

HCT Accepted Proposals : Cycle 02-2022

Proposal	Title	PI	Affiliation	Instruments	Date
P01	Monitoring of night sky at IAO, Hanle	Devendra Sahu	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	May 8, June 26, July 17, August 22
P02	Transit spectroscopy of hot Jupiter host stars	Athira Unni	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	May 12, 21, June 24, August 31
P04	In the search of GRB optical afterglow candidates	Harsh Kumar	Indian Institute of Technology Mumbai	HFOSC TIRSPEC	ToO
P05	Early Solar System Remnants: Testing Solar System Formation	Karen Meech	Institute for Astronomy, University of Hawaii	HFOSC	June 19, August 1
P06	Spectroscopy of metal-poor stars.	Shejeelammal J	Indian Institute of Astrophysics (IIA), Bengaluru	HESP	June 28, July 8
P07	The origin of Lithium enrichment in red giants	Hema B P	Indian Institute of Astrophysics (IIA), Bengaluru	HESP	June 9, 10
P08	High-resolution spectroscopic studies of newly discovered Hydrogen-deficient carbon stars for investigating their origin	Gajendra Pandey	Indian Institute of Astrophysics (IIA), Bengaluru	HESP	June 7, 8
P09	Optical and near-infrared (NIR) observations of thermonuclear Supernovae (SNe) from the photospheric to nebular phase	Anirban Dutta	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC TIRSPEC	May 3, June 1, July 3, August 2
P10	Observations of imminent impactors and risky NEOs	Toni Santana-Ros	Institut de Ciències del Cosmos de la Universitat de Barcelona (ICCUB)	HFOSC	ToO
P11	Spectroscopy of carbon enhanced metal-poor stars: Optical and Near Infrared	Partha Pratim Goswami	Indian Institute of Astrophysics (IIA), Bengaluru	TIRSPEC HESP	June 17, 18, July 19, 26
P12	Time-series CCD photometry of Globular Clusters	Sunetra Giridhar	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	June 29, July 30

P14	Stellar Variability and Magnetic Activity of M-dwarfs: Optical and NIR Spectroscopic Studies	Diya Ram	S. N. Bose National Centre for Basic Science	HFOSC TIRSPEC	May 25, 26
P15	Photometric and spectroscopic study of contact binaries towards merging	Shanti Priya Devarapalli	Department of Astronomy, Osmania University, Hyderabad	HFOSC	June 6
P16	Photometric Variability in Brown Dwarfs and Very low Mass Stars to Probe their Atmospheric Properties	Rajib Kumbhakar	S. N. Bose National Centre for Basic Science	HFOSC TIRSPEC	May 26, 27
P17	Exploring the Nature of Ten Magnetic Cataclysmic Variable Candidates through Optical Spectroscopy	Nikita Rawat	Aryabhata Research Institute of Observational Sciences (ARIES), Nainital	HFOSC	May 7, August 23
P18	H2 Florescence in the IC1396A: An experiment on investigating dust grain alignment using polarimetry and NIR imaging	Archana Soam	Indian Institute of Astrophysics (IIA), Bengaluru	TIRSPEC	August 4, 5
P19	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	May 19, 20, July 5
P20	Transit photometric follow-up of hot-Jupiters around Solar type stars	Suman Saha	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC TIRSPEC	June 5, July 24, August 3
P21	HESP GOMPA (Galactic survey Of Metal Poor stArs) survey of bright metal poor stars	Pallavi Saraf	Indian Institute of Astrophysics (IIA), Bengaluru	HESP	June 30, July 31
P22	A Detailed Study of Dual Cores in Late-stage Galaxy Mergers	Abhishek Paswan	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	May 29, 30
P23	Spectroscopic and photometric studies of the pre-main-sequence stars in the two star-forming regions.	Siddhartha Biswas	S. N. Bose National Centre for Basic Science	HFOSC	July 18
P24	Optical - IR monitoring of Seyfert 1 galaxies	Amit Kumar Mandal	Seoul National University, Seoul, South Korea	HFOSC TIRSPEC	May 1, 7, 13, 19, 23, 28, June 2, 6, 10, 18, 22, 27, July 2, 8, 17, 22, 26, 31, August 5, 24, 30

