics
- *BT1 monosaccharides
- *RT* sorbose

SORBOSE
- *BT1 hexoses
- *BT1 ketones
- *RT* sorbitol

SOREQ NUCLEAR RESEARCH CENTER
INIS: Nov 1979; ETDE: Nov 1979
- *BT1 israel atomic energy commission

SORGHUM
- *BT1 cereals

SORPTION
INIS: Mar 1992; ETDE: Aug 1976
- **NT1** absorption
  - **NT2** energy absorption
  - **NT2** intestinal absorption
  - **NT2** k absorption
  - **NT2** polar-cap absorption
  - **NT2** resonance absorption
  - **NT2** root absorption
  - **NT2** self-absorption
  - **NT2** skin absorption
- **NT1** adsorption
- **NT1** chemisorption
- **NT1** desorption
- *RT* sorbent recovery systems
- *RT* sorptive properties

SORPTIVE PROPERTIES
- UF *adsorptive properties*
- BT1 surface properties
- *RT* adsorbents
- *RT* adsorption
- *RT* bioadsorbents
- *RT* sorption

SORTING
INIS: Apr 1984; ETDE: Oct 1975
- **NT1** radiometric sorting
- *RT* classification
- *RT* concentrators
- *RT* filters
- *RT* jigs
- *RT* particle size classifiers
- *RT* screening
- *RT* screens
- *RT* separation processes

soulaines plant
Use aube plant

sound
Use sound waves

sound navigation and ranging
Use sonar

SOUND WAVES
(See also FOURTH SOUND, SECOND SOUND, and THIRD SOUND.)
- UF *first sound*
- UF *sound*
- **NT1** ultrasonic waves
- *RT* acoustic agglomerators
- *RT* acoustic detection
- *RT* acoustic esr
- *RT* acoustic measurements
- *RT* acoustic monitoring
- *RT* acoustic nmr
- *RT* acoustic radar
- *RT* acoustics
- *RT* fifth sound
- *RT* fourth sound
- *RT* frequency mixing
- *RT* harmonic generation
- *RT* ion acoustic waves
- *RT* magnetoacoustics
- *RT* second sound
- *RT* seismic sources
- *RT* signal distortion
- *RT* sonar
- *RT* speech
- *RT* speech synthesizers
- *RT* third sound
- *RT* zero sound

soundproofing
Use acoustic insulation

sour crude oil
Use sour crudes

SOUR CRUDES
INIS: Mar 1993; ETDE: Mar 1976
(Crude oils containing an abnormally large amount of sulfur and sulfur compounds.)
- UF *high-sulfur crude oil*
- UF *sour crude oil*
- *BT1 petroleum
- *RT* hydrogen sulfides
- *RT* sulfur

SOURCE ROCKS
INIS: Apr 2000; ETDE: Nov 1981
- *RT* reservoir rock
- *RT* rocks

SOURCE TERMS
INIS: Nov 1985; ETDE: Dec 1985
(Activities and amounts of the different radionuclides per unit time leaving a nuclear installation or facility and entering the environment, as during a severe reactor accident.)
- *RT* containment
- *RT* fission product release
- *RT* fission products
- *RT* meltdown
- *RT* radiation doses
- *RT* reactor accidents
- *RT* risk assessment

SOUTH AFRICA
- BT1 africa
- BT1 developed countries
- **NT1** transvaal
- *RT* namibia

south africa nac cyclotron
Use nac cyclotron

SOUTH AFRICAN ORGANIZATIONS
INIS: May 1987; ETDE: Apr 1976
BT1 national organizations

SOUTH ALLIGATOR DEPOSIT
INIS: Jul 1978; ETDE: Aug 1978
*BT1 uranium deposits
RT northern territory
RT uranium ores

SOUTH AMERICA
BT1 latin america
NT1 argentina
NT2 mendoza
NT1 bolivia
NT2 chacaltaya
NT1 brazil
NT1 chile
NT1 colombia
NT1 ecuador
NT1 french guiana
NT1 guyana
NT1 paraguay
NT1 peru
NT1 surinam
NT1 uruguay
NT1 venezuela

south american fruit fly
Use anastrepha

SOUTH ATLANTIC BIGHT
INIS: Apr 2000; ETDE: Aug 1980
(The portion of the Atlantic Ocean overlying the continental shelf off North Carolina, South Carolina, Georgia, and Florida.)
*BT1 atlantic ocean
RT coastal waters
RT continental shelf
RT mid-atlantic bight
RT onslow bay

SOUTH AUSTRALIA
*BT1 australia
RT olympic dam mine
RT roxby downs deposit

SOUTH CAROLINA
*BT1 usa
RT santee river
RT savannah river
RT savannah river plant
RT us east coast

south china sea
Use china sea

SOUTH DAKOTA
*BT1 usa
NT1 table mountain area
RT missouri river
RT williston basin

south haven michigan reactor
Use palisades-1 reactor

south korea
Use republic of korea

SOUTH TEXAS PROJECT-1 REACTOR
(Bay City, Texas, USA)
*BT1 pwr type reactors

SOUTH TEXAS PROJECT-2 REACTOR
(Bay City, Texas, USA)
*BT1 pwr type reactors

SOUTH UKRAINIAN-1 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
(Ukraine)
*BT1 wwer type reactors

SOUTH UKRAINIAN-2 REACTOR
INIS: Feb 1989; ETDE: Dec 1988
(Ukraine)
*BT1 wwer type reactors

SOUTH UKRAINIAN-3 REACTOR
INIS: Jan 1990; ETDE: Feb 1990
(Ukraine)
*BT1 wwer type reactors

south west africa
Use namibia

south yemen
Use yemen

southeast region
Use usa

SOUTHEASTERN POWER ADMINISTRATION
INIS: Apr 2000; ETDE: Mar 1980
UF *sepa*
*BT1 us doe
RT electric power

SOUTHERN HEMISPHERE
INIS: Dec 1986; ETDE: Sep 1980
(Both for the surface and the celestial hemisphere.)
*BT1 earth planet
RT northern hemisphere

southern negros geothermal field
Use palimpinon geothermal field

SOUTHERN OSCILLATION
INIS: Jun 1992; ETDE: Feb 1986
(A periodic barometric pressure fluctuation between the Indian Ocean region and the southeast Pacific Ocean.)
UF *el nino*
RT atmospheric circulation
RT atmospheric pressure
RT indian ocean
RT pacific ocean

SOUTHERN RHODESIA
UF *rhodesia (southern)*
*BT1 zimbabwe

southern yemen
Use yemen

southwest africa
Use namibia

southwest experimental fast oxide reactor
Use sefor reactor

southwest region
Use usa

SOUTHWESTERN POWER ADMINISTRATION
INIS: Oct 1992; ETDE: Mar 1980
UF *swpa*
*BT1 us doe
RT electric power

soviet breeder reactor-1
Use sbr-1 reactor

soviet breeder reactor-2
Use sbr-2 reactor

soviet breeder reactor-5
Use sbr-5 reactor

soviet research reactor irt
Use irt reactor

soviet research reactor irt-c
Use irt-c reactor

soviet research reactor irt-f
Use irt-f reactor

soviet union
See armenia
OR azerbaijan
OR belarus
OR estonia
OR kazakhstan
OR kyrgyzstan
OR latvia
OR lithuania
OR moldova
OR republic of georgia
OR russian federation
OR tajikistan
OR turkmenistan
OR ukraine
OR uzbekistan

SOXAL PROCESS
INIS: Apr 2000; ETDE: Jun 1986
(A regenerative wet scrubbing process which is based on the use of a high ph sodium solution to remove the sulfur oxides from flue gas.)
*BT1 desulfurization
RT waste processing

soy oil
Use soybean oil

SOYBEAN OIL
UF *chinese bean oil*
UF *soja bean oil*
UF *soy oil*
*BT1 triglycerides
*BT1 vegetable oils

soybean plant
Use glycine hispida

SOYBEANS
BT1 seeds
*BT1 vegetables
RT glycine hispida

SP GROUPS
UF *symplectic groups*
*BT1 lie groups

SP LOGGING
INIS: Apr 1984; ETDE: Jun 1976
UF *self-potential logging*
UF *spontaneous potential logging*
*BT1 electric logging

SPACE
NT1 annular space
NT2 toroidal configuration
NT1 extracellular space
NT1 intergalactic space
NT1 interplanetary space
NT1 interstellar space
NT1 mathematical space
NT2 banach space
NT3 hilbert space
NT2 hausdorff space
NT2 minkowski space
NT2 phase space
NT2 riemann space
NT3 euclidean space

RT space flight
RT space vehicles

SPACE CHARGE
UF+ *beam perveance*
RT charge distribution
RT electric charges
RT electron tubes

space-charge layer
Use depletion layer

SPACE DEPENDENCE
(The dependence of any quantity or variable on space coordinates.)
UF *configuration dependence*
UF *geometric sensitivity*
UF *position dependence*
UF *spatial dependence*
SF *azimuth*
RT angular distribution
RT coordinates
RT mathematical space
RT spatial distribution

SPACE FLIGHT
(From October 1980 till March 1997 SPACE TRANSPORT was a valid ETDE descriptor.)
RT apollo project
RT cosmic radiation
RT mars space probes
RT ogo satellites
RT orbiting solar observatories
RT radiation protection
RT reentry
RT rockets
RT satellites
RT solar flares
RT space
RT space shuttles
RT space vehicles
RT venera space probes
RT weightlessness

SPACE GROUPS
UF *groups (space)*
BT1 symmetry groups
RT crystal lattices
RT group theory

SPACE HEATERS
INIS: Nov 1992; ETDE: Jun 1977
*BT1 appliances
BT1 heaters
RT space heating

SPACE HEATING
INIS: Feb 1976; ETDE: Feb 1975
BT1 heating
NT1 auxiliary heating
NT1 baseboard heating
NT1 geothermal space heating
NT1 solar space heating
RT air source heat pumps
RT airtightness
RT annual cycle energy system
RT central heating plants
RT degree days
RT district heating
RT electric heating
RT fireplaces
RT ground source heat pumps
RT heating systems
RT oil furnaces
RT radiant cable heating
RT space heaters
RT water source heat pumps
RT wood burning furnaces

SPACE HVAC SYSTEMS
INIS: Mar 1983; ETDE: Aug 1980
(Heating, ventilation, and air conditioning systems.)
BT1 energy systems
RT air conditioners
RT gas heat pumps
RT heating systems
RT ventilation systems

space lattices
Use crystal lattices

SPACE POWER REACTORS
UF *space power unit reactor*
UF *spur reactor*
*BT1 mobile reactors
*BT1 power reactors
NT1 snap reactors
NT2 snap 10 reactor
NT3 s10fs-1 reactor
NT3 s10fs-3 reactor
NT3 s10fs-4 reactor
NT2 snap 2 reactor
NT3 s2ds reactor
NT2 snap 50 reactor
NT2 snap 8 reactor
NT3 s8dr reactor
NT3 s8er reactor
NT1 space propulsion reactors
NT2 kiwi reactors
NT3 kiwi-tnt reactor
NT2 nerva reactor
NT2 nrx-a1 reactor
NT2 nrx-a2 reactor
NT2 nrx-a3 reactor
NT2 nrx-a4-est reactor
NT2 nrx-a5 reactor
NT2 nrx-a6 reactor
NT2 nrx-a7 reactor
NT2 pewee-1 reactor
NT2 pewee-2 reactor
NT2 pewee-3 reactor
NT2 pewee-4 reactor
NT2 phoebus-1a reactor
NT2 phoebus-1b reactor
NT2 phoebus-2a reactor
NT2 rover reactors
NT2 twmr reactor
NT2 xe-2 reactor

space power unit reactor
Use space power reactors

SPACE PROPULSION REACTORS
*BT1 propulsion reactors
*BT1 space power reactors
NT1 kiwi reactors
NT2 kiwi-tnt reactor
NT1 nerva reactor
NT1 nrx-a1 reactor
NT1 nrx-a2 reactor
NT1 nrx-a3 reactor
NT1 nrx-a4-est reactor
NT1 nrx-a5 reactor
NT1 nrx-a6 reactor
NT1 nrx-a7 reactor
NT1 pewee-1 reactor
NT1 pewee-2 reactor
NT1 pewee-3 reactor
NT1 pewee-4 reactor
NT1 phoebus-1a reactor
NT1 phoebus-1b reactor
NT1 phoebus-2a reactor
NT1 rover reactors
NT1 twmr reactor
NT1 xe-2 reactor
RT fissioning plasma
RT hydrogen cooled reactors

space reflection
Use p invariance

SPACE SHUTTLES
INIS: Feb 1983; ETDE: Sep 1979
BT1 aircraft
*BT1 space vehicles
RT space flight

SPACE-TIME
UF *spacetime*
NT1 light cone
RT compactification
RT cosmological constant
RT cosmology
RT galilei transformations
RT inflationary universe
RT lorentz transformations
RT mach principle
RT mathematical space
RT metrics
RT relativity theory
RT twistor theory

SPACE-TIME MODEL
INIS: Dec 1982; ETDE: Mar 1977
(Particle-interaction model in which particles at the instant of creation are immature or bare and their maturity rate is enhanced in the presence of other hadronic matter, as in a nucleus.)
*BT1 cluster emission model
RT hadron reactions

space transport
Use transport

space vehicle components
Use space vehicles

SPACE VEHICLES
(From January 1975 till March 1997 NOSE CONES was a valid ETDE descriptor; from August 1976 till March 1997 SPACE VEHICLE COMPONENTS was a valid ETDE descriptor; from October1980 till March 1997 SPACE TRANSPORT was a valid ETDE descriptor.)
UF *space vehicle components*
SF *nose cones*
BT1 vehicles
NT1 luna space probes
NT1 mariner space probes
NT1 mars space probes
NT1 mir orbital station
NT1 pioneer space probes
NT1 reentry vehicles
NT1 salyut orbital stations
NT1 space shuttles
NT1 vega space probes
NT1 venera space probes
NT1 viking space probes
NT1 voyager space probes
RT aerospace industry
RT electronic guidance
RT ionosondes
RT launching
RT navigational instruments
RT reentry
RT rockets
RT satellites
RT space
RT space flight
RT spacecraft power supplies
RT thrusters

SPACE WEAPONS
INIS: Apr 2000; ETDE: Nov 1984
UF *anti-missile systems*
UF *anti-satellite systems*

RT ballistic missile defense
RT directed-energy weapons
RT national defense

SPACECRAFT POWER SUPPLIES
*BT1 power supplies
RT electric power
RT radioisotope batteries
RT space vehicles

SPACERS
RT fins
RT fuel element clusters
RT reactor components

spacetime
Use space-time

spadns
Use sulfones
AND sulfonic acids

SPAIN
BT1 developing countries
*BT1 western europe
NT1 canary islands
RT bay of biscay
RT oecd

SPALLATION
(High-energy nuclear reaction resulting in the release of numerous nucleons, alpha particles or heavier nuclei as reaction products; not to be used for fission.)
BT1 nuclear reactions
RT fission
RT nuclear fireball model
RT nuclear fragmentation
RT nuclear fragments
RT rudstam formula
RT spallation fragments

SPALLATION FRAGMENTS
INIS: Nov 1978; ETDE: Dec 1978
UF *fragments (spallation)*
UF *spallation products*
BT1 nuclear fragments
RT spallation

spallation products
Use spallation fragments

spanish jen-1 research reactor
Use jen-1 reactor

spanish jen-2 research reactor
Use jen-2 reactor

SPANISH ORGANIZATIONS
INIS: Apr 1977; ETDE: Jun 1977
BT1 national organizations

SPARGERS
INIS: Jan 1977; ETDE: Jan 1975
(Liquid distribution devices consisting of lengths of piping or tubing with holes at spaced intervals along the length.)
UF *perforated pipe distributors*
RT sprays

SPARK CHAMBERS
*BT1 gas track detectors
NT1 filmless spark chambers
NT2 sonic spark chambers
NT2 wire spark chambers
NT1 projection spark chambers
NT1 streamer spark chambers
NT1 wide gap spark chambers
RT digitizers
RT spark counters

SPARK COUNTERS
UF *rosenblum counters*
*BT1 radiation detectors
RT corona counters
RT spark chambers

SPARK DRILLS
INIS: Apr 2000; ETDE: Jul 1976
*BT1 drills
RT drill bits
RT electric sparks
RT rock drilling
RT well drilling

SPARK GAPS
RT breakdown
RT electric discharges
RT electric sparks
RT paschen law

SPARK IGNITION ENGINES
INIS: May 1992; ETDE: May 1975
*BT1 internal combustion engines
NT1 wankel engines
RT automobiles
RT carburetors
RT combustion
RT combustion chambers
RT fuel injection systems
RT gasoline

SPARK MACHINING
BT1 machining

SPARK MASS SPECTROMETERS
*BT1 mass spectrometers

sparks (electric)
Use electric sparks

SPARTICLES
INIS: Dec 1987; ETDE: Mar 1988
UF *supersymmetric particles*
*BT1 postulated particles

spatial dependence
Use space dependence

SPATIAL DISTRIBUTION
(Use for the distribution of any property or quantity in space, e.g. density or particle velocity.)
UF *radial distribution*
UF+ *depth distribution*
BT1 distribution
NT1 mass distribution
RT angular distribution
RT charge distribution
RT plasma radial profiles
RT space dependence
RT temperature distribution

SPATIAL DOSE DISTRIBUTIONS
UF *distribution factor (rad doses)*
UF+ *absorbed fraction (internal irradiation)*
UF+ *effective energy (internal irradiation)*
BT1 radiation dose distributions
NT1 depth dose distributions
RT buildup
RT integral doses
RT irradiation procedures
RT isodose curves
RT local irradiation
RT microdosimetry
RT nonuniform irradiation
RT partial body irradiation

SPATIAL RESOLUTION
BT1 resolution

spe
Use solar protons

speakeasy
Use programming languages

SPEAR
(Stanford Positron-Electron Asymmetric Ring)
BT1 storage rings

special power excursion reactor-1
Use spert-1 reactor

special power excursion reactor-2
Use spert-2 reactor

special power excursion reactor-3
Use spert-3 reactor

special power excursion reactor-4
Use spert-4 reactor

SPECIAL PRODUCTION REACTORS
(For producing fissile materials such as uranium 233, californium 252, thorium 232, etc. See also PLUTONIUM PRODUCTION REACTORS.)
*BT1 production reactors
NT1 c reactor
NT1 k reactor
NT1 l reactor
NT1 p reactor
NT1 r reactor

special relativity theory
Use relativity theory

speciation (biological)
Use biological evolution

speciation (chemical)
Use chemical state

SPECIES DIVERSITY
INIS: Dec 1991; ETDE: Jan 1978
UF *biodiversity*
RT animals
RT baseline ecology
RT biological extinction
RT ecological succession
RT ecology
RT ecosystems
RT plants
RT populations

specific gravity
Use density

SPECIFIC HEAT
UF *heat capacity*
*BT1 thermodynamic properties
NT1 electronic specific heat
NT1 magnetic specific heat
NT1 nuclear specific heat
RT born-von karman theory
RT debye temperature
RT grueneisen constant

SPECIFIC SURFACE AREA
INIS: Sep 1982; ETDE: Mar 1991
(Surface area per unit weight or volume of a particulate solid.)
UF *surface area (specific)*
BT1 physical properties
RT powders

specific volume
Use density

specific weight
Use density

SPECIFICATIONS
UF *design (technical specifications)*
UF *technical specifications*
RT camac system
RT design
RT engineering drawings
RT inspection
RT modifications
RT patents
RT quality control
RT reliability
RT standardization
RT standards

SPECIFICITY
(The qualitative attribute of accurately distinguishing among different materials, properties, radiations, etc. as compared with the quantitative aspect of the threshold for detecting a given material, property, etc.; for which see SENSITIVITY.)
RT accuracy
RT sensitivity

specimen holders
Use sample holders

spect
Use single photon emission computed tomography

SPECTRA
NT1 absorption spectra
NT1 alpha spectra
NT1 beta spectra
NT1 deuteron spectra
NT1 electron spectra
NT1 emission spectra
NT1 energy spectra
NT1 fission spectra
NT1 gamma spectra
NT1 infrared spectra
NT1 mass spectra
NT1 microwave spectra
NT1 missing-mass spectra
NT1 neutron spectra
NT2 watt fission spectrum
NT1 nmr spectra
NT1 proton spectra
NT1 raman spectra
NT1 ultraviolet spectra
NT2 extreme ultraviolet spectra
NT1 visible spectra
NT1 x-ray spectra
RT balmer lines
RT eddington theory
RT fine structure
RT fraunhofer lines
RT hyperfine structure
RT line broadening
RT line narrowing
RT line widths
RT lyman lines
RT multispectral scanners
RT particle multiplets
RT paschen lines
RT raman effect
RT rydberg-klein-rees method
RT schumann-runge bands
RT spectral response
RT spectral shift

spectra (absorption)
Use absorption spectra

spectra (fission)
Use fission spectra

spectra (neutron)
Use neutron spectra

SPECTRA UNFOLDING
*BT1 data processing
RT neutron spectra

spectral broadening
Use line broadening

SPECTRAL DENSITY
UF *density (spectral)*
*BT1 spectral functions
RT energy spectra

spectral flame radiance
Use emissivity

SPECTRAL FUNCTIONS
BT1 functions
NT1 spectral density
RT dispersion relations

SPECTRAL HARDENING
UF *hardening (spectral)*
RT neutron spectra

spectral narrowing
Use line narrowing

SPECTRAL REFLECTANCE
INIS: Apr 1984; ETDE: Oct 1978
(The radiant reflectance for a specified wavelength of the incident radiant flux. Until June 1994 this concept was indexed to OPTICAL PROPERTIES)
UF *reflectance (spectral)*
*BT1 optical properties
RT absorptivity
RT reflectivity
RT spectrally selective surfaces

SPECTRAL RESPONSE
INIS: Jan 1977; ETDE: Jun 1977
RT efficiency
RT energy dependence
RT energy spectra
RT performance
RT sensitivity
RT spectra

SPECTRAL SHIFT
UF *isotope shift*
UF *isotopic shift*
NT1 lamb shift
RT chemical shift
RT doppler effect
RT einstein effect
RT knight effect
RT knight shift
RT spectra
RT stark effect
RT zeeman effect

SPECTRAL SHIFT CONTROL
(Type of moderator control in which the neutron spectrum is intentionally changed.)
*BT1 configuration control

SPECTRALLY SELECTIVE SURFACES
INIS: Apr 2000; ETDE: Nov 1975
*BT1 solar equipment
BT1 surfaces
RT black coatings
RT solar absorbers
RT spectral reflectance

spectrochemistry
See absorption spectroscopy
OR emission spectroscopy

SPECTROMETERS
BT1 measuring instruments
NT1 alpha spectrometers
NT1 beta spectrometers
NT1 cosmic ray spectrometers
NT1 electron spectrometers
NT1 electrostatic spectrometers
NT1 epr spectrometers
NT1 fission fragment spectrometers
NT1 fourier transform spectrometers
NT1 gamma spectrometers
NT2 compton spectrometers
NT2 moessbauer spectrometers
NT2 pair spectrometers
NT1 heavy ion spectrometers
NT1 infrared spectrometers
NT2 photoacoustic spectrometers
NT1 magnetic spectrometers
NT2 flat magnetic spectrometers
NT2 magnetic lens spectrometers
NT1 mass spectrometers
NT2 dynamic mass spectrometers
NT3 energy balance mass spectrometers
NT3 time-of-flight mass spectrometers
NT2 spark mass spectrometers
NT2 static mass spectrometers
NT1 missing-mass spectrometers
NT1 multiparticle spectrometers
NT1 neutral particle analyzers
NT1 neutron spectrometers
NT2 bonner sphere spectrometers
NT1 nmr spectrometers
NT1 optical spectrometers
NT1 proton spectrometers
NT1 time-of-flight spectrometers
NT2 time-of-flight mass spectrometers
NT1 ultraviolet spectrometers
NT1 x-ray spectrometers
RT coincidence spectrometry
RT diffraction gratings
RT interferometers
RT monochromators
RT pulse analyzers
RT radiation detection
RT radiation detectors
RT spectrophotometers
RT spectroscopy

spectrometry
Use spectroscopy

spectrophones
Use photoacoustic spectrometers

SPECTROPHOTOMETERS
BT1 measuring instruments
RT spectrometers
RT spectrophotometry

SPECTROPHOTOMETRY
RT flame photometry
RT photometry
RT spectrophotometers
RT spectroscopy

SPECTROSCOPIC CURVE OF GROWTH
INIS: Aug 1975; ETDE: Aug 1976
UF *curve of growth (spectroscopic)*
*BT1 optical depth curve
RT absorption spectra
RT cosmic gases
RT line broadening
RT optical properties
RT oscillator strengths

SPECTROSCOPIC FACTORS
RT nuclear reactions

RT scattering

SPECTROSCOPY

(From March 1983 till March 1997 PHOTO-INDUCED TRANSIENT SPECTROSCOPY was a valid ETDE descriptor.)
UF *photo-induced transient spectroscopy*
UF *pits*
UF *spectrometry*
NT1 absorption spectroscopy
NT1 alpha spectroscopy
NT1 baryon spectroscopy
NT1 beta spectroscopy
NT1 deep level transient spectroscopy
NT1 electron spectroscopy
NT2 auger electron spectroscopy
NT2 energy-loss spectroscopy
NT2 photoelectron spectroscopy
NT3 x-ray photoelectron spectroscopy
NT1 emission spectroscopy
NT2 fluorescence spectroscopy
NT1 gamma spectroscopy
NT1 in-beam spectroscopy
NT1 ion spectroscopy
NT2 ion cyclotron resonance spectroscopy
NT1 ion-neutralization spectroscopy
NT1 laser spectroscopy
NT2 raman spectroscopy
NT1 mass spectroscopy
NT2 icp mass spectroscopy
NT2 resonance ionization mass spectroscopy
NT1 meson spectroscopy
NT1 neutron spectroscopy
NT1 photoacoustic spectroscopy
NT1 rutherford backscattering spectroscopy
NT1 x-ray spectroscopy
RT flame photometry
RT matrix isolation
RT multispectral photography
RT multispectral scanners
RT photometry
RT post-irradiation examination
RT quantum electronics
RT radiation detection
RT radioassay
RT spectrometers
RT spectrophotometry

SPEECH

INIS: Apr 2000; ETDE: Jan 1975
RT communications
RT sound waves
RT speech synthesizers

SPEECH SYNTHESIZERS

INIS: Apr 2000; ETDE: Jul 1981
*BT1 electronic equipment
RT acoustics
RT computer codes
RT electronic circuits
RT simulation
RT sound waves
RT speech

speed

Use velocity

speed indicators

Use velocimeters

SPEED LIMIT

INIS: Apr 2000; ETDE: Jul 1977
RT laws

SPEED REGULATORS

*BT1 control equipment

SPENCER-FANO THEORY

RT neutron slowing-down theory

spending

Use expenditures

SPENT FUEL CASKS

INIS: Mar 1977; ETDE: Jan 1975
(Until July 1994 this concept was indexed by CASKS)
*BT1 casks
RT spent fuel elements

SPENT FUEL ELEMENTS

UF *irradiated fuel elements*
*BT1 fuel elements
RT burnup
RT fuel integrity
RT reprocessing
RT spent fuel casks
RT spent fuels
RT wackersdorf reprocessing plant
RT wak

SPENT FUEL STORAGE

UF *fuel cooling installations*
UF *storage (spent fuel)*
BT1 storage
NT1 away-from-reactor storage
NT1 monitored retrievable storage
RT after-heat
RT dry storage
RT fuel cooling time
RT fuel cycle centers
RT fuel integrity
RT fuel racks
RT fuel storage pools
RT nuclear waste policy acts
RT storage facilities
RT us mrs project
RT wet storage

SPENT FUELS

UF *irradiated fuels*
*BT1 nuclear fuels
RT fission products
RT fuel cooling time
RT fuel integrity
RT fuel reprocessing plants
RT monitored retrievable storage
RT nuclear waste policy acts
RT radioactive wastes
RT reactors
RT spent fuel elements
RT storage facilities
RT us mrs project
RT wackersdorf reprocessing plant
RT wak

SPENT LIQUORS

INIS: Feb 1993; ETDE: Aug 1978
(Liquid effluent from the digestion of wood during pulping.)
UF *black liquors*
UF *sulfite waste liquor*
*BT1 industrial wastes
*BT1 liquid wastes
RT waste disposal
RT waste product utilization

SPENT SEED

INIS: Apr 2000; ETDE: Apr 1979
(Restricted to MHD seeds.)
RT coal-fired mhd generators
RT plasma seeding
RT seed recovery

SPENT SHALES

INIS: Apr 1992; ETDE: Apr 1975
UF *retorted shales*
RT oil shales
RT portland cement
RT shales
RT solid wastes

sperm

Use spermatozoa

spermatids

Use spermatozoa

SPERMATOCYTES

BT1 germ cells

SPERMATOGENESIS

BT1 gametogenesis
RT reproduction
RT spermatogonia
RT spermatozoa
RT stem cells
RT testes

SPERMATOGONIA

BT1 germ cells
RT spermatogenesis
RT spermatozoa

SPERMATOZOA

UF *sperm*
UF *spermatids*
*BT1 gametes
RT spermatogenesis
RT spermatogonia

SPERMIDINE

*BT1 amines

SPERMINE

UF *gerontine*
UF *musculamine*
UF *neuridine*
*BT1 amines

SPERT-1 REACTOR

(Phillips Petroleum Company, USA)
UF *special power excursion reactor-1*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water moderated reactors

SPERT-2 REACTOR

UF *special power excursion reactor-2*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

SPERT-3 REACTOR

UF *special power excursion reactor-3*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

SPERT-4 REACTOR

UF *special power excursion reactor-4*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 pool type reactors
*BT1 thermal reactors

sphalerite

Use sulfide minerals

sphene
Use titanite

spher
Use shell pellet heat exchanger retorting

SPHERATOR
*BT1 internal ring devices

SPHERES
RT geometry
RT shape

spheres (fuel)
Use fuel elements

spherical aberrations
Use geometrical aberrations

SPHERICAL CONFIGURATION
BT1 configuration

SPHERICAL HARMONICS
UF *cn method*
BT1 functions
RT laplace equation
RT mathematics
RT yvon method

SPHERICAL HARMONICS METHOD
BT1 calculation methods
NT1 p1-approximation
NT1 p2-approximation
NT1 p3-approximation
RT legendre polynomials
RT marshak boundary conditions
RT neutron transport theory

SPHERICAL MODEL
*BT1 nuclear models

SPHEROIDS
INIS: Feb 1976; ETDE: Oct 1975
RT geometry
RT shape

SPHEROMAK DEVICES
INIS: Jul 1981; ETDE: Oct 1979
(Tokamak with aspect ratio approximately equal to one.)
*BT1 tokamak devices
NT1 cdx-u spheromak
NT1 ctx spheromak
NT1 globus-m spheromak
NT1 mast tokamak
NT1 nstx device
NT1 sspx device
NT1 ts-3 device

SPHINGOMYELINS
*BT1 phospholipids

SPICES
UF *ginger*
RT capsicum
RT flavor
RT food
RT peppers

spicules
Use solar prominences

SPIDERS
*BT1 arachnids

spikes (thermal)
Use thermal spikes

spillway
Use spillways

SPILLWAYS
INIS: Oct 1992; ETDE: Aug 1994
(Prior to August 1994, this term in ETDE was in the singular form.)
UF *spillway*
RT dams
RT hydroelectric power plants

SPIN
BT1 angular momentum
BT1 particle properties
RT chirality
RT heisenberg model
RT helicity
RT high spin states
RT joos-weinberg equation
RT morrison rule
RT orbital angular momentum
RT pauli spin operators
RT quantum numbers
RT schmidt lines
RT schmidt model
RT sherman tables
RT spin exchange
RT spin flip
RT spin orientation
RT spin-lattice relaxation
RT spin-spin relaxation
RT spinors
RT two-component neutrino theory
RT weil equation

SPIN ECHO
RT nuclear magnetic resonance

SPIN EXCHANGE
(Not for chemical reactions.)
RT exchange interactions
RT spin

SPIN FLIP
RT inelastic scattering
RT nuclear reaction kinetics
RT spin

SPIN GLASS STATE
INIS: Jul 1978; ETDE: Aug 1977
(A magnetic state in alloys of ferromagnetic material and nonmagnetic material in which the magnetic atoms are frozen into random orientation.)
RT ferromagnetic materials
RT magnetism

SPIN-LATTICE RELAXATION
BT1 relaxation
RT nuclear magnetic resonance
RT spin

spin-off
Use technology transfer

SPIN-ON COATING
INIS: Jun 1987; ETDE: Dec 1979
*BT1 surface coating

SPIN-ON COATINGS
INIS: Apr 2000; ETDE: Dec 1979
BT1 coatings

spin-orbit interaction
Use l-s coupling

SPIN ORIENTATION
(For the process and condition in quantum physics only; see also POLARIZATION.)
BT1 orientation
RT muon spin relaxation
RT nuclear alignment
RT nuclear magnetism
RT particle properties
RT polarization-asymmetry ratio
RT polarized beams
RT polarized targets
RT spin
RT stern-gerlach experiment

spin-spin interaction
Use j-j coupling

SPIN-SPIN RELAXATION
BT1 relaxation
RT nuclear magnetic resonance
RT spin

SPIN WAVES
RT magnons

SPINACH
*BT1 magnoliopsida
*BT1 vegetables

SPINAL CORD
*BT1 central nervous system
RT ganglions
RT myelitis
RT reflexes
RT vertebrae

spine
Use vertebrae

SPINELS
*BT1 oxide minerals
RT aluminium oxides
RT magnesium oxides
RT magnetite

SPINOR FIELDS
INIS: Feb 1978; ETDE: May 1978
RT quantum field theory

spinor symmetry
Use boson-fermion symmetry

SPINORS
RT spin
RT vectors

SPIPERONE
INIS: Jul 1994; ETDE: Apr 1987
*BT1 autonomic nervous system agents
RT dopamine

SPIRAL CONFIGURATION
BT1 configuration

spiral orbit spectrometers
Use flat magnetic spectrometers

SPIRAL READER DIGITIZERS
*BT1 digitizers

SPIROCHAETES
*BT1 bacteria
RT syphilis

spitzer self-collision time
Use spitzer theory

spitzer self-collision time theory
Use spitzer theory

SPITZER THEORY
UF *spitzer self-collision time*
UF *spitzer self-collision time theory*
UF *spitzer value*
*BT1 charged-particle transport theory
RT plasma

spitzer value
Use spitzer theory

SPLAT COOLING
BT1 cooling
RT quench hardening

SPLEEN
*BT1 organs
RT abdomen
RT blood circulation
RT blood formation
RT immune system diseases
RT lymphatic system
RT macrophages
RT peritoneum
RT reticuloendothelial system
RT spleen cells
RT spleen colony formation
RT splenectomy
RT splenomegaly

SPLEEN CELLS
*BT1 somatic cells
RT spleen

SPLEEN COLONY FORMATION
BT1 colony formation
RT blood formation
RT cfu
RT chimeras
RT radiation chimeras
RT spleen

SPLENECTOMY
*BT1 surgery
RT lymphatic system
RT spleen

SPLENOMEGALY
BT1 pathological changes
BT1 symptoms
RT hemic diseases
RT leukemia
RT spleen

SPLICING
INIS: Feb 1994; ETDE: Feb 1994
(The process by which introns are removed from gene transcripts to form mature messenger RNA molecules.)
BT1 rna processing
RT exons
RT gene regulation
RT introns
RT nucleoproteins
RT rna

SPLINE FUNCTIONS
INIS: Sep 1978; ETDE: Oct 1978
BT1 functions
RT interpolation
RT mathematics
RT polynomials
RT series expansion

split dose irradiation
Use fractionated irradiation

SPLIT TABLE REACTOR
UF *str reactor (split table)*
*BT1 zero power reactors

SPOIL BANKS
INIS: Sep 1992; ETDE: Mar 1976
(Banks of disturbed earth, mine wastes, tailings.)
*BT1 solid wastes
RT acid mine drainage
RT dredge spoil
RT land reclamation
RT mineral wastes

SPONDYLITIS
UF *ankylosing spondylitis*
BT1 rheumatic diseases
*BT1 skeletal diseases
RT vertebrae

SPONTANEOUS COMBUSTION
INIS: Feb 1976; ETDE: Aug 1975
*BT1 combustion
RT explosions
RT fire hazards
RT fire prevention
RT fires

spontaneous emission (cooperative)
Use superradiance

SPONTANEOUS FISSION
*BT1 fission
*BT1 nuclear decay
RT fission isomers
RT oklo phenomenon
RT spontaneous fission radioisotopes

SPONTANEOUS FISSION RADIOISOTOPES
INIS: Jun 1986; ETDE: Jul 1991
*BT1 radioisotopes
NT1 americium 237
NT1 americium 238
NT1 americium 239
NT1 americium 240
NT1 americium 241
NT1 americium 242
NT1 americium 243
NT1 americium 244
NT1 americium 245
NT1 americium 246
NT1 berkelium 242
NT1 berkelium 243
NT1 berkelium 244
NT1 berkelium 245
NT1 berkelium 249
NT1 californium 246
NT1 californium 248
NT1 californium 249
NT1 californium 250
NT1 californium 252
NT1 californium 254
NT1 californium 256
NT1 curium 240
NT1 curium 241
NT1 curium 242
NT1 curium 243
NT1 curium 244
NT1 curium 245
NT1 curium 246
NT1 curium 248
NT1 curium 250
NT1 einsteinium 253
NT1 einsteinium 254
NT1 einsteinium 255
NT1 element 104 253
NT1 element 104 254
NT1 element 104 255
NT1 element 104 256
NT1 element 104 258
NT1 element 104 259
NT1 element 104 260
NT1 element 104 261
NT1 element 104 262
NT1 element 104 263
NT1 element 105 255
NT1 element 105 256
NT1 element 105 257
NT1 element 105 259
NT1 element 105 260
NT1 element 105 261
NT1 element 105 262
NT1 element 105 263
NT1 element 106 259
NT1 element 106 260
NT1 element 106 262
NT1 element 106 263
NT1 element 106 266
NT1 element 107 261
NT1 element 112 283
NT1 fermium 242
NT1 fermium 244
NT1 fermium 246
NT1 fermium 248
NT1 fermium 250
NT1 fermium 252
NT1 fermium 254
NT1 fermium 255
NT1 fermium 256
NT1 fermium 257
NT1 fermium 258
NT1 fermium 259
NT1 mendelevium 259
NT1 neptunium 237
NT1 nobelium 250
NT1 nobelium 252
NT1 nobelium 254
NT1 nobelium 256
NT1 nobelium 258
NT1 plutonium 235
NT1 plutonium 236
NT1 plutonium 237
NT1 plutonium 238
NT1 plutonium 239
NT1 plutonium 240
NT1 plutonium 241
NT1 plutonium 242
NT1 plutonium 243
NT1 plutonium 244
NT1 thorium 230
NT1 thorium 232
NT1 uranium 232
NT1 uranium 233
NT1 uranium 234
NT1 uranium 235
NT1 uranium 236
NT1 uranium 238
RT spontaneous fission

SPONTANEOUS MUTATIONS
INIS: Feb 1978; ETDE: May 1978
UF *natural mutations*
BT1 mutations

spontaneous potential logging
Use sp logging

SPORADIC E
*BT1 e region

SPORES
NT1 bacterial spores
NT1 conidia
NT1 microspores
RT fungi
RT reproduction

SPOROZOA
INIS: Jul 1993; ETDE: Jun 1981
BT1 parasites
*BT1 protozoa
NT1 babesidae
NT1 plasmodium

SPOT MARKET
INIS: Jan 1992; ETDE: Dec 1979
UF *rotterdam spot market*
BT1 market
RT economics
RT prices
RT supply and demand

spot welding
Use welding

spot welds
Use welded joints

SPR-2 REACTOR
(Sandia Laboratories, Albuquerque, New Mexico, USA)
UF *sandia pulsed reactor-ii*
UF *spr-ii reactor*
*BT1 pulsed reactors
*BT1 research reactors
*BT1 thermal reactors

SPR-3 REACTOR
(Sandia Laboratories, Albuquerque, New Mexico, USA)
UF *sandia pulsed reactor-iii*
UF *spr-iii reactor*
*BT1 pulsed reactors
*BT1 research reactors

SPR-4 REACTOR
INIS: Jun 1984; ETDE: Aug 1982
UF *sandia pulse reactor-4*
UF *sandia pulsed reactor-iv*
UF *spr-iv reactor*
*BT1 pulsed reactors
*BT1 research reactors

spr-ii reactor
Use spr-2 reactor

spr-iii reactor
Use spr-3 reactor

spr-iv reactor
Use spr-4 reactor

SPRAY COATING
UF *metal spraying*
*BT1 surface coating
NT1 flame spraying
NT1 plasma arc spraying
RT sprayed coatings

SPRAY COOLING
INIS: Jul 1976; ETDE: Nov 1976
BT1 cooling
RT droplets
RT fog cooling
RT sprays

SPRAY DRYING
BT1 drying
RT dry scrubbers
RT evaporation

spray ponds
Use cooling ponds
AND sprays

spray systems (containment)
Use containment spray systems

SPRAYED COATINGS
BT1 coatings
RT spray coating

SPRAYS
UF *fog (sprays)*
UF+ *spray ponds*
RT atomization
RT dispersions
RT droplets
RT scrubbers
RT scrubbing
RT spargers
RT spray cooling
RT washout

SPREAD F
*BT1 f region

SPRING-8 STORAGE RING
INIS: Sep 1990; ETDE: Oct 1990
BT1 storage rings
*BT1 synchrotron radiation sources

SPRINGS
(Mechanical springs only.)
BT1 machine parts
RT mechanical vibrations
RT torsion

springs (water)
Use water springs

SPROUT INHIBITION
BT1 inhibition
RT garlic
RT onions
RT potatoes
RT storage life

SPROUTING
RT plant growth
RT plants
RT vernalization

SPRUCES
INIS: Dec 1991; ETDE: Mar 1983
*BT1 conifers
*BT1 trees

spur reactor
Use space power reactors

SPURIONS
*BT1 postulated particles
*BT1 strange particles
RT selection rules

SPUTTER-ION PUMPS
*BT1 vacuum pumps
RT getters
RT penning discharges
RT philips gages
RT sputtering

SPUTTERING
NT1 cathode sputtering
NT1 neutron sputtering
RT arc welding
RT deposition
RT ion beams
RT sputter-ion pumps
RT vacuum coating
RT vapor deposited coatings

SQUALANE
*BT1 alkanes

SQUALENE
*BT1 polyenes
*BT1 terpenes

SQUARE CONFIGURATION
*BT1 rectangular configuration

square-wave generators
Use function generators

SQUARE-WELL POTENTIAL
*BT1 nuclear potential

SQUARYLIUM DYES
INIS: Apr 2000; ETDE: May 1979
BT1 dyes
RT aromatics
RT heterocyclic compounds
RT organic nitrogen compounds

SQUID DEVICES
(Superconducting Quantum Interference Devices)
UF *superconducting quantum interference devices*
*BT1 fluxmeters
*BT1 microwave equipment
BT1 superconducting devices
RT interferometers
RT rf systems
RT superconductors

SQUIRRELS
*BT1 rodents

sr-0f reactor
Use zero power reactors

SR-1 REACTOR
*BT1 enriched uranium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

SR-305 REACTOR
UF *savannah river test pile-305*
*BT1 graphite moderated reactors
*BT1 production reactors
*BT1 thermal reactors

SR-3P REACTOR
*BT1 thermal reactors
*BT1 training reactors
*BT1 water cooled reactors

SR-OA REACTOR
(Skoda National Corporations, Plzen, Czech Republic.)
UF *skoda (plzen) reactor*
*BT1 enriched uranium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 water cooled reactors
*BT1 water moderated reactors
*BT1 zero power reactors

sr-ob reactor
Use subcritical assemblies

SRC-II PROCESS
INIS: Apr 2000; ETDE: Aug 1977
(Modified SRC process with higher field of liquid and gaseous products which are recovered by vacuum distillation.)
*BT1 coal liquefaction
RT src process

SRC PROCESS
INIS: Apr 2000; ETDE: Jan 1975
UF *pittsburg-midway solvent refined coal process*
UF *solvent-refined coal process*
SF *solvent-refining coal plants*
RT solvent-refined coal
RT src-ii process

SRE REACTOR
UF *sodium reactor experiment*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 power reactors
*BT1 sgr type reactors
*BT1 thermal reactors
*BT1 thorium reactors

SRI LANKA
UF *ceylon*
BT1 asia
BT1 developing countries

BT1 islands
RT indian ocean

sriracha reactor
Use ao-phai-1 reactor

srm
Use calibration standards

SRRC-UTR-100 REACTOR
(Scottish Universities Research and Reactor Centre, East Kilbride by Glasgow, UK)
UF *glasgow utr-100 reactor*
UF *scottish research reactor center utr-100 reactor*
*BT1 argonaut type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

ssc
Use superconducting super collider

SSDL
INIS: Jul 1980; ETDE: Aug 1980
(Secondary Standard Dosimetry Laboratories.)
UF *secondary standard dosimetry laboratories*
RT calibration standards
RT dosimetry

SSPX DEVICE
INIS: Jul 1999; ETDE: Sep 1999
(Sustained Spheromak Physics Experiment, Lawrence Livermore National Laboratory, USA.)
*BT1 spheromak devices

ST LAWRENCE RIVER
INIS: Jul 1976; ETDE: Aug 1976
UF *saint lawrence river*
*BT1 rivers
RT new york
RT ontario
RT quebec

st lucie-1 reactor
Use lucie-1 reactor

st lucie-2 reactor
Use lucie-2 reactor

ST PETERSBURG INSTITUTE OF NUCLEAR PHYSICS
INIS: Mar 1977; ETDE: Aug 1997
(Until July 1997 this was known as the LENINGRAD INSTITUTEOF NUCLEAR PHYSICS.)
UF *leningrad institute of nuclear physics*
*BT1 russian organizations

ST TOKAMAK
UF *tokamak model st*
*BT1 tokamak devices

staat amt atomsicherheit und strahlenschutz
Use bundesamt fuer strahlenschutz

staatliches amt fuer atomsicherheit und strahlenschutz
Use bundesamt fuer strahlenschutz

STABILITY
NT1 orbit stability
NT1 phase stability
NT1 reactor stability
NT1 slope stability
RT equilibrium
RT instability
RT lyapunov method
RT stabilization
RT thixotropy

stability (fission reactor)
Use reactor stability

stability (reactor)
Use reactor stability

STABILIZATION
(Until October 1998 this concept was indexed by STABILITY.)
RT inhibition
RT stability
RT var control systems

STABILIZED SUPERCONDUCTORS
BT1 superconductors

STABLE ISOTOPES
BT1 isotopes
NT1 aluminium 27
NT1 antimony 121
NT1 antimony 123
NT1 argon 36
NT1 argon 38
NT1 argon 40
NT1 arsenic 75
NT1 barium 130
NT1 barium 132
NT1 barium 134
NT1 barium 135
NT1 barium 136
NT1 barium 137
NT1 barium 138
NT1 beryllium 9
NT1 bismuth 209
NT1 boron 10
NT1 boron 11
NT1 bromine 79
NT1 bromine 81
NT1 cadmium 106
NT1 cadmium 108
NT1 cadmium 110
NT1 cadmium 111
NT1 cadmium 112
NT1 cadmium 113
NT1 cadmium 114
NT1 cadmium 116
NT1 calcium 40
NT1 calcium 42
NT1 calcium 43
NT1 calcium 44
NT1 calcium 46
NT1 calcium 48
NT1 carbon 12
NT1 carbon 13
NT1 cerium 136
NT1 cerium 138
NT1 cerium 140
NT1 cerium 142
NT1 cesium 133
NT1 chlorine 35
NT1 chlorine 37
NT1 chromium 50
NT1 chromium 52
NT1 chromium 53
NT1 chromium 54
NT1 cobalt 59
NT1 copper 63
NT1 copper 65
NT1 deuterium
NT1 dysprosium 156
NT1 dysprosium 158
NT1 dysprosium 160
NT1 dysprosium 161
NT1 dysprosium 162
NT1 dysprosium 163
NT1 dysprosium 164
NT1 erbium 162
NT1 erbium 164
NT1 erbium 166
NT1 erbium 167
NT1 erbium 168
NT1 erbium 170
NT1 europium 151
NT1 europium 153
NT1 fluorine 19
NT1 gadolinium 154
NT1 gadolinium 155
NT1 gadolinium 156
NT1 gadolinium 157
NT1 gadolinium 158
NT1 gadolinium 160
NT1 gallium 69
NT1 gallium 71
NT1 germanium 70
NT1 germanium 72
NT1 germanium 73
NT1 germanium 74
NT1 germanium 76
NT1 gold 197
NT1 hafnium 176
NT1 hafnium 177
NT1 hafnium 178
NT1 hafnium 179
NT1 hafnium 180
NT1 helium 3
NT2 helium 3 a
NT2 helium 3 a1
NT2 helium 3 b
NT1 helium 4
NT2 helium i
NT2 helium ii
NT1 holmium 165
NT1 hydrogen 1
NT1 indium 113
NT1 iodine 127
NT1 iridium 191
NT1 iridium 193
NT1 iron 54
NT1 iron 56
NT1 iron 57
NT1 iron 58
NT1 krypton 78
NT1 krypton 80
NT1 krypton 82
NT1 krypton 83
NT1 krypton 84
NT1 krypton 86
NT1 lanthanum 139
NT1 lead 204
NT1 lead 206
NT1 lead 207
NT1 lead 208
NT1 lithium 6
NT1 lithium 7
NT1 lutetium 175
NT1 magnesium 24
NT1 magnesium 25
NT1 magnesium 26
NT1 manganese 55
NT1 mercury 196
NT1 mercury 198
NT1 mercury 199
NT1 mercury 200
NT1 mercury 201
NT1 mercury 202
NT1 mercury 204
NT1 molybdenum 100
NT1 molybdenum 92
NT1 molybdenum 94
NT1 molybdenum 95
NT1 molybdenum 96
NT1 molybdenum 97
NT1 molybdenum 98
NT1 neodymium 142
NT1 neodymium 143

NT1 neodymium 145
NT1 neodymium 146
NT1 neodymium 148
NT1 neodymium 150
NT1 neon 20
NT1 neon 21
NT1 neon 22
NT1 nickel 58
NT1 nickel 60
NT1 nickel 61
NT1 nickel 62
NT1 nickel 64
NT1 niobium 93
NT1 nitrogen 14
NT1 nitrogen 15
NT1 osmium 184
NT1 osmium 186
NT1 osmium 187
NT1 osmium 188
NT1 osmium 189
NT1 osmium 190
NT1 osmium 192
NT1 oxygen 16
NT1 oxygen 17
NT1 oxygen 18
NT1 palladium 102
NT1 palladium 104
NT1 palladium 105
NT1 palladium 106
NT1 palladium 108
NT1 palladium 110
NT1 phosphorus 31
NT1 platinum 192
NT1 platinum 194
NT1 platinum 195
NT1 platinum 196
NT1 platinum 198
NT1 potassium 39
NT1 potassium 41
NT1 praseodymium 141
NT1 rhenium 185
NT1 rhenium 187
NT1 rhodium 103
NT1 rubidium 85
NT1 ruthenium 100
NT1 ruthenium 101
NT1 ruthenium 102
NT1 ruthenium 104
NT1 ruthenium 96
NT1 ruthenium 98
NT1 ruthenium 99
NT1 samarium 144
NT1 samarium 148
NT1 samarium 149
NT1 samarium 150
NT1 samarium 152
NT1 samarium 154
NT1 scandium 45
NT1 selenium 74
NT1 selenium 76
NT1 selenium 77
NT1 selenium 78
NT1 selenium 80
NT1 selenium 82
NT1 silicon 28
NT1 silicon 29
NT1 silicon 30
NT1 silver 107
NT1 silver 109
NT1 sodium 23
NT1 strontium 84
NT1 strontium 86
NT1 strontium 87
NT1 strontium 88
NT1 sulfur 32
NT1 sulfur 33
NT1 sulfur 34
NT1 sulfur 36
NT1 tantalum 181
NT1 tellurium 120
NT1 tellurium 122
NT1 tellurium 123
NT1 tellurium 124
NT1 tellurium 125
NT1 tellurium 126
NT1 tellurium 128
NT1 tellurium 130
NT1 terbium 159
NT1 thallium 203
NT1 thallium 205
NT1 thulium 169
NT1 tin 112
NT1 tin 114
NT1 tin 115
NT1 tin 116
NT1 tin 117
NT1 tin 118
NT1 tin 119
NT1 tin 120
NT1 tin 122
NT1 tin 124
NT1 titanium 46
NT1 titanium 47
NT1 titanium 48
NT1 titanium 49
NT1 titanium 50
NT1 tungsten 180
NT1 tungsten 182
NT1 tungsten 183
NT1 tungsten 184
NT1 tungsten 186
NT1 vanadium 51
NT1 xenon 124
NT1 xenon 126
NT1 xenon 128
NT1 xenon 129
NT1 xenon 130
NT1 xenon 131
NT1 xenon 132
NT1 xenon 134
NT1 xenon 136
NT1 ytterbium 168
NT1 ytterbium 170
NT1 ytterbium 171
NT1 ytterbium 172
NT1 ytterbium 173
NT1 ytterbium 174
NT1 ytterbium 176
NT1 yttrium 89
NT1 zinc 64
NT1 zinc 66
NT1 zinc 67
NT1 zinc 68
NT1 zinc 70
NT1 zirconium 90
NT1 zirconium 91
NT1 zirconium 92
NT1 zirconium 94
NT1 zirconium 96
RT carriers
RT magic nuclei
RT translocation

STACK DISPOSAL
*BT1 waste disposal
RT chemical effluents
RT electrostatic precipitators
RT gaseous wastes
RT ground release
RT plumes
RT pollution control equipment
RT radioactive effluents
RT radioactive waste disposal
RT release limits
RT stacks

STACKING FAULTS
*BT1 crystal defects
RT dislocations

STACKS
RT buildings
RT gaseous wastes
RT plumes
RT radioactive clouds
RT smokes
RT stack disposal
RT ventilation

STACY REACTOR
INIS: Sep 2001; ETDE: Nov 1999
(Tokai Research Establishment of JAERI, Ibaraki Prefecture, Japan)
UF *static experiment critical facility*
*BT1 enriched uranium reactors
*BT1 plutonium reactors
*BT1 zero power reactors
RT tracy reactor

STADE REACTOR
UF *kernkraftwerk stade*
UF *kks reactor*
*BT1 pwr type reactors

STAGED COMBUSTION
INIS: Jul 1992; ETDE: Jul 1983
(Combustion in which a fuel-rich stage is followed by an air-rich stage to control NOx emissions.)
*BT1 combustion
RT air pollution abatement

STAGNATION
RT fluid flow

STAGNATION POINT
INIS: May 1993; ETDE: Sep 1976
(Point in a field of flow about a body where the fluid particles have zero velocity with respect to the body.)
RT flames
RT fluid mechanics

STAINLESS STEEL-16-8-2
INIS: Nov 1983; ETDE: Oct 1975
*BT1 steel-cr16ni8mo2

STAINLESS STEEL-17-4PH
INIS: Nov 1983; ETDE: Feb 1978
*BT1 steel-cr17cu4ni4nb-l

STAINLESS STEEL-17-7PH
INIS: Apr 2000; ETDE: May 1979
*BT1 aluminium alloys
*BT1 chromium-nickel steels

STAINLESS STEEL-18-10
INIS: Nov 1983; ETDE: May 1979
*BT1 steel-cr18ni10

stainless steel-18-4-1
Use stainless steels

STAINLESS STEEL-18-8
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-cr18ni8

stainless steel-19-9dl
Use stainless steels

STAINLESS STEEL-20-25
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-ni25cr20

STAINLESS STEEL-21-6-9
INIS: Nov 1983; ETDE: Dec 1979
UF *nitronic 40*
*BT1 steel-cr21mn9ni6

STAINLESS STEEL-301
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-cr17ni7

STAINLESS STEEL-302
*BT1 steel-cr18ni9

STAINLESS STEEL-303
INIS: Apr 2000; ETDE: Oct 1985
*BT1 chromium-nickel steels

STAINLESS STEEL-304
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-cr19ni10

STAINLESS STEEL-304L
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-cr19ni10-l

STAINLESS STEEL-305
INIS: Nov 1983; ETDE: Apr 1976
*BT1 steel-cr18ni12

STAINLESS STEEL-308
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-cr20ni11

STAINLESS STEEL-308L
INIS: Nov 1983; ETDE: Oct 1978
*BT1 steel-cr20ni11-l

STAINLESS STEEL-309
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-cr23ni14

STAINLESS STEEL-309S
*BT1 steel-cr23ni14

STAINLESS STEEL-310
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-cr25ni20

STAINLESS STEEL-316
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-cr17ni12mo3

STAINLESS STEEL-316L
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-cr17ni12mo3-l

STAINLESS STEEL-317
INIS: Apr 2000; ETDE: Sep 1978
*BT1 stainless steels

STAINLESS STEEL-318
INIS: Apr 2000; ETDE: Dec 1974
*BT1 stainless steels

STAINLESS STEEL-321
*BT1 steel-cr18ni10ti

STAINLESS STEEL-329
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium-nickel steels

stainless steel-330
Use austenitic steels
AND chromium-nickel steels

STAINLESS STEEL-347
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-cr18ni11nb

STAINLESS STEEL-348
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-cr18ni11nbco

STAINLESS STEEL-403
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-cr12

STAINLESS STEEL-405
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-cr13al

STAINLESS STEEL-406
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium steels

STAINLESS STEEL-410
(Until October 1999 this was indexed by STEEL-CR13.)
*BT1 steel-cr13

STAINLESS STEEL-422
INIS: Apr 2000; ETDE: Nov 1976
*BT1 stainless steels

STAINLESS STEEL-430
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-cr16

stainless steel-431
Use steel-cr16ni

STAINLESS STEEL-440
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-cr17mo

STAINLESS STEEL-446
*BT1 steel-cr25

stainless steel-44ln
Use chromium steels
AND low carbon-high alloy steels
AND molybdenum alloys
AND nickel alloys

stainless steel-am-350
Use steel-cr17ni4mo3

STAINLESS STEEL-FV-548
INIS: Apr 2000; ETDE: May 1979
*BT1 stainless steels

stainless steel-fv548
Use steel-cr17ni12monb

STAINLESS STEEL-JBK-75
INIS: Apr 2000; ETDE: Jan 1980
*BT1 nickel alloys
*BT1 stainless steels
*BT1 titanium alloys

STAINLESS STEEL M-50
INIS: Apr 2000; ETDE: Nov 1979
*BT1 molybdenum alloys
*BT1 stainless steels

STAINLESS STEEL-PH-15-7-MO
INIS: Apr 2000; ETDE: May 1979
*BT1 chromium-nickel steels

stainless steel-z2cn18-10
Use steel-cr18ni10-l

stainless steel-z2cn18-10n
Use chromium-nickel steels

stainless steel-z2cnd17-12
Use steel-cr17ni12mo3-l

stainless steel-z3cmn18-8-6n
Use chromium-nickel steels

stainless steel-z3cnd17-12
Use steel-cr17ni12mo3-l

stainless steel-z3cnd18-13
Use chromium-nickel steels

stainless steel-z6cn18-10
Use steel-cr18ni10

stainless steel-z6cnd17-12
Use steel-cr17ni12mo3

stainless steel-z6cnd17-13b
Use chromium-nickel steels

stainless steel-z6cndt17-13b
Use chromium-nickel steels

stainless steel-z6cnt18-10
Use steel-cr18ni10ti

stainless steel-z6cnt18-12b
Use chromium-nickel steels

stainless steel-z8cnt18-10
Use steel-cr18ni10ti

STAINLESS STEEL-ZCND17-13
*BT1 manganese alloys
*BT1 silicon additions
*BT1 steel-cr17ni12mo3-l

STAINLESS STEELS
(The UF terms below have been valid ETDE descriptors.)
UF *croloy 299*
UF *stainless steel-18-4-1*
UF *stainless steel-19-9dl*
UF *steel-000kh25*
UF *steel-000kh28*
UF *steel-00kh20n32t*
UF *steel-03kh13ag13*
UF *steel-0kh18g8n2t*
UF *steel-cr17mn15nni*
UF *tenelon*
*BT1 high alloy steels
NT1 chromium steels
NT2 chromium-molybdenum steels
NT3 chromium-nickel-molybdenum steels
NT4 alloy-m-813
NT4 steel-cr11ni10mo2ti-l
NT4 steel-cr15ni15motib
NT4 steel-cr16ni13monbv
NT4 steel-cr16ni15mo3nb
NT4 steel-cr16ni16monb
NT4 steel-cr16ni8mo2
NT5 stainless steel-16-8-2
NT4 steel-cr16ni9mo2
NT4 steel-cr17ni12mo3
NT5 stainless steel-316
NT4 steel-cr17ni12mo3-l
NT5 stainless steel-316l
NT5 stainless steel-zcnd17-13
NT4 steel-cr17ni12monb
NT4 steel-cr17ni13mo2ti
NT4 steel-cr17ni13mo3ti
NT4 steel-ni26cr15ti2movalb
NT5 alloy-a-286
NT2 magnet steel-ks
NT2 miduale
NT2 stainless steel-406
NT2 steel-cr10mo2
NT2 steel-cr12
NT3 stainless steel-403
NT2 steel-cr12moniv
NT2 steel-cr12mov
NT3 alloy-ht-9
NT2 steel-cr13
NT3 stainless steel-410
NT2 steel-cr13al
NT3 stainless steel-405
NT2 steel-cr16
NT3 stainless steel-430
NT2 steel-cr16ni
NT2 steel-cr17cu4ni4nb-l
NT3 stainless steel-17-4ph
NT2 steel-cr17mo
NT3 stainless steel-440

NT2 steel-cr17ni4mo3
NT2 steel-cr18
NT2 steel-cr25
NT3 stainless steel-446
NT2 steel-cr9mo
NT2 steel-cr9monbv
NT1 chromium-nickel steels
NT2 alloy-d-9
NT2 carpenter
NT2 chromium-nickel-molybdenum steels
NT3 alloy-m-813
NT3 steel-cr11ni10mo2ti-l
NT3 steel-cr15ni15motib
NT3 steel-cr16ni13monbv
NT3 steel-cr16ni15mo3nb
NT3 steel-cr16ni16monb
NT3 steel-cr16ni8mo2
NT4 stainless steel-16-8-2
NT3 steel-cr16ni9mo2
NT3 steel-cr17ni12mo3
NT4 stainless steel-316
NT3 steel-cr17ni12mo3-l
NT4 stainless steel-316l
NT4 stainless steel-zcnd17-13
NT3 steel-cr17ni12monb
NT3 steel-cr17ni13mo2ti
NT3 steel-cr17ni13mo3ti
NT3 steel-ni26cr15ti2movalb
NT4 alloy-a-286
NT2 durco
NT2 enduro
NT2 stainless steel-17-7ph
NT2 stainless steel-303
NT2 stainless steel-329
NT2 stainless steel-ph-15-7-mo
NT2 steel-cr17ni13
NT2 steel-cr17ni7
NT3 stainless steel-301
NT2 steel-cr18ni10
NT3 stainless steel-18-10
NT2 steel-cr18ni10-l
NT2 steel-cr18ni10ti
NT3 stainless steel-321
NT2 steel-cr18ni11
NT3 steel-x6crni1811
NT2 steel-cr18ni11nb
NT3 stainless steel-347
NT2 steel-cr18ni11nbco
NT3 stainless steel-348
NT2 steel-cr18ni12
NT3 stainless steel-305
NT2 steel-cr18ni12ti
NT2 steel-cr18ni8
NT3 stainless steel-18-8
NT2 steel-cr18ni9
NT3 stainless steel-302
NT2 steel-cr18ni9ti
NT2 steel-cr19ni10
NT3 stainless steel-304
NT2 steel-cr19ni10-l
NT3 stainless steel-304l
NT2 steel-cr20ni11
NT3 stainless steel-308
NT2 steel-cr20ni11-l
NT3 stainless steel-308l
NT2 steel-cr23ni14
NT3 stainless steel-309
NT3 stainless steel-309s
NT2 steel-cr23ni18
NT2 steel-cr25ni20
NT3 alloy-hk-40
NT3 stainless steel-310
NT2 steel-ni25cr20
NT3 stainless steel-20-25
NT2 steel-ni36cr12ti3al-l
NT2 timken alloys
NT1 low carbon-high alloy steels
NT2 steel-cr11ni10mo2ti-l
NT2 steel-cr17cu4ni4nb-l
NT3 stainless steel-17-4ph
NT2 steel-cr17ni12mo3-l
NT3 stainless steel-316l
NT3 stainless steel-zcnd17-13
NT2 steel-cr18ni10-l
NT2 steel-cr19ni10-l
NT3 stainless steel-304l
NT2 steel-cr20ni11-l
NT3 stainless steel-308l
NT2 steel-ni36cr12ti3al-l
NT1 stainless steel m-50
NT1 stainless steel-317
NT1 stainless steel-318
NT1 stainless steel-422
NT1 stainless steel-fv-548
NT1 stainless steel-jbk-75
NT1 steel-cr21mn9ni6
NT2 stainless steel-21-6-9
NT1 sweetalloy
RT corrosion resistant alloys
RT heat resisting alloys

STAINS

RT banding techniques
RT cleaning
RT dyes
RT histological techniques

STAMEN

UF *anthers*
UF *stamen hairs*
BT1 flowers

stamen hairs

Use stamen

STAND DENSITY

INIS: Apr 1999; ETDE: Jan 1988
(Number of trees per unit area.)
RT biomass
RT forests

standard electroweak model

Use weinberg-salam gauge model

STANDARD INDUSTRIAL CLASSIFICATION

INIS: Apr 2000; ETDE: Aug 1980
BT1 classification
RT standards

standard man

Use reference man

STANDARD MODEL

INIS: Sep 1986; ETDE: Mar 1985
(For the local gauge theory based on a SU(3)xSU(2)xU(1) symmetry that describes strong, weak and electromagnetic interactions among elementary particles.)
*BT1 grand unified theory
RT electromagnetic interactions
RT kobayashi-maskawa matrix
RT quantum chromodynamics
RT quantum electrodynamics
RT strong interactions
RT weak interactions
RT weinberg angle
RT weinberg-salam gauge model

STANDARD OF LIVING

INIS: Jul 1993; ETDE: Oct 1978
(From November 1978 till March 1997 QUALITY OF LIFE was a valid ETDE descriptor.)
UF *living standards*
UF *quality of life*
SF *way of life*
RT economic development
RT income

standard reference materials

Use calibration standards

STANDARDIZATION

INIS: Feb 1977; ETDE: Jun 1975
RT benchmarks
RT calibration standards
RT energy efficiency standards
RT quality assurance
RT quality control
RT safety standards
RT specifications
RT standards
RT standards document

STANDARDIZED TERMINOLOGY

UF *controlled terminology*
UF *thesauri*
UF *vocabulary (controlled)*
RT information retrieval
RT information systems
RT iso
RT machine translations

STANDARDS

INIS: Aug 1991; ETDE: Feb 1975
UF+ *automobile efficiency standards*
NT1 calibration standards
NT1 energy efficiency standards
NT1 safety standards
NT2 annual limit of intake
NT2 dose limits
NT2 maximum acceptable contamination
NT2 maximum inhalation quantity
NT2 maximum permissible activity
NT2 maximum permissible body burden
NT2 maximum permissible concentration
NT2 maximum permissible dose
NT2 maximum permissible exposure
NT2 maximum permissible intake
NT2 maximum permissible level
RT benchmarks
RT certification
RT compliance
RT specifications
RT standard industrial classification
RT standardization
RT standards document

standards (calibration)

Use calibration standards

standards (safety)

Use safety standards

STANDARDS DOCUMENT

INIS: Sep 1987; ETDE: Oct 1987
(Use only in conjunction with literary indicator W for indexing the text of national or international standards.)
RT iso
RT standardization
RT standards

standing crop

Use biomass

STANDING WAVES

UF *waves (standing)*
RT electromagnetic radiation
RT mechanical vibrations
RT steady-state conditions
RT travelling waves
RT wave propagation
RT waveguides
RT wavelengths

STANFORD 1.2-GEV LINAC
INIS: Dec 1990; ETDE: Dec 1974
(Until February 1995 this descriptor was spelled STANFORD 1200-MEV LINAC.)
UF *stanford 1200-mev linac*
*BT1 linear accelerators
RT stanford linear accelerator center

stanford 1200-mev linac
Use stanford 1.2-gev linac

STANFORD 20-GEV LINAC
UF *slac 2-mile linac*
*BT1 linear accelerators
RT stanford linear accelerator center
RT stanford linear collider

stanford large detector
Use stanford linear collider detector

STANFORD LINEAR ACCELERATOR CENTER
INIS: Sep 1977; ETDE: Dec 1976
UF *slac*
*BT1 us doe
*BT1 us erda
RT california
RT stanford 1.2-gev linac
RT stanford 20-gev linac
RT stanford linear collider

STANFORD LINEAR COLLIDER
INIS: Feb 1984; ETDE: Jun 1983
UF *slc*
*BT1 linear colliders
RT accelerator facilities
RT stanford 20-gev linac
RT stanford linear accelerator center
RT stanford linear collider detector

STANFORD LINEAR COLLIDER DETECTOR
INIS: Dec 1991; ETDE: Jan 1986
(A detector for the SLAC Linear Collider (SLC) designed to study electron-positron interactions up to 100 GeV.)
UF *slc detectors*
UF *stanford large detector*
SF *sld*
*BT1 radiation detectors
RT cherenkov counters
RT drift chambers
RT shower counters
RT stanford linear collider

STANLEIGH MINE
INIS: Oct 1982; ETDE: Nov 1982
*BT1 uranium mines
RT elliot lake

STANNATES
(Specific compounds, except those of significance to energy research and development, should be indexed by coordination of a descriptor of the form (cation) compounds and the above anion descriptor.)
BT1 oxygen compounds
BT1 tin compounds
NT1 cadmium stannates
RT tin oxides

STAPHYLOCOCCUS
*BT1 bacteria

stapp theory
See nucleons
OR wave propagation

stapp-ypsilantis-metropolis theory
See nucleons
OR wave propagation

STAR ACCRETION
UF *accretion (stars)*
*BT1 star evolution
RT accretion disks
RT cosmic dust
RT cosmological models
RT eruptive variable stars
RT interstellar grains
RT interstellar space
RT planet-system accretion
RT protostars
RT stars

STAR BURNING
INIS: Aug 1978; ETDE: Oct 1978
(Astrophysical processes only.)
UF *stellar burning*
NT1 carbon burning
NT1 cno cycle
NT1 helium burning
NT1 hydrogen burning

STAR CLUSTERS
UF *clusters (star)*
RT stars

STAR EVOLUTION
BT1 evolution
NT1 r process
NT1 s process
NT1 star accretion
RT carbon burning
RT cno cycle
RT cosmology
RT galactic evolution
RT gravitational collapse
RT helium burning
RT herbig-haro objects
RT hertzsprung-russell diagram
RT hydrogen burning
RT origin
RT solar system evolution
RT star models
RT stars

STAR MODELS
INIS: Oct 1975; ETDE: Dec 1975
(Mathematical models of stars)
UF *models (star)*
UF *solar models*
BT1 mathematical models
RT carbon burning
RT cno cycle
RT hydrogen burning
RT star evolution
RT stars

STARCH
UF *amylum*
*BT1 polysaccharides
BT1 reagents
RT polyacetals

starch gum
Use dextrin

STARFIRE TOKAMAK
INIS: Jul 1981; ETDE: Mar 1980
*BT1 tokamak devices

starfish event
Use atmospheric explosions
AND nuclear explosions

STARK EFFECT
RT electric fields
RT line broadening
RT magneto-optical effects
RT spectral shift

STARK REACTOR
(Schnell-Thermischen Argonaut Reaktor Karlsruhe)
UF *sar-2 reactor*
*BT1 argonaut type reactors
*BT1 thermal reactors
*BT1 training reactors

STARQUAKES
INIS: Apr 2000; ETDE: Apr 1976
RT neutron stars
RT pulsars

STARS
NT1 binary stars
NT2 eruptive variable stars
NT3 novae
NT3 supernovae
NT3 t tauri stars
NT1 dwarf stars
NT2 black dwarf stars
NT2 red dwarf stars
NT2 white dwarf stars
NT1 giant stars
NT2 red giant stars
NT2 supergiant stars
NT1 magnetic stars
NT1 main sequence stars
NT2 carbon stars
NT2 sun
NT2 wolf-rayet stars
NT1 neutron stars
NT1 supermassive stars
NT1 symbiotic stars
NT1 variable stars
NT2 eruptive variable stars
NT3 novae
NT3 supernovae
NT3 t tauri stars
NT2 pulsating variable stars
NT3 cepheids
RT astronomy
RT black holes
RT carbon burning
RT chandrasekhar theory
RT nucleosynthesis
RT planetary nebulae
RT proper motion
RT protostars
RT quasars
RT r process
RT s process
RT star accretion
RT star clusters
RT star evolution
RT star models
RT stellar activity
RT stellar atmospheres
RT stellar flares
RT stellar winds
RT white holes

STARSPOTS
INIS: Feb 1984; ETDE: Mar 1984
(Small regions of stellar surfaces that have a luminosity different from that of their surroundings. For the Sun use SUNSPOTS.)
UF *stellar spots*
BT1 stellar activity
NT1 sunspots
RT stellar atmospheres
RT stellar flares
RT variable stars

START TOKAMAK
INIS: Mar 1994; ETDE: Feb 1994
(Small Tight Aspect Ratio Tokamak at Culham Laboratories, Culham, UK.)
UF *small tight aspect ratio tokamak*
*BT1 tokamak devices

START-UP
INIS: Feb 1981; ETDE: Dec 1976
NT1 reactor start-up
RT operation

start-up (fission reactor)
Use reactor start-up

start-up (reactor)
Use reactor start-up

starvation
Use fasting

state buildings
Use public buildings

state diagrams
Use phase diagrams

state enterprises
Use public enterprises

STATE GOVERNMENT
INIS: Nov 1980; ETDE: Aug 1977
(For the government of a major subdivision of a nation, e.g., the governments of the individual States of the United States of America. For the government of a nation state use NATIONAL GOVERNMENT.)
UF *provincial government*
RT compact commissions
RT government policies
RT institutional sector
RT legislation
RT local government
RT national government
RT public officials
RT regional cooperation
RT regulations
RT social services
RT state officials
RT us federal assistance programs

state liability
Use liabilities

STATE OFFICIALS
INIS: Apr 2000; ETDE: Nov 1979
UF *governors*
*BT1 public officials
RT state government

states (energy)
Use energy levels

static electricity eliminators
Use electrostatic charge eliminators

static experiment critical facility
Use stacy reactor

STATIC LOADS
INIS: Feb 1981; ETDE: Aug 1976
UF *loads (static)*
RT deformation
RT dynamic loads
RT mechanical tests
RT strain rate
RT stresses

STATIC MASS SPECTROMETERS
*BT1 mass spectrometers

static reservoir pressure
Use reservoir pressure

stationary low power plant-1
Use sl-1 reactor

stationary medium power plant-1
Use sm-1 reactor

stationary medium power plant-1a
Use sm-1a reactor

STATIONARY POLLUTANT SOURCES
INIS: Mar 1992; ETDE: Mar 1977
(Use for general articles when sources are not named. See also specific stationary sources, e.g., FOSSIL-FUEL POWERPLANTS.)
BT1 pollution sources
RT air pollution
RT emission
RT mobile pollutant sources
RT pollution
RT water pollution

STATISTICAL DATA
INIS: Sep 1980; ETDE: Jul 1980
(Use only in conjunction with literary indicator N for data flagging.)
*BT1 numerical data

STATISTICAL MECHANICS
BT1 mechanics
RT anyons
RT bbgky equation
RT boltzmann equation
RT boltzmann statistics
RT bose-einstein statistics
RT ergodic hypothesis
RT fermi statistics
RT kinetic equations
RT kinetics
RT kubo formula
RT liouville theorem
RT mean-field theory
RT occupation number
RT parastatistics
RT partition functions

STATISTICAL MODELS
UF *models (statistical)*
BT1 mathematical models
NT1 feynman gas model
NT1 thermodynamic model
NT2 hydrodynamic model
RT kriging
RT particle models
RT systems analysis

STATISTICS
(Limited to the indexing of information on the mathematical discipline of statistics or its application in nuclear science; for indexing numerical values of a statistical nature use STATISTICAL DATA.)
UF+ *kurtosis*
UF+ *skewness*
BT1 mathematics
NT1 game theory
NT1 kriging
NT1 multivariate analysis
NT1 regression analysis
NT1 time-series analysis
RT chaos theory
RT data covariances
RT degrees of freedom
RT expectation value
RT fault tree analysis
RT gauss function
RT maximum-likelihood fit
RT probabilistic estimation
RT probability
RT random phase approximation
RT stochastic processes
RT systems analysis
RT virial theorem
RT weighting functions

statni urad pro jadernou bezpecnost
Use sujb

STATORS
INIS: Jan 1977; ETDE: Jan 1975
RT armatures
RT machine parts
RT rotors

stauffer aquaclaus process
Use desulfurization

STEADY FLOW
SF *perfect flow*
BT1 fluid flow
NT1 ideal flow
RT steady-state conditions

STEADY-STATE CONDITIONS
(Reached when all transients fade out.)
RT equilibrium
RT standing waves
RT steady flow
RT steady-state fusion reactors
RT transients

STEADY-STATE D-T REACTORS
*BT1 d-t reactors
*BT1 steady-state fusion reactors

STEADY-STATE FUSION REACTORS
BT1 thermonuclear reactors
NT1 steady-state d-t reactors
RT steady-state conditions

STEAM
UF *steam coolant*
NT1 natural steam
RT bosch process
RT coolants
RT district heating
RT flash heating
RT flashed steam systems
RT flashing
RT mollier diagrams
RT rankine cycle engines
RT steam generation
RT steam generators
RT steam lines
RT steam quality
RT steam systems
RT steam-iron process
RT superheating
RT total flow systems
RT water
RT water vapor

STEAM CONDENSERS
UF *condensers (steam)*
BT1 vapor condensers
NT1 ice condensers
NT1 isolation condensers
RT film condensation
RT heat exchangers
RT heat transfer
RT reactor cooling systems
RT steam separators

steam coolant
Use steam

STEAM COOLED REACTORS
BT1 reactors
RT gas cooled reactors

steam drive process
Use fluid injection processes

steam explosion process
Use autohydrolysis

steam generating heavy water reactor
Use sghwr reactor

STEAM GENERATION
INIS: Jul 1986; ETDE: Oct 1975
NT1 cogeneration
RT refuse-fueled power plants
RT steam
RT steam generators

STEAM GENERATION PLANTS
INIS: Jan 1987; ETDE: Jun 1981
RT central heating plants
RT district heating
RT total energy systems

STEAM GENERATORS
UF *generators (steam)*
*BT1 vapor generators
RT boiler fuels
RT boiling
RT economizers
RT feedwater
RT heat exchangers
RT heat transfer
RT reactor cooling systems
RT steam
RT steam generation
RT superheaters
RT waterwall incinerators

STEAM INJECTION
INIS: Aug 1992; ETDE: Mar 1976
BT1 fluid injection
RT thermal recovery
RT well stimulation

STEAM-IRON PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Reactions in multiplicity of steel cylindrical retorts for hydrogen production.)
BT1 chemical reactions
RT hydrogen production
RT iron
RT steam

STEAM JET EJECTORS
BT1 vapor jet ejectors
RT reactor cooling systems

STEAM LINES
INIS: Nov 1975; ETDE: Jan 1975
BT1 pipelines
RT pipe whip
RT reactor cooling systems
RT steam
RT steam mufflers
RT steam systems
RT steam traps

STEAM MUFFLERS
INIS: Jul 1992; ETDE: Jan 1975
(For reduction of noise from escaping steam.)
RT noise
RT steam lines

STEAM QUALITY
RT steam
RT thermodynamics

STEAM REFORMER PROCESSES
INIS: Mar 1992; ETDE: Jan 1975
UF *segas process*
*BT1 reformer processes
RT gas recycle hydrogenation process
RT hydrogen production

STEAM SEPARATORS
UF *separators (steam)*
*BT1 vapor separators
RT flashed steam systems
RT reactor cooling systems
RT steam condensers

STEAM SOAK PROCESSES
INIS: Apr 2000; ETDE: Apr 1975
BT1 fluid injection processes
RT oil sands

STEAM STRIPPING
INIS: Apr 2000; ETDE: Dec 1984
*BT1 waste processing
BT1 water treatment
RT waste water

steam superheaters
Use superheaters

STEAM SYSTEMS
INIS: Jul 1994; ETDE: Jan 1975
SF *braun standard turbine island*
SF *c f braun standard turbine island*
BT1 energy systems
NT1 flashed steam systems
RT reactor cooling systems
RT steam
RT steam lines
RT steam traps

STEAM TRAPS
INIS: Mar 2000; ETDE: Apr 1979
(Devices that drain and remove condensate automatically from steam lines.)
BT1 traps
RT steam lines
RT steam systems

STEAM TURBINES
*BT1 turbines
RT flashed steam systems
RT gas turbines
RT reactor cooling systems

STEAMBOAT SPRINGS
INIS: Apr 2000; ETDE: Feb 1975
(Undeveloped geothermal field under exploration.)
*BT1 nevada

STEARATES
INIS: Apr 2000; ETDE: Nov 1976
BT1 carboxylic acid salts
RT octadecanoic acid

stearic acid
Use octadecanoic acid

steel-000kh18n13
Use chromium-nickel steels

steel-000kh20n16ag6
Use chromium-nickel steels

steel-000kh20n20
Use chromium alloys
AND nickel steels

steel-000kh25
Use stainless steels

steel-000kh28
Use stainless steels

steel-00kh20n32t
Use stainless steels

steel-03kh11n10m2t
Use steel-cr11ni10mo2ti-1

steel-03kh11n10m2tk6
Use chromium-nickel steels

steel-03kh13ag13
Use stainless steels

steel-08g2sfb
Use carbon steels

steel-08kh18n10t
Use steel-cr18ni10ti

steel-0kh16n15m3b
Use steel-cr16ni15mo3nb

steel-0kh18g8n2t
Use stainless steels

steel-0kh18n10t
Use steel-cr18ni10ti

steel-0kh18n9t
Use steel-cr18ni9ti

steel-0kh19nt
Use chromium-nickel steels

steel-0kh21n5t
Use chromium steels
AND nickel alloys

steel-0kh22n5t
Use chromium steels
AND nickel alloys

steel-1-kh18n20t3p
Use chromium alloys
AND nickel steels

steel-10cd9-10
Use steel-cr2mo

steel-10crninb910
Use steel-cr2moninb

steel-12kh1mf
Use steel-crmov

steel-12kh2mv8fb
Use steels

steel-12kh2nch
Use steel-ni3cr

steel-12kh2v5fb
Use steels

steel-12khm
Use steel-crmo

steel-12khn3
Use steel-ni3cr

steel-12khn3a
Use steel-ni3cr

steel-13cr6nimo
Use austenitic steels
AND chromium-nickel-molybdenum steels

steel-15cd9-10
Use steel-cr2mo

steel-15kh1m1f
Use steel-crmov

steel-15kh1m1fl
Use steel-crmov

steel-15kh2mfa
Use steel-cr2mov

steel-15khg2sfmr
Use chromium-molybdenum steels

steel-18kh16n6
Use chromium-nickel steels

steel-18kh2n4va
Use steel-ni4crw

steel-18mnv6
Use steels

steel-1kh12v2mf
Use chromium steels

steel-1kh16n14v2br ehp17
Use chromium-nickel steels

steel-1kh16n15m3b
Use steel-cr16ni15mo3nb

steel-1kh16n4b
Use chromium-nickel steels

steel-1kh18n10t
Use steel-cr18ni10ti

steel-1kh18n9
Use steel-cr18ni9

steel-1kh18n9t
Use steel-cr18ni9ti

steel-20kh
Use steel-crni

steel-20kh2n2m
Use chromium-nickel steels

steel-20khmf
Use chromium-molybdenum steels

steel-20khn3mf
Use chromium-nickel steels

steel-20m5
Use manganese steels

steel-20n14
Use low alloy steels
AND nickel alloys

steel-22nimocr37
Use steel-nimocr

steel-28cdv508
Use steel-crmov

steel-2kh13
Use steel-cr13

steel-2kh18n8v2
Use chromium-nickel steels

steel-2kh8v8m2k8
Use chromium-molybdenum steels

steel-30n9k4
Use nickel steels

steel-37khn3t
Use chromium alloys
AND nickel steels

steel-38kh5msfa
Use chromium-molybdenum steels

steel-38khmyua
Use steel-cralnimo

steel-3hk5s
Use steel-cr2moninb

steel-3kh15n13yu3
Use chromium-nickel steels

steel-40k14g18f
Use chromium steels
AND manganese alloys
AND vanadium alloys

steel-40kh
Use steel-crni

steel-40kh13n8g8
Use austenitic steels
AND chromium-nickel steels
AND manganese alloys

steel-40kh2n5sm
Use chromium alloys
AND nickel steels

steel-40khn
Use steel-nicr

steel-40khnma
Use steel-nicrmo

steel-42kh2gsnm
Use chromium-nickel-molybdenum steels

steel-4kh12n8g8mfb
Use chromium-nickel steels

steel-4kh14nv2m
Use chromium-nickel steels

steel-5kh2mf
Use steel-crmov

steel-60kh3g8n8v
See chromium alloys
OR steels

steel-7kh18n9
Use steel-cr18ni9

steel-9cr
Use steel-cr10mo2

steel-9kh18
Use steel-cr18

steel-9khs
Use chromium steels

STEEL-ASTM-A105
INIS: Apr 2000; ETDE: May 1979
*BT1 carbon steels

STEEL-ASTM-A106
*BT1 carbon steels

STEEL-ASTM-A212
*BT1 carbon steels

STEEL-ASTM-A285
INIS: Feb 1981; ETDE: Dec 1978
UF *a 285 steel*
*BT1 carbon steels

STEEL-ASTM-A302
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-mnmo

STEEL-ASTM-A350
INIS: Apr 2000; ETDE: Dec 1974
*BT1 low alloy steels

steel-astm-a350 (gr 1)
Use carbon steels

steel-astm-a350 (gr 2)
Use carbon steels

steel-astm-a350 (gr 3)
Use low alloy steels
AND nickel alloys

steel-astm-a350 (gr 4)
Use steel-crni

STEEL-ASTM-A387
INIS: Apr 2000; ETDE: Mar 1979
*BT1 low alloy steels

steel-astm-a387 (gr 11)
Use steel-crmo

steel-astm-a387 (gr 12)
Use steel-crmo

steel-astm-a387 (gr 2)
Use steel-crmo

steel-astm-a387 (gr 21)
Use steel-cr2mo

steel-astm-a387 (gr 22)
Use steel-cr2mo

steel-astm-a387 (gr 5)
Use steel-cr5mo

steel-astm-a416
Use carbon steels

STEEL-ASTM-A508
*BT1 low alloy steels

steel-astm-a508 (gr 2)
Use steel-nimocr

steel-astm-a508 (gr 3)
Use steel-mnnimo

steel-astm-a508 (gr 4)
Use steel-ni3crmo

steel-astm-a508 (gr 5)
Use steel-ni3crmov

STEEL-ASTM-A516
INIS: May 1976; ETDE: Feb 1976
*BT1 carbon steels

STEEL-ASTM-A533
(For grade A or B use STEEL-MNNIMO, and for grade C or D use STEEL-MNMO.)
*BT1 low alloy steels

steel-astm-a533 (gr a)
Use steel-mnnimo

steel-astm-a533 (gr b)
Use steel-astm-a533-b

steel-astm-a533 (gr c)
Use steel-mnmo

steel-astm-a533 (gr d)
Use steel-mnmo

STEEL-ASTM-A533-B
INIS: May 1999; ETDE: Dec 1974
UF *steel-astm-a533 (gr b)*
*BT1 carbon steels
*BT1 steel-mnnimo

STEEL-ASTM-A537
INIS: Nov 1983; ETDE: Jan 1981
*BT1 steel-mncumo

STEEL-ASTM-A542
INIS: Nov 1983; ETDE: Dec 1974
*BT1 steel-cr2mo

STEEL-ASTM-A543
INIS: Nov 1983; ETDE: Apr 1975
*BT1 steel-ni3crmo

STEEL-ASTM-A572
INIS: Apr 2000; ETDE: Dec 1979
*BT1 steels

STEEL-CD-4MCU
INIS: Apr 2000; ETDE: Sep 1979
UF *cd-4mcu*
*BT1 chromium alloys
*BT1 copper alloys
*BT1 corrosion resistant alloys
*BT1 iron base alloys
*BT1 molybdenum alloys
*BT1 nickel alloys

STEEL-CR10MO2
INIS: Mar 1988; ETDE: Nov 1989
UF *steel-9cr*
UF *steel-jfms*
*BT1 chromium steels
*BT1 martensitic steels
*BT1 molybdenum alloys
RT first wall

STEEL-CR11NI10MO2TI-L
UF *steel-03kh11n10m2t*
UF *steel-ehp 678*
UF *steel-ehp 679*
UF *steel-ehp678*
UF *steel-ehp679*
*BT1 chromium-nickel-molybdenum steels
*BT1 corrosion resistant alloys
*BT1 low carbon-high alloy steels
*BT1 titanium alloys

STEEL-CR12
UF *steel-kh12*
*BT1 chromium steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 martensitic steels
NT1 stainless steel-403

STEEL-CR12MONIV
INIS: Feb 1984; ETDE: Nov 1990
UF *steel-x20crmov 121*
*BT1 chromium steels
*BT1 corrosion resistant alloys
*BT1 ferritic steels
*BT1 heat resisting alloys
*BT1 molybdenum additions
*BT1 nickel additions
*BT1 vanadium additions

STEEL-CR12MOV
INIS: Sep 1979; ETDE: Nov 1983
UF *steel-ht-9*
UF *steel-kh12m*
*BT1 chromium steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 martensitic steels
*BT1 molybdenum additions
*BT1 vanadium additions
NT1 alloy-ht-9

STEEL-CR13
UF *croloy 12*
UF *steel-2kh13*
UF *steel-kh13*
*BT1 chromium steels
*BT1 corrosion resistant alloys
*BT1 croloy
*BT1 heat resisting alloys
*BT1 martensitic steels
NT1 stainless steel-410

STEEL-CR13AL
*BT1 aluminium additions
*BT1 chromium steels
*BT1 corrosion resistant alloys
*BT1 ferritic steels
*BT1 heat resisting alloys
NT1 stainless steel-405

steel-cr13mn8ni8
Use austenitic steels
AND chromium-nickel steels
AND manganese alloys

steel-cr13ni6mo-l
Use austenitic steels
AND chromium-nickel-molybdenum steels
AND low carbon-high alloy steels

STEEL-CR15NI15MOTIB
UF *steel-din-1-4970*
*BT1 austenitic steels
*BT1 boron additions
*BT1 chromium-nickel-molybdenum steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 titanium additions

STEEL-CR16
UF *croloy 18*
*BT1 chromium steels
*BT1 corrosion resistant alloys
*BT1 croloy
*BT1 ferritic steels
*BT1 heat resisting alloys
NT1 stainless steel-430

STEEL-CR16NI
INIS: Mar 1977; ETDE: Nov 1983
(From April 1977 till March 1997 STAINLESS STEEL-431 was a valid ETDE descriptor.)
UF *stainless steel-431*
*BT1 chromium steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 martensitic steels
*BT1 nickel alloys

STEEL-CR16NI13MONBV
UF *steel-din-1-4988*
*BT1 austenitic steels
*BT1 chromium-nickel-molybdenum steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 niobium additions
*BT1 vanadium additions

STEEL-CR16NI15MO3NB
INIS: Nov 1975; ETDE: Nov 1983
UF *steel-0kh16n15m3b*
UF *steel-1kh16n15m3b*
UF *steel-kh16n15m3b*
*BT1 austenitic steels
*BT1 chromium-nickel-molybdenum steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 niobium additions

STEEL-CR16NI16MONB
UF *steel-din-1-4981*
*BT1 austenitic steels
*BT1 chromium-nickel-molybdenum steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 niobium additions

STEEL-CR16NI8MO2
INIS: Sep 1979; ETDE: Nov 1983
*BT1 austenitic steels
*BT1 chromium-nickel-molybdenum steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
NT1 stainless steel-16-8-2

STEEL-CR16NI9MO2
Jan 2003
UF *steel-kh16n9m2*
*BT1 chromium-nickel-molybdenum steels
*BT1 manganese additions
*BT1 silicon additions

STEEL-CR17CU4NI4NB-L
*BT1 chromium steels
*BT1 copper alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 low carbon-high alloy steels
*BT1 martensitic steels
*BT1 nickel alloys
*BT1 niobium additions
NT1 stainless steel-17-4ph

steel-cr17mn15nni
Use stainless steels

STEEL-CR17MO
*BT1 chromium steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 martensitic steels
*BT1 molybdenum additions
NT1 stainless steel-440

STEEL-CR17NI12MO3
UF *stainless steel-z6cnd17-12*
UF *steel-din-1-4919*
*BT1 austenitic steels
*BT1 chromium-nickel-molybdenum steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
NT1 stainless steel-316

STEEL-CR17NI12MO3-L
UF *stainless steel-z2cnd17-12*
UF *stainless steel-z3cnd17-12*
*BT1 austenitic steels
*BT1 chromium-nickel-molybdenum steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 low carbon-high alloy steels
NT1 stainless steel-316l
NT1 stainless steel-zcnd17-13

STEEL-CR17NI12MONB
UF *stainless steel-fv548*
*BT1 austenitic steels
*BT1 chromium-nickel-molybdenum steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 niobium additions

STEEL-CR17NI13
INIS: Sep 1985; ETDE: Nov 1990
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys

STEEL-CR17NI13MO2TI
UF *steel-kh17n13m2t*
*BT1 austenitic steels
*BT1 chromium-nickel-molybdenum steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 titanium additions

STEEL-CR17NI13MO3TI
UF *alloy-ehi 183*
UF *alloy-ehi 397*
UF *alloy-ehi 432*
UF *steel-kh17n13m3t*
*BT1 austenitic steels
*BT1 chromium-nickel-molybdenum steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 titanium additions

STEEL-CR17NI4MO3
(From 1974 till March 1997 STAINLESS STEEL-AM-350 was a valid ETDE descriptor.)
UF *stainless steel-am-350*
*BT1 chromium steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 molybdenum alloys
*BT1 nickel alloys

STEEL-CR17NI7
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
NT1 stainless steel-301

STEEL-CR18
UF *steel-9kh18*
UF *steel-kh18*
*BT1 chromium steels
*BT1 corrosion resistant alloys
*BT1 martensitic steels

STEEL-CR18NI10
INIS: Nov 1975; ETDE: Nov 1983
UF *croloy 3035*
UF *stainless steel-z6cn18-10*
UF *steel-kh18n10*
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 croloy
*BT1 heat resisting alloys
NT1 stainless steel-18-10

STEEL-CR18NI10-L
(From May 1979 till March 1997 STAINLESS STEEL-Z2CN18-10 was a valid ETDE descriptor.)
UF *stainless steel-z2cn18-10*
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 low carbon-high alloy steels

STEEL-CR18NI10TI
UF *stainless steel-z6cnt18-10*
UF *stainless steel-z8cnt18-10*
UF *steel-08kh18n10t*
UF *steel-0kh18n10t*
UF *steel-1kh18n10t*
UF *steel-kh18n10t*
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 titanium additions
NT1 stainless steel-321

STEEL-CR18NI11
UF *steel-din-1-4948*
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
NT1 steel-x6crni1811

STEEL-CR18NI11NB
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 niobium additions
NT1 stainless steel-347

STEEL-CR18NI11NBCO
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 cobalt additions
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 niobium additions
NT1 stainless steel-348

STEEL-CR18NI12
INIS: Jul 1976; ETDE: Nov 1983
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
NT1 stainless steel-305

STEEL-CR18NI12TI
UF *steel-kh18n12t*
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 titanium additions

STEEL-CR18NI8
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
NT1 stainless steel-18-8

STEEL-CR18NI9
UF *steel-1kh18n9*
UF *steel-7kh18n9*
UF *steel-din-1-4301*
UF *steel-kh18n9*
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
NT1 stainless steel-302

STEEL-CR18NI9TI
UF *steel-0kh18n9t*
UF *steel-1kh18n9t*
UF *steel-kh18n9t*
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 titanium additions

STEEL-CR19NI10
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
NT1 stainless steel-304

STEEL-CR19NI10-L
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 low carbon-high alloy steels
NT1 stainless steel-304l

STEEL-CR20NI11
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
NT1 stainless steel-308

STEEL-CR20NI11-L
INIS: May 1980; ETDE: Nov 1983
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 low carbon-high alloy steels
NT1 stainless steel-308l

STEEL-CR21MN9NI6
INIS: Sep 1980; ETDE: Nov 1983
*BT1 austenitic steels
*BT1 chromium alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 manganese alloys
*BT1 nickel alloys
*BT1 nitrogen additions
*BT1 stainless steels
NT1 stainless steel-21-6-9

steel-cr21ni5ti
Use chromium steels
AND nickel alloys

steel-cr22ni5ti
Use chromium steels
AND nickel alloys

STEEL-CR23NI14
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
NT1 stainless steel-309
NT1 stainless steel-309s

STEEL-CR23NI18
UF *steel-kh23n18*
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys

STEEL-CR25
UF *steel-kh25*
*BT1 chromium steels
*BT1 corrosion resistant alloys
*BT1 ferritic steels
*BT1 heat resisting alloys
NT1 stainless steel-446

STEEL-CR25NI20
UF *alloy-ck-20*
UF *hk 40*
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
NT1 alloy-hk-40
NT1 stainless steel-310

steel-cr26ni5mo-l
Use chromium steels
AND low carbon-high alloy steels
AND molybdenum alloys
AND nickel alloys

STEEL-CR2MO
(From May 1979 till March 1997 STEEL-10CD9-10 was a valid ETDE descriptor; from May 1979 till June 1989 STEEL-15CD9-10 was a valid ETDE descriptor.)
UF *croloy 2*
UF *steel-10cd9-10*
UF *steel-15cd9-10*
UF *steel-astm-a387 (gr 21)*
UF *steel-astm-a387 (gr 22)*

*BT1 chromium alloys
*BT1 croloy
*BT1 low alloy steels
*BT1 molybdenum additions
NT1 steel-astm-a542

STEEL-CR2MONINB
UF *sandvik-ht8x6*
UF *steel-10crninb910*
UF *steel-3hk5s*
UF *steel-din-1-6770*
*BT1 chromium alloys
*BT1 heat resisting alloys
*BT1 low alloy steels
*BT1 molybdenum additions
*BT1 nickel additions
*BT1 niobium additions
RT ferrite

STEEL-CR2MOV
INIS: Nov 1981; ETDE: Nov 1983
UF *steel-15kh2mfa*
*BT1 chromium alloys
*BT1 copper additions
*BT1 heat resisting alloys
*BT1 low alloy steels
*BT1 molybdenum additions
*BT1 nickel additions
*BT1 vanadium additions

STEEL-CR2NIMOV
INIS: May 1986; ETDE: Nov 1990
*BT1 chromium alloys
*BT1 copper additions
*BT1 low alloy steels
*BT1 molybdenum additions
*BT1 nickel alloys
*BT1 vanadium additions

STEEL-CR5MO
INIS: Nov 1983; ETDE: Nov 1983
UF *croloy 5*
UF *steel-astm-a387 (gr 5)*
UF *steel-kh5m*
*BT1 chromium alloys
*BT1 croloy
*BT1 low alloy steels
*BT1 molybdenum additions

STEEL-CR9MO
INIS: Feb 1984; ETDE: Nov 1990
*BT1 chromium steels
*BT1 ferritic steels
*BT1 molybdenum additions

STEEL-CR9MONBV
(Until October 1996 this was a valid descriptor.)
UF *steel-z10cdnbv9*
*BT1 chromium steels
*BT1 ferritic steels
*BT1 molybdenum alloys
*BT1 niobium additions
*BT1 vanadium additions

STEEL-CRALNIMO
UF *steel-38khmyua*
*BT1 aluminium additions
*BT1 chromium alloys
*BT1 low alloy steels
*BT1 molybdenum additions
*BT1 nickel additions

STEEL-CRMO
UF *steel-12khm*
UF *steel-astm-a387 (gr 11)*
UF *steel-astm-a387 (gr 12)*
UF *steel-astm-a387 (gr 2)*
*BT1 chromium additions
*BT1 low alloy steels
*BT1 molybdenum additions
*BT1 nickel additions

STEEL-CRMOV
UF *steel-12kh1mf*
UF *steel-15kh1m1f*
UF *steel-15kh1m1fl*
UF *steel-28cdv508*
UF *steel-5kh2mf*
*BT1 chromium alloys
*BT1 copper additions
*BT1 low alloy steels
*BT1 molybdenum additions
*BT1 nickel additions
*BT1 vanadium additions

STEEL-CRNI
UF *steel-20kh*
UF *steel-40kh*
UF *steel-astm-a350 (gr 4)*
*BT1 chromium additions
*BT1 copper additions
*BT1 low alloy steels
*BT1 nickel additions

steel-din-1-4301
Use steel-cr18ni9

steel-din-1-4449
Use chromium-nickel steels

steel-din-1-4919
Use steel-cr17ni12mo3

steel-din-1-4948
Use steel-cr18ni11

steel-din-1-4970
Use steel-cr15ni15motib

steel-din-1-4981
Use steel-cr16ni16monb

steel-din-1-4988
Use steel-cr16ni13monbv

steel-din-1-6310
Use steel-mnnimo

steel-din-1-6342
Use steel-mnnimov

steel-din-1-6343
Use steel-mnnimo

steel-din-1-6348
Use low alloy steels
AND nickel alloys

steel-din-1-6742
Use steel-ni3crmo

steel-din-1-6751
Use steel-nimocr

steel-din-1-6770
Use steel-cr2moninb

steel-din-1-6950
Use steel-ni3crmov

steel-ehp 678
Use steel-cr11ni10mo2ti-l

steel-ehp 679
Use steel-cr11ni10mo2ti-l

steel-ehp678
Use steel-cr11ni10mo2ti-l

steel-ehp679
Use steel-cr11ni10mo2ti-l

steel-ehp699
Use chromium-nickel-molybdenum steels

steel-ht-9
Use steel-cr12mov

STEEL-IN-787
INIS: Apr 2000; ETDE: Aug 1976
*BT1 carbon steels
*BT1 copper alloys
*BT1 molybdenum alloys
*BT1 nickel alloys
*BT1 niobium alloys

steel industry
Use metal industry

steel-jfms
Use steel-cr10mo2

steel-kh12
Use steel-cr12

steel-kh12m
Use steel-cr12mov

steel-kh12n20t3p
Use chromium alloys
AND nickel steels

steel-kh13
Use steel-cr13

steel-kh13s2yu2bt
Use chromium steels

steel-kh14k9n6m5
Use chromium-nickel-molybdenum steels

steel-kh14n8yum2
Use chromium-nickel steels

steel-kh15n20m2t2
Use chromium-nickel-molybdenum steels

steel-kh15n7yum2
Use chromium-nickel steels

steel-kh15n9yu
Use chromium-nickel steels

steel-kh16n15m3b
Use steel-cr16ni15mo3nb

steel-kh16n9m2
Use steel-cr16ni9mo2

steel-kh17n13m2t
Use steel-cr17ni13mo2ti

steel-kh17n13m3t
Use steel-cr17ni13mo3ti

steel-kh17n5m3
Use chromium-nickel-molybdenum steels

steel-kh18
Use steel-cr18

steel-kh18n10
Use steel-cr18ni10

steel-kh18n10t
Use steel-cr18ni10ti

steel-kh18n12t
Use steel-cr18ni12ti

steel-kh18n22v2t2
Use chromium alloys
AND nickel steels

steel-kh18n8
Use chromium-nickel steels

steel-kh18n9
Use steel-cr18ni9

steel-kh18n9t
Use steel-cr18ni9ti

steel-kh20n45b
Use alloy-ni45fe34cr20

steel-kh23n18
Use steel-cr23ni18

steel-kh25
Use steel-cr25

steel-kh5m
Use steel-cr5mo

steel-khn35vt
Use chromium alloys
AND nickel steels

STEEL-MNCUMO
INIS: Mar 1981; ETDE: Nov 1983
*BT1 chromium additions
*BT1 copper additions
*BT1 low alloy steels
*BT1 manganese alloys
*BT1 molybdenum additions
*BT1 nickel additions
NT1 steel-astm-a537

STEEL-MNMO
UF *steel-astm-a533 (gr c)*
UF *steel-astm-a533 (gr d)*
*BT1 low alloy steels
*BT1 manganese alloys
*BT1 molybdenum additions
NT1 steel-astm-a302

STEEL-MNNIMO
UF *steel-astm-a508 (gr 3)*
UF *steel-astm-a533 (gr a)*
UF *steel-din-1-6310*
UF *steel-din-1-6343*
*BT1 low alloy steels
*BT1 manganese alloys
*BT1 molybdenum additions
*BT1 nickel additions
NT1 steel-astm-a533-b

STEEL-MNNIMOV
INIS: Jul 1980; ETDE: Nov 1983
UF *steel-din-1-6342*
*BT1 low alloy steels
*BT1 manganese alloys
*BT1 molybdenum additions
*BT1 nickel alloys
*BT1 vanadium additions

steel-n26kht1
Use chromium alloys
AND nickel steels

steel-n36khtyu
Use steel-ni36cr12ti3al-l

steel-ni17cr14moti-l
Use austenitic steels
AND chromium-nickel-molybdenum steels
AND low carbon-high alloy steels

STEEL-NI25CR20
*BT1 austenitic steels
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
NT1 stainless steel-20-25

STEEL-NI26CR15TI2MOVALB
*BT1 aluminium additions
*BT1 austenitic steels
*BT1 boron additions
*BT1 chromium-nickel-molybdenum steels
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 titanium alloys
*BT1 vanadium additions
NT1 alloy-a-286

STEEL-NI36CR12TI3AL-L
UF *steel-n36khtyu*
SF *alloy-ehi 702*
*BT1 aluminium additions
*BT1 chromium-nickel steels
*BT1 corrosion resistant alloys
*BT1 low carbon-high alloy steels
*BT1 titanium alloys

steel-ni36cr18
Use austenitic steels
AND chromium-nickel steels

STEEL-NI3CR
UF *steel-12kh2nch*
UF *steel-12khn3*
UF *steel-12khn3a*
*BT1 chromium additions
*BT1 copper additions
*BT1 low alloy steels
*BT1 nickel alloys

STEEL-NI3CRMO
UF *steel-astm-a508 (gr 4)*
UF *steel-din-1-6742*
*BT1 chromium alloys
*BT1 low alloy steels
*BT1 molybdenum additions
*BT1 nickel alloys
*BT1 vanadium additions
NT1 steel-astm-a543

STEEL-NI3CRMOV
INIS: Jul 1980; ETDE: Nov 1983
UF *steel-astm-a508 (gr 5)*
UF *steel-din-1-6950*
*BT1 chromium alloys
*BT1 low alloy steels
*BT1 molybdenum additions
*BT1 nickel alloys
*BT1 vanadium additions

steel-ni3mov
Use low alloy steels
AND nickel alloys

steel-ni4
Use low alloy steels
AND nickel alloys

STEEL-NI4CRW
UF *steel-18kh2n4va*
*BT1 chromium alloys
*BT1 copper additions
*BT1 low alloy steels
*BT1 nickel alloys
*BT1 tungsten additions

STEEL-NICR
UF *steel-40khn*
*BT1 chromium additions
*BT1 copper additions
*BT1 low alloy steels
*BT1 nickel alloys

STEEL-NICRMO
UF *steel-40khnma*
*BT1 chromium additions
*BT1 copper additions
*BT1 low alloy steels
*BT1 molybdenum additions
*BT1 nickel alloys
*BT1 nitrogen additions

STEEL-NIMOCR
UF *steel-22nimocr37*
UF *steel-astm-a508 (gr 2)*
UF *steel-din-1-6751*
*BT1 chromium additions
*BT1 heat resisting alloys
*BT1 low alloy steels
*BT1 molybdenum additions
*BT1 nickel additions

steel-r18
Use chromium steels

steel-sae-1006
Use carbon steels

STEEL-SAE-1045
INIS: Apr 2000; ETDE: Jun 1979
*BT1 carbon steels

steel vnt
Use manganese steels

steel-vzh102
Use chromium alloys
AND nickel steels

steel-x20crmov 121
Use steel-cr12moniv

STEEL-X6CRNI1811
*BT1 steel-cr18ni11

steel-z10cdnbv9
Use steel-cr9monbv

steel-z10cdv7
Use chromium-molybdenum steels

STEELS
UF *steel-12kh2mv8fb*
UF *steel-12kh2v5fb*
UF *steel-18mnv6*
SF *steel-60kh3g8n8v*
*BT1 carbon additions
*BT1 iron base alloys
NT1 austenitic steels
NT2 steel-cr15ni15motib
NT2 steel-cr16ni13monbv
NT2 steel-cr16ni15mo3nb
NT2 steel-cr16ni16monb
NT2 steel-cr16ni8mo2
NT3 stainless steel-16-8-2
NT2 steel-cr17ni12mo3
NT3 stainless steel-316
NT2 steel-cr17ni12mo3-l
NT3 stainless steel-316l
NT3 stainless steel-zcnd17-13
NT2 steel-cr17ni12monb
NT2 steel-cr17ni13
NT2 steel-cr17ni13mo2ti
NT2 steel-cr17ni13mo3ti
NT2 steel-cr17ni7
NT3 stainless steel-301
NT2 steel-cr18ni10
NT3 stainless steel-18-10
NT2 steel-cr18ni10-l
NT2 steel-cr18ni10ti
NT3 stainless steel-321
NT2 steel-cr18ni11
NT3 steel-x6crni1811
NT2 steel-cr18ni11nb
NT3 stainless steel-347
NT2 steel-cr18ni11nbco
NT3 stainless steel-348
NT2 steel-cr18ni12
NT3 stainless steel-305
NT2 steel-cr18ni12ti
NT2 steel-cr18ni8
NT3 stainless steel-18-8
NT2 steel-cr18ni9

NT2 steel-cr17cu4ni4nb-l
NT3 stainless steel-17-4ph
NT2 steel-cr17mo
NT3 stainless steel-440
NT2 steel-cr18
NT1 nickel steels
NT2 sweetalloy
NT1 steel-astm-a572
RT bainite
RT cementite
RT decarburization
RT ferrite
RT martensite
RT pearlite

steenstrupine
Use phosphate minerals
AND silicate minerals
AND thorium minerals
AND uranium minerals

STEK REACTOR
UF *krito critical assembly*
UF *petten stek reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 thermal reactors

STELLAR ACTIVITY
INIS: Dec 1984; ETDE: Dec 1984
NT1 starspots
NT2 sunspots
NT1 stellar flares
NT2 solar flares
NT1 stellar winds
NT2 solar wind
RT cosmic radiation
RT stars
RT stellar radiation

STELLAR ATMOSPHERES
(For the Sun use SOLAR ATMOSPHERE or one of its NTs.)
BT1 atmospheres
NT1 solar atmosphere
NT2 chromosphere
NT2 heliosphere
NT2 photosphere
NT2 solar corona
NT1 stellar chromospheres
NT1 stellar coronae
NT2 solar corona
NT1 stellar magnetospheres
RT stars
RT starspots

stellar burning
Use star burning

STELLAR CHROMOSPHERES
INIS: Nov 1984; ETDE: Dec 1984
*BT1 stellar atmospheres

STELLAR CORONAE
INIS: Feb 1984; ETDE: Mar 1984
(For the Sun use SOLAR CORONA.)
UF *coronae (stellar)*
*BT1 stellar atmospheres
NT1 solar corona

STELLAR FLARES
(For the Sun use SOLAR FLARES.)
BT1 stellar activity
NT1 solar flares
RT stars
RT starspots
RT stellar winds

STELLAR MAGNETOSPHERES
UF *magnetospheres (stellar)*
*BT1 stellar atmospheres
RT magnetic stars

STELLAR RADIATION
INIS: Feb 1976; ETDE: Jul 1975
BT1 radiations
NT1 solar radiation
NT2 diffuse solar radiation
NT2 direct solar radiation
NT2 solar particles
NT3 solar alpha particles
NT3 solar electrons
NT3 solar neutrinos
NT3 solar neutrons
NT3 solar protons
NT2 solar radiowave radiation
RT cosmic radiation
RT stellar activity

stellar spots
Use starspots

STELLAR WINDS
(For the Sun use SOLAR WIND.)
SF *mass loss*
BT1 stellar activity
NT1 solar wind
RT stars
RT stellar flares

STELLARATOR MODEL C
*BT1 stellarators

STELLARATOR TYPE REACTORS
INIS: May 1983; ETDE: Sep 1976
BT1 thermonuclear reactors
RT stellarators

