Université
de Montréal

January 10, 2020

The Group of Particle Physics of University of Montreal invites applications for a post-doctoral researcher position in the ATLAS group. The position will be based at CERN.

The ATLAS-Montreal group is strongly involved in machine learning applications to the analysis of the LHC data, and is benefitting from the proximity of the renowned Montreal Institute for Learning Algorithms (MILA) for this research. Current fields of application include electron identification and searches for new physics, such as diboson resonances, supersymmetry and general searches using anomaly detection. The ATLAS-Montreal group is also leading the usage of Timepix detectors to measure the radiation field in the ATLAS cavern and the LHC luminosity. The group is also involved in the ATLAS phase 2 tracker upgrade (ITk).

The successful candidate will be expected to play a leading role in one or several aspects of the research program described above, as well as to contribute to the operation of ATLAS at CERN. No prior knowledge in machine learning is required.

Applicants must have a recent Ph.D. in particle physics, or equivalent experience, and demonstrate the ability to work in a research environment and to prepare research results for publication and presentation at scientific meetings. The appointment is for a period of three years, with a possibility to be renewed, and is expected to be based at CERN.

The candidate should send a CV, a brief description of research experience and interests, a list of publications, and arrange to have three letters of recommendation sent to:

Professor Jean-François Arguin (arguin@lps.umontreal.ca)

Applications received by March 1, 2020 will receive full consideration. The position will remain open until filled. All qualified candidates are encouraged to apply; however, in accordance with Canadian Immigration requirements, Canadians and permanent residents will be given priority in case of equal qualification.