

List of Abbreviations

Abbreviation	Meaning
DM	Dark matter
CDM	Cold dark matter
WDM	Warm dark matter
HDM	Hot dark matter
EoS	Equation of state
DE	Dark energy
BBN	Big Bang nucleosynthesis
FLRW	Friedmann-Lemaître-Robertson-Walker
CMB	Cosmic microwave background
BAO	Baryonic acoustic oscillation
SNe Ia	Supernova type Ia
CFHTLenS	Canada France-Hawaii telescope lensing survey
SZ	Sunyeav- Zel'dovich
KiDS	Kilo degree survey
LSS	Large scale structure
HST	Hubble space telescope
GWs	Gravitational waves
CLASS	Cosmic linear anisotropy solving system
MCMC	Monte Carlo Markov chain
AIC	Akaike information criterion
COBE	COsmic Background Explorer
NASA	National aeronautics and space administration
ESA	European space agency
CPL	Chevalier-Polarski-Linder
CL	Confidence limit
LIGO	Laser Interferometer gravitational-wave observatory
KAGRA	Kamioka gravitational-wave detector

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