STELLARATORS
(CLASP DEVICE, PULSATOR STELLARATOR, TOR DEVICES, and W STELLARATORS have been valid ETDE descriptors.)
UF *clasp device*
UF *pulsator stellarator*
UF *tor devices*
*BT1 closed plasma devices
NT1 cleo stellarator
NT1 heliac stellarators
NT2 h-1 heliac
NT2 hsx stellarator
NT2 sheila heliac
NT2 tj-ii heliac
NT1 heliotron-e stellarator
NT1 ims stellarator
NT1 jipp stellarator
NT1 jippt-2 device
NT1 l-2 stellarator
NT1 proto-cleo stellarators
NT1 sirius device
NT1 stellarator model c
NT1 torsatron stellarators
NT2 atf torsatron
NT2 chs torsatron
NT2 tj-iu torsatron
NT2 vint torsatron
NT1 uragan stellarator
NT1 wega stellarator
NT1 wendelstein-2b stellarator
NT1 wendelstein-7 stellarator
RT banana regime
RT divertors
RT kruskal limit
RT magnetic surfaces
RT marfe
RT mode rational surfaces
RT pfirsch-schlueter regime
RT plasma radial profiles
RT sawtooth oscillations
RT stellarator type reactors

STELLITE
UF+ *alloy-co62cr28mo6ni3*
UF+ *alloy-co64cr29w4*
UF+ *alloy-co66cr26w6*
UF+ *alloy-hs-21*
UF+ *haynes stellite no 21*
UF+ *stellite 156*
*BT1 cobalt base alloys
NT1 alloy-co54cr20w15ni10
NT2 alloy-hs-25
NT2 haynes 25 alloy
NT1 alloy-co60cr30w4
NT2 stellite 6
NT1 alloy-hs-31

stellite 156
Use chromium alloys
AND stellite
AND tungsten alloys

STELLITE 6
INIS: Nov 1983; ETDE: Oct 1978
UF *alloy-hs-6*
UF *stoody*
*BT1 alloy-co60cr30w4

stellite 6 (deloro)
Use deloro stellite 6

stem (plant)
Use plant stems

STEM CELLS
*BT1 somatic cells
RT blood formation
RT bone marrow
RT cfu
RT spermatogenesis

STEMMING MATERIALS
INIS: Apr 2000; ETDE: Aug 1979
BT1 materials
RT boreholes
RT grouting

STENDAL-1 REACTOR
INIS: Aug 1986; ETDE: Sep 1986
(Stendal, Federal Republic of Germany.)
*BT1 wwer type reactors

stepanov method
See inverted stepanov method

STEREOCHEMISTRY
RT enantiomorphs
RT isomers
RT ligands
RT molecular structure
RT optical activity
RT racemates
RT racemization

STERILE INSECT RELEASE
RT agriculture
RT insect dispersal
RT pest control
RT radiosterilization
RT sterile male technique
RT sterility
RT sterilization

STERILE MALE TECHNIQUE
RT agriculture
RT insect dispersal
RT insects
RT mass rearing
RT parasites
RT pest control
RT radiosterilization
RT sterile insect release
RT sterilization

STERILITY
RT fertility
RT genetic control
RT reproductive disorders
RT sterile insect release

STERILIZATION
UF *disinfection*
NT1 radiosterilization
NT2 radappertization
RT bacterial spores
RT chemosterilants
RT disinfestation
RT food
RT germicides
RT grain disinfestation
RT inactivation
RT pasteurization
RT preservation
RT sterile insect release
RT sterile male technique

STERLING-1 REACTOR
*BT1 pwr type reactors

STERLING-2 REACTOR
INIS: Apr 2000; ETDE: Jan 1975
*BT1 pwr type reactors

STERLING EVENT
BT1 vela project

STERN-GERLACH EXPERIMENT
RT beams
RT measuring methods
RT spin orientation

STERNHEIMER FORMULA
RT multipoles

STEROID HORMONES
BT1 hormones
NT1 androgens
NT2 androstenedione
NT2 androsterone
NT2 hydroxyandrostenone
NT2 testosterone
NT1 corticosteroids
NT2 glucocorticoids
NT3 corticosterone
NT3 cortisone
NT3 dexamethasone
NT3 hydrocortisone
NT3 prednisolone
NT3 prednisone
NT2 mineralocorticoids
NT3 aldosterone
NT1 estrogens
NT2 estradiol
NT2 estriol
NT2 estrone
NT1 progesterone
RT adrenal hormones

STEROIDS
BT1 organic compounds
NT1 androstanes
NT2 androgens
NT3 androstenedione
NT3 androsterone
NT3 hydroxyandrostenone
NT3 testosterone
NT1 estranes
NT2 estradiol
NT2 estriol
NT2 estrone
NT1 pregnanes
NT2 corticosteroids
NT3 glucocorticoids
NT4 corticosterone
NT4 cortisone
NT4 dexamethasone
NT4 hydrocortisone
NT4 prednisolone
NT4 prednisone
NT3 mineralocorticoids
NT4 aldosterone
NT2 hydroxypregnenone
NT2 progesterone
NT1 sterols
NT2 bile acids
NT3 cholic acid
NT2 cholesterol
NT2 ergosterol
NT2 sitosterol
RT cardiotonics
RT hormones
RT urinary ketosteroids

STEROLS
UF+ *lanolin*
UF+ *wool fat*
*BT1 hydroxy compounds
*BT1 steroids
NT1 bile acids
NT2 cholic acid
NT1 cholesterol
NT1 ergosterol
NT1 sitosterol

stes
Use seasonal thermal energy storage

STF REACTOR
INIS: Jun 1977; ETDE: Nov 1976
UF *safety test facility reactor*
*BT1 air cooled reactors
*BT1 fast reactors
*BT1 research reactors
*BT1 test reactors

STH
UF *growth hormone*
UF *somatotropic hormone*
*BT1 pituitary hormones
RT acromegaly
RT anabolism
RT growth
RT hpl
RT somatostatin

stiffness
Use flexibility

stilbamidine
Use amidines

STILBENE
UF *1,2-diphenylethylene*
*BT1 aromatics
*BT1 hydrocarbons
RT organic crystal phosphors
RT stilbestrol

STILBESTROL
*BT1 polyphenols
RT estrogens
RT stilbene

still gas
Use refinery gases

STILLAGE
INIS: Apr 2000; ETDE: Nov 1980
(The mash from an alcoholic fermentation after removal of the alcohol in a still.)
*BT1 organic wastes
RT distillation
RT distillers dried grains
RT fermentation
RT waste product utilization

stilton-hushed echo event
Use bedrock project

stimulants (central nervous system)
Use analeptics

STIMULATED EMISSION
BT1 emission
BT1 energy-level transitions
NT1 superradiance
RT einstein coefficients
RT electrical pumping
RT electron beam pumping
RT gasers
RT lasers
RT masers
RT nuclear pumping
RT optical pumping

stimulated emission devices
See gasers
OR lasers
OR masers

STIMULATION
UF+ *growth stimulation*
NT1 well stimulation
NT2 explosive stimulation
RT hormones
RT metabolic activation
RT mitogens
RT stimuli

stimulation (explosive)
Use explosive stimulation

STIMULI
RT bioelectricity
RT stimulation

STIR REACTOR
UF *shield test reactor*
UF *str reactor (shield test)*
*BT1 enriched uranium reactors
*BT1 hydride moderated reactors
*BT1 pool type reactors
*BT1 thermal reactors

STIRLING CYCLE
BT1 thermodynamic cycles
RT stirling engines
RT thermodynamics

STIRLING ENGINES
(Engines that operate on the stirling thermodynamic cycle.)
*BT1 heat engines
RT aaps
RT regeneration
RT regenerators
RT solar heat engines
RT stirling cycle

STIRRING
RT mixing
RT turbulence

STISHOVITE
INIS: Apr 2000; ETDE: Oct 1977
(A mineral consisting essentially of silicon dioxide.)
*BT1 oxide minerals
RT silicon oxides

stm
Use scanning tunneling microscopy

STOCHASTIC COOLING
INIS: Aug 1981; ETDE: Oct 1979
(Gradual reduction of emittance of coasting charged-particle beams by feedback sensing

and correcting statistical fluctuations of beam position or momentum.)
BT1 beam cooling
NT1 momentum cooling

stochastic momentum cooling
Use momentum cooling

STOCHASTIC PROCESSES
NT1 markov process
RT chaos theory
RT chapman-kolmogorov equation
RT gaussian processes
RT monte carlo method
RT statistics

STOCKBARGER METHOD
BT1 crystal growth methods
RT crystal growth

stockholm r-1 reactor
Use r-1 reactor

STOCKPILES
INIS: Apr 1984; ETDE: Feb 1975
(Until July 1999 this information was indexed by INVENTORIES.)
RT reserves

stocks
Use inventories

STOERMER THEORY
RT charged particles
RT magnetic fields

STOICHIOMETRY
(Prior to June 1986 CHEMICAL COMPOSITION was used for this concept.)
RT chemical composition
RT chemical reactions
RT chemistry

STOKERS
INIS: Mar 1992; ETDE: Sep 1976
(Mechanical devices used in boilers or furnaces for feeding coal, removing refuse, controlling air supply, and mixing with combustibles for efficient combustion.)
*BT1 fuel feeding systems
RT boilers
RT burners
RT coal
RT furnaces

STOKES LAW
RT viscous flow

STOKES PARAMETERS
RT polarization

STOMACH
UF+ *rumen*
*BT1 gastrointestinal tract
*BT1 organs
RT gastrectomy
RT gastric acid
RT gastrin
RT intrinsic factor
RT pepsin
RT vomiting

STOMATA
INIS: Sep 1992; ETDE: Jan 1976
BT1 openings
RT plants
RT transpiration

stone and webster coal solution gasification process
Use coal gasification

stone and webster gasification process
Use coal gasification

STONE AND WEBSTER IONICS PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Desulfurization process using aqueous caustic soda solution to absorb sulfur dioxide; solution is regenerated in electrolytic cells.)
*BT1 desulfurization

STONE METEORITES
BT1 meteorites
NT1 achondrites
NT1 chondrites
RT rocks

stone-webster reference pwr
Use swessar standard plant

stoody
Use stellite 6

stopping
Use absorption

STOPPING POWER
UF *stopping power (total atomic)*
UF *stopping power (total linear)*
UF *stopping power (total mass)*
RT absorption
RT atomic number
RT density
RT energy losses
RT range

stopping power (total atomic)
Use stopping power

stopping power (total linear)
Use stopping power

stopping power (total mass)
Use stopping power

stoppings
Use ventilation barriers

STOR-M TOKAMAK
INIS: Jul 1999; ETDE: Sep 1999
(Saskatchewan Torus-Modified.)
*BT1 tokamak devices

STORAGE
NT1 dry storage
NT1 energy storage
NT2 cold storage
NT2 compressed air energy storage
NT2 flywheel energy storage
NT2 heat storage
NT3 latent heat storage
NT3 seasonal thermal energy storage
NT3 sensible heat storage
NT3 thermochemical heat storage
NT2 magnetic energy storage
NT3 superconducting magnetic energy storage
NT2 off-peak energy storage
NT2 photochemical energy storage
NT2 pumped storage
NT1 hydrogen storage
NT1 spent fuel storage
NT2 away-from-reactor storage
NT2 monitored retrievable storage
NT1 underground storage
NT1 waste storage
NT2 radioactive waste storage
NT3 monitored retrievable storage
NT1 wet storage
RT inventories
RT storage facilities
RT stowage
RT transport
RT water reservoirs

storage (spent fuel)
Use spent fuel storage

storage (wastes)
Use waste storage

storage batteries
Use electric batteries

storage batteries (lead-acid)
Use lead-acid batteries

storage devices (data)
Use memory devices

STORAGE FACILITIES
INIS: Jan 1984; ETDE: Jan 1977
UF *facilities (storage)*
UF *tank farms*
RT energy facilities
RT floating roof tanks
RT inventories
RT maintenance facilities
RT natural gas
RT nuclear facilities
RT radioactive waste facilities
RT spent fuel storage
RT spent fuels
RT storage
RT terminal facilities
RT wastes

STORAGE LIFE
UF *market life*
RT food processing
RT lifetime
RT radiopreservation
RT sprout inhibition

storage pools (fuel)
Use fuel storage pools

STORAGE RINGS
(Prior to August 1996 PRECETRON STORAGE RING was a valid ETDE descriptor.)
UF *precetron storage ring*
UF *rings (storage)*
NT1 aco
NT1 adone
NT1 advanced light source
NT1 advanced photon source
NT1 astrid storage ring
NT1 beijing electron-positron collider
NT1 bessy storage ring
NT1 brookhaven rhic
NT1 celsius storage ring
NT1 cern cesar
NT1 cern isr
NT1 cern lhc
NT1 cesr storage ring
NT1 cosy storage ring
NT1 dci orsay storage ring
NT1 doris storage ring
NT1 escar storage ring
NT1 esr storage ring
NT1 euterpe storage ring
NT1 hera storage ring
NT1 indus-1
NT1 indus-2
NT1 isabelle storage rings
NT1 lep storage rings
NT1 lnls storage ring
NT1 nap-m storage ring
NT1 pampus storage ring

NT1 pep storage rings
NT2 epic storage ring
NT1 petra storage ring
NT1 popae storage ring
NT1 serpukhov tevatron
NT1 spear
NT1 spring-8 storage ring
NT1 superconducting super collider
NT1 surf ii storage ring
NT1 tristan storage rings
NT1 tsr storage ring
NT1 vep-1
NT1 vepp-2
NT1 vepp-3
NT1 vepp-4
RT accelerators
RT kek photon factory
RT pohang light source
RT swiss light source

storage tubes
Use electron tubes
AND image storage tubes

STORED ENERGY
BT1 energy
*BT1 thermodynamic properties
RT tank circuits

stores
Use commercial buildings

STORM DOORS
INIS: Apr 2000; ETDE: Jun 1977
*BT1 doors
RT thermal insulation
RT weatherization

STORM WINDOWS
INIS: Apr 2000; ETDE: Jun 1977
*BT1 windows
RT thermal insulation
RT weatherization

STORMS
INIS: Mar 1992; ETDE: Nov 1975
NT1 hurricanes
NT1 monsoons
NT1 tornadoes
RT atmospheric precipitations
RT cloud cover
RT clouds
RT lightning
RT meteorology
RT natural disasters
RT rain
RT runoff
RT snow
RT water waves
RT wave forces
RT weather
RT wind loads

stover
Use agricultural wastes

STOVES
INIS: Feb 1993; ETDE: Aug 1976
UF+ *stoves (coal burning)*
UF+ *stoves (electric)*
UF+ *stoves (gas burning)*
UF+ *stoves (wood burning)*
UF+ *wood stoves*
*BT1 appliances
RT coal burning appliances
RT ovens
RT wood burning appliances

stoves (coal burning)
Use coal burning appliances
AND stoves

stoves (electric)
Use electric appliances
AND stoves

stoves (gas burning)
Use gas appliances
AND stoves

stoves (wood burning)
Use stoves
AND wood burning appliances

STOWAGE
INIS: Apr 2000; ETDE: Dec 1979
(Positioning for safekeeping, e.g., heliostat inversion during hailstorms.)
RT positioning
RT storage

STOWING
INIS: Apr 2000; ETDE: Jun 1979
UF *packing*
RT backfilling
RT strata control
RT underground mining

STP-3M DEVICE
INIS: Mar 1993; ETDE: Apr 1993
(Nagoya University, Japan)
*BT1 toroidal screw pinch devices

str reactor (shield test)
Use stir reactor

str reactor (split table)
Use split table reactor

STRAHLENSCHUTZKOMMISSION
INIS: Nov 1978; ETDE: Jul 1980
*BT1 german fr organizations
RT radiation protection

STRAIGHT-LINE PATH APPROXIMATION
INIS: Sep 1975; ETDE: Oct 1975
(Assumes that transverse-momentum transfer is small in high-energy particle interactions.)
UF *approximation (straight-line)*
RT eikonal approximation
RT linear momentum transfer
RT particle interactions
RT transverse momentum

STRAIN AGING
BT1 aging
RT cold working

STRAIN GAGES
(From September 1976 till March 1997 TENSIOMETERS was a valid ETDE descriptor.)
UF *gages (strain)*
SF *tensiometers*
BT1 measuring instruments
RT extensometers
RT mechanical tests
RT strains

STRAIN HARDENING
UF *shock wave hardening*
UF *shock-wave hardening*
UF *work hardening*
BT1 hardening
RT cold working
RT strains

STRAIN RATE
INIS: May 1986; ETDE: Jan 1976
RT static loads
RT strains
RT tensile properties

STRAIN SOFTENING
INIS: Jul 1977; ETDE: Jan 1975
(A softening of a metal exhibited during deformation. It can occur at either high or low temperatures, depending upon the metal.)
UF *work softening*
RT strains

STRAINS
RT deformation
RT elasticity
RT poisson ratio
RT ratcheting
RT strain gages
RT strain hardening
RT strain rate
RT strain softening
RT stresses
RT tensile properties

strait event
Use anvil project

STRAIT OF HORMUZ
INIS: Jun 1992; ETDE: Oct 1980
*BT1 persian gulf

STRAND BREAKS
BT1 dna damages
RT biological radiation effects
RT chemical radiation effects
RT decomposition
RT dna
RT dna repair
RT molecular biology
RT pyrimidine dimers
RT radiation effects
RT radiation injuries
RT rna

strange baryons
Use hyperons

STRANGE MESONS
INIS: Dec 1987; ETDE: Feb 1988
UF *k*resonances*
UF *k-1240 resonances*
UF *k-1871 resonances*
UF *l-1770 resonances*
*BT1 mesons
*BT1 strange particles
NT1 b s mesons
NT1 d s mesons
NT1 d s-2536 mesons
NT1 d*s-2110 mesons
NT1 k*-1410 mesons
NT1 k*-1680 mesons
NT1 k*-892 mesons
NT1 k*0-1430 mesons
NT1 k*2-1430 mesons
NT1 k*3-1780 mesons
NT1 k*4-2045 mesons
NT1 k-1460 mesons
NT1 k-1830 mesons
NT1 k1-1270 mesons
NT1 k1-1400 mesons
NT1 k2-1770 mesons
NT1 k2-1820 mesons
NT1 kaons
NT2 antikaons
NT3 antikaons neutral
NT2 cosmic kaons
NT2 kaons minus
NT2 kaons neutral
NT3 antikaons neutral
NT3 kaons neutral long-lived
NT3 kaons neutral short-lived
NT2 kaons plus

STRANGE PARTICLES
BT1 elementary particles
NT1 hyperons
NT2 antihyperons
NT3 antilambda particles
NT3 antiomega particles
NT3 antisigma particles
NT3 antixi particles
NT2 lambda baryons
NT3 lambda particles
NT4 antilambda particles
NT3 lambda-1405 baryons
NT3 lambda-1520 baryons
NT3 lambda-1600 baryons
NT3 lambda-1670 baryons
NT3 lambda-1690 baryons
NT3 lambda-1800 baryons
NT3 lambda-1810 baryons
NT3 lambda-1820 baryons
NT3 lambda-1830 baryons
NT3 lambda-1890 baryons
NT3 lambda-2100 baryons
NT3 lambda-2110 baryons
NT2 lambda-n-2130 dibaryons
NT2 omega baryons
NT3 omega particles
NT4 antiomega particles
NT4 omega minus particles
NT3 omega-2250 baryons
NT2 sigma baryons
NT3 sigma particles
NT4 antisigma particles
NT4 sigma minus particles
NT4 sigma neutral particles
NT4 sigma plus particles
NT3 sigma-1385 baryons
NT3 sigma-1660 baryons
NT3 sigma-1670 baryons
NT3 sigma-1750 baryons
NT3 sigma-1770 baryons
NT3 sigma-1775 baryons
NT3 sigma-1915 baryons
NT3 sigma-1940 baryons
NT3 sigma-2030 baryons
NT3 sigma-2455 baryons
NT2 xi baryons
NT3 xi particles
NT4 antixi particles
NT4 xi minus particles
NT4 xi neutral particles
NT3 xi-1530 baryons
NT3 xi-1690 baryons
NT3 xi-1820 baryons
NT3 xi-1950 baryons
NT3 xi-2030 baryons
NT3 xi-2250 baryons
NT3 xi-2500 baryons
NT2 z*baryons
NT1 s quarks
NT1 spurions
NT1 strange mesons
NT2 b s mesons
NT2 d s mesons
NT2 d s-2536 mesons
NT2 d*s-2110 mesons
NT2 k*-1410 mesons
NT2 k*-1680 mesons
NT2 k*-892 mesons
NT2 k*0-1430 mesons
NT2 k*2-1430 mesons
NT2 k*3-1780 mesons
NT2 k*4-2045 mesons
NT2 k-1460 mesons
NT2 k-1830 mesons
NT2 k1-1270 mesons
NT2 k1-1400 mesons
NT2 k2-1770 mesons
NT2 k2-1820 mesons
NT2 kaons
NT3 antikaons
NT4 antikaons neutral
NT3 cosmic kaons
NT3 kaons minus
NT3 kaons neutral
NT4 antikaons neutral
NT4 kaons neutral long-lived
NT4 kaons neutral short-lived
NT3 kaons plus
RT strangeness
RT strangeonium

STRANGENESS
BT1 particle properties
RT gauge invariance
RT gell-mann theory
RT strange particles
RT strangeness analog resonances

STRANGENESS ANALOG RESONANCES
UF *analog resonances (strangeness)*
RT energy levels
RT nuclear reactions
RT strangeness

STRANGENESS-EXCHANGE REACTIONS
INIS: Nov 1981; ETDE: Apr 1979
(Nuclear reactions in which strangeness of reactants is altered.)
BT1 nuclear reactions

STRANGEONIUM
INIS: Dec 1987; ETDE: Feb 1988
(A bound state of strange and anti strange quarks.)
*BT1 mesons
BT1 quarkonium
NT1 f2 prime-1525 mesons
NT1 phi-1020 mesons
NT1 phi-1680 mesons
NT1 phi3-1850 mesons
RT s quarks
RT strange particles

STRASBOURG-CRONENBOURG REACTOR
(University of Strasbourg Reactor Dept., Strasbourg, France)
*BT1 argonaut type reactors
*BT1 training reactors

STRATA CONTROL
INIS: Feb 1993; ETDE: May 1978
(Measures taken to control movement of geologic strata.)
UF *ground control*
RT caving
RT rock mechanics
RT roof bolts
RT slope stability
RT stowing
RT strata movement

STRATA MOVEMENT
INIS: Aug 1992; ETDE: May 1978
RT caving
RT geologic strata
RT ground motion
RT ground uplift
RT rock falls
RT rock mechanics
RT strata control
RT underground mining

strategic defense initiative
Use ballistic missile defense

STRATEGIC PETROLEUM RESERVE
INIS: Jan 1981; ETDE: Oct 1977
*BT1 reserves
RT energy supplies
RT petroleum
RT underground storage

STRATEGIC POINTS
(Points in the fuel cycle at which measurement of the flow of nuclear material would be useful for safeguards purposes.)
RT material balance area
RT safeguards

STRATIFICATION
RT geologic strata
RT layers
RT stratified charge engines

STRATIFIED CHARGE ENGINES
INIS: Apr 2000; ETDE: Jun 1975
*BT1 internal combustion engines
RT automobiles
RT combustion
RT fuel injection systems
RT stratification

STRATIGRAPHY
(That branch of geology which treats of the formation, composition, sequence, and correlation of the stratified rocks as parts of the earth's crust.)
BT1 geology
RT geologic strata
RT geologic structures
RT geomorphology
RT layers
RT palynology
RT site characterization

STRATOSPHERE
UF *high altitude (stratosphere)*
BT1 earth atmosphere
RT global fallout
RT magnetic rigidity
RT ozone layer
RT supersonic transport
RT tropopause

STRAW
INIS: Dec 1991; ETDE: Dec 1978
RT agricultural wastes
RT plant stems

STRAWBERRIES
*BT1 berries
*BT1 rosaceae

STRAY RADIATION
BT1 radiations
RT scattering
RT shielding

STREAK CAMERAS
INIS: Oct 1986; ETDE: Sep 1984
(Cameras which produce two-dimensional images where time is one coordinate.)
BT1 cameras
RT radiation detectors
RT streak photography

STREAK PHOTOGRAPHY
BT1 photography
RT streak cameras

STREAMER SPARK CHAMBERS
*BT1 spark chambers

streaming (radiation)
Use radiation streaming

STREAMS
INIS: Dec 1982; ETDE: Apr 1976
(Until March 1999 this concept was indexed in INIS by RIVERS.)
UF *brooks*
UF *creeks*
*BT1 rivers
RT water currents
RT watersheds

streets
Use roads

strelkinite
Use oxide minerals
AND uranium minerals

strength (compression)
Use compression strength

strength (flexural)
Use flexural strength

strength (fracture)
Use fracture properties

strength (impact)
Use impact strength

strength (shear)
Use shear properties

strength (tensile)
Use tensile properties

strength (ultimate)
Use ultimate strength

strength (yield)
Use yield strength

STRENGTH FUNCTIONS
BT1 functions
RT energy levels
RT oscillator strengths

streptidine kinase
Use fibrinolytic agents
AND phosphotransferases

STREPTOCOCCAL PROTEINASE
(Code number 3.4.22.10.)
UF *streptokinase*
*BT1 sh-proteinases
RT fibrinolysis
RT streptococcus
RT thrombosis

STREPTOCOCCUS
*BT1 bacteria
RT streptococcal proteinase

streptokinase
Use streptococcal proteinase

STREPTOMYCES
*BT1 bacteria
RT streptomycin

STREPTOMYCIN
*BT1 antibiotics
RT streptomyces
RT tuberculosis

STREPTOZOCIN
INIS: May 1984; ETDE: Apr 1981
UF *streptozotocin*
UF *streptozotocin 7*
*BT1 antibiotics
*BT1 antineoplastic drugs

streptozotocin
Use streptozocin

streptozotocin 7
Use streptozocin

stress (biological)
Use biological stress

STRESS ANALYSIS
RT homalite
RT photoelasticity
RT stress intensity factors
RT stresses

stress concentration factors
Use stress intensity factors

STRESS CORROSION
*BT1 corrosion

STRESS INTENSITY FACTORS
INIS: Aug 1978; ETDE: Oct 1978
UF *stress concentration factors*
RT crack propagation
RT cracks
RT defects
RT fracture mechanics
RT fracture properties
RT fractures
RT mechanical tests
RT stress analysis

STRESS RELAXATION
UF *relaxation (stress)*
UF *relieving (stress)*
UF *stress relieving*
BT1 relaxation
RT annealing
RT creep
RT heat treatments
RT stresses

stress relieving
Use stress relaxation

STRESSES
(For mechanical stress only; see also BIOLOGICAL STRESS.)
UF *loads (stresses)*
NT1 flow stress
NT1 residual stresses
NT1 thermal stresses
RT dilatancy
RT dynamic loads
RT materials testing
RT mechanical properties
RT mechanical tests
RT pore pressure
RT ratcheting
RT s-n diagram
RT shear
RT static loads
RT strains
RT stress analysis
RT stress relaxation
RT tensile properties
RT thermoelasticity
RT wind loads

stretch model
Use aligned coupling scheme

STRETFORD PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process for sweetening natural and industrial gases by complete removal of hydrogen sulfide and partial removal of organic sulfur compounds; gas is washed with aqueous solution containing sodium carbonate, sodium vanadate, anthraquinonedisulfonic acid.)
*BT1 desulfurization

STRIATIONS
RT electric discharges

STRING MODELS
(Treating the interactions of extended particles through breaking and connection of strings.)
*BT1 extended particle model
*BT1 quark model
NT1 superstring models
RT particle interactions
RT particle structure
RT quantum chromodynamics

strip mining
Use surface mining

STRIPED BASS
INIS: Sep 1992; ETDE: Jan 1978
*BT1 anadromous fishes

stripper foils
Use beam strippers

strippers
Use beam strippers

STRIPPING
(For nuclear reactions only; for electron stripping use ELECTRON LOSS.)
*BT1 transfer reactions
RT butler theory
RT oppenheimer-phillips process
RT serber theory

STRONG-ABSORPTION MODEL
*BT1 nuclear models

STRONG-COUPLING MODEL
*BT1 particle models
RT coupling
RT strong interactions
RT weak-coupling model

STRONG INTERACTIONS
*BT1 basic interactions
NT1 charge-exchange interactions
NT1 peripheral collisions
RT annihilation
RT charge independence
RT chew-low method
RT cim model
RT grand unified theory
RT hadron-hadron interactions
RT hadronic particle decay
RT quark-gluon interactions
RT rescattering
RT standard model
RT strong-coupling model

strongly damped heavy ion reactions
Use deep inelastic heavy ion reactions

STRONGLY IONIZED GASES
(Ionization factor above 10(-4).)
*BT1 ionized gases

STRONTIUM
*BT1 alkaline earth metals

STRONTIUM 100
INIS: Apr 1979; ETDE: May 1979
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 strontium isotopes

STRONTIUM 101
INIS: Jun 1984; ETDE: Mar 1984
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 strontium isotopes

STRONTIUM 102
INIS: Jan 1986; ETDE: Aug 1985
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 strontium isotopes

STRONTIUM 75
INIS: Jun 1996; ETDE: May 1996
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 strontium isotopes

STRONTIUM 76
INIS: Mar 1992; ETDE: Aug 1992
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 strontium isotopes

STRONTIUM 77
INIS: Oct 1976; ETDE: Dec 1976
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 strontium isotopes

STRONTIUM 78
INIS: Jan 1976; ETDE: Jan 1975
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 strontium isotopes

STRONTIUM 79
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 strontium isotopes

STRONTIUM 80
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 strontium isotopes

STRONTIUM 81
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 strontium isotopes

STRONTIUM 82
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 strontium isotopes

STRONTIUM 83
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 seconds living radioisotopes
*BT1 strontium isotopes

STRONTIUM 84
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 strontium isotopes

STRONTIUM 84 TARGET
BT1 targets

STRONTIUM 85
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 strontium isotopes

STRONTIUM 86
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 strontium isotopes

STRONTIUM 86 TARGET
BT1 targets

STRONTIUM 87
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 stable isotopes
*BT1 strontium isotopes

STRONTIUM 87 TARGET
INIS: Mar 1976; ETDE: Jul 1976
BT1 targets

STRONTIUM 88
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 strontium isotopes

STRONTIUM 88 TARGET
BT1 targets

STRONTIUM 89
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 strontium isotopes

STRONTIUM 90
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 strontium isotopes
*BT1 years living radioisotopes
RT radioisotope generators

STRONTIUM 90 TARGET
INIS: Sep 1983; ETDE: Nov 1976
BT1 targets

STRONTIUM 91
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 strontium isotopes

STRONTIUM 92
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 strontium isotopes

STRONTIUM 93
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 strontium isotopes

STRONTIUM 94
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 strontium isotopes

STRONTIUM 95
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 strontium isotopes

STRONTIUM 96
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 strontium isotopes

STRONTIUM 97
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 strontium isotopes

STRONTIUM 98
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 strontium isotopes

STRONTIUM 99
INIS: Mar 1976; ETDE: Mar 1976
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 strontium isotopes

STRONTIUM ADDITIONS
(Alloys containing not more than 1% Sr are listed here.)
*BT1 strontium alloys

STRONTIUM ALLOYS
(Alloys containing more than 1% Sr.)
UF *strontium base alloys*
BT1 alloys
NT1 strontium additions

strontium base alloys
Use strontium alloys

strontium borides
Use borides
AND strontium compounds

STRONTIUM BROMIDES
*BT1 bromides
*BT1 strontium compounds

STRONTIUM CARBIDES
*BT1 carbides
*BT1 strontium compounds

STRONTIUM CARBONATES
*BT1 carbonates
*BT1 strontium compounds

STRONTIUM CHLORIDES
*BT1 chlorides
*BT1 strontium compounds

STRONTIUM COMPLEXES
*BT1 alkaline earth metal complexes

STRONTIUM COMPOUNDS
UF+ *strontium borides*
BT1 alkaline earth metal compounds
NT1 strontium bromides
NT1 strontium carbides
NT1 strontium carbonates
NT1 strontium chlorides
NT1 strontium fluorides
NT1 strontium hydrides
NT1 strontium hydroxides
NT1 strontium iodides
NT1 strontium nitrates
NT1 strontium oxides
NT1 strontium perchlorates
NT1 strontium phosphates
NT1 strontium silicates
NT1 strontium sulfates
NT1 strontium sulfides
NT1 strontium titanates
NT1 strontium tungstates
NT1 strontium uranates

STRONTIUM FLUORIDES
*BT1 fluorides
*BT1 strontium compounds

STRONTIUM HYDRIDES
*BT1 hydrides
*BT1 strontium compounds

STRONTIUM HYDROXIDES
*BT1 hydroxides
*BT1 strontium compounds

STRONTIUM IODIDES
*BT1 iodides
*BT1 strontium compounds

STRONTIUM IONS
*BT1 ions

STRONTIUM ISOTOPES
*BT1 alkaline earth isotopes
NT1 strontium 100
NT1 strontium 101
NT1 strontium 102
NT1 strontium 75
NT1 strontium 76
NT1 strontium 77
NT1 strontium 78
NT1 strontium 79
NT1 strontium 80
NT1 strontium 81
NT1 strontium 82
NT1 strontium 83
NT1 strontium 84
NT1 strontium 85
NT1 strontium 86
NT1 strontium 87
NT1 strontium 88
NT1 strontium 89
NT1 strontium 90
NT1 strontium 91
NT1 strontium 92
NT1 strontium 93
NT1 strontium 94
NT1 strontium 95
NT1 strontium 96
NT1 strontium 97
NT1 strontium 98
NT1 strontium 99
RT bone seekers

STRONTIUM NITRATES
*BT1 nitrates
*BT1 strontium compounds

STRONTIUM OXIDES
*BT1 oxides
*BT1 strontium compounds

STRONTIUM PERCHLORATES
INIS: Feb 1988; ETDE: Nov 1977
*BT1 perchlorates
*BT1 strontium compounds

STRONTIUM PHOSPHATES
*BT1 phosphates
*BT1 strontium compounds

STRONTIUM SILICATES
*BT1 silicates
*BT1 strontium compounds

STRONTIUM SULFATES
*BT1 strontium compounds
*BT1 sulfates

STRONTIUM SULFIDES
*BT1 strontium compounds
*BT1 sulfides

STRONTIUM TITANATES
INIS: May 1990; ETDE: Sep 1976
*BT1 strontium compounds
*BT1 titanates

STRONTIUM TUNGSTATES
INIS: Apr 1979; ETDE: Nov 1976
*BT1 strontium compounds
*BT1 tungstates

STRONTIUM URANATES
INIS: Sep 1991; ETDE: Nov 1978
*BT1 strontium compounds
*BT1 uranates

strophanthin
Use cardiotonics

STROPHANTHINS
INIS: Apr 2000; ETDE: Apr 1981
*BT1 cardiac glycosides
NT1 ouabain

STROPHANTIN
INIS: Apr 2000; ETDE: Dec 1974
*BT1 glycosides

STRUCTURAL BEAMS
INIS: Sep 1983; ETDE: Aug 1977
UF *beams (structural)*
RT building materials
RT construction

structural buckling
Use deformation

STRUCTURAL CHEMICAL ANALYSIS
UF *analysis (structural chemical)*
UF *sequence analysis*
NT1 dna sequencing
RT absorption spectroscopy
RT amino acid sequence
RT chemical analysis
RT coordination valences
RT debye-scherrer method
RT derivatization
RT electron spin resonance
RT extreme ultraviolet spectra
RT infrared spectra
RT laue method
RT magnetic circular dichroism
RT moessbauer effect
RT molecular structure
RT neutron diffraction
RT nuclear magnetic resonance
RT thermal analysis
RT ultraviolet spectra
RT x-ray diffraction
RT x-ray diffractometers

structural materials
Use building materials

STRUCTURAL MODELS
UF *models (structural)*
NT1 mockup
NT2 phantoms
NT1 scale models
RT comparative evaluations
RT functional models
RT hypothesis
RT mathematical models
RT morphology
RT response functions

structure (crystal)
Use crystal structure

structure (molecular)
Use molecular structure

STRUCTURE-ACTIVITY RELATIONSHIPS
INIS: Dec 1984; ETDE: Nov 1983
RT biological effects
RT biological functions
RT dynamic function studies
RT enzyme activity
RT molecular structure
RT protein engineering
RT protein structure

STRUCTURE FACTORS
INIS: May 1981; ETDE: Dec 1978
(In macroscopic particle systems, for factors related to intensity of diffracted beam used in structure determination for liquids and solids, as by X-ray diffraction.)
RT crystal structure
RT liquids
RT solids

STRUCTURE FUNCTIONS
(Momentum distribution of constituents within an elementary particle.)
BT1 functions
RT emc effect
RT gribov-lipatov relation
RT particle models
RT particle structure

structures (buildings)
Use buildings

structures (mechanics)
Use mechanical structures

STRUTINSKY THEORY
RT fission
RT nuclear models

STRYCHNINE
*BT1 alkaloids
*BT1 indoles

STSF ASSEMBLY
(Subcritical Time-of-Flight Spectrum Facility)
UF *subcritical time-of-flight spectrum facility*
*BT1 subcritical assemblies

STTFUA
INIS: Apr 2000; ETDE: Jun 1981
(Solar thermal Test Facility Users Association.)
RT msstf
RT test facilities

stud welding
Use welding

studs
Use fasteners

studsvik fr-0 reactor
Use fr-0 reactor

studsvik r-2 reactor
Use r-2 reactor

studsvik r2-0 reactor
Use r2-0 reactor

sturgis-floating nuclear power plant
Use mh-1a reactor

STURM-LIOUVILLE EQUATION
*BT1 differential equations
RT eigenfunctions
RT green function

STX DEVICES
INIS: Jun 1986; ETDE: Mar 1986
(A very low aspect ratio toroidal confinement device that can operate as a tokamak, as a pinch, or as a reversed-field pinch. As a tokamak, the spherical torus confines a plasma that is characterized by high toroidal beta, low poloidal beta, large neutral elongation, high plasma current for a given edge q, and strong paramagnetism.)
*BT1 tokamak devices
RT reverse-field pinch

STYRENE
UF *phenylethylene*
UF *vinylbenzene*
*BT1 alkylated aromatics
*BT1 hydrocarbons
RT polystyrene
RT vinyl monomers

styrene-divinylbenzene copolymer
Use polystyrene-dvb

styrene polymers
Use polystyrene

SU-2 GROUPS
*BT1 su groups

SU-3 GROUPS
*BT1 su groups
RT charm particles
RT grace particles
RT higgs model
RT quantum chromodynamics
RT taste particles

SU-4 GROUPS
*BT1 su groups

SU-5 GROUPS
*BT1 su groups
RT grand unified theory

SU-6 GROUPS
*BT1 su groups

SU-7 GROUPS
INIS: Feb 1981; ETDE: Mar 1981
*BT1 su groups

SU-8 GROUPS
INIS: Oct 1976; ETDE: Nov 1976
*BT1 su groups

SU-9 GROUPS
INIS: Feb 1981; ETDE: Sep 1989
*BT1 su groups

SU GROUPS
*BT1 lie groups
NT1 su-2 groups
NT1 su-3 groups
NT1 su-4 groups
NT1 su-5 groups
NT1 su-6 groups
NT1 su-7 groups
NT1 su-8 groups
NT1 su-9 groups
RT goldstone bosons
RT instantons
RT unitary symmetry

SUBBITUMINOUS COAL
INIS: May 1992; ETDE: May 1975
(Coal that is intermediate between bituminous coal and lignite.)
*BT1 coal
RT bituminous coal
RT lignite

SUBCELLULAR DISTRIBUTION
INIS: Apr 1987; ETDE: Dec 1985
BT1 distribution
RT cell constituents
RT cell membranes
RT cell nuclei
RT lysosomes
RT mitochondria
RT ribosomes
RT ultracentrifugation

subcellular organelles
Use cell constituents

subcontractors
Use contractors

SUBCOOLED BOILING
UF *local boiling*
UF *surface boiling*
*BT1 boiling

SUBCOOLING
BT1 cooling
RT vapor condensation

SUBCRITICAL ASSEMBLIES
UF *exponential piles*
UF *fast breeder blanket facility (fbbf)*
UF *neutron multiplier facility*
UF *sr-ob reactor*
*BT1 experimental reactors
NT1 pse reactor
NT1 stsf assembly

subcritical flow
Use laminar flow

subcritical time-of-flight spectrum facility
Use stsf assembly

subcriticality
Use criticality

SUBCUTANEOUS INJECTION
*BT1 injection

SUBDUCTION ZONES
INIS: Apr 2000; ETDE: Aug 1985
(Narrow belts in which one lithospheric plate descends under another.)
UF+ *benioff zone*
RT plate tectonics
RT seismicity

SUBLETHAL IRRADIATION
BT1 irradiation
RT dose-response relationships
RT lethal irradiation
RT lethal radiation dose
RT radiation doses

SUBLIMATION
*BT1 evaporation
RT refining
RT separation processes
RT sublimation cooling
RT sublimation heat

SUBLIMATION COOLING
BT1 cooling
RT sublimation

SUBLIMATION HEAT
UF *heat of sublimation*
UF *latent heat of sublimation*
*BT1 transition heat
RT ablation
RT sublimation

SUBMARINE CANYONS
INIS: Apr 2000; ETDE: Oct 1981
(Steep valley-like submarine depressions crossing the continental margin.)
RT continental shelf
RT continental slope
RT sea bed
RT topography

SUBMARINES
(Any self-powered underwater craft or towed underwater barges and arrays.)
UF *underwater vehicles*
BT1 ships
RT nuclear ships

SUBMERGED ARC WELDING
*BT1 arc welding

subsidence (ground)
Use ground subsidence

subsidies
Use financial incentives

SUBSONIC FLOW
BT1 fluid flow
RT aerodynamics
RT compressible flow

substitution equivalent
Use energy substitution equivalent

substitution techniques
Use pile replacement techniques

SUBSTOICHIOMETRY
RT activation analysis
RT impurities
RT isotope dilution
RT quantitative chemical analysis

SUBSTRATES
RT catalyst supports
RT enzymes
RT layers
RT thin films

subsurface environments
See underground

SUBSURFACE STRUCTURES
RT civil defense
RT earth-covered buildings
RT fallout shelters
RT shelters
RT tunnels
RT underground facilities
RT underground storage

subsystem test facility
Use msstf

SUBTERRENE PENETRATORS
(Rock-melting equipment for excavation, drilling, and tunneling.)
*BT1 drills
*BT1 earth penetrators
RT boreholes
RT excavation
RT heating
RT materials drilling
RT melting
RT rock drilling
RT tunnels

suburbs
Use urban areas

SUCCINIC ACID
*BT1 dicarboxylic acids
RT aspartic acid

sucker rod pumps
Use rod pumps

sucrose
Use saccharose

SUDAN
BT1 africa
BT1 arab countries
BT1 developing countries
RT nile river
RT red sea

SUDBURY NEUTRINO OBSERVATORY
INIS: Aug 1992; ETDE: Sep 1992
(Sudbury, Ontario, Canada.)
RT neutrino detection
RT underground facilities

SUDDEN APPROXIMATION
INIS: Aug 1975; ETDE: Jan 1975
(A high energy limit which assumes that the internal motions of the target are slow compared with the duration of the collision.)
UF *approximation (sudden)*
RT collisions
RT hamiltonians
RT quantum mechanics
RT transients
RT wave functions

SUDDEN COMMENCEMENTS
RT magnetic storms

SUDDEN IONOSPHERIC DISTURBANCE
UF *sid*
*BT1 ionospheric storms
RT ionosphere

SUEZ CANAL
INIS: Jun 1992; ETDE: Feb 1978
BT1 surface waters
RT egyptian arab republic

sugar
Use saccharose

SUGAR BEETS
INIS: Dec 1991; ETDE: Jun 1977
*BT1 beets

SUGAR CANE
*BT1 reeds
RT crops
RT molasses

SUGAR INDUSTRY
INIS: May 2000; ETDE: Aug 1981
BT1 industry
RT biomass
RT saccharides
RT saccharose

sugars
Use saccharides

SUGAWARA THEORY
RT quantum field theory

SUJB
INIS: Jan 1998; ETDE: Feb 1998
(State Office for Nuclear Safety, Czech Republic)
UF *statni urad pro jadernou bezpecnost*
*BT1 czech organizations

SULF-X PROCESS
INIS: Apr 2000; ETDE: Feb 1985
(The sulf-x process is a wet absorption process that utilizes a slurry of regenerated ferrous sulfide solids to achieve removal of 90 to 99% of sulfur dioxide from boiler flue gases by wet scrubbing. It is technically feasible for use with all fossil-fuel types.)
*BT1 desulfurization

sulfadiazine
Use pyrimidines
AND sulfonamides

SULFAMIC ACID
INIS: Jul 1994; ETDE: Jan 1975
*BT1 inorganic acids

SULFANILIC ACID
UF *aminobenzenesulfonic acid-para*
*BT1 amines
*BT1 sulfonic acids

SULFATE MINERALS
INIS: Apr 1984; ETDE: May 1982
UF+ *johannite*
UF+ *schroeckingerite*
UF+ *zippeite*
BT1 minerals
NT1 alunite
NT1 anhydrite
NT1 barite
NT1 gypsum
NT1 polyhalite
RT aluminium sulfates
RT barium sulfates
RT calcium sulfates
RT copper sulfates
RT magnesium sulfates
RT potassium sulfates
RT sodium sulfates
RT uranium sulfates

SULFATE-REDUCING BACTERIA
INIS: Oct 1991; ETDE: May 1984
*BT1 bacteria
NT1 desulfovibrio
RT desulfurization
RT sulfur cycle

SULFATES
(For salts only; see also SULFURIC ACID ESTERS.)
UF+ *actinium sulfates*
UF+ *americium sulfates*
UF+ *berkelium sulfates*
UF+ *osmium sulfates*
UF+ *protactinium sulfates*
BT1 oxygen compounds
BT1 sulfur compounds
NT1 acid sulfates
NT1 aluminium sulfates
NT1 ammonium sulfates
NT1 antimony sulfates
NT1 barium sulfates
NT1 beryllium sulfates
NT1 bismuth sulfates
NT1 cadmium sulfates
NT1 calcium sulfates
NT1 cerium sulfates
NT1 cesium sulfates
NT1 chromium sulfates
NT1 cobalt sulfates
NT1 copper sulfates
NT1 dysprosium sulfates
NT1 erbium sulfates
NT1 europium sulfates
NT1 gadolinium sulfates
NT1 gallium sulfates
NT1 hafnium sulfates
NT1 holmium sulfates
NT1 indium sulfates
NT1 iridium sulfates
NT1 iron sulfates
NT1 lanthanum sulfates
NT1 lead sulfates
NT1 lithium sulfates
NT1 lutetium sulfates
NT1 magnesium sulfates
NT1 manganese sulfates
NT1 mercury sulfates
NT1 molybdenum sulfates
NT1 neodymium sulfates
NT1 neptunium sulfates
NT1 nickel sulfates
NT1 niobium sulfates
NT1 platinum sulfates
NT1 plutonium sulfates
NT1 potassium sulfates
NT1 praseodymium sulfates
NT1 radium sulfates
NT1 rhenium sulfates
NT1 rubidium sulfates
NT1 ruthenium sulfates
NT1 samarium sulfates
NT1 scandium sulfates
NT1 silver sulfates
NT1 sodium sulfates
NT1 strontium sulfates
NT1 tantalum sulfates
NT1 terbium sulfates
NT1 thallium sulfates
NT1 thorium sulfates
NT1 thulium sulfates
NT1 tin sulfates
NT1 titanium sulfates
NT1 uranium sulfates

NT1 uranyl sulfates
NT1 vanadium sulfates
NT1 ytterbium sulfates
NT1 yttrium sulfates
NT1 zinc sulfates
NT1 zirconium sulfates
RT glucuronide conjugates
RT glutathione conjugates
RT sulfation
RT sulfuric acid
RT thiosulfates

SULFATION

INIS: Apr 2000; ETDE: Jul 1991
(Conversion of a compound into a sulfate by the oxidation of sulfur or the addition of a sulfate group.)
BT1 chemical reactions
RT oxidation
RT sulfates

SULFENAMIDES

INIS: Apr 2000; ETDE: Jan 1975
*BT1 amides
*BT1 organic sulfur compounds

sulfex process

Use reprocessing

sulfhydryl compounds

Use thiols

SULFHYDRYL RADICALS

BT1 radicals

SULFIBAN PROCESS

INIS: Apr 2000; ETDE: Sep 1976
(A process for coke oven gas desulfurization using mono-ethanolamine scrubbing.)
*BT1 desulfurization

SULFIDATION

INIS: Sep 1982; ETDE: Jul 1979
BT1 chemical reactions

SULFIDE MINERALS

INIS: Apr 1984; ETDE: May 1982
(From March 1977 till February 1995 CINNABAR was a valid ETDE descriptor; from April 1975 till March 1997 SPHALERITE was a valid ETDE descriptor.)
UF *cinnabar*
UF *sphalerite*
BT1 minerals
NT1 chalcopyrite
NT1 galena
NT1 marcasite
NT1 pyrite
NT1 pyrrhotite
NT2 troilite
RT copper sulfides
RT iron sulfides
RT lead sulfides
RT mercury sulfides

SULFIDES

UF *polysulfides*
UF+ *americium sulfides*
UF+ *berkelium sulfides*
UF+ *beryllium sulfides*
UF+ *californium sulfides*
UF+ *curium sulfides*
BT1 chalcogenides
BT1 sulfur compounds
NT1 aluminium sulfides
NT1 antimony sulfides
NT1 arsenic sulfides
NT1 barium sulfides
NT1 bismuth sulfides
NT1 boron sulfides
NT1 cadmium sulfides
NT1 calcium sulfides
NT1 carbon sulfides
NT1 cerium sulfides
NT1 cesium sulfides
NT1 chromium sulfides
NT1 cobalt sulfides
NT1 copper sulfides
NT1 dimethyl sulfide
NT1 dysprosium sulfides
NT1 erbium sulfides
NT1 europium sulfides
NT1 gadolinium sulfides
NT1 gallium sulfides
NT1 germanium sulfides
NT1 hafnium sulfides
NT1 holmium sulfides
NT1 hydrogen sulfides
NT1 indium sulfides
NT1 iron sulfides
NT1 lanthanum sulfides
NT1 lead sulfides
NT1 lithium sulfides
NT1 lutetium sulfides
NT1 magnesium sulfides
NT1 manganese sulfides
NT1 mercury sulfides
NT1 molybdenum sulfides
NT1 neodymium sulfides
NT1 neptunium sulfides
NT1 nickel sulfides
NT1 niobium sulfides
NT1 osmium sulfides
NT1 palladium sulfides
NT1 phosphorus sulfides
NT1 platinum sulfides
NT1 plutonium sulfides
NT1 potassium sulfides
NT1 praseodymium sulfides
NT1 rhenium sulfides
NT1 rhodium sulfides
NT1 rubidium sulfides
NT1 ruthenium sulfides
NT1 samarium sulfides
NT1 scandium sulfides
NT1 selenium sulfides
NT1 silicon sulfides
NT1 silver sulfides
NT1 sodium sulfides
NT1 strontium sulfides
NT1 tantalum sulfides
NT1 technetium sulfides
NT1 tellurium sulfides
NT1 terbium sulfides
NT1 thallium sulfides
NT1 thorium sulfides
NT1 thulium sulfides
NT1 tin sulfides
NT1 titanium sulfides
NT1 tungsten sulfides
NT1 uranium sulfides
NT1 vanadium sulfides
NT1 ytterbium sulfides
NT1 yttrium sulfides
NT1 zinc sulfides
NT1 zirconium sulfides
RT oxysulfides

sulfinic acids

Use organic acids
AND organic sulfur compounds

SULFINOL PROCESS

INIS: Apr 2000; ETDE: Jan 1975
(Process for removal of acidic gas constituents, such as hydrogen sulfide, carbon dioxide, COS, and mercaptans, from natural, refinery, and synthesis gases and lng feedstocks.)
*BT1 desulfurization

sulfite waste liquor

Use spent liquors

SULFITES

(Specific compounds should be indexed by coordination of a descriptor of the form (cation) compounds and the above anion descriptor.)
BT1 oxygen compounds
BT1 sulfur compounds
NT1 acid sulfites
RT sulfurous acid

SULFOCHLORINATION

*BT1 chlorination
*BT1 sulfonation

sulfocyanides

Use thiocyanates

SULFONAMIDES

UF+ *sulfadiazine*
*BT1 amides
*BT1 antimicrobial agents
*BT1 organic sulfur compounds
RT sulfonic acids

SULFONATES

(For salts of sulfonic acids; for esters see SULFONIC ACIDESTERS.)
*BT1 organic sulfur compounds
NT1 indocyanine green
NT1 petroleum sulfonates
RT sulfonic acid esters
RT sulfonic acids

SULFONATION

BT1 chemical reactions
NT1 sulfochlorination

SULFONES

UF+ *spadns*
UF+ *sulfophenyl-naphthalene-sulfonic acid*
*BT1 organic sulfur compounds

SULFONIC ACID ESTERS

*BT1 esters
*BT1 organic sulfur compounds
NT1 abs
NT1 ems
NT1 methyl methanesulfonate
NT1 petroleum sulfonates
RT sulfonates
RT sulfonic acids

SULFONIC ACIDS

UF+ *acid chrome dyes*
UF+ *beryllon*
UF+ *congo red*
UF+ *dsnadns*
UF+ *erioglaucine*
UF+ *spadns*
UF+ *sulfophenyl-naphthalene-sulfonic acid*
SF *syntans*
*BT1 organic acids
*BT1 organic sulfur compounds
NT1 arsenazo
NT1 bromosulfophthalein
NT1 chromotropic acid
NT1 eriochrome dyes
NT1 evans blue
NT1 ferron
NT1 methyl orange
NT1 nitroso-r salt
NT1 sulfanilic acid
NT1 taurine
NT1 thorin
NT1 tiron

NT1 trypan blue
NT1 unithiol
RT chloramines
RT sulfonamides
RT sulfonates
RT sulfonic acid esters

sulfophenyl-naphthalene-sulfonic acid
Use sulfones
AND sulfonic acids

sulfox process
Use desulfurization

SULFOXIDES
*BT1 organic sulfur compounds
NT1 dmso
NT1 dpso

SULFREEN PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process for desulfurization of residue gas from Claus tail unit to produce liquid S; hydrogen sulfide and sulfur dioxide are made to react at temperatures below the S dew point of the reaction gas mixture.)
*BT1 desulfurization

SULFUR
UF *sulfur sulfides*
*BT1 nonmetals
RT otto process
RT penelec process
RT resox process
RT sour crudes
RT sulfur content

SULFUR 24
INIS: Feb 1978; ETDE: May 1978
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 sulfur isotopes

SULFUR 27
INIS: Aug 1986; ETDE: May 1984
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 sulfur isotopes

SULFUR 28
INIS: Sep 1989; ETDE: May 1984
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 sulfur isotopes

SULFUR 29
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 sulfur isotopes

SULFUR 30
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 seconds living radioisotopes
*BT1 sulfur isotopes

SULFUR 31
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 seconds living radioisotopes
*BT1 sulfur isotopes

SULFUR 32
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 stable isotopes
*BT1 sulfur isotopes
RT sulfur 32 beams
RT sulfur 32 reactions

SULFUR 32 BEAMS
*BT1 ion beams
RT sulfur 32

SULFUR 32 REACTIONS
*BT1 heavy ion reactions
RT sulfur 32

SULFUR 32 TARGET
BT1 targets

SULFUR 33
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 stable isotopes
*BT1 sulfur isotopes

SULFUR 33 REACTIONS
INIS: Apr 1978; ETDE: Jul 1978
*BT1 heavy ion reactions

SULFUR 33 TARGET
BT1 targets

SULFUR 34
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 stable isotopes
*BT1 sulfur isotopes
RT sulfur 34 reactions

SULFUR 34 REACTIONS
*BT1 heavy ion reactions
RT sulfur 34

SULFUR 34 TARGET
BT1 targets

SULFUR 35
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 sulfur isotopes

SULFUR 36
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 stable isotopes
*BT1 sulfur isotopes

SULFUR 36 REACTIONS
INIS: Jul 1980; ETDE: Aug 1980
*BT1 heavy ion reactions

SULFUR 36 TARGET
BT1 targets

SULFUR 37
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 minutes living radioisotopes
*BT1 sulfur isotopes

SULFUR 38
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 light nuclei
*BT1 sulfur isotopes

SULFUR 38 BEAMS
INIS: Dec 1986; ETDE: Feb 1987
*BT1 radioactive ion beams

SULFUR 39
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 seconds living radioisotopes
*BT1 sulfur isotopes
RT sulfur 39 reactions

SULFUR 39 REACTIONS
INIS: Sep 1992; ETDE: Jul 1985
*BT1 heavy ion reactions
RT sulfur 39

SULFUR 40
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 seconds living radioisotopes
*BT1 sulfur isotopes

SULFUR 41
INIS: Mar 1976; ETDE: Feb 1976
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 sulfur isotopes

SULFUR 42
INIS: Mar 1976; ETDE: Feb 1976
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 sulfur isotopes

SULFUR 43
INIS: Jul 1980; ETDE: Feb 1980
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 sulfur isotopes

SULFUR 44
INIS: Apr 1986; ETDE: Jul 1986
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 sulfur isotopes

SULFUR 45
INIS: Sep 1989; ETDE: Oct 1989
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 sulfur isotopes

SULFUR 46
INIS: Sep 1989; ETDE: Oct 1989
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 sulfur isotopes

SULFUR 47
INIS: Sep 1989; ETDE: Oct 1989
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 sulfur isotopes

SULFUR 48
INIS: Apr 1990; ETDE: May 1990
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 sulfur isotopes

SULFUR ADDITIONS
INIS: Apr 2000; ETDE: Dec 1974
BT1 alloys
NT1 ni-hard

sulfur carbides
Use carbon sulfides

SULFUR CHLORIDES
*BT1 chlorides
BT1 sulfur compounds

SULFUR COMPLEXES
BT1 complexes

SULFUR COMPOUNDS
UF+ *polythionates*
UF+ *polythionic acids*
NT1 carbon oxysulfide
NT1 oxysulfides
NT1 persulfates
NT1 persulfuric acid
NT1 sulfates
NT2 acid sulfates
NT2 aluminium sulfates
NT2 ammonium sulfates
NT2 antimony sulfates
NT2 barium sulfates
NT2 beryllium sulfates
NT2 bismuth sulfates
NT2 cadmium sulfates
NT2 calcium sulfates
NT2 cerium sulfates
NT2 cesium sulfates
NT2 chromium sulfates
NT2 cobalt sulfates
NT2 copper sulfates
NT2 dysprosium sulfates
NT2 erbium sulfates
NT2 europium sulfates
NT2 gadolinium sulfates
NT2 gallium sulfates
NT2 hafnium sulfates
NT2 holmium sulfates
NT2 indium sulfates
NT2 iridium sulfates
NT2 iron sulfates
NT2 lanthanum sulfates
NT2 lead sulfates
NT2 lithium sulfates
NT2 lutetium sulfates
NT2 magnesium sulfates
NT2 manganese sulfates
NT2 mercury sulfates
NT2 molybdenum sulfates
NT2 neodymium sulfates
NT2 neptunium sulfates
NT2 nickel sulfates
NT2 niobium sulfates
NT2 platinum sulfates
NT2 plutonium sulfates
NT2 potassium sulfates
NT2 praseodymium sulfates
NT2 radium sulfates
NT2 rhenium sulfates
NT2 rubidium sulfates
NT2 ruthenium sulfates
NT2 samarium sulfates
NT2 scandium sulfates
NT2 silver sulfates
NT2 sodium sulfates
NT2 strontium sulfates
NT2 tantalum sulfates
NT2 terbium sulfates
NT2 thallium sulfates
NT2 thorium sulfates
NT2 thulium sulfates
NT2 tin sulfates
NT2 titanium sulfates
NT2 uranium sulfates
NT2 uranyl sulfates
NT2 vanadium sulfates
NT2 ytterbium sulfates
NT2 yttrium sulfates
NT2 zinc sulfates
NT2 zirconium sulfates
NT1 sulfides
NT2 aluminium sulfides
NT2 antimony sulfides
NT2 arsenic sulfides
NT2 barium sulfides
NT2 bismuth sulfides
NT2 boron sulfides
NT2 cadmium sulfides
NT2 calcium sulfides
NT2 carbon sulfides
NT2 cerium sulfides
NT2 cesium sulfides
NT2 chromium sulfides
NT2 cobalt sulfides
NT2 copper sulfides
NT2 dimethyl sulfide
NT2 dysprosium sulfides
NT2 erbium sulfides
NT2 europium sulfides
NT2 gadolinium sulfides
NT2 gallium sulfides
NT2 germanium sulfides
NT2 hafnium sulfides
NT2 holmium sulfides
NT2 hydrogen sulfides
NT2 indium sulfides
NT2 iron sulfides
NT2 lanthanum sulfides
NT2 lead sulfides
NT2 lithium sulfides
NT2 lutetium sulfides
NT2 magnesium sulfides
NT2 manganese sulfides
NT2 mercury sulfides
NT2 molybdenum sulfides
NT2 neodymium sulfides
NT2 neptunium sulfides
NT2 nickel sulfides
NT2 niobium sulfides
NT2 osmium sulfides
NT2 palladium sulfides
NT2 phosphorus sulfides
NT2 platinum sulfides
NT2 plutonium sulfides
NT2 potassium sulfides
NT2 praseodymium sulfides
NT2 rhenium sulfides
NT2 rhodium sulfides
NT2 rubidium sulfides
NT2 ruthenium sulfides
NT2 samarium sulfides
NT2 scandium sulfides
NT2 selenium sulfides
NT2 silicon sulfides
NT2 silver sulfides
NT2 sodium sulfides
NT2 strontium sulfides
NT2 tantalum sulfides
NT2 technetium sulfides
NT2 tellurium sulfides
NT2 terbium sulfides
NT2 thallium sulfides
NT2 thorium sulfides
NT2 thulium sulfides
NT2 tin sulfides
NT2 titanium sulfides
NT2 tungsten sulfides
NT2 uranium sulfides
NT2 vanadium sulfides
NT2 ytterbium sulfides
NT2 yttrium sulfides
NT2 zinc sulfides
NT2 zirconium sulfides
NT1 sulfites
NT2 acid sulfites
NT1 sulfur chlorides
NT1 sulfur fluorides
NT1 sulfur nitrides
NT1 sulfur oxides
NT2 sulfur dioxide
NT2 sulfur trioxide
NT1 sulfuric acid
NT1 sulfurous acid
NT1 sulfuryl compounds
RT organic sulfur compounds

SULFUR CONTENT
INIS: Feb 1992; ETDE: Aug 1980
RT chemical composition
RT coal
RT sulfur

SULFUR CYCLE
INIS: Oct 1991; ETDE: Mar 1979
RT ecological concentration
RT ecosystems
RT metabolism
RT mineral cycling
RT sulfate-reducing bacteria
RT sulfur-oxidizing bacteria

SULFUR DIOXIDE
INIS: Dec 1991; ETDE: Jan 1975
(Prior to January 1992, this was indexed by SULFUR OXIDES.)
*BT1 sulfur oxides

SULFUR FLUORIDES
*BT1 fluorides
BT1 sulfur compounds
RT gas-insulated substations

sulfur hydrides
Use hydrogen sulfides

SULFUR IONS
*BT1 ions

SULFUR ISOTOPES
BT1 isotopes
NT1 sulfur 24
NT1 sulfur 27
NT1 sulfur 28
NT1 sulfur 29
NT1 sulfur 30
NT1 sulfur 31
NT1 sulfur 32
NT1 sulfur 33
NT1 sulfur 34
NT1 sulfur 35
NT1 sulfur 36
NT1 sulfur 37
NT1 sulfur 38
NT1 sulfur 39
NT1 sulfur 40
NT1 sulfur 41
NT1 sulfur 42
NT1 sulfur 43
NT1 sulfur 44
NT1 sulfur 45
NT1 sulfur 46
NT1 sulfur 47
NT1 sulfur 48

SULFUR METERS
INIS: Feb 1983; ETDE: Dec 1978
*BT1 meters
RT chemical analysis
RT pollution control equipment

SULFUR NITRIDES
UF *nitrogen sulfides*
*BT1 nitrides
BT1 sulfur compounds

SULFUR ORES
INIS: Apr 2000; ETDE: Jun 1978
BT1 ores

SULFUR OXIDES
*BT1 oxides
BT1 sulfur compounds
NT1 sulfur dioxide
NT1 sulfur trioxide
RT oxysulfides

SULFUR-OXIDIZING BACTERIA
INIS: Oct 1991; ETDE: Jan 1984
- *BT1 bacteria
- **NT1** rhodococcus
- **NT1** thiobacillus ferroxidans
- **NT1** thiobacillus oxidans
- *RT* desulfurization
- *RT* sulfur cycle

sulfur sulfides
Use sulfur

SULFUR TRIOXIDE
INIS: May 1992; ETDE: Feb 1975
- *BT1 sulfur oxides

SULFURIC ACID
- UF *hydrogen sulfates*
- *BT1 inorganic acids
- BT1 oxygen compounds
- BT1 sulfur compounds
- *RT* acid sulfates
- *RT* acid sulfites
- *RT* persulfuric acid
- *RT* sulfates
- *RT* sulfuric acid esters
- *RT* sulfuryl compounds

SULFURIC ACID ESTERS
INIS: Apr 1978; ETDE: Jan 1975
- UF+ *sodium lauryl sulfates*
- *BT1 esters
- *BT1 organic sulfur compounds
- *RT* sulfuric acid

SULFUROUS ACID
- *BT1 inorganic acids
- BT1 oxygen compounds
- BT1 sulfur compounds
- *RT* sulfites

SULFURYL COMPOUNDS
INIS: Sep 1994; ETDE: Jan 1975
- BT1 sulfur compounds
- *RT* sulfuric acid

SUM RULES
- BT1 equations
- *RT* quantum mechanics

SUMMER-1 REACTOR
- UF *virgil c summer-1 reactor*
- *BT1 pwr type reactors

SUMMIT-1 REACTOR
- *BT1 enriched uranium reactors
- *BT1 helium cooled reactors
- *BT1 htgr type reactors
- *BT1 power reactors

SUMMIT-2 REACTOR
- *BT1 enriched uranium reactors
- *BT1 helium cooled reactors
- *BT1 htgr type reactors
- *BT1 power reactors

SUN
- *BT1 main sequence stars
- *RT* chromosphere
- *RT* energy sources
- *RT* international geophysical year
- *RT* international quiet sun year
- *RT* international solar maximum year
- *RT* orbiting solar observatories
- *RT* photosphere
- *RT* sky
- *RT* solar activity
- *RT* solar atmosphere
- *RT* solar corona
- *RT* solar cycle
- *RT* solar energy
- *RT* solar flares
- *RT* solar granulation
- *RT* solar prominences
- *RT* solar radiation
- *RT* solar radio bursts
- *RT* solar system
- *RT* solar wind
- *RT* solar x-ray bursts

SUN BEAM OPERATION
INIS: Apr 2000; ETDE: Nov 1986
- *BT1 nuclear explosions
- *BT1 underground explosions
- *RT* contained explosions

SUN CHARTS
INIS: Apr 2000; ETDE: Mar 1980
(Charts that map the height angle and horizontal angle of the sun for a given location and time.)
- *BT1 diagrams
- *RT* altitude
- *RT* coordinates
- *RT* insolation
- *RT* solar radiation

SUN SHADES
INIS: Apr 2000; ETDE: Oct 1975
- *RT* buildings
- *RT* cooling load
- *RT* curtains
- *RT* shading
- *RT* shutters

SUNDESERT-1 REACTOR
INIS: Oct 1977; ETDE: May 1977
(Blythe, California, USA)
- *BT1 pwr type reactors

SUNDESERT-2 REACTOR
INIS: Oct 1977; ETDE: May 1977
(Blythe, California, USA)
- *BT1 pwr type reactors

SUNFLOWER OIL
INIS: Apr 2000; ETDE: Mar 1984
- *BT1 vegetable oils

SUNFLOWERS
- UF *helianthus annuus*
- UF *jerusalem artichokes*
- *BT1 magnoliopsida

SUNNYSIDE DEPOSIT
INIS: Apr 2000; ETDE: May 1977
- *BT1 oil sand deposits
- *RT* oil sands
- *RT* utah

SUNSHINE PROJECT
- UF *project sunshine*
- *RT* fallout

SUNSPOTS
- BT1 solar activity
- *BT1 starspots
- *RT* photosphere
- *RT* solar cycle
- *RT* solar flares

super high frequency radiation
Use ghz range 01-100
AND radiowave radiation

SUPER KUKLA REACTOR
INIS: Nov 1975; ETDE: Jan 1975
(Lawrence Livermore Laboratory prompt burst reactor)
- *BT1 pulsed reactors
- *BT1 research and test reactors

SUPER PHENIX REACTOR
(Creys Malville, Isere, France)
- UF *creys-malville reactor*
- *BT1 enriched uranium reactors
- *BT1 lmfbr type reactors
- *BT1 plutonium reactors
- *BT1 sodium cooled reactors

super power water boiler
Use supo reactor

superalloys
Use heat resisting alloys

SUPERCHARGERS
INIS: Apr 2000; ETDE: Jan 1975
- UF *supercharging*
- BT1 compressors
- **NT1** turbochargers
- *RT* blowers
- *RT* internal combustion engines

supercharging
Use superchargers

SUPERCOMPUTERS
INIS: Oct 1986; ETDE: Nov 1984
(The largest, fastest, most powerful computers available at any given time.)
- *BT1 digital computers
- *RT* cdc computers
- *RT* cedar computers
- *RT* cray computers
- *RT* hypercube computers
- *RT* nec computers
- *RT* vector processing

SUPERCONDUCTING CABLES
- *BT1 electric cables
- *RT* cryogenic cables
- *RT* gas-insulated cables
- *RT* superconducting composites
- *RT* superconducting devices
- *RT* superconductivity

SUPERCONDUCTING CAVITY RESONATORS
- *BT1 cavity resonators
- BT1 superconducting devices
- *RT* cyclic accelerators
- *RT* microwave equipment
- *RT* rf systems

SUPERCONDUCTING COILS
INIS: May 1976; ETDE: Nov 1975
(Prior to January 1983 this concept was indexed by SUPERCONDUCTING DEVICES.)
- *BT1 electric coils
- *RT* magnet coils
- *RT* magnetic energy storage equipment
- *RT* superconducting magnetic energy storage
- *RT* superconducting magnets

SUPERCONDUCTING COLLOID DETECTORS
INIS: Oct 1976; ETDE: Nov 1976
(Operates on the principle that a charged particle passing through a superconducting colloid in the metastable, superheated state leads to a measurable change in the inductance of a surrounding pick-up coil.)
- *BT1 radiation detectors
- BT1 superconducting devices
- *RT* colloids
- *RT* position sensitive detectors

SUPERCONDUCTING COMPOSITES
(Superconductors embedded or clad in a conductor matrix.)
*BT1 composite materials
RT superconducting cables

SUPERCONDUCTING CYCLOTRONS
INIS: Oct 1991; ETDE: Mar 1983
*BT1 cyclotrons
NT1 milan superconducting cyclotron
NT1 texas superconducting cyclotron
RT superconducting devices

SUPERCONDUCTING DEVICES
INIS: Feb 1976; ETDE: Jun 1975
(Restricted to general or review articles and bibliographies.)
NT1 cryotrons
NT1 flux pumps
NT1 squid devices
NT1 superconducting cavity resonators
NT1 superconducting colloid detectors
NT1 superconducting generators
NT1 superconducting magnets
NT1 superconducting motors
RT superconducting cables
RT superconducting cyclotrons
RT superconducting junctions

SUPERCONDUCTING FILMS
INIS: Jun 1983; ETDE: Jun 1975
BT1 films
RT superconductors

superconducting flux pumps
Use flux pumps

SUPERCONDUCTING GENERATORS
*BT1 rotating generators
BT1 superconducting devices

SUPERCONDUCTING JUNCTIONS
SF *junctions*
NT1 josephson junctions
RT superconducting devices
RT superconductors
RT tunnel effect

SUPERCONDUCTING MAGNETIC ENERGY STORAGE
INIS: Feb 1984; ETDE: Oct 1982
(Until January 1995 this concept was indexed to SUPERCONDUCTIVE ENERGY STORAGE.)
UF *smes*
UF *superconductive energy storage*
*BT1 magnetic energy storage
RT superconducting coils
RT superconducting magnets

SUPERCONDUCTING MAGNETS
(From February 1979 to March 1997 LARGE COIL PROGRAM was a valid ETDE descriptor.)
UF+ *large coil program*
UF+ *superconducting solenoids*
*BT1 electromagnets
BT1 superconducting devices
RT magnet coils
RT magnetic energy storage
RT magnetic energy storage equipment
RT superconducting coils
RT superconducting magnetic energy storage
RT superconductors

SUPERCONDUCTING MOTORS
*BT1 electric motors
BT1 superconducting devices

superconducting quantum interference devices
Use squid devices

superconducting solenoids
Use solenoids
AND superconducting magnets

SUPERCONDUCTING SUPER COLLIDER
INIS: Jan 1985; ETDE: Mar 1984
UF *desertron*
UF *ssc*
BT1 storage rings
*BT1 synchrotrons

SUPERCONDUCTING WIRES
INIS: Nov 1982; ETDE: Jun 1975
BT1 wires
RT superconductors

superconductive energy storage
Use superconducting magnetic energy storage

SUPERCONDUCTIVITY
*BT1 electric conductivity
RT abrikosov theory
RT ac losses
RT anyons
RT bcs theory
RT belyaev theory
RT bogolyubov method
RT coherence length
RT collective excitations
RT cooper pairs
RT critical current
RT critical field
RT cryogenics
RT electron-electron coupling
RT electron-hole coupling
RT electron-ion coupling
RT electron-phonon coupling
RT energy gap
RT flux quantization
RT ginzburg-landau theory
RT gorkov-eliashberg theory
RT helicon resonance
RT high-tc superconductors
RT hubbard model
RT intermediate state
RT josephson effect
RT kisslinger-sorensen theory
RT kosterlitz-thouless theory
RT london equation
RT magnetic flux
RT meissner-ochsenfeld effect
RT mixed state
RT penetration depth
RT pippard theory
RT proximity effect
RT quenching
RT superconducting cables
RT tunnel effect

SUPERCONDUCTORS
NT1 organic superconductors
NT2 bedt-ttf
NT2 tmtsf
NT2 ttf-tcnq
NT1 stabilized superconductors
NT1 type-i superconductors
NT1 type-ii superconductors
NT2 high-tc superconductors
RT abrikosov theory
RT electric conductors
RT magnetic shielding
RT squid devices
RT superconducting films
RT superconducting junctions
RT superconducting magnets
RT superconducting wires

SUPERCONVERGENCE RELATIONS
RT convergence
RT mathematics
RT series expansion

supercritical flow
Use turbulent flow

SUPERCRITICAL FLUID CHROMATOGRAPHY
INIS: Mar 1993; ETDE: Jul 1983
*BT1 chromatography
RT capillaries
RT chemical analysis

SUPERCRITICAL GAS EXTRACTION
INIS: Sep 1994; ETDE: Nov 1978
(Extraction of a substance with a solvent in its supercritical state.)
*BT1 solvent extraction
RT coal liquefaction
RT coal liquids

SUPERCRITICAL STATE
INIS: Jan 1992; ETDE: Jul 1986
(Homogeneous phase existing above critical temperature and above critical pressure.)
RT critical pressure
RT critical temperature
RT phase transformations

SUPERDEFORMED NUCLEI
INIS: Apr 1994; ETDE: Apr 1994
*BT1 deformed nuclei

SUPERDISLOCATIONS
(Groups of dislocations with specific space configuration.)
RT dislocations

SUPERFLUID MODEL
*BT1 nuclear models

SUPERFLUIDITY
RT bose-einstein condensation
RT cryogenics
RT fifth sound
RT film flow
RT fluid flow
RT fourth sound
RT ginzburg-pitaevskii theory
RT helium 3 a
RT helium 3 a1
RT helium 3 b
RT helium ii
RT khalatnikov theory
RT kosterlitz-thouless theory
RT lambda point
RT landau liquid helium theory
RT second sound
RT third sound
RT viscosity
RT vortex flow
RT zero sound

superfluorescence
Use superradiance

superfund
Use us superfund

SUPERGIANT STARS
*BT1 giant stars

supergranulation
Use solar granulation

SUPERGRAVITY
INIS: Sep 1977; ETDE: Nov 1977
(A theory connecting fermion-boson supersymmetry with gravitation.)
*BT1 unified-field theories
RT compactification
RT gauge invariance
RT graded lie groups
RT gravitation
RT gravitons
RT kaluza-klein theory
RT quantum field theory
RT quantum gravity
RT supersymmetry

SUPERHEATERS
UF *steam superheaters*
RT reactor cooling systems
RT steam generators
RT superheating

SUPERHEATING
BT1 heating
NT1 nuclear superheating
RT steam
RT superheaters

superheavy elements
Use trans 104 elements

superheterodyne receivers
Use heterodyne receivers

SUPERHILAC
UF *berkeley superhilac*
*BT1 hilacs
RT bevalac

SUPERIOR PROCESS
INIS: Apr 2000; ETDE: Mar 1977
(Circular-grate retort used in processing shale; nahcolite and dawsonite are co-products with shale oil.)
RT oil shales

SUPERLATTICES
RT order-disorder transformations
RT solid solutions

SUPERMASSIVE STARS
(Of the order of 100000 solar masses.)
BT1 stars

SUPERMULTIPLETS
BT1 multiplets

SUPERNOVA REMNANTS
BT1 cosmic radio sources
NT1 crab nebula
RT pulsars
RT supernovae

SUPERNOVAE
*BT1 eruptive variable stars
RT novae
RT supernova remnants

SUPEROPERATORS
(Acting on other mathematical operator(s).)
BT1 mathematical operators

SUPEROXIDE DISMUTASE
INIS: Apr 1984; ETDE: Feb 1984
UF *sod*
*BT1 oxidoreductases

SUPEROXIDE RADICALS
INIS: Apr 1984; ETDE: Aug 1977
BT1 radicals

SUPERPARAMAGNETISM
INIS: Feb 1976; ETDE: Apr 1976
(Quasiparamagnetism of small magnetically ordered particles.)
BT1 magnetism

SUPERPHOSPHATES
BT1 fertilizers
*BT1 phosphates

SUPERRADIANCE
INIS: Feb 1984; ETDE: May 1980
(A fast cooperative spontaneous deexcitation process in which an ensemble of atoms emit an intense burst of radiation .)
UF *cooperative spontaneous emission*
UF *emission (cooperative spontaneous)*
UF *spontaneous emission (cooperative)*
UF *superfluorescence*
*BT1 photon emission
*BT1 stimulated emission
RT atoms
RT fluorescence
RT laser radiation

SUPERSATURATION
BT1 saturation
RT precipitation
RT solubility
RT solutions

SUPERSELECTION RULES
BT1 selection rules
RT quantum mechanics

SUPERSONIC FLOW
BT1 fluid flow
RT aerodynamics
RT compressible flow
RT shock waves
RT transonic flow
RT wind tunnels

SUPERSONIC TRANSPORT
*BT1 air transport
RT aircraft
RT cosmic radiation
RT solar flares
RT stratosphere

SUPERSTRING MODELS
INIS: May 1992; ETDE: Jun 1992
*BT1 string models
RT particle structure
RT supersymmetry

supersymmetric particles
Use sparticles

SUPERSYMMETRY
INIS: Feb 1978; ETDE: May 1978
BT1 symmetry
RT graded lie groups
RT group theory
RT quantum field theory
RT supergravity
RT superstring models
RT unified-field theories

supertankers
Use tanker ships

SUPERTHERM
INIS: Apr 2000; ETDE: Aug 1979
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 iron alloys
*BT1 nickel alloys
*BT1 silicon alloys
*BT1 tungsten alloys

supervisor codes
Use executive codes

supervoltage radiotherapy
Use radiotherapy

SUPO REACTOR
(Los Alamos Scientific Lab., Los Alamos, New Mexico, USA)
UF *los alamos water boiler reactor*
UF *super power water boiler*
*BT1 aqueous homogeneous reactors
*BT1 enriched uranium reactors
*BT1 research reactors
*BT1 thermal reactors

supply
Use availability

SUPPLY AND DEMAND
INIS: Oct 1991; ETDE: Mar 1978
(Relationship between the quantity that producers wish to sell at various prices and the quantity of a commodity that consumers wish to buy.)
RT demand
RT demand factors
RT domestic supplies
RT economics
RT energy demand
RT energy supplies
RT market
RT spot market
RT supply disruption
RT trade

SUPPLY DISRUPTION
INIS: Dec 1991; ETDE: Oct 1979
RT embargoes
RT energy supplies
RT shortages
RT supply and demand

SUPPORT PILLARS
INIS: Apr 2000; ETDE: Jun 1979
RT supports

SUPPORTED LIQUID MEMBRANES
INIS: Oct 1998; ETDE: Sep 1985
BT1 membranes
RT membrane transport
RT separation processes

SUPPORTS
UF *columns (structural)*
BT1 mechanical structures
NT1 foundations
NT1 fuel racks
NT1 powered supports
NT2 shield supports
RT catalyst supports
RT mining equipment
RT reactor core restraints
RT restraints
RT roof bolts
RT support pillars

supports (catalyst)
Use catalyst supports

suppression
Use inhibition

supra-thermal electrons
Use tail electrons

supra-thermal ions
Use tail ions

supralethal doses
Use supralethal irradiation

SUPRALETHAL IRRADIATION
UF *supralethal doses*
BT1 irradiation
RT death
RT dose-response relationships
RT lethal irradiation
RT lethal radiation dose
RT mortality
RT radiation doses

sur-100 aachen
Use sur-100 series reactor

sur-100 berlin
Use sur-100 series reactor

sur-100 bremen
Use sur-100 series reactor

sur-100 darmstadt
Use sur-100 series reactor

sur-100 hamburg
Use sur-100 series reactor

sur-100 karlsruhe
Use sur-100 series reactor

sur-100 kiel
Use sur-100 series reactor

sur-100 muenchen
Use sur-100 series reactor

SUR-100 SERIES REACTOR
UF *siemens unterrichtsreaktor*
UF *sur-100 aachen*
UF *sur-100 berlin*
UF *sur-100 bremen*
UF *sur-100 darmstadt*
UF *sur-100 hamburg*
UF *sur-100 karlsruhe*
UF *sur-100 kiel*
UF *sur-100 muenchen*
UF *sur-100 stuttgart*
UF *sur-100 ulm*
*BT1 enriched uranium reactors
*BT1 organic moderated reactors
*BT1 solid homogeneous reactors
*BT1 thermal reactors
*BT1 training reactors

sur-100 stuttgart
Use sur-100 series reactor

sur-100 ulm
Use sur-100 series reactor

surcharges
See charges
OR taxes

SURF II STORAGE RING
INIS: Jul 1984; ETDE: Aug 1984
(NBS Synchrotron Ultraviolet Radiation Facility.)
UF *nbs synchrotron ultraviolet radiation facility*
UF *synchrotron uv radiation facility (nbs)*
BT1 storage rings
*BT1 synchrotron radiation sources

surface-active agents
Use surfactants

SURFACE AIR
*BT1 air
RT earth atmosphere
RT particle resuspension

SURFACE AREA
INIS: May 1986; ETDE: Sep 1977
(Extent of the area covered by a surface. See also SPECIFIC SURFACE AREA.)
BT1 surface properties
RT surfaces

surface area (specific)
Use specific surface area

SURFACE BARRIER DETECTORS
*BT1 semiconductor detectors
RT depletion layer
RT surface barrier transistors

SURFACE BARRIER TRANSISTORS
*BT1 transistors
RT depletion layer
RT surface barrier detectors

surface boiling
Use subcooled boiling

SURFACE CLEANING
BT1 cleaning
BT1 surface finishing
RT decontamination
RT descaling
RT polishing
RT scrapers
RT shot peening

SURFACE COATING
UF *coating (surface)*
UF *coating processes*
BT1 deposition
NT1 chemical coating
NT2 chemical vapor deposition
NT2 electrochemical coating
NT3 anodization
NT1 cladding
NT1 diffusion coating
NT1 dip coating
NT2 hot dipping
NT1 electrodeposition
NT2 electroplating
NT1 energy beam deposition
NT1 physical vapor deposition
NT1 plating
NT2 electroplating
NT2 vapor plating
NT1 screen printing
NT1 spin-on coating
NT1 spray coating
NT2 flame spraying
NT2 plasma arc spraying
NT1 vacuum coating
RT coatings
RT corrosion protection
RT hard facing
RT liners
RT lining processes
RT surface finishing
RT waterproofing

SURFACE CONTAMINATION
(For radioactive contamination only; see also POLLUTION.)
UF *contamination (surface)*
UF *soiling*
BT1 contamination
RT decontamination
RT radioactivity
RT surface contamination monitors

SURFACE CONTAMINATION MONITORS
*BT1 radiation monitors
RT surface contamination

surface delta interaction
Use surface delta potential

SURFACE DELTA POTENTIAL
UF *modified surface delta potential*
UF *surface delta interaction*
*BT1 nucleon-nucleon potential
RT surface potential

surface-effect machines
Use air cushion vehicles

SURFACE ENERGY
(The energy per unit area of an exposed surface of a liquid; generally greater than the surface tension. Prior to June 1986 SURFACE TENSION was used for this concept.)
*BT1 free energy
BT1 surface properties
RT surface tension

SURFACE EXPLOSIONS
UF+ *bravo event*
UF+ *holly event*
UF+ *middle gust event*
UF+ *mike event*
UF+ *zuni event*
BT1 explosions
RT castle project
RT cratering explosions
RT craters
RT nuclear excavation
RT nuclear explosions
RT plowshare project
RT redwing project

SURFACE FINISHING
UF *finishing (surface)*
NT1 descaling
NT1 etching
NT1 polishing
NT2 chemical polishing
NT2 electropolishing
NT2 mechanical polishing
NT1 surface cleaning
RT coatings
RT machining
RT metallography
RT surface coating
RT surface hardening

SURFACE FORCES
INIS: Apr 2000; ETDE: May 1979
(External forces which act only on the surfaces of bodies.)
RT mechanics

SURFACE HARDENING
BT1 hardening
BT1 surface treatments
NT1 carburization
RT cold working
RT shot peening
RT surface finishing

SURFACE IONIZATION
BT1 ionization
NT1 adiabatic surface ionization
RT ion thrusters

SURFACE MINING
INIS: Oct 1975; ETDE: Jan 1975
UF *cross-ridge mining*
UF *open pit mining*
UF *quarrying*

UF *strip mining*
BT1 mining
RT auger mining
RT coal mining
RT contained explosions
RT cratering explosions
RT culm
RT excavation
RT fracturing
RT mines
RT mining engineering
RT oil sand mining
RT oil shale mining
RT slope stability
RT underground mining

SURFACE MINING ACTS

INIS: Feb 1992; ETDE: Apr 1978
*BT1 mining laws

SURFACE POTENTIAL

INIS: Oct 1983; ETDE: Apr 1979
BT1 potentials
RT surface delta potential
RT surface properties
RT work functions

SURFACE PROPERTIES

NT1 absorptivity
NT1 emissivity
NT1 reflectivity
NT1 roughness
NT1 sorptive properties
NT1 surface area
NT1 surface energy
NT1 surface tension
RT adhesion
RT adsorption
RT ceramography
RT corrosion
RT physical properties
RT surface potential
RT surface treatments
RT tribology
RT waterproofing
RT wettability

SURFACE TENSION

(The force acting on the surface of a liquid, tending to minimize the area of the surface; it equals the free energy per unit surface.)
UF *tension (surface)*
SF *interfacial tension*
BT1 surface properties
RT surface energy
RT surfactants

SURFACE TREATMENTS

NT1 pickling
NT2 corrosion pickling
NT1 shot peening
NT1 surface hardening
NT2 carburization
RT sample preparation
RT surface properties
RT waterproofing

SURFACE WATERS

NT1 coastal waters
NT2 bays
NT3 bay of biscay
NT3 bay of fundy
NT3 biscayne bay
NT3 chesapeake bay
NT3 delaware bay
NT3 galveston bay
NT3 matagorda bay
NT3 onslow bay
NT3 prudhoe bay
NT3 sequim bay
NT2 estuaries
NT3 fiords
NT3 long island sound
NT1 lakes
NT2 ambrosia lake
NT2 aral sea
NT2 athabasca lake
NT2 caspian sea
NT2 dead sea
NT2 great lakes
NT3 lake erie
NT3 lake huron
NT3 lake michigan
NT3 lake ontario
NT3 lake superior
NT2 great salt lake
NT2 lake baikal
NT2 lake balaton
NT2 lake drukshiai
NT2 lake wabamun
NT2 salton sea
NT1 panama canal
NT1 ponds
NT2 cooling ponds
NT2 settling ponds
NT2 solar ponds
NT3 roof ponds
NT1 rivers
NT2 allegheny river
NT2 altamaha river
NT2 amazon river
NT2 arkansas river
NT2 au sable river
NT2 blind river
NT2 brahmaputra river
NT2 brazos river
NT2 cape fear river
NT2 chattahoochee river
NT2 clinch river
NT2 colorado river
NT2 columbia river
NT2 connecticut river
NT2 cumberland river
NT2 danube river
NT2 delaware river
NT2 detroit river
NT2 dnieper river
NT2 dudvah river
NT2 fraser river
NT2 ganga river
NT2 grand river
NT2 gunnison river
NT2 hudson river
NT2 james river
NT2 kennebec river
NT2 lewis river
NT2 little tennessee river
NT2 menominee river
NT2 mississippi river
NT2 missouri river
NT2 mohawk river
NT2 nelson river
NT2 niagara river
NT2 niger river
NT2 nile river
NT2 north platte river
NT2 ohio river
NT2 ottawa river
NT2 peace river
NT2 piceance creek
NT2 po river
NT2 potomac river
NT2 pripet river
NT2 rhine river
NT2 rhone river
NT2 rio grande river
NT2 saginaw river
NT2 saint clair river
NT2 saint john river
NT2 santee river
NT2 savannah river
NT2 severn river
NT2 skagit river
NT2 st lawrence river
NT2 streams
NT2 susquehanna river
NT2 techa river
NT2 tennessee river
NT2 thames river
NT2 tigris river
NT2 vah river
NT2 volga river
NT2 white river
NT2 yangtze river
NT2 yellow creek
NT2 yellow river
NT2 yukon river
NT1 seas
NT2 antarctic ocean
NT3 weddell sea
NT2 aral sea
NT2 arctic ocean
NT3 beaufort sea
NT4 prudhoe bay
NT3 chukchi sea
NT2 atlantic ocean
NT3 baltimore canyon
NT3 bay of biscay
NT3 bay of fundy
NT3 biscayne bay
NT3 caribbean sea
NT4 gulf of mexico
NT5 galveston bay
NT5 san antonio bay
NT3 chesapeake bay
NT3 delaware bay
NT3 gulf of maine
NT3 irish sea
NT3 long island sound
NT3 mid-atlantic bight
NT4 new york bight
NT3 north sea
NT4 wadden sea
NT3 onslow bay
NT3 sargasso sea
NT3 south atlantic bight
NT3 weddell sea
NT2 baltic sea
NT2 black sea
NT2 caspian sea
NT2 indian ocean
NT3 arabian sea
NT4 persian gulf
NT5 strait of hormuz
NT3 timor sea
NT2 mediterranean sea
NT3 adriatic sea
NT3 aegean sea
NT2 pacific ocean
NT3 bering sea
NT3 china sea
NT3 gulf of alaska
NT3 gulf of california
NT3 puget sound
NT3 san francisco bay
NT3 santa barbara channel
NT3 sequim bay
NT3 tasman sea
NT2 red sea
NT3 gulf of suez
NT1 suez canal
NT1 swimming pools
NT1 territorial waters
NT1 water reservoirs
NT2 cooling ponds
RT air-water interactions
RT alluvial deposits
RT atmospheric precipitations

RT fishes
RT floods
RT ground water
RT hydrology
RT hydrosphere
RT irrigation
RT liquid wastes
RT marshes
RT plankton
RT swamps
RT water
RT water currents
RT water resources
RT watersheds
RT wetlands

surface waves (plasma)
Use plasma surface waves

surface waves (seismic)
Use seismic surface waves

SURFACES
UF+ *crystal faces*
NT1 spectrally selective surfaces
RT adsorption
RT blisters
RT interfaces
RT rewetting
RT surface area
RT topological foliation
RT two-dimensional calculations

surfacing, hard
Use hard facing

SURFACTANTS
UF *dispersants (chemical)*
UF *surface-active agents*
NT1 wetting agents
NT2 detergents
NT3 pluronics
RT surface tension

SURGERY
UF+ *radiosurgery*
UF+ *sympathectomy*
UF+ *vagotomy*
BT1 medicine
NT1 adrenalectomy
NT1 castration
NT1 gastrectomy
NT1 hepatectomy
NT1 hypophysectomy
NT1 laryngectomy
NT1 nephrectomy
NT1 plastic surgery
NT1 splenectomy
NT1 thymectomy
NT1 thyroidectomy
RT anesthesia
RT surgical materials
RT therapy

SURGES
RT electric controllers
RT electric currents
RT electric potential
RT electrical transients
RT fluid flow
RT hydraulics
RT overcurrent
RT overvoltage
RT pulses
RT transients
RT var control systems
RT voltage regulators

SURGICAL MATERIALS
BT1 materials
BT1 medical supplies
RT isomed
RT prostheses
RT surgery

SURINAM
BT1 developing countries
*BT1 south america

surmac reactors
Use surmac tokamak

SURMAC TOKAMAK
INIS: Nov 1982; ETDE: Feb 1983
UF *surmac reactors*
*BT1 tokamak devices

SURPLUS NUCLEAR FACILITIES
INIS: Jan 1993; ETDE: Jan 1986
(Nuclear facilities, usually radioactively contaminated, that have been declared surplus.)
BT1 nuclear facilities

SURPLUS POWER
INIS: Jun 1993; ETDE: Feb 1984
(Electric power generating capacity in excess of firm load requirements.)
*BT1 electric power
RT electric utilities
RT sellback

SURRY-1 REACTOR
(Gravel Neck, Virginia, USA)
UF *surry power station unit-1*
*BT1 pwr type reactors

SURRY-2 REACTOR
(Gravel Neck, Virginia, USA)
UF *surry power station unit-2*
*BT1 pwr type reactors

SURRY-3 REACTOR
(Gravel Neck, Virginia, USA)
*BT1 pwr type reactors

SURRY-4 REACTOR
(Gravel Neck, Virginia, USA)
*BT1 pwr type reactors

surry power station unit-1
Use surry-1 reactor

surry power station unit-2
Use surry-2 reactor

surveillance
See inspection
OR medical surveillance
OR monitoring
OR security

surveillance (medical)
Use medical surveillance

surveillance (radioactivity)
Use radiation monitoring

survey (radioactivity)
Use radiation monitoring

SURVEY MONITORS
*BT1 radiation monitors

surveys
See geochemical surveys
OR geologic surveys
OR geophysical surveys
OR marine surveys
OR public opinion

SURVIVAL CURVES
UF *survival fraction*
RT biological effects
RT dose-response relationships
RT lethal irradiation
RT mortality
RT radiosensitivity

survival fraction
Use survival curves

SURVIVAL TIME
RT lethal irradiation
RT time dependence

susceptibility (magnetic)
Use magnetic susceptibility

suse cyclotron (munich)
Use munich suse cyclotron

SUSPENSIONS
BT1 dispersions
NT1 slurries
NT2 fuel slurries
RT drilling fluids
RT filters
RT fluidization
RT fluidized beds
RT turbidity

suspensions (fuel)
Use fuel slurries

SUSQUEHANNA-1 REACTOR
(Salem, Pennsylvania, USA)
UF *susquehanna steam electric station unit-1*
*BT1 bwr type reactors

SUSQUEHANNA-2 REACTOR
(Salem, Pennsylvania, USA)
UF *susquehanna steam electric station unit-2*
*BT1 bwr type reactors

SUSQUEHANNA RIVER
*BT1 rivers
RT maryland
RT new york
RT pennsylvania

susquehanna steam electric station unit-1
Use susquehanna-1 reactor

susquehanna steam electric station unit-2
Use susquehanna-2 reactor

SUSTAINABLE DEVELOPMENT
INIS: Sep 2000; ETDE: Nov 1999
(Development that meets the needs of the present while still allowing future generations to meet their own needs without shortages or harm to the environment.)
BT1 resource development
RT economic development
RT energy policy
RT energy source development
RT environmental policy
RT resource depletion
RT resource exploitation
RT resource management

SUYDAM CRITERION
UF *suydam theory*
RT mercier criterion
RT plasma instability

suydam theory
Use suydam criterion

sv 40 virus
Use simian virus

sv40 virus
Use oncogenic viruses

sw-3 groups
Use sw groups

SW GROUPS
(From April 1975 till March 1997 SW-3 GROUPS was a valid ETDE descriptor.)
UF *sw-3 groups*
*BT1 lie groups

SWAGING
*BT1 materials working
RT forging

SWAMPS
INIS: Oct 1976; ETDE: Jul 1976
(Waterlogged lands supporting a natural vegetation predominantly of shrubs and trees.)
UF *bogs*
*BT1 terrestrial ecosystems
*BT1 wetlands
RT everglades national park
RT marshes
RT surface waters

SWAZILAND
BT1 africa
BT1 developing countries

SWEAT
UF *transpiration (animal)*
*BT1 biological wastes
*BT1 body fluids
RT excretion
RT skin

sweat glands
Use glands
AND skin

SWEDEN
BT1 developed countries
*BT1 scandinavia
RT oecd
RT ranstad deposit

SWEDISH ORGANIZATIONS
INIS: Sep 1976; ETDE: Nov 1976
BT1 national organizations

swedish reactor r-1
Use r-1 reactor

swedish reactor r-2
Use r-2 reactor

swedish reactor r2-0
Use r2-0 reactor

SWEEP CIRCUITS
BT1 electronic circuits
RT timing circuits

SWEEP EFFICIENCY
INIS: Apr 2000; ETDE: Jul 1982
(The ratio of the volume of rock contacted by the displacing fluid to the total volume of rock subject to invasion by the displacing fluid.)
RT enhanced recovery

SWEET GUMS
INIS: Jan 1992; ETDE: Mar 1987
(Liquidambar styraciflua.)
*BT1 magnoliopsida
*BT1 trees

SWEETALLOY
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium alloys
*BT1 nickel steels
*BT1 stainless steels

SWELLING
BT1 deformation
RT blisters
RT expansion
RT thermal expansion

SWESSAR STANDARD PLANT
(Stone and Webster reference PWR nuclear power plant)
UF *stone-webster reference pwr*
*BT1 nuclear power plants

swierk agata reactor
Use agata reactor

swierk anna reactor
Use anna reactor

swierk ewa reactor
Use ewa reactor

SWIERK LINAC
*BT1 linear accelerators

swierk maria reactor
Use maria reactor

SWIERK R-2 REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *r-ii swierk reactor*
*BT1 pool type reactors
*BT1 research reactors

swierk research reactor maryla
Use maryla reactor

swimming
Use exercise

swimming pool reactors
Use pool type reactors

swimming pool tank reactor austria
Use astra reactor

SWIMMING POOLS
INIS: Apr 2000; ETDE: Oct 1975
BT1 surface waters

SWINE
UF *pigs*
*BT1 domestic animals
*BT1 mammals
NT1 miniature swine
RT meat

swirl flow
Use vortex flow

swiss institute nuclear research cyclotron
Use sin cyclotron

SWISS LIGHT SOURCE
INIS: Jun 2000; ETDE: Nov 1999
(Paul Scherrer Institute, Villigen, Switzerland.)
UF *sls (swiss synchrotron light source)*
*BT1 synchrotron radiation sources
RT accelerator facilities
RT light sources
RT storage rings
RT x-ray sources

SWISS ORGANIZATIONS
INIS: Sep 1980; ETDE: Oct 1980
BT1 national organizations

SWITCHES
UF *contactors*
UF *electric contactors*
UF *electric switches*
*BT1 electrical equipment
NT1 cryotrons
NT1 plasma switches
NT1 semiconductor switches
RT bimetals
RT circuit breakers
RT connectors
RT electric contacts
RT electric discharges
RT electric fuses
RT equipment protection devices
RT insulating oils
RT interlocks
RT q-switching
RT relays
RT switching circuits

SWITCHING CIRCUITS
BT1 electronic circuits
NT1 transistor switching circuits
RT circuit breakers
RT counting circuits
RT gating circuits
RT relays
RT switches
RT thyratrons
RT thyristors

SWITCHING DIODES
*BT1 semiconductor diodes
RT transistor switching circuits

SWITZERLAND
BT1 developed countries
*BT1 western europe
RT alps
RT oecd
RT rhine river
RT rhone river

swordfish event
Use nuclear explosions
AND underwater explosions

swpa
Use southwestern power administration

SYCAMORES
INIS: Jan 1992; ETDE: Mar 1979
*BT1 magnoliopsida
*BT1 trees

sydsvenska kraft ab reactor 1
Use barsebaeck-1 reactor

sydsvenska kraft ab reactor 2
Use barsebaeck-2 reactor

SYENITES
INIS: Nov 1984; ETDE: Aug 1980
*BT1 plutonic rocks
RT feldspars

SYMBIOSIS
INIS: Dec 1984; ETDE: May 1976
(Limited to biology.)
UF *commensalism*
UF *mutualism*
NT1 mycorrhizas
RT animals
RT biology
RT ecology
RT frankia

RT plants
RT predator-prey interactions
RT rhizobium

SYMBIOTIC STARS

INIS: Mar 1983; ETDE: Mar 1983
(Objects whose spectra have characteristics of disparate spectral classes.)
BT1 stars
RT accretion disks
RT binary stars

symbolic logic

Use mathematical logic

SYMMETRY

NT1 axial symmetry
NT1 boson-fermion symmetry
NT1 chiral symmetry
NT1 crossing symmetry
NT1 supersymmetry
NT1 unitary symmetry
RT asymmetry
RT configuration
RT distribution
RT invariance principles
RT orientation
RT symmetry breaking
RT symmetry groups

SYMMETRY BREAKING

RT compactification
RT higgs bosons
RT instantons
RT symmetry
RT symmetry groups

SYMMETRY GROUPS

NT1 dynamical groups
NT2 o groups
NT1 lie groups
NT2 conformal groups
NT2 de sitter group
NT2 graded lie groups
NT2 o groups
NT2 poincare groups
NT3 lorentz groups
NT2 sl groups
NT2 so groups
NT3 so-10 groups
NT3 so-12 groups
NT3 so-2 groups
NT3 so-3 groups
NT3 so-4 groups
NT3 so-6 groups
NT3 so-8 groups
NT2 sp groups
NT2 su groups
NT3 su-2 groups
NT3 su-3 groups
NT3 su-4 groups
NT3 su-5 groups
NT3 su-6 groups
NT3 su-7 groups
NT3 su-8 groups
NT3 su-9 groups
NT2 sw groups
NT2 u groups
NT3 u-1 groups
NT3 u-12 groups
NT3 u-2 groups
NT3 u-3 groups
NT3 u-4 groups
NT3 u-5 groups
NT3 u-6 groups
NT1 quantum groups
NT1 space groups
RT casimir operators
RT current algebra
RT group theory
RT irreducible representations
RT nonunitary representations
RT symmetry
RT symmetry breaking

sympathectomy

Use autonomic nervous system
AND surgery

sympathetic nervous system

Use autonomic nervous system

SYMPATHOLYTICS

UF *adrenergics-blocking agents*
*BT1 autonomic nervous system agents
NT1 ergotamine
NT1 reserpine
RT autonomic nervous system
RT neuroregulators
RT parasympatholytics
RT parasympathomimetics
RT sympathomimetics

SYMPATHOMIMETICS

UF *adrenergics*
*BT1 autonomic nervous system agents
NT1 adrenaline
NT1 amphetamines
NT2 benzedrine
NT1 dopamine
NT1 ephedrine
NT1 noradrenaline
NT1 serotonin
NT2 bufotenine
NT1 tyramine
RT autonomic nervous system
RT neuroregulators
RT parasympatholytics
RT parasympathomimetics
RT sympatholytics
RT vasoconstriction
RT vasodilation

symplectic groups

Use sp groups

symposia

Use meetings

SYMPTOMS

NT1 anemias
NT2 ischemia
NT2 megaloblastic anemia
NT2 sickle cell anemia
NT2 thalassemia
NT1 ascites
NT1 constipation
NT1 diarrhea
NT1 edema
NT1 erythema
NT1 fever
NT1 heart failure
NT1 hemorrhage
NT1 hypertension
NT1 inflammation
NT1 jaundice
NT1 leukopenia
NT2 lymphopenia
NT1 nausea
NT1 pain
NT1 splenomegaly
NT1 uremia
NT1 vomiting
RT chlorosis
RT diagnosis
RT diseases
RT pathological changes
RT peritonitis

SYNCHROCYCLOTRONS

(Prior to March 1997 CHICAGO SYNCHROCYCLOTRON was a valid ETDE descriptor.)
UF *chicago synchrocyclotron*
UF *fm cyclotrons*
UF *frequency modulated cyclotrons*
UF *phasotrons*
*BT1 cyclic accelerators
NT1 berkeley synchrocyclotron
NT1 cern synchrocyclotron
NT1 dubna synchrocyclotron
NT1 harvard synchrocyclotron
NT1 harwell synchrocyclotron
NT1 iko synchrocyclotron
NT1 leningrad synchrocyclotron
NT1 mcgill synchrocyclotron
NT1 orsay synchrocyclotron
NT1 uppsala synchrocyclotron
RT cyclotrons
RT synchrotrons

SYNCHRONIZATION

INIS: Oct 1977; ETDE: Dec 1976
RT antimetabolites
RT cell cycle
RT coincidence methods
RT resonance
RT synchronous cultures
RT tuning

SYNCHRONOUS CULTURES

BT1 cell cultures
RT antimetabolites
RT cell cycle
RT synchronization

synchrophasotrons

Use synchrotrons

SYNCHROTRON OSCILLATIONS

*BT1 beam dynamics
BT1 oscillations

SYNCHROTRON RADIATION

UF *bremsstrahlung (magnetic)*
UF *magnetic bremsstrahlung*
*BT1 bremsstrahlung
RT cyclotron radiation
RT kek photon factory
RT nsls
RT synchrotron radiation sources
RT wiggler magnets

SYNCHROTRON RADIATION SOURCES

INIS: Jul 1981; ETDE: May 1979
BT1 radiation sources
NT1 advanced light source
NT1 advanced photon source
NT1 european synchrotron radiation facility
NT1 indus-1
NT1 indus-2
NT1 kek photon factory
NT1 lnls storage ring
NT1 nsls
NT1 pohang light source
NT1 spring-8 storage ring
NT1 surf ii storage ring
NT1 swiss light source
RT light sources
RT synchrotron radiation
RT x-ray sources

synchrotron uv radiation facility (nbs)

Use surf ii storage ring

SYNCHROTRONS

(BIRMINGHAM SYNCHROTRON, CALTECH SYNCHROTRON, and OMNITRON have been valid ETDE descriptors.)

UF *birmingham synchrotron*
UF *caltech synchrotron*
UF *cit synchrotron*
UF *omnitron*
UF *synchrophasotrons*
*BT1 cyclic accelerators
NT1 bevatron
NT1 bonn synchrotron
NT1 brookhaven ags
NT1 cambridge electron accelerator
NT1 cern lhc
NT1 cern ps synchrotron
NT1 cern sps synchrotron
NT1 cornell 10-gev synchrotron
NT1 cosmotron
NT1 cosy storage ring
NT1 desy
NT1 erevan synchrotron
NT1 escar storage ring
NT1 fermilab accelerator
NT1 fermilab tevatron
NT1 fian synchrotron
NT1 frascati synchrotron
NT1 himac accelerator
NT1 ipns-i synchrotron
NT1 itep synchrotron
NT1 jinr synchrotron
NT1 kek synchrotron
NT1 lampf ii synchrotron
NT1 lep storage rings
NT1 lusy
NT1 mura synchrotron
NT1 nimrod
NT1 nina
NT1 pakhra synchrotron
NT1 princeton synchrotron
NT1 saturne
NT1 saturne ii
NT1 serpukhov synchrotron
NT1 serpukhov tevatron
NT1 sis synchrotron
NT1 superconducting super collider
NT1 tokyo synchrotron
NT1 tomsk synchrotron
NT1 zgs
RT nsls
RT synchrocyclotrons

syncrude

Use synthetic petroleum

SYNERGISM

RT biochemistry
RT biological effects

SYNGAS PROCESS

INIS: Apr 2000; ETDE: Aug 1981
*BT1 waste processing
RT intermediate btu gas
RT materials recovery
RT pyrolysis

synovia

Use bone joints

synroc

Use synthetic rocks

SYNROC PROCESS

INIS: Nov 1981; ETDE: Mar 1980
RT hollandite
RT perovskite
RT radioactive waste processing
RT zirconolite

syntans

See aromatics
OR sulfonic acids

SYNTHANE PROCESS

INIS: Apr 2000; ETDE: Jan 1975
(U.S. Bureau of mines process for producing intermediate- or high-btu gas by reacting coal with steam and oxygen in a fluidized-bed gasifier at 1800 degrees F and 500-1000 psi pressure.)

*BT1 coal gasification
RT sng processes

SYNTHESIS

UF *formation*
NT1 biosynthesis
NT2 post-translation modification
NT1 chemical preparation
NT1 hydrothermal synthesis
NT1 nucleosynthesis
NT2 heavy ion fusion reactions
NT2 thermonuclear reactions
NT3 impact fusion
NT3 muon-catalyzed fusion
NT1 photosynthesis

SYNTHESIS GAS

INIS: Jul 1992; ETDE: Jan 1975
(A mixture of gases specifically for use in a synthesis process.)

*BT1 gases
RT beacon process
RT htw process
RT methanation

synthetases

Use ligases

synthetic-aperture radar

Use radar

synthetic crude oil

Use synthetic petroleum

SYNTHETIC FUELS

(No natural occurrence; produced by chemical techniques.)

SF *alternate fuels*
SF *m-gas process*
BT1 fuels
NT1 alcohol fuels
NT2 ethanol fuels
NT2 methanol fuels
NT1 hydrogen fuels
NT1 pyrolytic oils
NT1 synthetic petroleum
RT anaerobic digestion
RT autotrophs
RT biomass conversion plants
RT coal gasification
RT coal liquefaction
RT crg processes
RT fuel gas
RT gasohol program
RT mobil m-gasoline process
RT pyrolysis products
RT pyrolytic gases
RT refuse derived fuels
RT synthetic fuels corporation
RT synthetic fuels industry
RT synthetic fuels refineries
RT wood oils

SYNTHETIC FUELS CORPORATION

INIS: Apr 2000; ETDE: Jul 1980
(Federally funded corporation to finance and expedite development of alternative energy sources.)

