

# STCF ECAL & PID

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On Behalf of STCF Detector Group

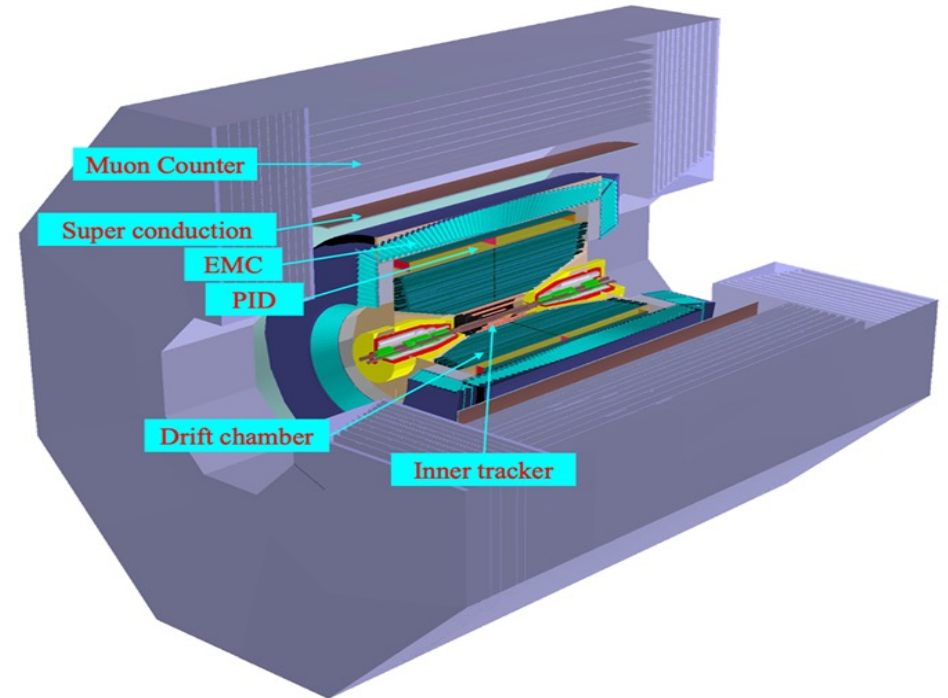
University of Science and Technology of China

01/8/2024

# Super Tau-Charm Facility

## ➤ Super Tau-Charm Facility (STCF)

- Next generation high luminosity  $e^+/e^-$  collider
- $E_{\text{cm}} \approx 2 - 7 \text{ GeV}$ , luminosity  $\sim 0.5 \times 10^{35} \text{ cm}^{-2}\text{s}^{-1}$  at 4 GeV





# Calorimeter and PID Detector

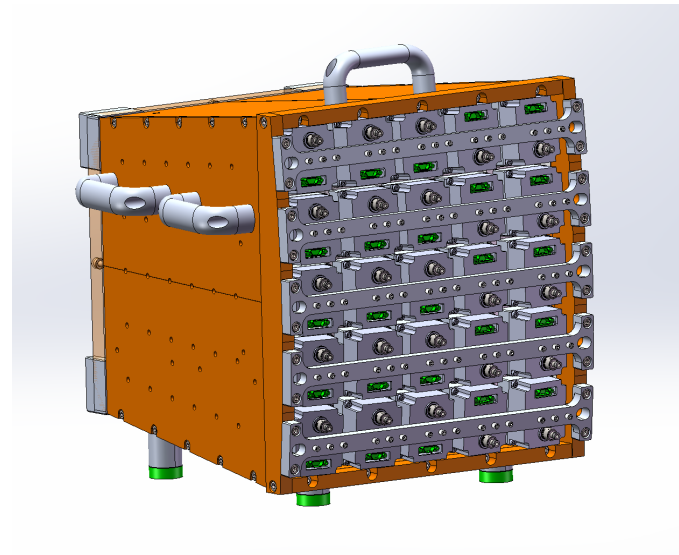
## ➤ PID Detector

- DIRC-like TOF, and RICH
- $\pi/K$  separation power of over  $4\sigma$  at  $p \leq 2 \text{ GeV}/c$ .



## ➤ ECAL

- A homogeneous calorimeter based on pure CsI crystal
- $\sigma_E$  is  $\sim 2.5\%$  @ 1 GeV
- $\sigma_t$  is 300 ps @ 1 GeV





# The shipping of Detectors

- The detectors were transported to CERN on 26/7
- We have checked in bat.157 under the help of Aboubakr





# The Detectors assemble

- 31/7, the detectors were assembled in T9
  - Thank the crane team, also Aboubakr..
  - Thank the gas team (Anastazja..)
  - The safty inspection (Alex..)
  - The Patrol training (Dipanwita..)

