NEIGHBOURHOOD ASTRONOMY MEETING

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

September 8 – 9, 2014

Venue: Indian Institute of Astrophysics, Bangalore

PROGRAMME

Day 1

Session 1 (9:00 – 10:30 am) - Chair : Jayant Murthy

9:00 – 9:15 am	:	Welcome Keynote Address: Director, IIA Keynote Address: Director, RRI
9:15 – 9:35 am - *Jessy Jose*	:	The massive star forming region W3 and its neighbourhood - A multi-wavelength perspective
9:40 – 10:00 am - *Naveen Jingade*	:	Adiabatic Growth of Black Hole in Elliptical Galaxies following Sersic Profile
10:05 – 10:25 am - *Arpita Roy*	:	Superbubble:galactic outflows and escape of ionizing photons

10:30 – 11:00 am - Coffee break

Session 2 (11:00 am – 12:40 pm) – Chair : K. E. Rangarajan

11:00 – 11:20 am - *S. P. Rajaguru*	:	Helioseismology of large-scale flows
11:30 – 11:50 am - *Nazma Islam*	:	Effects of variability of X-ray binaries on the luminosity functions of the Milky Way
12:00 pm – 12:20 pm – *B. P. Hema*	:	Discovery of relatively hydrogen-poor giants in the Galactic globular cluster Omega Centauri

12:30am – 2:00 pm - Lunch break

Session 3 (2:00 – 3:30 pm) – Chair : Arnab Rai Choudhuri

2:00 – 2:20 pm - *Srikar Paavan Tadepalli*   :   Space weather

2:30 – 2:50 pm - *Lijo Thomas George*   :   Radio Observations of galaxy cluster Abell 3376 with the Murchison Widefield Array

3:00 – 3:20 pm -   BU

3:30 – 4:00 pm - Coffee Break

Session 4 (4:00 – 5:30 pm) – Chair: Seetha S.

4:00 – 4:20 pm - *H. N. Smitha*   : Quantum interference phenomenon in the Second Solar Spectrum

4:30 – 4:50 pm - *Jagdish C. Joshi*   : How many of the observed neutrino events at ice cube can be described by Cosmic Ray interactions in the Milky Way

5:00 – 5:20 pm - *P. Subramania Athiray*   : Study of Lunar surface chemistry

5:20 – 5:30 pm - Poster introductions

6:00 – 7:30 pm   : Cultural/fun program

7.30 pm onwards   : Dinner

Day 2

Session 1 (9:00 – 10:30 am) – Chair: K N Nagendra

9:00 – 9:20 am – *P. V. Srinivasa*   : Prospects for an improved limit for the electric dipole
                                                        moment of the electron and its implications for the
                                                        matter-antimatter asymmetry in the Universe

9:30 – 9:50 am – *Koshy George*   : Revealing the nature of star forming blue early-type
                                                        galaxies

10:00 – 10:20 am – *Indrani Banerjee*   : Proposing a semi-empirical formula to predict the spins of
                                                         black holes

10:30 – 11:00 am - Coffee break

Session 2 (11:00 am – 12:30 pm) – Chair: Biman Nath

11:00 – 11:20 am - *Prateek Sharma*   : Modeling AGN jets in cool-core clusters

11:30 – 11:50 am – *Upasana Das*   : Explaining super-Chandrasekhar type Ia supernovae based
                                                       on significantly super-Chandrasekhar limiting mass white
                                                       dwarfs

12:00 pm – 12:20 pm - *Sourabh Paul*   : Study of Redshifted HI from Epoch of
                                                       Reionization with Drift scan

12:30 – 2:00 pm - Lunch break

Session 3 (2:00 – 3:30 pm) - Chair : Tarun Deep Saini

2:00 – 2:20 pm - *C. S. Stalin*   : A multi-wavelength view of narrow-line Seyfert 1
                                                       galaxies

2:30 – 2:50 pm – M. Sampoorna   : How to diagnose weak magnetic fields on the Sun?

3:00 – 3:20 pm - *Archisman Ghosh*   : Estimation of cosmological parameters
                                                      using gravitational waves

3:30 – 4:00 pm - Coffee Break

Session 4   (4:00 5:00 pm) - Chair: K S Dwarakanath

Panel discussion followed by closing remarks.