



Joint Thesaurus Supplement

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JOINT THESAURUS SUPPLEMENT

This is a supplement to IAEA-ETDE/INIS-1.

This supplement is provided periodically to keep *ETDE/INIS Joint Thesaurus* recipients up-to-date on valid vocabulary terms (descriptors) used in building and maintaining several international energy information databases.

Each issue contains all new terms added since the publication of the most recent version of the Thesaurus. Terms added during the last reporting period are indicated by a small arrow (→) in the left margin. Each supplement is a cumulative listing of the new terms, so that each issue replaces the previous one.

The format of supplement entries is the same as that of the Thesaurus. Descriptions of the components of the wordblocks and other information on the descriptors are given in the *ETDE/INIS Joint Thesaurus*.

The *ETDE/INIS Joint Thesaurus* (IAEA-ETDE/INIS-1), is available for sale. For information on how to obtain a copy, call 865-576-8401.

Deleted Descriptors

Ardennes B-1 Reactor
DC August 19, 2010
USE Chooz-B1 Reactor

Ardennes B-2 Reactor
DC August 19, 2010
USE Chooz-B2 Reactor

Ardennes Reactor
DC August 19, 2010
USE Chooz-A Reactor

Belleville sur Loire-1 Reactor
DC August 19, 2010
USE Belleville-1 Reactor

Belleville sur Loire-2 Reactor
DC August 19, 2010
USE Belleville-2 Reactor

Chinon-1 Reactor
DC August 19, 2010
USE Chinon-A1 Reactor

Chinon-2 Reactor
DC August 19, 2010
USE Chinon-A2 Reactor

Chinon-3 Reactor
DC August 19, 2010
USE Chinon-A3 Reactor

Cogema
DC March 31, 2010
USE Areva NC

Cogema La Hague
DC March 31, 2010
USE Areva NC La Hague

Cogema Marcoule
DC March 31, 2010
USE Areva NC Marcoule

Cogema Pierrelatte
DC March 31, 2010
USE Areva NC Pierrelatte

Element 112
DC May 25, 2010
USE Copernicium

Element 112 277
DC May 25, 2010
USE Copernicium 277

Element 112 283
DC May 25, 2010
USE Copernicium 283

Element 112 Compounds
DC May 25, 2010
USE Copernicium Compounds

Element 112 Isotopes
DC May 25, 2010
USE Copernicium Isotopes

Lapps
DC August 29, 2008
USE Sami People

Nogent sur Seine-1 Reactor
DC August 20, 2010
USE Nogent-1 Reactor

Nogent sur Seine-2 Reactor
DC August 20, 2010
USE Nogent-2 Reactor

Quaternary Compounds
DC August 28, 2009
SEE Quaternary Alloy Systems
OR Quaternary Ammonium Compounds

Saint Laurent-1 Reactor
DC August 20, 2010
USE Saint Laurent-A1 Reactor

Saint Laurent-2 Reactor
DC August 20, 2010
USE Saint Laurent-A2 Reactor

Serbia and Montenegro
DC November 17, 2006

SEE Montenegro
OR Serbia

Super Phenix Reactor
DC August 20, 2010
USE Superphenix Reactor

September 1, 2010

This Supplement contains all the terms added since September 30, 2006, the cutoff date of IAEA-ETDE/INIS-1 (Rev.2). Terms marked → were added since the previous update.

ACCIDENT MANAGEMENT

(Coordinate with descriptors for the type of accident and actions taken to manage it.)

DA December 23, 2008
BT1 Management
RT Accidents
RT Emergency Plans
RT First Aid
RT Liabilities
RT Safety
RT Victims Compensation
RT Workmens Compensation

ACTINIUM 206

DA September 25, 2007
BT1 Actinide Nuclei
BT1 Actinium Isotopes
BT1 Alpha Decay Radioisotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei

ACTINIUM 235

DA September 25, 2007
BT1 Actinide Nuclei
BT1 Actinium Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Odd-Even Nuclei
BT1 Seconds Living Radioisotopes

ACTINIUM 236

DA September 25, 2007
BT1 Actinide Nuclei
BT1 Actinium Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Odd-Odd Nuclei

ACTINIUM HALIDES

DA February 29, 2008
BT1 Actinium Compounds
BT1 Halides
NT1 Actinium Bromides
NT1 Actinium Chlorides
NT1 Actinium Fluorides

ALUMINIUM 21

DA September 25, 2007
BT1 Aluminium Isotopes
BT1 Light Nuclei
BT1 Odd-Even Nuclei
BT1 Proton Decay Radioisotopes

ALUMINIUM 41

DA September 25, 2007
BT1 Aluminium Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

ALUMINIUM 42

DA September 25, 2007
BT1 Aluminium Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei

AMERICIUM 231

DA September 25, 2007
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Americium Isotopes
BT1 Electron Capture Radioisotopes
BT1 Odd-Even Nuclei
BT1 Seconds Living Radioisotopes

AMERICIUM 248

DA September 25, 2007
BT1 Actinide Nuclei
BT1 Americium Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Minutes Living Radioisotopes
BT1 Odd-Odd Nuclei

AMERICIUM 249

DA September 25, 2007
BT1 Actinide Nuclei
BT1 Americium Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Minutes Living Radioisotopes
BT1 Odd-Even Nuclei

AMERICIUM HALIDES

DA February 29, 2008
BT1 Americium Compounds
BT1 Halides
NT1 Americium Bromides
NT1 Americium Chlorides
NT1 Americium Fluorides
NT1 Americium Iodides

ANGIOGENESIS

DA January 27, 2009
RT Blood Vessels
RT Carcinogenesis
RT Growth Factors
RT Neoplasms
DEF Growth of new blood vessels.

ANTI DE SITTER GROUP

DA August 15, 2007
BT1 Lie Groups
RT Anti De Sitter Space

ANTI DE SITTER SPACE

DA August 15, 2007
BT1 Mathematical Space
RT Anti De Sitter Group
RT Lorentz Groups
RT Space-Time
RT String Theory
RT Superstring Theory

ANTIMONY 103

DA September 27, 2007
BT1 Antimony Isotopes
BT1 Electron Capture Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

ANTIMONY 137

DA September 27, 2007
BT1 Antimony Isotopes

BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

ANTIMONY 138

DA September 27, 2007
BT1 Antimony Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei

ANTIMONY 139

DA September 27, 2007
BT1 Antimony Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

ANTIQUARKS

DA June 28, 2007
BT1 Antiparticles
BT1 Quarks
NT1 B Antiquarks
NT1 C Antiquarks
NT1 D Antiquarks
NT1 S Antiquarks
NT1 T Antiquarks
NT1 U Antiquarks

AREVA NC

(Areva Nuclear fuel Cycle. Known as Cogema before name change in 2006, and older material is indexed to COGEMA.)

DA March 31, 2010
UF *Cogema*
SF *Compagnie Generale des Matieres Nucleaires*
BT1 French Organizations
NT1 Areva NC La Hague
NT1 Areva NC Marcoule
NT1 Areva NC Pierrelatte
NT1 Areva NC Miramas
NT1 Areva NC Malvesi
RT CEA

AREVA NC LA HAGUE

(Prior to name change in 2006 this facility was known as COGEMA LA HAGUE, and older material is so indexed.)

DA March 31, 2010
UF *Cogema La Hague*
BT1 Areva NC
BT1 Fuel Reprocessing Plants

AREVA NC MALVESI

DA March 31, 2010
BT1 Areva NC
BT1 Feed Materials Plants

AREVA NC MARCOULE

(Prior to name change in 2006 this facility was known as COGEMA MARCOULE, and older material is so indexed.)

DA March 31, 2010

September 1, 2010

UF *Cogema Marcoule*
BT1 Areva NC

AREVA NC MIRAMAS

DA March 31, 2010
BT1 Areva NC
BT1 Isotope Separation Plants

AREVA NC PIERRELATTE

(Prior to name change in 2006 this facility was known as COGEMA PIERRELATTE, and older material is so indexed.)

DA March 31, 2010
UF *Cogema Pierrelatte*
BT1 Areva NC
BT1 Isotope Separation Plants

ARGENTINE NASA

(Argentine Nucleoelectrica Argentina SA (NASA), Buenos Aires, Argentina)

DA March 30, 2009
UF *NASA (Argentina)*
BT1 Argentine Organizations

ARGON 30

DA January 12, 2007
BT1 Argon Isotopes
BT1 Even-Even Nuclei
BT1 Light Nuclei
BT1 Nanoseconds Living Radioisotopes
BT1 Proton Decay Radioisotopes

ARGON 48

DA January 12, 2007
BT1 Argon Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes

ARGON 52

DA January 12, 2007
BT1 Argon Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes

ARGON 53

DA January 12, 2007
BT1 Argon Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes

ARSENIC 60

DA April 23, 2007
BT1 Arsenic Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei

ARSENIC 61

DA April 23, 2007
BT1 Arsenic Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

ARSENIC 62

DA April 23, 2007
BT1 Arsenic Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei
BT1 Proton Decay Radioisotopes

ARSENIC 63

DA April 23, 2007
BT1 Arsenic Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei
BT1 Proton Decay Radioisotopes

ARSENIC 88

DA April 23, 2007
BT1 Arsenic Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei

ARSENIC 89

DA April 23, 2007
BT1 Arsenic Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

ARSENIC 90

DA April 23, 2007
BT1 Arsenic Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei

ARSENIC 91

DA April 23, 2007
BT1 Arsenic Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

ARSENIC 92

DA April 23, 2007
BT1 Arsenic Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei

ASTATINE 192

DA January 12, 2007
BT1 Alpha Decay Radioisotopes
BT1 Astatine Isotopes
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei

ASTATINE HALIDES

DA February 29, 2008
BT1 Astatine Compounds
BT1 Halides
NT1 Astatine Bromides
NT1 Astatine Chlorides
NT1 Astatine Iodides

AUTOIGNITION

DA January 12, 2007
BT1 Ignition
RT Antiknock Ratings
RT Internal Combustion Engines
RT Knock Control
RT Spontaneous Combustion

B ANTIQUARKS

DA June 28, 2007
BT1 Antiquarks
BT1 B Quarks

BARIUM 150

DA September 27, 2007
BT1 Barium Isotopes
BT1 Beta-Minus Decay Radioisotopes

BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes

BARIUM 151

DA September 27, 2007
BT1 Barium Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei

BARIUM 152

DA September 27, 2007
BT1 Barium Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei

BARIUM 153

DA September 27, 2007
BT1 Barium Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei

→ **BELLEVILLE-1 REACTOR**

(Electricite de France, Belleville-sur-Loire/Sury-pres-Lere, Cher, France. Prior to August 2010 BELLEVILLE SUR LOIRE-1 REACTOR was used for this reactor.)
DA August 19, 2010
UF *Belleville sur Loire-1 Reactor*
BT1 PWR Type Reactors

→ **BELLEVILLE-2 REACTOR**

(Electricite de France, Belleville-sur-Loire/Sury-pres-Lere, Cher, France. Prior to August 2010 BELLEVILLE SUR LOIRE-2 REACTOR was used for this reactor.)
DA August 19, 2010
UF *Belleville sur Loire-2 Reactor*
BT1 PWR Type Reactors

BERKELIUM 235

DA July 17, 2007
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Berkelium Isotopes
BT1 Electron Capture Radioisotopes
BT1 Odd-Even Nuclei
BT1 Seconds Living Radioisotopes

BERKELIUM 236

DA July 17, 2007
BT1 Actinide Nuclei
BT1 Berkelium Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT1 Electron Capture Radioisotopes
BT1 Odd-Odd Nuclei

BERKELIUM 237

DA July 17, 2007
BT1 Actinide Nuclei
BT1 Berkelium Isotopes
BT1 Electron Capture Radioisotopes
BT1 Odd-Even Nuclei

BERKELIUM 238

DA July 17, 2007
BT1 Actinide Nuclei
BT1 Berkelium Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT1 Electron Capture Radioisotopes

September 1, 2010

BT1 Minutes Living Radioisotopes
BT1 Odd-Odd Nuclei

BERKELIUM 239

DA July 17, 2007
BT1 Actinide Nuclei
BT1 Berkelium Isotopes
BT1 Electron Capture Radioisotopes
BT1 Minutes Living Radioisotopes
BT1 Odd-Even Nuclei

BERKELIUM 252

DA July 17, 2007
BT1 Actinide Nuclei
BT1 Berkelium Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Minutes Living Radioisotopes
BT1 Odd-Odd Nuclei

BERKELIUM 253

DA July 17, 2007
BT1 Actinide Nuclei
BT1 Berkelium Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Minutes Living Radioisotopes
BT1 Odd-Even Nuclei

BERKELIUM 254

DA July 17, 2007
BT1 Actinide Nuclei
BT1 Berkelium Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT1 Minutes Living Radioisotopes
BT1 Odd-Odd Nuclei

BERYLLIUM 15

DA September 27, 2007
BT1 Beryllium Isotopes
BT1 Even-Odd Nuclei
BT1 Light Nuclei

BERYLLIUM 16

DA September 27, 2007
BT1 Beryllium Isotopes
BT1 Even-Even Nuclei
BT1 Light Nuclei

