



Ph.D. Research Positions in Experimental Particle Physics – CMS experiment

The center for Cosmology, Particle Physics and Phenomenology (CP3, <http://cp3.phys.ucl.ac.be/>) of the Université catholique de Louvain (UCL) in Louvain-la-Neuve (Belgium) invites applications for positions aimed at obtaining a Ph.D. in experimental particle physics. Research will be conducted in the context of the CMS experiment at the Large Hadron Collider (LHC).

The CP3 experimental group has contributed significantly to the design and construction of the CMS silicon strip tracker detector and has been deeply involved in its commissioning since the early stages. Current research activity focuses on CMS physics data analysis and related physics object software development within the following CMS groups: beyond-two-generations, electroweak, exotica, Higgs, top quark, forward, simulation, muon and tracking. UCL hosts one of the Tier-2 centers of the LHC computing GRID. Physics studies are pursued in close collaboration with theoreticians within the CP3 center. The group is also involved in the NA62 experiment at CERN as well as in research and development programs related to extensions of the CMS experiment and to the Super-LHC.

Positions are open to candidates of any nationality. Although the positions will remain open until suitable candidates are found, interested persons are encouraged to apply before **9 June 2013**, when the first application screening will take place. Applications, including curriculum vitae, a list of publications and at least two letters of recommendation should be submitted online at <http://cp3.irmp.ucl.ac.be/Jobs/Details/CP3-13-Exp-PhD>

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