POSTDOCTORAL FELLOWSHIPS IN ASTROPARTICLE PHYSICS (SNO+)

The astroparticle physics group at the University of Alberta (UofA) (see https://www.ualberta.ca/physics/research/particle-physics) is seeking multiple outstanding candidates to join our activities on the SNO+ experiment.

The SNO+ experiment aims to establish the Majorana nature of the neutrino by searching for neutrinoless double beta decay using tellurium in liquid scintillator. SNO+ started taking data earlier this year with a vessel filled with water. The liquid scintillator fill is scheduled for the first months of 2018. The UofA SNO+ group efforts are directed towards calibration (water phase), event reconstruction and data analysis (all phases), and exploring potential detector upgrades (PMTs and material stability). The potential candidate is expected to join in these activities, as well as in the supervision of undergraduate and graduate students.

The fellowships will be based at the University of Alberta. The position involves travel to SNOLAB (Sudbury, Ontario) where the experiment is located. Experience in the field of neutrino astroparticle physics and/or dark matter searches or related experiments is an asset. Since SNOLAB cannot be reached by public transport, a driver’s license is highly desirable.

The UofA is home of a large particle physics group, and has a leading role on astroparticle physics experiments such as PICO and DEAP, looking for dark matter, and the IceCube Neutrino Observatory. The successful candidate will have the possibility to collaborate with the scientists working on these experiments.

Candidates should have a recent PhD in experimental astroparticle physics, nuclear or particle physics, or in a closely related field. The original appointment will be for two years, up to three years in special circumstances, subject to funding. The stipend will be commensurate with qualifications and experience.

To Apply:

Applicants should include a detailed CV, a brief statement of research interests, and arrange to have at least two letters of reference forwarded to:

Juan-Pablo Yañez (j.p.yanez@ualberta.ca)
Centre for Particle Physics
Department of Physics CCIS 4-181
University of Alberta
Edmonton, Alberta, CANADA T6G 2E1

The review of applications will begin on November 10th, 2017 and will continue until the opportunities are filled.

All qualified candidates are encouraged to apply. We thank all applicants for their time and effort but only those selected for an interview will be contacted. Applicants may be considered for future vacancies.

The University of Alberta offers appointments on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities and Aboriginal persons.