

# CU Physics Department Particle Seminar

Wednesday, November 28, 2007 705 Pupin Hall 1:00 PM



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## TeV Gamma-Ray Astrophysics with VERITAS

To measure the extremely low flux of high energy photons ( $E > 100 \text{ GeV}$ ) from astrophysical sources requires a detector with a very large effective area. TeV gamma-ray telescopes achieve this by exploiting the imaging atmospheric Cherenkov technique. I will describe the technique, its application and some of the recent impressive advances in our knowledge of the gamma-ray sky. In particular, I will focus on the results from VERITAS, an array of four atmospheric Cherenkov Telescopes sited in Arizona.

