



Contribution ID: 342

Type: Talk

Probing the Extragalactic Background Light with VERITAS

Tuesday 15 December 2015 14:00 (21 minutes)

The observed spectra of active galactic nuclei carry the imprint of gamma-ray interactions with the extragalactic background light (EBL). As gamma rays from an extragalactic source travel to the observer, pair production on the EBL plays a role in reprocessing the photons to lower energies, obscuring the intrinsic source spectrum. VERITAS, a ground-based imaging atmospheric-Cherenkov telescope array sensitive to gamma rays above 85 GeV, has collected a large set of observations of blazars for a range of redshifts. We present the latest VERITAS results from using blazar spectral measurements to constrain the EBL's spectral energy distribution.

Collaboration

VERITAS

Primary author: PUESCHEL, Elisa Kay (University College Dublin)

Presenter: PUESCHEL, Elisa Kay (University College Dublin)

Session Classification: 19 - VHE & CR