

National Space Science Symposium-2026, Umiam, Meghalaya

PS-4 (Astronomy and Astrophysics)

Details and type of presentation for the accepted abstracts

SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
1	NSSS2026ABS013	NSSS2026REG0165	Understanding SSM-IMRIs with LIGO-Virgo and Einstein Telescope	Devesh Giri and Bhooshan Gadre	Poster
2	NSSS2026ABS020	NSSS2026REG0286	Investigating the Kinematics of Molecular Gas in Cometary Globule L1616	Puja Porel	Poster
3	NSSS2026ABS043	NSSS2026REG0479	Multi-band and Multi-instrument study of the transiting exoplanets	Yogesh Chandra Joshi	Oral
4	NSSS2026ABS046	NSSS2026REG0533	Exoplanet Classification Thourgh Vision Transformer	Anupma Choudhary, Sohith Bandari, B.S.Kushvah and C.Swastik	Poster
5	NSSS2026ABS060	NSSS2026REG0473	Study on gravitational waves from binary mergers and constraints on the Hubble parameter	Rishav Laloo, Prachi Gupta, Dr. Arun Kenath	Poster
6	NSSS2026ABS067	NSSS2026REG0697	Study of Correlation between Accretion and Outflow in Young Stellar Objects	Manojit Chakraborty	Poster
7	NSSS2026ABS073	NSSS2026REG0605	Feasibility Simulation Study of an Adaptive Optics FPGA Spectrometer for Exoplanetary Atmospheres and Transient Astronomy	Sahela Khalid	Poster

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SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
8	NSSS2026ABS074	NSSS2026REG0037	Vz-GAL - Probing Cold Molecular Gas in Dusty Star-forming Galaxies at Redshifts 1 to 6	Prachi Prajapati, Dominik Riechers, Pierre Cox, Axel Weiss, Amelie Saintonge, and the Vz-GAL Team	Oral
9	NSSS2026ABS076	NSSS2026REG0730	Investigating the Relationship between Black Hole Mass and Galaxy Dynamics in Seyfert Type II via Spectropolarimetry Data	Jashanpreet Singh Dingra	Poster
10	NSSS2026ABS077	NSSS2026REG0739	BAR STRUCTURE IDENTIFICATION IN GALAXIES USING CNNs	Rajit Shrivastava	Poster
11	NSSS2026ABS080	NSSS2026REG0778	Joint Investigation in Optical and X-ray Galaxies-AGN connection	Navya Saraswat, Prof. Shadab Alam, Prof. Subhabrata Majumdar	Poster
12	NSSS2026ABS083	NSSS2026REG0801	Tracing Galaxy Evolution through Interactions in Roberts Quartet with MUSE and Multiwavelength Observations	Saili Keshri, Dr. Sudhanshu Barway, Prof. Mousumi Das	Oral
13	NSSS2026ABS095	NSSS2026REG0845	Multi-wavelength study of an extremely X-ray variable WLQ SDSSJ1539: a dive into the radio properties of	Ayushi Chhipa, M. Vivek, Nayana A J, P Kharb, W N Brandt, Preshanth Jagannathan, Janhavi	Poster

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SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
			WLQs	Baghel, Savithri H. Ezhikode, C. H. Ishwara-Chandra	
14	NSSS2026ABS117	NSSS2026REG0915	Baryonic Ecosystem IN Galaxies BEINGMgII III Cool gas reservoirs at 03 z 16 in the Dark Energy Survey	Reena Chaudhary Ravi Joshi Sarbeswar Das Michele Fumagalli Glenn G Kacprzak Matteo Fossati Celine Peroux and Luis C Ho	Poster
15	NSSS2026ABS119	NSSS2026REG0933	Constraining the Hubble parameter with the 21-cm brightness temperature signal in a universe with inhomogeneities	Subhadeep Mukherjee, Shashank Shekhar Pandey, and A. S. Majumdar	Poster
16	NSSS2026ABS126	NSSS2026REG0912	Bar Formation in Low- Surface-Brightness Galaxies: Testing the Role of Dark Matter Halo Spin	Neha, Sandeep Kumar Kataria	Poster
17	NSSS2026ABS130	NSSS2026REG0955	Exploring the Diversity of Type Iax Supernovae: Insights from SN 2022eyw and Ongoing Studies	Hrishav Das, Devendra K. Sahu, Anirban Dutta, Mridweeka Singh, G.C. Anupama, Rishabh Singh Teja	Poster
18	NSSS2026ABS131	NSSS2026REG0962	Dwarf-dwarf interactions and their impact on Star	Rakshit Chauhan, Smitha Subramanian, Deepak A. Kudari, S.	Oral