BERYLLIUM HALIDES

DA February 29, 2008
BT1 Beryllium Compounds
BT1 Halides
NT1 Beryllium Bromides
NT1 Beryllium Chlorides
NT1 Beryllium Fluorides
NT1 Beryllium Iodides

BIOETHANOL

DA April 28, 2009
BT1 Ethanol
NT1 Cellulosic Ethanol
RT Biofuels
RT Ethanol Fuels

BISMUTH 184

DA January 12, 2007
BT1 Alpha Decay Radioisotopes
BT1 Bismuth Isotopes
BT1 Heavy Nuclei
BT1 Isomeric Transition Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei

BISMUTH 185

DA January 12, 2007
BT1 Alpha Decay Radioisotopes

BT1 Bismuth Isotopes
BT1 Heavy Nuclei
BT1 Microseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Proton Decay Radioisotopes

BISMUTH 187

DA January 12, 2007
BT1 Alpha Decay Radioisotopes
BT1 Bismuth Isotopes
BT1 Heavy Nuclei
BT1 Isomeric Transition Isotopes
BT1 Microseconds Living Radioisotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei

BISMUTH 217

DA January 12, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Bismuth Isotopes
BT1 Heavy Nuclei
BT1 Odd-Even Nuclei
BT1 Seconds Living Radioisotopes

BISMUTH 218

DA October 6, 2006
BT1 Beta-Minus Decay Radioisotopes
BT1 Bismuth Isotopes
BT1 Heavy Nuclei
BT1 Odd-Odd Nuclei
BT1 Seconds Living Radioisotopes

→ **BLAYAIS-2 REACTOR**

(Electricite de France,
Braud-et-Saint-Louis, Gironde,
France)
DA August 19, 2010
BT1 PWR Type Reactors

→ **BLAYAIS-3 REACTOR**

(Electricite de France,
Braud-et-Saint-Louis, Gironde,
France)
DA August 19, 2010
BT1 PWR Type Reactors

→ **BLAYAIS-4 REACTOR**

(Electricite de France,
Braud-et-Saint-Louis, Gironde,
France)
DA August 19, 2010
BT1 PWR Type Reactors

BOHRNIUM 260

DA January 18, 2007
BT1 Alpha Decay Radioisotopes
BT1 Bohrium Isotopes
BT1 Heavy Nuclei
BT1 Microseconds Living Radioisotopes
BT1 Odd-Odd Nuclei

BOHRNIUM 263

DA January 18, 2007
BT1 Bohrium Isotopes
BT1 Heavy Nuclei
BT1 Microseconds Living Radioisotopes
BT1 Odd-Even Nuclei

BOHRNIUM 266

DA January 18, 2007
BT1 Alpha Decay Radioisotopes
BT1 Bohrium Isotopes
BT1 Heavy Nuclei
BT1 Isomeric Transition Isotopes
BT1 Odd-Odd Nuclei

BT1 Seconds Living Radioisotopes

BOHRNIUM 267

DA January 18, 2007
BT1 Alpha Decay Radioisotopes
BT1 Bohrium Isotopes
BT1 Heavy Nuclei
BT1 Isomeric Transition Isotopes
BT1 Odd-Even Nuclei
BT1 Seconds Living Radioisotopes

BOHRNIUM 272

DA January 18, 2007
BT1 Alpha Decay Radioisotopes
BT1 Bohrium Isotopes
BT1 Heavy Nuclei
BT1 Isomeric Transition Isotopes
BT1 Odd-Odd Nuclei
BT1 Seconds Living Radioisotopes

BOHRNIUM 273

DA January 18, 2007
BT1 Bohrium Isotopes
BT1 Heavy Nuclei
BT1 Hours Living Radioisotopes
BT1 Odd-Even Nuclei

BOHRNIUM 274

DA January 18, 2007
BT1 Bohrium Isotopes
BT1 Heavy Nuclei
BT1 Hours Living Radioisotopes
BT1 Odd-Odd Nuclei

BOHRNIUM 275

DA January 18, 2007
BT1 Bohrium Isotopes
BT1 Heavy Nuclei
BT1 Minutes Living Radioisotopes
BT1 Odd-Even Nuclei

BORON 6

DA October 1, 2007
BT1 Boron Isotopes
BT1 Light Nuclei
BT1 Odd-Odd Nuclei

Brane Cosmology

DA August 15, 2007
USE M-Theory

Brane Models

DA August 15, 2007
USE M-Theory

Brane Theory

DA August 15, 2007
USE M-Theory

BRANES

DA August 15, 2007
UF *P-Branes*
UF *S-Branes*
NT1 D-Branes
RT Cosmological Models
RT Particle Models
RT String Theory
DEF Spatially extended entities that appear in string theory and its relatives (M-theory and brane cosmology).

→ *Brennilis Reactor*

DA August 19, 2010
USE EL-4 Reactor

September 1, 2010

BROMINE 67

DA October 22, 2007
BT1 Bromine Isotopes
BT1 Electron Capture Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

BROMINE 68

DA October 22, 2007
BT1 Bromine Isotopes
BT1 Electron Capture Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei

BROMINE 94

DA October 22, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Bromine Isotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei

BROMINE 95

DA October 22, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Bromine Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

BROMINE 96

DA October 22, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Bromine Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei

BROMINE 97

DA October 22, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Bromine Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

C ANTIQUARKS

DA June 28, 2007
BT1 Antiquarks
BT1 C Quarks

CADMIUM 95

DA January 18, 2007
BT1 Cadmium Isotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes

CADMIUM 129

DA January 18, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Cadmium Isotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes

CADMIUM 131

DA January 18, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Cadmium Isotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes

CADMIUM 132

DA January 18, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Cadmium Isotopes

BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes

CALCIUM 34

DA March 9, 2007
BT1 Calcium Isotopes
BT1 Even-Even Nuclei
BT1 Light Nuclei
BT1 Nanoseconds Living Radioisotopes
BT1 Proton Decay Radioisotopes

CALCIUM 54

DA March 9, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Calcium Isotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei

CALCIUM 55

DA March 9, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Calcium Isotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei

CALCIUM 56

DA March 9, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Calcium Isotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei

CALCIUM 57

DA March 9, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Calcium Isotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei

CALCIUM 58

DA March 13, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Calcium Isotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei

CALCIUM 60

DA March 13, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Calcium Isotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei

CALIFORNIUM 236

DA July 3, 2007
BT1 Actinide Nuclei
BT1 Californium Isotopes
BT1 Even-Even Nuclei

CALIFORNIUM 237

DA July 3, 2007
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Californium Isotopes
BT1 Even-Odd Nuclei
BT1 Seconds Living Radioisotopes
BT1 Spontaneous Fission Radioisotopes

CALIFORNIUM HALIDES

DA February 29, 2008
BT1 Californium Compounds
BT1 Halides
NT1 Californium Bromides
NT1 Californium Chlorides

NT1 Californium Fluorides
NT1 Californium Iodides

Candu Reactors

(The specific CANDU type reactor(s) should be indexed if known.)
DA November 2, 2009
USE Candu Type Reactors

CANYONS

DA April 30, 2008
NT1 Submarine Canyons
RT High-Rise Buildings
RT Mountains
RT Topography
RT Urban Areas
RT Valleys
DEF Channels between two generally parallel high obstacles, such as cliffs or high-rise buildings.

CARBON 21

DA January 18, 2007
BT1 Carbon Isotopes
BT1 Even-Odd Nuclei
BT1 Light Nuclei
BT1 Nanoseconds Living Radioisotopes

CARBON FOOTPRINT

DA January 28, 2009
RT Carbon Cycle
RT Carbon Dioxide
RT Carbon Sequestration
RT Emissions Trading
RT Environmental Effects
RT Greenhouse Effect
RT Greenhouse Gases
RT Kyoto Protocol
DEF The total set of greenhouse gas emissions by an individual, organization, facility, event, product or process.

CELLULOSIC ETHANOL

DA April 28, 2009
BT1 Bioethanol
RT Cellulose
RT Switchgrass
RT Maize

CERIUM 119

DA January 19, 2007
BT1 Cerium Isotopes
BT1 Electron Capture Radioisotopes
BT1 Even-Odd Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Rare Earth Nuclei

CERIUM 120

DA January 19, 2007
BT1 Cerium Isotopes
BT1 Electron Capture Radioisotopes
BT1 Even-Even Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Rare Earth Nuclei

CERIUM 122

DA January 19, 2007
BT1 Cerium Isotopes
BT1 Electron Capture Radioisotopes
BT1 Even-Even Nuclei
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

September 1, 2010

CERIUM 153

DA January 19, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Cerium Isotopes
BT1 Even-Odd Nuclei
BT1 Rare Earth Nuclei

CERIUM 154

DA January 19, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Cerium Isotopes
BT1 Even-Even Nuclei
BT1 Rare Earth Nuclei

CERIUM 155

DA January 19, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Cerium Isotopes
BT1 Even-Odd Nuclei
BT1 Rare Earth Nuclei

CERIUM 156

DA January 19, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Cerium Isotopes
BT1 Even-Even Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Rare Earth Nuclei

CERIUM 157

DA January 19, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Cerium Isotopes
BT1 Even-Odd Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Rare Earth Nuclei

CESIUM 112

DA October 22, 2007
BT1 Cesium Isotopes
BT1 Intermediate Mass Nuclei
BT1 Microseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Proton Decay Radioisotopes

CESIUM 151

DA October 22, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Cesium Isotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei

→ **CHINON-A1 REACTOR**

(Electricite de France, Avoine, Indre-et-Loire, France. Prior to August 2010 CHINON-1 REACTOR was used for this reactor.)

DA August 19, 2010
UF *Chinon-1 Reactor*
UF *EDF-1 Reactor*
BT1 Carbon Dioxide Cooled Reactors
BT1 GCR Type Reactors
BT1 Power Reactors
BT1 Thermal Reactors

→ **CHINON-A2 REACTOR**

(Electricite de France, Avoine, Indre-et-Loire, France. Prior to August 2010 CHINON-2 REACTOR was used for this reactor.)

DA August 19, 2010
UF *Chinon-2 Reactor*
UF *EDF-2 Reactor*
BT1 Carbon Dioxide Cooled Reactors

BT1 GCR Type Reactors
BT1 Power Reactors
BT1 Thermal Reactors

→ **CHINON-A3 REACTOR**

(Electricite de France, Avoine, Indre-et-Loire, France. Prior to August 2010 CHINON-3 REACTOR was used for this reactor.)

DA August 19, 2010
UF *Chinon-3 Reactor*
UF *EDF-3 Reactor*
BT1 Carbon Dioxide Cooled Reactors
BT1 GCR Type Reactors
BT1 Power Reactors
BT1 Thermal Reactors

→ **CHINON-B2 REACTOR**

(Electricite de France, Avoine, Indre-et-Loire, France)
DA August 19, 2010
BT1 PWR Type Reactors

→ **CHINON-B3 REACTOR**

(Electricite de France, Avoine, Indre-et-Loire, France)
DA August 19, 2010
BT1 PWR Type Reactors

→ **CHINON-B4 REACTOR**

(Electricite de France, Avoine, Indre-et-Loire, France)
DA August 19, 2010
BT1 PWR Type Reactors

CHLORINE 28

DA January 19, 2007
BT1 Chlorine Isotopes
BT1 Light Nuclei
BT1 Odd-Odd Nuclei
BT1 Proton Decay Radioisotopes

CHLORINE 29

DA January 19, 2007
BT1 Chlorine Isotopes
BT1 Light Nuclei
BT1 Nanoseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Proton Decay Radioisotopes

CHLORINE 30

DA January 19, 2007
BT1 Chlorine Isotopes
BT1 Light Nuclei
BT1 Nanoseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Proton Decay Radioisotopes

CHLORINE 50

DA January 19, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Chlorine Isotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei

→ **CHOOZ-A REACTOR**

(Electricite de France, Chooz, Ardennes, France. Prior to August 2010 ARDENNES REACTOR was used for this reactor.)

DA August 19, 2010
UF *Ardennes Reactor*
UF *SENA Reactor*
SF *Chooz Reactor*

BT1 PWR Type Reactors

→ **CHOOZ-B1 REACTOR**

(Electricite de France, Chooz, Ardennes, France. Prior to August 2010 ARDENNES B-1 REACTOR was used for this reactor.)

DA August 19, 2010
UF *Ardennes B-1 Reactor*
BT1 PWR Type Reactors

→ **CHOOZ-B2 REACTOR**

(Electricite de France, Chooz, Ardennes, France. Prior to August 2010 ARDENNES B-2 REACTOR was used for this reactor.)

