

# NEIGHBOURHOOD ASTRONOMY MEETING

(IIA, IISc, ISRO, RRI)

**Saturday, 10 October 2015**

**Venue: Auditorium, Indian Institute of Science, Bangalore**

## PROGRAMME

### Session 1 (09:30 – 11:00; Chair: K.S. Dwarkanath)

09:30–09:40	Chanda J. Jog	Welcome Address
09:40–10:00	Priyanka Singh	A cross-correlation study of circum-galactic baryons
10:00–10:20	Firoza Sutaria	Core collapse supernovae from radio to X-ray
10:20–10:40	Arunva Mukherje	Using EM & GW observations to constrain neutron star equations of state
10:40–11:00	Mayuri Rao	On the detection of spectral ripples from the recombination epoch

## REFRESHMENT BREAK

11:00 – 11:30

### Session 2 (11:30 – 12:30; Chair: Prateek Sharma)

11:30 – 11:50	Soumavo Ghosh	Effect of Dark Matter halo on spiral structures of different scales
11:50 – 12:10	Sujit Nath	Origin of instability in astrophysical accretion disks: faster growth rate than magnetorotational instability
12:10 – 12:30	Jayant Murthy	Investigations into the Ultraviolet Sky

## LUNCH BREAK + POSTER SESSION

12:30 – 14:30

### **Session 3 (14:30 –16:30; Chair: S. Seetha)**

14:30–14:50	Biswajit Paul	<i>X-ray reprocessing studies and prospects with Astrosat</i>
14:50–15:10	Vaidehi S. Paliya	<i>Awakening of the high redshift blazar CGRaBS J0809+5341</i>
15:10–15:30	Drisya K.	<i>Understanding AGB nucleosynthesis through the chemical analysis of CH stars</i>
15:30 – 15:50	Brajesh Kumar	<i>Polarimetric study of type IIP supernovae</i>

### **REFRESHMENT BREAK**

**15:50 – 16:30**

### **Session 4 (16:30 –18:00; Chair: R. Kariyappa)**

16:30–16:50	S. Sridhar	<i>The disruption of multi-planet systems through resonance with a binary orbit</i>
16:50–17:10	Nirmal K. Iyer	<i>Cyclotron line in the Neutron star binary system – 4U0115+634</i>
17:10–17:30	Dipankar Banerjee	<i>Waves in sunspots and their diagnostics</i>
17:30–17:50	S. G. Bhargavi	<i>Synthetic photometry and preparatory work for UVIT on-board Astrosat</i>
17:50–18:10	K.S. Dwarkanath	<i>Closing Address</i>

### **CULTURAL PROGRAMME**

**18:30 –19:30**

**BANQUET**

**19.30 –21:00**