

CEPC_v4 Geometry

Yuexin Wang

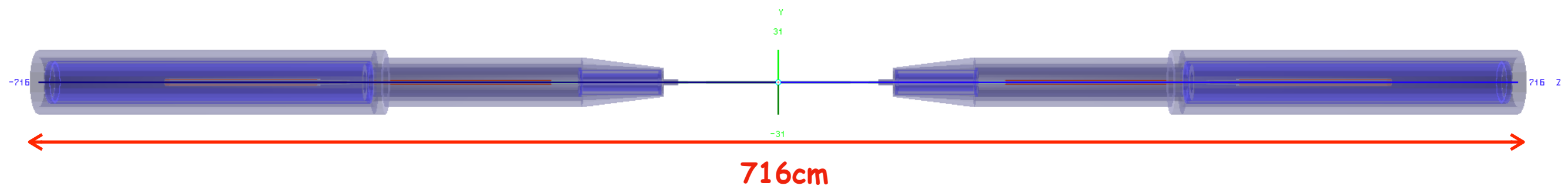
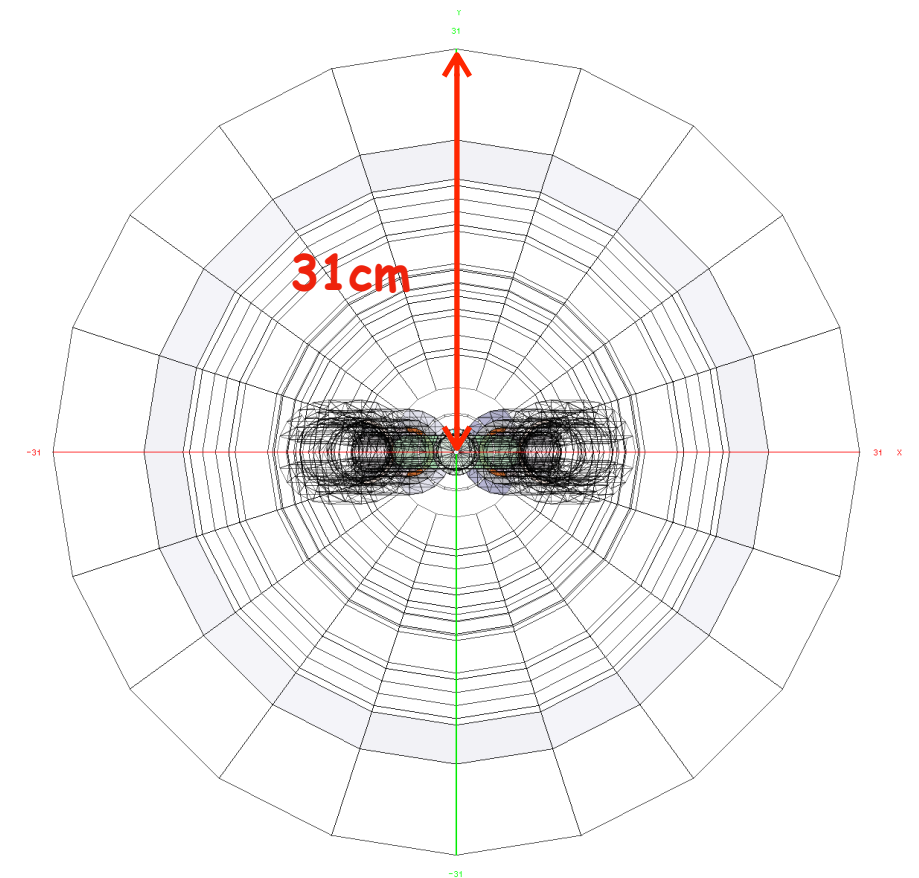
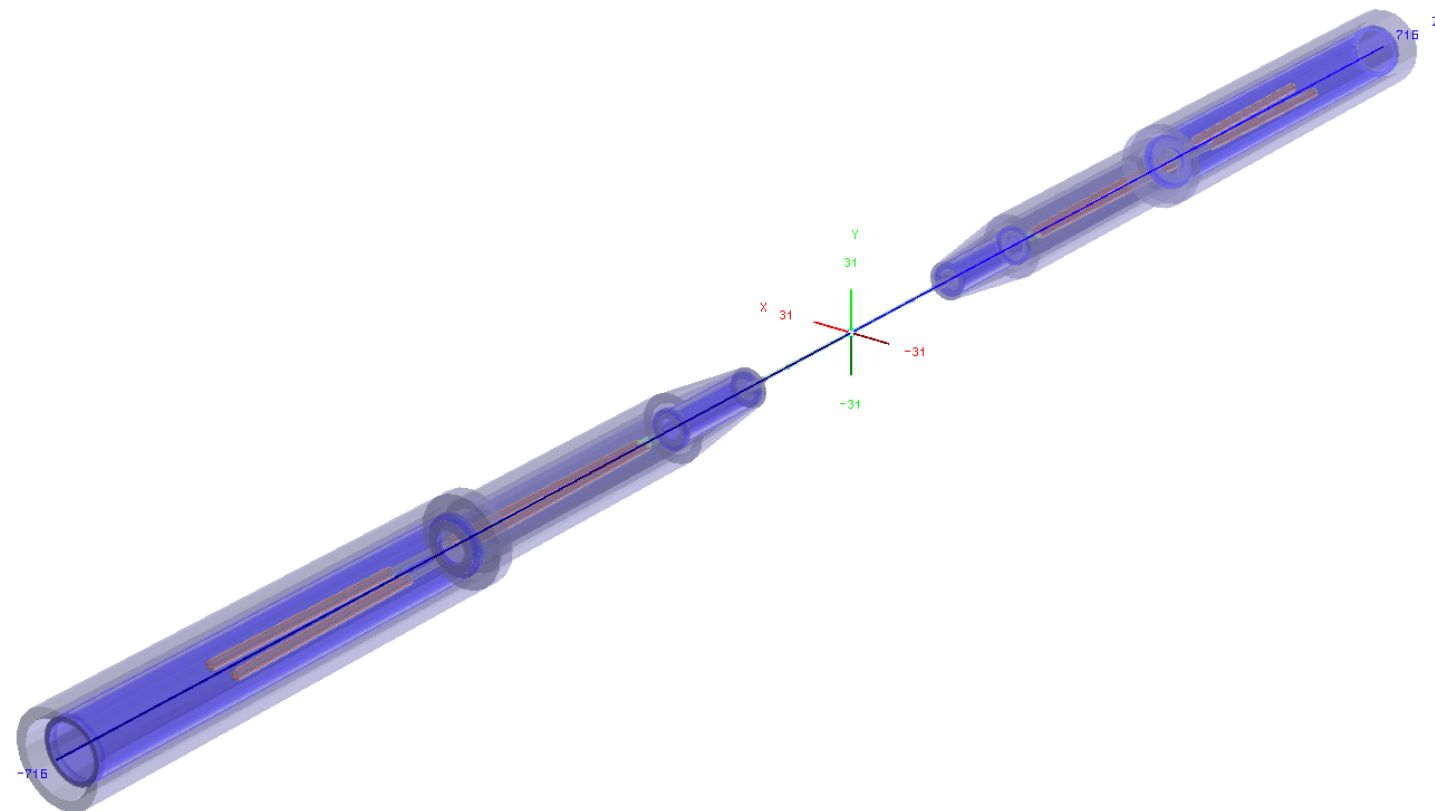
2018.12.21

Mass

	mass (kg)	mass (ton)
MDI	11,909.85	11.91
LumiCal	118.46	0.12
VXD	0.85	0.00
SIT	15.70	0.02
SET	259.62	0.26
FTD	3.21	0.00
TPC	1,750.47	1.75
Ecal	161,489.50	161.49
Hcal	906,668.80	906.67
Yoke	12,685,708.80	12,685.71
Magnet	262,841.11	262.84