DA August 19, 2010
UF *Ardennes B-2 Reactor*
BT1 PWR Type Reactors

CHROMIUM 67

DA October 22, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Chromium Isotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes

CHROMIUM 68

DA June 2, 2009
BT1 Beta-Minus Decay Radioisotopes
BT1 Chromium Isotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei

COBALT 49

DA January 19, 2007
BT1 Cobalt Isotopes
BT1 Electron Capture Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Nanoseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Proton Decay Radioisotopes

COBALT 51

DA January 19, 2007
BT1 Cobalt Isotopes
BT1 Electron Capture Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

COBALT 71

DA January 19, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Cobalt Isotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei

COBALT 72

DA January 19, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Cobalt Isotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei

COBALT 73

DA January 19, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Cobalt Isotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei

September 1, 2010

COBALT 74

DA January 19, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Cobalt Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei

COBALT 75

DA January 19, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Cobalt Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

Compact Reprocessing of Advanced Fuels in Lead Cell

DA December 22, 2009
USE CORAL Reprocessing Plant

CONDENSING BOILERS

DA July 19, 2007
BT1 Boilers
RT Flue Gas
RT Vapor Condensers

COPERNICIUM

(Prior to May 2010 ELEMENT 112 was used for this element.)

DA May 25, 2010
UF *Eka-Mercury*
UF *Element 112*
UF *Ununbium*
BT1 Transactinide Elements

COPERNICIUM 277

(Prior to May 2010 ELEMENT 112 277 was used for this concept.)

DA May 25, 2010
UF *Element 112 277*
BT1 Alpha Decay Radioisotopes
BT1 Copernicium Isotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Microseconds Living Radioisotopes

COPERNICIUM 278

DA May 25, 2010
BT1 Copernicium Isotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Microseconds Living Radioisotopes

COPERNICIUM 282

DA May 25, 2010
BT1 Copernicium Isotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Microseconds Living Radioisotopes
BT1 Spontaneous Fission Radioisotopes

COPERNICIUM 283

(Prior to May 2010 ELEMENT 112 283 was used for this concept.)

DA May 25, 2010
UF *Element 112 283*
BT1 Copernicium Isotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Minutes Living Radioisotopes
BT1 Spontaneous Fission Radioisotopes

COPERNICIUM 284

DA May 25, 2010
BT1 Copernicium Isotopes
BT1 Even-Even Nuclei

BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Spontaneous Fission Radioisotopes

COPERNICIUM 285

DA May 25, 2010
BT1 Alpha Decay Radioisotopes
BT1 Copernicium Isotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Minutes Living Radioisotopes
BT1 Seconds Living Radioisotopes

COPERNICIUM COMPOUNDS

(Prior to May 2010 ELEMENT 112 COMPOUNDS was used for this concept.)

DA May 25, 2010
UF *Element 112 Compounds*
BT1 Transactinide Compounds

COPERNICIUM ISOTOPES

(Prior to May 2010 ELEMENT 112 ISOTOPES was used for this concept.)

DA May 25, 2010
UF *Element 112 Isotopes*
BT1 Isotopes
NT1 Copernicium 277
NT1 Copernicium 278
NT1 Copernicium 282
NT1 Copernicium 283
NT1 Copernicium 284
NT1 Copernicium 285

COPPER 52

DA October 22, 2007
BT1 Copper Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei
BT1 Proton Decay Radioisotopes

COPPER 53

DA October 22, 2007
BT1 Copper Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei
BT1 Proton Decay Radioisotopes

COPPER 54

DA October 22, 2007
BT1 Copper Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei
BT1 Proton Decay Radioisotopes

COPPER 55

DA October 22, 2007
BT1 Copper Isotopes
BT1 Electron Capture Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

COPPER 80

DA October 22, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Copper Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei

CORAL REPROCESSING PLANT

(Compact Reprocessing of Advanced fuels in Lead cell, Indira Gandhi Centre for Atomic Energy, Kalpakkam, India. Demonstration plant for breeder reactor fuel reprocessing.)

DA December 22, 2009
UF *Compact Reprocessing of Advanced Fuels in Lead Cell*
BT1 Demonstration Plants
BT1 Fuel Reprocessing Plants
RT Kalpakkam LMFBR Reactor
RT Mixed Carbide Fuels

→ CRUAS-1 REACTOR

(Electricite de France, Cruas/Meysse, Ardeche, France)
DA August 19, 2010
UF *Cruas Meysse-1 Reactor*
BT1 PWR Type Reactors

→ Cruas Meysse-1 Reactor

DA August 19, 2010
USE Cruas-1 Reactor

→ Cruas Meysse-2 Reactor

DA August 19, 2010
USE Cruas-2 Reactor

→ Cruas Meysse-3 Reactor

DA August 19, 2010
USE Cruas-3 Reactor

→ Cruas Meysse-4 Reactor

DA August 19, 2010
USE Cruas-4 Reactor

CT-GUIDED RADIOTHERAPY

DA November 30, 2007
UF *TomoTherapy*
BT1 Radiotherapy
RT Computerized Tomography
DEF Computerized tomography image-guided radiotherapy

CURIUM 233

DA January 22, 2007
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Curium Isotopes
BT1 Electron Capture Radioisotopes
BT1 Even-Odd Nuclei
BT1 Minutes Living Radioisotopes

CURIUM 234

DA January 22, 2007
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Curium Isotopes
BT1 Electron Capture Radioisotopes
BT1 Even-Even Nuclei
BT1 Minutes Living Radioisotopes

CURIUM 235

DA January 22, 2007
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Curium Isotopes
BT1 Electron Capture Radioisotopes
BT1 Even-Odd Nuclei
BT1 Minutes Living Radioisotopes

D ANTIQUARKS

DA June 28, 2007
BT1 Antiquarks
BT1 D Quarks

D-BRANES

DA August 15, 2007
BT1 Branes
DEF Special class of branes with specified Dirichlet boundary conditions.

September 1, 2010

DARMSTADIUM 267

DA August 28, 2007
BT1 Alpha Decay Radioisotopes
BT1 Darmstadtium Isotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Microseconds Living Radioisotopes

DARMSTADIUM 272

DA August 28, 2007
BT1 Darmstadtium Isotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Spontaneous Fission Radioisotopes

DARMSTADIUM 273

DA August 28, 2007
BT1 Alpha Decay Radioisotopes
BT1 Darmstadtium Isotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Microseconds Living Radioisotopes
BT1 Milliseconds Living Radioisotopes

DARMSTADIUM 279

DA August 28, 2007
BT1 Alpha Decay Radioisotopes
BT1 Darmstadtium Isotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Spontaneous Fission Radioisotopes

DARMSTADIUM 281

DA August 28, 2007
BT1 Darmstadtium Isotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Spontaneous Fission Radioisotopes

DE SITTER SPACE

DA August 15, 2007
BT1 Mathematical Space
RT De Sitter Group
RT Lorentz Groups
RT Space-Time
RT String Theory
RT Superstring Theory

Dirty Bombs

DA September 9, 2009
USE Radiological Dispersal Devices

DUBNIUM 264

DA January 22, 2007
BT1 Dubnium Isotopes
BT1 Heavy Nuclei
BT1 Minutes Living Radioisotopes
BT1 Odd-Odd Nuclei

DUBNIUM 265

DA January 22, 2007
BT1 Dubnium Isotopes
BT1 Heavy Nuclei
BT1 Minutes Living Radioisotopes
BT1 Odd-Even Nuclei

DUBNIUM 266

DA January 22, 2007
BT1 Dubnium Isotopes
BT1 Heavy Nuclei
BT1 Minutes Living Radioisotopes
BT1 Odd-Odd Nuclei

DUBNIUM 267

DA January 22, 2007
BT1 Dubnium Isotopes
BT1 Heavy Nuclei
BT1 Hours Living Radioisotopes
BT1 Isomeric Transition Isotopes
BT1 Odd-Even Nuclei
BT1 Spontaneous Fission Radioisotopes

DUBNIUM 268

DA January 22, 2007
BT1 Days Living Radioisotopes
BT1 Dubnium Isotopes
BT1 Heavy Nuclei
BT1 Hours Living Radioisotopes
BT1 Isomeric Transition Isotopes
BT1 Odd-Odd Nuclei
BT1 Spontaneous Fission Radioisotopes

DUBNIUM 269

DA January 22, 2007
BT1 Dubnium Isotopes
BT1 Heavy Nuclei
BT1 Hours Living Radioisotopes
BT1 Odd-Even Nuclei

Durability

DA May 29, 2008
SEE Hardness
OR Service Life
OR Wear Resistance
DEF Ability of equipment or materials to remain useful after a great amount of usage or a long period of time.

DYSPROSIUM 138

DA October 22, 2007
BT1 Dysprosium Isotopes
BT1 Electron Capture Radioisotopes
BT1 Even-Even Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Rare Earth Nuclei

DYSPROSIUM 139

DA October 22, 2007
BT1 Dysprosium Isotopes
BT1 Electron Capture Radioisotopes
BT1 Even-Odd Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Rare Earth Nuclei

DYSPROSIUM 170

DA October 22, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Dysprosium Isotopes
BT1 Even-Even Nuclei
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

DYSPROSIUM 171

DA October 22, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Dysprosium Isotopes
BT1 Even-Odd Nuclei
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

DYSPROSIUM 172

DA October 22, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Dysprosium Isotopes
BT1 Even-Even Nuclei
BT1 Rare Earth Nuclei

DYSPROSIUM 173

DA October 22, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Dysprosium Isotopes
BT1 Even-Odd Nuclei
BT1 Rare Earth Nuclei

Ecobalance

(NOT for ECOLOGICAL BALANCE.)
DA February 25, 2008
USE Life Cycle Assessment

ECOLOGICAL BALANCE

DA February 25, 2008
RT Ecological Succession
RT Ecology
RT Ecosystems
RT Genetic Variability
RT Population Dynamics
RT Species Diversity
DEF State of dynamic equilibrium within a community of organisms in which genetic, species and ecosystem diversity remain relatively stable.

EGYPTIAN ATOMIC ENERGY COMMISSION

DA October 12, 2006
BT1 Egyptian Organizations

EINSTEINIUM 240

DA October 22, 2007
BT1 Actinide Nuclei
BT1 Einsteinium Isotopes
BT1 Electron Capture Radioisotopes
BT1 Odd-Odd Nuclei

EINSTEINIUM 241

DA October 22, 2007
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Einsteinium Isotopes
BT1 Electron Capture Radioisotopes
BT1 Odd-Even Nuclei
BT1 Seconds Living Radioisotopes

EINSTEINIUM 242

DA October 22, 2007
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Einsteinium Isotopes
BT1 Electron Capture Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Seconds Living Radioisotopes

EINSTEINIUM 257

DA October 22, 2007
BT1 Actinide Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT1 Einsteinium Isotopes
BT1 Odd-Even Nuclei
BT1 Spontaneous Fission Radioisotopes

EINSTEINIUM 258

DA October 22, 2007
BT1 Actinide Nuclei
BT1 Einsteinium Isotopes
BT1 Odd-Odd Nuclei

EINSTEINIUM HALIDES

DA February 29, 2008
BT1 Einsteinium Compounds
BT1 Halides
NT1 Einsteinium Bromides
NT1 Einsteinium Chlorides

September 1, 2010

NT1 Einsteinium Fluorides
NT1 Einsteinium Iodides

Element 109 Compounds
DA January 21, 2010
USE Meitnerium Compounds

ELEMENT 113 278
DA May 29, 2007
BT1 Alpha Decay Radioisotopes
BT1 Element 113 Isotopes
BT1 Heavy Nuclei
BT1 Microseconds Living Radioisotopes
BT1 Odd-Odd Nuclei

ELEMENT 113 283
DA May 29, 2007
BT1 Alpha Decay Radioisotopes
BT1 Element 113 Isotopes
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei

ELEMENT 113 284
DA May 29, 2007
BT1 Alpha Decay Radioisotopes
BT1 Element 113 Isotopes
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei

ELEMENT 113 ISOTOPES
DA May 29, 2007
BT1 Isotopes
NT1 Element 113 284
NT1 Element 113 283
NT1 Element 113 278

ELEMENT 114 285
DA September 25, 2007
BT1 Alpha Decay Radioisotopes
BT1 Element 114 Isotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Microseconds Living Radioisotopes

ELEMENT 114 286
DA September 25, 2007
BT1 Alpha Decay Radioisotopes
BT1 Element 114 Isotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Spontaneous Fission Radioisotopes

ELEMENT 114 287
DA September 25, 2007
BT1 Alpha Decay Radioisotopes
BT1 Element 114 Isotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes

ELEMENT 114 288
DA September 25, 2007
BT1 Alpha Decay Radioisotopes
BT1 Element 114 Isotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes

ELEMENT 114 289
DA September 25, 2007
BT1 Alpha Decay Radioisotopes
BT1 Element 114 Isotopes

BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Seconds Living Radioisotopes

ELEMENT 114 292
DA May 25, 2010
BT1 Element 114 Isotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei

ELEMENT 114 ISOTOPES
DA September 25, 2007
BT1 Isotopes
NT1 Element 114 285
NT1 Element 114 286
NT1 Element 114 287
NT1 Element 114 288
NT1 Element 114 289
NT1 Element 114 292

ELEMENT 115 287
DA June 22, 2007
BT1 Alpha Decay Radioisotopes
BT1 Element 115 Isotopes
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei

ELEMENT 115 288
DA June 22, 2007
BT1 Alpha Decay Radioisotopes
BT1 Element 115 Isotopes
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei

ELEMENT 115 ISOTOPES
DA June 22, 2007
BT1 Isotopes
NT1 Element 115 287
NT1 Element 115 288