P26	Survey of Hydrogen deficient Carbon stars in northern hemisphere using GAIA eDR3	Bharat Kumar Yerra	Indian Institute of Astrophysics, Bengaluru	HFOSC	July 21, 22
P27	Observations of Low Redshift Supernovae and other related transients	Devendra Sahu	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC TIRSPEC	ToO
P28	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 TIRSPEC	May 24, June 23, July 20, August 25
P30	Characterizing the photospheres of and dust towards JWST targets (galactic OB stars) using optical spectra with HFOSC/HCT	Mayank Narang	Tata Institute of Fundamental Research (TIFR), Mumbai	HFOSC	May 10, 11
P31	Follow-up observations of core-collapse supernovae.	Firoza Sutaria	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	June 4, July 27
P32	ToO observations of core-collapse supernovae (CC-SNe).	Firoza Sutaria	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC TIRSPEC HESP	ToO
P34	ToO observations of SNe imposters and violent transients.	Firoza Sutaria	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC TIRSPEC HESP	ToO
P35	Post-Outburst Phase of LDN1415 Nebula (IRAS 04376+5413)	Koshvendra Singh	Tata Institute of Fundamental Research (TIFR), Mumbai	HFOSC TIRSPEC	August 24, 27
P36	Late-time spectroscopic follow-up of four recent supernovae	Bhavya Ailawadhi	Aryabhata Research Institute of Observational Sciences (ARIES), Nainital	HFOSC	May 10, July 23
P37	Investigating the temporal evolution of mass accretion in T Tauri stars using HFOSC/HCT	Prasanta Kumar Nayak	Tata Institute of Fundamental Research (TIFR), Mumbai	HFOSC	June 20, 21
P38	Deep host galaxy template imaging of supernovae fields	Bhavya Ailawadhi	Aryabhata Research Institute of Observational Sciences (ARIES), Nainital	HFOSC	June 27

P39	Photometric (optical/NIR) and spectroscopic (optical/NIR) monitoring of FU Ors and EX Ors Eruptive Young Stellar Objects (MFES Program)	Arpan Ghosh	Aryabhata Research Institute of Observational Sciences (ARIES), Nainital	HFOSC TIRSPEC	July 4, August 24
P40	Optical studies of the late-decline and quiescent phases of novae.	Neeraj Rawat	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	June 2, 11, July 6, August 29
P42	Spectroscopic observation of star forming knots in AGN host galaxies	Payel Nandi	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	May 22, 23
P43	H _α imaging of Seyfert galaxies	Payel Nandi	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	July 1, 2
P44	Optical and Near Infrared study of Cataclysmic Variables	Gesesew Reta Habtie	S. N. Bose National Centre for Basic Science	HFOSC TIRSPEC HESP	July 25, August 23
P45	Spectroscopic follow-up study for stellar activity cycle candidates determined from photometric data	Samarth Ganesh Kashyap	Tata Institute of Fundamental Research (TIFR), Mumbai	HFOSC	June 20, 21
P46	Optical and Near-IR observations of Wolf Rayet Stars	Subhajit Kar	S. N. Bose National Centre for Basic Science	HFOSC TIRSPEC HESP	June 25, July 23
P47	Helium enhancement in cool stars of open clusters	Geeta Rangwal	Indian Institute of Astrophysics (IIA), Bengaluru	HESP	August 6, 28
P49	Phase-dependent Photometric and Spectroscopic Study of Asymptotic Giant Branch Stars	Supriyo Ghosh	Tata Institute of Fundamental Research (TIFR), Mumbai	HFOSC TIRSPEC	May 11, July 16
P50	Monitoring quasars with extreme spectral index variations	Sarath SS	Christ University, Bangalore	HFOSC	May 1, 2
P51	To study the AGN feedback in the nearby active galaxies using photometric and spectroscopic observations	Debbijoy Bhattacharya	Manipal Centre for Natural Sciences, Manipal Academy of Higher Education, Karnataka, India	HFOSC	May 28, July 28
P53	HESP survey of R-Process Enhanced metal-poor stars - the HESP R-Process Alliance	Avrajit	Aryabhata Research Institute of Observational	HESP	May 4, 5

			Sciences (ARIES), Nainital		
P54	Optical spectroscopic observations of bright Fermi detected blazar candidates of uncertain type.	Bhoomika Rajput	Christ University, Bangalore	HFOSC	May 6
P55	RR Lyrae stars in the dwarf satellites of the Milky Way using the HCT and Gaia: Ursa Minor dSph	Avrajit	Aryabhata Research Institute of Observational Sciences (ARIES), Nainital	HFOSC	May 31
P56	Himalayan Optical Spectroscopic Survey of Giant Planet Hosting Bright Stars (HOSS-GPS)	Bihan Banerjee	Tata Institute of Fundamental Research (TIFR), Mumbai	HFOSC	May 13, July 10,
P57	Observations of novae and symbiotic stars in outburst	Sonith LS	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC TIRSPEC HESP	ToO
P58	Tracking the spectral evolution of Tidal disruption events	Suwendu Rakshit	Aryabhata Research Institute of Observational Sciences (ARIES), Nainital	HFOSC	ToO
P59	Identifying Quasars behind the Galactic Plane at $ b \leq 5$ deg	Ravi Joshi	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	July 29, August 27
P61	Optical and near infrared spectroscopy of symbiotic stars	Sonith LS	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC TIRSPEC	May 9, June 11, July 9, August 30
P62	Differential Transit Photometry of Short-Period Exoplanets	Aritra Chakrabarty	Indian Institute of Astrophysics (IIA), Bengaluru	HFOSC	July 7