

ASI 2024 – List of Selected Abstracts – High Energy Phenomena, Fundamental Physics and Astronomy

| Name | Conference ID | Affiliation | Title | Abstract Type by SOC |
|------------------|----------------------|--|---|-----------------------------|
| Giridharan L | ASI2024_172 | Christ University | Millisecond phenomena observed in 4U 1820–30 by AstroSat | Oral |
| Aru Beri | ASI2024_18 | IISER Mohali | Fast Timing and Broadband Look at Neutron Star X-ray Binaries - Discovery of an Accreting Millisecond X-ray Pulsar | Oral |
| Arijit Sar | ASI2024_25 | Presidency University | Exploring the UV/X-ray spectral variability of MCG-6-30-15 using AstroSat | Oral |
| Nazma husain | ASI2024_309 | Jamia Millia Islamia University | Broadband spectroscopy of 4U 1543-47 with hints of disk-wind absorption | Oral |
| SUPROVO GHOSH | ASI2024_358 | IUCAA | Tidal heating as a direct probe of Strangeness inside Neutron stars | Oral |
| Geethu Prabhakar | ASI2024_460 | Research associate | First detection of relativistic disk-wind in X-ray binaries: the wind-regulated accretion in 4U 1543-47 | Oral |
| Kewal Anand | ASI2024_471 | Indian Institute of Technology Kanpur, India | Constraining neutron star mass and moment of inertia from QPO triplets observed in 4U 1728-34 from AstroSat/LAXPC observation | Oral |
| Siddhartha Gupta | ASI2024_566 | Princeton University | From Thermal to Nonthermal: Understanding Electron Acceleration at Nonrelativistic Shocks Using First-principles Simulations | Oral |
| Nazma Islam | ASI2024_573 | NASA GSFC and UMBC | Superorbital modulations in supergiant High Mass X-ray binaries | Oral |
| Harshita Bhuyan | ASI2024_578 | Indian Institute of Technology Indore | A lepto-hadronic multi-zone framework for AGN jets | Oral |
| Tanuman Ghosh | ASI2024_732 | Inter-University Centre for Astronomy and Astrophysics | Nature of accretion in ULXs | Oral |
| Shalabh Gautam | ASI2024_823 | ICTS, Bengaluru | Compactified Hyperboloidal Evolution in Numerical Relativity | Oral |
| Monalisa Dubey | ASI2024_826 | Aryabhata Research Institute of Observational Sciences (ARIES), Nainital | Unraveling the progenitor characteristics of long-plateau core-collapse supernovae via light curve modelling | Oral |
| Broja G Dutta | ASI2024_828 | Department of Physics, RBC College, West Bengal State University | Origin of Soft/Hard X-ray Time Lags in Black Hole Transients and Bare-Type AGN | Oral |
| Avishek Basu | ASI2024_840 | The University of Manchester - Jodrell Bank Centre for Astrophysics | Discovery of long-term pulse profile evolution in 7 young pulsars using MeerKAT. | Oral |

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| Arvind Balasubramanian | ASI2024_853 | Tata Institute of Fundamental Research, Mumbai | uGMRT follow-up observations of persistent radio sources associated with repeating FRBs FRB121102 and FRB190520B | Oral |
| Vivek Kumar Agrawal | ASI2024_867 | U. R. Rao Satellite Centre Bangalore | Investigations of spectral and timing properties of Z and atoll sources using AstroSat data | Oral |
| Sangita Kumari | ASI2024_941 | National centre for radio astrophysics | First Comprehensive Study on Eclipse Cut-off Frequency Changes in pulsar J1544+4937 and the Reasons Behind Them | Oral |
| Vishwajeet Vishwajeet | ASI2024_966 | IIT Bombay | GRB 230204B: A highly energetic And Fast Fading GRB | Oral |
| Ramadevi M C | ASI2024_967 | ISRO | Wide Field X-ray Spectrometer with Micro Pore Optics for future X-ray astronomy mission | Oral, (will be moved to Facilities, Technologies and Data science) |
| Tushar Tripathi | ASI2024_1003 | Aryabhata Research Institute of Observational Sciences | Intra-night optical flux and polarization variability of BL Lacertae during its 2020 – 2021 high state | Poster |
| Athira M Bharathan | ASI2024_1013 | CHRIST (Deemed to be University) | Detection of X-ray polarization in the high synchrotron peaked blazar 1ES 1959+650 | Poster |
| Aminabi Thekkoth | ASI2024_1014 | University of Calicut, Kerala | Study on the origin of recent enhanced gamma-ray activity from 4C 31.03. | Poster |
| Piyali Ganguly | ASI2024_1025 | Inter University Centre for Astronomy and Astrophysics | Far and Near UV sources in the UVIT deep field around IC4329a and their multi-wavelength counterparts | Poster |
