Dr. Kenneth Ragan  
Department of Physics  
McGill University

“Very High Energy Gamma-Ray Astrophysics with VERITAS”

ABSTRACT

VERITAS is an array of four 12-m reflectors in Arizona which is used to detect and study very high energy (VHE; E > 100 GeV) gamma rays from astrophysical sources, using the atmospheric Cherenkov technique. The technique is quite different from ‘classical’ astronomy and uses the atmosphere as part of the detector—in effect, a large calorimeter.

In this talk I will introduce the technique and present some of VERITAS’ recent observations and results on supernova remnants, X-ray binary systems, and active galactic nuclei.

Refreshments will be available.