

Modeling TXS 0506+056 for AMEGO-X

Tuesday 11 October 2022 16:00 (15 minutes)

TXS 0506+056 is the first multimessenger blazar. We develop a one-zone, lepto-hadronic particle transport model and examine the multiwavelength SED simultaneous with each neutrino event. The model is specifically designed to examine the effects of particle acceleration on the observable data through self-consistent implementation of both acceleration and emission processes. We also compare with simulations of AMEGO-X data that suggest it is well poised to differentiate between physical models of multimessenger blazar flares.

Track

AGN

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