

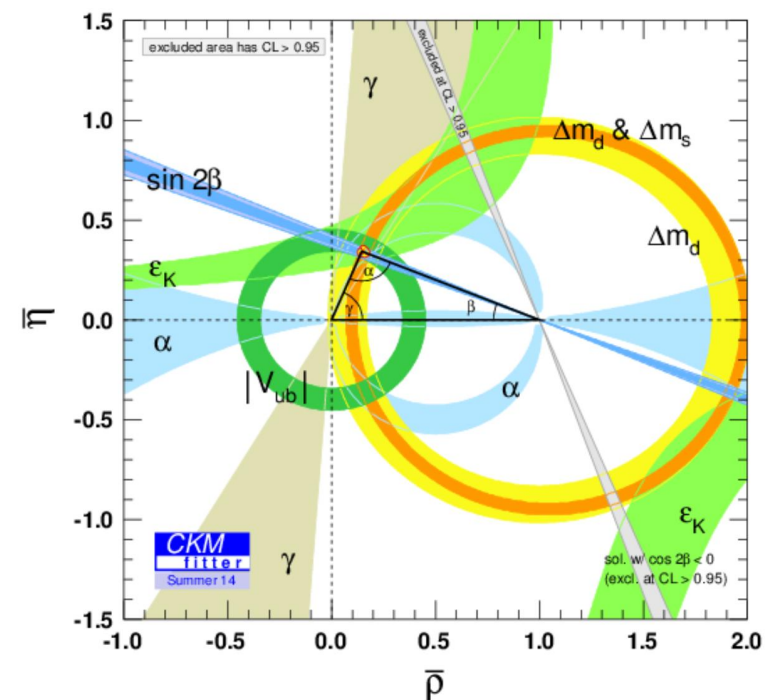
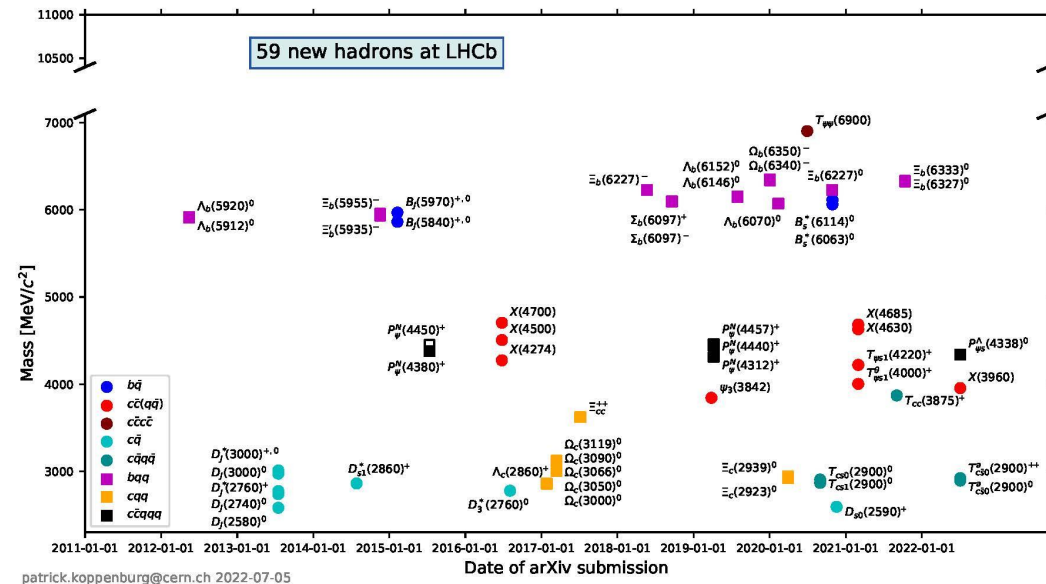
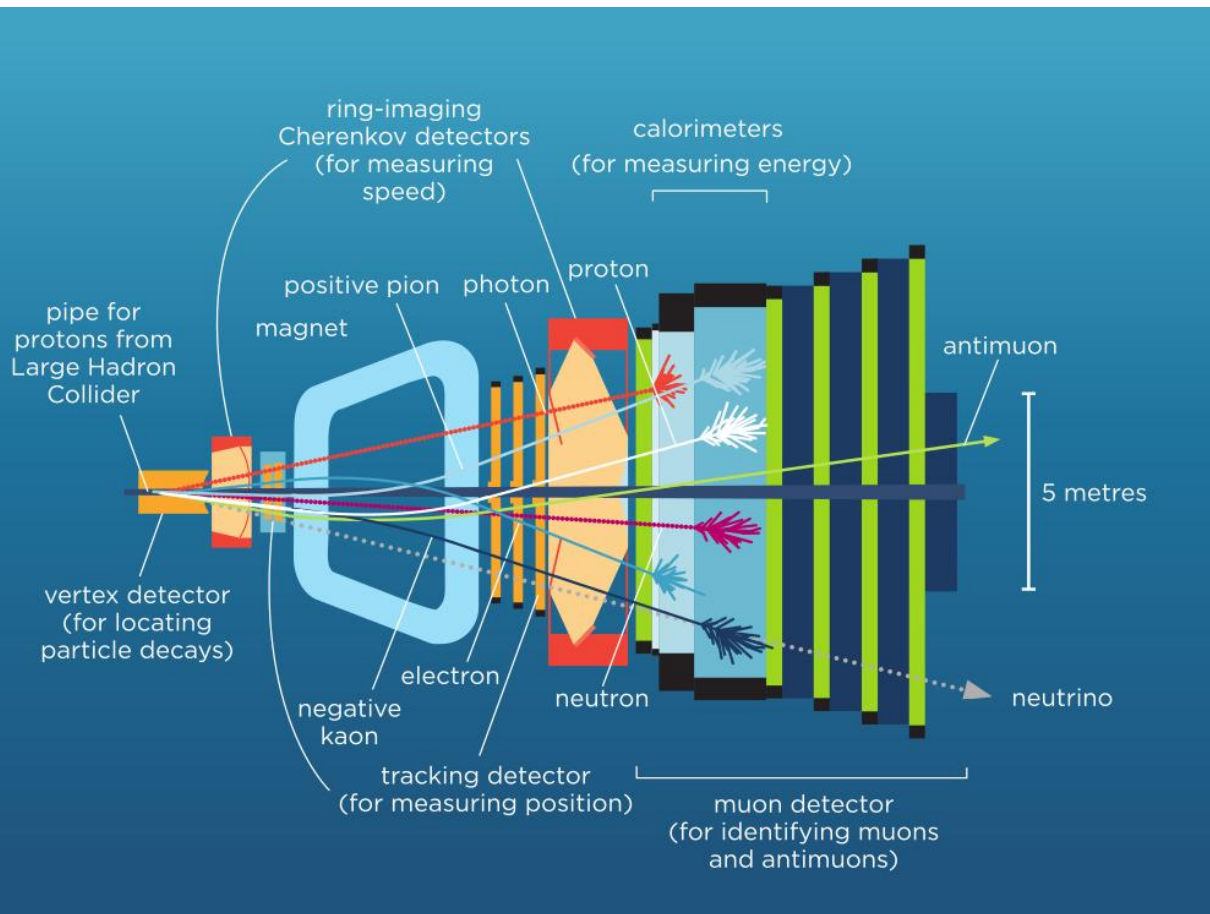
LHCb Postdoctoral Positions IHEP, Beijing

