CEPC Weekly Meeting (2024-12-17)

❖ Weekly software meeting

- https://jupyter.ihep.ac.cn/faX6jrBATtGiKBfVbkLH5Q

❖ Software progress

- Core software: Background piling-up at the event level (done)
    - Need to know the readout window for each sub-detector
- OTK: detector simulation with updated geometry (done)
- Calorimeter: the reconstruction algorithm for end-cap (on-going)
- Simulation of silicon detectors: simplifying passive material (on-going)
- Global track fit: eliminating unnecessary geometry conversion (on-going)
- Tool for drawing material distribution insider detector volume (done)
- Event display based on Phoenix (done)

❖ The writing of Chapter 13 (on-going)

- Hideki has agreed to contribute to the R&D section on the application of quantum computing