

<b>Acronym</b>	<b>Meaning</b>
FUV	Far Ultraviolet
GC	Globular Cluster
GR	General Relativity
GRB	Gamma Ray Burst
GRMHD	General Relativistic MagnetoHydroDynamics
GSF	Gravitational Self-Force
GW	Gravitational Wave
GWB	Gravitational Wave Background
GWTC	Gravitational Wave Transient Catalog
HF	High Frequency
HFQPO	High-Frequency Quasi-Periodic Oscillations
HLX	Hyper-Luminous X-ray source
HMC	Hamiltonian Monte Carlo
HMXB	High-Mass X-ray Binary
HST	Hubble Space Telescope
IIFSCz	Imperial IRAS Faint Source Catalogue Redshift Database
ILOT	Intermediate Luminosity Optical Transient
ILRT	Intermediate Luminosity Red Transient
IMBHB	Intermediate Mass Black Hole Binary
IMF	Initial Mass Function
IMR	Inspiral-Merger-Ringdown
IMRI	Intermediate Mass-Ratio Inspiral
IR	Infrared
ISB	Instrument Science Board (of ET)
ISCO	Innermost Stable Circular Orbit
ISW	Integrated Sachs-Wolfe
JWST	James Webb Space Telescope
KAGRA	Kamioka Gravitational Wave Detector
KN	Kilonova
LBV	Luminous Blue Variable
LF	Low Frequency
LGRB	Long Gamma Ray Burst
LG	Local Group
LGWA	Lunar Gravitational Wave Antenna
LIGO	Laser Interferometer Gravitational-Wave Observatory
LIRG	Luminous InfraRed Galaxies
LISA	Laser Interferometer Space Antenna
LMC	Large Magellanic Cloud
LMXB	Low-Mass X-ray Binary
LOSS	Lick Observatory Supernova Search

<b>Acronym</b>	<b>Meaning</b>
LRN	Luminous Red Novae
LSA	Linearized Signal Approximation
LSS	Large-Scale Structure
LSST	Legacy Survey of Space and Time
LVC	LIGO-Virgo Collaboration
LVK	LIGO-Virgo-KAGRA Collaboration
LW	Lyman-Werner
MACHO	Massive Compact Halo Object
MBHB	Massive Black Hole Binary
MCMC	Markov Chain Monte Carlo
MD	Matter Dominance
MDC	Mock Data Challenge
MHD	MagnetoHydroDynamics
MIR	Mid-infrared
ML	Machine Learning
MSP	Millisecond Pulsar
MW	Milky Way
NEMO	Neutron Star Extreme Matter Observatory
NF	Normalizing Flow
NN	Newtonian Noise
NPE	Neural Posterior Estimation
NR	Numerical Relativity
NS	Neutron Star
NSBH	Neutron Star — Black Hole
NSC	Nuclear Star Cluster
OSB	Observational Science Board (of ET)
ORF	Overlap Reduction Function
PBH	Primordial Black Hole
PE	Parameter Estimation
PISN	Pair Instability Supernova
PLS	Power-Law Sensitivity
PM	post-Minkowskian
PN	post-Newtonian
PNS	Proto-Neutron Star
PPISN	Pulsation Pair Instability Supernova
PSD	Power Spectral Density
PT	Phase Transition
PTA	Pulsar Timing Array
QKP	Quasi-Keplerian Parametrization
QRPA	Quasi-particle Random Phase Approximation

<b>Acronym</b>	<b>Meaning</b>
QCD	Quantum Chromo-Dynamics
QNM	Quasi-Normal Mode
RB	Relative Binning
RD	Radiation Dominance
RHIC	Relativistic Heavy Ion Collisions
ROM	Reduced-Order Model
ROQ	Reduced-Order Quadrature
RSG	Red Super Giant
RRAT	Rotating Radio Transient
SAGB	Super Asymptotic Giant Branch
SASI	Standing Accretion Shock Instability
SBHB	Stellar-mass Black Hole Binary
SFD	Star Formation Density
SFH	Star Formation History
SFR	Star Formation Rate
SFSR	Single-Field Slow-Roll
SGWB	Stochastic Gravitational Wave Background
SIGW	Scalar-Induced Gravitational Wave
SKA	Square Kilometre Array
SLSN	Super Luminous Supernova
SM	Standard Model (of particle physics)
SMBH	Super-Massive Black Hole
SOBBH	Stellar Origin Binary Black Hole
SN	Supernova
SN Ib/c	Type Ib/Ic Supernova
SNIa	Type Ia Supernova
SNIb	Type Ib Supernova
SNIb/c	Type Ib/Ic Supernova
SNIc	Type Ic Supernova
SNIc-BL	Broad-Line Type Ic Supernova
SNII	Type II Supernova
SNII-L	Type II Linear Supernova
SNII-P	Type II Plateau Supernova
SNII-np	Type II nP Supernova
SNIIb	Type IIb Supernova
SNR	Signal-to-Noise Ratio
SPA	Stationary Phase Approximation
SPIRITS	Spitzer InfraRed Intensive Transients Survey
SVD	Singular Value Decomposition
SVOM	Space Variable Objects Monitor

Acronym	Meaning
TCW	Transient Continuous Wave
TDE	Tidal Disruption Event
TF	Time-Frequency
THESEUS	Transient High Energy Sources and Early Universe Surveyor
TIR	Total Infrared
TMNRE	Truncated Marginal Neural Ratio Estimator
ToO	Target of Opportunity
TP-AGB	Thermally Pulsing Asymptotic Giant Branch
ULX	Ultra-Luminous X-ray source
UV	Ultraviolet
VHE	Very High Energy
VRO	Vera Rubin Observatory
VMS	Very Massive Star
WD	White Dwarf
WR	Wolf-Rayet
WST	Wide-Field Spectroscopic Telescope
XDINS	X-Ray Dim Isolated Neutron Star
YSC	Young Star Cluster
ZAMS	Zero-Age-Main-Sequence
ZTF	Zwicky Transient Facility

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