

## Postdoctoral Position in ATLAS experiment @ LPSC Grenoble

September 30th, 2011

### References:

- Contract Ref: **ANR Blanc 0427 03**
- PostDoc Ref: **CDD-ATL-LPSC -122011**

The “Laboratoire de Physique Subatomique et Cosmologie” (LPSC) in Grenoble (France): <http://lpsc.in2p3.fr/ATLAS/> invites applications for a Postdoctoral Position funded by the ANR project “HiggsNet” to work in the ATLAS experiment.

The ATLAS experiment at CERN is collecting data from the proton-proton collisions delivered by the Large Hadron Collider. The ATLAS group at LPSC has participated in the construction phase of the electromagnetic calorimeter and is currently involved in performance and calibration activities and in different domains of data analysis.

The HiggsNet ANR project is focused on the search for a Higgs boson decaying into two photons and on those searches of new phenomena beyond the Standard Model showing up in final states with photons. HiggsNet ANR project is a collaborative programme and involve other IN2P3 laboratories: LPNHE-Paris, LAL-Orsay and LAPP-Annecy.

The LPSC is active in this project, working on the photon reconstruction performances and on the searches for a graviton decaying into two photons.

The successful candidate will perform studies on the photon reconstruction, identification and isolation, focusing mainly on the properties of the high transverse momentum photons characteristic. He/She is expected to play a leading role in data analysis, looking for alternatives to the Standard Model with photon signatures, as the search for the Randall-Sundrum gravitons is a possibility.

To qualify, the candidate should have at least a PhD in Particle Physics. Interested applicants should submit curriculum vitae and a description of research experience and arrange for two letters of recommendation to be sent to:

[higgsnet@lpsc.in2p3.fr](mailto:higgsnet@lpsc.in2p3.fr)

Applications will be accepted until **November 30th, 2011**. The appointment is for 2 years starting February 1st, 2012. The salary depends on the candidate previous working experience. No nationality restrictions apply to this position.

### More information can be obtained from:

- Fairouz Malek ([fmalek@lpsc.in2p3.fr](mailto:fmalek@lpsc.in2p3.fr), +33.4.76.28.41.37) or Jan Stark ([stark@lpsc.in2p3.fr](mailto:stark@lpsc.in2p3.fr), +33.4.76.28.40.17)
- For the “two Photons analyses”, please contact Francesco Polci ([polci@lpsc.in2p3.fr](mailto:polci@lpsc.in2p3.fr))