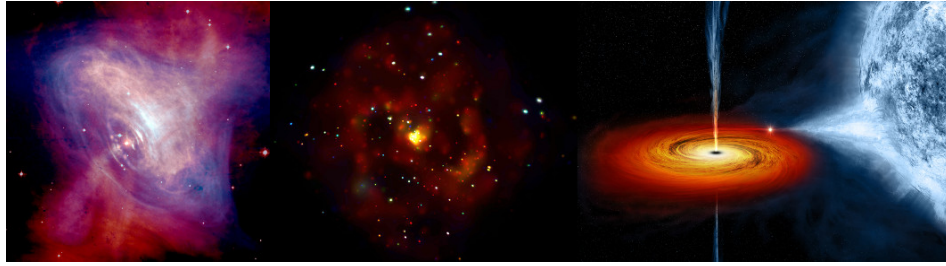


National conference on REcent Trends in the study of Compact Objects
(RETCO-V): Theory and Observation



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Gamma-ray Emission from Cosmic Beacons

Tuesday, April 4, 2023 9:00 AM (25 minutes)

High-energy (> 100 MeV) emission is one of the defining characteristics of active galactic nuclei (AGN) hosting closely aligned relativistic jets, i.e., blazars. One of the key research problems in jet physics is constraining the evolution of these enigmatic sources. This talk will briefly discuss some of the recent discoveries of detecting γ -ray emission from a variety of jetted AGN, e.g., nearby low-luminosity Fanaroff-Riley type 0 (FR0) radio sources to the most luminous blazars at the cosmic dawn ($z > 4$). The talk will also summarize how the efficient utilization of the latest ongoing and upcoming wide-field multi-wavelength surveys will be crucial to understand the origin of relativistic jets in these cosmic beacons.

Presentation Type

Oral

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Session Classification: AGNs & Blazars

Track Classification: AGNs and Blazars