

Vulcano Workshop 2018 - Frontier Objects in Astrophysics and Particle Physics



Contribution ID: 23

Type: **not specified**

Multi-Messenger Astronomy with High-Energy Photons

Understanding the most energetic events in the Universe requires that we study them all the tools available to us. This means using the electromagnetic spectrum from radio to the highest energy gamma-rays, neutrinos, and gravitational waves. Wide-field instruments such as LIGO, IceCube, Fermi, SWIFT, and HAWC can provide prompt detection of events that can be followed up by pointed instruments. In this talk, an overview of the HAWC instrument will be presented including recent results on transient studies and follow-ups of neutrino and gravitational events will be presented.

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