

HEP Computing Postdoctoral Fellow at the University of Victoria

The University of Victoria Particle Physics Group invites applications for a Postdoctoral Fellow position to help support the new Belle II Raw Data Centre in Canada and work on novel computing challenges for the next generation of HEP experiments.

The Belle II Raw Data Centre at the University of Victoria will one of a number of sites around the world that will store and process the raw data from the Belle II experiment at the KEK Laboratory in Tsukuba, Japan. The Centre will be commissioned in 2021 using cloud computing technologies.

The group at Victoria is actively involved in computing projects that are being addressed by the international HEP computing through the HEP Software Foundation (HSF) and Worldwide LHC Computing Grid (WLCG) organizations. The candidate will have an opportunity to join these efforts.

The group at Victoria has strong efforts in distributed cloud computing for HEP workloads. The group is investigating the use of data federations for wide area data management and is exploring object storage for large scale storage. The group is also actively involved in high-speed networks for our production facilities as well as R&D projects. The results of our projects are deployed in production systems for the ATLAS and Belle II experiments in Canada and abroad.

The candidate should have a PhD in experimental/computational particle physics by the time of the appointment. They should be experienced with the use of HEP software and analysis techniques, and have good programming skills. The successful candidate is expected to take a key role in our R&D efforts in the context of the international efforts into the next generation computing challenges.

The position will be based at the University of Victoria and be for a two-year period. The starting date will be negotiated with the successful candidate.

Applications will be accepted until the position is filled. All qualified candidates are encouraged to apply.

Candidates should send a CV and arrange to have letters of recommendation sent to:

Professor Randall Sobie
c/o Ms. Peggy White
Dept. of Physics and Astronomy
University of Victoria
PO Box 1700 STN CSC
Victoria, BC,
CANADA
V8W 2Y2

The preferred method of correspondence is via email to: vispa@uvic.ca

Please clearly indicate that you are applying to the HEP PDF position in any correspondence.