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SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
			formation	Amrutha, Mousumi Das	
19	NSSS2026ABS138	NSSS2026REG0976	Thermonuclear X-ray burst and disc reflection from accreting millisecond X-ray pulsar SRGA J144459.2-604207	Manoj Mandal, Sachindra Naik, and Birendra Chhotaray	Poster
20	NSSS2026ABS141	NSSS2026REG1004	Appearance and Disappearance of Soft Excess in Seyfert AGN Mrk 50	Narendranath Layek, Sachindra Naik, Prantik Nandi and Arghajit Jana	Oral
21	NSSS2026ABS142	NSSS2026REG1011	Physics of the fractal-nature of star formation in nearby galaxies	Shashank Gairola, Smitha Subramanian, Sreedevi Muraleedharan, Shyam H. Menon, Chayan Mondal, Sriram Krishna, Mousumi Das and Annapurni Subramaniam	Poster
22	NSSS2026ABS156	NSSS2026REG0556	Role of Galaxy Cluster Environments in Shaping Galactic Outflows: Insights from Abell 2199	Chandan Watts, Sudhanshu Barway, Mousumi Das, Michael Hilker, Francoise Combes	Oral

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SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
23	NSSS2026ABS158	NSSS2026REG0378	Photospheric radius expansion and X-ray reflection in thermonuclear burst from the neutron star X-ray binary 4U 1702-429	Sachindra Naik and Manoj Mandal	Oral
24	NSSS2026ABS162	NSSS2026REG1063	The ALMA-QUARKS study: Evidence of an Explosive Molecular Outflow in IRAS 15520-5234	Ariful Hoque, Tapas Baug	Oral
25	NSSS2026ABS164	NSSS2026REG1049	From Gas to Stars: Scaling Laws and Conversion Efficiencies in Dense Cluster-Forming Clumps	Manash Samal and Vineet Rawat	Oral
26	NSSS2026ABS169	NSSS2026REG0465	Co-evolution of Supermassive Black Holes and their Host Haloes	Mahavir Sharma	Oral
27	NSSS2026ABS174	NSSS2026REG1100	Photoionization Modeling of Nova V476 Scuti: Formation of Optically Thin Dust	Sakshi Chaudhary, Ruchi Pandey, Ramkrishna Das	Oral
28	NSSS2026ABS175	NSSS2026REG1103	Broadband Spectral Modeling of Blazars: Constraining the Lorentz Factor and Gamma-Ray Emission Site	Ajay Sharma, Aishwarya Sarath, Sakshi Chaudhary, Debanjan Bose	Poster