| Sayantana Pal | ASI2024_1026 | IISER Kolkata | Exploring the effects of J2 perturbation on the LISA-like constellation | Poster |
| SANGITA MAITI | ASI2024_1033 | RISHI BANKIM CHANDRA COLLEGE | A Comprehensive Study of Accretion Dynamics in XTE J1550-564 during 1998 and 2000 Outbursts | Poster |
| Spandan Sarma | ASI2024_117 | Indian Institute of Science Education and Research, Bhopal | Comparative Analysis of Binary Neutron Star Mergers: LS220 Equation of State at Finite and Zero Temperature | Poster |
| Rahul Sharma | ASI2024_119 | Raman Research Institute | X-ray Pulsar 4U 1626-67 returns to spin-down: timing feature toe the line | Poster |
| Chandrachur Chakraborty | ASI2024_121 | Manipal Centre for Natural Sciences, Manipal Academy of Higher Education, INDIA | Magnetic Penrose process in the magnetized Kerr spacetime: a possible source of ultrahigh-energy cosmic rays | Poster |
| AMAL ABDULRAHMAN | ASI2024_139 | FAROOK COLLEGE (aUTONOMOUS), CALICUT, KERALA | High energy emission and multiwavelength structure of the large scale jets of Active Galactic Nuclei | Poster |

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|--------------------|-------------|---|--|--------|
| Ajith Balu | ASI2024_145 | Raman Research Institute | Studying the X-ray reprocessing region of Centaurus X-3 using nearly fourteen years of MAXI/GSC data | Poster |
| Manoj Ghosh | ASI2024_154 | Indian Institute of Technology | Ambipolar diffusion velocity and magnetic field evolution in magnetar core | Poster |
| Avik Das | ASI2024_158 | Indian Institute of Science Education and Research Mohali | The Detection of Possible Transient Quasiperiodic Oscillations in the γ -Ray Light Curve of PKS 0244-470 and 4C+38.41 | Poster |
| Anirban Dutta | ASI2024_167 | Raman Research Institute | Probing the X-ray Emissions in Dwarf Nova SS Cyg during Quiescence and Outburst | Poster |
| Pratik Thakur | ASI2024_169 | Indian Institute of Technology Jodhpur | Differentiating generic EoS families using f-mode Bounds and Universal Relations | Poster |
| Jithesh V | ASI2024_173 | CHRIST (Deemed to be University), Bengaluru | Broadband Spectral Variability of Ultra-Luminous X-ray Source Holmberg IX X-1 | Poster |
| Deeshani Mitra | ASI2024_186 | University of Valencia, Spain | Comparison of different time-frequency transforms to analyse gravitational waves | Poster |
| Soma Mandal | ASI2024_191 | Government Girls' General Degree College, Kolkata | Spectral-timing analysis of kHz QPOs observed by AstroSat | Poster |
| ATHAR AHMAD DAR | ASI2024_196 | UNIVERSITY OF KASHMIR | Can FSRQ 3C 345 be a Very High Energy Blazar Candidate? | Poster |
| Sagnik Chatterjee | ASI2024_198 | Indian Institute of Science Education and Research Bhopal | Implications of first order phase transition in the light of twin stars | Poster |
| Kamal Krishna Nath | ASI2024_201 | Indian Institute of Science Education and Research Bhopal | Change In Neutron Star Gravitational Wave Signals From Accretion Induced Starquakes | Poster |
| Shyam Prakash V P | ASI2024_203 | U. R Rao Satellite Centre, ISRO, Bangalore | AstroSat View of the Neutron Star Low-mass X-Ray Binary GX 5-1 | Poster |
| Sampurna Bhar | ASI2024_211 | Presidency University, Kolkata | Black Hole and Wormhole shadows: a tool to test theories of gravity | Poster |
| Anagh Veneti | ASI2024_213 | Bits-pilani, Hyderabad | Finite Nuclei Constraints On Neutron Star Equation of State | Poster |
| Himanshu Verma | ASI2024_216 | IIT Bombay | Microlensing Black Hole Shadows | Poster |
| Shilpa Sarkar | ASI2024_233 | HRI, Prayagraj | Imprints of spin on the solution and emission spectrum of accretion flows around black holes | Poster |
| Avaneesh Yadav | ASI2024_235 | Veer Bahadur Singh Purvanchal University | Investigation of variability in QPOs of GX 339-4 during the 2021 outburst using NuSTAR and GHATS | Poster |
| Rashmi Maurya | ASI2024_236 | Veer Bahadur Singh Purvanchal University, Jaunpur, 222001 | Investigating the Evolution of QPOs in the LMXB GX 339-4 during the 2021 Outburst using NICER and GHATS | Poster |

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|------------------------|-------------|--|---|--------|
| Mary Bosco | ASI2024_241 | Christ (Deemed to be University) , Bangalore | Broadband spectral and temporal properties of MAXI J1348–630 and Swift J1658.2–4242 | Poster |
