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accelerated



Introduce Yourself

## Postdoctoral researcher, DarkLight

Apply

 TRIUMF – Vancouver, BC

 Full time

 Posted Today

 JR100481

[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.

The Canadian group in the DarkLight collaboration has an immediate opening for a postdoctoral researcher to join us in a search for new bosons in the mass range from 10 to 20 MeV using the TRIUMF/ARIEL e-linac. The successful applicant will join a small international collaboration and be based at TRIUMF in Vancouver, BC. The brief and intense schedule for the DarkLight experiment means that this position provides a unique opportunity for a young postdoctoral researcher to participate in a particle physics experiment from the design stages right through data taking to a final result during their time at TRIUMF.

### Primary Responsibilities:

- Simulation software
- Testing and development of trigger detectors
- Assisting with supervision of junior HQP
- Commissioning and running of experiment
- Documentation and communication of results

### Qualifications and Experience:

The successful candidate should be interested in all areas of experimental work and have relevant particle physics experience. Ideally this would include: experience in detector development, expertise in simulation and data analysis with fluency in C++, ROOT, and python, the ability to work well in a group, good communication skills, and an interest in supervising and mentoring students. Additional experience with GEANT4 or data acquisition systems would be a special asset.

Applicants must hold a PhD (received within 5 years) in Particle or Nuclear Physics by the starting date of the position.

TRIUMF is located on the south campus of the University of British Columbia, in the heart of Pacific Spirit Park in Vancouver, BC. We offer a competitive total compensation package, including comprehensive benefits, attractive salary, and an excellent opportunity to enhance your career portfolio in a high profile national research facility.

Learn more about how the amazing research and work we do at TRIUMF impacts humanity

<http://www.rarestdrug.com>

TRIUMF is an equal opportunity employer, and we welcome applications from all qualified candidates.

### Postdoctoral applications must:

- Upload cover letter, brief statement of research interests, detailed CV with a list of publications
- Arrange for 3 letters of reference sent directly to [recruiting@triumf.ca](mailto:recruiting@triumf.ca) and include JR number (JRXXXXXX) in subject line

### Application closing date:

December 31, 2022

*As a requirement of this position, the successful candidate will need to provide acceptable proof that they have been fully vaccinated for COVID-19, or demonstrate that they are unable to be vaccinated against COVID-19 for reasons protected under the BC Human Rights Code. TRIUMF will grant reasonable accommodation requests up to the point of undue hardship.*

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.

**Contact information:**

**Email:** recruiting@triumf.ca

**Phone:** 604.222.1047

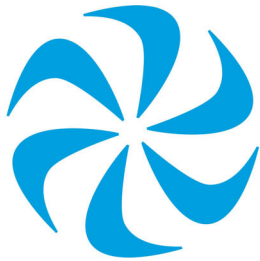
**Fax:** 604.222.3791

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**About Us**



# TRIUMF

Established in 1968 in Vancouver, TRIUMF is Canada's particle accelerator centre. The lab is a hub for discovery and innovation inspired by a half-century of ingenuity in answering some of nature's most challenging questions. From the hunt for the smallest particles in the universe to the development of new technologies, TRIUMF solves problems and delivers impact. We drive compelling research and create ideas and innovations that benefit humanity.

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