POSTDOCTORAL POSITION FOR THE ICECUBE AND PACIFIC OCEAN NEUTRINO EXPLORER EXPERIMENTS
Astroparticle Physics

Field of Interest: astro-ph, hep-ex, nucl-ex
Region: North America

The astroparticle physics group at the University of Alberta (UofA) (https://www.ualberta.ca/physics/research/centre-for-particle-physics) is seeking an outstanding candidate to join our activities on the IceCube Neutrino Observatory and explore the physics potential of a new large-scale neutrino detector in the Pacific Ocean.

The UofA is home to a large particle physics group with access to extensive in-house technical infrastructure and expertise. Group members also benefit from interaction with researchers in related fields, such as SNO+, PICO and DEAP-3600, where UofA groups have significant involvement.

The IceCube group at the University of Alberta has a prominent role in the study of atmospheric neutrinos, including measurements oscillation parameters, as well as in searches for physics beyond the Standard Model and detector calibration efforts. The group is also leading the Canadian efforts towards the study of a site for the deployment of a new, large-scale underwater neutrino detector. This endeavour leverages the unique expertise of Ocean Networks Canada in deep sea operations and aims to detect neutrinos from GeV to the PeV scale. A successful candidate will take a leading role both in data analysis in IceCube and in the development of the physics program of the Pacific Ocean Neutrino Explorer.

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 May 24th, 2019 and will continue until the opportunities are filled.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. If suitable Canadian citizens or permanent residents cannot be found, other individuals will be considered.

The University of Alberta is committed to an equitable, diverse, and inclusive workforce. We welcome applications from all qualified persons. We encourage women; First Nations, Métis and Inuit persons; members of visible minority groups; persons with disabilities; persons of any sexual orientation or gender identity and expression; and all those who may contribute to the further diversification of ideas and the University to apply.