

INTERNATIONAL WORKSHOP ON HIGH ENERGY CIRCULAR ELECTRON POSITRON COLLIDER

**November 6-8, 2017
IHEP, Beijing**

<http://indico.ihep.ac.cn/event/6618>

International Workshop on High Energy Circular Electron Positron Collider (CEPC)

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The International Workshop on High Energy Circular Electron Positron Collider (CEPC) will be held from November 6 to 8, 2017, at the Institute of High Energy Physics (IHEP), in Beijing, China.

The workshop aims at gathering scientists around the world to explore the potential of CEPC as a Higgs factory. The focuses will be the measurement of the Higgs properties with high precision, probing new physics through the Higgs boson, to study the full spectrum of the physics cases, to further develop the conceptual design of the accelerator and the detector, as well as the simulation studies and R&D of critical technologies. The possible upgrade path of the CEPC, including a Super proton-proton Collider (SppC), will be examined. The workshop topics include

- ✓ Study of the Higgs boson at the Circular Electron Positron Collider (CEPC)
- ✓ Precision electroweak measurements at the Z pole and the WW threshold
- ✓ Flavor physics and QCD study at the Z pole
- ✓ Design of the CEPC accelerator
- ✓ Design of detectors at the CEPC
- ✓ Challenges of a high luminosity CEPC as a Higgs (Z) factory
- ✓ Design of a 100 TeV circular Super proton-proton Collider (SppC)
- ✓ Organization and Internationalization of the CEPC study group
- ✓ Cooperation between research institute and industry on HT super conducting magnet

One main purpose of this workshop is to make the CEPC study much more international by having broad participation and contributions globally, and to elevate the CEPC study group to an international organization. More workshop information is available in the bulletin and website <http://cepcws17.ihep.ac.cn/>

We invite you to participate in the workshop. If you would like to make a presentation, please indicate the topics and provide a few lines on the contents at the registration page.

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For the Local Organizing Committee