



ATLAS Postdoctoral Fellow with Carleton University

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 Vincter. The group typically has five postdoctoral fellows and approximately fourteen 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/γ 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 could be located at CERN or Carleton University in Ottawa, Canada.** 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

Further group details can be found here: <https://atlas.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. **Review of applications will begin on May 1st 2023 and will continue until the position is filled.**