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SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
29	NSSS2026ABS180	NSSS2026REG1115	Spectral nature of Sco X 1 observed using the X ray SPECTroscopy and Timing XSPECT payload onboard XPoSat	V. P. Shyam Prakash, Vivek K. Agrawal, Rwitika Chatterjee, Radhakrishna Vatedka, Koushal Vadodariya and A. M. Vinodkumar	Poster
30	NSSS2026ABS184	NSSS2026REG1125	Epeak and Alpha Correlation in Time Resolved GRB spectra: A Bottom to top Approach with Synchrotron and Inverse Compton Models	Pragyan Pratim Bordoloi, Ayush Shivkumar, Shabnam Iyyani	Poster
31	NSSS2026ABS188	NSSS2026REG1145	ATOMS and QUARKS: Gas kinematics in massive protocluster G318.049plus00.086: Evidence of competitive accretion	Shivani Gupta, Tapas Baug, Archana Soam, Tie Liu, Satyajeet Moharana et. al.	Oral
32	NSSS2026ABS190	NSSS2026REG1150	Quantifying uncertainties in CatWISE 2020 quasar survey:Is there really a cosmic dipole anomaly.	Masroor Bashir, Pravabati Chingangbam, Stephen Appleby	Poster
33	NSSS2026ABS192	NSSS2026REG1154	TRAO Survey of the Nearby Filamentary Molecular Clouds the Universal Nursery of Stars TRAO	Satyajeet Moharana, Chang Won Lee, Shinyoung Kim et al.	Oral

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SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
			FUNS IV Filaments and Dense Cores in the W40 and Serpens South Regions of Aquila		
34	NSSS2026ABS199	NSSS2026REG1161	Tracing the cause of Abundance Discrepancies in PNe	K. Khushbu, C. Muthumariappan	Oral
35	NSSS2026ABS203	NSSS2026REG1167	From Radiation Driven Implosion to Cloud Cloud Collisions: Star Formation in Feedback Dominated Environments	Rishi C, Neelam Panwar	Poster
36	NSSS2026ABS212	NSSS2026REG1197	Signatures of gas inflow and infall in a massive star forming region G339.88-1.26.	Tunir Kundu and Tapas Baug	Poster
37	NSSS2026ABS213	NSSS2026REG1198	Investigating Cloud-Cloud Collisions and Hub-Filament Systems: Pathways to Massive Star Formation	Arup Kumar Maity	Poster
38	NSSS2026ABS225	NSSS2026REG1229	Unraveling the Feedback-regulated Star Formation Activities around the Expanding Galactic Mid-infrared Bubble HKS2019 E71	Aayushi Verma, Saurabh Sharma, Lokesh K. Dewangan, Tarak Chand, Ariful Hoque, Devendra K. Ojha, Harmeen Kaur, Ram Kesh Yadav,	Oral

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				Mamta, Manojit Chakraborty, and Archana Gupta	
39	NSSS2026ABS226	NSSS2026REG0291	Periodic signal in chaos: detection of quasi periodic oscillations in the blazar 3C 454.3	Karan Dogra and WEBT collaborators	Poster
40	NSSS2026ABS229	NSSS2026REG1235	Investigating Spectral Lag Evolution and Pulse Correlations in Gamma-Ray Bursts	Khushboo Sharma, Vikas Chand, Jagdish C Joshi	Poster
41	NSSS2026ABS231	NSSS2026REG0921	Unveiling Cold Accretion Streams Through a Partial Lyman Limit System	Sumukha R Bharadwaj, Dr. Anand Narayanan	Poster
42	NSSS2026ABS235	NSSS2026REG1237	Grain alignment mechanisms in the massive quiescent filament G16.96 0.27 using dust polarization observations from JCMT POL-2	Saikhom Pravash, Thiem Hoang, Archana Soam, Qi-Lao Gu, Tie Liu, Pham Ngoc Diep, Le Ngoc Tram, Nguyen Bich Ngoc	Oral
43	NSSS2026ABS236	NSSS2026REG0985	Dissecting Massive Stars in the SMC Shell with UVIT: From Main-Sequence to Stripped Binaries	Sipra Hota, Annapurni Subramaniam and Vikrant V. Jadhav	Oral

