

Building a Public Database for Transient High-Energy Event Analyses

Tuesday, 24 August 2021 15:00 (15 minutes)

With an increasing number of telescopes and detectors, we now possess a wealth of information about various transient events. One such event of note was the neutrino alert from the IceCube observatory which led to multi-messenger observation of the blazar TXS0506+056. While the data and methods used to perform analysis of these transient events is publicly available, the analysis can be time-consuming. By building a pipeline which automatically performs this analysis and sending the results to a database, the results will be more easily accessible by both researchers and the public. Through learning the Fermi-LAT analysis process we have prepared to create this pipeline to populate a database. I will present the current status of the project.

Primary author: WITHERS, Tai (Queen's University)

Presenter: WITHERS, Tai (Queen's University)

Session Classification: Session 7