

# Oral Presentations

Reg.No.	Name	Name of University/Institute	Title of Abstract
<b>Astronomical Instrumentation</b>			
Y_24_146	Linn Abraham	Puducherry Technological University	Deep Learning for Galactic Rings from Pan-STARRS
Y_24_79	Kshitij Bane	IIA, Bangalore	The Gauribidanur Pulsar System
<b>Cosmology</b>			
Y_24_60	Emy Mons	CUSAT	Environment Dependent Clustering of High Redshift Galaxies
Y_24_118	Masroor	IIA, Bangalore	Testing Statistical Isotropy and Gaussianity of CMB lensing convergence data from ACT
Y_24_84	Chandra Shekhar Murmu	IIT, Indore	Impact of astrophysical scatter on the Epoch of Reionization [HI] 21cm bispectrum
Y_24_18	Suman Pramanick	IIT, Kharagpur	A new method to simultaneously determine the reionization history and power spectrum
Y_24_37	Rahul Shah	Indian Statistical Institute, Kolkata	Hubble tension in the light of LISA/ET: A Three-Pronged Approach with Fisher, MCMC and ML
Y_24_72	Arnab Mishra	Jadavpur University	Prospects of detecting individual ionized bubbles in HI 21-cm maps using uGMRT
<b>Extragalactic Astrophysics and IGM</b>			
Y_24_19	Sipra Hota	IIA, Bangalore	Venturing into the SMC Main Body with UVIT/AstroSat Expedition
Y_24_66	Renu Devi	IIA, Bangalore	Effect of structural components of Spiral galaxies in quenching star formation
Y_24_125	Salmoli Ghosh	NCRA - TIFR, Pune	Probing the origin of kiloparsec-scale radio emissions from radio-quiet AGNs using radio polarimetry
Y_24_113	Akhila K.	Providence Women's College, Calicut	X-ray variability to distinguish warm Comptonisation and reflection scenarios of NLS1 galaxy Mrk 335
<b>Galactic Physics and ISM</b>			
Y_24_121	Tushar Tripathi	Aryabhata Research Institute of Observational Sciences	Optical intra-day variability of the blazar S5 0716+714
Y_24_86	Himanshu Grover	IIT, Roorkee	Monitoring Timing Irregularities in Pulsars with the uGMRT and the ORT
Y_24_137	Himanshu Tyagi	TIFR, Mumbai	Investigating Protostellar Accretion across the Mass Spectrum (IPA): JWST NIRSpec and MIRI IFU Mapping of Young Protostars
<b>General Relativity and Gravitational Waves</b>			
Y_24_61	Naresh Kumar Patra	BITS Pilani K K Birla Goa Campus	Establish the connection between the nuclear matter parameters to neutron star properties through Multivariate Analysis
Y_24_48	Akash Maurya	ICTS-TIFR, Bangalore	Surrogate models for eccentric binary black hole coalescences
Y_24_45	Soumyadip Basak	ICTS-TIFR, Bangalore	Constraints on Compact Dark Matter from Gravitational-Wave Microlensing
Y_24_109	Ankur Barsode	ICTS-TIFR, Bangalore	Detecting a population of strongly lensed gravitational waves from their arrival times
Y_24_56	Mayusree Das	IISc, Bangalore	Continuous gravitational wave: An endeavour to detect isolated Neutron stars and White dwarfs
Y_24_33	Aman Srivastava	IIT, Hyderabad	Noise analysis of the Indian Pulsar Timing Array data release I
<b>High Energy Astrophysics</b>			
Y_24_158	Soumya Gupta	Bhabha Atomic Research Centre	Can the Thermal Evolution of the Fireball alone explain the prompt phase of GRB?
Y_24_162	Sneha Prakash Mudambi	Christ (Deemed To Be University), Bangalore	An overview of the spectral features of the black hole X-ray binary 4U157+115
Y_24_62	Anshuman	IISER, Bhopal	Effect of relativistic equation of state on Particle Acceleration through shock waves
Y_24_43	Amit Kumar	IIT, Guwahati	Study of Neutrino dominated accretion flow around rotating black hole
Y_24_138	Sushmita Agarwal	IIT, Indore	Imprint of local gamma-ray absorption with Broad Line Region
Y_24_67	Swarnim Shirke	IUCAA	Rotation powered Oscillations as a New Probe of Dark Matter in Neutron Stars
Y_24_41	Jyotishree Hota	NIT, Rourkela	Multi-wavelength Analysis of Extreme high frequency bl lacs (EHLs), 1ES 0229+200
Y_24_58	Kinjal Roy	Raman Research Institute	Studying the variability of fluorescence emission and the presence of clumpy wind in HMXB GX 301-2 using XMM-Newton
Y_24_13	Aminabi T	University of Calicut	Unravelling the very first major gamma-ray outburst from 4C 31.03
Y_24_17	Athar Ahmad Dar	University of Kashmir	Can FSRQ 3C 345 be a very high energy blazar candidate?
<b>Stellar Astrophysics and Exoplanets</b>			
Y_24_15	Mami Deka	Cotton University	The impact of convection and metallicity on instability strip boundaries of Classical Cepheids
Y_24_51	Swastik Chowbay	IIA, Bangalore	The search for planet around LkCa 15
Y_24_116	Koshvendra Singh	TIFR, Mumbai	Migration of accretion-induced hotspot over stellar surface during an outburst in EX Lupi
Y_24_152	Bihan Banerjee	TIFR, Mumbai	Characterizing the inner protoplanetary disks with JWST MIRI MRS spectra

