

Become an Assistant Professor of Experimental Particle Physics.

Vibrant, multidisciplinary and innovative, the [Faculty of Arts and Science](#) is one of Université de Montréal's largest faculties. Through its 28 departments, schools, centres and one institute, it offers over 300 undergraduate and graduate programs, some of which are unique in Quebec. It is also home to some 30 interdisciplinary research centres and groups. Every day, its 650 faculty members are helping shape a better tomorrow by advancing knowledge and encouraging the convergence of perspectives.

The Department of Physics is among the most dynamic in Canada, featuring internationally renowned researchers conducting cutting-edge research across the principal fields of contemporary physics, including eleven research chairs (<https://phys.umontreal.ca/accueil/>).

The Particle Physics Group (GPP) contributes to major international experiments, notably ATLAS, PICO, SuperCDMS, SENSEI et OSCURA, and relies on the Laboratoire Technologique Avancé (LTA): world-class electronics and data acquisition capabilities, a renowned instrumentation machine shop, and specialized ion-beam facilities. The GPP also includes a strong theoretical particle physics team. The Université de Montréal further benefits from an exceptional AI ecosystem, including Mila - Quebec AI Institute, and powerful computing resources.

We are seeking a candidate who will establish a world-class research program on the ATLAS experiment at the Large Hadron Collider (LHC) at CERN. The Université de Montréal is a founding member of ATLAS. It has recently contributed to the design and production of the upcoming ITk tracker, to electron identification and charged-particle tracking, to top-quark physics, and to searches for new physics. A successful candidate whose research focuses on artificial intelligence may also be considered for an [IVADO](#) professorship (a research, training, and knowledge mobilization consortium in AI), which offers enhanced start-up conditions.

Day-to-day responsibilities

Through your undergraduate and graduate-level teaching, and your research activities, you will contribute to the faculty's pursuit of excellence. Furthermore, you will promote your discipline and actively participate in the daily activities of a renowned institution. As such, you will:

- Develop an independent, innovative, and competitive research program in experimental particle physics (including funding, supervision, and dissemination).
- Teach and supervise undergraduate and graduate students;
- Contribute to ATLAS scientific activities (analysis, operations, upgrades) and to the group's national and international visibility;
- Contribute to the effective functioning and development of the Department of Physics, the Faculty of Arts and Sciences, and the institution through service on committees and working groups.

Qualifications

- Hold a Ph.D. in physics or a related field.
- Present an outstanding research record, demonstrated by the impact and quality of publications, leadership in research projects, and international recognition.
- Demonstrate strong potential for impactful research within the ATLAS experiment at the LHC, supported by a clear vision for an independent and feasible research program at the Université de Montréal, as well as the potential to collaborate effectively within the department.
- Demonstrate the ability to provide high-quality university teaching and supervision of students at all levels (bachelor's, master's, and doctoral).
- Demonstrate experience and/or interest in scientific and educational outreach, service to the academic community, and/or in equity, diversity, and inclusion (EDI).
- Have adequate proficiency of the French language **or** be committed to learning it once hired, through the Université de Montréal's French language support program, in accordance with the [Université de Montréal language policy](#).

Additional information about the position

- Competitive salary and a comprehensive range of benefits
- Expected start date: June 1st 2026
- Located at the MIL Science campus

How to submit your application

Submit your application through our online recruitment system (click on the “Apply for job” button) before XX XX 20XX. Your application must include the following documents:

- A cover letter
- A curriculum vitae
- Copies of, or links to, three recent publications or research papers
- A statement outlining your teaching and mentoring experience and approach
- A research program proposal
- A minimum of three letters of reference to be sent directly to the chair of the department (see contact information below)
- Please respect the following page limits:
 - Two pages for the cover letter.
 - Three pages for the research program proposal.
 - Two pages for the statement on teaching and mentoring experience and approach. You may, if you wish, also include how you would contribute to promoting equity, diversity, and inclusion (EDI) in your teaching and within your research group.

Contact information

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