

# CEPC Weekly Meeting (2024-12-10)

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## ❖ Weekly software meeting

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

## ❖ Software progress

- Performance studies with software release [tdr24.12.0](#)
  - All identified tracking issues have been fixed
  - A BMR of approximately 3.8% in the ECAL barrel has been achieved
- [Calorimeter](#): the reconstruction algorithm for end-cap ([on-going](#))
- [OTK](#): detector simulation with updated geometry ([on-going](#))
- [Simulation of silicon detectors](#): simplified passive material ([on-going](#))
- Implementation of background piling-up ([on-going](#))
- [Event display with Phoenix](#)
  - The event data in the EDM4hep format can be read and displayed by the tool and the first version will be released soon

## ❖ The writing of Chapter 13 is ongoing

- JINR has agreed to join us and contribute to the computing sections<sup>1</sup>