

**Postdoctoral Research Contractor on the ATLAS Experiment
High Energy Physics Experiment Group,
University of Massachusetts—Amherst**

The High Energy Physics Experiment Group of the University of Massachusetts, Amherst, seeks applications for a postdoctoral research contractor position. The duties and opportunities are the same as those of a postdoctoral research associate but the successful candidate will be based at CERN on a full-time basis. We are deeply involved in the analysis of ATLAS data as well as in a number of detector upgrade and software projects. In particular, we are part of the team developing and producing the ITk Pixel Inner System Local Supports. The project involves the design and testing of several mechanical and thermal prototypes of the final system. We are also major contributors to both Phase-I and Phase-II muon trigger upgrades and are leading software developments in muon and track reconstruction. Our physics interests include the search for physics beyond the Standard Model and measurements, with a particular focus on the Higgs boson. The analyses that we pursue involve both prompt and long-lived signatures, as well as machine learning techniques. The successful candidate must have completed a Ph.D. in particle physics and demonstrated an aptitude for both technical and physics analysis work. Candidates should submit a letter of interest, curriculum vitae, and arrange to have three letters of recommendation sent to Prof. Stéphane Willocq (stephane.willocq@cern.ch). The review of applications will commence on October 1, 2021.