Progress in mechanical design of CEPC detector TDR

> Ji Quan November 12, 2024

> > 1

Regular meetings (November 11)

Ref-TDR Report :

1. Mechanical main structure (calculation and analysis)

2. Cooling Structure (calculation and analysis) For the sub-detector chapter

- 3. Pipeline layout 管线排布设计
- 4. Connection structure 连接结构

For the mechanical integration chapter

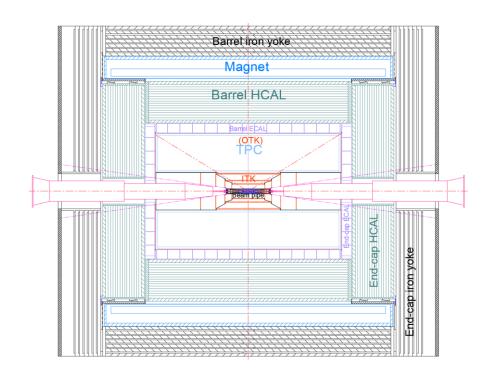
Regular meetings (November 11)

Recommendations --- IDRC

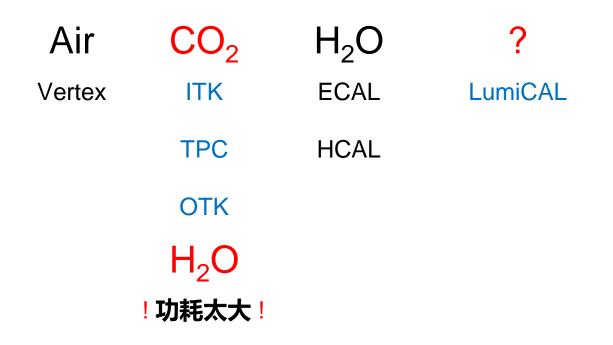
Discuss

1. Correctly size the service channels accounting for contingency. Space and material for services should also be duly considered in the simulations of the detector performance.

2. It would be important to define the considered cooling agents (air, water, CO_2 etc.) for all sub-detectors, which doesn't seem to be the case yet.



From innermost to outmost :



目的: 11月底, 将所有的子探测器机械设计基本定型