

Postdoctoral Research Associate Position
Experimental Nuclear Physics Group
North Carolina A&T State University

The Nuclear Physics Group at the North Carolina A&T State University is accepting applications for a postdoctoral research associate position to work on the data analysis of the experiment to measure the $\eta \rightarrow \gamma\gamma$ decay width (E12-10-011). The first part of this experiment was performed in Hall D at JLab in spring of 2019 with a collection of high statistics and rich experimental data set. The second part of the experiment is currently scheduled for 2021. In addition, for the past several years, the PRad Collaboration successfully performed a precision measurement of the proton charge radius to address the current “*proton radius puzzle*” in hadronic and atomic physics. Currently we are developing a new experimental proposal to perform the second stage of this experiment (PRad-II) to improve the total experimental uncertainty by a factor of two and half.

The successful candidate will be located at Jefferson Lab and expected to take leading roles in both data analysis and preparation of new proposals through active Monte Carlo simulations. Applicants must have a Ph.D. in experimental nuclear or high energy particle physics and experience working with hardware and software for accelerator based experiments, as well as, an extensive knowledge of data analysis techniques. Review of applications will start March 23, 2020 and will continue to accept applications until the position is filled.

Applicants should submit a cover letter, curriculum vitae, statement of research interests and experience and arrange to have three letters of recommendations emailed (and sent) to:

Dr. A. Gasparian, Professor of Physics
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