
Postdoctoral Research Associate (*Stationed at Fermilab*)

The experimental Medium Energy Physics group at Mississippi State University invites applications for a Postdoctoral Research Associate position. The group has research interests that include studies of nucleon structure and QCD dynamics in nuclei at Jefferson Lab and Fermilab, such as the precision measurement of color propagation and fragmentation processes, the study of color transparency phenomena, and the partonic structure of bound nucleons. The group is, in addition, interested in the study of sea quarks distributions, the EMC effect, the poorly known gluon transverse momentum distributions using J/Ψ production, and transversity with the polarized Drell-Yan, E1039/SpinQuest, experiment at Fermilab.

We are looking for candidates who will be stationed at Fermilab and continue leading our efforts on optimizing an advanced Graphics Processing Unit based multi-threaded framework for online data reconstruction and monitoring and contributing to the commissioning and running of the SpinQuest experiment as well as data analyses. The successful candidate will be encouraged to actively participate in the development of new proposals as well as projects.

A Ph.D. in experimental nuclear or particle physics or related fields and proficiency in programming and data analysis concepts are required. Preferences will be given to candidates with prior knowledge of GPU-based programming.

Candidates must apply online at <https://explore.msujobs.msstate.edu/> (JOB # 506513) and include a resume or curriculum vitae and a brief statement describing research interests as well as work experiences. At least two recommendation letters should be sent electronically to Prof. Lamiaa El Fassi (le334@msstate.edu).

Screening of applications will begin immediately and continue until the position is filled. Applications received by mid. of August 2023 will receive full consideration.

MSU is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, ethnicity, sex, religion, national origin, disability, age, sexual orientation, genetic information, pregnancy, gender identity, status as a U.S. veteran, and/or any other status protected by applicable law. We always welcome nominations and applications from women, members of any overlooked minority group, and others who share our passion for building a diverse community that reflects the diversity in our student population.