| Vinay Kumar | ASI2024_249 | International Centre for Theoretical Sciences | Numerical and analytical investigations of 3D flux-tube magnetic reconnection | Poster |
| Siddhant Manna | ASI2024_251 | IIT HYDERABAD | Search for GeV Gamma-Ray Emission from South Pole Telescope selected Galaxy Clusters with 15 years of Fermi-LAT data | Poster |
| Brijesh Kanodia | ASI2024_254 | Indian Institute of Science | Faint light of old neutron stars and detectability at the James Webb Space Telescope | Poster |
| Bikram Keshari Pradhan | ASI2024_258 | IUCAA, INDIA | Probing hadron-quark phase transition in twin stars using Gravitational waves from Neutron Star $\nu\nu$ -modes | Poster |
| Swarnim Shirke | ASI2024_259 | Inter-University Centre for Astronomy and Astrophysics | R-modes as a New Probe of Dark Matter in Neutron Stars | Poster |
| Anushka Doke | ASI2024_26 | ICTS-TIFR | Gravitational Waves from Inspiring Neutron Star Binaries: Magnetic Fields, Tidal Fields and Eccentricities | Poster |
| Yash Bhargava | ASI2024_265 | Tata Institute of Fundamental Research | Unravelling the spectral evolution along the Z-track using AstroSat observations of GX 340+0 | Poster |
| Ruchi Pandey | ASI2024_269 | Physical Research Laboratory | Shock-induced dust formation in nova V2891 Cyg: a phenomenological approach | Poster |
| Prajwal Majumder | ASI2024_278 | Rishi Bankim Chandra College, Naihati, West Bengal | Energy dependent spectro-temporal study of HFQPOs of GRS 1915+105 during softer variability state: A multi-mission approach | Poster |
| Jagannath Mahapatra | ASI2024_281 | Institute for Plasma Research, Gandhinagar | Magnetic Island Coalescence Driven Reconnection and Role of Shear flows | Poster |
| Maitreya Kundu | ASI2024_29 | Presidency University, Kolkata | Location of a Large Sample of GeV and Optical Outbursts in the Jets of Blazars | Poster |
| Ajay Sharma | ASI2024_291 | S.N. Bose National Centre For Basic Sciences | Detection of Quasi-periodic Oscillations in gamma-rays in AGN | Poster |
| Vivek Baruah Thapa | ASI2024_298 | Bhawanipur Anchalik College, Barpeta, Assam | Contribution of neutron star core superfluidity in pulsar glitches | Poster |
| Rajiv Kumar | ASI2024_305 | HRI, Prayagraj | Simulation of accretion flow in hydrodynamic regime around black hole | Poster |
| Hitesh Tanenia | ASI2024_307 | JAMIA MILLIA ISLAMIA (JMI) | Modelling the Energy-dependent temporal behavior of black-hole X-ray binary GX 339-4 as observed by NICER and Astrosat | Poster |

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|-----------------------------|-------------|--|--|--------|
| Abhishek Kulkarni | ASI2024_31 | Indian Institute of Technology (IIT) Tirupati | Hierarchical Bayesian Inference to constrain the equation of state of neutron stars | Poster |
| Navneet Mishra | ASI2024_333 | Student | Quasinormal modes of Schwarzschild black hole. | Poster |
| Gaurav Waratkar | ASI2024_334 | Indian Institute of Technology Bombay | Sifting for electromagnetic counterparts to LIGO-Virgo-KAGRA Gravitational Wave triggers using AstroSat-CZTI | Poster |
| Harihar Pradhan | ASI2024_336 | Indian Institute of Technology, Hyderabad | Study of Relativistic Magnetic Reconnection via Magnetohydrodynamic Simulations | Poster |
| Varun Bhalerao | ASI2024_342 | IIT Bombay | Daksha: Indian Eyes on Transient Skies | Poster |
| RAJALAKSHMI T R | ASI2024_351 | MAHATMA GANDHI UNIVERSITY KERALA | Using order statistics as proxies for spectral summaries of X-ray Binaries | Poster |
| Subhadip Bouri | ASI2024_367 | Indian Institute of Science | The First Search for High-Energy Neutrino Emission from Galaxy Mergers | Poster |
| Chandranathan Anandavijayan | ASI2024_375 | International Center for Theoretical Sciences, Tata Institute of Fundamental Research, Bengaluru, IN | Quasi-two-dimensional nature of 3D magnetically dominated decaying turbulence. | Poster |
| M. VARUN | ASI2024_382 | CHRIST (Deemed to be University) | Type I X-ray burst studies of 4U 1702-429 using AstroSat | Poster |
| Sunder Sahayanathan | ASI2024_384 | Homi Bhabha National Institute | Can the Thermal Evolution of the Fireball alone explain the GRB 171227A? | Poster |
| Sree Pujitha Suribhatla | ASI2024_389 | Indian Institute of Astrophysics, Bengaluru | Spectral&timing properties of newly discovered black hole binary Swift J1727.8-1613 during its 2023 outburst using AstroSat data | Poster |
