

Summer Particle Astrophysics Workshop 2024

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VERITAS

Tuesday 14 May 2024 16:00 (30 minutes)

The Very Energetic Radiation Imaging Telescope Array System (VERITAS) is an array of four 12 m Imaging Atmospheric Cherenkov Telescopes (IACTs), located at the Fred Lawrence Whipple Observatory in Arizona, USA, that has been in full array operation since 2007. VERITAS conducts research in a variety of areas including galactic science such as supernova remnants, pulsar wind nebulae, binary systems; extra-galactic science including jetted AGN, gamma-ray burst and fast radio burst searches; multimessenger follow-ups and astroparticle physics, including dark matter searches. In this talk I will give an overview of the methods used by IACTs to observe gamma-ray like events, the VERITAS instrument itself and highlight some past and recent results from the experiment.

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