

Post-doc Recruitment in Experimental Particle Physics ANR & Laboratoire Leprince Ringuet – Ecole Polytechnique

The CMS group at the Laboratoire Leprince-Ringuet, Ecole Polytechnique, is inviting applications for a postdoctoral position (2 years, with a possibility of 1 year extension) scheduled start in Fall 2013.

The group is a founding member of the CMS Collaboration. It has designed and built the ECAL L1 trigger and it is responsible for its daily operation and monitoring. It has major involvement in particle reconstruction and identification with the e/gamma and taus Physics Object Groups, contributed to the development of the Particle Flow event reconstruction, and is involved in Electroweak (di-bosons, triple gauge couplings, etc...), Heavy Ions and Higgs physics.

The group has been very strongly involved in some of the high priority Higgs analysis of CMS (e.g. $H \rightarrow 2$ taus or $H \rightarrow 4$ leptons in various production modes), playing a leading role in the discovery and properties measurement of a Higgs boson.

The successful candidate is expected to contribute to the preparation of the new searches and measurements at the higher centre-of-mass energies of 13-14 TeV by 2015, with emphasis on the new scalar sector. He or she should contribute to the preparation of the data taking and trigger developments needed to cope with higher luminosity and pile-up.

Applications including a detailed C.V. (with a short summary of research activities), at least 2 letters of recommendation and a short research plan (1 page max.) should be sent (.pdf files) to ochando@llr.in2p3.fr until September 23th 2013.

Christophe Ochando, Ph.D.
Chargé de Recherche
CNRS-IN2P3, LLR Ecole Polytechnique, Palaiseau
August 2013-08-27

Selection committee for this position at the LLR :
Philippe Busson, Claude Charlot, Christophe Ochando & Yves Sirois