



Post Doc Position with the Dark Energy Survey (DES)

The Center for Cosmology and Astro-Particle Physics (CCAPP) at the Ohio State University has an immediate opening for a postdoctoral researcher in experimental cosmology to work on the Dark Energy Survey.

In an effort to understand the accelerating universe and to pin down the nature of dark energy the Dark Energy Survey collaboration (DES) will perform an optical to near-infrared survey of 5000 sq. deg of the southern sky using a new, state of the art, wide-field CCD imager and the existing 4-m Blanco telescope at the Cerro Tololo Inter-American Observatory (CTIO) in Chile. The Dark Energy Survey will enable measurements of the dark energy and dark matter densities and the dark energy equation of state through several independent methods including galaxy clusters, weak gravitational lensing, galaxy angular clustering (baryon acoustic oscillations), and supernovae.

Our responsibilities on DES include the design and construction of the camera data acquisition and control system and we are looking for a post-doc with strong interests in this area to help us with this effort. The successful applicant is also expected to contribute to the development of the DES science program. Participation in an ongoing weak lensing/cluster survey project is a possibility.

Candidates should have an interest in both software development and analysis of existing and future data. A Ph.D. in particle physics, particle astrophysics, astrophysics, cosmology, or related field is required. Applicants should have a good understanding of modern programming language (C++, Java). Knowledge of distributed software architectures is desirable. We don't require prior experience in cosmology so this position offers an excellent opportunity for someone with a particle physics background to transition into this exciting area of research.

Information about the Dark Energy Survey can be found at <http://www.darkenergysurvey.org/> and more information about CCAPP is available at the center's website (<http://www.ccapp.osu.edu/>).

Interested candidates should electronically submit a curriculum vita, list of principal publications; and arrange to have three letters of reference sent to Prof. Klaus Honscheid at: kh@mps.ohio-state.edu. Applications will be accepted until the position is filled.

To build a diverse workforce Ohio State encourages applications from individuals with disabilities, minorities, veterans, and women. EEO/AA employer.