| Hima Thomas | ASI2024_393 | St Joseph's University | Multiwavelength population study of the Fermi detected GRBs | poster |
| Sree Bhattacharjee | ASI2024_411 | Tezpur University | Spectral and timing evolution of 4U 1608-52 using AstroSat and NICER | Poster |
| RUPNATH SIKDAR | ASI2024_42 | Indian Centre for Space Physics | Study of Secondary Cosmic Rays using Small Stratospheric Balloon-Borne Missions | Poster |
| Pulkit Ojha | ASI2024_427 | IMSc | "Evolution of neutron star low mass X-ray Binaries" | Poster |
| Chahat Dudeja | ASI2024_428 | National Center for Radio Astrophysics | Multi-frequency GMRT study of FRB20201124A | Poster |
| Saikruba Krishnan | ASI2024_433 | The Inter-University Centre for Astronomy and Astrophysics (IUCAA) | Multi-wavelength study of an X-ray flaring event and a variable soft X-ray excess in Seyfert galaxy detected with eROSITA | Poster |

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|----------------------------|-------------|--|--|--------|
| Susmita Jana | ASI2024_438 | IIT Bombay | Indirect detection of pulsar emission at kHz using ground-based gravitational wave detector. | Poster |
| Akshat Singhal | ASI2024_450 | HOMI BHABHA CENTRE FOR SCIENCE EDUCATION | A Reliable Approach to Quantifying Period Uncertainty in X-ray Pulsars with Poisson-Limited Data | Poster |
| Kuntal Misra | ASI2024_454 | ARIES | Unveiling the progenitors of core-collapse supernovae using optical observations | Poster |
| ABHISEK TAMANG | ASI2024_456 | INDIAN INSTITUTE OF SCIENCE & RAMAN RESEARCH INSTITUTE, BANGALORE | Probing the Stellar Wind in Vela X-1 with MAXI/GSC Data | Poster |
| DEBADRI BHATTACHARJEE | ASI2024_461 | Cooch Behar Panchanan Barma University | Estimation of the maximum mass of an anisotropic fluid sphere with modified Chaplygin gas equation of state | Poster |
| Sudhagar Suyamprakasam | ASI2024_462 | Nicolaus Copernicus Astronomical Center Polish Academy of Sciences | A non-template-based data analysis approach to detect continuous GW from targeted neutron stars at dual harmonics | Poster |
| PRADIP KUMAR CHATTOPADHYAY | ASI2024_465 | Cooch Behar Panchanan Barma University | A study on the maximum mass and stability of strange stars affected by the mass of strange quark ($m_s \neq 0$). | Poster |
| Amit Kumar | ASI2024_468 | Aryabhata Research Institute of Observational Sciences | Nature of Ultra-Long Gamma-ray Bursts and GRB 221009A | Poster |
| Prasanta Bera | ASI2024_470 | The Open University of Israel | A Numerical Study of Relativistic Oblique Shock Reflection | Poster |
| Advait Mehla | ASI2024_472 | Indian Institute of Technology Bombay | All-sky Compton Imaging with the Daksha space mission | Poster |
| Anil Kumar | ASI2024_473 | PhD student | Hybrid star are compatible with recent astrophysical observations | Poster |
| Neev Shah | ASI2024_474 | Indian Institute of Science Education and Research, Pune | Population Inference of Merging Compact Binaries in the Presence of Lensing | Poster |
| Subham Ghosh | ASI2024_485 | International Centre for Theoretical Sciences | Reconnection driven particle acceleration to understand the non-thermal emission in galaxy clusters | Poster |
| UTKARSH PATHAK | ASI2024_488 | INDIAN INSTITUTE OF TECHNOLOGY BOMBAY | GRB230812B - Exploring Jet Physics and Polarization for an Extremely Bright Gamma Ray Burst | Poster |
| K Sriram | ASI2024_489 | Osmania University | Detection of lags in Cyg X-2 using AstroSat | Poster |
| Surabhi Chandra | ASI2024_496 | Indian Institute of Space Science & Technology | Exploring Gamma-Ray Burst Radio Afterglow Population | Poster |
| Sarvesh Gharat | ASI2024_50 | IIT Bombay | Gamma Ray AGNs: Estimating Redshifts and Blazar Classification using traditional Neural Networks with smart initialization and s | poster |

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|--------------------------|-------------|--|---|--------|
| Biki Ram | ASI2024_500 | Indian Institute of Technology Indore | Investigation of emission variability evolution and associated flip-flop behaviour during the 2021 outburst of black hole X-ray | Poster |
| Rushikesh Sonawane | ASI2024_516 | Indian Institute of Science Education and Research, Thiruvananthapuram | Spectro-Polarimetry of GRB180427A prompt emission: Evidence for two different emission sites. | Poster |
