



Carleton

UNIVERSITY

Academic Unit:	Department of Physics
Category of Appointment:	Preliminary (Tenure-track)
Field of Specialization:	Experimental High-Energy Physics
Rank/Position Title:	Assistant Professor
Start Date:	July 1, 2018
Closing Date:	Applications will be reviewed starting March 15, 2018

About the Position:

The Department of Physics invites applications from qualified candidates for a tenure-track appointment in experimental high-energy physics at the rank of Assistant Professor, beginning July 1, 2018. The candidate will be expected to perform particle-physics research at one of the leading scientific endeavors in subatomic physics, the ATLAS Experiment at the CERN Large Hadron Collider (LHC), and in an area for which Carleton University is recognised as a world expert: the design, construction, and commissioning of gaseous particle detectors.

We welcome applications from outstanding scientists who have demonstrated research creativity and have the ability to attract co-workers and students. We seek a candidate with a strong emerging research focus in experimental high-energy physics who can work closely with the current members of our particle-physics group. The initial research program associated with this faculty position is primarily focused on participation in the ATLAS New Small Wheel (NSW) project, an endeavor where Carleton is playing a leading role. More specifically, the current effort centers on the deployment of small-strip thin gap chambers (STGC). The successful candidate is expected to have demonstrated expertise germane to this project, in the area of gaseous detector instrumentation and assembly.

About the Academic Unit:

The Department of Physics at Carleton University offers a complete set of undergraduate B.Sc. Honours programs in Physics including degrees in Applied Physics and in Physics with the choice of Experimental, Theory, or Astrophysics streams as well as joint-degree programs in conjunction with the School of Mathematics and the Chemistry and Biology departments. The physics academic programs are coupled with outstanding research expertise in particle physics. The experimental program at Carleton includes significant roles in the ATLAS collaboration at the LHC, the EXO experiment searching for neutrinoless double beta decay, the DEAP dark matter search experiment at SNOLAB, and detector development for ATLAS, SNOLAB, and the International Linear Collider experiment. The Carleton theory group's interests are primarily in particle physics phenomenology, including electroweak and Beyond the Standard Model physics and in particle astrophysics. There is a strong and mutually beneficial interaction between the theory and experimental groups. The Department also has an active medical physics research group with comprehensive links to Ottawa's medical physics community.

Qualifications:

The position requires a Ph.D. with evidence of an excellent track record in experimental particle physics research. Applicants must be committed to effective teaching at the undergraduate and graduate levels. The successful candidate will be expected to develop a strong externally-funded research program, supervise students, develop and teach undergraduate and graduate courses, and contribute effectively to the academic life of the Department of Physics.

Application Instructions:

Applications must be sent electronically to karina.auclair@carleton.ca in one single PDF file which includes a curriculum vitae and a statement of their research and teaching interests. Candidates should also arrange for letters from three referees to be sent to: Karina Auclair, Administrator, Department of Physics at karina.auclair@carleton.ca.

Please indicate in your application if you are a Canadian citizen or permanent resident of Canada.

For further information on the position, please see <http://physics.carleton.ca/> or contact: Professor Alain Bellerive, Chair, Department of Physics, Carleton University, tel. +1 (613) 520-2600 x7537, E-mail physchair@physics.carleton.ca

About Carleton University:

Carleton University is a dynamic and innovative research and teaching institution with a national and international reputation as a leader in collaborative teaching and learning, research and governance. To learn more about our university and the City of Ottawa, please visit carleton.ca/provost.

Carleton University is committed to fostering diversity within its community as a source of excellence, cultural enrichment, and social strength. We welcome those who would contribute to the further diversification of our university including, but not limited to: women; visible minorities; First Nations, Inuit and Métis peoples; persons with disabilities; and persons of any sexual orientation, gender identity and/or expression. Carleton understands that career paths vary. Legitimate career interruptions will in no way prejudice the assessment process and their impact will be taken into careful consideration.

Applicants selected for an interview are asked to contact the Chair as soon as possible to discuss any accommodation requirements. Arrangements will be made in a timely manner.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. All positions are subject to budgetary approval.