UF *energy security corporation*
UF *national energy security corporation*
*BT1 us organizations
RT energy policy
RT energy source development
RT renewable energy sources
RT synthetic fuels
RT us energy security act

SYNTHETIC FUELS INDUSTRY

INIS: Jul 1992; ETDE: Oct 1976
BT1 industry
RT synthetic fuels
RT synthetic fuels refineries

SYNTHETIC FUELS REFINERIES

INIS: Jul 1992; ETDE: Mar 1981
BT1 industrial plants
RT synthetic fuels
RT synthetic fuels industry

synthetic lubricants

Use lubricants
AND synthetic materials

SYNTHETIC MATERIALS

INIS: Jan 1985; ETDE: May 1981
UF+ *synthetic lubricants*
BT1 materials
NT1 plastics
NT2 aramids
NT2 bakelite
NT2 formvar
NT2 lucite
NT2 mylar
NT2 nylon
NT2 perspex
NT2 plexiglas
NT2 polystyrene
NT2 polyurethanes
NT3 halthane
NT2 reinforced plastics
NT2 tedlar
NT2 teflon
NT2 thermoplastics
NT1 synthetic rocks
RT fibers
RT petrochemicals
RT rubbers

synthetic natural gas

Use high btu gas

SYNTHETIC PETROLEUM

INIS: Sep 1994; ETDE: Jan 1975
UF *syncrude*
UF *synthetic crude oil*
*BT1 synthetic fuels
RT coal liquids
RT mobil m-gasoline process
RT petroleum
RT shale oil

SYNTHETIC ROCKS

INIS: Feb 1981; ETDE: Mar 1981
UF *synroc*
BT1 rocks
*BT1 synthetic materials

synthine process

Use fischer-tropsch synthesis

SYNTHOIL PROCESS
INIS: Apr 2000; ETDE: May 1975
(U.S. Bureau of mines process for converting coal to fuel oil by feeding coal slurry into a fixed-bed catalytic reactor with turbulently flowing hydrogen. The operating conditions are 2000 to 4000 psig and the coal is liquefied and desulfurized.)
*BT1 coal liquefaction

SYNTHOL PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(A reaction of carbon monoxide and hydrogen with an iron and sodium carbonate catalyst to produce synthetic gasoline.)
*BT1 coal liquefaction

SYPHILIS
*BT1 bacterial diseases
RT spirochaetes
RT urogenital system diseases

syracuse chemical comminution process
See coal preparation
OR desulfurization

SYRIA
BT1 arab countries
BT1 asia
BT1 developing countries
BT1 middle east
RT oapec

syrian hamster
Use hamsters

syrups
Use molasses

SYSTEM FAILURE ANALYSIS
(Techniques for analysing the events leading to, or following from, a potential, or actual, system failure.)
SF *failure propagation*
BT1 systems analysis
NT1 failure mode analysis
NT1 fault tree analysis
RT mathematical logic

systeme accelerateur rhone-alpes
Use sara cyclotron

SYSTEMS ANALYSIS
INIS: Nov 1975; ETDE: Jan 1975
(Used in the fields of technology research and management for problems such as the calculation of failure probabilities and for reliability studies of systems and components.)
NT1 system failure analysis
NT2 failure mode analysis
NT2 fault tree analysis
RT control systems
RT energy analysis
RT failures
RT man-machine systems
RT ncsr
RT parametric analysis
RT reactor protection systems
RT reactor safety
RT reliability
RT safety engineering
RT simulation
RT statistical models
RT statistics

SZILARD-CHALMERS REACTION
*BT1 hot atom chemistry

SZR TYPE REACTORS
UF *sodium cooled zirconium hydride moderated reactors*
*BT1 hydride moderated reactors
*BT1 liquid metal cooled reactors
NT1 knk reactor
NT1 knk-2 reactor
RT hydride moderators
RT power reactors

T

T-10 TOKAMAK
INIS: Oct 1983; ETDE: Nov 1983
*BT1 tokamak devices

T-14 TOKAMAK
INIS: Aug 1993; ETDE: Aug 1993
UF *tsp tokamak*
*BT1 tokamak devices

T-15 TOKAMAK
INIS: Jun 1984; ETDE: Jul 1984
*BT1 tokamak devices

t-2200 resonances
Use rho3-2250 mesons

T-7 TOKAMAK
INIS: Oct 1983; ETDE: Nov 1983
*BT1 tokamak devices

T CHANNEL
RT mandelstam representation
RT particle interactions
RT s channel
RT u channel

T CODES
BT1 computer codes

T INVARIANCE
UF *time-reversal invariance*
BT1 invariance principles
NT1 detailed balance principle

t matrix
Use s matrix

T QUARKS
INIS: Jun 1985; ETDE: Oct 1995
UF *top quarks*
*BT1 quarks
*BT1 top particles
RT toponium

T TAURI STARS
*BT1 eruptive variable stars

t2ehp
Use phosphoric acid esters

t3 hormone
Use triiodothyronine

T3 PROCESS
INIS: Apr 2000; ETDE: Aug 1982
(Semi-continuous surface oil shale retorting process based on N-T-U batch process with added improvements.)
RT oil shales
RT retorting

t4 hormone
Use thyroxine

TABAKIN POTENTIAL
BT1 potentials
RT nuclear potential
RT nucleon-nucleon potential
RT nucleons

TABLE MOUNTAIN AREA
INIS: Apr 2000; ETDE: Dec 1974
*BT1 south dakota

tables
See data

TACHYONS
(Hypothesized particles that travel faster than the velocity of light; they have an imaginary rest mass.)
*BT1 postulated particles

tadpoles
Use amphibians
AND larvae

TAGGED PHOTON METHOD
*BT1 coincidence methods
RT bremsstrahlung
RT photons
RT polarization

TAIL ELECTRONS
INIS: Feb 1994; ETDE: Feb 1994
(Electrons that are not runaway but are in the high-energy tail of the kinetic energy distribution.)
UF *energetic electrons*
UF *supra-thermal electrons*
*BT1 electrons
RT distribution functions
RT non-equilibrium plasma
RT runaway electrons
RT tail ions

TAIL IONS
INIS: Feb 1994; ETDE: Feb 1994
(Ions in the high-energy tail of the kinetic energy distribution.)
UF *energetic ions*
UF *supra-thermal ions*
*BT1 ions
RT distribution functions
RT non-equilibrium plasma
RT tail electrons

TAILINGS
INIS: Feb 1981; ETDE: May 1979
(Solid residue separated in the preparation of various products.)
UF *mine tailings*
*BT1 solid wastes
NT1 mill tailings
NT1 oil sand tailings
RT mineral wastes
RT ore processing
RT remedial action
RT separation processes

TAIWAN
INIS: Jan 1993; ETDE: Jan 1975
UF *formosa*
*BT1 china
BT1 islands

TAIWAN RESEARCH REACTOR
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 isotope production reactors
*BT1 materials testing reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors

TAJIKISTAN
INIS: Feb 1993; ETDE: Apr 1993
(Until January 1993, this was indexed by USSR.)
SF *soviet union*
SF *union of soviet socialist republics*
SF *ussr*
BT1 asia

TAKAHAMA-1 REACTOR
(Takahama, Fukui, Japan)
UF *kansai-3 reactor*
*BT1 pwr type reactors

TAKAHAMA-2 REACTOR
(Takahama, Fukui, Japan)
UF *kansai-4 reactor*
*BT1 pwr type reactors

TAKAHAMA-3 REACTOR
INIS: Jul 1981; ETDE: Aug 1981
*BT1 pwr type reactors

TAKAHAMA-4 REACTOR
INIS: Jul 1981; ETDE: Aug 1981
*BT1 pwr type reactors

TAKAHAX PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process for removal of up to 99.9% of hydrogen sulfide from gas streams particularly those with low initial hydrogen sulfide concentration and/or high carbon dioxide/hydrogen sulfide ratios.)
*BT1 desulfurization

TAKENOYU GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Aug 1977
BT1 geothermal fields
RT japan

TAKINOUE GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Apr 1978
BT1 geothermal fields
RT hachimantai
RT japan

TALC
*BT1 silicate minerals
RT magnesium silicates

TALL OIL
INIS: May 1999; ETDE: Nov 1980
(A yellow-black, malodorous, resinous admixture derived from wood pulping waste liquors. It is used in lubricants and greases.)
*BT1 oils

TALMI INTEGRALS
BT1 integrals
RT shell models

TALSPEAK PROCESS
INIS: Jan 1979; ETDE: Aug 1978
*BT1 reprocessing
RT solvent extraction

tam
Use tamoxifen

TAMM-DANCOFF METHOD
BT1 calculation methods
RT boson expansion
RT quantum mechanics

tammuz-1 reactor
Use tz1 reactor

tammuz-2 reactor
Use tz2 reactor

TAMOXIFEN
INIS: May 1981; ETDE: Jun 1981
UF *tam*
*BT1 organic nitrogen compounds
RT estrogens
RT receptors

tan
Use triacetoneamine-n-oxyl

TANDEM ELECTROSTATIC ACCELERATORS
INIS: Apr 1980; ETDE: Aug 1979
(Prior to February 1979 this information was indexed to VAN DE GRAAFF ACCELERATORS.)
UF+ *learn tandem accelerator*
*BT1 electrostatic accelerators
NT1 antares tandem accelerator
NT1 crnl mp tandem accelerator
NT1 jaeri tandem accelerator
NT1 orsay tandem accelerator
NT1 vivitron tandem accelerator
RT dynamitrons
RT van de graaff accelerators

tandem mirror devices
See tmr reactors
OR tmx devices

tandem mirror experiment at uclll
Use tmx devices

tandem mirror type reactors
Use tmr reactors

TANDEM MIRRORS
INIS: Sep 1983; ETDE: Sep 1983
(Prior to September 1983 this concept in ETDE was indexed to TMX DEVICES.)
*BT1 magnetic mirrors
NT1 gamma 10 devices
NT1 phaedrus mirror devices
NT1 tara devices
NT1 tmx devices
RT tlm configurations
RT tmr reactors

TANK CIRCUITS
BT1 electronic circuits
RT stored energy

tank farms
Use storage facilities

tank type critical assembly
Use tca reactor

TANK TYPE REACTORS
BT1 reactors
NT1 aarr reactor
NT1 alrr reactor
NT1 aquilon reactor
NT1 atr reactor
NT1 atsr reactor
NT1 borax-1 reactor
NT1 borax-2 reactor
NT1 borax-3 reactor
NT1 borax-4 reactor
NT1 borax-5 reactor
NT1 br-02 reactor
NT1 br-1 reactor
NT1 br-2 reactor
NT1 br-3-vn reactor
NT1 cirus reactor
NT1 cp-3 reactor
NT1 cp-3m reactor
NT1 cp-5 reactor
NT1 dca reactor
NT1 dido reactor
NT1 diorit reactor
NT1 dmtr reactor
NT1 dr-3 reactor
NT1 eco reactor
NT1 el-1 reactor
NT1 el-2 reactor
NT1 el-3 reactor
NT1 eocr reactor
NT1 eole reactor
NT1 esada-vesr reactor
NT1 essor reactor
NT1 etr reactor
NT1 etrr-1 reactor
NT1 ewa reactor
NT1 ewg-1 reactor
NT1 fir-1 reactor
NT1 fr-2 reactor
NT1 frj-2 reactor
NT1 getr reactor
NT1 grenoble reactor
NT1 gtrr reactor
NT1 hbwr reactor
NT1 hfbr reactor
NT1 hfir reactor
NT1 hfr reactor
NT1 hifar reactor
NT1 hwctr reactor
NT1 igr reactor
NT1 irr-2 reactor
NT1 ispra-1 reactor
NT1 janus reactor
NT1 jeep-2 reactor
NT1 jmtr reactor
NT1 jrr-2 reactor
NT1 jrr-3 reactor
NT1 juno reactor
NT1 kamini reactor
NT1 litr reactor
NT1 loft reactor
NT1 lptr reactor
NT1 mir reactor
NT1 mitr reactor
NT1 mns reactor
NT1 mrr reactor
NT1 mtr reactor
NT1 murr reactor
NT1 nbsr reactor
NT1 netr reactor
NT1 nora reactor
NT1 nru reactor
NT1 nrx reactor
NT1 ntr reactor
NT1 nuclear furnace reactor
NT1 orphee reactor
NT1 orr reactor
NT1 osiris reactor
NT1 owr reactor
NT1 pbf reactor
NT1 pbr reactor
NT1 pegase reactor
NT1 pelinduna reactor
NT1 pluto reactor
NT1 prcf reactor
NT1 prr reactor
NT1 pse reactor
NT1 purnima-3 reactor
NT1 r-1 reactor
NT1 r-2 reactor
NT1 r-a reactor
NT1 ra-0 reactor
NT1 ra-2 reactor
NT1 ra-3 reactor
NT1 ra-4 reactor
NT1 ra-5 reactor
NT1 rake-2 reactor
NT1 rb-3 reactor
NT1 rospo reactor

NT1 rpt reactor
NT1 safari-1 reactor
NT1 sm-2 reactor
NT1 spert-1 reactor
NT1 spert-2 reactor
NT1 spert-3 reactor
NT1 sr-1 reactor
NT1 sr-oa reactor
NT1 taiwan research reactor
NT1 tca reactor
NT1 thermos reactor
NT1 triga-1-michigan reactor
NT1 tsr-1 reactor
NT1 venus reactor
NT1 wntr reactor
NT1 wr-1 reactor
NT1 wtr reactor
NT1 wwr type reactors
NT2 budapest training reactor
NT2 irt-baghdad reactor
NT2 lvr-15 reactor
NT2 wwr-2 reactor
NT2 wwr-k-almaty reactor
NT2 wwr-m-kiev reactor
NT2 wwr-m-leningrad reactor
NT2 wwr-s-bucharest reactor
NT2 wwr-s-budapest reactor
NT2 wwr-s-cairo reactor
NT2 wwr-s-moscow reactor
NT2 wwr-s-prague reactor
NT2 wwr-s-tashkent reactor
NT2 wwr-sm rossendorf reactor
NT2 wwr-z reactor
NT1 zed-2 reactor
NT1 zeep reactor
NT1 zlfr reactor
NT1 zpr reactor

TANKER SHIPS

INIS: May 1992; ETDE: Mar 1976
UF *crude carriers*
UF *supertankers*
UF *ulcc*
UF *vlcc*
BT1 ships
RT deep water oil terminals
RT lightering
RT maritime transport
RT petroleum

TANKS

(From April 1975 till February 1997 ACCUMULATORS was a valid ETDE descriptor.)
UF *accumulators*
BT1 containers
NT1 floating roof tanks
NT1 hydraulic accumulators
RT hydrogen storage
RT liners
RT sensible heat storage

TANNIC ACID

UF *digallic acid*
UF *gallotannic acid*
UF *tannin*
*BT1 carboxylic acids
*BT1 polyphenols

tannin

Use tannic acid

TANTALATES

(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 oxygen compounds
*BT1 tantalum compounds
RT tantalum oxides

TANTALITE

*BT1 oxide minerals
RT iron oxides
RT manganese oxides
RT tantalum oxides

TANTALUM

*BT1 refractory metals
*BT1 transition elements

TANTALUM 156

INIS: Jul 1989; ETDE: Aug 1989
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 tantalum isotopes

TANTALUM 157

INIS: Sep 1979; ETDE: Oct 1979
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 tantalum isotopes

TANTALUM 158

INIS: Sep 1979; ETDE: Oct 1979
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 tantalum isotopes

TANTALUM 159

INIS: Sep 1979; ETDE: Oct 1979
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 tantalum isotopes

TANTALUM 160

INIS: Sep 1979; ETDE: Oct 1979
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 tantalum isotopes

TANTALUM 161

INIS: Sep 1979; ETDE: Oct 1979
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 tantalum isotopes

TANTALUM 162

INIS: Oct 1985; ETDE: Nov 1985
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 tantalum isotopes

TANTALUM 163

INIS: Dec 1980; ETDE: Aug 1980
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 tantalum isotopes

TANTALUM 164

INIS: Aug 1982; ETDE: Sep 1982
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 tantalum isotopes

TANTALUM 165

INIS: Aug 1982; ETDE: Sep 1982
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 tantalum isotopes

TANTALUM 166

INIS: Aug 1975; ETDE: Jun 1975
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 tantalum isotopes

TANTALUM 167

INIS: Jul 1976; ETDE: Apr 1976
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 tantalum isotopes

TANTALUM 168

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 tantalum isotopes

TANTALUM 169

INIS: Oct 1975; ETDE: Aug 1975
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 tantalum isotopes

TANTALUM 170

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 tantalum isotopes

TANTALUM 171

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 tantalum isotopes

TANTALUM 172

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 tantalum isotopes

TANTALUM 173

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 tantalum isotopes

TANTALUM 174

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes

*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 tantalum isotopes

TANTALUM 175
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 tantalum isotopes

TANTALUM 176
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 tantalum isotopes

TANTALUM 177
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 tantalum isotopes

TANTALUM 178
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 tantalum isotopes

TANTALUM 179
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 tantalum isotopes
*BT1 years living radioisotopes

TANTALUM 179 TARGET
INIS: Apr 1986; ETDE: Dec 1985
BT1 targets

TANTALUM 180
*BT1 beta-minus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 tantalum isotopes

TANTALUM 180 TARGET
INIS: Feb 1976; ETDE: Jul 1976
BT1 targets

TANTALUM 181
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes
*BT1 tantalum isotopes

TANTALUM 181 TARGET
BT1 targets

TANTALUM 182
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 tantalum isotopes

TANTALUM 182 TARGET
INIS: Aug 1976; ETDE: Nov 1976
BT1 targets

TANTALUM 183
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 tantalum isotopes

TANTALUM 184
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei
*BT1 tantalum isotopes

TANTALUM 185
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 tantalum isotopes

TANTALUM 186
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 tantalum isotopes

TANTALUM ADDITIONS
(Alloys containing not more than 1% Ta are listed here.)
*BT1 tantalum alloys
NT1 alloy-n-10m

TANTALUM ALLOY-T111
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-ta90w8hf

TANTALUM ALLOY-T222
INIS: Apr 2000; ETDE: Dec 1974
*BT1 tantalum base alloys

TANTALUM ALLOYS
(Alloys containing more than 1% Ta.)
*BT1 transition element alloys
NT1 alloy-b-1900
NT1 alloy-c-103
NT1 alloy-mar-m246
NT1 alloy-ni46cr23co19ti5al4
NT2 alloy-in-939
NT1 alloy-ni61cr16co9al3ti3w3
NT2 alloy-in-738
NT1 alloy-s-816
NT1 alloy-v-36
NT1 carboloy
NT1 tantalum additions
NT2 alloy-n-10m
NT1 tantalum base alloys
NT2 alloy-ta90w8hf
NT3 tantalum alloy-t111
NT2 astar 811c
NT2 tantalum alloy-t222

TANTALUM BASE ALLOYS
SF *alloy-ta-10v*
*BT1 tantalum alloys
NT1 alloy-ta90w8hf
NT2 tantalum alloy-t111
NT1 astar 811c
NT1 tantalum alloy-t222

TANTALUM BORIDES
*BT1 borides
*BT1 tantalum compounds

TANTALUM BROMIDES
*BT1 bromides
*BT1 tantalum compounds

TANTALUM CARBIDES
*BT1 carbides
*BT1 tantalum compounds

TANTALUM CHLORIDES
*BT1 chlorides
*BT1 tantalum compounds

TANTALUM COMPLEXES
*BT1 transition element complexes

TANTALUM COMPOUNDS
BT1 refractory metal compounds
BT1 transition element compounds
NT1 tantalates
NT1 tantalum borides
NT1 tantalum bromides
NT1 tantalum carbides
NT1 tantalum chlorides
NT1 tantalum fluorides
NT1 tantalum hydrides
NT1 tantalum hydroxides
NT1 tantalum iodides
NT1 tantalum nitrides
NT1 tantalum oxides
NT1 tantalum phosphates
NT1 tantalum phosphides
NT1 tantalum selenides
NT1 tantalum silicates
NT1 tantalum silicides
NT1 tantalum sulfates
NT1 tantalum sulfides
NT1 tantalum tellurides
NT1 tantalum tungstates

TANTALUM FLUORIDES
*BT1 fluorides
*BT1 tantalum compounds

TANTALUM HYDRIDES
*BT1 hydrides
*BT1 tantalum compounds

TANTALUM HYDROXIDES
*BT1 hydroxides
*BT1 tantalum compounds

TANTALUM IODIDES
*BT1 iodides
*BT1 tantalum compounds

TANTALUM IONS
*BT1 ions

TANTALUM ISOTOPES
BT1 isotopes
NT1 tantalum 156
NT1 tantalum 157
NT1 tantalum 158
NT1 tantalum 159
NT1 tantalum 160
NT1 tantalum 161
NT1 tantalum 162
NT1 tantalum 163
NT1 tantalum 164
NT1 tantalum 165
NT1 tantalum 166
NT1 tantalum 167
NT1 tantalum 168
NT1 tantalum 169
NT1 tantalum 170
NT1 tantalum 171
NT1 tantalum 172
NT1 tantalum 173
NT1 tantalum 174
NT1 tantalum 175
NT1 tantalum 176
NT1 tantalum 177
NT1 tantalum 178

NT1 tantalum 179
NT1 tantalum 180
NT1 tantalum 181
NT1 tantalum 182
NT1 tantalum 183
NT1 tantalum 184
NT1 tantalum 185
NT1 tantalum 186

TANTALUM NITRIDES
*BT1 nitrides
*BT1 tantalum compounds

TANTALUM ORES
BT1 ores

TANTALUM OXIDES
*BT1 oxides
*BT1 tantalum compounds
RT oxide minerals
RT tantalates
RT tantalite
RT tapiolite

TANTALUM PHOSPHATES
INIS: Jan 1984; ETDE: Jun 1975
*BT1 phosphates
*BT1 tantalum compounds

TANTALUM PHOSPHIDES
INIS: Apr 2000; ETDE: Sep 1976
*BT1 phosphides
*BT1 tantalum compounds

TANTALUM SELENIDES
INIS: Feb 1976; ETDE: Jan 1975
*BT1 selenides
*BT1 tantalum compounds

TANTALUM SILICATES
INIS: Apr 2000; ETDE: Mar 1979
*BT1 silicates
*BT1 tantalum compounds

TANTALUM SILICIDES
INIS: Jan 1979; ETDE: Jan 1975
*BT1 silicides
*BT1 tantalum compounds

TANTALUM SULFATES
INIS: Feb 1982; ETDE: Jun 1975
*BT1 sulfates
*BT1 tantalum compounds

TANTALUM SULFIDES
*BT1 sulfides
*BT1 tantalum compounds

TANTALUM TELLURIDES
INIS: Jul 1980; ETDE: Nov 1975
*BT1 tantalum compounds
*BT1 tellurides

TANTALUM TUNGSTATES
INIS: Sep 1979; ETDE: Apr 1976
*BT1 tantalum compounds
*BT1 tungstates

tanzania (united republic of)
Use united republic of tanzania

tapeworms
Use cestodes

TAPIOLITE
INIS: Apr 2000; ETDE: Dec 1974
*BT1 oxide minerals
RT iron oxides
RT niobium oxides
RT tantalum oxides

TAPIRO REACTOR
(CNEN, Casaccia Center, Rome, Italy)
*BT1 fast reactors
*BT1 research reactors
*BT1 test reactors

TAR
*BT1 other organic compounds
NT1 bitumens
NT2 asphalts
NT2 coal tar
NT2 thucholite
NT1 shale tar
RT pitches

tar sand oil
Use bitumens

tar sand tailings
Use oil sand tailings

TAR SAND TRIANGLE DEPOSIT
INIS: Apr 2000; ETDE: May 1977
*BT1 oil sand deposits
RT oil sands
RT utah

tar sands
Use oil sands

TARA DEVICES
INIS: Jul 1984; ETDE: Feb 1984
(Tandem mirror experiment at MIT.)
*BT1 tandem mirrors

TARAPUR-1 REACTOR
(Boisar, Maharastra, India)
*BT1 bwr type reactors

TARAPUR-2 REACTOR
(Boisar, Maharastra, India)
*BT1 bwr type reactors

TARGET CHAMBERS
BT1 accelerator facilities
RT accelerators
RT targets

target holders
Use sample holders

TARGETS
UF+ *ruthenium 106 target*
NT1 actinium 227 target
NT1 aluminium 25 target
NT1 aluminium 26 target
NT1 aluminium 27 target
NT1 aluminium 28 target
NT1 americium 241 target
NT1 americium 242 target
NT1 americium 243 target
NT1 antimony 118 target
NT1 antimony 120 target
NT1 antimony 121 target
NT1 antimony 123 target
NT1 antimony 127 target
NT1 argon 36 target
NT1 argon 37 target
NT1 argon 38 target
NT1 argon 40 target
NT1 arsenic 75 target
NT1 astatine 212 target
NT1 barium 127 target
NT1 barium 130 target
NT1 barium 134 target
NT1 barium 135 target
NT1 barium 136 target
NT1 barium 137 target
NT1 barium 138 target
NT1 barium 139 target
NT1 berkelium 249 target
NT1 beryllium 10 target
NT1 beryllium 11 target
NT1 beryllium 6 target
NT1 beryllium 7 target
NT1 beryllium 8 target
NT1 beryllium 9 target
NT1 bismuth 207 target
NT1 bismuth 208 target
NT1 bismuth 209 target
NT1 bismuth 210 target
NT1 boron 10 target
NT1 boron 11 target
NT1 boron 12 target
NT1 boron 13 target
NT1 boron 8 target
NT1 bromine 71 target
NT1 bromine 76 target
NT1 bromine 79 target
NT1 bromine 81 target
NT1 cadmium 106 target
NT1 cadmium 108 target
NT1 cadmium 109 target
NT1 cadmium 110 target
NT1 cadmium 111 target
NT1 cadmium 112 target
NT1 cadmium 113 target
NT1 cadmium 114 target
NT1 cadmium 116 target
NT1 calcium 39 target
NT1 calcium 40 target
NT1 calcium 41 target
NT1 calcium 42 target
NT1 calcium 43 target
NT1 calcium 44 target
NT1 calcium 46 target
NT1 calcium 48 target
NT1 calcium 49 target
NT1 californium 244 target
NT1 californium 246 target
NT1 californium 249 target
NT1 californium 250 target
NT1 californium 251 target
NT1 californium 252 target
NT1 californium 254 target
NT1 carbon 11 target
NT1 carbon 12 target
NT1 carbon 13 target
NT1 carbon 14 target
NT1 carbon 16 target
NT1 cerium 136 target
NT1 cerium 138 target
NT1 cerium 140 target
NT1 cerium 141 target
NT1 cerium 142 target
NT1 cerium 144 target
NT1 cesium 131 target
NT1 cesium 132 target
NT1 cesium 133 target
NT1 cesium 134 target
NT1 cesium 135 target
NT1 cesium 137 target
NT1 chlorine 35 target
NT1 chlorine 36 target
NT1 chlorine 37 target
NT1 chromium 50 target
NT1 chromium 52 target
NT1 chromium 53 target
NT1 chromium 54 target
NT1 chromium 56 target
NT1 cobalt 56 target
NT1 cobalt 57 target
NT1 cobalt 58 target
NT1 cobalt 59 target
NT1 cobalt 60 target
NT1 copper 61 target
NT1 copper 63 target
NT1 copper 64 target
NT1 copper 65 target
NT1 curium 242 target

NT1 curium 243 target
NT1 curium 244 target
NT1 curium 245 target
NT1 curium 246 target
NT1 curium 247 target
NT1 curium 248 target
NT1 curium 249 target
NT1 curium 250 target
NT1 deuterium target
NT1 dysprosium 154 target
NT1 dysprosium 156 target
NT1 dysprosium 158 target
NT1 dysprosium 160 target
NT1 dysprosium 161 target
NT1 dysprosium 162 target
NT1 dysprosium 163 target
NT1 dysprosium 164 target
NT1 dysprosium 165 target
NT1 einsteinium 253 target
NT1 einsteinium 254 target
NT1 einsteinium 255 target
NT1 electron beam targets
NT1 erbium 162 target
NT1 erbium 163 target
NT1 erbium 164 target
NT1 erbium 165 target
NT1 erbium 166 target
NT1 erbium 167 target
NT1 erbium 168 target
NT1 erbium 170 target
NT1 europium 151 target
NT1 europium 152 target
NT1 europium 153 target
NT1 europium 154 target
NT1 europium 155 target
NT1 fermium 253 target
NT1 fermium 254 target
NT1 fermium 255 target
NT1 fermium 256 target
NT1 fermium 257 target
NT1 fermium 258 target
NT1 fermium 259 target
NT1 fermium 260 target
NT1 fluorine 16 target
NT1 fluorine 17 target
NT1 fluorine 18 target
NT1 fluorine 19 target
NT1 gadolinium 142 target
NT1 gadolinium 148 target
NT1 gadolinium 152 target
NT1 gadolinium 154 target
NT1 gadolinium 155 target
NT1 gadolinium 156 target
NT1 gadolinium 157 target
NT1 gadolinium 158 target
NT1 gadolinium 159 target
NT1 gadolinium 160 target
NT1 gallium 65 target
NT1 gallium 67 target
NT1 gallium 69 target
NT1 gallium 71 target
NT1 germanium 70 target
NT1 germanium 71 target
NT1 germanium 72 target
NT1 germanium 73 target
NT1 germanium 74 target
NT1 germanium 75 target
NT1 germanium 76 target
NT1 germanium 86 target
NT1 gold 187 target
NT1 gold 193 target
NT1 gold 194 target
NT1 gold 195 target
NT1 gold 196 target
NT1 gold 197 target
NT1 gold 198 target
NT1 gold 199 target
NT1 hafnium 174 target
NT1 hafnium 176 target
NT1 hafnium 177 target
NT1 hafnium 178 target
NT1 hafnium 179 target
NT1 hafnium 180 target
NT1 helium 3 target
NT1 helium 4 target
NT1 helium 6 target
NT1 holmium 165 target
NT1 hydrogen 1 target
NT1 indium 110 target
NT1 indium 113 target
NT1 indium 115 target
NT1 indium 127 target
NT1 iodine 127 target
NT1 iodine 128 target
NT1 iodine 129 target
NT1 ion beam targets
NT1 iridium 189 target
NT1 iridium 190 target
NT1 iridium 191 target
NT1 iridium 193 target
NT1 iridium 194 target
NT1 iron 54 target
NT1 iron 55 target
NT1 iron 56 target
NT1 iron 57 target
NT1 iron 58 target
NT1 krypton 76 target
NT1 krypton 77 target
NT1 krypton 78 target
NT1 krypton 80 target
NT1 krypton 82 target
NT1 krypton 83 target
NT1 krypton 84 target
NT1 krypton 85 target
NT1 krypton 86 target
NT1 lanthanum 139 target
NT1 laser targets
NT1 lead 200 target
NT1 lead 202 target
NT1 lead 204 target
NT1 lead 205 target
NT1 lead 206 target
NT1 lead 207 target
NT1 lead 208 target
NT1 lead 209 target
NT1 lead 210 target
NT1 lithium 11 target
NT1 lithium 6 target
NT1 lithium 7 target
NT1 lithium 8 target
NT1 lithium 9 target
NT1 lutetium 174 target
NT1 lutetium 175 target
NT1 lutetium 176 target
NT1 magnesium 23 target
NT1 magnesium 24 target
NT1 magnesium 25 target
NT1 magnesium 26 target
NT1 magnesium 27 target
NT1 manganese 51 target
NT1 manganese 52 target
NT1 manganese 53 target
NT1 manganese 54 target
NT1 manganese 55 target
NT1 mercury 193 target
NT1 mercury 196 target
NT1 mercury 198 target
NT1 mercury 199 target
NT1 mercury 200 target
NT1 mercury 201 target
NT1 mercury 202 target
NT1 mercury 204 target
NT1 mercury 206 target
NT1 molybdenum 100 target
NT1 molybdenum 92 target
NT1 molybdenum 94 target
NT1 molybdenum 95 target
NT1 molybdenum 96 target
NT1 molybdenum 97 target
NT1 molybdenum 98 target
NT1 neodymium 142 target
NT1 neodymium 143 target
NT1 neodymium 144 target
NT1 neodymium 145 target
NT1 neodymium 146 target
NT1 neodymium 147 target
NT1 neodymium 148 target
NT1 neodymium 149 target
NT1 neodymium 150 target
NT1 neon 20 target
NT1 neon 21 target
NT1 neon 22 target
NT1 neptunium 232 target
NT1 neptunium 236 target
NT1 neptunium 237 target
NT1 neptunium 238 target
NT1 neptunium 239 target
NT1 nickel 56 target
NT1 nickel 57 target
NT1 nickel 58 target
NT1 nickel 59 target
NT1 nickel 60 target
NT1 nickel 61 target
NT1 nickel 62 target
NT1 nickel 63 target
NT1 nickel 64 target
NT1 niobium 91 target
NT1 niobium 92 target
NT1 niobium 93 target
NT1 niobium 94 target
NT1 niobium 95 target
NT1 niobium 96 target
NT1 nitrogen 12 target
NT1 nitrogen 13 target
NT1 nitrogen 14 target
NT1 nitrogen 15 target
NT1 nitrogen 16 target
NT1 osmium 184 target
NT1 osmium 186 target
NT1 osmium 187 target
NT1 osmium 188 target
NT1 osmium 189 target
NT1 osmium 190 target
NT1 osmium 191 target
NT1 osmium 192 target
NT1 osmium 193 target
NT1 oxygen 14 target
NT1 oxygen 15 target
NT1 oxygen 16 target
NT1 oxygen 17 target
NT1 oxygen 18 target
NT1 palladium 102 target
NT1 palladium 104 target
NT1 palladium 105 target
NT1 palladium 106 target
NT1 palladium 107 target
NT1 palladium 108 target
NT1 palladium 110 target
NT1 palladium 118 target
NT1 phosphorus 30 target
NT1 phosphorus 31 target
NT1 phosphorus 32 target
NT1 platinum 190 target
NT1 platinum 192 target
NT1 platinum 194 target
NT1 platinum 195 target
NT1 platinum 196 target
NT1 platinum 198 target
NT1 plutonium 235 target
NT1 plutonium 236 target
NT1 plutonium 237 target
NT1 plutonium 238 target
NT1 plutonium 239 target
NT1 plutonium 240 target
NT1 plutonium 241 target
NT1 plutonium 242 target
NT1 plutonium 243 target

NT1 plutonium 244 target
NT1 polarized targets
NT1 polonium 208 target
NT1 polonium 210 target
NT1 potassium 39 target
NT1 potassium 40 target
NT1 potassium 41 target
NT1 praseodymium 141 target
NT1 promethium 145 target
NT1 promethium 147 target
NT1 promethium 149 target
NT1 protactinium 231 target
NT1 protactinium 232 target
NT1 protactinium 233 target
NT1 radium 226 target
NT1 rhenium 184 target
NT1 rhenium 185 target
NT1 rhenium 186 target
NT1 rhenium 187 target
NT1 rhodium 103 target
NT1 rhodium 96 target
NT1 rubidium 84 target
NT1 rubidium 85 target
NT1 rubidium 87 target
NT1 rubidium 88 target
NT1 ruthenium 100 target
NT1 ruthenium 101 target
NT1 ruthenium 102 target
NT1 ruthenium 103 target
NT1 ruthenium 104 target
NT1 ruthenium 96 target
NT1 ruthenium 98 target
NT1 ruthenium 99 target
NT1 samarium 144 target
NT1 samarium 145 target
NT1 samarium 146 target
NT1 samarium 147 target
NT1 samarium 148 target
NT1 samarium 149 target
NT1 samarium 150 target
NT1 samarium 151 target
NT1 samarium 152 target
NT1 samarium 154 target
NT1 scandium 45 target
NT1 scandium 47 target
NT1 selenium 72 target
NT1 selenium 74 target
NT1 selenium 75 target
NT1 selenium 76 target
NT1 selenium 77 target
NT1 selenium 78 target
NT1 selenium 80 target
NT1 selenium 82 target
NT1 silicon 28 target
NT1 silicon 29 target
NT1 silicon 30 target
NT1 silicon 32 target
NT1 silicon 34 target
NT1 silver 106 target
NT1 silver 107 target
NT1 silver 108 target
NT1 silver 109 target
NT1 silver 110 target
NT1 sodium 21 target
NT1 sodium 22 target
NT1 sodium 23 target
NT1 strontium 84 target
NT1 strontium 86 target
NT1 strontium 87 target
NT1 strontium 88 target
NT1 strontium 90 target
NT1 sulfur 32 target
NT1 sulfur 33 target
NT1 sulfur 34 target
NT1 sulfur 36 target
NT1 tantalum 179 target
NT1 tantalum 180 target
NT1 tantalum 181 target
NT1 tantalum 182 target
NT1 technetium 99 target
NT1 tellurium 119 target
NT1 tellurium 120 target
NT1 tellurium 122 target
NT1 tellurium 123 target
NT1 tellurium 124 target
NT1 tellurium 125 target
NT1 tellurium 126 target
NT1 tellurium 128 target
NT1 tellurium 130 target
NT1 terbium 159 target
NT1 terbium 160 target
NT1 thallium 203 target
NT1 thallium 205 target
NT1 thallium 207 target
NT1 thallium 209 target
NT1 thorium 228 target
NT1 thorium 229 target
NT1 thorium 230 target
NT1 thorium 231 target
NT1 thorium 232 target
NT1 thorium 233 target
NT1 thorium 234 target
NT1 thorium 238 target
NT1 thorium 239 target
NT1 thulium 169 target
NT1 thulium 171 target
NT1 tin 110 target
NT1 tin 112 target
NT1 tin 114 target
NT1 tin 115 target
NT1 tin 116 target
NT1 tin 117 target
NT1 tin 118 target
NT1 tin 119 target
NT1 tin 120 target
NT1 tin 122 target
NT1 tin 124 target
NT1 tin 125 target
NT1 tin 126 target
NT1 titanium 44 target
NT1 titanium 45 target
NT1 titanium 46 target
NT1 titanium 47 target
NT1 titanium 48 target
NT1 titanium 49 target
NT1 titanium 50 target
NT1 tritium target
NT1 tungsten 180 target
NT1 tungsten 182 target
NT1 tungsten 183 target
NT1 tungsten 184 target
NT1 tungsten 185 target
NT1 tungsten 186 target
NT1 uranium 232 target
NT1 uranium 233 target
NT1 uranium 234 target
NT1 uranium 235 target
NT1 uranium 236 target
NT1 uranium 237 target
NT1 uranium 238 target
NT1 uranium 239 target
NT1 uranium 240 target
NT1 uranium 243 target
NT1 vanadium 48 target
NT1 vanadium 49 target
NT1 vanadium 50 target
NT1 vanadium 51 target
NT1 xenon 123 target
NT1 xenon 124 target
NT1 xenon 125 target
NT1 xenon 126 target
NT1 xenon 127 target
NT1 xenon 128 target
NT1 xenon 129 target
NT1 xenon 130 target
NT1 xenon 131 target
NT1 xenon 132 target
NT1 xenon 134 target
NT1 xenon 136 target
NT1 ytterbium 168 target
NT1 ytterbium 169 target
NT1 ytterbium 170 target
NT1 ytterbium 171 target
NT1 ytterbium 172 target
NT1 ytterbium 173 target
NT1 ytterbium 174 target
NT1 ytterbium 176 target
NT1 yttrium 87 target
NT1 yttrium 88 target
NT1 yttrium 89 target
NT1 zinc 64 target
NT1 zinc 65 target
NT1 zinc 66 target
NT1 zinc 67 target
NT1 zinc 68 target
NT1 zinc 70 target
NT1 zirconium 90 target
NT1 zirconium 91 target
NT1 zirconium 92 target
NT1 zirconium 93 target
NT1 zirconium 94 target
NT1 zirconium 96 target
RT nuclear reactions
RT polarization-asymmetry ratio
RT positioning
RT scattering
RT target chambers

TARIFFS

INIS: Feb 1992; ETDE: Jun 1978
(Duties imposed by a government on imported or exported goods.)
UF *import taxes*
RT exports
RT imports
RT taxes
RT trade

TARTARIC ACID

UF *dihydroxysuccinic acid*
*BT1 hydroxy acids
RT rochelle salt

tartaric acid esters

Use carboxylic acid esters

TARTRATES

BT1 carboxylic acid salts
NT1 rochelle salt

tashkent wwr-s reactor

Use wwr-s-tashkent reactor

TASK SCHEDULING

INIS: Apr 1992; ETDE: Jan 1985
(The routing of data within a computer.)
*BT1 data processing
RT array processors
RT executive codes
RT parallel processing

TASMAN SEA

INIS: Apr 2000; ETDE: Apr 1977
*BT1 pacific ocean
RT australia
RT new zealand
RT tasmania

TASMANIA

*BT1 australia
BT1 islands
RT indian ocean
RT pacific ocean
RT tasman sea

TASTE BUDS

*BT1 sense organs
RT flavor

TASTE PARTICLES
INIS: Aug 1978; ETDE: Oct 1978
*BT1 postulated particles
RT color model
RT hadrons
RT hypercharge
RT quarks
RT su-3 groups

TATARIAN REACTOR
INIS: Jan 1990; ETDE: Feb 1990
(Tatar, Russian Federation)
*BT1 wwer type reactors

TATB
INIS: Apr 2000; ETDE: Aug 1975
UF *1,3,5-triamino-2,4,6-trinitrobenzene*
*BT1 chemical explosives

tau leptons
Use tau particles

TAU NEUTRINOS
INIS: Aug 1978; ETDE: Feb 1978
*BT1 heavy leptons
*BT1 neutrinos

TAU PARTICLES
INIS: Jul 1978; ETDE: Feb 1978
UF *tau leptons*
UF *tauons*
*BT1 heavy leptons
RT electron-muon-tau universality

tauons
Use tau particles

TAURINE
UF *aminoethanesulfonic acid*
*BT1 amines
*BT1 sulfonic acids

tautomerism
Use isomerization

TAX CREDITS
INIS: Dec 1982; ETDE: Oct 1980
(Forms of tax cancellation or exemption. Taxes are levied but remitted in whole or in part, usually on the basis of other taxes paid. Prior to November 1980, this concept in ETDE was indexed by FINANCIAL INCENTIVES.)
UF *tax offsets*
BT1 financial incentives
RT charges
RT economics
RT taxes

TAX LAWS
INIS: Dec 1976; ETDE: Mar 1978
(Prior to December 1990, this descriptor was spelled TAX LAW.)
BT1 laws

tax offsets
Use tax credits

TAXES
INIS: Jun 1976; ETDE: Jan 1975
(From November 1979 till March 1997 SURCHARGES was a valid ETDE descriptor.)
SF *surcharges*
NT1 emissions tax
NT1 severance tax
NT1 windfall profits tax
RT charges
RT economic policy
RT economics
RT financial incentives
RT off-highway use
RT on-highway use
RT tariffs
RT tax credits
RT trade
RT us depletion allowances
RT us economic recovery tax act

TAXICABS
INIS: Feb 1992; ETDE: Nov 1979
BT1 vehicles
RT automobiles
RT occupants
RT transportation sector
RT transportation systems
RT vans

TAXONOMY
INIS: May 1976; ETDE: Jan 1975
(The study of the general principles of classification.)
RT biology

TBP
UF *tributyl phosphate*
*BT1 butyl phosphates

TBPO
UF *tributylphosphine oxide*
*BT1 organic phosphorus compounds
*BT1 phosphine oxides

TBR TOKAMAK
INIS: Mar 1983; ETDE: Mar 1983
*BT1 tokamak devices

TCA REACTOR
(Tokai Research Establishment of JAERI, Ibaraki Prefecture, Japan)
UF *tank type critical assembly*
*BT1 enriched uranium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 water cooled reactors
*BT1 water moderated reactors
*BT1 zero power reactors

TCA TOKAMAK
INIS: Apr 1984; ETDE: May 1984
(Experimental tokamak at Centre de Recherches en Physique des Plasmas, Lausanne.)
UF *lausanne tokamak*
UF *tokamak chaufage alfven*
*BT1 tokamak devices

TCP
UF *tricresyl phosphates*
*BT1 phosphoric acid esters

tct
Use two-component torus

TCV TOKAMAK
INIS: Oct 1993; ETDE: Nov 1993
(Lausanne, Switzerland.)
*BT1 tokamak devices

TD-NICKEL
(Ni-ThO2 dispersion.)
UF *nickel-thorium oxide dispersions*
*BT1 cermets
BT1 dispersions
RT nickel
RT thorium oxides

TD-NICKEL CHROMIUM
(Ni-Cr-ThO2 dispersion.)
UF *nickel chromium-td*
*BT1 cermets
*BT1 chromium alloys
BT1 dispersions
*BT1 nickel base alloys
RT thorium oxides

TD-NMR
INIS: Sep 1998; ETDE: Sep 1998
(Time Domain Nuclear Magnetic Resonance)
*BT1 nuclear magnetic resonance

TDA
UF *decylamine-tris*
*BT1 amines
BT1 chelating agents

tea
Use beverages

TEA LEAVES
BT1 leaves
RT beverages
RT tea plants

TEA PLANTS
INIS: Jul 1980; ETDE: Aug 1980
UF *camellia sinensis*
*BT1 magnoliopsida
RT beverages
RT tea leaves

teab
Use bromides
AND quaternary compounds

teaching
Use education

teaching facilities
Use educational facilities

teak event
Use atmospheric explosions
AND nuclear explosions

teal oil
Use sesame oil

TEAPOT PROJECT
RT nuclear weapons

tear canals
Use lacrimal ducts

TEARING INSTABILITY
INIS: Nov 1978; ETDE: Sep 1978
*BT1 plasma macroinstabilities
RT plasma disruption

TECHA RIVER
INIS: Jun 1996; ETDE: Jun 1996
*BT1 rivers
RT russian federation

TECHNETATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 oxygen compounds
*BT1 technetium compounds
RT technetium oxides

TECHNETIUM
UF *masurium*
*BT1 refractory metals
*BT1 transition elements

TECHNETIUM 100
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 technetium isotopes

TECHNETIUM 101
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 technetium isotopes

TECHNETIUM 102
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 technetium isotopes

TECHNETIUM 103
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 technetium isotopes

TECHNETIUM 104
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 technetium isotopes

TECHNETIUM 105
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 technetium isotopes

TECHNETIUM 106
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 technetium isotopes

TECHNETIUM 107
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 technetium isotopes

TECHNETIUM 108
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 technetium isotopes

TECHNETIUM 109
INIS: Jul 1976; ETDE: Jan 1975
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 technetium isotopes

TECHNETIUM 110
INIS: Jul 1976; ETDE: Jan 1975
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 technetium isotopes

TECHNETIUM 111
INIS: Nov 1988; ETDE: Dec 1988
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 technetium isotopes

TECHNETIUM 112
INIS: Dec 1990; ETDE: Jan 1991
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 technetium isotopes

TECHNETIUM 113
INIS: Oct 1998; ETDE: Oct 1998
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 technetium isotopes

TECHNETIUM 88
INIS: May 1996; ETDE: May 1996
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 technetium isotopes

TECHNETIUM 89
INIS: Sep 1992; ETDE: Mar 1981
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 technetium isotopes

TECHNETIUM 90
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 technetium isotopes

TECHNETIUM 91
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 technetium isotopes

TECHNETIUM 92
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 technetium isotopes

TECHNETIUM 93
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 technetium isotopes

TECHNETIUM 94
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 technetium isotopes

TECHNETIUM 95
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 technetium isotopes

TECHNETIUM 96
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 technetium isotopes

TECHNETIUM 97
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 technetium isotopes
*BT1 years living radioisotopes

TECHNETIUM 98
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 technetium isotopes
*BT1 years living radioisotopes

TECHNETIUM 99
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 technetium isotopes
*BT1 years living radioisotopes

TECHNETIUM 99 TARGET
INIS: Oct 1975; ETDE: Jul 1976
BT1 targets

TECHNETIUM ADDITIONS
(Alloys containing not more than 1% Tc are listed here.)
*BT1 technetium alloys

TECHNETIUM ALLOYS
(Alloys containing more than 1% Tc.)
*BT1 transition element alloys
NT1 technetium additions
NT1 technetium base alloys

TECHNETIUM BASE ALLOYS
*BT1 technetium alloys

TECHNETIUM BROMIDES
INIS: Aug 1984; ETDE: Jan 1975
*BT1 bromides
*BT1 technetium compounds

TECHNETIUM CARBIDES
*BT1 carbides
*BT1 technetium compounds

TECHNETIUM CHLORIDES
*BT1 chlorides
*BT1 technetium compounds

TECHNETIUM COMPLEXES
*BT1 transition element complexes

TECHNETIUM COMPOUNDS
UF+ *technetium tellurides*
BT1 refractory metal compounds
BT1 transition element compounds
NT1 pertechnetates
NT1 technetates

NT1 technetium bromides
NT1 technetium carbides
NT1 technetium chlorides
NT1 technetium fluorides
NT1 technetium hydrides
NT1 technetium iodides
NT1 technetium oxides
NT1 technetium phosphates
NT1 technetium selenides
NT1 technetium sulfides

TECHNETIUM FLUORIDES
*BT1 fluorides
*BT1 technetium compounds

TECHNETIUM HYDRIDES
INIS: Mar 1983; ETDE: Sep 1982
*BT1 hydrides
*BT1 technetium compounds

TECHNETIUM IODIDES
*BT1 iodides
*BT1 technetium compounds

TECHNETIUM IONS
*BT1 ions

TECHNETIUM ISOTOPES
BT1 isotopes
NT1 technetium 100
NT1 technetium 101
NT1 technetium 102
NT1 technetium 103
NT1 technetium 104
NT1 technetium 105
NT1 technetium 106
NT1 technetium 107
NT1 technetium 108
NT1 technetium 109
NT1 technetium 110
NT1 technetium 111
NT1 technetium 112
NT1 technetium 113
NT1 technetium 88
NT1 technetium 89
NT1 technetium 90
NT1 technetium 91
NT1 technetium 92
NT1 technetium 93
NT1 technetium 94
NT1 technetium 95
NT1 technetium 96
NT1 technetium 97
NT1 technetium 98
NT1 technetium 99

TECHNETIUM OXIDES
*BT1 oxides
*BT1 technetium compounds
RT pertechnetates
RT technetates

TECHNETIUM PHOSPHATES
INIS: Mar 1981; ETDE: Oct 1980
*BT1 phosphates
*BT1 technetium compounds

TECHNETIUM SELENIDES
INIS: Sep 1992; ETDE: Jan 1975
*BT1 selenides
*BT1 technetium compounds

TECHNETIUM SULFIDES
*BT1 sulfides
*BT1 technetium compounds

technetium tellurides
Use technetium compounds
AND tellurides

technical information center
Use information centers
AND us doe

technical specifications
Use specifications

technical writing
See document types
OR information

TECHNOLOGY ASSESSMENT
INIS: Aug 1991; ETDE: Jul 1976
RT appropriate technology
RT delphi method
RT feasibility studies
RT industry

technology development
See commercialization

TECHNOLOGY IMPACTS
INIS: May 1986; ETDE: Aug 1983
RT appropriate technology
RT commercialization
RT cost benefit analysis
RT diversification
RT economic impact
RT economy
RT industry
RT social impact
RT socio-economic factors
RT technology transfer

TECHNOLOGY TRANSFER
INIS: Nov 1977; ETDE: Feb 1975
UF *spin-off*
UF *transfer of knowledge*
RT commercialization
RT developing countries
RT education
RT industry
RT information
RT information dissemination
RT international cooperation
RT inventions
RT nuclear engineering
RT technology impacts
RT us ota

TECHNOLOGY UTILIZATION
INIS: Jan 1977; ETDE: Aug 1993
(Prior to June 1992 this was a valid ETDE descriptor. From June 1992 to August 1993 this concept in ETDE was indexed by COMMERCIALIZATION.)
UF+ *mission analysis*
SF *nanotechnology*
RT appropriate technology
RT commercialization
RT developed countries
RT feasibility studies
RT industry

TECTONICS
(A branch of geology dealing with the broad architecture of the upper part of the earth's crust, that is, the regional assembling of structural or deformational features, a study of their mutual relations, their origin, and their historical evolution.)
NT1 plate tectonics
RT ground uplift
RT metamorphism
RT petrogenesis
RT rocks

TEDLAR
INIS: Apr 2000; ETDE: May 1979
*BT1 fluorinated aliphatic hydrocarbons
*BT1 plastics
*BT1 polyvinyls

teel oil
Use sesame oil

TEETH
*BT1 oral cavity
RT bone tissues
RT calcium
RT caries
RT dentin
RT dentistry
RT jaw

TEFLON
*BT1 plastics
*BT1 polytetrafluoroethylene

teheran university research reactor
Use utrr reactor

TEHRAN NUCLEAR RESEARCH CENTRE
INIS: Oct 1976; ETDE: Nov 1976
UF *nuclear research centre, tehran*
*BT1 iranian organizations

TEKTITES
UF *australites*
UF *billitonites*
UF *moldavites*
UF *obsidianites*
RT meteorites
RT minerals

TEL
UF *tetraethyl lead*
BT1 lead compounds
*BT1 organometallic compounds
RT fuel additives

TELANGIECTASIS
*BT1 cardiovascular diseases
*BT1 skin diseases
*BT1 vascular diseases
RT blood vessels

TELEMETRY
*BT1 data transmission
RT mwd systems

TELEPHONES
INIS: Sep 1992; ETDE: Aug 1976
RT communications
RT data transmission
RT public utilities

TELESCOPE COUNTERS
RT coincidence circuits
RT cosmic ray detection
RT counting techniques
RT hodoscopes
RT radiation detectors

TELESCOPES
NT1 pyrheliometers
NT1 radio telescopes
RT borescopes
RT mirrors
RT optical systems

teletherapy
Use radiotherapy

TELEVISION
RT camera tubes
RT communications
RT radiation protection
RT radio equipment
RT remote viewing equipment
RT television cameras

RT video tapes
RT x radiation

TELEVISION CAMERAS

INIS: May 1992; ETDE: Mar 1977
BT1 cameras
RT television
RT vidicons

TELLURATES

(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 oxygen compounds
BT1 tellurium compounds
RT tellurium oxides

TELLURIC ACID

*BT1 inorganic acids
BT1 oxygen compounds
BT1 tellurium compounds

TELLURIC SURVEYS

INIS: Apr 2000; ETDE: Aug 1976
(Electrical surveys in which the earth's natural electric field is measured at two or more stations simultaneously and a quantitative estimate of the geoelectric section obtained thereby.)
*BT1 electrical surveys
RT geothermal exploration

TELLURIDES

UF+ *americium tellurides*
UF+ *berkelium tellurides*
UF+ *californium tellurides*
UF+ *curium tellurides*
UF+ *technetium tellurides*
BT1 chalcogenides
BT1 tellurium compounds
NT1 aluminium tellurides
NT1 antimony tellurides
NT1 arsenic tellurides
NT1 beryllium tellurides
NT1 bismuth tellurides
NT1 cadmium tellurides
NT1 cerium tellurides
NT1 cesium tellurides
NT1 chromium tellurides
NT1 cobalt tellurides
NT1 copper tellurides
NT1 dysprosium tellurides
NT1 erbium tellurides
NT1 europium tellurides
NT1 gadolinium tellurides
NT1 gallium tellurides
NT1 germanium tellurides
NT1 gold tellurides
NT1 hafnium tellurides
NT1 holmium tellurides
NT1 indium tellurides
NT1 iridium tellurides
NT1 iron tellurides
NT1 lanthanum tellurides
NT1 lead tellurides
NT1 lithium tellurides
NT1 magnesium tellurides
NT1 manganese tellurides
NT1 mercury tellurides
NT1 molybdenum tellurides
NT1 neodymium tellurides
NT1 neptunium tellurides
NT1 nickel tellurides
NT1 niobium tellurides
NT1 palladium tellurides
NT1 platinum tellurides
NT1 plutonium tellurides
NT1 potassium tellurides
NT1 praseodymium tellurides
NT1 rhenium tellurides
NT1 rhodium tellurides
NT1 rubidium tellurides
NT1 ruthenium tellurides
NT1 samarium tellurides
NT1 selenium tellurides
NT1 silver tellurides
NT1 sodium tellurides
NT1 tantalum tellurides
NT1 terbium tellurides
NT1 thallium tellurides
NT1 thorium tellurides
NT1 thulium tellurides
NT1 tin tellurides
NT1 titanium tellurides
NT1 tungsten tellurides
NT1 uranium tellurides
NT1 vanadium tellurides
NT1 ytterbium tellurides
NT1 yttrium tellurides
NT1 zinc tellurides
NT1 zirconium tellurides
RT intermetallic compounds
RT oxytellurides
RT tellurium alloys

TELLURIUM

*BT1 semimetals

TELLURIUM 106

*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 microseconds living radioisotopes
*BT1 tellurium isotopes

TELLURIUM 107

*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 tellurium isotopes

TELLURIUM 108

*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tellurium isotopes

TELLURIUM 109

*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tellurium isotopes

TELLURIUM 110

*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tellurium isotopes

TELLURIUM 111

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tellurium isotopes

TELLURIUM 112

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tellurium isotopes

TELLURIUM 113

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tellurium isotopes

TELLURIUM 114

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tellurium isotopes

TELLURIUM 115

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tellurium isotopes

TELLURIUM 116

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 tellurium isotopes

TELLURIUM 117

*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 tellurium isotopes

TELLURIUM 118

*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 tellurium isotopes

TELLURIUM 119

*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 tellurium isotopes

TELLURIUM 119 TARGET

INIS: Sep 1975; ETDE: Jul 1976
BT1 targets

TELLURIUM 120

*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 tellurium isotopes

TELLURIUM 120 TARGET

BT1 targets

TELLURIUM 121

*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes

*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 tellurium isotopes

TELLURIUM 122
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 tellurium isotopes

TELLURIUM 122 TARGET
BT1 targets

TELLURIUM 123
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 stable isotopes
*BT1 tellurium isotopes
*BT1 years living radioisotopes

TELLURIUM 123 TARGET
BT1 targets

TELLURIUM 124
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 tellurium isotopes

TELLURIUM 124 TARGET
BT1 targets

TELLURIUM 125
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 stable isotopes
*BT1 tellurium isotopes

TELLURIUM 125 TARGET
BT1 targets

TELLURIUM 126
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 tellurium isotopes

TELLURIUM 126 TARGET
BT1 targets

TELLURIUM 127
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 tellurium isotopes

TELLURIUM 128
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 tellurium isotopes

TELLURIUM 128 TARGET
BT1 targets

TELLURIUM 129
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 tellurium isotopes

TELLURIUM 130
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 tellurium isotopes

TELLURIUM 130 REACTIONS
INIS: Dec 1980; ETDE: Jan 1981
*BT1 heavy ion reactions

TELLURIUM 130 TARGET
BT1 targets

TELLURIUM 131
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 tellurium isotopes

TELLURIUM 132
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 tellurium isotopes
RT radioisotope generators

TELLURIUM 133
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 tellurium isotopes

TELLURIUM 134
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tellurium isotopes

TELLURIUM 135
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tellurium isotopes

TELLURIUM 136
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tellurium isotopes

TELLURIUM 137
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tellurium isotopes

TELLURIUM 138
INIS: Mar 1976; ETDE: Mar 1976
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tellurium isotopes

TELLURIUM ADDITIONS
*BT1 tellurium alloys

TELLURIUM ALLOYS
(Alloys containing more than 1% Te.)
BT1 alloys
NT1 tellurium additions
RT tellurides

TELLURIUM ARSENIDES
INIS: Apr 2000; ETDE: Feb 1976
*BT1 arsenides
BT1 tellurium compounds

TELLURIUM BROMIDES
INIS: Dec 1975; ETDE: Jan 1975
*BT1 bromides
*BT1 tellurium halides

TELLURIUM CHLORIDES
*BT1 chlorides
*BT1 tellurium halides

TELLURIUM COMPLEXES
BT1 complexes

TELLURIUM COMPOUNDS
NT1 oxytellurides
NT1 tellurates
NT1 telluric acid
NT1 tellurides
NT2 aluminium tellurides
NT2 antimony tellurides
NT2 arsenic tellurides
NT2 beryllium tellurides
NT2 bismuth tellurides
NT2 cadmium tellurides
NT2 cerium tellurides
NT2 cesium tellurides
NT2 chromium tellurides
NT2 cobalt tellurides
NT2 copper tellurides
NT2 dysprosium tellurides
NT2 erbium tellurides
NT2 europium tellurides
NT2 gadolinium tellurides
NT2 gallium tellurides
NT2 germanium tellurides
NT2 gold tellurides
NT2 hafnium tellurides
NT2 holmium tellurides
NT2 indium tellurides
NT2 iridium tellurides
NT2 iron tellurides
NT2 lanthanum tellurides
NT2 lead tellurides
NT2 lithium tellurides
NT2 magnesium tellurides
NT2 manganese tellurides
NT2 mercury tellurides
NT2 molybdenum tellurides
NT2 neodymium tellurides
NT2 neptunium tellurides
NT2 nickel tellurides
NT2 niobium tellurides
NT2 palladium tellurides
NT2 platinum tellurides
NT2 plutonium tellurides
NT2 potassium tellurides
NT2 praseodymium tellurides
NT2 rhenium tellurides
NT2 rhodium tellurides
NT2 rubidium tellurides
NT2 ruthenium tellurides
NT2 samarium tellurides
NT2 selenium tellurides
NT2 silver tellurides
NT2 sodium tellurides
NT2 tantalum tellurides
NT2 terbium tellurides
NT2 thallium tellurides
NT2 thorium tellurides
NT2 thulium tellurides

NT2 tin tellurides
NT2 titanium tellurides
NT2 tungsten tellurides
NT2 uranium tellurides
NT2 vanadium tellurides
NT2 ytterbium tellurides
NT2 yttrium tellurides
NT2 zinc tellurides
NT2 zirconium tellurides
NT1 tellurium arsenides
NT1 tellurium halides
NT2 tellurium bromides
NT2 tellurium chlorides
NT2 tellurium fluorides
NT2 tellurium iodides
NT1 tellurium hydrides
NT1 tellurium hydroxides
NT1 tellurium nitrates
NT1 tellurium oxides
NT1 tellurium sulfides

TELLURIUM FLUORIDES
*BT1 fluorides
*BT1 tellurium halides

TELLURIUM HALIDES
INIS: Sep 1991; ETDE: Oct 1975
*BT1 halides
BT1 tellurium compounds
NT1 tellurium bromides
NT1 tellurium chlorides
NT1 tellurium fluorides
NT1 tellurium iodides

TELLURIUM HYDRIDES
INIS: Jun 1977; ETDE: Jan 1977
*BT1 hydrides
BT1 tellurium compounds

TELLURIUM HYDROXIDES
INIS: Feb 1978; ETDE: Apr 1978
*BT1 hydroxides
BT1 tellurium compounds

TELLURIUM IODIDES
*BT1 iodides
*BT1 tellurium halides

TELLURIUM IONS
*BT1 ions

TELLURIUM ISOTOPES
BT1 isotopes
NT1 tellurium 106
NT1 tellurium 107
NT1 tellurium 108
NT1 tellurium 109
NT1 tellurium 110
NT1 tellurium 111
NT1 tellurium 112
NT1 tellurium 113
NT1 tellurium 114
NT1 tellurium 115
NT1 tellurium 116
NT1 tellurium 117
NT1 tellurium 118
NT1 tellurium 119
NT1 tellurium 120
NT1 tellurium 121
NT1 tellurium 122
NT1 tellurium 123
NT1 tellurium 124
NT1 tellurium 125
NT1 tellurium 126
NT1 tellurium 127
NT1 tellurium 128
NT1 tellurium 129
NT1 tellurium 130
NT1 tellurium 131
NT1 tellurium 132
NT1 tellurium 133
NT1 tellurium 134
NT1 tellurium 135
NT1 tellurium 136
NT1 tellurium 137
NT1 tellurium 138

TELLURIUM NITRATES
INIS: May 1978; ETDE: Jul 1978
*BT1 nitrates
BT1 tellurium compounds

TELLURIUM ORES
BT1 ores

TELLURIUM OXIDES
*BT1 oxides
BT1 tellurium compounds
RT moctezumite
RT oxide minerals
RT tellurates

TELLURIUM SULFIDES
*BT1 sulfides
BT1 tellurium compounds

TELOMERES
INIS: Jan 1995; ETDE: Jan 1995
(Specialized end portions of chromosomes.)
RT chromosomal aberrations
RT chromosomes
RT dna replication

TELOMERIZATION
*BT1 polymerization

telophase
Use mitosis

tem
Use alkylating agents

tem (microscopy)
Use transmission electron microscopy

TEMELIN-1 REACTOR
INIS: Sep 1986; ETDE: Feb 1988
*BT1 wwer type reactors

TEMELIN-2 REACTOR
Mar 2003
*BT1 wwer type reactors

TEMPERATE ZONES
INIS: Mar 1993; ETDE: Feb 1980
(Areas or regions between the Tropic of Cancer and the Arctic Circle or between the Tropic of Capricorn and the Antarctic Circle.)
UF *zones (temperate)*
RT boreal regions
RT climates

temperature (0 k)
Use temperature zero k

temperature (0000-0013 k)
Use temperature range 0000-0013 k

temperature (0013-0065 k)
Use temperature range 0013-0065 k

temperature (0065-0273 k)
Use temperature range 0065-0273 k

temperature (0273-0400 k)
Use temperature range 0273-0400 k

temperature (0400-1000 k)
Use temperature range 0400-1000 k

temperature (1000-4000 k)
Use temperature range 1000-4000 k

temperature (4000 k and above)
Use temperature range over 4000 k

temperature (ambient)
Use ambient temperature

temperature (atmospheric)
Use ambient temperature

temperature (body)
Use body temperature

temperature (debye)
Use debye temperature

temperature (electron)
Use electron temperature

temperature (global)
Use ambient temperature

temperature (ion)
Use ion temperature

temperature (neutron)
Use neutron temperature

temperature (nuclear)
Use nuclear temperature

temperature (photon)
Use photon temperature

temperature (proton)
Use proton temperature

temperature (transition)
Use transition temperature

TEMPERATURE COEFFICIENT
BT1 reactivity coefficients
RT doppler coefficient
RT temperature dependence

TEMPERATURE CONTROL
BT1 control
RT air conditioning
RT ambient temperature
RT cooling
RT heating
RT temperature measurement
RT temperature monitoring
RT thermal comfort
RT thermal insulation
RT thermostats

TEMPERATURE DEPENDENCE
UF *heat effects*
UF *temperature effects*
UF *thermal effects*
UF+ *pyroelectricity*
RT ambient temperature
RT bowing
RT temperature coefficient
RT temperature distribution
RT temperature range
RT thermal hydraulics
RT thermochemical diagrams
RT thermoelasticity
RT vernalization

TEMPERATURE DISTRIBUTION
(Coordinate with the descriptor for the appropriate temperature range. Prior to January 1983, the temperature range was coordinated with SPATIAL DISTRIBUTION.)
RT ambient temperature
RT isotherms
RT spatial distribution
RT temperature dependence
RT temperature gradients

RT thermal hydraulics

temperature effects
Use temperature dependence

TEMPERATURE GRADIENTS
(Coordinate with the descriptor for the temperature range involved. Prior to June 1986 this concept was expressed with the aid of TEMPERATURE DISTRIBUTION or SPATIAL DISTRIBUTION.)
UF *thermal gradients*
NT1 geothermal gradients
RT ambient temperature
RT onsager relations
RT temperature distribution

TEMPERATURE INVERSIONS
INIS: Oct 1976; ETDE: Dec 1976
(Meteorological phenomena whereby warmer air layers at higher altitudes produce a closed stable air layer at lower altitudes.)
UF *atmospheric inversion*
UF *inversion*
UF *inversions (temperature)*
UF *thermal inversion*
RT air pollution
RT earth atmosphere
RT meteorology

TEMPERATURE LOGGING
INIS: Apr 2000; ETDE: Nov 1977
(Measurement of well temperature as a function of depth in order to ascertain the presence of anomalies.)
BT1 well logging
RT temperature measurement

TEMPERATURE MEASUREMENT
RT ambient temperature
RT bolometers
RT calorimeters
RT calorimetry
RT degree days
RT geothermometers
RT geothermometry
RT isotherms
RT measuring instruments
RT noise thermometers
RT optical pyrometers
RT paleotemperature
RT pyrometers
RT reservoir temperature
RT temperature control
RT temperature logging
RT temperature monitoring
RT temperature surveys
RT thermocouples
RT thermography
RT thermometers
RT well temperature

TEMPERATURE MONITORING
BT1 monitoring
RT in core instruments
RT infrared thermography
RT reactor monitoring systems
RT temperature control
RT temperature measurement

TEMPERATURE NOISE
BT1 noise
RT cooling
RT transients
RT variations

TEMPERATURE RANGE
INIS: Jan 1992; ETDE: Feb 1992
NT1 temperature range 0000-0013 k
NT1 temperature range 0013-0065 k
NT1 temperature range 0065-0273 k
NT1 temperature range 0273-0400 k
NT1 temperature range 0400-1000 k
NT1 temperature range 1000-4000 k
NT1 temperature range over 4000 k
RT ambient temperature
RT temperature dependence
RT temperature zero k

TEMPERATURE RANGE 0000-0013 K
(Prior to February 1992, this subject was indexed to ULTRALOW TEMPERATURE.)
UF *milli k range*
UF *temperature (0000-0013 k)*
UF *ultralow temperature*
BT1 temperature range
RT cryogenics

TEMPERATURE RANGE 0013-0065 K
(Prior to February 1992, this subject was indexed to VERY LOW TEMPERATURE.)
UF *temperature (0013-0065 k)*
UF *very low temperature*
BT1 temperature range
RT cryogenics

TEMPERATURE RANGE 0065-0273 K
(Prior to February 1992, this subject was indexed to LOW TEMPERATURE.)
UF *low temperature*
UF *temperature (0065-0273 k)*
BT1 temperature range
RT cryogenics
RT freezing out

TEMPERATURE RANGE 0273-0400 K
(Prior to February 1992, this subject was indexed to MEDIUM TEMPERATURE.)
UF *medium temperature*
UF *temperature (0273-0400 k)*
BT1 temperature range

TEMPERATURE RANGE 0400-1000 K
(Prior to February 1992, this subject was indexed to HIGH TEMPERATURE.)
UF *high temperature*
UF *temperature (0400-1000 k)*
BT1 temperature range

TEMPERATURE RANGE 1000-4000 K
(Prior to February 1992, this subject was indexed to VERY HIGH TEMPERATURE.)
UF *temperature (1000-4000 k)*
UF *very high temperature*
BT1 temperature range

TEMPERATURE RANGE OVER 4000 K
INIS: Jul 1992; ETDE: Feb 1992
(Prior to February 1992, this subject was indexed to ULTRAHIGH TEMPERATURE.)
UF *temperature (4000 k and above)*
UF *ultrahigh temperature*
BT1 temperature range

TEMPERATURE SURVEYS
INIS: Jan 1987; ETDE: Feb 1980
UF *thermal surveys*
*BT1 geophysical surveys
RT geothermal exploration
RT temperature measurement

TEMPERATURE ZERO K
INIS: Sep 1992; ETDE: Feb 1992
(Until September 1992, this concept was indexed by ABSOLUTE ZERO TEMPERATURE.)
UF *absolute zero temperature*
UF *temperature (0 k)*
RT cryogenics
RT temperature range

TEMPERING
BT1 heat treatments

TEMPORAL DOSE DISTRIBUTIONS
BT1 radiation dose distributions
RT chronic irradiation
RT cumulative radiation effects
RT dose rates
RT fractionated irradiation
RT integral doses
RT irradiation procedures
RT pulsed irradiation
RT time dependence

TENDONS
INIS: Jan 1992; ETDE: Feb 1992
*BT1 connective tissue
RT muscles

tendons (structural)
Use cables

tenelon
Use stainless steels

TENNESSEE
*BT1 usa
NT1 chattanooga
NT1 oak ridge
RT chattanooga formation
RT clinch river
RT cumberland river
RT kingston steam plant
RT little tennessee river
RT mississippi river
RT nuclear fuel recovery and recycling center
RT oak ridge reservation
RT orgdp
RT ornl
RT tennessee river
RT tennessee valley region
RT y-12 plant

TENNESSEE RIVER
*BT1 rivers
RT alabama
RT kentucky
RT tennessee
RT tennessee valley region

tennessee tokamak
Use tentok reactors

TENNESSEE VALLEY AUTHORITY
INIS: Jan 1977; ETDE: Jan 1976
UF *tva*
*BT1 us organizations
RT kingston steam plant
RT little tennessee river
RT paradise steam plant
RT shawnee steam plant
RT tennessee valley region
RT widows creek steam plant

tennessee valley authority reactor-1
Use tva-1 reactor

tennessee valley authority reactor-2
Use tva-2 reactor

TENNESSEE VALLEY REGION
INIS: Apr 2000; ETDE: Sep 1978
BT1 watersheds
RT alabama
RT clinch river
RT kentucky
RT little tennessee river
RT tennessee
RT tennessee river
RT tennessee valley authority

TENSILE PROPERTIES
UF *strength (tensile)*
UF *tensile strength*
BT1 mechanical properties
NT1 ductility
NT1 flexibility
RT compression strength
RT shear
RT strain rate
RT strains
RT stresses
RT ultimate strength
RT yield strength

tensile strength
Use tensile properties

tensiometers
See measuring instruments
OR moisture gages
OR strain gages

tension (surface)
Use surface tension

TENSOR DOMINANCE MODEL
UF *tensor meson dominance*
*BT1 particle models
RT tensor mesons

TENSOR FIELDS
INIS: Oct 1992; ETDE: Nov 1992
RT quantum field theory

TENSOR FORCES
RT nuclear forces
RT potentials
RT tensors
RT vectors

tensor meson dominance
Use tensor dominance model

TENSOR MESONS
(Mesons with spin higher than 1.)
*BT1 mesons
NT1 a2-1320 mesons
NT1 a4-2040 mesons
NT1 a6-2450 mesons
NT1 chi b2-9915 mesons
NT1 chi2-3555 mesons
NT1 d*2-2460 mesons
NT1 f2 prime-1525 mesons
NT1 f2-1270 mesons
NT1 f2-1430 mesons
NT1 f2-1720 mesons
NT1 f2-1810 mesons
NT1 f2-2010 mesons
NT1 f2-2300 mesons
NT1 f2-2340 mesons
NT1 f4-2050 mesons
NT1 f4-2300 mesons
NT1 f6-2510 mesons
NT1 k*2-1430 mesons
NT1 k*3-1780 mesons
NT1 k*4-2045 mesons
NT1 k2-1770 mesons
NT1 k2-1820 mesons
NT1 omega3-1670 mesons
NT1 phi3-1850 mesons
NT1 pi2-1670 mesons
NT1 pi2-2100 mesons
NT1 rho3-1690 mesons
NT1 rho3-2250 mesons
NT1 rho5-2350 mesons
RT meson nonets
RT noncentral forces
RT tensor dominance model

TENSORS
NT1 dielectric tensor
NT1 energy-momentum tensor
NT1 ricci tensor
NT1 vectors
NT2 isovectors
RT mathematics
RT metrics
RT scalars
RT tensor forces

TENTOK REACTORS
INIS: Apr 2000; ETDE: May 1984
(3000-mw(t) plants fueled with D-T in D-shaped plasma with double-null poloidal divertor.)
UF *tennessee tokamak*
*BT1 tokamak type reactors

teollisuuden voima oy-1 reactor
Use olkiluoto-1 reactor

teollisuuden voima oy-2 reactor
Use olkiluoto-2 reactor

terahertz frequency range
Use thz range

TERATOGEN SCREENING
INIS: Apr 2000; ETDE: Dec 1981
UF *screening (teratogen)*
RT mutagen screening
RT teratogenesis
RT teratogens
RT testing

TERATOGENESIS
RT biological radiation effects
RT congenital malformations
RT growth
RT teratogen screening
RT teratogens

TERATOGENS
INIS: Sep 1983; ETDE: Aug 1980
RT carcinogens
RT congenital malformations
RT drugs
RT fetuses
RT genetic effects
RT ionizing radiations
RT mutagens
RT neonates
RT teratogen screening
RT teratogenesis

TERAWATT POWER RANGE
INIS: Apr 1988; ETDE: Sep 1989
BT1 power range
NT1 power range 01-10 tw
NT1 power range 10-100 tw
NT1 power range 100-1000 tw

TERBIUM
*BT1 rare earths

TERBIUM 139
INIS: Dec 1999; ETDE: Nov 1999
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
BT1 terbium isotopes

TERBIUM 140
INIS: Feb 1987; ETDE: May 1987
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
BT1 terbium isotopes

TERBIUM 141
INIS: Apr 1988; ETDE: May 1988
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
BT1 terbium isotopes

TERBIUM 143
INIS: Jun 1985; ETDE: Jun 1985
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
BT1 terbium isotopes

TERBIUM 144
INIS: Jun 1982; ETDE: Mar 1982
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
BT1 terbium isotopes

TERBIUM 145
INIS: Jun 1982; ETDE: Mar 1982
*BT1 beta-plus decay radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
BT1 terbium isotopes

TERBIUM 146
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
BT1 terbium isotopes

TERBIUM 147
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 terbium isotopes

TERBIUM 148
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 terbium isotopes

TERBIUM 149
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes

*BT1 hours living radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 terbium isotopes

TERBIUM 150
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 terbium isotopes

TERBIUM 151
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
BT1 terbium isotopes

TERBIUM 152
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 terbium isotopes

TERBIUM 153
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 terbium isotopes

TERBIUM 154
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 terbium isotopes

TERBIUM 155
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 terbium isotopes

TERBIUM 156
*BT1 beta-minus decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 terbium isotopes

TERBIUM 157
*BT1 electron capture radioisotopes
*BT1 internal conversion radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 terbium isotopes
*BT1 years living radioisotopes

TERBIUM 158
*BT1 beta-minus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
BT1 terbium isotopes
*BT1 years living radioisotopes

TERBIUM 159
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes
BT1 terbium isotopes

TERBIUM 159 TARGET
BT1 targets

TERBIUM 160
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 terbium isotopes

TERBIUM 160 TARGET
INIS: Apr 1979; ETDE: May 1979
BT1 targets

TERBIUM 161
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 terbium isotopes

TERBIUM 162
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 terbium isotopes

TERBIUM 163
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 terbium isotopes

TERBIUM 164
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 terbium isotopes

TERBIUM 165
INIS: Apr 1986; ETDE: Jul 1986
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 terbium isotopes

TERBIUM 166
INIS: Nov 1996; ETDE: Nov 1996
*BT1 beta-minus decay radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
BT1 terbium isotopes

TERBIUM ADDITIONS
(Alloys containing not more than 1% Tb are listed here.)
*BT1 rare earth additions
*BT1 terbium alloys

TERBIUM ALLOYS
(Alloys containing more than 1% Tb.)
*BT1 rare earth alloys
NT1 terbium additions
NT1 terbium base alloys

terbium arsenides
Use arsenides
AND terbium compounds

TERBIUM BASE ALLOYS
*BT1 terbium alloys

TERBIUM BORIDES
*BT1 borides
*BT1 terbium compounds

TERBIUM BROMIDES
*BT1 bromides
*BT1 terbium compounds

TERBIUM CARBIDES
*BT1 carbides
*BT1 terbium compounds

TERBIUM CARBONATES
*BT1 carbonates
*BT1 terbium compounds

TERBIUM CHLORIDES
*BT1 chlorides
*BT1 terbium compounds

TERBIUM COMPLEXES
*BT1 rare earth complexes

TERBIUM COMPOUNDS
UF+ *terbium arsenides*
BT1 rare earth compounds
NT1 terbium borides
NT1 terbium bromides
NT1 terbium carbides
NT1 terbium carbonates
NT1 terbium chlorides
NT1 terbium fluorides
NT1 terbium hydrides
NT1 terbium hydroxides
NT1 terbium iodides
NT1 terbium nitrates
NT1 terbium nitrides
NT1 terbium oxides
NT1 terbium perchlorates
NT1 terbium phosphates
NT1 terbium phosphides
NT1 terbium selenides
NT1 terbium silicides
NT1 terbium sulfates
NT1 terbium sulfides
NT1 terbium tellurides

TERBIUM FLUORIDES
*BT1 fluorides
*BT1 terbium compounds

TERBIUM HYDRIDES
*BT1 hydrides
*BT1 terbium compounds

TERBIUM HYDROXIDES
*BT1 hydroxides
*BT1 terbium compounds

TERBIUM IODIDES
*BT1 iodides
*BT1 terbium compounds

TERBIUM IONS
*BT1 ions

TERBIUM ISOTOPES
NT1 terbium 139
NT1 terbium 140

NT1 terbium 141
NT1 terbium 143
NT1 terbium 144
NT1 terbium 145
NT1 terbium 146
NT1 terbium 147
NT1 terbium 148
NT1 terbium 149
NT1 terbium 150
NT1 terbium 151
NT1 terbium 152
NT1 terbium 153
NT1 terbium 154
NT1 terbium 155
NT1 terbium 156
NT1 terbium 157
NT1 terbium 158
NT1 terbium 159
NT1 terbium 160
NT1 terbium 161
NT1 terbium 162
NT1 terbium 163
NT1 terbium 164
NT1 terbium 165
NT1 terbium 166

TERBIUM NITRATES
*BT1 nitrates
*BT1 terbium compounds

TERBIUM NITRIDES
*BT1 nitrides
*BT1 terbium compounds

TERBIUM OXIDES
*BT1 oxides
*BT1 terbium compounds

TERBIUM PERCHLORATES
*BT1 perchlorates
*BT1 terbium compounds

TERBIUM PHOSPHATES
*BT1 phosphates
*BT1 terbium compounds

TERBIUM PHOSPHIDES
INIS: Jan 1977; ETDE: Aug 1976
*BT1 phosphides
*BT1 terbium compounds

TERBIUM SELENIDES
INIS: Mar 1985; ETDE: Sep 1978
*BT1 selenides
*BT1 terbium compounds

TERBIUM SILICIDES
*BT1 silicides
*BT1 terbium compounds

TERBIUM SULFATES
*BT1 sulfates
*BT1 terbium compounds

TERBIUM SULFIDES
*BT1 sulfides
*BT1 terbium compounds

TERBIUM TELLURIDES
INIS: Feb 1978; ETDE: Oct 1977
*BT1 tellurides
*BT1 terbium compounds

TEREPHTHALIC ACID
UF *benzenedicarboxylic acid-para*
*BT1 dicarboxylic acids
RT dacron

TERMINAL FACILITIES
INIS: Jan 1978; ETDE: Mar 1977
UF *facilities (terminal)*
NT1 deep water oil terminals
RT energy facilities
RT liquefied natural gas
RT maintenance facilities
RT storage facilities

TERNARY ALLOY SYSTEMS
BT1 alloy systems

TERNARY FISSION
*BT1 fission

TERNE-METAL
INIS: Apr 2000; ETDE: Dec 1974
*BT1 antimony alloys
*BT1 lead base alloys
*BT1 tin alloys

TERPENES
UF+ *camphene*
UF+ *geraniol*
BT1 organic compounds
NT1 camphor
NT1 carotenoids
NT1 squalene
NT1 turpentine
RT oils

terphenyl-meta
Use terphenyls

TERPHENYL-ORTHO
*BT1 terphenyls

TERPHENYL-PARA
*BT1 terphenyls

TERPHENYLS
(Prior to March 1997 TERPHENYL-META was a valid ETDE descriptor.)
UF *terphenyl-meta*
*BT1 polyphenyls
NT1 terphenyl-ortho
NT1 terphenyl-para
RT liquid scintillators
RT plastic scintillators

terramycin
Use oxytetracycline

terrestrial background
Use background radiation

TERRESTRIAL ECOSYSTEMS
BT1 ecosystems
NT1 rangelands
NT1 savannas
NT1 swamps
RT arid lands
RT deserts
RT forests
RT islands
RT land resources
RT soils
RT tundra

territorial seas
Use territorial waters

TERRITORIAL WATERS
(Waters under the sovereign jurisdiction of a nation or state including both marginal sea and inland waters.)
UF *territorial seas*
BT1 surface waters
RT coastal waters
RT continental shelf
RT fishery laws
RT government policies
RT high seas
RT inland waterways
RT maritime laws
RT nuclear ship visits
RT seas

terrorism
See proliferation
OR sabotage
OR security
OR vulnerability

TERTIARY PERIOD
INIS: Apr 1992; ETDE: Oct 1977
UF *neogene period*
UF *oligocene epoch*
UF *paleocene epoch*
UF *paleogene period*
*BT1 cenozoic era
NT1 eocene epoch
NT1 miocene epoch
NT1 pliocene epoch

tertiary recovery
Use enhanced recovery

terylene
Use dacron

tesi devices
Use pinch devices

TEST FACILITIES
INIS: May 1986; ETDE: Apr 1975
(Facilities to test the technical feasibility of a conceptor to provide the technical basis for similar facilities in larger sizes.)
UF *facilities (test)*
UF *international fusion superconducting magnet test facility*
UF *liquid metal test facilities*
NT1 advanced components test facility
NT1 central receiver test facility
NT1 cnrs solar facility
NT1 felix facility
NT1 msstf
NT1 test reactors
NT2 aipfr reactor
NT2 arbus reactor
NT2 astr reactor
NT2 astra reactor
NT2 atpr reactor
NT2 atr reactor
NT2 barn reactor
NT2 bawtr reactor
NT2 bgrr reactor
NT2 borax-5 reactor
NT2 br-02 reactor
NT2 brr reactor
NT2 cesnef reactor
NT2 cirus reactor
NT2 cp-5 reactor
NT2 dhruva reactor
NT2 dimple reactor
NT2 diorit reactor
NT2 ebor reactor
NT2 ebr-1 reactor
NT2 eco reactor
NT2 eocr reactor
NT2 esada-vesr reactor
NT2 essor reactor
NT2 etr reactor
NT2 etrc reactor
NT2 fftf reactor
NT2 fir-1 reactor
NT2 fmrb reactor
NT2 fnr reactor
NT2 fr-2 reactor
NT2 frctf reactor
NT2 frg-1 reactor
NT2 frn reactor
NT2 getr reactor
NT2 grenoble reactor
NT2 gtr reactor

NT2 gtrr reactor
NT2 hanaro reactor
NT2 harmonie reactor
NT2 herald reactor
NT2 hero reactor
NT2 hew-305 reactor
NT2 hfir reactor
NT2 hifar reactor
NT2 hre-2 reactor
NT2 htltr reactor
NT2 htr-10 reactor
NT2 irl reactor
NT2 irr-1 reactor
NT2 irt-2000 djakarta reactor
NT2 irt-2000 moscow reactor
NT2 irt-baghdad reactor
NT2 ispra-1 reactor
NT2 jmtr reactor
NT2 kalpakkam lmfbr reactor
NT2 loft reactor
NT2 mzfr reactor
NT2 netr reactor
NT2 nru reactor
NT2 ntr reactor
NT2 orphee reactor
NT2 owr reactor
NT2 pat reactor
NT2 pegase reactor
NT2 proteus reactor
NT2 ra-3 reactor
NT2 ra-4 reactor
NT2 ra-5 reactor
NT2 ra-6 reactor
NT2 ra-8 reactor
NT2 rapsodie reactor
NT2 rts-1 reactor
NT2 s1c prototype reactor
NT2 safari-1 reactor
NT2 sbr-5 reactor
NT2 snaptran reactors
NT2 stf reactor
NT2 tapiro reactor
NT2 tory-2a reactor
NT2 tory-2c reactor
NT2 treat reactor
NT2 triga-1-michigan reactor
NT2 triga-2-pavia reactor
NT2 tsr-1 reactor
NT2 tsr-2 reactor
NT2 urr reactor
NT2 uvar reactor
NT2 viper reactor
NT2 wr-1 reactor
NT2 wtr reactor
NT1 tonopah test range
NT1 tritium systems test assembly
NT1 white sands solar facility
RT laboratory equipment
RT mockup
RT nuclear facilities
RT sttfua
RT testing

test fast breeder reactor kalpakkam

Use kalpakkam lmfbr reactor

TEST PARTICLES

RT charged particles

TEST REACTORS

(A facility to test the technical feasibility of a conceptor to provide the technical basis for a similar facility in a larger size.)
*BT1 research and test reactors
BT1 test facilities
NT1 aipfr reactor
NT1 arbus reactor
NT1 astr reactor
NT1 astra reactor
NT1 atpr reactor
NT1 atr reactor
NT1 barn reactor
NT1 bawtr reactor
NT1 bgrr reactor
NT1 borax-5 reactor
NT1 br-02 reactor
NT1 brr reactor
NT1 cesnef reactor
NT1 cirus reactor
NT1 cp-5 reactor
NT1 dhruva reactor
NT1 dimple reactor
NT1 diorit reactor
NT1 ebor reactor
NT1 ebr-1 reactor
NT1 eco reactor
NT1 eocr reactor
NT1 esada-vesr reactor
NT1 essor reactor
NT1 etr reactor
NT1 etrc reactor
NT1 fftf reactor
NT1 fir-1 reactor
NT1 fmrb reactor
NT1 fnr reactor
NT1 fr-2 reactor
NT1 frctf reactor
NT1 frg-1 reactor
NT1 frn reactor
NT1 getr reactor
NT1 grenoble reactor
NT1 gtr reactor
NT1 gtrr reactor
NT1 hanaro reactor
NT1 harmonie reactor
NT1 herald reactor
NT1 hero reactor
NT1 hew-305 reactor
NT1 hfir reactor
NT1 hifar reactor
NT1 hre-2 reactor
NT1 htltr reactor
NT1 htr-10 reactor
NT1 irl reactor
NT1 irr-1 reactor
NT1 irt-2000 djakarta reactor
NT1 irt-2000 moscow reactor
NT1 irt-baghdad reactor
NT1 ispra-1 reactor
NT1 jmtr reactor
NT1 kalpakkam lmfbr reactor
NT1 loft reactor
NT1 mzfr reactor
NT1 netr reactor
NT1 nru reactor
NT1 ntr reactor
NT1 orphee reactor
NT1 owr reactor
NT1 pat reactor
NT1 pegase reactor
NT1 proteus reactor
NT1 ra-3 reactor
NT1 ra-4 reactor
NT1 ra-5 reactor
NT1 ra-6 reactor
NT1 ra-8 reactor
NT1 rapsodie reactor
NT1 rts-1 reactor
NT1 s1c prototype reactor
NT1 safari-1 reactor
NT1 sbr-5 reactor
NT1 snaptran reactors
NT1 stf reactor
NT1 tapiro reactor
NT1 tory-2a reactor
NT1 tory-2c reactor
NT1 treat reactor
NT1 triga-1-michigan reactor
NT1 triga-2-pavia reactor
NT1 tsr-1 reactor
NT1 tsr-2 reactor
NT1 urr reactor
NT1 uvar reactor
NT1 viper reactor
NT1 wr-1 reactor
NT1 wtr reactor

test wells

Use exploratory wells

TESTES

BT1 gonads
*BT1 male genitals
RT androgens
RT spermatogenesis

TESTING

(Subjection to specific planned procedures calculated to reveal any deficiencies.)
NT1 clinical trials
NT1 drill stem testing
NT1 field tests
NT1 flight testing
NT1 frequency response testing
NT1 leak testing
NT1 materials testing
NT2 destructive testing
NT3 charpy test
NT2 mechanical tests
NT3 impact tests
NT4 charpy test
NT2 nondestructive testing
NT3 acoustic testing
NT4 acoustic emission testing
NT4 ultrasonic testing
NT3 electrical testing
NT3 electromagnetic testing
NT4 eddy current testing
NT3 industrial radiography
NT4 beta radiography
NT4 gamma radiography
NT5 gamma fuel scanning
NT4 neutron radiography
NT4 proton radiography
NT4 x-ray radiography
NT3 liquid penetrant inspection
NT3 magnetic testing
NT3 radiation attenuation testing
NT3 thermal testing
NT4 frost tests
NT1 performance testing
NT1 road tests
NT1 validation
RT bench-scale experiments
RT carcinogen screening
RT certification
RT evaluation
RT feasibility studies
RT inspection
RT mutagen screening
RT sampling
RT teratogen screening
RT test facilities

testing (biological)

Use bioassay

testing (materials)

Use materials testing

TESTOSTERONE

*BT1 androgens
*BT1 hydroxy compounds
*BT1 ketones

TETA

UF *triethylenetetramine*
*BT1 amines

TETAHA
(Triethylenetetraaminehexaacetic acid)
UF *triethylenetetraaminehexaacetic acid*
*BT1 amino acids
BT1 chelating agents

TETANUS
*BT1 bacterial diseases

TETRACENE
*BT1 condensed aromatics
*BT1 hydrocarbons

tetrachlorobenzoquinone
Use chloranil

tetrachloromethane
Use carbon tetrachloride

TETRACYCLINES
(Prior to March 1997 CHLORTETRACYCLINE was a valid ETDE descriptor.)
UF *chlortetracycline*
*BT1 antibiotics
NT1 oxytetracycline

TETRADECANOIC ACID
UF *myristic acid*
*BT1 monocarboxylic acids

tetraethyl lead
Use tel

tetraethylammonium bromide
Use bromides
AND quaternary compounds

tetrafluoromethane
Use carbon tetrafluoride

TETRAGONAL LATTICES
*BT1 crystal lattices

TETRAHYDROFURAN
INIS: Sep 1980; ETDE: Nov 1979
UF *thf*
*BT1 furans
NT1 mthf

tetrahydronaphthalene
Use tetralin

TETRAHYDROPYRAN
*BT1 pyrans
RT ethers

tetrahydropyrroles
Use pyrrolidines

tetrahydroxybutane
Use erythritol

TETRAHYMENA
*BT1 ciliata

TETRALIN
UF *tetrahydronaphthalene*
*BT1 aromatics
*BT1 hydroaromatics
*BT1 hydrocarbons
RT naphthalene

tetramethyl-4-piperidone-n-oxyl
Use triacetoneamine-n-oxyl

tetramethylenediamine
Use putrescine

tetramethylethylene glycol
Use pinacol

tetramethyltetraselenafulvalene
Use tmtsf

TETRANEUTRONS
(Bound state of four neutrons.)
*BT1 polyneutrons

tetraphenylethylene glycol
Use glycols

tetraploidy
Use polyploidy

tetrathiafulvalene
Use ttf

tetrathiafulvalene tetracyanoquinodimethane
Use ttf-tcnq

TETRAZOLES
(Compounds that contain a five-membered heterocyclic ring containing four nitrogen atoms.)
*BT1 azoles
NT1 tetrazolium

TETRAZOLIUM
*BT1 chlorides
*BT1 tetrazoles

TETRYL
INIS: Apr 2000; ETDE: Jan 1975
*BT1 amines
*BT1 chemical explosives
*BT1 nitro compounds

TEV RANGE
(From 10 exp 12 to 10 exp 15 eV.)
BT1 energy range
NT1 tev range 01-10
NT1 tev range 10-100
NT1 tev range 100-1000

TEV RANGE 01-10
INIS: Oct 1977; ETDE: Nov 1977
*BT1 tev range

TEV RANGE 10-100
INIS: Oct 1977; ETDE: Nov 1977
*BT1 tev range

TEV RANGE 100-1000
INIS: Oct 1977; ETDE: Nov 1977
*BT1 tev range

tevatron
Use fermilab tevatron

tevatron (fermilab)
Use fermilab tevatron

tewa event
Use atmospheric explosions
AND nuclear explosions

TEXACO GASIFICATION PROCESS
INIS: Jul 1992; ETDE: May 1977
(Coal, or any carbonaceous fuel, and oxygen are reacted in carbon monoxide and hydrogen at temperatures of 1200-2200 degrees F and pressures of 300-4500 psi. Steam may be used optionally. Hydrogen and carbon monoxide are recycled to the reactor to optimize methane yield. The high-btu off gas is suitable for upgrading to pipeline quality.)
*BT1 coal gasification

TEXAS
*BT1 usa
RT brazos river
RT dalhart basin
RT galveston bay
RT matagorda bay
RT palo duro basin
RT pantex plant
RT permian basin
RT rio grande river
RT san antonio bay
RT us gulf coast
RT uvalde deposit

TEXAS A AND M CYCLOTRON
UF *texas a and m variable energy cyclotron*
*BT1 isochronous cyclotrons

texas a and m k500 cyclotron
Use texas superconducting cyclotron

texas a and m variable energy cyclotron
Use texas a and m cyclotron

texas college station training reactor
Use nscr reactor

texas experimental tokamak
Use text devices

TEXAS SUPERCONDUCTING CYCLOTRON
INIS: Jun 1983; ETDE: Mar 1983
(Prior to December 1990, this concept was indexed by TEXASA AND M K500 CYCLOTRON.)
UF *texas a and m k500 cyclotron*
*BT1 heavy ion accelerators
*BT1 isochronous cyclotrons
*BT1 superconducting cyclotrons

texas university triga reactor
Use triga-texas reactor

TEXT DEVICES
INIS: Jul 1978; ETDE: Mar 1978
(Text is intended for diagnostic development and basic physics experiments including rf heating.)
UF *texas experimental tokamak*
*BT1 tokamak devices

text editors
See computer codes

TEXTILE INDUSTRY
INIS: Nov 1983; ETDE: Jun 1977
BT1 industry
RT textiles

TEXTILES
RT clothing
RT cotton
RT dacron
RT fibers
RT jute
RT rayon
RT textile industry
RT wool

TEXTOLITE
*BT1 organic polymers

TEXTOR TOKAMAK
INIS: Sep 1977; ETDE: Nov 1977
(Torus EXperiment for Technology Oriented Research.)
UF *torus experiment for technology oriented research*
*BT1 tokamak devices

TEXTURE
RT crystal structure
RT grain orientation
RT schulz method

TFCX REACTORS
INIS: Apr 1994; ETDE: Oct 1984
UF *tokamak fusion core experiment*
*BT1 tokamak type reactors

TFR TOKAMAK
UF *tokamak fontenay-aux-roses*
*BT1 tokamak devices

tftr device
Use tftr tokamak

tftr reactors
Use tftr tokamak

TFTR TOKAMAK
INIS: Nov 1977; ETDE: Jul 1985
(Prior to August 1985 TFTR DEVICE was used.)
UF *tftr device*
UF *tftr reactors*
UF *tokamak fusion test reactor*
*BT1 tokamak devices

thai research reactor-1
Use trr-1 reactor

THAILAND
BT1 asia
BT1 developing countries

THALAMUS
*BT1 brain
RT ganglions

THALASSEMIA
*BT1 anemias

THALLIUM
*BT1 metals

THALLIUM 179
INIS: Sep 1983; ETDE: Aug 1983
*BT1 alpha decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 thallium isotopes

THALLIUM 182
INIS: Jul 1986; ETDE: Sep 1981
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 thallium isotopes

THALLIUM 183
INIS: Sep 1992; ETDE: Sep 1981
*BT1 alpha decay radioisotopes
*BT1 heavy nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 thallium isotopes

THALLIUM 184
INIS: Jan 1977; ETDE: Jan 1977
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 thallium isotopes

THALLIUM 185
INIS: Jan 1977; ETDE: Apr 1977
*BT1 alpha decay radioisotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 thallium isotopes

THALLIUM 186
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 thallium isotopes

THALLIUM 187
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 thallium isotopes

THALLIUM 188
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 thallium isotopes

THALLIUM 189
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 thallium isotopes

THALLIUM 190
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 thallium isotopes

THALLIUM 191
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 thallium isotopes

THALLIUM 192
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 thallium isotopes

THALLIUM 193
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 thallium isotopes

THALLIUM 194
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 thallium isotopes

THALLIUM 195
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 thallium isotopes

THALLIUM 196
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 thallium isotopes

THALLIUM 197
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 thallium isotopes

THALLIUM 198
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 thallium isotopes

THALLIUM 199
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 hours living radioisotopes
*BT1 odd-even nuclei
*BT1 thallium isotopes

THALLIUM 200
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 thallium isotopes

THALLIUM 201
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 thallium isotopes

THALLIUM 202
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 thallium isotopes

THALLIUM 203
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes
*BT1 thallium isotopes

THALLIUM 203 TARGET
BT1 targets

THALLIUM 204
*BT1 beta-minus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 heavy nuclei
*BT1 odd-odd nuclei
*BT1 thallium isotopes
*BT1 years living radioisotopes

THALLIUM 205
*BT1 heavy nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes
*BT1 thallium isotopes

THALLIUM 205 REACTIONS
INIS: Apr 1978; ETDE: Jul 1978
*BT1 heavy ion reactions

THALLIUM 205 TARGET
BT1 targets

THALLIUM 206
UF *radium e//*
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 thallium isotopes

THALLIUM 207
UF *actinium c//*
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 thallium isotopes

THALLIUM 207 TARGET
INIS: May 1980; ETDE: May 1980
BT1 targets

THALLIUM 208
UF *thorium c//*
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 thallium isotopes

THALLIUM 209
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 thallium isotopes

THALLIUM 209 TARGET
INIS: Jun 1984; ETDE: Jul 1984
BT1 targets

THALLIUM 210
UF *radium c//*
*BT1 beta-minus decay radioisotopes
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 thallium isotopes

THALLIUM ADDITIONS
(Alloys containing not more than 1% Tl are listed here.)
*BT1 thallium alloys

THALLIUM ALLOYS
(Alloys containing more than 1% Tl.)
BT1 alloys
NT1 thallium additions
NT1 thallium base alloys

THALLIUM BASE ALLOYS
*BT1 thallium alloys

THALLIUM BROMIDES
*BT1 bromides
*BT1 thallium halides

THALLIUM CARBIDES
INIS: Sep 1977; ETDE: Dec 1975
*BT1 carbides
BT1 thallium compounds

THALLIUM CARBONATES
INIS: Jan 1977; ETDE: Oct 1977
*BT1 carbonates
BT1 thallium compounds

THALLIUM CHLORIDES
*BT1 chlorides
*BT1 thallium halides

THALLIUM COMPLEXES
BT1 complexes

THALLIUM COMPOUNDS
UF+ *thallium hydroxides*
UF+ *thallium perchlorates*
UF+ *thallium uranates*
NT1 thallium carbides
NT1 thallium carbonates
NT1 thallium halides
NT2 thallium bromides
NT2 thallium chlorides
NT2 thallium fluorides
NT2 thallium iodides
NT1 thallium hydrides
NT1 thallium nitrates
NT1 thallium oxides
NT1 thallium phosphates
NT1 thallium selenides
NT1 thallium sulfates
NT1 thallium sulfides
NT1 thallium tellurides
NT1 thallium tungstates

THALLIUM FLUORIDES
*BT1 fluorides
*BT1 thallium halides

THALLIUM HALIDES
INIS: Jan 1985; ETDE: May 1976
*BT1 halides
BT1 thallium compounds
NT1 thallium bromides
NT1 thallium chlorides
NT1 thallium fluorides
NT1 thallium iodides

THALLIUM HYDRIDES
INIS: Jun 1981; ETDE: Aug 1980
*BT1 hydrides
BT1 thallium compounds

thallium hydroxides
Use hydroxides
AND thallium compounds

THALLIUM IODIDES
*BT1 iodides
*BT1 thallium halides

THALLIUM IONS
*BT1 ions

THALLIUM ISOTOPES
BT1 isotopes
NT1 thallium 179
NT1 thallium 182
NT1 thallium 183
NT1 thallium 184
NT1 thallium 185
NT1 thallium 186
NT1 thallium 187
NT1 thallium 188
NT1 thallium 189
NT1 thallium 190
NT1 thallium 191
NT1 thallium 192
NT1 thallium 193
NT1 thallium 194
NT1 thallium 195
NT1 thallium 196
NT1 thallium 197
NT1 thallium 198
NT1 thallium 199
NT1 thallium 200
NT1 thallium 201
NT1 thallium 202
NT1 thallium 203
NT1 thallium 204
NT1 thallium 205
NT1 thallium 206
NT1 thallium 207
NT1 thallium 208
NT1 thallium 209
NT1 thallium 210

THALLIUM NITRATES
*BT1 nitrates
BT1 thallium compounds

THALLIUM OXIDES
*BT1 oxides
BT1 thallium compounds

thallium perchlorates
Use perchlorates
AND thallium compounds

THALLIUM PHOSPHATES
INIS: Jan 1979; ETDE: Feb 1979
*BT1 phosphates
BT1 thallium compounds

THALLIUM SELENIDES
INIS: Sep 1980; ETDE: Aug 1975
*BT1 selenides
BT1 thallium compounds

THALLIUM SULFATES
*BT1 sulfates
BT1 thallium compounds

THALLIUM SULFIDES
*BT1 sulfides
BT1 thallium compounds

THALLIUM TELLURIDES
INIS: Sep 1979; ETDE: Nov 1975
*BT1 tellurides
BT1 thallium compounds

THALLIUM TUNGSTATES
INIS: Apr 2000; ETDE: Nov 1976
BT1 thallium compounds
*BT1 tungstates

thallium uranates
Use thallium compounds
AND uranates

THAMES RIVER
INIS: Feb 1976; ETDE: Apr 1976
*BT1 rivers

THAWING
INIS: Apr 2000; ETDE: Mar 1976
(Process of bringing a frozen material to an unfrozen state.)
BT1 phase transformations
RT cryobiology
RT defrosting
RT freezing
RT melting

THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
INIS: Jun 1997; ETDE: Apr 1998
UF *former yugoslav republic of macedonia*
UF *macedonia (the former yugoslav republic of)*
UF *yugoslavia (macedonia)*
BT1 developing countries
*BT1 eastern europe

the geysers
Use geysers geothermal field

the next step device
Use tns reactors

the next step thermonuclear reactor
Use tns reactors

THEBAINE
*BT1 morphine

THEFT
INIS: Feb 1993; ETDE: Feb 1976
UF *embezzlement*
BT1 crime
RT physical protection devices
RT sabotage
RT security
RT vulnerability

thematic mapping
Use multispectral photography

thenoyltrifluoroacetone
Use tta

theobroma
Use cacao trees

THEOBROMINE
UF *3,7-dimethylxanthine*
*BT1 diuretics
*BT1 vasodilators
*BT1 xanthines

THEOPHYLLINE
UF *1,3-dimethylxanthine*
*BT1 diuretics
*BT1 vasodilators
*BT1 xanthines

THEORETICAL DATA
INIS: Oct 1978; ETDE: Feb 1979
(Use only in conjunction with literary indicator N for data flagging.)
*BT1 numerical data

therapeutic agents
Use drugs

THERAPEUTIC USES
INIS: Jan 1994; ETDE: Sep 1985
BT1 uses
RT therapy

THERAPY
UF *treatment (therapy)*
BT1 medicine
NT1 chemotherapy
NT1 combined therapy
NT1 first aid
NT1 gene therapy
NT1 immunotherapy
NT2 radioimmunotherapy
NT1 post-irradiation therapy
NT1 radiotherapy
NT2 afterloading
NT2 brachytherapy
NT2 neutron therapy
NT3 neutron capture therapy
NT2 radioimmunotherapy
NT1 transfusions
RT balneology
RT biological recovery
RT bleomycin
RT castration
RT diet
RT drugs
RT injection
RT patients
RT radioimmunology
RT side effects
RT surgery
RT therapeutic uses

thermal alteration
Use maturation

THERMAL ANALYSIS
UF *analysis (thermal)*
NT1 differential thermal analysis
NT1 dilatometry
NT1 emanation thermal analysis
NT1 thermal gravimetric analysis
RT phase diagrams
RT phase transformations
RT structural chemical analysis
RT thermal expansion
RT thermal hydraulics

THERMAL BARRIERS
INIS: Mar 1983; ETDE: Oct 1982
(Localized depressions of field, particle density and potential which reduce thermal-energy transfer between plug and central-cell electrons in mirror devices.)
RT plasma confinement
RT tmr reactors
RT tmx devices

THERMAL BATTERIES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 electric batteries
RT electrolytic cells
RT thermoelectric conversion

THERMAL BOUNDARY RESISTANCE
(Thermal impedance at an interface at ultralow temperatures.)
NT1 kapitza resistance
RT heat transfer

THERMAL COLUMNS
UF *columns (thermal)*
UF *reactor thermal columns*
RT moderators
RT neutron sources
RT thermal neutrons

THERMAL COMFORT
INIS: Apr 2000; ETDE: Dec 1980
(That condition which expresses satisfaction with the thermal environment and which is measured by such factors as air temperature, relative humidity, air velocity, etc.)
RT architecture
RT environment
RT humidity control
RT microclimates
RT temperature control

THERMAL CONDUCTION
(Heat transfer by conduction.)
UF *conduction (thermal)*
*BT1 heat transfer
RT thermal conductivity
RT thermal insulation

THERMAL CONDUCTIVITY
UF *conductivity (thermal)*
*BT1 thermodynamic properties
RT heat transfer
RT liquid flow
RT matthiessen rule
RT righi-leduc effect
RT thermal conduction
RT thermal diffusivity
RT thermoelasticity
RT umklapp processes
RT wiedemann-franz law

THERMAL CRACKING
INIS: Jul 1981; ETDE: Dec 1976
*BT1 cracking
RT catalytic cracking
RT hydrocracking

THERMAL CYCLING
RT mechanical tests
RT thermal shock

thermal decay time log
Use neutron-gamma logging

thermal decomposition
Use pyrolysis

THERMAL DEGRADATION
INIS: Oct 1975; ETDE: Jan 1975
(Impairment of properties caused by exposure to heat.)
UF *degradation (thermal)*
UF+ *heat stability*
RT chemical properties
RT heating
RT mechanical properties
RT physical properties
RT pyrolysis

THERMAL DIFFUSION
(Phenomenon in which a temperature gradient in a mixture of fluids gives rise to a flow of one constituent relative to the mixture as a whole.)
UF *thermodiffusion*
BT1 diffusion
RT heat transfer
RT isotope separation
RT separation processes
RT thermal diffusivity

THERMAL DIFFUSIVITY
(The quantity of heat passing normally through a unit area per unit time divided by the product of specific heat, density, and temperature gradient.)
SF *heat dissipation*
*BT1 thermodynamic properties
RT thermal conductivity
RT thermal diffusion
RT thermal insulation

thermal effects
Use temperature dependence

THERMAL EFFICIENCY
BT1 efficiency
RT heat rate
RT thermodynamics

THERMAL EFFLUENTS
UF *effluents (thermal)*
UF *heated effluents*
SF *emissions (industrial)*
SF *heat dissipation*
RT cold effluents
RT emissions tax
RT heat sinks
RT thermal pollution
RT waste heat

THERMAL ENERGY STORAGE EQUIPMENT
INIS: Aug 1992; ETDE: Nov 1975
UF *heat storage devices*
UF *heat storage systems*
*BT1 energy storage systems
BT1 equipment
RT heat storage
RT latent heat storage
RT peaking power plants
RT sensible heat storage
RT solar equipment
RT solar-assisted power systems
RT thermochemical heat storage

thermal envelope houses
Use double envelope buildings

THERMAL EQUILIBRIUM
BT1 equilibrium
RT thermodynamic properties

THERMAL EXPANSION
BT1 expansion
RT contraction
RT dilatometry
RT elongation
RT expansion joints
RT grueneisen constant
RT swelling
RT thermal analysis
RT thermodynamic properties
RT thermoelasticity

THERMAL FATIGUE
*BT1 fatigue

THERMAL FISSION
*BT1 fission
*BT1 neutron reactions
RT thermal neutrons
RT watt fission spectrum

THERMAL FISSION FACTOR
RT fission
RT multiplication factors

THERMAL FRACTURES
INIS: May 1986; ETDE: Jul 1980
*BT1 fractures
RT cracks
RT thermal fracturing
RT thermal stresses

THERMAL FRACTURING
INIS: Apr 2000; ETDE: Jul 1980
(The formation or disintegration of a fracture or crack as a result of sudden temperature changes.)
BT1 fracturing
RT thermal fractures
RT thermal stresses

thermal gradients
Use temperature gradients

THERMAL GRAVIMETRIC ANALYSIS
UF *thermogravimetric analysis*
UF *thermogravimetry*
*BT1 gravimetric analysis
BT1 thermal analysis
RT decomposition

THERMAL HYDRAULICS
UF *thermohydraulics*
BT1 hydraulics
RT flow models
RT fluid flow
RT temperature dependence
RT temperature distribution
RT thermal analysis
RT thermodynamics

thermal insulating glass
Use double glazing

THERMAL INSULATION
UF *insulation (thermal)*
RT air conditioning
RT bead walls
RT curtains
RT earth berms
RT energy conservation
RT fire resistance
RT heat mirrors
RT heat transfer
RT mineral wool
RT r factors
RT shielding
RT shutters
RT storm doors
RT storm windows
RT temperature control
RT thermal conduction
RT thermal diffusivity
RT thermal shields
RT urea-formaldehyde foams
RT weatherization
RT weatherstripping

thermal inversion
Use temperature inversions

THERMAL MASS
INIS: Apr 2000; ETDE: Jul 1978
UF *mass (thermal)*
BT1 mass
RT sensible heat storage

thermal-nelson model
Use mathematical models
AND thermal spikes

THERMAL NEUTRONS
(Neutrons in thermal equilibrium with the medium in which they exist.)
SF *zemach-glauber formalism*
*BT1 neutrons
RT neutron temperature
RT thermal columns
RT thermal fission
RT watt fission spectrum

thermal photography
Use infrared thermography

THERMAL POLLUTION
(Environmental temperature rise due to waste heat disposal.)
UF *pollution (thermal)*
UF+ *thermal pollution (air)*
UF+ *thermal pollution (water)*
BT1 pollution
RT environmental effects
RT plumes
RT thermal effluents
RT waste heat

thermal pollution (air)
Use air pollution
AND thermal pollution

thermal pollution (water)
Use thermal pollution
AND water pollution

THERMAL POWER PLANTS
BT1 power plants
NT1 combined-cycle power plants
NT2 mhd generator etf
NT1 fossil-fuel power plants
NT2 kingston steam plant
NT2 paradise steam plant
NT2 shawnee steam plant
NT2 widows creek steam plant
NT1 geothermal power plants
NT1 nuclear power plants
NT2 bopssar standard plant
NT2 ebasco standard plant
NT2 gibbssar standard plant
NT2 offshore nuclear power plants
NT2 swessar standard plant
NT2 underground nuclear stations
NT1 ocean thermal power plants
NT1 refuse-fueled power plants
NT1 solar thermal power plants
NT2 distributed collector power plants
NT2 tower focus power plants
NT3 barstow solar pilot plant
NT1 thermonuclear power plants
NT1 wood-fuel power plants
RT district heating
RT heat rate
RT peaking power plants

thermal properties
Use thermodynamic properties

THERMAL RADIATION
*BT1 electromagnetic radiation
RT blackbody radiation
RT heat transfer
RT infrared radiation
RT radiant heat transfer
RT rosseland approximation
RT thermodynamic properties

