

Postdoctoral research associate position available

Cyclotron Institute, Texas A&M University

The [Cyclotron Institute](#) at Texas A&M University is inviting applications for a postdoctoral research associate in experimental nuclear physics. Our group is interested in probing fundamental symmetries via precision measurements of β -decay observables both at the Cyclotron Institute as well as other laboratories. The local program utilizes the K500 cyclotron and our precisely-calibrated HPGe to measure lifetimes and branching ratios, and we are in the process of constructing a K150-cyclotron ^3He -driven light-ion guide system. The LSTAR separator will purify and transport proton-rich RIBs to the world's largest Penning trap, TAMUTRAP, where we will measure angular correlations in a number of $T = 2$ β -delayed proton decaying nuclei. Our off-site efforts include the ^6He -CRES experiment based at the Center for Experimental Nuclear Physics and Astrophysics at the University of Washington, the TRINAT program at ISAC-I/TRIUMF (Vancouver, Canada), and a collaborative effort with Lawrence Livermore and Argonne National Laboratories to measure fission-fragment yields.

The successful candidate will be expected to take a leading role in the one or more of the fundamental symmetry group's program, including the construction and commissioning of the light-ion guide and LSTAR, and will be actively encouraged to pursue their own research ideas both on- and off-site. Previous relevant experience (particularly with IGISOL techniques and mass separators), a hands-on approach to research, and an ability to work in a team environment are all assets for this position. There is a strong possibility that at the end of this 2–3 year post-doctoral appointment, an assistant research scientist position at the Cyclotron Institute would be offered if mutually beneficial.

Candidates with a Ph.D. in nuclear physics (or related field) interested in one or more of these research programs are encouraged to apply at tamus.wd1.myworkdayjobs.com/TAMU_External/job/College-Station-TX/Postdoctoral-Research-Associate_R-068148. All applications must be submitted by uploading a single pdf containing a cover letter, a CV with full publication list, a brief statement of research interests, and the names and contact information of at least three references. For further information about the position, please contact Dan Melconian at dmelconian@tamu.edu. Review of applications will begin immediately and continue until the position is filled.

Texas A&M University is an Equal Opportunity/Affirmative Action employer that is dedicated to the goal of building a culturally diverse and pluralistic faculty and staff who are committed to teaching and working in a multicultural environment. We strongly encourage applications from women, minorities, veterans, and individuals with disabilities.