

### HCT Accepted Proposal : Cycle 01-2024

PROPOSAL	TITLE	PI	AFFILIATION	INSTRUMENT	DATE
HCT-2024-C1-P2	Tracking the spectral evolution of Tidal disruption events	Hema B P	Indian Institute of Astrophysics (IIA), Bengaluru	HESP	Feb 20 March 22
HCT-2024-C1-P3	High-resolution spectroscopic studies of newly discovered Hydrogen-deficient carbon stars for investigating their origin	Gajendra Pandey	Indian Institute of Astrophysics (IIA), Bengaluru	HESP	Jan 05
HCT-2024-C1-P4	Optical and NIR observations of nearby core-collapse supernovae from the photospheric to late phase	Rishabh Singh Teja	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC TRISPEC	Jan 08 Feb 07,19 March 13 April 14
HCT-2024-C1-P5	Observations of imminent impactors and risky NEOs	Toni Santana Ros	Institut de Ci�ncies del Cosmos de la Universitat de Barcelona (ICCUB)	HFOSC	ToO
HCT-2024-C1-P6	Optical and Near Infrared study of Cataclysmic Variables	Gesew Reta Habtie	S. N. Bose National Centre for Basic Science	HFOSC	Feb 17,18
HCT-2024-C1-P7	Probing the optical spectroscopic properties of five Cataclysmic Variables (CVs)	Arti Joshi	Pontificia Universidad Cat�lica de Chile	HFOSC	Jan 01,29
HCT-2024-C1-P8	Time-series CCD photometry of Globular Clusters	Sunetra Giridhar	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	March 14 April 04
HCT-2024-C1-P9	Photometric (optical/NIR) and spectroscopic (optical/NIR) monitoring of FU Ors and EX Ors Eruptive Young Stellar Objects (MFES Program)	Koshvendra Singh	Tata Institute of Fundamental research (TIFR), Mumbai	HFOSC TRISPEC	Jan 28,29 April 12,13,14,15,16,17,18,19,20,21
HCT-2024-C1-P10	Spectroscopic observations of extragalactic novae in outburst	Judhajeet Basu	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	ToO
HCT-2024-C1-P11	A spectroscopic population study of cataclysmic variables using HFOSC	Nikita Rawat	Aryabhata Research Institute of Observational Sciences (ARIES), Nainital	HFOSC	Jan 16 Feb 13
HCT-2024-C1-P12	Monitoring the extreme cases of broad absorption line variability in AGN	Sushant Kumar	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	Jan 09 Feb 05 March 02,15 April 05
HCT-2024-C1-P13	A pilot study of the star-forming polar ring galaxies using deep H-alpha Imaging.	Chandan	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	March 08,09
HCT-2024-C1-P14	Geometric distances to the super massive black hole in AGNs: Reverberation mapping Monitoring	Shivangi Pandey	Aryabhata Research Institute of Observational Sciences (ARIES), Nainital	HFOSC	Jan 04,12,20,28 Feb 05,11,17,28 March 04,11,19,28 April 03,10,19,28
HCT-2024-C1-P15	ToO observations of SNe imposters and violent transients.	Firoza Sutaria	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC TRISPEC HESP	ToO
HCT-2024-C1-P16	ToO observations of core-collapse supernovae (CC-SNe).	Firoza Sutaria	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC TRISPEC HESP	ToO

HCT-2024-C1-P18	Connection between nuclear outflows and jet launching in AGN using coordinated Radio and Optical observations.	Vivek M	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	Feb 10 April 01,02,12
HCT-2024-C1-P19	Spectroscopic and photometric follow-up of Class II irregular variables	Tarak Chand	Aryabhata Research Institute of Observational Sciences (ARIES), Nainital	HFOSC TRISPEC	Jan 31 Feb 16
HCT-2024-C1-P20	Probing the host environment and related luminosity distribution of type Ia SNe	Mridweeka Singh	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	Feb 02 March 16
HCT-2024-C1-P22	Spectroscopy of kinematically associated members of the Cepheus Flare	Arun Roy	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	April 29,30
HCT-2024-C1-P23	Follow-up observations of core-collapse supernovae.	Firoza Sutaria	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	Jan 11 Feb 14 March 12 April 09
HCT-2024-C1-P24	Spectroscopy of carbon enhanced metal-poor stars: Optical and Near Infrared	Partha Pratim Goswami	Aryabhata Research Institute of Observational Sciences (ARIES), Nainital	TRISPEC HESP	April 19,20
HCT-2024-C1-P25	Monitoring of night sky at IAO, Hanle and calibration of new filter-detector system	Devendra Sahu	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	Jan 22 Feb 29 March 18,31 April 18
HCT-2024-C1-P28	Early Solar System Remnants: Testing Solar System Formation	Karen Meech	Institute for Astronomy, University of Hawaii	HFOSC	Jan 15 March 19
HCT-2024-C1-P29	Observations of Low Redshift Supernovae and other related transients	Devendra Sahu	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC TRISPEC	ToO
HCT-2024-C1-P30	Chemical peculiarity among the bright metal-poor stars: estimation of C,N,Mg, Sr & Ba using HFOSC spectroscopy	Pallavi Saraf	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	Jan 20,21
HCT-2024-C1-P31	HESP GOMPA (Galactic survey Of Metal Poor stars) survey of bright metal-poor stars	Pallavi Saraf	Indian Institute of Astrophysics (IIA), Bengaluru	HESP	Feb 06 March 05,29 April 16,17
HCT-2024-C1-P32	Solving a mystery of the least-studied group of objects with the B[e] phenomenon.	Mohit Singh Bisht	Indian Centre for Space Physics	HFOSC HESP	Feb 21
HCT-2024-C1-P34	Spectroscopic Follow-up of "intense" HBe stars using HESP	Shridharan Baskaran	Christ University, Bangalore	HESP	Jan 18
HCT-2024-C1-P35	Understanding the formation of the Galactic halo and the early galactic nucleosynthesis from the chemical imprints of Carbon-Enhanced Metal-Poor (CEMP) stars	Meenakshi Purandardas	Christ University, Bangalore	HESP	Jan 03 March 17
HCT-2024-C1-P36	Photometric and spectroscopic study of late-decline and quiescent phases of novae.	Neeraj Rawat	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	Jan 04 Feb 11 March 06,07 April 15
HCT-2024-C1-P37	Identifying Quasars behind the Galactic Plane at $ b  \leq 5$ deg	Ravi Joshi	Indian Institute of Astrophysics	HFOSC	Jan 06,07 April 27
HCT-2024-C1-P38	Shocks (among us) in the IGrM of Hickson Compact Group (HCG) 15: testing the high-velocity interloper scenario	Chris Riseley	Alma Mater Studiorum - Università di Bologna	HFOSC	Jan 02