Y_24_69	Saurav Sen	TIFR, Mumbai	A Kinematical study of High-Mass Star Formation in Hub-Filament Systems.
Y_24_133	Suparna Sau	University of Calcutta	Impact of binary stars on the growth of multiple populations in globular clusters through stellar collisions
Y_24_136	Keerthana S Narayan	Christ (Deemed To Be University), Bengaluru	Blue to Red Supergiant ratio in the Galaxy from Center to Edge
<b>Sun and Planetary Science</b>			
Y_24_78	Jithu J Athalathil	IIT, Indore	Surface Flux Transport Modelling Using Physics-Informed Neural Networks.
Y_24_75	Samridhi Sankar Maity	Joint Astronomy Programme, IISc and IIA, Bangalore	Comparison of reconnection flux during solar coronal mass ejections from numerical simulation and observation
Y_24_129	Puja Majee	NCRA - TIFR, Pune	First detailed polarimetric study of a type II solar radio burst with the Murchison Widefield Array
Y_24_81	Karan Sahu	NIT, Rourkela	Understanding the coronal origin of periodic solar wind number density structures using Parker Solar Probe observations
Y_24_7	Omkar Sadanand Dhamane	University of Mumbai	Observation of Alfvén Ion Cyclotron Waves in ICME Magnetic Clouds
Y_24_135	B. Suresh Babu	VIT, Bhopal	Diagnosis of an Active Region Jet as Observed by IRIS

# Poster Presentations

Reg.No.	Name	Name of University/Institute	Title of Abstract
<b>Cosmology</b>			
Y_24_31	Ashmita	BITS Pilani K K Birla Goa Campus	Inflationary Cosmology with a scalar-curvature mixing term $0.5*\xi R\phi^2$ .
Y_24_50	Manosh T. M.	CUSAT	Bayesian Analysis of Granda-Oliveros Holographic Dark Energy against $\Lambda$ CDM
Y_24_34	Ujjwal Kumar Upadhyay	IISc, Bangalore	Non-linear Regression with Errors in Variables and its Implications for Hubble Tension
Y_24_6	Sauraj Bharti	IISER, Mohali	HI-stacking predictions for upcoming surveys with SKA precursors
Y_24_154	Abishek Balakrishnan	IIA, Bangalore	Scenarios for Supermassive Black Hole Formation
<b>Extragalactic Astrophysics and IGM</b>			
Y_24_153	Anshika Gupta	Aryabhata Research Institute of Observational Sciences	Signatures of jet-break in the GRB afterglow light curves: Constraining the energetics
Y_24_149	Shashank Gairola	IIA, Bangalore	Fractal-like star formation in neighboring spirals : As seen by UVIT
Y_24_49	Saili Kumari Keshri	IIA, Bangalore	Evolution of Stellar bars in interacting galaxies with triple AGN
<b>Galactic Physics and ISM</b>			
Y_24_147	Rupesh Behera	IIA, Bangalore	X-ray study of segments of the Cygnus loop
<b>General Relativity and Gravitational Waves</b>			
Y_24_54	Uddeepa Deka	ICTS-TIFR, Bangalore	Surrogate modelling of microlensed gravitational wave signals
Y_24_98	Gopalkrishna Prabhu	IUCAA	Constraining the abundance of Galactic Compact objects using Gravitational Waves
<b>High Energy Astrophysics</b>			
Y_24_39	Arshad Hussain	Dibrugarh University	Timing and spectral signatures of RX J0440.9+4431's record-breaking X-ray flare as viewed through AstroSat
Y_24_76	Vinay Kumar	ICTS-TIFR, Bangalore	Numerical and analytical investigations of 3D flux-tube magnetic reconnection
Y_24_101	Sreetama Das Choudhury	IIT, Guwahati	Understanding disc-jet coupling in black hole X-ray binaries via spectro-temporal analysis
Y_24_106	Ketan Rikame	Christ (Deemed To Be University), Bengaluru	X-ray Diwali in sky: Study of flares and bursts during eclipses of X-ray binary systems
Y_24_145	Reshma M	Christ (Deemed To Be University), Bengaluru	Study of blazars using multi-wavelength AstroSat observations
<b>Stellar Astrophysics and Exoplanets</b>			
Y_24_112	Lupamudra Sarmah	IIA, Bangalore	Exploring the evolutionary link between Barium giants and dwarfs using Asteroseismology
Y_24_122	Varghese Reji	TIFR, Mumbai	Pushing Efficiency of Planet Formation: Detection and Characterization of a Saturn around an M dwarf star
<b>Sun and Planetary Science</b>			
Y_24_74	Soumyaranjan Khuntia	IIA, Bangalore	Modeling the Thermodynamic State of Fast Coronal Mass Ejections During Their Propagation
Y_24_111	Mayank Rajput	NIT, Rourkela	Narrow-band Type II Radio bursts associated with Coronal Mass Ejections of large angular widths: A new insight for metric Type II bursts
Y_24_97	Dipali Vadher	Sardar Vallabhbhai National Institute of Technology	Time cascading of Switchbacks

