



Carleton
UNIVERSITY



Arthur B. McDonald
Canadian Astroparticle Physics Research Institute

Particle Astrophysics

SNOLAB / Carleton University - Postdoc

DEAP-3600 and the Global Argon Dark Matter Collaboration



An exciting postdoctoral position is available at SNOLAB (Sudbury, Canada), with the Particle Astrophysics Group of Carleton University (Ottawa, Canada) and the participation of the Arthur B. McDonald Canadian Astroparticle Physics Research Institute.



The successful candidate will join the Global Argon Dark Matter Collaboration working on DEAP-3600, DarkSide-20k and a future multi-hundred tonne liquid argon detector aiming for the direct detection of dark matter. They will be expected to take a leading role in DEAP-3600 data analysis and operation at SNOLAB, as well as planning, design and simulation towards the future-generation multi-hundred tonne experiment.

The successful candidate will have a Ph.D. in Physics or Engineering at the time of employment, have a strong publication record, and be able to work well in collaboration. The position will require data analysis in Python and C++ using ROOT and GEANT4. Teamwork and the ability to work in a large, structured software environment are required. Shift work underground at the SNOLAB facility (6800-foot depth) is expected.

This is a full-time postdoctoral position with a two-year contract and an annual salary of \$55,000 plus benefits, renewable based on performance and funding.

Applicants should send a detailed CV and a statement of research interests, and arrange for three (3) letters of reference to be sent to Dr. Simon Viel, Assistant Professor at Carleton University, simon.viel@carleton.ca

Carleton University is committed to employment equity and diversity in the workplace and strongly encourages applications from all qualified applicants, especially women, aboriginal peoples, members of visible minorities, and persons with disabilities. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents. As a postdoc from Carleton University, you would be represented by the Public Service Alliance of Canada and entitled to membership in PSAC Local 77000.

Review of applications will begin on October 11, 2018 and continue until the position is filled.

Contact: Dr. Simon Viel, Assistant Professor, Carleton University

Email: simon.viel@carleton.ca