

NEIGHBOURHOOD ASTRONOMY MEETING

(BU, JNP, ICTS, IIA, IISc, ISRO, RRI)

Friday, March 27, 2015

Venue: Raman Research Institute, Bangalore

PROGRAMME

Session 1 (9:00 – 11:00 am) - Chair : K. B. Ramesh

- 9:00 – 9:20 am - *Kiran Lakhchaura* : General shapes of radial profiles of entropy in clusters of galaxies: Biases introduced by data analysis methods
- 9:20 – 9:40 am - *Gayathri Raman* : X-ray and optical orbital modulation of EXO 0748-676 : A covariability study using XMM-Newton
- 9:40 – 10:00 am - *B. Ravindra* : Complex Evolution of Magnetic Helicity and Energy in Flaring Active Region
- 10:00 – 10:20 am - *Ravi Subrahmanyam*: Detecting signatures of cosmological recombination and reionization in the cosmic radio background
- 10:20 – 10:40 am - *Preeti Kharb* : Parsec-scale Nuclear Radio Emission in Double Emission-line Peaked Seyferts

10:40 – 11:00 am - Coffee break

Session 2 (11:00 am – 12:40 pm) – Chair : Biman Nath

- 11:00 – 11:20 am – V. Doddamani : Spectroscopic study of Active galaxies
- 11:20 – 11:40 am - *Kartick Ch. Sarkar*: How do supernovae driven outflows wade through the gas in the galactic halo?
- 11:40 am – 12:00 Noon – *Subinoy Das* Constraints on alternative dark energy from WMAP and SDSS data
- 12:00 Noon – 12:20 - *Naveen Yadav*: Circumstellar interaction in young type-IIP supernova
- 12:20 pm – 12:40pm- *Ch. Kant Mishra*: Modeling the coalescence of black-hole binaries

12:40am – 3:00 pm - Lunch break

Session 3 (3:00 – 4:30 pm) – Chair : Arnab Rai Choudhuri

- 3:00 – 3:20 pm - *B. S. Shylaja* : An overview of the activities of the Jawaharlal Nehru Planetarium, Bangalore
- 3:20 – 3:40 pm - *Ravinder Banyal* : Development of iodine cell for precision spectroscopy
- 3:40 – 4:00 pm - *Naveen Jingade* : Excess Mass at the Center of Dwarf Spheroidal Galaxies
- 4:00 – 4:20 pm - *A. A. Deshpande* : OH Maser Sources in W49N: Probing Differential Anisotropic Scattering with Zeeman Pairs
- 4:20-4:40 pm - *Bhavesh Jaiswal* : Planetary Atmospheric studies using polarization

4:40 – 5:10 pm - Coffee Break

Session 4 (5:20 – 7:00 pm) – Chair: K. Sankarasubramanian

- 5:10 – 5:30 pm - Ramesh B. : Telescope surface measurement using sub-aperture interferometry
- 5:30 – 5:50 pm - *Radhakrishn V.* : Soft X-ray polarimetry
- 5:50 – 6:10 pm - *Gopal Hazra* : Multi-cell Meridional Circulation and Flux Transport Solar Dynamo
- 6:10 – 6:30 pm - Samyaday Choudhury : Inconspicuous star clusters in the Large Magellanic Cloud
- 6:30 – 6:50 pm - R. T. Gangadhara : Angular velocity of visible point of pulsar radio emission

7:00 – 7:30 pm : Cultural program

7.30 pm onwards : Dinner