THERMAL REACTORS
BT1 reactors
NT1 aeg-pr-10 reactor
NT1 aerojet-general nucleonics reactors
NT1 afrri reactor
NT1 agesta reactor
NT1 ai-l-77 reactor
NT1 akr-1 reactor
NT1 alrr reactor
NT1 anex reactor
NT1 anna reactor
NT1 aps reactor
NT1 apsara reactor
NT1 aquilon reactor
NT1 arbi reactor
NT1 arbus reactor
NT1 argonaut reactor
NT1 argos reactor
NT1 armf-1 reactor
NT1 astra reactor
NT1 athene reactor
NT1 atpr reactor
NT1 atr reactor
NT1 atrc reactor
NT1 atsr reactor
NT1 atucha reactor
NT1 atucha-2 reactor
NT1 avogadro rs-1 reactor
NT1 avr reactor
NT1 bawtr reactor
NT1 beloyarsk-1 reactor

NT1 chapelcross-1 reactor
NT1 chapelcross-2 reactor
NT1 chapelcross-3 reactor
NT1 chapelcross-4 reactor
NT1 chernobylsk-1 reactor
NT1 chernobylsk-2 reactor
NT1 chernobylsk-3 reactor
NT1 chernobylsk-4 reactor
NT1 chinon-1 reactor
NT1 chinon-2 reactor
NT1 chinon-3 reactor
NT1 cirene reactor
NT1 cirus reactor
NT1 consort-2 reactor
NT1 cp-2 reactor
NT1 cp-3 reactor
NT1 cp-3m reactor
NT1 cp-5 reactor
NT1 cvtr reactor
NT1 democritus reactor
NT1 dhruva reactor
NT1 dido reactor
NT1 dimple reactor
NT1 dmtr reactor
NT1 dow triga-mk-1 reactor
NT1 dr-1 reactor
NT1 dr-2 reactor
NT1 dr-3 reactor
NT1 dragon reactor
NT1 dungeness-a reactor
NT1 dungeness-b reactor
NT1 ebor reactor
NT1 egcr reactor
NT1 el-1 reactor
NT1 el-2 reactor
NT1 el-4 reactor
NT1 eocr reactor
NT1 esada-vesr reactor
NT1 essor reactor
NT1 etr reactor
NT1 etrc reactor
NT1 etrr-2 reactor
NT1 ewg-1 reactor
NT1 fir-1 reactor
NT1 fnr reactor
NT1 fr-2 reactor
NT1 frg-1 reactor
NT1 fulton-1 reactor
NT1 fulton-2 reactor
NT1 g-1 reactor
NT1 g-2 reactor
NT1 g-3 reactor
NT1 ga siwabessy reactor
NT1 ga standard reactor
NT1 getr reactor
NT1 gharr-1 reactor
NT1 gleep reactor
NT1 hartlepool reactor
NT1 hbwr reactor
NT1 hector reactor
NT1 herald reactor
NT1 hew-305 reactor
NT1 heysham-a reactor
NT1 heysham-b reactor
NT1 hfbr reactor
NT1 hfetr reactor
NT1 hfir reactor
NT1 hfr reactor
NT1 hifar reactor
NT1 hinkley point-a reactor
NT1 hinkley point-b reactor
NT1 hitrex-1 reactor
NT1 hnpf reactor
NT1 hor reactor
NT1 htr reactor
NT1 hunterston-a reactor
NT1 hunterston-b reactor
NT1 hwctr reactor
NT1 hwzpr reactor
NT1 ian-r1 reactor
NT1 iear-1 reactor
NT1 ignalina-1 reactor
NT1 ignalina-2 reactor
NT1 igr reactor
NT1 irl reactor
NT1 irr-1 reactor
NT1 irt reactor
NT1 irt-2000 djakarta reactor
NT1 irt-2000 moscow reactor
NT1 irt-baghdad reactor
NT1 irt-c reactor
NT1 irt-f reactor
NT1 irt-sofia reactor
NT1 isis reactor
NT1 janus reactor
NT1 jatr reactor
NT1 jen reactor
NT1 jen-1 reactor
NT1 juno reactor
NT1 kamini reactor
NT1 knk reactor
NT1 kuhfr reactor
NT1 kursk-1 reactor
NT1 kursk-2 reactor
NT1 kursk-3 reactor
NT1 kursk-4 reactor
NT1 latina reactor
NT1 leningrad-1 reactor
NT1 leningrad-2 reactor
NT1 leningrad-3 reactor
NT1 leningrad-4 reactor
NT1 lfr reactor
NT1 lido reactor
NT1 litr reactor
NT1 lpr reactor
NT1 lptr reactor
NT1 lucens reactor
NT1 lvr-15 reactor
NT1 lwbr type reactors
NT1 maria reactor
NT1 marius reactor
NT1 melusine-1 reactor
NT1 merlin reactor
NT1 minerve reactor
NT1 mir reactor
NT1 mitr reactor
NT1 mrr reactor
NT1 msre reactor
NT1 mtr reactor
NT1 mzfr reactor
NT1 nbsr reactor
NT1 ncscr-1 reactor
NT1 nestor reactor
NT1 netr reactor
NT1 nevada university reactor
NT1 nhr-5 reactor
NT1 niederaichbach reactor
NT1 nora reactor
NT1 nrx reactor
NT1 ntr reactor
NT1 oldbury-a reactor
NT1 oldbury-b reactor
NT1 osiris reactor
NT1 owr reactor
NT1 pctr reactor
NT1 peach bottom-1 reactor
NT1 pegase reactor
NT1 pelinduna reactor
NT1 perryman-1 reactor
NT1 perryman-2 reactor
NT1 phebus reactor
NT1 pik physical model reactor
NT1 pik reactor
NT1 pluto reactor
NT1 pnpf reactor
NT1 prr reactor
NT1 pse reactor
NT1 pstr reactor
NT1 purnima-3 reactor
NT1 pwr type reactors
NT2 aguirre reactor
NT2 almaraz-1 reactor
NT2 almaraz-2 reactor
NT2 angra-1 reactor
NT2 angra-2 reactor
NT2 angra-3 reactor
NT2 ardennes b-1 reactor
NT2 ardennes reactor
NT2 arkansas-1 reactor
NT2 arkansas-2 reactor
NT2 asco-1 reactor
NT2 asco-2 reactor
NT2 atlantic-1 reactor
NT2 atlantic-2 reactor
NT2 basf-1 reactor
NT2 basf-2 reactor
NT2 beaver valley-1 reactor
NT2 beaver valley-2 reactor
NT2 bellefonte-1 reactor
NT2 bellefonte-2 reactor
NT2 belleville sur loire-1 reactor
NT2 belleville sur loire-2 reactor
NT2 beznau-1 reactor
NT2 beznau-2 reactor
NT2 biblis-1 reactor
NT2 biblis-2 reactor
NT2 biblis-3 reactor
NT2 biblis-4 reactor
NT2 blayais-1 reactor
NT2 blue hills-1 reactor
NT2 blue hills-2 reactor
NT2 borssele reactor
NT2 br-3 reactor
NT2 braidwood-1 reactor
NT2 braidwood-2 reactor
NT2 brokdorf reactor
NT2 bugey-2 reactor
NT2 bugey-3 reactor
NT2 bugey-4 reactor
NT2 bugey-5 reactor
NT2 bw standard reactor
NT2 byron-1 reactor
NT2 byron-2 reactor
NT2 calhoun-1 reactor
NT2 calhoun-2 reactor
NT2 callaway-1 reactor
NT2 callaway-2 reactor
NT2 calvert cliffs-1 reactor
NT2 calvert cliffs-2 reactor
NT2 catawba-1 reactor
NT2 catawba-2 reactor
NT2 cattenom-1 reactor
NT2 cattenom-2 reactor
NT2 cattenom-3 reactor
NT2 cattenom-4 reactor
NT2 ce standard reactor
NT2 cherokee-1 reactor
NT2 cherokee-2 reactor
NT2 cherokee-3 reactor
NT2 chinon-b1 reactor
NT2 comanche peak-1 reactor
NT2 comanche peak-2 reactor
NT2 connecticut yankee reactor
NT2 cook-1 reactor
NT2 cook-2 reactor
NT2 cruas-2 reactor
NT2 cruas-3 reactor
NT2 cruas-4 reactor
NT2 crystal river-3 reactor
NT2 crystal river-4 reactor
NT2 dampierre-1 reactor
NT2 dampierre-2 reactor
NT2 dampierre-3 reactor
NT2 dampierre-4 reactor
NT2 davis besse-1 reactor
NT2 davis besse-2 reactor
NT2 davis besse-3 reactor

NT2 daya bay-1 reactor
NT2 daya bay-2 reactor
NT2 diablo canyon-1 reactor
NT2 diablo canyon-2 reactor
NT2 doel-1 reactor
NT2 doel-2 reactor
NT2 doel-3 reactor
NT2 doel-4 reactor
NT2 efdr-50 reactor
NT2 emsland reactor
NT2 erie-1 reactor
NT2 erie-2 reactor
NT2 farley-1 reactor
NT2 farley-2 reactor
NT2 fessenheim-1 reactor
NT2 flamanville-1 reactor
NT2 flamanville-2 reactor
NT2 forked river-1 reactor
NT2 genkai-1 reactor
NT2 genkai-2 reactor
NT2 genkai-3 reactor
NT2 genkai-4 reactor
NT2 ginna-1 reactor
NT2 goesgen reactor
NT2 golfech-1 reactor
NT2 golfech-2 reactor
NT2 grafenrheinfeld reactor
NT2 gravelines-b1 reactor
NT2 gravelines-c6 reactor
NT2 greene county reactor
NT2 greenwood-2 reactor
NT2 greenwood-3 reactor
NT2 grohnde reactor
NT2 hamm-uentrop reactor
NT2 harris-1 reactor
NT2 harris-2 reactor
NT2 harris-3 reactor
NT2 harris-4 reactor
NT2 haven-1 reactor
NT3 koshkonong-1 reactor
NT2 haven-2 reactor
NT3 koshkonong-2 reactor
NT2 ikata reactor
NT2 ikata-2 reactor
NT2 ikata-3 reactor
NT2 indian point-1 reactor
NT2 indian point-2 reactor
NT2 indian point-3 reactor
NT2 iran-1 reactor
NT2 iran-2 reactor
NT2 isar-2 reactor
NT2 jamesport-1 reactor
NT2 jamesport-2 reactor
NT2 kewaunee reactor
NT2 koeberg-1 reactor
NT2 koeberg-2 reactor
NT2 kori-1 reactor
NT2 kori-2 reactor
NT2 kori-3 reactor
NT2 kori-4 reactor
NT2 krsko reactor
NT2 lemoniz-1 reactor
NT2 lemoniz-2 reactor
NT2 lenin reactor
NT2 leonid brezhnev reactor
NT2 lingao-1 reactor
NT2 lingao-2 reactor
NT2 loft reactor
NT2 lucie-1 reactor
NT2 lucie-2 reactor
NT2 maanshan-1 reactor
NT2 maine yankee reactor
NT2 malibu-1 reactor
NT2 marble hill-1 reactor
NT2 marble hill-2 reactor
NT2 mc guire-1 reactor
NT2 mc guire-2 reactor
NT2 mh-1a reactor
NT2 midland-1 reactor
NT2 midland-2 reactor
NT2 mihama-1 reactor
NT2 mihama-2 reactor
NT2 mihama-3 reactor
NT2 millstone-2 reactor
NT2 millstone-3 reactor
NT2 muelheim-kaerlich reactor
NT2 mutsu reactor
NT2 neckar-1 reactor
NT2 neckar-2 reactor
NT2 nep-1 reactor
NT2 nep-2 reactor
NT2 neupotz-1 reactor
NT2 neupotz-2 reactor
NT2 nogent sur seine-1 reactor
NT2 nogent sur seine-2 reactor
NT2 north anna-1 reactor
NT2 north anna-2 reactor
NT2 north anna-3 reactor
NT2 north anna-4 reactor
NT2 north coast-1 reactor
NT2 obrigheim reactor
NT2 oconee-1 reactor
NT2 oconee-2 reactor
NT2 oconee-3 reactor
NT2 oi-1 reactor
NT2 oi-2 reactor
NT2 oi-3 reactor
NT2 oi-4 reactor
NT2 oktemberyan-2 reactor
NT2 otto hahn reactor
NT2 palisades-1 reactor
NT2 palo verde-1 reactor
NT2 palo verde-2 reactor
NT2 palo verde-3 reactor
NT2 palo verde-4 reactor
NT2 palo verde-5 reactor
NT2 paluel-1 reactor
NT2 paluel-2 reactor
NT2 paluel-3 reactor
NT2 paluel-4 reactor
NT2 pat reactor
NT2 pebble springs-1 reactor
NT2 pebble springs-2 reactor
NT2 penly-1 reactor
NT2 perkins-1 reactor
NT2 perkins-2 reactor
NT2 perkins-3 reactor
NT2 philippsburg-2 reactor
NT2 pilgrim-2 reactor
NT2 pilgrim-3 reactor
NT2 pm-2a reactor
NT2 pm-3a reactor
NT2 pnpp-1 reactor
NT2 point beach-1 reactor
NT2 point beach-2 reactor
NT2 prairie island-1 reactor
NT2 prairie island-2 reactor
NT2 qinshan-1 reactor
NT2 qinshan-2-1 reactor
NT2 qinshan-2-2 reactor
NT2 quanicassee-1 reactor
NT2 quanicassee-2 reactor
NT2 rancho seco-1 reactor
NT2 remerschen reactor
NT2 rheinsberg akw1 reactor
NT2 ringhals-2 reactor
NT2 ringhals-3 reactor
NT2 ringhals-4 reactor
NT2 robinson-2 reactor
NT2 rooppur reactor
NT2 rowe yankee reactor
NT2 s1c prototype reactor
NT2 saint alban-1 reactor
NT2 saint alban-2 reactor
NT2 saint laurent-b1 reactor
NT2 salem-1 reactor
NT2 salem-2 reactor
NT2 san onofre-1 reactor
NT2 san onofre-2 reactor
NT2 san onofre-3 reactor
NT2 savannah reactor
NT2 saxton reactor
NT2 seabrook-1 reactor
NT2 seabrook-2 reactor
NT2 selni reactor
NT2 sendai-1 reactor
NT2 sendai-2 reactor
NT2 sequoyah-1 reactor
NT2 sequoyah-2 reactor
NT2 shippingport reactor
NT2 sizewell-b reactor
NT2 sm-1 reactor
NT2 sm-1a reactor
NT2 south texas project-1 reactor
NT2 south texas project-2 reactor
NT2 stade reactor
NT2 sterling-1 reactor
NT2 sterling-2 reactor
NT2 summer-1 reactor
NT2 sundesert-1 reactor
NT2 sundesert-2 reactor
NT2 surry-1 reactor
NT2 surry-2 reactor
NT2 surry-3 reactor
NT2 surry-4 reactor
NT2 takahama-1 reactor
NT2 takahama-2 reactor
NT2 takahama-3 reactor
NT2 takahama-4 reactor
NT2 three mile island-1 reactor
NT2 three mile island-2 reactor
NT2 tihange reactor
NT2 tihange-2 reactor
NT2 tihange-3 reactor
NT2 tomari-1 reactor
NT2 tomari-2 reactor
NT2 tricastin-1 reactor
NT2 tricastin-4 reactor
NT2 trillo-1 reactor
NT2 trojan reactor
NT2 tsuruga-2 reactor
NT2 turkey point-3 reactor
NT2 turkey point-4 reactor
NT2 tva-1 reactor
NT2 tva-2 reactor
NT2 tyrone-1 reactor
NT2 tyrone-2 reactor
NT2 ulchin-1 reactor
NT2 ulchin-2 reactor
NT2 ulchin-3 reactor
NT2 ulchin-4 reactor
NT2 unterweser reactor
NT2 vahnum-1 reactor
NT2 vahnum-2 reactor
NT2 vandellos-2 reactor
NT2 vogtle-1 reactor
NT2 vogtle-2 reactor
NT2 vogtle-3 reactor
NT2 vogtle-4 reactor
NT2 waterford-3 reactor
NT2 waterford-4 reactor
NT2 watts bar-1 reactor
NT2 watts bar-2 reactor
NT2 westinghouse standard reactor
NT2 wnp-1 reactor
NT2 wnp-3 reactor
NT2 wnp-4 reactor
NT2 wnp-5 reactor
NT2 wolf creek-1 reactor
NT2 wup-3 reactor
NT2 wup-4 reactor
NT2 wup-5 reactor
NT2 wup-6 reactor
NT2 wwer type reactors
NT3 armenian-1 reactor
NT3 armenian-2 reactor
NT3 balakovo-1 reactor

NT3 balakovo-2 reactor
NT3 balakovo-3 reactor
NT3 balakovo-4 reactor
NT3 blahutovice-1 reactor
NT3 bohunice v-1 reactor
NT3 bohunice v-2 reactor
NT3 dukovany-1 reactor
NT3 dukovany-2 reactor
NT3 dukovany-3 reactor
NT3 dukovany-4 reactor
NT3 greifswald-1 reactor
NT3 greifswald-2 reactor
NT3 greifswald-3 reactor
NT3 greifswald-4 reactor
NT3 greifswald-5 reactor
NT3 greifswald-6 reactor
NT3 juragua-1 reactor
NT3 kalinin-1 reactor
NT3 kalinin-3 reactor
NT3 kecerovce-1 reactor
NT3 khmelnitskij-1 reactor
NT3 kola-1 reactor
NT3 kola-2 reactor
NT3 kola-3 reactor
NT3 kola-4 reactor
NT3 kozloduy-1 reactor
NT3 kozloduy-2 reactor
NT3 kozloduy-3 reactor
NT3 kozloduy-4 reactor
NT3 kozloduy-5 reactor
NT3 kozloduy-6 reactor
NT3 loviisa-1 reactor
NT3 loviisa-2 reactor
NT3 mochovce-1 reactor
NT3 mochovce-2 reactor
NT3 novovoronezh-1 reactor
NT3 novovoronezh-2 reactor
NT3 novovoronezh-3 reactor
NT3 novovoronezh-4 reactor
NT3 novovoronezh-5 reactor
NT3 paks-1 reactor
NT3 paks-2 reactor
NT3 paks-3 reactor
NT3 paks-4 reactor
NT3 rovno-1 reactor
NT3 rovno-2 reactor
NT3 rovno-3 reactor
NT3 rovno-4 reactor
NT3 rovno-5 reactor
NT3 south ukrainian-1 reactor
NT3 south ukrainian-2 reactor
NT3 south ukrainian-3 reactor
NT3 stendal-1 reactor
NT3 tatarian reactor
NT3 temelin-1 reactor
NT3 temelin-2 reactor
NT3 tianwan-1 reactor
NT3 zaporozhe-1 reactor
NT3 zaporozhe-2 reactor
NT3 zaporozhe-3 reactor
NT3 zaporozhe-4 reactor
NT3 zaporozhe-5 reactor
NT3 zaporozhe-6 reactor
NT2 wyhl-1 reactor
NT2 wyhl-2 reactor
NT2 yellow creek-1 reactor
NT2 yellow creek-2 reactor
NT2 yonggwang-1 reactor
NT2 yonggwang-2 reactor
NT2 yonggwang-3 reactor
NT2 yonggwang-4 reactor
NT2 zion-1 reactor
NT2 zion-2 reactor
NT2 zorita-1 reactor
NT1 r-1 reactor
NT1 r-a reactor
NT1 ra-5 reactor
NT1 ra-6 reactor
NT1 ra-8 reactor
NT1 rb-1 reactor
NT1 rb-2 reactor
NT1 rg-1m reactor
NT1 ritmo reactor
NT1 rts-1 reactor
NT1 safari-1 reactor
NT1 saint laurent-1 reactor
NT1 saint laurent-2 reactor
NT1 saphir reactor
NT1 scarabee reactor
NT1 sghwr reactor
NT1 shca reactor
NT1 siloe reactor
NT1 siloette reactor
NT1 sizewell-a reactor
NT1 sm-2 reactor
NT1 smolensk-1 reactor
NT1 smolensk-2 reactor
NT1 smolensk-3 reactor
NT1 spert-1 reactor
NT1 spert-2 reactor
NT1 spert-3 reactor
NT1 spert-4 reactor
NT1 spr-2 reactor
NT1 sr-1 reactor
NT1 sr-305 reactor
NT1 sr-3p reactor
NT1 sre reactor
NT1 srrc-utr-100 reactor
NT1 stark reactor
NT1 stek reactor
NT1 stir reactor
NT1 supo reactor
NT1 sur-100 series reactor
NT1 taiwan research reactor
NT1 thermos reactor
NT1 thetis reactor
NT1 thtr-300 reactor
NT1 tokai-mura reactor
NT1 torness reactor
NT1 toshiba reactor
NT1 tr-1 reactor
NT1 tr-2 reactor
NT1 trawsfynydd reactor
NT1 treat reactor
NT1 trico reactor
NT1 triga-1-california reactor
NT1 triga-1-hanover reactor
NT1 triga-1-heidelberg reactor
NT1 triga-1-michigan reactor
NT1 triga-2 reactor
NT1 triga-2-bandung reactor
NT1 triga-2-bangladesh reactor
NT1 triga-2-dalat reactor
NT1 triga-2-illinois reactor
NT1 triga-2-kansas reactor
NT1 triga-2-ljubljana reactor
NT1 triga-2-mainz reactor
NT1 triga-2-musashi reactor
NT1 triga-2-pavia reactor
NT1 triga-2-pitesti reactor
NT1 triga-2-rikkyo reactor
NT1 triga-2-rome reactor
NT1 triga-2-seoul reactor
NT1 triga-2-vienna reactor
NT1 triga-3-munich reactor
NT1 triga-3-salazar reactor
NT1 triga-3-seoul reactor
NT1 triga-brazil reactor
NT1 triga-texas reactor
NT1 triga-veterans reactor
NT1 triton reactor
NT1 trr-1 reactor
NT1 tz1 reactor
NT1 tz2 reactor
NT1 ucbrr reactor
NT1 uftr reactor
NT1 uhtrex reactor
NT1 uknr reactor
NT1 ulysse reactor
NT1 umne-1 reactor
NT1 umrr reactor
NT1 urr reactor
NT1 utr-10-kinki reactor
NT1 utrr reactor
NT1 uvar reactor
NT1 uwnr reactor
NT1 uwtr reactor
NT1 vandellos reactor
NT1 venus reactor
NT1 vg-400 reactor
NT1 vgr-50 reactor
NT1 vhtr reactor
NT1 vidal-1 reactor
NT1 vidal-2 reactor
NT1 voronezh ast-500 reactor
NT1 vpi-utr-10 reactor
NT1 vr-1 reactor
NT1 wagr reactor
NT1 windscale production reactors
NT1 wpir reactor
NT1 wr-1 reactor
NT1 wrrr reactor
NT1 wsur reactor
NT1 wtr reactor
NT1 wwr-2 reactor
NT1 wwr-k-almaty reactor
NT1 wwr-m-kiev reactor
NT1 wwr-m-leningrad reactor
NT1 wwr-s-bucharest reactor
NT1 wwr-s-budapest reactor
NT1 wwr-s-cairo reactor
NT1 wwr-s-moscow reactor
NT1 wwr-s-prague reactor
NT1 wwr-s-tashkent reactor
NT1 wwr-sm rossendorf reactor
NT1 wwr-z reactor
NT1 wylfa reactor
NT1 x-10 reactor
NT1 zed-2 reactor
NT1 zenith reactor
NT1 zerlina reactor
NT1 zlfr reactor
NT1 zpr reactor
RT lwgr type reactors

THERMAL RECOVERY

INIS: Apr 1992; ETDE: May 1981
BT1 enhanced recovery
RT in-situ combustion
RT steam injection

THERMAL SHIELDS

BT1 shields
RT thermal insulation

THERMAL SHOCK

UF *shock (thermal)*
RT heat treatments
RT thermal cycling
RT thermal stresses

THERMAL SPIKES

UF *spikes (thermal)*
UF+ *thermal-nelson model*
RT crystal defects
RT radiation effects

THERMAL SPRINGS

INIS: Dec 1975; ETDE: Jan 1976
(Springs whose water temperature is appreciably higher than the local mean annual atmospheric temperature. A thermal spring may be a hot spring or a warm spring.)
SF *geothermal springs*
SF *thermal waters*
BT1 water springs
NT1 hot springs
NT2 geysers

NT1 warm springs
RT geothermal energy
RT geothermal fields
RT hydrothermal systems
RT mineral springs

thermal storage
Use heat storage

THERMAL STRESSES
BT1 stresses
RT thermal fractures
RT thermal fracturing
RT thermal shock
RT thermoelasticity

thermal surveys
Use temperature surveys

THERMAL TESTING
*BT1 nondestructive testing
NT1 frost tests
RT thermography

THERMAL TRANSMISSION ICES
INIS: Apr 2000; ETDE: Oct 1978
(High-quality thermal energy generated remotely and transmitted in thermal form to final cogeneration site.)
*BT1 ices program
RT cogeneration
RT district heating

THERMAL UTILIZATION
RT multiplication factors

thermal waters
See geothermal fluids
OR geysers
OR hot springs
OR thermal springs

THERMALIZATION
(Establishment of thermal equilibrium between neutrons and their surroundings.)
BT1 slowing-down

THERMIC DIODE SOLAR PANELS
INIS: Apr 2000; ETDE: Jul 1979
*BT1 passive solar heating systems
*BT1 passive solar water heaters
RT heat storage
RT solar collectors

thermionic cells
Use thermionic converters

THERMIONIC COLLECTORS
INIS: Aug 1978; ETDE: Jan 1976
RT anodes
RT thermionic converters
RT thermionic diodes

THERMIONIC CONVERSION
*BT1 direct energy conversion
RT thermionic converters
RT thermionic diodes

THERMIONIC CONVERTERS
UF *thermionic cells*
UF *thermionic generators*
BT1 direct energy converters
RT thermionic collectors
RT thermionic conversion
RT thermionic diodes
RT thermionic emitters
RT thermionic fuel elements
RT thermionic reactors
RT topaz reactor

THERMIONIC DIODES
UF *plasma diodes*
*BT1 diode tubes
*BT1 thermionic tubes
RT magnetic insulation
RT semiconductor diodes
RT thermionic collectors
RT thermionic conversion
RT thermionic converters
RT thermionic emission
RT thermionic emitters

THERMIONIC EMISSION
BT1 emission
RT electron emission
RT electron tubes
RT thermionic diodes
RT thermionic emitters

THERMIONIC EMITTERS
INIS: Jul 1978; ETDE: Jan 1976
RT cathodes
RT electron sources
RT thermionic converters
RT thermionic diodes
RT thermionic emission

THERMIONIC FUEL ELEMENTS
*BT1 fuel elements
RT thermionic converters
RT thermionic reactors

thermionic generators
Use thermionic converters

thermionic reactor critical experiments
Use thermionic reactors
AND zero power reactors

thermionic reactor experiment (trex)
Use thermionic reactors

THERMIONIC REACTORS
(Limited to reactors with in-core thermionic cells.)
UF *thermionic reactor experiment (trex)*
UF+ *in-core thermionic reactor*
UF+ *itr reactor*
UF+ *thermionic reactor critical experiments*
UF+ *trce(thermionic reactor critical experiments)*
*BT1 power reactors
RT mobile reactors
RT snap reactors
RT thermionic converters
RT thermionic fuel elements

THERMIONIC TUBES
BT1 electron tubes
NT1 thermionic diodes
RT microwave tubes

THERMIONICS
RT richardson equation
RT schottky effect

THERMISTORS
BT1 semiconductor devices
RT resistors

THERMITE PROCESS
*BT1 reduction
RT welding

THERMOACTINOMYCES
INIS: Apr 2000; ETDE: Mar 1979
*BT1 bacteria
RT enzymatic hydrolysis

THERMOCHEMICAL DIAGRAMS
INIS: Feb 1992; ETDE: Feb 1982
*BT1 diagrams
RT corrosion
RT phase studies
RT temperature dependence

THERMOCHEMICAL HEAT STORAGE
INIS: Jun 1993; ETDE: Jun 1977
(Storage of thermal energy in the heat of decomposition and recombination of reversible chemical reactions.)
UF *chemical heat storage*
*BT1 heat storage
RT chemical heat pumps
RT dissociation heat
RT formation heat
RT reaction heat
RT thermal energy storage equipment
RT thermochemical processes

THERMOCHEMICAL PROCESSES
INIS: Jan 1976; ETDE: Jan 1975
UF+ *biothermohol process*
NT1 combustion
NT2 cocombustion
NT2 fluidized-bed combustion
NT2 in-situ combustion
NT2 pulse combustion
NT2 reverse combustion
NT2 spontaneous combustion
NT2 staged combustion
NT1 gasification
NT2 biothermgas process
NT2 coal gasification
NT3 agglomerating ash process
NT3 arc coal process
NT3 babcock and wilcox-dupont process
NT3 beacon process
NT3 bgc-lurgi slagging process
NT3 bi-gas process
NT3 ce entrained fuel process
NT3 coalcon process
NT3 cogas process
NT3 combined-cycle fw process
NT3 consol synthetic gas process
NT3 cs-r process
NT3 dow gasification process
NT3 exxon gasification process
NT3 flash hydropyrolysis process
NT3 gegas process
NT3 gkt process
NT3 htw process
NT3 humboldt gasification process
NT3 hydrane process
NT3 hygas process
NT3 i g process
NT3 kbw gasification process
NT3 kellogg process
NT3 kilngas process
NT3 klockner-iron bath coal gasification process
NT3 koppers process
NT3 koppers-totzek process
NT3 krw gasification process
NT3 lurgi cfb gasification process
NT3 lurgi process
NT3 lurgi slagging process
NT3 molten iron puregas process
NT3 molten salt coal gasification process
NT3 moving-burden process
NT3 occidental flash pyrolysis process
NT3 otto rummel slag bath process
NT3 peatgas process

NT3 prenflo process
NT3 ruhr 100 gasification process
NT3 saarberg-otto gasification process
NT3 seacoke process
NT3 shell-koppers gasification process
NT3 synthane process
NT3 texaco gasification process
NT3 tosco-dyne process
NT3 toscoal process
NT3 u-gas process
NT3 wellman-galusha process
NT3 wellman-incandescent process
NT3 westinghouse gasification process
NT3 woodall-duckham process
NT2 fluidized bed refuse gasification
NT2 in-situ gasification
NT1 liquefaction
NT2 coal liquefaction
NT3 bcl process
NT3 bergius process
NT3 catalytic hydrosolvation process
NT3 cffc process
NT3 coed process
NT3 costeam process
NT3 dow liquefaction process
NT3 exxon liquefaction process
NT3 flash hydropyrolysis process
NT3 h-coal process
NT3 liquid phase methanol process
NT3 occidental flash pyrolysis process
NT3 pamco process
NT3 pyrosol process
NT3 sasol process
NT3 sasol-ii process
NT3 src-ii process
NT3 synthoil process
NT3 synthol process
NT3 tsl process
NT2 in-situ liquefaction
NT1 partial oxidation processes
NT1 pyrolysis
NT2 calcination
NT2 cracking
NT3 catalytic cracking
NT3 hydrocracking
NT3 thermal cracking
NT2 flash hydropyrolysis process
RT hydrogen production
RT thermochemical heat storage

THERMOCHROMATOGRAPHY

INIS: Jan 1977; ETDE: Apr 1977
*BT1 chromatography

THERMOCOUPLES

UF *thermopiles*
BT1 measuring instruments
RT calorimetric dosemeters
RT fission thermocouple detectors
RT reactor control systems
RT temperature measurement
RT thermoelectric generators
RT thermoelectricity

thermodiffusion

Use thermal diffusion

THERMODYNAMIC ACTIVITY

INIS: Oct 1976; ETDE: Nov 1976
(Used instead of molar fractions in non-ideal solutions.)
UF *chemical activity*
UF+ *activity coefficient*
RT chemical reactions
RT concentration ratio
RT equilibrium
RT phase studies
RT thermodynamics

THERMODYNAMIC CYCLES

UF *cycles (thermodynamic)*
NT1 absorption refrigeration cycle
NT1 bottoming cycles
NT1 brayton cycle
NT1 carnot cycle
NT1 combined cycles
NT1 ericsson cycle
NT1 lift cycles
NT2 mist-lift cycles
NT1 otto cycle
NT1 rankine cycle
NT1 stirling cycle
NT1 vuilleumier cycle
RT binary-fluid systems
RT flashed steam systems
RT heat engines
RT thermodynamics
RT topping cycles
RT total flow systems

THERMODYNAMIC MODEL

*BT1 particle models
*BT1 statistical models
NT1 hydrodynamic model

THERMODYNAMIC MOLECULAR MODEL

*BT1 molecular models

THERMODYNAMIC PROPERTIES

UF *heat transfer properties*
UF *thermal properties*
BT1 physical properties
NT1 critical pressure
NT1 enthalpy
NT2 absorption heat
NT2 adsorption heat
NT2 mixing heat
NT2 reaction heat
NT3 combustion heat
NT3 dissociation heat
NT3 formation heat
NT2 solution heat
NT2 transition heat
NT3 fusion heat
NT3 sublimation heat
NT3 vaporization heat
NT1 entropy
NT1 free energy
NT2 formation free energy
NT2 surface energy
NT1 free enthalpy
NT2 formation free enthalpy
NT2 oxygen potential
NT1 partial pressure
NT1 specific heat
NT2 electronic specific heat
NT2 magnetic specific heat
NT2 nuclear specific heat
NT1 stored energy
NT1 thermal conductivity
NT1 thermal diffusivity
NT1 transition temperature
NT2 boiling points
NT2 critical temperature
NT2 curie point
NT2 dew point
NT2 lambda point
NT2 melting points
NT2 neel temperature
NT1 vapor pressure
RT apparent molal volume
RT combustion properties
RT limiting values
RT partial molal volume
RT prandtl number
RT thermal equilibrium
RT thermal expansion
RT thermal radiation
RT thermodynamics

THERMODYNAMICS

(From September 1978 to March 1997 JOULE-THOMSON EFFECT was a valid ETDE descriptor.)
SF *joule-thomson effect*
RT adiabatic processes
RT brayton cycle
RT carnot cycle
RT coefficient of performance
RT degrees of freedom
RT energy
RT enthalpy
RT entropy
RT equations of state
RT ericsson cycle
RT exergy
RT heat sinks
RT heat transfer
RT irreversible processes
RT isentropic processes
RT isothermal processes
RT khalatnikov theory
RT lte
RT mollier diagrams
RT nernst heat theorem
RT onsager relations
RT partition functions
RT physical metallurgy
RT planck radiation formula
RT rankine cycle
RT saha equation
RT steam quality
RT stirling cycle
RT thermal efficiency
RT thermal hydraulics
RT thermodynamic activity
RT thermodynamic cycles
RT thermodynamic properties
RT virial equation
RT wigner distribution

THERMOELASTICITY

INIS: Feb 1979; ETDE: Apr 1977
(Dependence of the stress distribution of an elastic solid on its thermal state, or of its thermal conductivity on the stress distribution.)
*BT1 elasticity
RT bowing
RT stresses
RT temperature dependence
RT thermal conductivity
RT thermal expansion
RT thermal stresses

thermoelectric cells

Use thermoelectric generators

THERMOELECTRIC CONVERSION

*BT1 direct energy conversion
RT thermal batteries
RT thermoelectric generators
RT thermoelectric heaters
RT thermoelectric refrigerators

thermoelectric converters

Use thermoelectric generators

THERMOELECTRIC COOLERS

INIS: Apr 1984; ETDE: Nov 1976
(Until May 1999 this information was indexed by THERMOELECTRIC REFRIGERATORS.)
RT thermoelectric refrigerators

THERMOELECTRIC GENERATORS
UF *thermoelectric cells*
UF *thermoelectric converters*
BT1 direct energy converters
RT radioisotope batteries
RT radioisotope heat sources
RT thermocouples
RT thermoelectric conversion
RT thermoelectric materials
RT thermoelectricity

thermoelectric heat pumps
See thermoelectric heaters
OR thermoelectric refrigerators

THERMOELECTRIC HEATERS
INIS: Apr 2000; ETDE: Nov 1976
SF *thermoelectric heat pumps*
BT1 direct energy converters
BT1 heaters
RT thermoelectric conversion

THERMOELECTRIC MATERIALS
INIS: Jan 1993; ETDE: Jan 1975
BT1 materials
RT semiconductor materials
RT thermoelectric generators
RT thermoelectricity

THERMOELECTRIC PROPERTIES
*BT1 electrical properties

THERMOELECTRIC REACTORS
INIS: Jun 1992; ETDE: Jun 1986
*BT1 power reactors

THERMOELECTRIC REFRIGERATORS
INIS: Apr 1980; ETDE: Nov 1976
SF *thermoelectric heat pumps*
BT1 direct energy converters
BT1 refrigerators
RT thermoelectric conversion
RT thermoelectric coolers

THERMOELECTRICITY
BT1 electricity
RT seebeck effect
RT thermocouples
RT thermoelectric generators
RT thermoelectric materials

THERMOGRAPHY
INIS: Jul 1978; ETDE: Sep 1978
(Technique employing heat transfer transients.)
BT1 measuring methods
NT1 infrared thermography
RT infrared radiation
RT remote sensing
RT temperature measurement
RT thermal testing

thermogravimetric analysis
Use thermal gravimetric analysis

thermogravimetry
Use thermal gravimetric analysis

thermohydraulics
Use thermal hydraulics

THERMOLUMINESCENCE
*BT1 luminescence
NT1 radiothermoluminescence
RT thermoluminescent dosemeters

THERMOLUMINESCENT DOSEMETERS
UF *tld (dosemeters)*
UF *tld systems*
*BT1 luminescent dosemeters
RT calcium fluorides
RT calcium sulfates
RT lithium fluorides
RT personnel dosimetry
RT thermoluminescence
RT thermoluminescent dosimetry

THERMOLUMINESCENT DOSIMETRY
UF *tld (dosimetry)*
BT1 dosimetry
RT thermoluminescent dosemeters

THERMOMAGNETIC CONVERSION
*BT1 direct energy conversion

THERMOMAGNETISM
BT1 magnetism

THERMOMECHANICAL TREATMENTS
INIS: Apr 1992; ETDE: Nov 1982
(Combination of material-forming processes with heat treatments in order to obtain specific material properties.)
BT1 heat treatments
*BT1 materials working

THERMOMETERS
BT1 measuring instruments
NT1 geothermometers
NT1 noise thermometers
RT bolometers
RT temperature measurement

THERMOMETRIC TITRATION
INIS: Apr 2000; ETDE: Apr 1975
*BT1 titration

THERMONUCLEAR DEVICES
(From January 1975 till June 1991 HARMONICA DEVICES was a valid ETDE descriptor.)
UF *harmonica devices*
NT1 closed plasma devices
NT2 astron
NT2 blascon devices
NT2 compact torus
NT3 field-reversed theta pinch devices
NT3 rotamak devices
NT2 heliotron
NT2 internal ring devices
NT3 fm devices
NT3 levitron devices
NT3 lm devices
NT3 spherator
NT3 tokapole devices
NT3 tornado devices
NT2 lhd device
NT2 stellarators
NT3 cleo stellarator
NT3 heliac stellarators
NT4 h-1 heliac
NT4 hsx stellarator
NT4 sheila heliac
NT4 tj-ii heliac
NT3 heliotron-e stellarator
NT3 ims stellarator
NT3 jipp stellarator
NT3 jippt-2 device
NT3 l-2 stellarator
NT3 proto-cleo stellarators
NT3 sirius device
NT3 stellarator model c
NT3 torsatron stellarators
NT4 atf torsatron
NT4 chs torsatron
NT4 tj-iu torsatron
NT4 vint torsatron
NT3 uragan stellarator
NT3 wega stellarator
NT3 wendelstein-2b stellarator
NT3 wendelstein-7 stellarator
NT2 tokamak devices
NT3 act devices
NT3 aditya tokamak
NT3 alcator device
NT3 asdex tokamak
NT3 atc devices
NT3 castor tokamak
NT3 columbia high-beta tokamak
NT3 compact ignition tokamak
NT3 compass-d tokamak
NT3 continuous current tokamak
NT3 ct-6b tokamak
NT3 dante tokamak
NT3 dite tokamak
NT3 doublet-2 device
NT3 doublet-3 device
NT3 etf tokamak
NT3 ft tokamak
NT3 hl-1 tokamak
NT3 hl-1m tokamak
NT3 hl-2 tokamak
NT3 hl-2a tokamak
NT3 ht-2 tokamak
NT3 ht-6b tokamak
NT3 ht-6m tokamak
NT3 ht-7 tokamak
NT3 ht-7u tokamak
NT3 hybtok tokamaks
NT3 ignition spherical torus
NT3 intor tokamak
NT3 isttok tokamak
NT3 isx tokamak
NT3 iter tokamak
NT3 jet tokamak
NT3 jft-2 tokamak
NT3 jft-2a tokamak
NT3 jft-2m tokamak
NT3 jippt-2 device
NT3 jt-60 tokamak
NT3 jt-60u tokamak
NT3 jxfr tokamak
NT3 kt-2 tokamak
NT3 lt-3 tokamak
NT3 lt-4 tokamak
NT3 mt-1 tokamak
NT3 mtx tokamak
NT3 net tokamak
NT3 ormak devices
NT3 pbx devices
NT3 pdx devices
NT3 petula tokamak
NT3 phaedrus-t tokamak
NT3 plt devices
NT3 pulsator devices
NT3 rtp tokamak
NT3 sinp tokamak
NT3 spheromak devices
NT4 cdx-u spheromak
NT4 ctx spheromak
NT4 globus-m spheromak
NT4 mast tokamak
NT4 nstx device
NT4 sspx device
NT4 ts-3 device
NT3 st tokamak
NT3 starfire tokamak
NT3 start tokamak
NT3 stor-m tokamak
NT3 stx devices

NT3 surmac tokamak
NT3 t-10 tokamak
NT3 t-14 tokamak
NT3 t-15 tokamak
NT3 t-7 tokamak
NT3 tbr tokamak
NT3 tca tokamak
NT3 tcv tokamak
NT3 text devices
NT3 textor tokamak
NT3 tfr tokamak
NT3 tftr tokamak
NT3 tiber-x tokamak
NT3 tj-1 tokamak
NT3 tnt-a tokamak
NT3 tokapole devices
NT3 tokoloshe tokamak
NT3 tore supra tokamak
NT3 tormac devices
NT3 tortus tokamak
NT3 torus-ii tokamak
NT3 tosca tokamak
NT3 tpx device
NT3 triam-1 tokamak
NT3 tuman devices
NT3 two-component torus
NT3 uwmak devices
NT3 varennes tokamak
NT3 versator tokamak
NT3 wt-3 tokamak
NT2 toroidal pinch devices
NT3 reversed-field pinch devices
NT4 artemis device
NT4 extrap-t2 device
NT4 hbtx devices
NT4 mst device
NT4 rfx device
NT4 tpe-1rm15 device
NT4 tpe-rx device
NT4 zt-40 devices
NT4 zt-p devices
NT3 tlp devices
NT4 zeta devices
NT3 toroidal screw pinch devices
NT4 stp-3m device
NT4 tpe-2 device
NT3 toroidal theta pinch devices
NT4 scyllac devices
NT1 icf devices
NT2 angara-5 device
NT1 migma devices
NT1 open plasma devices
NT2 baseball devices
NT2 linear pinch devices
NT3 linear hard core pinch devices
NT3 linear screw pinch devices
NT3 linear theta pinch devices
NT4 isar devices
NT4 scylla devices
NT3 linear z pinch devices
NT2 magnetic mirrors
NT3 2x devices
NT3 alice
NT3 beta ii devices
NT3 bumpy tori
NT4 elmo bumpy torus
NT3 burnout devices
NT3 circe devices
NT3 deca devices
NT3 elmo devices
NT4 elmo bumpy torus
NT3 gol-3 device
NT3 imp device
NT3 mftf devices
NT3 ogra
NT3 phoenix devices
NT3 pleiade device
NT3 reversed-field mirrors
NT3 tandem mirrors
NT4 gamma 10 devices
NT4 phaedrus mirror devices
NT4 tara devices
NT4 tmx devices
NT2 plasma focus devices
NT3 pf-1000 device
NT2 q devices
NT3 helios devices
NT3 qp devices
NT1 pinch devices
NT2 field-reversed theta pinch devices
NT2 linear pinch devices
NT3 linear hard core pinch devices
NT3 linear screw pinch devices
NT3 linear theta pinch devices
NT4 isar devices
NT4 scylla devices
NT3 linear z pinch devices
NT2 toroidal pinch devices
NT3 reversed-field pinch devices
NT4 artemis device
NT4 extrap-t2 device
NT4 hbtx devices
NT4 mst device
NT4 rfx device
NT4 tpe-1rm15 device
NT4 tpe-rx device
NT4 zt-40 devices
NT4 zt-p devices
NT3 tlp devices
NT4 zeta devices
NT3 toroidal screw pinch devices
NT4 stp-3m device
NT4 tpe-2 device
NT3 toroidal theta pinch devices
NT4 scyllac devices
NT1 vintotron devices
RT beam injection
RT breeding blankets
RT confinement time
RT d-t operation
RT discharge quenching
RT lawson criterion
RT limiters
RT magnetic field configurations
RT mass balance
RT plasma heating
RT plasma production
RT rotational transform
RT thermonuclear reactors
RT tritium recovery

THERMONUCLEAR EXPLOSIONS

UF+ *bravo event*
UF+ *mike event*
UF+ *schooner event*
*BT1 nuclear explosions
RT castle project
RT thermonuclear reactions

THERMONUCLEAR FUELS

UF *fusion fuels*
UF *reactor fuels (fusion)*
BT1 fuels
RT d-t operation
RT deuterium
RT electron beam targets
RT fuel feeding systems
RT fusion yield
RT gas injection
RT ion beam targets
RT laser targets
RT particle influx
RT pellet injection
RT recycling
RT thermonuclear reactor fueling
RT tritium
RT tritium systems test assembly

THERMONUCLEAR IGNITION

UF *ignition (thermonuclear)*
UF *reactor start-up (thermonuclear ignition)*
RT compact ignition tokamak
RT reactor start-up
RT thermonuclear reactors
RT tiber-x tokamak

thermonuclear implosions (laser)

Use laser implosions

THERMONUCLEAR POWER PLANTS

INIS: Apr 1979; ETDE: Aug 1978
*BT1 thermal power plants
RT nuclear power plants
RT thermonuclear reactors

THERMONUCLEAR REACTIONS

(Exoenergetic fusion reactions between light nuclei; are always accompanied by release of the excess binding energy.)
UF *fusion (nuclear)*
UF *fusion reactions (exoenergetic)*
UF *fusion reactions (thermonuclear)*
SF *fusion reactions*
SF *sherwood project*
BT1 nuclear reactions
*BT1 nucleosynthesis
NT1 impact fusion
NT1 muon-catalyzed fusion
RT chain reactions
RT cold fusion
RT fusion yield
RT heavy ion fusion reactions
RT helium ash
RT thermonuclear explosions

THERMONUCLEAR REACTOR COOLING SYSTEMS

INIS: Jul 1976; ETDE: Jan 1975
UF *cooling systems (fusion reactor)*
UF *reactor cooling systems (fusion)*
*BT1 cooling systems
RT heat transfer
RT thermonuclear reactors

THERMONUCLEAR REACTOR FUELING

INIS: Nov 1982; ETDE: Feb 1989
UF *charging (fusion reactor)*
UF *reactor fueling (fusion reactors)*
RT fuel feeding systems
RT gas injection
RT pellet injection
RT thermonuclear fuels
RT thermonuclear reactors
RT tritium systems test assembly

THERMONUCLEAR REACTOR MATERIALS

(To be assigned in conjunction with the specific descriptor for the material used.)
UF *fusion-reactor materials*
UF *reactor materials (fusion reactors)*
BT1 materials
RT fmit linac
RT thermonuclear reactors

THERMONUCLEAR REACTOR WALLS

UF *walls (thermonuclear reactor)*
NT1 first wall
RT flibe
RT thermonuclear reactors

THERMONUCLEAR REACTORS
(For conceptual design studies; coordinate with descriptor for existing thermonuclear device if appropriate.)
UF *fusion energy*
UF *fusion reactors*
NT1 d-d reactors
NT1 d-he reactors
NT1 d-t reactors
NT2 pulsed d-t reactors
NT3 reference theta pinch reactor
NT2 steady-state d-t reactors
NT1 electron beam fusion reactors
NT1 ion beam fusion reactors
NT1 laser fusion reactors
NT2 cascade reactors
NT2 hylife converter
NT1 linear pinch type reactors
NT1 linus reactors
NT1 magnetic mirror type reactors
NT2 mars reactor
NT2 minimars reactor
NT2 tmr reactors
NT1 pulsed fusion reactors
NT2 pulsed d-t reactors
NT3 reference theta pinch reactor
NT1 steady-state fusion reactors
NT2 steady-state d-t reactors
NT1 stellarator type reactors
NT1 tokamak type reactors
NT2 compact ignition tokamak
NT2 doublet reactors
NT2 iter tokamak
NT2 tentok reactors
NT2 tfcx reactors
NT2 tns reactors
RT breakeven
RT breeding pellets
RT confinement time
RT felix facility
RT fuel injection systems
RT fusion yield
RT hybrid reactors
RT hybrid systems
RT mass balance
RT power
RT thermonuclear devices
RT thermonuclear ignition
RT thermonuclear power plants
RT thermonuclear reactor cooling systems
RT thermonuclear reactor fueling
RT thermonuclear reactor materials
RT thermonuclear reactor walls
RT tritium recovery

thermonuclear weapons
Use nuclear weapons

THERMOPHILIC CONDITIONS
INIS: Mar 1992; ETDE: May 1977
(Temperature range centered at 70 degrees C favoring the growth of certain bacteria.)
RT anaerobic digestion
RT fermentation
RT mesophilic conditions

THERMOPHORESIS
INIS: Sep 1986; ETDE: May 1980
(A process in which particles migrate in a gas under the influence of forces created by a temperature gradient.)
RT electrophoresis

THERMOPHOTOVOLTAIC CONVERSION
INIS: Apr 2000; ETDE: Jan 1975
*BT1 direct energy conversion
RT photovoltaic conversion
RT thermophotovoltaic converters

THERMOPHOTOVOLTAIC CONVERTERS
INIS: Aug 1999; ETDE: Jan 1975
BT1 direct energy converters
RT photovoltaic cells
RT thermophotovoltaic conversion

thermopiles
Use thermocouples

THERMOPLASTICS
*BT1 plastics

THERMOREGULATION
INIS: Apr 1984; ETDE: Jul 1977
(Mechanism by which mammals and birds attempt to balance heat gain and heat loss in order to maintain a constant body temperature when exposed to variations in temperature of the surroundings. Until April 1999 this concept was indexed by BODY TEMPERATURE and TEMPERATURE CONTROL.)
RT body temperature
RT metabolism
RT physiology

THERMOS REACTOR
INIS: Feb 1979; ETDE: Mar 1979
*BT1 process heat reactors
*BT1 tank type reactors
*BT1 thermal reactors

THERMOSPHERE
BT1 earth atmosphere

THERMOSTATS
*BT1 control equipment
NT1 cryostats
RT temperature control

THERMOSYPHON EFFECT
INIS: Feb 1993; ETDE: Jul 1977
(The flow of fluid due to the density differential created by temperature gradients.)
*BT1 convection
RT circulating systems
RT passive solar water heaters
RT self-pumping systems

THERMOSYPHONS
INIS: Jun 1983; ETDE: Apr 1979
(Systems of natural circulation in a fluid caused by the difference between hot and cold portions.)
RT heat transfer
RT natural convection

thermox process
Use reprocessing

thesauri
Use standardized terminology

theta-1640 resonances
Use f2-1720 mesons

theta-1690 resonances
Use f2-1720 mesons

THETA PINCH
BT1 pinch effect
RT linear theta pinch devices
RT reference theta pinch reactor
RT toroidal theta pinch devices

THETIS REACTOR
(University Gent, Institute for Nuclear Sciences, Pietersnieuwstraat, Belgium)
UF *iisnr reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

thf
Use tetrahydrofuran

THIADIAZOLES
(Compounds that contain a five-membered heterocyclic ring containing one sulfur and two nitrogen atoms.)
*BT1 azoles
*BT1 organic sulfur compounds

THIAMINE
UF *vitamin b-1*
*BT1 amines
*BT1 hydroxy compounds
*BT1 pyrimidines
*BT1 thiazoles
*BT1 vitamin b group

THIAZOLES
(Compounds that contain a five-membered heterocyclic ring containing one sulfur and one nitrogen atom.)
UF *thiazolidines*
*BT1 azoles
*BT1 organic sulfur compounds
NT1 benzothiazoles
NT1 saccharin
NT1 thiamine

thiazolidines
Use thiazoles

THICKNESS
(Index only if essential.)
BT1 dimensions
RT distance
RT half-thickness
RT radiation length
RT shielding
RT size

THICKNESS GAGES
BT1 measuring instruments
RT radiometric gages

thielavia
Use eumycota

THIN FILM STORAGE DEVICES
BT1 memory devices

THIN FILMS
INIS: Dec 1983; ETDE: Nov 1982
(Films a few molecules thick deposited on a substrate.)
UF+ *ebd films*
UF+ *energy beam deposition films*
BT1 films
RT coatings
RT deposition
RT substrates

THIN-LAYER CHROMATOGRAPHY
*BT1 chromatography

thio compounds
Use organic sulfur compounds

thioalcohols
Use thiols

THIOBACILLUS FERROXIDANS
*BT1 bacillus
*BT1 sulfur-oxidizing bacteria

RT leaching
RT oxidation
RT uranium ores

THIOBACILLUS OXIDANS
*BT1 bacillus
*BT1 sulfur-oxidizing bacteria
RT desulfurization
RT leaching
RT ore processing
RT oxidation

thiocarbamides
Use thioureas

THIOCTIC ACID
UF *lipoic acid (alpha)*
*BT1 disulfides
*BT1 heterocyclic acids
*BT1 lipotropic factors

THIOCYANATES
UF *rhodanates*
UF *rhodanides*
UF *sulfocyanides*
UF *thiocyanides*
*BT1 antithyroid drugs
*BT1 carbonic acid derivatives
*BT1 organic sulfur compounds
NT1 ammonium thiocyanates
RT isothiocyanates
RT thiocyanic acid

THIOCYANIC ACID
RT thiocyanates

thiocyanides
Use thiocyanates

thioethers
Use organic sulfur compounds

thioglycolicaminonaphthalide
Use thionalide

THIOIC ACIDS
*BT1 organic acids
*BT1 organic sulfur compounds
RT cystaphos

THIOLS
UF *mercaptans*
UF *sulfhydryl compounds*
UF *thioalcohols*
*BT1 organic sulfur compounds
NT1 cysteine
NT1 dithiols
NT2 bal
NT2 unithiol
NT1 malathion
NT1 mea
NT1 meg
NT1 mercaptopurine
NT1 mpg
NT1 penicillamine
NT1 thionalide
NT1 thiouracil

THIONALIDE
UF *thioglycolicaminonaphthalide*
*BT1 amides
BT1 reagents
*BT1 thiols
RT glycolic acid

THIONAPHTHENES
UF *benzothiophenes*
*BT1 heterocyclic compounds
*BT1 organic sulfur compounds
RT polycyclic sulfur heterocycles

THIONATES
*BT1 organic sulfur compounds

THIONINE
*BT1 amines
*BT1 heterocyclic compounds
*BT1 organic nitrogen compounds
*BT1 organic sulfur compounds
RT phenothiazines

THIONYL CHLORIDES
INIS: Apr 2000; ETDE: Jun 1985
*BT1 chlorides
*BT1 organic sulfur compounds

thiopental
Use barbiturates
AND organic sulfur compounds

THIOPHENE
*BT1 heterocyclic compounds
*BT1 organic sulfur compounds
RT polycyclic sulfur heterocycles
RT tta

thiophenes
Use polycyclic sulfur heterocycles

THIOPHENOLS
*BT1 organic sulfur compounds

thiophosgene
Use organic chlorine compounds
AND organic sulfur compounds

THIOPHOSPHORIC ACID ESTERS
*BT1 esters
NT1 cystaphos
NT1 gammaphos
NT1 parathion
RT organic phosphorus compounds
RT organic sulfur compounds

THIOSORBIC PROCESS
INIS: Apr 2000; ETDE: Aug 1977
(Sulfur dioxide converts magnesium sulfite to bisulfite in the scrubber, which is regenerated to soluble magnesium sulfite and precipitated calcium sulfite.)
*BT1 desulfurization
RT scrubbers
RT waste processing

THIOSULFATES
RT sulfates

THIOURACIL
*BT1 antimetabolites
*BT1 antithyroid drugs
*BT1 thiols
*BT1 uracils

THIOUREA
*BT1 antithyroid drugs
*BT1 thioureas

THIOUREAS
UF *thiocarbamides*
*BT1 carbonic acid derivatives
*BT1 organic sulfur compounds
NT1 aet
NT1 thiourea
RT amides

third-harmonic generation
Use harmonic generation

third party liability convention, brussels
Use bcstpc

third party liability convention, paris
Use pcotpl

THIRD SOUND
RT sound waves
RT superfluidity

THIRRING MODEL
RT merons
RT quantum field theory

THIXOTROPY
INIS: Jul 1992; ETDE: Jul 1976
(Property of certain gels which liquefy when subjected to vibratory forces.)
RT gels
RT plasticity
RT rheology
RT stability
RT viscosity

THIYL RADICALS
(For RS- radicals where R is organic component.)
BT1 radicals

thomas-fermi-dirac model
Use thomas-fermi model

THOMAS-FERMI MODEL
UF *fermi-thomas model*
UF *thomas-fermi-dirac model*
*BT1 atomic models
RT nuclear models

thomas jefferson national accelerator facility
Use cebaf accelerator

thomason collectors
Use trickle-type collectors

THOMSON SCATTERING
*BT1 inelastic scattering

THOR REACTOR
(Hsin-Chu, Taiwan)
UF *topr reactor*
*BT1 enriched uranium reactors
*BT1 intermediate reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 training reactors

thoracic duct
Use lymph vessels

thorax
Use chest

THOREX PROCESS
*BT1 reprocessing
RT solvent extraction

THORIANITE
*BT1 oxide minerals
*BT1 thorium minerals
*BT1 uranium minerals
RT black sands
RT thorium oxides
RT uranium oxides

THORIN
BT1 arsenic compounds
*BT1 diazo compounds
*BT1 naphthols
BT1 reagents
*BT1 sulfonic acids

THORITE
*BT1 silicate minerals
*BT1 thorium minerals
NT1 jiningite
RT black sands
RT thorium silicates

THORIUM
*BT1 actinides
NT1 thorium-alpha
NT1 thorium-beta
RT natural radioactivity

THORIUM 212
INIS: Sep 1979; ETDE: Oct 1979
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 milliseconds living radioisotopes
*BT1 thorium isotopes

THORIUM 213
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 milliseconds living radioisotopes
*BT1 thorium isotopes

THORIUM 214
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 milliseconds living radioisotopes
*BT1 thorium isotopes

THORIUM 215
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 seconds living radioisotopes
*BT1 thorium isotopes

THORIUM 216
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 milliseconds living radioisotopes
*BT1 thorium isotopes

THORIUM 217
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 microseconds living radioisotopes
*BT1 thorium isotopes

THORIUM 218
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 nanoseconds living radioisotopes
*BT1 thorium isotopes

THORIUM 219
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 microseconds living radioisotopes
*BT1 thorium isotopes

THORIUM 220
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 microseconds living radioisotopes
*BT1 thorium isotopes

THORIUM 221
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 milliseconds living radioisotopes
*BT1 thorium isotopes

THORIUM 222
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 milliseconds living radioisotopes
*BT1 thorium isotopes

THORIUM 223
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 milliseconds living radioisotopes
*BT1 seconds living radioisotopes
*BT1 thorium isotopes

THORIUM 224
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 seconds living radioisotopes
*BT1 thorium isotopes

THORIUM 225
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 thorium isotopes

THORIUM 226
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
*BT1 thorium isotopes

THORIUM 227
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 thorium isotopes

THORIUM 228
UF *radiothorium*
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 thorium isotopes
*BT1 years living radioisotopes

THORIUM 228 TARGET
INIS: Oct 1986; ETDE: Sep 1984
BT1 targets

THORIUM 229
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 thorium isotopes
*BT1 years living radioisotopes

THORIUM 229 TARGET
BT1 targets

THORIUM 230
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 neon 24 decay radioisotopes
*BT1 spontaneous fission radioisotopes
*BT1 thorium isotopes
*BT1 years living radioisotopes

THORIUM 230 TARGET
BT1 targets

THORIUM 231
UF *uranium x 2*
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 thorium isotopes

THORIUM 231 TARGET
INIS: Nov 1977; ETDE: Mar 1978
BT1 targets

THORIUM 232
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 spontaneous fission radioisotopes
*BT1 thorium isotopes
*BT1 years living radioisotopes
RT thorium cycle

THORIUM 232 REACTIONS
INIS: Aug 1987; ETDE: Oct 1987
*BT1 heavy ion reactions

THORIUM 232 TARGET
BT1 targets

THORIUM 233
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 thorium isotopes

THORIUM 233 TARGET
INIS: Nov 1977; ETDE: Mar 1978
BT1 targets

THORIUM 234
UF *uranium x 1*
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 internal conversion radioisotopes
*BT1 thorium isotopes

THORIUM 234 TARGET
INIS: Sep 1992; ETDE: Sep 1984
BT1 targets

THORIUM 235
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 thorium isotopes

THORIUM 236
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
*BT1 thorium isotopes

THORIUM 237
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 thorium isotopes

THORIUM 238
INIS: Dec 1980; ETDE: Jan 1981
*BT1 actinide nuclei
*BT1 even-even nuclei
*BT1 thorium isotopes

THORIUM 238 TARGET
INIS: Sep 1992; ETDE: Jun 1980
BT1 targets

THORIUM 239 TARGET
BT1 targets

thorium a
Use polonium 216

THORIUM ADDITIONS
(Alloys containing not more than 1% Th are listed here.)
*BT1 thorium alloys

THORIUM ALLOYS
(Alloys containing more than 1% Th.)
*BT1 actinide alloys
NT1 magnesium alloy-hk31a
NT1 thorium additions
NT1 thorium base alloys

THORIUM-ALPHA
*BT1 thorium

THORIUM ARSENIDES
INIS: Dec 1980; ETDE: Aug 1976
*BT1 arsenides
*BT1 thorium compounds

thorium b
Use lead 212

THORIUM BASE ALLOYS
*BT1 thorium alloys

THORIUM-BETA
*BT1 thorium

THORIUM BORIDES
*BT1 borides
*BT1 thorium compounds

THORIUM BROMIDES
*BT1 bromides
*BT1 thorium compounds

thorium c
Use bismuth 212

thorium c/
Use polonium 212

thorium c//
Use thallium 208

THORIUM CARBIDES
*BT1 carbides
*BT1 thorium compounds

THORIUM CARBONATES
*BT1 carbonates
*BT1 thorium compounds

THORIUM CHLORIDES
*BT1 chlorides
*BT1 thorium compounds

THORIUM COMPLEXES
*BT1 actinide complexes

THORIUM COMPOUNDS
UF+ *thorium perchlorates*
UF+ *thorium tungstates*
BT1 actinide compounds
NT1 thorium arsenides
NT1 thorium borides
NT1 thorium bromides
NT1 thorium carbides
NT1 thorium carbonates
NT1 thorium chlorides
NT1 thorium fluorides
NT1 thorium hydrides
NT1 thorium hydroxides
NT1 thorium iodides
NT1 thorium nitrates
NT1 thorium nitrides
NT1 thorium oxides
NT2 thorotrast
NT1 thorium phosphates
NT1 thorium phosphides
NT1 thorium selenides
NT1 thorium silicates
NT1 thorium silicides
NT1 thorium sulfates
NT1 thorium sulfides
NT1 thorium tellurides

THORIUM CYCLE
INIS: Feb 1978; ETDE: Sep 1977
(Use of thorium as the fertile material in reactor fuels.)
BT1 fuel cycle
RT nuclear fuels
RT thorium 232

thorium d
Use lead 208

THORIUM DEPOSITS
INIS: May 1986; ETDE: Nov 1986
BT1 geologic deposits
RT thorium ores

THORIUM FLUORIDES
*BT1 fluorides
*BT1 thorium compounds

thorium-hochtemperatur prototype reactor
Use thtr-300 reactor

THORIUM HYDRIDES
*BT1 hydrides
*BT1 thorium compounds

THORIUM HYDROXIDES
*BT1 hydroxides
*BT1 thorium compounds

THORIUM IODIDES
*BT1 iodides
*BT1 thorium compounds

THORIUM IONS
*BT1 ions

THORIUM ISOTOPES
BT1 isotopes
NT1 thorium 212
NT1 thorium 213
NT1 thorium 214
NT1 thorium 215
NT1 thorium 216
NT1 thorium 217
NT1 thorium 218
NT1 thorium 219
NT1 thorium 220
NT1 thorium 221
NT1 thorium 222
NT1 thorium 223
NT1 thorium 224
NT1 thorium 225
NT1 thorium 226
NT1 thorium 227
NT1 thorium 228
NT1 thorium 229
NT1 thorium 230
NT1 thorium 231
NT1 thorium 232
NT1 thorium 233
NT1 thorium 234
NT1 thorium 235
NT1 thorium 236
NT1 thorium 237
NT1 thorium 238

THORIUM MINERALS
UF+ *aeschynite*
UF+ *cerianite*
UF+ *huttonite*
UF+ *steenstrupine*
UF+ *thorogummite*
UF+ *uranothorianite*
UF+ *yttrialite*
*BT1 radioactive minerals
NT1 allanite
NT1 bastnaesite
NT1 brannerite
NT1 ekanite
NT1 freyalite
NT1 hydrothorite
NT1 lodochnikite
NT1 lyndochite
NT1 mackintoshite
NT1 maitlandite
NT1 monazites
NT1 naegite
NT1 thorianite
NT1 thorite
NT2 jiningite
NT1 thucholite
NT1 uranothorite
RT thorium oxides
RT thorium phosphates
RT thorium silicates

THORIUM NITRATES
*BT1 nitrates
*BT1 thorium compounds

THORIUM NITRIDES
*BT1 nitrides
*BT1 thorium compounds

THORIUM ORES
BT1 ores
RT thorium deposits
RT thorium reserves

THORIUM OXIDES
*BT1 oxides
*BT1 thorium compounds
NT1 thorotrast
RT bastnaesite
RT brannerite
RT lodochnikite
RT lyndochite
RT naegite
RT oxide minerals
RT td-nickel
RT td-nickel chromium
RT thorianite
RT thorium minerals

thorium perchlorates
Use perchlorates
AND thorium compounds

THORIUM PHOSPHATES
*BT1 phosphates
*BT1 thorium compounds
RT monazites
RT thorium minerals

THORIUM PHOSPHIDES
*BT1 phosphides
*BT1 thorium compounds

THORIUM REACTORS
BT1 reactors
NT1 avr reactor
NT1 borax-4 reactor
NT1 dragon reactor

NT1 err reactor
NT1 sre reactor
NT1 thtr-300 reactor
RT iea-zpr reactor
RT zenith reactor

THORIUM RESERVES
INIS: May 1986; ETDE: Apr 1976
*BT1 reserves
RT thorium ores

THORIUM SELENIDES
INIS: Oct 1975; ETDE: Jan 1975
*BT1 selenides
*BT1 thorium compounds

THORIUM SILICATES
*BT1 silicates
*BT1 thorium compounds
RT allanite
RT ekanite
RT freyalite
RT hydrothorite
RT mackintoshite
RT maitlandite
RT silicate minerals
RT thorite
RT thorium minerals
RT uranothorite

THORIUM SILICIDES
INIS: Jul 1977; ETDE: Mar 1976
*BT1 silicides
*BT1 thorium compounds

THORIUM SULFATES
*BT1 sulfates
*BT1 thorium compounds

THORIUM SULFIDES
*BT1 sulfides
*BT1 thorium compounds

THORIUM TELLURIDES
INIS: Feb 1976; ETDE: Apr 1976
*BT1 tellurides
*BT1 thorium compounds

thorium tungstates
Use thorium compounds
AND tungstates

thorium x
Use radium 224

thorogummite
Use silicate minerals
AND thorium minerals

thoron
Use radon 220

THOROTRAST
BT1 contrast media
*BT1 radiocolloids
*BT1 thorium oxides

thr reactor
Use nhr-5 reactor

THREADED JOINTS
INIS: Nov 1988; ETDE: Oct 1982
BT1 joints

THREE-BODY PROBLEM
BT1 many-body problem
RT efimov effect
RT faddeev equations

THREE-DIMENSIONAL CALCULATIONS
UF *3-dimensional calculations*
UF *calculations (3-dimensional)*
RT adjoint difference method
RT general circulation models
RT many-dimensional calculations
RT mathematics

THREE MILE ISLAND-1 REACTOR
(Dauphin county, Pennsylvania, USA)
*BT1 pwr type reactors

THREE MILE ISLAND-2 REACTOR
(Dauphin county, Pennsylvania, USA)
*BT1 pwr type reactors

THREE-NUCLEON TRANSFER REACTIONS
*BT1 multi-nucleon transfer reactions

THREONINE
*BT1 amino acids
*BT1 hydroxy acids

THRESHOLD CURRENT
INIS: Sep 1983; ETDE: Oct 1981
(The minimum current necessary to initiate the desired response.)
*BT1 electric currents
RT current limiters

THRESHOLD DETECTORS
*BT1 neutron detectors
RT activation detectors
RT fission chambers
RT fission foil detectors

THRESHOLD DOSE
*BT1 radiation doses

THRESHOLD ENERGY
BT1 energy
RT interactions
RT nuclear reactions
RT scattering

THRESHOLD RIGIDITY
UF *geomagnetic cut-off rigidity*
RT cosmic radiation
RT geomagnetic field

throat
Use pharynx

THROMBIN
(Code number 3.4.21.5.)
*BT1 blood coagulation factors
*BT1 serine proteinases
RT thrombosis

thrombocytes
Use blood platelets

THROMBOPLASTIN
*BT1 blood coagulation factors

THROMBOPOIESIS
BT1 blood formation
RT blood platelets

THROMBOSIS
*BT1 cardiovascular diseases
*BT1 vascular diseases
RT blood coagulation
RT blood vessels
RT fibrinolysin
RT streptococcal proteinase
RT thrombin

THROUGHFALL
INIS: Aug 1992; ETDE: Dec 1984
(Rain water that passes through a vegetative canopy and reaches the soil.)
*BT1 rain water
RT acid rain
RT atmospheric precipitations
RT canopies
RT evaporation
RT forests
RT interception
RT plants
RT runoff

THRUSTERS
INIS: Aug 1994; ETDE: Jan 1975
NT1 ion thrusters
RT missiles
RT positioning
RT propulsion
RT propulsion systems
RT ships
RT space vehicles

THTR-300 REACTOR
(Hammuentrop, North Rhein Westfalia, Federal Republic of Germany)
UF *schmehausen reactor*
UF *schmehausen thtr reactor*
UF *thorium-hochtemperatur prototype reactor*
*BT1 enriched uranium reactors
*BT1 helium cooled reactors
*BT1 htgr type reactors
*BT1 pebble bed reactors
*BT1 power reactors
*BT1 thermal reactors
*BT1 thorium reactors

THUCHOLITE
*BT1 bitumens
*BT1 thorium minerals
*BT1 uranium minerals
RT rare earths
RT uraninites

THULIUM
*BT1 rare earths

THULIUM 145
Jan 2003
*BT1 microseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 proton decay radioisotopes
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 146
Jan 2003
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 proton decay radioisotopes
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 147
INIS: Jun 1982; ETDE: Jun 1982
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 proton decay radioisotopes
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 148
INIS: Jun 1982; ETDE: Jun 1982
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 149
INIS: Apr 1985; ETDE: May 1985
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 150
INIS: Sep 1981; ETDE: Sep 1981
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 151
INIS: Aug 1982; ETDE: Nov 1976
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
BT1 thulium isotopes

THULIUM 152
INIS: Dec 1980; ETDE: Sep 1980
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
BT1 thulium isotopes

THULIUM 153
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
BT1 thulium isotopes

THULIUM 154
INIS: Feb 1977; ETDE: Apr 1977
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
BT1 thulium isotopes

THULIUM 155
INIS: Jan 1976; ETDE: Feb 1975
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
BT1 thulium isotopes

THULIUM 156
INIS: Mar 1976; ETDE: Feb 1975
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
BT1 thulium isotopes

THULIUM 157
INIS: Jan 1977; ETDE: Apr 1975
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 158
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 159
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 internal conversion radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 160
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 161
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 internal conversion radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 162
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
*BT1 seconds living radioisotopes
BT1 thulium isotopes

THULIUM 163
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 164
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 165
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 166
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 167
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 168
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 169
*BT1 odd-even nuclei
*BT1 rare earth nuclei
*BT1 stable isotopes
BT1 thulium isotopes

THULIUM 169 TARGET
BT1 targets

THULIUM 170
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 171
*BT1 beta-minus decay radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes
*BT1 years living radioisotopes

THULIUM 171 TARGET
INIS: Sep 1992; ETDE: Jan 1982
BT1 targets

THULIUM 172
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 173
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 174
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 175
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 176
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM 177
INIS: Jun 1984; ETDE: Jul 1984
*BT1 beta-minus decay radioisotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 rare earth nuclei
BT1 thulium isotopes

THULIUM ADDITIONS
(Alloys containing not more than 1% Tm are listed here.)
*BT1 rare earth additions
*BT1 thulium alloys

THULIUM ALLOYS
(Alloys containing more than 1% Tm.)
*BT1 rare earth alloys
NT1 thulium additions
NT1 thulium base alloys

thulium arsenides
Use arsenides
AND thulium compounds

THULIUM BASE ALLOYS
*BT1 thulium alloys

THULIUM BORIDES
*BT1 borides
*BT1 thulium compounds

THULIUM BROMIDES
*BT1 bromides
*BT1 thulium compounds

THULIUM CARBIDES
*BT1 carbides
*BT1 thulium compounds

THULIUM CHLORIDES
*BT1 chlorides
*BT1 thulium compounds

THULIUM COMPLEXES
*BT1 rare earth complexes

THULIUM COMPOUNDS
UF+ *thulium arsenides*
UF+ *thulium phosphides*
BT1 rare earth compounds
NT1 thulium borides
NT1 thulium bromides
NT1 thulium carbides
NT1 thulium chlorides
NT1 thulium fluorides
NT1 thulium hydrides
NT1 thulium hydroxides
NT1 thulium iodides
NT1 thulium nitrates
NT1 thulium nitrides
NT1 thulium oxides
NT1 thulium perchlorates
NT1 thulium phosphates
NT1 thulium selenides
NT1 thulium silicates
NT1 thulium silicides
NT1 thulium sulfates
NT1 thulium sulfides
NT1 thulium tellurides

THULIUM FLUORIDES
*BT1 fluorides
*BT1 thulium compounds

THULIUM HYDRIDES
*BT1 hydrides
*BT1 thulium compounds

THULIUM HYDROXIDES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 hydroxides
*BT1 thulium compounds

THULIUM IODIDES
*BT1 iodides
*BT1 thulium compounds

THULIUM IONS
*BT1 ions

THULIUM ISOTOPES
NT1 thulium 145
NT1 thulium 146
NT1 thulium 147
NT1 thulium 148
NT1 thulium 149
NT1 thulium 150
NT1 thulium 151
NT1 thulium 152
NT1 thulium 153
NT1 thulium 154
NT1 thulium 155
NT1 thulium 156
NT1 thulium 157
NT1 thulium 158
NT1 thulium 159
NT1 thulium 160
NT1 thulium 161
NT1 thulium 162
NT1 thulium 163
NT1 thulium 164
NT1 thulium 165
NT1 thulium 166
NT1 thulium 167
NT1 thulium 168
NT1 thulium 169
NT1 thulium 170
NT1 thulium 171
NT1 thulium 172
NT1 thulium 173
NT1 thulium 174
NT1 thulium 175
NT1 thulium 176
NT1 thulium 177

THULIUM NITRATES
*BT1 nitrates
*BT1 thulium compounds

THULIUM NITRIDES
*BT1 nitrides
*BT1 thulium compounds

THULIUM OXIDES
*BT1 oxides
*BT1 thulium compounds

THULIUM PERCHLORATES
INIS: Apr 2000; ETDE: Oct 1975
*BT1 perchlorates
*BT1 thulium compounds

THULIUM PHOSPHATES
INIS: Oct 1975; ETDE: Dec 1975
*BT1 phosphates
*BT1 thulium compounds

thulium phosphides
Use phosphides
AND thulium compounds

THULIUM SELENIDES
*BT1 selenides
*BT1 thulium compounds

THULIUM SILICATES
INIS: Apr 2000; ETDE: Nov 1977
*BT1 silicates
*BT1 thulium compounds

THULIUM SILICIDES
INIS: Jul 1978; ETDE: Jan 1976
*BT1 silicides
*BT1 thulium compounds

THULIUM SULFATES
*BT1 sulfates
*BT1 thulium compounds

THULIUM SULFIDES
*BT1 sulfides
*BT1 thulium compounds

THULIUM TELLURIDES
*BT1 tellurides
*BT1 thulium compounds

THUNDERBIRD PROJECT
INIS: Sep 1983; ETDE: Nov 1975
(In-situ gasification of coal following nuclear fragmentation of rock seams.)
UF *project thunderbird*
RT coal gasification
RT nuclear explosions
RT underground explosions

THYLAKOID MEMBRANE PROTEINS
INIS: Aug 1993; ETDE: Jul 1987
*BT1 membrane proteins
NT1 phycobiliproteins
NT2 phycocyanin
RT photosynthesis
RT photosynthetic membranes

thylox process
Use desulfurization

thyme camphor
Use thymol

THYMECTOMY
*BT1 surgery
RT immunity
RT thymus

thymic acid
Use thymol

THYMIDINE
*BT1 nucleosides
*BT1 pyrimidines
RT thymine

THYMIDYLIC ACID
*BT1 nucleotides
RT thymine

THYMINE
UF *5-methyl uracil*
UF *5-methyluracil*
*BT1 uracils
RT thymidine
RT thymidylic acid

THYMOCYTES
*BT1 somatic cells
RT thymus

THYMOL
UF *hydroxy-para-cymene*
UF *isopropyl cresol*
UF *thyme camphor*
UF *thymic acid*
*BT1 phenols
RT cymene

thymonucleic acid
Use nucleic acids

THYMUS
BT1 lymphatic system
*BT1 organs
RT calcitonin
RT chest
RT immune system diseases
RT lymphocytes
RT mediastinum
RT thymectomy
RT thymocytes
RT thymus cells

THYMUS CELLS
*BT1 somatic cells
RT thymus

THYRATRONS
*BT1 gas discharge tubes
RT rectifier tubes
RT switching circuits

THYRISTORS
BT1 semiconductor devices
RT rectifiers
RT switching circuits

THYROCALCITONIN
*BT1 thyroid hormones
RT calcium

THYROGLOBULIN
*BT1 globulins
RT iodine
RT thyroid
RT thyroid hormones
RT thyroxine

THYROID
*BT1 endocrine glands
RT antithyroid drugs
RT blood-plasma clearance
RT calcitonin
RT goiter
RT iodine
RT neck
RT parathyroid glands
RT thyroglobulin
RT thyroid cells
RT thyroid hormones
RT thyroidectomy
RT thyroiditis

thyroid antagonists
Use antithyroid drugs

THYROID CELLS
INIS: Jul 1981; ETDE: Oct 1980
*BT1 somatic cells
RT thyroid

THYROID HORMONES
*BT1 peptide hormones
NT1 diiodothyronine
NT1 thyrocalcitonin
NT1 thyroxine
NT1 triiodothyronine
RT hyperthyroidism
RT hypothyroidism
RT iodine
RT metabolism
RT pbi
RT thyroglobulin
RT thyroid
RT thyronine
RT tsh

thyroid stimulating hormone
Use tsh

THYROIDECTOMY
*BT1 surgery
RT thyroid

THYROIDITIS
*BT1 endocrine diseases
RT thyroid

THYRONINE
UF *desiodothyroxine*
*BT1 amino acids
*BT1 hydroxy acids
*BT1 peptide hormones
RT diiodothyronine
RT ethers
RT thyroid hormones
RT thyroxine
RT triiodothyronine

thyrotoxicosis
Use hyperthyroidism

thyrotropin-releasing hormone
Use trh

THYROXINE
UF *t4 hormone*
*BT1 amino acids
*BT1 organic iodine compounds
*BT1 thyroid hormones
RT ethers
RT thyroglobulin
RT thyronine

thyssen-galocsy process
See coal gasification

THZ RANGE
Mar 2003
UF *terahertz frequency range*
BT1 frequency range
NT1 thz range 01-100
NT1 thz range 100-1000

THZ RANGE 01-100
Mar 2003
*BT1 thz range

THZ RANGE 100-1000
Mar 2003
*BT1 thz range

TIANWAN-1 REACTOR
INIS: Mar 2001; ETDE: Nov 1999
(Tianwan, Jiangsu, China)
*BT1 wwer type reactors

TIBER-X TOKAMAK
INIS: Sep 1987; ETDE: Apr 1987
(Compact, 3-m radius, steady-state tokamak with ECH/1H current drive and profile control.)
*BT1 tokamak devices
RT thermonuclear ignition

TIBET
INIS: Apr 2000; ETDE: Feb 1975
*BT1 china

TIBIA
*BT1 skeleton
RT legs

TIBR REACTOR
INIS: Dec 1986; ETDE: Mar 1987
*BT1 enriched uranium reactors
*BT1 fast reactors
*BT1 pulsed reactors
*BT1 research reactors
*BT1 transportable reactors

TICKS
*BT1 arachnids

tid
Use travelling ionospheric disturbance

TIDAL POWER
INIS: Oct 1982; ETDE: Jan 1975
*BT1 renewable energy sources
RT tidal power plants
RT tide
RT water current power generators

TIDAL POWER PLANTS
INIS: Aug 1992; ETDE: Jun 1975
BT1 power plants
NT1 kislogubsk power plant
NT1 passamaquoddy power plant
NT1 rance power plant
RT tidal power

tidal waves
Use tsunamis

TIDE
(Prior to August 1985 the form TIDES was used.)
UF *tides*
RT seas
RT tidal power
RT water currents
RT water waves

tides
Use tide

tight sands
Use permeability
AND sandstones

tiglium oil
Use triglycerides
AND vegetable oils

TIGRIS RIVER
INIS: May 1988; ETDE: Jun 1988
*BT1 rivers
RT iraq
RT turkey

tihange-1 reactor
Use tihange reactor

TIHANGE-2 REACTOR
INIS: Apr 1982; ETDE: May 1982
*BT1 pwr type reactors

TIHANGE-3 REACTOR
INIS: Apr 1982; ETDE: May 1982
*BT1 pwr type reactors

TIHANGE REACTOR
(Tihange, Liege, Belgium)
UF *tihange-1 reactor*
*BT1 pwr type reactors

tikonal
Use iron base alloys

til oil
Use sesame oil

TILT MECHANISMS
INIS: Apr 2000; ETDE: Jul 1981
RT inclination
RT orientation
RT solar tracking
RT wind turbines

tilting (neutron flux)
Use neutron flux tilting

TILTING INSTABILITY
INIS: Feb 1984; ETDE: Mar 1984
*BT1 plasma macroinstabilities

TIME DELAY
INIS: Jan 1992; ETDE: Mar 1983
UF *timeliness*
RT administrative procedures
RT contracts
RT legal aspects
RT management
RT procurement
RT schedules

RT time measurement

TIME DEPENDENCE
RT blood-plasma clearance
RT confinement time
RT delayed radiation effects
RT differential pac
RT dose rates
RT early radiation effects
RT flow rate
RT heating rate
RT incubation
RT instability growth rates
RT mortality
RT quarantine
RT relaxation time
RT retention functions
RT survival time
RT temporal dose distributions

TIME INTERVAL ANALYZERS
BT1 measuring instruments
NT1 chronotrons
RT atomic clocks
RT time measurement

TIME LIMITATIONS
INIS: Dec 1976; ETDE: Aug 1994
(For time limitations on liability for damages.)
RT liabilities
RT liability limitations
RT nuclear liability

TIME MEASUREMENT
(From February 1976 till March 1997 PENDULUMS was a valid ETDE descriptor.)
SF *pendulums*
RT atomic clocks
RT calendars
RT coincidence circuits
RT dead time
RT measuring instruments
RT pulse rise time
RT time delay
RT time interval analyzers
RT timing circuits
RT timing properties

time-of-day pricing
Use time-of-use pricing

TIME-OF-FLIGHT MASS SPECTROMETERS
INIS: Jan 1976; ETDE: Sep 1988
*BT1 dynamic mass spectrometers
*BT1 time-of-flight spectrometers

TIME-OF-FLIGHT METHOD
RT charge plunger method
RT time-of-flight spectrometers

TIME-OF-FLIGHT SPECTROMETERS
*BT1 spectrometers
NT1 time-of-flight mass spectrometers
RT time-of-flight method

time-of-season pricing
Use seasonal variations
AND time-of-use pricing

TIME-OF-USE PRICING
INIS: Apr 2000; ETDE: May 1980
(Pricing of service during periods of the day or during different seasons of the year based on cost of supplying the service during the time of day or season.)
UF *time-of-day pricing*
UF+ *time-of-season pricing*
BT1 prices
RT electric power
RT load management
RT off-peak power
RT peak-load pricing
RT seasonal variations

TIME PROJECTION CHAMBERS
INIS: Apr 1984; ETDE: Feb 1979
(Prior to August, 1988, this concept was indexed by PROJECTION SPARK CHAMBERS.)
UF *tpc*
*BT1 drift chambers
RT projection spark chambers

TIME RESOLUTION
(Minimum time interval between events to be detected.)
BT1 resolution
BT1 timing properties
RT pulse pileup

time-reversal invariance
Use t invariance

TIME-SERIES ANALYSIS
INIS: Jul 1981; ETDE: Feb 1978
*BT1 statistics
RT decision making
RT forecasting
RT mathematical models

TIME-TO-AMPLITUDE CONVERTERS
*BT1 pulse converters

timeliness
Use time delay

TIMING CIRCUITS
BT1 electronic circuits
RT dead time
RT discriminators
RT sweep circuits
RT time measurement
RT timing properties

TIMING PROPERTIES
(Properties of a detector, circuit or other component related to time measurement, such as its pulse rise time or time resolution, etc.)
NT1 dead time
NT1 pulse rise time
NT1 time resolution
RT pulse pileup
RT time measurement
RT timing circuits

TIMKEN ALLOYS
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium-nickel steels
*BT1 cobalt alloys
*BT1 molybdenum alloys

TIMOR SEA
INIS: Apr 2000; ETDE: Oct 1995
*BT1 indian ocean
RT australia
RT indonesia

TIN
*BT1 metals

TIN 100
INIS: Sep 1985; ETDE: Mar 1985
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 tin isotopes

TIN 101
INIS: Sep 1992; ETDE: Oct 1985
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 tin isotopes

TIN 102
INIS: Sep 1985; ETDE: Mar 1985
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 microseconds living radioisotopes
*BT1 seconds living radioisotopes
*BT1 tin isotopes

TIN 103
INIS: Jul 1980; ETDE: Aug 1980
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tin isotopes

TIN 104
INIS: Nov 1976; ETDE: Sep 1976
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 tin isotopes

TIN 105
INIS: Jul 1980; ETDE: Aug 1980
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tin isotopes

TIN 106
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tin isotopes

TIN 107
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tin isotopes

TIN 108
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tin isotopes

TIN 109
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tin isotopes

TIN 110
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 tin isotopes

TIN 110 TARGET
INIS: Jul 1980; ETDE: Aug 1980
BT1 targets

TIN 111
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tin isotopes

TIN 112
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 tin isotopes

TIN 112 REACTIONS
INIS: Oct 1991; ETDE: Nov 1991
*BT1 heavy ion reactions

TIN 112 TARGET
BT1 targets

TIN 113
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 tin isotopes
RT radioisotope generators

TIN 114
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 tin isotopes

TIN 114 TARGET
BT1 targets

TIN 115
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 tin isotopes

TIN 115 TARGET
INIS: Oct 1976; ETDE: Dec 1976
BT1 targets

TIN 116
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 tin isotopes

TIN 116 REACTIONS
INIS: Nov 1987; ETDE: Dec 1987
*BT1 heavy ion reactions

TIN 116 TARGET
BT1 targets

TIN 117
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 stable isotopes
*BT1 tin isotopes

TIN 117 TARGET
BT1 targets

TIN 118
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 tin isotopes

TIN 118 REACTIONS
INIS: Jun 1987; ETDE: Jul 1987
*BT1 heavy ion reactions

TIN 118 TARGET
BT1 targets

TIN 119
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 stable isotopes
*BT1 tin isotopes

TIN 119 TARGET
BT1 targets

TIN 120
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 tin isotopes

TIN 120 BEAMS
INIS: May 1984; ETDE: Jun 1984
*BT1 ion beams

TIN 120 REACTIONS
INIS: Jul 1978; ETDE: Aug 1978
*BT1 heavy ion reactions

TIN 120 TARGET
BT1 targets

TIN 121
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 tin isotopes
*BT1 years living radioisotopes

TIN 122
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 tin isotopes

TIN 122 REACTIONS
INIS: Sep 1980; ETDE: Oct 1980
*BT1 heavy ion reactions

TIN 122 TARGET
BT1 targets

TIN 123
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tin isotopes

TIN 124
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 tin isotopes

TIN 124 REACTIONS
INIS: Dec 1980; ETDE: Jan 1981
*BT1 heavy ion reactions

TIN 124 TARGET
BT1 targets

TIN 125
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tin isotopes

TIN 125 TARGET
INIS: Sep 1992; ETDE: Oct 1984
BT1 targets

TIN 126
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 tin isotopes
*BT1 years living radioisotopes

TIN 126 TARGET
INIS: Apr 1980; ETDE: May 1980
BT1 targets

TIN 127
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tin isotopes

TIN 128
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 seconds living radioisotopes
*BT1 tin isotopes

TIN 129
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 tin isotopes

TIN 130
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tin isotopes

TIN 131
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 seconds living radioisotopes
*BT1 tin isotopes

TIN 132
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tin isotopes

TIN 133
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tin isotopes

TIN 134
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tin isotopes

TIN ADDITIONS
(Alloys containing not more than 1% Sn are listed here.)
*BT1 tin alloys
NT1 zamak

TIN ALLOYS
(Alloys containing more than 1% Sn.)
UF+ *transage 175*
BT1 alloys
NT1 alloy-bi50pb25cd12sn12
NT2 wood metal
NT1 alloy-zr98sn-2
NT2 zircaloy 2
NT1 alloy-zr98sn-4
NT2 zircaloy 4
NT1 bronze
NT1 cerrobend alloys
NT1 lichtenberg alloy
NT1 newton-metal
NT1 ounce metal
NT1 rose-metal
NT1 terne-metal
NT1 tin additions
NT2 zamak
NT1 tin base alloys

TIN ARSENIDES
INIS: Apr 2000; ETDE: Nov 1975
*BT1 arsenides
BT1 tin compounds

TIN BASE ALLOYS
*BT1 tin alloys

tin borides
Use borides
AND tin compounds

TIN BROMIDES
*BT1 bromides
*BT1 tin halides

TIN CARBIDES
INIS: Apr 2000; ETDE: Dec 1975
*BT1 carbides
BT1 tin compounds

TIN CHLORIDES
*BT1 chlorides
*BT1 tin halides

TIN COMPLEXES
BT1 complexes

TIN COMPOUNDS
UF+ *tin borides*
NT1 stannates
NT2 cadmium stannates
NT1 tin arsenides
NT1 tin carbides
NT1 tin halides
NT2 tin bromides
NT2 tin chlorides
NT2 tin fluorides
NT2 tin iodides
NT1 tin hydrides
NT1 tin hydroxides
NT1 tin nitrides
NT1 tin oxides
NT1 tin phosphates
NT1 tin phosphides
NT1 tin selenides
NT1 tin sulfates
NT1 tin sulfides
NT1 tin tellurides
NT1 tin tungstates

TIN FLUORIDES
*BT1 fluorides
*BT1 tin halides

TIN HALIDES
INIS: Sep 1991; ETDE: Jun 1977
*BT1 halides
BT1 tin compounds
NT1 tin bromides
NT1 tin chlorides
NT1 tin fluorides
NT1 tin iodides

TIN HYDRIDES
*BT1 hydrides
BT1 tin compounds

TIN HYDROXIDES
*BT1 hydroxides
BT1 tin compounds

TIN IODIDES
*BT1 iodides
*BT1 tin halides

TIN IONS
*BT1 ions

TIN ISOTOPES
BT1 isotopes
NT1 tin 100
NT1 tin 101
NT1 tin 102
NT1 tin 103
NT1 tin 104
NT1 tin 105
NT1 tin 106
NT1 tin 107
NT1 tin 108
NT1 tin 109
NT1 tin 110
NT1 tin 111
NT1 tin 112
NT1 tin 113
NT1 tin 114
NT1 tin 115
NT1 tin 116
NT1 tin 117
NT1 tin 118
NT1 tin 119
NT1 tin 120
NT1 tin 121
NT1 tin 122
NT1 tin 123
NT1 tin 124
NT1 tin 125
NT1 tin 126
NT1 tin 127
NT1 tin 128
NT1 tin 129
NT1 tin 130
NT1 tin 131
NT1 tin 132
NT1 tin 133
NT1 tin 134

TIN NITRIDES
INIS: Jun 1976; ETDE: Jan 1975
*BT1 nitrides
BT1 tin compounds

TIN ORES
INIS: Aug 1978; ETDE: Oct 1975
BT1 ores

TIN OXIDES
*BT1 oxides
BT1 tin compounds
RT stannates

TIN PHOSPHATES
*BT1 phosphates
BT1 tin compounds

TIN PHOSPHIDES
INIS: Jan 1977; ETDE: Nov 1975
*BT1 phosphides
BT1 tin compounds

TIN SELENIDES
INIS: Jul 1976; ETDE: Jan 1975
*BT1 selenides
BT1 tin compounds

TIN SULFATES
*BT1 sulfates
BT1 tin compounds

TIN SULFIDES
*BT1 sulfides
BT1 tin compounds

TIN TELLURIDES
*BT1 tellurides
BT1 tin compounds

TIN TUNGSTATES
INIS: Apr 2000; ETDE: Jan 1975
BT1 tin compounds
*BT1 tungstates

TINEA
INIS: Apr 2000; ETDE: Jul 1979
*BT1 fungal diseases
RT fungi

tioga nitrogen removal process
Use nitrogen
AND removal

TIPVANE ROTORS
INIS: Apr 2000; ETDE: Sep 1978
(Horizontal axis turbines with small wings attached at right angles to the rotor tips.)
UF *dynamic inducer rotors*
BT1 rotors
RT horizontal axis turbines
RT wind turbines

TIRES
INIS: Mar 1992; ETDE: Jan 1975
RT vehicles
RT wheels

TIRON
*BT1 polyphenols
BT1 reagents
*BT1 sodium compounds
*BT1 sulfonic acids

TISSUE CULTURES
UF *cultures (tissue)*
UF *organ cultures*
RT animal tissues
RT cell cultures
RT culture media
RT in vitro

TISSUE DISTRIBUTION
BT1 distribution
RT animal tissues
RT biological localization
RT radionuclide kinetics

tissue equivalent chambers
Use bragg gray chambers

TISSUE-EQUIVALENT DETECTORS
*BT1 radiation detectors
RT dose equivalents

TISSUE-EQUIVALENT MATERIALS
BT1 materials

RT animal tissues
RT phantoms

TISSUE EXTRACTS
*BT1 biological materials
RT animal tissues
RT cell constituents
RT mitogens

tissues
See animal tissues
OR plant tissues

TITANATES
BT1 oxygen compounds
*BT1 titanium compounds
NT1 cadmium titanates
NT1 lithium titanates
NT1 plzt
NT1 pzt
NT1 strontium titanates
RT titanium oxides

TITANITE
UF *sphene*
*BT1 silicate minerals
RT titanium silicates

TITANIUM
*BT1 transition elements
NT1 titanium-alpha
NT1 titanium-beta
RT kroll process

TITANIUM 39
INIS: Nov 1988; ETDE: Dec 1988
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 light nuclei
*BT1 titanium isotopes

TITANIUM 40
INIS: May 1990; ETDE: Jun 1990
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 light nuclei
*BT1 milliseconds living radioisotopes
*BT1 titanium isotopes

TITANIUM 41
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 titanium isotopes

TITANIUM 42
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 titanium isotopes

TITANIUM 43
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 titanium isotopes

TITANIUM 44
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 titanium isotopes
*BT1 years living radioisotopes

TITANIUM 44 TARGET
INIS: Nov 1978; ETDE: Sep 1978
BT1 targets

TITANIUM 45
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 titanium isotopes

TITANIUM 45 TARGET
INIS: Nov 1977; ETDE: Mar 1978
BT1 targets

TITANIUM 46
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 titanium isotopes

TITANIUM 46 REACTIONS
INIS: Nov 1985; ETDE: Jun 1981
*BT1 heavy ion reactions

TITANIUM 46 TARGET
BT1 targets

TITANIUM 47
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 titanium isotopes

TITANIUM 47 TARGET
BT1 targets

TITANIUM 48
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 titanium isotopes

TITANIUM 48 BEAMS
INIS: May 1989; ETDE: Jun 1989
*BT1 ion beams

TITANIUM 48 REACTIONS
INIS: Sep 1977; ETDE: Mar 1978
*BT1 heavy ion reactions

TITANIUM 48 TARGET
BT1 targets

TITANIUM 49
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 titanium isotopes
RT titanium 49 reactions

TITANIUM 49 REACTIONS
INIS: Sep 1992; ETDE: Sep 1985
*BT1 heavy ion reactions
RT titanium 49

TITANIUM 49 TARGET
BT1 targets

TITANIUM 50
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 titanium isotopes
RT titanium 50 reactions

TITANIUM 50 BEAMS
INIS: Sep 1979; ETDE: Oct 1979
*BT1 ion beams

TITANIUM 50 REACTIONS
*BT1 heavy ion reactions
RT titanium 50

TITANIUM 50 TARGET
BT1 targets

TITANIUM 51
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 titanium isotopes

TITANIUM 52
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 titanium isotopes

TITANIUM 53
INIS: Nov 1976; ETDE: Sep 1976
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 titanium isotopes

TITANIUM 54
INIS: Nov 1980; ETDE: Nov 1980
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 titanium isotopes

TITANIUM 55
INIS: Feb 1991; ETDE: Jan 1981
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 titanium isotopes

TITANIUM 56
INIS: Aug 1986; ETDE: Jan 1981
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 titanium isotopes

TITANIUM 57
INIS: Aug 1986; ETDE: Sep 1986
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 titanium isotopes

TITANIUM ADDITIONS
(Alloys containing not more than 1% Ti are listed here.)
*BT1 titanium alloys
NT1 alloy-fe44ni33cr21
NT2 incoloy 800h
NT1 alloy-fe46ni33cr21
NT2 incoloy 800
NT2 incoloy 802
NT1 alloy-in-102
NT1 alloy-mo99
NT2 alloy-tzm
NT2 alloy-zm-2a
NT1 alloy-n-10m
NT1 alloy-ni43fe30cr22mo3
NT2 incoloy 825
NT1 alloy-ni51cr48
NT2 inconel 671
NT1 alloy-ni53cr19fe19nb5mo3
NT2 inconel 718
NT1 alloy-ni59cr30fe9
NT2 inconel 690
NT1 alloy-ni61cr22mo9nb4fe3
NT2 inconel 625
NT1 alloy-ni70mo17cr7fe5
NT2 hastelloy n
NT2 inor-8
NT1 alloy-ni73cr20mn3nb3

NT2 inconel 82
NT1 alloy-ni74cr13al6mo4
NT2 inconel 713c
NT1 alloy-ni75cr12al6mo5
NT2 inconel 713lc
NT1 alloy-ni76cr15fe8
NT2 inconel 600
NT1 alloy-ni78cr21
NT1 duranickel
NT1 steel-cr15ni15motib
NT1 steel-cr17ni13mo2ti
NT1 steel-cr17ni13mo3ti
NT1 steel-cr18ni10ti
NT2 stainless steel-321
NT1 steel-cr18ni12ti
NT1 steel-cr18ni9ti

TITANIUM ALLOYS

(Alloys containing more than 1% Ti.)
UF+ *nitinol*
*BT1 transition element alloys
NT1 alloy-b-1900
NT1 alloy-c-103
NT1 alloy-d-979
NT1 alloy-in-853
NT1 alloy-m-813
NT1 alloy-mar-m246
NT1 alloy-n28t3
NT1 alloy-ni41fe40cr16nb3
NT2 inconel 706
NT1 alloy-ni43fe33cr16mo3
NT2 nimonic pe16
NT1 alloy-ni46cr23co19ti5al4
NT2 alloy-in-939
NT1 alloy-ni50co20cr15al5mo5
NT2 nimonic 105
NT1 alloy-ni55co17cr15mo5al4ti4
NT2 astroloy
NT1 alloy-ni55cr19co11mo10ti3
NT2 rene 41
NT1 alloy-ni58cr20co14mo4ti3
NT2 waspaloy
NT1 alloy-ni59cr20co17ti2
NT1 alloy-ni60co15cr10al6ti5mo3
NT2 alloy-in-100
NT1 alloy-ni61cr16co9al3ti3w3
NT2 alloy-in-738
NT1 alloy-ni73cr15fe7ti3
NT2 inconel x750
NT1 alloy-ni76cr20ti2
NT2 nimonic 80a
NT1 alloy-ni77cr20ti2
NT1 alloy-nt25a5
NT1 carboloy
NT1 discaloy
NT1 incoloy 901
NT1 konel
NT1 ni-o-nel
NT1 rene 80
NT1 rene 95
NT1 rene-100
NT1 stainless steel-jbk-75
NT1 steel-cr11ni10mo2ti-l
NT1 steel-ni26cr15ti2movalb
NT2 alloy-a-286
NT1 steel-ni36cr12ti3al-l
NT1 titanium additions
NT2 alloy-fe44ni33cr21
NT3 incoloy 800h
NT2 alloy-fe46ni33cr21
NT3 incoloy 800
NT3 incoloy 802
NT2 alloy-in-102
NT2 alloy-mo99
NT3 alloy-tzm
NT3 alloy-zm-2a
NT2 alloy-n-10m
NT2 alloy-ni43fe30cr22mo3
NT3 incoloy 825
NT2 alloy-ni51cr48
NT3 inconel 671
NT2 alloy-ni53cr19fe19nb5mo3
NT3 inconel 718
NT2 alloy-ni59cr30fe9
NT3 inconel 690
NT2 alloy-ni61cr22mo9nb4fe3
NT3 inconel 625
NT2 alloy-ni70mo17cr7fe5
NT3 hastelloy n
NT3 inor-8
NT2 alloy-ni73cr20mn3nb3
NT3 inconel 82
NT2 alloy-ni74cr13al6mo4
NT3 inconel 713c
NT2 alloy-ni75cr12al6mo5
NT3 inconel 713lc
NT2 alloy-ni76cr15fe8
NT3 inconel 600
NT2 alloy-ni78cr21
NT2 duranickel
NT2 steel-cr15ni15motib
NT2 steel-cr17ni13mo2ti
NT2 steel-cr17ni13mo3ti
NT2 steel-cr18ni10ti
NT3 stainless steel-321
NT2 steel-cr18ni12ti
NT2 steel-cr18ni9ti
NT1 titanium base alloys
NT2 alloy-ti78cr11mo7al3
NT2 alloy-ti88mo8al3
NT2 alloy-ti89al6mo3
NT2 alloy-ti90al6
NT2 alloy-ti90al6mo3
NT2 alloy-ti90al6v4
NT2 alloy-ti90mo7al2
NT2 alloy-ti91al4mo3
NT2 alloy-ti91al5cr2
NT2 alloy-ti99
NT1 udimet alloys
NT2 alloy-ni53co19cr15mo5al4ti3
NT3 udimet 700
NT2 udimet 500

TITANIUM-ALPHA

*BT1 titanium

titanium arsenides

Use arsenides
AND titanium compounds

TITANIUM BASE ALLOYS

UF *alloy-60t*
UF *alloy-vt30*
UF *transage 117*
UF *transage 120*
UF+ *transage 129*
UF+ *transage 134*
UF+ *transage 175*
SF *alloy-ts5*
*BT1 titanium alloys
NT1 alloy-ti78cr11mo7al3
NT1 alloy-ti88mo8al3
NT1 alloy-ti89al6mo3
NT1 alloy-ti90al6
NT1 alloy-ti90al6mo3
NT1 alloy-ti90al6v4
NT1 alloy-ti90mo7al2
NT1 alloy-ti91al4mo3
NT1 alloy-ti91al5cr2
NT1 alloy-ti99

TITANIUM-BETA

*BT1 titanium

TITANIUM BORIDES

*BT1 borides
*BT1 titanium compounds

TITANIUM BROMIDES

*BT1 bromides
*BT1 titanium compounds

TITANIUM CARBIDES

*BT1 carbides
*BT1 titanium compounds

TITANIUM CHLORIDES

*BT1 chlorides
*BT1 titanium compounds

TITANIUM COMPLEXES

*BT1 transition element complexes

TITANIUM COMPOUNDS

UF+ *titanium arsenides*
BT1 transition element compounds
NT1 titanates
NT2 cadmium titanates
NT2 lithium titanates
NT2 plzt
NT2 pzt
NT2 strontium titanates
NT1 titanium borides
NT1 titanium bromides
NT1 titanium carbides
NT1 titanium chlorides
NT1 titanium fluorides
NT1 titanium hydrides
NT1 titanium hydroxides
NT1 titanium iodides
NT1 titanium nitrates
NT1 titanium nitrides
NT1 titanium oxides
NT1 titanium phosphates
NT1 titanium phosphides
NT1 titanium selenides
NT1 titanium silicates
NT1 titanium silicides
NT1 titanium sulfates
NT1 titanium sulfides
NT1 titanium tellurides
NT1 titanium tungstates

TITANIUM FLUORIDES

*BT1 fluorides
*BT1 titanium compounds

TITANIUM HYDRIDES

*BT1 hydrides
*BT1 titanium compounds

TITANIUM HYDROXIDES

*BT1 hydroxides
*BT1 titanium compounds

TITANIUM IODIDES

*BT1 iodides
*BT1 titanium compounds

TITANIUM IONS

*BT1 ions

TITANIUM ISOTOPES

BT1 isotopes
NT1 titanium 39
NT1 titanium 40
NT1 titanium 41
NT1 titanium 42
NT1 titanium 43
NT1 titanium 44
NT1 titanium 45
NT1 titanium 46
NT1 titanium 47
NT1 titanium 48
NT1 titanium 49
NT1 titanium 50
NT1 titanium 51
NT1 titanium 52
NT1 titanium 53

NT1 titanium 54
NT1 titanium 55
NT1 titanium 56
NT1 titanium 57

TITANIUM NITRATES
*BT1 nitrates
*BT1 titanium compounds

TITANIUM NITRIDES
*BT1 nitrides
*BT1 titanium compounds

TITANIUM ORES
INIS: Jan 1993; ETDE: Sep 1992
BT1 ores

TITANIUM OXIDES
*BT1 oxides
*BT1 titanium compounds
RT brannerite
RT hollandite
RT ilmenite
RT lodochnikite
RT marignacite
RT oxide minerals
RT perovskite
RT rutile
RT titanates
RT zirconolite

TITANIUM PHOSPHATES
*BT1 phosphates
*BT1 titanium compounds

TITANIUM PHOSPHIDES
INIS: Sep 1991; ETDE: Dec 1985
*BT1 phosphides
*BT1 titanium compounds

TITANIUM SELENIDES
INIS: Jul 1978; ETDE: Feb 1978
*BT1 selenides
*BT1 titanium compounds

TITANIUM SILICATES
*BT1 silicates
*BT1 titanium compounds
RT silicate minerals
RT titanite

TITANIUM SILICIDES
INIS: Apr 1979; ETDE: Jan 1975
*BT1 silicides
*BT1 titanium compounds

TITANIUM SULFATES
*BT1 sulfates
*BT1 titanium compounds

TITANIUM SULFIDES
*BT1 sulfides
*BT1 titanium compounds

TITANIUM TELLURIDES
INIS: Sep 1979; ETDE: Sep 1978
*BT1 tellurides
*BT1 titanium compounds

TITANIUM TUNGSTATES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 titanium compounds
*BT1 tungstates

TITRATION
*BT1 volumetric analysis
NT1 amperometry
NT1 iodometry
NT1 potentiometry
NT1 thermometric titration
RT acid neutralizing capacity
RT potentiostats

TIWI GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Jul 1977
BT1 geothermal fields
RT philippines

TJ-1 TOKAMAK
INIS: Aug 1991; ETDE: Sep 1991
(CIEMAT, Madrid, Spain.)
*BT1 tokamak devices
RT tj-iu torsatron

TJ-II HELIAC
INIS: Jan 1999; ETDE: Sep 1999
(CIEMAT, Madrid, Spain.)
*BT1 heliac stellarators

TJ-IU TORSATRON
INIS: Mar 1996; ETDE: Feb 1996
(Torsatron stellarator at CIEMAT, Madrid, Spain, which started operation in April 1994.)
*BT1 torsatron stellarators
RT tj-1 tokamak

TLATELOLCO TREATY
INIS: Dec 1975; ETDE: Jan 1976
(Treaty for the Prohibition of Nuclear Weapons in Latin America)
UF *latin america nuclear weapons prohibition treaty*
UF *nuclear weapons, latin american prohibition treaty*
UF *prohibition of nuclear weapons (latin american treaty)*
UF *treaty for prohibition of nuclear weapons in latin america*
BT1 treaties
RT arms control
RT nuclear weapons

tld (dosemeters)
Use thermoluminescent dosemeters

tld (dosimetry)
Use thermoluminescent dosimetry

tld systems
Use thermoluminescent dosemeters

TLM CONFIGURATIONS
INIS: Aug 1975; ETDE: Oct 1975
(Toroidally Linked Mirror configurations)
*BT1 magnetic mirror configurations
RT magnetic fields
RT magnetic mirrors
RT minimum-b configurations
RT tandem mirrors
RT toroidal configuration

TLP DEVICES
(Prior to August 1996 ALPHA DEVICE was a valid ETDE descriptor.)
UF *alpha device*
UF *longitudinal pinch devices (toroidal)*
UF *toroidal longitudinal pinch device*
*BT1 toroidal pinch devices
NT1 zeta devices
RT longitudinal pinch

tmpn
Use hydroxy compounds
AND organic oxygen compounds
AND piperidines

TMR REACTORS
INIS: Jul 1981; ETDE: Apr 1978
UF *tandem mirror type reactors*
SF *tandem mirror devices*
*BT1 magnetic mirror type reactors
RT magnetic mirrors
RT tandem mirrors
RT thermal barriers

TMTSF
INIS: Oct 1983; ETDE: Apr 1983
UF *tetramethyltetraselenafulvalene*
*BT1 heterocyclic compounds
*BT1 organic superconductors
BT1 selenium compounds

TMX DEVICES
INIS: Apr 1978; ETDE: Aug 1977
(Tandem Mirror Experiment at Lawrence Livermore Laboratory.)
UF *tandem mirror experiment at uclll*
SF *tandem mirror devices*
*BT1 tandem mirrors
RT lawrence livermore laboratory
RT magnetic mirror type reactors
RT thermal barriers

tna
Use amines
AND chelating agents

tnp
Use picric acid

TNS REACTORS
INIS: Sep 1978; ETDE: Mar 1978
(The next tokamak confinement device beyond TFTR.)
UF *the next step device*
UF *the next step thermonuclear reactor*
*BT1 tokamak type reactors

TNT
UF *trinitrotoluene*
*BT1 chemical explosives
*BT1 nitro compounds
RT toluene

TNT-A TOKAMAK
INIS: Mar 1985; ETDE: Apr 1985
UF *tokyo non-circular tokamak*
*BT1 tokamak devices

tntr-kiwi
Use kiwi-tnt reactor

TOA
UF *trioctylamine*
*BT1 amines
BT1 chelating agents

TOADS
(Until July 1993, this concept was indexed by FROGS.)
*BT1 amphibians
RT frogs

TOBACCO
RT crops
RT nicotiana
RT tobacco smokes

TOBACCO MOSAIC VIRUS
*BT1 viruses
RT plant diseases

tobacco plant
Use nicotiana

TOBACCO PRODUCTS
INIS: Apr 2000; ETDE: Jan 1975
SF *cigarettes*
RT nicotiana
RT tobacco smokes

TOBACCO SMOKES
*BT1 smokes
RT tobacco
RT tobacco products

tocopherols
Use vitamin e

TOGGLE OPERATION
INIS: Apr 2000; ETDE: Nov 1979
*BT1 nuclear explosions
*BT1 underground explosions
NT1 rio blanco event
RT contained explosions

