Post-doc Recruitment in Experimental Particle Physics
IN2P3/CNRS & Laboratoire Leprince-Ringuet – Ecole Polytechnique

The CMS group at the Laboratoire Leprince-Ringuet, Ecole Polytechnique, is inviting applications for a postdoctoral position (3 years) scheduled to start during fall 2012.

The group has been involved so far in some of the high priority Higgs analysis of CMS (e.g. $H \rightarrow 2\tau$ or $H \rightarrow 4\ell$ in various production modes), electroweak physics (di-bosons, triple-gauge couplings etc.), Exotica (TeV resonances) and heavy ion physics. It also contributes to particle reconstruction and identification with the e/gamma and $\tau$ Physics Objects Groups as well as to Particle Flow event reconstruction. Among other contributions, the group has designed and built the ECAL L1 trigger and it is responsible for its daily operation and monitoring.

The successful candidate is expected to contribute to the major Higgs or Electroweak-related analysis activities of the group using the 2011-2012 data, and to help to prepare for the new searches and measurements at the higher centre-of-mass energies of 13-14 TeV by 2014. He or she should contribute to the preparation of the data taking and trigger developments needed to cope with higher luminosity and pile-up, especially for triggers using or combining with ECAL trigger primitives.

Applications including a C.V., 2 letters of recommendation and short research plan (1 page max.) should be sent (.pdf files) to yves.sirois@in2p3.fr until Friday the 21rst of September 2012.

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