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, IceCube and ARA, H1, OPERA, and in R&D in data acquisition systems. The working language is English.

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. Within CMS, the IIHE group is leading numerous physics analyses and object reconstruction efforts. A CMS Grid Tier2 computing center provides ample analysis resources. On the detector side, the institute was amongst others involved in the construction of the CMS Silicon Strip Tracker, where still responsibilities for calibration and operation are held, and where we seek to expand our activities towards the phase-II upgrades.

The IIHE group has an immediate opening for both a postdoctoral researcher and a PhD student. For the post-doc position, we are seeking an outstanding candidate who has obtained (or is about to obtain) a Ph.D. in experimental particle physics. A position for two years is available, with the possibility of extension. The doctoral student position is meant to lead to a PhD in experimental particle physics within four years, and is open to candidates that hold (or are about to receive) a Masters degree in physics (or equivalent).

The successful candidates will be expected to prepare for a leading contribution in the LHC Run-II data analysis in the area of dark matter, in particular in searches for direct production of dark matter. On the detector side contributions are expected to the CMS strip tracker operations, as well as to the R&D on the phase-II upgrade activities around the track trigger. The positions are based in Brussels, with frequent travel possible to attend collaboration meetings, workshops, schools, and conferences.

The positions are open to candidates of any nationality. The review of applications will begin on July 25th, and will continue until the position is filled. Applicants should send their curriculum vitae, a separate list of publications indicating their personal contributions (for the post-doc position), and a statement of research interests, all in pdf format, to Prof. Steven Lowette (steven.lowette@vub.ac.be). At
least three letters of recommendation for the post-doc position, and two for the student position, should be arranged to be sent to the same email address.

For more information, please contact via the following coordinates:

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