08:30 - 09:30	Registration and Breakfast						
Session I: Inauguration							
09:30 - 09:45	ARIES Director	Welcome adress					
09:45 - 10:00	YAM chair	Program details					
10:00 - 11:00	Prof. K.P. Singh	Recurrent Novae					
11:00 - 11:45		Tea and Poster Session					
Session II		Session Chair : Vibhore Negi					
11:45-12:00	AKHIL JAINI	Design and Development of a Digital Multimirror Device (DMD) based Multi Object Spectrograph for INSIST					
12:00-12:15	MD RASHID	Investigation of reliability of spectral index recovered by different methods from simulated low frequency uGMRT data					
12:15-12:30	AJAY KUMAR	Implementing periodic RFI mitigation for CHIME slow pulsar search backend					
12:30-12:45	NAVAL KISHOR BHADARI	Unravelling the presence of two expanding PDR shells around massive stars in S305 H region					
12:45-13:00	SUSMITA BARMAN	A Study of Photoionized Gas in the Two HII Regions of the N44 Superbubble complex in the LMC Using MUSE Observations					
13:00 - 14:00		Lunch					
Session III		Session Chair: Harsh Kumar					
14:00-14:15	JYOTI	Discovery of an diffuse star-forming galaxy using UVIT-Astrosat					
14:15-14:30		Mapping the distribution of neutral hydrogen around low redshift galaxies					
	SAYAK DUTTA	Mapping the distribution of neutral hydrogen around low redshift galaxies					
14:30-14:45	AAYUSHI VERMA	Mapping the distribution of neutral hydrogen around low redshift galaxies  Photometric Study of the Open Cluster Kronberger 55					
14:30-14:45 14:45-15:15							
		Photometric Study of the Open Cluster Kronberger 55					
14:45-15:15		Photometric Study of the Open Cluster Kronberger 55  e-Poster session					
14:45-15:15 15:15 - 16:00		Photometric Study of the Open Cluster Kronberger 55  e-Poster session  Tea and Poster Session					
14:45-15:15 15:15 - 16:00 Session IV	AAYUSHI VERMA	Photometric Study of the Open Cluster Kronberger 55  e-Poster session  Tea and Poster Session  Session Chair: Arpit Shrivastav					
14:45-15:15  15:15 - 16:00  Session IV  16:00-16:15	JITENDRA KUMAR	Photometric Study of the Open Cluster Kronberger 55  e-Poster session  Tea and Poster Session  Session Chair: Arpit Shrivastav  Strong gravitational lensing by regular electrically charged spacetimes					
14:45-15:15  15:15 - 16:00  Session IV  16:00-16:15  16:15-16:30	JITENDRA KUMAR MUKESH KUMAR SINGH	Photometric Study of the Open Cluster Kronberger 55  e-Poster session  Tea and Poster Session  Session Chair: Arpit Shrivastav  Strong gravitational lensing by regular electrically charged spacetimes  Associating fast radio bursts with compact binary mergers via gravitational lensing					

08:30 - 09:30	Breakfast			
Session I		Session Chair: Amar Aryan		
09:30-09:45	RAHUL GUPTA	Probing into emission mechanisms of GRBs using time-resolved spectra and polarizat studies		
09:45:10:00	ANKUR GHOSH	Low-frequency view of long duration GRB afterglows		
10:00-10:15	RISHABH SINGH TEJA	Panchromatic observations and modeling of two Type II supernovae in M61: Similar origins yet different fates.		
10:15-10:30	GEETHU PRABHAKAR	Wideband spectro-temporal analysis of MAXI J1820+070 during 2018 outbursts		
10:30-10:45	MR. BIRENDRA CHHOTARAY	Multi-wavelength study of Be/X-ray binary 1A 0535+262 during its 2020 giant outburst		
10:45 - 11:30	Tea and Poster Session			
Session	n II	Session Chair : Dimple		
11:30-11:45	SHAILENDRA SINGH	Gravitational wave signal from the phase transition in neutron star.		
11:45-12:00	SRASHTI GOYAL	Probing beyond-GR gravitational wave birefringence with LIGO-Virgo-Kagra data		
12:00-12:15	SHASHANK SHEKHAR PANDEY	Effect of inhomogeneities on the amplitude of Gravitational Waves		
12:15-12:30	SOURADEEP PAL	Swarm-intelligent search for gravitational waves from compact binary coalescences		
12:30-12:45	GAURAV WARATKAR	Sifting for electromagnetic counterparts to LIGO-Virgo-KAGRA Gravitational Wave triggers using AstroSat-CZTI		
13:00 - 14:00		Lunch		
Session III		Session Chair : Vivek Kumar Jha		
14:00-14:15	PARTHA PRATIM DEKA	An unbiased view of cold atomic gas associated with radio-loud AGNs up-to z~2 using MALS.		
14:15-14:30	VINIT DHIMAN	Multi-band Optical Variability of the TeV Blazar PG 1553+113 in 2019		
14:30-14:45	AVINANDA CHAKRABORTY  Characterizing the Effect of Quasar Feedback in X-ray and Sunyaev-Zel'dovich Signals from Galaxy Clusters			
14:45-15:15	e-Poster Session			
15:15 - 16:00		Tea and Poster Session		
Session IV		Session Chair: Gurpreet Singh		
16:00-16:15	ANJU PANTHI	UV Study of the open cluster NGC 2506 using ASTROSAT		
16:15-16:30	NITESH KUMAR	Generation of RR Lyrae light curves within parameter space of a grid of theoretical models using Artificial Neural Networks		
16:30-16:45	AKANKSHA KHANDELWAL	Detection of an inflated hot Jupiter around an evolved late F type star TOI-1789		
16:45-17:15	e-Poster Session			