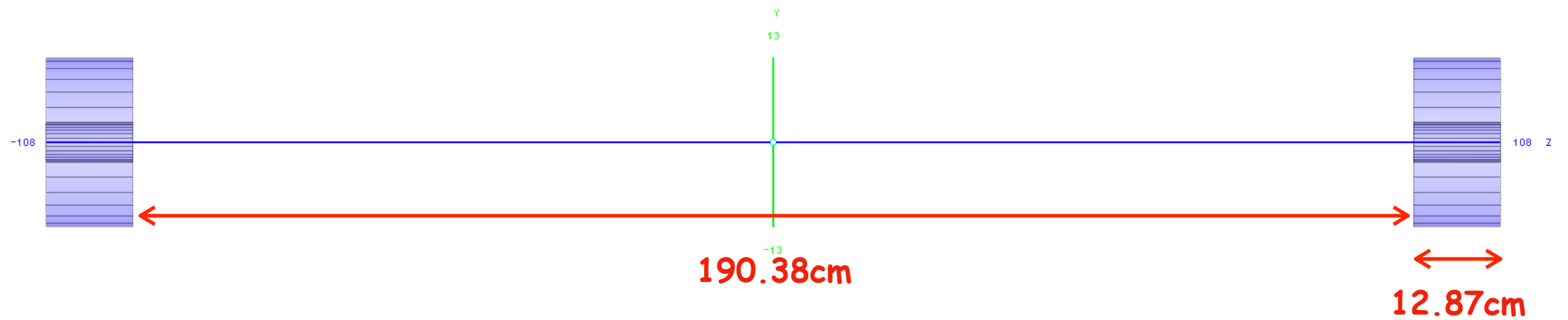
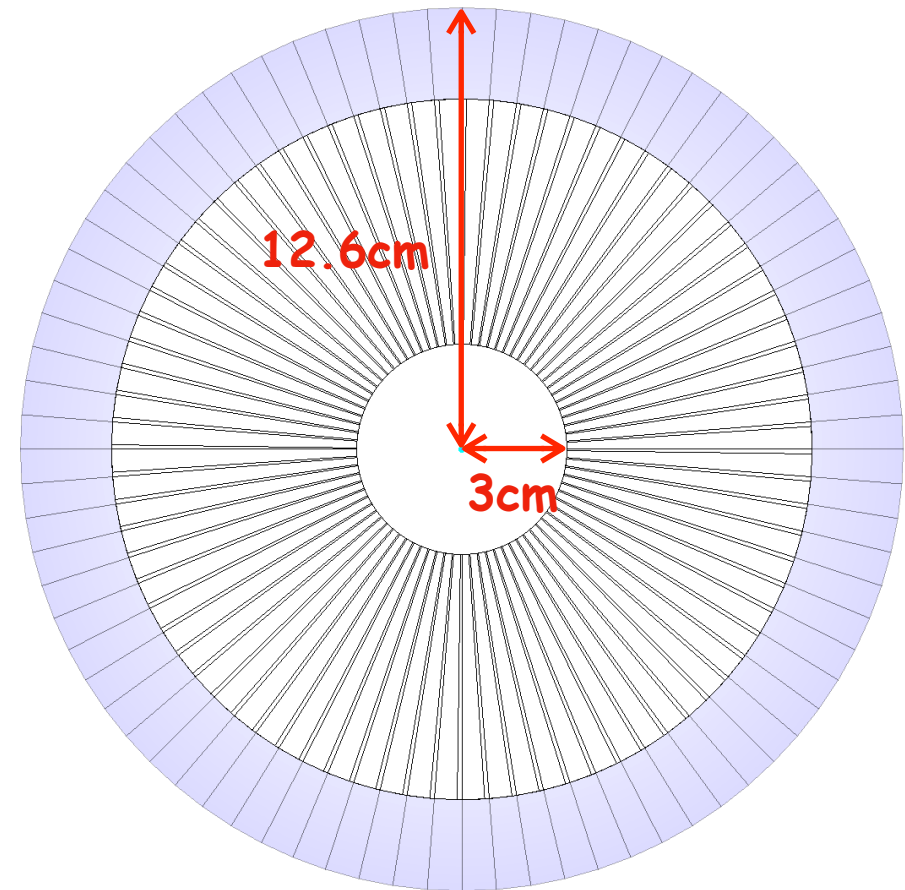
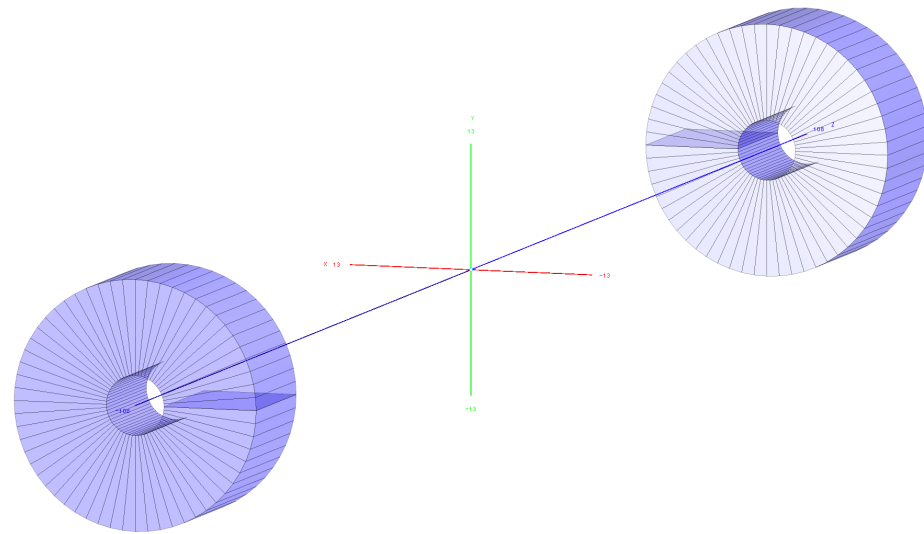
MDI mass: 11.91ton

