POSTDOCTORAL RESEARCH ASSOCIATE AT DUKE UNIVERSITY

The Medium Energy Physics Group at the Triangle Universities Nuclear Laboratory, and at Duke University invites applications for a Postdoctoral Research Associate position. The group has research interests which include studies of nucleon structure at the High Intensity Gamma Source (HIGS) facility at the Duke University Free Electron Laser Laboratory and at Jefferson Lab, e.g. a precise measurement of the proton charge radius in Hall B at Jefferson Lab; the transverse-momentum-dependent parton distribution functions (TMD) studies employing polarized ^{3}He and NH_3 targets, and the proposed SoLID device in Hall A with a 12-GeV CEBAF at Jefferson Lab; the Compton scattering experiments at HIGS to extract the nucleon polarizabilities; and searches of exotic QCD states at Jefferson Lab. The group is joining an experiment on a precision measurement of the eta radiative decay width via the Primakoff effect in Hall D at Jefferson Lab, and is involved in the development of TMD physics at a future electron-ion collider. The successful candidate is expected to contribute significantly to the physics programs as well as to the SoLID detector.

We are looking for candidates who can make creative and important contributions to our program. A PhD in experimental nuclear or particle physics or related fields is required. The initial appointment is for one year, which can commence immediately. Based on mutual satisfaction and continued funding, the possibility for extension exists for two additional years. Applicants should submit a vita and brief statement of research interests, and should have three letters of recommendation sent to Academic Jobs Online at: https://academicjobsonline.org/ajo/jobs/12669. The application site is open until the position is filled. For questions, please contact Prof. Haiyan Gao at gao@phy.duke.edu.

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