HAP Workshop | Monitoring the non-thermal Universe



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Blazar studies with ASTROSAT

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Blazars are a subclass of Active Galactic Nuclei (AGN) characterized by non-thermal emission extending from radio to high energies. The broadband radiation originates within a relativistic jet that is oriented very close to the line of sight. Radiative processes of Blazars can be studied using ASTROSAT.

ASTROSAT is India's first multi-wavelength astronomy satellite in a 650-km, near-equatorial orbit. ASTROSAT has five onboard payloads for simultaneous multi-band observations at X-ray and UV energies. These instruments cover an energy range from UV to hard X-rays. Detecting accretion disk emission during the low state from the blazar is another goal. I will present some of the possible observational prospects for blazar studies in my talk.

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