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Study of X-ray selected blazars with IceCube data

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Blazars are among the most powerful emitters in the Universe over a broad range of wavelengths. The recent association of TXS 0506+056 with an astrophysical neutrino and observation of a neutrino excess from its direction by IceCube has further strengthened the case for the presence of a hadronic component in their emission, and paved way for efforts to detect this component by linking it to their high-energy EM emission. In this flash talk, I will briefly review my previous work on the multi-messenger study of blazars in gamma-rays and neutrinos, and present plans to extend this analysis by looking at X-ray selected blazars with IceCube data.

Abstract Track

Flash talk, Astroparticle physics

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