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SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
44	NSSS2026ABS237	NSSS2026REG1132	Probing the Interstellar Medium of NGC 7380: Toward a Determination of the Gas-to-Dust Ratio	Pryanshu Basur, Dr. Neelam Panwar, Dr. Krishna Mohan parattu	Poster
45	NSSS2026ABS239	NSSS2026REG1001	Astrosat detection of Lyman continuum leakers at z 1-2	Suraj Dhiwar	Poster
46	NSSS2026ABS252	NSSS2026REG1274	Investigating Temporal Features in 200 Swift GRB Afterglows: A Comparative Study of UVOT and XRT Data	Amit Kumar, Shashi B Pandey	Poster
47	NSSS2026ABS255	NSSS2026REG1279	A980 and the Germanium Puzzle: New Clues from an Extreme Helium Star	Ajay Kumar Saini, Gajendra Pandey	Poster
48	NSSS2026ABS262	NSSS2026REG1208	Impact of calibration errors and instrumental noise for SKA1-Low on HI 21-cm maps from the Epoch of Reionization	Samit Kumar Pal, Abhirup Datta, Saswata Dasgupta, Suman Majumdar	Poster
49	NSSS2026ABS268	NSSS2026REG1268	Thermonuclear X-ray Bursts During Eclipse Transitions in EXO 0748-676 and XTE J1710-281	V. Jithesh, Ketan Rikame, Biswajit Paul, and Rahul Sharma	Oral
50	NSSS2026ABS274	NSSS2026REG1003	Constraining the High Mass Stellar IMF in Galaxies: A Pilot Method Using UVIT and	S Amrutha, Mousumi Das	Oral

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SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
			Halpna MUSE Observations Applied to NGC 628		
51	NSSS2026ABS277	NSSS2026REG1304	Dark Matter Degenerate Object: 33 Polyhymnia	Arun Kenath	Poster
52	NSSS2026ABS280	NSSS2026REG1301	SN 2023zcu: A Type IIP SN with early flash features	Monalisa Dubey, Kuntal Misra, Ajay Kumar Singh	Oral
53	NSSS2026ABS284	NSSS2026REG1287	Unravelling the kinematic morpholgy of the Small Magellanic Cloud	Dhanush S R, Annapurni Subramaniam, Smitha Subramanian	Poster
54	NSSS2026ABS286	NSSS2026REG1294	Stable Anisotropic Star Model in Generalized Tolman-Kuchowicz Spacetime with Nonlinear Quadratic Equation of State	Hemani R. Acharya, Dishant M. Pandya, Bharatkumar B. Parekh, V. O. Thomas	Poster
55	NSSS2026ABS288	NSSS2026REG1323	From Bubble to Cluster: Probing the Evolutionary History of BDS2003-52	Mamta, Saurabh	Poster
56	NSSS2026ABS289	NSSS2026REG1327	Investigating Polarization characteristics of GRB200503A and GRB201009A	Divita Saraogi, Suman Bala, Jitendra Joshi, Shabnam Iyyani, Varun Bhalerao, J Venkata Aditya, D.S. Svinkin, D.D. Frederiks, et. al.	Poster

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SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
57	NSSS2026ABS296	NSSS2026REG0384	AstroSat, Chandra, and HST Observations of two nearby galaxies: NGC 3627 and NGC 4321	Aratrik Basu, Nabil Husain, S. Mathur, Kulinder Pal Singh	Oral
58	NSSS2026ABS306	NSSS2026REG1066	Prediction of H40alpha properties in star-forming region: A machine learning approach	Antara Dey, Tapas Baug	Poster
59	NSSS2026ABS309	NSSS2026REG1169	Variability Study of the blazar OI 158 with TESS during its Dec 2021 neutrino emission events	Shubham Kishore, Alok C. Gupta	Poster
60	NSSS2026ABS311	NSSS2026REG1343	Can the morphology of Fanaroff Riley radio jets be influenced by their plasma composition	Priyesh Kumar Tripathi, Indranil Chattopadhyay, Raj Kishor Joshi, Ritaban Chatterjee, Sanjit Debnath, M. Saleem Khan	Oral
61	NSSS2026ABS318	NSSS2026REG1205	Study of legacy deep fields using UVIT	Pranjal Chaturvedi; Abhirup Datta; Akriti Sinha	Poster
62	NSSS2026ABS320	NSSS2026REG1315	To Be or not to Be: Recurrent Nova M31N 2017-01e a BeWD System in M31	Shatakshi Chamoli; Judhajeet Basu; Sudhanshu Barway; G.C. Anupama;	Oral