| Ruchika Dhaka | ASI2024_519 | IIT Kanpur | Exploring Energy-Dependent Temporal Variability in the Black Hole Binary GRS 1915+105 | Poster |
| Shubham Singh | ASI2024_522 | National Centre for Radio Astrophysics, Pune | Single pulse polarization study of pulsars B0950+08 and B1642-03 with GMRT | Poster |
| Devanand P U | ASI2024_530 | Aryabhata Research Institute Of Observational Sciences, Nainital | X-ray spectral variability studies of HBL Blazars with XMM-Newton | Poster |
| KAVYA S | ASI2024_535 | MSc Physics graduate from Central University of Karnataka in the year 2023 | GBPREP: GMRT Beam data Preparation and Reduction Pipeline | Poster |
| H Lalthantluanga | ASI2024_538 | Mizoram University | Long-term study of broadband variability in Cygnus X-1 using AstroSat | Poster |
| Siddhartha Bhattacharyya | ASI2024_557 | National Centre for Radio Astrophysics (NCRA-TIFR) | High-time resolution view of periodic FRB20180916B with the GMRT | Poster |
| PRAGYAN PRATIM BORDOLOI | ASI2024_561 | INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH THIRUVANANTHAPURAM | Identification and modelling of optically thin inverse Compton scattering in the prompt emission of GRB131014A | Poster |
| AAQIB MANZOOR | ASI2024_564 | KASHMIR UNIVERSITY | Understanding the very high energy γ gamma-ray excess in nearby blazars using leptonic model | Poster |
| SAJAD AHMAD BOKED | ASI2024_565 | UNIVERSITY OF KASHMIR | Time resolved spectroscopy of a GRS 1915+105 flare during its unusual low state using AstroSat. | Poster |
| Prasun Dhang | ASI2024_572 | JILA, CU Boulder | MRI dynamo in a geometrically thin accretion disc | Poster |
| Akash Maurya | ASI2024_574 | International Centre for Theoretical Sciences (ICTS) | Surrogate models for eccentric binary black hole coalescences | Poster |
| Susmita Das | ASI2024_58 | Presidency university, Kolkata | Cross-Spectrum of X-Ray Inter-Band Variability of Two TeV Blazars from AstroSat | Poster |
| Anish Sarkar | ASI2024_592 | IIT Hyderabad | Numerical approach to understand accretion rate-dependent disk structure using Kluzniak Kita analytical solutions | Poster |

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|-----------------------------|-------------|---|---|--------|
| Sonali Kadam | ASI2024_597 | SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY NANDED | Cold front in sloshing galaxy cluster Abell 2566 | Poster |
| Shamim Haque | ASI2024_606 | IISER Bhopal | Effects of Smoothness of Phase Transition in Binary Neutron Star Mergers | Poster |
| Praduman Pandey | ASI2024_611 | Bhabha Atomic Research Centre | Multiwavelength study of X-ray flaring activity in Mrk 501 during June 2022 | Poster |
| Vaibhav Sharma | ASI2024_616 | Indian Institute of Technology, Kanpur, India | Spectral and Temporal studies of black hole X-ray binary GX 339-4 of its 2021 outburst using AstroSat data | Poster |
| Shraddha Mohnani | ASI2024_621 | Indian Institute of Technology Indore | Modelling the multi-wavelength afterglow lightcurves of Gamma Ray Bursts | Poster |
| Chintan Patel | ASI2024_622 | St. Xavier's College Mumbai | The Minor Outbursts of Black hole XRB 4U 1630-47 | Poster |
| PRIYESH KUMAR TRIPATHI | ASI2024_627 | Aryabhata Research Institute of Observational Sciences, Nainital | Effect of the fluid composition on the Bondi-Hoyle accretion flow | Poster |
| Atul Pathania | ASI2024_629 | Bhabha Atomic Research Centre, Mumbai | Search for Pulsed Very High Energy Gamma-ray Emission from the Crab Pulsar using MACE | Poster |
| Anu Kundu | ASI2024_630 | Centre for Space Research, North-West University, Potchefstroom, South Africa | The multipolar magnetic field of NICER Millisecond Pulsar J0030+0451 | Poster |
| Bitan Ghosal | ASI2024_631 | Bhabha Atomic Research Centre | Understanding the influence of turbulence in short-term variability properties of blazar | Poster |
| Soumen Mondal | ASI2024_658 | Jadavpur University | The Dissipative Shocks and origin of spectral transition in XRBs. | Poster |
| Gunindra Krishna Mahanta | ASI2024_670 | Bhabha Atomic Research Centre (BARC), HBNI | GMRT observation of the unidentified PeVatron candidate LHAASO J2108+5157 | Poster |
| Ketan Rikame | ASI2024_671 | Raman Research Institute (RRI), Bangalore ; CHRIST (Deemed to be University) | X-ray Diwali in sky: Study of flares and bursts during eclipses of X-ray binary systems | Poster |
