

November 13, 2015

Postdoctoral Opportunity Experimental Nuclear Physics



The Texas A&M University Cyclotron Institute is offering a postdoctoral research position in experimental low-energy nuclear physics, with an anticipated start date in early 2016. The successful candidate will join the group of Prof. Greg Christian and be expected to lead the development of a new, highly position sensitive neutron detector for breakup and transfer reaction studies, as well as to take a leading role in the setup, execution and analysis of local experiments.

The Institute is located on the campus of Texas A&M University in College Station, TX USA. It houses two cyclotrons, a superconducting K500 and a normal conducting K150, providing a wide range of stable and in-flight radioactive beams at varying energies. It is also in the final stages of an upgrade project to couple the cyclotrons and provide re-accelerated radioactive beams using the IGISOL technique. Available experimental devices that may be of interest include the MARS recoil separator, the high-resolution MDM spectrometer, and a gaseous active target. Additionally, the TIARA array is being brought to the Institute in early 2016 and will be coupled with the MDM and a set of germanium clover detectors for studying transfer reactions in inverse kinematics. More information about the Cyclotron Institute is available online at <http://cyclotron.tamu.edu>.

The ideal candidate will have experience performing nuclear or high-energy physics experiments and be well versed in the tools and techniques thereof, including radiation detection, data acquisition, Monte Carlo simulation, and data analysis. Experience with C++/ROOT and GEANT4, or the demonstrated ability to rapidly learn these tools, is essential. All candidates are required to have a PhD in nuclear physics or a closely related field before the anticipated start date.

Texas A&M offers competitive salaries, a generous benefits package, and the opportunity for hands-on research in a dynamic, stimulating environment. Interested candidates should send a CV, a cover letter addressing their qualifications and research interests, and the contact information for two potential references directly to gchristian@tamu.edu. Any questions about the posting should also be directed to this email address. Review of applications will begin immediately and continue until the position is filled.



Texas A&M University is an equal opportunity/affirmative action employer. The university is further dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment and strongly encourages applications from women, minorities, individuals with disabilities, and veterans. In addition, Texas A&M University strives to be responsive to the particular needs of dual career couples. The Department of Physics and Astronomy is especially interested in candidates who can contribute to the diversity and excellence of the academic community through their research, teaching, and/or service.