

ECAL Endcap geometry

P.Gauzzi – RM 1

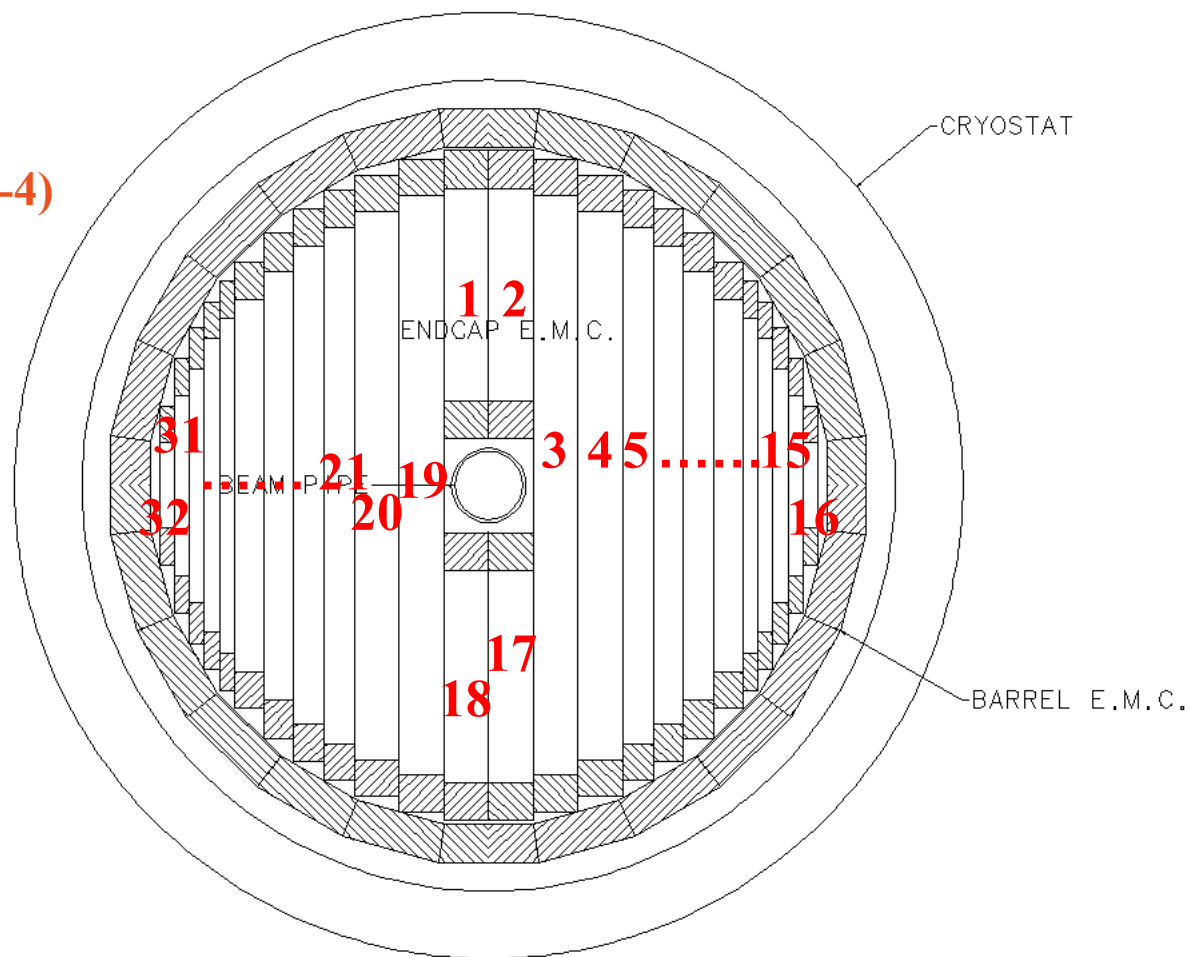
EC geometry

- **All pieces of information are available from the KLOE database**
- **Can be extracted as text files**
- **Moreover there is a more than 20 year old fortran code to generate the ECAL geometry; with the possibility of visualize it as a VRML file**

