Post-Doctoral Research Associate (Physics)

Position Number: 18-020
College or Other: College of Sciences
Department: Physics Department
FT/PT Status: Full Time

Summary
The Old Dominion University Experimental Nuclear Physics group is seeking a postdoctoral associate to support our experimental program at the nearby Thomas Jefferson National Accelerator Facility (Jefferson Lab). The group (consisting of professors M. Amaryan, S. Bueltmann, G. Dodge, C. Hyde, S. Kuhn, and L. Weinstein plus 2 postdocs, 8 graduate students and Jefferson Lab affiliates) is one of the largest research groups at Jefferson Lab. We are leading several experiments with the newly upgraded 12 GeV beam at the lab, including investigations of nucleon structure, nucleon-nucleon correlations in nuclei, hadron spectroscopy and searches for new physics in all Jefferson Lab Halls A, B and C and recently joined GlueX in Hall-D. We are also developing and building detectors and targets for these experiments and are working towards a future electron-ion collider. We are in particular looking for candidates with extensive experience in the area of data analysis.

For more information, see http://www.odu.edu/physics/research.

Candidates must possess a Ph.D. in experimental nuclear or particle physics or closely related field. A minimum of two years of experience in experimental nuclear or high energy physics is required. Experience with GEANT, ROOT and other scientific software is preferred.

To apply, submit a letter of application, and curriculum vitae to ODU Research Foundation at http://www.researchfoundation.odu.edu/. Click on the employment tab and follow the link for the Physics Department position. Please have three letters of reference sent directly to DNOdom@odu.edu with copies to mamaryan@odu.edu.

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Job Responsibilities:
1. Work with experimental equipment, including designing, building, and testing detectors.
2. Take shifts and participate in running experiments.
3. Analyze data to produce publishable physics results.
4. Write reports, analysis notes, and journal articles.
5. Assist graduate students as needed.

AA/EOE/M/F/Disability/VETS/Drug Free