TOGO
INIS: Feb 1981; ETDE: Aug 1980
BT1 africa
BT1 developing countries

tohoku-1 reactor
Use onagawa-1 reactor

tohoku avf cyclotron
Use tohoku cyclotron

TOHOKU CYCLOTRON
INIS: Jun 1983; ETDE: Feb 1995
(At Cyclotron and Radioisotope Center, Tohoku University, Sendai, Japan.)
UF *cyric cyclotron*
UF *sendai cyclotron*
UF *tohoku avf cyclotron*
UF *tohoku university cyclotron*
*BT1 heavy ion accelerators
*BT1 isochronous cyclotrons

tohoku university cyclotron
Use tohoku cyclotron

TOILETS
INIS: Apr 2000; ETDE: Jun 1977
RT residential buildings

tokai-1 reactor
Use tokai-mura reactor

TOKAI-2 REACTOR
(Tokaimura, Ibaraki, Japan)
UF *japco-3 reactor*
*BT1 bwr type reactors

tokai-mura fast critical assembly
Use fca reactor

TOKAI-MURA REACTOR
UF *japco-1 reactor*
UF *tokai-1 reactor*
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 thermal reactors

tokamak chaufage alfven
Use tca tokamak

tokamak de varennes
Use varennes tokamak

TOKAMAK DEVICES
UF *flux conserving tokamaks*
UF *smartor device*
*BT1 closed plasma devices
NT1 act devices
NT1 aditya tokamak
NT1 alcator device
NT1 asdex tokamak
NT1 atc devices
NT1 castor tokamak
NT1 columbia high-beta tokamak
NT1 compact ignition tokamak
NT1 compass-d tokamak
NT1 continuous current tokamak
NT1 ct-6b tokamak
NT1 dante tokamak
NT1 dite tokamak
NT1 doublet-2 device
NT1 doublet-3 device
NT1 etf tokamak
NT1 ft tokamak
NT1 hl-1 tokamak
NT1 hl-1m tokamak
NT1 hl-2 tokamak
NT1 hl-2a tokamak
NT1 ht-2 tokamak
NT1 ht-6b tokamak
NT1 ht-6m tokamak
NT1 ht-7 tokamak
NT1 ht-7u tokamak
NT1 hybtok tokamaks
NT1 ignition spherical torus
NT1 intor tokamak
NT1 isttok tokamak
NT1 isx tokamak
NT1 iter tokamak
NT1 jet tokamak
NT1 jft-2 tokamak
NT1 jft-2a tokamak
NT1 jft-2m tokamak
NT1 jippt-2 device
NT1 jt-60 tokamak
NT1 jt-60u tokamak
NT1 jxfr tokamak
NT1 kt-2 tokamak
NT1 lt-3 tokamak
NT1 lt-4 tokamak
NT1 mt-1 tokamak
NT1 mtx tokamak
NT1 net tokamak
NT1 ormak devices
NT1 pbx devices
NT1 pdx devices
NT1 petula tokamak
NT1 phaedrus-t tokamak
NT1 plt devices
NT1 pulsator devices
NT1 rtp tokamak
NT1 sinp tokamak
NT1 spheromak devices
NT2 cdx-u spheromak
NT2 ctx spheromak
NT2 globus-m spheromak
NT2 mast tokamak
NT2 nstx device
NT2 sspx device
NT2 ts-3 device
NT1 st tokamak
NT1 starfire tokamak
NT1 start tokamak
NT1 stor-m tokamak
NT1 stx devices
NT1 surmac tokamak
NT1 t-10 tokamak
NT1 t-14 tokamak
NT1 t-15 tokamak
NT1 t-7 tokamak
NT1 tbr tokamak
NT1 tca tokamak
NT1 tcv tokamak
NT1 text devices
NT1 textor tokamak
NT1 tfr tokamak
NT1 tftr tokamak
NT1 tiber-x tokamak
NT1 tj-1 tokamak
NT1 tnt-a tokamak
NT1 tokapole devices
NT1 tokoloshe tokamak
NT1 tore supra tokamak
NT1 tormac devices
NT1 tortus tokamak
NT1 torus-ii tokamak
NT1 tosca tokamak
NT1 tpx device
NT1 triam-1 tokamak
NT1 tuman devices
NT1 two-component torus
NT1 uwmak devices
NT1 varennes tokamak
NT1 versator tokamak
NT1 wt-3 tokamak
RT banana regime
RT h-mode plasma confinement
RT magnetic surfaces
RT marfe
RT mode rational surfaces
RT pfirsch-schlueter regime
RT plasma disruption
RT plasma radial profiles
RT plateau regime
RT sawtooth oscillations
RT tokamak type reactors
RT wega stellarator

tokamak etf
Use etf tokamak

tokamak fontenay-aux-roses
Use tfr tokamak

tokamak fusion core experiment
Use tfcx reactors

tokamak fusion test reactor
Use tftr tokamak

tokamak model st
Use st tokamak

TOKAMAK TYPE REACTORS
INIS: Apr 1994; ETDE: Sep 1976
BT1 thermonuclear reactors
NT1 compact ignition tokamak
NT1 doublet reactors
NT1 iter tokamak
NT1 tentok reactors
NT1 tfcx reactors
NT1 tns reactors
RT tokamak devices

TOKAPOLE DEVICES
INIS: Jul 1981; ETDE: Dec 1978
*BT1 internal ring devices
*BT1 tokamak devices

TOKOLOSHE TOKAMAK
INIS: Mar 1991; ETDE: Apr 1991
(Pelindaba, Pretoria, South Africa.)
*BT1 tokamak devices

tokyo-1 reactor
Use fukushima-1 reactor

tokyo-2 reactor
Use fukushima-2 reactor

tokyo-3 reactor
Use fukushima-3 reactor

tokyo-4 reactor
Use fukushima-4 reactor

tokyo-denrioku k-1 reactor
Use kashiwazaki-kariwa-1 reactor

tokyo-denryoku k-2 reactor
Use kashiwazaki-kariwa-2 reactor

TOKYO INS CYCLOTRON
INIS: Jun 1983; ETDE: Mar 1983
(Sector-focused cyclotron at Institute for Nuclear Studies, University of Tokyo.)
UF *ins cyclotron (tokyo)*
UF *institute for nuclear studies cyclotron*
*BT1 heavy ion accelerators
*BT1 isochronous cyclotrons

tokyo non-circular tokamak
Use tnt-a tokamak

TOKYO SYNCHROTRON
(1.3-Gev electron synchrotron.)
*BT1 synchrotrons

TOLAN
UF *phenylacetylene*
*BT1 aromatics
*BT1 hydrocarbons

TOLERANCE
INIS: Apr 1992; ETDE: Aug 1976
RT accuracy
RT biological adaptation
RT dimensions
RT errors
RT hysteresis
RT quality control

toller poles
Use lorentz poles

TOLUENE
UF *methylbenzene*
*BT1 alkylated aromatics
*BT1 hydrocarbons
RT tnt
RT toluidines

TOLUIDINE BLUE
*BT1 azo dyes
RT toluidines

TOLUIDINES
UF *aminotoluenes*
UF *tolylamines*
*BT1 amines
RT toluene
RT toluidine blue

toluylene red
Use amines
AND indicators
AND pyrazines

TOLYL RADICALS
*BT1 aryl radicals

tolylamines
Use toluidines

TOMARI-1 REACTOR
INIS: Sep 1989; ETDE: Oct 1989
(Tomari, Hokkaido, Japan.)
*BT1 pwr type reactors

TOMARI-2 REACTOR
INIS: Nov 1989; ETDE: Dec 1989
(Tomari, Hokkaido, Japan.)
*BT1 pwr type reactors

TOMATOES
*BT1 fruits

TOMOGRAPHY
(A radiographic technique characterized by the movement of two of the three components - source, object, and film - so that a clear image of one plane of the object is registered, while images of all other planes are blurred.)
UF *laminography*
BT1 diagnostic techniques
NT1 compton scattering tomography
NT1 computerized tomography
NT2 cat scanning
NT2 emission computed tomography
NT3 ecat scanning
NT3 positron computed tomography
NT3 single photon emission computed tomography
NT2 photon computed tomography
NT2 proton computed tomography
NT1 grazing incidence tomography
RT biomedical radiography
RT collimators
RT focusing
RT industrial radiography
RT radioisotope scanning

TOMONAGA APPROXIMATION
UF *approximation (tomonaga)*
UF *intermediate coupling approximation*
RT intermediate coupling

TOMSK SYNCHROTRON
UF *sirius synchrotron*
*BT1 synchrotrons

TONGONAN GEOTHERMAL FIELD
INIS: Jun 1992; ETDE: Sep 1979
BT1 geothermal fields
RT philippines

TONGUE
*BT1 oral cavity
*BT1 organs
RT muscles

tonks-dattner resonance
See plasma waves

tonks-langmuir oscillations
Use tonks-langmuir theory

TONKS-LANGMUIR THEORY
UF *tonks-langmuir oscillations*
RT plasma waves

TONOPAH TEST RANGE
INIS: Feb 1976; ETDE: Aug 1975
BT1 military facilities
*BT1 nevada
BT1 test facilities
RT nevada test site
RT sandia laboratories
RT sandia national laboratories

tonsils
Use lymphatic system
AND pharynx

TOOLS
(Not for educational tools.)
BT1 equipment
NT1 cutting tools
NT1 drill bits
NT1 machine tools
NT2 grinding machines
NT2 lathes
NT2 milling machines
RT machining
RT presses

tools (educational)
Use educational tools

top accidents
Use transient overpower accidents

TOP PARTICLES
INIS: Jul 1985; ETDE: Aug 1985
(Particles with T quantum number not = 0.)
*BT1 postulated particles
NT1 t quarks
RT beauty particles
RT flavor model
RT toponium

top quark model
Use flavor model

top quarks
Use t quarks

TOPAZ REACTOR
*BT1 experimental reactors
*BT1 hydride moderated reactors
*BT1 power reactors
RT hydride moderators
RT thermionic converters

TOPHET
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium alloys
*BT1 heat resisting alloys
*BT1 nickel base alloys

tophet a
Use alloy-ni80cr20

tophet c
Use alloy-ni60fe24cr16

TOPO
UF *trioctylphosphine oxide*
*BT1 organic phosphorus compounds
*BT1 phosphine oxides

TOPOGRAPHY
RT complex terrain
RT earth planet
RT maps
RT site characterization
RT submarine canyons

TOPOLOGICAL FOLIATION
RT differential topology
RT smooth manifolds
RT surfaces

TOPOLOGICAL MAPPING
UF *mapping (topological)*
BT1 mapping
BT1 transformations
NT1 conformal mapping
RT graph theory
RT mapping fibration
RT mathematical manifolds
RT topology

TOPOLOGY
UF *cobordism theory*
BT1 mathematics
NT1 differential topology
RT dimensions
RT fractals
RT global analysis
RT graph theory
RT invariant imbedding
RT mathematical manifolds
RT periodicity
RT topological mapping

TOPONIUM
INIS: May 1986; ETDE: Dec 1985
(A bound state of top and antitop quarks.)
*BT1 mesons
BT1 quarkonium
RT bound state
RT flavor model
RT t quarks
RT top particles

TOPPING CYCLES
INIS: Apr 1984; ETDE: Jan 1975
RT thermodynamic cycles

topr reactor
Use thor reactor

TOPS
UF *trioctylphosphine sulfide*
*BT1 organic phosphorus compounds
*BT1 organic sulfur compounds

topsoe-snpa process
Use desulfurization

tor devices
Use stellarators

TORBANITE
INIS: Apr 2000; ETDE: Jan 1975
*BT1 boghead coal
RT minerals

TORBERNITE
*BT1 phosphate minerals
*BT1 uranium minerals
RT copper phosphates
RT uranium phosphates

tore supra
Use tore supra tokamak

TORE SUPRA TOKAMAK
INIS: Jun 1983; ETDE: Jul 1983
UF *tore supra*
*BT1 tokamak devices

TORI
NT1 compact torus
NT2 field-reversed theta pinch devices
NT2 rotamak devices
RT annular space
RT aspect ratio
RT bumpy tori
RT rings
RT rotational transform
RT toroidal configuration

TORMAC DEVICES
INIS: Jul 1976; ETDE: Jul 1975
UF *tormak devices*
*BT1 tokamak devices

tormak devices
Use tormac devices

TORNADO DEVICES
*BT1 internal ring devices

TORNADO TURBINES
INIS: Apr 2000; ETDE: Jun 1977
(Grumman Aerospace Corp. name for vertical axis turbines in bottom of vertical slotted cylinders with large air intake beneath cylinders.)
*BT1 vertical axis turbines
RT solar chimneys

TORNADOES
BT1 storms
RT turbulence
RT weather
RT wind

TORNESS REACTOR
INIS: Feb 1981; ETDE: Mar 1981
(Dunbar, East Lothian, UK)
*BT1 agr type reactors
*BT1 carbon dioxide cooled reactors
*BT1 power reactors
*BT1 thermal reactors

TOROIDAL CONFIGURATION
*BT1 annular space
*BT1 closed configurations
RT compact torus
RT reversed-field pinch devices
RT rotational transform
RT tlm configurations
RT tori

TOROIDAL FIELD DIVERTORS
INIS: Jul 1981; ETDE: Sep 1989
(Divertors that displace the toroidal field lines to form a separatrix in the toroidal field.)
BT1 divertors
RT bundle divertors

toroidal longitudinal pinch device
Use tlp devices

TOROIDAL PINCH DEVICES
UF *toroidal pinch type reactors*
*BT1 closed plasma devices
*BT1 pinch devices
NT1 reversed-field pinch devices
NT2 artemis device
NT2 extrap-t2 device
NT2 hbtx devices
NT2 mst device
NT2 rfx device
NT2 tpe-1rm15 device
NT2 tpe-rx device
NT2 zt-40 devices
NT2 zt-p devices
NT1 tlp devices
NT2 zeta devices
NT1 toroidal screw pinch devices
NT2 stp-3m device
NT2 tpe-2 device
NT1 toroidal theta pinch devices
NT2 scyllac devices
RT banana regime

toroidal pinch type reactors
Use toroidal pinch devices

TOROIDAL SCREW PINCH DEVICES
*BT1 toroidal pinch devices
NT1 stp-3m device
NT1 tpe-2 device
RT screw pinch

TOROIDAL THETA PINCH DEVICES
*BT1 toroidal pinch devices
NT1 scyllac devices
RT reference theta pinch reactor
RT theta pinch

toronto university slowpoke reactor
Use slowpoke-toronto reactor

TORQUE
RT torsion

torrey pines triga-mark-3 reactor
Use triga-3-la jolla reactor

torrey pines triga-mk-3 reactor
Use triga-3-la jolla reactor

TORSATRON STELLARATORS
(Prior to December 1990, this was spelled TORSATRON STELLARATOR.)
UF *uragan-3 stellarator*
*BT1 stellarators
NT1 atf torsatron
NT1 chs torsatron
NT1 tj-iu torsatron
NT1 vint torsatron
RT heliotron
RT lhd device

TORSION
RT deformation
RT springs
RT torque

TORTUS TOKAMAK
INIS: Mar 1991; ETDE: Apr 1991
(Sydney University, Sydney, Australia.)
*BT1 tokamak devices

TORULA
UF *torulopsis*
*BT1 yeasts

torulopsis
Use torula

torus experiment for technology oriented research
Use textor tokamak

TORUS-II TOKAMAK
INIS: Feb 1977; ETDE: Apr 1977
(Device to be built within the EURATOM-CEA Association.)
*BT1 tokamak devices

TORY-2A REACTOR
INIS: Apr 2000; ETDE: Dec 1974
SF *experimental propulsion test reactor*
*BT1 air cooled reactors
*BT1 experimental reactors
*BT1 propulsion reactors
*BT1 research reactors
*BT1 test reactors

TORY-2C REACTOR
SF *experimental propulsion test reactor*
*BT1 air cooled reactors
*BT1 experimental reactors
*BT1 propulsion reactors
*BT1 test reactors

tosbac computers
Use computers

TOSCA TOKAMAK
INIS: Jun 1987; ETDE: Jul 1987
*BT1 tokamak devices

TOSCO-DYNE PROCESS
INIS: Apr 2000; ETDE: Jan 1979
(Coal is pyrolyzed to intermediate btu gas, liquid product, and char; the char is converted to low btu gas in fluidized bed gasifier.)
*BT1 coal gasification
RT combined-cycle power plants
RT toscoal process

TOSCO PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Crushed raw shale preheated to approx. 400 degrees F is transported to a pyrolysis drum and mixed with ceramic balls preheated to approx. 1100 degrees F when shale reaches a temperature of approx. 900 degrees F, conversion of the kerogen to hydrocarbon vapors is substantially complete. Pyrolysis vapors are then condensed, fractionated and piped to upgrading facility for refining.)
RT oil shales

TOSCOAL PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(The oil shale corporation pyrolysis process that produces char with a high heating value plus oil and gas. Hot ceramic balls are used as a heat source.)
*BT1 coal gasification
RT tosco-dyne process

TOSHIBA REACTOR
UF *toshiba training reactor*
UF *ttr-1 toshiba reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors

*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

toshiba training reactor
Use toshiba reactor

total-absorption spectrometers
Use shower counters

TOTAL CROSS SECTIONS
(Cross sections integrated over all angles and all reaction channels.)
BT1 cross sections
RT excitation functions
RT pomeranchuk theorem

TOTAL ENERGY SYSTEMS
INIS: Dec 1982; ETDE: Feb 1975
(Integral energy systems of high efficiency, e.g., a system utilizing gas-fired turbines or engines that produce electrical energy and utilize exhaust heat in applications such as heating and cooling.)
UF *integrated utility systems*
UF *ius*
BT1 energy systems
RT cogeneration
RT combined cycles
RT energy conservation
RT energy consumption
RT ices program
RT ieus
RT mius
RT steam generation plants

TOTAL FLOW SYSTEMS
INIS: Apr 2000; ETDE: May 1975
(Systems in which the total hot well head brine-steam mixture is passed through a mixed-phase expander to drive a turbine and an electric generating system.)
BT1 energy systems
RT geothermal energy conversion
RT geothermal power plants
RT rotary separator turbines
RT steam
RT thermodynamic cycles
RT water

TOTAL SUSPENDED PARTICULATES
INIS: Jul 1992; ETDE: May 1981
UF *tsp*
*BT1 particulates
RT aerosols
RT air pollution
RT dispersions

toughness (fracture)
Use fracture properties

TOURISM
INIS: Jul 1992; ETDE: Jun 1980
RT hotels
RT industry
RT recreational areas
RT transport

TOURMALINE
*BT1 silicate minerals
RT aluminium silicates
RT boron silicates
RT dielectric track detectors

TOWER FOCUS COLLECTORS
INIS: Apr 2000; ETDE: Jan 1975
*BT1 concentrating collectors
RT advanced components test facility
RT central receiver test facility
RT tower focus power plants

TOWER FOCUS POWER PLANTS
INIS: Jan 1977; ETDE: Sep 1975
UF *central receiver power plants*
UF *eurelios solar power plant*
*BT1 solar thermal power plants
NT1 barstow solar pilot plant
RT advanced components test facility
RT central receiver test facility
RT central receivers
RT tower focus collectors

tower shielding reactor-1
Use tsr-1 reactor

tower shielding reactor-2
Use tsr-2 reactor

towers
See cooling towers
OR mechanical structures
OR power transmission towers

towers (extraction)
Use extraction columns

towers (structures)
Use mechanical structures

TOWN GAS
INIS: Jul 1992; ETDE: Jan 1975
(Gas produced by a public utility for general use.)
*BT1 intermediate btu gas
RT coal gas

townsend avalanche
Use townsend discharge

TOWNSEND DISCHARGE
UF *avalanche multiplication*
UF *townsend avalanche*
UF *townsend formula*
UF *townsend theory*
BT1 electric discharges
RT avalanche quenching

townsend formula
Use townsend discharge

townsend process
See desulfurization

townsend theory
Use townsend discharge

TOXIC MATERIALS
INIS: Mar 1992; ETDE: Jun 1977
(Until March 1992, this concept was indexed by HAZARDOUS MATERIALS.)
*BT1 hazardous materials
NT1 toxins
NT2 endotoxins
NT2 mycotoxins
NT3 aflatoxins
RT chemical warfare agents
RT detoxification
RT polychlorinated biphenyls
RT toxicity

toxic substances control act
Use toxic substances control acts

TOXIC SUBSTANCES CONTROL ACTS
INIS: Mar 1993; ETDE: Aug 1993
(Prior to August 1993 this concept in ETDE was indexed to TOXIC SUBSTANCES CONTROL ACT.)
UF *toxic substances control act*
BT1 laws
RT hazardous materials
RT legislation

TOXICITY
RT acute exposure
RT aflatoxins
RT biological effects
RT chronic exposure
RT detoxification
RT dose-response relationships
RT drugs
RT hazardous materials
RT lethal doses
RT mimosine
RT mycotoxins
RT prenatal exposure
RT toxic materials
RT toxins
RT venoms

TOXINS
BT1 antigens
*BT1 toxic materials
NT1 endotoxins
NT1 mycotoxins
NT2 aflatoxins
RT antitoxins
RT bacteria
RT clostridium
RT detoxification
RT radiotoxins
RT toxicity
RT toxoids
RT venoms

TOXOIDS
INIS: Nov 1975; ETDE: Dec 1975
RT antibodies
RT immune reactions
RT immunity
RT toxins

tpc
Use time projection chambers

TPE-1RM15 DEVICE
INIS: Dec 1989; ETDE: Jan 1990
(Electrotechnical Laboratory, Tsukuba, Ibaraki, Japan.)
*BT1 reversed-field pinch devices
RT reverse-field pinch

TPE-2 DEVICE
INIS: Dec 1989; ETDE: Jan 1990
(Electrotechnical Laboratory, Tsukuba, Ibaraki, Japan.)
*BT1 toroidal screw pinch devices

TPE-RX DEVICE
INIS: Jul 1999; ETDE: Sep 1999
(Electrotechnical Laboratory, Tsukuba, Ibaraki, Japan.)
*BT1 reversed-field pinch devices

TPO
UF *triphenylphosphine oxide*
*BT1 organic phosphorus compounds
*BT1 phosphine oxides

TPX DEVICE
INIS: Sep 1994; ETDE: Aug 1994
(Tokamak Physics Experiment device, Princeton Plasma Physics Laboratory, USA)
*BT1 tokamak devices

TR-0 REACTOR
(Tezkovodni Reaktor nuloveho vykonu.)
UF *czechoslovak tr-0 reactor*
UF *rez tr-0 reactor*
*BT1 heavy water moderated reactors
*BT1 zero power reactors

TR-1 REACTOR
(Cekmece Nuclear Research and Training Centre, Turkish Atomic Energy Authority, Istanbul, Turkey)
UF *turkish reactor-1*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

TR-2 REACTOR
INIS: Jul 1991; ETDE: Jul 1991
(Cekmece Nuclear Research and Training Centre, Turkish Atomic Energy Authority, Istanbul, Turkey)
UF *turkish reactor-2*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

TRABECULAR BONE
*BT1 bone tissues
RT bone marrow

TRACE AMOUNTS
UF+ *trace elements*
RT carrier-free isotopes
RT crystal doping
RT doped materials
RT impurities
RT inclusions
RT ion implantation
RT microanalysis

trace elements
Use elements
AND trace amounts

TRACER TECHNIQUES
SF *radioactive tracers*
BT1 isotope applications
NT1 dual-isotope subtraction technique
NT1 isotope dilution
NT1 labelled pool techniques
NT1 radioactive tracer logging
NT1 radioimmunodetection
NT2 radioimmunoassay
NT2 radioimmunoscintigraphy
NT1 radioreceptor assay
RT autoradiography
RT biological markers
RT crime detection
RT diagnosis
RT diagnostic techniques
RT dynamic function studies
RT labelled compounds
RT nuclear medicine
RT radio-release analysis
RT radiobiology
RT radionuclide kinetics
RT radionuclide migration
RT radiopharmaceuticals
RT renography

TRACHEA
BT1 respiratory system
RT intratracheal administration
RT mediastinum

TRACHYTES
INIS: Apr 2000; ETDE: Aug 1980
*BT1 volcanic rocks
RT perlite

track detectors (dielectric)
Use dielectric track detectors

track detectors (gas)
Use gas track detectors

track detectors (photographic)
Use photographic film detectors

TRACKLESS VEHICLES
INIS: Apr 2000; ETDE: Jun 1979
UF *free steered vehicles*
UF *shuttle cars*
BT1 vehicles

tracks
Use particle tracks

tract c-a prototype oil shale project
Use rio blanco oil shale project

TRACY REACTOR
INIS: Sep 2001; ETDE: Nov 1999
(Tokai Research Establishment of JAERI, Ibaraki Prefecture, Japan)
UF *transient experiment critical facility*
*BT1 enriched uranium reactors
*BT1 plutonium reactors
*BT1 zero power reactors
RT stacy reactor

TRADE
(From February 1979 till May 1996 NET TRADE was a valid ETDE descriptor.)
UF *commerce*
UF *net trade*
NT1 exports
NT1 imports
NT1 nuclear trade
RT business
RT cartels
RT commercial sector
RT competition
RT domestic supplies
RT economics
RT embargoes
RT foreign exchange rate
RT international relations
RT market
RT monopolies
RT oil-importing countries
RT receipts
RT sales
RT small businesses
RT supply and demand
RT tariffs
RT taxes

trade (nuclear)
Use nuclear trade

TRADESCANTIA
*BT1 liliopsida

TRAFFIC CONTROL
INIS: May 1992; ETDE: Jan 1978
(Control of vehicular traffic.)
BT1 control
RT vehicles

trailers
See vehicles

TRAINING
INIS: Feb 1992; ETDE: Oct 1980
(Development or upgrading of a particular skill, usually by intensive or specialized methods; for broad, more leisurely instruction, use EDUCATION.)
UF *job training*
UF *vocational training*
BT1 education
NT1 computer-aided instruction
RT educational tools
RT learning
RT manpower

training facilities
Use educational facilities

TRAINING REACTORS
*BT1 research and test reactors
NT1 aerojet-general nucleonics reactors
NT1 afrri reactor
NT1 ai-l-77 reactor
NT1 akr-1 reactor
NT1 apsara reactor
NT1 arbi reactor
NT1 argonaut reactor
NT1 argos reactor
NT1 athene reactor
NT1 atpr reactor
NT1 bgrr reactor
NT1 budapest training reactor
NT1 byu l-77 reactor
NT1 cesnef reactor
NT1 cirus reactor
NT1 colorado triga-mk-3 reactor
NT1 consort-2 reactor
NT1 cornell triga-mk-2 reactor
NT1 dow triga-mk-1 reactor
NT1 dr-1 reactor
NT1 fir-1 reactor
NT1 fnr reactor
NT1 fr-0 reactor
NT1 frf reactor
NT1 frg-1 reactor
NT1 gleep reactor
NT1 gtrr reactor
NT1 gulf triga-mk-3 reactor
NT1 hor reactor
NT1 htr reactor
NT1 ian-r1 reactor
NT1 iowa utr-10 reactor
NT1 jason reactor
NT1 jrr-1 reactor
NT1 kur reactor
NT1 lfr reactor
NT1 melusine-1 reactor
NT1 merlin reactor
NT1 mitr reactor
NT1 moata reactor
NT1 murr reactor
NT1 ncscr-1 reactor
NT1 nevada university reactor
NT1 nscr reactor
NT1 ostr reactor
NT1 osur reactor
NT1 prnc-l-77 reactor
NT1 pstr reactor
NT1 queen mary college utr-b reactor
NT1 r-b reactor
NT1 ra-1 reactor
NT1 rien-1 reactor
NT1 rts-1 reactor
NT1 rv-1 reactor
NT1 sr-3p reactor
NT1 srrc-utr-100 reactor
NT1 stark reactor
NT1 strasbourg-cronenbourg reactor
NT1 sur-100 series reactor
NT1 thetis reactor
NT1 thor reactor
NT1 toshiba reactor
NT1 tr-1 reactor
NT1 trico reactor
NT1 triga-1-michigan reactor
NT1 triga-2-pavia reactor
NT1 trr-1 reactor
NT1 ucbrr reactor
NT1 uftr reactor
NT1 ulysse reactor
NT1 umne-1 reactor

NT1 umrr reactor
NT1 urr reactor
NT1 utr-10-kinki reactor
NT1 uvar reactor
NT1 uwnr reactor
NT1 uwtr reactor
NT1 vpi-utr-10 reactor
NT1 vr-1 reactor
NT1 wntr reactor
NT1 wpir reactor
NT1 wwr-s-budapest reactor
NT1 x-10 reactor
NT1 zlfr reactor
NT1 zpr reactor

training-research reactor kyoto
Use kur reactor

TRAINS
INIS: Dec 1976; ETDE: Feb 1975
BT1 vehicles
NT1 levitated trains
NT1 locomotives
RT electric railways
RT occupants
RT railroad cars
RT railways
RT rapid transit systems
RT transportation systems

TRAJECTORIES
RT beam dynamics
RT limit cycle
RT motion
RT orbits
RT particle tracks

TRAMEX PROCESS
*BT1 reprocessing
RT amines
RT solvent extraction

TRANQUILIZERS
UF *promazine*
UF *tranquillizers*
*BT1 psychotropic drugs
NT1 chlorpromazine
NT1 reserpine
RT hypnotics and sedatives
RT phenothiazines

tranquillizers
Use tranquilizers

TRANS 104 ELEMENT COMPOUNDS
*BT1 transplutonium compounds
NT1 element 105 compounds
NT1 element 106 compounds
NT1 element 107 compounds
NT1 element 108 compounds
NT1 element 110 compounds
NT1 element 111 compounds
NT1 element 112 compounds
NT1 element 113 compounds
NT1 element 114 compounds

TRANS 104 ELEMENTS
UF *superheavy elements*
*BT1 transplutonium elements
NT1 element 105
NT1 element 106
NT1 element 107
NT1 element 108
NT1 element 109
NT1 element 110
NT1 element 111
NT1 element 112
NT1 element 113
NT1 element 114
NT1 element 115
NT1 element 116
NT1 element 117
NT1 element 118
NT1 element 119
NT1 element 120
NT1 element 126
NT1 element 128
NT1 element 134
NT1 element 145
NT1 element 164
NT1 element 173

transage 117
Use titanium base alloys

transage 120
Use titanium base alloys

transage 129
Use titanium base alloys
AND vanadium alloys
AND zirconium alloys

transage 134
Use titanium base alloys
AND vanadium alloys
AND zirconium alloys

transage 175
Use tin alloys
AND titanium base alloys
AND vanadium alloys

transalaska pipeline
Use alaska oil pipeline

transaminases
Use aminotransferases

transboundary pollution
Use transfrontier pollution

TRANSCRIPTION
INIS: Sep 1981; ETDE: Jun 1976
(The formation of messenger RNA from DNA. The process of transmitting information in a gene into a messenger RNA molecule which can leave the cell nucleus and move to the site of protein synthesis.)
RT dna polymerases
RT dna replication
RT gene regulation
RT gene repressors
RT genes
RT messenger-rna
RT post-translation modification
RT rna polymerases
RT transcription factors

TRANSCRIPTION FACTORS
INIS: Oct 1991; ETDE: Jun 1988
(Proteins that govern which genes RNA polymerases can copy.)
*BT1 proteins
RT gene regulation
RT gene repressors
RT nucleoproteins
RT rna polymerases
RT transcription

TRANSDUCERS
RT electrical equipment
RT measuring instruments

transfer (angular momentum)
Use angular momentum transfer

transfer (electron)
Use electron transfer

transfer (energy)
Use energy transfer

transfer (environmental radionuclides)
Use radionuclide migration

transfer (four momentum)
Use four momentum transfer

transfer (heat)
Use heat transfer

transfer (in environment)
Use radionuclide migration

transfer (in organism)
Use radionuclide kinetics

transfer (linear momentum)
Use linear momentum transfer

transfer (mass)
Use mass transfer

transfer (momentum)
Use momentum transfer

transfer (q-squared)
Use four momentum transfer

transfer (radionuclides in organisms)
Use radionuclide kinetics

transfer factors (biological)
Use ecological concentration

TRANSFER FUNCTIONS
BT1 functions
RT reactor stability
RT real time systems

TRANSFER MATRIX METHOD
BT1 calculation methods
RT cross sections
RT mathematical operators
RT neutron transport theory

TRANSFER NUMBERS
RT electrophoresis

transfer of knowledge
Use technology transfer

TRANSFER REACTIONS
(For nuclear reactions only; see also CHARGE EXCHANGE and ELECTRON TRANSFER.)
UF *quasi-elastic reactions*
*BT1 direct reactions
NT1 multi-nucleon transfer reactions
NT2 four-nucleon transfer reactions
NT3 alpha-transfer reactions
NT2 many-nucleon transfer reactions
NT2 three-nucleon transfer reactions
NT2 two-nucleon transfer reactions
NT1 one-nucleon transfer reactions
NT1 pickup reactions
NT1 stripping
RT incomplete fusion reactions
RT neutron transfer

TRANSFER RNA
*BT1 rna

TRANSFERASES
(Code number 2.)
*BT1 enzymes
NT1 carbon-group transferases
NT2 methyl transferases
NT1 glycosyl transferases

NT2 hexosyl transferases
NT2 pentosyl transferases
NT3 hypoxanthine phosphoribosyltransferase
NT1 nitrogen transferases
NT2 aminotransferases
NT1 phosphorus-group transferases
NT2 nucleotidyltransferases
NT3 polymerases
NT4 dna polymerases
NT4 rna polymerases
NT2 phosphotransferases
NT3 hexokinase

TRANSFERRIN
*BT1 globulins-beta
*BT1 metalloproteins

TRANSFORMATIONS
UF *translation (mathematics)*
NT1 baecklund transformation
NT1 canonical transformations
NT2 bogolyubov transformation
NT2 foldy-wouthuysen transform
NT1 galilei transformations
NT1 integral transformations
NT2 fourier transformation
NT2 hankel transform
NT2 hilbert transformation
NT2 laplace transformation
NT2 mellin transform
NT1 lorentz transformations
NT1 melosh transformation
NT1 orthogonal transformations
NT2 moshinsky transformation
NT1 topological mapping
NT2 conformal mapping

transformations (oncogenic)
Use oncogenic transformations

transformations (phase)
Use phase transformations

transformer oils
Use insulating oils

TRANSFORMERS
*BT1 electrical equipment
NT1 gas-insulated transformers
RT dc to dc converters
RT electric coils
RT insulating oils

TRANSFRONTIER CONTAMINATION
INIS: Dec 1976; ETDE: Mar 1978
(For radioactive contamination only; see also TRANSFRONTIER POLLUTION.)
BT1 contamination
RT bilateral agreements
RT contamination regulations
RT environmental transport
RT radionuclide migration
RT transfrontier pollution

TRANSFRONTIER POLLUTION
INIS: Dec 1976; ETDE: Mar 1980
(For nonradioactive pollution only; for radioactive pollution use TRANSFRONTIER CONTAMINATION.)
UF *transboundary pollution*
BT1 pollution
RT bilateral agreements
RT long-range transport
RT pollution laws
RT pollution regulations
RT transfrontier contamination

TRANSFUSIONS
*BT1 therapy
RT blood
RT blood groups
RT blood substitutes
RT transplants

TRANSGENIC ANIMALS
INIS: Mar 1992; ETDE: Mar 1992
BT1 animals
NT1 transgenic mice

TRANSGENIC MICE
INIS: Mar 1992; ETDE: Mar 1992
*BT1 mice
*BT1 transgenic animals

TRANSGENIC PLANTS
INIS: Apr 1996; ETDE: Apr 1996
(Coordinate with the appropriate descriptor to indicate the transgenic species, when given.)
BT1 plants

transient experiment critical facility
Use tracy reactor

transient nuclear test reactor-kiwi
Use kiwi-tnt reactor

TRANSIENT OVERPOWER ACCIDENTS
INIS: Sep 1979; ETDE: Mar 1979
(Reactor accidents involving continuous ramp reactivity insertion with steady coolant flow but with loss of protection systems which results in fuel element failure.)
UF *top accidents*
*BT1 reactor accidents
RT transients

transient reactor test facility
Use treat reactor

transient species
See reaction intermediates

TRANSIENTS
NT1 electrical transients
RT atws
RT deep level transient spectroscopy
RT overcurrent
RT overvoltage
RT peaks
RT pressurization
RT steady-state conditions
RT sudden approximation
RT surges
RT temperature noise
RT transient overpower accidents
RT variations

TRANSISTOR AMPLIFIERS
*BT1 amplifiers
RT transistors

TRANSISTOR OSCILLATORS
*BT1 oscillators
RT pulse circuits
RT transistors

TRANSISTOR SWITCHING CIRCUITS
*BT1 switching circuits
RT switching diodes

TRANSISTOR TRIGGER CIRCUITS
*BT1 trigger circuits

TRANSISTORS
UF *diode transistors*
BT1 semiconductor devices
NT1 field effect transistors
NT2 mosfet
NT1 junction transistors
NT1 mis transistors
NT1 mos transistors
NT2 mosfet
NT1 phototransistors
NT1 surface barrier transistors
RT electronic circuits
RT transistor amplifiers
RT transistor oscillators

transit-time heating
Use transit-time magnetic pumping

TRANSIT-TIME MAGNETIC PUMPING
(Transit-time magnetic pumping heating.)
UF *transit-time heating*
UF *ttmp*
*BT1 magnetic-pumping heating
RT fast magnetoacoustic waves
RT landau damping

TRANSITION AMPLITUDES
INIS: Dec 1975; ETDE: Aug 1976
BT1 amplitudes
NT1 decay amplitudes

TRANSITION BOILING
*BT1 boiling

TRANSITION ELEMENT ALLOYS
(From November 1983 until March 1992 this was indexed using the descriptors for the specific alloys or the broader term ALLOYS.)
BT1 alloys
NT1 chromium alloys
NT2 alloy-b-1900
NT2 alloy-co36cr22ni22w15fe3
NT3 haynes 188 alloy
NT2 alloy-co43cr20fe18ni13w3
NT3 havar
NT2 alloy-co54cr20w15ni10
NT3 alloy-hs-25
NT3 haynes 25 alloy
NT2 alloy-co60cr30w4
NT3 stellite 6
NT2 alloy-d-979
NT2 alloy-fe40ni35cr22
NT2 alloy-fe44ni33cr21
NT3 incoloy 800h
NT2 alloy-fe46ni33cr21
NT3 incoloy 800
NT3 incoloy 802
NT2 alloy-in-102
NT2 alloy-khn50mbvyu
NT2 alloy-mar-m246
NT2 alloy-mn-21
NT2 alloy-mo-re-1
NT2 alloy-mp35n
NT2 alloy-ni41fe40cr16nb3
NT3 inconel 706
NT2 alloy-ni43fe30cr22mo3
NT3 incoloy 825
NT2 alloy-ni43fe33cr16mo3
NT3 nimonic pe16
NT2 alloy-ni45fe34cr20
NT2 alloy-ni46cr23co19ti5al4
NT3 alloy-in-939
NT2 alloy-ni49cr22fe18mo9
NT3 hastelloy x
NT2 alloy-ni50co20cr15al5mo5
NT3 nimonic 105
NT2 alloy-ni50cr22fe18mo9
NT3 hastelloy xr
NT2 alloy-ni50mo32cr15si3
NT2 alloy-ni51cr48
NT3 inconel 671

TRANSITION ELEMENT COMPLEXES

TRANSITION ELEMENT COMPOUNDS

NT2 zirconium bromides
NT2 zirconium carbides
NT2 zirconium carbonates
NT2 zirconium chlorides
NT2 zirconium fluorides
NT2 zirconium hydrides
NT2 zirconium hydroxides
NT2 zirconium iodides
NT2 zirconium nitrates
NT2 zirconium nitrides
NT2 zirconium oxides
NT2 zirconium perchlorates
NT2 zirconium phosphates
NT2 zirconium phosphides
NT2 zirconium selenides
NT2 zirconium silicates
NT2 zirconium silicides
NT2 zirconium sulfates
NT2 zirconium sulfides
NT2 zirconium tellurides
NT2 zirconium tungstates

TRANSITION ELEMENTS

UF *transition metals*
*BT1 metals
NT1 chromium
NT1 cobalt
NT1 copper
NT1 gold
NT1 hafnium
NT2 hafnium-alpha
NT2 hafnium-beta
NT1 iron
NT2 iron-alpha
NT2 iron-delta
NT2 iron-gamma
NT1 manganese
NT2 manganese-alpha
NT1 molybdenum
NT1 nickel
NT1 niobium
NT2 niobium-alpha
NT2 niobium-beta
NT1 platinum metals
NT2 iridium
NT2 osmium
NT2 palladium
NT2 platinum
NT2 rhodium
NT2 ruthenium
NT1 rhenium
NT1 scandium
NT1 silver
NT1 tantalum
NT1 technetium
NT1 titanium
NT2 titanium-alpha
NT2 titanium-beta
NT1 tungsten
NT2 tungsten-alpha
NT1 vanadium
NT1 yttrium
NT1 zirconium
NT2 zirconium-alpha
NT2 zirconium-beta
NT2 zirconium-omega

TRANSITION FLOW

BT1 fluid flow

TRANSITION HEAT

UF *heat of transition*
UF *latent heat of transition*
*BT1 enthalpy
NT1 fusion heat
NT1 sublimation heat
NT1 vaporization heat
RT differential thermal analysis
RT phase change materials
RT phase transformations

transition metals

Use transition elements

TRANSITION RADIATION

*BT1 electromagnetic radiation

TRANSITION RADIATION DETECTORS

(For detection of transition radiation emitted by particles going from one medium to another.)
*BT1 radiation detectors

TRANSITION TEMPERATURE

UF *temperature (transition)*
*BT1 thermodynamic properties
NT1 boiling points
NT1 critical temperature
NT1 curie point
NT1 dew point
NT1 lambda point
NT1 melting points
NT1 neel temperature
RT ductile-brittle transitions
RT phase transformations

transitions (brittle-ductile)

Use brittle-ductile transitions

transitions (ductile-brittle)

Use ductile-brittle transitions

transitions (energy level)

Use energy-level transitions

transitions (forbidden)

Use forbidden transitions

transitions (phase)

Use phase transformations

translation (computer codes)

Use translators

translation (macromolecules)

Use biosynthesis

translation (mathematics)

Use transformations

translation (mechanical)

Use mechanics

TRANSLATORS

(Computer codes translating programs from one programming language into another.)
UF *translation (computer codes)*
BT1 computer codes
RT programming
RT programming languages

TRANSLOCATION

(See also RADIOACTIVITY TRANSPORT for the movement of and deposition of radioactive materials throughout a reactor.)
RT ions
RT kinetics
RT minerals
RT organic compounds
RT plant sap
RT plants
RT radionuclide migration
RT stable isotopes

TRANSMISSION

(Of particles and radiation through matter; see also DATA TRANSMISSION, MECHANICAL TRANSMISSIONS, or POWER TRANSMISSION.)
NT1 light transmission
RT absorption
RT attenuation
RT opacity

transmission (data)

Use data transmission

transmission (energy)

See power transmission

transmission (heat)

Use heat transfer

TRANSMISSION ELECTRON MICROSCOPY

INIS: Feb 1981; ETDE: Jan 1979
UF *tem (microscopy)*
*BT1 electron microscopy

transmission lines

Use power transmission lines

transmission towers

Use power transmission towers

TRANSMUTATION

(Of nuclides.)
UF *nuclear transmutation*
NT1 accelerator driven transmutation
RT breeding
RT isotope production

TRANSONIC FLOW

BT1 fluid flow
RT aerodynamics
RT compressible flow
RT shock waves
RT supersonic flow

transparency

Use opacity

TRANSPIRATION

(Plants only.)
RT evaporation
RT heat stress
RT leaves
RT physiology
RT plant sap
RT plants
RT stomata
RT water vapor

transpiration (animal)

Use sweat

TRANSPLANTS

NT1 grafts
RT chimeras
RT graft-host reaction
RT host
RT immunity
RT immunosuppression
RT plastic surgery
RT transfusions

transplutonides

Use transplutonium elements

TRANSPLUTONIUM COMPOUNDS

INIS: May 1980; ETDE: May 1980
BT1 transuranium compounds
NT1 americium compounds
NT2 americium carbonates
NT2 americium chlorides
NT2 americium fluorides
NT2 americium hydrides
NT2 americium hydroxides
NT2 americium nitrates
NT2 americium nitrides

NT2 americium oxides
NT2 americium perchlorates
NT2 americium phosphates
NT1 berkelium compounds
NT2 berkelium chlorides
NT2 berkelium fluorides
NT2 berkelium nitrates
NT2 berkelium oxides
NT1 californium compounds
NT2 californium bromides
NT2 californium chlorides
NT2 californium fluorides
NT2 californium oxides
NT1 curium compounds
NT2 curium chlorides
NT2 curium fluorides
NT2 curium iodides
NT2 curium nitrates
NT2 curium oxides
NT1 einsteinium compounds
NT2 einsteinium bromides
NT2 einsteinium chlorides
NT2 einsteinium nitrates
NT2 einsteinium oxides
NT1 element 104 compounds
NT2 element 104 chlorides
NT1 fermium compounds
NT2 fermium bromides
NT1 lawrencium compounds
NT1 mendelevium compounds
NT1 nobelium compounds
NT1 trans 104 element compounds
NT2 element 105 compounds
NT2 element 106 compounds
NT2 element 107 compounds
NT2 element 108 compounds
NT2 element 110 compounds
NT2 element 111 compounds
NT2 element 112 compounds
NT2 element 113 compounds
NT2 element 114 compounds

TRANSPLUTONIUM ELEMENTS

UF *transplutonides*
*BT1 transuranium elements
NT1 americium
NT1 berkelium
NT1 californium
NT1 curium
NT1 einsteinium
NT1 element 104
NT1 fermium
NT1 lawrencium
NT1 mendelevium
NT1 nobelium
NT1 trans 104 elements
NT2 element 105
NT2 element 106
NT2 element 107
NT2 element 108
NT2 element 109
NT2 element 110
NT2 element 111
NT2 element 112
NT2 element 113
NT2 element 114
NT2 element 115
NT2 element 116
NT2 element 117
NT2 element 118
NT2 element 119
NT2 element 120
NT2 element 126
NT2 element 128
NT2 element 134
NT2 element 145
NT2 element 164
NT2 element 173
RT actinides

TRANSPORT

(Limited to the movement of goods and persons. For other types of transport, see descriptors such as ENVIRONMENTAL TRANSPORT, RADIATION TRANSPORT, RADIONUCLIDE MIGRATION, and RADIONUCLIDE KINETICS.)
UF *shipment*
UF *space transport*
SF *travel*
NT1 air transport
NT2 supersonic transport
NT1 hydraulic transport
NT1 land transport
NT2 rail transport
NT2 road transport
NT1 maritime transport
NT1 pneumatic transport
RT arctic gas pipelines
RT barges
RT cargo
RT chain conveyors
RT containers
RT conveyors
RT deep water oil terminals
RT delivery
RT inland waterways
RT lightering
RT mass transit systems
RT materials handling
RT materials handling equipment
RT mine cars
RT navigation
RT nuclear trade
RT packaging
RT packaging rules
RT pipelines
RT propulsion
RT rapid transit systems
RT roads
RT storage
RT tourism
RT transport regulations
RT transportation sector
RT transportation systems
RT vehicles
RT waste transportation

transport (atoms)

Use atom transport

transport (beam)

Use beam transport

transport (charged-particle)

Use charged-particle transport

transport (energy)

See natural gas distribution systems
OR pipelines
OR power transmission

transport (environmental radionuclides)

Use radionuclide migration

transport (environmental)

See environmental transport

transport (gamma)

Use photon transport

transport (in organisms)

Use radionuclide kinetics

transport (neutral-particle)

Use neutral-particle transport

transport (neutron)

Use neutron transport

transport (photon)

Use photon transport

transport (proton)

Use proton transport

transport (radiation)

Use radiation transport

transport (radionuclides in biological systems)

Use radionuclide kinetics

transport (radionuclides in organisms)

Use radionuclide kinetics

transport (reaction product)

Use reaction product transport systems

transport insurance

Use insurance

TRANSPORT REGULATIONS

*BT1 regulations
RT maritime laws
RT nuclear ship visits
RT transport

TRANSPORT THEORY

SF *slaggie model*
NT1 charged-particle transport theory
NT2 neoclassical transport theory
NT2 spitzer theory
NT1 gamma transport theory
NT1 nelkin theory
NT1 neutron transport theory
NT2 multigroup theory
NT2 one-group theory
RT atom transport
RT boltzmann equation
RT boltzmann-vlasov equation
RT case method
RT chapman-enskog theory
RT chapman-ferraro problem
RT discrete ordinate method
RT feynman method
RT fokker-planck equation
RT grad-shafranov equation
RT invariant imbedding
RT moments method
RT monte carlo method
RT poincare-bertrand formula
RT radiation transport
RT scattering
RT van hove theory
RT wick-chandrasekhar method
RT young model
RT yvon method

TRANSPORTABLE REACTORS

(Capable of being moved when not critical and possibly partly dismantled.)
BT1 reactors
NT1 package reactors
NT1 tibr reactor

transportation routes

Use routing

TRANSPORTATION SECTOR

INIS: Apr 1981; ETDE: Jul 1977
SF *end use sector*
RT sectoral analysis
RT taxicabs
RT transport
RT transportation systems

TRANSPORTATION SYSTEMS

INIS: Sep 1992; ETDE: Feb 1975

UF *public transportation systems*
NT1 mass transit systems
NT1 rapid transit systems
RT airports
RT buses
RT carpooling
RT taxicabs
RT trains
RT transport
RT transportation sector
RT vanpooling

TRANSPOSONS

INIS: Jul 1991; ETDE: Dec 1987

(Portions of DNA carrying repeated terminal sequences which confer to the segment the capability of jumping around within the genome.)

RT dna-cloning
RT genes
RT genetic engineering
RT genetic variability
RT plasmids

TRANSURANIUM COMPLEXES

UF+ *lawrencium complexes*
BT1 complexes
NT1 americium complexes
NT1 berkelium complexes
NT1 californium complexes
NT1 curium complexes
NT1 einsteinium complexes
NT1 fermium complexes
NT1 mendelevium complexes
NT1 neptunium complexes
NT2 neptunyl complexes
NT1 nobelium complexes
NT1 plutonium complexes
NT2 plutonyl complexes

TRANSURANIUM COMPOUNDS

NT1 neptunium compounds
NT2 neptunium arsenides
NT2 neptunium bromides
NT2 neptunium carbides
NT2 neptunium carbonates
NT2 neptunium chlorides
NT2 neptunium fluorides
NT2 neptunium hydrides
NT2 neptunium hydroxides
NT2 neptunium iodides
NT2 neptunium nitrates
NT2 neptunium nitrides
NT2 neptunium oxides
NT2 neptunium perchlorates
NT2 neptunium phosphides
NT2 neptunium selenides
NT2 neptunium sulfates
NT2 neptunium sulfides
NT2 neptunium tellurides
NT2 neptunyl compounds
NT1 plutonium compounds
NT2 plutonium arsenides
NT2 plutonium borides
NT2 plutonium carbides
NT2 plutonium carbonates
NT2 plutonium chlorides
NT2 plutonium fluorides
NT2 plutonium hydrides
NT2 plutonium hydroxides
NT2 plutonium iodides
NT2 plutonium nitrates
NT2 plutonium nitrides
NT2 plutonium oxides
NT3 plutonium dioxide
NT2 plutonium phosphates
NT2 plutonium phosphides
NT2 plutonium selenides
NT2 plutonium sulfates
NT2 plutonium sulfides
NT2 plutonium tellurides
NT2 plutonyl compounds
NT1 transplutonium compounds
NT2 americium compounds
NT3 americium carbonates
NT3 americium chlorides
NT3 americium fluorides
NT3 americium hydrides
NT3 americium hydroxides
NT3 americium nitrates
NT3 americium nitrides
NT3 americium oxides
NT3 americium perchlorates
NT3 americium phosphates
NT2 berkelium compounds
NT3 berkelium chlorides
NT3 berkelium fluorides
NT3 berkelium nitrates
NT3 berkelium oxides
NT2 californium compounds
NT3 californium bromides
NT3 californium chlorides
NT3 californium fluorides
NT3 californium oxides
NT2 curium compounds
NT3 curium chlorides
NT3 curium fluorides
NT3 curium iodides
NT3 curium nitrates
NT3 curium oxides
NT2 einsteinium compounds
NT3 einsteinium bromides
NT3 einsteinium chlorides
NT3 einsteinium nitrates
NT3 einsteinium oxides
NT2 element 104 compounds
NT3 element 104 chlorides
NT2 fermium compounds
NT3 fermium bromides
NT2 lawrencium compounds
NT2 mendelevium compounds
NT2 nobelium compounds
NT2 trans 104 element compounds
NT3 element 105 compounds
NT3 element 106 compounds
NT3 element 107 compounds
NT3 element 108 compounds
NT3 element 110 compounds
NT3 element 111 compounds
NT3 element 112 compounds
NT3 element 113 compounds
NT3 element 114 compounds

TRANSURANIUM ELEMENTS

BT1 elements
NT1 neptunium
NT2 neptunium-alpha
NT2 neptunium-gamma
NT1 plutonium
NT2 plutonium-alpha
NT2 plutonium-beta
NT2 plutonium-delta
NT2 plutonium-epsilon
NT2 plutonium-gamma
NT1 transplutonium elements
NT2 americium
NT2 berkelium
NT2 californium
NT2 curium
NT2 einsteinium
NT2 element 104
NT2 fermium
NT2 lawrencium
NT2 mendelevium
NT2 nobelium
NT2 trans 104 elements
NT3 element 105
NT3 element 106
NT3 element 107
NT3 element 108
NT3 element 109
NT3 element 110
NT3 element 111
NT3 element 112
NT3 element 113
NT3 element 114
NT3 element 115
NT3 element 116
NT3 element 117
NT3 element 118
NT3 element 119
NT3 element 120
NT3 element 126
NT3 element 128
NT3 element 134
NT3 element 145
NT3 element 164
NT3 element 173
RT actinides

transuranium wastes

Use alpha-bearing wastes

TRANSVAAL

*BT1 south africa
RT witwatersrand

TRANSVERSE ENERGY

INIS: Apr 1989; ETDE: Jan 1989

(The kinetic energy of any particle, or group of particles, detected during a particle/target or beam/target interaction at a nonzero angle measured with respect to the initial particle or beam direction.)

*BT1 kinetic energy
RT angular distribution
RT anisotropy
RT energy spectra
RT nuclear reactions
RT particle interactions
RT transverse momentum

TRANSVERSE MOMENTUM

UF *momentum (transverse)*
BT1 linear momentum
RT center-of-mass system
RT interactions
RT longitudinal momentum
RT nuclear reactions
RT particle interactions
RT straight-line path approximation
RT transverse energy

TRAPPED ELECTRONS

*BT1 electrons
RT electron precipitation

TRAPPED-PARTICLE INSTABILITY

*BT1 plasma macroinstabilities
RT banana regime
RT closed plasma devices

TRAPPED PROTONS

INIS: Apr 1977; ETDE: Jun 1977

*BT1 protons
RT aurorae
RT proton precipitation

TRAPPING

(Includes trapping of electrons or holes in lattices and trapping of particles in fields.)

NT1 banana regime
RT crystal lattices
RT greenhouse effect
RT holes

RT magnetic fields
RT plateau regime

TRAPS
(Equipment for trapping of electrons or holes in lattices and trapping of particles in fields; see also FILTERS.)
NT1 cold traps
NT1 steam traps
RT deep level transient spectroscopy
RT electrons
RT holes
RT luminescence
RT photoconductivity
RT photolysis
RT semiconductor materials
RT vacancies

trauma
Use injuries

traumatic shock
Use biological shock
AND injuries

TRAVALE GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Dec 1985
BT1 geothermal fields
RT italy
RT vapor-dominated systems

travel
See transport

TRAVELLING IONOSPHERIC DISTURBANCE
UF *tid*
*BT1 ionospheric storms
RT ionosphere

TRAVELLING WAVE TUBES
*BT1 microwave tubes
RT rf systems

TRAVELLING WAVES
UF *waves (travelling)*
RT electromagnetic radiation
RT mechanical vibrations
RT standing waves
RT wave propagation
RT waveguides

TRAVERTINE
INIS: Apr 2000; ETDE: Jan 1976
(A calcium carbonate deposited from solution in ground and surface waters.)
*BT1 limestone
RT calcium carbonates

TRAWSFYNYDD REACTOR
(Merionethshire, Wales, UK)
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 thermal reactors

trce(thermionic reactor critical experiments)
Use thermionic reactors
AND zero power reactors

TREAT REACTOR
(ANL, Idaho National Engineering Lab., Idaho Falls, Idaho, USA)
UF *transient reactor test facility*
*BT1 air cooled reactors
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 graphite moderated reactors
*BT1 solid homogeneous reactors
*BT1 test reactors
*BT1 thermal reactors

TREATIES
NT1 bangkok treaty
NT1 ctbt
NT1 non-proliferation treaty
NT1 pelindaba treaty
NT1 rarotonga treaty
NT1 tlatelolco treaty
RT international agreements
RT international laws
RT negotiation
RT salt talks
RT verification

treatment (therapy)
Use therapy

treaty for prohibition of nuclear weapons in latin america
Use tlatelolco treaty

TREE RINGS
INIS: Jun 1993; ETDE: Jun 1976
SF *growth rings*
RT trees

TREES
(From June 1981 till March 1997 COPAIFERA was a valid ETDE descriptor.)
UF *betula*
UF *copaiba*
UF *copaifera*
UF *mahogany trees*
UF+ *honeylocust trees*
BT1 plants
NT1 beech trees
NT1 birches
NT1 cacao trees
NT1 cedars
NT1 chestnut trees
NT1 coconut palms
NT1 deciduous trees
NT1 eucalyptuses
NT1 firs
NT1 fruit trees
NT1 locust trees
NT1 mangroves
NT1 maples
NT1 mesquite
NT1 oaks
NT1 oil palms
NT1 olive trees
NT1 pecan trees
NT1 pines
NT1 poplars
NT2 aspens
NT2 cottonwoods
NT1 rubber trees
NT2 guayule
NT2 hevea
NT1 spruces
NT1 sweet gums
NT1 sycamores
NT1 willows
RT bark
RT canopies
RT conifers
RT forests
RT preferred species
RT short rotation cultivation
RT silviculture
RT tree rings
RT wood
RT wood fuels
RT xylans

TREMATODES
UF *flukes (trematodes)*
*BT1 platyhelminths
NT1 fasciola
NT1 schistosoma

tretamine
Use alkylating agents

TRH
UF *thyrotropin-releasing hormone*
*BT1 peptide hormones
RT hypothalamus
RT tsh

tri-2-ethylhexyl phosphate
Use phosphoric acid esters

tri-gas process
Use coal gasification

tri-university meson facility
Use triumf cyclotron

TRIACETONEAMINE-N-OXYL
UF *tan*
UF *tetramethyl-4-piperidone-n-oxyl*
*BT1 ketones
*BT1 organic oxygen compounds
*BT1 piperidines
*BT1 radiosensitizers

TRIAM-1 TOKAMAK
INIS: Mar 1983; ETDE: Mar 1983
*BT1 tokamak devices

TRIANGULAR CONFIGURATION
BT1 configuration

TRIASSIC PERIOD
INIS: Apr 1992; ETDE: Oct 1977
*BT1 mesozoic era

TRIAZINES
(Compounds that contain a six-membered heterocyclic ring containing three nitrogen atoms.)
*BT1 azines
NT1 cyanurates
NT1 melamine

TRIAZOLES
(Compounds that contain a five-membered heterocyclic ring containing three nitrogen atoms.)
*BT1 azoles

TRIBALOY 400
INIS: Apr 2000; ETDE: Aug 1979
*BT1 chromium alloys
*BT1 cobalt base alloys
*BT1 iron alloys
*BT1 molybdenum alloys

tribaloy 700
Use alloy-ni50mo32cr15si3

TRIBALOY 800
INIS: Nov 1983; ETDE: Aug 1979
*BT1 chromium alloys
*BT1 cobalt base alloys
*BT1 corrosion resistant alloys
*BT1 heat resisting alloys
*BT1 iron alloys
*BT1 molybdenum alloys
*BT1 silicon alloys

TRIBOLIUM
*BT1 beetles

TRIBOLOGY
INIS: Feb 1992; ETDE: Apr 1978
(Science dealing with physical, chemical, and metallurgical phenomena of interacting surfaces in relative motion.)
RT bearings

RT friction
RT lubricants
RT lubricating oils
RT lubrication
RT surface properties
RT wear

tributyl phosphate
Use tbp

tributylphosphine oxide
Use tbpo

tricarballylic acid
Use carboxylic acids

TRICASTIN-1 REACTOR
INIS: Oct 1985; ETDE: Nov 1985
(Troischateaux, Drome, France)
*BT1 pwr type reactors

TRICASTIN-4 REACTOR
INIS: Apr 1988; ETDE: May 1988
(Troischateaux, Drome, France.)
*BT1 pwr type reactors

TRICHINELLA
*BT1 nematodes
RT meat
RT trichinosis

TRICHINOSIS
*BT1 parasitic diseases
RT gastrointestinal tract
RT inflammation
RT muscles
RT trichinella

trichloroacetaldehyde
Use chloral

trichloromethane
Use chloroform

TRICHODERMA
INIS: Dec 1991; ETDE: Mar 1978
*BT1 eumycota
NT1 trichoderma viride

trichoderma reesei
Use trichoderma viride

TRICHODERMA VIRIDE
INIS: Dec 1991; ETDE: Nov 1977
UF *trichoderma reesei*
*BT1 trichoderma

TRICKLE-TYPE COLLECTORS
INIS: Apr 2000; ETDE: Sep 1978
UF *open-flow collectors*
UF *thomason collectors*
*BT1 flat plate collectors

TRICLINIC LATTICES
*BT1 crystal lattices

TRICO REACTOR
(Kinshasa, Zaire)
UF *congo kinshasa triga reactor*
UF *triga-congo reactor*
*BT1 isotope production reactors
*BT1 thermal reactors
*BT1 training reactors
*BT1 triga type reactors

tricresyl phosphates
Use tcp

TRIDENT FACILITY
INIS: Jul 1999; ETDE: Sep 1999
(Neodymium laser facility at LANL.)
RT lanl
RT laser fusion reactors
RT neodymium lasers

TRIDODECYLAMINE
UF *trilaurylamine*
*BT1 amines
BT1 chelating agents

triethylenemelamine
Use alkylating agents

triethylenetetraaminehexaacetic acid
Use tetaha

triethylenetetramine
Use teta

TRIGA-1-ARIZONA REACTOR
INIS: Nov 1988; ETDE: Apr 1987
(Prior to December 1988 this material was indexed to TRIGA-1-ARIZONA.)
*BT1 triga type reactors

TRIGA-1-CALIFORNIA REACTOR
UF *california irvine triga-mk-1 reactor*
UF *irvine triga reactor*
UF *irvine triga-mk-1 reactor*
UF *ucirr reactor*
UF *university of california irvine reactor*
*BT1 isotope production reactors
*BT1 pulsed reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA-1-HANFORD REACTOR
INIS: Sep 1979; ETDE: Jan 1979
UF *hanford neutron radiography facility*
*BT1 materials testing reactors
*BT1 triga type reactors

TRIGA-1-HANOVER REACTOR
INIS: Jul 1991; ETDE: Jan 1975
UF *frh reactor*
UF *hannover triga-mk-1 reactor*
*BT1 isotope production reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA-1-HEIDELBERG REACTOR
UF *heidelberg triga-mk-1-dkfz reactor*
UF *triga-mark-i-dkfz heidelberg reactor*
UF *triga-mk-1-dkfz heidelberg reactor*
SF *triga-2-heidelberg reactor*
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA-1-MICHIGAN REACTOR
INIS: Feb 1976; ETDE: Jan 1977
(Michigan State University, East Lansing, Michigan, USA)
UF *michigan state triga-mk-1 reactor*
*BT1 isotope production reactors
*BT1 pulsed reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 training reactors
*BT1 triga type reactors

TRIGA-2-BANDUNG REACTOR
INIS: Jan 1995; ETDE: Jan 1975
UF *indonesian triga-mk-2 reactor*
*BT1 isotope production reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA-2-BANGLADESH REACTOR
INIS: Sep 1999; ETDE: Nov 1999
(Atomic Energy Research Establishment, Dhaka, Bangladesh.)
*BT1 isotope production reactors
*BT1 pulsed reactors
*BT1 thermal reactors
*BT1 triga type reactors

triga-2-cornell reactor
Use cornell triga-mk-2 reactor

TRIGA-2-DALAT REACTOR
(Dalat, Socialist Republic of Viet-Nam)
UF *dalat triga-mk-2 reactor*
UF *vietnamese triga-mk-2 reactor*
UF *vietnamese triga-mk-ii reactor*
*BT1 isotope production reactors
*BT1 thermal reactors
*BT1 triga type reactors

triga-2-heidelberg reactor
See triga-1-heidelberg reactor

TRIGA-2-ILLINOIS REACTOR
(Univ. of Illinois, Urbana, Illinois, USA)
UF *illinois university triga-mk-2 reactor*
UF *university of illinois triga-mk-2 reactor*
UF *university of illinois triga-mk-ii reactor*
*BT1 isotope production reactors
*BT1 pulsed reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA-2-KANSAS REACTOR
(Kansas State Univ., Manhattan, Kansas, USA)
UF *kansas state university triga mk-2 reactor*
*BT1 isotope production reactors
*BT1 pulsed reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA-2-LJUBLJANA REACTOR
(J. Stefan Institute, Ljubljana, Slovenia)
UF *ljubljana triga-mk-2 reactor*
UF *yugoslav triga-mk-2 reactor*
UF *yugoslav triga-mk-ii reactor*
*BT1 isotope production reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA-2-MAINZ REACTOR
(Institut fuer Kernchemie, Univ. Mainz, Mainz, F.R. Germany)
UF *german (mainz) triga-mk-2 reactor*
UF *mainz triga-mk-2 reactor*
*BT1 isotope production reactors
*BT1 pulsed reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA-2-MUSASHI REACTOR
(Atomic Energy Research Lab., Musashi Institute of Technology University, Kanagawa Prefecture, Japan)
UF *musashi institute of technology triga reactor*
*BT1 isotope production reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA-2-PAVIA REACTOR
(Pavia, Italy)
UF *lena triga-mk-2 pulsed reactor*
UF *pavia triga-mk-2 reactor*

*BT1 isotope production reactors
*BT1 pulsed reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 training reactors
*BT1 triga type reactors

TRIGA-2-PITESTI REACTOR

(Institute for Nuclear Power Research, Pitesti, Romania.)
*BT1 isotope production reactors
*BT1 pulsed reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA-2 REACTOR

UF *triga-mark-ii reactor*
UF *triga-mk-2 reactor*
*BT1 isotope production reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA-2-RIKKYO REACTOR

(Institute for Atomic Energy, Rikkyo University, Kanagawa Prefecture, Japan)
UF *rikkyo university triga-mk-2 reactor*
UF *rikkyo university triga-mk-ii reactor*
*BT1 isotope production reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA-2-ROME REACTOR

UF *italian triga-mark-ii reactor*
UF *italian triga-mk-2 reactor*
UF *rc-1 reactor*
UF *reattore casaccia-1*
UF *rome triga-mk-2 reactor*
*BT1 isotope production reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA-2-SEOUL REACTOR

(Korea Atomic Energy Research Institute, Cheong Ryang, Seoul, Korea)
UF *korean triga-mk-2 reactor*
UF *seoul triga-mk-2 reactor*
*BT1 isotope production reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA-2-VIENNA REACTOR

(Atominstitute of the Austrian Universities/Austrian Fed. Min. of Science and Research, Vienna, Austria)
UF *austrian triga-mark-ii reactor*
UF *austrian triga-mk-2 reactor*
UF *vienna triga-mk-2 reactor*
*BT1 isotope production reactors
*BT1 thermal reactors
*BT1 triga type reactors

triga-3-gulf reactor

Use gulf triga-mk-3 reactor

TRIGA-3-LA JOLLA REACTOR

UF *la jolla triga-mk-3 reactor*
UF *torrey pines triga-mark-3 reactor*
UF *torrey pines triga-mk-3 reactor*
*BT1 triga type reactors

TRIGA-3-MUNICH REACTOR

INIS: Apr 2000; ETDE: Jan 1975
*BT1 isotope production reactors
*BT1 pulsed reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA-3-SALAZAR REACTOR

UF *mexican triga-mark-3 reactor*
UF *mexican triga-mk-3 reactor*
UF *salazar triga-mk-3 reactor*
*BT1 isotope production reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA-3-SEOUL REACTOR

INIS: May 1980; ETDE: Jan 1975
(Korea Atomic Energy Research Institute, Cheong Ryang, Seoul, Korea)
UF *korean triga-mk-3 reactor*
UF *seoul triga-mk-3 reactor*
*BT1 isotope production reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA-BRAZIL REACTOR

(Instituto de Pesquisas Radioativas Nuclebras, Cidade Universitaria-Pampulma, Minas Gerais, Brazil)
UF *brazil triga reactor*
UF *minas gerais university triga reactor*
UF *university minas gerais triga reactor*
*BT1 isotope production reactors
*BT1 thermal reactors
*BT1 triga type reactors

triga-congo reactor

Use trico reactor

triga-f-dasa reactor

Use afrri reactor

triga-mark-i-dkfz heidelberg reactor

Use triga-1-heidelberg reactor

triga-mark-ii reactor

Use triga-2 reactor

triga-mk-1-dkfz heidelberg reactor

Use triga-1-heidelberg reactor

triga-mk-2 reactor

Use triga-2 reactor

triga-mk-3 reactor

See atpr reactor
OR colorado triga-mk-3 reactor

triga-mk-f prototype reactor

Use atpr reactor

triga-pennsylvania reactor

Use pstr reactor

triga puspati reactor

Use rtp reactor

TRIGA-TEXAS REACTOR

(Univ. of Texas, Balcones Research Center, near Austin, Texas, USA)
UF *texas university triga reactor*
UF *university of texas triga reactor*
*BT1 isotope production reactors
*BT1 pulsed reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGA TYPE REACTORS

*BT1 enriched uranium reactors
*BT1 hydride moderated reactors
*BT1 research and test reactors
*BT1 solid homogeneous reactors
*BT1 water cooled reactors
*BT1 water moderated reactors
NT1 afrri reactor
NT1 atpr reactor
NT1 colorado triga-mk-3 reactor
NT1 cornell triga-mk-2 reactor
NT1 dow triga-mk-1 reactor
NT1 fir-1 reactor
NT1 frf-2 reactor
NT1 frn reactor
NT1 gulf triga-mk-3 reactor
NT1 kartini-ppny reactor
NT1 lopra reactor
NT1 nscr reactor
NT1 ostr reactor
NT1 prpr reactor
NT1 pstr reactor
NT1 rtp reactor
NT1 trico reactor
NT1 triga-1-arizona reactor
NT1 triga-1-california reactor
NT1 triga-1-hanford reactor
NT1 triga-1-hanover reactor
NT1 triga-1-heidelberg reactor
NT1 triga-1-michigan reactor
NT1 triga-2 reactor
NT1 triga-2-bandung reactor
NT1 triga-2-bangladesh reactor
NT1 triga-2-dalat reactor
NT1 triga-2-illinois reactor
NT1 triga-2-kansas reactor
NT1 triga-2-ljubljana reactor
NT1 triga-2-mainz reactor
NT1 triga-2-musashi reactor
NT1 triga-2-pavia reactor
NT1 triga-2-pitesti reactor
NT1 triga-2-rikkyo reactor
NT1 triga-2-rome reactor
NT1 triga-2-seoul reactor
NT1 triga-2-vienna reactor
NT1 triga-3-la jolla reactor
NT1 triga-3-munich reactor
NT1 triga-3-salazar reactor
NT1 triga-3-seoul reactor
NT1 triga-brazil reactor
NT1 triga-texas reactor
NT1 triga-veterans reactor
NT1 ucbrr reactor
NT1 uwnr reactor
NT1 wsur reactor

TRIGA-VETERANS REACTOR

(Omaha V.A. Medical Center/U.S. Veterans Administration, Omaha, Nebraska, USA)
UF *omaha veterans triga-mk-1*
UF *veterans administration hospital triga reactor*
*BT1 isotope production reactors
*BT1 thermal reactors
*BT1 triga type reactors

TRIGGER CIRCUITS

*BT1 pulse circuits
NT1 transistor trigger circuits

TRIGLYCERIDES

UF+ *butter fat*
UF+ *croton oil*
UF+ *tiglium oil*
*BT1 esters
*BT1 lipids
NT1 corn oil
NT1 linseed oil
NT1 olive oil
NT1 peanut oil
NT1 soybean oil
NT1 triolein
RT glycerol
RT oils

TRIGONAL LATTICES

UF *rhombohedral lattices*
*BT1 crystal lattices

trihydroxyaromatics

Use polyphenols

trihydroxybenzoic acid

Use gallic acid

trihydroxyglutaric acid
Use hydroxy acids

TRIIODOTHYRONINE
UF *t3 hormone*
*BT1 thyroid hormones
RT diiodothyronine
RT thyronine

triketohydrindane
Use ketones

trilaurylamine
Use tridodecylamine

trillium
Use liliopsida

TRILLO-1 REACTOR
INIS: May 1979; ETDE: Sep 1979
(Trillo, Guadalajara, Spain)
*BT1 pwr type reactors

trimethylacetic acid
Use pivalic acid

trimethylbenzene-sym
Use mesitylene

TRINEUTRONS
*BT1 polyneutrons

TRINIDAD AND TOBAGO
INIS: Jun 1992; ETDE: Jan 1975
*BT1 lesser antilles

trinitrophenol
Use picric acid

trinitrotoluene
Use tnt

TRINITY EVENT
*BT1 atmospheric explosions
*BT1 nuclear explosions

trino vercellese reactor
Use selni reactor

trinonylamine
Use amines
AND chelating agents

trioctylamine
Use toa

trioctylphosphine oxide
Use topo

trioctylphosphine sulfide
Use tops

TRIODE TUBES
BT1 electron tubes

TRIOLEIN
UF *glyceryl trioleate*
UF *olein*
*BT1 oils
*BT1 triglycerides
RT oleic acid

TRIOXANES
*BT1 heterocyclic compounds
*BT1 organic oxygen compounds
RT organic solvents

trioxyglutaric acid
Use hydroxy acids

TRIPHENYLENE
*BT1 condensed aromatics
*BT1 hydrocarbons

TRIPHENYLMETHANE DYES
UF+ *aluminon*
UF+ *aurin*
UF+ *aurintricarboxylic acid*
UF+ *chrome violet*
BT1 dyes
NT1 methyl violet
NT1 methylthymol blue

triphenylphosphine oxide
Use tpo

TRIPLASMATRONS
BT1 ion sources
*BT1 plasmatrons

TRIPLE POINT
INIS: Feb 1988; ETDE: Jul 1986
(The temperature and pressure at which the solid, liquid and vapor phases of a substance coexist in equilibrium with one another.)
RT phase diagrams
RT phase transformations

triplet particles
Use quarks

TRIPLETS
BT1 multiplets

tristan project
Use tristan storage rings

TRISTAN SEPARATOR
INIS: May 1986; ETDE: Mar 1985
(An on-line isotope separator facility for the study of neutron-rich nuclei far from stability located at the high-flux beam reactor at BNL.)
BT1 electromagnetic isotope separators
*BT1 reactor experimental facilities
RT hfbr reactor

TRISTAN STORAGE RINGS
INIS: Sep 1981; ETDE: Oct 1981
(Transposable Ring Intersecting STorage Accelerators in Nippon.)
UF *kek intersecting storage accelerator*
UF *tristan project*
BT1 storage rings

tritiated compounds
Use tritium compounds

tritiated water
Use tritium oxides

triticum
Use wheat

TRITIDES
INIS: Mar 1986; ETDE: Mar 1991
*BT1 tritium compounds
NT1 deuterium tritide
NT1 helium tritides
NT1 hydrogen tritide
NT1 lithium tritides

TRITIUM
UF *hydrogen 3*
*BT1 beta-minus decay radioisotopes
*BT1 hydrogen isotopes
*BT1 light nuclei
*BT1 odd-even nuclei
*BT1 years living radioisotopes
RT thermonuclear fuels
RT tritium extraction plants
RT tritium meters
RT tritons

TRITIUM COMPOUNDS
UF *tritiated compounds*
BT1 hydrogen compounds
NT1 tritides
NT2 deuterium tritide
NT2 helium tritides
NT2 hydrogen tritide
NT2 lithium tritides
NT1 tritium oxides
RT labelled compounds
RT tritium extraction plants

TRITIUM EXTRACTION PLANTS
INIS: Oct 1975; ETDE: Dec 1978
*BT1 isotope separation plants
RT heavy water
RT tritium
RT tritium compounds

tritium hydride
Use hydrogen tritide

TRITIUM IONS
*BT1 ions
RT d-t operation

TRITIUM METERS
INIS: Sep 1981; ETDE: Sep 1978
*BT1 meters
RT chemical analysis
RT tritium

TRITIUM OXIDES
UF *hto*
UF *tritiated water*
UF+ *dto*
*BT1 oxides
*BT1 tritium compounds
*BT1 water

TRITIUM PRODUCTION REACTORS
*BT1 irradiation reactors
NT1 celestin reactor

TRITIUM RECOVERY
(In thermonuclear reactors and/or devices.)
UF *recovery (tritium)*
SF *recovery*
RT breeding
RT breeding blankets
RT plasma confinement
RT thermonuclear devices
RT thermonuclear reactors

TRITIUM SYSTEMS TEST ASSEMBLY
INIS: Jul 1986; ETDE: May 1983
(Facility to test and demonstrate safe handling of tritium in a manner similar to that required for a thermonuclear reactor.)
UF *tsta*
BT1 test facilities
RT thermonuclear fuels
RT thermonuclear reactor fueling

TRITIUM TARGET
BT1 targets

triton
See tritons
OR triturus

TRITON BEAMS
*BT1 radioactive ion beams
RT tritons

TRITON REACTIONS
*BT1 charged-particle reactions

TRITON REACTOR
(CEA, Paris, France)
*BT1 enriched uranium reactors

*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

TRITONS
SF *triton*
BT1 charged particles
NT1 antitritons
RT tritium
RT triton beams

TRITURUS
SF *triton*
*BT1 salamanders

TRIUMF CYCLOTRON
UF *tri-university meson facility*
*BT1 isochronous cyclotrons

trochotrons
Use counting tubes

TROILITE
*BT1 pyrrhotite
RT iron meteorites

TROJAN REACTOR
(Prescott, Oregon, USA)
*BT1 pwr type reactors

trombay r-5 reactor
Use dhruva reactor

TROMBE WALLS
INIS: Apr 2000; ETDE: Oct 1977
*BT1 passive solar heating systems
BT1 walls
RT buildings
RT sensible heat storage

TROMMELS
INIS: Apr 2000; ETDE: Apr 1982
BT1 screens
RT particle size classifiers

TRONA
INIS: Apr 2000; ETDE: Jun 1975
(Naturally occurring sodium sesquicarbonate.)
*BT1 carbonate minerals
RT sodium carbonates

TROPICAL MEDICINE
BT1 medicine
RT tropical regions

TROPICAL REGIONS
RT climates
RT savannas
RT tropical medicine

TROPOMYOSIN
INIS: Apr 2000; ETDE: Jan 1980
*BT1 proteins
RT actin
RT muscles
RT myosin

TROPONES
UF *cycloheptatrienones*
*BT1 ketones

TROPOPAUSE
*BT1 troposphere
RT boundary layers
RT global fallout
RT stratosphere

TROPOSKIEN SHAPE
INIS: Apr 2000; ETDE: Apr 1975
(The shape that a perfectly flexible cable of uniform density and cross section would assume if spun about a vertical axis. If this shape is used for turbine blades operating on a vertical axis, then rotation will not cause the blades to bend, and all stresses will be pure tension.)
BT1 shape
RT wind turbines

TROPOSPHERE
BT1 earth atmosphere
NT1 tropopause
RT air
RT air-water interactions

TROUT
*BT1 fishes
RT seafood

TRR-1 REACTOR
(Office of Atomic Energy for Peace (OAEP), Ministry of Industry, Bangkok, Thailand)
UF *thai research reactor-1*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

tru wastes
Use alpha-bearing wastes

truck transport
Use road transport
AND trucks

TRUCKS
(Until March 1999 this concept was indexed by VEHICLES.)
UF+ *truck transport*
BT1 vehicles
RT occupants
RT road tests

TRUEX PROCESS
INIS: Jul 1989; ETDE: Aug 1989
*BT1 reprocessing
RT cmpo
RT solvent extraction

TRUST TERRITORY OF THE PACIFIC ISLANDS
INIS: Jun 1992; ETDE: Dec 1979
(The territory encompasses more than 2,000 Pacific islets, atolls, and mountainous islands with a population of about 113,000.)
UF *palau islands*
BT1 islands
NT1 mariana islands
NT2 guam
RT pacific ocean
RT usa

truth model
Use flavor model

TRW PROCESS
INIS: Apr 2000; ETDE: Apr 1978
(Pyritic sulfur is removed by leaching with aqueous ferric sulfate at moderate temperatures, pressures and long retention times. The process employs extensive water washing for sulfate removal. The ferric ion lixivant is simultaneously regenerated in the reaction chamber using oxygen.)
*BT1 desulfurization
RT coal preparation

trx-1
Use reverse-field pinch

trypaflavine
Use acriflavine

TRYPAN BLUE
*BT1 amines
*BT1 azo dyes
*BT1 naphthols
*BT1 sulfonic acids

TRYPANOSOMA
*BT1 mastigophora
BT1 parasites
RT glossina
RT trypanosomiasis

TRYPANOSOMES
INIS: Apr 2000; ETDE: Jan 1975
RT parasites

TRYPANOSOMIASIS
*BT1 parasitic diseases
RT trypanosoma

TRYPSIN
(Code number 3.4.21.4.)
*BT1 serine proteinases
RT digestion
RT pancreas

TRYPTAMINES
*BT1 amines
*BT1 indoles
NT1 melatonin
NT1 serotonin
NT2 bufotenine

TRYPTOPHAN
*BT1 amino acids
*BT1 heterocyclic acids
*BT1 indoles
RT hydroxytryptophan

tryptophan oxygenase
Use oxygenases

TS-3 DEVICE
INIS: Jul 1999; ETDE: Sep 1999
(Tokyo University, Japan)
*BT1 spheromak devices

tschebyscheff approximation
Use polynomials

tsetse fly
Use glossina

TSH
UF *thyroid stimulating hormone*
*BT1 pituitary hormones
RT thyroid hormones
RT trh

TSL PROCESS
INIS: Apr 2000; ETDE: Nov 1979
(Coal is dissolved and partially hydrogenated in a process derived solvent (as in src process) and then catalytically hydrocracked in a separate reactor (as in lc-fining).)
*BT1 coal liquefaction

tsp
Use total suspended particulates

tsp tokamak
Use t-14 tokamak

TSR-1 REACTOR
(Oak Ridge National Lab., Oak Ridge, Tennessee, USA)
UF *tower shielding reactor-1*
*BT1 enriched uranium reactors
*BT1 tank type reactors
*BT1 test reactors

TSR-2 REACTOR
(Oak Ridge National Lab., Oak Ridge, Tennessee, USA)
UF *tower shielding reactor-2*
*BT1 research reactors
*BT1 test reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

TSR STORAGE RING
INIS: Sep 1993; ETDE: Nov 1993
UF *heidelberg storage ring*
BT1 storage rings

tsta
Use tritium systems test assembly

tsukuba kek synchrotron
Use kek synchrotron

TSUNAMIS
(A great sea wave produced by submarine earth movement or volcanic eruption.)
UF *tidal waves*
*BT1 water waves
RT earthquakes
RT natural disasters
RT seas
RT seismic events
RT seismic waves

tsuruga-1 reactor
Use tsuruga reactor

TSURUGA-2 REACTOR
INIS: Jun 1983; ETDE: Jul 1983
UF *japco-4 reactor*
*BT1 pwr type reactors

TSURUGA REACTOR
(Tsuruga, Fukui, Japan)
UF *japco-2 reactor*
UF *tsuruga-1 reactor*
*BT1 bwr type reactors

TTA
UF *thenoyltrifluoroacetone*
*BT1 heterocyclic compounds
*BT1 ketones
*BT1 organic fluorine compounds
*BT1 organic sulfur compounds
RT thiophene

TTF
INIS: Apr 1984; ETDE: Nov 1980
UF *tetrathiafulvalene*
*BT1 heterocyclic compounds
*BT1 organic sulfur compounds

TTF-TCNQ
INIS: Jul 1976; ETDE: Sep 1975
UF *tetrathiafulvalene tetracyanoquinodimethane*
*BT1 heterocyclic compounds
*BT1 nitriles
*BT1 organic sulfur compounds
*BT1 organic superconductors

ttmp
Use transit-time magnetic pumping

ttr-1 toshiba reactor
Use toshiba reactor

tube model
Use coherent tube model

TUBERCULIN
BT1 antigens

TUBERCULOSIS
*BT1 bacterial diseases
RT mycobacterium tuberculosis
RT streptomycin

TUBERS
NT1 potatoes
RT plants

TUBES
(For objects of tubular shape; see also DRIFT TUBES, ELECTRON TUBES, or IMAGE STORAGE TUBES.)
NT1 baffled tubes
NT1 guide tubes
NT1 hoses
NT1 pipes
NT2 drill pipes
NT2 marine risers
NT2 penstocks
NT1 pressure tubes
RT borescopes
RT corrosion denting
RT coverings
RT cylinders
RT ducts
RT reactor cooling systems
RT shape
RT tunnels

tubes (conduits)
Use pipes

tubular pinch devices (linear)
Use linear hard core pinch devices

TUBULES
(In kidneys.)
*BT1 kidneys
RT aldosterone
RT glomeruli
RT renal clearance
RT vasopressin

TUFF
(A compacted pyroclastic deposit or volcanic ash and dust.)
*BT1 volcanic rocks

TULLNERFELD REACTOR
UF *zwentendorf reactor*
*BT1 bwr type reactors

TUMAN DEVICES
*BT1 tokamak devices

tumbler project
See nuclear weapons

tumbleweeds
Use magnoliopsida

TUMOR CELLS
UF *giant cells*
BT1 animal cells
NT1 ascites tumor cells
NT1 hela cells
RT cell cultures
RT in vivo
RT neoplasms

tumor necrosis factor
See radioprotective substances
OR response modifying factors

TUMOR PROMOTERS
INIS: Jul 1981; ETDE: Oct 1980
(Chemical agents which are not mutagenic or carcinogenic in themselves, but which will accelerate the growth of a pre-existing tumor.)
BT1 promoters
RT carcinogens
RT mutagens
RT neoplasms

tumor viruses
Use oncogenic viruses

tumors
Use neoplasms

tun ismail atomic research center
Use puspati

TUNA
*BT1 fishes

TUNDRA
RT arctic regions
RT climates
RT terrestrial ecosystems

TUNGSTATES
UF+ *hafnium tungstates*
UF+ *thorium tungstates*
UF+ *uranium tungstates*
UF+ *uranyl tungstates*
UF+ *vanadium tungstates*
BT1 oxygen compounds
*BT1 tungsten compounds
NT1 aluminium tungstates
NT1 ammonium tungstates
NT1 barium tungstates
NT1 bismuth tungstates
NT1 cadmium tungstates
NT1 calcium tungstates
NT1 cerium tungstates
NT1 cesium tungstates
NT1 cobalt tungstates
NT1 copper tungstates
NT1 dysprosium tungstates
NT1 erbium tungstates
NT1 gadolinium tungstates
NT1 indium tungstates
NT1 iron tungstates
NT1 lanthanum tungstates
NT1 lead tungstates
NT1 lithium tungstates
NT1 lutetium tungstates
NT1 manganese tungstates
NT1 neodymium tungstates
NT1 nickel tungstates
NT1 potassium tungstates
NT1 praseodymium tungstates
NT1 rubidium tungstates
NT1 samarium tungstates
NT1 scandium tungstates
NT1 silver tungstates
NT1 sodium tungstates
NT1 strontium tungstates
NT1 tantalum tungstates
NT1 thallium tungstates
NT1 tin tungstates
NT1 titanium tungstates
NT1 ytterbium tungstates
NT1 yttrium tungstates
NT1 zinc tungstates
NT1 zirconium tungstates

TUNGSTEN
UF *wolfram*
*BT1 refractory metals
*BT1 transition elements
NT1 tungsten-alpha

TUNGSTEN 158
INIS: May 1986; ETDE: Jul 1986
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 tungsten isotopes

TUNGSTEN 159
INIS: May 1986; ETDE: Jul 1986
*BT1 alpha decay radioisotopes

*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 160
INIS: Sep 1979; ETDE: Oct 1979
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 seconds living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 161
INIS: May 1986; ETDE: Dec 1988
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 162
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 163
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 164
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 165
INIS: Feb 1976; ETDE: Oct 1975
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 166
INIS: Feb 1976; ETDE: Oct 1975
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 167
INIS: Nov 1985; ETDE: Dec 1985
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 168
INIS: Feb 1984; ETDE: Mar 1984
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 169
INIS: Oct 1985; ETDE: Sep 1979
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 170
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 171
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 172
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 173
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 174
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 175
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 176
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 177
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 tungsten isotopes

TUNGSTEN 178
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 tungsten isotopes

TUNGSTEN 179
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 180
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 stable isotopes
*BT1 tungsten isotopes

TUNGSTEN 180 TARGET
BT1 targets

TUNGSTEN 181
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 182
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 stable isotopes
*BT1 tungsten isotopes

TUNGSTEN 182 TARGET
BT1 targets

TUNGSTEN 183
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 isomeric transition isotopes
*BT1 seconds living radioisotopes
*BT1 stable isotopes
*BT1 tungsten isotopes

TUNGSTEN 183 REACTIONS
INIS: Feb 1984; ETDE: Mar 1984
*BT1 heavy ion reactions

TUNGSTEN 183 TARGET
BT1 targets

TUNGSTEN 184
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 stable isotopes
*BT1 tungsten isotopes

TUNGSTEN 184 BEAMS
INIS: Feb 1977; ETDE: Apr 1977
*BT1 ion beams

TUNGSTEN 184 REACTIONS
INIS: Oct 1982; ETDE: Nov 1982
*BT1 heavy ion reactions

TUNGSTEN 184 TARGET
BT1 targets

TUNGSTEN 185
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 185 TARGET
INIS: Nov 1985; ETDE: Dec 1985
BT1 targets

TUNGSTEN 186
*BT1 even-even nuclei
*BT1 heavy nuclei

*BT1 stable isotopes
*BT1 tungsten isotopes

TUNGSTEN 186 TARGET
BT1 targets

TUNGSTEN 187
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 tungsten isotopes

TUNGSTEN 188
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 tungsten isotopes

TUNGSTEN 189
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 190
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 minutes living radioisotopes
*BT1 tungsten isotopes

TUNGSTEN 192
*BT1 even-even nuclei
*BT1 heavy nuclei
*BT1 tungsten isotopes

TUNGSTEN ADDITIONS
(Alloys containing not more than 1% W are listed here.)
*BT1 tungsten alloys
NT1 alloy-ni49cr22fe18mo9
NT2 hastelloy x
NT1 alloy-ni50cr22fe18mo9
NT2 hastelloy xr
NT1 alloy-ni62cr16mo15fe3
NT2 hastelloy s
NT1 steel-ni4crw

TUNGSTEN ALLOYS
(Alloys containing more than 1% W.)
UF+ *alloy-co64cr29w4*
UF+ *alloy-co66cr26w6*
UF+ *alloy-ehi 868*
UF+ *alloy-ehp-567*
UF+ *alloy-khn60b*
UF+ *alloy-khn60v*
UF+ *alloy-n55m20v25*
UF+ *alloy-n65m20v15*
UF+ *alloy-ni60cr25w15*
UF+ *alloy-ni65mo16cr15w4*
UF+ *alloy-vzh98*
UF+ *stellite 156*
*BT1 transition element alloys
NT1 alloy-c-103
NT1 alloy-co36cr22ni22w15fe3
NT2 haynes 188 alloy
NT1 alloy-co43cr20fe18ni13w3
NT2 havar
NT1 alloy-co54cr20w15ni10
NT2 alloy-hs-25
NT2 haynes 25 alloy
NT1 alloy-co60cr30w4
NT2 stellite 6
NT1 alloy-d-979
NT1 alloy-in-102
NT1 alloy-khn50mbvyu
NT1 alloy-mar-m246
NT1 alloy-mn-21
NT1 alloy-mo-re-1
NT1 alloy-ni54mo17cr16fe6w4
NT2 hastelloy c
NT1 alloy-ni61cr16co9al3ti3w3
NT2 alloy-in-738
NT1 alloy-ra-333
NT1 alloy-s-590
NT1 alloy-s-816
NT1 alloy-ta90w8hf
NT2 tantalum alloy-t111
NT1 alloy-v-36
NT1 astar 811c
NT1 carboloy
NT1 magnet steel-ks
NT1 miduale
NT1 rene 80
NT1 rene 95
NT1 supertherm
NT1 tungsten additions
NT2 alloy-ni49cr22fe18mo9
NT3 hastelloy x
NT2 alloy-ni50cr22fe18mo9
NT3 hastelloy xr
NT2 alloy-ni62cr16mo15fe3
NT3 hastelloy s
NT2 steel-ni4crw
NT1 tungsten base alloys
NT2 alloy-mo-re-2
NT1 tungsten bronze
NT1 udimet 500

TUNGSTEN-ALPHA
INIS: Oct 1985; ETDE: Nov 1985
*BT1 tungsten

TUNGSTEN BASE ALLOYS
*BT1 tungsten alloys
NT1 alloy-mo-re-2

TUNGSTEN BORIDES
*BT1 borides
*BT1 tungsten compounds

TUNGSTEN BROMIDES
*BT1 bromides
*BT1 tungsten compounds

TUNGSTEN BRONZE
*BT1 copper base alloys
*BT1 tungsten alloys

TUNGSTEN CARBIDES
*BT1 carbides
*BT1 tungsten compounds

TUNGSTEN CHLORIDES
*BT1 chlorides
*BT1 tungsten compounds

TUNGSTEN COMPLEXES
*BT1 transition element complexes

TUNGSTEN COMPOUNDS
BT1 refractory metal compounds
BT1 transition element compounds
NT1 tungstates
NT2 aluminium tungstates
NT2 ammonium tungstates
NT2 barium tungstates
NT2 bismuth tungstates
NT2 cadmium tungstates
NT2 calcium tungstates
NT2 cerium tungstates
NT2 cesium tungstates
NT2 cobalt tungstates
NT2 copper tungstates
NT2 dysprosium tungstates
NT2 erbium tungstates
NT2 gadolinium tungstates
NT2 indium tungstates
NT2 iron tungstates
NT2 lanthanum tungstates
NT2 lead tungstates
NT2 lithium tungstates
NT2 lutetium tungstates
NT2 manganese tungstates
NT2 neodymium tungstates
NT2 nickel tungstates
NT2 potassium tungstates
NT2 praseodymium tungstates
NT2 rubidium tungstates
NT2 samarium tungstates
NT2 scandium tungstates
NT2 silver tungstates
NT2 sodium tungstates
NT2 strontium tungstates
NT2 tantalum tungstates
NT2 thallium tungstates
NT2 tin tungstates
NT2 titanium tungstates
NT2 ytterbium tungstates
NT2 yttrium tungstates
NT2 zinc tungstates
NT2 zirconium tungstates
NT1 tungsten borides
NT1 tungsten bromides
NT1 tungsten carbides
NT1 tungsten chlorides
NT1 tungsten fluorides
NT1 tungsten hydrides
NT1 tungsten hydroxides
NT1 tungsten iodides
NT1 tungsten nitrides
NT1 tungsten oxides
NT2 sodium tungsten bronze
NT1 tungsten phosphides
NT1 tungsten selenides
NT1 tungsten silicides
NT1 tungsten sulfides
NT1 tungsten tellurides
NT1 tungstophosphates
NT1 tungstophosphoric acid

TUNGSTEN FLUORIDES
*BT1 fluorides
*BT1 tungsten compounds

TUNGSTEN HYDRIDES
INIS: Jan 1977; ETDE: Jan 1975
*BT1 hydrides
*BT1 tungsten compounds

TUNGSTEN HYDROXIDES
*BT1 hydroxides
*BT1 tungsten compounds

TUNGSTEN IODIDES
*BT1 iodides
*BT1 tungsten compounds

TUNGSTEN IONS
*BT1 ions

TUNGSTEN ISOTOPES
BT1 isotopes
NT1 tungsten 158
NT1 tungsten 159
NT1 tungsten 160
NT1 tungsten 161
NT1 tungsten 162
NT1 tungsten 163
NT1 tungsten 164
NT1 tungsten 165
NT1 tungsten 166
NT1 tungsten 167
NT1 tungsten 168
NT1 tungsten 169
NT1 tungsten 170
NT1 tungsten 171
NT1 tungsten 172
NT1 tungsten 173

NT1 tungsten 174
NT1 tungsten 175
NT1 tungsten 176
NT1 tungsten 177
NT1 tungsten 178
NT1 tungsten 179
NT1 tungsten 180
NT1 tungsten 181
NT1 tungsten 182
NT1 tungsten 183
NT1 tungsten 184
NT1 tungsten 185
NT1 tungsten 186
NT1 tungsten 187
NT1 tungsten 188
NT1 tungsten 189
NT1 tungsten 190
NT1 tungsten 192

TUNGSTEN NITRIDES
*BT1 nitrides
*BT1 tungsten compounds

TUNGSTEN ORES
BT1 ores

TUNGSTEN OXIDES
*BT1 oxides
*BT1 tungsten compounds
NT1 sodium tungsten bronze
RT oxide minerals
RT tungstophosphoric acid
RT wolframite

TUNGSTEN PHOSPHIDES
INIS: Sep 1979; ETDE: Jul 1976
*BT1 phosphides
*BT1 tungsten compounds

TUNGSTEN SELENIDES
INIS: Jul 1978; ETDE: Jan 1975
*BT1 selenides
*BT1 tungsten compounds

TUNGSTEN SILICIDES
INIS: Oct 1975; ETDE: Jan 1975
*BT1 silicides
*BT1 tungsten compounds

TUNGSTEN SULFIDES
*BT1 sulfides
*BT1 tungsten compounds

TUNGSTEN TELLURIDES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 tellurides
*BT1 tungsten compounds

tungsten water moderated reactor
Use twmr reactor

TUNGSTOPHOSPHATES
INIS: Feb 1988; ETDE: Feb 1988
BT1 oxygen compounds
BT1 phosphorus compounds
*BT1 tungsten compounds
RT tungstophosphoric acid

TUNGSTOPHOSPHORIC ACID
UF *phosphotungstic acid*
UF *phosphowolframic acid*
UF *wolframophosphoric acid*
*BT1 inorganic acids
BT1 oxygen compounds
BT1 phosphorus compounds
*BT1 tungsten compounds
RT heteropolyanions
RT phosphoric acid
RT tungsten oxides
RT tungstophosphates

TUNING
INIS: Aug 1975; ETDE: May 1975
NT1 frequency selection
NT1 mode selection
RT cavity resonators
RT frequency control
RT resonance
RT rf systems
RT synchronization

TUNISIA
BT1 africa
BT1 arab countries
BT1 developing countries

TUNNEL DIODES
*BT1 semiconductor diodes
RT schottky barrier diodes

TUNNEL EFFECT
RT superconducting junctions
RT superconductivity

TUNNEL FURNACES
INIS: Apr 2000; ETDE: Mar 1976
UF *tunnel kilns*
BT1 furnaces

tunnel kilns
Use tunnel furnaces

TUNNELING
INIS: Aug 1993; ETDE: May 1978
(Not for the concept of electron tunneling, for which use TUNNEL EFFECT.)
RT shaft excavations
RT tunnels
RT underground mining

TUNNELING MACHINES
INIS: Jan 1993; ETDE: Apr 1985
BT1 equipment
RT excavation
RT mining equipment

TUNNELS
BT1 underground facilities
NT1 mine roadways
NT1 wind tunnels
RT excavation
RT mine drivage
RT mines
RT shaft excavations
RT subsurface structures
RT subterrene penetrators
RT tubes
RT tunneling

TURBELLARIA
*BT1 platyhelminths
NT1 planaria

TURBIDITY
RT suspensions

TURBINE BLADES
UF *blades (turbines)*
RT compressor blades
RT turbines

turbine pumps
Use pump turbines

TURBINES
UF *velocity-pumps reaction turbines*
SF *krov machine*
*BT1 turbomachinery
NT1 gas turbines
NT2 coal-fired gas turbines
NT1 hydraulic turbines
NT2 pump turbines
NT1 radial inflow turbines
NT1 radial-outflow reaction turbines
NT1 rotary separator turbines
NT1 steam turbines
NT1 wind turbines
NT2 diffuser augmented turbines
NT2 horizontal axis turbines
NT2 vertical axis turbines
NT3 giromill turbines
NT3 tornado turbines
NT2 vortex augmented turbines
RT helical rotary screw expander
RT hydroelectric power plants
RT turbine blades
RT turbochargers
RT turbodrills
RT working fluids

TURBOCHARGERS
INIS: Apr 2000; ETDE: Apr 1985
*BT1 superchargers
*BT1 turbomachinery
RT turbines

TURBODRILLS
INIS: Apr 2000; ETDE: Aug 1981
*BT1 rotary drills
*BT1 turbomachinery
RT drilling
RT turbines

TURBOFAN ENGINES
INIS: Apr 2000; ETDE: May 1984
*BT1 internal combustion engines
*BT1 turbomachinery
RT turbojet engines

TURBOGENERATORS
SF *braun standard turbine island*
SF *c f braun standard turbine island*
*BT1 electric generators
*BT1 turbomachinery
RT hydraulic turbines

TURBOJET ENGINES
INIS: Jun 1992; ETDE: Jan 1975
*BT1 internal combustion engines
*BT1 turbomachinery
RT turbofan engines

TURBOMACHINERY
INIS: Jan 1992; ETDE: Sep 1976
*BT1 machinery
NT1 turbines
NT2 gas turbines
NT3 coal-fired gas turbines
NT2 hydraulic turbines
NT3 pump turbines
NT2 radial inflow turbines
NT2 radial-outflow reaction turbines
NT2 rotary separator turbines
NT2 steam turbines
NT2 wind turbines
NT3 diffuser augmented turbines
NT3 horizontal axis turbines
NT3 vertical axis turbines
NT4 giromill turbines
NT4 tornado turbines
NT3 vortex augmented turbines
NT1 turbochargers
NT1 turbodrills
NT1 turbofan engines
NT1 turbogenerators
NT1 turbojet engines
RT compressors
RT pumps

TURBOMOLECULAR PUMPS
*BT1 vacuum pumps

TURBULENCE
- *RT* attractors
- *RT* diffusion
- *RT* fluid flow
- *RT* hurricanes
- *RT* mixing
- *RT* stirring
- *RT* tornadoes
- *RT* turbulent flow
- *RT* vortices
- *RT* wind

TURBULENT FLOW
- UF *supercritical flow*
- BT1 fluid flow
- *RT* critical flow
- *RT* laminar flow
- *RT* reynolds number
- *RT* richardson number
- *RT* turbulence
- *RT* two-phase flow
- *RT* viscous flow

TURBULENT HEATING
- *BT1 plasma heating

TURKEY
- UF+ *marmara sea*
- UF+ *marmora sea*
- UF+ *sea of marmara*
- BT1 asia
- BT1 developing countries
- BT1 middle east
- *RT* black sea
- *RT* kizildere geothermal field
- *RT* oecd
- *RT* tigris river

TURKEY POINT-3 REACTOR
(Turkey Point, Florida, USA)
- *BT1 pwr type reactors

TURKEY POINT-4 REACTOR
(Miami, Florida, USA)
- *BT1 pwr type reactors

TURKISH ATOMIC ENERGY AUTHORITY
Aug 2003
- *BT1 turkish organizations

TURKISH ORGANIZATIONS
Aug 2003
- BT1 national organizations
- **NT1** turkish atomic energy authority

turkish reactor-1
- Use tr-1 reactor

turkish reactor-2
- Use tr-2 reactor

TURKMENISTAN
INIS: Feb 1993; ETDE: Apr 1993
(Until January 1993, this was indexed by USSR.)
- SF *soviet union*
- SF *union of soviet socialist republics*
- SF *ussr*
- BT1 asia
- *RT* caspian sea

turku cyclotron
- Use aabo cyclotron

turnips
- Use brassica

turnover (radionuclides)
- Use radionuclide kinetics

TURPENTINE
- *BT1 organic solvents
- *BT1 terpenes
- *RT* hydrocarbons

TURTLES
- *BT1 reptiles

TUVALU
INIS: Jul 1991; ETDE: Jul 1991
- *BT1 micronesia
- *RT* pacific ocean

tva
- Use tennessee valley authority

TVA-1 REACTOR
- UF *tennessee valley authority reactor-1*
- *BT1 pwr type reactors

TVA-2 REACTOR
- UF *tennessee valley authority reactor-2*
- *BT1 pwr type reactors

tvo-1 reactor
- Use olkiluoto-1 reactor

tvo-2 reactor
- Use olkiluoto-2 reactor

TWINNING
- *RT* crystal structure
- *RT* microstructure
- *RT* slip

TWISTOR THEORY
INIS: Jul 1978; ETDE: Aug 1975
(Quantized points of space-time.)
- UF *penrose twistor theory*
- *RT* gravitation
- *RT* quantum mechanics
- *RT* space-time
- *RT* unified-field theories

TWMR REACTOR
INIS: Apr 2000; ETDE: Jan 1975
- UF *tungsten water moderated reactor*
- *BT1 space propulsion reactors
- *BT1 water moderated reactors

TWO-BODY PROBLEM
- BT1 many-body problem
- *RT* resonating-group method

TWO-COMPONENT NEUTRINO THEORY
- *RT* beta decay
- *RT* neutrinos
- *RT* spin

TWO-COMPONENT TORUS
INIS: Mar 1976; ETDE: Nov 1975
- UF *tct*
- *BT1 tokamak devices

TWO-DIMENSIONAL CALCULATIONS
- UF *2-dimensional calculations*
- UF *calculations (2-dimensional)*
- *RT* adjoint difference method
- *RT* ising model
- *RT* many-dimensional calculations
- *RT* mathematics
- *RT* surfaces

TWO-DIMENSIONAL ELECTROPHORESIS
INIS: Aug 1993; ETDE: May 1987
- BT1 electrophoresis
- *RT* fractionation
- *RT* nucleic acids

two-fireball model
- Use fireball model

two-fluid theory
- Use landau liquid helium theory

TWO-NUCLEON TRANSFER REACTIONS
- *BT1 multi-nucleon transfer reactions

TWO-PHASE FLOW
- BT1 fluid flow
- *RT* boiling
- *RT* gas flow
- *RT* heat transfer
- *RT* liquid flow
- *RT* turbulent flow

TWO-STREAM INSTABILITY
- *BT1 plasma microinstabilities
- *RT* fluid flow

tybo event
- Use nuclear explosions
- AND underground explosions

tyco process
- Use desulfurization

TYPE-I SUPERCONDUCTORS
- BT1 superconductors

TYPE-II SUPERCONDUCTORS
- UF *type-iii superconductors*
- BT1 superconductors
- **NT1** high-tc superconductors

type-iii superconductors
- Use type-ii superconductors

TYPHOID
- *BT1 bacterial diseases
- *RT* salmonella

TYPHUS
- *BT1 rickettsial diseases
- *RT* rickettsiae

TYRAMINE
- *BT1 amines
- *BT1 phenols
- *BT1 sympathomimetics

TYRONE-1 REACTOR
- *BT1 pwr type reactors

TYRONE-2 REACTOR
- *BT1 pwr type reactors

TYROSINASE
- *BT1 hydroxylases

TYROSINE
- *BT1 amino acids
- *BT1 hydroxy acids
- *RT* diiodotyrosine
- *RT* melanin
- *RT* methyl tyrosine
- *RT* phenylalanine

TYUYAMUNITE
- *BT1 oxide minerals
- *BT1 uranium minerals
- *RT* calcium oxides
- *RT* uranium oxides
- *RT* vanadium oxides

TZ1 REACTOR
INIS: Jun 1985; ETDE: Jul 1985
- UF *tammuz-1 reactor*
- *BT1 enriched uranium reactors
- *BT1 experimental reactors

*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 thermal reactors

TZ2 REACTOR
INIS: Jun 1985; ETDE: Jul 1985
UF *tammuz-2 reactor*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 pool type reactors
*BT1 thermal reactors

tzm
Use alloy-mo99

U

U-1 GROUPS
*BT1 u groups

U-12 GROUPS
*BT1 u groups

U-2 GROUPS
*BT1 u groups

u-2375 resonances
Use f4-2300 mesons

U-3 GROUPS
*BT1 u groups

U-4 GROUPS
*BT1 u groups

U-5 GROUPS
INIS: Aug 1986; ETDE: Sep 1986
*BT1 u groups

U-6 GROUPS
*BT1 u groups

U CENTERS
*BT1 color centers

U CHANNEL
RT mandelstam representation
RT particle interactions
RT s channel
RT t channel

U CODES
BT1 computer codes

U-GAS PROCESS
INIS: Jul 1994; ETDE: Jan 1975
(Institute of Gas Technology process for producing low-btu gas (140 btu/scf) by reacting crushed coal with air and steam in a single-stage fluidized-bed gasifier at 350 psi and 1900 degrees F.)
*BT1 coal gasification

U GROUPS
*BT1 lie groups
NT1 u-1 groups
NT1 u-12 groups
NT1 u-2 groups
NT1 u-3 groups
NT1 u-4 groups
NT1 u-5 groups
NT1 u-6 groups
RT unitary symmetry

u processes
Use umklapp processes

U QUARKS
INIS: Sep 1995; ETDE: Oct 1995
*BT1 quarks
RT quarkonium

U VALUES
INIS: Apr 2000; ETDE: Apr 1978
(Values for heat transfer through materials in btu/hr per unit area as a function of the temperature gradient.)
RT building materials
RT heat transfer
RT r factors

u3o8
Use uranium oxides u3o8

uar
Use egyptian arab republic

UBIQUINONE
*BT1 benzoquinones
BT1 coenzymes
RT vitamin k

UCAP PROCESS
INIS: Apr 2000; ETDE: May 1980
*BT1 desulfurization
RT claus process

UCBRR REACTOR
(Berkeley Research Reactor, University of California, Berkeley, California, USA)
UF *berkeley triga reactor*
UF *california berkeley triga reactor*
UF *university of california berkeley reactor*
UF *university of california, berkeley triga reactor*
*BT1 isotope production reactors
*BT1 pulsed reactors
*BT1 thermal reactors
*BT1 training reactors
*BT1 triga type reactors

ucirr reactor
Use triga-1-california reactor

UCLA
UF *university of california / los angeles*
RT california
RT us doe

uclbl
Use lawrence berkeley laboratory

uclll
Use lawrence livermore laboratory

UCLRL CYCLOTRONS
*BT1 isochronous cyclotrons
NT1 lbl 88-inch cyclotron

UDIMET 500
INIS: Apr 2000; ETDE: Sep 1979
*BT1 tungsten alloys
*BT1 udimet alloys

UDIMET 700
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-ni53co19cr15mo5al4ti3

UDIMET ALLOYS
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 heat resisting alloys
*BT1 molybdenum alloys
*BT1 nickel base alloys
*BT1 titanium alloys
NT1 alloy-ni53co19cr15mo5al4ti3
NT2 udimet 700
NT1 udimet 500

UDPG
*BT1 glycosides
*BT1 nucleotides
*BT1 organic phosphorus compounds
RT glucose
RT uracils
RT uridine

UFTR REACTOR
(University of Florida, Nuclear Sciences Center, Gainesville, Florida, USA)
UF *florida university reactor*
UF *university of florida reactor*
*BT1 argonaut type reactors
*BT1 isotope production reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

UGANDA
BT1 africa
BT1 developing countries

uhde-pfirrmann process
Use coal liquefaction

uhf (lower range)
Use ghz range 01-100

uhf (upper range)
Use ghz range 100-1000

uhf radiation (01-100 ghz)
Use ghz range 01-100
AND radiowave radiation

uhf radiation (100-1000 mhz)
Use mhz range 100-1000
AND radiowave radiation

uhf radiation (lower range)
Use mhz range 100-1000
AND radiowave radiation

uhf radiation (upper range)
Use ghz range 01-100
AND radiowave radiation

UHTREX REACTOR
UF *ultrahigh temperature reactor experiment*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 graphite moderated reactors
*BT1 helium cooled reactors
*BT1 thermal reactors

UHV AC SYSTEMS
INIS: Apr 2000; ETDE: May 1976
(Over 765 kV.)
UF *ultrahigh voltage alternating current systems*
*BT1 ac systems

UHV DC SYSTEMS
INIS: Mar 1992; ETDE: May 1976
(Over 765 kV.)
UF *ultrahigh voltage dc systems*
UF *ultrahigh voltage direct current systems*
*BT1 dc systems

UINTA BASIN
INIS: Apr 2000; ETDE: Jun 1975
RT colorado
RT oil shale deposits
RT uinta formation
RT utah

