

XXV DAE-BRNS High Energy Physics Symposium 2022



Contribution ID: 609

Type: **Poster**

Multi-messenger study of TXS 0506+056 blazar

Tuesday 13 December 2022 14:00 (1 hour)

TXS0506+056 is the first-ever known blazar having $\sim 3.5\sigma$ spatial and temporal correlation with IceCube neutrino alert 170922A, this source has been observed in multi-wavelengths during different epochs. A multi-wavelength study of this source during different epochs suggests a time delay between high and Very high energy gamma(VHE) emission. Here, we propose this time delay could be explained by two interaction channels electron synchrotron, SSC and proton synchrotron.

Session

Astroparticle Physics and Cosmology

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Session Classification: Poster - 2