

Assistant Professor in Experimental Nuclear Physics
Department of Physics
College of Engineering and Physical Sciences
University of Guelph
Requisition 1463

The Department of Physics at the University of Guelph invites applications for a faculty position in experimental nuclear physics at the Assistant Professor level. This is a tenure-track faculty position at the University of Guelph that will be jointly funded for the initial six-year period by TRIUMF, Canada's national particle accelerator centre. We are specifically looking for candidates who will complement and reinforce the University of Guelph's strong experimental research programs in low-energy nuclear physics, which revolve around major Guelph-led gamma-ray spectrometers at TRIUMF's Isotope Separator and Accelerator (ISAC) facility and the new Advanced Rare Isotope Laboratory (ARIEL) at TRIUMF. All areas of experimental nuclear physics will be considered, but preference will be given to the following: nuclear structure, nuclear astrophysics, and low-energy fundamental symmetry tests with radioactive ion beams. The successful candidate is expected to establish a vigorous externally-funded research program at TRIUMF's ISAC/ARIEL facilities. The anticipated start date for this appointment is a mutually agreed-upon date in 2025.

The Department of Physics currently has 17 faculty members and offers strong undergraduate and graduate programs to the Ph.D. level. The graduate and research programs are enhanced by participation in the Graduate Studies in Physics (GSP) program, operated jointly by the University of Guelph and the University of Waterloo, and the Biophysics Interdepartmental Group (BIG). Guelph faculty members collaborate at many off-campus research facilities including the Canadian Light Source, Perimeter Institute for Theoretical Physics, and TRIUMF. Experimental and theoretical research areas include astrophysics and gravitation, biophysics and medical physics, condensed matter physics and material nanoscience, physics education research, planetary surface exploration, and nuclear and subatomic physics. Additional information about the Department is available at www.physics.uoguelph.ca, while information about TRIUMF is available at www.triumf.ca.

Qualifications:

- Ph.D. in experimental nuclear physics or a closely related field, postdoctoral experience, and will have demonstrated exceptional strength in independent research.
- Proven ability or demonstrated potential for teaching and will take part in the Department's teaching programs at both graduate and undergraduate levels.
 - Please note that during the first six years of the appointment, the successful candidate will have reduced teaching assignments in order to accelerate the establishment of a vigorous research program at the ISAC/ARIEL facilities.

The University of Guelph resides on the traditional lands and territory of the Anishinaabeg, Haudenosaunee and Huron Wendat. These lands are now home to a rich diversity of First Nations, Inuit and Métis people. We offer our respect and gratitude to our Indigenous

neighbours and affirm our responsibility to realize our commitments to reconciliation through ongoing action. We are guided in this work by [Bi-Naagward | It Comes into View](#), the Indigenous Initiatives Strategy.

The University of Guelph is the third largest employer in Guelph, a city of over 144,000 people, located about an hour drive west of Toronto, Ontario. University of Guelph is a top-ranked comprehensive university in Canada with an enrolment of more than 30,000 undergraduate and graduate students across more than 40 academic units. The University is known for its commitment to student learning, innovative research, and collaboration with world-class partners. It is a unique place, with transformative research and teaching and a distinctive campus culture. People who learn and work here are shaped and inspired by a shared purpose: To Improve Life. Reflecting that shared purpose in every experience connected to our university positions us to create positive change, here and around the world. Our University community shares a profound sense of social responsibility, a drive for international development, and an obligation to address global issues.

Application Process:

If you are a current employee of the University of Guelph you must apply on the internal Career Page to be considered as an internal applicant.

Assessment of applications will begin on **August 1, 2025** and continue until the position is filled. Interested applicants should create an account on <https://careers.uoguelph.ca/> and apply for the advertised faculty position (**Requisition ID #1463**) by submitting the following materials (in an integrated Single PDF file uploaded to cv):

1. Cover letter (1 page):
 - Describe your background and interest in the position.
2. A curriculum vitae.
3. Proposed research program (4 pages max):
 - Detail specific area of expertise, describing contributions to the field.
 - Present a vision of the short and long-term goals of your scholarship/research activities.
 - Provide a detailed plan for future independent research program and how this program might be leveraged to obtain extramural funding.
 - Indicate how your research program will synergize with the Department and TRIUMF's research environment.
4. Teaching statement (2 pages max):
 - Describe an overall teaching philosophy.
 - Describe all previous formal and informal education training and experience and any experiences with experiential/work-integrated learning.

- Describe potential teaching contributions to the department.
5. Diversity statement (1 page max):
- Describe your history of advocacy and commitment to equity, diversity and inclusion in teaching, scholarship/research and mentorship.
 - Describe strategies to ensure your scholarship/research, teaching, and mentorship activities will provide equitable opportunities for students from diverse equity-seeking groups and foster a welcoming and inclusive environment in your research group, classroom and department activities
6. Contact information of three references.
- Shortlisted applicants will be required to arrange for three confidential letters of reference to be sent to a separate address

Applications should be addressed to:

Dr. Stefan Kycia
Department of Physics
College of Engineering and Physical Sciences
University of Guelph
Guelph, ON N1G 2W1

Questions about the position and/or application process may be addressed to Rachel Baker, Administrative Officer, physadmin@uoguelph.ca. Only applications made through the official University of Guelph career page will be considered.

APPLY ONLINE – Assistant Professor in Experimental Nuclear Physics

This position is represented by the University of Guelph Faculty Association ([UGFA](#)).

The University of Guelph commits to fostering inclusive excellence through promoting Indigenization, equity, diversity, inclusion, and accessibility. Inclusion is a core pillar of [Our Time](#), our strategic plan, which pledges to “transform our human resources, governance and student services and practices across the University to enable us to recruit a diverse student, faculty and staff body and support them in achieving their personal, professional and scholarly goals.” The University commits to creating and maintaining “equitable work environments that empower us in our pursuit of student, faculty and staff success, research excellence, innovation and impact.”

The University of Guelph invites applications from all qualified individuals; however, Canadians and permanent residents will be given priority. We strongly welcome and encourage applications from members of designated groups in employment, including Indigenous persons, persons with disabilities, racialized persons, women, and 2SLGBTQIA+ persons.

The University of Guelph recognizes that career paths can be diverse and career interruptions may occur. We encourage applicants to note in their applications whether they would like considerations given to the impact of any circumstances, such as (but not limited to) those due to health and/or family reasons, that may have affected an applicant's record of achievement. You are not required to disclose these circumstances in the hiring process. If you choose to do so, the University will ensure that these circumstances do not negatively impact the assessment of your qualifications for the position.

The University of Guelph is committed to ensuring all applicants have fair and equitable participation in the hiring process. If you anticipate needing medical accommodations during the recruitment or selection processes, confidential assistance is available on request by contacting Occupational Health and Wellness at 519-824-4120 x52674. If you have any questions regarding medical accommodations or accessibility during the hiring process or for more information and support, please visit the University's [Occupational Health and Wellness](#) or contact OHW at ohw@uoguelph.ca.