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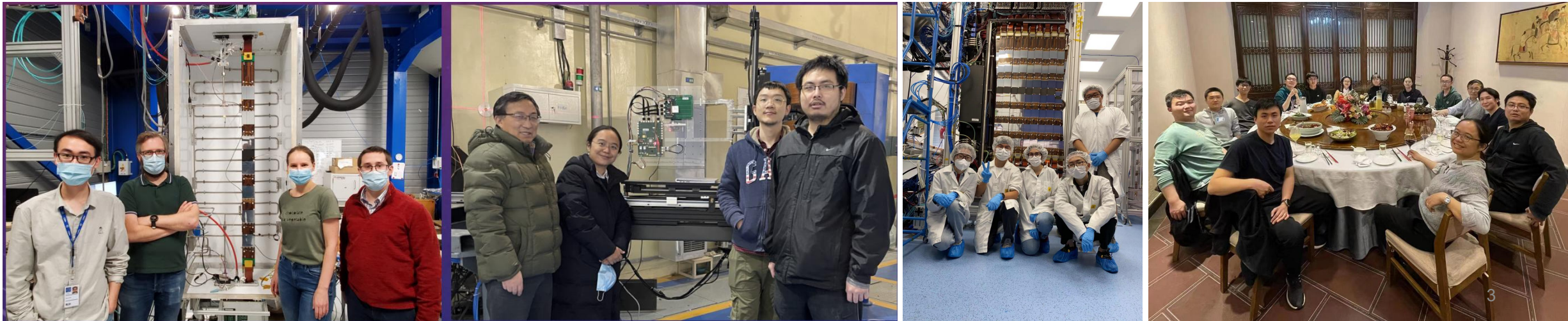
<https://inspirehep.net/jobs/2172739>

LHCb



IHEP LHCb team

- team member:
 - 5 faculty researchers: Jianchun Wang, Yiming Li, Shanzhen Chen, Zijun Xu, Xuhao Yuan
 - 4 postdoc from China, Korean, Mongolia, US
 - 10+ PhD students
- analysis: heavy hadron spectroscopy, rare decays, and CKM matrix ...
- detector: LHCb UT(Upstream Tracker), HV-CMOS pixel R&D, CEPC/ATLAS/AMS Tracker ...



Postdoctoral Positions

- physics analyses
 - could be on but not limited to the searches and studies of exotic heavy hadron states or CKM parameter measurements
 - new research interests and ideas to the group is welcome
- silicon detector R&D
 - 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.

