

YAM 2018 Schedule

Venue – Nano Sims Hall, PRL Navrangpura Campus

Day 1 : 24 th September 2018	
9:00 – 9:30	Registration
9:30 – 9:45	Welcome Address
9:45 – 10:45	<i>Inaugural Talk : Director, PRL</i>
10:45 – 10.50	Vote of thanks
10:50 – 11:10	Group photo followed by Tea Break
	<i>Chairperson : Aarthy E</i>
11:10 – 12:10	INVITED TALK – Dr Banibrata Mukhopadhyay : <i>Magnetically Powered Compact Sources:Resolving issues with black holes and white dwarfs</i>
12:10 – 12:45	One minute presentation in one slide of all posters
12:45 – 14:00	Lunch Break
	<i>Chairperson : Prahlad Epili</i>
14:00 – 15:00	Poster Session
15:00 – 15:20	Neal Titus Thomas : <i>Comprehensive spectral and temporal variability studies of Cygnus X-2 with RXTE data</i>
15:20 – 15:40	Sneha Prakash Mudambi : <i>Energy Dependent Rapid Temporal Behaviour of Cygnus X-1</i>
15:40 – 16:00	Swadesh Chand : <i>A spectral and Temporal study of the High Massive Black Hole Binary LMC X-1</i>
16:00 – 16:20	Sudip Chakraborty : <i>Alignment of the jet with Black Hole spin: a hint from the TDE Swift J1644+57</i>
16:20 – 16:50	Tea Break
	<i>Chairperson : Shivangi Gupta</i>
16:50 – 17:10	Sanhita : <i>An intriguing partial eclipse in the high mass X-ray binary pulsar IGR J16393-4643</i>
17:10 – 17:30	Nilam Navale : <i>Long Term Evolution of the Variability Classes in the Black Hole Binary GRS 1915+105</i>
17:30 – 17:50	Sudeb Ranjan Datta : <i>Nuclear astrophysics in binary accretion disk</i>
17:50 – 18:10	Divita Saraogi : <i>X-ray counterparts to Gravitational waves</i>

Day 2 : 25th September 2018

	<i>Chairperson : Rahul Kushwaha</i>
9:30 – 10:30	INVITED TALK – Dr Sandeep Sahijpal : <i>The Galactic chemical evolution and the birth of the solar system</i>
10:30 – 10:50	Rishitosh K. Sinha : <i>Geomorphologic evidence of debris-flow deposits in Martian gullies: Implications for involvement of liquid water in their formation</i>
10:50 – 11:10	Ayesha Maryam Mazarbhuiya : <i>Imaging polarimetry of comet C/2015 V2 (Johnson) before perihelion</i>
11:10 – 11:40	Tea Break
	<i>Chairperson : Surendra Vikram Singh</i>
11:40 – 12:00	Mayank Narang : <i>Are Exoplanet properties determined by the host star?</i>
12:00 – 12:20	Athira Unni : <i>Exoplanet host stars using Hanle Echelle Spectrograph</i>
12:20 – 12:40	Susmita Das : <i>A study of light curve parameters of observed RR Lyrae stars and its comparison with theoretical models over multiple wavelengths</i>
12:40 – 14:00	Lunch Break
	<i>Chairperson : Kumar Venkatramani</i>
14:00 – 15:30	Poster Session
15:30 – 15:50	Dhanya J S : <i>Investigation of a system of H II regions associated with N36 bubble at the galactic bar - Norma arm interface</i>
15:50 – 16:10	Shilpa Sarkar : <i>Two-temperature flows around black holes</i>
16:10 – 16:40	Tea Break
16:40 – 17:00	Ankit Singh : <i>Ultraviolet and optical view of galaxies in the Coma Supercluster</i>
17:00 – 17:20	Neeraj Kumari : <i>Spectral Investigation of the narrow line Seyfert I galaxy Mrk 766</i>

Day 3 : 26th September 2018

	<i>Chairperson : Sandeep Rout</i>
9:30 – 10:30	INVITED TALK – Dr Dipankar Banerjee : A perspective of multi-wavelength study of the Sun using Indian facilities
10:30 – 10:50	Reetika Joshi : <i>Solar Jets – Small Scale Mass Eruptions from the Sun</i>
10:50 – 11:10	Sushree Sangeeta Nayak : <i>Investigation of the magnetohydrodynamic evolution of a solar coronal jet</i>
11:10 – 11:40	Tea Break
	<i>Chairperson : Priyank Parashari</i>
11:40 – 12:00	Debesh Bhattacharjee : <i>ICME Profile: Primary clues for their solid body like nature</i>
12:00 – 12:20	Ritesh Patel : <i>Automated Detection of Coronal Mass Ejections in SWAP images</i>
12:20 – 12:40	Bibhuti Kumar Jha : <i>Magnetic field dependence of sunspot tilt-angle: A study from SOHO/MDI data set</i>
12:40 – 14:00	Lunch Break
	<i>Chairperson : Sushree Sangeeta Nayak</i>
14:00 – 15:30	Poster Session
15:30 – 15:50	Prithvi Raj Singh : <i>Influence of Hysteresis loop between the Solar Activity and Cosmic Rays during Solar Cycles 22-24</i>
15:50 – 16:10	Gaurav Singh : <i>A study on the dynamical evolution of Galactic Globular Clusters using Blue Straggler Stars</i>
16:10 – 16:40	Tea Break
16:40 – 17:00	Dusmanta Patra : <i>Galactic plane survey at 325 MHz using Giant Meterwave Radio Telescope</i>
17:00 – 17:20	Akshaya Subbanna M S : <i>Diffuse Ultraviolet Radiation at the Galactic Poles</i>