| Sujay Mate | ASI2024_681 | Tata Insititute of Fundamental Research Mumbai | Searching for second-timescale radio transients with CHIME telescope | Poster |
| Anirudh Salgundi | ASI2024_686 | Indian Institute of Technology Bombay | Broadband spectral and timing analysis of slow burster 4U 1728-34 using AstroSat | Poster |
| Vishal Ravishankar | ASI2024_687 | Indian Institute of Science Education and Research Pune | Study of a Fast Blue Optical Transient AT2022kmm and its Progenitor Evolution | Poster |

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|---------------------|-------------|---|---|--------|
| Raj Kumar | ASI2024_689 | Homi Bhabha National Institute, Mumbai | Spectral studies and spin estimation of XTE J2012+381 using simultaneous observations of Swift/XRT and NuSTAR | Poster |
| Mayusree DAS | ASI2024_69 | Indian institute of science | Detection possibility of continuous gravitational waves from isolated rotating magnetized compact objects | Poster |
| Santhiya P S | ASI2024_691 | International Centre for Theoretical Sciences | Study of Accretion Disk-Jet Symbiosis using General Relativistic Magnetohydrodynamic Simulations | Poster |
| Gulab Dewangan | ASI2024_693 | IUCAA | Multi-wavelength Probes of Accreting Compact Objects with AstroSat | Poster |
| Arpan Krishna Mitra | ASI2024_696 | Aryabhata Research Institute of Observational Sciences | Spinning Black Hole in a Fluid? | Poster |
| Divita Saraogi | ASI2024_701 | IIT Bombay | Localisation of Gamma Ray Bursts using AstroSat Mass Model | Poster |
| Sreyashi Shetty | ASI2024_705 | K. V. Pendharkar College | Analysis of Hoop Conjecture for non static black holes | Poster |
| Narendranath Layek | ASI2024_712 | Physical Research Laboratory | Long-term X-ray temporal and spectral study of a Seyfert galaxy Mrk 6 | Poster |
| Srimanta Banerjee | ASI2024_719 | IUCAA, Pune | Multi-wavelength spectral study of MAXI J1820+070 in outburst | Poster |
| SURAJ CHAURASIA | ASI2024_730 | BANARAS HINDU UNIVERSITY | Flux Estimation and Polarization Analysis of Cygnus X-3: Insights into Funnel shaped Disk Winds | Poster |
| Pabitra Gayen | ASI2024_733 | Presidency University, Kolkata | Scalar and Spinor Quasi Normal Modes of a 2D Dilatonic Blackhole | Poster |
| Resmi Lekshmi | ASI2024_735 | Indian Institute of Space Science & Technology | In search of kilonova remnants in the Milky Way | Poster |
| Ravi Kumar | ASI2024_753 | Indian Institute of Technology, Bombay | GIT230919aa: Curious case of a slow-evolving nova in M31 | Poster |
| Neal Titus Thomas | ASI2024_756 | CHRIST (Deemed to be University) | Comprehensive spectro-temporal studies of GX 5-1 using AstroSat | Poster |
| Javid Tantry | ASI2024_759 | University of Kashmir | Constraining the jet power of blazar Mrk501 | Poster |
| SIKANDAR AKBAR | ASI2024_761 | UNIVERSITY OF KASHMIR | Long term correlation study between X-ray spectral parameters of Mkn 421 using Astrosat data | Poster |
| Shrutika Tiwari | ASI2024_762 | School of Studies in Physics and Astrophysics, Pt. Ravishankar Shukla University, Raipur. | Normal Type Ia Supernova SN 2010ju | Poster |
| Jyotishree Hota | ASI2024_765 | NIT Rourkela | Multi-wavelength Analysis of Extreme high frequency bl lacs (EHLs), 1ES 0229+200 | Poster |

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|---------------------|-------------|---|--|--------|
| Abhishek Jha | ASI2024_771 | Indian Institute of Science | Influence of gravity on the quantum speed limit in neutrino oscillations | Poster |
| Yuvraj Sharma | ASI2024_774 | ICTS-TIFR | Rapid Identification and Classification of Eccentric BBH mergers using Machine Learning | Poster |
| Sushmita Agarwal | ASI2024_777 | Indian Institute of Technology, Indore | Signatures of local absorption in high energy spectrum | Poster |
| Sandeep Godiyal | ASI2024_781 | Bhabha Atomic Research Centre, Mumbai | Hard Gamma-ray Spectrum Blazars as Potential Targets for MACE observations | Poster |
| Bhuvaneshwari Kashi | ASI2024_783 | ICTS-TIFR | Visualization of Higher Order Gravitational Wave Modes: Spherical Harmonics Analysis using NR Simulated Data in Paraview | Poster |
| Rishabh Singh Teja | ASI2024_789 | Indian Institute of Astrophysics | The Decadal Supernova 2023ixf: Early days and beyond in multiwavelength from far UV to near IR. | Poster |
