Postdoctoral Researcher – DRAGON / TUDA

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.

In support of our Nuclear Physics program, we are currently accepting applications for a Postdoctoral Researcher to join out Astrophysics Group and support scientific research and experiments connected to the DRAGON recoil separator and TUDA charged-particle array astrophysics program at ISAC. The successful candidate will have the opportunity to participate in all DRAGON/TUDA experiments, will be expected to participate in other ongoing astrophysics, and will be actively encouraged to pursue their own reseragc ideas for these facilities and programs. Specific responsibilities will include:

- Providing support in data acquisition, analysis, and dissemination of scientific results for selected experiments
- Providing support and expertise in facility operation and maintenance, as well as DAQ and detector upgrades
- Using state-of-the-art stellar modelling software (NuGrid) to investigate nuclear reactions in various stellar environments
- Supervision of undergraduate and graduate student

Applicants must have a recent Ph.D. in nuclear physics, nuclear chemistry, or nuclear astrophysics, or be receiving one in the near future. Applicants must have extensive knowledge of the fundamentals of nuclear physics and nuclear astrophysics, including the operation of radiation detectors. Experience with scientific computing, and experience or familiarity with recoil seperators and other relevant knowledge is necessary to be effective in this role.

This grant funded position will be based at TRIUMF, and the term of employment will be based on an initial commitment of one year. This may be renewed for a second and third term, based on mutal 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 to be sent directly to the email below.

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: Competition 719
- Employment Application Form
- Cover letter indicating salary expectations
- CV

Applications will be accepted until June 30th, 2019.

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.