Université de Montréal

January 15, 2021

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

The ATLAS-Montreal group is strongly involved in machine learning applications to the analysis of the LHC data. 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), such as the design and construction of the interlock system.

The successful candidate will be expected to play a leading role in one or several aspects of the research program described above. No prior knowledge in machine learning is required.

Applicants must have a recent Ph.D. in particle physics (three years or less), or equivalent experience, and have demonstrated the potential for outstanding achievements as an independent researcher in physics. The appointment is for a period of three years, with a possibility to be renewed. The position will be based in Montreal with funding available for several trips to CERN per year.

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 (jean-francois.arguin@umontreal.ca)

Applications received by March 15, 2021 will receive full consideration. The position will remain open until filled.