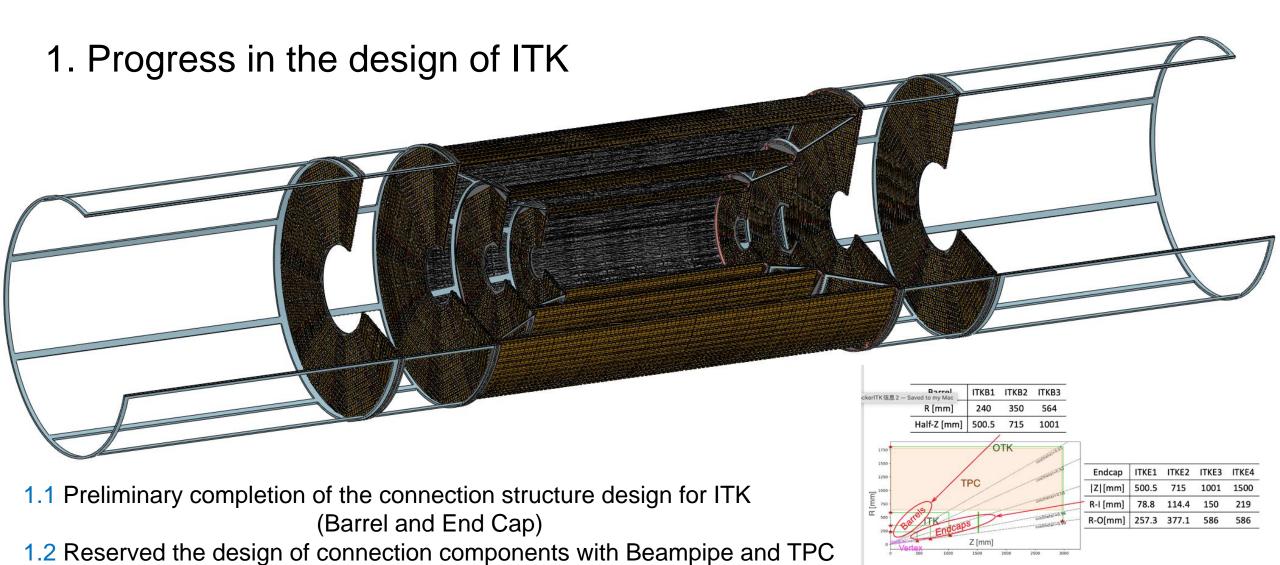
Progress in mechanical design of CEPC detector TDR

Ji Quan September 3, 2024

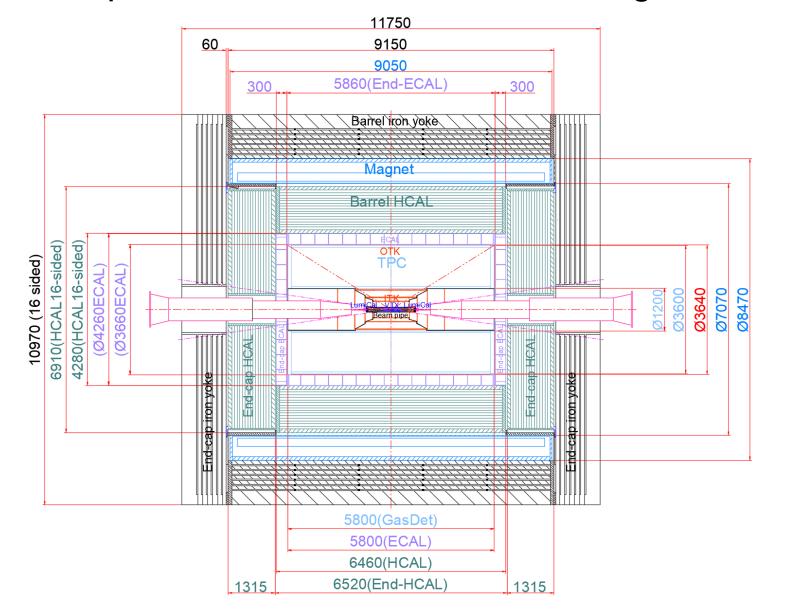


Design parameter (严琪)

Mechanical design:

Simulation analysis (structural and thermal), Structural optimization and parameter optimization

2. Completion status of the overall design



Update:

Completed sections:

YOKE (夏商)
Magnet (裴亚田, 侯治龙)
HCAL(张俊嵩, 裴亚田)
TPC (张俊嵩)
ITK (纪 全)
Beampipe (何龙岩)
LumiCAL (何龙岩)

Uncompleted sections:

ECAL OTK VERTEX

3. Completion status of the overall design

Scheduling --- Regular Mechanical Meetings

Work plan:

- 1) Complete the layout design of cable leads and pipelines
- 2) Complete the framework design of the sub detector and determine the design boundary
- 3) Complete mechanical design according to the design requirements of the sub-detector

Complete:

Within two weeks