

The Department of Physics at the Southern Methodist University invites applications for a Postdoctoral Fellow position to work on the ATLAS experiment at the LHC.

The SMU ATLAS group currently consists of faculty members: Alison Deiana, Stephen Sekula, Ryszard Stroynowski and Jingbo Ye, Research Professor Katharine Leney, 3 post-doctoral fellows, 3 engineers and 5 graduate students. The group contributes to operations and upgrade projects in the areas of Liquid Argon Calorimeter, b-jet trigger, and machine learning R&D.

On the physics analysis front, we study several aspects of the Higgs physics including major efforts in di-Higgs and associated ttH production and precision measurements of Higgs properties. For the LHC Run 3 we plan to continue study of the Higgs self-coupling and we plan to explore effects of physics beyond the Standard Model.

The successful candidate will be expected to play a leading role in the group's current and future physics analysis efforts and contribute to the LHC Run 3 and detector upgrade. The position can be based at CERN or at SMU in Dallas with travel to CERN as needed. Qualified candidates must have a Ph.D. in particle physics by the time of the appointment.

The application material will consist of curriculum vitae, a description of research interests, and three letters of recommendation sent directly by the referees. The applications should be sent to Ms. Michele Hill at [jobsearch@physics.smu.edu](mailto:jobsearch@physics.smu.edu). Further information can be obtained by contacting Prof. Ryszard Stroynowski at [ryszard@physics.smu.edu](mailto:ryszard@physics.smu.edu). Applications received before June 1, 2021 will receive full consideration. Review of applications will continue until the position is filled.

SMU will not discriminate in any program or activity on the basis of race, color, religion, national origin, sex, age, disability, genetic information, veteran status, sexual orientation or gender identity or expression. The Executive Director for Access and Equity/Title IX Coordinate is designated to handle inquiries regarding nondiscrimination policies and may be reached at the Perkins Administration Building, Room 204, 6245 Boaz Lane, Dallas, TX 75205 214-768-3601, [accessequity@smu.edu](mailto:accessequity@smu.edu). Hiring is contingent upon the satisfactory completion of a background check.