



## **ATLAS Postdoctoral Position with Carleton University, Ottawa**

The Carleton University Particle Physics Group in Ottawa, Canada invites applications for a postdoctoral position on the ATLAS Experiment at the Large Hadron Collider (LHC). The Carleton ATLAS group currently consists of seven faculty members: Alain Bellerive, Dag Gillberg, Kevin Graham, Jesse Heilman, Thomas Koffas, Gerald Oakham, and Manuella Vincter, as well as three postdoctoral fellows and eight graduate students.

The Carleton ATLAS group was responsible for the construction of two forward calorimeter modules for the ATLAS detector at the CERN LHC. Currently, the Carleton group has a major role in the construction and assembly of the small-strip Thin Gap Chambers (sTGC) as part of the muon detector New Small Wheel (NSW) Phase-I upgrade. The group is also taking on significant responsibilities in the construction of the endcap inner tracker strip detector (ITk) as part of the Phase-II upgrade. We are also active in photon, electron, muon, and jet combined performance. The Carleton group contributes to the physics exploration at the LHC, working on Standard Model studies, Higgs physics and Beyond Standard Model Dark Matter searches.

We are looking for a candidate to work on the NSW project. We are seeking a candidate who holds a Ph.D. degree in experimental particle physics who has demonstrated experience and aptitude in detector construction, particularly with the detector technologies relevant to the NSW upgrade project, and who has a track record of leading contributions to physics analyses. For this project, the candidate will actively contribute to the assembly of the sTGCs and to the commissioning of the detector. The successful applicant will spend approximately half of his/her time working on the upgrade project and the remaining time on combined performance studies and leading physics analyses based on ATLAS Run-2 and Run-3 data, where the team has strong commitments and interests. The candidate will also be expected to help with the supervision of our students. The positions will be based at Carleton University, with frequent travel to CERN.

Candidates should send by email a CV, a statement of research interests, and arrange to have three letters of recommendation sent to:

Professor Alain Bellerive  
Department of Physics, Carleton University  
Tel (at Carleton): +1 613 520-2600 ext. 7537  
Email: [alainb@physics.carleton.ca](mailto:alainb@physics.carleton.ca)

We will consider applications as soon as they are complete and expect to make the appointment this winter. Carleton University is committed to fostering diversity within its community as a source of excellence, cultural enrichment, and social strength. We encourage all qualified persons to apply.