UINTA FORMATION
INIS: Apr 2000; ETDE: Dec 1975
(Strata of eocene age and continental origin occurring typically in the Uinta Basin in Utah and Colorado.)
*BT1 green river formation
RT colorado
RT oil shale deposits
RT oil shales
RT uinta basin
RT utah

UJD
Dec 2002
(Organisation responsible for use of nuclear energy in Slovakia)
UF *nuclear regulatory authority of the slovak republic*
UF *slovak nuclear regulatory authority*
UF *urad jadroveho dozoru slovenskej republiky*
*BT1 slovak organizations

ujm
Use jet model

UJV
(Nuclear Research Institute, Rez, Czech Republic)
UF *ustav jaderneho vyzkumu*
UF *ustav jadernych vyzkumu*
*BT1 czech organizations

uk atomic energy authority
Use ukaea

UK NATIONAL PHYSICAL LABORATORY
INIS: Feb 1983; ETDE: Mar 1983
(Until August 1994 this descriptor was spelled UK NATIONALPHYSICAL LAB.)
*BT1 united kingdom organizations

UK NII
INIS: Jun 1983; ETDE: Jul 1983
(HM Nuclear Installations Inspectorate.)
UF *nii (uk)*
UF *nuclear installations inspectorate*
UF *uk nuclear installations inspectorate*
*BT1 united kingdom organizations

uk nuclear installations inspectorate
Use uk nii

uk royal naval college-jason reactor
Use jason reactor

UKAEA
UF *uk atomic energy authority*
*BT1 united kingdom organizations
NT1 aere
NT1 culham laboratory
RT united kingdom

ukaea-dido reactor
Use dido reactor

ukaea-juno reactor
Use juno reactor

ukaea-lido reactor
Use lido reactor

ukaea-merlin reactor
Use merlin reactor

ukaea-nestor reactor
Use nestor reactor

UKNR REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *university of kansas nuclear reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

UKRAINE
INIS: Feb 1993; ETDE: Feb 1993
(Until January 1993, this was indexed by UKRAINIAN SSR.)
UF *ukrainian ssr*
SF *soviet union*
SF *union of soviet socialist republics*
SF *ussr*
*BT1 eastern europe
NT1 crimea
RT black sea
RT danube river
RT dnieper river
RT pripet river

UKRAINIAN ORGANIZATIONS
INIS: Jul 1999; ETDE: Aug 1999
BT1 national organizations

ukrainian ssr
Use ukraine

ulcc
Use tanker ships

ULCERS
BT1 pathological changes
RT fistulae
RT gangrene
RT necrosis

ULCHIN-1 REACTOR
INIS: Jul 1991; ETDE: Jul 1991
(Ulchin, Republic of Korea)
UF *knu-9 reactor*
UF *uljin-1 reactor*
*BT1 pwr type reactors

ULCHIN-2 REACTOR
INIS: Jul 1991; ETDE: Jul 1991
(Ulchin, Republic of Korea)
UF *knu-10 reactor*
UF *uljin-2 reactor*
*BT1 pwr type reactors

ULCHIN-3 REACTOR
INIS: Oct 1997; ETDE: Feb 1998
(Ulchin, Republic of Korea)
*BT1 pwr type reactors

ULCHIN-4 REACTOR
INIS: Oct 1997; ETDE: Feb 1998
(Ulchin, Republic of Korea)
*BT1 pwr type reactors

uljin-1 reactor
Use ulchin-1 reactor

uljin-2 reactor
Use ulchin-2 reactor

ultimate storage
Use waste disposal

ULTIMATE STRENGTH
INIS: May 1980; ETDE: May 1980
UF *strength (ultimate)*
BT1 mechanical properties
RT tensile properties

ULTRACENTRIFUGATION
*BT1 centrifugation
RT cell constituents
RT centrifuge enrichment plants
RT gas centrifugation
RT subcellular distribution

ultracentrifuge enrichment plants
Use centrifuge enrichment plants

ULTRACENTRIFUGES
*BT1 centrifuges
RT centrifugation
RT gas centrifuges
RT isotope separation

ULTRACOLD NEUTRONS
*BT1 cold neutrons
RT neutron converters
RT neutron guides

ULTRAFILTRATION
*BT1 filtration
RT filters
RT glomeruli
RT sampling

ultrahigh frequency (lower range)
Use ghz range 01-100

ultrahigh frequency (upper range)
Use ghz range 100-1000

ultrahigh frequency radiation (01-100 ghz)
Use ghz range 01-100
AND radiowave radiation

ultrahigh frequency radiation (100-1000 mhz)
Use mhz range 100-1000
AND radiowave radiation

ultrahigh frequency radiation (lower range)
Use mhz range 100-1000
AND radiowave radiation

ultrahigh frequency radiation (upper range)
Use ghz range 01-100
AND radiowave radiation

ULTRAHIGH-SPEED PHOTOGRAPHY
BT1 photography

ultrahigh temperature
Use temperature range over 4000 k

ultrahigh temperature reactor experiment
Use uhtrex reactor

ultrahigh vacuum
See pressure range below 1 nano pa
OR pressure range micro pa
OR pressure range nano pa

ultrahigh voltage alternating current systems
Use uhv ac systems

ultrahigh voltage dc systems
Use uhv dc systems

ultrahigh voltage direct current systems
Use uhv dc systems

ULTRALOW FREQUENCY RADIATION
*BT1 electromagnetic radiation

ultralow temperature
Use temperature range 0000-0013 k

ultramarine
Use pigments

ULTRASONIC BUBBLE CHAMBERS
*BT1 bubble chambers

ULTRASONIC MACHINING
BT1 machining

ULTRASONIC TESTING
*BT1 acoustic testing
RT acoustic measurements
RT ultrasonic waves

ULTRASONIC WAVES
UF *ultrasonics*
BT1 sound waves
RT ultrasonic testing
RT ultrasonography

ULTRASONIC WELDING
*BT1 welding

ultrasonics
Use ultrasonic waves

ULTRASONOGRAPHY
INIS: May 1986; ETDE: Sep 1978
UF *echography*
BT1 diagnostic techniques
RT ultrasonic waves

ULTRASTRUCTURAL CHANGES
BT1 morphological changes
RT biological repair
RT cell constituents
RT cytology
RT electron microscopy
RT photoreactivation

ULTRAVIOLET DIVERGENCES
UF *divergences (ultraviolet)*
RT quantum electrodynamics

ULTRAVIOLET RADIATION
*BT1 electromagnetic radiation
NT1 extreme ultraviolet radiation
NT1 far ultraviolet radiation
NT1 near ultraviolet radiation
RT photoreactivation
RT raman effect
RT ultraviolet spectra

ULTRAVIOLET SPECTRA
BT1 spectra
NT1 extreme ultraviolet spectra
RT absorption spectroscopy
RT electronic structure
RT structural chemical analysis
RT ultraviolet radiation

ULTRAVIOLET SPECTROMETERS
INIS: Aug 1978; ETDE: Oct 1978
*BT1 spectrometers

ULVA
*BT1 algae

ulyanovsk reactor vk-50
Use vk-50 reactor

ULYSSE REACTOR
(INSTN, CEN, Saclay, France)
*BT1 argonaut type reactors
*BT1 thermal reactors
*BT1 training reactors

UMKLAPP PROCESSES
UF *u processes*
*BT1 electromagnetic interactions
RT crystals
RT electric conductivity
RT electrons
RT phonons
RT thermal conductivity

umm al qaiwan
Use united arab emirates

UMNE-1 REACTOR
(Univ. of Maryland, College Park, Maryland, USA)
UF *maryland univ. reactor*
UF *umr reactor*
UF *university of maryland reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

umohoite
Use oxide minerals
AND uranium minerals

UMP
INIS: Feb 1982; ETDE: Feb 1982
UF *uridine monophosphate*
*BT1 nucleotides
RT uridine

umr reactor
Use umne-1 reactor

UMRR REACTOR
(University of Missouri-Rolla, Rolla, Missouri, USA)
UF *missouri school of mines reactor*
UF *missouri university/rolla research reactor*
UF *msmr reactor*
UF *rolla research reactor*
UF *university of missouri/rolla research reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

un scientific committee on effects of atomic radiation
Use unscear

unbihexium
Use element 126

unbinilium
Use element 120

unbioctium
Use element 128

uncertainty in data values
Use data covariances

UNCERTAINTY PRINCIPLE
UF *heisenberg principle*
RT quantum mechanics

uncorrelated-jet model
Use jet model

UNCORRELATED-PARTICLE MODEL
*BT1 particle models
RT jet model

UNDERGROUND
(From November 1976 till March 1997 UNDERGROUND SPACE was a valid ETDE descriptor.)
SF *subsurface environments*
SF *underground space*
BT1 levels
RT aquifers
RT ground water
RT soils
RT underground storage

underground buildings
Use earth-covered buildings

UNDERGROUND DISPOSAL
(For disposal of wastes deep underground.)
SF *waste burial*
*BT1 waste disposal
RT asse salt mine
RT backfilling
RT boom clay
RT disposal wells
RT gases
RT gorleben salt dome
RT ground cover
RT ground disposal
RT hydraulic conductivity
RT konrad ore mine
RT morsleben salt mine
RT radioactive waste disposal
RT reinjection
RT salt deposits
RT shaft excavations
RT underground facilities

UNDERGROUND EXPLOSIONS
(The UF references have been valid ETDE descriptors.)
UF *essex i project*
UF+ *agrini event*
UF+ *almendro event*
UF+ *baneberry event*
UF+ *benham event*
UF+ *bowline operation*
UF+ *boxcar event*
UF+ *calabash event*
UF+ *cannikin event*
UF+ *carpetbag event*
UF+ *dining car event*
UF+ *emery operation*
UF+ *faultless event*
UF+ *flintlock operation*
UF+ *fulcrum operation*
UF+ *fusileer operation*
UF+ *greeley event*
UF+ *halfbeak event*
UF+ *handcar event*
UF+ *handley event*
UF+ *husky ace event*
UF+ *hutch event*
UF+ *jorum event*
UF+ *latir event*
UF+ *marvel event*
UF+ *mighty epic event*
UF+ *milrow event*
UF+ *miniata event*
UF+ *palanquin event*
UF+ *pin stripe event*
UF+ *portmanteau event*
UF+ *redmud event*
UF+ *rulison event*
UF+ *schooner event*
UF+ *scotch event*

UF+ *tybo event*
BT1 explosions
NT1 arbor project
NT1 contained explosions
NT1 crosstie operation
NT2 gasbuggy event
NT1 grommet operation
NT1 latchkey operation
NT1 mandrel operation
NT1 nougat operation
NT1 sun beam operation
NT1 toggle operation
NT2 rio blanco event
NT1 whetstone operation
RT anvil project
RT bedrock project
RT cavities
RT chemical explosions
RT chimneys
RT cratering explosions
RT craters
RT explosive fracturing
RT explosive stimulation
RT ground motion
RT in-country detection
RT in-situ processing
RT landslides
RT mining
RT nuclear excavation
RT nuclear explosion detection
RT nuclear explosions
RT plowshare project
RT praetorian project
RT rayleigh waves
RT seismic detection
RT seismic effects
RT seismic p waves
RT seismic s waves
RT seismic waves
RT seismographs
RT seismology
RT thunderbird project
RT underground mining
RT underwater explosions
RT upshot project
RT vela project

UNDERGROUND FACILITIES

INIS: Jul 1986; ETDE: May 1982
(From November 1976 till March 1997 UNDERGROUND SPACE was a valid ETDE descriptor.)
UF *facilities (underground)*
SF *underground space*
NT1 mines
NT2 asse salt mine
NT2 coal mines
NT2 konrad ore mine
NT2 uranium mines
NT3 beaverlodge mine
NT3 cluff lake mine
NT3 key lake mine
NT3 mary kathleen mines
NT3 olympic dam mine
NT3 osamu utsumi mine
NT3 rum jungle mine
NT3 stanleigh mine
NT1 tunnels
NT2 mine roadways
NT2 wind tunnels
NT1 underground nuclear stations
NT1 wipp
RT energy facilities
RT fallout shelters
RT nuclear facilities
RT subsurface structures
RT sudbury neutrino observatory
RT underground disposal
RT underground storage

underground gasification

Use in-situ gasification

underground heat distribution systems

Use heat distribution systems

UNDERGROUND MINING

INIS: Oct 1975; ETDE: Jan 1975
BT1 mining
NT1 advance mining
NT1 caving mining
NT1 longwall mining
NT1 retreat mining
NT1 room and pillar mining
NT1 shortwall mining
NT1 slice mining
RT caving
RT coal mining
RT cratering explosions
RT excavation
RT fracturing
RT mine draining
RT mine drivage
RT mine roadways
RT mine shafts
RT mines
RT mining engineering
RT modified in-situ processes
RT oil shale mining
RT panels
RT stowing
RT strata movement
RT surface mining
RT tunneling
RT underground explosions

underground nuclear power plants

Use underground nuclear stations

UNDERGROUND NUCLEAR STATIONS

UF *underground nuclear power plants*
*BT1 nuclear power plants
BT1 underground facilities
RT power reactors
RT reactor sites

UNDERGROUND POWER TRANSMISSION

INIS: Mar 1993; ETDE: Jan 1975
BT1 power transmission
RT power systems

underground space

See cavities
OR underground
OR underground facilities

UNDERGROUND STORAGE

INIS: Jun 1977; ETDE: Nov 1976
BT1 storage
RT cavities
RT energy storage
RT geologic deposits
RT strategic petroleum reserve
RT subsurface structures
RT underground
RT underground facilities
RT us naval petroleum reserves
RT waste storage

UNDERWATER

BT1 levels
RT dumand project
RT underwater operations

UNDERWATER EXPLOSIONS

UF+ *swordfish event*
BT1 explosions
RT crossroads project
RT dominic project
RT nuclear excavation
RT nuclear explosions
RT underground explosions

UNDERWATER FACILITIES

INIS: Jan 1979; ETDE: Mar 1977
UF *facilities (underwater)*
RT diving operations
RT dumand project
RT manipulators
RT offshore operations
RT underwater operations

UNDERWATER OPERATIONS

INIS: Oct 1992; ETDE: Mar 1977
NT1 diving operations
RT manipulators
RT offshore operations
RT underwater
RT underwater facilities

underwater vehicles

Use submarines

undulators

Use wiggler magnets

unemployment

Use employment

UNEP

INIS: Aug 1999; ETDE: Nov 1999
(United Nations Environmental Programme)
BT1 international organizations

UNESCO

INIS: Nov 1975; ETDE: Dec 1975
(United Nations Educational, Scientific and Cultural Organization)
BT1 international organizations
RT united nations

UNFINISHED OILS

INIS: Apr 2000; ETDE: Dec 1979
(All petroleum requiring further refinery processing.)
BT1 petroleum products

UNGLAZED SOLAR COLLECTORS

INIS: Apr 2000; ETDE: Feb 1979
*BT1 solar collectors

UNH

UF *uranyl nitrate hexahydrate*
BT1 hydrates
*BT1 uranyl nitrates

unhexquadium

Use element 164

UNICELLULAR ALGAE

*BT1 algae
BT1 microorganisms
NT1 chlamydomonas
NT1 chlorella
NT1 euglena
NT1 scenedesmus
RT plankton

unicracking/hds process

Use desulfurization

UNIDIR

INIS: Jan 1999; ETDE: Jan 1999
(United Nations Institute for Disarmament Research)
*BT1 united nations
RT arms control
RT nuclear weapons

UNIDO
INIS: Jun 1988; ETDE: Jul 1988
(United Nations Industrial Development Organization)
BT1 international organizations
RT austria
RT united nations

UNIFIED-FIELD THEORIES
(Prior to April 1983 this concept was indexed by EINSTEIN-SCHROEDINGER THEORY. To be used for theories unifying gravitation with other interactions. For quantum field theory involving only electromagnetic, weak and strong interactions see GRAND UNIFIED THEORY.)
BT1 field theories
NT1 einstein-schroedinger theory
NT1 kaluza-klein theory
NT1 supergravity
NT1 weinberg-salam gauge model
NT1 weyl unified theory
RT basic interactions
RT grand unified theory
RT gravitation
RT quantum gravity
RT supersymmetry
RT twistor theory
RT unified gauge models

UNIFIED GAUGE MODELS
*BT1 particle models
*BT1 quantum field theory
NT1 grand unified theory
NT2 standard model
NT1 weinberg-salam gauge model
RT gauge invariance
RT inflationary universe
RT kaluza-klein theory
RT unified-field theories

UNIFIED MODEL
*BT1 nuclear models

UNILAC
INIS: Oct 1975; ETDE: Jan 1975
*BT1 heavy ion accelerators
*BT1 linear accelerators

union carbide waste processing system
Use purox pyrolysis process

union of soviet socialist republics
See armenia
OR azerbaijan
OR belarus
OR estonia
OR kazakhstan
OR kyrgyzstan
OR latvia
OR lithuania
OR moldova
OR republic of georgia
OR russian federation
OR tajikistan
OR turkmenistan
OR ukraine
OR uzbekistan

UNION OIL PROCESS
INIS: Apr 2000; ETDE: Apr 1975
(A shale retorting process of the direct-heated type, using air injected into a moving bed of coarsely crushed shale to support combustion to supply process heat.)
RT oil shales

unipolar transistors
Use field effect transistors

unisist
See information retrieval
OR information systems

UNISULF PROCESS
INIS: Apr 2000; ETDE: Mar 1983
(Involves Union Oil proprietary solvent used in their Stretford units.)
*BT1 desulfurization
*BT1 waste processing

unit tenaga nuklear (malaysia)
Use puspati

UNITARITY
RT nonunitary representations
RT s matrix
RT unitary symmetry

UNITARY POLE APPROXIMATION
RT k matrix
RT many-body problem
RT s matrix

UNITARY SYMMETRY
BT1 symmetry
RT su groups
RT u groups
RT unitarity

UNITED ARAB EMIRATES
INIS: May 1992; ETDE: Aug 1976
UF *abu dhabi*
UF *ajman*
UF *dubai*
UF *fujaira*
UF *ras al khaima*
UF *sharja*
UF *umm al qaiwan*
BT1 arab countries
BT1 asia
RT oapec
RT opec

united arab republic
Use egyptian arab republic

united arab republic wwr-c reactor
Use wwr-s-cairo reactor

UNITED KINGDOM
UF *england*
UF *great britain*
UF *northern ireland*
UF *scotland*
SF *gibraltar*
BT1 developed countries
*BT1 western europe
RT bermuda
RT hbtx devices
RT irish sea
RT oecd
RT severn river
RT ukaea

UNITED KINGDOM ORGANIZATIONS
BT1 national organizations
NT1 bnfl
NT1 british coal
NT1 ncsr
NT1 nrpb
NT1 uk national physical laboratory
NT1 uk nii
NT1 ukaea
NT2 aere
NT2 culham laboratory

UNITED NATIONS
BT1 international organizations
NT1 unidir
NT1 unscear
RT ctbto
RT fao
RT iaea
RT ilo
RT imo
RT unesco
RT unido
RT who
RT wmo

united nuclear corporation proof test reactor
Use ptf-unc reactor

UNITED REPUBLIC OF TANZANIA
(Prior to July 2003, the shorter form TANZANIA was used.)
UF *tanzania (united republic of)*
BT1 africa
BT1 developing countries

united states of america
Use usa

united states uranium registry
Use usur

UNITHIOL
*BT1 dithiols
*BT1 sulfonic acids
RT bal

UNITON
*BT1 natural units
RT gravitational fields
RT gravitons

UNITS
NT1 degree days
NT1 natural units
NT2 uniton
NT1 radiation dose units
NT1 reactivity units
NT2 dollars
NT2 inhours
NT1 si units

UNIVAC COMPUTERS
BT1 computers

universal blackbody radiation
Use blackbody radiation

UNIVERSE
UF *cosmos*
UF *metagalaxy*
RT cosmological models
RT cosmology
RT galactic evolution
RT hubble effect
RT intergalactic space
RT nonluminous matter
RT relict radiation

universite catholique louvain cyclotron
Use cyclone cyclotron

universities
Use educational facilities

university minas gerais triga reactor
Use triga-brazil reactor

university of alberta slowpoke reactor
Use slowpoke-alberta reactor

university of california / los angeles
Use ucla

university of california berkeley reactor
Use ucbrr reactor

university of california irvine reactor
Use triga-1-california reactor

university of california lawrence radiation laboratory
Use lawrence berkeley laboratory

university of california, berkeley triga reactor
Use ucbrr reactor

university of florida reactor
Use uftr reactor

university of illinois lopra reactor
Use lopra reactor

university of illinois triga-mk-2 reactor
Use triga-2-illinois reactor

university of illinois triga-mk-ii reactor
Use triga-2-illinois reactor

university of kansas nuclear reactor
Use uknr reactor

university of maryland reactor
Use umne-1 reactor

university of missouri/columbia research reactor
Use murr reactor

university of missouri/rolla research reactor
Use umrr reactor

university of montreal slowpoke reactor
Use slowpoke-montreal reactor

university of nevada l-77 reactor
Use nevada university reactor

university of teheran research reactor
Use utrr reactor

university of texas triga reactor
Use triga-texas reactor

university of toronto slowpoke reactor
Use slowpoke-toronto reactor

university of virginia reactor
Use uvar reactor

university of washington reactor
Use uwtr reactor

university of wisconsin nuclear reactor
Use uwnr reactor

university of wisconsin tokamak
Use uwmak devices

university training reactor queen mary
Use queen mary college utr-b reactor

UNLEADED GASOLINE
INIS: Jul 1992; ETDE: Nov 1976
UF *lead-free gasoline*
*BT1 gasoline
RT gasoline service stations

UNLOADING
INIS: Apr 1984; ETDE: Jun 1978
(Until June 1997 this concept was indexed to MATERIALS HANDLING)
BT1 materials handling
RT loading

unloading (fission reactor)
Use reactor fueling

unloading (reactor)
Use reactor fueling

unnilennium
Use element 109

unnilhexium
Use element 106

unniloctium
Use element 108

unnilpentium
Use element 105

unnilquadium
Use element 104

unnilseptium
Use element 107

unobserved matter
Use nonluminous matter

unpinch devices
Use linear hard core pinch devices

unquadpentium
Use element 145

UNSCEAR
INIS: Oct 1975; ETDE: Dec 1975
(United Nations Scientific Committee on Effects of Atomic Radiation)
UF *un scientific committee on effects of atomic radiation*
*BT1 united nations
RT dose limits
RT radiation hazards

UNSEALED SOURCES
BT1 radiation sources
RT internal irradiation
RT radionuclide kinetics

unseen matter
Use nonluminous matter

unsepttrium
Use element 173

unsolicited proposals
Use proposals

UNSTEADY FLOW
BT1 fluid flow

UNTERWESER REACTOR
UF *kku reactor*
*BT1 pwr type reactors

untriquadium
Use element 134

ununbium
Use element 112

ununennium
Use element 119

ununhexium
Use element 116

ununnilium
Use element 110

ununoctium
Use element 118

ununpentium
Use element 115

ununquadium
Use element 114

ununseptium
Use element 117

ununtrium
Use element 113

unununium
Use element 111

UPPER VOLTA
*BT1 burkina faso

UPPSALA SYNCHROCYCLOTRON
*BT1 synchrocyclotrons
RT celsius storage ring

UPSHOT PROJECT
UF *project upshot*
RT nuclear explosions
RT underground explosions

upsilon-10000 resonances
Use upsilon-10023 mesons

UPSILON-10023 MESONS
INIS: Nov 1978; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by UPSILON-10000 RESONANCES.)
UF *upsilon-10000 resonances*
*BT1 bottomonium
*BT1 vector mesons

upsilon-10350 resonances
Use upsilon-10355 mesons

UPSILON-10355 MESONS
INIS: May 1986; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by UPSILON-10350 RESONANCES.)
UF *upsilon-10350 resonances*
*BT1 bottomonium
*BT1 vector mesons

upsilon-10500 resonances
Use upsilon-10580 mesons

upsilon-10575 mesons
Use upsilon-10580 mesons

UPSILON-10580 MESONS
INIS: Nov 1978; ETDE: Aug 1995
(Until December 1987 this concept was indexed by UPSILON-10500 RESONANCES; from then until July 1995 it was indexed by UPSILON-10575 MESONS.)
UF *upsilon-10500 resonances*
UF *upsilon-10575 mesons*

*BT1 bottomonium
*BT1 vector mesons

UPSILON-10860 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 bottomonium
*BT1 vector mesons

UPSILON-11020 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 bottomonium
*BT1 vector mesons

UPSILON-9460 MESONS
INIS: Apr 1978; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by UPSILON-9500 RESONANCES.)
UF *upsilon-9500 resonances*
*BT1 bottomonium
*BT1 vector mesons

upsilon-9500 resonances
Use upsilon-9460 mesons

upsilon resonances
See bottomonium
OR vector mesons

UPTAKE
UF *incorporation (biological)*
NT1 foliar uptake
NT1 intestinal absorption
NT1 root absorption
NT1 skin absorption
RT biological availability
RT intake
RT phosphoenolpyruvate
RT radionuclide kinetics
RT rectal administration
RT retention

UPWELLING
INIS: Feb 1993; ETDE: Nov 1977
(The process by which water rises from a deeper to a shallower depth.)
RT downwelling
RT oceanic circulation
RT water currents

URACH GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Sep 1984
(Located in the Schwabian Alb, Federal Republic of Germany.)
BT1 geothermal fields
RT federal republic of germany

uracil-6-carboxylic acid
Use orotic acid

URACILS
*BT1 hydroxy compounds
*BT1 pyrimidines
NT1 bromouracils
NT2 budr
NT1 chlorouracils
NT1 deoxyuridine
NT1 fluorouracils
NT2 fudr
NT1 iodouracils
NT2 iododeoxyuridine
NT1 orotic acid
NT1 thiouracil
NT1 thymine
NT1 uridine
RT udpg
RT uridylic acid

urad jadroveho dozoru slovenskej republiky
Use ujd

uragan-2 stellarator
Use uragan stellarator

uragan-3 stellarator
Use torsatron stellarators

URAGAN STELLARATOR
UF *uragan-2 stellarator*
*BT1 stellarators

ural computers
Use computers

ural mountains
Use urals

URALS
UF *ural mountains*
BT1 mountains
RT kazakhstan
RT russian federation

urals atomic power station
See beloyarsk-1 reactor
OR beloyarsk-2 reactor
OR beloyarsk-3 reactor

URANATES
UF+ *bismuth uranates*
UF+ *thallium uranates*
*BT1 uranium compounds
NT1 ammonium uranates
NT2 adu
NT1 cesium uranates
NT1 lithium uranates
NT1 potassium uranates
NT1 rubidium uranates
NT1 sodium uranates
NT1 strontium uranates

URANINITES
*BT1 oxide minerals
*BT1 uranium minerals
NT1 broeggerite
NT1 pitchblende
RT black sands
RT thucholite

URANIUM
*BT1 actinides
NT1 depleted uranium
NT1 enriched uranium
NT2 highly enriched uranium
NT2 moderately enriched uranium
NT2 slightly enriched uranium
NT1 natural uranium
NT1 uranium-alpha
NT1 uranium-beta
NT1 uranium-gamma
RT feed materials plants
RT natural radioactivity
RT nuclear fuels
RT uranium ores
RT uranium recycle
RT uranium requirements

URANIUM 218
INIS: Jul 1992; ETDE: Jul 1992
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 milliseconds living radioisotopes
*BT1 uranium isotopes

URANIUM 219
INIS: Jun 1993; ETDE: Jun 1993
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 microseconds living radioisotopes
*BT1 uranium isotopes

URANIUM 222
INIS: Jun 1986; ETDE: Dec 1988
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 microseconds living radioisotopes
*BT1 uranium isotopes

URANIUM 223
INIS: Jul 1991; ETDE: Jul 1991
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 microseconds living radioisotopes
*BT1 uranium isotopes

URANIUM 224
INIS: Jul 1991; ETDE: Jul 1991
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 microseconds living radioisotopes
*BT1 uranium isotopes

URANIUM 225
INIS: Jul 1989; ETDE: Sep 1977
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 milliseconds living radioisotopes
*BT1 uranium isotopes

URANIUM 226
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 milliseconds living radioisotopes
*BT1 uranium isotopes

URANIUM 227
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 uranium isotopes

URANIUM 228
UF *uranium i*
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
*BT1 uranium isotopes

URANIUM 229
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 uranium isotopes

URANIUM 230
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 internal conversion radioisotopes
*BT1 uranium isotopes

URANIUM 231
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 uranium isotopes

URANIUM 232
*BT1 actinide nuclei

*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 neon 24 decay radioisotopes
*BT1 spontaneous fission radioisotopes
*BT1 uranium isotopes
*BT1 years living radioisotopes

URANIUM 232 TARGET
BT1 targets

URANIUM 233
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 neon 24 decay radioisotopes
*BT1 spontaneous fission radioisotopes
*BT1 uranium isotopes
*BT1 years living radioisotopes

URANIUM 233 TARGET
BT1 targets

URANIUM 234
UF *uranium ii*
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 magnesium 28 decay radioisotopes
*BT1 neon 24 decay radioisotopes
*BT1 spontaneous fission radioisotopes
*BT1 uranium isotopes
*BT1 years living radioisotopes

URANIUM 234 TARGET
BT1 targets

URANIUM 235
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-odd nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 spontaneous fission radioisotopes
*BT1 uranium isotopes
*BT1 years living radioisotopes

URANIUM 235 REACTIONS
INIS: Jun 1977; ETDE: Oct 1977
*BT1 heavy ion reactions

URANIUM 235 TARGET
BT1 targets

URANIUM 236
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 spontaneous fission radioisotopes
*BT1 uranium isotopes
*BT1 years living radioisotopes

URANIUM 236 TARGET
BT1 targets

URANIUM 237
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 uranium isotopes

URANIUM 237 TARGET
BT1 targets

URANIUM 238
*BT1 actinide nuclei
*BT1 alpha decay radioisotopes
*BT1 even-even nuclei
*BT1 spontaneous fission radioisotopes
*BT1 uranium isotopes
*BT1 years living radioisotopes

URANIUM 238 BEAMS
INIS: Sep 1977; ETDE: Nov 1977
*BT1 radioactive ion beams

URANIUM 238 REACTIONS
INIS: Mar 1977; ETDE: Oct 1977
*BT1 heavy ion reactions

URANIUM 238 TARGET
UF *natural uranium target*
BT1 targets

URANIUM 239
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 minutes living radioisotopes
*BT1 uranium isotopes

URANIUM 239 TARGET
BT1 targets

URANIUM 240
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 internal conversion radioisotopes
*BT1 uranium isotopes

URANIUM 240 TARGET
INIS: Jul 1978; ETDE: Mar 1978
BT1 targets

URANIUM 242
INIS: Jun 1986; ETDE: Jul 1979
*BT1 actinide nuclei
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 minutes living radioisotopes
*BT1 uranium isotopes

URANIUM 243 TARGET
INIS: Sep 1992; ETDE: Aug 1981
BT1 targets

URANIUM ADDITIONS
(Alloys containing not more than 1% U are listed here.)
RT uranium alloys

URANIUM ALLOYS
(Alloys containing more than 1% U.)
*BT1 actinide alloys
NT1 uranium base alloys
NT2 alloy-u90nb7zr3
RT uranium additions

URANIUM-ALPHA
*BT1 uranium

URANIUM ARSENIDES
*BT1 arsenides
*BT1 uranium compounds

URANIUM BASE ALLOYS
*BT1 uranium alloys
NT1 alloy-u90nb7zr3

URANIUM-BETA
*BT1 uranium

URANIUM BLACK
*BT1 oxide minerals
*BT1 uranium minerals
RT uranium oxides

URANIUM BORIDES
*BT1 borides
*BT1 uranium compounds

URANIUM BOROHYDRIDES
INIS: Jan 1977; ETDE: May 1975
*BT1 borohydrides
*BT1 uranium compounds

URANIUM BROMIDES
*BT1 bromides
*BT1 uranium compounds

URANIUM CARBIDES
*BT1 carbides
*BT1 uranium compounds
RT mixed carbide fuels

URANIUM CARBONATES
*BT1 carbonates
*BT1 uranium compounds
RT carbonate minerals
RT diderichite
RT uranium minerals

URANIUM CHLORIDES
*BT1 chlorides
*BT1 uranium compounds

URANIUM COMPLEXES
*BT1 actinide complexes
NT1 uranyl complexes

URANIUM COMPOUNDS
UF+ *uranium tungstates*
BT1 actinide compounds
NT1 uranates
NT2 ammonium uranates
NT3 adu
NT2 cesium uranates
NT2 lithium uranates
NT2 potassium uranates
NT2 rubidium uranates
NT2 sodium uranates
NT2 strontium uranates
NT1 uranium arsenides
NT1 uranium borides
NT1 uranium borohydrides
NT1 uranium bromides
NT1 uranium carbides
NT1 uranium carbonates
NT1 uranium chlorides
NT1 uranium fluorides
NT2 uranium hexafluoride
NT2 uranium pentafluoride
NT2 uranium tetrafluoride
NT1 uranium hydrides
NT1 uranium hydroxides
NT1 uranium iodides
NT1 uranium nitrates
NT1 uranium nitrides
NT1 uranium oxides
NT2 uranium dioxide
NT2 uranium oxides u3o8
NT2 uranium trioxide
NT1 uranium perchlorates
NT1 uranium peroxide
NT1 uranium phosphates
NT1 uranium phosphides
NT1 uranium selenides
NT1 uranium silicates
NT1 uranium silicides
NT1 uranium sulfates
NT1 uranium sulfides
NT1 uranium tellurides
NT1 uranium vanadates
NT1 uranyl compounds
NT2 auc
NT2 uranyl carbonates
NT2 uranyl chlorides
NT2 uranyl fluorides
NT2 uranyl nitrates
NT3 unh
NT2 uranyl perchlorates

NT2 uranyl phosphates
NT2 uranyl silicates
NT2 uranyl sulfates

URANIUM CONCENTRATES
BT1 ore concentrates
*BT1 uranium ores
RT feed materials plants
RT ore processing

URANIUM DEPOSITS
BT1 geologic deposits
*BT1 mineral resources
NT1 blizzard deposit
NT1 erzgebirge deposit
NT1 jabiluka deposit
NT1 koongarra deposit
NT1 nabarlek deposit
NT1 ranger deposit
NT1 ranstad deposit
NT1 roxby downs deposit
NT1 south alligator deposit
NT1 yeelirrie deposit
RT chattanooga formation
RT geophysical surveys
RT green river formation
RT natural analogue
RT oklo phenomenon
RT radiometric surveys
RT uranium ores
RT wasatch formation

URANIUM DIOXIDE
*BT1 uranium oxides

uranium enrichment
Use isotope separation

uranium enrichment plants
Use isotope separation plants

URANIUM FLUORIDES
*BT1 fluorides
*BT1 uranium compounds
NT1 uranium hexafluoride
NT1 uranium pentafluoride
NT1 uranium tetrafluoride

URANIUM-GAMMA
*BT1 uranium

URANIUM HEXAFLUORIDE
*BT1 uranium fluorides
RT sequoyah uf6 production plant

URANIUM HYDRIDES
*BT1 hydrides
*BT1 uranium compounds

URANIUM HYDROXIDES
*BT1 hydroxides
*BT1 uranium compounds

uranium i
Use uranium 228

uranium ii
Use uranium 234

URANIUM INSTITUTE
INIS: Dec 1975; ETDE: Aug 1976
(An international trade association)
BT1 international organizations

URANIUM IODIDES
*BT1 iodides
*BT1 uranium compounds

URANIUM IONS
*BT1 ions

URANIUM ISOTOPES
BT1 isotopes
NT1 uranium 218
NT1 uranium 219
NT1 uranium 222
NT1 uranium 223
NT1 uranium 224
NT1 uranium 225
NT1 uranium 226
NT1 uranium 227
NT1 uranium 228
NT1 uranium 229
NT1 uranium 230
NT1 uranium 231
NT1 uranium 232
NT1 uranium 233
NT1 uranium 234
NT1 uranium 235
NT1 uranium 236
NT1 uranium 237
NT1 uranium 238
NT1 uranium 239
NT1 uranium 240
NT1 uranium 242

uranium mills
Use feed materials plants

URANIUM MINERALS
UF *euxenite*
UF *uranopilite*
UF+ *andersonite*
UF+ *bayleyite*
UF+ *boltwoodite*
UF+ *carburan*
UF+ *cuprosklodowskite*
UF+ *curite*
UF+ *cyrtolite*
UF+ *davidite*
UF+ *demesmaekerite*
UF+ *dumontite*
UF+ *francevillite*
UF+ *gummite*
UF+ *hatchettolite*
UF+ *iriginite*
UF+ *johannite*
UF+ *lermontovite*
UF+ *liebigite*
UF+ *masuyite*
UF+ *moluranite*
UF+ *parsonsite*
UF+ *phosphuranylite*
UF+ *rutherfordite*
UF+ *schroeckingerite*
UF+ *sharpite*
UF+ *steenstrupine*
UF+ *strelkinite*
UF+ *umohoite*
UF+ *uranocircite*
UF+ *uranothorianite*
UF+ *uranotile*
UF+ *zeunerite*
UF+ *zippeite*
*BT1 radioactive minerals
NT1 autunite
NT1 bassetite
NT1 becquerelite
NT1 billietite
NT1 brannerite
NT1 carnotite
NT1 clarkeite
NT1 coffinite
NT1 compreignacite
NT1 dewindtite
NT1 diderichite
NT1 djalmaite
NT1 ekanite
NT1 ellsworthite
NT1 ferghanite
NT1 fourmarierite
NT1 gastunite
NT1 guilleminite
NT1 hallimondite
NT1 heinrichite
NT1 ianthinite
NT1 kahlerite
NT1 kirchheimerite
NT1 lodochnikite
NT1 mackintoshite
NT1 moctezumite
NT1 montroseite
NT1 naegite
NT1 natroautunite
NT1 ningyoite
NT1 novacekite
NT1 para-schoepite
NT1 ranquilite
NT1 rauvite
NT1 sabugalite
NT1 saleeite
NT1 schoepite
NT1 sengierite
NT1 sklodowskite
NT1 soddyite
NT1 thorianite
NT1 thucholite
NT1 torbernite
NT1 tyuyamunite
NT1 uraninites
NT2 broeggerite
NT2 pitchblende
NT1 uranium black
NT1 uranophane
NT1 uranothorite
NT1 vesuvianite
RT uranium carbonates
RT uranium oxides
RT uranium phosphates
RT uranium silicates
RT uranium sulfates

URANIUM MINES
INIS: Oct 1976; ETDE: Jan 1975
*BT1 mines
NT1 beaverlodge mine
NT1 cluff lake mine
NT1 key lake mine
NT1 mary kathleen mines
NT1 olympic dam mine
NT1 osamu utsumi mine
NT1 rum jungle mine
NT1 stanleigh mine
RT natural analogue

URANIUM NITRATES
*BT1 nitrates
*BT1 uranium compounds

URANIUM NITRIDES
*BT1 nitrides
*BT1 uranium compounds
RT mixed nitride fuels

uranium ore reserves
Use uranium reserves

URANIUM ORES
BT1 ores
NT1 caldasite
NT1 uranium concentrates
RT blizzard deposit
RT chattanooga formation
RT erzgebirge deposit
RT green river formation
RT jabiluka deposit
RT koongarra deposit
RT mining
RT nabarlek deposit
RT natural nuclear reactors

RT oklo phenomenon
RT ranger deposit
RT ranstad deposit
RT roxby downs deposit
RT solution mining
RT south alligator deposit
RT thiobacillus ferroxidans
RT uranium
RT uranium deposits
RT uranium reserves
RT yeelirrie deposit

uranium oxide fuel plant
Use mixed oxide fuel fabrication plants

URANIUM OXIDES
*BT1 oxides
*BT1 uranium compounds
NT1 uranium dioxide
NT1 uranium oxides u3o8
NT1 uranium trioxide
RT becquerelite
RT billietite
RT brannerite
RT clarkeite
RT compreignacite
RT ellsworthite
RT ferghanite
RT fourmarierite
RT guilleminite
RT hallimondite
RT heinrichite
RT ianthinite
RT kahlerite
RT kirchheimerite
RT lodochnikite
RT moctezumite
RT naegite
RT novacekite
RT oxide minerals
RT para-schoepite
RT rauvite
RT schoepite
RT sengierite
RT thorianite
RT tyuyamunite
RT uranium black
RT uranium minerals

URANIUM OXIDES U3O8
(Prior to December 1985 the form U3O8 was used.)
UF *u3o8*
UF *yellow cake*
*BT1 uranium oxides

URANIUM PENTAFLUORIDE
INIS: Apr 1977; ETDE: Jun 1977
*BT1 uranium fluorides

URANIUM PERCHLORATES
INIS: Sep 1975; ETDE: Jan 1975
*BT1 perchlorates
*BT1 uranium compounds

URANIUM PEROXIDE
INIS: Nov 1977; ETDE: Oct 1980
UF *uranium peroxides*
*BT1 peroxides
*BT1 uranium compounds

uranium peroxides
Use uranium peroxide

URANIUM PHOSPHATES
*BT1 phosphates
*BT1 uranium compounds
RT dewindtite
RT natroautunite
RT ningyoite
RT phosphate minerals
RT sabugalite
RT saleeite
RT torbernite
RT uranium minerals

URANIUM PHOSPHIDES
*BT1 phosphides
*BT1 uranium compounds

URANIUM RECYCLE
INIS: Mar 1987; ETDE: Nov 1987
BT1 fuel cycle
RT fuel cycle centers
RT uranium

URANIUM REQUIREMENTS
INIS: Dec 1982; ETDE: Jan 1997
BT1 demand
RT uranium

URANIUM RESERVES
INIS: Oct 1975; ETDE: Apr 1975
UF *uranium ore reserves*
*BT1 reserves
RT mineral resources
RT uranium ores

URANIUM SELENIDES
INIS: Feb 1976; ETDE: Jan 1975
*BT1 selenides
*BT1 uranium compounds

URANIUM SILICATES
*BT1 silicates
*BT1 uranium compounds
RT ekanite
RT mackintoshite
RT ranquilite
RT silicate minerals
RT sklodowskite
RT soddyite
RT uranium minerals
RT uranophane
RT uranothorite

URANIUM SILICIDES
*BT1 silicides
*BT1 uranium compounds

URANIUM SULFATES
*BT1 sulfates
*BT1 uranium compounds
RT sulfate minerals
RT uranium minerals

URANIUM SULFIDES
*BT1 sulfides
*BT1 uranium compounds

URANIUM TELLURIDES
INIS: Feb 1976; ETDE: Jun 1975
*BT1 tellurides
*BT1 uranium compounds

URANIUM TETRAFLUORIDE
*BT1 uranium fluorides

URANIUM TRIOXIDE
*BT1 uranium oxides

uranium tungstates
Use tungstates
AND uranium compounds

URANIUM VANADATES
*BT1 uranium compounds
*BT1 vanadates
RT carnotite

uranium x 1
Use thorium 234

uranium x 2
Use thorium 231

uranocircite
Use phosphate minerals
AND uranium minerals

URANOPHANE
INIS: Feb 1976; ETDE: Jun 1975
*BT1 silicate minerals
*BT1 uranium minerals
RT calcium silicates
RT uranium silicates

uranopilite
Use uranium minerals

uranothorianite
Use oxide minerals
AND thorium minerals
AND uranium minerals

URANOTHORITE
*BT1 silicate minerals
*BT1 thorium minerals
*BT1 uranium minerals
RT thorium silicates
RT uranium silicates

uranotile
Use silicate minerals
AND uranium minerals

URANUS PLANET
BT1 planets

URANYL CARBONATES
INIS: Jul 1990; ETDE: Aug 1990
*BT1 carbonates
*BT1 uranyl compounds

URANYL CHLORIDES
INIS: Jun 1982; ETDE: Jun 1977
*BT1 chlorides
*BT1 uranyl compounds

URANYL COMPLEXES
*BT1 uranium complexes
RT uranyl compounds

URANYL COMPOUNDS
UF+ *uranyl tungstates*
*BT1 uranium compounds
NT1 auc
NT1 uranyl carbonates
NT1 uranyl chlorides
NT1 uranyl fluorides
NT1 uranyl nitrates
NT2 unh
NT1 uranyl perchlorates
NT1 uranyl phosphates
NT1 uranyl silicates
NT1 uranyl sulfates
RT uranyl complexes

URANYL FLUORIDES
*BT1 fluorides
*BT1 uranyl compounds

uranyl nitrate hexahydrate
Use unh

URANYL NITRATES
*BT1 nitrates
*BT1 uranyl compounds
NT1 unh

URANYL PERCHLORATES
INIS: Sep 1985; ETDE: Sep 1985
*BT1 perchlorates
*BT1 uranyl compounds

URANYL PHOSPHATES
INIS: Jul 1978; ETDE: Sep 1978
*BT1 phosphates
*BT1 uranyl compounds

URANYL SILICATES
INIS: Feb 1982; ETDE: Jul 1981
*BT1 silicates
*BT1 uranyl compounds

URANYL SULFATES
*BT1 sulfates
*BT1 uranyl compounds

uranyl tungstates
Use tungstates
AND uranyl compounds

URBAN AREAS
(From September 1977 till March 1997 PLANNED COMMUNITIES was a valid ETDE descriptor.)
UF *cities*
UF *metropolitan areas*
UF *suburbs*
SF *planned communities*
NT1 atlanta
NT1 chattanooga
NT1 chicago
NT1 cleveland
NT1 los alamos
NT1 los angeles
NT1 new york city
NT1 oak ridge
NT1 pittsburgh
NT1 richland
RT aesthetics
RT boom towns
RT residential sector
RT urban populations

URBAN POPULATIONS
*BT1 human populations
RT sociology
RT urban areas

URBARYONS
INIS: Apr 2000; ETDE: May 1975
*BT1 postulated particles
RT particle models
RT particle structure

UREA
UF *carbamide*
*BT1 amides
*BT1 carbonic acid derivatives
RT allantoin
RT citrulline
RT hydantoins
RT nitrosoureas
RT urea-formaldehyde foams
RT uremia

UREA-FORMALDEHYDE FOAMS
INIS: Apr 2000; ETDE: Feb 1980
*BT1 foams
RT formaldehyde
RT polymers
RT thermal insulation
RT urea

UREASE
(Code number 3.5.1.5)
*BT1 amidases

ureidoaminovaleric acid
Use citrulline

UREMIA
BT1 symptoms
*BT1 urogenital system diseases
RT blood
RT kidneys
RT urea

URETERS
*BT1 urinary tract

URETHANE
*BT1 carbamates
RT polyurethanes

urethra
Use urinary tract

URIC ACID
UF *8-hydroxyxanthine*
*BT1 xanthines
RT organic acids

uricase
Use nitro-group dehydrogenases

URIDINE
*BT1 nucleosides
*BT1 uracils
RT udpg
RT ump

uridine monophosphate
Use ump

uridine triphosphate
Use utp

URIDYLIC ACID
*BT1 nucleotides
RT uracils

urinalysis
Use qualitative chemical analysis
AND urine

URINARY KETOSTEROIDS
UF *ketosteroids (urinary)*
RT androgens
RT steroids
RT urine

URINARY TRACT
UF *urethra*
*BT1 organs
NT1 bladder
NT1 ureters
RT calculi
RT excretion
RT kidneys
RT urine
RT urogenital system diseases

URINE
UF+ *deoxycytidinuria*
UF+ *urinalysis*
*BT1 biological wastes
*BT1 body fluids
RT diuretics
RT excretion
RT kidneys
RT urinary ketosteroids
RT urinary tract

urobilinogen
Use heterocyclic acids
AND pigments
AND pyrroles

UROCANIC ACID
*BT1 heterocyclic acids
*BT1 imidazoles

urocyon
Use foxes

UROGENITAL SYSTEM DISEASES
UF+ *glycosuria*
UF+ *uterine cervix carcinoma*
BT1 diseases
NT1 gonorrhea
NT1 menstruation disorders
NT1 nephritis
NT1 nephrosclerosis
NT1 reproductive disorders
NT1 uremia
RT diuretics
RT endocrine diseases
RT female genitals
RT gynecology
RT kidneys
RT male genitals
RT syphilis
RT urinary tract

UROKINASE
(Code number 3.4.99.26.)
*BT1 blood coagulation factors
*BT1 fibrinolytic agents
*BT1 nonspecific peptidases
RT fibrinolysis

URONIC ACIDS
INIS: Apr 2000; ETDE: Jul 1979
(Hydrolyzates of hemicellulose; class of compounds similar to sugars, but terminal carbon has been oxidized from an alcohol to a carboxyl group.)
*BT1 monocarboxylic acids

UROTROPIN
UF *cystamin*
UF *hexamethylenetetramine*
*BT1 amines

URR REACTOR
(Universities Research Reactor, Risley, UK)
UF *manchester liverpool university research reactor*
*BT1 argonaut type reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 training reactors

URUGUAY
BT1 developing countries
*BT1 south america

URUGUAYAN ORGANIZATIONS
INIS: Jun 1996; ETDE: Jun 1996
BT1 national organizations

US ACDA
INIS: Apr 2000; ETDE: Mar 1986
UF *us arms control and disarmament agency*
*BT1 us organizations
RT arms control

US AEC
(Includes all AEC-associated organizations.)
UF *us atomic energy commission*
*BT1 us organizations
NT1 ames laboratory
NT1 anl
NT1 bettis
NT1 bnl
NT1 feed materials production center
NT1 hapo
NT1 idaho chemical processing plant
NT1 kapl
NT1 lawrence berkeley laboratory
NT1 lawrence livermore laboratory
NT1 mound laboratory
NT1 ornl
NT1 paducah plant

NT1 rocky flats plant
NT1 sandia laboratories
NT1 savannah river plant
NT1 sequoyah uf6 production plant
NT1 y-12 plant
RT regulatory guides
RT us doe
RT us erda
RT us nrc
RT usa

us aec low intensity test reactor
Use litr reactor

us aec low intensity training reactor
Use litr reactor

us aec lptr reactor
Use lptr reactor

us aec materials testing reactor-idaho
Use mtr reactor

us aec mrr
Use mrr reactor

US AFFIRMATIVE ACTION PROGRAM
INIS: Apr 2000; ETDE: Dec 1991
(A program designed to ensure that positive action is undertaken to overcome under representation of women and minority groups in employment and in post-secondary student bodies, as compared with the composition of the area population. Prior to December 1991 this concept was indexed by AFFIRMATIVE ACTION in ETDE.)
UF *affirmative action*
RT employment
RT minority groups
RT us federal assistance programs
RT women

us antitrust laws
Use antitrust laws

us arms control and disarmament agency
Use us acda

us atomic energy commission
Use us aec

US BUREAU OF MINES
INIS: Jul 1977; ETDE: Nov 1976
UF *bureau of mines (us)*
*BT1 us doi

US BUREAU OF RECLAMATION
INIS: Aug 1992; ETDE: Dec 1991
(Prior to December 1991 this concept was indexed to BUREAUOF RECLAMATION in ETDE.)
UF *bureau of reclamation*
*BT1 us doi

US CEQ
INIS: Apr 2000; ETDE: Mar 1981
UF *council on environmental quality*
*BT1 us organizations

US CIA
INIS: Apr 2000; ETDE: Aug 1980
UF *central intelligence agency*
*BT1 us organizations

us clean air act
Use clean air acts

US CLEAN COAL TECHNOLOGY PROGRAM
INIS: Feb 1992; ETDE: Feb 1990
RT coal preparation
RT desulfurization
RT pollution control

us clean water act
Use clean water acts

US COAST GUARD
INIS: May 1992; ETDE: Aug 1977
*BT1 us dot

US CORPS OF ENGINEERS
INIS: May 1992; ETDE: Dec 1991
(Prior to December 1991 this concept was indexed to CORPS OF ENGINEERS in ETDE.)
UF *corps of engineers*
*BT1 us dod

us department of agriculture
Use us doa

us department of commerce
Use us doc

us department of defense
Use us dod

us department of health, education, and welfare
Use us hew

us department of housing and urban development
Use us hud

us department of justice
Use us doj

us department of labor
Use us dol

us department of state
Use us dos

US DEPARTMENT OF TREASURY
INIS: Apr 1992; ETDE: Feb 1979
*BT1 us organizations
NT1 us irs

US DEPLETION ALLOWANCES
INIS: Mar 1992; ETDE: Feb 1992
(Deduction allowed to US income tax based on depletion of natural resources such as fossil fuels.)
UF *depletion allowances*
RT financial incentives
RT resource depletion
RT taxes

US DOA
INIS: Jun 1992; ETDE: Feb 1979
UF *us department of agriculture*
*BT1 us organizations
NT1 us forest service
NT1 us rea

US DOC
INIS: Apr 2000; ETDE: Feb 1979
UF *us department of commerce*
*BT1 us organizations
NT1 us nbs

US DOD
INIS: May 1992; ETDE: Sep 1977
UF *department of defense*
UF *us department of defense*
*BT1 us organizations
NT1 us corps of engineers

US DOE
INIS: Feb 1978; ETDE: Aug 1977
(US Department of Energy.)
UF+ *technical information center*
UF+ *us doe program management*
*BT1 us organizations
NT1 alaska power administration
NT1 ames laboratory
NT1 anl
NT1 atomics international canoga park plant
NT1 bartlesville energy technology center
NT1 battelle pacific northwest laboratories
NT1 bettis
NT1 bnl
NT1 bonneville power administration
NT1 economic regulatory administration
NT1 environmental measurements laboratory
NT1 feed materials production center
NT1 fermilab
NT1 hanford engineering development laboratory
NT1 hanford reservation
NT1 hapo
NT1 idaho chemical processing plant
NT1 idaho national engineering laboratory
NT1 inhalation toxicology research institute
NT1 kansas city plant
NT1 kapl
NT1 lanl
NT1 laramie energy research center
NT1 laramie energy technology center
NT1 lawrence berkeley laboratory
NT1 lawrence livermore national laboratory
NT2 lawrence livermore laboratory
NT1 morgantown energy technology center
NT1 mound laboratory
NT1 national renewable energy laboratory
NT1 nevada test site
NT1 oak ridge reservation
NT1 orgdp
NT1 ornl
NT1 paducah plant
NT1 pantex plant
NT1 pinellas plant
NT1 pittsburgh energy technology center
NT1 portsmouth centrifuge enrichment plant
NT1 portsmouth gaseous diffusion plant
NT1 rocky flats plant
NT1 sandia national laboratories
NT2 sandia laboratories
NT1 savannah river plant
NT1 sequoyah uf6 production plant
NT1 southeastern power administration
NT1 southwestern power administration
NT1 stanford linear accelerator center
NT1 us doe field offices
NT1 us doe inspector general
NT1 us energy extension service
NT1 us energy information administration
NT1 us ferc
NT1 us msha
NT1 us niper
NT1 usur
NT1 western area power administration
NT1 wipp
NT1 y-12 plant
RT ucla
RT us aec
RT us erda
RT us fea

US DOE FIELD OFFICES
INIS: Aug 1992; ETDE: Mar 1983
UF *field offices*
UF *operations offices*
*BT1 us doe

US DOE INSPECTOR GENERAL
INIS: Sep 1994; ETDE: Jun 1980
UF *inspector general (us doe)*
*BT1 us doe
RT audits

us doe program management
Use program management
AND us doe

US DOI
INIS: May 1992; ETDE: Apr 1978
UF *department of interior*
*BT1 us organizations
NT1 us bureau of mines
NT1 us bureau of reclamation
NT1 us fws
NT1 us gs
NT1 us osm

US DOJ
INIS: Jan 1993; ETDE: Feb 1979
UF *justice department*
UF *us department of justice*
*BT1 us organizations
NT1 federal bureau of investigation

US DOL
INIS: Apr 2000; ETDE: Feb 1979
UF *us department of labor*
*BT1 us organizations
NT1 us osha

US DOS
INIS: Apr 2000; ETDE: Dec 1979
UF *us department of state*
*BT1 us organizations

US DOT
INIS: Sep 1979; ETDE: Aug 1977
(US Department of Transportation.)
UF *department of transportation*
*BT1 us organizations
NT1 us coast guard
NT1 us faa

US EAST COAST
INIS: Jul 1992; ETDE: Dec 1991
(Prior to December 1991 this concept was indexed to EAST COAST in ETDE.)
UF *east coast*
*BT1 usa
RT atlantic ocean
RT connecticut
RT delaware
RT florida
RT georgia
RT maine
RT maryland
RT massachusetts
RT mid-atlantic bight
RT new hampshire
RT new jersey
RT new york
RT new york bight
RT north carolina
RT rhode island
RT south carolina
RT virginia

US ECONOMIC RECOVERY TAX ACT
INIS: Apr 2000; ETDE: Feb 1992
(Prior to February 1992 this subject was indexed by ECONOMIC RECOVERY TAX ACT.)
UF *economic recovery tax act*
BT1 laws
RT economic development
RT financial incentives
RT legislation
RT taxes
RT windfall profits tax

us ees
Use us energy extension service

US EMERGENCY PREPAREDNESS ACT
INIS: Mar 1992; ETDE: Feb 1992
(Prior to February 1992 this subject was indexed to EMERGENCY PREPAREDNESS ACT.)
UF *emergency preparedness act*
BT1 laws
RT emergency plans
RT energy supplies

US ENERGY EXTENSION SERVICE
INIS: Apr 2000; ETDE: Feb 1992
(Prior to February 1992 this subject was indexed by ENERGY EXTENSION SERVICE.)
UF *ees*
UF *energy extension service*
UF *us ees*
*BT1 us doe

US ENERGY INFORMATION ADMINISTRATION
INIS: Mar 1992; ETDE: Feb 1992
(Prior to February 1992 this subject was indexed to ENERGYINFORMATION ADMINISTRATION.)
UF *energy information administration*
*BT1 us doe

US ENERGY POLICY AND CONSERVATION ACT
INIS: Mar 1992; ETDE: Feb 1992
(US Energy Policy and Conservation Act.)
UF *energy policy and conservation act*
UF *epca*
BT1 laws
RT energy conservation
RT energy policy

US ENERGY SECURITY ACT
INIS: Mar 1992; ETDE: Feb 1992
(Prior to February 1992 this subject was indexed to ENERGYSECURITY ACT.)
UF *energy security act*
BT1 laws
RT synthetic fuels corporation

US ENERGY TAX ACT
INIS: Mar 1992; ETDE: Feb 1992
(Prior to February 1992 this subject was indexed to ENERGY TAX ACT.)
UF *energy tax act*
*BT1 national energy acts
RT energy conservation
RT energy consumption
RT financial incentives

US EPA
UF *environmental protection agency*
UF *epa*
BT1 pollution control agencies
*BT1 us organizations

us era
Use economic regulatory administration

US ERDA
(US Energy Research and Development Administration; created in 1975 and includes part of US AEC research activities, the Office of Coal Research, and the solar and geothermal research activities from the National Science Foundation.)
UF *energy research and development administration*
*BT1 us organizations
NT1 ames laboratory
NT1 anl
NT1 atomics international canoga park plant
NT1 battelle columbus laboratory
NT1 battelle pacific northwest laboratories
NT1 bettis
NT1 bnl
NT1 feed materials production center
NT1 hanford reservation
NT1 hapo
NT1 idaho chemical processing plant
NT1 idaho national engineering laboratory
NT1 kansas city plant
NT1 kapl
NT1 laramie energy research center
NT1 lawrence berkeley laboratory
NT1 lawrence livermore laboratory
NT1 mound laboratory
NT1 oak ridge reservation
NT1 orgdp
NT1 ornl
NT1 paducah plant
NT1 pantex plant
NT1 pinellas plant
NT1 portsmouth gaseous diffusion plant
NT1 rocky flats plant
NT1 sandia laboratories
NT1 savannah river plant
NT1 sequoyah uf6 production plant
NT1 stanford linear accelerator center
NT1 y-12 plant
RT us aec
RT us doe

US FAA
INIS: Jun 1993; ETDE: Sep 1978
(US Federal Aviation Administration)
UF *federal aviation administration*
*BT1 us dot

US FDA
INIS: Nov 1978; ETDE: Jun 1978
UF *food and drug administration*
*BT1 us hew

US FEA
INIS: Jul 1977; ETDE: May 1975
(US Federal Energy Administration.)
UF *federal energy administration*
*BT1 us organizations
RT us doe

US FEDERAL ASSISTANCE PROGRAMS
INIS: Mar 1993; ETDE: Feb 1992
(Prior to February 1992 this subject was indexed to FEDERAL ASSISTANCE PROGRAMS.)
UF *federal assistance programs*
RT government policies
RT local government
RT national government
RT state government

RT us affirmative action program

US FEDERAL POWER COMMISSION
INIS: Apr 2000; ETDE: Feb 1992
(Prior to February 1992 this subject was indexed by FEDERAL POWER COMMISSION.)
UF *federal power commission*
UF *fpc*
*BT1 us organizations

US FEMA
INIS: Jun 1993; ETDE: Feb 1984
(US Federal Emergency Management Agency.)
UF *federal emergency management agency*
*BT1 us organizations

US FERC
INIS: Feb 1992; ETDE: Feb 1978
UF *federal energy regulatory commission*
*BT1 us doe
RT ferc gas areas
RT regulations

US FOREST SERVICE
INIS: Apr 2000; ETDE: Jun 1981
*BT1 us doa

US FWS
INIS: Oct 1992; ETDE: Dec 1984
(US Fish and Wildlife Service)
UF *fish and wildlife service*
*BT1 us doi

US GAO
INIS: Jul 1992; ETDE: Feb 1979
(General Accounting Office)
UF *general accounting office*
*BT1 us organizations
RT accounting

us general services administration
Use us gsa

us geological survey
Use us gs

US GS
INIS: May 1992; ETDE: Jun 1981
UF *us geological survey*
*BT1 us doi

US GSA
INIS: Apr 2000; ETDE: Feb 1979
UF *us general services administration*
*BT1 us organizations

US GULF COAST
INIS: Jun 1992; ETDE: Jan 1992
(Prior to June 1992 this subject was indexed to GULF COAST.)
UF *gulf coast*
*BT1 usa
RT alabama
RT florida
RT gulf of mexico
RT louisiana
RT mississippi
RT texas

US HEW
INIS: Apr 2000; ETDE: Feb 1979
UF *us department of health, education, and welfare*
*BT1 us organizations
NT1 us fda

US HUD
INIS: Nov 1977; ETDE: Apr 1977
(US Department of Housing and Urban Development.)
UF *us department of housing and urban development*
*BT1 us organizations

US IRS
INIS: Apr 1992; ETDE: Apr 1978
(U. S. Internal Revenue Service.)
UF *internal revenue service*
*BT1 us department of treasury

US JCAE
INIS: Nov 1975; ETDE: Sep 1975
(US Joint Committee on Atomic Energy)
UF *joint committee on atomic energy*
*BT1 us organizations

US MRS PROJECT
INIS: Sep 1986; ETDE: Oct 1991
(Monitored Retrievable Storage project in the USA for the long-term isolation of spent fuel and radioactive wastes permitting continuous monitoring, ready retrieval and periodic maintenance as necessary to assure containment.)
RT high-level radioactive wastes
RT radioactive waste storage
RT spent fuel storage
RT spent fuels

US MSHA
INIS: Apr 2000; ETDE: Feb 1982
UF *mine safety and health administration*
*BT1 us doe

US NAPAP
INIS: Dec 1991; ETDE: Oct 1991
(United States National Acid Precipitation Assessment Program.)
UF *napap*
UF *national acid precipitation assessment program*
RT acid rain
RT information needs
RT research programs
RT us national program plans
RT us organizations

US NATIONAL ACADEMY OF SCIENCE
*BT1 us organizations

us national council on radiation protection and measurements
Use us ncrp

us national energy act
Use national energy acts

US NATIONAL ENERGY CONSERVATION POLICY ACT
INIS: Apr 2000; ETDE: Feb 1992
(Prior to February 1992 this concept in ETDE was indexed by NATIONAL ENERGY CONSERVATION POLICY ACT.)
UF *national energy conservation policy act*
*BT1 national energy acts
RT energy conservation
RT energy policy

US NATIONAL ENERGY PLAN
INIS: Mar 1992; ETDE: Feb 1992
(The plan proposed by President Carter in April 1977, and subsequent plans developed by the Department of Energy. Prior to February 1992 this concept was indexed to NATIONAL ENERGY PLAN in ETDE.)
*BT1 national energy plans
RT energy conservation
RT energy sources
RT energy supplies
RT national energy acts
RT us national program plans

US NATIONAL ENVIRONMENTAL POLICY ACT
INIS: Mar 1977; ETDE: Jan 1992
(Until March 1992, this descriptor was US NATL ENVIRONMENTPOLICY ACT, and from then to November 1993 it was US NATIONAL ENVIRONMENTAL POLI.)
UF *national environmental policy act*
UF *nepa*
BT1 laws
RT environment
RT environmental impact statements
RT environmental policy

US NATIONAL IGNITION FACILITY
INIS: Jun 1997; ETDE: May 1997
(Facility for inertial confinement (thermonuclear) fusion)
UF *national ignition facility*
UF *nif*
UF *us nif*
RT icf devices
RT inertial confinement
RT solid state lasers

us national oceanic and atmospheric administration
Use us noaa

US NATIONAL PROGRAM PLANS
INIS: Jun 1993; ETDE: Feb 1992
(Energy research programs.)
UF *national program plans*
RT demonstration programs
RT government policies
RT national energy acts
RT research programs
RT us napap
RT us national energy plan

US NATURAL GAS POLICY ACT
INIS: Mar 1992; ETDE: Feb 1992
(Prior to February 1992 this concept was indexed to NATURAL GAS POLICY ACT in ETDE.)
UF *natural gas policy act*
*BT1 national energy acts
RT consumer protection
RT deregulation
RT energy policy
RT natural gas industry
RT pricing regulations

US NAVAL OIL SHALE RESERVES
INIS: Mar 1992; ETDE: Feb 1992
(Prior to February 1992 this concept was indexed to NAVAL OIL SHALE RESERVES in ETDE.)
UF *naval oil shale reserves*
*BT1 oil shale deposits
*BT1 reserves
RT colorado
RT utah

US NAVAL PETROLEUM RESERVES

INIS: Apr 1992; ETDE: Feb 1992
(Prior to February 1992 this concept was indexed to NAVAL PETROLEUM RESERVE in ETDE.)
UF *naval petroleum reserve*
*BT1 petroleum deposits
*BT1 reserves
RT california
RT energy supplies
RT fuel supplies
RT underground storage
RT wyoming

us naval research laboratory cyclotron

Use nrl cyclotron

us naval research laboratory linac

Use nrl linac

US NBS

INIS: Feb 1979; ETDE: Apr 1978
UF *national bureau of standards*
UF *nbs (us)*
*BT1 us doc

us nbs reactor

Use nbsr reactor

US NCRP

(US National Council on Radiation Protection and Measurements.)
UF *national council on radiation protection/measurements (us)*
UF *ncrp (us)*
UF *us national council on radiation protection and measurements*
*BT1 us organizations

us nif

Use us national ignition facility

US NIOSH

INIS: Oct 1992; ETDE: Jan 1992
(US National Institute for Occupational Safety and Health.)
UF *national institute for occupational safety and health*
UF *niosh*
*BT1 us organizations

US NIPER

INIS: Mar 1992; ETDE: Nov 1991
(National Institute for Petroleum and Energy Research.)
UF *national institute for petroleum and energy research*
UF *niper*
*BT1 us doe

US NOAA

INIS: Apr 1992; ETDE: Jan 1980
UF *national oceanic and atmospheric administration*
UF *us national oceanic and atmospheric administration*
*BT1 us organizations

US NRC

(United States Nuclear Regulatory Commission; prior to 1975 was part of US AEC and earlier material is so indexed.)
*BT1 us organizations
RT us aec

US NUCLEAR DATA NETWORK

INIS: Jul 1992; ETDE: Apr 1985
*BT1 us organizations
RT international nuclear data committee
RT nuclear data collections

US OCCUPATIONAL SAFETY AND HEALTH ACT

INIS: Aug 1992; ETDE: Feb 1992
(US Occupational Safety and Health Act.)
UF *occupational safety and health act*
BT1 laws
RT health hazards
RT occupational diseases
RT safety
RT working conditions

US ORGANIZATIONS

BT1 national organizations
NT1 federal radiation council
NT1 nasa
NT1 national science foundation
NT1 naval research laboratory
NT1 orau
NT1 orins
NT1 synthetic fuels corporation
NT1 tennessee valley authority
NT1 us acda
NT1 us aec
NT2 ames laboratory
NT2 anl
NT2 bettis
NT2 bnl
NT2 feed materials production center
NT2 hapo
NT2 idaho chemical processing plant
NT2 kapl
NT2 lawrence berkeley laboratory
NT2 lawrence livermore laboratory
NT2 mound laboratory
NT2 ornl
NT2 paducah plant
NT2 rocky flats plant
NT2 sandia laboratories
NT2 savannah river plant
NT2 sequoyah uf6 production plant
NT2 y-12 plant
NT1 us ceq
NT1 us cia
NT1 us department of treasury
NT2 us irs
NT1 us doa
NT2 us forest service
NT2 us rea
NT1 us doc
NT2 us nbs
NT1 us dod
NT2 us corps of engineers
NT1 us doe
NT2 alaska power administration
NT2 ames laboratory
NT2 anl
NT2 atomics international canoga park plant
NT2 bartlesville energy technology center
NT2 battelle pacific northwest laboratories
NT2 bettis
NT2 bnl
NT2 bonneville power administration
NT2 economic regulatory administration
NT2 environmental measurements laboratory
NT2 feed materials production center
NT2 fermilab
NT2 hanford engineering development laboratory
NT2 hanford reservation
NT2 hapo
NT2 idaho chemical processing plant
NT2 idaho national engineering laboratory
NT2 inhalation toxicology research institute
NT2 kansas city plant
NT2 kapl
NT2 lanl
NT2 laramie energy research center
NT2 laramie energy technology center
NT2 lawrence berkeley laboratory
NT2 lawrence livermore national laboratory
NT3 lawrence livermore laboratory
NT2 morgantown energy technology center
NT2 mound laboratory
NT2 national renewable energy laboratory
NT2 nevada test site
NT2 oak ridge reservation
NT2 orgdp
NT2 ornl
NT2 paducah plant
NT2 pantex plant
NT2 pinellas plant
NT2 pittsburgh energy technology center
NT2 portsmouth centrifuge enrichment plant
NT2 portsmouth gaseous diffusion plant
NT2 rocky flats plant
NT2 sandia national laboratories
NT3 sandia laboratories
NT2 savannah river plant
NT2 sequoyah uf6 production plant
NT2 southeastern power administration
NT2 southwestern power administration
NT2 stanford linear accelerator center
NT2 us doe field offices
NT2 us doe inspector general
NT2 us energy extension service
NT2 us energy information administration
NT2 us ferc
NT2 us msha
NT2 us niper
NT2 usur
NT2 western area power administration
NT2 wipp
NT2 y-12 plant
NT1 us doi
NT2 us bureau of mines
NT2 us bureau of reclamation
NT2 us fws
NT2 us gs
NT2 us osm
NT1 us doj
NT2 federal bureau of investigation
NT1 us dol
NT2 us osha
NT1 us dos
NT1 us dot
NT2 us coast guard
NT2 us faa
NT1 us epa
NT1 us erda
NT2 ames laboratory
NT2 anl
NT2 atomics international canoga park plant
NT2 battelle columbus laboratory
NT2 battelle pacific northwest laboratories
NT2 bettis
NT2 bnl
NT2 feed materials production center
NT2 hanford reservation
NT2 hapo
NT2 idaho chemical processing plant

NT2 idaho national engineering laboratory
NT2 kansas city plant
NT2 kapl
NT2 laramie energy research center
NT2 lawrence berkeley laboratory
NT2 lawrence livermore laboratory
NT2 mound laboratory
NT2 oak ridge reservation
NT2 orgdp
NT2 ornl
NT2 paducah plant
NT2 pantex plant
NT2 pinellas plant
NT2 portsmouth gaseous diffusion plant
NT2 rocky flats plant
NT2 sandia laboratories
NT2 savannah river plant
NT2 sequoyah uf6 production plant
NT2 stanford linear accelerator center
NT2 y-12 plant
NT1 us fea
NT1 us federal power commission
NT1 us fema
NT1 us gao
NT1 us gsa
NT1 us hew
NT2 us fda
NT1 us hud
NT1 us jcae
NT1 us national academy of science
NT1 us ncrp
NT1 us niosh
NT1 us noaa
NT1 us nrc
NT1 us nuclear data network
NT1 us ota
NT1 us postal service
NT1 us veterans administration
RT us napap

US OSHA

INIS: Sep 1980; ETDE: Jun 1978
(US Occupational Safety and Health Administration.)
UF *occupational safety and health administration*
UF *osha*
*BT1 us dol

US OSM

INIS: Apr 1992; ETDE: Sep 1985
(Office of Surface Mining, Reclamation and Enforcement, that regulates all coal mining activities in the USA.)
*BT1 us doi
RT coal mining

US OTA

INIS: Jun 1993; ETDE: Mar 1981
(US Office of Technology Assessment.)
UF *office of technology assessment*
*BT1 us organizations
RT technology transfer

US POSTAL SERVICE

INIS: Apr 2000; ETDE: Feb 1979
*BT1 us organizations

US POWER PLANT AND INDUSTRIAL FUEL USE ACT

INIS: Apr 2000; ETDE: Feb 1992
(Prior to February 1992 this subject was indexed by POWER PLANT AND INDUSTRIAL FUEL USE ACT.)
UF *fuel use act*
UF *power plant and industrial fuel use act*
*BT1 national energy acts
RT electric utilities
RT fossil fuels
RT fossil-fuel power plants

US PUBLIC UTILITY REGULATORY POLICIES ACT

INIS: Jul 1992; ETDE: Feb 1992
(US Public Utility Regulatory Policies Act.)
UF *public utility regulatory policies act*
UF *purpa*
*BT1 national energy acts
RT energy conservation
RT energy efficiency
RT public utilities
RT regulations

US REA

INIS: Apr 2000; ETDE: Sep 1979
UF *rural electrification administration*
*BT1 us doa

us resource recovery acts

Use resource recovery acts

US SUPERFUND

INIS: Feb 1992; ETDE: Nov 1991
(Comprehensive environmental response, compensation, and Liability Act of 1980: public law 96-510. Prior to November 1991 this material was indexed to SUPERFUND.)
UF *cercla*
UF *superfund*
*BT1 pollution laws
RT enforcement
RT environmental policy
RT hazardous materials
RT remedial action
RT sanitary landfills
RT waste disposal
RT waste disposal acts
RT wastes

US VETERANS ADMINISTRATION

INIS: Apr 2000; ETDE: Feb 1979
*BT1 us organizations

us water pollution control act

Use clean water acts

US WEST COAST

INIS: Jun 1992; ETDE: Dec 1991
(Prior to June 1992 this concept was indexed to WEST COAST in ETDE.)
UF *west coast*
*BT1 usa
RT california
RT oregon
RT pacific ocean
RT washington

USA

UF *central region*
UF *federal region i*
UF *federal region ii*
UF *federal region iii*
UF *federal region iv*
UF *federal region ix*
UF *federal region v*
UF *federal region vi*
UF *federal region vii*
UF *federal region viii*
UF *federal region x*
UF *great lakes region*
UF *great plains*
UF *mid-atlantic region*
UF *midwest region*
UF *new england*
UF *ozark region*
UF *pacific northwest region*
UF *region i*
UF *region ii*
UF *region iii*
UF *region iv*
UF *region ix*
UF *region v*
UF *region vi*
UF *region vii*
UF *region viii*
UF *region x*
UF *rocky mountain region*
UF *southeast region*
UF *southwest region*
UF *united states of america*
UF *western region*
SF *north atlantic region*
BT1 developed countries
BT1 north america
NT1 alabama
NT1 alaska
NT1 american samoa
NT1 arizona
NT1 arkansas
NT1 california
NT2 brawley geothermal field
NT2 coso hot springs
NT2 los angeles
NT1 colorado
NT2 mahogany zone
NT2 sand wash basin
NT1 connecticut
NT1 delaware
NT1 florida
NT2 cape kennedy
NT1 georgia
NT2 atlanta
NT1 great basin
NT1 hawaii
NT1 idaho
NT1 illinois
NT2 chicago
NT1 indiana
NT1 iowa
NT1 kansas
NT1 kentucky
NT1 louisiana
NT1 maine
NT1 maryland
NT1 massachusetts
NT1 michigan
NT1 minnesota
NT1 mississippi
NT1 missouri
NT1 montana
NT2 powder river basin
NT1 nebraska
NT1 nevada
NT2 steamboat springs
NT2 tonopah test range
NT1 new hampshire
NT1 new jersey
NT1 new mexico
NT2 los alamos
NT1 new york
NT2 new york city
NT1 north carolina
NT1 north dakota
NT1 ohio
NT2 cleveland
NT1 oklahoma
NT1 oregon
NT2 mt hood
NT1 pennsylvania
NT2 pittsburgh
NT1 puerto rico
NT1 rhode island
NT1 south carolina
NT1 south dakota
NT2 table mountain area
NT1 tennessee

NT2 chattanooga
NT2 oak ridge
NT1 texas
NT1 us east coast
NT1 us gulf coast
NT1 us west coast
NT1 utah
NT2 roosevelt hot springs
NT1 vermont
NT1 virgin islands
NT1 virginia
NT1 washington
NT2 richland
NT1 washington dc
NT1 west virginia
NT1 wisconsin
NT1 wyoming
NT2 powder river basin
NT2 rock springs sites
NT2 washakie basin
RT appalachian mountains
RT oecd
RT pad districts
RT rocky mountains
RT trust territory of the pacific islands
RT us aec

useful life
Use service life

USES
(For the evaluation of the usefulness of a procedure, material, or device.)
UF *applications*
NT1 diagnostic uses
NT1 therapeutic uses
RT efficiency
RT performance

ussr
See armenia
OR azerbaijan
OR belarus
OR estonia
OR kazakhstan
OR kyrgyzstan
OR latvia
OR lithuania
OR moldova
OR republic of georgia
OR russian federation
OR tajikistan
OR turkmenistan
OR ukraine
OR uzbekistan

ussr organizations
Use russian organizations

ustav jaderneho vyzkumu
Use ujv

ustav jadernych vyzkumu
Use ujv

USTILAGO
*BT1 eumycota
BT1 parasites
RT cereals

USUR
INIS: Feb 1994; ETDE: Jul 1981
UF *united states uranium registry*
*BT1 us doe
RT nuclear industry
RT radiation protection

UTAH
*BT1 usa
NT1 roosevelt hot springs
RT asphalt ridge deposit
RT circle cliffs deposit
RT great basin
RT great salt lake
RT green river formation
RT natural bridges national monument
RT paradox basin
RT pr springs deposit
RT sunnyside deposit
RT tar sand triangle deposit
RT uinta basin
RT uinta formation
RT us naval oil shale reserves
RT western us overthrust belt
RT white river
RT white river shale project

uterine cervix carcinoma
Use carcinomas
AND urogenital system diseases

UTERUS
UF *endometrium*
UF *myometrium*
*BT1 female genitals
RT embryos
RT fetuses
RT oxytocin
RT pregnancy

utilities
See electric utilities
OR gas utilities
OR public utilities

UTP
UF *uridine triphosphate*
*BT1 nucleotides

utr-10 iowa state university reactor
Use iowa utr-10 reactor

UTR-10-KINKI REACTOR
(Atomic Energy Research Institute, Kinki Univ., Osaka Prefecture, Japan)
UF *kinki university utr-10 reactor*
*BT1 argonaut type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

utr-b queen mary college reactor
Use queen mary college utr-b reactor

UTRR REACTOR
(Atomic Energy Organization of Iran, Nuclear Research Centre, Teheran, Iran)
UF *teheran university research reactor*
UF *university of teheran research reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 thermal reactors

UVALDE DEPOSIT
INIS: Apr 2000; ETDE: Jul 1983
*BT1 oil sand deposits
RT oil sands
RT texas

UVAR REACTOR
(University of Virginia, Charlottsville, Virginia, USA)
UF *university of virginia reactor*
UF *virginia university reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 research reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 training reactors

UVEA
UF *choroid*
*BT1 eyes

UVVVR
INIS: Apr 2000; ETDE: Jul 1979
(Ustavu pro Vyzkum, Vyrobu a Vyuziti Radioisotopu - Institute for the Research, Production and Application of Radioisotopes, Prague.)
*BT1 czech organizations

UWMAK DEVICES
UF *numak reactors*
UF *university of wisconsin tokamak*
UF *uwmak reactors*
UF *wisconsin university tokamak*
*BT1 tokamak devices

uwmak reactors
Use uwmak devices

UWNR REACTOR
(University of Wisconsin, Mechanical Engineering Building, Madison, Wisconsin, USA)
UF *university of wisconsin nuclear reactor*
UF *wisconsin university nuclear reactor*
*BT1 isotope production reactors
*BT1 pool type reactors
*BT1 thermal reactors
*BT1 training reactors
*BT1 triga type reactors

UWTR REACTOR
(University of Washington, Seattle, Washington, USA)
UF *university of washington reactor*
UF *washington university (seattle) reactor*
*BT1 enriched uranium reactors
*BT1 lwgr type reactors
*BT1 thermal reactors
*BT1 training reactors

uzbek wwr-c reactor
Use wwr-s-tashkent reactor

uzbek wwr-s reactor
Use wwr-s-tashkent reactor

UZBEKISTAN
INIS: Feb 1993; ETDE: Apr 1993
(Until January 1993, this was indexed by USSR.)
SF *soviet union*
SF *union of soviet socialist republics*
SF *ussr*
BT1 asia
RT aral sea

V

v-1 reactor (bohunice)
Use bohunice v-1 reactor

v-2 reactor (bohunice)
Use bohunice v-2 reactor

v-2 reactor (dukovany)
See dukovany-1 reactor
OR dukovany-2 reactor
OR dukovany-3 reactor
OR dukovany-4 reactor

V-A THEORY
UF *vector-axial vector theory*
RT axial-vector currents
RT current algebra
RT fermi interactions
RT vector currents

V CENTERS
*BT1 color centers

V CODES
BT1 computer codes

V TROUGH COLLECTORS
INIS: Apr 2000; ETDE: Oct 1978
*BT1 concentrating collectors

va characteristic
Use electric conductivity

VAALPUTS RADIOACTIVE WASTE DISPOSAL FACILITY
INIS: May 1987; ETDE: Aug 1991
(Vaalputs Radioactive Waste Disposal Facility in Bushmanland, South Africa .)
*BT1 radioactive waste facilities

VACANCIES
(Not for HOLES.)
*BT1 point defects
NT1 color centers
NT2 a centers
NT2 e centers
NT2 f centers
NT2 h centers
NT2 i centers
NT2 m centers
NT2 r centers
NT2 s centers
NT2 u centers
NT2 v centers
NT2 x centers
NT2 z centers
NT1 frenkel defects
NT1 schottky defects
RT traps

VACCINES
RT antigens
RT bacteria
RT fungi
RT immunity
RT inoculation
RT viruses

VACCINIA VIRUS
*BT1 viruses

vacuum (1-1000 micro pa)
Use pressure range micro pa

vacuum (1-1000 milli pa)
Use pressure range milli pa

vacuum (1-1000 nano pa)
Use pressure range nano pa

vacuum (1-1000 pa)
Use pressure range pa

vacuum (7.5 - 7.5x10(3) torr)
Use pressure range kilo pa

vacuum (7.5x10(-12) - 7.5x10(-9) torr)
Use pressure range nano pa

vacuum (7.5x10(-3) - 7.5 torr)
Use pressure range pa

vacuum (7.5x10(-6) - 7.5x10(-3) torr)
Use pressure range milli pa

vacuum (7.5x10(-9) - 7.5x10(-6) torr)
Use pressure range micro pa

vacuum (below 1 nano pa)
Use pressure range below 1 nano pa

vacuum (below 7.5x10(-12) torr)
Use pressure range below 1 nano pa

vacuum (rough)
See pressure range kilo pa
OR pressure range pa

vacuum arc centrifuges
Use plasma centrifuges

VACUUM CARBONATE PROCESS
INIS: Apr 2000; ETDE: Jan 1979
*BT1 desulfurization
RT waste processing

VACUUM CASTING
UF *continuous vacuum casting*
*BT1 casting

VACUUM COATING
INIS: Apr 1979; ETDE: May 1976
(For the process; for the product use VAPOR DEPOSITED COATINGS.)
*BT1 surface coating
RT physical vapor deposition
RT sputtering
RT vacuum evaporation
RT vapor deposited coatings

VACUUM DISTILLATION
INIS: Mar 1985; ETDE: Nov 1981
*BT1 distillation

VACUUM EVAPORATION
INIS: May 1986; ETDE: Jul 1981
*BT1 evaporation
RT physical vapor deposition
RT vacuum coating
RT vapor deposited coatings
RT vapor plating

VACUUM FERMENTATION
INIS: Apr 2000; ETDE: Oct 1978
(Fermentation at about 50 to 100 mm hg.)
*BT1 fermentation

VACUUM FURNACES
BT1 furnaces
RT arc furnaces
RT electron beam furnaces

VACUUM GAGES
*BT1 pressure gages
NT1 ionization gages
NT2 bayard-alpert gages
NT2 philips gages
NT2 radioactive ionization gages
NT1 knudsen gages
NT1 pirani gages
RT vacuum systems

VACUUM MELTING
*BT1 melting

VACUUM POLARIZATION
RT casimir effect
RT quantum electrodynamics
RT vacuum states

VACUUM PUMPS
*BT1 laboratory equipment
*BT1 pumps
NT1 cryopumps
NT1 sputter-ion pumps
NT1 turbomolecular pumps
RT getters
RT pressure range
RT vacuum systems

VACUUM STATES
RT annihilation operators
RT creation operators
RT field operators
RT gluon condensation
RT instantons
RT quark condensation
RT vacuum polarization

VACUUM SYSTEMS
RT accelerators
RT vacuum gages
RT vacuum pumps

vacuum ultraviolet radiation
Use far ultraviolet radiation

VACUUM WELDING
*BT1 welding
RT electron beam welding

vagina
Use female genitals

vagotomy
Use surgery
AND vagus

VAGUS
UF+ *vagotomy*
*BT1 autonomic nervous system
*BT1 nerves
RT parasympathomimetics

VAH RIVER
INIS: Dec 2001; ETDE: Nov 1999
*BT1 rivers
RT slovakia

VAHNUM-1 REACTOR
INIS: Feb 1977; ETDE: Apr 1977
(Vahnum, North Rhein Westfalia, Federal Republic of Germany)
UF *kernkraftwerk vahnum-1*
*BT1 pwr type reactors

VAHNUM-2 REACTOR
INIS: Feb 1977; ETDE: Apr 1977
(Vahnum, NorthRhein Westfalia, Federal Republic of Germany)
UF *kernkraftwerk vahnum-2*
*BT1 pwr type reactors

VAK REACTOR
UF *kahl-vak reactor*
UF *versuchsatomkraftwerk kahl reactor*
*BT1 bwr type reactors

VALENCE
(From February 1979 to March 1997 IONIC POTENTIAL was a valid ETDE descriptor.)
UF *ionic potential*
UF *oxidation state*
UF *valency states*
UF+ *electron acceptor*
UF+ *electron donor*
UF+ *valence electrons*
NT1 coordination valences
RT hot atom chemistry
RT radiation chemistry
RT redox potential

valence electrons
Use electrons
AND valence

VALENCY MODEL
INIS: Apr 2000; ETDE: Jan 1975
(A model for certain neutron capture reactions.)
*BT1 nuclear models
RT capture
RT nuclear reactions

valency states
Use valence

VALERIC ACID
UF *pentanoic acid*
*BT1 monocarboxylic acids

VALIDATION
INIS: Oct 1982; ETDE: Jul 1980
(Act of testing for compliance with a standard.)
BT1 testing
RT evaluation
RT mathematical models
RT verification

VALINE
UF *aminoisovaleric acid-alpha*
*BT1 amino acids

VALINOMYCIN
INIS: Nov 1977; ETDE: Nov 1977
*BT1 antibiotics
RT lipids

vallecitos reactor
Use evsr reactor

vallecitos vbwr reactor
Use vbwr reactor

VALLEYS
INIS: May 1992; ETDE: Jun 1976
NT1 imperial valley
NT1 long valley
NT1 raft river valley
RT complex terrain
RT mountains
RT watersheds

values
See cost
OR data
OR economics
OR socio-economic factors

VALVES
*BT1 flow regulators
NT1 relief valves
NT1 water faucets
RT bellows
RT closures
RT pipe fittings
RT reactor cooling systems

van allen belts
Use radiation belts

VAN DE GRAAFF ACCELERATORS
UF+ *learn tandem accelerator*
*BT1 electrostatic accelerators
NT1 crnl mp tandem accelerator
NT1 jaeri tandem accelerator
NT1 orsay tandem accelerator
NT1 vivitron tandem accelerator
RT tandem electrostatic accelerators
RT vicksi accelerator

VAN DER WAALS FORCES
RT adsorption
RT intermolecular forces
RT molecules
RT virial equation

VAN HOVE-HUGENHOLTZ THEORY
UF *hugenholtz-pines theory*
RT many-body problem

VAN HOVE MODEL
*BT1 particle models
RT regge poles

van hove-prigogine theory
Use prigogine theorem

VAN HOVE THEORY
RT slowing-down
RT transport theory

VAN VLECK THEORY
RT paramagnetism

VANADATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 oxygen compounds
*BT1 vanadium compounds
NT1 potassium vanadates
NT1 uranium vanadates
RT vanadium oxides

VANADIUM
*BT1 transition elements

VANADIUM 42
INIS: Sep 1978; ETDE: Jul 1978
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 vanadium isotopes

VANADIUM 43
INIS: Jan 1993; ETDE: Jan 1993
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 vanadium isotopes

VANADIUM 44
INIS: Apr 1986; ETDE: Feb 1975
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 vanadium isotopes

VANADIUM 45
INIS: Nov 1980; ETDE: Apr 1980
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 vanadium isotopes

VANADIUM 46
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 vanadium isotopes

VANADIUM 47
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 vanadium isotopes

VANADIUM 48
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 vanadium isotopes

VANADIUM 48 TARGET
INIS: Oct 1982; ETDE: Jun 1979
BT1 targets

VANADIUM 49
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 vanadium isotopes

VANADIUM 49 TARGET
BT1 targets

VANADIUM 50
*BT1 beta-minus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 vanadium isotopes
*BT1 years living radioisotopes

VANADIUM 50 TARGET
BT1 targets

VANADIUM 51
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 stable isotopes
*BT1 vanadium isotopes

VANADIUM 51 REACTIONS
INIS: Nov 1985; ETDE: Dec 1985
*BT1 heavy ion reactions

VANADIUM 51 TARGET
BT1 targets

VANADIUM 52
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 vanadium isotopes

VANADIUM 53
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 vanadium isotopes

VANADIUM 54
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 vanadium isotopes

VANADIUM 55
INIS: Jul 1978; ETDE: Feb 1978
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes

*BT1 vanadium isotopes

VANADIUM 56
INIS: Nov 1980; ETDE: Nov 1980
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 vanadium isotopes

VANADIUM 57
INIS: Aug 1986; ETDE: Jan 1981
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 vanadium isotopes

VANADIUM 58
INIS: Aug 1986; ETDE: Jan 1981
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 vanadium isotopes

VANADIUM 59
INIS: Aug 1986; ETDE: Sep 1986
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 vanadium isotopes

VANADIUM 60
INIS: Aug 1986; ETDE: Sep 1986
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 vanadium isotopes

VANADIUM ADDITIONS
(Alloys containing not more than 1% V are listed here.)
*BT1 vanadium alloys
NT1 alloy-ni54mo17cr16fe6w4
NT2 hastelloy c
NT1 alloy-ni60co15cr10al6ti5mo3
NT2 alloy-in-100
NT1 alloy-ni62cr16mo15fe3
NT2 hastelloy s
NT1 alloy-ni65mo28fe5
NT2 hastelloy b
NT1 alloy-ti90al6
NT1 steel-cr12moniv
NT1 steel-cr12mov
NT2 alloy-ht-9
NT1 steel-cr16ni13monbv
NT1 steel-cr2mov
NT1 steel-cr2nimov
NT1 steel-cr9monbv
NT1 steel-crmov
NT1 steel-mnnimov
NT1 steel-ni26cr15ti2movalb
NT2 alloy-a-286
NT1 steel-ni3crmo
NT2 steel-astm-a543
NT1 steel-ni3crmov

VANADIUM ALLOYS
(Alloys containing more than 1% V.)
UF+ *alloy-co52fe35v13*
UF+ *alloy-ehp-496*
UF+ *steel-40k14g18f*
UF+ *transage 129*
UF+ *transage 134*
UF+ *transage 175*
UF+ *vikalloy 1*
UF+ *vikalloy 2*
*BT1 transition element alloys
NT1 alloy-co52fe35v10
NT1 alloy-ti90al6v4
NT1 alloy-ti91al4mo3
NT1 vanadium additions
NT2 alloy-ni54mo17cr16fe6w4
NT3 hastelloy c
NT2 alloy-ni60co15cr10al6ti5mo3
NT3 alloy-in-100
NT2 alloy-ni62cr16mo15fe3
NT3 hastelloy s
NT2 alloy-ni65mo28fe5
NT3 hastelloy b
NT2 alloy-ti90al6
NT2 steel-cr12moniv
NT2 steel-cr12mov
NT3 alloy-ht-9
NT2 steel-cr16ni13monbv
NT2 steel-cr2mov
NT2 steel-cr2nimov
NT2 steel-cr9monbv
NT2 steel-crmov
NT2 steel-mnnimov
NT2 steel-ni26cr15ti2movalb
NT3 alloy-a-286
NT2 steel-ni3crmo
NT3 steel-astm-a543
NT2 steel-ni3crmov
NT1 vanadium base alloys
NT2 alloy-v87cr9fe3

vanadium arsenides
Use arsenides
AND vanadium compounds

VANADIUM BASE ALLOYS
*BT1 vanadium alloys
NT1 alloy-v87cr9fe3

VANADIUM BORIDES
*BT1 borides
*BT1 vanadium compounds

VANADIUM BROMIDES
*BT1 bromides
*BT1 vanadium compounds

VANADIUM CARBIDES
*BT1 carbides
*BT1 vanadium compounds

VANADIUM CHLORIDES
*BT1 chlorides
*BT1 vanadium compounds

VANADIUM COMPLEXES
*BT1 transition element complexes

VANADIUM COMPOUNDS
UF+ *vanadium arsenides*
UF+ *vanadium tungstates*
BT1 transition element compounds
NT1 vanadates
NT2 potassium vanadates
NT2 uranium vanadates
NT1 vanadium borides
NT1 vanadium bromides
NT1 vanadium carbides
NT1 vanadium chlorides
NT1 vanadium fluorides
NT1 vanadium hydrides
NT1 vanadium hydroxides
NT1 vanadium iodides
NT1 vanadium nitrates
NT1 vanadium nitrides
NT1 vanadium oxides
NT1 vanadium phosphates
NT1 vanadium phosphides
NT1 vanadium selenides
NT1 vanadium silicates
NT1 vanadium silicides
NT1 vanadium sulfates
NT1 vanadium sulfides
NT1 vanadium tellurides

VANADIUM FLUORIDES
*BT1 fluorides
*BT1 vanadium compounds

VANADIUM HYDRIDES
*BT1 hydrides
*BT1 vanadium compounds

VANADIUM HYDROXIDES
*BT1 hydroxides
*BT1 vanadium compounds

VANADIUM IODIDES
*BT1 iodides
*BT1 vanadium compounds

VANADIUM IONS
*BT1 ions

VANADIUM ISOTOPES
BT1 isotopes
NT1 vanadium 42
NT1 vanadium 43
NT1 vanadium 44
NT1 vanadium 45
NT1 vanadium 46
NT1 vanadium 47
NT1 vanadium 48
NT1 vanadium 49
NT1 vanadium 50
NT1 vanadium 51
NT1 vanadium 52
NT1 vanadium 53
NT1 vanadium 54
NT1 vanadium 55
NT1 vanadium 56
NT1 vanadium 57
NT1 vanadium 58
NT1 vanadium 59
NT1 vanadium 60

vanadium minerals
Use minerals

VANADIUM NITRATES
INIS: Oct 1976; ETDE: Dec 1976
*BT1 nitrates
*BT1 vanadium compounds

VANADIUM NITRIDES
*BT1 nitrides
*BT1 vanadium compounds

VANADIUM ORES
INIS: Feb 1976; ETDE: Jun 1975
BT1 ores

VANADIUM OXIDES
*BT1 oxides
*BT1 vanadium compounds
RT corvusite
RT ferghanite
RT melanovanadite
RT oxide minerals
RT pascoite
RT rauvite
RT sengierite
RT tyuyamunite
RT vanadates

VANADIUM PHOSPHATES
*BT1 phosphates
*BT1 vanadium compounds

VANADIUM PHOSPHIDES
INIS: Nov 1980; ETDE: Apr 1979
*BT1 phosphides
*BT1 vanadium compounds

VANADIUM SELENIDES
INIS: Sep 1979; ETDE: Nov 1977
*BT1 selenides
*BT1 vanadium compounds

VANADIUM SILICATES
*BT1 silicates
*BT1 vanadium compounds

VANADIUM SILICIDES
*BT1 silicides
*BT1 vanadium compounds

VANADIUM SULFATES
*BT1 sulfates
*BT1 vanadium compounds

VANADIUM SULFIDES
*BT1 sulfides
*BT1 vanadium compounds

VANADIUM TELLURIDES
INIS: Apr 2000; ETDE: Jul 1991
*BT1 tellurides
*BT1 vanadium compounds

vanadium tungstates
Use tungstates
AND vanadium compounds

VANDELLOS-2 REACTOR
INIS: Oct 1993; ETDE: Apr 1986
(Vandellos, Tarragona, Spain.)
*BT1 pwr type reactors

VANDELLOS REACTOR
(Vandellos, Tarragona, Spain)
*BT1 carbon dioxide cooled reactors
*BT1 gcr type reactors
*BT1 power reactors
*BT1 thermal reactors

VANES
RT fins
RT reactor components

VANPOOLING
INIS: Apr 2000; ETDE: Jun 1977
SF *ridesharing*
BT1 carpooling
RT energy conservation
RT land transport
RT roads
RT transportation systems
RT vans

VANS
INIS: Apr 2000; ETDE: Dec 1979
BT1 vehicles
RT automobiles
RT occupants
RT taxicabs
RT vanpooling

vanstar 7
Use alloy-v87cr9fe3

VAPOR COMPRESSION REFRIGERATION CYCLE
INIS: Apr 2000; ETDE: May 1978
RT air conditioners
RT cooling systems
RT gas compressors
RT refrigerating machinery
RT refrigeration
RT refrigerators

VAPOR CONDENSATION
UF *condensation (vapor)*
NT1 dropwise condensation
NT1 film condensation
RT condensates
RT condensation chambers
RT condensation nuclei
RT cooling
RT dew point
RT fog
RT heat transfer
RT liquefaction
RT subcooling
RT vapor condensers

VAPOR CONDENSERS
UF *condensers (vapor)*
UF *liquefiers*
SF *condensers*
NT1 cold traps
NT1 steam condensers
NT2 ice condensers
NT2 isolation condensers
RT cooling towers
RT counterflow systems
RT crossflow systems
RT evaporators
RT heat sinks
RT vapor condensation
RT vapor separators

VAPOR DEPOSITED COATINGS
BT1 coatings
RT chemical vapor deposition
RT physical vapor deposition
RT sputtering
RT vacuum coating
RT vacuum evaporation
RT vapor plating

VAPOR-DOMINATED SYSTEMS
INIS: Jun 1992; ETDE: Mar 1976
(Prior to May 1976 DRY-STEAM SYSTEMS was used for this concept in ETDE.)
UF *dry-steam systems*
*BT1 hydrothermal systems
RT geysers geothermal field
RT larderello geothermal field
RT matsukawa geothermal field
RT travale geothermal field

VAPOR GENERATORS
UF *generators (vapor)*
BT1 boilers
NT1 steam generators
RT rankine cycle engines
RT reactor cooling systems
RT vapors

vapor incinerators
Use afterburners

VAPOR JET EJECTORS
NT1 steam jet ejectors
RT mhd generators

VAPOR PHASE EPITAXY
INIS: Aug 1992; ETDE: Oct 1982
(Epitaxial growth resulting from the pyrolysis of or chemical reaction between vapor phase components at the substrate surface.)
*BT1 epitaxy
RT chemical vapor deposition
RT crystal growth

VAPOR PLATING
*BT1 plating
RT cathode sputtering
RT chemical vapor deposition
RT physical vapor deposition
RT vacuum evaporation
RT vapor deposited coatings

VAPOR PRESSURE
UF *pressure (vapor)*
*BT1 thermodynamic properties
RT knudsen flow

VAPOR SEPARATORS
UF *moisture separators*
UF *separators (vapor)*
*BT1 separation equipment
NT1 steam separators
RT mhd generators
RT vapor condensers

vaporization
Use evaporation

VAPORIZATION HEAT
UF *heat of vaporization*
UF *latent heat of vaporization*
*BT1 transition heat
RT evaporation
RT latent heat storage

VAPORS
*BT1 gases
NT1 water vapor
RT distillates
RT evaporation
RT liquids
RT vapor generators
RT void fraction

var compensators
Use var control systems

VAR CONTROL SYSTEMS
INIS: Apr 2000; ETDE: Mar 1983
UF *var compensators*
UF *volt-ampere reactive control systems*
BT1 control systems
RT electric power
RT electrical transients
RT overvoltage
RT power factor
RT power systems
RT power transmission
RT reliability
RT stabilization
RT surges

varactors
Use variable capacitance diodes

VARENNES TOKAMAK
INIS: Sep 1983; ETDE: Sep 1983
UF *tokamak de varennes*
*BT1 tokamak devices

variability (biological)
Use biological variability

variability (genetic)
Use genetic variability

VARIABLE CAPACITANCE DIODES
UF *varactors*
*BT1 semiconductor diodes

VARIABLE ENERGY CYCLOTRONS
*BT1 cyclotrons
NT1 calcutta cyclotron
NT1 chandigarh cyclotron

variable moment of inertia model
Use vmi model

VARIABLE STARS
BT1 stars
NT1 eruptive variable stars
NT2 novae
NT2 supernovae
NT2 t tauri stars
NT1 pulsating variable stars
NT2 cepheids
RT magnetic stars
RT starspots

varian computers
Use computers

VARIATIONAL METHODS
BT1 calculation methods
NT1 density functional method
NT1 hsk procedure
NT1 resonating-group method
NT1 schwinger variational method
RT functionals
RT mathematics
RT neutron transport theory
RT optimization
RT ritz method

VARIATIONS
NT1 annual variations
NT1 daily variations
NT1 fluctuations
NT2 landau fluctuations
NT1 geographical variations
NT2 latitude effect
NT1 hourly variations
NT1 monthly variations
NT1 nocturnal variations
NT1 periodicity
NT1 seasonal variations
RT degrees of freedom
RT disturbances
RT modifications
RT modulation
RT oscillations
RT pulsations
RT reactor noise
RT temperature noise
RT transients

varistors
Use semiconductor resistors

VARNISHES
BT1 coatings
RT dielectric materials

VASCULAR DISEASES
BT1 diseases
NT1 arteriosclerosis
NT1 hypertension
NT1 ischemia
NT1 nephrosclerosis
NT1 telangiectasis
NT1 thrombosis
RT blood vessels
RT cardiovascular diseases
RT emboli
RT vasoconstrictors
RT vasodilators

VASOCONSTRICTION
RT blood circulation
RT blood vessels
RT capillaries
RT cardiovascular agents
RT sympathomimetics
RT vasoconstrictors
RT vasodilation

VASOCONSTRICTORS
INIS: May 1984; ETDE: Apr 1981
*BT1 cardiovascular agents
NT1 angiotensin
NT1 ephedrine
RT blood vessels
RT endothelins
RT vascular diseases
RT vasoconstriction

vasodilatation
Use vasodilation

VASODILATION
INIS: Jun 1977; ETDE: Oct 1977
UF *vasodilatation*
RT blood circulation
RT blood vessels
RT capillaries
RT cardiovascular agents
RT sympathomimetics
RT vasoconstriction
RT vasodilators

VASODILATORS
INIS: May 1984; ETDE: Apr 1981
*BT1 cardiovascular agents
NT1 dipyridamole
NT1 theobromine
NT1 theophylline
RT blood vessels
RT vascular diseases
RT vasodilation

VASOPRESSIN
UF *antidiuretic hormone*
*BT1 pituitary hormones
RT tubules

vavilov-cherenkov radiation
Use cherenkov radiation

vax computers
Use dec computers

VBWR REACTOR
UF *vallecitos vbwr reactor*
*BT1 bwr type reactors

vcocl
Use vcoclnd

VCOCLND
(Vienna Convention on Civil Liability for Nuclear Damage)
UF *damage, vienna convention on liability*
UF *liability conv nuclear damage, vienna*
UF *nuclear damage, vienna civil liability convention*
UF *vcocl*
UF *vienna convention on civil liability*
*BT1 international agreements
RT civil liability
RT nuclear damage
RT nuclear liability

vector-axial vector theory
Use v-a theory

VECTOR CURRENTS
*BT1 algebraic currents
RT axial-vector currents
RT cvc theory
RT pcvc theory
RT v-a theory

VECTOR DOMINANCE MODEL
*BT1 particle models
RT vector mesons

VECTOR FIELDS
RT quantum chromodynamics
RT quantum field theory

VECTOR MESONS
(Mesons with spin and parity 1-.)
SF *upsilon resonances*
*BT1 mesons
NT1 b*-5325 mesons
NT1 d*-2010 mesons
NT1 j psi-3097 mesons
NT1 k*-1410 mesons
NT1 k*-1680 mesons
NT1 k*-892 mesons
NT1 omega-1420 mesons
NT1 omega-1600 mesons
NT1 omega-782 mesons
NT1 phi-1020 mesons
NT1 phi-1680 mesons
NT1 psi-3685 mesons
NT1 psi-3770 mesons
NT1 psi-4040 mesons
NT1 psi-4160 mesons
NT1 psi-4415 mesons
NT1 rho-1450 mesons
NT1 rho-1700 mesons
NT1 rho-2150 mesons
NT1 rho-770 mesons
NT1 upsilon-10023 mesons
NT1 upsilon-10355 mesons
NT1 upsilon-10580 mesons
NT1 upsilon-10860 mesons
NT1 upsilon-11020 mesons
NT1 upsilon-9460 mesons
RT gluon model
RT gluons
RT higgs model
RT meson nonets
RT vector dominance model

VECTOR PROCESSING
INIS: Sep 1986; ETDE: Nov 1983
BT1 programming
RT algorithms
RT cedar computers
RT computers
RT parallel processing
RT supercomputers

VECTORS
BT1 tensors
NT1 isovectors
RT banach space
RT eigenvectors
RT helmholtz theorem
RT laplacian
RT mathematics
RT poynting theorem
RT spinors
RT tensor forces

VEGA SPACE PROBES
INIS: Apr 1985; ETDE: May 1985
*BT1 space vehicles

VEGARD LAW
RT alloy systems
RT crystal lattices

VEGETABLE OILS
INIS: Mar 1992; ETDE: Mar 1983
(Prior to March 1983 this concept was indexed to PLANTS and OILS in ETDE.)
UF+ *croton oil*
UF+ *tiglium oil*
*BT1 oils
NT1 castor oil
NT1 corn oil
NT1 cottonseed oil
NT1 linseed oil
NT1 olive oil
NT1 palm oil
NT1 peanut oil
NT1 sesame oil
NT1 soybean oil
NT1 sunflower oil
RT essential oils

VEGETABLES
(Edible parts of plants only.)
BT1 food
BT1 plants
NT1 beans

NT2 mungbeans
NT1 beets
NT2 sugar beets
NT1 brassica
NT2 kale
NT1 carrots
NT1 cucumbers
NT1 garlic
NT1 lettuce
NT1 onions
NT2 allium cepa
NT1 peas
NT1 peppers
NT1 potatoes
NT1 radishes
NT1 soybeans
NT1 spinach
NT1 yams
RT crops

vegetation
Use plants

VEGETATIVE PROPAGATION
BT1 cloning
RT adventitious bud technique
RT plants
RT reproduction

VEHICLES
(From February 1982 till March 1997 TRAILERS was a valid ETDE descriptor.)
UF *motor vehicles*
SF *trailers*
NT1 air cushion vehicles
NT1 automobiles
NT1 bicycles
NT1 buses
NT1 electric-powered vehicles
NT2 hybrid electric-powered vehicles
NT2 roadway-powered electric vehicles
NT1 flywheel-powered vehicles
NT1 mine cars
NT1 motorcycles
NT1 railroad cars
NT1 recreational vehicles
NT1 space vehicles
NT2 luna space probes
NT2 mariner space probes
NT2 mars space probes
NT2 mir orbital station
NT2 pioneer space probes
NT2 reentry vehicles
NT2 salyut orbital stations
NT2 space shuttles
NT2 vega space probes
NT2 venera space probes
NT2 viking space probes
NT2 voyager space probes
NT1 taxicabs
NT1 trackless vehicles
NT1 trains
NT2 levitated trains
NT2 locomotives
NT1 trucks
NT1 vans
RT earthmoving equipment
RT mechanical transmissions
RT mobile homes
RT motor vehicle accidents
RT motor vehicle operators
RT occupants
RT postal services
RT propulsion systems
RT rail transport
RT road tests
RT road transport
RT tires
RT traffic control
RT transport
RT wheels

VEINS
*BT1 blood vessels
NT1 portal system
RT intravenous injection
RT lymph vessels

VELA PROJECT
(Prior to February 1996 COWBOY EVENT and LOLLIPOP EVENT were valid ETDE descriptors; prior to March 1997 SHOAL EVENT was a valid ETDE descriptor.)
UF *lollipop event*
UF *project vela*
UF *shoal event*
UF+ *cowboy event*
NT1 gnome event
NT1 long shot event
NT1 salmon event
NT1 sterling event
RT nuclear explosions
RT seismic detection
RT seismology
RT underground explosions

VELOCIMETERS
INIS: Nov 1978; ETDE: Aug 1975
UF *speed indicators*
BT1 measuring instruments
RT accelerometers
RT velocity

VELOCITY
UF *speed*
NT1 angular velocity
NT1 critical velocity
NT1 mach number
NT1 phase velocity
NT1 radial velocity
NT1 slip velocity
RT acceleration
RT flow rate
RT kinetic energy
RT linear momentum
RT motion
RT velocimeters

velocity-pumps reaction turbines
Use turbines

VENERA SPACE PROBES
INIS: Sep 1978; ETDE: Jun 1979
*BT1 space vehicles
RT space flight

VENEZIANO MODEL
*BT1 particle models
NT1 dual resonance model
RT scattering amplitudes

VENEZUELA
BT1 developing countries
*BT1 south america
RT andes
RT opec

VENOMS
RT toxicity
RT toxins

VENTILATION
UF+ *ventilation ducts*
RT aerosols
RT air
RT air cleaning
RT air cleaning systems
RT air conditioning
RT air flow
RT airtightness
RT ceiling fans
RT exhaust systems
RT filters
RT fume hoods
RT gaseous wastes
RT stacks
RT ventilation barriers
RT ventilation systems

VENTILATION BARRIERS
INIS: Feb 1979; ETDE: May 1978
(Physical barriers used in mines to prevent harmful gases or smoke from mixing with air in the area being worked by miners.)
UF *stoppings*
SF *barriers*
BT1 engineered safety systems
RT ventilation

ventilation ducts
Use ducts
AND ventilation

VENTILATION SYSTEMS
INIS: Apr 1992; ETDE: Jan 1978
RT air cleaning systems
RT air conditioning
RT air flow
RT space hvac systems
RT ventilation

VENTS
RT openings

VENTURI TUBES
RT flowmeters

VENUS PLANET
BT1 planets

VENUS REACTOR
UF *vulcain experiment nuclear study*
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

VEP-1
BT1 storage rings

VEPP-2
BT1 storage rings

VEPP-3
BT1 storage rings

VEPP-4
BT1 storage rings

VERA REACTOR
(UK Ministry of Defence, Berkshire, United Kingdom)
UF *versatile experimental reactor assembly*
*BT1 fast reactors
*BT1 research reactors
*BT1 zero power reactors
RT enriched uranium reactors
RT plutonium reactors

VERIFICATION
INIS: Oct 1982; ETDE: Aug 1983
(Process or result of confirming the accuracy of reported information, data, etc.)
UF *data validation*
UF+ *information validation*
RT arms control
RT audits

RT inspection
RT on-site inspection
RT treaties
RT validation

VERMICULITE
*BT1 inorganic ion exchangers
*BT1 mica
RT aluminium silicates
RT iron silicates
RT magnesium silicates

VERMONT
*BT1 usa
RT connecticut river
RT connecticut river basin

VERMONT YANKEE REACTOR
(Vernon, Vermont, USA)
UF *yankee vermont reactor*
*BT1 bwr type reactors

VERNALIZATION
RT cereals
RT crops
RT seasons
RT seeds
RT sprouting
RT temperature dependence

