

Graduate Student Seminar

VERITAS: Very Energetic Radiation Imaging Telescope Array System

Jeter Hall

VERITAS is an observatory under construction that is sensitive to gamma-ray radiation with energies from 100 GeV to 100 TeV. The Crab pulsar plerion was the first gamma-ray source detected in this waveband in 1980. Since this success the TeV community has begun more ambitious projects such as VERITAS and HESS, an almost identical system of telescopes already operational in Namibia. With VERITAS we will have access to a number of astrophysical phenomenon for the first time. I will report on the progress of VERITAS construction and science and I will also discuss a few of the observations of HESS, our sister observatory in the Southern Hemisphere.

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