MDI



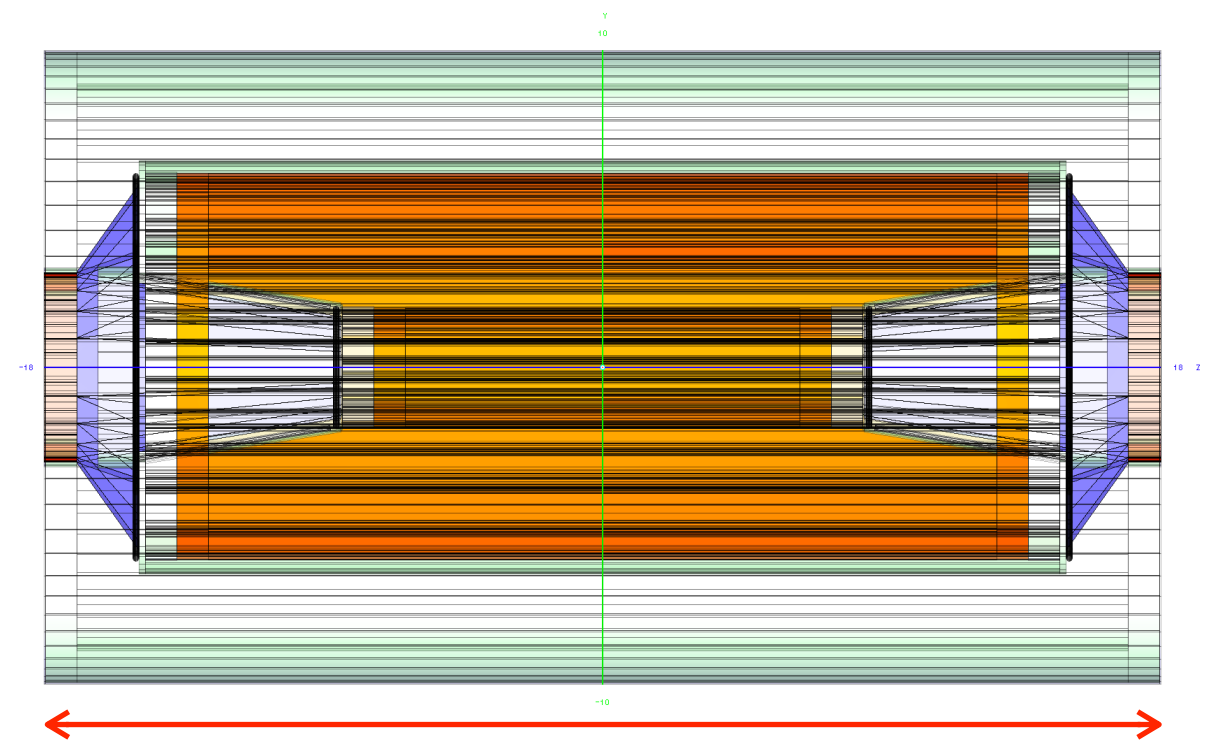
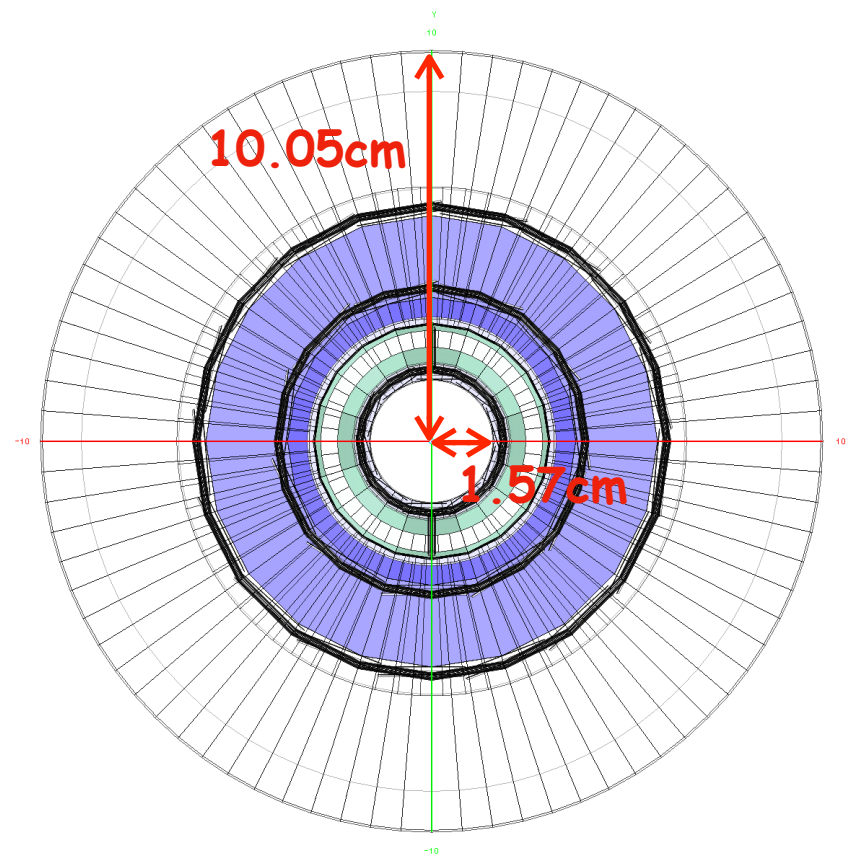
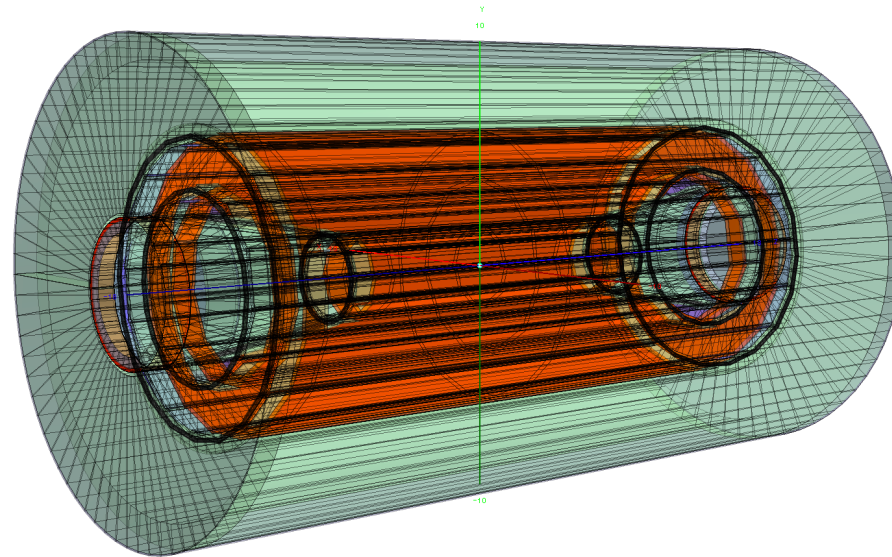
LumiCal mass: 118.46kg

LumiCal



VXD mass: 0.85kg

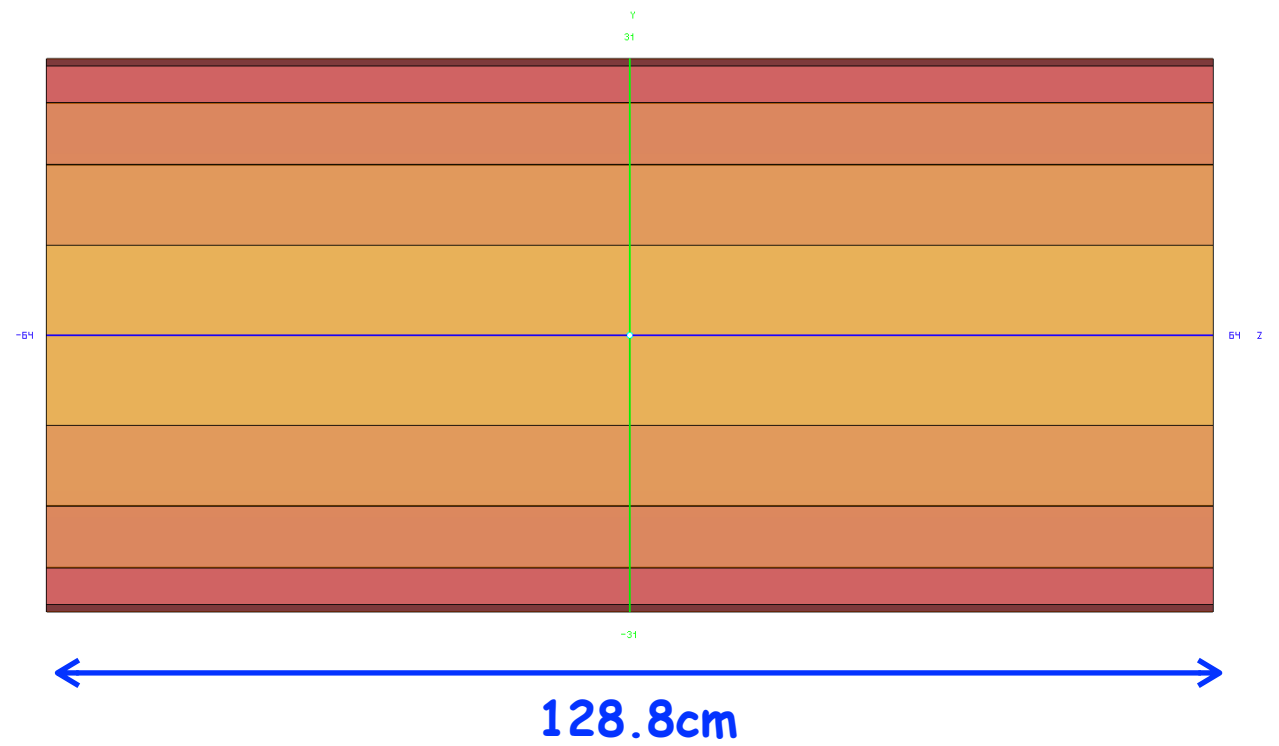
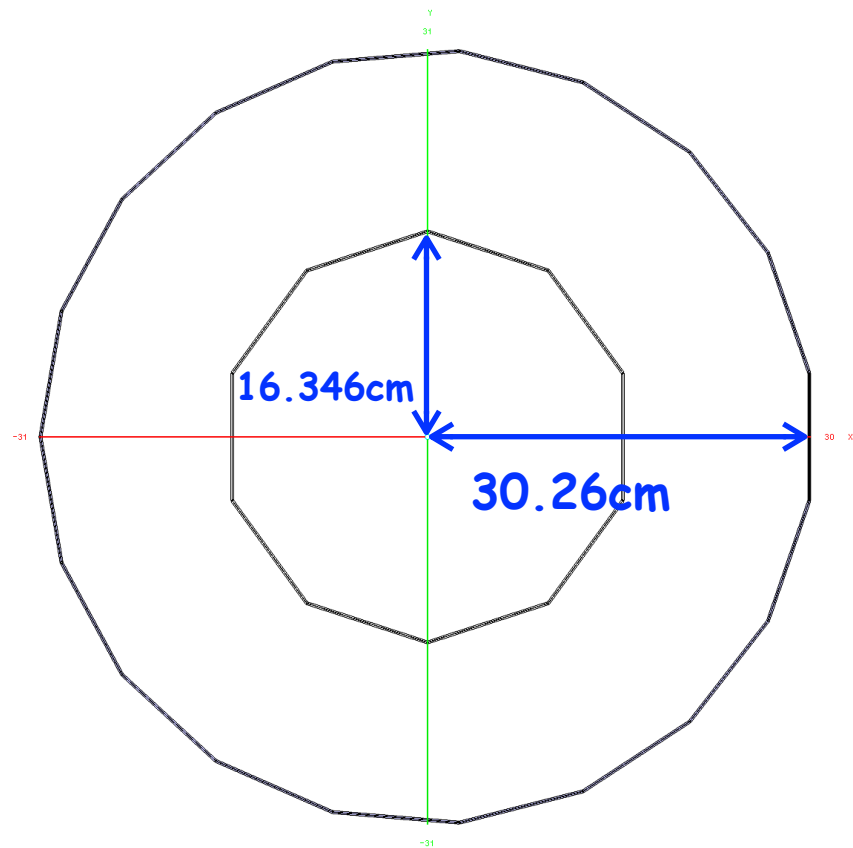
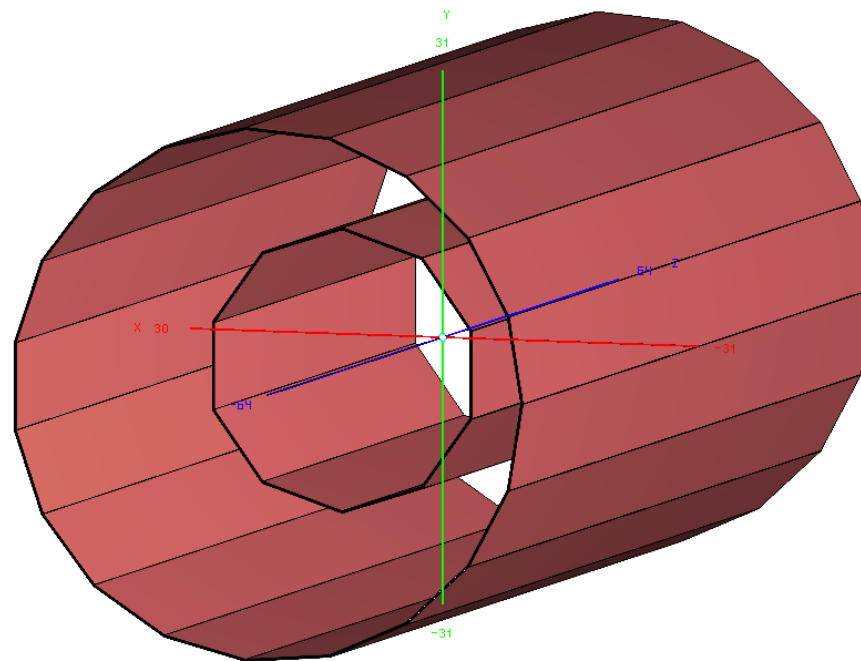
VXD



