

# ECAL1 & ECAL2 Shashlik description in TGeant

TGEANT\_SOURCE/TGEANT/geometries/calorimeter/src/T4ShashlikModule.cc:

Hull X size: 38.3 mm  
 Hull Y size: 38.3 mm  
 Hull Z size: 45 cm  
 Hull thickness: 0.05 mm

Agrees with  
 technical drawings

Shashlik module:

Xsize = 38.1

Ysize = 38.1

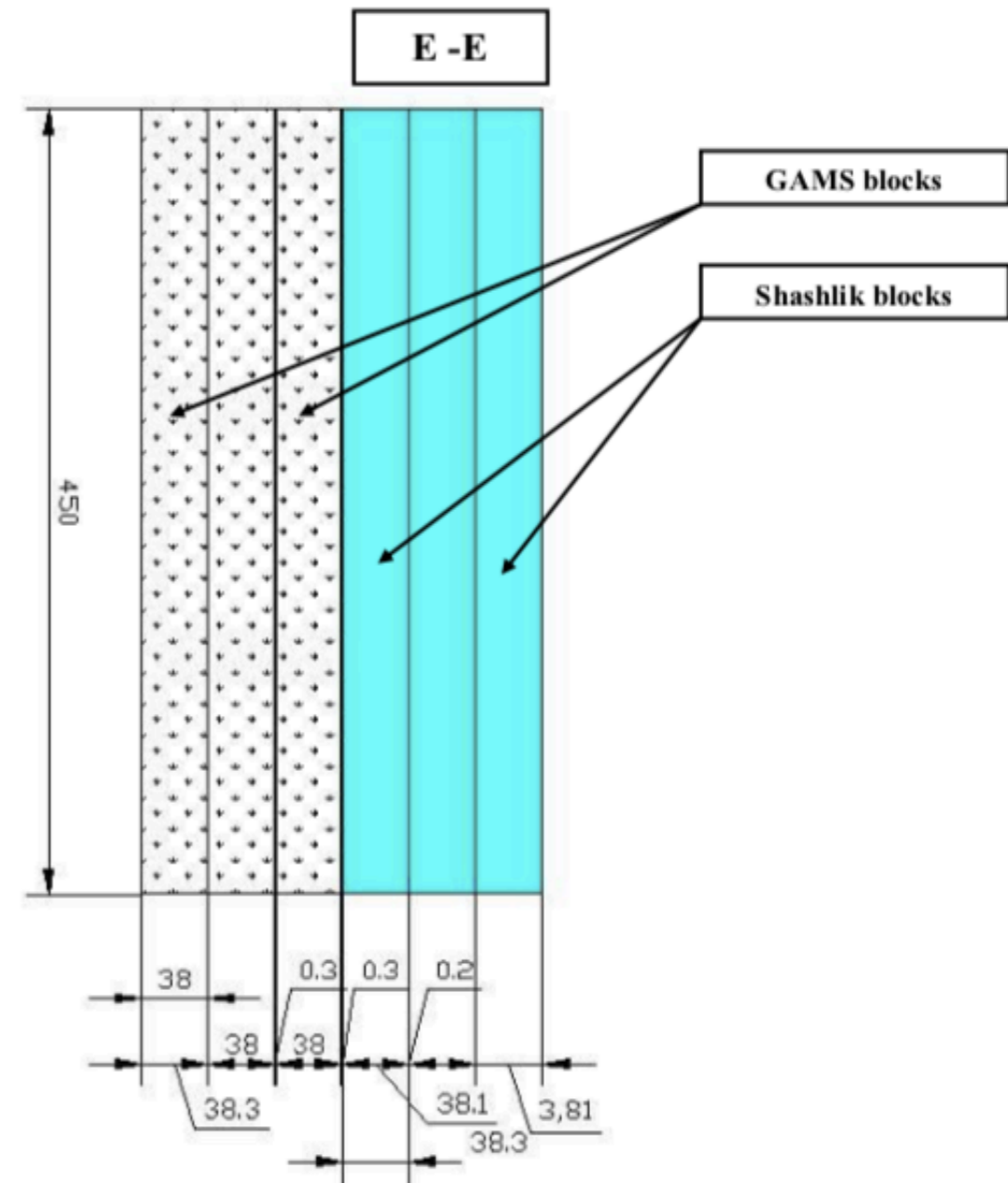
Zsize =  $155 * (1.5 + 0.8) \approx 35.7$  cm

