

Progress of CEPC Full Simulation Software

Chengdong FU

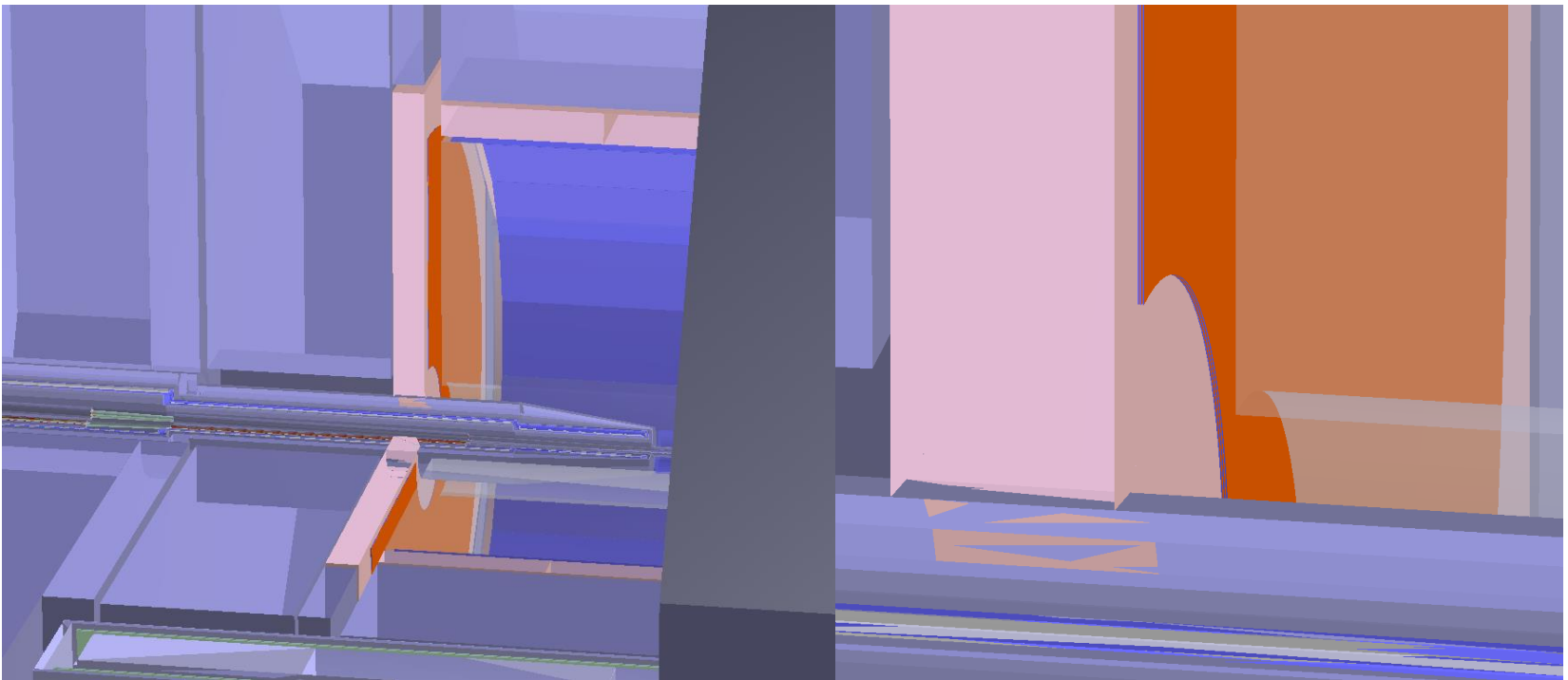
IHEP

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Geometry of ETD

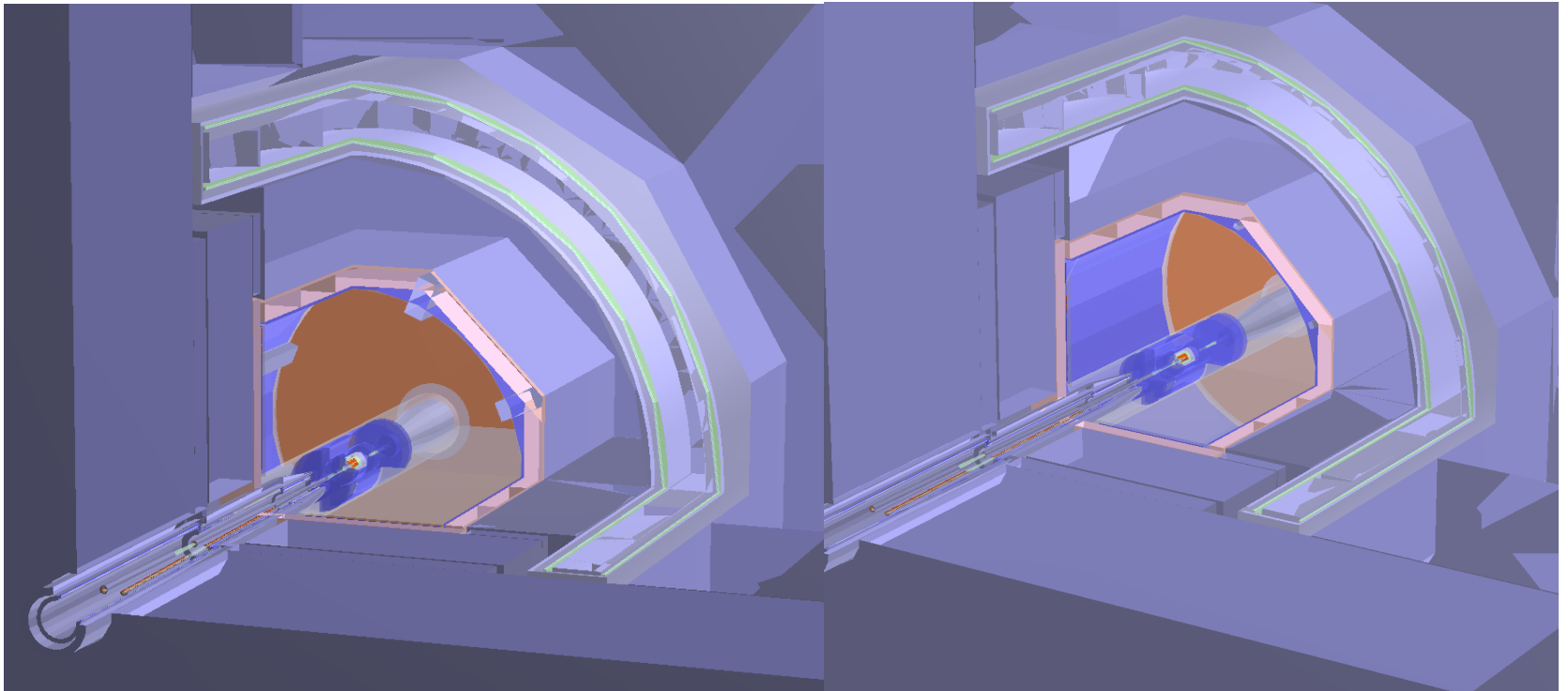
- Simplify
 - Disc: G4Tubs, sensitive + support
 - 3 layers? determined in future
- Usage
 - Driver: ETD_cepcc
 - Mokka version: xx, currently /workfs/bes/fucd/MokkaC/
 - Add into steering file:
 - /Mokka/init/EditGeometry/newSubDetector MyETD 240 ETD_cepcc etd03

database



Geometry of Laser Calibration System

- Simplify
 - No support and electronic: stainless_steel and TDR_gas (95.667%Ar+2.067%CH4+2.267%CO2)
 - Square tube: 4cm width and 5*mm thickness
- Usage
 - Driver: LaserCalibration
 - Mokka version: xx, currently /workfs/bes/fucd/MokkaC/
 - Add into steering file:
 - /Mokka/init/EditGeometry/newSubDetector LaserCalibration 250
 - /Mokka/init/userInitDouble LaserCalibrationPhi0 22.5



Geometry of TestCalorimeter

- Simplify
 - No support and electronic
 - Strip scintillator and radiator plate
- Usage
 - Driver: TestCalorimeter
 - Mokka version: xx, currently /workfs/bes/fucd/MokkaC/
 - Add into steering file:
 - /Mokka/init/EditGeometry/rmSubDetector all
 - /Mokka/init/EditGeometry/newSubDetector TestCalorimeter
- Ongoing:
 - Sensitive detector design

