

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. 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, three postdoctoral fellows, and seven graduate students as of this fall.

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 major roles in the construction and assembly of the small Thin Gap Chambers (sTGC) as part of the muon detector New Small Wheel (NSW) Phase-I upgrade and in the construction of the endcap inner tracker strip detector (ITk) as part of the Phase-II upgrade. We are also active in electron, muon, and jet combined performance, as well as in optimization of the global particle flow reconstruction technique. The Carleton group contributes to the physics exploitation at the LHC, working on Standard Model studies and Higgs physics. For more information on our group please see our web page:

<http://www.physics.carleton.ca/atlas>

We are looking for a candidate who holds a Ph.D. degree in experimental particle physics to take up a leadership role on the ITk strip detector construction project with emphasis on evaluating the performance of the thin silicon strip sensors, as well as of dedicated irradiated samples and test structures. The candidate will also be expected to contribute to physics analysis and/or combined performance studies in collaboration with other members of the Carleton-ATLAS group. An approximately equal split in time commitment is expected between these two topics (ITk and analysis/combined performance). The applicant should have demonstrated experience in detector R&D and/or construction and have contributed to physics analyses. Previous experience or work on ITk, in particular on the sensor R&D, will be considered an asset. The candidate will be given the opportunity to help with the supervision of our students. The appointment is for two years, with a possible one-year extension subject to availability of funds and upon satisfactory performance. The position is based at Carleton University, with frequent travel to CERN and other ITk collaborating institutions.

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

Professor Manuella Vincter
Tel: +1 613 520 2600 x1567

Email: vincter@physics.carleton.ca

We will consider applications as soon as they are complete and expect to make an appointment starting in spring 2019. We encourage all qualified persons to apply.