EC geometry

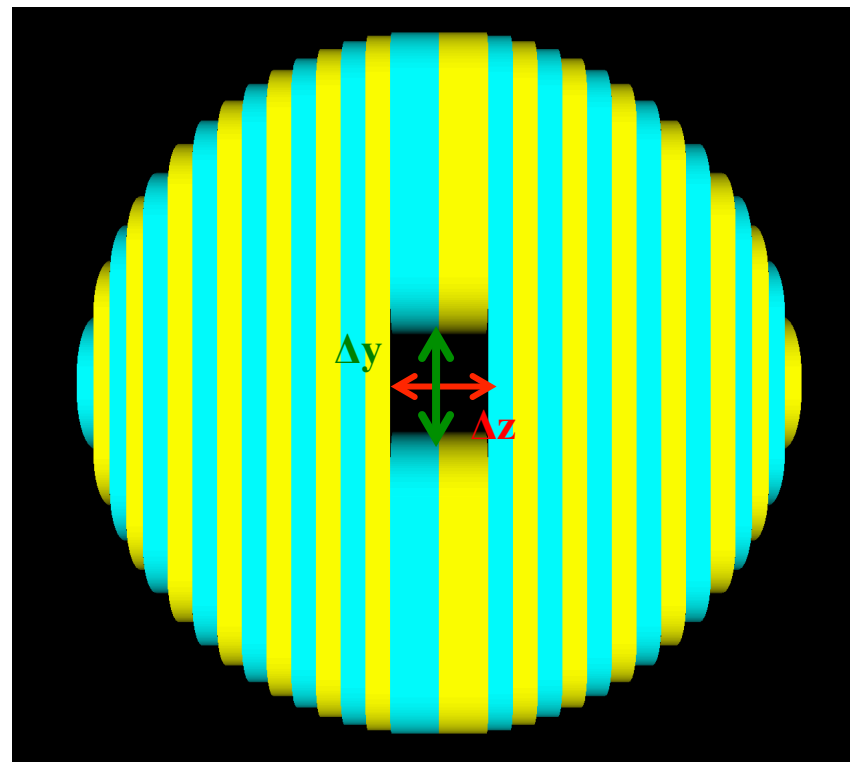
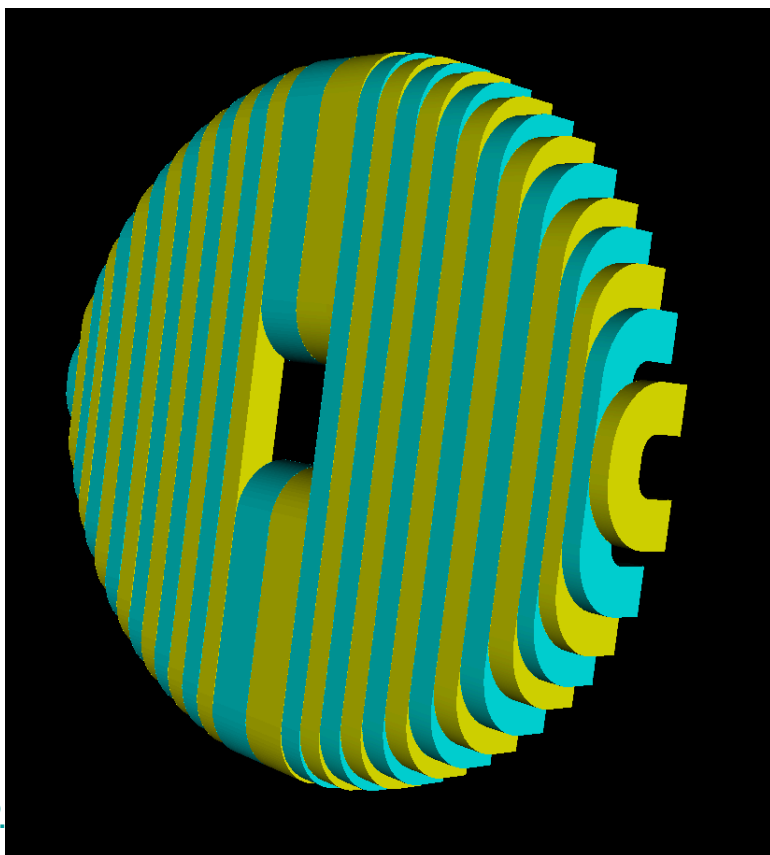
Cell size: $4.44 \times 4.44 \text{ cm}^2$ (layers 1-4)
 $5.24 \times 4.44 \text{ cm}^2$ (layer 5)

Mod. 1-2 and 17-18: 6 columns
 Mod. 3-12 and 19-28: 3 columns
 Mod. 13-16 and 29-32: 2 columns



EC geometry

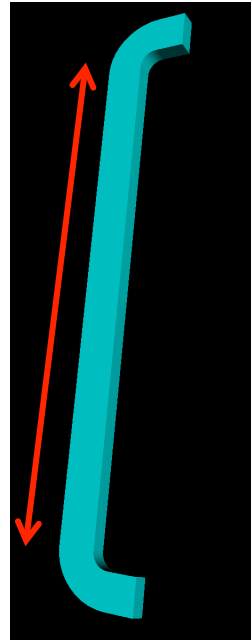
- Position: ± 169 cm from the center of the ECAL
- Central hole:
 $\Delta y = 54.70$ cm
 $\Delta z = 53.28$ cm



EC geometry

C-shape modules:

1. main straight part of different lengths
2. Curved part:
inner radius = 10 cm
outer radius = 33 cm



3. Small straight part after the curve, $L = 9$ cm

4. No straight part for the central modules near the hole

