Open positions at LPHE

There is currently 1 open position.

- **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 work on the LHCb experiment where the EPFL 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, 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 PhD thesis will be have one of the two following main orientations:

- physics analysis of LHCb data, together with LHCb detector related tasks; or
- 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 September 1, 2018.

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 their CV, motivation letter (expressing interest for one or both orientations) 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 May 15, 2018, will be considered.

More information can be obtained from Prof. O. Schneider (Olivier.Schneider@epfl.ch).