

Tufts University

Postdoctoral position in experimental high-energy physics:

The Department of Physics and Astronomy at Tufts University seeks applicants for a Post-Doctoral Research Associate position in experimental high-energy physics to work on the ATLAS experiment at CERN. The group has made significant contributions to the ATLAS Trigger system and is in process of taking full responsibility for the muon end-cap alignment system. The group is very active with precision measurements of Standard Model parameters as well as with searches for physics beyond the Standard Model.

The successful applicant will be expected to take a leadership role in the development, operation, and maintenance of the ATLAS muon end-cap alignment system and to its related software, including a significant contribution to the installation of the alignment sensors on the New Small Wheels. Alignment activities will amount to about 50% of the research effort expected for this position. In addition, the successful candidate will make significant personal contributions to ATLAS physics analyses, strengthening Tufts' contribution to W/Z+jets studies or to new physics searches.

The applicant should have, or be about to gain, a Ph.D. in particle physics, and is expected to have experience of at least two years in active participation with a leading international particle physics experiment. Priority will be given to applicants with hardware experience, and with strong programming skills (C++ and Python). The candidate must also have demonstrated a strong potential for outstanding achievement as independent data analyzer in the field of particle physics.

The position is available with a starting date as early as February 1st, 2021, for a term of two years with possible extension contingent upon available funding. The position will be fully based at CERN. Applicants should submit a curriculum vitae, a one-page statement describing their research interests, and should arrange for two letters of recommendation to be sent to Professor Pierre-Hugues Beauchemin at Hugo.Beauchemin@tufts.edu. **Applications will be considered until the position gets filled.** Electronic application materials and letters of reference in PDF format are preferred.

Tufts University is an equal opportunity/affirmative action employer.

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