

Indo - Japan Workshop on Extreme Plasma Phenomena in Universe

11th - 12th March 2025, ARIES Nainital

The first Indo-Japan workshop on Extreme Plasma Phenomena in the Universe at ARIES aims to build a platform to discuss multi-messenger astrophysics. The talks will cover the multi-messenger properties of transient objects such as supernovae and their remnants, cataclysmic variables, gamma-ray bursts, pulsars, pulsar wind nebulae, and outflow properties of cosmic rays. The energetics of charged particles and their relativistic outflows play a crucial role in producing broadband emission in these objects and also help us to explore the Galactic origin of cosmic rays. Relativistic outflows can create cosmic ray distributions on galactic scales and also lead to feedback mechanisms in galaxies.

Participation is by invitation only.

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