

**Space Science Seminar
Tuesday, 2015 August 18
10:30 a.m.
NSSTC/2096**

Particle Astrophysics with VERITAS

Dr. David Staszak / Physics Department, McGill University

VERITAS is an array of four imaging atmospheric Cherenkov telescopes near Tucson, Arizona and is one of the world's most sensitive detectors of very high energy (VHE: >100 GeV) gamma rays and cosmic rays. VERITAS has a wide scientific reach that includes the study of extragalactic and galactic objects as well as the search for astrophysical signatures of dark matter and the measurement of cosmic rays. This talk will discuss recent VERITAS measurements related to particle astrophysics and the search for dark matter, including observations of several objects known to host dark matter over-densities, as well as the measurement of a cosmic-ray electron spectrum.

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