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VERITAS and Cosmic Rays: An Update

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VERITAS is a ground-based array of four 12-meter telescopes near Tucson, Arizona and is one of the world's most sensitive detectors of very high energy (VHE, $E > 100$ GeV) gamma rays. VERITAS has a broad scientific reach that addresses direct studies of cosmic-ray accelerators, the propagation of cosmic rays, and direct measurements of cosmic-ray spectra. Recent results include deep studies of the Galactic supernova remnants Tycho, Cassiopeia A, and IC 443, the search for gamma-ray emission associated with astrophysical neutrinos detected by IceCube, and a new measurement of the spectrum of cosmic-ray electrons. In this presentation, we will summarize the current status of the VERITAS observatory and present these and other recent results from VERITAS.

Primary author: HUMENSKY, Brian (Columbia University)

Presenter: HUMENSKY, Brian (Columbia University)

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