

## Acronyms

$^3\text{H}$ FRL	$^3\text{H}$ free release limit
ACSL	Aperture-coupled stripline
AFR	Angular filter refractometry
ASBO	Active shock breakout
AWE	Atomic Weapons Establishment
AWG	Arbitrary waveform generator
BE	Beamlines Executive
Be ASCL	Beryllium acceptable surface-contamination limit
BWA	Blast window assembly
CBET	Cross-beam energy transfer
CCD	Charge-coupled device
CEA	Commissariat à l'énergie atomique et aux énergies
CEA NIS	CEA neutron imaging system
CID	Charge-injection device
CLARA	Crystal large-aperture ring amplifier
CMR	Cart Maintenance Room
CPS	Charged-particle spectrometer
CTHS	Cryogenic Target Handling System
CVD	Chemical vapor deposition
D	Deuterium
$\text{D}^3\text{He}$	Deuterium- $^3\text{He}$
DER	Driver Electronic Room
DI	Deionized
DOE	Department of Energy
DPP	Distributed phase plate
DPR	Distributed phase rotator
DT	Deuterium-tritium
EE	Experimental Executive
EMI	Electromagnetic interference
EMP	Electromagnetic pulse
EMS	End-mirror structure
EOS	Equation of state
EP	Extended Performance
EP-HXRD	OMEGA EP hard x-ray detector
EPW	Electron plasma wave
EQC	Equipment Qualification Checklist
ESO	Experimental System Operator
EXAFS	Extended x-ray absorption fine structure
F-ASP	Stage-F alignment sensor package

FABS	Full-aperture backscatter station
FASC	Facility Advisory and Scheduling Committee
FCC	Frequency-conversion crystal
FIE	Facility Interlock Executive
FLAS	Focus lens assembly
FWHM	Full width at half maximum
GA	General Atomics
GCC	Grating compressor chamber
GCD	Gas Cherenkov detector
GMXI	Gated monochromatic x-ray imager
GRH	Gamma reaction history
GUI	Graphical user interface
GXI-T	Gated XR imager-TRITON
HED	High-energy density
HED	Harmonic energy diagnostic
HT	Tritium gas
HTO	Tritiated water
HTS	Hardware Timing System
HV	High voltage
HXRSP	Henway x-ray spectrometer
HYNBT	High-yield neutron bang time
IAW	Ion-acoustic wave
ICF	Inertial confinement fusion
IPD	Imaging-plate diagnostic
IR	Infrared
IRAT	Infrared alignment table
KAP	Potassium acid phthalate
KB	Kirkpatrick-Baez
KD*P	Deuterated potassium dihydrogen phosphate
KDP	Potassium dihydrogen phosphate
LANL	Los Alamos National Laboratory
LARA	Large-aperture ring amplifier
LBO	Lithium triborate
LBS	Laboratory Basic Science
LDE	Laser Drivers Executive
LDRD	Laboratory-directed research and development
LFC	Large-format x-ray framing camera
LiNbO <sub>3</sub>	Lithium niobate
LLE	Laboratory for Laser Energetics
LLNL	Lawrence Livermore National Laboratory
MCP	Microchannel plate

MCP-PMT	Microchannel-plate photomultiplier tube
MCTC	Moving Cryostat Transfer Cart
mFM	multi-FM
MIFEDS	Magneto-inertial fusion electrical discharge system
MRS	Magnetic recoil spectrometer
MTG	Master Timing Generator
NBI	Near-backscatter imaging
NBT	Neutron bang time
Nd:YLF	Nd-doped yttrium lithium fluoride
NIC	National Ignition Campaign
NIF	National Ignition Facility
NIS	Neutron imaging system
NLUF	National Laser Users' Facility
NNSA	National Nuclear Security Administration
NRL	Naval Research Laboratory
NTD	Neutron temporal diagnostic
nTOF	Neutron time-of-flight
OHRV	OMEGA high-resolution velocimeter
OIP	OMEGA intercommunication protocol
OLUG	Omega Laser Facility Users Group
OPCPA	Optical parametric chirped-pulse amplification
OPD	Optical-path difference
OTIS	OMEGA Transport Instrumentation System
PAD	Parabola alignment diagnostic
PAM	Preamplifier module
PCE	Power Conditioning Executive
PCU	Power conditioning unit
PDD	Polar direct drive
PEPC	Plasma-electrode Pockels cell
PFN	Pulse-forming network
PGR	Pulse Generation Room
PI	Principal Investigator
PILC	Preionization and lamp check
PMA	Periscope mirror assembly
PMT	Photomultiplier tube
POL	Polarizer
POTTS	Precision Optical Timing and Triggering System
PTD	Proton temporal diagnostic
PXRDIIP	Powder diffraction image plate I
RCF	Radiochromic film
regen	Regenerative amplifier

RFG	Reference frequency generator
ROSS	Rochester Optical Streak System
RT	Rayleigh–Taylor
SBS	Stimulated Brillouin scattering
SD	Shot Director
SE	Shot Executive
SNL	Sandia National Laboratories
SOP	Streaked optical pyrometer
SPDP	Short-pulse-diagnostic package
SPM	Self-phase modulation
SRF	Shot Request Form
SRRS	Stimulated rotational Raman scattering
SRS	Stimulated Raman scattering
SSD	Smoothing by spectral dispersion
T	Tritium
TC	Target Chamber
TC-TRS	Target Chamber Tritium Recovery System
TCC	Target chamber center
TIM	Ten-inch manipulator
TLD	Thermoluminescence dosimeters
TMA	Thermal mechanical analyzer
TMS	Target mirror structure
TPDI	Two-photon decay imager
TPS	Target Positioning System
TRF	Target Request Form
TTL	Transisto-transistor logic
TTP	TIM-TPS
TVS	Target Viewing System
UFXRSC	Ultrafast x-ray streak camera
UV	Ultraviolet
UVAT	UV alignment table
VISAR	Velocity interferometry system for any reflector
WRF	Wedge-range filter
XRPHC	X-ray pinhole camera