



Postdoctoral Scholar on the ATLAS Experiment

The experimental particle physics group at the University of California, Irvine invites applications for a postdoctoral scholar position to work on the ATLAS experiment at the CERN Large Hadron Collider, starting beginning of 2023.

The researcher, based at CERN, will work primarily with Professors Andrew Lankford and Daniel Whiteson, and will contribute to searches for new phenomena, as well as playing a major role in the final commissioning and operation of the NSW (new small wheel), a critical phase-1 upgrade project of the ATLAS Muon Spectrometer. Opportunities exist in developments at the interface between the NSW detector readout and ATLAS trigger and data acquisition, to ensuring a high quality of NSW data, and to application of machine learning in data analysis.

The ATLAS group at UCI, consisting of Professors Andrew Lankford, Anyes Taffard, and Daniel Whiteson, is actively engaged in the Muon Spectrometer, the Trigger and Data Acquisition System, and Machine Learning. It enjoys a close and fruitful relationship with the UCI theory and phenomenology group.

The applicant should have, or be about to obtain, a Ph.D. in particle physics, and is expected to have experience of at least two years of active participation in a leading international particle physics experiment. The applicant should have expertise in data analysis techniques and software systems used in high-energy physics as well as Unix operating systems and C++ and python programming languages. Experience in detector readout and/or trigger and data acquisition is highly preferred.

For general information about this position, please contact Professor Andrew Lankford at Andrew.Lankford@uci.edu or Professor Daniel Whiteson at daniel@uci.edu

Interested candidates should apply online at UCI's online applications system RECRUIT at <https://recruit.ap.uci.edu/JPF07709>.

Applications are being reviewed as received, and the position will remain open until filled.

The University of California, Irvine is an Equal Opportunity/Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected categories covered by the UC nondiscrimination policy.