ELEMENT 116 290
DA October 21, 2008
BT1 Alpha Decay Radioisotopes
BT1 Element 116 Isotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes

ELEMENT 116 291
DA October 21, 2008
BT1 Alpha Decay Radioisotopes
BT1 Element 116 Isotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes

ELEMENT 116 292
DA October 21, 2008
BT1 Alpha Decay Radioisotopes
BT1 Element 116 Isotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei

ELEMENT 116 293
DA October 21, 2008
BT1 Alpha Decay Radioisotopes
BT1 Element 116 Isotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei

ELEMENT 116 ISOTOPES
DA October 21, 2008
BT1 Isotopes

NT1 Element 116 290
NT1 Element 116 291
NT1 Element 116 292
NT1 Element 116 293

ELEMENT 117 ISOTOPES
DA June 14, 2007
BT1 Isotopes

ELEMENT 118 294
DA October 21, 2008
BT1 Alpha Decay Radioisotopes
BT1 Element 118 Isotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei

ELEMENT 118 ISOTOPES
DA October 21, 2008
BT1 Isotopes
NT1 Element 118 294

ELEMENT 119 ISOTOPES
DA June 14, 2007
BT1 Isotopes

ELEMENT 124
DA May 25, 2010
UF *Unbiquadium*
BT1 Transactinide Elements

ELEMENT 124 312
DA May 25, 2010
BT1 Element 124 Isotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei

ELEMENT 124 ISOTOPES
DA May 25, 2010
BT1 Isotopes
NT1 Element 124 312

ERBIUM 143
DA October 22, 2007
BT1 Electron Capture Radioisotopes
BT1 Erbium Isotopes
BT1 Even-Odd Nuclei
BT1 Rare Earth Nuclei

ERBIUM 144
DA October 22, 2007
BT1 Electron Capture Radioisotopes
BT1 Erbium Isotopes
BT1 Even-Even Nuclei
BT1 Rare Earth Nuclei

ERBIUM 176
DA October 22, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Erbium Isotopes
BT1 Even-Even Nuclei
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

ERBIUM 177
DA October 22, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Erbium Isotopes
BT1 Even-Odd Nuclei
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

EUPHRATES RIVER
DA May 19, 2009
UF *Furat River*
BT1 Rivers

September 1, 2010

RT Iraq
RT Syria
RT Turkey

EUROPIUM 132

DA January 26, 2007
BT1 Beta-Plus Decay Radioisotopes
BT1 Electron Capture Radioisotopes
BT1 Europium Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Proton Decay Radioisotopes
BT1 Rare Earth Nuclei

EUROPIUM 133

DA January 26, 2007
BT1 Electron Capture Radioisotopes
BT1 Europium Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Rare Earth Nuclei

EUROPIUM 163

DA January 26, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Europium Isotopes
BT1 Odd-Even Nuclei
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

EUROPIUM 164

DA January 26, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Europium Isotopes
BT1 Odd-Even Nuclei
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

EUROPIUM 165

DA January 26, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Europium Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Rare Earth Nuclei

EUROPIUM 166

DA January 26, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Europium Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Rare Earth Nuclei

EUROPIUM 167

DA January 26, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Europium Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Rare Earth Nuclei

FERMIUM 241

DA October 21, 2008
BT1 Actinide Nuclei
BT1 Even-Odd Nuclei
BT1 Fermium Isotopes
BT1 Microseconds Living Radioisotopes
BT1 Spontaneous Fission Radioisotopes

FERMIUM 260

DA October 22, 2007
BT1 Actinide Nuclei
BT1 Even-Even Nuclei
BT1 Fermium Isotopes

BT1 Spontaneous Fission Radioisotopes

FERMIUM 264

DA May 25, 2010
BT1 Actinide Nuclei
BT1 Even-Even Nuclei
BT1 Fermium Isotopes
BT1 Spontaneous Fission Radioisotopes

FERMIUM HALIDES

DA February 29, 2008
BT1 Fermium Compounds
BT1 Halides
NT1 Fermium Bromides
NT1 Fermium Chlorides
NT1 Fermium Iodides

Fissile Materials Cut-Off Treaty

DA March 29, 2010
USE FMCT

→ FLAMANVILLE-3 REACTOR

(European Pressurised Reactor - EPR,
Electricite de France, Flamanville,
Manche, France)
DA August 20, 2010
BT1 PWR Type Reactors

FLAME EXTINCTION

DA January 12, 2007
RT Flame Propagation
RT Flames

FLUORINE 28

DA January 26, 2007
BT1 Fluorine Isotopes
BT1 Light Nuclei
BT1 Nanoseconds Living Radioisotopes
BT1 Odd-Even Nuclei

FLUORINE 30

DA January 26, 2007
BT1 Fluorine Isotopes
BT1 Light Nuclei
BT1 Nanoseconds Living Radioisotopes
BT1 Odd-Even Nuclei

FLUORINE 31

DA January 26, 2007
BT1 Fluorine Isotopes
BT1 Light Nuclei
BT1 Nanoseconds Living Radioisotopes
BT1 Odd-Even Nuclei

FMCT

DA March 29, 2010
UF *Fissile Materials Cut-Off Treaty*
BT1 Treaties
RT Arms Control
RT Nuclear Disarmament
RT Nuclear Freeze
RT Nuclear Weapons

FRANCIUM HALIDES

DA January 26, 2007
BT1 Francium Compounds
BT1 Halides
NT1 Francium Chlorides

Furat River

DA May 19, 2009
USE Euphrates River

GADOLINIUM 134

DA January 29, 2007

BT1 Even-Even Nuclei
BT1 Gadolinium Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Rare Earth Nuclei

GADOLINIUM 136

DA January 29, 2007
BT1 Even-Even Nuclei
BT1 Gadolinium Isotopes
BT1 Nanoseconds Living Radioisotopes
BT1 Rare Earth Nuclei

GADOLINIUM 166

DA January 29, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Gadolinium Isotopes
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

GADOLINIUM 167

DA January 29, 2007
BT1 Even-Odd Nuclei
BT1 Gadolinium Isotopes
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

GADOLINIUM 168

DA January 29, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Gadolinium Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Rare Earth Nuclei

GADOLINIUM 169

DA January 29, 2007
BT1 Even-Odd Nuclei
BT1 Gadolinium Isotopes
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

GALLIUM 56

DA April 19, 2007
BT1 Gallium Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

GALLIUM 57

DA April 19, 2007
BT1 Gallium Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

GALLIUM 58

DA April 19, 2007
BT1 Gallium Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

GALLIUM 59

DA April 19, 2007
BT1 Gallium Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

GALLIUM 85

DA April 19, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Gallium Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

GALLIUM 86

DA April 19, 2007

September 1, 2010

BT1 Beta-Minus Decay Radioisotopes
BT1 Gallium Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei

GERMANIUM 58

DA January 29, 2007
BT1 Even-Even Nuclei
BT1 Germanium Isotopes
BT1 Intermediate Mass Nuclei

GERMANIUM 59

DA January 29, 2007
BT1 Even-Odd Nuclei
BT1 Germanium Isotopes
BT1 Intermediate Mass Nuclei

GERMANIUM 60

DA January 29, 2007
BT1 Even-Even Nuclei
BT1 Germanium Isotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes

GERMANIUM 63

DA January 29, 2007
BT1 Beta-Plus Decay Radioisotopes
BT1 Electron Capture Radioisotopes
BT1 Even-Odd Nuclei
BT1 Germanium Isotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes

GERMANIUM 86

DA January 29, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Germanium Isotopes
BT1 Intermediate Mass Nuclei
BT1 Nanoseconds Living Radioisotopes

GERMANIUM 87

DA January 29, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Germanium Isotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes

GERMANIUM 88

DA January 29, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Germanium Isotopes
BT1 Intermediate Mass Nuclei
BT1 Nanoseconds Living Radioisotopes

GERMANIUM 89

DA January 29, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Germanium Isotopes
BT1 Intermediate Mass Nuclei
BT1 Nanoseconds Living Radioisotopes

GOLD 169

DA October 22, 2007
BT1 Gold Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei

→ *Gravelines-B2 Reactor*
DA August 20, 2010
USE Gravelines-2 Reactor

→ *Gravelines-B3 Reactor*
DA August 20, 2010
USE Gravelines-3 Reactor

→ *Gravelines-B4 Reactor*
DA August 20, 2010
USE Gravelines-4 Reactor

→ *Gravelines-C5 Reactor*
DA August 20, 2010
USE Gravelines-5 Reactor

Green Energy

DA September 6, 2007
SEE Renewable Energy Sources

GREEN ROOFS

DA May 11, 2007
RT1 Roofs
DEF Roofs at least partially covered with vegetation and including supporting systems such as waterproofing, drainage systems, and growing mediums.

HAFNIUM 153

DA November 8, 2007
BT1 Even-Odd Nuclei
BT1 Hafnium Isotopes
BT1 Intermediate Mass Nuclei

HAFNIUM 187

DA November 8, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Hafnium Isotopes
BT1 Heavy Nuclei
BT1 Seconds Living Radioisotopes

HAFNIUM 188

DA November 8, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Hafnium Isotopes
BT1 Heavy Nuclei
BT1 Seconds Living Radioisotopes

HASSIUM 263

DA January 29, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Hassium Isotopes
BT1 Heavy Nuclei

HASSIUM 269

DA January 29, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Hassium Isotopes
BT1 Heavy Nuclei
BT1 Seconds Living Radioisotopes

HASSIUM 272

DA January 29, 2007
BT1 Even-Even Nuclei
BT1 Hassium Isotopes
BT1 Heavy Nuclei
BT1 Seconds Living Radioisotopes

HASSIUM 274

DA January 29, 2007
BT1 Even-Even Nuclei
BT1 Hassium Isotopes
BT1 Heavy Nuclei
BT1 Minutes Living Radioisotopes

HASSIUM 275

DA January 29, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Hassium Isotopes
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes

HASSIUM 276

DA January 29, 2007
BT1 Even-Even Nuclei
BT1 Hassium Isotopes
BT1 Heavy Nuclei
BT1 Hours Living Radioisotopes

HEAT ISLANDS

DA January 29, 2009
BT1 Heat Sources
RT1 District Heating
RT1 Urban Areas
RT1 Waste Heat
DEF Areas which are significantly warmer than their surroundings, often due to urban development or discharge of waste heat.

HEATING LOOPS

DA July 19, 2007
BT1 Heating Systems
RT1 Coolant Loops
RT1 Heat Transfer Fluids

HIGASHIDORI-1 REACTOR

(Tohoku Electric Power Co., Higashidori, Aomori, Japan)
DA July 24, 2008
BT1 BWR Type Reactors

HOLMIUM 140

DA February 8, 2007
BT1 Holmium Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Proton Decay Radioisotopes
BT1 Rare Earth Nuclei

HOLMIUM 142

DA February 8, 2007
BT1 Electron Capture Radioisotopes
BT1 Holmium Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Rare Earth Nuclei

HOLMIUM 173

DA February 8, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Holmium Isotopes
BT1 Odd-Even Nuclei
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

HOLMIUM 174

DA February 8, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Holmium Isotopes
BT1 Odd-Odd Nuclei
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

HOLMIUM 175

DA February 8, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Holmium Isotopes
BT1 Odd-Even Nuclei

September 1, 2010

BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

HOLY SEE

DA March 28, 2008
UF *Vatican City State*
BT1 Developed Countries
BT1 Western Europe
RT Italy

HYDROKINETIC POWER

DA December 30, 2008
BT1 Electric Power
BT1 Renewable Energy Sources
RT Water Current Power Generators
RT Water Currents
DEF Electric power generated from moving water without dams or other structures typically used at conventional hydropower facilities; for the latter, use HYDROELECTRIC POWER.