35.42cm

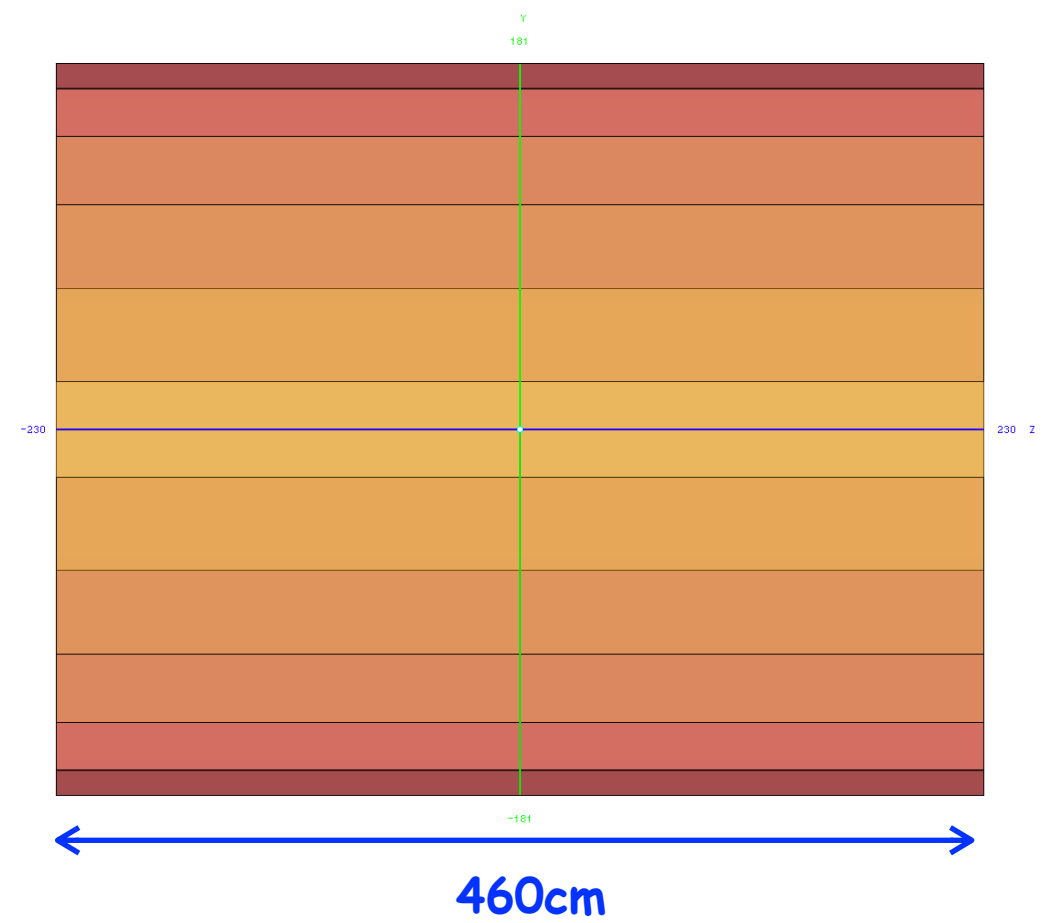
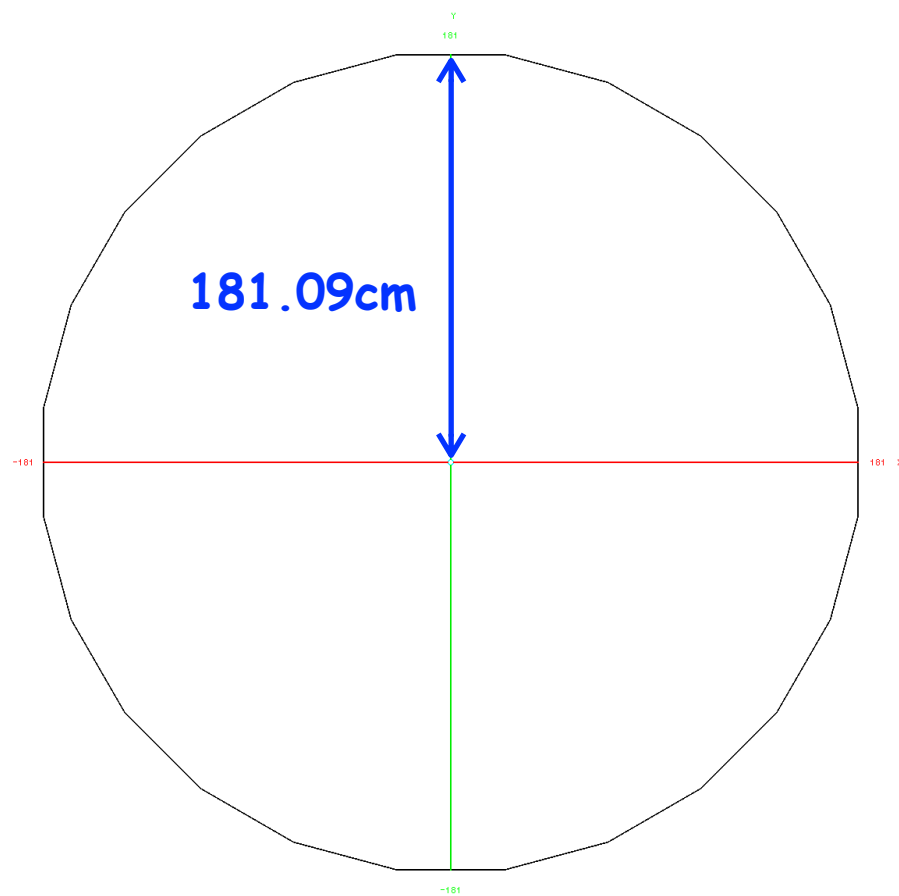
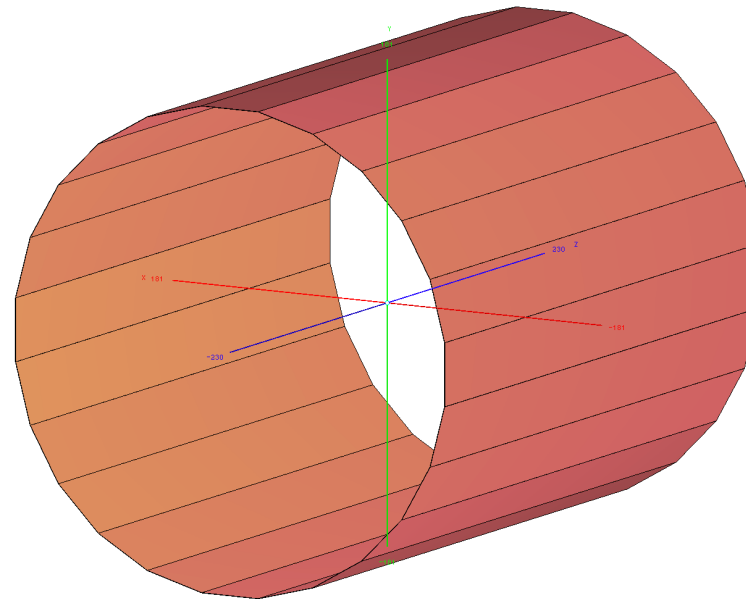
SIT mass: 15.70kg

