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Very High Energy Astrophysics with VERITAS

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For more than a decade VERITAS, an imaging atmospheric-Cherenkov telescope array, has been probing the Northern very-high-energy (VHE; >100 GeV) gamma-ray sky. Located in Southern Arizona, VERITAS consists of four 12-m diameter reflectors and is one of the worlds most sensitive detectors of gamma rays between 85-GeV to 30-TeV. Over 50 galactic and extra-galactic sources have been detected at these energies many in conjunction with multi-wavelength and multi-messenger partners. Areas of investigation include the acceleration and propagation of cosmic rays in both galactic and extra-galactic sources, fundamental physics topics including the study of dark matter candidates, and an active multi-messenger follow up program for triggers received from electromagnetic, neutrino, and gravitational wave partners.

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