Hydrokinetic Power Generators

DA December 30, 2008
USE Water Current Power Generators

INDIGENOUS PEOPLES

DA May 29, 2008
BT1 Human Populations
NT1 American Indians
NT1 Eskimos
NT1 Sami People

INDIUM 97

DA November 8, 2007
BT1 Electron Capture Radioisotopes
BT1 Indium Isotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei

INDIUM 98

DA November 8, 2007
BT1 Electron Capture Radioisotopes
BT1 Indium Isotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Seconds Living Radioisotopes

INDIUM 99

DA November 8, 2007
BT1 Electron Capture Radioisotopes
BT1 Indium Isotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei
BT1 Seconds Living Radioisotopes

INDUSTRIAL BUILDINGS

DA July 19, 2007
BT1 Buildings
RT Industrial Plants
RT Industry

IODINE 143

DA November 8, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Iodine Isotopes
BT1 Odd-Even Nuclei

IODINE 144

DA November 8, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei

BT1 Iodine Isotopes
BT1 Odd-Odd Nuclei

IRIDIUM 164

DA July 17, 2007
BT1 Alpha Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Iridium Isotopes
BT1 Microseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Proton Decay Radioisotopes

IRIDIUM 165

DA July 17, 2007
BT1 Alpha Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Iridium Isotopes
BT1 Microseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Proton Decay Radioisotopes

IRIDIUM 202

DA March 2, 2010
BT1 Beta-Minus Decay Radioisotopes
BT1 Heavy Nuclei
BT1 Iridium Isotopes
BT1 Odd-Odd Nuclei
BT1 Seconds Living Radioisotopes

IRIDIUM NITRIDES

DA February 23, 2010
BT1 Iridium Compounds
BT1 Nitrides

IRON 69

DA November 8, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Iron Isotopes
BT1 Milliseconds Living Radioisotopes

IRON 70

DA November 8, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Iron Isotopes
BT1 Milliseconds Living Radioisotopes

IRON 71

DA November 8, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Iron Isotopes

IRON 72

DA November 8, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Iron Isotopes

J-PARC

(Japan Atomic Energy Agency and High Energy Accelerator Research Organization, Tokai, Japan)
DA February 23, 2007
UF *Japan Proton Accelerator Research Complex*
BT1 Synchrotrons

Jadrova Vyradovacia Spolocnost (Bohunice)

DA July 29, 2008

USE JaVvS

Japan Proton Accelerator Research Complex

DA February 23, 2007
USE J-PARC

JATROPHA

DA December 8, 2009
BT1 Magnoliopsida
BT1 Shrubs

JAVYS

(JAdrova VYradovacia Spolocnost, a.s. (Nuclear decommissioning joint stock company) in Jaslovske Bohunice consists of the following plants: Bohunice Radioactive Waste Processing Center, Mochovce Radioactive Waste Repository, Bohunice A-1 Reactor, Bohunice V-1 Reactor and Spent Fuel Storage for Bohunice V-2 Reactor.)

DA July 29, 2008
UF *Jadrova Vyradovacia Spolocnost (Bohunice)*
BT1 Slovak Organizations

KITES

(NOT for the species of hawk with this name.)

DA May 15, 2007
BT1 Aircraft
DEF Small heavier-than-air craft flown in the wind at the end of a string or similar tether.

KRYPTON 99

DA November 30, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Krypton Isotopes
BT1 Milliseconds Living Radioisotopes

KRYPTON 100

DA November 30, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Krypton Isotopes

LAMINAR FLAMES

DA January 12, 2007
BT1 Flames
RT Laminar Flow

LANTHANUM 117

DA November 20, 2007
BT1 Electron Capture Radioisotopes
BT1 Lanthanum Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Proton Decay Radioisotopes
BT1 Rare Earth Nuclei

LANTHANUM 118

DA November 20, 2007
BT1 Electron Capture Radioisotopes
BT1 Lanthanum Isotopes
BT1 Odd-Odd Nuclei
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

September 1, 2010

LANTHANUM 119

DA November 20, 2007
BT1 Electron Capture Radioisotopes
BT1 Lanthanum Isotopes
BT1 Odd-Even Nuclei
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

LANTHANUM 151

DA November 20, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Lanthanum Isotopes
BT1 Odd-Even Nuclei
BT1 Rare Earth Nuclei

LANTHANUM 152

DA November 20, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Lanthanum Isotopes
BT1 Odd-Odd Nuclei
BT1 Rare Earth Nuclei

LANTHANUM 153

DA November 20, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Lanthanum Isotopes
BT1 Odd-Even Nuclei
BT1 Rare Earth Nuclei

LANTHANUM 154

DA November 20, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Lanthanum Isotopes
BT1 Odd-Odd Nuclei
BT1 Rare Earth Nuclei

LANTHANUM 155

DA November 20, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Lanthanum Isotopes
BT1 Odd-Even Nuclei
BT1 Rare Earth Nuclei

LARGE-EDDY SIMULATION

DA December 10, 2009
BT1 Computerized Simulation
RT Turbulent Flow
DEF Numerical technique for solution of partial differential equations governing turbulent fluid flow.

Latin American Energy Organization

DA October 12, 2006
USE OLADE

LAWRENCIUM 251

DA November 20, 2007
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Electron Capture Radioisotopes
BT1 Lawrencium Isotopes
BT1 Odd-Even Nuclei

LAWRENCIUM 264

DA November 20, 2007
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Lawrencium Isotopes
BT1 Odd-Odd Nuclei

LAWRENCIUM 265

DA November 20, 2007
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Lawrencium Isotopes

BT1 Odd-Even Nuclei

LAWRENCIUM 266

DA November 20, 2007
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Lawrencium Isotopes
BT1 Odd-Odd Nuclei

LEAD 178

DA February 8, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Lead Isotopes
BT1 Microseconds Living Radioisotopes

LEAD 179

DA February 8, 2007
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Lead Isotopes
BT1 Milliseconds Living Radioisotopes

LEAD 181

DA February 8, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Lead Isotopes
BT1 Milliseconds Living Radioisotopes

LEWIS NUMBER

DA January 12, 2007
BT1 Dimensionless Numbers
RT Heat Transfer
RT Mass Transfer

LITHIUM-POLYMER BATTERIES

DA July 10, 2008
BT1 Metal-Nonmetal Batteries
DEF Li batteries with polymeric, ion-conducting electrolyte/separators.

LUTETIUM 150

DA February 8, 2007
BT1 Electron Capture Radioisotopes
BT1 Lutetium Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Proton Decay Radioisotopes
BT1 Rare Earth Nuclei

M-THEORY

DA August 14, 2007
UF *Brane Models*
UF *Brane Cosmology*
UF *Brane Theory*
SF *Membrane Theory*
NT1 String Theory
RT Cosmological Models
RT General Relativity Theory
RT Particle Interactions
RT Particle Models
RT Quantum Mechanics
RT Standard Model
RT Supergravity
RT Supersymmetry
DEF Highly symmetric multi-dimensional theory of particles and their interactions; generalization of supergravity and related by weak-strong duality to each of the five known variations of string theory.

MAGNESIUM 37

DA February 8, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Light Nuclei
BT1 Magnesium Isotopes
BT1 Nanoseconds Living Radioisotopes

MAGNESIUM 38

DA December 19, 2006
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Light Nuclei
BT1 Magnesium Isotopes

MALDIVES

DA May 14, 2008
BT1 Asia
BT1 Developing Countries
BT1 Islands
RT Indian Ocean

MANGANESE 45

DA February 12, 2007
BT1 Intermediate Mass Nuclei
BT1 Manganese Isotopes
BT1 Nanoseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Proton Decay Radioisotopes

MANGANESE 66

DA February 12, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Manganese Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei

MANGANESE 67

DA February 12, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Manganese Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei

MANGANESE 68

DA February 12, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Manganese Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei

MANGANESE 69

DA February 12, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Manganese Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei

MANGANESE 70

DA June 2, 2009
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Manganese Isotopes
BT1 Odd-Odd Nuclei

MEITNERIUM 265

DA March 5, 2007
BT1 Heavy Nuclei
BT1 Meitnerium Isotopes
BT1 Minutes Living Radioisotopes
BT1 Odd-Even Nuclei

September 1, 2010

MEITNERIUM 267

DA March 5, 2007
BT1 Heavy Nuclei
BT1 Meitnerium Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei

MEITNERIUM 270

DA March 5, 2007
BT1 Alpha Decay Radioisotopes
BT1 Heavy Nuclei
BT1 Meitnerium Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei

MEITNERIUM 271

DA March 5, 2007
BT1 Heavy Nuclei
BT1 Meitnerium Isotopes
BT1 Odd-Even Nuclei
BT1 Seconds Living Radioisotopes

MEITNERIUM 272

DA March 5, 2007
BT1 Heavy Nuclei
BT1 Meitnerium Isotopes
BT1 Odd-Even Nuclei
BT1 Seconds Living Radioisotopes

MEITNERIUM 273

DA March 5, 2007
BT1 Heavy Nuclei
BT1 Meitnerium Isotopes
BT1 Odd-Even Nuclei
BT1 Seconds Living Radioisotopes

MEITNERIUM 274

DA March 5, 2007
BT1 Heavy Nuclei
BT1 Meitnerium Isotopes
BT1 Odd-Even Nuclei
BT1 Seconds Living Radioisotopes

MEITNERIUM 275

DA March 5, 2007
BT1 Alpha Decay Radioisotopes
BT1 Heavy Nuclei
BT1 Meitnerium Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei

MEITNERIUM 276

DA March 5, 2007
BT1 Alpha Decay Radioisotopes
BT1 Heavy Nuclei
BT1 Meitnerium Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei

MEITNERIUM 279

DA March 5, 2007
BT1 Heavy Nuclei
BT1 Meitnerium Isotopes
BT1 Minutes Living Radioisotopes
BT1 Odd-Even Nuclei

MEITNERIUM COMPOUNDS

DA January 21, 2010
UF *Element 109 Compounds*
BT1 Transactinide Compounds

Membrane Theory

(This term is used with different meanings in biological science and high-energy physics.)
DA August 15, 2007

SEE Cell Membranes
OR M-Theory

MENDELEVIUM 245

DA November 30, 2007
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Electron Capture Radioisotopes
BT1 Mendeleevium Isotopes
BT1 Microseconds Living Radioisotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Spontaneous Fission Radioisotopes

MENDELEVIUM 246

DA November 30, 2007
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Electron Capture Radioisotopes
BT1 Mendeleevium Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Spontaneous Fission Radioisotopes

MENDELEVIUM 262

DA November 30, 2007
BT1 Actinide Nuclei
BT1 Mendeleevium Isotopes
BT1 Odd-Even Nuclei

MERCURY 171

DA November 30, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Mercury Isotopes
BT1 Microseconds Living Radioisotopes

MERCURY 172

DA November 30, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Mercury Isotopes
BT1 Microseconds Living Radioisotopes

MERCURY 173

DA November 30, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Mercury Isotopes
BT1 Microseconds Living Radioisotopes

MERCURY 174

DA November 30, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Mercury Isotopes
BT1 Milliseconds Living Radioisotopes

MINERAL-INSULATED CABLES

DA July 10, 2008
BT1 Electric Cables
RT Buildings
RT Fire Prevention

MLIS

(Molecular Laser Isotope Separation)
DA February 23, 2010
USE Laser Isotope Separation

MOLYBDENUM 83

DA June 12, 2007

BT1 Electron Capture Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Molybdenum Isotopes

MOLYBDENUM 111

DA June 12, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Molybdenum Isotopes

MOLYBDENUM 112

DA June 12, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Molybdenum Isotopes

MOLYBDENUM 113

DA June 12, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Molybdenum Isotopes

MOLYBDENUM 114

DA June 12, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Molybdenum Isotopes

MOLYBDENUM 115

DA June 12, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Molybdenum Isotopes

MONTENEGRO

DA November 17, 2006
SF *Yugoslavia*
SF *Serbia and Montenegro*
BT1 Developing Countries
BT1 Eastern Europe

→ *Monts d'Arree Reactor*

DA August 19, 2010
USE EL-4 Reactor

NASA (Argentina)

DA March 30, 2009
USE Argentine NASA

NEODYMIUM 124

DA March 13, 2007
BT1 Even-Even Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei

NEODYMIUM 126

DA March 13, 2007
BT1 Electron Capture Radioisotopes
BT1 Even-Even Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei

NEODYMIUM 157

DA March 13, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei

September 1, 2010

BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei

NEODYMIUM 158

DA March 13, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei

NEODYMIUM 159

DA March 13, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei

NEODYMIUM 160

DA March 13, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei

NEODYMIUM 161

DA March 13, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei

NEON 31

DA March 13, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Light Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Neon Isotopes

NEON 33

DA March 13, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Light Nuclei
BT1 Nanoseconds Living Radioisotopes
BT1 Neon Isotopes

NEON 34

DA March 13, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Light Nuclei
BT1 Microseconds Living Radioisotopes
BT1 Neon Isotopes

NICKEL 48

DA March 13, 2007
BT1 Electron Capture Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Nickel Isotopes

NICKEL 51

DA March 13, 2007
BT1 Electron Capture Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Nickel Isotopes

NICKEL 75

DA March 13, 2007
BT1 Beta-Minus Decay Radioisotopes

BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Nickel Isotopes

NICKEL 76

DA March 13, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Nickel Isotopes

NICKEL 77

DA March 13, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Nickel Isotopes

NIObIUM 81

DA April 20, 2007
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Niobium Isotopes
BT1 Odd-Even Nuclei

NIObIUM 82

DA April 20, 2007
BT1 Electron Capture Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Niobium Isotopes
BT1 Odd-Odd Nuclei

NIObIUM 107

DA April 20, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Niobium Isotopes
BT1 Odd-Even Nuclei

NIObIUM 109

DA April 20, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Niobium Isotopes
BT1 Odd-Even Nuclei

NIObIUM 110

DA April 20, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Niobium Isotopes
BT1 Odd-Odd Nuclei

NIObIUM 111

DA April 20, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Niobium Isotopes
BT1 Odd-Even Nuclei

NIObIUM 112

DA April 20, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Niobium Isotopes
BT1 Odd-Odd Nuclei

NIObIUM 113

DA April 20, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Niobium Isotopes
BT1 Odd-Even Nuclei

NITROGEN 10

DA November 30, 2007
BT1 Light Nuclei
BT1 Nitrogen Isotopes
BT1 Odd-Odd Nuclei
BT1 Proton Decay Radioisotopes