SIT



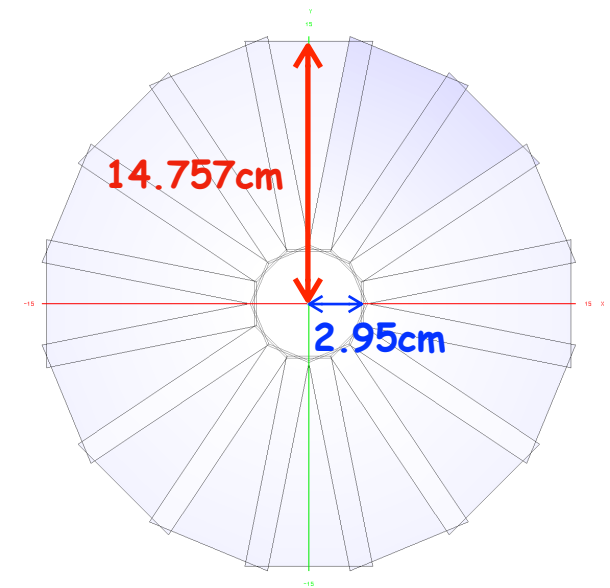
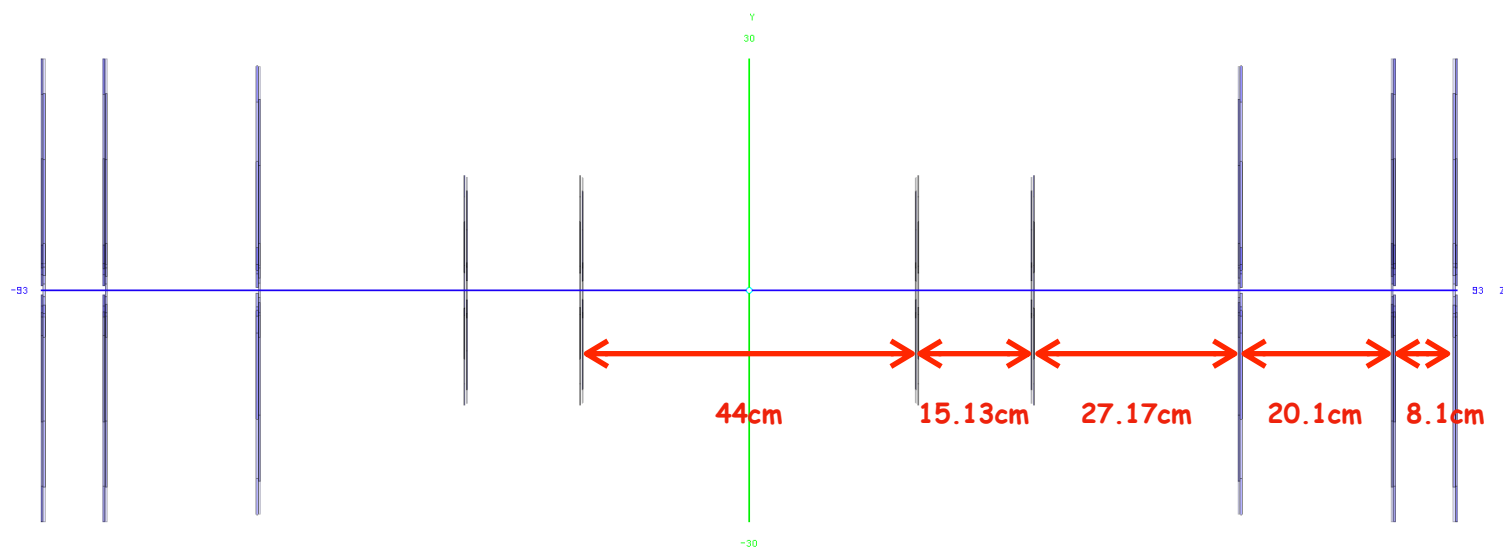
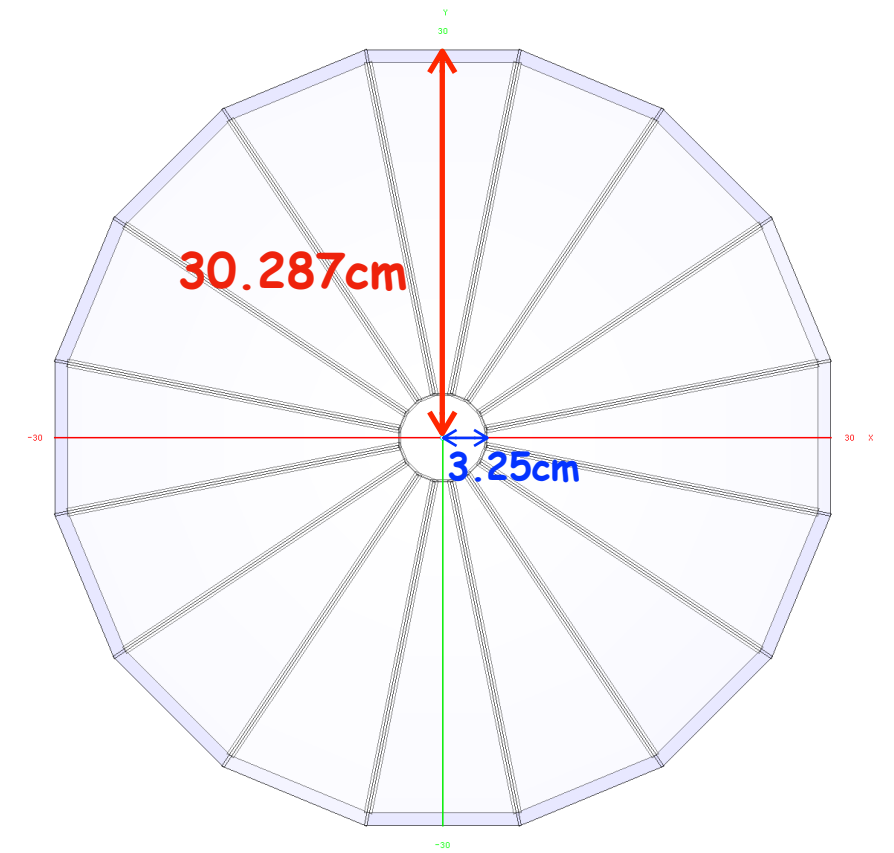
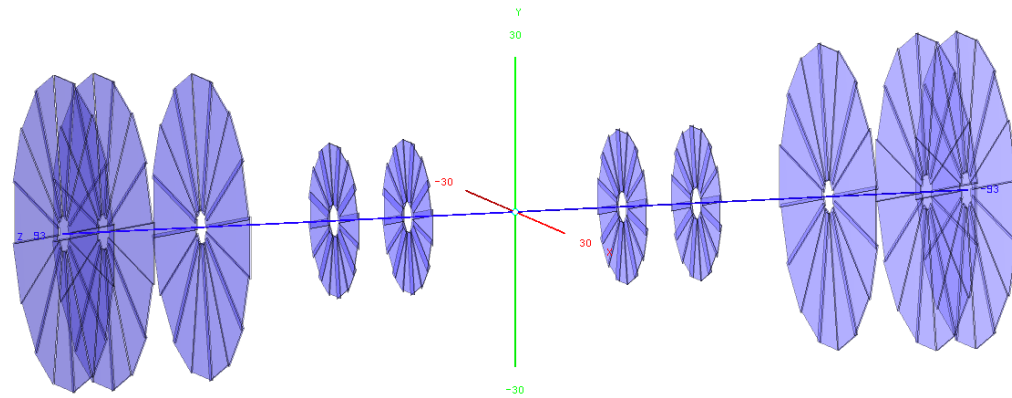
SET mass: 259.62kg

