

Postdoctoral Opportunity in Experimental Nuclear Structure, Reactions and Astrophysics

The low energy nuclear physics experimental group at Rutgers University anticipates an opening for a postdoctoral position as of May 15, 2016.

The successful candidate would work under the supervision of Professor Jolie Cizewski, the Director of the Center of Excellence for Radioactive Ion Beam Studies for Stewardship Science (RIBSS) and University of Tennessee-Knoxville Professor Robert Grzywacz, Associate Director of the RIBSS Center.

The RIBSS Center is a consortium of nuclear scientists, including those at Rutgers University, the University of Tennessee-Knoxville and Oak Ridge National Laboratory, focusing on reaction and decay studies to probe nuclear structure and astrophysics. The successful candidate will become part of the team of scientists using radioactive decay and transfer reactions to study properties of unstable nuclei of interest to both nuclear structure and astrophysics. The successful candidate would be expected to take a leadership effort in simulating the response of scintillator detectors and develop new experimental techniques and detectors. The scintillator detector systems include the VANDLE array of plastic scintillators for beta-delayed and (d,n) reaction neutron detection, and HAGRID, a new array of LaBr₃ scintillator detectors for photons that is being developed. The activities of this Center are currently focused in Oak Ridge and Knoxville, Tennessee. Experimental measurements are performed at stable and radioactive ion beam facilities including Michigan State University, Argonne National Laboratory and CERN in Switzerland.

This position provides an excellent opportunity for an early career scientist to develop an independent research program as part of an established user group. Applications will be reviewed starting February 15, 2016 until the position is filled. Applications with resume, list of publications, and names and contact information for three references should be sent to

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You are also welcome to contact Professor Grzywacz rgrzywacz@utk.edu should you have questions.