HCT-2024-C1-P39	Spectroscopy of UV bright stars in open clusters	Geeta Rangwal	South-Western Institute for Astronomy Research, Kunming, China	HESP	March 03 April 28
HCT-2024-C1-P40	Tracking the spectral evolution of Tidal disruption events	Suvendu Rakshit	Aryabhata Research Institute of Observational Sciences (ARIES), Nainital	HFOSC	ToO
HCT-2024-C1-P43	Optical spectroscopic observations of changing-look AGNs	Narendranath Layek	Physical Research Laboratory (PRL), Ahmedabad	HFOSC	March 06,07 April 01,02
HCT-2024-C1-P44	Spectroscopy study of Milky Way Satellite Galaxies	Devika K Divakar	Bangalore University	HFOSC	Feb 09 April 10
HCT-2024-C1-P45	Searching quasars pairs for probing quasar environments	Paryag Sharma	Central University of Himachal Pradesh	HFOSC	April 11
HCT-2024-C1-P47	Optical spectroscopic/imaging observations of comets from different reservoirs.	Goldy Ahuja	Physical Research Laboratory (PRL), Ahmedabad	HFOSC HESP	Jan 31 Feb 16 March 30 April 29,30
HCT-2024-C1-P49	H <sub>α</sub> imaging of Seyfert type AGN	Payel Nandi	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	Jan 12,13,14 Feb 04
HCT-2024-C1-P52	ToO observations of comets and other transient events for outreach, education, and media publicity	Niruj Ramanujam	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	ToO
HCT-2024-C1-P53	High-resolution spectroscopic study of primary stars in white dwarf binary systems	Lupamudra Sarmah	Indian Institute of Astrophysics (IIA), Bengaluru	HESP	March 01,28 April 13
HCT-2024-C1-P54	Unveiling GRB Optical Afterglows and Probing Relativistic Candidates	Vishwajeet Swain	Indian Institute of Technology Bombay	HFOSC TRISPEC	ToO
HCT-2024-C1-P55	Nebular phase observations of Type Ia supernovae	Anirban Dutta	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	Jan 19 March 04 April 06
HCT-2024-C1-P56	The search for electromagnetic counterparts to Neutron Star Mergers : Kilonova	Vishwajeet Swain	Indian Institute of Technology Bombay	HFOSC TRISPEC	ToO
HCT-2024-C1-P57	High resolution spectroscopy of metal poor star candidates	Namita Uppal	Physical Research Laboratory (PRL), Ahmedabad	HESP	Jan 30
HCT-2024-C1-P58	Spectroscopic study of emission-line stars in transition phase from pre-main sequence to main sequence	Suman Bhattacharyya	Christ University, Bangalore	HFOSC	Feb 27,28
HCT-2024-C1-P59	Optical spectroscopic/imaging observations of Be/X-ray binaries	Birendra Chhotaray	Physical Research Laboratory (PRL), Ahmedabad	HFOSC HESP	Feb,03
HCT-2024-C1-P60	Optical and near infrared spectroscopy of symbiotic stars	Sonith LS	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC TRISPEC	Feb 01 March 21 April 26
HCT-2024-C1-P61	Confirmation of Magnetic Cataclysmic Variable candidates through spectroscopy	Srinivas M Rao	Aryabhata Research Institute of Observational Sciences (ARIES), Nainital	HFOSC	Jan 16,17
HCT-2024-C1-P62	Observations of novae and symbiotic stars in outburst	Sonith LS	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC HESP TRISPEC	ToO

HCT-2024-C1-P63	Exoplanet Transmission spectroscopy with 2m Himalayan Chandra Telescope	Bestha Manjunath	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC HESP	Jan 10 Feb 15 March 10,11,20
HCT-2024-C1-P64	Optical spectroscopy of MOHEG galaxies: Characterising the environmental effects on galaxy properties	Ramya Sethuram	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	April 07,08
HCT-2024-C1-P65	Late-time spectroscopic follow-up of recent supernovae	Monalisa Dubey	Aryabhata Research Institute of Observational Sciences (ARIES), Nainital	HFOSC	Feb 12