



Postdoctoral Researcher – ATLAS

[TRIUMF](#) is Canada's particle accelerator centre, and one of the world's leading laboratories for particle and nuclear physics and accelerator-based science. We are an international centre for discovery and innovation, advancing fundamental, applied, and interdisciplinary research for science, medicine, and business.

At TRIUMF, we're passionate about accelerating discovery and innovation to improve lives and build a better world. Equity, diversity, and inclusion are integral to excellence and enhance our ability to create knowledge and opportunity for all. Together, we are committed to building an inclusive culture that encourages, supports, and celebrates the voices of our employees, students, partners, and the people and communities we serve.

TRIUMF is part of the [ATLAS](#) collaboration at the Large Hadron Collider ([LHC](#)) near Geneva, Switzerland. The [ATLAS Group](#) at TRIUMF is strongly involved in the Higgs, Supersymmetry, and Exotics physics programs at ATLAS. TRIUMF built significant parts of the ATLAS hadronic endcap calorimeter and hosts an ATLAS Tier-1 data centre maintained by a team of Grid computing experts based at TRIUMF. For the ATLAS phase-1 upgrades, TRIUMF is contributing to the LAr electronics upgrade and is constructing thin gap muon chambers for the New Small Wheel. For the phase-2 upgrades, TRIUMF is making significant contributions to the Silicon Inner Tracker (ITk) end-cap strips and LAr electronics. All upgrade projects are in close collaboration with a number of Canadian universities.

We are currently accepting applications for a Postdoctoral Researcher to join the TRIUMF ATLAS Group and take a leading role in analyzing ATLAS Run-2 data and preparing for Run 3. The successful applicant will also have the opportunity to supervise undergraduate and graduate students and disseminate results as articles in peer reviewed scientific journals and at national and international conference and workshops. The work of the ATLAS Group spans many areas, so you will have the choice of participating in the following areas of operations or upgrades: sTGC integration and commissioning, alignment or software developments; LAr calorimeter operations and upgrades; ITk upgrades; ATLAS software and computing; combined performance, particularly muons or jet/ETmiss; or another area of operations related to one of these.

Applicants must demonstrate extensive knowledge of particle physics, data analysis, statistics and detector physics, and have experience with general computing and programming. Qualifications include a recent PhD in experimental particle physics, good communication skills and previous experience with detector work, data analysis and scientific computing. While we are primarily recruiting those whose PhD was obtained in the past 5 years, exceptional candidates with more experience will also be considered.

These grant-funded positions can be located at either CERN or TRIUMF and are based on an initial commitment to a one-year term. This may be renewed for up to three years, based on mutual satisfaction and continued grant funding. Salary will be competitive depending on experience.

TRIUMF is an equal opportunity employer, and we welcome applications from all qualified candidates. Your complete application package should be submitted by email to recruiting@triumf.ca and will include the following in one complete PDF file:

- Subject line: 757
- [Employment Application Form](#)
- Cover letter indicating salary expectations
- Detailed CV with a list of publications
- Arrange for 3 letters of recommendation or reference to be sent directly to the email above

Application closing date: January 30, 2020

It is important to note that due to operation necessity, TRIUMF will as needed, make hiring decisions that could pre-empt the application closing date. Accordingly, we suggest candidates submit expressions of interest in a timely fashion.