



- ❖ We want to have a new reference detector design, so that the subdetectors can be optimized within this frame.
  - Basing on the CDR design.
  - A full silicon tracker, + 1 or 2 drift chamber(s) mainly for dEdX PID.
  - A horizontal crystal bar ( $\sim 1 \times 1 \times 40 \text{ cm}^3$ ) solution for the ECAL. The inner radius of ECAL  $\sim 1.8 \text{ m}$  or  $\sim 1.5 \text{ m}$ .
  - A HTS magnet between the ECAL & the HCAL, providing 3 Tesla for the Higgs runs and 2 Tesla for the Z pole runs.
  
- ❖ We are recruiting manpower to implement the reference design. You are welcome to join the effort.
  
- ❖ Aim to have something for the CEPC workshop at the end of October.
  
- ❖ A mini workshop @ Dongguan, Aug 28-29, emphasizes on the mechanical requirements. The main motivation is to bring the mechanical design work up to speed. <https://indico.ihep.ac.cn/event/12324/>