



## **ATLAS Postdoctoral Fellow with Carleton University at CERN** (April 2021)

The Carleton University Particle Physics Group in Ottawa, Canada, invites applications for a postdoctoral fellow position on the ATLAS experiment at the CERN LHC. The Carleton ATLAS group currently consists of six faculty members: Alain Bellerive, Dag Gillberg, Kevin Graham, Jesse Heilman, Thomas Koffas, and Manuella Vinciter. The group typically has four postdoctoral fellows and approximately ten graduate students.

The Carleton ATLAS group was responsible for the construction of two forward calorimeter modules of the FCal and, more recently, for the assembly of the Small-strip Thin Gap Chambers for the muon spectrometer. Currently, the Carleton group is participating in the commissioning of the muon detector New Small Wheel (NSW) effort, as well as in the construction of the inner tracker (ITk project) through contributions to the radiation-hard thin Si sensors and the readout electronics of the microstrip system. The Carleton group contributes to the physics exploration at the LHC, working on Standard Model analyses, emerging jet studies and Higgs physics. For more information about the ATLAS experiment, go to <https://atlas.cern/>.

We are interested in candidates who hold a Ph.D. degree in experimental particle physics and wish to take a leading role in the operation of the ATLAS experiment in an area such as e/gamma performance, muon software and simulation, tracking and reconstruction, particle flow algorithm and jets, NSW DQ monitoring, ITk deployment, detector commissioning or in-situ performance. The successful candidate is also expected to take part in physics analyses compatible with our research program and to help with the supervision of our students. The position is to be located at CERN where the candidate would act as our CERN-based liaison to the ongoing Carleton efforts. We seek a candidate willing to work 50% on physics analyses and 50% on detector/performance activities enumerated above.

The candidate should send by email a CV, a statement of research interests, and arrange to send three letters of recommendation to:

Professor Alain Bellerive  
Email: [alainb@physics.carleton.ca](mailto:alainb@physics.carleton.ca)

We are committed to fostering diversity within our community as a source of excellence, cultural enrichment and social strength. We are active in advancing Equity, Diversity, and Inclusion (EDI) within our research group and beyond, and we encourage applications from individuals committed to advancing EDI. All qualified persons are encouraged to apply. We will consider applications as soon as they are complete and expect to make an appointment during spring 2021.