Assistant Professor in Subatomic Physics
Department of Physics and Astronomy
Faculty of Science
Position # 30036
University of Manitoba
Winnipeg, Manitoba, Canada

The Department of Physics and Astronomy invites applications for a full-time, tenure-track position at the Assistant Professor rank, commencing July 1, 2022, or on a date mutually agreed upon. Outstanding candidates at the rank of Associate Professor or Professor may also be considered for a tenure-track or tenured position. Rank and salary will be commensurate with experience and qualifications.

Preference will be given to candidates with expertise in any area of Nuclear and Particle Physics who will complement the Department's strengths. These strengths include, but are not limited to, fundamental symmetry tests and searches for new physics beyond the Standard Model. The Department seeks a scholar with a Ph.D. and relevant postdoctoral experience in Nuclear or Particle Physics. Duties will include undergraduate teaching, graduate teaching and supervision, research and service-related activities. The successful candidate will have a track record of high-quality research contributions and peer assessed publications; potential to establish an independent, externally funded research program; and the ability to work in a collaborative environment. Experience in teaching and/or mentoring will be considered a plus.

The subatomic physics group at the University of Manitoba has a long history of leadership roles in nuclear and particle physics laboratories around the world, including in Canada, the USA, Japan, and Germany. The current efforts in the group include the MOLLER experiment at Jefferson Laboratory, the P2 experiment at the MAMI facility in Mainz, Germany, R&D work for ChiralBelle at SuperKEKb and the Electron-Ion-Collider, the Francium Experiment and the Ultra-Cold neutron experiment (TUCAN) at TRIUMF, as well as the precision neutron beta-decay experiment Nab, at Oak Ridge National Laboratory. The Jefferson Lab group has recently obtained a combined $4M grant from the Canadian Foundation for Innovation and Research Manitoba to build a major portion of the detectors for the MOLLER experiment and we seek to strengthen this effort, while expanding our involvement in the other efforts above and welcoming new impulses and directions.

The Department currently has 22 full time tenured and tenure track faculty members and 2 Instructors, and offers a full range of both undergraduate and graduate programs in Subatomic Physics, Condensed Matter Physics, Astronomy and Astrophysics and Biological and Medical Physics. Research groups in the Department are well established and equipped, with additional support provided by strong research links with other University of Manitoba units including Electrical and Computer Engineering, Biological Sciences and the Manitoba Institute for Materials. High performance computing clusters exist in-house, and additional facilities are available through Compute Canada. Further information about the Department can be obtained from www.physics.umanitoba.ca.

Winnipeg is a metropolitan area with a population approaching one million. The city has a rich cultural environment, including symphony, opera, dance, theatre, and ethnic festivals. The

region provides ample opportunities for outdoor recreation in all seasons. Learn more about Winnipeg at https://www.travelmanitoba.com/.
The University of Manitoba is strongly committed to equity and diversity within its community and especially welcomes applications from women, racialized persons, Indigenous peoples, persons with disabilities, persons of all sexual and gender identities, and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

If you require accommodation supports during the recruitment process, please contact UM.Accommodation@umanitoba.ca or 204-474-7195. Please note this contact information is for accommodation reasons only.

We particularly hope to enhance the diversity of our department and create role models for a diverse population of students.

Applications including a cover letter, curriculum vitae, a description of teaching philosophy, a summary of research interests and contributions, a summary of planned research activities, and contact information for three references should be sent to pos30036@physics.umanitoba.ca in a single pdf. Please ensure to specify position number 30036 in the application. Review of applications will begin August 1, 2021**,** and continue until the position is filled.

Application materials, including letters of reference, will be handled in accordance with the Freedom of Information and Protection of Privacy Act. Please note that curricula vitae may be provided to participating members of the search process.