
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 Fermilab and Jefferson Lab, such as the study of sea quarks distributions, EMC effect, the poorly known gluon transverse momentum distributions using J/Psi production, and transversity with the polarized Drell-Yan, E1039/SpinQuest, experiment at Fermilab. The group is in addition interested in the precision measurement of color propagation and color transparency as well as the partonic structure of bound nucleons at Jefferson Lab.

We are looking for candidates who will be stationed at Fermilab and will continue leading our efforts on optimizing an advanced Graphical Processing Unit based multi-threaded framework for online data reconstruction and monitoring, the commissioning as well as running of the E1039 experiment, and 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 is required along with proficiency in programming and data analysis concepts. Preferences will be given to candidates with prior knowledge of GPU-based programming.

Candidates must apply online at <https://explore.msujobs.msstate.edu/> (Job #: 504036) and include a resume or curriculum vita, a brief statement describing research interests as well as work experiences, and at least two recommendation letters should be sent electronically to Dr. Lamiaa El Fassi (le334@msstate.edu).

Screening of applications will begin immediately and will continue until the position is filled. Applications received by mid. May 2022 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 the 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.