SET



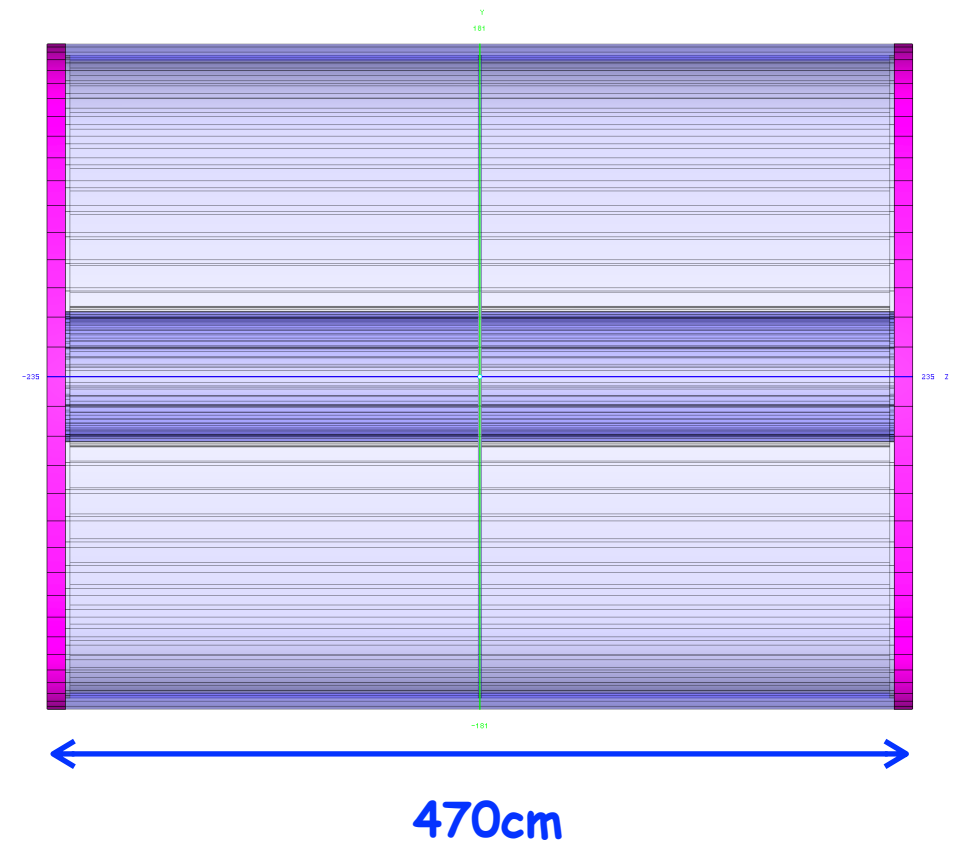
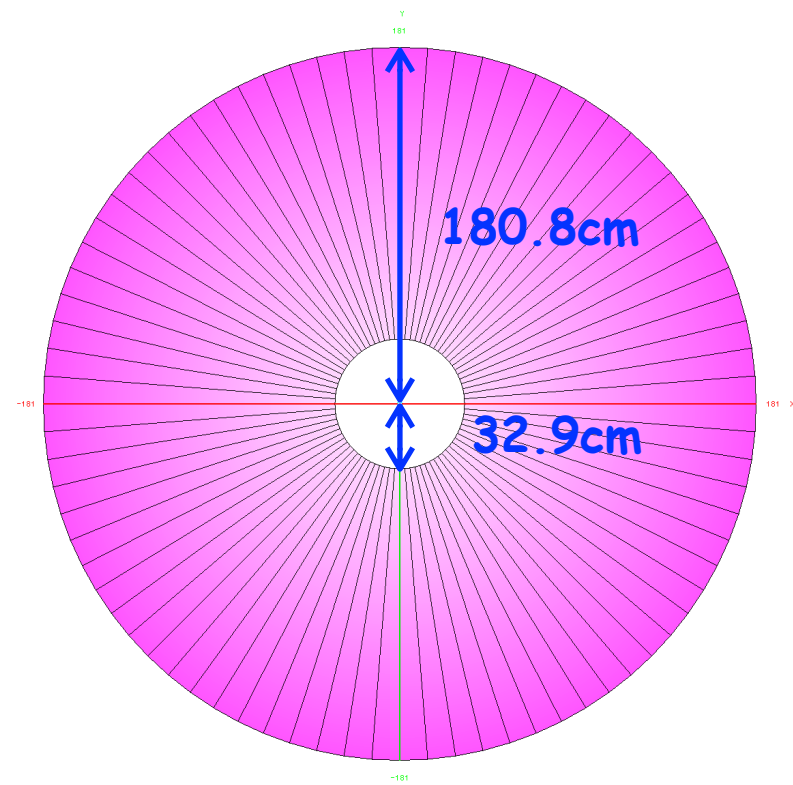
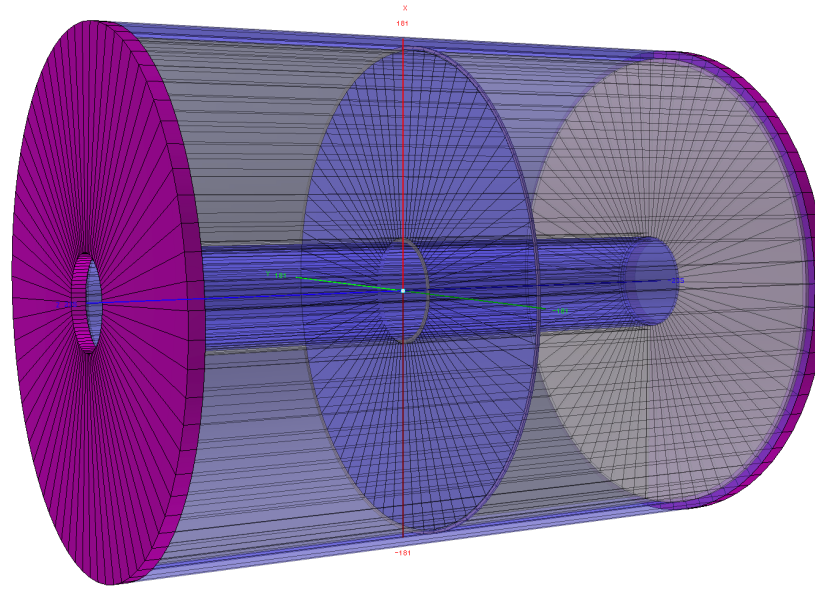
FTD mass: 3.21kg

