



Postdoctoral Positions in Gamma-Ray Astrophysics



The Particle Astrophysics Group at the University of Maryland has two openings for postdoctoral researchers to work on HAWC (High Altitude Water Cherenkov) and VERITAS (Very Energetic Radiation Imaging Telescope Array System), two of the most sensitive gamma-ray observatories currently operating above 100 GeV. HAWC is a wide-field gamma-ray detector and continuously surveys the northern sky for steady and transient sources to energies beyond 100 TeV. VERITAS is an imaging atmospheric Cherenkov telescope array, utilizing pointed observations to attain deep, high-resolution views of steady and transient targets.

The Maryland group has primary responsibilities in data management, reconstruction algorithms and analysis software development within both HAWC and VERITAS. Our science focus is the study of Gamma-Ray Bursts and other transients, extended TeV sources and the study of the high-energy spectra of sources within our galaxy. Researchers will also have the opportunity to join development activities towards the next-generation instruments in the field, the Cherenkov Telescope Array (CTA) and the Southern Wide-Field Gamma-ray Observatory (SWG0).

Applications will be considered from Ph.D. physicists and astronomers with strong backgrounds in particle astrophysics, particle physics, cosmic-ray physics, and related fields. Experience with object-oriented software and a willingness to travel to the HAWC site in Mexico and/or VERITAS site in Arizona are preferred. Applicants should submit a brief letter of application, a CV, and arrange to have three letters of recommendation sent (electronically) to: Professor Jordan Goodman (goodman@umd.edu) or Dr. Brian Humensky (humensky@umd.edu).

The University of Maryland, College Park, actively subscribes to a policy of equal employment opportunity, and will not discriminate against any employee or applicant because of race, age, sex, color, sexual orientation, physical or mental disability, religion, ancestry or national origin, marital status, genetic information, political affiliation, and gender identity or expression. Minorities and women are encouraged to apply.