As part of its strategic growth plan, the Department of Physics and Astronomy at Texas Tech University (TTU) invites applications for a faculty position in experimental condensed matter physics at the tenure-tracked, assistant professor level. The starting date for the successful applicant who prevails in this search will be September 1, 2022.

We expect this new faculty member to establish and develop an internationally recognized and visionary research program in experimental condensed matter physics, very broadly defined. Considerable resources are available at TTU to strengthen and support interdisciplinary and collaborative research efforts. These include substantial start-up funds, and readily available access to shared, state-of-the-art major scientific instrumentation facilities throughout the University. The Imaging Center, operated by the College of Arts and Sciences, features state-of-the-art electron microscopy, both SEM and TEM, Gallium Focused Ion Beam (FIB) nano-milling, advanced optical imaging, and sample preparation and analysis. The NanoTech Center, a locus of interdisciplinary research, focuses on fundamental science and growth of advanced semiconductor materials. The Advanced Particle Detector Laboratory is developing innovative detector technologies for multiple future applications, and the High Performance Computing Center makes substantial resources and expertise available to support advanced computational capabilities on campus. The department boasts strong and well-funded research groups. Furthermore, TTU is classified as a ‘R1: Highest Research Activity’ University by the Carnegie Foundation, and it has been named an ‘Innovation and Economic Prosperity (IEP)’ University by the Association of Public and Land Grant Universities (APLU).

Candidates must have a Ph.D. in physics or closely related field. At least two years of post-doctoral experience is strongly preferred, but others who have obtained an outstanding research record early in their professional careers will also be considered. All candidates must show promise of excellent teaching at both undergraduate and graduate levels. Candidates are expected to garner extramural funding to support their research plan which they define. Service to the department, college, and university is also expected.

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 26170BR. Inquiries should be sent to Professor Robert Duncan (Robert.Duncan@ttu.edu). Review of applications will begin on December 1, 2021 and will continue until the position is filled.

As an Equal Employment Opportunity/Affirmative Action employer, Texas Tech University is dedicated to the goal of building a culturally diverse faculty committed to teaching and working in a multicultural environment. We actively encourage applications from all those who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community at Texas Tech University. The university welcomes applications from minoritized candidates, women, veterans, persons with disabilities, and dual-career couples. Texas Tech University is a Hispanic Serving Institution (HSI).