POSTDOCTORAL POSITION in EXPERIMENTAL HIGH ENERGY PHYSICS

The Experimental High Energy Physics (HEP) group in the Department of Physics at the University of Cincinnati seeks candidates for a post-doctoral fellow position associated with IRIS-HEP, the Institute for Research and Innovation in High Energy Physics (see http://iris-hep.org/). The individual hired will work in either the Innovative Algorithms group or the Data Analysis Systems group. The primary focus of our work in Innovative Algorithms is developing Machine Learning algorithms with applications in the LHCb reconstruction and trigger project. The primary focus of our Data Analysis Systems work is developing GPU-friendly, thread-parallel algorithms that can be used to do amplitude analyses in experimental high energy physics and closely allied fields, with high-statistics LHCb charm and B-physics analyses as specific use cases. This position will be based either at CERN in Geneva, Switzerland or in Cincinnati, OH.

Candidates should have a Ph.D. (or equivalent) in experimental HEP or a closely related field. The ideal candidate would have (i) extensive experience building production-quality, sustainable, software written in C++ and/or CUDA (ii) extensive experience analyzing high energy physics data, (iii) the ability to communicate effectively. Applications should be made using the University of Cincinnati online system at https://jobs.uc.edu/ (search for requisition #36870). There will be a link to "Post Doctoral Fellow (Physics). Following that link, page that pops up will have an "Apply now" link.

Applications received by April 15, 2019 will receive full consideration. The position will remain open until it is filled. The initial term will be one year. If funds are available, the term may be extended. Salary will be competitive. Further information may be obtained by contacting Mike Sokoloff via e-mail: mike.sokoloff_at_uc.edu. The University of Cincinnati is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are particularly encouraged to apply.

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