

ASI 2025 - List of Selected Abstracts – Galaxies and Cosmology

Name	Conference ID	Affiliation	Title	Abstract type by SOC
Ashish Kumar Meena	ASI2025_603	Ben-Gurion University of the Negev, Israel	Extremely magnified stars in galaxy cluster lenses	Invited
Labani Mallick	ASI2025_185	CITA National Fellow, University of Manitoba and CITA, University of Toronto	Probing the growth of massive black holes through accretion vs. mergers across cosmic time down to the early Universe	Oral
Trupti Patil	ASI2025_188	IISER Bhopal	Dynamic Dark Energy and the Curvature: A Journey through Datasets	Oral
AYAN NANDA	ASI2025_163	National Institute of Science Education and Research	Self-Similarity of Halo Shapes in Cosmological Simulations	Oral
Rakshit Chauhan	ASI2025_250	Indian Institute of Astrophysics	Effect of interaction on the star forming properties of dwarf galaxies	Oral
Chandan Watts	ASI2025_71	Indian Institute of Astrophysics, Bengaluru	A Tale of NGC 3785: The formation of an ultra-diffuse galaxy at the end of the longest tidal tail	Oral
Saili Keshri	ASI2025_340	Indian Institute of Astrophysics	Kinematic Misalignments and Remnant Features in Early-Type Galaxies: Insights from SDSS-MaNGA Data	Oral
Mukesh Singh Bisht	ASI2025_47	Raman Research Institute	Origin of hot gas in the Circumgalactic Medium of the Milky Way	Oral
Shashank Gairola	ASI2025_305	Indian Institute of Astrophysics, Bengaluru, Karnataka, India	Tracing Hierarchical Star Formation out to Kiloparsec Scales in Nearby Galaxies	Oral
TANYA TRIPTY	ASI2025_10	National Institute of Science Education and Research	AN UNBIASED MHI and MStar SCALING RELATION IN THE LOCAL UNIVERSE.	Oral
Shivam Burman	ASI2025_320	Indian Institute of Technology Delhi	Unveiling Galactic Magnetism: Probing Magnetic Field Profiles with Background Quasars	Oral
Mohit Raj Sah	ASI2025_541	Tata Institute of Fundamental Research, Mumbai	Cosmology of the supermassive black holes using anisotropic nHz gravitational wave background	Oral
Ritik Sharma	ASI2025_381	Indian Institute of Technology Bhilai, Chhattisgarh	Sustained growth of supermassive black holes	Oral
SHREYA MUKHERJEE	ASI2025_596	INTER-UNIVERSITY CENTRE FOR ASTRONOMY AND ASTROPHYSICS	Study of Baryonic Effects on Matter Power Spectrum, and Dark Energy Equation of State Parameter using Cosmic Shear	Oral
PRALAY BISWAS	ASI2025_681	National Centre for Radio Astrophysics	Identification and study of the Optically invisible galaxy population with JWST	Oral
Atharva Mirashi	ASI2025_317	Indian Institute of Technology Indore	HI Observations of Dark Matter Deficient Dwarfs Galaxies	Oral
Yogesh Chandola	ASI2025_702	Purple Mountain Observatory, Chinese Academy of Sciences, Nanjing, China	Neutral atomic hydrogen in nearby compact starburst galaxies	Oral
Ankur Barsode	ASI2025_331	ICTS-TIFR	Detecting a population of strongly lensed gravitational waves	Oral

Aniruddha Chakraborty	ASI2025_385	Tata Institute of Fundamental Research, Mumbai	GLANCE: Gravitational Lensing Authenticator using Non-modelled Cross-correlation Exploration in Search for Lensed GW Signals	Oral
Salmoli Ghosh	ASI2025_402	National Centre for Radio Astrophysics (NCRA-TIFR), Pune	Understanding Radio-quiet AGN Jet Morphologies and Feedback Mechanisms from Parsec to Kiloparsec Scales	Oral
Pradyumna Sadhu	ASI2025_187	University of California, Riverside	Satellites galaxy abundances in clusters of galaxies within Λ CDM: from ultrafaints to ellipticals	Oral
Unnikrishnan Sureshkumar	ASI2025_295	University of the Witwatersrand, Johannesburg, South Africa	Probing the environmental dependence of low surface brightness galaxy properties using marked statistics	Oral
Avinash Chandrakumar	ASI2025_354	Instituto Nacional de Astrofísica, Óptica y Electrónica, Mexico	Resolved Stellar Population studies using JWST NIR CMDs	Oral
Anilkumar Tolamatti	ASI2025_537	Bhabha Atomic Research Centre, Mumbai	Observations of high redshift gamma-ray blazars with MACE	Oral
anishya harshan	ASI2025_494	University of Ljubljana	Can Dwarf Galaxies Reionise the Universe?	Oral
Masroor Bashir	ASI2025_135	Indian Institute of Astrophysics	Testing Statistical Isotropy and Gaussianity of ACT DR6 Convergence data using Morphological statistics	Oral
Abhirup Datta	ASI2025_743	IIT Indore	u GMRT constraints on the redshifted HI 21-cm signal power spectrum at $z = 9$ (EoR)	Oral
Ananda Hota	ASI2025_606	UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai	GMRT observation of objects discovered by Indian citizen scientists since 2013	Oral
Sruthi K	ASI2025_37	CHRIST (Deemed to be University)	INVESTIGATING THE RESOLVED KENNICUTT-SCHMIDT RELATION IN NEARBY BARRED GALAXIES WITH AGN: INSIGHTS FROM UVIT AND ALMA	Poster
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