

Young Astronomers' Meet(YAM) 2009

14-16 March, 2009

IIT Kharagpur - 721 302, India

Presentation Schedule

Talks (15+5 mins)

Posters (3 mins)

14 March, 2009 (Saturday)
Venue : V2 Auditorium, Vikramshila

8:00-9:00 Registration + Breakfast

9:00-9:30 : Inauguration

9:30-11:00 : Session I Cosmology

Chairperson: V. Vinu

Satej Khedekar: Using Clusters as Rulers to constrain Cosmology.

Tapomoy Guha Sarkar: Cosmology Using Redshifted Neutral Hydrogen (HI) 21-cm Observations

Chandrachani Ningombam: Cosmological Scaling Solutions with Tachyon: Modified Gravity model.

Anya Chaudhuri: SZ /X-Ray observations of clusters and the interplay between cluster physics and cosmology.

Tea (11:00-11:30)

11:30-12:20 :Session II Cosmology

Chairperson: Promoda Kumar Shamal

Prakash Sarkar: The Local Dimension: a method to quantify the Cosmic Web.

Suman Majumdar: Simulating Matched Filter Search for Ionized Bubbles in EoR.

12:30-13:00 :Session III Posters

Chairperson: Prasun Dutta

Alka Mishra: HI Emission From Galaxy NGC2805.

Shweta Srivastava: Studies of Few Wolf-Rayet Galaxies in Radio-Continuum.

Noble P Abraham: Cosmological Model Comparison using Bayesian Approach.

Ravindra Pawase: Optical flux monitoring of blazars.

Md Zulfikar Ali: Optical Variability of Blazar 3C279.

Mukul Mhaskey: Studying high redshift galaxies using population synthesis model Starburst.

Jayashree Roy: Study of Quasi-Periodic Oscillations (QPOs) in the Transient X-ray Binary XTE J1817-330.

Pankaj Tomar: Investigation of the Origin of Particle acceleration in Solar flare events.

Ankush Bhaskar: Time delay between Solar X-ray flux and Proton flux during Proton Events of 2005-2006.

Lunch (13:00-14:00)

14:00-15:10 :Session IV CMBR + Dark Matter & Dark Energy

Chairperson: Satej Khedekar

Pramoda Kumar Samal: CMB Polarization and Temperature Power Spectra Estimation using Linear Combination of WMAP 5-year Maps.

Soumini Chaudhury: Dark Matter in our Galaxy.

Nilok Bose: A k-essence Model Of Inflation, Dark Matter and Dark Energy.

Tea (15:10-15:30)

15:30-17:00 :Session V Radio Astronomy and Interstellar Medium

Chairperson: Ruta Kale

Prasun Dutta: A Study of ISM of Dwarf Galaxies Using HI Power Spectrum Analysis

Sambit Roychowdhury: The Intrinsic Axial Ratio of HI Disks in Dwarf Galaxies.

Abhik Ghosh: 21 cm signal and foreground contribution : GMRT observation at 610 MHz

Nirupam Roy: ISM turbulence and temperature from HI observation

15 March, 2009 (Sunday)
Venue : V2 Auditorium, Vikramshila

8:00-8:30 Breakfast

8:30-9:30 YAM Discussion: Chairperson: Dr. Ramaprakash

9:30-11:00 :Session VI Stellar Astronomy

Chairperson: Vivek Gupta

Rumpa Choudhury: Kinematics of the Young Stellar Objects associated with the Cometary Globules in the Gum Nebula.

Chhavi Pandey: Study of pulsating variable stars in eclipsing binary system.

Bharat Kumar Yerra: Li-rich K Giants: Survey and Detailed Analysis.

Ashish Raj: Infra-red studies of classical novae.

Tea (11:00-11:30)

11:30-13:00 :Session VII Solar Astronomy and Planetary Physics

Chairperson: Chaavi Pant Pandey

Girjesh R. Gupta: On the statistical detection of propagating waves in polar coronal holes.

Navin Chandra Joshi: Study of distribution and asymmetry of solar filaments during solar cycle 23.

Neeraj Singh Bankoti: Correlative study of Solar Activity with all India rainfall during 1963-2006.

Vivek Gupta: Solar phenomena, interplanetary structures and solar wind behaviour during major geomagnetic perturbations.

Lunch (13:00-14:00)

14:00-15:30 :Session VIII General Relativity + High Energy Physics

Chairperson: Soumini Choudhury

Sanjit Das: Violation of Energy Condition for Traversable Warmhole in 2 + 1 Dimensions.

Sudipta Das: Generalized Particle Dynamics in a Schwarzschild Background.

Suman Ghosh: Geodesics and geodesic deviation in warped spacetimes with a time dependent extra dimension.

Amit Shukla: Implication of very rapid variability of VHE gamma ray flare from blazar Mrk421 on several blazars jet models

Tea (15:30-16:00)

16:00-16:50 :Session IX Compact Objects and Accretion Phenomena

Chairperson: Rumpa Choudhury

Vishal Gajjar: Nulling phenomena.

Ipsita Chakrobarty: Aspects of relativistic axi-symmetric accretion in Kerr metric

16 March, 2009 (Monday)
Venue : Gargi Auditorium, Vikramshila

8:00-8:30 Breakfast

8:30-10:00 :Session X Galactic and Extragalactic Astronomy

Chairperson: Sambit Roychowdhury

Ruta Kale: Low frequency imaging of radio halo and relic in A2256.

Sayan Chakraborti: Supernovae and sites of recent star formation.

Vinu V: Evolution of Cluster Galaxies over 7 GYr.

Rupak Roy: SN2008D: discovery and its consequences.

Tea (10:00-10:30)

10:30-12:00 :Session XI Galactic and Extragalactic Astronomy + Instrumentation

Chairperson: Tapomoy Guha Sarkar

Shivinder Singh: Reverberation mapping of the AGN H 0507+164 and SDSS J0824+299.

Ananta Charan Pradhan: Extinction Mapping Through Broad Band Photometry.

Chakali Eswaraiah: Broad Band Optical Polarimetric Study of NGC1893.

Amit Vishwas: Operations and Automation of an All Sky Camera for a continuous record of the Sky.

12:00-12:30 : Concluding Session

Chairperson: Suman Ghosh

Lunch (12:30-13:00)