

Field of Specialization:	Theoretical Particle Astrophysics
Academic Unit:	Physics
Category of Appointment:	Preliminary (Tenure-Track)
Rank/Position Title:	Assistant Professor
Start Date:	July 1, 2019
Closing Date:	Applications will be reviewed starting December 15, 2018

About the Position:

The Department of Physics invites applications from qualified candidates for a Tenure-track appointment in Theoretical Particle Astrophysics beginning July 1, 2019. We are seeking a candidate at the rank of Assistant Professor, but exceptional senior candidates will be considered.

We invite applications from outstanding scientists who have demonstrated research creativity and have the ability to attract excellent co-workers and students. We seek a candidate with research expertise in theoretical particle astrophysics with a research program that aligns with the vision and goals of the Arthur B. McDonald Canadian Astroparticle Physics Research Institute (<https://mcdonaldinstitute.ca/>) recently established by the Canada First Research Excellence Fund. The candidate will also be expected to interact closely with the existing Carleton group in theoretical particle physics (www.physics.carleton.ca/theory) and with the Carleton Astroparticle Physics Experiments Group (www.physics.carleton.ca/apex). The successful candidate will be expected to develop a world-class externally-funded research program as part of the McDonald Institute, supervise students and be committed to excellence in teaching.

About the Academic Unit:

The Carleton University Physics Department (<http://physics.carleton.ca>) has a strong particle physics research program. The Carleton theory group consists of Profs. Bruce Campbell, Thomas Gregoire, Stephen Godfrey, Heather Logan and Daniel Stolarski. The Carleton Theory group's interests are primarily in particle physics phenomenology, including electroweak and Beyond the Standard Model physics and in dark matter physics. The Astroparticle Experiments Group composed of Profs. Mark Boulay, Razvan Gornea and Simon Viel is developing an internationally recognized centre of expertise in the development and exploitation of cryogenic noble liquid detectors for dark matter and neutrinoless double beta decay. It plays significant and leadership roles in the DEAP-3600 dark matter search experiment at SNOLAB and the EXO experiment searching for neutrinoless double beta decay. The collider group has five faculty members and has important responsibilities in data analysis and detector development for the ATLAS collaboration and the International Linear Collider experiment. 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:

Applicants for this position must possess a Ph.D. and have established an excellent track record in theoretical particle astrophysics. The successful candidate must demonstrate potential for excellence in teaching and possess a strong commitment to research, as reflected in their publication record. The successful candidate will have the ability to develop an externally-funded, high quality research program; will be committed to effective teaching at the undergraduate and graduate level; and will contribute effectively to the academic life of the Department of Physics at Carleton University.

Application Instructions:

Applications will be reviewed starting December 15, 2018 and will be accepted until the position is filled. Candidates should send a curriculum vitae and a statement of their research and teaching interests in one single PDF file, and should arrange for letters from three referees to be sent to:

Joanne Martin, Administrator, Department of Physics, Carleton University

E-mail: jmartin@physics.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 contact: Professor Alain Bellerive, Chair, Department of Physics, Carleton University, tel. (613) 520-7537, email 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 www.carleton.ca/about.

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.