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SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
				Vishwajeet Swain; Varun Bhalerao	
63	NSSS2026ABS324	NSSS2026REG1361	Design and Development of Scrambler for precision Doppler spectroscopy	Kapil Bharadwaj Kevi Kumar Lad Prasad Neelam Abhijit Chakraborty	Poster
64	NSSS2026ABS327	NSSS2026REG1359	From Design to Deployment: Opto-Mechanical Insights into Backend Instrumentation for the PRL 2.5m Telescope for Reliable On-Sky Operations	Kevikumar A. Lad, Kapil Bharadwaj, J.S.S.V. Prasad Neelam, Nikitha Jitendran, Rishikesh Sharma, Vishal Joshi, Abhijit Chakraborty	Poster
65	NSSS2026ABS341	NSSS2026REG1061	Probing Starspot Dynamics on the Active M-dwarf TIC 272272592: A Multi-Year TESS Study	Rajib Kumbhakar, Soumen Mondal, Samrat Ghosh, Diya Ram, and Dorothy M. Mwanzia	Oral
66	NSSS2026ABS342	NSSS2026REG1245	Probing the Atmosphere of the Hot Jupiter KELT-7 b with JWST Transmission Spectroscopy	Aman Das, Prof. Soumen Mondal	Poster
67	NSSS2026ABS344	NSSS2026REG1399	Some Consequences of MONG for Tidal Forces in Fornax cluster	Louise Rebecca	Poster

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SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
68	NSSS2026ABS347	NSSS2026REG1375	Investigating Oscillation Modes in Dark Matter-Enriched Neutron Stars	Vivek Baruah Thapa	Poster
69	NSSS2026ABS354	NSSS2026REG1223	Formation Flying for a Deci-Hz Gravitational Wave Mission	Sayantan Pal, Rajesh Kumble Nayak	Oral
70	NSSS2026ABS356	NSSS2026REG1364	Detection and Characterization of TOI-6651b: A Dense Sub-Saturn in the Neptunian Ridge Using PARAS-2	Rishikesh Sharma, Sanjay Baliwal, Abhijit Chakraborty, Akanksha Khandelwal, Nikitha Jithendran, Neelam JSSV Prasad, Kapil Kumar, Kevi Kumar Lad, Ashirbad Naik, Shubhendra Das	Oral
71	NSSS2026ABS363	NSSS2026REG1353	Multiwavelength study of star formation within molecular clouds	Soumita Chakraborty, Soumen Mondal	Poster
72	NSSS2026ABS368	NSSS2026REG1104	Bursty Galaxies and Their Host Halos: Key Drivers of Cosmic Reionization	Nachiket Joshi, Dr Mahavir Sharma	Oral
73	NSSS2026ABS370	NSSS2026REG1420	The Evolving Power Spectrum for the light cone Epoch of Reionization 21-cm signal	Suman Pramanick, Somnath Bharadwaj, Kh Md Asif Elahi and Rajesh Mondal	Oral

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SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
74	NSSS2026ABS373	NSSS2026REG1221	Advancing Machine Learning Pipelines for 21cm Cosmological Signal Recovery Amidst Observational Challenges	Anshuman Tripathi, Abhirup Datta	Oral
75	NSSS2026ABS378	NSSS2026REG1446	V515 And: An Intermediate Polar in the Period Gap Exhibiting Micronova Outbursts	Srinivas M Rao, Jeewan C Pandey, Nikita Rawat, Arti Joshi	Oral
76	NSSS2026ABS379	NSSS2026REG0751	A Robust and Automated Planning and Scheduling Framework - XPoViewer	Thameemunnisha	Poster
77	NSSS2026ABS382	NSSS2026REG1455	Daksha: On Alert for High Energy Transients	Ashwin Devaraj, Varun Bhalerao, Daksha Team	Poster
78	NSSS2026ABS384	NSSS2026REG1277	Measuring Extinction at North Galactic Pole using Far-Ultraviolet diffuse emission as a tracer	Swagat Bordoloi, Jayant Murthy, P. Shalima, Rupjyoti Gogoi, Oleg Malkov	Oral
79	NSSS2026ABS388	NSSS2026REG0373	Search for Megaparsec size Giant Radio Sources from TIFR GMRT Sky Survey	Netai Bhukta; Souvik Manik; Sobha Kumari; Sabyasachi Pal and Sushanta K. Mondal	Poster

