There is a postdoctoral position open in the VUB group. Please take a look at the inspireHep link here: https://inspirehep.net/record/1376364

Summary:
The VUB group makes important contributions in the area of CMS data analysis, in particular both focusing on SM top physics measurements and searches for physics beyond the standard model. The VUB also has leading roles in LHC interpretations of searches for Dark Matter and bottom quark identification, and has previously initiated the coordination of both the top physics and top-like-BSM physics analysis groups in CMS.

The successful candidate is expected to play a leading role in the team's activities on searches for BSM physics using top quark signatures, a very diverse research area. In addition he or she is expected to effectively collaborate and work on the technical tools shared with the other analysis teams at the VUB. Supervision of masters and doctoral students is possible if the candidate expresses an interest, as is a small teaching load. Frequent travel to CERN is expected. Knowledge of HEP common software, such as ROOT, is required. Experience in data analysis of high-energy physics experiments is essential.

The two-year postdoctoral contract is expected to start in Fall 2015. A one-year extension is possible under mutual agreement.

The successful candidate should hold a Doctorate in Particle Physics and will be based in Brussels at the IIHE, the joint hep-ex laboratory of the Université Libre de Bruxelles and the Vrije Universiteit Brussel. The IIHE is one of the founding members of CMS and has had a key role in the development, installation and commissioning of the CMS muon and tracker detectors. The IIHE hosts one of the Belgian T2s and local users have direct access to the large computing cluster dedicated to CMS. There is close collaboration with the theory groups at the ULB and the Université Catholique de Louvain, while the VUB phenomenology group works directly in the IIHE. More than 75 scientists from all over the world are based currently at the IIHE, of which over 50% are non-Belgian and over 30% are women. The working language is English.

The contact person for informal questions is freya.blekman@cern.ch