

# Brief Introduction of Institute of High Energy Physics (IHEP)

The Institute of High Energy Physics (IHEP) is the biggest and comprehensive fundamental research center in China. IHEP is staffed with 1131 people, including over 826 physicists and engineers. In addition, there are 413 graduate students and post-doctors in IHEP. The current director is Prof. Chen Hesheng.

The major research fields of IHEP are particle physics, accelerator physics and technologies, radiation technologies and application, including the following leading research areas:

- Particle physics experiments: BESIII, neutrino experiments, experiments at LHC and B-factories...
- Theoretical Physics: particle physics, medium and high energy nuclear physics, cosmology, field theory...
- Particle astrophysics: cosmic ray, astrophysics experiments...
- Accelerator physics and technology: high luminosity  $e^+e^-$  collider, high power proton accelerator, accelerator applications...
- Synchrotron radiation: technology and application;
- Nuclear analytical technique and application;
- Multiple Discipline Research;
- Free electron laser;
- Nuclear detector and fast electronics;
- Computing and network application;
- Radiation safety.

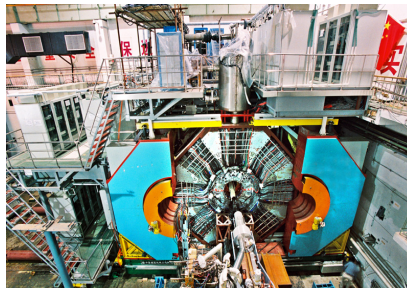
The main research facilities at IHEP are:

- Beijing Electron Positron Collider (BEPCII)
- Beijing Spectrometer (BESIII)
- Beijing Synchrotron Radiation Facility (BSRF)
- Yangbajing International Cosmic Ray Observatory in Tibet
- Daya Bay Reactor Neutrino Experiment
- China Spallation Neutron Source (CSNS) (under construction)

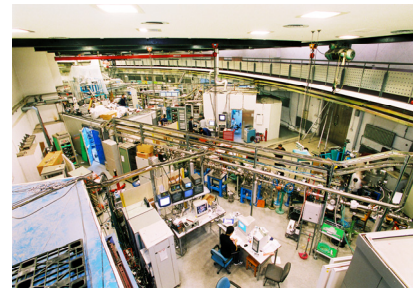
IHEP has extensive cooperation with many national laboratories and participates in many important particle physics experiments in the world.



BEPCII



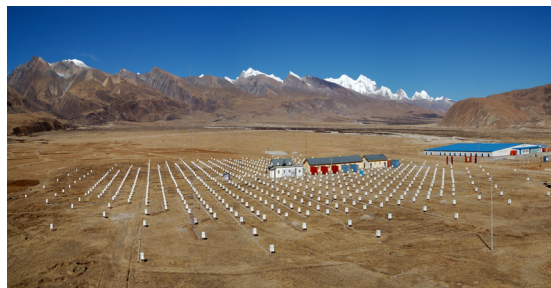
BESIII



BSRF



Daya Bay Reactor  
Neutrino Experiment



Yangbajing International Cosmic Ray  
Observatory in Tibet



CSNS