

# Introduction

CEPC Physics and Detector Plenary Meeting  
Wednesday, May 13, 2026

<https://indico.ihep.ac.cn/event/29449/>

Joao Guimaraes

# Agenda

## CEPC Physics and Detector Plenary Meeting



Wednesday May 13, 2026, 3:00 PM → 5:10 PM Asia/Shanghai

122 (IHEP Multi-Disciplinary Building)

**Description** Meeting URL:

<https://zoom.us/j/99845275219?pwd=JOSplxGdF11DI5KCKaCbvwfWNZ205N3.1>

ID: 998 4527 5219

Password: 773321

**3:00 PM** → 3:10 PM

### Introduction

🕒 10m



**Speakers:** Haijun Yang (Shanghai Jiao Tong University), Imad LAKTINEH (IPNL), Jianchun Wang (IHEP), Joao Guimaraes da Costa, Miao He (IHEP)

**3:10 PM** → 3:35 PM

### Potential of a HEPS testbeam site

🕒 25m



**Speaker:** Yong Liu (Institute of High Energy Physics)

**3:35 PM** → 4:00 PM

### Drift Chamber prototype and beam test planning

🕒 25m



**Speaker:** Mingyi Dong (IHEP)

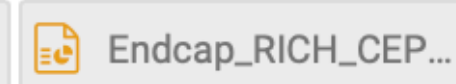
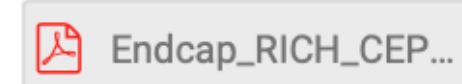
**4:00 PM** → 4:25 PM

### Simulation study of the Cherenkov detector

🕒 25m



**Speaker:** 昶儒 李 (南京大学)



**4:25 PM** → 4:45 PM

### Exploring Agentic AI for CEPC Software Development and Validation

🕒 20m



**Speaker:** Tao LIN (高能所)

# Detector Concept Naming Discussion

- **Name Guidelines**

- Name to be used for both CEPC and FCC projects
- Cannot have CEPC in the name
- Exclude any names that have been used before in particle physics
- Emphasize scientific terms
- Emphasize what differentiates this project from others:
  - e.g. calorimeter: Crystal plus glass calorimeter
  - e.g. detector is not particularly compact
- Avoid chinese mythology since name needs to be international and used at FCC. We don't want to give the impression this is a chinese detector only
- *Advisable: avoid the use of "Higgs" in the name since FCC focus is actually the high luminosity Z run, at least at this time*
- ....

- **Selection procedure proposal:**

- Propose more names to Shanzhen → see talk
- Select a subset that satisfies requirements → management to make selection by end of the week
- Vote on the name

# FCC-related activities

- **Cao Jun's visit to CERN**

- Meeting with CERN director and FCC leadership
  - End of European Strategy process and endorsement of FCC-ee likely to happen by May 22 at a Council meeting in Hungary
  - FCC interaction very positive. Encouraged to participate in detector and physics activities, and eventually propose our concept
  - Definition of in-kind contributions only to happen later

- **FCC Week**

- <https://indico.cern.ch/e/fccweek2026>
- Helsinki, Finland, from 8 to 12 June 2026
- **Talks:**
  - CEPC detector R&D: Joao Guimaraes in the PED detectors sessions
  - Leverage synergies between CEPCSW and FCCSW: Shengsen Sun in the PED physics software and computing session
  - Polarisation in CEPC: Zhe Duan in the PED EPOL sessions

The end