Postdoctoral Positions

- based at IHEP with occasional travels to CERN, or at CERN, depend on the tasks
- a competitive salary for either CERN or Beijing areas
- two years with the possibility of extension
- Supervisor: whichever PI aligns most closely with the selected project

Job description:

The Institute of High Energy Physics (IHEP) of the Chinese Academy of Sciences (CAS) in Beijing invites applications for three 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 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 physics analyses with LHCb data, or work on silicon detector R&D. 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 can be based at CERN, or 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 in 2023, lasting for two years with the possibility of extension.

Applicants must hold a doctoral degree in experimental particle physics 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

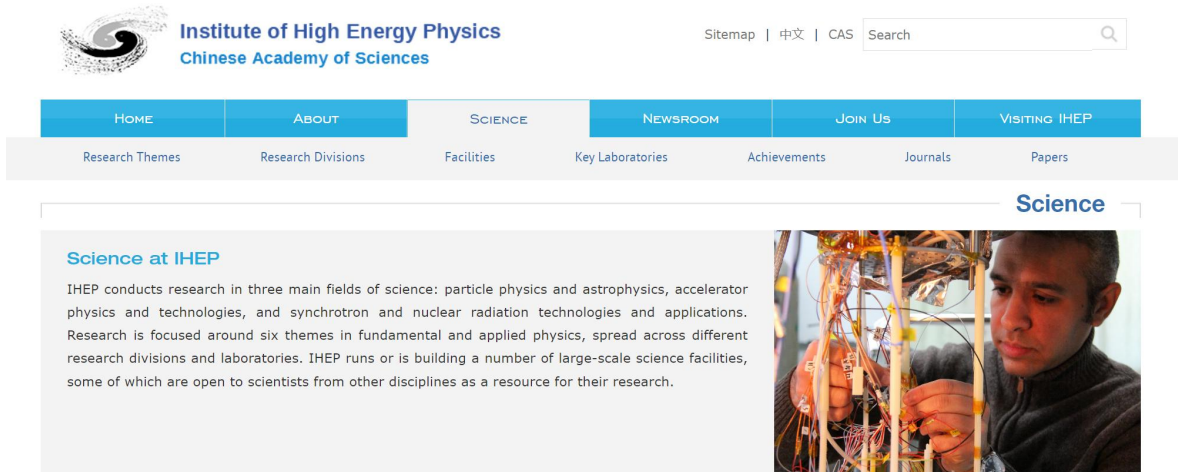
to Prof. Shanzhen Chen (shanzhen.chen@ihep.ac.cn) and Prof. Zijun Xu (xuzj@ihep.ac.cn), Prof. Xuhao Yuan (xuhao.yuan@cern.ch). Questions and inquiries about the positions can be directed to the same addresses. Applications will be reviewed shortly after they are received, and the positions will remain open until filled.

Contact: Chen, Shanzhen (shanzhen.chen@ihep.ac.cn); Xu, Zijun (xuzj@ihep.ac.cn); Yuan, Xuhao (xuhao.yuan@cern.ch)

Letters of Reference should be sent to: shanzhen.chen@ihep.ac.cn, xuzj@ihep.ac.cn, xuhao.yuan@cern.ch

IHEP, Beijing

- <http://english.ihep.cas.cn/se/>



The screenshot shows the IHEP website homepage. At the top left is the IHEP logo and the text "Institute of High Energy Physics Chinese Academy of Sciences". To the right is a search bar and a language selector with "Sitemap | 中文 | CAS". Below this is a navigation menu with tabs for HOME, ABOUT, SCIENCE, NEWSROOM, JOIN US, and VISITING IHEP. Under each tab are sub-links: HOME (Research Themes), ABOUT (Research Divisions), SCIENCE (Facilities), NEWSROOM (Key Laboratories, Achievements, Journals, Papers), JOIN US, and VISITING IHEP. The main content area is titled "Science" and contains a section "Science at IHEP" with a paragraph of text and a photo of a scientist working on a complex piece of equipment.

Research Themes

IHEP's research themes cover particle and astroparticle physics, accelerator physics and technology, radiation technologies and applications, nuclear analytical techniques and interdisciplinary research.

- > Accelerator Technology and Science
- > Particle Physics
- > Astroparticle Physics
- > Multi-Disciplinary Research
- > Computing
- > Technology Transfer

Research Divisions

Organizationally, IHEP is divided into one branch and seven research divisions, roughly corresponding to the main research themes.

- > Dongguan Branch
- > Division for Experimental Physics
- > Particle Astrophysics Division
- > Theoretical Physics Division
- > Computing Center
- > Accelerator Division
- > Multi-disciplinary Research Division
- > Division of Nuclear Technology and Applications

Key Laboratories

Within the research divisions, IHEP has set up several national and CAS key laboratories and centers for more specific research in particle physics, astroparticle physics, nuclear physics, nano-materials and so on.

- > Division for Experimental Physics
- > Particle Astrophysics Division
- > Theoretical Physics Division
- > Computing Center

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