Department of Physics, Virginia Tech
Tenured or Tenure-Track Faculty Position in Theoretical Neutrino Physics

Job description:

As part of an initiative to build on existing strengths and to expand our Center for Neutrino Physics, the Department of Physics at Virginia Tech (http://www.phys.vt.edu) invites applications for an open rank tenured (Associate or Full Professor rank) or tenure-track (Assistant Professor rank) faculty position in Theoretical Neutrino Physics. Virginia Tech's Center for Neutrino Physics provides an intellectually vibrant environment, where faculty pursue a broad range of research in neutrino physics and related fields. The Center's culture fosters collaboration across theory and experiment; nuclear, particle, and astro-physics; as well as basic and applied science. Current theoretical research activities of the Center include neutrino phenomenology, neutrino astrophysics, and dark matter. Current experimental activities include DUNE/protoDUNE, MicroBooNE, SBND, ICARUS as part of the SBN program at Fermilab, CHANDLER, the Mobile Antineutrino Demonstrator, COHERENT, CUORE/CUPID, KamLAND-Zen, and DarkSide/Argo.

Applicants must hold a Ph.D. or equivalent in physics or a closely related field by date of hire and must have postdoctoral experience at the time of the appointment. The successful candidate will be expected to establish a vigorous and well-funded research program; teach effectively at the undergraduate and graduate levels; continue development of scholarly activities and professional capabilities; occasionally travel, for example, to attend professional conferences and present research seminars; and actively participate in department, college, and university governance.

Diversity, equity, and inclusion are core values at Virginia Tech and the College of Science. Our excellence can only be fully realized by faculty, students, and staff who share our commitment to these values. The Department of Physics seeks candidates whose research, teaching or service has prepared them to contribute to our commitment to diversity and inclusion in higher education.

Position responsibilities:

Expectations for this position include: The development of a vigorous and externally well-funded research program, effective instruction in physics at the undergraduate and graduate levels, and to actively participate in department, college, and university governance.
The faculty handbook (available at http://www.provost.vt.edu/) provides a complete description of faculty responsibilities at Virginia Tech. Questions regarding the position may be directed to the chair of the Search Committee, Patrick Huber, at neutrino-search-g@vt.edu.

Required qualifications

Applicants must hold a Ph.D. or equivalent in physics or a closely related field by date of hire and must have postdoctoral experience at the time of the appointment. The position requires occasional travel to attend conferences and meetings.

They should demonstrate a strong record of accomplishments and creativity in theoretical neutrino research; a desire to advise and teach a student body which is diverse with respect to socio-economic status, race and gender, and a vision of scholarship and service that aligns with the University's strategic priorities of impact, inclusion, and excellence.

Additional information

Candidates should apply at https://jobs.vt.edu (posting # 531030). The application package must include (i) a cover letter, (ii) curriculum vitae with publication list, (iii) a statement of ongoing and planned research, (iv) a brief description of teaching philosophy, and (v) a statement of any previous activities or future plans aimed at expanding diversity and/or mentoring of underrepresented groups, and how the applicant will further Virginia Tech's commitment to build a culturally diverse educational environment (http://www.inclusive.vt.edu/). Applicants should arrange for three letters of recommendation to be directly emailed to neutrino-theory-search-g@vt.edu. Review of applications will begin on October 25, 2024, and will continue until the position is filled; to ensure full consideration, complete application packages and reference letters should be received by October 25, 2024. The expected position starting date is August 10, 2025.

The successful candidate will be required to have a criminal conviction check.

About Virginia Tech

Dedicated to its motto, Ut Prosim (That I May Serve), Virginia Tech pushes the boundaries of knowledge by taking a hands-on, transdisciplinary approach to preparing scholars to be leaders and problem-solvers. A comprehensive land-grant institution that enhances the quality of life in Virginia and throughout the world, Virginia Tech is an inclusive community dedicated to knowledge, discovery, and creativity. The university offers more than 280 majors to a diverse enrollment of more than 36,000 undergraduate, graduate, and professional students in eight undergraduate colleges, a school of medicine, a veterinary medicine college, Graduate School, and Honors College. The university has a significant presence across Virginia, including the Innovation Campus in Northern Virginia; the Health Sciences and Technology Campus in Roanoke; sites in Newport News and Richmond; and numerous extension offices and research centers. A leading global research institution, Virginia Tech conducts more than $500 million in research annually.

Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or military status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law.

If you are an individual with a disability and desire an accommodation, please contact Jacqueline Woodyard at woodyaj@vt.edu during regular business hours at least 10 business days prior to the event.