Job description:

The Institute of High Energy Physics (IHEP) of the Chinese Academy of Sciences (CAS) in Beijing invites applications for several postdoctoral research positions in the IHEP LHCb group. The IHEP group joined LHCb collaboration in June 2018 and is currently active in the Upstream Tracker project for LHCb phase I and phase II upgrade, while involved in the physics analyses in heavy hadron spectroscopy, rare decays, and BSM. The group is also interested in silicon detector development for future collider experiments.

The successful candidates are expected to either play a leading role in MAPS silicon detector R&D for LHCb phase II upgrade and future e-e collider , and/or work on physics analyses with LHCb data. The physics analyses topics could be on but not limited to the searches and studies of exotic heavy hadron states or CKM parameter measurements, and the silicon detector R&D topics including electronic system design, detector prototypes & components tests in the local lab, and system-level studies for future detectors. Relevant experiences such as LHCb software development, detector development and operation, trigger and DAQ electronics design, and FPGA programming will be highly considered.

These positions are based at at IHEP with occasional travels to CERN, depend on the tasks that the post-holders carried on.

Successful candidates will receive a competitive salary for either CERN or Beijing areas; applications for other CAS or IHEP fellowships are encouraged for extra benefit. Financial supports will be provided for conferences. All the positions are expected to start soon, lasting for two years with the possibility of extension.

Applicants must have obtained a doctoral degree in experimental particle physics in the past 5 years, or expect to graduate before the start of employment. Interested applicants are kindly asked to send
• a brief statement of research interest and experience
• a CV
• a list of publications
• three letters of references
to Prof. Zijun Xu (xuzj@ihep.ac.cn)