| Khushi Jirawala | ASI2024_790 | CHRIST (Deemed to be University) | NuSTAR view of XTE J1701-462: Constraining the physical parameters | Poster |
| Shriharsh Tendulkar | ASI2024_792 | Tata Institute of Fundamental Research | Prospects of measuring gamma-ray burst polarization with the Daksha mission | Poster |
| Ashad Ahmad | ASI2024_793 | Indian Institute of Technology Indore | Bending of Radio Jets in Merging Galaxy Clusters: Insights from MHD Simulations | Poster |
| Kiran Wani | ASI2024_795 | Aryabhata Research Institute of Observational Sciences (ARIES), Nainital. | Broadband Emission of Blazar BL Lacertae of a recent flare during November 2022-January 2023 | Poster |
| Yogesh Maan | ASI2024_801 | NCRA - TIFR, Pune | Observational links between Magnetars and Fast Radio Bursts | Poster |
| Tanima Mondal | ASI2024_806 | Dept. of Physics, Indian Institute of Technology, IIT Kharagpur, | Afterglow Modeling of Gamma Ray Bursts (GRBs) at Very High Energy (VHE) regime | Poster |
| Shailendra Singh | ASI2024_824 | IISER Bhopal | Observational counterparts of Shock induced phase transition in neutron stars | Poster |
| Niranjan A | ASI2024_827 | Indian Institute of Science Education and Research, Mohali | Accretion onto strongly magnetized misaligned neutron stars | Poster |
| Hritwik Bora | ASI2024_832 | Tezpur University | Jet power of Mkn 501 from Broadband SED modeling | Poster |
| Dimple Dimple | ASI2024_835 | CMI, India | Evidence for two distinct populations of kilonova-associated Gamma-Ray Bursts using machine learning algorithms | Poster |

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| Rounak Nath | ASI2024_838 | Indian Institute of Technology, Kanpur | Gravitational Geometric Phase in Ellis-Bronnikov Wormhole Spacetime | Poster |
| Pankaj Saini | ASI2024_852 | Chennai Mathematical Institute | Resolving the eccentricity of stellar mass binary black holes with next-generation ground-based gravitational wave detectors | Poster |
| SUBHASISH DAS | ASI2024_855 | GURU GHASIDAS CENTRAL UNIVERSITY | Study of Horizontal Branch Quasi-Periodic Oscillations on Neutron Star Low mass X-ray Binary GX 5-1 | Poster |
| Sandeep Kumar Mondal | ASI2024_861 | Raman Research Institute | Study of Emission Mechanism of a HBL Source, Mrk 180, using Long-Term Multi-Wavelength Data | Poster |
| Praveer Tiwari | ASI2024_863 | Indian Institute of Technology, Bombay | Learning the Equation of State to Observable Map for Neutron Stars | Poster |
| Khushboo Sharma | ASI2024_882 | Aryabhata research institute of observational sciences ,Nainital | Diffuse Neutrino Flux from Choked and Low-Luminosity GRBs | Poster |
| BAHEEJA C | ASI2024_888 | University of Calicut | Investigating the X-ray spectral curvature of the Blazar Mkn 421 | Poster |
| Mridweeka Singh | ASI2024_89 | Indian Institute of Astrophysics | Type Ia SNe: An emerging heterogeneous class of white dwarf explosion | Poster |
| Jasna A | ASI2024_906 | Calicut University Campus | FERMI/LAT OBSERVATIONS OF ENHANCED GAMMA-RAY FLARE FROM FSRQ 3C 345 DURING SEPTEMBER 2022 | Poster |
| Shruti Mukherjee | ASI2024_917 | Indian Institute of Technology Indore | Study the long-term temporal & spectral behavior of FSRQ 4C+01.02 | Poster |
| Kalyanbrata Pal | ASI2024_919 | Harish Chandra Research Institute | Quasi periodic oscillation of accretion disks around spinning black hole (BH) and spin calculation of BH using GRMHD simulation | Poster |
| Rukaiya Khatoun | ASI2024_933 | Centre for Space Research, North-West University | Comprehensive analysis of the 2021 Flare in BL Lacertae: A Broadband Investigation | Poster |
| Kripa Ram Sahu | ASI2024_940 | School of Studies in Physics & Astrophysics, Pt.Ravishankar Shukla University Raipur, Chhattisgarh | Optical Studies of Type Ic Supernova SN 2020akf in galaxy KUG 0925+387B | Poster |
| Devendra Sahu | ASI2024_944 | Indian Institute of Astrophysics | Photometric and Spectroscopic Studies of Supernova SN 2021mxx | Poster |
| Mayank Pathak | ASI2024_951 | Indian Institute of Science, Bangalore | Spectral Analysis of Stellar Mass Black Holes: Theory and Simulation | Poster |
| Anuraag Arya | ASI2024_981 | IIT Bombay | Demonstration of Compton Imaging in Hard X-rays | Poster |
| AYUSH GARG | ASI2024_996 | Mr. | Study of an unusual long GRB 220627A | Poster |