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SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
80	NSSS2026ABS396	NSSS2026REG1476	Systematic Effects of Chaotic Magnetic Fields on Neutron Star Tidal Deformability: Implications for Gravitational Wave Constraints on Dense Matter	Debarshi Mukherjee	Poster
81	NSSS2026ABS404	NSSS2026REG1378	Probing Planck Era Physics through CMB Polarization: A Review with Computational Insights	Sreenandan K J	Poster
82	NSSS2026ABS409	NSSS2026REG1303	A Low cost Instructional Interferometer using DIY Horn Antenna	Sangeetha A, Harsha Avinash Tanti, Abhirup Datta	Poster
83	NSSS2026ABS430	NSSS2026REG1565	Robotic DIMM for Mt Abu Observatory site	Neelam J S S V Prasad, Kevikumar Lad, Nikitha Jithendran, Abhijit Chakraborty	Poster
84	NSSS2026ABS438	NSSS2026REG1181	Revisiting the Boundaries of Radio Relics: Insights from uGMRT, and MeerKAT Observations	Nasmi S Anand, Abhirup Datta, Swarna Chatterjee, Ramij Raja, Majidul Rahaman	Oral
85	NSSS2026ABS439	NSSS2026REG1581	Probing the Epoch of Reionization with the uGMRT Band-2: Challenges	Rashmi Sagar, Abhirup Datta	Poster

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SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
			and Opportunities in Foreground Mitigation		
86	NSSS2026ABS441	NSSS2026REG1591	A Multi Functional Robotic Pickup Arm Positioning Pipeline for TIFR-ARIES Multi Object Optical to Near- infrared Spectrograph for the 3.6m DOT	Dr. Saurabh Sharma	Poster
87	NSSS2026ABS461	NSSS2026REG1633	UV-bright Stellar Populations in Galactic Globular Clusters	Ranjan kumar	Poster
88	NSSS2026ABS467	NSSS2026REG1275	Pre-Explosion Variability and the Period-Luminosity Relation of Type II Supernova Progenitors in Spitzer IRAC Bands	Snigdha Sarmah, Rupak Roy, Rupjyoti Gogoi, P. Shalima	Poster
89	NSSS2026ABS481	NSSS2026REG0945	Interpretation of high energy neutrino observations through the primordial black hole evaporation	Prabhav Singh, Mansi Dhuria, Nathanael Varghese Job	Poster
90	NSSS2026ABS484	NSSS2026REG1670	Role of CMB Photon Density in Shaping AGN Jet Emissions Across Cosmic Time	Aditya Sharma, Dr. Bhargav Vaidya	Poster
91	NSSS2026ABS498	NSSS2026REG1220	Deep uGMRT Band-2 Imaging of MWA EoR Fields:	Pritam Hore, Abhirup Datta, Akriti Sinha	Oral

