

ZDC crystal calorimeter

DSTC: Yuji Goto

Detector Design

- Overview
- Detector requirements
- Radiation requirements
- PWO or LYSO crystal selection
- ELPH positron test beam

Performance

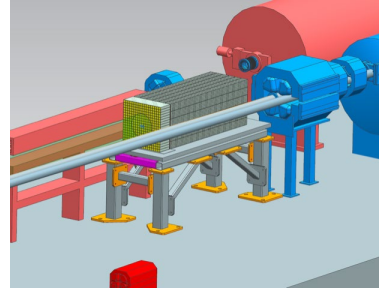
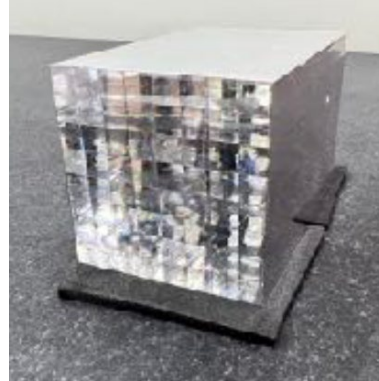
- Full event reconstruction
- Physics performance studies:
 - low-E photon & high-E π^0
 - combination with hadron calorimeter

Mechanics and Integration

- Structure
- Support structures

Status in dd4hep

- Geometry implemented
- Clustering code development



Readout

- Photosensor selection
- ASIC selection

Cooling

- TBD

Monitoring System

- TBD

Beamline integration

- TBD

Ready
Work in progress
Lots to do