Open positions at the LPHE

PhD student position in tracking detector R&D for particle physics

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 lab is strongly involved in the LHCb project, a particle physics experiment at CERN’s Large Hadron Collider dedicated to the study of heavy flavour physics and CP violation. In the context of a major upgrade of the detector, the EPFL group is presently constructing a new tracker, based on scintillating fibres (SciFi) read out with Silicon Photomultipliers (SIPMs), to be installed in time for the start of Run 3 data-taking in early 2021. The successful candidate will work on detector R&D in view of further improvements of the LHCb tracking system or for other applications. The position, which also involves teaching duties, becomes available on January 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 Applied Physics, or expect to hold such a degree by the start of employment. Some knowledge in particle physics as well as a strong motivation for hardware developments are required. Applicants should send their CV, motivation letter 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 September 30, 2018, will be considered. More information can be obtained from Prof. O. Schneider (Olivier.Schneider@epfl.ch).