Day 4 : 27th September 2018

	<i>Chairperson: Richa Arya</i>
9:30 – 10:30	INVITED TALK – Dr Raghavan Rangarajan : <i>Inflation in the Early Universe</i>
10:30 – 10:50	Lankeshwar Dey : <i>Exploring the ultra-relativistic nature of the binary black hole system in the blazar OJ 287</i>
10:50 – 11:10	Surajit Kalita : <i>Modified gravity to unify super and sub Chandrasekhar white dwarfs</i>
11:10 – 11:40	Tea Break
	<i>Chairperson: Arvind Kumar Mishra</i>
11:40 – 12:00	Sandeep Rana : <i>Quantifying the statistical Nature of Galactic and Extragalactic foregrounds at low frequencies</i>
12:00 – 12:20	Janakee Raste : <i>Analytically Modelling 21-cm Signal from Early Phase of Epoch of Reionization</i>
12:20 – 12:40	Madhurima Choudhury : <i>Signal reconstruction in redshifted 21cm Global Signal Experiments using Artificial Neural Networks</i>
12:40 – 13:00	Jerin Mohan N D : <i>Dissipative fluid and recent acceleration - Causal approach</i>
13:00 – 14:15	Lunch Break
	<i>Chairperson: Ashish Narang</i>
14:15 – 15:30	Poster Session
15:30 – 15:50	Priyank Parashari : <i>Bounds on Neutrino Mass in Viscous Cosmology</i>
15:50 – 16:10	Richa Arya : <i>Warm Inflation Model Parameter Estimation from Cosmic Microwave Background Radiation</i>
16:10 – 16:40	Tea Break
16:40 – 17:00	Arvind Kumar Mishra : <i>Constraining dissipative effect in cosmic fluid using low redshift observations</i>
17:00 – 17:20	Manvendra Pratap Rajvanshi : <i>Nonlinear Spherical Perturbations in Quintessence Dark Energy</i>
17:20 – 17:40	Paramita Dasgupta : <i>Reflection of Ultra High Energy Cosmic Ray Induced Radio Signals from a Spherical Surface: Application to Antarctica Based ANITA Observatory</i>

Day 5 : 28th September 2018

	<i>Chairperson : Archita Rai</i>
9:30 – 10:30	INVITED TALK – Dr Mudit K. Srivastava : <i>Aspects of Optical Instrumentation in Astronomy</i>
10:30 – 10:50	C.Shanti Prabha : <i>Solar AO at Kodaikanal Tunnel Telescope</i>
10:50 – 11:10	Siddharth Maharana : <i>WALOP-Wide Area Linear Optical Polarimeter</i>
11:10 – 11:40	Tea Break
11:40 – 12:00	Panini Singam : <i>Thermal and temporal stability of W/B_4 C multilayer mirrors for space-based astronomical applications</i>
12:00 – 12:20	Tapan Kumar Sasmal : <i>Detection of Tailed Radio Galaxies from FIRST survey</i>
12:20 – 12:40	Nidhi : <i>Collapsing Supra-Massive Neutron Stars, Fast Radio Bursts and FRB 121102</i>
12:40 – 13:00	Closing Ceremony
13:00 – 14:15	Lunch Break

LIST OF POSTERS

P Srinath Reddy : *Hybrid Optical Correlator for Gravitational wave signal detection*

Akash Kumar Patwa : *On detecting 21cm signal from EoR using drift scan data from MWA*

Ashish Kumar Meena : *Higher Order Caustics in Gravitational Lensing*

Krishna P. B. : *Equivalency of Holographic equipartition and Entropy maximization; in Gauss Bonnet and Lovelock gravity theories*

Majidul Rahaman : *Study of Galaxy Cluster Mergers - Lessons from High Fidelity X-ray Temperature Maps*

Juhi Tiwari : *Exploring the effect of large-scale environment on galaxy evolution across the Coma Supercluster*

Abhisek Mohapatra : *The implication of ultraviolet background on physical properties of high redshift $\{CIII\}$ absorbers*

Sruthi. K : *X-ray point source population-morphology connection in field early type galaxies*

Jayanand Maurya : *Photometric Study of the Open Cluster NGC 381*

Sadhana Singh : *Polarization towards open star cluster Alessi1*

Harsh Kumar : *Optical and Infra-red counterpart to Gravitational Waves : Kilonova*

Blessy Elizabeth Baby : *Probing the accretion disk geometry of Black Hole Binaries through Iron line-QPO correlation*

Madhu Kashyap Jagadeesh : *Survey program to identify emission-line stars in open clusters older than 100 Myr*

Vivek Kumar Singh : *Study of rotation of Solar Corona by X-ray image observed by YOKOH*

Asheesh Bhargawa : *An empirical Analysis of solar variability and climate*

Henal V Bhatt : *Compositional Mapping of Dionysius Crater of the Moon using Chandrayaan-1 Hyperspectra data*

Maya Prabhakar : *Fabry-Perot interferometric studies of the solar coronal line profiles*

A V Satya Kumar : *Gravity anomalies and crustal structure of the Lunar far side highlands*

Garima Sodha : *Martian Aeolian Landforms with Migration of Barchan Dunes Using MOM MCC and MRO HiRISE Data*

Soumyaranjan Dash : *Magnetofriction approach to model the solar corona*

Suvadip Sinha : *Automatic detection of Solar filament and study its disappearance time*

Harish : *Craters in the vicinity of Valles Marineris, Mars: Implications for canyon history*