

## Joint Faculty Position in Experimental Neutrino Physics at York University and Fermilab

The Department of Physics and Astronomy at York University in Toronto, Canada and the Fermi National Accelerator Laboratory (Fermilab) near Chicago, USA, invite applications for a joint position in the field of experimental neutrino physics to commence July 1, 2019 or as soon as possible thereafter. During the period of the joint appointment, the Joint Appointee will be expected to devote at least 50% of their research time to research activities related to the development of the Long-Baseline Neutrino Facility (LBNF) and/or the Deep Underground Neutrino Experiment (DUNE). In 2018, the first such joint appointment was made; this second position will strengthen the existing York effort in LBNF and DUNE.

At York University, this would be a tenure-track professorial-stream position at the Assistant Professor level. At Fermilab, the position would be that of Associate Scientist. York University shall serve as the home institution. Salary will be commensurate with qualifications and experience. All York University positions are subject to budgetary approval. The joint appointment will have a duration of five years, with the possibility of extending the joint status by mutual agreement between the two institutions. In the event that the joint appointment status is not extended, the Joint Appointee will revert to a regular academic appointment at York University. The Joint Appointee will be provided with office space, research space, and associated resources both at York University and Fermilab.

York University champions new ways of thinking that drive teaching and research excellence. Through cross-disciplinary programming, innovative course design, diverse experiential learning and a supportive community environment, York students receive the education they need to create big ideas that make an impact on the world. Located in Toronto, York is the third largest university in Canada, with a strong community of 53,000 students, 7,000 faculty and administrative staff, and more than 300,000 alumni.

Fermilab, the premier particle physics and accelerator laboratory in the United States, has been at the forefront of particle physics for more than 40 years. Fermilab's 1,800 employees, including engineers, scientists, technicians, and administrative professionals, are advancing knowledge for the benefit of humankind. This research involves building world-leading accelerators and detectors to conduct some of the most advanced particle physics experiments possible, as well as collecting and analyzing the data from those experiments with some of the most powerful computers in the world. Fermilab is located on a 6,800-acre prairie 35 miles outside Chicago, a treasure that has been designated a National Environmental Research Park.

The Department of Physics and Astronomy at York has strong research groups in High Energy Physics, Astronomy/Astrophysics, Atomic/Molecular/Optical Physics (including laser physics), and Biophysics. Faculty regularly engage and collaborate with researchers at CERN, the Canadian Institute for Theoretical Astrophysics, Fermilab, the Fields Institute, the Perimeter Institute for

Theoretical Physics, J-PARC, and TRIUMF. Further information about the Department and the University can be found at <http://www.physics.yorku.ca/>.

Applicants must have a Ph.D. in Physics along with relevant postdoctoral experience and be suitable for prompt appointment to the Faculty of Graduate Studies. The successful candidate will be expected to develop a strong, externally funded research program, supervise graduate students, foster research linkages within and beyond York, and play an active role in widely promoting York's endeavours in research and education. Candidates must show excellence or promise of excellence in the teaching of physics at both undergraduate and graduate levels. Pedagogical innovation in high priority areas such as experiential education and technology enhanced learning is desirable.

York University is an Affirmative Action (AA) employer and strongly values diversity, including gender and sexual diversity, within its community. The AA Program, which applies to Aboriginal people, visible minorities, people with disabilities, and women, can be found at <http://acadjobs.info.yorku.ca/> or by calling the AA line at 416-736-5713. All qualified candidates are encouraged to apply; however, Canadian citizens, permanent residents and Indigenous peoples in Canada will be given priority.

The deadline for receipt of completed applications is November 20, 2018. All application materials should be submitted electronically through: <https://academicjobsonline.org/>. Applicants should submit an up-to-date curriculum vitae, a two-page summary of key research contributions and outline of research plans, and a one-page statement about teaching interests. Furthermore, applicants should arrange for three signed letters of recommendation to be uploaded to the application website. Any queries about the position should be directed to Professor Wendy Taylor at [taylorw@yorku.ca](mailto:taylorw@yorku.ca).

Applicants wishing to self-identify can do so by downloading, completing and submitting the forms found at: <http://acadjobs.info.yorku.ca/>. Please select the Affirmative Action tab under which forms pertaining to Citizenship and AA can be found.