Number  
 of layers

Scintillator  
 thickness

Absorber  
 thickness

The value  
 seen in  
 material map



According to [/cvmfs/compass.cern.ch/data/2016/P09/slot5/alignment/detectors.275478.mu+.dat](https://cvmfs.compass.cern.ch/data/2016/P09/slot5/alignment/detectors.275478.mu+.dat) the

ECAL1 Zsize is 39.35 cm

ECAL2 Zsize is 39.55 cm

# ECAL0 Shashlik module

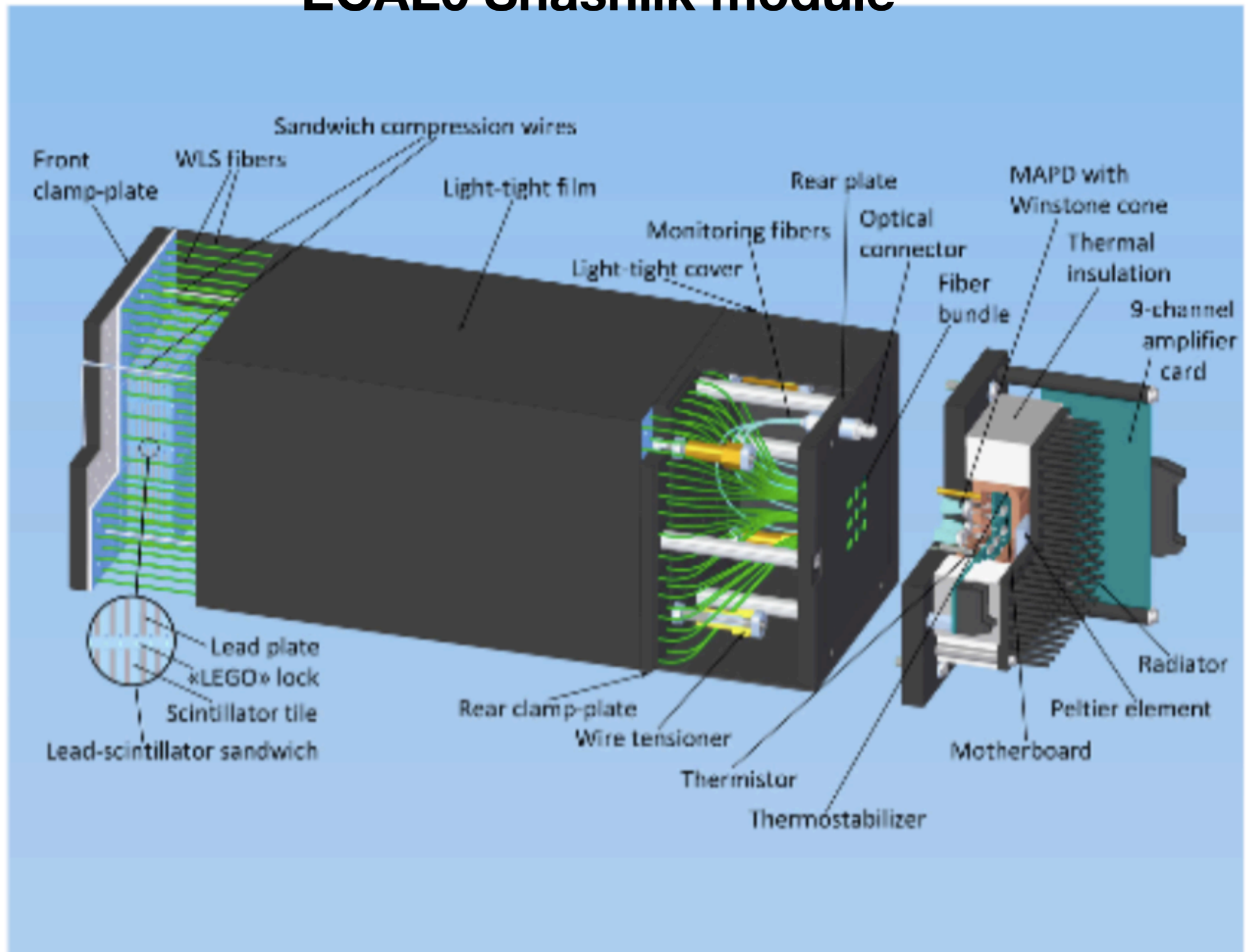
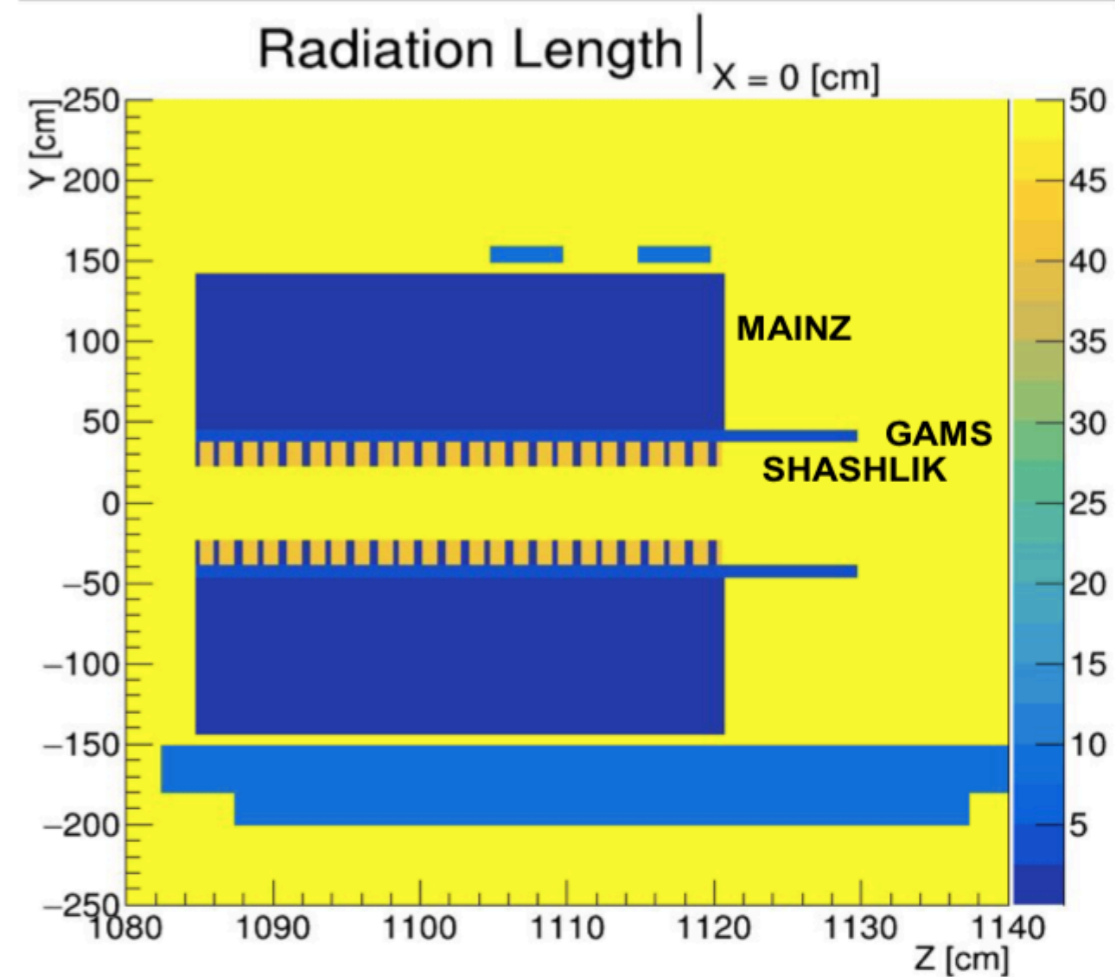
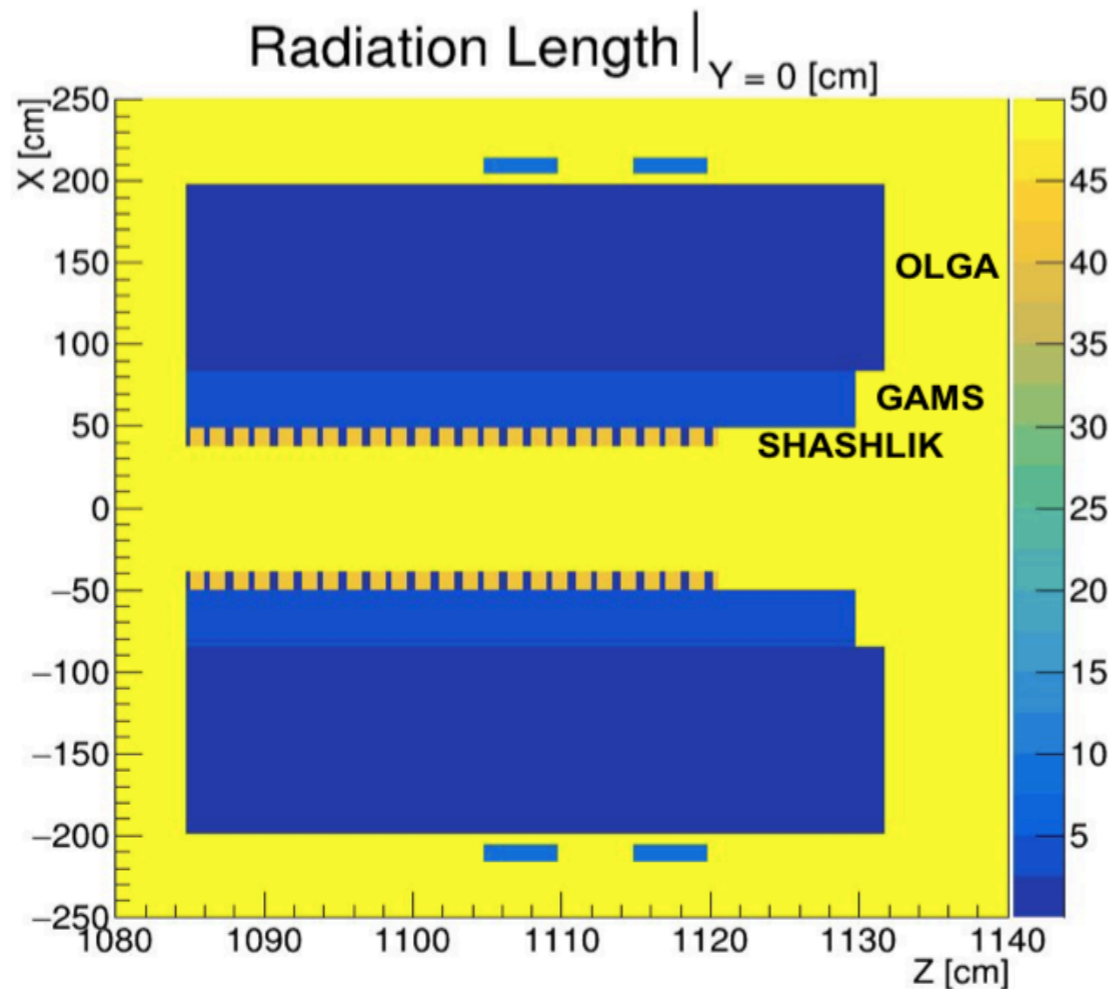


Fig. 1. The Shashlyk calorimeter module design.

# ECAL1



# ECAL2

