

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



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Fermi-LAT gamma-ray spectral and temporal state during VHE episodes of FSRQs

Saturday 27 January 2024 10:50 (20 minutes)

In this talk, I'll present my on-going work on the nine FSRQs which were detected at very high energies (VHE, $E > 100$ GeV). Using the Fermi-LAT data, we attempt to explore the source behavior during VHE emission by comparing with spectral, temporal, and statistical behavior during non-VHE time. We have also compared the outcomes from all the sources and seek out the patterns and distinctions in the observable properties. I will also give detailed review on the emission processes of the FSRQs.

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