

Open Rank Position in Experimental Particle Physics

Position No. 52906. The Department of Physics at Southern Methodist University in Dallas invites applications for an open rank faculty position in Experimental Particle Physics. The appointment is expected to start in August 2023.

Southern Methodist University is a research intensive, private liberal arts university centrally located in the vibrant Dallas metroplex. Current experimental program at the Department of Physics at SMU is concentrated in the fields of particle physics and astrophysics. It includes ATLAS at the LHC, NOvA and ICARUS at Fermilab, the international neutrino DUNE project, development of readout electronics for collider experiments, DESI and observational studies of black holes. The theory program is concentrated on the collider phenomenology and on theoretical astrophysics and cosmology. Applicants for the position must have a PhD degree, postdoctoral experience and a record of research excellence.

Within the ATLAS Collaboration at the LHC, the department of physics at SMU is heavily involved in physics involving the Higgs boson, including studies of Higgs couplings and CP properties, the search for di-Higgs production and the search for the effects of physics beyond the Standard Model. The department is also engaged in development of optical links and readout electronics firmware for the LAr calorimeter system and firmware and fast machine learning development in the global event processor of the trigger system.

A successful applicant would be expected to teach at the undergraduate and graduate levels, take a leadership position in one of the present research directions, as well as expand the SMU program in a manner coherent with the current focus. The applicant would also be expected to supervise graduate students and to contribute to the program by pursuing relevant funding opportunities. Faculty are expected to teach and mentor diverse students within the Physics program and throughout the University.

Interested candidates should forward a curriculum vitae, statement of research and teaching interests, a one-page diversity statement, and three letters of recommendation to <http://apply.interfolio.com/112655>. To ensure full consideration, the application must be submitted by **November 15, 2022**, but the committee will continue to accept applications until the position is filled. The committee will notify applicants of its employment decision after the position is filled. Questions or inquiries may be directed to the search chair, Dr. Ryszard Stroynowski (ryszard@physics.smu.edu).

SMU is a nationally-ranked, private, non-sectarian research institution located in one of the nation's fastest growing metropolitan areas. Researchers are part of an inclusive and intellectually vibrant community of internationally recognized scholars across the humanities, social sciences, natural sciences, engineering, and business. SMU offers excellent benefits including full same-sex domestic partner benefits. The City of Dallas is one of the nation's most cosmopolitan commercial and cultural centers, and the Dallas-Fort Worth metroplex is the fourth largest in the US. Dallas' quality of life is exceptional, with a relatively low cost of living and a variety of housing options. A full range of professional sports teams, music venues, a lively and innovative restaurant scene, and more make Dallas an extremely livable city. Explore SMU at (<http://www.smu.edu>).

Southern Methodist University 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 and expression. The Executive Director for Access and Equity/Title IX Coordinator is designated to handle inquiries regarding nondiscrimination policies and may be reached at the Perkins Administration Building, Room 204, 6425 Boaz

Lane, Dallas, TX75205, 214-768-3601, accessequity@smu.edu.

Hiring is contingent upon the satisfactory completion of a background check.