VERNEUIL METHOD
INIS: Apr 2000; ETDE: Jan 1975
(Method of single-crystal growth in which powder is dropped through an oxy-hydrogen flame, falling molten on crystal seed.)
BT1 crystal growth methods
BT1 flames
RT crystal growth
RT monocrystals

vernier chronotrons
Use chronotrons

VERPLANCK-1 REACTOR
*BT1 bwr type reactors

VERPLANCK-2 REACTOR
*BT1 bwr type reactors

versatile experimental reactor assembly
Use vera reactor

versatile intermediate pulsed experimental reactor
Use viper reactor

VERSATOR TOKAMAK
INIS: Mar 1986; ETDE: Aug 1985
(A tokamak confinement experiment at Massachusetts Institute of Technology used primarily for studies on rf heating and current drive using lower hybrid waves.)
*BT1 tokamak devices

versene
Use edta

versuchsatomkraftwerk kahl reactor
Use vak reactor

VERTEBRAE
UF *spine*
UF+ *disks (intervertebral)*
UF+ *intervertebral disks*
*BT1 skeleton
RT spinal cord
RT spondylitis

VERTEBRATES
UF *chordates*
BT1 animals
NT1 amphibians
NT2 frogs
NT2 salamanders
NT3 triturus
NT2 toads
NT1 birds
NT2 fowl
NT3 chickens
NT3 ducks
NT3 geese
NT2 pigeons
NT1 fishes
NT2 anadromous fishes
NT3 salmon
NT3 striped bass
NT2 codfish
NT2 eel
NT2 fathead minnow
NT2 goldfish
NT2 plaice
NT2 trout
NT2 tuna
NT1 mammals
NT2 bats
NT2 bears
NT2 burros
NT2 cats
NT2 cetaceans
NT2 coyotes
NT2 dogs
NT3 beagles
NT2 foxes
NT2 horses
NT2 marsupials
NT2 otters
NT2 pinnipeds
NT2 primates
NT3 apes
NT3 man
NT4 children
NT5 infants
NT4 elderly people
NT4 men
NT4 women
NT3 monkeys
NT4 baboons
NT4 macacus
NT2 rabbits
NT2 rodents
NT3 gerbils
NT3 guinea pigs
NT3 hamsters
NT3 mice
NT4 transgenic mice
NT3 prairie dogs
NT3 rats
NT3 squirrels
NT3 voles
NT2 ruminants
NT3 buffalo
NT3 camels
NT3 cattle
NT4 calves
NT4 cows
NT3 deer
NT3 goats
NT3 llamas
NT3 sheep
NT2 shrews
NT2 swine
NT3 miniature swine
NT2 wolves
NT1 reptiles
NT2 alligators
NT2 lizards
NT2 snakes
NT2 turtles

VERTEX FUNCTIONS
BT1 functions
RT form factors
RT quantum field theory

VERTICAL AXIS TURBINES
INIS: Sep 1992; ETDE: Feb 1976
*BT1 wind turbines
NT1 giromill turbines
NT1 tornado turbines
RT darrieus rotors
RT madaras rotors
RT savonius rotors

VERTICAL DIVESTITURE
INIS: Apr 2000; ETDE: Sep 1977
(Required breaking up of (energy) companies into production, refining, and marketing components.)
RT competition
RT petroleum industry
RT regulations

VERTICAL INTEGRATION
INIS: Jan 1993; ETDE: Apr 1978
RT competition
RT petroleum industry

very high frequency
Use mhz range

very high frequency radiation
Use mhz range
AND radiowave radiation

very high pressure
See pressure range giga pa
OR pressure range mega pa 100-1000

very high temperature
Use temperature range 1000-4000 k

very low pressure
See pressure range milli pa
OR pressure range pa

very low temperature
Use temperature range 0013-0065 k

vessels
Use containers

vessels (chemical reactions)
Use chemical reactors

vessels (pressure)
Use pressure vessels

vessels (reactor)
Use reactor vessels

VESTIBULAR APPARATUS
UF+ *labyrinth*
*BT1 sense organs
RT auditory organs

VESUVIANITE
INIS: Apr 2000; ETDE: Apr 1981
*BT1 uranium minerals

vetch
Use vicia

veterans administration hospital triga reactor
Use triga-veterans reactor

VETERINARY MEDICINE
BT1 medicine
RT animals

VG-400 REACTOR
INIS: Apr 1989; ETDE: May 1989
- *BT1 enriched uranium reactors
- *BT1 helium cooled reactors
- *BT1 htgr type reactors
- *BT1 pebble bed reactors
- *BT1 power reactors
- *BT1 thermal reactors

vgl devices
Use magnetic mirrors

VGR-50 REACTOR
INIS: Apr 1989; ETDE: May 1989
- *BT1 enriched uranium reactors
- *BT1 helium cooled reactors
- *BT1 htgr type reactors
- *BT1 pebble bed reactors
- *BT1 power reactors
- *BT1 thermal reactors

vhf
Use mhz range

vhf radiation
Use mhz range
AND radiowave radiation

VHTR REACTOR
INIS: Jan 1978; ETDE: Mar 1978
- UF *experimental very high temperature gas cooled reactor*
- UF *multipurpose vhtr reactor*
- *BT1 enriched uranium reactors
- *BT1 experimental reactors
- *BT1 helium cooled reactors
- *BT1 htgr type reactors
- *BT1 power reactors
- *BT1 thermal reactors

VIABILITY
- *RT* biological regeneration
- *RT* growth
- *RT* life cycle
- *RT* reproduction

VIBRATING SAMPLE MAGNETOMETERS
- *BT1 magnetometers

vibration modes
Use oscillation modes

vibrational band
Use vibrational states

VIBRATIONAL STATES
- UF *collective states (vibrational)*
- UF *vibrational band*
- *BT1 excited states
- *RT* infrared spectra
- *RT* lattice vibrations
- *RT* rotation-vibration model
- *RT* rydberg-klein-rees method

vibrations (lattice)
Use lattice vibrations

vibrations (mechanical)
Use mechanical vibrations

VIBRON MODEL
INIS: Aug 1992; ETDE: Sep 1992
- *BT1 nuclear models
- *RT* cluster model

VICIA
- UF *vetch*
- *BT1 leguminosae

VICKERS HARDNESS
- *RT* hardness

vicksi
Use vicksi accelerator

VICKSI ACCELERATOR
INIS: Feb 1976; ETDE: Mar 1976
(Van de Graaff Isochronous Cyclotron Kombination fuer Schwere Ionen at Hahn-Meitner-Institut, Berlin.)
- UF *hahn-meitner vicksi accelerator*
- UF *vicksi*
- *BT1 heavy ion accelerators
- *RT* isochronous cyclotrons
- *RT* van de graaff accelerators

VICTIMS COMPENSATION
INIS: Dec 1976; ETDE: Mar 1978
(For victims not covered by workmens compensation.)
- *RT* accidents
- *RT* exceptional natural disaster
- *RT* financial security
- *RT* insurance
- *RT* liabilities
- *RT* workmens compensation

VICTORIA
- *BT1 australia

VIDAL-1 REACTOR
INIS: Feb 1976; ETDE: Oct 1975
- *BT1 enriched uranium reactors
- *BT1 helium cooled reactors
- *BT1 htgr type reactors
- *BT1 power reactors
- *BT1 thermal reactors

VIDAL-2 REACTOR
INIS: Feb 1976; ETDE: Oct 1975
- *BT1 enriched uranium reactors
- *BT1 helium cooled reactors
- *BT1 htgr type reactors
- *BT1 power reactors
- *BT1 thermal reactors

VIDEO TAPES
INIS: Mar 1985; ETDE: Jun 1981
- *BT1 magnetic tapes
- *RT* digitizers
- *RT* image processing
- *RT* images
- *RT* remote viewing equipment
- *RT* television

VIDICONS
- *BT1 camera tubes
- *RT* television cameras

vienna convention on civil liability
Use vcoclnd

vienna triga-mk-2 reactor
Use triga-2-vienna reactor

VIET NAM
- BT1 asia
- BT1 developing countries
- *RT* centrally planned economies

VIETNAMESE ORGANIZATIONS
INIS: Aug 1993; ETDE: Aug 1993
- BT1 national organizations

vietnamese triga-mk-2 reactor
Use triga-2-dalat reactor

vietnamese triga-mk-ii reactor
Use triga-2-dalat reactor

VIGNA
INIS: May 1992; ETDE: Jan 1993
- UF *cowpea plants*
- UF *mungbean plants*
- *BT1 leguminosae
- *RT* mungbeans

vikalloy 1
Use cobalt base alloys
AND iron alloys
AND vanadium alloys

vikalloy 2
Use cobalt base alloys
AND iron alloys
AND vanadium alloys

VIKING SPACE PROBES
INIS: Jun 1977; ETDE: Sep 1976
- *BT1 space vehicles

villigen cyclotron
Use sin cyclotron

VINBLASTINE
- *BT1 alkaloids
- *BT1 antimitotic drugs
- *BT1 indoles
- *RT* leukemia

vinca r-a reactor yugoslavia
Use r-a reactor

vinca r-b reactor yugoslavia
Use r-b reactor

vincristine sulfate
Use oncovin

vinoflex
Use polyvinyls

VINT TORSATRON
INIS: Jan 1977; ETDE: Apr 1977
- *BT1 torsatron stellarators

VINTOTRON DEVICES
INIS: Apr 2000; ETDE: Jan 1975
- BT1 thermonuclear devices

vinyl acetate
Use polyvinyls

VINYL CHLORIDE
INIS: Mar 1992; ETDE: May 1984
- UF *monochloroethylene*
- *BT1 chlorinated aliphatic hydrocarbons

vinyl cyanide
Use acrylonitrile

VINYL MONOMERS
- BT1 monomers
- *RT* acrolein
- *RT* acrylamide
- *RT* acrylates
- *RT* acrylic acid
- *RT* acrylic acid esters
- *RT* acrylonitrile
- *RT* methacrylates
- *RT* methacrylic acid
- *RT* methacrylic acid esters
- *RT* styrene

VINYL RADICALS
- *BT1 alkyl radicals

vinylbenzene
Use styrene

VINYLIDENE RADICALS
- BT1 radicals

violanthrone
Use condensed aromatics
AND hydrocarbons
AND ketones

VIOLATIONS
INIS: Jun 1993; ETDE: Nov 1979
(Failure to comply with laws or regulations; not for violations of invariance principles.)
UF *notice of probable violation*
NT1 security violations
RT administrative procedures
RT compliance
RT enforcement
RT laws
RT regulations

VIPER REACTOR
(UK Ministry of Defence, Berkshire, United Kingdom)
UF *versatile intermediate pulsed experimental reactor*
*BT1 enriched uranium reactors
*BT1 fast reactors
*BT1 organic moderated reactors
*BT1 pulsed reactors
*BT1 research reactors
*BT1 test reactors

VIRAL DISEASES
INIS: Dec 1982; ETDE: Jan 1981
UF *rinderpest*
*BT1 infectious diseases
NT1 aids
NT1 herpes simplex
NT1 herpes zoster
NT1 infectious hepatitis
NT1 influenza
NT1 measles
NT1 newcastle disease
NT1 poliomyelitis
NT1 rabies
RT cell transformations
RT encephalitis
RT host
RT viruses

virgil c summer-1 reactor
Use summer-1 reactor

VIRGIN ISLANDS
INIS: Jun 1992; ETDE: Jul 1979
*BT1 lesser antilles
*BT1 usa

VIRGINIA
*BT1 usa
RT chesapeake bay
RT james river
RT potomac river
RT potomac river basin
RT us east coast

virginia polytechnic institute training reactor
Use vpi-utr-10 reactor

virginia university reactor
Use uvar reactor

VIRIAL EQUATION
(In thermodynamics only.)
BT1 equations
RT equations of state
RT gases
RT thermodynamics
RT van der waals forces

VIRIAL THEOREM
(In mechanics only.)
RT kinetic energy
RT mechanics
RT particles
RT statistics

VIRTUAL HEIGHT
INIS: Apr 2000; ETDE: Jan 1975
(Apparent height of an ionized atmospheric layer determined from time interval between the transmitted signal and the ionospheric echo at vertical incident.)
*BT1 height
RT ionosphere
RT scale height

virtual mass effect
Use hydrodynamic mass effect

VIRTUAL PARTICLES
BT1 elementary particles
RT deep inelastic scattering

VIRTUAL STATES
BT1 energy levels

VIRULENCE
RT infectious diseases
RT microorganisms

VIRUSES
BT1 microorganisms
BT1 parasites
NT1 aids virus
NT1 bacteriophages
NT1 influenza viruses
NT1 measles virus
NT1 oncogenic viruses
NT2 adenovirus
NT2 leukemia viruses
NT2 polyoma virus
NT1 polio virus
NT1 simian virus
NT1 tobacco mosaic virus
NT1 vaccinia virus
RT herpes simplex
RT herpes zoster
RT inoculation
RT interferon
RT mutagens
RT newcastle disease
RT particles
RT plaque formation
RT rabies
RT vaccines
RT viral diseases

VISCOSE
*BT1 polysaccharides
*BT1 xanthates

VISCOSIMETERS
BT1 measuring instruments

VISCOSITY
UF+ *heavy oils*
RT fluid flow
RT internal friction
RT rheology
RT superfluidity
RT thixotropy
RT viscous flow

VISCOUS FLOW
BT1 fluid flow
NT1 couette flow
RT laminar flow
RT navier-stokes equations
RT prandtl number
RT reynolds number
RT stokes law
RT turbulent flow
RT viscosity

VISIBILITY
INIS: May 1986; ETDE: Feb 1978
RT fog
RT luminosity
RT opacity
RT optical properties
RT pattern recognition
RT smog
RT smokes
RT visible radiation

VISIBLE RADIATION
UF *light*
UF+ *photomagnetic effect*
*BT1 electromagnetic radiation
RT fresnel coefficient
RT kerr effect
RT laser radiation
RT light scattering
RT light sources
RT lighting systems
RT monochromatic radiation
RT opacity
RT photon beams
RT photoperiod
RT photoreactivation
RT raman effect
RT reflectivity
RT schlieren method
RT visibility
RT visible spectra
RT voigt effect

VISIBLE SPECTRA
INIS: Jul 1976; ETDE: Nov 1976
BT1 spectra
RT visible radiation

VISION
RT eyes

visitor centers
Use public buildings

visual purple
Use rhodopsin

VITALLIUM
INIS: Apr 2000; ETDE: Dec 1974
*BT1 chromium alloys
*BT1 cobalt alloys
*BT1 molybdenum alloys

VITAMIN A
UF *axerophtol*
UF *retinol*
BT1 vitamins
RT carotenoids
RT retinoic acid

vitamin b-1
Use thiamine

VITAMIN B-12
UF *cyanocobalamin*
*BT1 hematinics
*BT1 vitamin b group
RT anemias
RT intrinsic factor

vitamin b-2
Use riboflavin

vitamin b-5
Use pantothenic acid

vitamin b-6
Use pyridoxine

VITAMIN B GROUP
BT1 vitamins
NT1 biotin
NT1 carnitine
NT1 folic acid
NT1 nicotinamide
NT1 nicotinic acid
NT1 pantothenic acid
NT1 pyridoxine
NT1 riboflavin
NT1 thiamine
NT1 vitamin b-12
RT adenines
RT citrovorum factor
RT coenzymes
RT lipotropic factors
RT paba
RT pyridoxal

vitamin b-t
Use carnitine

vitamin c
Use ascorbic acid

VITAMIN D
BT1 vitamins
NT1 cholecalciferol
NT1 ergocalciferol
RT rickets

vitamin d-2
Use ergocalciferol

vitamin d-3
Use cholecalciferol

VITAMIN E
UF *tocopherols*
BT1 vitamins

vitamin h
Use biotin

vitamin h-1
Use paba

VITAMIN K
*BT1 quinones
BT1 vitamins
RT anticoagulants
RT blood coagulation factors
RT ubiquinone

vitamin p
Use bioflavonoids

vitamin pp
Use nicotinamide

VITAMINS
NT1 ascorbic acid
NT1 bioflavonoids
NT1 vitamin a
NT1 vitamin b group
NT2 biotin
NT2 carnitine
NT2 folic acid
NT2 nicotinamide
NT2 nicotinic acid
NT2 pantothenic acid
NT2 pyridoxine
NT2 riboflavin
NT2 thiamine
NT2 vitamin b-12
NT1 vitamin d
NT2 cholecalciferol
NT2 ergocalciferol
NT1 vitamin e
NT1 vitamin k
RT biochemistry
RT carotenoids
RT diet
RT drugs
RT food
RT food additives
RT metabolism

VITON
*BT1 rubbers

VITRIFICATION
SF *immobilization (wastes)*
RT ceramic melters
RT glass
RT harvest process
RT metallic glasses
RT pamela plant
RT radioactive waste processing
RT solidification
RT waste processing

VITRINITE
INIS: Apr 2000; ETDE: Sep 1979
BT1 macerals

VIVITRON TANDEM ACCELERATOR
INIS: Dec 1990; ETDE: Aug 1991
(Nuclear Research Center, Strasbourg, France.)
*BT1 tandem electrostatic accelerators
*BT1 van de graaff accelerators

VK-50 REACTOR
(Dimitrovgrad, Russian Federation)
UF *ulyanovsk reactor vk-50*
*BT1 bwr type reactors

vlasov equation
Use boltzmann-vlasov equation

vlasov instability
Use boltzmann-vlasov equation

vlasov-maxwell equations
Use boltzmann-vlasov equation

vlb systems
Use interferometers

vlcc
Use tanker ships

VMI MODEL
UF *variable moment of inertia model*
*BT1 nuclear models
RT backbending
RT moment of inertia

vnt alloys
Use manganese steels

voc
Use organic compounds
AND volatile matter

vocabulary (controlled)
Use standardized terminology

vocational training
Use training

VOGTLE-1 REACTOR
(Waynesboro, Georgia, USA)
*BT1 pwr type reactors

VOGTLE-2 REACTOR
(Waynesboro, Georgia, USA)
*BT1 pwr type reactors

VOGTLE-3 REACTOR
(Waynesboro, Georgia, USA)
*BT1 pwr type reactors

VOGTLE-4 REACTOR
(Waynesboro, Georgia, USA)
*BT1 pwr type reactors

VOID COEFFICIENT
BT1 reactivity coefficients

VOID FRACTION
RT liquids
RT vapors

VOIDS
RT boiling detection
RT bubbles
RT cavities
RT defects

VOIGT EFFECT
UF *cotton-mouton effect*
BT1 magneto-optical effects
RT plasma
RT polarization
RT visible radiation

VOLATILE MATTER
INIS: May 1986; ETDE: Sep 1976
(Materials capable of being readily evaporated.)
UF+ *voc*
BT1 matter
RT coal
RT devolatilization
RT pyrolysis products
RT pyrolytic gases
RT pyrolytic oils
RT volatility

VOLATILITY
RT chloride volatility process
RT devolatilization
RT distillation
RT fluoride volatility process
RT volatile matter

volatilization
Use evaporation

VOLCANIC GASES
INIS: Mar 1993; ETDE: Aug 1978
(Volatile matter released during a volcanic eruption that was previously dissolved in the magma.)
*BT1 gases
RT fumarolic fluids
RT volcanism
RT volcanoes

VOLCANIC REGIONS
RT hachimantai
RT volcanoes

VOLCANIC ROCKS
INIS: Mar 1976; ETDE: May 1975
*BT1 igneous rocks
NT1 andesites
NT1 basalt
NT2 diabases
NT1 lamprophyres
NT2 kimberlites
NT1 nepheline basalts
NT1 perlite
NT1 rhyolites
NT1 trachytes
NT1 tuff

VOLCANISM
INIS: Apr 1992; ETDE: Nov 1975
(The process by which magma and its associated gases rise into the earth's crust and are extruded onto the earth's surface and into the atmosphere.)
RT eruption
RT lava
RT magma
RT magmatism
RT volcanic gases
RT volcanoes

VOLCANOES
NT1 kilauea volcano
RT calderas
RT earth crust
RT eruption
RT fumaroles
RT geology
RT geothermal energy
RT hot spots
RT lava
RT magma
RT mt st helens
RT volcanic gases
RT volcanic regions
RT volcanism

VOLES
*BT1 rodents

VOLGA RIVER
*BT1 rivers
RT russian federation

VOLOXIDATION PROCESS
(Separation process designed to remove volatile fission products from spent LMFBR fuels.)
BT1 head end processes

volt-ampere characteristic
Use electric conductivity

volt-ampere reactive control systems
Use var control systems

voltage
Use electric potential

VOLTAGE DROP
INIS: Sep 1992; ETDE: Jan 1976
NT1 electrical transients
RT electric potential
RT resistors

VOLTAGE REGULATORS
UF *regulators (voltage)*
RT electric controllers
RT surges

voltaic cells
Use electric batteries

VOLTAMETRY
UF *coulometry*
RT currents
RT electrolysis
RT electrolytic cells
RT potentiostats
RT quantitative chemical analysis

volterra equations
Use volterra integral equations

VOLTERRA INTEGRAL EQUATIONS
UF *volterra equations*
*BT1 integral equations

VOLTMETERS
*BT1 electric measuring instruments

VOLUME
RT dilatancy
RT dimensions
RT size

VOLUMETRIC ANALYSIS
INIS: Mar 1983; ETDE: Apr 1975
*BT1 quantitative chemical analysis
NT1 titration
NT2 amperometry
NT2 iodometry
NT2 potentiometry
NT2 thermometric titration

VOMITING
BT1 symptoms
RT digestive system diseases
RT stomach

VORONEZH AST-500 REACTOR
INIS: Jan 1990; ETDE: Feb 1990
(Voronezh, Russian Federation)
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

VORTEX AUGMENTED TURBINES
INIS: Apr 2000; ETDE: Jun 1977
(Horizontal axis turbines located at trailing ends of aerodynamic wing to utilize vortex air flow from wing tips.)
*BT1 wind turbines
RT horizontal axis turbines

VORTEX FLOW
(Prior to October 1981 this concept was indexed to SWIRL FLOW in ETDE.)
UF *swirl flow*
BT1 fluid flow
RT superfluidity

VORTICES
RT turbulence

vortices (magnetic)
Use magnetic flux

VOYAGER SPACE PROBES
INIS: Apr 1978; ETDE: Jul 1978
*BT1 space vehicles

vpi and su training reactor
Use vpi-utr-10 reactor

VPI-UTR-10 REACTOR
(Blacksburg, Virginia, USA.)
UF *virginia polytechnic institute training reactor*
UF *vpi and su training reactor*
*BT1 argonaut type reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

VR-1 REACTOR
INIS: Aug 1986; ETDE: Sep 1986
(Czech Technical University, Faculty of Nuclear Science and Technical Engineering, Prague.)
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 thermal reactors
*BT1 training reactors

VRAIN REACTOR
UF *fort st. vrain reactor*
*BT1 enriched uranium reactors
*BT1 helium cooled reactors
*BT1 htgr type reactors
*BT1 power reactors

VUILLEUMIER CYCLE
INIS: Apr 2000; ETDE: Jan 1978
BT1 thermodynamic cycles
RT solar air conditioners

VUJE
Dec 2002
UF *nuclear power plant research institute*
UF *vyskumny ustav jadrovych elektrarni*
*BT1 slovak organizations

vulcain experiment nuclear study
Use venus reactor

vulcain/belgian-3 reactor
Use br-3-vn reactor

VULCAN FACILITY
INIS: Jul 1999; ETDE: Sep 1999
(Neodymium laser facility at Rutherford Appleton Laboratories, UK.)
RT laser fusion reactors
RT neodymium lasers

VULCANIZATION
RT curing
RT rubbers
RT vulcanized elastomers

VULCANIZED ELASTOMERS
NT1 ebonite
RT elastomers
RT vulcanization

VULNERABILITY
INIS: Apr 1992; ETDE: Jul 1978
(From May 1987 till March 1997 TERRORISM was a valid ETDE descriptor.)
SF *terrorism*
RT sabotage
RT safeguards
RT theft
RT warfare

vulpes
Use foxes

VYCOR
RT glass

vyskumny ustav jadrovych elektrarni
Use vuje

W

w boson
Use intermediate bosons

W CODES
BT1 computer codes

W-L SULFUR DIOXIDE RECOVERY PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Process for desulfurization of waste gas stream developed by Wellman-Power Gas, Inc.)
UF *wellman-lord process*
*BT1 desulfurization
RT waste processing

W MINUS BOSONS
INIS: Mar 1986; ETDE: Oct 1985
(Prior to October 1985 this concept was indexed to INTERMEDIATE VECTOR BOSONS in ETDE.)
*BT1 intermediate vector bosons

W PLUS BOSONS
INIS: Mar 1986; ETDE: Oct 1985
(Prior to October 1985 this concept was indexed to INTERMEDIATE VECTOR BOSONS in ETDE.)
*BT1 intermediate vector bosons

w stellarators
See wendelstein-2b stellarator
OR wendelstein-7 stellarator

w. b. mc guire-1 reactor
Use mc guire-1 reactor

w. b. mc guire-2 reactor
Use mc guire-2 reactor

WABASCA DEPOSIT
INIS: Jun 1992; ETDE: Apr 1975
*BT1 oil sand deposits
RT alberta
RT canada
RT oil sands

WACKERSDORF REPROCESSING PLANT
INIS: Feb 1988; ETDE: May 1988
(Wiederaufarbeitungsanlage Wackersdorf, Federal Republic of Germany.)
UF *waw*
UF *wiederaufarbeitungsanlage wackersdorf*
*BT1 fuel reprocessing plants
RT reprocessing
RT spent fuel elements
RT spent fuels

WADDEN SEA
INIS: Jan 1999; ETDE: Jan 1999
*BT1 north sea
RT netherlands

wageningen barn reactor
Use barn reactor

WAGES
INIS: Oct 1992; ETDE: Aug 1980
UF *salary*
RT personnel
RT work

wagon wheel event
Use contained explosions
AND nuclear explosions

WAGR REACTOR
UF *agr reactor (windscale)*
UF *windscale advanced gas-cooled reactor*
*BT1 agr type reactors
*BT1 carbon dioxide cooled reactors
*BT1 power reactors
*BT1 thermal reactors

WAIOTAPU GEOTHERMAL FIELD
INIS: Apr 2000; ETDE: Feb 1975
BT1 geothermal fields
RT new zealand

WAIRAKEI GEOTHERMAL FIELD
INIS: Feb 1993; ETDE: Jan 1975
BT1 geothermal fields
RT geothermal hot-water systems
RT new zealand

WAIRAKITE
INIS: Apr 2000; ETDE: Feb 1975
(The calcium analog of analcime.)
*BT1 zeolites

WAK
(Wiederaufarbeitungsanlage Karlsruhe)
UF *karlsruhe reprocessing plant*
UF *wiederaufarbeitungsanlage karlsruhe*
*BT1 fuel reprocessing plants
*BT1 german fr organizations
RT reprocessing
RT spent fuel elements
RT spent fuels

WAKEFIELD ACCELERATORS
INIS: Apr 1987; ETDE: Jul 1986
(Accelerators in which particles gain energy from electromagnetic waves (the "wake") generated by a relativistic beam .)
*BT1 linear accelerators
RT acceleration
RT plasma waves

WALECKA MODEL
INIS: Oct 1984; ETDE: Nov 1984
(A mean-field theory of nuclear matter with scalar and vector fields as carriers of nuclear forces.)
*BT1 nuclear models
RT nuclear matter

walker carcinoma
Use experimental neoplasms

wall effect
Use wall effects

WALL EFFECTS
UF *plasma-wall interactions*
UF *wall effect*
RT end effects
RT ionization
RT ionization chambers
RT microdosimetry
RT particle influx
RT plasma
RT plasma impurities
RT proportional counters
RT wall-less counters

WALL-LESS COUNTERS
*BT1 radiation detectors
RT ionization chambers
RT proportional counters
RT wall effects

WALL LOADING
INIS: Aug 1975; ETDE: Oct 1975
(Surface power density at thermonuclear reactor walls.)
BT1 power density
RT first wall

WALLS
INIS: May 1992; ETDE: Nov 1975
NT1 bead walls
NT1 drum walls
NT1 trombe walls
NT1 water walls
RT buildings
RT panels

walls (cell)
Use cell wall

walls (thermonuclear reactor)
Use thermonuclear reactor walls

walter reed research reactor l-54
Use wrrr reactor

WALTHER PROCESS
INIS: Apr 2000; ETDE: Aug 1982
(Desulfurization process in which ammonia is used to produce pelletized ammonium sulfate as a dry end product for direct use as a fertilizer.)
*BT1 desulfurization

WANKEL ENGINES
INIS: Apr 2000; ETDE: Apr 1975
*BT1 rotary engines
*BT1 spark ignition engines

WANO
INIS: May 1990; ETDE: Jun 1990
(World Association of Nuclear Operators.)
UF *world association of nuclear operators*
BT1 international organizations
RT nuclear operators

wapa
Use western area power administration

WARD IDENTITY
RT gauge invariance
RT quantum electrodynamics

WARFARE
INIS: Mar 1992; ETDE: Feb 1975
NT1 biological warfare
NT1 chemical warfare
NT1 conventional warfare
NT1 radiological warfare
RT military strategy
RT national defense
RT vulnerability

WARM SPRINGS
INIS: Jul 1993; ETDE: Jun 1980
(Springs whose temperature is appreciably above the local mean annual temperature but below that of the human body.)
SF *geothermal springs*
*BT1 thermal springs
RT hydrothermal systems

warning systems
Use alarm systems

WARRANTIES
INIS: Apr 2000; ETDE: Jul 1979
RT consumer protection
RT equipment
RT legal aspects

WARSAW CYCLOTRON
INIS: Jul 1982; ETDE: Aug 1982
*BT1 heavy ion accelerators
*BT1 isochronous cyclotrons

WASATCH FORMATION
INIS: Apr 1984; ETDE: Apr 1975
BT1 geologic formations
RT colorado
RT natural gas
RT natural gas deposits
RT oil shales
RT uranium deposits
RT wyoming

WASHAKIE BASIN
INIS: Apr 2000; ETDE: Jan 1975
*BT1 wyoming
RT green river formation
RT oil shale deposits

washers (fuel)
Use fuel washers

washers, clothes
Use clothes washers

WASHING
INIS: Mar 1992; ETDE: Feb 1975
UF+ *laundries*
BT1 cleaning
RT clothes washers
RT coal preparation
RT dishwashers
RT heavy media separation
RT safety showers
RT scrubbing

WASHINGTON
*BT1 usa
NT1 richland
RT cascade mountains
RT columbia river
RT columbia river basin
RT hanford engineering development laboratory
RT hanford reservation
RT lewis river
RT mt baker
RT mt st helens
RT pasco basin
RT puget sound
RT sequim bay
RT skagit river
RT us west coast

WASHINGTON DC
UF *district of columbia*
*BT1 usa
RT potomac river basin

washington public power supply system-1 reactor
Use wnp-1 reactor

washington public power supply system-2 reactor
Use wnp-2 reactor

washington public power supply system-3 reactor
Use wnp-3 reactor

washington public power supply system-4 reactor
Use wnp-4 reactor

washington public power supply system-5 reactor
Use wnp-5 reactor

washington state university reactor
Use wsur reactor

washington university (seattle) reactor
Use uwtr reactor

WASHOUT
UF *rainout*
UF *scavenging (atmospheric)*
UF *wet deposition*
BT1 fallout
RT air pollution
RT atmospheric precipitations
RT decontamination
RT droplets
RT precipitation scavenging
RT radioactive clouds
RT rain
RT sprays
RT water

WASPALOY
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-ni58cr20co14mo4ti3

WASPS
(Prior to March 1997 HABROBRACON was a valid ETDE descriptor.)
UF *habrobracon*
*BT1 hymenoptera

waste burial
See ground disposal
OR underground disposal

waste chemicals
Use chemical wastes

WASTE DISPOSAL
(For final disposal of wastes, with no intention of retrieval.)
UF *discharges (wastes)*
UF *disposal (wastes)*
UF *ultimate storage*
UF+ *sewage disposal*
*BT1 waste management
NT1 ground disposal
NT1 ground release
NT1 marine disposal
NT1 nonradioactive waste disposal
NT1 radioactive waste disposal
NT1 sanitary landfills
NT1 stack disposal
NT1 underground disposal
RT aerosol wastes
RT gaseous wastes
RT global aspects
RT hydraulic fracturing
RT liquid wastes
RT reinjection
RT salt vault project
RT solid wastes
RT spent liquors
RT us superfund
RT waste disposal acts
RT waste processing
RT waste storage
RT wastes

WASTE DISPOSAL ACTS
INIS: May 1992; ETDE: Apr 1978
(For legislation of any country relating to the handling of nonradioactive wastes. For radioactive wastes, use NUCLEAR WASTE POLICY ACTS.)
BT1 laws
NT1 nuclear waste policy acts
RT liquid wastes
RT nonradioactive waste disposal
RT resource recovery acts
RT solid wastes
RT us superfund
RT waste disposal

WASTE FORMS
INIS: Nov 1985; ETDE: Feb 1984
(Physical and chemical forms of wastes (e.g. liquid, in concrete, in glass) without packaging.)
UF *wasteforms*
*BT1 radioactive wastes
RT gaseous wastes
RT liquid wastes
RT radioactive waste disposal
RT radioactive waste processing
RT solid wastes
RT waste management

waste-fueled boilers
Use refuse-fueled boilers

waste-fueled power plants
Use refuse-fueled power plants

WASTE HEAT
*BT1 heat
BT1 wastes
RT cogeneration
RT district heating
RT energy sources
RT heat sinks
RT plumes
RT thermal effluents
RT thermal pollution
RT waste heat utilization

WASTE HEAT BOILERS
INIS: Apr 1992; ETDE: Dec 1978
BT1 boilers
RT cogeneration
RT heat recovery equipment
RT waste heat utilization

WASTE HEAT UTILIZATION
INIS: Dec 1982; ETDE: Jun 1977
(From January 1979 till February 1997 ENERGY CASCADE was a valid ETDE descriptor.)
UF *energy cascade*
UF *energy cascading*
BT1 waste product utilization
RT aquaculture
RT cogeneration
RT heat recovery
RT waste heat
RT waste heat boilers

waste isolation pilot plant
Use wipp

WASTE MANAGEMENT
UF *handling (wastes)*
BT1 management
NT1 nonradioactive waste management
NT2 nonradioactive waste disposal
NT1 radioactive waste management
NT2 radioactive waste disposal
NT2 radioactive waste processing
NT3 harvest process
NT2 radioactive waste storage
NT3 monitored retrievable storage
NT1 waste disposal
NT2 ground disposal
NT2 ground release
NT2 marine disposal
NT2 nonradioactive waste disposal
NT2 radioactive waste disposal
NT2 sanitary landfills
NT2 stack disposal
NT2 underground disposal
NT1 waste processing
NT2 activated sludge process
NT2 composting
NT2 fluidized bed refuse gasification
NT2 landgard pyrolysis system
NT2 lime-soda sinter process
NT2 materials recovery
NT2 molten salt waste gasification process
NT2 occidental flash pyrolysis process
NT2 purox pyrolysis process
NT2 radioactive waste processing
NT3 harvest process
NT2 slagging pyrolysis process
NT2 steam stripping
NT2 syngas process
NT2 unisulf process
NT2 wet oxidation processes

NT1 waste retrieval
NT1 waste storage
NT2 radioactive waste storage
NT3 monitored retrievable storage
NT1 waste transportation
RT hazardous materials
RT waste forms
RT waste oils
RT waste product utilization

WASTE OIL REFINERIES

INIS: Aug 1992; ETDE: Jul 1981
*BT1 waste processing plants
RT lubricating oils
RT petroleum refineries
RT recycling
RT waste oils
RT waste product utilization

WASTE OILS

INIS: Mar 1992; ETDE: Oct 1976
*BT1 oils
RT lubricating oils
RT recycling
RT waste management
RT waste oil refineries

WASTE PELLETS

INIS: Mar 1981; ETDE: Apr 1981
BT1 pellets
*BT1 solid wastes
RT pelletizing
RT radioactive wastes

WASTE PROCESSING

UF *bailie process*
UF *bamag process*
UF *black clawson system*
UF *caloricon process*
UF *cyam process*
UF *flame chamber process*
UF *hichlor process*
UF *processing (wastes)*
UF *waste treatment*
UF+ *citrex process*
UF+ *pyrotek process*
UF+ *sewage treatment*
SF *destrugas process*
BT1 processing
*BT1 waste management
NT1 activated sludge process
NT1 composting
NT1 fluidized bed refuse gasification
NT1 landgard pyrolysis system
NT1 lime-soda sinter process
NT1 materials recovery
NT1 molten salt waste gasification process
NT1 occidental flash pyrolysis process
NT1 purox pyrolysis process
NT1 radioactive waste processing
NT2 harvest process
NT1 slagging pyrolysis process
NT1 steam stripping
NT1 syngas process
NT1 unisulf process
NT1 wet oxidation processes
RT aerobic digestion
RT alkalized alumina process
RT ammonia-ammonium bisulfate process
RT anaerobic digestion
RT bergbauforschung process
RT bischoff process
RT bitumens
RT calcination
RT cea-adl dual alkali process
RT chiyoda thoroughbred process
RT evaporation
RT flotation
RT fmc double alkali process
RT freezing out
RT lime-limestone wet scrubbing processes
RT liquid wastes
RT magnesium slurry scrubbing process
RT perox process
RT precipitation
RT process control
RT recycling
RT regeneration
RT resox process
RT saarberg-holter process
RT scrap
RT scrubbers
RT settling ponds
RT shell-uop copper oxide process
RT solidification
RT soxal process
RT thiosorbic process
RT vacuum carbonate process
RT vitrification
RT w-l sulfur dioxide recovery process
RT waste disposal
RT waste processing plants
RT wet ashing

WASTE PROCESSING PLANTS

INIS: May 1992; ETDE: Oct 1975
UF *cpu-400 combustion plant*
BT1 industrial plants
NT1 resource recovery facilities
NT1 waste oil refineries
RT biogas process
RT landgard pyrolysis system
RT occidental flash pyrolysis process
RT purox pyrolysis process
RT waste processing

WASTE PRODUCT UTILIZATION

INIS: Dec 1981; ETDE: Aug 1977
(Use of waste products as raw material, either directly or after processing, e.g. sewage sludge for fertilizer, or radioactive waste as a source of radiation.)
NT1 waste heat utilization
RT cogeneration
RT energy recovery
RT spent liquors
RT stillage
RT waste management
RT waste oil refineries

WASTE RETRIEVAL

INIS: Aug 1981; ETDE: Sep 1981
(From August 1979 till March 1997 WASTE RETRIEVAL was a valid ETDE descriptor.)
SF *retrieval systems*
*BT1 waste management
RT materials handling
RT radioactive waste facilities
RT radioactive wastes

WASTE-ROCK INTERACTIONS

INIS: Oct 1981; ETDE: Mar 1981
RT backfilling
RT chemical reactions
RT radioactive waste disposal
RT rock-fluid interactions
RT rocks

waste solutions

Use liquid wastes

WASTE STORAGE

(For temporary storage of wastes.)
UF *interim storage*
UF *intermediate storage*
UF *storage (wastes)*
BT1 storage
*BT1 waste management
NT1 radioactive waste storage
NT2 monitored retrievable storage
RT underground storage
RT waste disposal

WASTE TRANSPORTATION

*BT1 waste management
RT away-from-reactor storage
RT routing
RT transport

waste treatment

Use waste processing

WASTE WATER

INIS: Dec 1982; ETDE: Jan 1975
UF+ *oil shale waste water*
*BT1 liquid wastes
*BT1 water
NT1 shale tar water
RT acid mine drainage
RT bioreactors
RT drainage
RT reinjection
RT steam stripping
RT water pollution
RT water treatment

wasteforms

Use waste forms

WASTES

NT1 aerosol wastes
NT2 fly ash
NT1 biological wastes
NT2 feces
NT2 manures
NT2 sewage sludge
NT2 sweat
NT2 urine
NT1 gaseous wastes
NT2 exhaust gases
NT2 flue gas
NT1 industrial wastes
NT2 spent liquors
NT1 liquid wastes
NT2 spent liquors
NT2 waste water
NT3 shale tar water
NT1 municipal wastes
NT1 nonradioactive wastes
NT2 chemical wastes
NT3 chemical effluents
NT1 organic wastes
NT2 agricultural wastes
NT3 bagasse
NT3 manures
NT2 compost
NT2 stillage
NT2 wood wastes
NT1 radioactive wastes
NT2 alpha-bearing wastes
NT2 calcined wastes
NT2 high-level radioactive wastes
NT2 intermediate-level radioactive wastes
NT2 low-level radioactive wastes
NT2 radioactive effluents
NT2 waste forms
NT1 sewage
NT2 sewage sludge
NT1 solid wastes
NT2 mineral wastes
NT3 culm
NT2 scrap
NT3 scrap metals
NT2 spoil banks
NT2 tailings
NT3 mill tailings
NT3 oil sand tailings

NT2 waste pellets
NT2 wood wastes
NT1 waste heat
RT by-products
RT hazardous materials
RT pollution
RT pyrolysis products
RT recycling
RT residues
RT sludges
RT storage facilities
RT us superfund
RT waste disposal

WATER

UF *hydrogen hydroxides*
UF *oxygen hydrides*
UF *water coolant*
UF *water moderator*
BT1 hydrogen compounds
BT1 oxygen compounds
NT1 drinking water
NT1 feedwater
NT1 fresh water
NT1 ground water
NT2 interstitial water
NT2 magmatic water
NT1 heavy water
NT1 hot water
NT1 rain water
NT2 throughfall
NT1 seawater
NT1 tritium oxides
NT1 waste water
NT2 shale tar water
RT anhydrides
RT aqueous solutions
RT balneology
RT clouds
RT coolants
RT cooling
RT demineralizers
RT electromagnetic filters
RT environmental materials
RT glaciers
RT hydrates
RT hydronium radicals
RT hydrophylic polymers
RT hydrosphere
RT ice
RT interception
RT liming
RT liquid wastes
RT moderators
RT moisture
RT recombiners
RT slush
RT steam
RT surface waters
RT total flow systems
RT washout
RT water chemistry
RT water influx
RT water requirements
RT water resources
RT water rights

WATER BRAKES

INIS: Apr 2000; ETDE: Apr 1979
(Devices for conversion of mechanical energy into heat energy by use of rotating or reciprocating blades in contained water system and prevention of gust overspeed in fixed-pitch wind turbines.)
*BT1 brakes
RT energy conversion
RT wind turbines

WATER CHEMISTRY

INIS: Sep 1975; ETDE: Feb 1975
UF *chemistry (water)*
UF *cooling water chemical treatment*
BT1 chemistry
NT1 acid neutralizing capacity
RT chemical analysis
RT chemical composition
RT coolants
RT corrosion denting
RT demineralization
RT dissolved gases
RT feedwater
RT reactor cooling systems
RT water
RT water cooled reactors

water content

See humidity
OR moisture

water coolant

Use water

water cooled graphite moderated reactors

Use lwgr type reactors

WATER COOLED REACTORS

UF *light water cooled reactors*
UF *lwr type reactors*
BT1 reactors
NT1 aarr reactor
NT1 acpr reactor
NT1 anna reactor
NT1 aqueous homogeneous reactors
NT2 ai-l-77 reactor
NT2 ber-2 reactor
NT2 byu l-77 reactor
NT2 cesnef reactor
NT2 dr-1 reactor
NT2 frf reactor
NT2 hre-2 reactor
NT2 jrr-1 reactor
NT2 kewb reactor
NT2 kstr reactor
NT2 ncscr-1 reactor
NT2 nevada university reactor
NT2 prnc-l-77 reactor
NT2 supo reactor
NT2 wrrr reactor
NT1 argonaut type reactors
NT2 aeg-pr-10 reactor
NT2 arbi reactor
NT2 argonaut reactor
NT2 argos reactor
NT2 athene reactor
NT2 jason reactor
NT2 lfr reactor
NT2 moata reactor
NT2 nestor reactor
NT2 queen mary college utr-b reactor
NT2 ra-1 reactor
NT2 rb-2 reactor
NT2 rien-1 reactor
NT2 srrc-utr-100 reactor
NT2 stark reactor
NT2 strasbourg-cronenbourg reactor
NT2 uftr reactor
NT2 ulysse reactor
NT2 urr reactor
NT2 utr-10-kinki reactor
NT2 vpi-utr-10 reactor
NT1 astr reactor
NT1 atr reactor
NT1 atsr reactor
NT1 borax-1 reactor
NT1 borax-2 reactor
NT1 borax-3 reactor
NT1 borax-4 reactor
NT1 borax-5 reactor
NT1 br-02 reactor
NT1 br-2 reactor
NT1 br-3-vn reactor
NT1 bwr type reactors
NT2 allens creek-1 reactor
NT2 allens creek-2 reactor
NT2 bailly-1 reactor
NT2 barsebaeck-1 reactor
NT2 barsebaeck-2 reactor
NT2 barton-1 reactor
NT2 barton-2 reactor
NT2 barton-3 reactor
NT2 barton-4 reactor
NT2 bell reactor
NT2 big rock point reactor
NT2 black fox-1 reactor
NT2 black fox-2 reactor
NT2 bolsa chica-1 reactor
NT2 bolsa chica-2 reactor
NT2 bonus reactor
NT2 browns ferry-1 reactor
NT2 browns ferry-2 reactor
NT2 browns ferry-3 reactor
NT2 brunsbuettel reactor
NT2 brunswick-1 reactor
NT2 brunswick-2 reactor
NT2 chinshan-1 reactor
NT2 chinshan-2 reactor
NT2 clinton-1 reactor
NT2 clinton-2 reactor
NT2 cofrentes reactor
NT2 cooper reactor
NT2 dodewaard reactor
NT2 douglas point-1 reactor
NT2 douglas point-2 reactor
NT2 dresden-1 reactor
NT2 dresden-2 reactor
NT2 dresden-3 reactor
NT2 duane arnold-1 reactor
NT2 ebwr reactor
NT2 enel-4 reactor
NT2 enrico fermi-2 reactor
NT2 err reactor
NT2 fitzpatrick reactor
NT2 forsmark-1 reactor
NT2 forsmark-2 reactor
NT2 forsmark-3 reactor
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NT2 graben-2 reactor
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NT2 grand gulf-2 reactor
NT2 gundremmingen-2 reactor
NT2 gundremmingen-3 reactor
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NT2 hartsville-1 reactor
NT2 hartsville-2 reactor
NT2 hartsville-3 reactor
NT2 hartsville-4 reactor
NT2 hatch-1 reactor
NT2 hatch-2 reactor

NT2 hdr reactor
NT2 hope creek-1 reactor
NT3 newbold island-1 reactor
NT2 hope creek-2 reactor
NT3 newbold island-2 reactor
NT2 humboldt bay reactor
NT2 isar reactor
NT2 jpdr reactor
NT2 jpdr-2 reactor
NT2 kaiseraugst reactor
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NT2 kashiwazaki-kariwa-2 reactor
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NT2 kashiwazaki-kariwa-4 reactor
NT2 kashiwazaki-kariwa-5 reactor
NT2 kashiwazaki-kariwa-6 reactor
NT2 kashiwazaki-kariwa-7 reactor
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NT2 kuosheng-2 reactor
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NT2 la salle county-2 reactor
NT2 lacbwr reactor
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NT2 laguna verde-2 reactor
NT2 leibstadt reactor
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NT2 limerick-2 reactor
NT2 lingen reactor
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NT2 mendocino-2 reactor
NT2 millstone-1 reactor
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NT2 montague-2 reactor
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NT2 montalto di castro-2 reactor
NT2 monticello reactor
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NT2 nine mile point-2 reactor
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NT2 okg-2 reactor
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NT2 olkiluoto-2 reactor
NT2 onagawa-1 reactor
NT2 onagawa-2 reactor
NT2 onagawa-3 reactor
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NT2 peach bottom-3 reactor
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NT2 perry-2 reactor
NT2 philippsburg-1 reactor
NT2 phipps bend-1 reactor
NT2 phipps bend-2 reactor
NT2 pilgrim-1 reactor
NT2 quad cities-1 reactor
NT2 quad cities-2 reactor
NT2 ringhals-1 reactor
NT2 river bend-1 reactor
NT2 river bend-2 reactor
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NT2 shika-1 reactor
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NT2 shimane-2 reactor
NT2 shoreham reactor
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NT2 tokai-2 reactor
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NT2 vk-50 reactor
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NT3 hanford-2 reactor
NT2 wuergassen reactor
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NT1 hfr reactor
NT1 hwlwr type reactors
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NT2 jatr reactor
NT1 igr reactor
NT1 iowa utr-10 reactor
NT1 janus reactor
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NT1 kamini reactor
NT1 kuhfr reactor
NT1 litr reactor
NT1 lwbr type reactors
NT1 lwgr type reactors
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NT2 beloyarsk-2 reactor
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NT1 murr reactor
NT1 netr reactor
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NT1 orr reactor
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NT1 owr reactor
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NT1 perryman-2 reactor
NT1 pool type reactors
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NT2 apsara reactor
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NT2 bawtr reactor
NT2 ber-2 reactor
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NT2 bsr-2 reactor
NT2 cabri reactor
NT2 consort-2 reactor
NT2 cp-6 reactor
NT2 crocus reactor
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NT2 dr-2 reactor
NT2 etrc reactor
NT2 etrr-2 reactor
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NT2 iear-1 reactor
NT2 irl reactor
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NT2 irt-2000 moscow reactor
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NT2 jen-2 reactor
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NT2 lo aguirre rech-2 reactor
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NT2 ltir reactor
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NT2 pulstar-raleigh reactor
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NT2 ra-6 reactor

NT2 ra-8 reactor
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NT3 slowpoke-montreal reactor
NT3 slowpoke-ottawa reactor
NT3 slowpoke-toronto reactor
NT3 slowpoke-wnre reactor
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NT2 swierk r-2 reactor
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NT2 toshiba reactor
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NT2 tr-2 reactor
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NT2 cruas-3 reactor
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NT2 dampierre-4 reactor
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NT2 daya bay-2 reactor
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NT2 erie-2 reactor
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NT2 farley-2 reactor
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NT2 golfech-2 reactor
NT2 grafenrheinfeld reactor
NT2 gravelines-b1 reactor
NT2 gravelines-c6 reactor
NT2 greene county reactor
NT2 greenwood-2 reactor
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NT2 grohnde reactor
NT2 hamm-uentrop reactor
NT2 harris-1 reactor
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NT2 isar-2 reactor
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NT2 leonid brezhnev reactor
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NT2 lucie-2 reactor
NT2 maanshan-1 reactor
NT2 maine yankee reactor
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NT2 marble hill-2 reactor
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NT2 mc guire-2 reactor
NT2 mh-1a reactor
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NT2 mihama-3 reactor
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NT2 millstone-3 reactor
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NT2 neckar-2 reactor
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NT2 neupotz-1 reactor
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NT2 nogent sur seine-2 reactor
NT2 north anna-1 reactor
NT2 north anna-2 reactor
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NT2 north coast-1 reactor
NT2 obrigheim reactor
NT2 oconee-1 reactor
NT2 oconee-2 reactor
NT2 oconee-3 reactor
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NT2 oi-2 reactor
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NT2 oi-4 reactor
NT2 oktemberyan-2 reactor
NT2 otto hahn reactor
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NT2 palo verde-1 reactor
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NT2 pilgrim-3 reactor
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NT2 prairie island-2 reactor
NT2 qinshan-1 reactor
NT2 qinshan-2-1 reactor
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NT2 quanicassee-2 reactor
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NT2 remerschen reactor
NT2 rheinsberg akw1 reactor
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NT2 rowe yankee reactor
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NT2 saint laurent-b1 reactor
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NT2 salem-2 reactor
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NT2 seabrook-2 reactor
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NT2 sendai-2 reactor
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NT2 sequoyah-2 reactor
NT2 shippingport reactor
NT2 sizewell-b reactor
NT2 sm-1 reactor
NT2 sm-1a reactor
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NT2 south texas project-2 reactor
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NT2 sterling-2 reactor
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NT2 takahama-3 reactor
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NT2 turkey point-4 reactor
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NT2 tva-2 reactor
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NT2 tyrone-2 reactor
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NT2 wup-3 reactor
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NT2 wup-5 reactor
NT2 wup-6 reactor
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NT3 balakovo-2 reactor
NT3 balakovo-3 reactor
NT3 balakovo-4 reactor
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NT3 bohunice v-2 reactor
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NT3 dukovany-2 reactor
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NT3 kalinin-3 reactor
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NT3 stendal-1 reactor
NT3 tatarian reactor
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NT1 sm-2 reactor
NT1 spert-2 reactor
NT1 spert-3 reactor
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NT1 sr-3p reactor
NT1 sr-oa reactor
NT1 tca reactor
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NT2 cornell triga-mk-2 reactor
NT2 dow triga-mk-1 reactor
NT2 fir-1 reactor
NT2 frf-2 reactor
NT2 frn reactor
NT2 gulf triga-mk-3 reactor
NT2 kartini-ppny reactor
NT2 lopra reactor
NT2 nscr reactor
NT2 ostr reactor
NT2 prpr reactor
NT2 pstr reactor
NT2 rtp reactor
NT2 trico reactor
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NT2 triga-1-california reactor
NT2 triga-1-hanford reactor
NT2 triga-1-hanover reactor
NT2 triga-1-heidelberg reactor
NT2 triga-1-michigan reactor
NT2 triga-2 reactor
NT2 triga-2-bandung reactor
NT2 triga-2-bangladesh reactor
NT2 triga-2-dalat reactor
NT2 triga-2-illinois reactor
NT2 triga-2-kansas reactor
NT2 triga-2-ljubljana reactor

NT2 triga-2-mainz reactor
NT2 triga-2-musashi reactor
NT2 triga-2-pavia reactor
NT2 triga-2-pitesti reactor
NT2 triga-2-rikkyo reactor
NT2 triga-2-rome reactor
NT2 triga-2-seoul reactor
NT2 triga-2-vienna reactor
NT2 triga-3-la jolla reactor
NT2 triga-3-munich reactor
NT2 triga-3-salazar reactor
NT2 triga-3-seoul reactor
NT2 triga-brazil reactor
NT2 triga-texas reactor
NT2 triga-veterans reactor
NT2 ucbrr reactor
NT2 uwnr reactor
NT2 wsur reactor
NT1 tsr-2 reactor
NT1 venus reactor
NT1 voronezh ast-500 reactor
NT1 wntr reactor
NT1 wtr reactor
NT1 wwr type reactors
NT2 budapest training reactor
NT2 irt-baghdad reactor
NT2 lvr-15 reactor
NT2 wwr-2 reactor
NT2 wwr-k-almaty reactor
NT2 wwr-m-kiev reactor
NT2 wwr-m-leningrad reactor
NT2 wwr-s-bucharest reactor
NT2 wwr-s-budapest reactor
NT2 wwr-s-cairo reactor
NT2 wwr-s-moscow reactor
NT2 wwr-s-prague reactor
NT2 wwr-s-tashkent reactor
NT2 wwr-sm rossendorf reactor
NT2 wwr-z reactor
NT1 zlfr reactor
NT1 zr-6 reactor
RT water chemistry

WATER CURRENT POWER GENERATORS

INIS: Oct 1992; ETDE: Jun 1976
*BT1 electric generators
RT hydroelectric power
RT tidal power

WATER CURRENTS

INIS: Nov 1981; ETDE: Apr 1977
(Net transport of water along a definable path.)
UF *currents (water)*
UF *ocean currents*
BT1 currents
NT1 gulf stream
RT advection
RT downwelling
RT lakes
RT oceanic circulation
RT rivers
RT seas
RT streams
RT surface waters
RT tide
RT upwelling
RT water waves

water demand

Use water requirements

water distribution

Use water supply

WATER FAUCETS

INIS: Apr 2000; ETDE: Jun 1977
UF *faucets (water)*
*BT1 valves
RT pipe fittings
RT plumbing

WATER GAS

INIS: Apr 2000; ETDE: Jan 1975
(Approximately 300 btu per cubic foot.)
*BT1 intermediate btu gas
RT carburetted water gas

WATER GAS PROCESSES

INIS: Apr 2000; ETDE: Jan 1975
(Processes in which water gas with steam in excess is passed over catalysts.)
BT1 chemical reactions
RT hydrogen production

WATER HAMMER

RT hydraulics
RT impact shock
RT shock waves

WATER HEATERS

INIS: Apr 1992; ETDE: Feb 1975
UF *hot water heaters*
*BT1 appliances
BT1 heaters
NT1 solar water heaters
NT2 passive solar water heaters
NT3 thermic diode solar panels
RT annual cycle energy system
RT gas appliances
RT water heating

WATER HEATING

INIS: Feb 1983; ETDE: Jun 1981
BT1 heating
NT1 geothermal water heating
NT1 solar water heating
RT hot water
RT water heaters

WATER HYACINTHS

INIS: Dec 1991; ETDE: Nov 1977
BT1 aquatic organisms
*BT1 liliopsida

water infiltration

Use water influx

WATER INFLUX

INIS: Oct 1985; ETDE: Oct 1978
(Entrance of water or aqueous solutions into geologic formations, underground spaces, etc.)
UF *infiltration (rock)*
UF *infiltration (water)*
UF *influx (water)*
UF *intrusion (water)*
UF *water infiltration*
UF *water intrusion*
SF *intrusion*
RT aquifers
RT cavities
RT coal seams
RT geologic structures
RT ground water
RT hydrology
RT mine draining
RT mines
RT natural gas wells
RT oil wells
RT reservoir rock
RT water

water intrusion

Use water influx

water moderated organic cooled reactors

Use lwor type reactors

WATER MODERATED REACTORS

UF *light water moderated reactors*
BT1 reactors
NT1 aarr reactor
NT1 acpr reactor
NT1 anna reactor
NT1 aqueous homogeneous reactors
NT2 ai-l-77 reactor
NT2 ber-2 reactor
NT2 byu l-77 reactor
NT2 cesnef reactor
NT2 dr-1 reactor
NT2 frf reactor
NT2 hre-2 reactor
NT2 jrr-1 reactor
NT2 kewb reactor
NT2 kstr reactor
NT2 ncscr-1 reactor
NT2 nevada university reactor
NT2 prnc-l-77 reactor
NT2 supo reactor
NT2 wrrr reactor
NT1 argonaut type reactors
NT2 aeg-pr-10 reactor
NT2 arbi reactor
NT2 argonaut reactor
NT2 argos reactor
NT2 athene reactor
NT2 jason reactor
NT2 lfr reactor
NT2 moata reactor
NT2 nestor reactor
NT2 queen mary college utr-b reactor
NT2 ra-1 reactor
NT2 rb-2 reactor
NT2 rien-1 reactor
NT2 srrc-utr-100 reactor
NT2 stark reactor
NT2 strasbourg-cronenbourg reactor
NT2 uftr reactor
NT2 ulysse reactor
NT2 urr reactor
NT2 utr-10-kinki reactor
NT2 vpi-utr-10 reactor
NT1 astr reactor
NT1 atr reactor
NT1 atsr reactor
NT1 borax-1 reactor
NT1 borax-2 reactor
NT1 borax-3 reactor
NT1 borax-4 reactor
NT1 borax-5 reactor
NT1 br-02 reactor
NT1 br-2 reactor
NT1 br-3-vn reactor
NT1 bwr type reactors
NT2 allens creek-1 reactor
NT2 allens creek-2 reactor
NT2 bailly-1 reactor
NT2 barsebaeck-1 reactor
NT2 barsebaeck-2 reactor
NT2 barton-1 reactor
NT2 barton-2 reactor
NT2 barton-3 reactor
NT2 barton-4 reactor
NT2 bell reactor
NT2 big rock point reactor
NT2 black fox-1 reactor
NT2 black fox-2 reactor
NT2 bolsa chica-1 reactor
NT2 bolsa chica-2 reactor
NT2 bonus reactor
NT2 browns ferry-1 reactor
NT2 browns ferry-2 reactor
NT2 browns ferry-3 reactor
NT2 brunsbuettel reactor
NT2 brunswick-1 reactor
NT2 brunswick-2 reactor
NT2 chinshan-1 reactor

NT2 chinshan-2 reactor
NT2 clinton-1 reactor
NT2 clinton-2 reactor
NT2 cofrentes reactor
NT2 cooper reactor
NT2 dodewaard reactor
NT2 douglas point-1 reactor
NT2 douglas point-2 reactor
NT2 dresden-1 reactor
NT2 dresden-2 reactor
NT2 dresden-3 reactor
NT2 duane arnold-1 reactor
NT2 ebwr reactor
NT2 enel-4 reactor
NT2 enrico fermi-2 reactor
NT2 err reactor
NT2 fitzpatrick reactor
NT2 forsmark-1 reactor
NT2 forsmark-2 reactor
NT2 forsmark-3 reactor
NT2 fukushima-1 reactor
NT2 fukushima-2 reactor
NT2 fukushima-3 reactor
NT2 fukushima-4 reactor
NT2 fukushima-5 reactor
NT2 fukushima-6 reactor
NT2 fukushima-ii-1 reactor
NT2 fukushima-ii-2 reactor
NT2 fukushima-ii-3 reactor
NT2 fukushima-ii-4 reactor
NT2 garigliano reactor
NT2 garona reactor
NT2 ge standard reactor
NT2 graben-1 reactor
NT2 graben-2 reactor
NT2 grand gulf-1 reactor
NT2 grand gulf-2 reactor
NT2 gundremmingen-2 reactor
NT2 gundremmingen-3 reactor
NT2 hamaoka-1 reactor
NT2 hamaoka-2 reactor
NT2 hamaoka-3 reactor
NT2 hamaoka-4 reactor
NT2 hamaoka-5 reactor
NT2 hartsville-1 reactor
NT2 hartsville-2 reactor
NT2 hartsville-3 reactor
NT2 hartsville-4 reactor
NT2 hatch-1 reactor
NT2 hatch-2 reactor
NT2 hdr reactor
NT2 hope creek-1 reactor
NT3 newbold island-1 reactor
NT2 hope creek-2 reactor
NT3 newbold island-2 reactor
NT2 humboldt bay reactor
NT2 isar reactor
NT2 jpdr reactor
NT2 jpdr-2 reactor
NT2 kaiseraugst reactor
NT2 kashiwazaki-kariwa-1 reactor
NT2 kashiwazaki-kariwa-2 reactor
NT2 kashiwazaki-kariwa-3 reactor
NT2 kashiwazaki-kariwa-4 reactor
NT2 kashiwazaki-kariwa-5 reactor
NT2 kashiwazaki-kariwa-6 reactor
NT2 kashiwazaki-kariwa-7 reactor
NT2 kruemmel reactor
NT2 kuosheng-1 reactor
NT2 kuosheng-2 reactor
NT2 la salle county-1 reactor
NT2 la salle county-2 reactor
NT2 lacbwr reactor
NT2 laguna verde-1 reactor
NT2 laguna verde-2 reactor
NT2 leibstadt reactor
NT2 limerick-1 reactor
NT2 limerick-2 reactor
NT2 lingen reactor
NT2 mendocino-1 reactor
NT2 mendocino-2 reactor
NT2 millstone-1 reactor
NT2 montague-1 reactor
NT2 montague-2 reactor
NT2 montalto di castro-1 reactor
NT2 montalto di castro-2 reactor
NT2 monticello reactor
NT2 muehleberg reactor
NT2 nine mile point-1 reactor
NT2 nine mile point-2 reactor
NT2 okg-1 reactor
NT2 okg-2 reactor
NT2 olkiluoto-1 reactor
NT2 olkiluoto-2 reactor
NT2 onagawa-1 reactor
NT2 onagawa-2 reactor
NT2 onagawa-3 reactor
NT2 oyster creek-1 reactor
NT2 pathfinder reactor
NT2 peach bottom-2 reactor
NT2 peach bottom-3 reactor
NT2 perry-1 reactor
NT2 perry-2 reactor
NT2 philippsburg-1 reactor
NT2 phipps bend-1 reactor
NT2 phipps bend-2 reactor
NT2 pilgrim-1 reactor
NT2 quad cities-1 reactor
NT2 quad cities-2 reactor
NT2 ringhals-1 reactor
NT2 river bend-1 reactor
NT2 river bend-2 reactor
NT2 rwe-bayernwerk reactor
NT2 shika-1 reactor
NT2 shimane-1 reactor
NT2 shimane-2 reactor
NT2 shoreham reactor
NT2 skagit-1 reactor
NT2 skagit-2 reactor
NT2 sl-1 reactor
NT2 susquehanna-1 reactor
NT2 susquehanna-2 reactor
NT2 tarapur-1 reactor
NT2 tarapur-2 reactor
NT2 tokai-2 reactor
NT2 tsuruga reactor
NT2 tullnerfeld reactor
NT2 vak reactor
NT2 vbwr reactor
NT2 vermont yankee reactor
NT2 verplanck-1 reactor
NT2 verplanck-2 reactor
NT2 vk-50 reactor
NT2 wnp-2 reactor
NT3 hanford-2 reactor
NT2 wuergassen reactor
NT2 zimmer-1 reactor
NT2 zimmer-2 reactor
NT1 esada-vesr reactor
NT1 etr reactor
NT1 evsr reactor
NT1 ewa reactor
NT1 ewg-1 reactor
NT1 gcre reactor
NT1 getr reactor
NT1 gharr-1 reactor
NT1 hclwr type reactors
NT1 hfetr reactor
NT1 hfir reactor
NT1 hfr reactor
NT1 igr reactor
NT1 janus reactor
NT1 jmtr reactor
NT1 juno reactor
NT1 kamini reactor
NT1 kuca reactor
NT1 kuhfr reactor
NT1 litr reactor
NT1 lwbr type reactors
NT1 lwor type reactors
NT1 maple reactor
NT1 maple type reactors
NT1 mir reactor
NT1 ml-1 reactor
NT1 mrr reactor
NT1 mtr reactor
NT1 murr reactor
NT1 netr reactor
NT1 nhr-5 reactor
NT1 nsrr reactor
NT1 ntr reactor
NT1 nuclear furnace reactor
NT1 orr reactor
NT1 osiris reactor
NT1 owr reactor
NT1 pbr reactor
NT1 pegase reactor
NT1 peggy reactor
NT1 perryman-1 reactor
NT1 perryman-2 reactor
NT1 pool type reactors
NT2 agata reactor
NT2 apsara reactor
NT2 armf-1 reactor
NT2 astra reactor
NT2 atrc reactor
NT2 avogadro rs-1 reactor
NT2 barn reactor
NT2 bawtr reactor
NT2 ber-2 reactor
NT2 brr reactor
NT2 bsr-1 reactor
NT2 bsr-2 reactor
NT2 cabri reactor
NT2 consort-2 reactor
NT2 cp-6 reactor
NT2 crocus reactor
NT2 democritus reactor
NT2 dr-2 reactor
NT2 etrc reactor
NT2 etrr-2 reactor
NT2 fmrb reactor
NT2 fnr reactor
NT2 frg-1 reactor
NT2 frg-2 reactor
NT2 frj-1 reactor
NT2 frm reactor
NT2 frn reactor
NT2 ga siwabessy reactor
NT2 gtr reactor
NT2 gulf triga-mk-3 reactor
NT2 hanaro reactor
NT2 herald reactor
NT2 hor reactor
NT2 horace reactor
NT2 htr reactor
NT2 ian-r1 reactor
NT2 iear-1 reactor
NT2 irl reactor
NT2 irr-1 reactor
NT2 irt reactor
NT2 irt-2000 djakarta reactor
NT2 irt-2000 moscow reactor
NT2 irt-c reactor
NT2 irt-f reactor
NT2 irt-sofia reactor
NT2 isis reactor
NT2 ivv-7 reactor
NT2 jen reactor
NT2 jen-1 reactor
NT2 jen-2 reactor
NT2 jrr-3m reactor
NT2 jrr-4 reactor
NT2 kur reactor
NT2 la reina rech-1 reactor
NT2 lido reactor
NT2 lo aguirre rech-2 reactor

NT2 lpr reactor
NT2 lptr reactor
NT2 lr-0 reactor
NT2 ltir reactor
NT2 maria reactor
NT2 maryla reactor
NT2 melusine-1 reactor
NT2 merlin reactor
NT2 minerve reactor
NT2 mnr reactor
NT2 nscr reactor
NT2 osur reactor
NT2 parr reactor
NT2 phebus reactor
NT2 pik physical model reactor
NT2 pik reactor
NT2 prpr reactor
NT2 prr-1 reactor
NT2 pstr reactor
NT2 ptr reactor
NT2 pulstar-buffalo reactor
NT2 pulstar-raleigh reactor
NT2 r2-0 reactor
NT2 ra-6 reactor
NT2 ra-8 reactor
NT2 rana reactor
NT2 rinsc reactor
NT2 ritmo reactor
NT2 rp-10 reactor
NT2 rts-1 reactor
NT2 rv-1 reactor
NT2 saphir reactor
NT2 scarabee reactor
NT2 siloe reactor
NT2 siloette reactor
NT2 slowpoke type reactors
NT3 slowpoke-alberta reactor
NT3 slowpoke-dalhousie reactor
NT3 slowpoke-montreal reactor
NT3 slowpoke-ottawa reactor
NT3 slowpoke-toronto reactor
NT3 slowpoke-wnre reactor
NT2 spert-4 reactor
NT2 stek reactor
NT2 stir reactor
NT2 swierk r-2 reactor
NT2 thetis reactor
NT2 thor reactor
NT2 toshiba reactor
NT2 tr-1 reactor
NT2 tr-2 reactor
NT2 triton reactor
NT2 trr-1 reactor
NT2 tz1 reactor
NT2 tz2 reactor
NT2 uknr reactor
NT2 umne-1 reactor
NT2 umrr reactor
NT2 utrr reactor
NT2 uvar reactor
NT2 uwnr reactor
NT2 vr-1 reactor
NT2 wpir reactor
NT2 wsur reactor
NT2 xapr reactor
NT1 purnima-3 reactor
NT1 pwr type reactors
NT2 aguirre reactor
NT2 almaraz-1 reactor
NT2 almaraz-2 reactor
NT2 angra-1 reactor
NT2 angra-2 reactor
NT2 angra-3 reactor
NT2 ardennes b-1 reactor
NT2 ardennes reactor
NT2 arkansas-1 reactor
NT2 arkansas-2 reactor
NT2 asco-1 reactor
NT2 asco-2 reactor
NT2 atlantic-1 reactor
NT2 atlantic-2 reactor
NT2 basf-1 reactor
NT2 basf-2 reactor
NT2 beaver valley-1 reactor
NT2 beaver valley-2 reactor
NT2 bellefonte-1 reactor
NT2 bellefonte-2 reactor
NT2 belleville sur loire-1 reactor
NT2 belleville sur loire-2 reactor
NT2 beznau-1 reactor
NT2 beznau-2 reactor
NT2 biblis-1 reactor
NT2 biblis-2 reactor
NT2 biblis-3 reactor
NT2 biblis-4 reactor
NT2 blayais-1 reactor
NT2 blue hills-1 reactor
NT2 blue hills-2 reactor
NT2 borssele reactor
NT2 br-3 reactor
NT2 braidwood-1 reactor
NT2 braidwood-2 reactor
NT2 brokdorf reactor
NT2 bugey-2 reactor
NT2 bugey-3 reactor
NT2 bugey-4 reactor
NT2 bugey-5 reactor
NT2 bw standard reactor
NT2 byron-1 reactor
NT2 byron-2 reactor
NT2 calhoun-1 reactor
NT2 calhoun-2 reactor
NT2 callaway-1 reactor
NT2 callaway-2 reactor
NT2 calvert cliffs-1 reactor
NT2 calvert cliffs-2 reactor
NT2 catawba-1 reactor
NT2 catawba-2 reactor
NT2 cattenom-1 reactor
NT2 cattenom-2 reactor
NT2 cattenom-3 reactor
NT2 cattenom-4 reactor
NT2 ce standard reactor
NT2 cherokee-1 reactor
NT2 cherokee-2 reactor
NT2 cherokee-3 reactor
NT2 chinon-b1 reactor
NT2 comanche peak-1 reactor
NT2 comanche peak-2 reactor
NT2 connecticut yankee reactor
NT2 cook-1 reactor
NT2 cook-2 reactor
NT2 cruas-2 reactor
NT2 cruas-3 reactor
NT2 cruas-4 reactor
NT2 crystal river-3 reactor
NT2 crystal river-4 reactor
NT2 dampierre-1 reactor
NT2 dampierre-2 reactor
NT2 dampierre-3 reactor
NT2 dampierre-4 reactor
NT2 davis besse-1 reactor
NT2 davis besse-2 reactor
NT2 davis besse-3 reactor
NT2 daya bay-1 reactor
NT2 daya bay-2 reactor
NT2 diablo canyon-1 reactor
NT2 diablo canyon-2 reactor
NT2 doel-1 reactor
NT2 doel-2 reactor
NT2 doel-3 reactor
NT2 doel-4 reactor
NT2 efdr-50 reactor
NT2 emsland reactor
NT2 erie-1 reactor
NT2 erie-2 reactor
NT2 farley-1 reactor
NT2 farley-2 reactor
NT2 fessenheim-1 reactor
NT2 flamanville-1 reactor
NT2 flamanville-2 reactor
NT2 forked river-1 reactor
NT2 genkai-1 reactor
NT2 genkai-2 reactor
NT2 genkai-3 reactor
NT2 genkai-4 reactor
NT2 ginna-1 reactor
NT2 goesgen reactor
NT2 golfech-1 reactor
NT2 golfech-2 reactor
NT2 grafenrheinfeld reactor
NT2 gravelines-b1 reactor
NT2 gravelines-c6 reactor
NT2 greene county reactor
NT2 greenwood-2 reactor
NT2 greenwood-3 reactor
NT2 grohnde reactor
NT2 hamm-uentrop reactor
NT2 harris-1 reactor
NT2 harris-2 reactor
NT2 harris-3 reactor
NT2 harris-4 reactor
NT2 haven-1 reactor
NT3 koshkonong-1 reactor
NT2 haven-2 reactor
NT3 koshkonong-2 reactor
NT2 ikata reactor
NT2 ikata-2 reactor
NT2 ikata-3 reactor
NT2 indian point-1 reactor
NT2 indian point-2 reactor
NT2 indian point-3 reactor
NT2 iran-1 reactor
NT2 iran-2 reactor
NT2 isar-2 reactor
NT2 jamesport-1 reactor
NT2 jamesport-2 reactor
NT2 kewaunee reactor
NT2 koeberg-1 reactor
NT2 koeberg-2 reactor
NT2 kori-1 reactor
NT2 kori-2 reactor
NT2 kori-3 reactor
NT2 kori-4 reactor
NT2 krsko reactor
NT2 lemoniz-1 reactor
NT2 lemoniz-2 reactor
NT2 lenin reactor
NT2 leonid brezhnev reactor
NT2 lingao-1 reactor
NT2 lingao-2 reactor
NT2 loft reactor
NT2 lucie-1 reactor
NT2 lucie-2 reactor
NT2 maanshan-1 reactor
NT2 maine yankee reactor
NT2 malibu-1 reactor
NT2 marble hill-1 reactor
NT2 marble hill-2 reactor
NT2 mc guire-1 reactor
NT2 mc guire-2 reactor
NT2 mh-1a reactor
NT2 midland-1 reactor
NT2 midland-2 reactor
NT2 mihama-1 reactor
NT2 mihama-2 reactor
NT2 mihama-3 reactor
NT2 millstone-2 reactor
NT2 millstone-3 reactor
NT2 muelheim-kaerlich reactor
NT2 mutsu reactor
NT2 neckar-1 reactor
NT2 neckar-2 reactor
NT2 nep-1 reactor
NT2 nep-2 reactor
NT2 neupotz-1 reactor
NT2 neupotz-2 reactor

NT2 nogent sur seine-1 reactor
NT2 nogent sur seine-2 reactor
NT2 north anna-1 reactor
NT2 north anna-2 reactor
NT2 north anna-3 reactor
NT2 north anna-4 reactor
NT2 north coast-1 reactor
NT2 obrigheim reactor
NT2 oconee-1 reactor
NT2 oconee-2 reactor
NT2 oconee-3 reactor
NT2 oi-1 reactor
NT2 oi-2 reactor
NT2 oi-3 reactor
NT2 oi-4 reactor
NT2 oktemberyan-2 reactor
NT2 otto hahn reactor
NT2 palisades-1 reactor
NT2 palo verde-1 reactor
NT2 palo verde-2 reactor
NT2 palo verde-3 reactor
NT2 palo verde-4 reactor
NT2 palo verde-5 reactor
NT2 paluel-1 reactor
NT2 paluel-2 reactor
NT2 paluel-3 reactor
NT2 paluel-4 reactor
NT2 pat reactor
NT2 pebble springs-1 reactor
NT2 pebble springs-2 reactor
NT2 penly-1 reactor
NT2 perkins-1 reactor
NT2 perkins-2 reactor
NT2 perkins-3 reactor
NT2 philippsburg-2 reactor
NT2 pilgrim-2 reactor
NT2 pilgrim-3 reactor
NT2 pm-2a reactor
NT2 pm-3a reactor
NT2 pnpp-1 reactor
NT2 point beach-1 reactor
NT2 point beach-2 reactor
NT2 prairie island-1 reactor
NT2 prairie island-2 reactor
NT2 qinshan-1 reactor
NT2 qinshan-2-1 reactor
NT2 qinshan-2-2 reactor
NT2 quanicassee-1 reactor
NT2 quanicassee-2 reactor
NT2 rancho seco-1 reactor
NT2 remerschen reactor
NT2 rheinsberg akw1 reactor
NT2 ringhals-2 reactor
NT2 ringhals-3 reactor
NT2 ringhals-4 reactor
NT2 robinson-2 reactor
NT2 rooppur reactor
NT2 rowe yankee reactor
NT2 s1c prototype reactor
NT2 saint alban-1 reactor
NT2 saint alban-2 reactor
NT2 saint laurent-b1 reactor
NT2 salem-1 reactor
NT2 salem-2 reactor
NT2 san onofre-1 reactor
NT2 san onofre-2 reactor
NT2 san onofre-3 reactor
NT2 savannah reactor
NT2 saxton reactor
NT2 seabrook-1 reactor
NT2 seabrook-2 reactor
NT2 selni reactor
NT2 sendai-1 reactor
NT2 sendai-2 reactor
NT2 sequoyah-1 reactor
NT2 sequoyah-2 reactor
NT2 shippingport reactor
NT2 sizewell-b reactor
NT2 sm-1 reactor
NT2 sm-1a reactor
NT2 south texas project-1 reactor
NT2 south texas project-2 reactor
NT2 stade reactor
NT2 sterling-1 reactor
NT2 sterling-2 reactor
NT2 summer-1 reactor
NT2 sundesert-1 reactor
NT2 sundesert-2 reactor
NT2 surry-1 reactor
NT2 surry-2 reactor
NT2 surry-3 reactor
NT2 surry-4 reactor
NT2 takahama-1 reactor
NT2 takahama-2 reactor
NT2 takahama-3 reactor
NT2 takahama-4 reactor
NT2 three mile island-1 reactor
NT2 three mile island-2 reactor
NT2 tihange reactor
NT2 tihange-2 reactor
NT2 tihange-3 reactor
NT2 tomari-1 reactor
NT2 tomari-2 reactor
NT2 tricastin-1 reactor
NT2 tricastin-4 reactor
NT2 trillo-1 reactor
NT2 trojan reactor
NT2 tsuruga-2 reactor
NT2 turkey point-3 reactor
NT2 turkey point-4 reactor
NT2 tva-1 reactor
NT2 tva-2 reactor
NT2 tyrone-1 reactor
NT2 tyrone-2 reactor
NT2 ulchin-1 reactor
NT2 ulchin-2 reactor
NT2 ulchin-3 reactor
NT2 ulchin-4 reactor
NT2 unterweser reactor
NT2 vahnum-1 reactor
NT2 vahnum-2 reactor
NT2 vandellos-2 reactor
NT2 vogtle-1 reactor
NT2 vogtle-2 reactor
NT2 vogtle-3 reactor
NT2 vogtle-4 reactor
NT2 waterford-3 reactor
NT2 waterford-4 reactor
NT2 watts bar-1 reactor
NT2 watts bar-2 reactor
NT2 westinghouse standard reactor
NT2 wnp-1 reactor
NT2 wnp-3 reactor
NT2 wnp-4 reactor
NT2 wnp-5 reactor
NT2 wolf creek-1 reactor
NT2 wup-3 reactor
NT2 wup-4 reactor
NT2 wup-5 reactor
NT2 wup-6 reactor
NT2 wwer type reactors
NT3 armenian-1 reactor
NT3 armenian-2 reactor
NT3 balakovo-1 reactor
NT3 balakovo-2 reactor
NT3 balakovo-3 reactor
NT3 balakovo-4 reactor
NT3 blahutovice-1 reactor
NT3 bohunice v-1 reactor
NT3 bohunice v-2 reactor
NT3 dukovany-1 reactor
NT3 dukovany-2 reactor
NT3 dukovany-3 reactor
NT3 dukovany-4 reactor
NT3 greifswald-1 reactor
NT3 greifswald-2 reactor
NT3 greifswald-3 reactor
NT3 greifswald-4 reactor
NT3 greifswald-5 reactor
NT3 greifswald-6 reactor
NT3 juragua-1 reactor
NT3 kalinin-1 reactor
NT3 kalinin-3 reactor
NT3 kecerovce-1 reactor
NT3 khmelnitskij-1 reactor
NT3 kola-1 reactor
NT3 kola-2 reactor
NT3 kola-3 reactor
NT3 kola-4 reactor
NT3 kozloduy-1 reactor
NT3 kozloduy-2 reactor
NT3 kozloduy-3 reactor
NT3 kozloduy-4 reactor
NT3 kozloduy-5 reactor
NT3 kozloduy-6 reactor
NT3 loviisa-1 reactor
NT3 loviisa-2 reactor
NT3 mochovce-1 reactor
NT3 mochovce-2 reactor
NT3 novovoronezh-1 reactor
NT3 novovoronezh-2 reactor
NT3 novovoronezh-3 reactor
NT3 novovoronezh-4 reactor
NT3 novovoronezh-5 reactor
NT3 paks-1 reactor
NT3 paks-2 reactor
NT3 paks-3 reactor
NT3 paks-4 reactor
NT3 rovno-1 reactor
NT3 rovno-2 reactor
NT3 rovno-3 reactor
NT3 rovno-4 reactor
NT3 rovno-5 reactor
NT3 south ukrainian-1 reactor
NT3 south ukrainian-2 reactor
NT3 south ukrainian-3 reactor
NT3 stendal-1 reactor
NT3 tatarian reactor
NT3 temelin-1 reactor
NT3 temelin-2 reactor
NT3 tianwan-1 reactor
NT3 zaporozhe-1 reactor
NT3 zaporozhe-2 reactor
NT3 zaporozhe-3 reactor
NT3 zaporozhe-4 reactor
NT3 zaporozhe-5 reactor
NT3 zaporozhe-6 reactor
NT2 wyhl-1 reactor
NT2 wyhl-2 reactor
NT2 yellow creek-1 reactor
NT2 yellow creek-2 reactor
NT2 yonggwang-1 reactor
NT2 yonggwang-2 reactor
NT2 yonggwang-3 reactor
NT2 yonggwang-4 reactor
NT2 zion-1 reactor
NT2 zion-2 reactor
NT2 zorita-1 reactor
NT1 r-2 reactor
NT1 ra-5 reactor
NT1 rake-2 reactor
NT1 rg-1m reactor
NT1 safari-1 reactor
NT1 sm-2 reactor
NT1 spert-1 reactor
NT1 spert-2 reactor
NT1 spert-3 reactor
NT1 sr-1 reactor
NT1 sr-oa reactor
NT1 tca reactor
NT1 triga type reactors
NT2 afrri reactor
NT2 atpr reactor
NT2 colorado triga-mk-3 reactor
NT2 cornell triga-mk-2 reactor
NT2 dow triga-mk-1 reactor
NT2 fir-1 reactor

NT2 frf-2 reactor
NT2 frn reactor
NT2 gulf triga-mk-3 reactor
NT2 kartini-ppny reactor
NT2 lopra reactor
NT2 nscr reactor
NT2 ostr reactor
NT2 prpr reactor
NT2 pstr reactor
NT2 rtp reactor
NT2 trico reactor
NT2 triga-1-arizona reactor
NT2 triga-1-california reactor
NT2 triga-1-hanford reactor
NT2 triga-1-hanover reactor
NT2 triga-1-heidelberg reactor
NT2 triga-1-michigan reactor
NT2 triga-2 reactor
NT2 triga-2-bandung reactor
NT2 triga-2-bangladesh reactor
NT2 triga-2-dalat reactor
NT2 triga-2-illinois reactor
NT2 triga-2-kansas reactor
NT2 triga-2-ljubljana reactor
NT2 triga-2-mainz reactor
NT2 triga-2-musashi reactor
NT2 triga-2-pavia reactor
NT2 triga-2-pitesti reactor
NT2 triga-2-rikkyo reactor
NT2 triga-2-rome reactor
NT2 triga-2-seoul reactor
NT2 triga-2-vienna reactor
NT2 triga-3-la jolla reactor
NT2 triga-3-munich reactor
NT2 triga-3-salazar reactor
NT2 triga-3-seoul reactor
NT2 triga-brazil reactor
NT2 triga-texas reactor
NT2 triga-veterans reactor
NT2 ucbrr reactor
NT2 uwnr reactor
NT2 wsur reactor
NT1 tsr-2 reactor
NT1 twmr reactor
NT1 venus reactor
NT1 voronezh ast-500 reactor
NT1 wntr reactor
NT1 wtr reactor
NT1 wwr type reactors
NT2 budapest training reactor
NT2 irt-baghdad reactor
NT2 lvr-15 reactor
NT2 wwr-2 reactor
NT2 wwr-k-almaty reactor
NT2 wwr-m-kiev reactor
NT2 wwr-m-leningrad reactor
NT2 wwr-s-bucharest reactor
NT2 wwr-s-budapest reactor
NT2 wwr-s-cairo reactor
NT2 wwr-s-moscow reactor
NT2 wwr-s-prague reactor
NT2 wwr-s-tashkent reactor
NT2 wwr-sm rossendorf reactor
NT2 wwr-z reactor
NT1 zlfr reactor

water moderator

Use water

WATER POLICY

INIS: Apr 1992; ETDE: Aug 1981
*BT1 environmental policy
RT water resources

WATER POLLUTION

(For nonradioactive pollution only; for radioactive pollution use CONTAMINATION.)
UF+ *thermal pollution (water)*
BT1 pollution
RT acid mine drainage
RT buoys
RT clean water acts
RT dissolved gases
RT environmental effects
RT environmental exposure
RT eutrophication
RT fouling
RT long-range transport
RT particulates
RT plumes
RT point pollutant sources
RT stationary pollutant sources
RT waste water
RT water pollution abatement
RT water pollution control
RT water pollution monitors
RT water quality
RT water use

WATER POLLUTION ABATEMENT

INIS: Mar 1992; ETDE: Jul 1976
(The prevention of formation of pollutants at the source.)
SF *prevention of significant deterioration*
SF *psd*
BT1 pollution abatement
RT ground cover
RT water pollution
RT water reclamation

WATER POLLUTION CONTROL

INIS: Apr 1986; ETDE: Mar 1977
(The removal or management of pollutants after they are formed by a source.)
*BT1 pollution control
RT oil pollution containment
RT rotating disk removal systems
RT sorbent recovery systems
RT water pollution
RT water treatment plants
RT water use
RT weir oil recovery systems

WATER POLLUTION MONITORS

INIS: Jan 1992; ETDE: Jan 1978
UF *monitors (water pollution)*
*BT1 monitors
RT chemical effluents
RT liquid wastes
RT monitoring
RT water pollution

WATER PUMPS

INIS: Jun 1993; ETDE: Mar 1979
*BT1 pumps
NT1 solar water pumps

WATER QUALITY

INIS: May 1976; ETDE: Oct 1975
BT1 environmental quality
RT clean water acts
RT gas bubble disease
RT water pollution
RT water reclamation
RT water treatment

WATER RECLAMATION

INIS: Mar 1992; ETDE: May 1981
RT aesthetics
RT public health
RT water pollution abatement
RT water quality
RT water resources

WATER REMOVAL

INIS: Apr 1984; ETDE: Nov 1975
(Prior to August 1991, this concept was indexed to DEHYDRATION.)
UF *dewatering*
BT1 removal
RT coal preparation
RT dehydration
RT dewatering equipment

WATER REQUIREMENTS

INIS: Dec 1982; ETDE: Jul 1976
UF *water demand*
BT1 demand
RT drought resistance
RT water
RT water resources
RT water use

WATER RESERVOIRS

UF *reservoirs (water)*
BT1 surface waters
NT1 cooling ponds
RT aquicludes
RT dams
RT energy storage
RT energy storage systems
RT fresh water
RT lakes
RT pumped storage power plants
RT reservoir engineering
RT storage
RT water resources
RT water supply
RT water use

WATER RESOURCES

INIS: Aug 1976; ETDE: Feb 1975
(Until January 1983, this concept was indexed by coordination of WATER and RESERVES; and from then until August 1992by coordination of WATER and RESOURCES.)
BT1 resources
RT ground water
RT surface waters
RT water
RT water policy
RT water reclamation
RT water requirements
RT water reservoirs
RT water rights
RT water supply
RT water use
RT water wells

WATER RIGHTS

INIS: Aug 1992; ETDE: Mar 1976
(Rights to the use of water.)
RT legal aspects
RT property rights
RT water
RT water resources

WATER SATURATION

INIS: Jul 1992; ETDE: Jan 1977
(Degree of filling of reservoir pore structure by reservoir water.)
BT1 saturation
RT gas saturation
RT oil saturation
RT reservoir rock

water solutions

Use aqueous solutions

WATER SOURCE HEAT PUMPS

INIS: Apr 2000; ETDE: Jul 1979
BT1 heat pumps
RT air conditioning
RT space heating

WATER SPRINGS
INIS: Apr 1984; ETDE: Jun 1980
(Places where ground water flows naturally from a rock or the soil onto the land surface or into a body of surface water.)
UF *springs (water)*
NT1 mineral springs
NT1 thermal springs
NT2 hot springs
NT3 geysers
NT2 warm springs
RT ground water
RT hydrology

WATER SUPPLY
INIS: May 1986; ETDE: Sep 1979
(To be used in the sense of a public utility or other engineered system, e.g. an irrigation system, rather than a natural system.)
UF *water distribution*
RT plumbing
RT public utilities
RT reactor cooling systems
RT water reservoirs
RT water resources
RT water utilities
RT water wells

WATER TABLES
INIS: Dec 1987; ETDE: Mar 1980
RT aquifers
RT ground water
RT hydrology

WATER TREATMENT
INIS: Dec 1982; ETDE: Jul 1976
NT1 steam stripping
RT bioreactors
RT deaerators
RT dissolved gases
RT drinking water
RT waste water
RT water quality
RT water treatment plants

WATER TREATMENT PLANTS
INIS: May 1992; ETDE: Aug 1977
RT water pollution control
RT water treatment

WATER USE
INIS: Feb 1984; ETDE: Jul 1983
RT environment
RT external zones
RT irrigation
RT land use
RT regional analysis
RT water pollution
RT water pollution control
RT water requirements
RT water reservoirs
RT water resources

WATER UTILITIES
INIS: Jun 1993; ETDE: Jan 1981
BT1 public utilities
RT water supply

WATER VAPOR
*BT1 vapors
RT fog
RT humidity
RT steam
RT transpiration

WATER WALLS
INIS: Apr 2000; ETDE: Mar 1980
*BT1 passive solar heating systems
BT1 walls
RT sensible heat storage

WATER WAVES
INIS: Sep 1992; ETDE: Aug 1976
BT1 gravity waves
NT1 tsunamis
RT air-water interactions
RT hurricanes
RT internal waves
RT seas
RT storms
RT tide
RT water currents
RT wave energy converters
RT wave forces
RT wave power

WATER WELLS
INIS: May 1976; ETDE: Jan 1981
(Until June 1994 this concept was indexed by WELLS.)
BT1 wells
RT water resources
RT water supply

WATER WHEELS
INIS: Apr 2000; ETDE: Feb 1980
UF *waterwheels*
BT1 wheels
RT hydraulic turbines
RT hydroelectric power plants

waterborne particles
Use particulates

waterborne particulates
Use particulates

WATERFLOODING
INIS: Jul 1992; ETDE: Mar 1976
(Method of pressure maintenance and secondary recovery in which water is injected through input (injection) wells to drive oil to the production wells.)
SF *polymer flooding*
BT1 fluid injection
NT1 caustic flooding
RT petroleum
RT well stimulation

WATERFORD-3 REACTOR
(Taft, Louisiana, USA)
*BT1 pwr type reactors

WATERFORD-4 REACTOR
(Taft, Louisiana, USA)
*BT1 pwr type reactors

WATERPROOFING
INIS: Jan 1977; ETDE: Jan 1977
RT coatings
RT films
RT protective coatings
RT sealing materials
RT seals
RT surface coating
RT surface properties
RT surface treatments
RT wettability

WATERSHEDS
INIS: Oct 1991; ETDE: Apr 1976
(The drainage areas or catchment basins of streams.)
UF *catchment basins*
NT1 colorado river basin
NT1 columbia river basin
NT2 pasco basin
NT1 connecticut river basin
NT1 great lakes basin
NT1 mississippi river basin
NT1 missouri river basin
NT1 monongahela river basin
NT1 north platte river basin
NT1 piceance creek basin
NT1 potomac river basin
NT1 powder river basin
NT1 tennessee valley region
NT1 yellow creek basin
RT complex terrain
RT drainage
RT imperial valley
RT land use
RT rivers
RT runoff
RT streams
RT surface waters
RT valleys

waterwall furnaces
Use waterwall incinerators

WATERWALL INCINERATORS
INIS: Apr 2000; ETDE: Jun 1981
UF *waterwall furnaces*
BT1 incinerators
RT steam generators

waterwheels
Use water wheels

watson method
Use sommerfeld-watson theory

watt distribution
Use watt fission spectrum

watt fission source
Use watt fission spectrum

WATT FISSION SPECTRUM
UF *watt distribution*
UF *watt fission source*
*BT1 neutron spectra
RT fission
RT prompt neutrons
RT thermal fission
RT thermal neutrons

watt-hour meters
Use power meters

WATT POWER RANGE
INIS: Apr 1988; ETDE: Aug 1989
BT1 power range
NT1 power range 01-10 w
NT1 power range 10-100 w
NT1 power range 100-1000 w

wattage
Use power input

WATTS BAR-1 REACTOR
(Spring City, Tennessee, USA)
*BT1 pwr type reactors

WATTS BAR-2 REACTOR
(Spring City, Tennessee, USA)
*BT1 pwr type reactors

WAVE ENERGY CONVERTERS
INIS: Sep 1992; ETDE: Jun 1975
(Devices for converting energy of water waves.)
RT energy conversion
RT seas
RT water waves

WAVE EQUATIONS
INIS: Oct 1982; ETDE: Sep 1976
*BT1 partial differential equations
NT1 dirac equation
NT1 klein-gordon equation
NT1 schroedinger equation

RT rarita-schwinger theory

WAVE FORCES
INIS: Apr 2000; ETDE: Mar 1977
(Forces exerted on mechanical structures by waves.)
RT storms
RT water waves
RT wave power

WAVE FORMS
UF *waveforms*
RT electromagnetic radiation
RT polarization
RT wave propagation

WAVE FUNCTIONS
BT1 functions
RT brillouin theorem
RT eigenfunctions
RT fractional-parentage coefficients
RT hidden variables
RT hybridization
RT muffin-tin potential
RT projection operators
RT quantum wells
RT schroedinger equation
RT slater method
RT sudden approximation

WAVE PACKETS
RT wave propagation

WAVE POWER
INIS: Dec 1982; ETDE: Jun 1975
BT1 power
*BT1 renewable energy sources
RT water waves
RT wave forces

WAVE PROPAGATION
(Prior to August 1996 STAPP THEORY was a valid ETDE descriptor.)
UF *propagation (wave)*
SF *stapp theory*
SF *stapp-ypsilantis-metropolis theory*
RT amplitudes
RT bifurcation
RT fermat principle
RT huygens principle
RT interference
RT internal waves
RT mode control
RT mode conversion
RT phase velocity
RT plasma surface waves
RT polarization
RT refraction
RT refractive index
RT standing waves
RT travelling waves
RT wave forms
RT wave packets
RT wavelengths
RT zero sound

waveforms
Use wave forms

WAVEGUIDES
NT1 helical waveguides
RT cyclic accelerators
RT electrical equipment
RT gratings
RT microwave equipment
RT standing waves
RT travelling waves

wavelength dependence
Use frequency dependence

WAVELENGTHS
INIS: Feb 1976; ETDE: Sep 1975
(Prior to July 1986 FREQUENCY RANGE was used for this concept. If the frequency of the wave is known, see the descriptor for the specific frequency range listed under FREQUENCY RANGE.)
NT1 de broglie wavelength
RT frequency range
RT infrared radiation
RT standing waves
RT wave propagation

waves (shock)
Use shock waves

waves (standing)
Use standing waves

waves (travelling)
Use travelling waves

waw
Use wackersdorf reprocessing plant

WAXES
UF *montan waxes*
UF+ *santowax*
*BT1 other organic compounds
NT1 carbowax
NT1 paraffin
RT dewaxing

way of life
See behavior
OR standard of living

way-wigner formula
See beta decay

waz 16
Use nickel base alloys

weak boson
See intermediate vector bosons

WEAK CHARGED CURRENTS
INIS: Aug 1976; ETDE: Nov 1976
*BT1 charged currents
RT weak neutral currents

WEAK-COUPLING MODEL
*BT1 nuclear models
RT coupling
RT particle-hole model
RT shell models
RT strong-coupling model

WEAK HADRONIC DECAY
INIS: Feb 1978; ETDE: May 1978
(Decay of hadrons due to weak interactions.)
UF *non-leptonic decay*
UF *nonleptonic decay*
*BT1 weak particle decay
RT semileptonic decay
RT weak interactions

WEAK INTERACTIONS
(Prior to March 1997 FEINBERG-PAIS THEORY was a valid ETDEdescriptor.)
SF *feinberg-pais theory*
SF *peratization procedure*
*BT1 basic interactions
NT1 fermi interactions
NT1 leptonic decay
RT cabibbo angle
RT charged currents
RT electron-quark interactions
RT goldberger-treiman relation
RT grand unified theory
RT lepton-hadron interactions
RT lepton-lepton interactions
RT neutral currents
RT neutrino oscillation
RT photon-lepton interactions
RT second-class currents
RT standard model
RT weak hadronic decay
RT weak neutral currents
RT weak particle decay
RT weinberg angle

WEAK NEUTRAL CURRENTS
*BT1 neutral currents
RT weak charged currents
RT weak interactions
RT weyl unified theory

WEAK PARTICLE DECAY
INIS: Feb 1978; ETDE: May 1978
*BT1 particle decay
NT1 leptonic decay
NT1 semileptonic decay
NT1 weak hadronic decay
RT radiative decay
RT weak interactions

WEAKLY IONIZED GASES
(Ionization factor under 10(-4).)
*BT1 ionized gases

WEAPONS
INIS: Apr 2000; ETDE: Dec 1975
NT1 biological warfare agents
NT1 bombs
NT1 chemical warfare agents
NT1 directed-energy weapons
NT2 laser weapons
NT1 nuclear weapons
NT2 enhanced radiation weapons
NT2 little boy
RT ammunition
RT arms control
RT penetrators

WEAR
RT abrasion
RT bearings
RT erosion
RT friction
RT gears
RT grinding
RT mechanical tests
RT rolling friction
RT tribology
RT wear resistance

WEAR RESISTANCE
BT1 mechanical properties
RT gears
RT wear

WEATHER
RT atmospheric precipitations
RT climates
RT clouds
RT droughts
RT forecasting
RT frost
RT hail
RT hurricanes
RT meteorology
RT natural disasters
RT seasons
RT storms
RT tornadoes
RT wind

WEATHERING
INIS: May 1986; ETDE: Feb 1976
(Physical disintegration and chemical decomposition (as of earthy and rocky materials) on exposure to atmospheric agents.)
RT aging
RT corrosion
RT decomposition

WEATHERIZATION
INIS: Aug 1992; ETDE: Jul 1979
(Protection from the effects of weather.)
SF *caulking*
RT buildings
RT storm doors
RT storm windows
RT thermal insulation
RT weatherstripping

WEATHERSTRIPPING
INIS: Apr 2000; ETDE: Jun 1977
BT1 materials
RT air infiltration
RT gaskets
RT thermal insulation
RT weatherization

web growth method
Use dendritic web growth method

wecs
Use wind turbines

WEDDELL SEA
INIS: Jun 1992; ETDE: Aug 1984
(An arm of the southern Atlantic Ocean in Antarctica.)
*BT1 antarctic ocean
*BT1 atlantic ocean

WEEDS
BT1 plants
RT gramineae

weevils
Use beetles

wega device
Use wega stellarator

WEGA STELLARATOR
UF *wega device*
UF *wega tokamak*
*BT1 stellarators
RT tokamak devices

wega tokamak
Use wega stellarator

WEIERSTRASS FUNCTIONS
INIS: Apr 2000; ETDE: Jan 1976
BT1 functions
RT mathematics

weighing
Use weight

WEIGHT
(From February 1978 till March 1997 WEIGHT MEASUREMENT was a valid ETDE descriptor.)
UF *weighing*
UF *weight measurement*
RT density
RT mass
RT molecular weight
RT weight indicators

WEIGHT INDICATORS
BT1 measuring instruments
NT1 balances
NT2 microbalances
RT densimeters
RT weight

weight measurement
Use weight

WEIGHTING FUNCTIONS
BT1 functions
RT kriging
RT statistics

WEIGHTLESSNESS
INIS: Aug 1993; ETDE: Dec 1981
UF *zero gravity*
RT gravitation
RT space flight

WEIL EQUATION
BT1 equations
RT spin

WEINBERG ANGLE
INIS: Jan 1984; ETDE: Jul 1985
(A parameter in the standard model of the electroweak interaction that is used to describe neutral-current weak interactions.)
UF *electroweak mixing angle*
RT charged-current interactions
RT intermediate vector bosons
RT mixing ratio
RT neutral-current interactions
RT standard model
RT weak interactions

weinberg lepton model
Use weinberg-salam gauge model

weinberg model
Use weinberg-salam gauge model

WEINBERG-SALAM GAUGE MODEL
INIS: Nov 1978; ETDE: Oct 1976
(Until July 1995 this concept was indexed by WEINBERG LEPTON MODEL.)
UF *electroweak interaction model*
UF *electroweak model*
UF *salam-weinberg gauge model*
UF *standard electroweak model*
UF *weinberg lepton model*
UF *weinberg model*
*BT1 unified gauge models
*BT1 unified-field theories
RT grand unified theory
RT quantum flavordynamics
RT standard model

WEIR OIL RECOVERY SYSTEMS
INIS: Apr 2000; ETDE: Jan 1978
*BT1 pollution control equipment
RT oil spills
RT water pollution control

WEISSENBERG METHOD
RT rotating crystal method

WEISSKOPF MODEL
*BT1 evaporation model

weizsaecker-fermi formula
Use weizsaecker formula

WEIZSAECKER FORMULA
UF *bethe-weizsaecker relation*
UF *weizsaecker-fermi formula*
RT liquid drop model
RT mass number

WELDABILITY
RT welding

WELDED JOINTS
(From January 1975 until March 1996 LAP WELDS was a valid ETDE descriptor.)
UF *butt welds*
UF *lap welds*
UF *seam welds*
UF *spot welds*
UF *welds*
BT1 joints
RT welding

WELDING
(All endothermic processes for material joining.)
UF *fusion (welding)*
UF *seam welding*
UF *spot welding*
UF *stud welding*
*BT1 joining
NT1 arc welding
NT2 gas metal-arc welding
NT3 gas tungsten-arc welding
NT2 plasma arc welding
NT2 shielded metal-arc welding
NT2 submerged arc welding
NT1 brazing
NT1 diffusion welding
NT1 electron beam welding
NT1 electroslag welding
NT1 explosion welding
NT1 forge welding
NT1 friction welding
NT1 gas welding
NT1 induction welding
NT1 laser welding
NT1 magnetic force welding
NT1 resistance welding
NT2 flash welding
NT1 soldering
NT1 ultrasonic welding
NT1 vacuum welding
RT filler metals
RT heat affected zone
RT melting
RT metallurgical flux
RT self-welding
RT thermite process
RT weldability
RT welded joints
RT welding machines
RT welding rods

welding fluxes
Use metallurgical flux

WELDING MACHINES
RT welding
RT welding rods

WELDING RODS
RT welding
RT welding machines

welds
Use welded joints

well bore damage
Use formation damage

WELL CASINGS
INIS: May 1992; ETDE: Jan 1975
UF *casings (well)*
BT1 equipment
RT cementing
RT pipes
RT wells

WELL COMPLETION

INIS: Sep 1992; ETDE: Mar 1976

(Final sealing-off of a drilled well, after drilling apparatus is removed, with valving, safety, and flow-control devices.)

RT cementing
RT grouting
RT hydraulic equipment
RT natural gas wells
RT oil wells
RT perforation
RT propping agents
RT sand consolidation
RT well drilling
RT wellheads

WELL DRILLING

INIS: Feb 1992; ETDE: Jan 1975

BT1 drilling
RT cuttings removal
RT directional drilling
RT drilling equipment
RT drilling rigs
RT drills
RT exploratory wells
RT geothermal wells
RT hydraulic equipment
RT mwd systems
RT rock drilling
RT rotary drilling
RT rotary drills
RT spark drills
RT well completion
RT wells

WELL INJECTION EQUIPMENT

INIS: Apr 2000; ETDE: Mar 1984

*BT1 field production equipment
RT natural gas fields
RT natural gas wells
RT oil fields
RT oil wells

WELL LOGGING

(Detailed recording of a physical property of a well or borehole as a function of depth.)

UF+ *hydrocarbon logging*
NT1 caliper logging
NT1 chemical logging
NT1 dipmeter logging
NT1 electric logging
NT2 induced polarization logging
NT2 induction logging
NT2 resistivity logging
NT2 sp logging
NT1 gravity logging
NT1 nuclear magnetic logging
NT1 production logging
NT1 radioactivity logging
NT2 gamma logging
NT2 gamma-gamma logging
NT2 neutron logging
NT3 neutron-gamma logging
NT3 neutron-neutron logging
NT2 radioactive tracer logging
NT2 x-ray fluorescence logging
NT1 sonic logging
NT1 temperature logging
RT boreholes
RT borescopes
RT drill cores
RT geophysical surveys
RT mwd systems
RT well logging equipment

WELL LOGGING EQUIPMENT

INIS: Apr 1980; ETDE: Mar 1979

(Limited to equipment based on nuclear techniques or used in exploration of materials of nuclear interest.)

BT1 equipment
RT geothermal exploration
RT mwd systems
RT natural gas deposits
RT petroleum deposits
RT probes
RT radiation detectors
RT radiation sources
RT well logging

well maintenance

Use well servicing

WELL PRESSURE

INIS: Jul 1986; ETDE: Aug 1978

UF *bottom-hole pressure*
BT1 reservoir pressure
RT geothermal wells
RT natural gas wells

well reconditioning

Use well servicing

WELL RECOVERY EQUIPMENT

INIS: Apr 2000; ETDE: Mar 1984

*BT1 field production equipment
RT natural gas fields
RT natural gas wells
RT oil fields
RT oil wells

WELL SERVICING

INIS: Mar 1992; ETDE: May 1981

UF *well maintenance*
UF *well reconditioning*
RT natural gas wells
RT oil wells
RT scrapers
RT well stimulation

well shooting

Use explosive stimulation

well skin effect

Use formation damage

WELL SPACING

INIS: Apr 2000; ETDE: Jul 1976

(Area location and interrelationship between wells, such as producing oil, natural gas, or geothermal wells in a field or wells used for radioactive wastes; may be calculated for the maximum ultimate production from a given reservoir.)

RT geothermal fields
RT natural gas fields
RT oil fields

WELL STIMULATION

INIS: Aug 1992; ETDE: Jun 1975

(One of the techniques to increase oil or gas reservoir production such as acidizing, fracturing, controlled underground explosions, or various cleaning techniques.)

BT1 stimulation
NT1 explosive stimulation
RT acidization
RT carbon dioxide injection
RT displacement fluids
RT enhanced recovery
RT fluid injection
RT fracturing fluids
RT gas injection
RT hydraulic fracturing
RT microemulsion flooding
RT microemulsions
RT natural gas wells
RT oil wells
RT steam injection
RT waterflooding
RT well servicing

WELL TEMPERATURE

INIS: Jul 1992; ETDE: Dec 1978

BT1 reservoir temperature
RT temperature measurement

WELLHEAD PRICES

INIS: Apr 1992; ETDE: Jun 1979

(Prices paid at the wellhead for gas or oil produced.)

BT1 prices
RT natural gas wells
RT oil wells

WELLHEADS

INIS: Apr 1992; ETDE: Jan 1977

UF *christmas trees*
*BT1 field production equipment
RT geothermal wells
RT natural gas wells
RT oil wells
RT well completion

WELLMAN-GALUSHA PROCESS

INIS: Apr 2000; ETDE: May 1975

(Crushed coal and oxygen-steam mixture are introduced through revolving grate at bottom of gasifier available with or without agitator. Raw gas of 270 btu/scf is produced.)

*BT1 coal gasification

WELLMAN-INCANDESCENT PROCESS

INIS: Apr 2000; ETDE: Apr 1978

(This two-stage gasifier is nearly identical to the IFE two-stage gasifier that was commercially available until the late 1950's from the International Furnace Equipment Co. Ltd.)

