

# Observations of Pulsar Wind Nebulae with VERITAS

Scott P. Wakely\* for the VERITAS Collaboration†

*\*Enrico Fermi Institute and Department of Physics  
University of Chicago, Chicago, IL 60637 USA*

*† R.A. Ong et al. (these proceedings) or  
<http://veritas.sao.arizona.edu/conferences/authors?icrc2009>*

***Abstract.*** We report on recent observations by VERITAS of pulsar wind nebulae (PWNe). These objects, which comprise one of the most populous VHE gamma-ray source classes, consist of synchrotron nebulae powered by the spin-down of energetic young pulsars. The VERITAS observatory is an array of 4 imaging atmospheric Cerenkov telescopes located in southern Arizona. It was designed to study the high-energy gamma-ray sky above 100 GeV and has the energy and angular resolution to allow detailed studies of the emission from PWN. Results on our observation program will be presented at the conference.

***Keywords:*** gamma rays: observations - supernova remnants - pulsars