

ACRONYMS AND ABBREVIATIONS

A	Ampere(s)
ac	Alternating current
ADU	Ammonium diuranate
AISI	American Iron and Steel Institute
AMR	Automatic mesh refinement (computer code)
amu	Atomic mass unit
ANSI	American National Standards Institute
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
atm	Atmosphere(s)
AVLIS	Atomic vapor laser isotope separation
Barn	A unit of area used in expressing nuclear cross sections
BNC	Baby "N" connector
Bq	Becquerel(s)
Btu	British thermal unit(s)
°C	Degrees Celsius
CAD	Computer-aided design
cal	Calorie(s)
CAMAC	Computer automated measurement and control
CCD	Charge-coupled device
CDU	Capacitive (or capacitor) discharge unit (firing set)
Ci	Curie(s)
CIP	Cold isostatic press
cm	Centimeter(s)

CMF	Compressed magnetic flux (firing set)
CMM	Coordinate measuring machine
COLEX	Column exchange (lithium isotope separation process)
CPU	Central processing unit
CRDM	Control rod drive mechanism
CRT	Cathode ray tube
CTP	Composite theoretical performance
CVL	Copper vapor laser
CW	Continuous wave
D	Deuterium
dB	Decibel(s)
dc	Direct current
DIS	Draft International Standard
DLI	Doppler laser interferometer
DMO	Dye master oscillator
DOT	Department of Transportation
DPF	Dense plasma focus
DU	Depleted uranium
EB	Exploding bridge (detonator)
EBW	Electron-beam welding
EBW	Exploding bridgewire, sometimes taken to mean exploding bridgewire detonator
ECH	Electron cyclotron heating
EDM	Electrical discharge machine/machining
EFI	Exploding foil initiator
ELEX	Electroexchange (lithium isotope separation process)
EMIS	Electromagnetic isotope separation

EOS	Equation of state
eV	Electron volt(s)
°F	Degree(s) fahrenheit
FCG	Flux compression generator
FEL	Free electron laser
FMC	Flexible manufacturing cell
FMS	Flexible manufacturing system
FMU	Flexible manufacturing unit
ft	Foot (feet)
g	Gram(s); also acceleration of gravity (9.81 m/s ²)
gal	Gallon(s)
GBq	Gigabecquerel(s)
GDMS	Glow discharge mass spectrometer
GHz	Gigahertz(s)
GN	Giganewton(s)
GPa	Gigapascal(s)
gpm	Gallons per minute
Gy	Gray(s)
h	Hour(s)
HB	Brinell hardness
HE	High explosive
HEU	Highly-enriched uranium
HIP	Hot isostatic press
HMX	Cyclotetramethylene tetranitramine
HNS	Hexanitrostilbene
HRC	Rockwell Hardness C. A measure of hardness which is determined by a specific test

Hz	Hertz
ICF	Inertial confinement fusion
ICP/MS	Inductively coupled plasma mass spectrometer
ICR	Ion cyclotron resonance
ICRF	Ion cyclotron resonance frequency
IEC	International Electrotechnical Commission
in	Inch(es)
IP	Initial pressing (detonator)
IS	International Standard
ISO	International Organization for Standardization
J	Joule(s)
K	Kelvin(s)
keV	Thousand electron volts
kg	Kilogram(s)
kHz	Kilohertz
kip	Kilopound(s)
km	Kilometer(s)
kN	Kilonewton(s)
kPa	Kilopascal(s)
ksi	Kilopound(s) (force) per square inch
kV	Kilovolt(s)
kW	Kilowatt(s)
LANL	Los Alamos National Laboratory
lb	Pound(s)
LCD	Liquid crystal display
LEU	Low-enriched uranium

Linac	Linear accelerator
LLNL	Lawrence Livermore National Laboratory
m	Meter(s)
mA	Milliamper(e)s
mbar	Millibar(s)
MBq	Megabecquerel(s)
MCi	Megacurie(s)
mCi	Millicurie(s)
MCG	Magnetocumulative generator
MeV	Million electron volts
MHz	Megahertz
min	Minute(s)
MLIS	Molecular laser isotope separation
mm	Millimeter(s)
MOS	Metal-oxide semiconductor
m.p.	Melting point
MPa	Megapascal(s)
Mpsi	Million pounds (force) per square inch
mV	Millivolt(s)
MW	Megawatt(s)
n	Neutron
N	Newton(s)
Nd	Neodymium, or neodymium-doped
nH	Nanohenry(ies)
NIM	Nuclear instrumentation module
nm	Nanometer(s)

NQA	Nuclear quality assurance
ns	Nanosecond(s)
NSG	Nuclear Suppliers Group
OMV	Ongoing Monitoring and Verification
oz	Ounce(s)
Pa	Pascal(s)
PC	Personal computer
PCB	Polychlorinated biphenyl
PETN	Pentaerythritoltetranitrate
PFN	Pulse forming network
PLC	Programmable logic controller
PM	Photomultiplier
ppm	Parts per million
ps	Picosecond(s)
psi	Pound(s) (force) per square inch
psia	Pound(s) (force) per square inch absolute
psig	Pound(s) (force) per square inch gauge
PSP	Plasma separation process
PVD	Physical vapor deposition
PWR	Pressurized-water reactor
QA	Quality assurance
Rad	A unit of absorbed dose from ionizing radiation
RCG	Rotary contour-gage
RDX	From "Research Department Explosive," cyclotrimethylenetrinitramine
RF	Radio frequency
RGH	Rare gas halide (laser)

RH	Ranque-Hilsch
RM	Rotating mirror
RMS	Root mean square
rpm	Revolutions or rotations per minute
s	Second(s)
SCADA	Supervisory control and data acquisition
SCR	Silicon-controlled rectifier
SNL	Sandia National Laboratories
T	Tritium
TATB	Triaminotrinitrobenzene
TBP	Tri-n-butyl phosphate
TIMS	Thermal ionization mass spectrometer
TIR	Total indicator reading
Tonne	A metric ton; that is, 1000 kg or 2205 lb
tops	Theoretical operations per second
TRU	Transuranic
TSTA	Tritium systems and test assembly (LANL)
V	Volt(s)
VA	Volt-ampere(s)
VISAR	Velocity interferometer system for any reflector
W	Watt(s)
YAG	Yttrium-aluminum-garnet (laser)
mF	Microfarad(s)
mm	Micrometer(s)
ms	Microsecond(s)
\$U.S.	Dollars

α	Alpha
β	Beta
γ	Gamma