| Amar Nath | ASI2024_739 | Cochin University of Science and Technology | A Software Pipeline for the Detection of Microstructures in Pulsar Emission | Poster (will be moved to Facilities, Technologies and Data science) |

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| Sruti Satyasmita | ASI2024_71 | Indian Institute of Technology, Hyderabad | Structures of kinetic scale magnetic discontinuity in solar wind turbulence | Poster (will be moved Sun, Solar System, Exoplanets, and Astrobiology) |
| Bhavya Ailawadhi | ASI2024_1009 | ARIES | Unveiling the Characteristics of the Fast-Declining Type II-P Supernova SN 2020aze | Poster |
| Aman Srivastava | ASI2024_128 | Department of Physics, Indian Institute of Technology Hyderabad | Noise analysis of the Indian Pulsar Timing Array data release I | Poster |
| Prakriti Pal Choudhury | ASI2024_132 | University of Oxford, United Kingdom | Hunt for cold fronts produced by thermal instability in unmagnetised and weakly magnetised cluster cores | Poster |
| Rahul Gupta | ASI2024_14 | ARIES NAINITAL | Understanding Dark Gamma-ray Bursts: The Case of GRB 150309A | Poster |
| PARIKSHIT PARTHA BISWAS | ASI2024_287 | Nicolaus Copernicus Astronomical Center, Warszawa, Poland | Internal heating effects of disk atmosphere in AGNs and it's influence on the iron line complex | Poster |
| Santanu Mondal | ASI2024_294 | Indian Institute of Astrophysics | Intermediate-mass black holes and powering ultraluminous X-ray sources | Poster |
| Suman Bala | ASI2024_324 | USRA (Universities Space Research Association) | Fermi GBM contribution in multimessenger astronomy, including the results from O4 | Poster |
| Kinjal Roy | ASI2024_354 | Raman Research Institute | Two fundamental cyclotron lines detected in 4U 0115+63 during 2023 outburst | Poster |
| Judhajeet Basu | ASI2024_360 | Indian Institute of Astrophysics, Bangalore | M31 nova survey using GIT and UVIT with a focus on the multiple eruptions of the remarkable recurrent nova M31N 2008-12a | Poster |
| CHANDAN KUMAR DAS | ASI2024_431 | Indian Institute of Technology Indore | Role of magnetic reconnection in variability of Blazars using numerical simulations | Poster |
| MUHAMMED IRSHAD P | ASI2024_541 | International Centre for Theoretical Sciences | Fluctuation dynamo in a collapsing plasma | Poster |
| Lavanya S | ASI2024_549 | Christ Deemed to be University | Analysis of type I X-ray bursts from 4U 1735-44 using AstroSat data | Poster |
| soumya gupta | ASI2024_72 | Homi Bhabha National Institute | GRB 230307A spectro-polarimetry studies: Evidence of transition from Baryonic to Poynting flux-dominated jet composition | Poster |
| Birendra Chhotaray | ASI2024_727 | Physical Research Laboratory, Ahmedabad, Gujarat, India | Long-term Study of the First Galactic Ultraluminous X-ray Source Swift J0243.6+6124 Using NICER | Poster |
| Bidisha Bandyopadhyay | ASI2024_851 | Universidad de Concepcion | Signatures of outflows in the environment of supermassive black holes | Poster |

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| Parthapratim Mahapatra | ASI2024_922 | Chennai Mathematical Institute | Black hole hierarchical growth efficiency and mass spectrum predictions | Poster |
| Ujjwal Panda | ASI2024_418 | National Centre for Radio Astrophysics | Injections and detections of FRBs for the SPOTLIGHT project with the GMRT | Poster (will be moved to Facilities, Technologies and Data science) |
| Shatakshi Chamoli | ASI2024_386 | Indian Institute of Astrophysics | Exploring Image Subtraction Techniques to Search for Novae (and other Transients) in M31 | Poster (will be moved to Facilities, Technologies and Data science) |
| Ankita Patel | ASI2024_588 | PHYSICAL RESEARCH LABORATORY | Development of Closed Loop Controls for AO System- Two PC based approach using Socket Programming | Poster (will be moved to Facilities, Technologies and Data science) |
| Anand Jain | ASI2024_617 | U R Rao Satellite Centre, Indian Space Research Organisation | Test and Characterization of MicroPore X-ray Optics for Space Science Instrumentation | Poster (will be moved to Facilities, Technologies and Data science) |
| VENUGOPAL KRISHNAN | ASI2024_717 | BHABHA ATOMIC RESEARCH CENTRE | Performance study of the MACE telescope Camera Integrated Module | Poster (will be moved to Facilities, Technologies and Data science) |