

Multi-wavelength Astronomy: Three years of AstroSat observations

Indian Institute of Astrophysics, Bangalore

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AstroSat designed for multi-wavelength astronomy was launched by the Indian Space Research Organization in the year 2015. AstroSat with its co-aligned telescopes has the unique capability to perform observations simultaneously from near Ultra-violet to hard X-rays and is currently in the fourth year of its operation. The Ultra-Violet Imaging Telescope (UVIT), one of the payloads on ASTROSAT is a remarkable instrument that provides images with angular resolution better than 1.5 arcsec over its wide field of view of about 28 arcminute diameter in near-UV (NUV; 2000 – 3000 Å) and far-UV (FUV; 1300 – 1800 Å). UVIT along with the other co-aligned instruments such as the soft X-ray telescope (SXT; 0.3 – 7 keV), the Large Area Proportional Counters (LAXPC; 3 – 80 keV) and the Cadmium Zinc Telluride Imager (CZTI; 25 - 100 keV) are ideally suited for understanding the details of physical mechanisms in time variable sources.

This meeting aims to bring together researchers working on diverse topics that utilize data from AstroSat. AstroSat has observed a wide variety of targets such as normal galaxies, active galaxies, galaxy clusters, star clusters, various type of binary stars, planetary nebulae, compact objects etc. The meeting will include oral as well as poster presentations that will cover a wide spectrum of topics using AstroSat data. Also, there will be one session on the reduction of data from UVIT using the level-2 pipeline and associated analysis. Free boarding and lodging will be provided to the participants. Participants are encouraged to make their own travel arrangements, however, limited financial support might be provided to students from Indian Universities.

This meeting at the Indian Institute of Astrophysics (IIA) Bangalore is organized by the UVIT Payload Operation Center (UVIT-POC) at IIA. We look forward to seeing you at IIA for a good scientific program and associated discussion of the results from AstroSat.

For registration please visit: https://www.iiap.res.in/meet/Multi_Wavelength_Astronomy/
For any queries please write to uvit2019@gmail.com