NITROGEN 24

DA November 30, 2007
BT1 Light Nuclei
BT1 Nitrogen Isotopes
BT1 Odd-Odd Nuclei

NITROGEN 25

DA November 30, 2007
BT1 Light Nuclei
BT1 Nitrogen Isotopes
BT1 Odd-Even Nuclei

NOBELIUM 248

DA April 23, 2007
BT1 Actinide Nuclei
BT1 Even-Even Nuclei
BT1 Nobelium Isotopes

NOBELIUM 263

DA April 23, 2007
BT1 Actinide Nuclei
BT1 Even-Odd Nuclei
BT1 Nobelium Isotopes

→ NOGENT-1 REACTOR

(Electricite de France, Nogent-sur-Seine, Aube, France. Prior to August 2010 NOGENT SUR SEINE-1 REACTOR was used for this reactor.)
DA August 20, 2010
UF *Nogent sur Seine-1 Reactor*
BT1 PWR Type Reactors

→ NOGENT-2 REACTOR

(Electricite de France, Nogent-sur-Seine, Aube, France. Prior to August 2010 NOGENT SUR SEINE-2 REACTOR was used for this reactor.)
DA August 20, 2010
UF *Nogent sur Seine-2 Reactor*
BT1 PWR Type Reactors

Noto-2 Reactor

DA July 24, 2008
USE Shika-2 Reactor

OLADE

DA October 12, 2006
UF *Organizacion Latinoamericana de Energia*
UF *Latin American Energy Organization*
BT1 International Organizations

OPALINUS CLAY

DA January 28, 2009
BT1 Clays
RT Radioactive Waste Disposal
RT Underground Disposal

September 1, 2010

Organizacion Latinoamericana de Energia

DA October 12, 2006
USE OLADE

OSMIUM 161

DA August 28, 2009
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Microseconds Living Radioisotopes
BT1 Osmium Isotopes

OSMIUM 197

DA October 12, 2006
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Minutes Living Radioisotopes
BT1 Osmium Isotopes

OSMIUM 199

DA November 30, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Osmium Isotopes
BT1 Seconds Living Radioisotopes

OSMIUM 200

DA March 2, 2010
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Osmium Isotopes
BT1 Seconds Living Radioisotopes

OSMIUM NITRIDES

DA February 23, 2010
BT1 Nitrides
BT1 Osmium Compounds

OXYFUEL COMBUSTION PROCESS

DA September 7, 2007
BT1 Combustion
RT Air Pollution Abatement
RT Carbon Sequestration
RT Combustion Control
DEF Combustion of a fuel with pure oxygen instead of air.

OXYGEN 25

DA March 9, 2007
BT1 Even-Odd Nuclei
BT1 Light Nuclei
BT1 Nanoseconds Living Radioisotopes
BT1 Oxygen Isotopes

OXYGEN 26

DA March 9, 2007
BT1 Even-Even Nuclei
BT1 Light Nuclei
BT1 Nanoseconds Living Radioisotopes
BT1 Oxygen Isotopes

OXYGEN 27

DA March 9, 2007
BT1 Even-Odd Nuclei
BT1 Light Nuclei
BT1 Nanoseconds Living Radioisotopes
BT1 Oxygen Isotopes

P-Branes

DA August 15, 2007
USE Branes

PALLADIUM 91

DA November 20, 2007
BT1 Electron Capture Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Palladium Isotopes

PALLADIUM 92

DA November 20, 2007
BT1 Electron Capture Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Palladium Isotopes

PALLADIUM 121

DA November 20, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Palladium Isotopes

PALLADIUM 122

DA November 20, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Palladium Isotopes

PALLADIUM 123

DA November 20, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Palladium Isotopes

PALLADIUM 124

DA November 20, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Palladium Isotopes

→ **PENLY-2 REACTOR**

(Electricite de France,
Saint-Martin-en-Campagne/Penly,
Seine-Maritime, France)
DA August 20, 2010
BT1 PWR Type Reactors

→ **PENLY-3 REACTOR**

(European Pressurized Reactor - EPR,
Electricite de France,
Saint-Martin-en-Campagne/Penly,
Seine-Maritime, France; construction
of Penly-3 will start in 2012.)
DA August 20, 2010
BT1 PWR Type Reactors

PHI MESONS

DA March 1, 2007
BT1 Mesons
NT1 Phi3-1850 Mesons
NT1 Phi-1020 Mesons
NT1 Phi-1680 Mesons

PLATINUM 166

DA April 7, 2009
BT1 Alpha Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Microseconds Living Radioisotopes
BT1 Platinum Isotopes

PLATINUM 167

DA April 7, 2009
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Microseconds Living Radioisotopes
BT1 Platinum Isotopes

PLATINUM NITRIDES

DA February 23, 2010
BT1 Nitrides
BT1 Platinum Compounds

POLONIUM 186

DA May 24, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Microseconds Living Radioisotopes
BT1 Polonium Isotopes

POLONIUM 187

DA May 24, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Polonium Isotopes

POLONIUM 189

DA April 23, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Polonium Isotopes

POLONIUM 191

DA April 23, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Polonium Isotopes

POLONIUM HALIDES

DA February 29, 2008
BT1 Halides
BT1 Polonium Compounds
NT1 Polonium Bromides
NT1 Polonium Chlorides
NT1 Polonium Fluorides
NT1 Polonium Iodides

POTASSIUM 32

DA November 30, 2007
BT1 Light Nuclei
BT1 Odd-Odd Nuclei
BT1 Potassium Isotopes

POTASSIUM 33

DA November 30, 2007
BT1 Light Nuclei
BT1 Odd-Even Nuclei
BT1 Potassium Isotopes
BT1 Proton Decay Radioisotopes

POTASSIUM 34

DA November 30, 2007
BT1 Light Nuclei
BT1 Odd-Odd Nuclei
BT1 Potassium Isotopes
BT1 Proton Decay Radioisotopes

September 1, 2010

POTASSIUM 55

DA November 30, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei
BT1 Potassium Isotopes

POTASSIUM 56

DA June 2, 2009
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei
BT1 Potassium Isotopes

PRASEODYMIUM 122

DA April 23, 2007
BT1 Odd-Even Nuclei
BT1 Praseodymium Isotopes
BT1 Rare Earth Nuclei

PRASEODYMIUM 123

DA April 23, 2007
BT1 Odd-Even Nuclei
BT1 Praseodymium Isotopes
BT1 Rare Earth Nuclei

PRASEODYMIUM 155

DA April 23, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Odd-Even Nuclei
BT1 Praseodymium Isotopes
BT1 Rare Earth Nuclei

PRASEODYMIUM 156

DA April 23, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Odd-Even Nuclei
BT1 Praseodymium Isotopes
BT1 Rare Earth Nuclei

PRASEODYMIUM 157

DA April 23, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Praseodymium Isotopes
BT1 Rare Earth Nuclei

PRASEODYMIUM 158

DA April 23, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Praseodymium Isotopes
BT1 Rare Earth Nuclei

PRASEODYMIUM 159

DA April 23, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Praseodymium Isotopes
BT1 Rare Earth Nuclei

PROBABILITY DENSITY FUNCTIONS

DA January 12, 2007
BT1 Functions
RT Density Functional Method
RT Probability
RT Statistics
DEF Real-valued functions whose integrals over sets give the probabilities that random variables have values in these sets.

PROMETHIUM 126

DA November 30, 2007
BT1 Electron Capture Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Promethium Isotopes
BT1 Rare Earth Nuclei

PROMETHIUM 127

DA November 30, 2007
BT1 Electron Capture Radioisotopes
BT1 Odd-Even Nuclei
BT1 Promethium Isotopes
BT1 Rare Earth Nuclei

PROMETHIUM 128

DA November 30, 2007
BT1 Electron Capture Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Promethium Isotopes
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

PROMETHIUM 159

DA November 30, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Odd-Even Nuclei
BT1 Promethium Isotopes
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

PROMETHIUM 160

DA November 30, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Promethium Isotopes
BT1 Rare Earth Nuclei

PROMETHIUM 161

DA November 30, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Odd-Even Nuclei
BT1 Promethium Isotopes
BT1 Rare Earth Nuclei

PROMETHIUM 162

DA November 30, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Promethium Isotopes
BT1 Rare Earth Nuclei

PROMETHIUM 163

DA November 30, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Odd-Even Nuclei
BT1 Promethium Isotopes
BT1 Rare Earth Nuclei

PROMETHIUM HALIDES

DA February 29, 2008
BT1 Halides
BT1 Promethium Compounds
NT1 Promethium Bromides
NT1 Promethium Chlorides
NT1 Promethium Fluorides
NT1 Promethium Iodides

PROTACTINIUM 240

DA November 30, 2007
BT1 Actinide Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Protactinium Isotopes

PROTACTINIUM HALIDES

DA February 29, 2008
BT1 Halides
BT1 Protactinium Compounds
NT1 Protactinium Bromides
NT1 Protactinium Chlorides
NT1 Protactinium Fluorides
NT1 Protactinium Iodides

PROTON CONDUCTIVITY

DA May 15, 2007
BT1 Ionic Conductivity

QUATERNARY AMMONIUM COMPOUNDS

(Prior to September 2009 QUATERNARY COMPOUNDS was used for this concept.)
DA August 28, 2009
UF+ TEAB
UF+ Tetraethylammonium Bromide
SF Quaternary Compounds
BT1 Ammonium Compounds
NT1 Acetylcholine
NT1 Betaine
NT1 Choline
NT1 Pyridinium Compounds
RT Ammonia

RADIOLOGICAL DISPERSAL DEVICES

DA September 9, 2009
UF Dirty Bombs
BT1 Weapons
RT Biological Radiation Effects
RT Contamination
RT National Security
RT Radiological Warfare
DEF Devices or mechanisms that spread radioactive material by detonating explosives or by other means, with the intention to kill and/or cause disruption in a city or nation.

RADIUM 201

DA November 30, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Radium Isotopes

RADIUM 202

DA November 30, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Radium Isotopes

RADIUM 203

DA November 30, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Radium Isotopes

RADIUM 204

DA November 30, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Radium Isotopes

RADIUM HALIDES

DA February 29, 2008

September 1, 2010

BT1 Halides
BT1 Radium Compounds
NT1 Radium Bromides
NT1 Radium Chlorides
NT1 Radium Fluorides

RADON 193

DA April 23, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Radon Isotopes

RADON 194

DA April 23, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Microseconds Living Radioisotopes
BT1 Radon Isotopes

RADON 195

DA April 23, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Radon Isotopes

RADON 198

DA April 23, 2007
BT1 Alpha Decay Radioisotopes
BT1 Electron Capture Radioisotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Radon Isotopes

RADON 229

DA June 2, 2009
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Radon Isotopes

RAYLEIGH NUMBER

DA January 12, 2007
BT1 Dimensionless Numbers
RT Forced Convection
RT Natural Convection

REDOX FLOW BATTERIES

DA May 24, 2007
BT1 Electric Batteries
RT Redox Fuel Cells

RHENIUM 159

DA July 3, 2007
BT1 Intermediate Mass Nuclei
BT1 Microseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Proton Decay Radioisotopes
BT1 Rhenium Isotopes

RHENIUM 160

DA July 3, 2007
BT1 Alpha Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Isomeric Transition Isotopes
BT1 Microseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Proton Decay Radioisotopes
BT1 Rhenium Isotopes

RHENIUM 193

DA July 3, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Heavy Nuclei
BT1 Odd-Even Nuclei
BT1 Rhenium Isotopes

RHENIUM 194

DA July 3, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Heavy Nuclei
BT1 Isomeric Transition Isotopes
BT1 Microseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Rhenium Isotopes
BT1 Seconds Living Radioisotopes

RHENIUM 195

DA March 2, 2010
BT1 Beta-Minus Decay Radioisotopes
BT1 Heavy Nuclei
BT1 Odd-Even Nuclei
BT1 Rhenium Isotopes
BT1 Seconds Living Radioisotopes

RHENIUM 196

DA March 2, 2010
BT1 Beta-Minus Decay Radioisotopes
BT1 Heavy Nuclei
BT1 Isomeric Transition Isotopes
BT1 Odd-Odd Nuclei
BT1 Rhenium Isotopes
BT1 Seconds Living Radioisotopes

RHODIUM 89

DA October 6, 2006
BT1 Electron Capture Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Microseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Rhodium Isotopes

RHODIUM 119

DA November 30, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei
BT1 Rhodium Isotopes

RHODIUM 120

DA November 30, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Rhodium Isotopes

RHODIUM 121

DA November 30, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Rhodium Isotopes

RHODIUM 122

DA November 30, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Rhodium Isotopes

RHODIUM NITRATES

DA August 28, 2009

BT1 Nitrates
BT1 Rhodium Compounds

ROENTGENIUM 273

DA May 14, 2007
BT1 Alpha Decay Radioisotopes
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Roentgenium Isotopes

ROENTGENIUM 274

DA May 14, 2007
BT1 Alpha Decay Radioisotopes
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Roentgenium Isotopes

ROKKASHO URANIUM ENRICHMENT PLANT

DA March 29, 2010
BT1 Centrifuge Enrichment Plants
RT Japan

RUBIDIUM 71

DA December 27, 2007
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei
BT1 Proton Decay Radioisotopes
BT1 Rubidium Isotopes

RUBIDIUM 72

DA December 27, 2007
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei
BT1 Proton Decay Radioisotopes
BT1 Rubidium Isotopes

RUTHENIUM 87

DA June 12, 2007
BT1 Electron Capture Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Microseconds Living Radioisotopes
BT1 Ruthenium Isotopes

RUTHENIUM 115

DA June 12, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Ruthenium Isotopes

RUTHENIUM 116

DA June 12, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Ruthenium Isotopes

RUTHENIUM 117

DA June 12, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Ruthenium Isotopes

RUTHENIUM 118

DA June 12, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei

September 1, 2010

BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Ruthenium Isotopes

RUTHENIUM 119

DA June 12, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Ruthenium Isotopes

RUTHENIUM 120

DA June 12, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Ruthenium Isotopes

RUTHERFORDIUM 264

DA December 27, 2007
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Rutherfordium Isotopes

RUTHERFORDIUM 265

DA December 27, 2007
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Rutherfordium Isotopes

RUTHERFORDIUM 266

DA December 27, 2007
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Rutherfordium Isotopes

RUTHERFORDIUM 267

DA December 27, 2007
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Rutherfordium Isotopes
BT1 Spontaneous Fission Radioisotopes

RUTHERFORDIUM 268

DA December 27, 2007
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Rutherfordium Isotopes

S ANTIQUARKS

DA June 28, 2007
BT1 Antiquarks
BT1 S Quarks

S-Branes

DA August 15, 2007
USE Branes

→ **SAINT LAURENT-A1 REACTOR**

(Electricite de France,
Saint-Laurent-Nouan, Loir-et-Cher,
France. Prior to August 2010
SAINT-LAURENT-1 REACTOR was
used for this reactor.)

