The Elementary Particle Experiment Group at the University of Washington is seeking a Postdoctoral Research Associate to join its effort on the ATLAS experiment at CERN. The group consists of 5 professors, 3 post-docs, and 5 graduate students. We have made significant contributions to the design, construction and commissioning of the ATLAS forward muon chambers, and are currently prototyping and building the support tube for Insertable B-Layer (IBL), the fourth pixel layer to be installed during ATLAS Phase 0 upgrade (2013-2015).

One of the members is currently co-leading the ATLAS Standard Model Electroweak subgroup and leading the first publication of the ZZ production and the first search for heavy narrow resonances in ZZ final state at ATLAS, as well as previously leading the upgrade of the ATLAS pixel detector’s Read Out Driver (ROD) software development, commissioning and maintenance. Our group also initiated and led the ATLAS effort to publish a search for the Hidden Valley model which has a unique signature that particles decay throughout the detector. Our group has played major role on the detection of tau-leptons and Higgs searches.

The successful candidate is expected to play a leading role in the commissioning of the IBL in particular the software design and commissioning of the IBL DAQ system. He or she is expected to join the group efforts to work on physics analysis after ATLAS Phase 0 upgrade. The position will be based at CERN. Qualified candidates will have or will be about to complete their Ph. D. and have experience in high energy detectors and physics analysis.

Interested candidates should send a letter of application, a curriculum vitae, a list of selected publications and a brief statement of research interests to to Academic Jobs Online at https://academicjobsonline.org/ajo/jobs/1685. Candidates should also arrange for three letters of recommendation to be sent to the same URL above. Applications will be reviewed starting October 5th 2012 and continue until the position is filled. For more information please contact Assistant Professor Shih-Chieh Hsu (schsu@uw.edu).

*The University of Washington is an Affirmative Action/Equal Opportunity Employer, and we especially encourage applications from women and members of minority groups.*