Neutrino Post-Doctoral Position in  
Experimental High Energy Physics  
York University, Toronto, Canada

The York University high-energy physics group has an opening for a postdoctoral position to work on the DUNE and T2K experiments in the United States and Japan respectively.

The York neutrino group is already involved in the T2K and MINERvA experiments and is ramping up on the DUNE experiment. The successful candidate will have the opportunity to improve neutrino oscillation measurements in a variety of ways: through precise neutrino interaction measurements and modeling, through DUNE Near Detector development, and through joint T2K-NOvA oscillation measurements. The successful candidate will have an opportunity to help commission a new Liquid Argon neutrino detector that is a prototype for the DUNE near detector, while also contributing to the T2K and DUNE experiments through work on neutrino interaction modeling or measurements.

The T2K collaboration includes an established Canadian group which has played a major role in the development of the experiment. The group is currently involved in proton beam instrumentation, ongoing data-taking, and physics analysis of the experiment. The successful candidate will be expected to participate in shift-taking and data analysis in the T2K experiment.

Candidates should have a PhD degree in experimental particle physics or a related field within the last five years, (plus any career breaks). Some experience with neutrino physics is desirable, but exceptional candidates from other areas of particle physics will also be considered. Some knowledge of C++ and Root would be advantageous. The successful candidate will primarily be based in Toronto, but travel to Japan and Fermilab will be expected. The position is for two years with a possible extension of a year, starting September 1, 2020 or earlier.

Applications will be accepted until June 1, 2020. We encourage all qualified persons to apply. Interested candidates should send a cover letter, Curriculum Vitae, statement of research interests, and arrange to have at least three letters of reference sent electronically to:

Prof. Deborah Harris  deborahh@yorku.ca

Please send inquiries if you have questions regarding this position.