

T2K Post-Doctoral Research Associate Position in Experimental High Energy Physics York University

The York University high energy physics group has an opening for a postdoctoral research associate to work on the T2K neutrino oscillation experiment. The T2K collaboration includes a large Canadian group involved in the design and construction of the neutrino beam-line, and the TPCs and fine-grained scintillator arrays for the near detector. An essential component is the Optical Transition Radiation (OTR) detector, which will be used to predict the neutrino beam direction by monitoring the primary proton beam. The York T2K group is collaborating with the University of Toronto and TRIUMF on the design, fabrication and installation of the OTR detector, the readout electronics and software for slow-control, and analysis packages to process the data in real time. The successful candidate will be expected to take a leading role in this on-going project. The first neutrino beam is expected in April 2009 and the candidate will also be expected to play a strong role in the T2K physics program.

Candidates should have a recent PhD degree in experimental particle physics. Experience in neutrino physics is desirable, and knowledge of electronics would be advantageous. The successful candidate will primarily be based in Toronto, but travel to Japan and Vancouver will be expected.

The review of applications will begin August 18, 2008 but applications will be accepted until the position is filled. Interested candidates should send a cover letter, Curriculum Vitae, statement of research interests, and arrange to have three letters of reference sent electronically to:

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