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Vast and Fast Data in the era of the large astrophysics and particle physics experiments

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Vast and Fast Data in the era of large astrophysics and particle physics experiments

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Everything has its wonders, even darkness and silence...

Helen Keller

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LIST OF ACRONYMS

AGN	Active Galactic Nuclei
CLASSY	COS Legacy Archive Spectroscopic Survey
CMB	Cosmic Microwave Background
COS	Cosmic Origins Spectrograph
DCF	Distributed Component Forest
DSSC	Data Science and Systems Complexity
E-ELT	European Extremely Large Telescope
EMC	Electromagnetic Calorimeter
EoR	Epoch of Reionization
FAIR	Facility of Antiproton and Ion Research
FUV	Far-Ultraviolet
GMRT	Giant Metrewave Radio Telescope
GMT	Giant Magellan Telescope
HERA	Hydrogen Epoch of Reionization Array
HESR	High Energy Storage Ring
H I	Neutral hydrogen
HST	Hubble Space Telescope
IGM	Intergalactic medium
ISM	Interstellar medium
JWST	James Webb Space Telescope
LHC	Large Hadron Collider
LOFAR	Low Frequency Array
Ly α	Lyman- α
LyC	Lyman continuum
MPI	Message Passing Interface
MVD	Micro Vertex Detector
MWA	Murchison Widefield Array
PANDA	antiProton ANnihilation at DArmstadt
PAPER	Precision Array to Probe Epoch of Reionization
SKA	Square Kilometer Array
STT	Straw Tube Tracker
TMT	Thirty Meter Telescope
UV	Ultraviolet