# e-Poster (online) Presentations

Reg.No.	Name	Name of University/Institute	Title of Abstract
<b>Cosmology</b>			
Y_24_27	Ganga R Nair	NIT, Surathkal	On the independence of predictions of LQC on the inflationary potential
Y_24_26	Roshna K	NIT, Surathkal	Consistency of loop quantum cosmology with the cosmic microwave background bispectrum
<b>Extragalactic Astrophysics and IGM</b>			
Y_24_115	Debangan Maji	NCRA - TIFR, Pune	Kinematics and Environment of quenched spiral galaxies
Y_24_134	Chandan	IIA, Bangalore	Unravelling the nature of tidally disrupted galaxy NGC3718 through UV observations
Y_24_139	Rakshit Chauhan	IIA, Bangalore	Can interactions among Dwarfs trigger Star formation: UV study of dwarfs in the Lynx-Cancer Void ?
Y_24_20	Aditya Narendra	Jagiellonian University	Predicting the redshift of gamma-ray loud AGNs using Supervised machine learning
<b>Galactic Physics and ISM</b>			
Y_24_144	Khushbu K.	IIA, Bangalore	Photoionization modelling of [WR] Planetary nebula IC 2003
Y_24_119	Saikhom Pravash Singh	IIA, Bangalore	Grain alignment efficiencies towards Bright Rimmed Clouds and Cometary Globules through dust polarisation observations
<b>General Relativity and Gravitational Waves</b>			
Y_24_95	Bidyut Hazarika	Dibrugarh University	:Topology of Black Hole Thermodynamics in $f(R)$ Gravity
<b>High Energy Astrophysics</b>			
Y_24_2	Amal Abdulrahman	Farook College (Autonomous, University of Calicut)	Understanding the high energy emission and multiwavelength structure of the large scale jets of Active Galactic Nuclei
Y_24_46	Suchismito Chattopadhyay	Govt. Girls' General Degree College (Affiliated To University of Calcutta)	Difference in origin of QPO and noise components in 4U 1702-429 and their relation with the spectral parameters.
Y_24_65	Siddhant Manna	IIT, Hyderabad	Search for GeV Gamma-Ray Emission from SPT-SZ selected Galaxy Clusters with 15 years of Fermi-LAT data
<b>Stellar Astrophysics and Exoplanets</b>			
Y_24_94	Mohit Singh Bisht	Indian Centre For Space Physics, Kolkata	Comprehensive Study of two novae : V5579 Sgr and V5584 Sgr
Y_24_151	Subharthi Dasgupta	NIT, Rourkela	Understanding the variability and mass loss in the B-supergiant HD 53138
<b>Sun and Planetary Science</b>			
Y_24_63	Elizabeth Thomas	Mar Thoma College, Tiruvalla, Kerala	The impact of solar phases on extreme rainfall events in Kerala, India
Y_24_142	Vineeth S	Mar Thoma College, Tiruvalla, Kerala	Distribution Functions of Lighter Components in Astronomical Dusty Plasma Systems: Effect on Plasma Waves