

Postdoctoral Research Fellow position in experimental nuclear physics, at TRIUMF, Canada

The Saint Mary's University and TRIUMF collaboration is inviting applications for the position of a Post Doctoral Research Fellow in experimental nuclear physics in Canada. The research group's activities at TRIUMF are focused on direct nuclear reactions of rare isotopes with reaccelerated beams using the IRIS facility (<http://www.triumf.ca/iris>). The IRIS facility utilizes novel thin solid hydrogen and deuterium targets, for studying transfer reactions and inelastic scattering of exotic nuclei. The team also collaborates on the active target (AT-TPC) project with Michigan State University (MSU).

We are looking for excellent researchers with an interest aligned with our research activities. The successful candidate will be stationed full time at TRIUMF, Canada's particle accelerator centre, located in Vancouver, Canada. The candidate is expected to participate in experiments using the IRIS facility at TRIUMF and the AT-TPC at MSU as well as work on related future developments. He/she will also have to take on a responsible role in the operation of the IRIS facility for all experiments. The candidate will also be encouraged to pursue independent research initiatives in direct nuclear reactions.

The eligible candidate must have obtained a Ph.D. degree in nuclear science. The position requires capability of extensive independent work with both hardware and software. The candidate will be expected to gain expertise in the use of semiconductor detectors, gas detectors, active target and the solid hydrogen target. Prior experience with such systems and radioactive beam experiments will be considered as an added qualification. The work requires programming knowledge in C++. Experience with the ROOT analysis framework is desirable. The term of appointment is initially for one year with possibility of renewal up to two additional years based on continued funding and mutual satisfaction.

We invite interested candidates to submit their application with a curriculum vitae, a brief statement on research experience and interests together with names of three references who will be willing to provide letters of recommendation. The complete application should be sent by email to :

Prof. Rituparna Kanungo

Email : ritu@triumf.ca

Review of applications will begin from January 25, 2019 and will continue until the position is filled.