



**Job description:**

Nevis Laboratories of Columbia University is seeking a Staff Associate to work on firmware development for the upgrade of the ATLAS liquid Argon calorimeter electronics for the HL-LHC.

The upgraded electronics includes on-detector, radiation-tolerant hardware with significant parts developed by the Nevis team as well as off-detector ATCA blades to process the data, control and monitor the front-end. The latter are developed by ATLAS collaborators but the corresponding firmware development will benefit from detailed understanding of the front-end system.

The successful candidate will work in close collaboration with physicists of the scientific staff of Nevis Laboratories, which is the high energy physics laboratory of Columbia University in New York, as well as the ATLAS liquid Argon electronics integration team. The candidate is expected to be based at CERN with regular trips to Nevis Laboratories.

Contact: Gustaaf Brooijmans ([gusbroo@nevis.columbia.edu](mailto:gusbroo@nevis.columbia.edu))

To apply, please provide a statement of interest, cv and the names and emails of three people who can provide reference letters.