



The University of Geneva Particle Physics Department (DPNC) invites applications for a

## **Doctoral Assistant**

to pursue doctoral studies on the ATLAS experiment at the CERN LHC.

The ATLAS group of the DPNC has made significant contributions to the construction and operation of the experiment. It is presently contributing to event reconstruction (jets, heavy-flavour and missing transverse momentum) and searches for new physics, as well as the HL-LHC upgrade, with activities in the upgrades of the tracker and TDAQ.

The selected candidate will work on event reconstruction and analysis of hadronic final states in Top and Higgs physics. He/She will also contribute to RnD for the hardware system that will provide the HL-LHC ATLAS trigger with tracks.

The post is renewable annually up to a maximum of 5 years. Doctoral candidates will normally complete their doctoral requirements within 4 years. The doctoral requirements include course work provided by the doctoral school, as well as research studies leading to the preparation and defence of a thesis. The post of Assistant includes limited teaching duties. Non-francophone candidates are expected to achieve proficiency in French during their first year of studies. The post provides adequate financial support.

Interested candidates should have (or soon receive) the equivalent of a Master degree with a specialisation in Particle Physics or related activities as well as outstanding grades. To apply please send a CV, grades record, a motivation statement and three reference letters to [anna.sfyrla@cern.ch](mailto:anna.sfyrla@cern.ch), indicating the preferred starting date. Applications should be sent by **29 October** and the position is expected to start in early 2018.