

Canada Research Chair in Theoretical Particle Astrophysics

The Department of Physics, Engineering Physics and Astronomy at Queen's University and the Perimeter Institute for Theoretical Physics invite applications for a Tier 1 Canada Research Chair (CRC) in Theoretical Particle Astrophysics. The candidate will hold a joint appointment as a Professor at Queen's and as an Associate Faculty member at Perimeter. The Department and Perimeter are seeking an established physicist with an international reputation for research excellence in theoretical particle astrophysics and a demonstrated record of exemplary teaching. The successful candidate will be expected to spend significant amounts of time at both locations, and will have a correspondingly reduced teaching load. For more information on the CRC program see: www.chairs-chaieres.gc.ca.

The successful candidate will have the opportunity to work closely with researchers at the world-leading SNOLAB underground research facility (www.snolab.ca), which is engaged in frontier research work in the field of particle astrophysics. Faculty members in the current Queen's Particle Astrophysics group (sno.phy.queensu.ca/group/) were extensively involved in the very successful Sudbury Neutrino Observatory (SNO) experiment and in the establishment of SNOLAB. They are also leading members of the PICASSO/PICO, DEAP-3600, and SuperCDMS dark matter experiments, and the SNO+ experiment studying neutrino-less double beta decay and solar, geo and supernova neutrinos. Queen's has recently hired a new experimentalist in particle astrophysics as a Canada Excellence Research Chair, and is also looking for an additional tenure track experimentalist in this area. There are also close interactions with Queen's faculty conducting research in observational astronomy, astrophysics, and theoretical cosmology.

Perimeter Institute is a rapidly growing independent centre for fundamental research in theoretical physics. The Institute offers an exceptional research environment and is currently staffed with 37 full-time and part-time faculty members, 40 Distinguished Visiting Research Chairs, 55 Postdoctoral Researchers, 51 PhD students, and 31 Master's students participating in the Perimeter Scholars International program; in addition, Perimeter hosts hundreds of visitors and conference participants throughout the academic year. Particle physics represents both a lively area of research at Perimeter Institute and an area of rapid growth. Perimeter faculty have a history of both innovative theory and a close connection to experiment, from precision atomic physics to dark matter and the LHC. Perimeter also has active ties to the local ATLAS groups at the University of Toronto and York University, to TRIUMF, and to other ATLAS and CMS groups worldwide. For more information please visit the website at: www.perimeterinstitute.ca.

Queen's University is one of Canada's leading research-intensive universities. The Department of Physics, Engineering Physics and Astronomy at Queen's University has 28 Faculty working in the areas of astronomy and astrophysics, condensed matter physics and optics, engineering physics, and particle astrophysics. We are located in historic Kingston on the shores of Lake Ontario with world-class windsurfing and sailing on our doorstep. Kingston has been ranked as one of the best places to live in Canada. For more information please visit the Department website at: <http://www.queensu.ca/physics/>.

Queen's and Perimeter invite applications from all qualified individuals. Both institutions are committed to employment equity and diversity in the workplace and welcome applications from women, visible minorities, Aboriginal people, persons with disabilities, and persons of any sexual orientation or gender identity. All qualified candidates are encouraged to apply, however, in accordance with Canadian Immigration requirements, Canadian citizens and Permanent Residents of Canada will be given priority.

Please submit a detailed curriculum vitae, a statement of research and teaching interests, and the names of three referees, including their contact information, online at:

<https://www.perimeterinstitute.ca/applications/334>.

The review of applications will begin February 15, 2015 and continue until a successful candidate is found. We thank all applicants for their consideration: only those selected for interview will be contacted by a member of the hiring committee.

The University will provide support in its recruitment processes to applicants with disabilities, including accommodation that takes into account an applicant's accessibility needs. If you require accommodation during the interview process, please contact: Melissa Balson in the Department of Physics, Engineering Physics and Astronomy, at mbalson@physics.queensu.ca; phone: 613-533-2706.

Additional information about Queen's University, which may be of interest to prospective faculty members, can be found at <http://www.queensu.ca/facultyrecruitment>.

Academic staff at Queen's University are governed by a *Collective Agreement* between Queen's University Faculty Association (QUFA) and the University, which is posted at <http://www.queensu.ca/provost/faculty/facultyrelations/qufa/collectiveagreement.html>.