08:30 - 09:30	Breakfast			
Session I	Session Chair: Raj Kishor Joshi			
09:30-10:30	PROF. PATRICK DASGUPTA	Black hole menagerie - from primordial to supermassive		
10:30-10:45	P.C LALREMRUATI	Role of stellar astrophysics in testing general relativity near the Galactic Centre b		
10:45-11:00	AMIT KUMAR	Environmental effects on dark matter distribution around satellite galaxies in massiv galaxy clusters		
11:00-11:15	SEMIN XAVIER	An exact model for evaporating black holes in cosmological space-time.		
11:15-11:30	YASHI TIWARI	Understanding large scale CMB anomalies with the generalized non-minimal derivative coupling during inflation		
11:30 - 12:00	Tea & Poster Session			
Session II		Session Chair: Raj Kishor Joshi		
12:00-12:15	SAMIK MITRA	Global structure of general relativistic magneto-hydrodynamics accretion flows aroun black holes		
12:15-12:30	SRIYASRITI ACHARYA	Impact of instability-driven shocks on the multi-wavelength nature of AGN Jets thr numerical simulations		
12:30-12:45	SUBHADIP BOURI	Bounds on ultralight bosons from the Event Horizon Telescope observation of Sgr		
12:45-13:00	SUSHMITA AGARWAL	State change due to birth of narrow jet in BL lac jets		
13:00 - 14:00	Lunch			
Session II	I	Session Chair: Nitin Vashishth		
14:00-14:15	UPASNA BAWEJA	Coronal Magnetic field estimation using Bayesian Inference		
		Coronal Magnetic field estimation using Bayesian Inference		
14:15-14:30	PAWAN KUMAR	Supercriticality of the Dynamo Limits the Memory of the Polar Field to One Cycle		
14:15-14:30 14:30-14:45	PAWAN KUMAR  BIKRAM KESHARI PRADHAN			
		f-mode oscillations in neutron stars : role of Neutron star composition and impact on gravitational waveform  Spin effects in eccentric higher modes from inspiralling compact binaries up to 2PN		
14:30-14:45	BIKRAM KESHARI PRADHAN	f-mode oscillations in neutron stars : role of Neutron star composition and impact on t		
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14:30-14:45 14:45-15:00 15:00-15:30 15:30 - 16:00	BIKRAM KESHARI PRADHAN	f-mode oscillations in neutron stars: role of Neutron star composition and impact on gravitational waveform  Spin effects in eccentric higher modes from inspiralling compact binaries up to 2PN order  e-Poster Session		
14:30-14:45 14:45-15:00 15:00-15:30 15:30 - 16:00	BIKRAM KESHARI PRADHAN  KAUSHIK PAUL	f-mode oscillations in neutron stars: role of Neutron star composition and impact on gravitational waveform  Spin effects in eccentric higher modes from inspiralling compact binaries up to 2PN order  e-Poster Session  Tea & Poster Session		
14:30-14:45 14:45-15:00 15:00-15:30 15:30 - 16:00 Session IV	BIKRAM KESHARI PRADHAN  KAUSHIK PAUL  Outreach/Other talks	f-mode oscillations in neutron stars: role of Neutron star composition and impact on gravitational waveform  Spin effects in eccentric higher modes from inspiralling compact binaries up to 2PN order  e-Poster Session  Tea & Poster Session  Session Chair: Vivek Kumar Jha		

08:30 - 09:30	Breakfast					
Session I	Session Chair : Vishal Uperdran					
09:30-10:30	Prof. MAHESWAR GOPINATHAN	Stellar cradles in solar neighbourhood				
10:30-10:45	SOUMYARANJAN KHUNTIA	Evolution of the internal thermodynamic state of Coronal Mass Ejections				
10:45-11:00	URMI DOSHI	Multi-wavelength analysis of Coronal Mass Ejections and Associated Phenomena				
11:00-11:15	CHARITA PANT	Geoeffectiveness of DH-CMEs for solar cycle 24				
11:15-11:30	PRATEEK MAYANK	SWASTi- Space Weather Adaptive SimilaTion framework				
10:45 - 11:30	Tea & Poster Session					
Session	n II	Session Chair : Dimple				
12:00-12:15	Chrispin Karthick	Outreach Activities at IIA				
12:15-12:30	Virendra Yadav	Outreach Activities at ARIES				
12:30-12:45	Atharva Pathak	Outreach Activities at IUCAA				
12:45-13:00	Vishal Upendran	An introduction to CosmicVarta				
13:00-14:00	Lunch					
Session I	Session III Session Chair : Amar Aryan					
14:00-14:15	GOURAV BANERJEE	Understanding the disc evolution of classical Be stars using multi-epoch optical spectroscopy				
14:15-14:30	GURPREET SINGH	An X-Ray Study of Coronally Connected Active Eclipsing Binary, XY UMa				
14:30-14:45	HIMANSHU TYAGI	Evolution of Silicate Dust during Star and Planet formation				
14:45-15:00	ANIRBAN DUTTA	Broadband X-ray study of two unique magnetic cataclysmic variables				
15:00-15:30	Tea & Poster Session					
Session IV : Discussion						
15:30-16:00	Concluding Remarks & Future Prospects					
16:00-17:00	Discussion with participants Next YAM, feedback, comments from ASI office bearers					
Sunday	Day-5 November 13, 2022					
08:30 - 09:30	Breakfast					
	Visit To Devasthal					