FTD



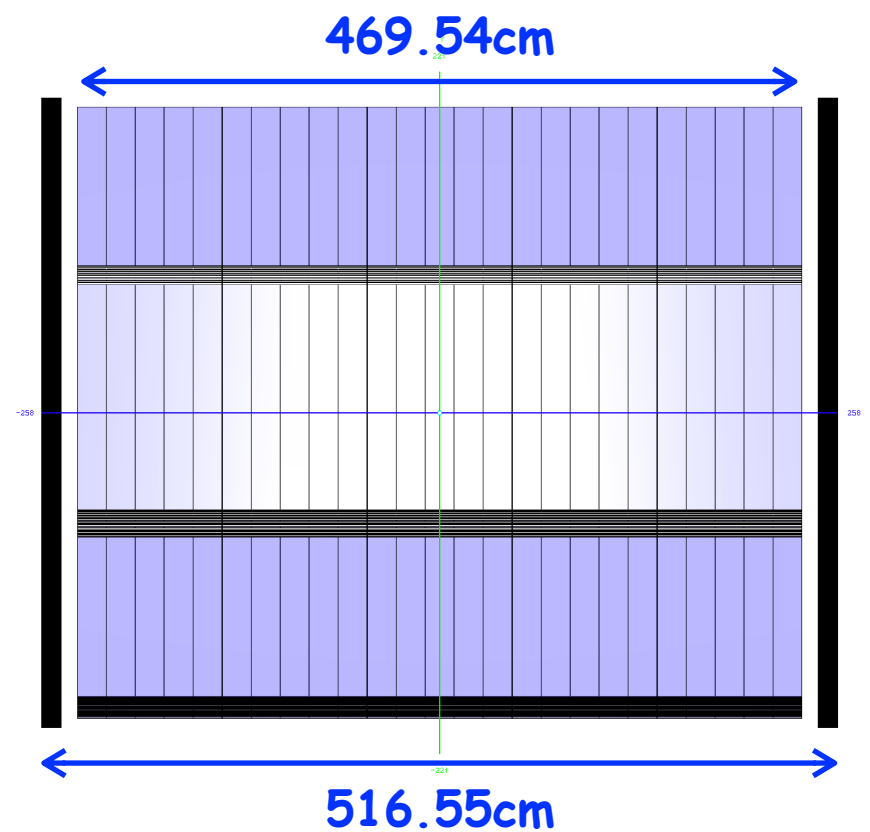
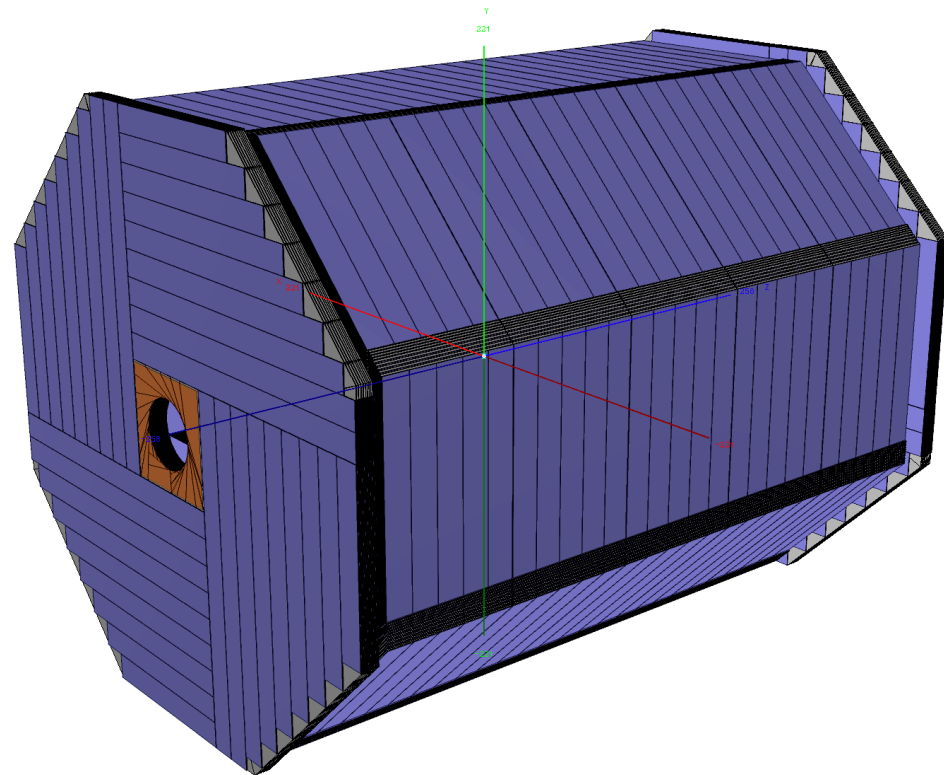
TPC mass: 1.75ton

