

VERITAS Galactic Physics

Monday 26 August 2013 14:00 (24 minutes)

The VERITAS array of four imaging atmospheric Cherenkov telescopes, located at the Fred Lawrence Whipple observatory in southern Arizona, has been in full operation since September 2007. Sensitive in the ~ 80 GeV to 30 TeV regime, VERITAS has recently (Summer 2012) completed a full array upgrade including the installation of new high quantum efficiency photomultiplier cameras.

VERITAS has performed deep observations on a variety of Galactic targets, yielding the detection of TeV emission from sources such as pulsar wind nebulae (PWNe), supernova remnants (SNRs), gamma-ray binaries, and more recently the >100 GeV emission from the Crab pulsar. We present some of the observational highlights from the VERITAS Galactic science program with an emphasis on those aspects that relate to the particle acceleration and the origin of cosmic rays in our Galaxy.

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Session Classification: Multi-wavelength studies of Galactic sources