DA August 20, 2010
UF *EDF-4 Reactor*
UF *Saint Laurent-1 Reactor*
BT1 Carbon Dioxide Cooled Reactors
BT1 GCR Type Reactors
BT1 Power Reactors
BT1 Thermal Reactors

→ **SAINT LAURENT-A2 REACTOR**

(Electricite de France,
Saint-Laurent-Nouan, Loir-et-Cher,
France. Prior to August 2010

SAINT-LAURENT-2 REACTOR was
used for this reactor.)

DA August 20, 2010
UF *Saint Laurent-2 Reactor*
BT1 Carbon Dioxide Cooled Reactors
BT1 GCR Type Reactors
BT1 Power Reactors
BT1 Thermal Reactors

→ **SAINT LAURENT-B2 REACTOR**

(Electricite de France,
Saint-Laurent-Nouan, Loir-et-Cher,
France)

DA August 20, 2010
UF *Saint-Laurent SLB2 Reactor*
BT1 PWR Type Reactors

→ *Saint-Laurent SLB1 Reactor*

DA August 20, 2010
USE Saint Laurent-B1 Reactor

→ *Saint-Laurent SLB2 Reactor*

DA August 20, 2010
USE Saint Laurent-B2 Reactor

SALINE AQUIFERS

DA May 29, 2008
BT1 Aquifers
RT Brines
RT Salinity
RT Seawater

SAMARIUM 128

DA April 24, 2007
BT1 Even-Even Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Rare Earth Nuclei
BT1 Samarium Isotopes

SAMARIUM 129

DA April 24, 2007
BT1 Electron Capture Radioisotopes
BT1 Even-Odd Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Rare Earth Nuclei
BT1 Samarium Isotopes

SAMARIUM 130

DA December 19, 2006
BT1 Electron Capture Radioisotopes
BT1 Even-Even Nuclei
BT1 Rare Earth Nuclei
BT1 Samarium Isotopes
BT1 Seconds Living Radioisotopes

SAMARIUM 132

DA April 24, 2007
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 161

DA April 24, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Rare Earth Nuclei
BT1 Samarium Isotopes
BT1 Seconds Living Radioisotopes

SAMARIUM 162

DA April 24, 2007
BT1 Beta-Minus Decay Radioisotopes

BT1 Even-Even Nuclei
BT1 Rare Earth Nuclei
BT1 Samarium Isotopes
BT1 Seconds Living Radioisotopes

SAMARIUM 163

DA April 24, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Rare Earth Nuclei
BT1 Samarium Isotopes

SAMARIUM 164

DA April 24, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Rare Earth Nuclei
BT1 Samarium Isotopes

SAMARIUM 165

DA April 24, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Rare Earth Nuclei
BT1 Samarium Isotopes

SAMI PEOPLE

(Prior to September 2008 LAPPS was
used for this concept.)

DA August 29, 2008
UF *Lapps*
BT1 Indigenous Peoples
BT1 Minority Groups
RT Arctic Regions
RT Eskimos
RT Finland
RT Norway
RT Russian Federation
RT Sweden
DEF Indigenous people of northern Europe
inhabiting parts of northern Sweden,
Norway, Finland and the Kola
Peninsula of Russia.

SCANDIUM 36

DA April 23, 2007
BT1 Light Nuclei
BT1 Odd-Odd Nuclei
BT1 Proton Decay Radioisotopes
BT1 Scandium Isotopes

SCANDIUM 37

DA April 23, 2007
BT1 Light Nuclei
BT1 Odd-Even Nuclei
BT1 Proton Decay Radioisotopes
BT1 Scandium Isotopes

SCANDIUM 38

DA April 23, 2007
BT1 Light Nuclei
BT1 Nanoseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Proton Decay Radioisotopes
BT1 Scandium Isotopes

SCANDIUM 56

DA April 23, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Scandium Isotopes

September 1, 2010

SCANDIUM 59

DA April 23, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Scandium Isotopes

SCANDIUM 60

DA April 23, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Scandium Isotopes

SCANDIUM 61

DA June 2, 2009
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei
BT1 Scandium Isotopes

SEABORGIUM 258

DA April 24, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Seaborgium Isotopes
BT1 Spontaneous Fission Radioisotopes

SEABORGIUM 264

DA April 24, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Seaborgium Isotopes
BT1 Spontaneous Fission Radioisotopes

SEABORGIUM 268

DA April 24, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Seaborgium Isotopes
BT1 Seconds Living Radioisotopes
BT1 Spontaneous Fission Radioisotopes

SEABORGIUM 270

DA April 24, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Minutes Living Radioisotopes
BT1 Seaborgium Isotopes
BT1 Spontaneous Fission Radioisotopes

SEABORGIUM 271

DA April 24, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Minutes Living Radioisotopes
BT1 Seaborgium Isotopes
BT1 Spontaneous Fission Radioisotopes

SEABORGIUM 272

DA April 24, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Heavy Nuclei
BT1 Seaborgium Isotopes
BT1 Spontaneous Fission Radioisotopes

SEABORGIUM 273

DA April 24, 2007
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Seaborgium Isotopes
BT1 Spontaneous Fission Radioisotopes

SELENIUM 64

DA March 15, 2007
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Nanoseconds Living Radioisotopes
BT1 Selenium Isotopes

SEMISUBMERSIBLE PLATFORMS

DA July 10, 2008
BT1 Offshore Platforms

SENSORS

(Coordinate this descriptor with one for the instrument of which the sensor is a component.)

DA July 2, 2007
RT Electronic Equipment
RT Measuring Instruments
RT Probes
RT Remote Sensing
RT Sense Organs

SERBIA

DA November 17, 2006
SF *Yugoslavia*
SF *Serbia and Montenegro*
BT1 Developing Countries
BT1 Eastern Europe
RT Danube River

SHIKA-2 REACTOR

(Hokuriku Electric Power Co., Shika, Ishikawa, Japan)
DA July 24, 2008
UF *Noto-2 Reactor*
BT1 BWR Type Reactors

SILICON 43

DA December 27, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Silicon Isotopes

SILICON 44

DA December 27, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Silicon Isotopes

SILVER 93

DA January 16, 2008
BT1 Electron Capture Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei
BT1 Silver Isotopes

SILVER 124

DA January 16, 2008
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Silver Isotopes

SILVER 125

DA January 16, 2008

BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Silver Isotopes

SILVER 126

DA January 16, 2008
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Silver Isotopes

SILVER 127

DA January 16, 2008
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Silver Isotopes

SILVER 128

DA January 16, 2008
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Silver Isotopes

SILVER 129

DA January 16, 2008
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Silver Isotopes

SILVER 130

DA January 16, 2008
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Silver Isotopes

SODIUM 18

DA January 16, 2008
BT1 Light Nuclei
BT1 Odd-Odd Nuclei
BT1 Sodium Isotopes

SODIUM 37

DA January 16, 2008
BT1 Beta-Minus Decay Radioisotopes
BT1 Light Nuclei
BT1 Odd-Even Nuclei
BT1 Sodium Isotopes

STRAGGLING

(Coordinate with descriptor for the particle involved.)
DA October 21, 2008
RT Charged-Particle Transport Theory
RT Energy Losses
RT Range
RT Slowing-Down
RT Stopping Power
DEF Variation in the range of a particle traversing matter due to random collisions along its path.

STRING THEORY

DA August 15, 2007
BT1 M-Theory

September 1, 2010

NT1 Superstring Theory

- RT Field Theories
- RT Quark Matter
- RT String Models
- RT Branes
- RT De Sitter Space
- RT Anti De Sitter Space
- DEF Attempt to unify all the fundamental interactions in nature; it has five components: one bosonic string theory and four superstring theories.

STRONTIUM 73

- DA July 17, 2007
- BT1 Electron Capture Radioisotopes
- BT1 Even-Odd Nuclei
- BT1 Intermediate Mass Nuclei
- BT1 Strontium Isotopes

STRONTIUM 74

- DA July 17, 2007
- BT1 Electron Capture Radioisotopes
- BT1 Even-Even Nuclei
- BT1 Intermediate Mass Nuclei
- BT1 Strontium Isotopes

STRONTIUM 103

- DA July 17, 2007
- BT1 Beta-Minus Decay Radioisotopes
- BT1 Even-Odd Nuclei
- BT1 Intermediate Mass Nuclei
- BT1 Strontium Isotopes

STRONTIUM 104

- DA July 17, 2007
- BT1 Beta-Minus Decay Radioisotopes
- BT1 Even-Even Nuclei
- BT1 Intermediate Mass Nuclei
- BT1 Strontium Isotopes

STRONTIUM 105

- DA July 17, 2007
- BT1 Beta-Minus Decay Radioisotopes
- BT1 Even-Odd Nuclei
- BT1 Intermediate Mass Nuclei
- BT1 Strontium Isotopes

SULFUR 26

- DA April 24, 2007
- BT1 Even-Even Nuclei
- BT1 Light Nuclei
- BT1 Milliseconds Living Radioisotopes
- BT1 Proton Decay Radioisotopes
- BT1 Sulfur Isotopes

SULFUR 49

- DA April 24, 2007
- BT1 Even-Odd Nuclei
- BT1 Intermediate Mass Nuclei
- BT1 Sulfur Isotopes

SUPERCOOLING

- DA June 12, 2008
- BT1 Cooling
- RT Boiling Points
- RT Melting Points
- RT Solidification

→ **SUPERPHENIX REACTOR**

- (Electricite de France, Creys-Mepieu, Isere, France. Prior to August 2010 SUPER PHENIX REACTOR was used for this reactor.)
- DA August 20, 2010
- UF *Creys-Malville Reactor*

UF *Super Phenix Reactor*

- BT1 Enriched Uranium Reactors
- BT1 LMFBR Type Reactors
- BT1 Plutonium Reactors
- BT1 Sodium Cooled Reactors

SUPERSTRING THEORY

- DA August 15, 2007
- BT1 String Theory
- RT Superstring Models
- RT Supersymmetry
- RT De Sitter Space
- RT Anti De Sitter Space
- DEF Attempt to explain all of the particles and fundamental forces of nature in one theory by modeling them as vibrations of tiny supersymmetric strings; four variations exist: Type I, Type IIA, Type IIB and Heterotic.

