Project Scientist for Particle Detector Characterization

ATLAS Experiment

The high-energy physics group at McGill University invites applications for a scientist position on the ATLAS experiment. The McGill group is contributing to the ATLAS trigger, Muon New Small Wheel upgrade, Liquid Argon calorimeter readout electronics upgrade and data analysis, with particular interests in Standard Model physics, QCD, Higgs measurements and searches for new physics phenomena.

As part of the Muon New Small Wheel upgrade project, we are seeking a candidate to lead the development and operation of a particle detector characterization facility at McGill University for large area gaseous multi-wire chambers. The successful candidate will be based full-time at McGill University, Montréal, Canada. The main responsibilities of the position are:

- Laboratory facility development, operation and safety.
- Supervision of students and technicians working in the laboratory.
- Procurement responsibilities for equipment and consumables.
- Organisation of tasks and resources, project monitoring and improvements.
- Liaison and meetings with collaborating research groups worldwide.

In addition, the successful candidate will have opportunities to participate in ATLAS data analysis and in physics measurements/searches compatible with the group interests.

The applicant should demonstrate strong potential to develop the required skills and to act as an independent researcher. To qualify, the candidate should have received a PhD in Experimental High Energy Physics in the recent years.

Interested applicants should submit a curriculum vitae with a description of research experience and motivations, as well as arrange for three letters of recommendation to be e-mailed to Professor François Corriveau at the address provided below. Applications will be accepted starting immediately until the position is filled. The initial appointment is for two years, renewable once for one year upon mutual agreement.

Applications and e-mail inquiries should be directed to corriveau@physics.mcgill.ca.

All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadians and permanent residents will be given priority.