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VERITAS observations of gamma-ray binary systems.

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The VERITAS imaging atmospheric Cherenkov telescope array has been operating regularly since 2007. One of the key science programs for VERITAS throughout its lifetime has been searching for and monitoring gamma-ray binary systems. These systems are comprised of a massive star and a compact object, either black hole or neutron star, with the peak energy output of their emission occurring in the high or very high energy gamma-ray band, above 1 GeV. Gamma-ray binary observations now constitute some of the largest datasets in the VERITAS archive. We will summarize the status and results here, including observations of the GeV-faint binary HESS J0632+057, the bright gamma-ray binary LS I + 61 303, and the 50-year period pulsar/Be-star binary PSR J2032+4127/MT91 213.

Collaboration name

The VERITAS Collaboration

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