

## Postdoc position a Penn State

The Particle Astrophysics group at Penn State has an opening for a postdoctoral researcher to work on the IceCube neutrino observatory, which has been completely deployed and taking data at the South Pole since 2011. The Penn State group is focused on the study of atmospheric neutrino oscillations using data from IceCube's DeepCore low energy extension, the development of data acquisition electronics and firmware for the proposed PINGU extension to IceCube, and Monte Carlo studies of PINGU's sensitivity to the neutrino mass hierarchy. The successful candidate will be expected to contribute actively to the analysis of data from DeepCore and to help further develop the proposal to build PINGU.

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 particle physics data analysis tools is preferred. Experience or interest in the design of FPGA firmware and/or data acquisition electronics is a plus. Applications must be submitted electronically at the Penn State employment website at <https://psu.jobs/job/59757> and include a CV and brief statement of research interests. Applicants should arrange for three reference letters to be submitted to [physicsapply@psu.edu](mailto:physicsapply@psu.edu) indicating the appropriate job number in the subject line. This is a fixed-term appointment funded for one year from date of hire, with possibility of re-funding. Review of applications will begin immediately and continue until a suitable candidate is found.

Campus Security Crime Statistics: For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to <http://www.police.psu.edu/clery/>, which will also provide you with detail on

how to request a hard copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.