

Texas Tech University
Department of Physics and Astronomy
The Assistant/Associate Professors in Experimental Particle Physics

The Department of Physics and Astronomy at Texas Tech University (TTU) invites applications at the tenure-track assistant or associate professor level in experimental particle physics with the proposed start date of September 1, 2024. We anticipate filling two positions and expect that the successful candidates will develop vibrant research programs for the present and future colliders and collaborate closely with the TTU's CMS and Detector R&D groups. Candidates with strong research records and compelling vision in non-collider physics will also be considered.

Considerable resources are available at TTU to strengthen and support research. These include generous start-up funds and availability of advanced facilities for data analyses and detector R&D. The Advanced Particle Detector Laboratory, a well-equipped facility, is one of six international CMS construction centers of silicon sensor modules for the high-granularity end-cap calorimeter (HGCALE) at the HL-LHC. In addition to CMS HGCALE activities, we pursue an ambitious R&D program in calorimetry that incorporates fast high-density electronics with embedded intelligence for future colliders. The High Performance Computing Center makes substantial resources and expertise available to support data analyses in particle physics.

Candidates must have earned a Ph.D. in physics or closely related field, established an outstanding track record of significant research, and shown promise of excellent teaching at both undergraduate and graduate levels. Candidates are expected to garner extramural funding to support their research where detector R&D is a significant component. Service to the department, college, and university is also expected.

TTU is designated as a Carnegie Research 1 Institution, and is also recognized as a Hispanic Serving Institution (HSI). TTU is located in the West Texas High Plains city of Lubbock (population over 250,000) and has excellent medical facilities, a low cost of living, and a semi-arid, sunny, and mild climate. Lubbock is within driving distance of Dallas, Austin, Santa Fe, and other major metropolitan cities.

Each applicant should submit a vita, list of publications, statement of research interests and plans, teaching philosophy, and contact information for at least three references. Applications should be submitted online at <http://jobs.texastech.edu> using requisition ID 34588BR. Inquiries should be directed to the search committee chair, Professor Nural Akchurin (Nural.Akchurin@ttu.edu). Review of applications will start November 1, 2023 and will continue until the position is filled.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, disability, genetic information or status as a protected veteran.