



McGill

**Department of Physics
McGill University**

Research Associate Position in Experimental Particle Physics

ATLAS Experiment

The high-energy physics group at McGill University invites applications for a postdoctoral research associate position on the ATLAS experiment. We are seeking a candidate who will take on a leadership role in the ATLAS detector Phase-1 upgrade project, and will participate in the analysis of ATLAS data.

As part of the Phase-1 upgrade to the ATLAS detector at the CERN laboratory, large area gaseous multi-wire chambers are being built in Canada, to be fully characterized at McGill University, prior to their shipment to the CERN laboratory in Switzerland. The successful candidate will lead the development and operation of the McGill particle detector characterization facility at McGill University and is expected to take on responsibilities within the international collaboration.

The successful candidate is also expected to contribute to the analysis of ATLAS data in an area compatible with the McGill group interests, which include Standard Model precision measurements involving final states with photons and jets, contributions to the first observation of Higgs production in association with top quarks, and searches for new physics phenomena.

To qualify, the candidate should have received a PhD in Experimental High Energy Physics in recent years. The applicant should also demonstrate strong potential to develop the required technical skills and to act as an independent researcher. The ability to organize, set priorities and obtain results is required. The successful candidate should have excellent communication skills and the ability to work efficiently as a member of a large team. The successful candidate is to be based in Montreal and will report to the Principal Investigator.

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. Salary will be commensurate with the applicant's experience.

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.