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SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
			Towards a High-Fidelity Sky Model for 21-cm Cosmology		
92	NSSS2026ABS516	NSSS2026REG1695	Unveiling the 2024 Outburst of the SMC Pulsar RX J0032.9-7348: Broadband Timing and Spectral Insights	Birendra Chhotaray, Gaurava K Jaisawal, Sachindra Naik, Arghajit Jana	Poster
93	NSSS2026ABS549	NSSS2026REG1725	Aperture Masking Interferometry for 3.6m DOT	Tushar Ubarhande, Suvendu Rakshit	Oral
94	NSSS2026ABS592	NSSS2026REG1764	Characterizing Flare Occurrence and Chromospheric Activity in M Dwarfs	Rajpurohit, A. S	Oral
95	NSSS2026ABS593	NSSS2026REG1761	Characteristic studies of seven totally eclipsing marginal contact binaries using ground and space based observations	J. Rukmini, D. Shanti Priya, M. Raghu Prasad and G. Rohan	Oral
96	NSSS2026ABS632	NSSS2026REG1785	Indian Optical Telescopes and Their Role for High Resolution of Stellar Objects	Km Nitu Rai, Neelam Panwar, Jeewan C Pandey, Prasenjit Saha, and Subrata Sarangi	Poster
97	NSSS2026ABS633	NSSS2026REG1794	Influence of Planetary Migration on Mean-Motion Resonance and Substructure Formation in	Ribanda Marbaniang, Dhritimaan Gogoi, and Eeshankur Saikia	Poster

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SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
			Protoplanetary Disks		
98	NSSS2026ABS635	NSSS2026REG1738	Exploring GRB Localisation Capability of Proposed Daksha Mission using Coded Mask Imaging with its Low-Energy Detectors	Ashish Kumar Mandal, Santosh Vadawale, Varun Bhalerao	Oral
99	NSSS2026ABS639	NSSS2026REG1428	Probing Star Formation and Feedback in Galactic Star-Forming Complexes Across the Spectrum	Harmeen Kaur, Saurabh Sharma, Alok Durgapal, Devendra K Ojha	Poster
100	NSSS2026ABS647	NSSS2026REG1799	Photometric and Evolutionary Analysis of the sdB Binary System Lan 646	Devarapalli Shanti Priya, G Vinay Kumar and J. Rukmini	Poster
101	NSSS2026ABS649	NSSS2026REG1612	A comprehensive study of Cygnus Loop Supernova Remnant	Rupesh Behera, Firoza K. Sutaria	Poster
102	NSSS2026ABS660	NSSS2026REG1807	Investigative studies of five short-period totally eclipsing binaries in search of third bodies	Shanti Priya Devarapalli, Ravi Raja Pothuneni, Rukmini Jagirdar, Raul Michel	Poster
103	NSSS2026ABS692	NSSS2026REG1818	A Wide Field X-ray Imaging and Spectroscopic mission using Lobster-eye optics: Performance parameters from a concept design	Debbijoy Bhattacharya, P. Sreekumar	Oral

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PS-4 (Astronomy and Astrophysics)

Details and type of presentation for the accepted abstracts

SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
104	NSSS2026ABS703	NSSS2026REG0956	High-Resolution Spectroscopy of a Blue Straggler Candidate: Evidence from Binarity and Lithium	Krittika Roy, Thirupathi Sivarani , Devika K Divakar	Oral
105	NSSS2026ABS713	NSSS2026REG1841	Investigating the temporal and spectral nature of Mrk 590 through multiwavelength signatures	Arya Sudhakaran (1), Debbijoy Bhattacharya (1), Vivek Agrawal (2), Shalima P (1)	Poster
106	NSSS2026ABS724	NSSS2026REG1846	Uncovering the Hidden Physical Structures and Protostellar Activities in the Low-metallicity S284-RE Region: Results from ALMA and JWST	O. R. Jadhav, L. K. Dewangan, Aayushi Verma, N. K. Bhadari, A. K. Maity, Saurabh Sharma, and Mamta	Oral
107	NSSS2026ABS731	NSSS2026REG1336	Volatile Snowlines in Taurus Disks: Chemical Zonation and the Origins of Planetary System Diversity	Soumik Kar, Kinsuk Acharyya, Vikas Soni	Poster
108	NSSS2026ABS758	NSSS2026REG1789	Development of Short Wave Infrared Imaging System (SIRIS) for 1.2m telescope at PRL Mt Abu Observatory	Deekshya R.S, Anwesh K Mishra, Praful Chaudhary, Prashanth kasarla, Shashikiran Ganesh	Poster

