**Subject:** CMS Postdoctoral position on the Silicon Strip Tracker at the Vrije Universiteit Brussel  

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*** Discussion title: HEP Job Announcements

CMS Postdoctoral position on the Silicon Strip Tracker at the Vrije Universiteit Brussel

The Interuniversity Institute for High Energies or IIHE in Brussels (http://w3.iihe.ac.be/) combines the experimental particle physics and astroparticle physics research groups from two Brussels universities (Vrije Universiteit Brussel and Universite Libre de Bruxelles). The IIHE is currently involved in frontier research in large international collaborations: CMS (at the LHC), IceCube and ARA (astroparticle physics at the South Pole), H1 (DESY, Hamburg), OPERA (CERN-GranSasso), and in R&D in data acquisition systems. A CMS Grid Tier2 computing center provides ample analysis resources. The working language is English.

We were involved in the construction of the CMS Silicon Strip Tracker, where we still hold responsibilities for calibration and operation. Related to the Silicon Tracker we contribute in the CMS Tracker Detector Performance Group as well as in the identification of b-quark jets. At the same time we are involved in the Tracker Phase-2 Upgrade simulation studies. The IIHE group is leading numerous object reconstruction and physics analyses efforts at the CMS experiment. The CMS team in Brussels consists of about 40 physicists, engineers and support staff, and combines researchers working on both experimental and phenomenological aspects of physics at the Large Hadron Collider.

The IIHE group has an opening for a postdoctoral researcher to strengthen our efforts in the CMS Silicon Strip Tracker project. During the LS1 shutdown the Strip Tracker will need to be prepared to run cold. Through this position the IIHE strengthen its involvement in the online recommissioning of the Strip Tracker and the offline activities to prepare for the high-energy LHC run.

We are seeking an outstanding individual who has obtained (or is about to obtain) a Ph.D. in experimental particle physics. A position for two years is available starting in Spring 2013 to contribute to the operational aspects of the CMS Silicon Strip Tracker. The successful candidate will be based at CERN.

The review of applications will begin on April 15th and will continue until the position is filled. Applicants should send their curriculum vitae, a list of publications indicating their personal contributions and a short statement of research interests and areas of expertise, all in pdf format, to Prof. Jorgen D'Hondt (Jorgen.DHondt@vub.ac.be).

Also please arrange for three letters of reference to be sent directly to the same email address.

Also the following staff members of the group can be contacted to obtain more information and for informal inquiries: Freya Blekman, Gilles De Lentdecker and Steven Lowette.