

Texas Tech University
Department of Physics and Astronomy
The Endowed Bucy Chair in Experimental Particle Physics

The Department of Physics and Astronomy at Texas Tech University (TTU) invites nominations or applications at the tenured associate or full professor level for the J. Fred Bucy and Odetta Greer Bucy Endowed Chair in experimental particle physics with the proposed start date of September 1, 2024. We expect the successful candidate to establish, develop, and lead an internationally recognized and visionary research program in non-collider experimental particle physics that tackles the most pressing questions in neutrino physics, dark matter, dark energy, or similarly defined areas.

Considerable resources are available at TTU to strengthen and support research efforts. These include generous start-up funds and collaboration with the existing high energy physics group, which has a long history in hadron collider physics (CMS) and detector R&D. The Advanced Particle Detector Laboratory develops innovative detector technologies for several future applications and contributes to the HL-LHC CMS Phase-II upgrades by building a large fraction of the silicon sensor modules for the high-granularity end-cap calorimeter. 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 external funding to support their research, and demonstrated excellent teaching at both undergraduate and graduate levels. Candidates are expected to continue garnering extramural funding to support their research for which 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 34577BR. Inquiries should be directed to the search committee chair, 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.