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Observations of Supernova Remnants and Pulsar Wind Nebulae with VERITAS

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The gamma-ray emission that arises from charged particle interactions with ambient photons and interstellar material provides insight into the nature and mechanism of charged particle (cosmic ray) acceleration taking place within the phenomena left behind by the death of massive stars: i.e. supernova remnants (SNRs) and pulsar wind nebulae (PWNe). The very-high-energy (VHE) gamma-ray observatory VERITAS has undertaken observations of a number of different SNRs and PWNe, with the twin goals of constraining particle acceleration models via measurements of the broadband energy spectrum and of mapping particle diffusion within and around these objects. We will provide an overview of recent results from this program of observations.

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