Postdoctoral position at York University, Toronto, in Experimental Particle Physics

The York University High Energy Physics group in the Department of Physics and Astronomy invites applications for a postdoctoral position to work on the DUNE experiment hosted by Fermilab. The main role of this position is to provide key support in the development of DUNE computing and take a leading role in analyzing ProtoDUNE data.

A PhD in experimental particle physics (or related field) awarded within the past five years is required (plus any career breaks). The candidate should have a strong background in programming (C++, Python and Linux) and machine learning techniques. Experience with HEP software is preferred.

We are looking for a candidate who will devote a significant fraction of their time to contributing to the DUNE computing group. No prerequisite in neutrino physics is necessary; however this postdoctoral position offers an ideal opportunity to get trained in neutrino physics. Roles with high responsibility and visibility within the protoDUNE and DUNE production team can be achieved within the first months. The candidate can join ongoing efforts in the deployment of machine learning tools for the reconstruction group, and later take a leading role in the analysis of protoDUNE data.

The candidate is also expected to significantly contribute to the design of the training of current and future collaborators (e.g. workshops, tutorials, etc.), connecting with the HEP Software Foundation and expanding this organization by including the specifics and priorities proper to the neutrino community.

The candidate will join the YorkU-DUNE group and be given the opportunity for student supervision.

The successful candidate will be based at York University in Toronto, but occasional travel within Canada, the US, and to Europe is expected. The position is for two years with a possible extension of a year, starting February 1st, 2021 or as soon as possible thereafter. We encourage all qualified persons to apply.

Interested applicants should send by email a CV, a statement of research interests, and arrange to have sent three letters of recommendation to:
Dr. Claire David
claired@yorku.ca

Applications will be evaluated starting November 1st and will be accepted until November 22nd. Feel free to send inquiries regarding this position.