SWITCHGRASS

- DA April 28, 2009
- BT1 Gramineae
- RT Biomass
- RT Cellulosic Ethanol

T ANTIQUARKS

- DA June 28, 2007
- BT1 Antiquarks
- BT1 T Quarks

TANTALUM 155

- DA January 18, 2008
- BT1 Intermediate Mass Nuclei
- BT1 Odd-Even Nuclei
- BT1 Proton Decay Radioisotopes
- BT1 Tantalum Isotopes

TANTALUM 187

- DA January 18, 2008
- BT1 Beta-Minus Decay Radioisotopes
- BT1 Heavy Nuclei
- BT1 Minutes Living Radioisotopes
- BT1 Odd-Even Nuclei
- BT1 Tantalum Isotopes

TANTALUM 188

- DA January 18, 2008
- BT1 Beta-Minus Decay Radioisotopes
- BT1 Heavy Nuclei
- BT1 Odd-Odd Nuclei
- BT1 Seconds Living Radioisotopes
- BT1 Tantalum Isotopes

TANTALUM 189

- DA January 18, 2008
- BT1 Beta-Minus Decay Radioisotopes
- BT1 Heavy Nuclei
- BT1 Odd-Even Nuclei
- BT1 Tantalum Isotopes

TANTALUM 190

- DA January 18, 2008
- BT1 Beta-Minus Decay Radioisotopes
- BT1 Heavy Nuclei
- BT1 Odd-Odd Nuclei
- BT1 Tantalum Isotopes

TECHNETIUM 85

- DA January 18, 2008
- BT1 Electron Capture Radioisotopes
- BT1 Intermediate Mass Nuclei
- BT1 Milliseconds Living Radioisotopes
- BT1 Odd-Even Nuclei
- BT1 Technetium Isotopes

TECHNETIUM 86

- DA January 18, 2008
- BT1 Electron Capture Radioisotopes
- BT1 Intermediate Mass Nuclei
- BT1 Isomeric Transition Isotopes
- BT1 Microseconds Living Radioisotopes
- BT1 Milliseconds Living Radioisotopes
- BT1 Odd-Odd Nuclei
- BT1 Technetium Isotopes

TECHNETIUM 87

- DA January 18, 2008
- BT1 Electron Capture Radioisotopes
- BT1 Intermediate Mass Nuclei
- BT1 Odd-Even Nuclei
- BT1 Seconds Living Radioisotopes
- BT1 Technetium Isotopes

TECHNETIUM 114

- DA January 18, 2008
- BT1 Beta-Minus Decay Radioisotopes
- BT1 Intermediate Mass Nuclei
- BT1 Milliseconds Living Radioisotopes
- BT1 Odd-Odd Nuclei
- BT1 Technetium Isotopes

TECHNETIUM 115

- DA January 18, 2008
- BT1 Beta-Minus Decay Radioisotopes
- BT1 Intermediate Mass Nuclei
- BT1 Milliseconds Living Radioisotopes
- BT1 Odd-Even Nuclei
- BT1 Technetium Isotopes

TECHNETIUM 116

- DA January 18, 2008
- BT1 Beta-Minus Decay Radioisotopes
- BT1 Intermediate Mass Nuclei
- BT1 Milliseconds Living Radioisotopes
- BT1 Odd-Odd Nuclei
- BT1 Technetium Isotopes

TECHNETIUM 117

- DA January 18, 2008
- BT1 Beta-Minus Decay Radioisotopes
- BT1 Intermediate Mass Nuclei
- BT1 Milliseconds Living Radioisotopes
- BT1 Odd-Even Nuclei
- BT1 Technetium Isotopes

TECHNETIUM 118

- DA January 18, 2008
- BT1 Beta-Minus Decay Radioisotopes
- BT1 Intermediate Mass Nuclei
- BT1 Odd-Odd Nuclei
- BT1 Technetium Isotopes

TELLURIUM 105

- DA April 23, 2007
- BT1 Alpha Decay Radioisotopes
- BT1 Even-Odd Nuclei
- BT1 Intermediate Mass Nuclei
- BT1 Nanoseconds Living Radioisotopes
- BT1 Tellurium Isotopes

TELLURIUM 139

- DA April 23, 2007
- BT1 Beta-Minus Decay Radioisotopes
- BT1 Even-Odd Nuclei
- BT1 Intermediate Mass Nuclei
- BT1 Tellurium Isotopes

TELLURIUM 140

- DA April 23, 2007
- BT1 Beta-Minus Decay Radioisotopes

September 1, 2010

BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Tellurium Isotopes

TELLURIUM 141

DA April 23, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Tellurium Isotopes

TELLURIUM 142

DA April 23, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Tellurium Isotopes

TERBIUM 135

DA April 27, 2007
BT1 Microseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Proton Decay Radioisotopes
BT1 Rare Earth Nuclei
BT1 Terbium Isotopes

TERBIUM 136

DA April 27, 2007
BT1 Electron Capture Radioisotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Rare Earth Nuclei
BT1 Terbium Isotopes

TERBIUM 137

DA April 27, 2007
BT1 Electron Capture Radioisotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Proton Decay Radioisotopes
BT1 Rare Earth Nuclei
BT1 Terbium Isotopes

TERBIUM 138

DA April 27, 2007
BT1 Electron Capture Radioisotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Proton Decay Radioisotopes
BT1 Rare Earth Nuclei
BT1 Terbium Isotopes

TERBIUM 142

DA April 27, 2007
BT1 Electron Capture Radioisotopes
BT1 Isomeric Transition Isotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Rare Earth Nuclei
BT1 Terbium Isotopes

TERBIUM 167

DA April 27, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Odd-Even Nuclei
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes
BT1 Terbium Isotopes

TERBIUM 168

DA April 27, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes

BT1 Terbium Isotopes

TERBIUM 169

DA April 27, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Odd-Even Nuclei
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes
BT1 Terbium Isotopes

TERBIUM 170

DA April 27, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes
BT1 Terbium Isotopes

TERBIUM 171

DA April 27, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Rare Earth Nuclei
BT1 Terbium Isotopes

THALLIUM 176

DA April 24, 2007
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Proton Decay Radioisotopes
BT1 Thallium Isotopes

THALLIUM 177

DA April 24, 2007
BT1 Alpha Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Proton Decay Radioisotopes
BT1 Thallium Isotopes

THALLIUM 178

DA April 24, 2007
BT1 Alpha Decay Radioisotopes
BT1 Electron Capture Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Thallium Isotopes

THALLIUM 180

DA April 24, 2007
BT1 Alpha Decay Radioisotopes
BT1 Electron Capture Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei
BT1 Seconds Living Radioisotopes
BT1 Thallium Isotopes

THALLIUM 181

DA April 24, 2007
BT1 Alpha Decay Radioisotopes
BT1 Electron Capture Radioisotopes
BT1 Heavy Nuclei
BT1 Odd-Even Nuclei
BT1 Seconds Living Radioisotopes
BT1 Thallium Isotopes

THALLIUM 211

DA April 24, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Heavy Nuclei
BT1 Odd-Even Nuclei

BT1 Thallium Isotopes

THALLIUM 212

DA April 24, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Heavy Nuclei
BT1 Odd-Odd Nuclei
BT1 Thallium Isotopes

THORIUM 208

DA January 30, 2008
BT1 Actinide Nuclei
BT1 Even-Even Nuclei
BT1 Thorium Isotopes

THORIUM 209

DA January 30, 2008
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Thorium Isotopes

THORIUM 210

DA January 30, 2008
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Thorium Isotopes

THORIUM 211

DA January 30, 2008
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Thorium Isotopes

THULIUM 178

DA January 30, 2008
BT1 Beta-Minus Decay Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes
BT1 Thulium Isotopes

THULIUM 179

DA January 30, 2008
BT1 Beta-Minus Decay Radioisotopes
BT1 Odd-Even Nuclei
BT1 Rare Earth Nuclei
BT1 Seconds Living Radioisotopes
BT1 Thulium Isotopes

TIN 99

DA April 24, 2007
BT1 Electron Capture Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Tin Isotopes

TIN 136

DA April 24, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Tin Isotopes

TITANIUM 38

DA January 30, 2008
BT1 Even-Even Nuclei
BT1 Light Nuclei

September 1, 2010

BT1 Titanium Isotopes

TITANIUM 61

DA January 30, 2008
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Titanium Isotopes

TITANIUM 62

DA January 30, 2008
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Titanium Isotopes

TITANIUM 63

DA January 30, 2008
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Titanium Isotopes

TOMARI-3 REACTOR

(Hokkaido Electric Power Co., Tomari,
Hokkaido, Japan)
DA May 27, 2010
BT1 PWR Type Reactors

Tomotherapy

DA November 30, 2007
USE CT-Guided Radiotherapy

TRICASTIN-2 REACTOR

(Electricite de France,
Saint-Paul-Trois-Chateaux, Drome,
France)
DA July 6, 2010
BT1 PWR Type Reactors

TRICASTIN-3 REACTOR

(Electricite de France,
Saint-Paul-Trois-Chateaux, Drome,
France)
DA July 6, 2010
BT1 PWR Type Reactors

TUNGSTEN 157

DA August 28, 2009
BT1 Beta-Plus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Tungsten Isotopes

TUNGSTEN 191

DA April 24, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Heavy Nuclei
BT1 Tungsten Isotopes

U ANTIQUARKS

DA June 28, 2007
BT1 Antiquarks
BT1 U Quarks

Unbiquadium

DA May 25, 2010
USE Element 124

UNCONSOLIDATED ROCK

DA December 15, 2009
UF *Weakly Cemented Formations*

BT1 Geologic Structures

RT Rocks

DEF Rock that is weakly cemented or so poorly consolidated that it disintegrates under forces exerted upon it.

UNFCCC

DA March 29, 2010
UF *United Nations Framework Convention on Climate Change*
BT1 International Agreements
RT Climatic Change

United Nations Framework Convention on Climate Change

DA March 29, 2010
USE UNFCCC

URANIUM 217

DA April 24, 2007
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Uranium Isotopes

URANIUM 220

DA April 24, 2007
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Uranium Isotopes

URANIUM 221

DA April 24, 2007
BT1 Actinide Nuclei
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Uranium Isotopes

VANADIUM 40

DA January 30, 2008
BT1 Light Nuclei
BT1 Odd-Odd Nuclei
BT1 Proton Decay Radioisotopes
BT1 Vanadium Isotopes

VANADIUM 41

DA January 30, 2008
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei
BT1 Proton Decay Radioisotopes
BT1 Vanadium Isotopes

VANADIUM 64

DA January 30, 2008
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Vanadium Isotopes

VANADIUM 65

DA January 30, 2008
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Vanadium Isotopes

VANADIUM 66

DA June 2, 2009
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei

BT1 Odd-Odd Nuclei

BT1 Vanadium Isotopes

VAPOR EXPLOSIONS

DA December 10, 2009
BT1 Explosions
RT Reactor Accidents
RT Vapors

Vatican City State

DA March 28, 2008
USE Holy See

Weakly Cemented Formations

DA December 15, 2009
USE Unconsolidated Rock

WEBSITES

DA November 30, 2006
BT1 Document Types

WEYBURN FIELD

DA June 17, 2008
BT1 Oil Fields
NT1 Saskatchewan
RT Carbon Sequestration
DEF Petroleum deposit now being studied as a possible site for carbon sequestration.

XENON 109

DA April 20, 2007
BT1 Alpha Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Xenon Isotopes

XENON 147

DA April 20, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Xenon Isotopes

YTTERBIUM 148

DA January 30, 2008
BT1 Electron Capture Radioisotopes
BT1 Even-Even Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Rare Earth Nuclei
BT1 Ytterbium Isotopes

YTTERBIUM 149

DA January 30, 2008
BT1 Electron Capture Radioisotopes
BT1 Even-Odd Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Rare Earth Nuclei
BT1 Ytterbium Isotopes

YTTERBIUM 181

DA January 30, 2008
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Rare Earth Nuclei
BT1 Ytterbium Isotopes

YTRIUM 76

DA May 14, 2007
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei
BT1 Yttrium Isotopes

September 1, 2010

YTTRIUM 78

DA May 14, 2007
BT1 Electron Capture Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Seconds Living Radioisotopes
BT1 Yttrium Isotopes

YTTRIUM 104

DA May 14, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Yttrium Isotopes

YTTRIUM 105

DA May 14, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Even Nuclei
BT1 Yttrium Isotopes

YTTRIUM 106

DA May 14, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Odd-Odd Nuclei
BT1 Yttrium Isotopes

YTTRIUM 107

DA May 14, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Even Nuclei
BT1 Yttrium Isotopes

YTTRIUM 108

DA May 14, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Odd-Odd Nuclei
BT1 Yttrium Isotopes

ZINC 54

DA January 30, 2008
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Proton Decay Radioisotopes
BT1 Zinc Isotopes

ZINC 55

DA January 30, 2008
BT1 Electron Capture Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Proton Decay Radioisotopes
BT1 Zinc Isotopes

ZINC 56

DA January 30, 2008
BT1 Electron Capture Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Proton Decay Radioisotopes
BT1 Zinc Isotopes

ZINC 82

DA January 30, 2008
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei

BT1 Zinc Isotopes

ZINC 83

DA January 30, 2008
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Zinc Isotopes

ZIRCONIUM 78

DA May 14, 2007
BT1 Electron Capture Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Zirconium Isotopes

ZIRCONIUM 79

DA May 14, 2007
BT1 Electron Capture Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Milliseconds Living Radioisotopes
BT1 Zirconium Isotopes

ZIRCONIUM 106

DA May 14, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Zirconium Isotopes

ZIRCONIUM 107

DA May 14, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Odd Nuclei
BT1 Intermediate Mass Nuclei
BT1 Zirconium Isotopes

ZIRCONIUM 108

DA May 14, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Zirconium Isotopes

ZIRCONIUM 110

DA May 14, 2007
BT1 Beta-Minus Decay Radioisotopes
BT1 Even-Even Nuclei
BT1 Intermediate Mass Nuclei
BT1 Zirconium Isotopes

ZWITTERIONIC COMPOUNDS

DA March 5, 2007
UF *Zwitterions*
BT1 Polar Compounds
DEF Neutral compounds having formal unit electrical charges of opposite sign on different atoms.

Zwitterions

DA March 5, 2007
USE Zwitterionic Compounds