

Assistant Professor – Theoretical High Energy Physics

The Department of Physics in the Faculty of Arts & Science at the University of Toronto invites applications for a full-time tenure stream position in the area of Theoretical High Energy Physics. The appointment will be at the rank of Assistant Professor, with an expected start date of July 1, 2024, or shortly thereafter.

Applicants must have earned a PhD degree in Physics or a related field by the time of appointment, or shortly thereafter, with a demonstrated record of excellence in research and teaching in Theoretical High Energy Physics.

We seek candidates with the demonstrated ability to build a strong independent research program in theoretical particle physics phenomenology. In this general area, we are especially interested in attracting candidates with a focus on beyond-Standard-Model phenomenology and the interface with astrophysics and cosmology, who can demonstrate the leadership and versatility required to drive interdisciplinary collaborations that take advantage of new experimental, observational and theoretical opportunities in particle physics, astrophysics, cosmology and related fields. We also seek candidates whose research and teaching interests complement the existing strengths of the Theoretical High Energy Physics (THEP) and Experimental High Energy Physics (EHEP) research clusters in the Department of Physics (see <https://www.physics.utoronto.ca/research/theoretical-high-energy-physics/> and <https://www.physics.utoronto.ca/research/experimental-particle-physics/>).

The successful candidate will be expected to pursue independent and innovative research at the highest international level and to establish an outstanding, internationally competitive, and externally funded research program; to actively engage in undergraduate and graduate teaching; and to contribute to the enrichment of undergraduate and graduate programs. Candidates are also expected to show evidence of a commitment to equity, diversity, inclusion, and the promotion of a respectful and collegial learning and working environment demonstrated through the application materials.

Candidates must provide evidence of research excellence, indicative of a developing research program that is at the highest international level, as demonstrated by publications in top-ranked and field-relevant academic journals or forthcoming publications meeting high international standards, a forward-looking research statement, presentations at significant conferences, awards and accolades, and strong letters of endorsement from referees of high standing.

Evidence of excellence in teaching will be demonstrated through teaching accomplishments as described in the teaching dossier, including a statement of teaching philosophy, sample course materials, and teaching evaluations or evidence of superior performance in teaching-related activities submitted with the application, and strong letters of reference. Other teaching-related activities may include experience as a teaching assistant, experience in curriculum development, participation in delivering successful workshops or seminars, student mentorship, or publications and/or presentations related to pedagogical innovation.

Salary will be commensurate with qualifications and experience.

The successful candidate will complement and have the opportunity to collaborate with the vibrant research groups in the [Department of Physics](#). Their disciplinary interests would form natural collaborative connections to work going on within the THEP and EHEP clusters and across the three campuses of the University in quantum chromodynamics and Standard Model phenomenology; non-perturbative field theory; string theory and quantum gravity; physics beyond the Standard Model, and its signatures in cosmology and astrophysics; and the ATLAS, SuperCDMS, DUNE, and T2K experiments. The research setting of this program at the University of Toronto is further enriched by the existence of the [Canadian Institute for Theoretical Astrophysics](#), the [David A. Dunlap Department of Astronomy & Astrophysics](#), the [Dunlap Institute for Astronomy and Astrophysics](#), and the

nearby [Perimeter Institute](#). Computational facilities include [SciNet](#), the most powerful university-based facility in Canada.

All qualified candidates are invited to apply by clicking on the link below:

<https://jobs.utoronto.ca/job/Toronto-Assistant-Professor-Theoretical-High-Energy-Physics-ON/574653017/>

Applicants must submit a cover letter; a current curriculum vitae; a research statement outlining current and future research interests; two recent research publications or forthcoming publications; and a teaching dossier to include a teaching statement that describes teaching philosophy and teaching experience, sample course materials, and teaching evaluations or evidence of superior performance in relevant teaching-related activities as listed above. We seek candidates who value diversity and whose research, teaching and service bear out our commitment to equity. Candidates are therefore also asked to submit a 1-2 page statement of contributions to equity and diversity, which might cover topics such as (but not limited to): research or teaching that incorporates a focus on underrepresented communities, the development of inclusive pedagogies, or the mentoring of students from underrepresented groups.

Applicants must provide the name and contact information of three references. The University of Toronto's recruiting tool will automatically solicit and collect letters of reference from each once an application is submitted. Applicants remain responsible for ensuring that references submit letters (on letterhead, dated and signed) by the closing date. More details on the automatic reference letter collection, including timelines, are available in the [candidate FAQ](#).

Submission guidelines can be found at <http://uoft.me/how-to-apply>. Your CV and cover letter should be uploaded into the dedicated fields. Please combine additional application materials into one or two files in PDF format. If you have questions about this position, please contact Mr. Chris McGugan at chairsec@physics.utoronto.ca.

All application materials, including reference letters, must be received by **November 30, 2023 at 11:59pm**.

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

Diversity Statement

The University of Toronto embraces Diversity and is building a culture of belonging that increases our capacity to effectively address and serve the interests of our global community. We strongly encourage applications from Indigenous Peoples, Black and racialized persons, women, persons with disabilities, and people of diverse sexual and gender identities. We value applicants who have demonstrated a commitment to equity, diversity and inclusion and recognize that diverse perspectives, experiences, and expertise are essential to strengthening our academic mission.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see <http://uoft.me/UP>.

Accessibility Statement

The University strives to be an equitable and inclusive community, and proactively seeks to increase diversity among its community members. Our values regarding equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission.

The University is committed to the principles of the Accessibility for Ontarians with Disabilities Act (AODA). As such, we strive to make our recruitment, assessment and selection processes as accessible as possible and provide accommodations as required for applicants with disabilities.

If you require any accommodations at any point during the application and hiring process, please contact uoft.careers@utoronto.ca.