*BT1 coal gasification
RT gas generators

wellman-lord process

Use w-l sulfur dioxide recovery process

WELLS

INIS: May 1976; ETDE: Feb 1975

NT1 abandoned wells
NT1 disposal wells
NT1 dry holes
NT1 exploratory wells
NT1 gas condensate wells
NT1 geothermal wells
NT1 injection wells
NT1 natural gas wells
NT1 oil wells
NT1 water wells
RT blowouts
RT boreholes
RT drilling
RT formation damage
RT perforation
RT well casings
RT well drilling

welton method

Use feynman method

WENDELL-AMEDEE HOT SPRINGS

INIS: Apr 2000; ETDE: Dec 1985

BT1 kgra
RT california
RT geothermal fields

WENDELSTEIN-2B STELLARATOR
INIS: Jul 1976; ETDE: Aug 1976
SF *w stellarators*
*BT1 stellarators

WENDELSTEIN-7 STELLARATOR
SF *w stellarators*
*BT1 stellarators

WENDS
INIS: Dec 1979; ETDE: Jan 1980
(World ENergy Data System)
UF *world energy data system*
BT1 information systems
RT energy policy

WENRA
INIS: Apr 1999; ETDE: May 1999
(Western European Nuclear Regulators Association)
BT1 international organizations

wentzel-kramers-brillouin approximation
Use wkb approximation

west coast
Use us west coast

west germany
Use federal republic of germany

WEST INDIES
BT1 islands
NT1 bahama islands
NT1 greater antilles
NT2 cuba
NT2 hispaniola
NT3 dominican republic
NT3 haiti
NT2 jamaica
NT2 puerto rico
NT1 lesser antilles
NT2 antigua and barbuda
NT2 barbados
NT2 grenada
NT2 martinique
NT2 netherlands antilles
NT2 saint kitts and nevis
NT2 trinidad and tobago
NT2 virgin islands
NT1 saint lucia
NT1 saint vincent and the grenadines
RT caribbean sea
RT latin america

WEST VALLEY PROCESSING PLANT
*BT1 fuel reprocessing plants

WEST VALLEY UF6 FACILITY
INIS: Jul 1985; ETDE: Aug 1976
*BT1 feed materials plants

WEST VIRGINIA
*BT1 usa
RT monongahela river basin
RT ohio river
RT potomac river
RT potomac river basin

WESTERN AREA POWER ADMINISTRATION
INIS: Jul 1996; ETDE: Mar 1980
UF *wapa*
*BT1 us doe
RT electric power

WESTERN AUSTRALIA
*BT1 australia
RT yeelirrie deposit

WESTERN EUROPE
INIS: May 1983; ETDE: Aug 1993
(Prior to July 1991 this was a valid ETDE descriptor. From July 1991 to August 1993 this concept was indexed to EUROPE in ETDE.)
BT1 europe
NT1 austria
NT1 belgium
NT1 federal republic of germany
NT1 france
NT1 greece
NT1 iceland
NT1 ireland
NT1 italy
NT2 appennines
NT2 sicily
NT1 luxembourg
NT1 malta
NT1 monaco
NT1 netherlands
NT1 portugal
NT2 azores islands
NT1 san marino
NT1 scandinavia
NT2 denmark
NT2 finland
NT2 norway
NT2 sweden
NT1 spain
NT2 canary islands
NT1 switzerland
NT1 united kingdom

western new york nuclear research reactor
Use pulstar-buffalo reactor

western region
Use usa

WESTERN US OVERTHRUST BELT
INIS: Apr 2000; ETDE: Jul 1982
UF *overthrust belt*
UF *rocky mountain overthrust belt*
RT idaho
RT montana
RT natural gas deposits
RT petroleum deposits
RT utah
RT wyoming

WESTINGHOUSE GASIFICATION PROCESS
INIS: Apr 2000; ETDE: Feb 1979
(The process involves two stages: fluidized-bed gasifier and recirculating-bed devolatilizer.)
*BT1 coal gasification
RT krw gasification process

westinghouse nuclear training reactor
Use wntr reactor

WESTINGHOUSE RECYCLE FUELS PLANT
*BT1 fuel fabrication plants
*BT1 fuel reprocessing plants
RT fuel cycle

WESTINGHOUSE STANDARD REACTOR
INIS: Oct 1975; ETDE: Jan 1975
(Prior to 1975, PWR/41 TYPE REACTORS was used.)
UF *pwr/41 type reactors*
*BT1 pwr type reactors
RT bopssar standard plant
RT gibbssar standard plant

westinghouse testing reactor
Use wtr reactor

westvaco process
Use desulfurization

WET ASHING
UF *ashing (wet)*
RT combustion
RT sample preparation
RT waste processing

wet deposition
Use washout

WET OXIDATION PROCESSES
INIS: Jul 1994; ETDE: Oct 1984
*BT1 waste processing
RT liquid wastes
RT oxidation

WET STORAGE
INIS: Apr 1996; ETDE: May 1997
BT1 storage
RT dry storage
RT radioactive waste storage
RT spent fuel storage

wet-type cooling towers
Use cooling towers
AND open-cycle cooling systems

WETLANDS
INIS: Aug 1987; ETDE: Apr 1981
UF *peatlands*
*BT1 aquatic ecosystems
NT1 marshes
NT1 swamps
RT river deltas
RT surface waters

WETTABILITY
RT surface properties
RT waterproofing
RT wetting agents

WETTING AGENTS
BT1 surfactants
NT1 detergents
NT2 pluronics
RT wettability

WETTING HEAT
INIS: Apr 2000; ETDE: Nov 1984
(Heat change that occurs when a powder is wet by a liquid.)
UF *heat of wetting*
RT absorption heat
RT reaction heat

weyl field
Use weyl unified theory

WEYL UNIFIED THEORY
UF *weyl field*
*BT1 unified-field theories
RT electromagnetic fields
RT gravitational fields
RT weak neutral currents

whales
Use cetaceans

WHEAT
UF *triticum*
*BT1 cereals

WHEELS
INIS: Mar 1983; ETDE: Dec 1978
NT1 water wheels
RT gears
RT tires
RT vehicles

WHETSTONE OPERATION
INIS: Apr 2000; ETDE: Nov 1979
*BT1 nuclear explosions
*BT1 underground explosions
RT contained explosions

WHEY
INIS: Jul 1993; ETDE: Aug 1978
(Watery part of milk separated from the curd in the process of making cheese.)
*BT1 milk products
RT cheese
RT food industry
RT milk

WHISKERS
*BT1 monocrystals

WHISTLER INSTABILITY
INIS: Nov 1988; ETDE: Oct 1985
UF *whistler mode*
*BT1 plasma macroinstabilities
RT beam-plasma systems
RT plasma waves

whistler mode
Use whistler instability

WHISTLERS
*BT1 radio noise
RT atmospherics
RT auroral hiss
RT lightning

white copper
Use copper base alloys
AND nickel alloys
AND zinc alloys

WHITE DWARF STARS
*BT1 dwarf stars

WHITE HOLES
INIS: Oct 1977; ETDE: Jun 1976
(A time-reversed black hole, an expanding source with growing intensity and photon energy.)
RT black holes
RT cosmology
RT origin
RT stars

WHITE RIVER
INIS: Apr 2000; ETDE: May 1975
(Not related to White River Basin, a geographically separate area in Arkansas and Missouri.)
*BT1 rivers
RT colorado
RT utah

WHITE RIVER BASIN
INIS: Apr 2000; ETDE: Nov 1977
(Not related to White River, a river flowing in Colorado and Utah.)
RT arkansas
RT missouri

WHITE RIVER SHALE PROJECT
INIS: Apr 2000; ETDE: Mar 1976
RT oil shales
RT utah

WHITE SANDS SOLAR FACILITY
INIS: Apr 2000; ETDE: Oct 1981
(The US Army Solar Test Facility in White Sands, New Mexico.)
BT1 test facilities
RT solar furnaces

whiteshell-1 reactor
Use wr-1 reactor

whiteshell nuclear research establishment
Use wnre

WHO
UF *world health organization*
BT1 international organizations
RT medicine
RT united nations

WHOLE-BODY COUNTERS
*BT1 radiation detectors
RT gamma spectrometers
RT whole-body counting

WHOLE-BODY COUNTING
BT1 counting techniques
RT body
RT personnel monitoring
RT radiation protection
RT radioactivity
RT radionuclide kinetics
RT retention
RT whole-body counters

WHOLE-BODY IRRADIATION
*BT1 external irradiation
RT body

wholesale buyers
Use resellers

wholesale price index
Use wholesale prices

WHOLESALE PRICES
INIS: Feb 1992; ETDE: Jun 1979
(From September 1979 until March 1996 WHOLESALE PRICE INDEX was a valid ETDE descriptor.)
UF *producer price index*
UF *wholesale price index*
BT1 prices
RT retail prices

wholesale sellers
Use resellers

wholesalers
Use resellers

WHOLESOMENESS
RT food
RT preservation

WICK-CHANDRASEKHAR METHOD
BT1 calculation methods
RT transport theory

WICK METHOD
RT neutron slowing-down theory
RT slowing-down

WICK THEOREM
RT many-body problem
RT quantum field theory

WIDE GAP SPARK CHAMBERS
*BT1 spark chambers

WIDMANSTAETTEN STRUCTURE
BT1 microstructure
RT phase transformations

WIDOWS CREEK STEAM PLANT
INIS: Jun 2000; ETDE: Aug 1976
*BT1 fossil-fuel power plants
RT tennessee valley authority

WIDTH
(For dimensions only: see also LEVEL WIDTHS, LINE WIDTHS, and PARTICLE WIDTHS.)
BT1 dimensions
RT size

WIEDEMANN-FRANZ LAW
RT electric conductivity
RT thermal conductivity

wiederaufarbeitungsanlage karlsruhe
Use wak

wiederaufarbeitungsanlage wackersdorf
Use wackersdorf reprocessing plant

WIGGLER MAGNETS
INIS: Nov 1977; ETDE: Jun 1977
UF *undulators*
*BT1 magnets
RT synchrotron radiation

WIGHTMAN FIELD THEORY
*BT1 axiomatic field theory

WIGNER COEFFICIENTS
UF *9j-symbols*
RT angular momentum
RT clebsch-gordan coefficients
RT group theory
RT quantum mechanics
RT racah coefficients

WIGNER DISTRIBUTION
RT thermodynamics

WIGNER EFFECT
RT graphite
RT radiation effects

WIGNER-EISENBUD THEORY
RT nuclear potential

WIGNER FORCE
BT1 nuclear forces

wigner method
Use peierls method

WIGNER SCATTERING
*BT1 elastic scattering

WIGNER-SEITZ METHOD
BT1 calculation methods
RT band theory

WIGNER THEORY
RT quantum mechanics

WIGNER-WILKINS MODEL
RT slowing-down

WILD ANIMALS
BT1 animals
RT coyotes

RT foxes
RT grazing
RT home range
RT rangelands
RT wolves

wilderness areas
Use nature reserves

WILDERNESS PROTECTION ACTS
INIS: Mar 1992; ETDE: Mar 1983
BT1 laws
RT environment
RT land use
RT nature reserves

WILKINS EQUATION
BT1 equations
RT slowing-down

wilkinson theory
See shell models

william h. zimmer-1 reactor
Use zimmer-1 reactor

william h. zimmer-2 reactor
Use zimmer-2 reactor

williams-weizsacker approximation
Use equivalent-photon approximation

WILLISTON BASIN
INIS: Jun 1992; ETDE: Feb 1986
*BT1 sedimentary basins
RT manitoba
RT montana
RT north dakota
RT petroleum deposits
RT saskatchewan
RT south dakota

WILLOWS
INIS: Jan 1992; ETDE: May 1984
*BT1 magnoliopsida
*BT1 trees

wilputte process
Use coal gasification

WILSON LOOP
INIS: Mar 1983; ETDE: Mar 1983
RT feynman path integral
RT lattice field theory
RT order parameters
RT quantum chromodynamics
RT yang-mills theory

WILZBACH METHOD
BT1 labelling
RT labelled compounds

WINCHES
*BT1 materials handling equipment
RT hoists
RT materials handling

WIND
RT advection
RT air
RT atmospheric circulation
RT climates
RT fallout
RT hurricanes
RT meteorology
RT natural disasters
RT particle resuspension
RT radioactive clouds
RT sails
RT tornadoes
RT turbulence
RT weather
RT wind loads

wind energy conversion systems
Use wind turbines

wind farms
Use wind turbine arrays

wind generators
Use electric generators
AND wind turbines

WIND LOADS
INIS: Jul 1992; ETDE: Mar 1980
BT1 dynamic loads
RT storms
RT stresses
RT wind

WIND POWER
INIS: Dec 1982; ETDE: Apr 1975
BT1 power
*BT1 renewable energy sources
RT wind power industry
RT wind turbines

WIND POWER INDUSTRY
INIS: Feb 1992; ETDE: Jul 1981
BT1 industry
RT wind power

WIND POWER PLANTS
INIS: Apr 1992; ETDE: Mar 1976
(Wind turbines supplying electric power to a grid.)
BT1 power plants
NT1 efd wind generators
RT wind turbine arrays

WIND-POWERED PUMPS
INIS: Apr 1992; ETDE: Sep 1978
(Wind-mechanical pumps only, for wind-electric pumps use WIND TURBINES and PUMPS.)
*BT1 pumps
RT wind turbines

WIND TUNNELS
*BT1 tunnels
RT aerodynamics
RT supersonic flow

WIND TURBINE ARRAYS
INIS: Apr 1992; ETDE: Aug 1985
UF *wind farms*
RT wind power plants

WIND TURBINES
INIS: Aug 1991; ETDE: Apr 1975
UF *wecs*
UF *wind energy conversion systems*
UF+ *wind generators*
*BT1 turbines
NT1 diffuser augmented turbines
NT1 horizontal axis turbines
NT1 vertical axis turbines
NT2 giromill turbines
NT2 tornado turbines
NT1 vortex augmented turbines
RT solar chimneys
RT tilt mechanisms
RT tipvane rotors
RT troposkien shape
RT water brakes
RT wind power
RT wind-powered pumps

WINDFALL PROFITS TAX
INIS: Apr 2000; ETDE: Dec 1979
BT1 taxes
RT petroleum industry
RT profits
RT us economic recovery tax act

WINDING MACHINES
INIS: Feb 1992; ETDE: May 1979
(Equipment for winding coils.)
*BT1 machinery
RT electric coils
RT magnet coils

WINDOWS
BT1 openings
NT1 storm windows
RT bead walls
RT buildings
RT curtains
RT daylighting
RT double glazing
RT glazing materials
RT heat mirrors
RT shutters
RT skylights
RT solar control films

windscale advanced gas-cooled reactor
Use wagr reactor

WINDSCALE PRODUCTION REACTORS
*BT1 air cooled reactors
*BT1 graphite moderated reactors
*BT1 natural uranium reactors
*BT1 plutonium production reactors
*BT1 thermal reactors

windscale reprocessing plant
Use sellafield reprocessing plant

wine
Use beverages

WINKLER PROCESS
INIS: Apr 2000; ETDE: Jan 1975
(Davy-Powergas Inc. process for producing intermediate- or high-btu gas that utilizes a fluidized bed gasifier operating at 1500-1850 degrees F and using oxygen and steam. Substitution of air for oxygen will produce low-btu gas.)
RT sng processes

winston collectors
Use compound parabolic concentrators

WIPP
INIS: Apr 1985; ETDE: Oct 1984
UF *waste isolation pilot plant*
*BT1 pilot plants
*BT1 radioactive waste facilities
BT1 underground facilities
*BT1 us doe
RT alpha-bearing wastes
RT high-level radioactive wastes
RT new mexico
RT salt deposits

WIRE SPARK CHAMBERS
*BT1 filmless spark chambers
RT multiwire proportional chambers

WIRES
NT1 exploding wires
NT1 superconducting wires
RT chains
RT filaments
RT rods
RT ropes

wires (fuel)
Use fuel wires

WISCONSIN
*BT1 usa
RT menominee river
RT mississippi river

wisconsin point beach-1 reactor
Use point beach-1 reactor

wisconsin point beach-2 reactor
Use point beach-2 reactor

wisconsin public service power reactor
Use kewaunee reactor

wisconsin university nuclear reactor
Use uwnr reactor

wisconsin university tokamak
Use uwmak devices

wisconsin utilities project-3 reactor
Use wup-3 reactor

wisconsin utilities project-4 reactor
Use wup-4 reactor

wisconsin utilities project-5 reactor
Use wup-5 reactor

wisconsin utilities project-6 reactor
Use wup-6 reactor

WITWATERSRAND
BT1 mountains
RT transvaal

WKB APPROXIMATION
UF *wentzel-kramers-brillouin approximation*
RT scattering

WMO
INIS: Jul 2001; ETDE: Nov 1999
UF *world meteorological organization*
BT1 international organizations
RT climates
RT meteorology
RT united nations

WNP-1 REACTOR
UF *washington public power supply system-1 reactor*
UF *wppss nuclear project no. 1*
*BT1 pwr type reactors
RT n-reactor

WNP-2 REACTOR
(Washington Public Power Supply System Nuclear Project Number 2, previously known as Hanford-2 Reactor.)
UF *washington public power supply system-2 reactor*
UF *wppss nuclear project no. 2*
*BT1 bwr type reactors
NT1 hanford-2 reactor

WNP-3 REACTOR
UF *washington public power supply system-3 reactor*
UF *wppss nuclear project no. 3*
*BT1 pwr type reactors

WNP-4 REACTOR
INIS: Aug 1975; ETDE: Jan 1975
UF *washington public power supply system-4 reactor*
UF *wppss nuclear project no. 4*
*BT1 pwr type reactors

WNP-5 REACTOR
UF *washington public power supply system-5 reactor*
UF *wppss nuclear project no. 5*
*BT1 pwr type reactors

WNRE
UF *whiteshell nuclear research establishment*
*BT1 atomic energy of canada ltd

WNTR REACTOR
INIS: Apr 1985; ETDE: Mar 1980
(Zion, Illinois, USA.)
UF *westinghouse nuclear training reactor*
*BT1 enriched uranium reactors
*BT1 fast reactors
*BT1 tank type reactors
*BT1 training reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

WOLF CREEK-1 REACTOR
INIS: Oct 1975; ETDE: Apr 1975
(Coffey, Kansas, USA)
*BT1 pwr type reactors

WOLF-RAYET STARS
*BT1 main sequence stars

WOLFENSTEIN PARAMETERS
RT interactions
RT nucleons

wolfram
Use tungsten

WOLFRAMITE
*BT1 oxide minerals
RT iron oxides
RT tungsten oxides

wolframophosphoric acid
Use tungstophosphoric acid

WOLSUNG-1 REACTOR
INIS: Feb 1978; ETDE: Mar 1978
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

WOLSUNG-2 REACTOR
INIS: Dec 1991; ETDE: Jan 1992
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

WOLSUNG-3 REACTOR
INIS: Jan 1994; ETDE: Jan 1994
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

WOLSUNG-4 REACTOR
INIS: Jan 1994; ETDE: Jan 1994
*BT1 candu type reactors
*BT1 natural uranium reactors
*BT1 phwr type reactors

WOLVES
INIS: Jul 1993; ETDE: Jul 1979
*BT1 mammals
RT coyotes
RT dogs
RT foxes
RT wild animals

WOMEN
BT1 females
*BT1 man
RT adults
RT gynecology
RT us affirmative action program

WOOD
UF *lightwood*
RT biomass
RT cork
RT creosote
RT delignification
RT fuels
RT harvesting
RT hemicellulose
RT lignin
RT paper industry
RT solid fuels
RT trees
RT wood fuels
RT wood products industry
RT wood-fuel power plants
RT wood-plastic composites
RT xylans
RT xylose

wood alcohol
Use methanol

WOOD BURNING APPLIANCES
INIS: Jan 1993; ETDE: Aug 1979
UF+ *stoves (wood burning)*
UF+ *wood stoves*
*BT1 appliances
NT1 wood burning furnaces
RT ovens
RT stoves

WOOD BURNING FURNACES
INIS: Apr 2000; ETDE: Jun 1977
BT1 furnaces
*BT1 wood burning appliances
RT space heating

WOOD-FUEL POWER PLANTS
INIS: Jan 1993; ETDE: Feb 1980
*BT1 thermal power plants
RT wood
RT wood fuels

WOOD FUELS
INIS: Apr 1992; ETDE: Jan 1981
(Use of this term is limited to policy, feasibility, and socio-economic studies. For wood properties use WOOD.)
UF *firewood*
UF *fuelwood*
BT1 energy sources
BT1 fuels
RT biomass
RT charcoal
RT trees
RT wood
RT wood-fuel power plants

WOOD METAL
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-bi50pb25cd12sn12

WOOD OILS
INIS: Apr 2000; ETDE: Sep 1984
*BT1 oils
RT synthetic fuels

WOOD-PLASTIC COMPOSITES
*BT1 composite materials
RT organic polymers
RT wood

WOOD PRODUCTS INDUSTRY
INIS: Mar 1992; ETDE: Oct 1978
(Industry producing products made from wood, including lumber.)
UF *lumber industry*
BT1 industry
NT1 paper industry
RT forestry
RT furniture industry
RT harvesting equipment
RT printing and publishing industry
RT wood

wood stoves
Use stoves
AND wood burning appliances

WOOD WASTES
INIS: Mar 1992; ETDE: Oct 1975
UF *hog fuel*
*BT1 organic wastes
*BT1 solid wastes
RT bark

WOODALL-DUCKHAM PROCESS
INIS: Apr 2000; ETDE: Aug 1977
(A two-stage fixed bed process with volatile matter removed at low temperature in the first stage and semicoke or char gasified at higher temperatures in the second stage to produce a low btu gas.)
*BT1 coal gasification
RT low btu gas

WOODS-SAXON POTENTIAL
UF *saxon-woods potential*
*BT1 nuclear potential
RT optical models

WOOL
RT fibers
RT textiles

wool fat
Use esters
AND lipids
AND sterols

worcester polytechnic institute pool reactor
Use wpir reactor

WORK
(From August 1977 to March 1997 LABOR was a valid ETDE descriptor.)
SF *labor*
RT automation
RT employment
RT ilo
RT occupational diseases
RT occupations
RT personnel
RT remote handling
RT wages
RT working conditions
RT working days

WORK FUNCTIONS
BT1 functions
RT binding energy
RT electron emission
RT electron tubes
RT energy
RT metals
RT surface potential

work hardening
Use strain hardening

work softening
Use strain softening

workers
Use personnel

working (materials)
Use materials working

WORKING CONDITIONS
RT air conditioning
RT alara
RT human factors engineering
RT icrp critical group
RT industrial medicine
RT labor relations
RT occupational diseases
RT occupational safety
RT radiation protection
RT safety
RT us occupational safety and health act
RT work
RT working days

WORKING DAYS
INIS: Apr 2000; ETDE: Aug 1993
(Prior to December 1991 this was a valid ETDE descriptor. From December 1991 to August 1993 this concept was indexed by ALTERNATIVE WORK SCHEDULES or WORKING CONDITIONS in ETDE.)
RT alternative work schedules
RT employment
RT personnel
RT work
RT working conditions

WORKING FACES
INIS: Sep 1999; ETDE: May 1980
RT geologic deposits
RT mining

WORKING FLUIDS
INIS: Jun 1982; ETDE: Jan 1975
BT1 fluids
NT1 hydraulic fluids
NT1 refrigerants
RT antifreeze
RT energy conversion
RT freeze protection
RT heat exchangers
RT heat pumps
RT heat transfer
RT heat transfer fluids
RT hydrodynamics
RT turbines

WORKMENS COMPENSATION
UF *compensation (workmens)*
RT accidents
RT civil liability
RT financial security
RT hazards
RT indemnification agreements
RT legal aspects
RT victims compensation

world
See earth planet
OR global aspects

world association of nuclear operators
Use wano

WORLD ENERGY COUNCIL
INIS: Aug 2000; ETDE: Nov 1999
BT1 international organizations
RT energy policy

world energy data system
Use wends

world health organization
Use who

world meteorological organization
Use wmo

world-wide fallout
Use global fallout

worms (flat)
Use platyhelminths

worms (round)
Use nematodes

worms (segmented)
Use annelids

WOUNDS
*BT1 injuries
RT healing
RT necrosis
RT skin

WPIR REACTOR
(Worcester Polytechnic Institute, Worcester, Massachusetts, USA)
UF *worcester polytechnic institute pool reactor*
*BT1 enriched uranium reactors
*BT1 pool type reactors
*BT1 thermal reactors
*BT1 training reactors

wppss nuclear project no. 1
Use wnp-1 reactor

wppss nuclear project no. 2
Use wnp-2 reactor

wppss nuclear project no. 3
Use wnp-3 reactor

wppss nuclear project no. 4
Use wnp-4 reactor

wppss nuclear project no. 5
Use wnp-5 reactor

WR-1 REACTOR
(Atomic Energy of Canada, Ltd., Manitoba, Canada)
UF *whiteshell-1 reactor*
*BT1 enriched uranium reactors
*BT1 heavy water moderated reactors
*BT1 materials testing reactors
*BT1 organic cooled reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors

WRRR REACTOR
UF *walter reed research reactor l-54*
*BT1 aqueous homogeneous reactors
*BT1 enriched uranium reactors
*BT1 research reactors
*BT1 thermal reactors

WSUR REACTOR
(Washington State University, Nuclear Radiation Center, Pullman, Washington, USA)
UF *pullman washington state university reactor*
UF *rscw reactor*
UF *rwsu reactor*
UF *washington state university reactor*
*BT1 pool type reactors
*BT1 pulsed reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 triga type reactors

WT-3 TOKAMAK
INIS: Dec 1989; ETDE: Jan 1990
(Kyoto University, Kyoto, Japan.)
*BT1 tokamak devices

WTR REACTOR
(Westinghouse Electric Corporation, Madison, Pennsylvania, USA)
UF *westinghouse testing reactor*
*BT1 enriched uranium reactors
*BT1 isotope production reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 test reactors
*BT1 thermal reactors
*BT1 water cooled reactors
*BT1 water moderated reactors

wuerenlingen proteus reactor
Use proteus reactor

WUERGASSEN REACTOR
(Wuergassen, Niedersachsen, Federal Republic of Germany)
UF *kernkraftwerk wuergassen*
*BT1 bwr type reactors

wulfenite
Use oxide minerals

wup-1 reactor
Use haven-1 reactor

wup-2 reactor
Use haven-2 reactor

WUP-3 REACTOR
(Standardized plant of the Wisconsin Utilities Project.)
UF *wisconsin utilities project-3 reactor*
*BT1 pwr type reactors

WUP-4 REACTOR
(Standardized plant of the Wisconsin Utilities Project.)
UF *wisconsin utilities project-4 reactor*
*BT1 pwr type reactors

WUP-5 REACTOR
(Standardized plant of the Wisconsin Utilities Project.)
UF *wisconsin utilities project-5 reactor*
*BT1 pwr type reactors

WUP-6 REACTOR
(Standardized plant of the Wisconsin Utilities Project.)
UF *wisconsin utilities project-6 reactor*
*BT1 pwr type reactors

wwer-1 reactor
Use novovoronezh-1 reactor

wwer-2 reactor
Use novovoronezh-2 reactor

wwer-3 reactor
Use novovoronezh-3 reactor

wwer-4 reactor
Use novovoronezh-4 reactor

wwer-5 reactor
Use novovoronezh-5 reactor

WWER TYPE REACTORS
*BT1 pwr type reactors
NT1 armenian-1 reactor
NT1 armenian-2 reactor
NT1 balakovo-1 reactor
NT1 balakovo-2 reactor
NT1 balakovo-3 reactor
NT1 balakovo-4 reactor
NT1 blahutovice-1 reactor
NT1 bohunice v-1 reactor
NT1 bohunice v-2 reactor
NT1 dukovany-1 reactor
NT1 dukovany-2 reactor
NT1 dukovany-3 reactor
NT1 dukovany-4 reactor
NT1 greifswald-1 reactor
NT1 greifswald-2 reactor
NT1 greifswald-3 reactor
NT1 greifswald-4 reactor
NT1 greifswald-5 reactor
NT1 greifswald-6 reactor
NT1 juragua-1 reactor
NT1 kalinin-1 reactor
NT1 kalinin-3 reactor
NT1 kecerovce-1 reactor
NT1 khmelnitskij-1 reactor
NT1 kola-1 reactor
NT1 kola-2 reactor
NT1 kola-3 reactor
NT1 kola-4 reactor
NT1 kozloduy-1 reactor
NT1 kozloduy-2 reactor
NT1 kozloduy-3 reactor
NT1 kozloduy-4 reactor
NT1 kozloduy-5 reactor
NT1 kozloduy-6 reactor
NT1 loviisa-1 reactor
NT1 loviisa-2 reactor
NT1 mochovce-1 reactor
NT1 mochovce-2 reactor
NT1 novovoronezh-1 reactor
NT1 novovoronezh-2 reactor
NT1 novovoronezh-3 reactor
NT1 novovoronezh-4 reactor
NT1 novovoronezh-5 reactor
NT1 paks-1 reactor
NT1 paks-2 reactor
NT1 paks-3 reactor
NT1 paks-4 reactor
NT1 rovno-1 reactor
NT1 rovno-2 reactor
NT1 rovno-3 reactor
NT1 rovno-4 reactor
NT1 rovno-5 reactor
NT1 south ukrainian-1 reactor
NT1 south ukrainian-2 reactor
NT1 south ukrainian-3 reactor
NT1 stendal-1 reactor
NT1 tatarian reactor
NT1 temelin-1 reactor
NT1 temelin-2 reactor
NT1 tianwan-1 reactor
NT1 zaporozhe-1 reactor
NT1 zaporozhe-2 reactor
NT1 zaporozhe-3 reactor
NT1 zaporozhe-4 reactor
NT1 zaporozhe-5 reactor
NT1 zaporozhe-6 reactor

WWR-2 REACTOR
(Moscow, Russian Federation)
*BT1 isotope production reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 wwr type reactors

wwr-c-baghdad reactor
Use irt-baghdad reactor

wwr-c-bucharest reactor
Use wwr-s-bucharest reactor

wwr-c-budapest reactor
Use wwr-s-budapest reactor

wwr-c-cairo reactor
Use wwr-s-cairo reactor

wwr-c-moscow reactor
Use wwr-s-moscow reactor

wwr-c-prague reactor
Use lvr-15 reactor

wwr-c-tashkent reactor
Use wwr-s-tashkent reactor

wwr-k-alma-ata reactor
Use wwr-k-almaty reactor

WWR-K-ALMATY REACTOR
(Almaty, Kazakhstan. Until July 1997 this descriptor was spelled WWR-K-ALMA-ATA REACTOR.)
UF *alma-ata wwr-k reactor*
UF *almaty wwr-k reactor*
UF *wwr-k-alma-ata reactor*
*BT1 research reactors
*BT1 thermal reactors
*BT1 wwr type reactors

WWR-M-KIEV REACTOR
(Kiev, Ukraine)
UF *kiev wwr-m reactor*
*BT1 isotope production reactors
*BT1 materials testing reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 wwr type reactors

WWR-M-LENINGRAD REACTOR
(Leningrad, Russian Federation)
UF *leningrad wwr-m reactor*
*BT1 isotope production reactors
*BT1 materials testing reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 wwr type reactors

wwr-s-baghdad reactor
Use irt-baghdad reactor

WWR-S-BUCHAREST REACTOR
(Magurele, Romania)
UF *bucharest wwr-s reactor*
UF *romanian wwr-c reactor*
UF *wwr-c-bucharest reactor*
*BT1 research reactors
*BT1 thermal reactors
*BT1 wwr type reactors

WWR-S-BUDAPEST REACTOR
(Central Research Inst. for Physics, Hungarian Academy of Sciences, Budapest, Hungary)
UF *budapest wwr-s reactor*
UF *hungarian wwr-c reactor*
UF *kfki reactor*
UF *wwr-c-budapest reactor*
*BT1 isotope production reactors
*BT1 thermal reactors
*BT1 training reactors
*BT1 wwr type reactors

WWR-S-CAIRO REACTOR
UF *are-rr-1 reactor*
UF *cairo wwr-s reactor*
UF *united arab republic wwr-c reactor*
UF *wwr-c-cairo reactor*
*BT1 research reactors
*BT1 thermal reactors
*BT1 wwr type reactors

WWR-S-MOSCOW REACTOR
(Moscow, Russian Federation)
UF *moscow wwr-s reactor*
UF *wwr-c-moscow reactor*
*BT1 isotope production reactors
*BT1 research reactors
*BT1 thermal reactors

*BT1 wwr type reactors

WWR-S-PRAGUE REACTOR
UF *czech wwr-c reactor*
*BT1 research reactors
*BT1 thermal reactors
*BT1 wwr type reactors

wwr-s-rez reactor
Use lvr-15 reactor

WWR-S-TASHKENT REACTOR
(Tashkent, Uzbekistan)
UF *tashkent wwr-s reactor*
UF *uzbek wwr-c reactor*
UF *uzbek wwr-s reactor*
UF *wwr-c-tashkent reactor*
*BT1 research reactors
*BT1 thermal reactors
*BT1 wwr type reactors

wwr-s-zittau reactor
Use zlfr reactor

WWR-SM ROSSENDORF REACTOR
(Zentralinstitut fuer Kernforschung, Rossendorf bei Dresden, German Democratic Republic)
UF *rossendorf wwr-sm reactor*
*BT1 isotope production reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 wwr type reactors

WWR TYPE REACTORS
UF *zarnowiec reactor*
*BT1 enriched uranium reactors
*BT1 tank type reactors
*BT1 water cooled reactors
*BT1 water moderated reactors
NT1 budapest training reactor
NT1 irt-baghdad reactor
NT1 lvr-15 reactor
NT1 wwr-2 reactor
NT1 wwr-k-almaty reactor
NT1 wwr-m-kiev reactor
NT1 wwr-m-leningrad reactor
NT1 wwr-s-bucharest reactor
NT1 wwr-s-budapest reactor
NT1 wwr-s-cairo reactor
NT1 wwr-s-moscow reactor
NT1 wwr-s-prague reactor
NT1 wwr-s-tashkent reactor
NT1 wwr-sm rossendorf reactor
NT1 wwr-z reactor

WWR-Z REACTOR
INIS: Apr 2000; ETDE: Dec 1974
*BT1 research reactors
*BT1 thermal reactors
*BT1 wwr type reactors

WYHL-1 REACTOR
INIS: Oct 1975; ETDE: Dec 1975
UF *kws-1 wyhl reactor*
*BT1 pwr type reactors

WYHL-2 REACTOR
INIS: Oct 1975; ETDE: Dec 1975
UF *kws-2 wyhl reactor*
*BT1 pwr type reactors

wylfa nuclear power station
Use wylfa reactor

WYLFA REACTOR
(Anglesey, Wales, UK)
UF *wylfa nuclear power station*
*BT1 carbon dioxide cooled reactors
*BT1 magnox type reactors
*BT1 thermal reactors

WYOMING
*BT1 usa
NT1 powder river basin
NT1 rock springs sites
NT1 washakie basin
RT green river formation
RT north platte river basin
RT snake river plain
RT us naval petroleum reserves
RT wasatch formation
RT western us overthrust belt
RT yellowstone national park

X

X-10 REACTOR
(ORNL, Tennessee, USA)
UF *ornl x-10 area graphite reactor*
*BT1 air cooled reactors
*BT1 graphite moderated reactors
*BT1 isotope production reactors
*BT1 natural uranium reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 training reactors

X-1700 MESONS
INIS: Dec 1987; ETDE: Feb 1988
*BT1 mesons

X-1935 MESONS
(Prior to December 1987 this concept was indexed by S-1930 RESONANCES.)
UF *s-1930 resonances*
*BT1 mesons

X-2220 MESONS
INIS: Dec 1987; ETDE: Feb 1988
(Prior to December 1987 this concept was indexed by X-2220RESONANCES.)
UF *x-2220 resonances*
*BT1 mesons

x-2220 resonances
Use x-2220 mesons

x-2830 resonances
Use mesons

X-3075 MESONS
INIS: May 1988; ETDE: Jun 1988
*BT1 mesons

x 40 (alloy)
Use alloy-hs-31

X CENTERS
INIS: Apr 2000; ETDE: Jan 1975
*BT1 color centers

X CHROMOSOME
INIS: Jul 1978; ETDE: Mar 1980
(Prior to April 1980 this concept was indexed to HETEROCHROMOSOMES in ETDE.)
UF *x-chromosomes*
*BT1 heterochromosomes
NT1 human x chromosome

x-chromosomes
Use x chromosome

X CODES
BT1 computer codes

X RADIATION
*BT1 electromagnetic radiation
*BT1 ionizing radiations
NT1 hard x radiation
NT1 soft x radiation
RT biomedical radiography
RT cosmic x-ray bursts
RT cosmic x-ray sources
RT fluoroscopy
RT gamma radiation
RT photons
RT solar x-ray bursts
RT television
RT x-ray fluorescence analysis
RT x-ray photoelectron spectroscopy
RT x-ray spectroscopy

x-rasers
Use x-ray lasers

X-RAY DETECTION
UF *photon detection (x-ray)*
*BT1 radiation detection
RT x-ray dosimetry
RT x-ray spectrometers

X-RAY DIFFRACTION
UF *diffraction (x-ray)*
UF *xrd*
*BT1 diffraction
RT bragg reflection
RT crystallography
RT debye-scherrer method
RT diffuse scattering
RT laue method
RT structural chemical analysis
RT x-ray diffractometers

X-RAY DIFFRACTOMETERS
*BT1 diffractometers
RT crystallography
RT diffraction methods
RT gamma diffractometers
RT structural chemical analysis
RT x-ray diffraction

X-RAY DOSIMETRY
BT1 dosimetry
RT x-ray detection

X-RAY EMISSION ANALYSIS
UF *particle-induced x-ray emission analysis*
*BT1 nondestructive analysis
NT1 pixe analysis
NT1 x-ray fluorescence analysis
RT electron probes
RT quantitative chemical analysis
RT x-ray spectroscopy

X-RAY EQUIPMENT
BT1 equipment
NT1 x-ray tubes
RT biomedical radiography
RT diagnostic techniques
RT diffraction gratings
RT electronic equipment
RT x-ray sources

X-RAY FLUORESCENCE ANALYSIS
UF *xeqf spectroscopy*
*BT1 x-ray emission analysis
RT fluorescence
RT fluorescence spectroscopy
RT quantitative chemical analysis
RT x radiation
RT x-ray fluorescence analyzers
RT x-ray fluorescence logging

X-RAY FLUORESCENCE ANALYZERS
RT x-ray fluorescence analysis

X-RAY FLUORESCENCE LOGGING
INIS: Nov 1978; ETDE: Mar 1977
*BT1 radioactivity logging
RT x-ray fluorescence analysis

X-RAY GALAXIES
INIS: Sep 1975; ETDE: Aug 1976
(Galaxies that emit most of their radiative power in the form of x-rays.)
*BT1 cosmic x-ray sources
BT1 galaxies
RT cosmic photons
RT cosmic radiation

X-RAY LASERS
INIS: Jul 1978; ETDE: Mar 1978
UF *x-rasers*
BT1 lasers

x-ray photoelectron spectrometry
Use x-ray photoelectron spectroscopy

X-RAY PHOTOELECTRON SPECTROSCOPY
Nov 2002
UF *esca*
UF *x-ray photoelectron spectrometry*
UF *xps*
*BT1 photoelectron spectroscopy
RT electron spectra
RT x radiation

X-RAY RADIOGRAPHY
*BT1 industrial radiography
RT biomedical radiography

x-ray radiography (biomedical)
Use biomedical radiography

X-RAY SOURCES
(For cosmic sources of x radiation use COSMIC X-RAY SOURCES.)
BT1 radiation sources
RT advanced light source
RT advanced photon source
RT nsls
RT swiss light source
RT synchrotron radiation sources
RT x-ray equipment

X-RAY SPECTRA
BT1 spectra
RT x-ray spectroscopy

X-RAY SPECTROMETERS
*BT1 spectrometers
RT x-ray detection

x-ray spectrometry
Use x-ray spectroscopy

X-RAY SPECTROSCOPY
UF *x-ray spectrometry*
BT1 spectroscopy
RT x radiation
RT x-ray emission analysis
RT x-ray spectra

x-ray transmission scanning
Use photon transmission scanning

X-RAY TUBES
BT1 electron tubes
*BT1 x-ray equipment

x-zero resonances
Use eta prime-958 mesons

XANTHAN GUM
INIS: Sep 2000; ETDE: Nov 1999
UF *xanthum gum*
*BT1 polysaccharides

XANTHATES
*BT1 organic sulfur compounds
NT1 viscose

XANTHINES
*BT1 organic oxygen compounds
*BT1 purines
NT1 caffeine
NT1 theobromine
NT1 theophylline
NT1 uric acid
RT hypoxanthine

xanthum gum
Use xanthan gum

XAPR REACTOR
Aug 2003
(Xi'an, China)
*BT1 pool type reactors
*BT1 pulsed reactors
*BT1 research reactors

xc-224
Use mar-m509 alloys

xc-224fe
Use mar-m509 alloys

xds computers
Use computers

XE-2 REACTOR
INIS: Apr 2000; ETDE: Apr 1975
UF *ground experimental engine experiment-2*
*BT1 experimental reactors
*BT1 space propulsion reactors
RT hydrogen cooled reactors
RT nerva reactor

XE-PRIME REACTOR
INIS: Apr 2000; ETDE: Dec 1974
UF *ground experimental engine experiment*
*BT1 experimental reactors
*BT1 hydrogen cooled reactors
*BT1 propulsion reactors

XENOBIOTICS
INIS: Feb 1981; ETDE: Mar 1981
RT additives
RT detergents
RT drugs
RT nutrients
RT organic polymers

XENON
*BT1 rare gases

XENON 110
INIS: Apr 1986; ETDE: Sep 1981
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 xenon isotopes

XENON 111
INIS: Apr 1980; ETDE: May 1980
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 xenon isotopes

XENON 112
INIS: Apr 1979; ETDE: May 1979
*BT1 alpha decay radioisotopes
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 xenon isotopes

XENON 113
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 xenon isotopes

XENON 114
INIS: Feb 1978; ETDE: May 1978
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 xenon isotopes

XENON 115
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 xenon isotopes

XENON 116
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 xenon isotopes

XENON 117
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 xenon isotopes

XENON 118
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 xenon isotopes

XENON 119
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 xenon isotopes

XENON 120
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 xenon isotopes

XENON 121
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 xenon isotopes

XENON 122
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 xenon isotopes

XENON 123
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 xenon isotopes

XENON 123 TARGET
INIS: Dec 1975; ETDE: Jul 1976
BT1 targets

XENON 124
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 xenon isotopes

XENON 124 TARGET
INIS: Feb 1976; ETDE: Jul 1976
BT1 targets

XENON 125
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 seconds living radioisotopes
*BT1 xenon isotopes

XENON 125 TARGET
INIS: Jul 1978; ETDE: Sep 1978
BT1 targets

XENON 126
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 xenon isotopes

XENON 126 TARGET
INIS: Feb 1976; ETDE: Jul 1976
BT1 targets

XENON 127
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 xenon isotopes

XENON 127 TARGET
INIS: Feb 1979; ETDE: Mar 1979
BT1 targets

XENON 128
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 xenon isotopes

XENON 128 TARGET
INIS: Oct 1975; ETDE: Jul 1976
BT1 targets

XENON 129
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 stable isotopes
*BT1 xenon isotopes

XENON 129 BEAMS
INIS: Jul 1976; ETDE: Nov 1976
*BT1 ion beams

XENON 129 REACTIONS
INIS: Jul 1976; ETDE: Nov 1976
*BT1 heavy ion reactions

XENON 129 TARGET
INIS: May 1984; ETDE: Jun 1984
BT1 targets

XENON 130
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 xenon isotopes

XENON 130 TARGET
INIS: Oct 1975; ETDE: Jul 1976
BT1 targets

XENON 131
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 stable isotopes
*BT1 xenon isotopes

XENON 131 BEAMS
INIS: Feb 1977; ETDE: Apr 1977
*BT1 ion beams

XENON 131 TARGET
INIS: Apr 1979; ETDE: Jun 1977
BT1 targets

XENON 132
*BT1 even-even nuclei
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 xenon isotopes

XENON 132 BEAMS
INIS: Jan 1979; ETDE: Feb 1979
*BT1 ion beams

XENON 132 REACTIONS
INIS: Feb 1977; ETDE: Apr 1977
*BT1 heavy ion reactions

XENON 132 TARGET
INIS: Oct 1975; ETDE: Jul 1976
BT1 targets

XENON 133
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 xenon isotopes

XENON 134
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 xenon isotopes

XENON 134 REACTIONS
INIS: Sep 1983; ETDE: Sep 1983
*BT1 heavy ion reactions

XENON 134 TARGET
INIS: Oct 1975; ETDE: Jul 1976
BT1 targets

XENON 135
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 xenon isotopes

XENON 136
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 xenon isotopes
RT xenon 136 beams

XENON 136 BEAMS
*BT1 ion beams
RT xenon 136

XENON 136 REACTIONS
*BT1 heavy ion reactions

XENON 136 TARGET
INIS: Oct 1975; ETDE: Jul 1976
BT1 targets

XENON 137
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 xenon isotopes

XENON 138
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 xenon isotopes

XENON 139
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 xenon isotopes

XENON 140
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 xenon isotopes

XENON 141
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 xenon isotopes

XENON 142
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 xenon isotopes

XENON 143
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 xenon isotopes

XENON 144
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 xenon isotopes

XENON 145
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 xenon isotopes

XENON 146
INIS: Sep 1992; ETDE: Mar 1976
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 xenon isotopes

XENON BROMIDES
*BT1 bromides
*BT1 xenon compounds

XENON CHLORIDES
*BT1 chlorides
*BT1 xenon compounds

XENON COMPLEXES
BT1 complexes

XENON COMPOUNDS
UF+ *xenon hydrides*
BT1 rare gas compounds
NT1 xenon bromides
NT1 xenon chlorides
NT1 xenon fluorides
NT1 xenon iodides
NT1 xenon oxides

xenon effect
Use poisoning

XENON FLUORIDES
*BT1 fluorides
*BT1 xenon compounds

xenon hydrides
Use hydrides
AND xenon compounds

XENON IODIDES
INIS: Nov 1980; ETDE: Oct 1978
*BT1 iodides
*BT1 xenon compounds

XENON IONS
*BT1 ions

XENON ISOTOPES
BT1 isotopes
NT1 xenon 110
NT1 xenon 111
NT1 xenon 112
NT1 xenon 113
NT1 xenon 114
NT1 xenon 115
NT1 xenon 116
NT1 xenon 117
NT1 xenon 118
NT1 xenon 119
NT1 xenon 120
NT1 xenon 121
NT1 xenon 122
NT1 xenon 123
NT1 xenon 124
NT1 xenon 125
NT1 xenon 126
NT1 xenon 127
NT1 xenon 128
NT1 xenon 129
NT1 xenon 130
NT1 xenon 131
NT1 xenon 132
NT1 xenon 133
NT1 xenon 134
NT1 xenon 135
NT1 xenon 136
NT1 xenon 137
NT1 xenon 138
NT1 xenon 139
NT1 xenon 140
NT1 xenon 141
NT1 xenon 142
NT1 xenon 143
NT1 xenon 144
NT1 xenon 145
NT1 xenon 146

XENON OSCILLATIONS
INIS: Apr 1984; ETDE: Feb 1975
(Effects of fission product xenon levels on reactor operation.)
BT1 poisoning
RT nuclear poisons
RT oscillations
RT reactor poison removal

XENON OXIDES
*BT1 oxides
*BT1 xenon compounds

XENOTIME
*BT1 phosphate minerals
RT granites
RT pegmatites
RT yttrium phosphates

xeqf spectroscopy
Use x-ray fluorescence analysis

xeroderma pigmentosum
Use congenital diseases
AND hereditary diseases
AND skin diseases

xeroderma pigmentosum cells
Use xp cells

XEROGRAPHY
UF *xeroradiography*
RT electrostatics
RT photography

xeroradiography
Use xerography

xerox data systems computers
Use computers

XI-1530 BARYONS
(Prior to December 1987 this concept was indexed by XI-1530 RESONANCES.)
UF *xi-1530 resonances*
*BT1 xi baryons

xi-1530 resonances
Use xi-1530 baryons

XI-1690 BARYONS
INIS: Jul 1995; ETDE: Jul 1995
*BT1 xi baryons

XI-1820 BARYONS
(Prior to December 1987 this concept was indexed by XI-1820 RESONANCES.)
UF *xi-1820 resonances*
*BT1 xi baryons

xi-1820 resonances
Use xi-1820 baryons

xi-1930 resonances
Use xi-1950 baryons

xi-1940 baryons
Use xi-1950 baryons

XI-1950 BARYONS
(Until December 1987 this concept was indexed by XI-1930 RESONANCES; from then until July 1995 it was indexed by XI-1940 BARYONS.)
UF *xi-1930 resonances*
UF *xi-1940 baryons*
*BT1 xi baryons

XI-2030 BARYONS
(Prior to December 1987 this concept was indexed by XI-2030 RESONANCES.)
UF *xi-2030 resonances*
*BT1 xi baryons

xi-2030 resonances
Use xi-2030 baryons

XI-2250 BARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 xi baryons

XI-2500 BARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 xi baryons

XI BARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 hyperons
NT1 xi particles
NT2 antixi particles
NT2 xi minus particles
NT2 xi neutral particles
NT1 xi-1530 baryons
NT1 xi-1690 baryons
NT1 xi-1820 baryons
NT1 xi-1950 baryons
NT1 xi-2030 baryons
NT1 xi-2250 baryons
NT1 xi-2500 baryons

XI C NEUTRAL BARYONS
INIS: Mar 1995; ETDE: Mar 1995
*BT1 charmed baryons

XI C PLUS BARYONS
INIS: Dec 1987; ETDE: Mar 1988
*BT1 charmed baryons

xi minus
Use xi minus particles

XI MINUS PARTICLES
(Prior to August 1985 this concept was indexed by XI-MINUS and from August 1985 to December 1987 by XI MINUS.)
UF *xi minus*
*BT1 xi particles

xi neutral
Use xi neutral particles

XI NEUTRAL PARTICLES
(Prior to August 1985 this concept was indexed by XI-NEUTRAL and from August 1985 to December 1987 by XI NEUTRAL.)
UF *xi neutral*

*BT1 xi particles

xi particle beams
Use hyperon beams

XI PARTICLES
*BT1 xi baryons
NT1 antixi particles
NT1 xi minus particles
NT1 xi neutral particles

XMA-1 REACTOR
INIS: Apr 2000; ETDE: Jan 1975
*BT1 air cooled reactors
*BT1 aircraft propulsion reactors
*BT1 enriched uranium reactors
*BT1 experimental reactors
*BT1 hydride moderated reactors

XP CELLS
INIS: Jul 1976; ETDE: Sep 1976
(Xeroderma pigmentosum cells. From January 1978 till March 1997 XERODERMA PIGMENTOSUM was a valid ETDE descriptor.)
UF *xeroderma pigmentosum cells*
BT1 animal cells

xps
Use x-ray photoelectron spectroscopy

xrd
Use x-ray diffraction

xuv
Use extreme ultraviolet radiation

XYLANASE
INIS: Apr 2000; ETDE: Jan 1981
UF *xylanases*
*BT1 o-glycosyl hydrolases

xylanases
Use xylanase

XYLANS
INIS: Apr 2000; ETDE: Apr 1979
(Major hemicellulose of hard woods.)
*BT1 hemicellulose
RT biomass
RT lignin
RT trees
RT wood

XYLENE-PARA
*BT1 xylenes

XYLENES
UF *dimethylbenzenes*
*BT1 alkylated aromatics
*BT1 hydrocarbons
NT1 xylene-para

XYLENOL ORANGE
BT1 dyes
BT1 indicators

XYLENOLS
INIS: Apr 2000; ETDE: Jan 1975
UF *dimethylphenols*
UF *hydroxyxylenes*
*BT1 phenols

XYLOSE
*BT1 aldehydes
*BT1 pentoses
RT wood

Y

Y-12 PLANT
*BT1 us aec
*BT1 us doe
*BT1 us erda
RT oak ridge
RT oak ridge reservation
RT tennessee

Y CHROMOSOME
(Prior to April 1980 this concept was indexed to HETEROCHROMOSOMES in ETDE.)
*BT1 heterochromosomes
NT1 human y chromosome

Y CODES
BT1 computer codes

y*resonances
Use baryons

yamaguchi nonlocal potential
Use yamaguchi potential

YAMAGUCHI POTENTIAL
UF *yamaguchi nonlocal potential*
*BT1 nucleon-nucleon potential
RT nucleons

YAMS
(Tuberous root of plants of the genus Dioscorea.)
*BT1 magnoliopsida
*BT1 vegetables

YANG-FELDMAN FORMALISM
RT quantum field theory
RT s matrix

yang-lee distribution
Use lee-yang theory

YANG-MILLS THEORY
RT instantons
RT isospin
RT quantum chromodynamics
RT quantum field theory
RT wilson loop

YANG THEOREM
RT angular distribution
RT nuclear reactions

YANGTZE RIVER
INIS: Jun 1992; ETDE: Aug 1980
*BT1 rivers
RT china

yankee connecticut reactor
Use connecticut yankee reactor

yankee event
Use atmospheric explosions
AND nuclear explosions

yankee maine reactor
Use maine yankee reactor

yankee rowe reactor
Use rowe yankee reactor

yankee vermont reactor
Use vermont yankee reactor

YAYOI REACTOR
*BT1 fast reactors
*BT1 research and test reactors

YEARS LIVING RADIOISOTOPES
*BT1 radioisotopes
NT1 actinium 227
NT1 aluminium 26
NT1 americium 241
NT1 americium 242
NT1 americium 243
NT1 antimony 125
NT1 argon 39
NT1 argon 42
NT1 barium 133
NT1 berkelium 247
NT1 beryllium 10
NT1 bismuth 207
NT1 bismuth 208
NT1 bismuth 210
NT1 cadmium 109
NT1 cadmium 113
NT1 calcium 41
NT1 californium 249
NT1 californium 250
NT1 californium 251
NT1 californium 252
NT1 carbon 14
NT1 cesium 134
NT1 cesium 135
NT1 cesium 137
NT1 chlorine 36
NT1 cobalt 60
NT1 curium 243
NT1 curium 244
NT1 curium 245
NT1 curium 246
NT1 curium 247
NT1 curium 248
NT1 curium 250
NT1 dysprosium 154
NT1 einsteinium 252
NT1 europium 150
NT1 europium 152
NT1 europium 154
NT1 europium 155
NT1 gadolinium 148
NT1 gadolinium 150
NT1 gadolinium 152
NT1 hafnium 172
NT1 hafnium 174
NT1 hafnium 178
NT1 hafnium 182
NT1 holmium 163
NT1 holmium 166
NT1 indium 115
NT1 iodine 129
NT1 iridium 192
NT1 iron 55
NT1 iron 60
NT1 krypton 81
NT1 krypton 85
NT1 lanthanum 137
NT1 lanthanum 138
NT1 lead 202
NT1 lead 205
NT1 lead 210
NT1 lutetium 173
NT1 lutetium 174
NT1 lutetium 176
NT1 manganese 53
NT1 mercury 194
NT1 molybdenum 93
NT1 neodymium 144
NT1 neptunium 235
NT1 neptunium 236
NT1 neptunium 237
NT1 nickel 59
NT1 nickel 63
NT1 niobium 91
NT1 niobium 92
NT1 niobium 93
NT1 niobium 94

NT1 osmium 186
NT1 osmium 194
NT1 palladium 107
NT1 platinum 190
NT1 platinum 193
NT1 plutonium 236
NT1 plutonium 238
NT1 plutonium 239
NT1 plutonium 240
NT1 plutonium 241
NT1 plutonium 242
NT1 plutonium 244
NT1 polonium 208
NT1 polonium 209
NT1 potassium 40
NT1 promethium 144
NT1 promethium 145
NT1 promethium 146
NT1 promethium 147
NT1 protactinium 231
NT1 radium 226
NT1 radium 228
NT1 rhenium 186
NT1 rhenium 187
NT1 rhodium 101
NT1 rubidium 87
NT1 ruthenium 106
NT1 samarium 146
NT1 samarium 147
NT1 samarium 148
NT1 samarium 151
NT1 selenium 79
NT1 silicon 32
NT1 silver 108
NT1 sodium 22
NT1 strontium 90
NT1 tantalum 179
NT1 technetium 97
NT1 technetium 98
NT1 technetium 99
NT1 tellurium 123
NT1 terbium 157
NT1 terbium 158
NT1 thallium 204
NT1 thorium 228
NT1 thorium 229
NT1 thorium 230
NT1 thorium 232
NT1 thulium 171
NT1 tin 121
NT1 tin 126
NT1 titanium 44
NT1 tritium
NT1 uranium 232
NT1 uranium 233
NT1 uranium 234
NT1 uranium 235
NT1 uranium 236
NT1 uranium 238
NT1 vanadium 50
NT1 zirconium 93
RT half-life
RT lifetime

YEASTS
*BT1 eumycota
BT1 microorganisms
NT1 candida
NT1 saccharomyces
NT2 saccharomyces cerevisiae
NT1 torula
RT pheromone
RT zymosan

YEELIRRIE DEPOSIT
INIS: Dec 1980; ETDE: Jan 1981
*BT1 uranium deposits
RT uranium ores
RT western australia

yellow cake
Use uranium oxides u3o8

YELLOW CREEK
INIS: Jun 1992; ETDE: May 1975
*BT1 rivers
RT colorado
RT yellow creek basin

YELLOW CREEK-1 REACTOR
INIS: Nov 1977; ETDE: Aug 1976
(Corinth, Mississippi, USA)
*BT1 pwr type reactors

YELLOW CREEK-2 REACTOR
INIS: Nov 1977; ETDE: Aug 1976
(Corinth, Mississippi, USA)
*BT1 pwr type reactors

YELLOW CREEK BASIN
INIS: Apr 2000; ETDE: Jun 1975
BT1 watersheds
RT colorado
RT yellow creek

YELLOW RIVER
*BT1 rivers
RT china

YELLOWSTONE NATIONAL PARK
INIS: Jun 1992; ETDE: Jan 1975
SF *parks*
BT1 public lands
RT idaho
RT montana
RT snake river plain
RT wyoming

YEMEN
INIS: Nov 1991; ETDE: Nov 1991
UF *north yemen*
UF *peoples democratic republic of yemen*
UF *south yemen*
UF *southern yemen*
UF *yemen arab republic*
UF *yemen, southern*
BT1 arab countries
BT1 asia
BT1 developing countries
BT1 middle east

yemen arab republic
Use yemen

yemen, southern
Use yemen

yerevan synchrotron
Use erevan synchrotron

yield (biological)
Use productivity

yield (chemical reaction)
Use chemical reaction yield

yield (fission)
Use fission yield

yield (fusion)
Use fusion yield

yield (nuclear reaction)
Use nuclear reaction yield

YIELD STRENGTH
UF *strength (yield)*
BT1 mechanical properties
RT tensile properties

YIELDS
INIS: Mar 1993; ETDE: May 1975
(Use of a more specific descriptor is recommended.)
NT1 chemical reaction yield
NT1 gas yields
NT1 nuclear reaction yield
NT2 fission yield
NT2 fusion yield
NT1 oil yields
RT productivity

yolk
Use eggs

YONGGWANG-1 REACTOR
INIS: Nov 2000; ETDE: Nov 1999
(Yonggwang, Republic of Korea)
*BT1 pwr type reactors

YONGGWANG-2 REACTOR
INIS: Nov 2000; ETDE: Nov 1999
(Yonggwang, Republic of Korea)
*BT1 pwr type reactors

YONGGWANG-3 REACTOR
INIS: Oct 1997; ETDE: Feb 1998
(Yonggwang, Republic of Korea)
*BT1 pwr type reactors

YONGGWANG-4 REACTOR
INIS: Oct 1997; ETDE: Feb 1998
(Yonggwang, Republic of Korea)
*BT1 pwr type reactors

yoshida sarcoma
Use experimental neoplasms

YOUNG DIAGRAM
*BT1 diagrams
RT group theory

YOUNG MODEL
RT transport theory

YOUNG MODULUS
BT1 mechanical properties
RT elasticity
RT hooke law

YRAST STATES
(The lowest energy states for given angular momenta.)
BT1 energy levels
RT angular momentum
RT backbending
RT moment of inertia
RT nuclear structure

YTTERBIUM
*BT1 rare earths

YTTERBIUM 150
INIS: Apr 1985; ETDE: May 1985
*BT1 even-even nuclei
*BT1 rare earth nuclei
BT1 ytterbium isotopes

YTTERBIUM 151
INIS: Oct 1985; ETDE: Nov 1984
*BT1 even-odd nuclei
*BT1 rare earth nuclei
BT1 ytterbium isotopes

YTTERBIUM 152
INIS: Dec 1980; ETDE: Sep 1980
*BT1 even-even nuclei
*BT1 rare earth nuclei
BT1 ytterbium isotopes

YTTERBIUM 153
INIS: Jun 1977; ETDE: Oct 1977
- *BT1 beta-plus decay radioisotopes
- *BT1 electron capture radioisotopes
- *BT1 even-odd nuclei
- *BT1 isomeric transition isotopes
- *BT1 microseconds living radioisotopes
- *BT1 rare earth nuclei
- *BT1 seconds living radioisotopes
- BT1 ytterbium isotopes

YTTERBIUM 154
INIS: Oct 1976; ETDE: Jul 1976
- *BT1 alpha decay radioisotopes
- *BT1 even-even nuclei
- *BT1 milliseconds living radioisotopes
- *BT1 rare earth nuclei
- BT1 ytterbium isotopes

YTTERBIUM 155
INIS: Jan 1976; ETDE: Sep 1975
- *BT1 alpha decay radioisotopes
- *BT1 electron capture radioisotopes
- *BT1 even-odd nuclei
- *BT1 rare earth nuclei
- *BT1 seconds living radioisotopes
- BT1 ytterbium isotopes

YTTERBIUM 156
INIS: Nov 1976; ETDE: Sep 1976
- *BT1 alpha decay radioisotopes
- *BT1 electron capture radioisotopes
- *BT1 even-even nuclei
- *BT1 rare earth nuclei
- *BT1 seconds living radioisotopes
- BT1 ytterbium isotopes

YTTERBIUM 157
INIS: Jul 1976; ETDE: Jan 1975
- *BT1 alpha decay radioisotopes
- *BT1 electron capture radioisotopes
- *BT1 even-odd nuclei
- *BT1 rare earth nuclei
- *BT1 seconds living radioisotopes
- BT1 ytterbium isotopes

YTTERBIUM 158
- *BT1 alpha decay radioisotopes
- *BT1 beta-plus decay radioisotopes
- *BT1 electron capture radioisotopes
- *BT1 even-even nuclei
- *BT1 minutes living radioisotopes
- *BT1 rare earth nuclei
- BT1 ytterbium isotopes

YTTERBIUM 159
- *BT1 electron capture radioisotopes
- *BT1 even-odd nuclei
- *BT1 minutes living radioisotopes
- *BT1 rare earth nuclei
- BT1 ytterbium isotopes

YTTERBIUM 160
- *BT1 beta-plus decay radioisotopes
- *BT1 electron capture radioisotopes
- *BT1 even-even nuclei
- *BT1 minutes living radioisotopes
- *BT1 rare earth nuclei
- BT1 ytterbium isotopes

YTTERBIUM 161
- *BT1 beta-plus decay radioisotopes
- *BT1 electron capture radioisotopes
- *BT1 even-odd nuclei
- *BT1 minutes living radioisotopes
- *BT1 rare earth nuclei
- BT1 ytterbium isotopes

YTTERBIUM 162
- *BT1 beta-plus decay radioisotopes
- *BT1 electron capture radioisotopes
- *BT1 even-even nuclei
- *BT1 minutes living radioisotopes
- *BT1 rare earth nuclei
- BT1 ytterbium isotopes

YTTERBIUM 163
- *BT1 beta-plus decay radioisotopes
- *BT1 electron capture radioisotopes
- *BT1 even-odd nuclei
- *BT1 minutes living radioisotopes
- *BT1 rare earth nuclei
- BT1 ytterbium isotopes

YTTERBIUM 164
- *BT1 electron capture radioisotopes
- *BT1 even-even nuclei
- *BT1 hours living radioisotopes
- *BT1 internal conversion radioisotopes
- *BT1 rare earth nuclei
- BT1 ytterbium isotopes

YTTERBIUM 165
- *BT1 beta-plus decay radioisotopes
- *BT1 electron capture radioisotopes
- *BT1 even-odd nuclei
- *BT1 internal conversion radioisotopes
- *BT1 minutes living radioisotopes
- *BT1 rare earth nuclei
- BT1 ytterbium isotopes

YTTERBIUM 166
- *BT1 days living radioisotopes
- *BT1 electron capture radioisotopes
- *BT1 even-even nuclei
- *BT1 internal conversion radioisotopes
- *BT1 rare earth nuclei
- BT1 ytterbium isotopes

YTTERBIUM 167
- *BT1 beta-plus decay radioisotopes
- *BT1 electron capture radioisotopes
- *BT1 even-odd nuclei
- *BT1 minutes living radioisotopes
- *BT1 rare earth nuclei
- BT1 ytterbium isotopes

YTTERBIUM 168
- *BT1 even-even nuclei
- *BT1 rare earth nuclei
- *BT1 stable isotopes
- BT1 ytterbium isotopes

YTTERBIUM 168 TARGET
- BT1 targets

YTTERBIUM 169
- *BT1 days living radioisotopes
- *BT1 electron capture radioisotopes
- *BT1 even-odd nuclei
- *BT1 isomeric transition isotopes
- *BT1 rare earth nuclei
- *BT1 seconds living radioisotopes
- BT1 ytterbium isotopes

YTTERBIUM 169 TARGET
INIS: Sep 1992; ETDE: Mar 1982
- BT1 targets

YTTERBIUM 170
- *BT1 even-even nuclei
- *BT1 rare earth nuclei
- *BT1 stable isotopes
- BT1 ytterbium isotopes

YTTERBIUM 170 TARGET
- BT1 targets

YTTERBIUM 171
- *BT1 even-odd nuclei
- *BT1 rare earth nuclei
- *BT1 stable isotopes
- BT1 ytterbium isotopes

YTTERBIUM 171 TARGET
- BT1 targets

YTTERBIUM 172
- *BT1 even-even nuclei
- *BT1 rare earth nuclei
- *BT1 stable isotopes
- BT1 ytterbium isotopes

YTTERBIUM 172 TARGET
- BT1 targets

YTTERBIUM 173
- *BT1 even-odd nuclei
- *BT1 rare earth nuclei
- *BT1 stable isotopes
- BT1 ytterbium isotopes

YTTERBIUM 173 TARGET
- BT1 targets

YTTERBIUM 174
- *BT1 even-even nuclei
- *BT1 rare earth nuclei
- *BT1 stable isotopes
- BT1 ytterbium isotopes

YTTERBIUM 174 TARGET
- BT1 targets

YTTERBIUM 175
- *BT1 beta-minus decay radioisotopes
- *BT1 days living radioisotopes
- *BT1 even-odd nuclei
- *BT1 isomeric transition isotopes
- *BT1 milliseconds living radioisotopes
- *BT1 rare earth nuclei
- BT1 ytterbium isotopes

YTTERBIUM 176
- *BT1 even-even nuclei
- *BT1 isomeric transition isotopes
- *BT1 rare earth nuclei
- *BT1 seconds living radioisotopes
- *BT1 stable isotopes
- BT1 ytterbium isotopes

YTTERBIUM 176 TARGET
- BT1 targets

YTTERBIUM 177
- *BT1 beta-minus decay radioisotopes
- *BT1 even-odd nuclei
- *BT1 hours living radioisotopes
- *BT1 internal conversion radioisotopes
- *BT1 isomeric transition isotopes
- *BT1 rare earth nuclei
- *BT1 seconds living radioisotopes
- BT1 ytterbium isotopes

YTTERBIUM 178
- *BT1 beta-minus decay radioisotopes
- *BT1 even-even nuclei
- *BT1 hours living radioisotopes
- *BT1 rare earth nuclei
- BT1 ytterbium isotopes

YTTERBIUM 179
INIS: Jun 1982; ETDE: Jun 1982
- *BT1 beta-minus decay radioisotopes
- *BT1 even-odd nuclei
- *BT1 minutes living radioisotopes
- *BT1 rare earth nuclei
- BT1 ytterbium isotopes

YTTERBIUM 180
INIS: Sep 1987; ETDE: Oct 1987
- *BT1 beta-minus decay radioisotopes
- *BT1 even-even nuclei

*BT1 minutes living radioisotopes
*BT1 rare earth nuclei
BT1 ytterbium isotopes

YTTERBIUM ADDITIONS
(Alloys containing not more than 1% Yb are listed here.)
*BT1 rare earth additions
RT ytterbium alloys

YTTERBIUM ALLOYS
(Alloys containing more than 1% Yb.)
*BT1 rare earth alloys
NT1 ytterbium base alloys
RT ytterbium additions

YTTERBIUM BASE ALLOYS
*BT1 ytterbium alloys

YTTERBIUM BORIDES
*BT1 borides
*BT1 ytterbium compounds

YTTERBIUM BROMIDES
*BT1 bromides
*BT1 ytterbium compounds

YTTERBIUM CARBIDES
*BT1 carbides
*BT1 ytterbium compounds

YTTERBIUM CARBONATES
*BT1 carbonates
*BT1 ytterbium compounds

YTTERBIUM CHLORIDES
*BT1 chlorides
*BT1 ytterbium compounds

YTTERBIUM COMPLEXES
*BT1 rare earth complexes

YTTERBIUM COMPOUNDS
BT1 rare earth compounds
NT1 ytterbium borides
NT1 ytterbium bromides
NT1 ytterbium carbides
NT1 ytterbium carbonates
NT1 ytterbium chlorides
NT1 ytterbium fluorides
NT1 ytterbium hydrides
NT1 ytterbium hydroxides
NT1 ytterbium iodides
NT1 ytterbium nitrates
NT1 ytterbium nitrides
NT1 ytterbium oxides
NT1 ytterbium perchlorates
NT1 ytterbium phosphates
NT1 ytterbium phosphides
NT1 ytterbium selenides
NT1 ytterbium silicates
NT1 ytterbium silicides
NT1 ytterbium sulfates
NT1 ytterbium sulfides
NT1 ytterbium tellurides
NT1 ytterbium tungstates

YTTERBIUM FLUORIDES
*BT1 fluorides
*BT1 ytterbium compounds

YTTERBIUM HYDRIDES
*BT1 hydrides
*BT1 ytterbium compounds

YTTERBIUM HYDROXIDES
*BT1 hydroxides
*BT1 ytterbium compounds

YTTERBIUM IODIDES
*BT1 iodides
*BT1 ytterbium compounds

YTTERBIUM IONS
*BT1 ions

YTTERBIUM ISOTOPES
NT1 ytterbium 150
NT1 ytterbium 151
NT1 ytterbium 152
NT1 ytterbium 153
NT1 ytterbium 154
NT1 ytterbium 155
NT1 ytterbium 156
NT1 ytterbium 157
NT1 ytterbium 158
NT1 ytterbium 159
NT1 ytterbium 160
NT1 ytterbium 161
NT1 ytterbium 162
NT1 ytterbium 163
NT1 ytterbium 164
NT1 ytterbium 165
NT1 ytterbium 166
NT1 ytterbium 167
NT1 ytterbium 168
NT1 ytterbium 169
NT1 ytterbium 170
NT1 ytterbium 171
NT1 ytterbium 172
NT1 ytterbium 173
NT1 ytterbium 174
NT1 ytterbium 175
NT1 ytterbium 176
NT1 ytterbium 177
NT1 ytterbium 178
NT1 ytterbium 179
NT1 ytterbium 180

YTTERBIUM NITRATES
*BT1 nitrates
*BT1 ytterbium compounds

YTTERBIUM NITRIDES
*BT1 nitrides
*BT1 ytterbium compounds

YTTERBIUM OXIDES
*BT1 oxides
*BT1 ytterbium compounds

YTTERBIUM PERCHLORATES
INIS: Apr 2000; ETDE: Oct 1975
*BT1 perchlorates
*BT1 ytterbium compounds

YTTERBIUM PHOSPHATES
INIS: Oct 1975; ETDE: Dec 1975
*BT1 phosphates
*BT1 ytterbium compounds

YTTERBIUM PHOSPHIDES
INIS: Jan 1993; ETDE: Sep 1992
*BT1 phosphides
*BT1 ytterbium compounds

YTTERBIUM SELENIDES
INIS: Jan 1977; ETDE: Apr 1977
*BT1 selenides
*BT1 ytterbium compounds

YTTERBIUM SILICATES
*BT1 silicates
*BT1 ytterbium compounds

YTTERBIUM SILICIDES
INIS: Jul 1978; ETDE: Sep 1978
*BT1 silicides
*BT1 ytterbium compounds

YTTERBIUM SULFATES
*BT1 sulfates
*BT1 ytterbium compounds

YTTERBIUM SULFIDES
*BT1 sulfides
*BT1 ytterbium compounds

YTTERBIUM TELLURIDES
INIS: Sep 1987; ETDE: Jan 1976
*BT1 tellurides
*BT1 ytterbium compounds

YTTERBIUM TUNGSTATES
INIS: Feb 1979; ETDE: Mar 1979
*BT1 tungstates
*BT1 ytterbium compounds

yttrialite
Use silicate minerals
AND thorium minerals

YTTRIUM
*BT1 transition elements

YTTRIUM 100
INIS: Jun 1977; ETDE: Oct 1977
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 yttrium isotopes

YTTRIUM 101
INIS: Jun 1984; ETDE: Jan 1981
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 yttrium isotopes

YTTRIUM 102
INIS: Jan 1977; ETDE: Nov 1976
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 yttrium isotopes

YTTRIUM 103
INIS: Jun 1996; ETDE: May 1996
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 yttrium isotopes

YTTRIUM 77
INIS: Dec 1990; ETDE: Jan 1991
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 yttrium isotopes

YTTRIUM 79
INIS: Mar 1992; ETDE: Sep 1992
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 yttrium isotopes

YTTRIUM 80
INIS: May 1980; ETDE: Dec 1979
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 yttrium isotopes

YTTRIUM 81
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei

*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 yttrium isotopes

YTTRIUM 82
*BT1 beta-plus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 yttrium isotopes

YTTRIUM 83
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 yttrium isotopes

YTTRIUM 84
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 yttrium isotopes

YTTRIUM 85
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 yttrium isotopes

YTTRIUM 86
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 internal conversion radioisotopes
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 yttrium isotopes

YTTRIUM 87
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 yttrium isotopes
RT radioisotope generators

YTTRIUM 87 TARGET
INIS: Jan 1977; ETDE: Apr 1977
BT1 targets

YTTRIUM 88
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 yttrium isotopes

YTTRIUM 88 TARGET
INIS: Jan 1977; ETDE: Apr 1977
BT1 targets

YTTRIUM 89
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 stable isotopes
*BT1 yttrium isotopes

YTTRIUM 89 TARGET
BT1 targets

YTTRIUM 90
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 odd-odd nuclei
*BT1 yttrium isotopes

YTTRIUM 91
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 yttrium isotopes

YTTRIUM 92
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 yttrium isotopes

YTTRIUM 93
*BT1 beta-minus decay radioisotopes
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 yttrium isotopes

YTTRIUM 94
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-odd nuclei
*BT1 yttrium isotopes

YTTRIUM 95
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 odd-even nuclei
*BT1 yttrium isotopes

YTTRIUM 96
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 yttrium isotopes

YTTRIUM 97
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 yttrium isotopes

YTTRIUM 98
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 odd-odd nuclei
*BT1 seconds living radioisotopes
*BT1 yttrium isotopes

YTTRIUM 99
*BT1 beta-minus decay radioisotopes
*BT1 intermediate mass nuclei
*BT1 odd-even nuclei
*BT1 seconds living radioisotopes
*BT1 yttrium isotopes

YTTRIUM ADDITIONS
(Alloys containing not more than 1% Y are listed here.)
RT yttrium alloys

YTTRIUM ALLOYS
(Alloys containing more than 1% Y.)
*BT1 transition element alloys
NT1 alloy-c-103
NT1 ge 2541
NT1 yttrium base alloys
RT yttrium additions

yttrium aluminium garnets
Use aluminium oxides
AND ferrite garnets
AND yttrium compounds

yttrium arsenides
Use arsenides
AND yttrium compounds

YTTRIUM BASE ALLOYS
*BT1 yttrium alloys

YTTRIUM BORIDES
*BT1 borides
*BT1 yttrium compounds

YTTRIUM BROMIDES
*BT1 bromides
*BT1 yttrium compounds

YTTRIUM CARBIDES
*BT1 carbides
*BT1 yttrium compounds

YTTRIUM CARBONATES
*BT1 carbonates
*BT1 yttrium compounds

YTTRIUM CHLORIDES
*BT1 chlorides
*BT1 yttrium compounds

YTTRIUM COMPLEXES
*BT1 transition element complexes

YTTRIUM COMPOUNDS
UF+ *yttrium aluminium garnets*
UF+ *yttrium arsenides*
BT1 transition element compounds
NT1 yttrium borides
NT1 yttrium bromides
NT1 yttrium carbides
NT1 yttrium carbonates
NT1 yttrium chlorides
NT1 yttrium fluorides
NT1 yttrium hydrides
NT1 yttrium hydroxides
NT1 yttrium iodides
NT1 yttrium nitrates
NT1 yttrium nitrides
NT1 yttrium oxides
NT2 alloy-in-853
NT1 yttrium perchlorates
NT1 yttrium phosphates
NT1 yttrium phosphides
NT1 yttrium selenides
NT1 yttrium silicates
NT1 yttrium silicides
NT1 yttrium sulfates
NT1 yttrium sulfides
NT1 yttrium tellurides
NT1 yttrium tungstates

YTTRIUM FLUORIDES
*BT1 fluorides

*BT1 yttrium compounds

YTTRIUM HYDRIDES
*BT1 hydrides
*BT1 yttrium compounds

YTTRIUM HYDROXIDES
*BT1 hydroxides
*BT1 yttrium compounds

YTTRIUM IODIDES
*BT1 iodides
*BT1 yttrium compounds

YTTRIUM IONS
*BT1 ions

YTTRIUM ISOTOPES
BT1 isotopes
NT1 yttrium 100
NT1 yttrium 101
NT1 yttrium 102
NT1 yttrium 103
NT1 yttrium 77
NT1 yttrium 79
NT1 yttrium 80
NT1 yttrium 81
NT1 yttrium 82
NT1 yttrium 83
NT1 yttrium 84
NT1 yttrium 85
NT1 yttrium 86
NT1 yttrium 87
NT1 yttrium 88
NT1 yttrium 89
NT1 yttrium 90
NT1 yttrium 91
NT1 yttrium 92
NT1 yttrium 93
NT1 yttrium 94
NT1 yttrium 95
NT1 yttrium 96
NT1 yttrium 97
NT1 yttrium 98
NT1 yttrium 99

YTTRIUM NITRATES
*BT1 nitrates
*BT1 yttrium compounds

YTTRIUM NITRIDES
*BT1 nitrides
*BT1 yttrium compounds

YTTRIUM ORES
BT1 ores

YTTRIUM OXIDES
*BT1 oxides
*BT1 yttrium compounds
NT1 alloy-in-853

YTTRIUM PERCHLORATES
INIS: Sep 1991; ETDE: Jan 1975
*BT1 perchlorates
*BT1 yttrium compounds

YTTRIUM PHOSPHATES
*BT1 phosphates
*BT1 yttrium compounds
RT phosphate minerals
RT xenotime

YTTRIUM PHOSPHIDES
INIS: Jan 1977; ETDE: Aug 1976
*BT1 phosphides
*BT1 yttrium compounds

YTTRIUM SELENIDES
INIS: Apr 2000; ETDE: Nov 1975
*BT1 selenides
*BT1 yttrium compounds

YTTRIUM SILICATES
*BT1 silicates
*BT1 yttrium compounds
RT kainosite
RT silicate minerals

YTTRIUM SILICIDES
INIS: Jul 1977; ETDE: May 1976
*BT1 silicides
*BT1 yttrium compounds

YTTRIUM SULFATES
*BT1 sulfates
*BT1 yttrium compounds

YTTRIUM SULFIDES
*BT1 sulfides
*BT1 yttrium compounds

YTTRIUM TELLURIDES
INIS: Nov 1978; ETDE: Nov 1975
*BT1 tellurides
*BT1 yttrium compounds

YTTRIUM TUNGSTATES
INIS: Feb 1980; ETDE: Mar 1980
*BT1 tungstates
*BT1 yttrium compounds

YUCCA MOUNTAIN
INIS: Jan 1985; ETDE: Jun 1984
BT1 mountains
RT nevada
RT nevada test site
RT radioactive waste disposal

yugoslav triga-mk-2 reactor
Use triga-2-ljubljana reactor

yugoslav triga-mk-ii reactor
Use triga-2-ljubljana reactor

YUGOSLAVIA
BT1 developing countries
*BT1 eastern europe
RT danube river

yugoslavia (macedonia)
Use the former yugoslav republic of macedonia

yugoslavia r-a reactor vinca
Use r-a reactor

yugoslavia r-b reactor vinca
Use r-b reactor

YUKAWA NONLOCAL THEORY
UF *non-local quantum field theory*
UF *nonlocal quantum field theory*
*BT1 quantum field theory

YUKAWA POTENTIAL
*BT1 nuclear potential
RT nucleon-nucleon potential
RT nucleons

YUKON RIVER
INIS: Jun 1992; ETDE: Oct 1978
*BT1 rivers
RT alaska

YUKON TERRITORY
INIS: Jan 1979; ETDE: Feb 1979
*BT1 canada

YVON METHOD
BT1 calculation methods
RT neutron transport theory
RT spherical harmonics
RT transport theory

Z

Z CENTERS
*BT1 color centers

Z CODES
BT1 computer codes

Z NEUTRAL BOSONS
INIS: Mar 1986; ETDE: Oct 1985
(Prior to October 1985 this concept was indexed to INTERMEDIATE VECTOR BOSONS in ETDE.)
*BT1 intermediate vector bosons

z pinch devices (linear)
Use linear z pinch devices

Z*BARYONS
(Prior to December 1987 this concept was indexed by Z*RESONANCES.)
UF *z*resonances*
*BT1 hyperons

z*resonances
Use z*baryons

ZACHARIASEN MODEL
RT quantum field theory

zaire republic
Use democratic republic of the congo

ZAMAK
INIS: Apr 2000; ETDE: Dec 1974
*BT1 aluminium alloys
*BT1 cadmium additions
*BT1 copper alloys
*BT1 iron additions
*BT1 magnesium additions
*BT1 tin additions
*BT1 zinc base alloys

ZAMBIA
UF *northern rhodesia*
UF *rhodesia (northern)*
BT1 africa
BT1 developing countries

ZAPOROZHE-1 REACTOR
INIS: Aug 1984; ETDE: Sep 1984
(Ukraine)
*BT1 wwer type reactors

ZAPOROZHE-2 REACTOR
INIS: Dec 1986; ETDE: Feb 1987
(Ukraine)
*BT1 wwer type reactors

ZAPOROZHE-3 REACTOR
INIS: Jan 1990; ETDE: Feb 1990
(Ukraine)
*BT1 wwer type reactors

ZAPOROZHE-4 REACTOR
INIS: Jan 1990; ETDE: Feb 1990
(Ukraine)
*BT1 wwer type reactors

ZAPOROZHE-5 REACTOR
INIS: Feb 2001; ETDE: Nov 1999
(Ukraine)
*BT1 wwer type reactors

ZAPOROZHE-6 REACTOR
INIS: Feb 2001; ETDE: Nov 1999
(Ukraine)
*BT1 wwer type reactors

zarnowiec reactor
Use wwr type reactors

zea mays
Use maize

ZEBRA REACTOR
(UKAEA, Winfrith, United Kingdom)
UF *zero energy breeder reactor assembly*
*BT1 fbr type reactors
*BT1 research reactors
*BT1 zero power reactors
RT enriched uranium reactors
RT plutonium reactors

ZED-2 REACTOR
UF *chalk river zed-2 reactor*
UF *organic cooled and heavy water moderated chalk river reactor*
UF *organic cooled heavy water moderated chalk river reactor*
*BT1 air cooled reactors
*BT1 heavy water cooled reactors
*BT1 heavy water moderated reactors
*BT1 natural uranium reactors
*BT1 organic cooled reactors
*BT1 tank type reactors
*BT1 thermal reactors

ZEEMAN EFFECT
UF *zeeman resonance*
UF *zeeman spectrum*
UF *zeeman transition*
RT double resonance methods
RT magnetic fields
RT magneto-optical effects
RT paschen-back effect
RT spectral shift

zeeman resonance
Use zeeman effect

zeeman spectrum
Use zeeman effect

zeeman transition
Use zeeman effect

ZEEP REACTOR
UF *zero energy experimental pile*
*BT1 heavy water moderated reactors
*BT1 natural uranium reactors
*BT1 plutonium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 zero power reactors

ZEIN
INIS: Apr 2000; ETDE: Jan 1986
(A protein powder derived from maize that contributes the major portion of the protein nutrient value of corn.)
*BT1 proteins
RT maize

zemach-glauber formalism
See scattering
OR thermal neutrons

zener diodes
Use junction diodes

ZENITH REACTOR
UF *zero energy nitrogen heated thermal reactor*
*BT1 graphite moderated reactors
*BT1 nitrogen cooled reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 zero power reactors
RT enriched uranium reactors
RT plutonium reactors
RT thorium reactors

zentralinstitut fuer isotopen- und strahlenforschung leipzig
Use zfi leipzig

zentralinstitut fuer kernforschung
Use zfk rossendorf

ZEOLITES
(A class of hydrated silicates of aluminium and either sodium or calcium or both. From April 1975 until March 1996 ANALCIME was a valid ETDE descriptor.)
UF *analcime*
*BT1 inorganic ion exchangers
*BT1 silicate minerals
NT1 clinoptilolite
NT1 faujasite
NT1 heulandite
NT1 laumontite
NT1 mordenite
NT1 wairakite
RT desiccants

ZEPHYR REACTOR
UF *zero energy fast reactor-zephyr*
*BT1 fast reactors
*BT1 materials testing reactors
*BT1 natural uranium reactors
*BT1 plutonium reactors
*BT1 zero power reactors

zeran linac
Use linear accelerators

ZERLINA REACTOR
(Bhabha Atomic Research Centre, Trombay, Maharashtra, India)
UF *zero energy reactor for lattice invest. and new assemblies*
*BT1 heavy water moderated reactors
*BT1 organic moderated reactors
*BT1 research reactors
*BT1 thermal reactors
*BT1 zero power reactors

zero energy balance
Use breakeven

zero energy breeder reactor assembly
Use zebra reactor

zero energy experimental pile
Use zeep reactor

zero energy fast reactor-zephyr
Use zephyr reactor

zero energy nitrogen heated thermal reactor
Use zenith reactor

zero energy reactor for lattice invest. and new assemblies
Use zerlina reactor

zero gradient synchrotron
Use zgs

zero gravity
Use weightlessness

zero power critical experiment minerve
Use minerve reactor

zero power reactor (cornell university)
Use zpr reactor

ZERO POWER REACTORS
UF *cepfr-1 reactor*
UF *critical assemblies*
UF *hitrex-2 reactor*
UF *sr-0f reactor*
UF+ *in-core thermionic reactor*
UF+ *itr reactor*
UF+ *thermionic reactor critical experiments*
UF+ *trce(thermionic reactor critical experiments)*
SF *berkeley nuclear laboratory reactor*
SF *bnl reactor*
SF *fcel reactor*
*BT1 experimental reactors
NT1 agata reactor
NT1 akr-1 reactor
NT1 anex reactor
NT1 anna reactor
NT1 apfa-3 reactor
NT1 aquilon reactor
NT1 bfs reactor
NT1 big ten reactor
NT1 cfrmf reactor
NT1 cml reactor
NT1 coral-1 reactor
NT1 crocus reactor
NT1 dca reactor
NT1 dimple reactor
NT1 ecel reactor
NT1 ermine reactor
NT1 etrc reactor
NT1 fca reactor
NT1 flattop reactor
NT1 fr-0 reactor
NT1 godiva reactor
NT1 hero reactor
NT1 hitrex-1 reactor
NT1 horace reactor
NT1 hwzpr reactor
NT1 iea-zpr reactor
NT1 ifr reactor
NT1 ipen-mb-1 reactor
NT1 jezebel reactor
NT1 juno reactor
NT1 kahter reactor
NT1 kbr-1 reactor
NT1 kritz reactor
NT1 kuca reactor
NT1 lptf reactor
NT1 lr-0 reactor
NT1 lvr-15 reactor
NT1 marius reactor
NT1 maryla reactor
NT1 masurca reactor
NT1 minerve reactor
NT1 neptune reactor
NT1 nsf-rfp reactor
NT1 or-cef reactor
NT1 ornl-pca reactor
NT1 parka reactor
NT1 pdp reactor
NT1 peggy reactor
NT1 pelinduna reactor
NT1 plasma core assembly
NT1 prcf reactor
NT1 ptf-unc reactor
NT1 purnima reactor
NT1 purnima-2 reactor
NT1 r-b reactor
NT1 ra-0 reactor
NT1 ra-2 reactor
NT1 ra-8 reactor
NT1 rake-2 reactor

NT1 rb-1 reactor
NT1 rb-3 reactor
NT1 rensselaer critical facility
NT1 ritmo reactor
NT1 rospo reactor
NT1 saref reactor
NT1 shca reactor
NT1 silene reactor
NT1 siloette reactor
NT1 sneak reactor
NT1 split table reactor
NT1 sr-oa reactor
NT1 stacy reactor
NT1 tca reactor
NT1 tr-0 reactor
NT1 tracy reactor
NT1 vera reactor
NT1 zebra reactor
NT1 zeep reactor
NT1 zenith reactor
NT1 zephyr reactor
NT1 zerlina reactor
NT1 zlfr reactor
NT1 zppr reactor
NT1 zpr reactor
NT1 zpr-3 reactor
NT1 zpr-6 reactor
NT1 zpr-9 reactor
NT1 zr-6 reactor
RT reactor lattices

zero power research reactor-3 (anl)
Use zpr-3 reactor

zero power research reactor-6 (anl)
Use zpr-6 reactor

zero power research reactor-9 (anl)
Use zpr-9 reactor

ZERO-RANGE APPROXIMATION
RT elastic scattering
RT finite-range interactions
RT nuclear reaction kinetics

ZERO SOUND
RT sound waves
RT superfluidity
RT wave propagation

zet pinch
Use longitudinal pinch

ZETA DEVICES
*BT1 tlp devices

zeunerite
Use oxide minerals
AND uranium minerals

ZFI LEIPZIG
INIS: May 1986; ETDE: Nov 1986
(Zentralinstitut fuer Isotopen- und Strahlenforschung, Leipzig.)
UF *institut fuer isotopen- und strahlenforschung leipzig*
UF *leipzig zfi*
UF *zentralinstitut fuer isotopen- und strahlenforschung leipzig*
*BT1 german fr organizations

ZFK ROSSENDORF
INIS: Feb 1977; ETDE: Apr 1977
(Zentralinstitut fuer Kernforschung, Rossendorf, Germany.)
UF *rossendorf zfk*
UF *zentralinstitut fuer kernforschung*
*BT1 german fr organizations

ZGS
UF *argonne zgs*
UF *zero gradient synchrotron*
*BT1 synchrotrons

zhuravlev process
Use coal gasification

ZIEGLER CATALYST
BT1 catalysts
RT catalysis

ZIMBABWE
INIS: Sep 1980; ETDE: Oct 1980
(Prior to October 1980 this concept was indexed to SOUTHERN RHODESIA in ETDE.)
BT1 africa
BT1 developing countries
NT1 southern rhodesia

ZIMMER-1 REACTOR
(Moscow, Ohio, USA)
UF *william h. zimmer-1 reactor*
*BT1 bwr type reactors

ZIMMER-2 REACTOR
INIS: Feb 1980; ETDE: May 1975
(Moscow, Ohio, USA)
UF *william h. zimmer-2 reactor*
*BT1 bwr type reactors

ZINC
*BT1 metals

ZINC 57
INIS: May 1976; ETDE: Jun 1976
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 zinc isotopes

ZINC 58
INIS: Sep 1986; ETDE: May 1984
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 zinc isotopes

ZINC 59
INIS: Jun 1982; ETDE: Mar 1982
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 zinc isotopes

ZINC 60
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 zinc isotopes

ZINC 61
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 zinc isotopes

ZINC 62
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 zinc isotopes

ZINC 63
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 zinc isotopes

ZINC 64
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 zinc isotopes

ZINC 64 REACTIONS
INIS: Oct 1983; ETDE: Nov 1983
*BT1 heavy ion reactions

ZINC 64 TARGET
BT1 targets

ZINC 65
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 zinc isotopes

ZINC 65 TARGET
INIS: May 1984; ETDE: Feb 1984
BT1 targets

ZINC 66
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 zinc isotopes

ZINC 66 TARGET
BT1 targets

ZINC 67
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 zinc isotopes

ZINC 67 TARGET
BT1 targets

ZINC 68
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 zinc isotopes

ZINC 68 REACTIONS
INIS: Mar 1976; ETDE: Apr 1976
*BT1 heavy ion reactions

ZINC 68 TARGET
BT1 targets

ZINC 69
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 zinc isotopes

ZINC 70
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 zinc isotopes

ZINC 70 REACTIONS
INIS: Feb 1978; ETDE: May 1978
*BT1 heavy ion reactions

ZINC 70 TARGET
BT1 targets

ZINC 71
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 zinc isotopes

ZINC 72
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 zinc isotopes

ZINC 73
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 zinc isotopes

ZINC 74
INIS: Nov 1976; ETDE: Feb 1975
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 zinc isotopes

ZINC 75
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 zinc isotopes

ZINC 76
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 zinc isotopes

ZINC 77
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 zinc isotopes

ZINC 78
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 zinc isotopes

ZINC 79
INIS: Jun 1977; ETDE: Jul 1976
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 zinc isotopes

ZINC 80
INIS: Jun 1985; ETDE: Jul 1985
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 zinc isotopes

ZINC 81
INIS: Mar 1992; ETDE: Mar 1992
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 milliseconds living radioisotopes
*BT1 zinc isotopes

ZINC ADDITIONS
(Alloys containing not more than 1% Zn are listed here.)
*BT1 zinc alloys
NT1 nickeline alloy

ZINC-AIR BATTERIES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 metal-gas batteries

ZINC ALLOYS
(Alloys containing more than 1% Zn.)
UF+ *german silver*
UF+ *nickel silver*
UF+ *white copper*
BT1 alloys
NT1 brass
NT2 brass-alpha
NT2 brass-beta
NT1 lynite
NT1 magnesium alloy-az31b
NT1 magnesium alloy-ez
NT1 magnesium alloy-zr
NT1 muntz metal
NT1 ounce metal
NT1 zinc additions
NT2 nickeline alloy
NT1 zinc base alloys
NT2 zamak

ZINC ARSENIDES
INIS: Jul 1978; ETDE: Jun 1975
*BT1 arsenides
BT1 zinc compounds

ZINC BASE ALLOYS
*BT1 zinc alloys
NT1 zamak

ZINC BORIDES
*BT1 borides
BT1 zinc compounds

ZINC BROMIDES
*BT1 bromides
*BT1 zinc halides

ZINC-BROMINE BATTERIES
INIS: Sep 1992; ETDE: Feb 1979
*BT1 metal-nonmetal batteries

ZINC CARBIDES
*BT1 carbides
BT1 zinc compounds

ZINC CARBONATES
*BT1 carbonates
BT1 zinc compounds

ZINC CHLORIDES
*BT1 chlorides
*BT1 zinc halides

ZINC-CHLORINE BATTERIES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 metal-gas batteries

ZINC COMPLEXES
BT1 complexes

ZINC COMPOUNDS
NT1 zinc arsenides
NT1 zinc borides
NT1 zinc carbides
NT1 zinc carbonates
NT1 zinc halides
NT2 zinc bromides
NT2 zinc chlorides
NT2 zinc fluorides
NT2 zinc iodides
NT1 zinc hydrides
NT1 zinc hydroxides
NT1 zinc nitrates
NT1 zinc nitrides
NT1 zinc oxides
NT1 zinc perchlorates
NT1 zinc phosphates
NT1 zinc phosphides
NT1 zinc selenides
NT1 zinc silicates
NT1 zinc silicides
NT1 zinc sulfates
NT1 zinc sulfides
NT1 zinc tellurides
NT1 zinc tungstates
NT1 zincates

zinc distillation process
Use pyrochemical reprocessing

ZINC FLUORIDES
*BT1 fluorides
*BT1 zinc halides

zinc halide process
Use coal liquefaction

ZINC HALIDES
INIS: Sep 1991; ETDE: Feb 1975
*BT1 halides
BT1 zinc compounds
NT1 zinc bromides
NT1 zinc chlorides
NT1 zinc fluorides
NT1 zinc iodides

ZINC HYDRIDES
INIS: Nov 1976; ETDE: Jan 1975
*BT1 hydrides
BT1 zinc compounds

ZINC HYDROXIDES
*BT1 hydroxides
BT1 zinc compounds

ZINC IODIDES
*BT1 iodides
*BT1 zinc halides

ZINC IONS
*BT1 ions

ZINC ISOTOPES
BT1 isotopes
NT1 zinc 57
NT1 zinc 58
NT1 zinc 59
NT1 zinc 60
NT1 zinc 61
NT1 zinc 62
NT1 zinc 63
NT1 zinc 64
NT1 zinc 65
NT1 zinc 66
NT1 zinc 67
NT1 zinc 68
NT1 zinc 69
NT1 zinc 70
NT1 zinc 71
NT1 zinc 72
NT1 zinc 73
NT1 zinc 74
NT1 zinc 75
NT1 zinc 76
NT1 zinc 77
NT1 zinc 78
NT1 zinc 79
NT1 zinc 80
NT1 zinc 81

ZINC-MANGANESE BATTERIES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 metal-metal oxide batteries

ZINC NITRATES
*BT1 nitrates
BT1 zinc compounds

ZINC NITRIDES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 nitrides
BT1 zinc compounds

ZINC ORES
BT1 ores

ZINC OXIDES
*BT1 oxides
BT1 zinc compounds

ZINC PERCHLORATES
INIS: Apr 2000; ETDE: Jan 1975
*BT1 perchlorates
BT1 zinc compounds

ZINC PHOSPHATES
*BT1 phosphates
BT1 zinc compounds

ZINC PHOSPHIDE SOLAR CELLS
INIS: Apr 2000; ETDE: Jan 1981
*BT1 solar cells

ZINC PHOSPHIDES
INIS: Apr 1978; ETDE: Dec 1975
*BT1 phosphides
BT1 zinc compounds

ZINC SELENIDES
*BT1 selenides
BT1 zinc compounds

ZINC SILICATES
*BT1 silicates
BT1 zinc compounds

ZINC SILICIDES
INIS: Apr 2000; ETDE: Jun 1975
*BT1 silicides
BT1 zinc compounds

ZINC SULFATES
*BT1 sulfates
BT1 zinc compounds

ZINC SULFIDE SOLAR CELLS
INIS: Apr 2000; ETDE: Jul 1981
*BT1 solar cells

ZINC SULFIDES
*BT1 inorganic phosphors
*BT1 sulfides
BT1 zinc compounds

ZINC TELLURIDES
INIS: Feb 1976; ETDE: Jan 1975
*BT1 tellurides
BT1 zinc compounds

ZINC TUNGSTATES
INIS: Nov 1981; ETDE: Jan 1982
*BT1 tungstates
BT1 zinc compounds

ZINCATES
INIS: Apr 2000; ETDE: Mar 1976
BT1 zinc compounds

ZION-1 REACTOR
(Zion, Illinois, USA)
UF *zion station unit-1*
*BT1 pwr type reactors

ZION-2 REACTOR
(Zion, Illinois, USA)
UF *zion station unit-2*
*BT1 pwr type reactors

zion station unit-1
Use zion-1 reactor

zion station unit-2
Use zion-2 reactor

zippeite
Use sulfate minerals
AND uranium minerals

ZIRCALOY
(For unspecified Zircaloy alloys.)
*BT1 zirconium base alloys
NT1 alloy-zr98sn-2
NT2 zircaloy 2
NT1 alloy-zr98sn-4
NT2 zircaloy 4

ZIRCALOY 2
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-zr98sn-2

ZIRCALOY 4
INIS: Nov 1983; ETDE: Dec 1974
*BT1 alloy-zr98sn-4

ZIRCON
*BT1 silicate minerals
RT caldasite
RT zirconium silicates

ZIRCONATES
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
BT1 oxygen compounds
*BT1 zirconium compounds
NT1 plzt
NT1 pzt
RT zirconium oxides

ZIRCONIUM
*BT1 transition elements
NT1 zirconium-alpha
NT1 zirconium-beta
NT1 zirconium-omega

ZIRCONIUM 100
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 zirconium isotopes

ZIRCONIUM 101
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 zirconium isotopes

ZIRCONIUM 102
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 zirconium isotopes

ZIRCONIUM 103
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 zirconium isotopes

ZIRCONIUM 104
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 zirconium isotopes

ZIRCONIUM 80
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 zirconium isotopes

ZIRCONIUM 81
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 zirconium isotopes

ZIRCONIUM 82
*BT1 beta-plus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 zirconium isotopes

ZIRCONIUM 83
*BT1 beta-plus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 zirconium isotopes

ZIRCONIUM 84
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 minutes living radioisotopes
*BT1 zirconium isotopes

ZIRCONIUM 85
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes
*BT1 seconds living radioisotopes
*BT1 zirconium isotopes

ZIRCONIUM 86
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 zirconium isotopes

ZIRCONIUM 87
*BT1 beta-plus decay radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 seconds living radioisotopes
*BT1 zirconium isotopes

ZIRCONIUM 88
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 zirconium isotopes

ZIRCONIUM 89
*BT1 beta-plus decay radioisotopes
*BT1 days living radioisotopes
*BT1 electron capture radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 minutes living radioisotopes

*BT1 zirconium isotopes

ZIRCONIUM 90
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 isomeric transition isotopes
*BT1 milliseconds living radioisotopes
*BT1 stable isotopes
*BT1 zirconium isotopes

ZIRCONIUM 90 REACTIONS
INIS: Jun 1984; ETDE: Jul 1984
*BT1 heavy ion reactions

ZIRCONIUM 90 TARGET
BT1 targets

ZIRCONIUM 91
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 zirconium isotopes

ZIRCONIUM 91 TARGET
BT1 targets

ZIRCONIUM 92
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 zirconium isotopes

ZIRCONIUM 92 REACTIONS
INIS: Jan 1985; ETDE: Feb 1985
*BT1 heavy ion reactions

ZIRCONIUM 92 TARGET
BT1 targets

ZIRCONIUM 93
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 years living radioisotopes
*BT1 zirconium isotopes

ZIRCONIUM 93 TARGET
INIS: Jan 1986; ETDE: Aug 1981
BT1 targets

ZIRCONIUM 94
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 zirconium isotopes

ZIRCONIUM 94 TARGET
BT1 targets

ZIRCONIUM 95
*BT1 beta-minus decay radioisotopes
*BT1 days living radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 zirconium isotopes

ZIRCONIUM 96
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 stable isotopes
*BT1 zirconium isotopes

ZIRCONIUM 96 REACTIONS
INIS: Jan 1985; ETDE: Feb 1985
*BT1 heavy ion reactions

ZIRCONIUM 96 TARGET
BT1 targets

ZIRCONIUM 97
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 hours living radioisotopes
*BT1 intermediate mass nuclei
*BT1 zirconium isotopes

ZIRCONIUM 98
*BT1 beta-minus decay radioisotopes
*BT1 even-even nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 zirconium isotopes

ZIRCONIUM 99
*BT1 beta-minus decay radioisotopes
*BT1 even-odd nuclei
*BT1 intermediate mass nuclei
*BT1 seconds living radioisotopes
*BT1 zirconium isotopes

ZIRCONIUM ADDITIONS
(Alloys containing not more than 1% Zr are listed here.)
*BT1 zirconium alloys
NT1 alloy-in-102
NT1 alloy-mo99
NT2 alloy-tzm
NT2 alloy-zm-2a
NT1 alloy-mo99b
NT1 alloy-n-10m
NT1 alloy-n-9m
NT1 alloy-ni43fe33cr16mo3
NT2 nimonic pe16
NT1 alloy-ni46cr23co19ti5al4
NT2 alloy-in-939
NT1 alloy-ni55co17cr15mo5al4ti4
NT2 astroloy
NT1 alloy-ni58cr20co14mo4ti3
NT2 waspaloy
NT1 alloy-ni59cr20co17ti2
NT1 alloy-ni60co15cr10al6ti5mo3
NT2 alloy-in-100
NT1 alloy-ni61cr16co9al3ti3w3
NT2 alloy-in-738
NT1 alloy-ni74cr13al6mo4
NT2 inconel 713c
NT1 alloy-ni75cr12al6mo5
NT2 inconel 713lc
NT1 alloy-ni76cr20ti2
NT2 nimonic 80a
NT1 magnesium alloy-ek
NT1 magnesium alloy-ez
NT1 magnesium alloy-hk31a
NT1 rene 80
NT1 rene 95

ZIRCONIUM ALLOYS
(Alloys containing more than 1% Zr.)
UF+ *transage 129*
UF+ *transage 134*
*BT1 transition element alloys
NT1 alloy-c-103
NT1 alloy-ti89al6mo3
NT1 alloy-ti90al6
NT1 alloy-u90nb7zr3
NT1 alloy-v87cr9fe3
NT1 zirconium additions
NT2 alloy-in-102
NT2 alloy-mo99
NT3 alloy-tzm
NT3 alloy-zm-2a
NT2 alloy-mo99b
NT2 alloy-n-10m
NT2 alloy-n-9m
NT2 alloy-ni43fe33cr16mo3
NT3 nimonic pe16
NT2 alloy-ni46cr23co19ti5al4
NT3 alloy-in-939
NT2 alloy-ni55co17cr15mo5al4ti4
NT3 astroloy
NT2 alloy-ni58cr20co14mo4ti3
NT3 waspaloy
NT2 alloy-ni59cr20co17ti2
NT2 alloy-ni60co15cr10al6ti5mo3
NT3 alloy-in-100
NT2 alloy-ni61cr16co9al3ti3w3
NT3 alloy-in-738
NT2 alloy-ni74cr13al6mo4
NT3 inconel 713c
NT2 alloy-ni75cr12al6mo5
NT3 inconel 713lc
NT2 alloy-ni76cr20ti2
NT3 nimonic 80a
NT2 magnesium alloy-ek
NT2 magnesium alloy-ez
NT2 magnesium alloy-hk31a
NT2 rene 80
NT2 rene 95
NT1 zirconium base alloys
NT2 alloy-zr97nb3
NT2 zircaloy
NT3 alloy-zr98sn-2
NT4 zircaloy 2
NT3 alloy-zr98sn-4
NT4 zircaloy 4

ZIRCONIUM-ALPHA
*BT1 zirconium

zirconium arsenides
Use arsenides
AND zirconium compounds

ZIRCONIUM BASE ALLOYS
*BT1 zirconium alloys
NT1 alloy-zr97nb3
NT1 zircaloy
NT2 alloy-zr98sn-2
NT3 zircaloy 2
NT2 alloy-zr98sn-4
NT3 zircaloy 4

ZIRCONIUM-BETA
*BT1 zirconium

ZIRCONIUM BORIDES
*BT1 borides
*BT1 zirconium compounds

ZIRCONIUM BROMIDES
*BT1 bromides
*BT1 zirconium compounds

ZIRCONIUM CARBIDES
*BT1 carbides
*BT1 zirconium compounds

ZIRCONIUM CARBONATES
*BT1 carbonates
*BT1 zirconium compounds

ZIRCONIUM CHLORIDES
*BT1 chlorides
*BT1 zirconium compounds

ZIRCONIUM COMPLEXES
*BT1 transition element complexes

ZIRCONIUM COMPOUNDS
UF+ *zirconium arsenides*
BT1 transition element compounds
NT1 zirconates
NT2 plzt
NT2 pzt
NT1 zirconium borides
NT1 zirconium bromides
NT1 zirconium carbides
NT1 zirconium carbonates
NT1 zirconium chlorides
NT1 zirconium fluorides
NT1 zirconium hydrides
NT1 zirconium hydroxides
NT1 zirconium iodides

NT1 zirconium nitrates
NT1 zirconium nitrides
NT1 zirconium oxides
NT1 zirconium perchlorates
NT1 zirconium phosphates
NT1 zirconium phosphides
NT1 zirconium selenides
NT1 zirconium silicates
NT1 zirconium silicides
NT1 zirconium sulfates
NT1 zirconium sulfides
NT1 zirconium tellurides
NT1 zirconium tungstates

ZIRCONIUM FLUORIDES
*BT1 fluorides
*BT1 zirconium compounds

ZIRCONIUM HYDRIDES
*BT1 hydrides
*BT1 zirconium compounds
RT hydride moderators

ZIRCONIUM HYDROXIDES
*BT1 hydroxides
*BT1 zirconium compounds

ZIRCONIUM IODIDES
*BT1 iodides
*BT1 zirconium compounds

ZIRCONIUM IONS
*BT1 ions

ZIRCONIUM ISOTOPES
BT1 isotopes
NT1 zirconium 100
NT1 zirconium 101
NT1 zirconium 102
NT1 zirconium 103
NT1 zirconium 104
NT1 zirconium 80
NT1 zirconium 81
NT1 zirconium 82
NT1 zirconium 83
NT1 zirconium 84
NT1 zirconium 85
NT1 zirconium 86
NT1 zirconium 87
NT1 zirconium 88
NT1 zirconium 89
NT1 zirconium 90
NT1 zirconium 91
NT1 zirconium 92
NT1 zirconium 93
NT1 zirconium 94
NT1 zirconium 95
NT1 zirconium 96
NT1 zirconium 97
NT1 zirconium 98
NT1 zirconium 99

ZIRCONIUM NITRATES
*BT1 nitrates
*BT1 zirconium compounds

ZIRCONIUM NITRIDES
*BT1 nitrides
*BT1 zirconium compounds

ZIRCONIUM-OMEGA
*BT1 zirconium

ZIRCONIUM ORES
INIS: Mar 1986; ETDE: Apr 1975
BT1 ores

ZIRCONIUM OXIDES
*BT1 oxides
*BT1 zirconium compounds
RT baddeleyite
RT marignacite
RT naegite
RT nogizawalite
RT oxide minerals
RT zirconates
RT zirconolite

ZIRCONIUM PERCHLORATES
INIS: Feb 1981; ETDE: Mar 1978
*BT1 perchlorates
*BT1 zirconium compounds

ZIRCONIUM PHOSPHATES
*BT1 phosphates
*BT1 zirconium compounds

ZIRCONIUM PHOSPHIDES
*BT1 phosphides
*BT1 zirconium compounds

ZIRCONIUM SELENIDES
*BT1 selenides
*BT1 zirconium compounds

ZIRCONIUM SILICATES
*BT1 silicates
*BT1 zirconium compounds
RT alvite
RT lavenite
RT lovozerite
RT mesodialyte
RT silicate minerals
RT zircon

ZIRCONIUM SILICIDES
INIS: Nov 1976; ETDE: Jan 1975
*BT1 silicides
*BT1 zirconium compounds

ZIRCONIUM SULFATES
*BT1 sulfates
*BT1 zirconium compounds

ZIRCONIUM SULFIDES
*BT1 sulfides
*BT1 zirconium compounds

ZIRCONIUM TELLURIDES
INIS: Nov 1976; ETDE: Dec 1976
*BT1 tellurides
*BT1 zirconium compounds

ZIRCONIUM TUNGSTATES
INIS: Sep 1978; ETDE: Jan 1975
*BT1 tungstates
*BT1 zirconium compounds

ZIRCONOLITE
INIS: Sep 1981; ETDE: Jun 1981
*BT1 oxide minerals
RT calcium oxides
RT synroc process
RT titanium oxides
RT zirconium oxides

ZIRFLEX PROCESS
*BT1 reprocessing
RT solvent extraction

zittauer lehr- und forschungsreaktor
Use zlfr reactor

ZITTERBEWEGUNG
RT quantum mechanics

ZLFR REACTOR
INIS: Nov 1980; ETDE: Nov 1980
(Ingenieurhochschule, Zittau, Federal Republic of Germany.)
UF *wwr-s-zittau reactor*
UF *zittauer lehr- und forschungsreaktor*
*BT1 enriched uranium reactors
*BT1 research reactors
*BT1 tank type reactors
*BT1 thermal reactors
*BT1 training reactors
*BT1 water cooled reactors
*BT1 water moderated reactors
*BT1 zero power reactors

ZODIACAL LIGHT
UF *gegenschein*
UF *light (zodiacal)*
*BT1 electromagnetic radiation
RT interplanetary space
RT solar radiation

zoe reactor
Use el-1 reactor

ZONE MELTING
UF *floating zone techniques*
BT1 crystal growth methods
*BT1 melting
RT crystal growth
RT ribbon-to-ribbon method

ZONE REFINING
*BT1 refining
BT1 separation processes
RT crystallization
RT metallurgy
RT reprocessing

ZONES
NT1 brillouin zones
NT1 guinier-preston zones
NT1 heat affected zone

zones (auroral)
Use auroral zones

zones (rift)
Use rift zones

zones (temperate)
Use temperate zones

zoning
Use land use

ZOOLOGY
BT1 biology

ZOOPLANKTON
(Until July 1993, this concept was indexed by PLANKTON.)
*BT1 plankton
RT copepods
RT crustaceans
RT daphnia
RT protozoa

ZORITA-1 REACTOR
UF *central nuclear de zorita-1*
UF *jose cabrera reactor*
*BT1 pwr type reactors

ZPPR REACTOR
(Zero power reactor at Idaho Falls.)
*BT1 fast reactors
*BT1 research reactors
*BT1 zero power reactors

ZPR-3 REACTOR
(Variously fuelled, unmoderated, uncooled.)
UF *anl zero power research reactor-3*
UF *zero power research reactor-3 (anl)*
*BT1 fast reactors
*BT1 zero power reactors

ZPR-6 REACTOR

(Variously fuelled, unmoderated, uncooled.)
- UF *anl zero power research reactor-6*
- UF *zero power research reactor-6 (anl)*
- *BT1 fast reactors
- *BT1 zero power reactors

ZPR-9 REACTOR

(Uncooled.)
- UF *anl zero power research reactor-9*
- UF *zero power research reactor-9 (anl)*
- *BT1 fast reactors
- *BT1 zero power reactors
- *RT* breeder reactors
- *RT* propulsion reactors

ZPR REACTOR

(Cornell University, Ward Laboratory of Nuclear Engineering, Ithaca, New York, USA)
- UF *cornell university zero power reactor*
- UF *zero power reactor (cornell university)*
- *BT1 enriched uranium reactors
- *BT1 tank type reactors
- *BT1 thermal reactors
- *BT1 training reactors
- *BT1 zero power reactors

ZR-6 REACTOR

INIS: Oct 1981; ETDE: Jul 1975
(At Central Research Institute for Physics, Budapest.)
- *BT1 water cooled reactors
- *BT1 zero power reactors

ZRR REACTOR

- *BT1 experimental reactors
- *BT1 fast reactors
- *BT1 sodium cooled reactors

ZT-40 DEVICES

INIS: Apr 1978; ETDE: Jan 1978
(Los Alamos Experiment on reverse-field pinch.)
- *BT1 reversed-field pinch devices
- *RT* reverse-field pinch

ZT-P DEVICES

INIS: Sep 1986; ETDE: Apr 1986
- *BT1 reversed-field pinch devices
- *RT* reverse-field pinch

zuni event

- Use nuclear explosions
- AND surface explosions

zwentendorf reactor

- Use tullnerfeld reactor

ZYGOTES

- BT1 embryos
- *RT* fertilization
- *RT* gametes
- *RT* ontogenesis
- *RT* reproduction

ZYMOMONAS MOBILIS

INIS: Jul 1993; ETDE: May 1982
- *BT1 bacteria
- *RT* anaerobic conditions

ZYMOSAN

(A protein-carbohydrate complex isolated from yeast used to activate the immune system in response to microbial infection. The action of zymosan derives from its ability to stimulate properidin.)
- *RT* complement
- *RT* polysaccharides
- *RT* yeasts