PhD student position in experimental particle physics (LHCb)

Applications are invited for a PhD student position at the Laboratory for High Energy Physics (LPHE, lphe.epfl.ch) of the Ecole Polytechnique Fédérale de Lausanne (EPFL). The successful candidate will join the LHCb experiment where our high-energy physics group is strongly involved. LHCb is a particle physics experiment running at CERN’s Large Hadron Collider and dedicated to the study of heavy flavour physics and CP violation. In the context of a major upgrade of the experiment, our group is constructing a new tracker, based on scintillating fibres (SciFi), to be installed for the start of Run 3 data-taking in early 2021. The PhD thesis work will include physics analysis of LHCb data and detector related tasks. The position, which also involves teaching duties, becomes available on March 1, 2019. The selected PhD student will need to enroll in the Physics program of the EPFL doctoral school. After one year of successful probation, the initial contract will be extended up to a total of four years.

Applicants must hold a Master degree (or equivalent) in Physics, or expect to hold such a degree by the start of employment. Knowledge in particle physics is required. Experience with data analysis, computer programming and/or detectors is desirable. Applicants should send a single pdf including the following documents in this order: motivation letter, cv, academic transcripts and names of references via e-mail to the LPHE secretariat (Corinne.Craman@epfl.ch). In addition, they should arrange for two letters of reference to reach the same address. All complete applications (including letters) received before or on November 30, 2018, will be considered. More information can be obtained from Prof. L. Shchutska (Lesya.Shchutska@cern.ch) or Prof. O. Schneider (Olivier.Schneider@epfl.ch).