

The ATLAS group at the Weizmann Institute of Science is seeking an excellent and creative CERN-based postdoctoral research fellow in the field of Experimental High Energy Physics for working on ATLAS physics analyses. All genders are welcome!

Among the leading analyses fronts are the search for bumps using the data-directed paradigm [1] and the symmetry-based search for lepton flavor violation decays of massive resonances (e.g. [2]). In addition to the physics analysis, candidates are expected to work (~0.15 FTE) on the ATLAS detector itself. The opportunity to participate in advanced detector R&D projects and ML-based detector performance studies is open for interested candidates.

The net salary is competitive with other CERN-based postdoctoral positions and is divided into a normal postdoc fellowship component [3] and a cost of living abroad (COLA) component. Career kick start fund is ensured.

The applicant should have a PhD degree in physics, an excellent knowledge in experimental particle physics and excellent programming skills (C++, Python, ROOT). Experience in machine-learning techniques is an advantage.

Applicants can start employment no later than 5 years after receiving their PhD, while employment can extend up to 7 years after receiving the PhD. Applications are welcome from all qualified individuals.

Please send your CV with a list of publications and arrange for at least three letters of recommendation to be emailed to Shikma Bressler (shikma.bressler@cern.ch).

The position will remain open until filled.

[1] arXiv:2107.11573

[2] arXiv: 1604.07730

[3] <https://www.weizmann.ac.il/feinberg/fellowship-aid/postdoctoral-fellows>