

9th Shivalik HEPCATS (High Energy Physics, Cosmology, Astronomy: Theory and Simulations)



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Spectro-temporal study of Jet Emission: Insight into Relativistic Particle Spectra

Saturday 27 January 2024 10:30 (20 minutes)

Astrophysical jets associated with compact objects are sites of most extreme physical conditions with emission detected up to TeV gamma-rays, implying ultra-relativistic particles. Despite significant progress and general understanding, the origin and extent of particle spectrum is yet to be fully understood. In this talk, we will present results from study of simultaneous broadband modeling of optical to X-ray emission and its implications on relativistic particle spectra as well as the underlying Physical processes.

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