



SNO+ Detector Manager – Postdoctoral Fellow
Experimental Neutrino Physics
Department of Physics, Engineering Physics & Astronomy
Queen's University



The SNO+ experiment has an opening for a postdoctoral research position in the role of SNO+ Detector Manager. The successful candidate will be employed by the particle astrophysics group at Queen's University but will be based at SNOLAB in Sudbury, Ontario.

The SNO+ Detector Manager provides scientific leadership and guidance in the operation and calibration of the SNO+ detector. The incumbent will coordinate SNO+ detector operations and activities. This includes planning and sequencing activities by SNO+ collaborators related to detector work and calibrations. SNO+ will be a 780-tonne liquid scintillator detector that will study solar, geo, reactor, and supernova neutrinos and also search for neutrinoless double beta decay with ^{130}Te loaded in the liquid scintillator. The experiment has been taking data since 2017 and will be transitioning to the scintillator and tellurium data-taking phases in 2018 and 2019.

The successful candidate will have a PhD in experimental particle physics, nuclear physics, or astroparticle physics, with further experience considered an important asset given the significant responsibilities associated with this position. The appointment will be for two years, with the possibility of renewal. Salary will be commensurate with qualifications and experience.

Applications are being accepted by e-mail. Applicants should submit a cover letter/statement of interest and a detailed CV, plus arrange for three letters of reference to be sent by e-mail to Professor Mark Chen (SNO+ Director): mchen@queensu.ca. Please include SNO+ Detector Manager in the subject field of your e-mail.

Review of applications will begin September 24, 2018 and will continue until the position is filled.

Queen's University is committed to employment equity and diversity in the workplace and welcomes applications from all qualified candidates including women, visible minorities, indigenous people, persons with disabilities and persons of any sexual orientation or gender identity.