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PS-4 (Astronomy and Astrophysics)

Details and type of presentation for the accepted abstracts

SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
109	NSSS2026ABS763	NSSS2026REG1138	Mid-Infrared Variability of Young Stellar Objects: NEOWISE-Based Classification and Long-Term Trends.	Shubham Yadav, Dr. Neelam Panwar, Mr. RishiC	Poster
110	NSSS2026ABS774	NSSS2026REG0946	SN 2017cjb: A Type II Supernova with Early Circumstellar Interaction Signatures	Bhavya Ailawadhi, Kuntal Misra, Sunil Chandra, Raya Dastidar	Oral
111	NSSS2026ABS776	NSSS2026REG0822	A Metrics-Based Catalogue of Potentially Habitable Exoplanets	Samridhi Dwivedi, Suresh Chandra	Poster
112	NSSS2026ABS784	NSSS2026REG0864	Supernova Remnants to Stellar Mergers: A Study of Neutron Stars and Their Cosmic Significance	Ms. Anshika Mittal Mr. Kushagra Gautam Mr. Shashank Sahu	Poster
113	NSSS2026ABS792	NSSS2026REG1837	Small telescope astronomy : lessons from PRL's 50cm telescope and indigenous supporting equipments	Alka, Shashikiran Ganesh, Prashanth K, Deekshya R S, Goldy Ahuja	Poster
114	NSSS2026ABS810	NSSS2026REG1901	Understanding the CSM asymmetries of Interacting Supernovae	Naveen Dukiya, Anjasha Gangopadhyay, Kuntal Misra et al.	Poster
115	NSSS2026ABS825	NSSS2026REG1577	Fabrics of Space-Time: The Structural Dynamics of	Authors: Noor Mohammadi and Devi	Poster

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PS-4 (Astronomy and Astrophysics)

Details and type of presentation for the accepted abstracts

SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
			Space-Time Fabrics and Their Cosmological Implications on Inter Universe Interaction(Part I)	Sri Sai Chaitanya Devaganugula	
116	NSSS2026ABS833	NSSS2026REG1870	Accretion Outbursts: A Challenge for Theory, and a Probe of Star-Disk Evolution	Koshvendra Singh, Joe P Ninan, Devendra K Ojha, Marina Romanova, Zhen Guo, David A Buckley, Valentin Ivanov, et al.	Oral
117	NSSS2026ABS835	NSSS2026REG1224	Developing an XMM-Newton Pipeline for Galaxy Cluster X-ray Analysis: A Framework Inspired by ClusterPyXT	Riya Rathore, Abhirup Datta, Majidul Rahaman	Poster
118	NSSS2026ABS841	NSSS2026REG1966	Estimating the Hubble Constant and the Age of the Universe Using Cepheid and Type Ia Supernovae Host Galaxies	Rajaabirami Rajakumar and Prof. Jasjeet Singh Bagla	Poster
119	NSSS2026ABS856	NSSS2026REG1974	Dust Factories of the Universe – The Role of Red Supergiants in Cosmic Dust Production	Das Sujit, Arkaprabha Sarangi	Oral

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PS-4 (Astronomy and Astrophysics)

Details and type of presentation for the accepted abstracts

SN	Abstract ID	Registration ID	Abstract Title	Authors	Type of Presentation
120	NSSS2026ABS858	NSSS2026REG0554	Development of a GUI-Controlled Fiber Positioner System for a Multi-Object Spectrograph	Nitish Singh	Poster
121	NSSS2026ABS863	NSSS2026REG1887	Multi-Messenger Astronomy and SED Modeling of Blazars: A tool to understand the cosmic accelerators in our universe	Sunil Chandra	Oral

- All lead authors have been communicated about the decision as per the table above. In case the acceptance letter is not received, please inform us.
- The authors of the abstracts that were rejected, has already been communicated about the decision.
- The poster presentations that will be given the opportunity for Lightning Oral Talk shall be communicated separately.
- **Discrepancies, if any may be brought to our notice for correction.**