



Research Associate - ATLAS

Comp. #681

[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.

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 in collaboration with a number of Canadian universities. For the phase-2 upgrades, TRIUMF is making significant contribution to the Silicon Inner Tracker (ITk) detector and LAr electronics in close collaboration with a number of Canadian universities.

TRIUMF's ATLAS Group is currently accepting applications for a Research Associate who will be responsible for taking a leading role in the ATLAS Phase-1 sTGC upgrade work and ATLAS physics program. The successful applicants will have the opportunity to develop data analyses for Run 2 of ATLAS, supervise graduate and undergraduate students, and disseminate results as articles in peer reviewed scientific journals and at national and international conferences and workshops.

Applicants must demonstrate extensive knowledge of particle physics, detector physics and statistics, have experience with general computing and programming, and have an interest in detector construction, integration and alignment. Qualifications include a PhD in experimental particle physics, good communication skills and previous experience with detector work scientific computing.

This grant-funded position will be located at either CERN or TRIUMF and is based on an initial commitment to a one year term. This may be renewed annually for a second and third term, based on mutual satisfaction and continued grant funding. Salary will be competitive depending on experience.

When submitting your application as detailed below, please include a detailed CV with a list of publications, and arrange for 3 letters of recommendation or reference to be sent directly to the email below.

TRIUMF is an equal opportunity employer committed to diversity in the workplace, 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: Competition 681
- [Employment Application Form](#)
- Cover letter indicating salary expectations
- CV

Applications will be accepted until 2018-11-30