TPC

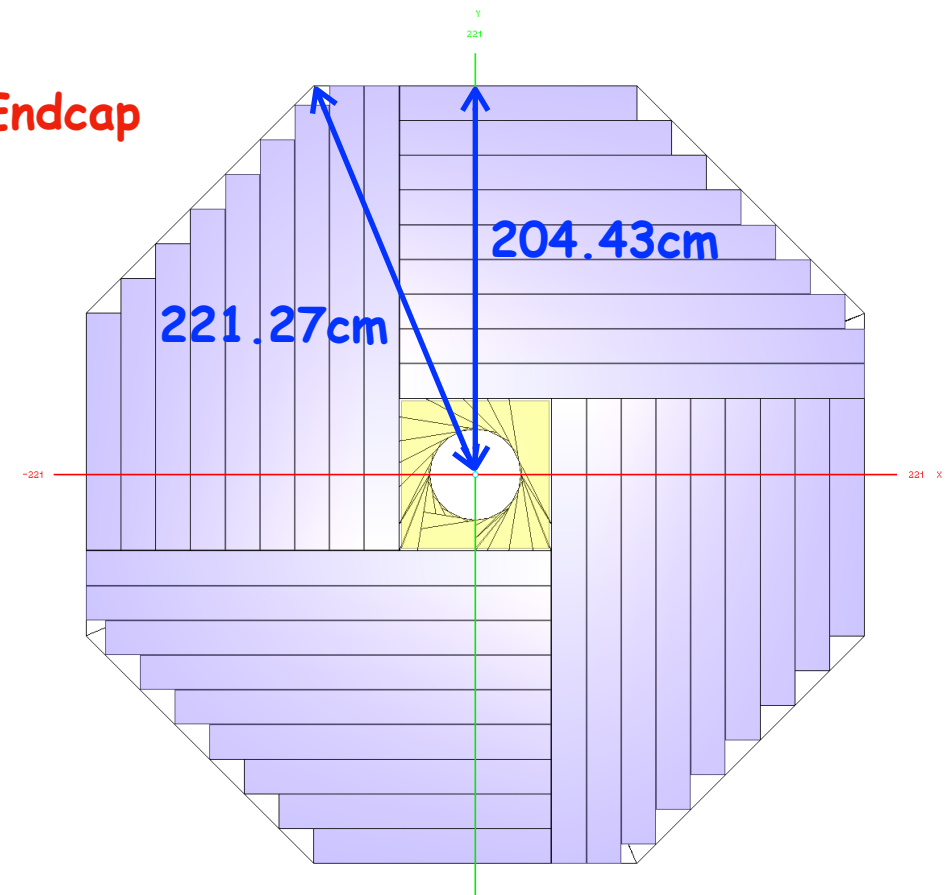


Ecal mass: 161.49ton

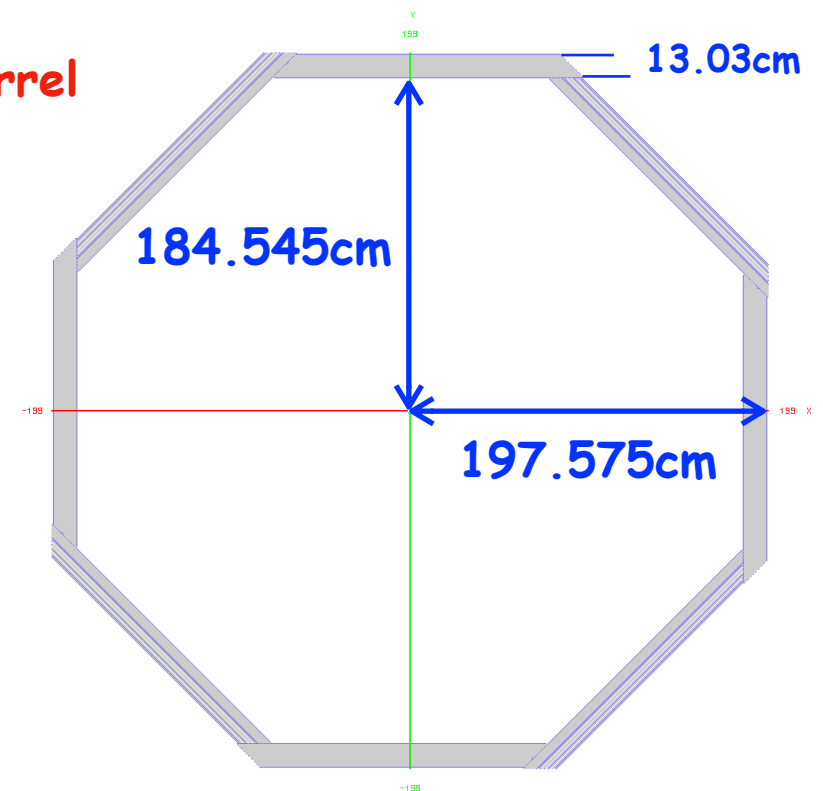
Ecal



Endcap

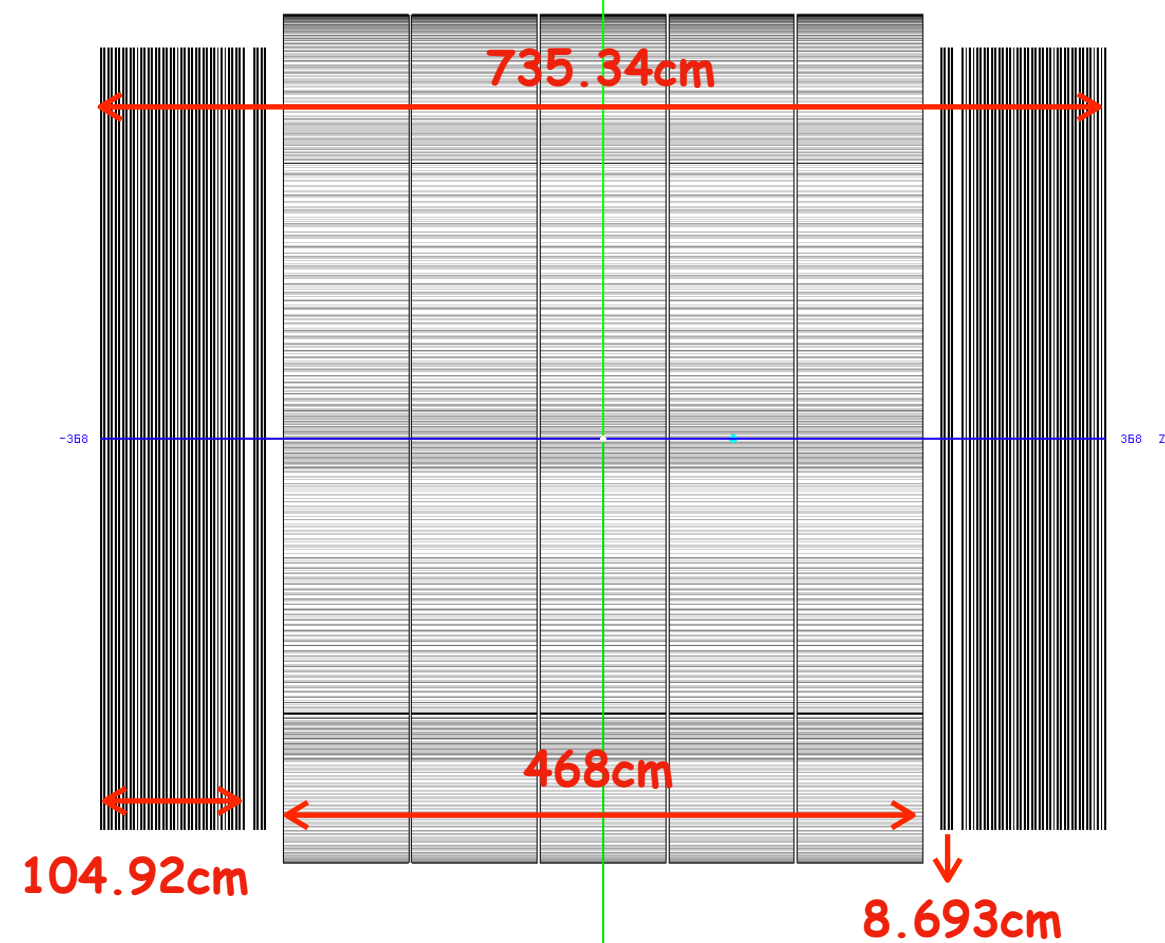
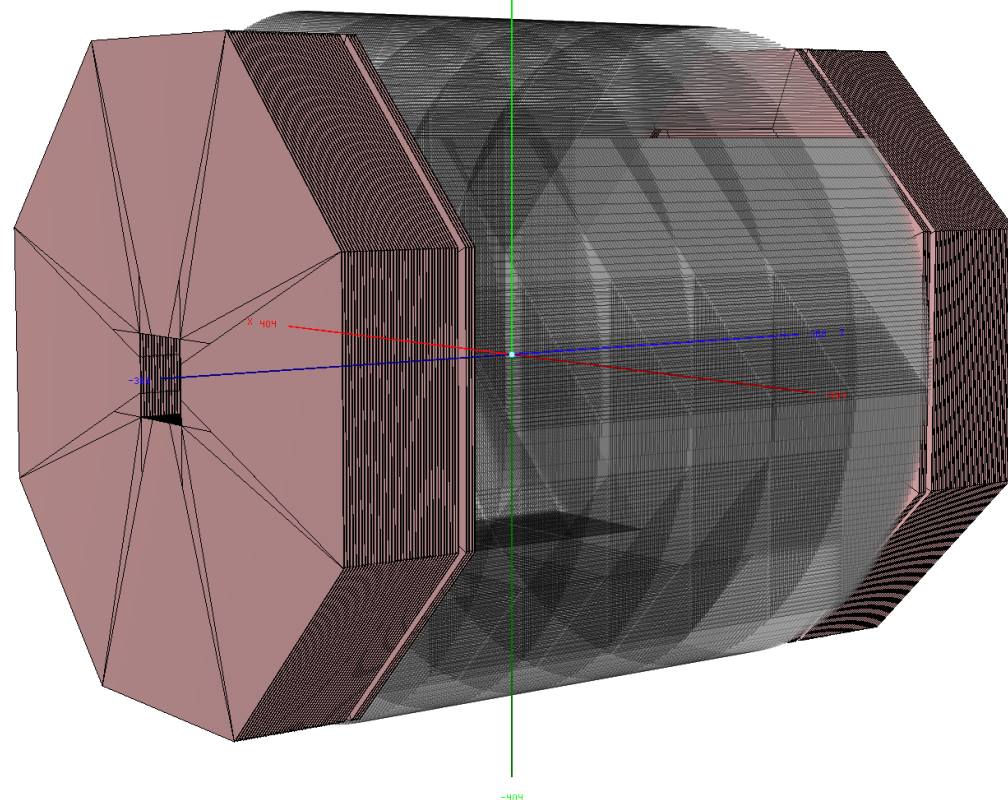


Barrel

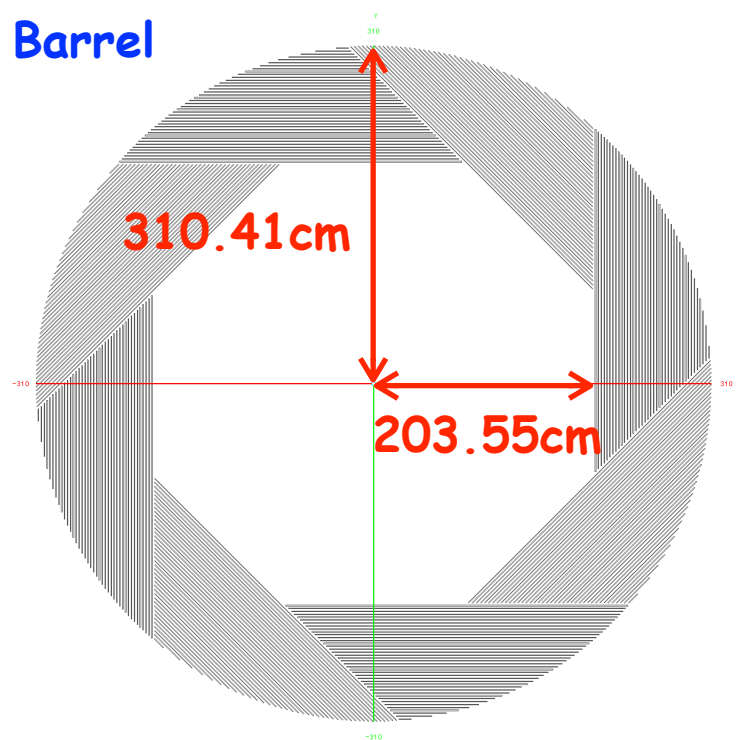


Hcal mass: 906.67ton

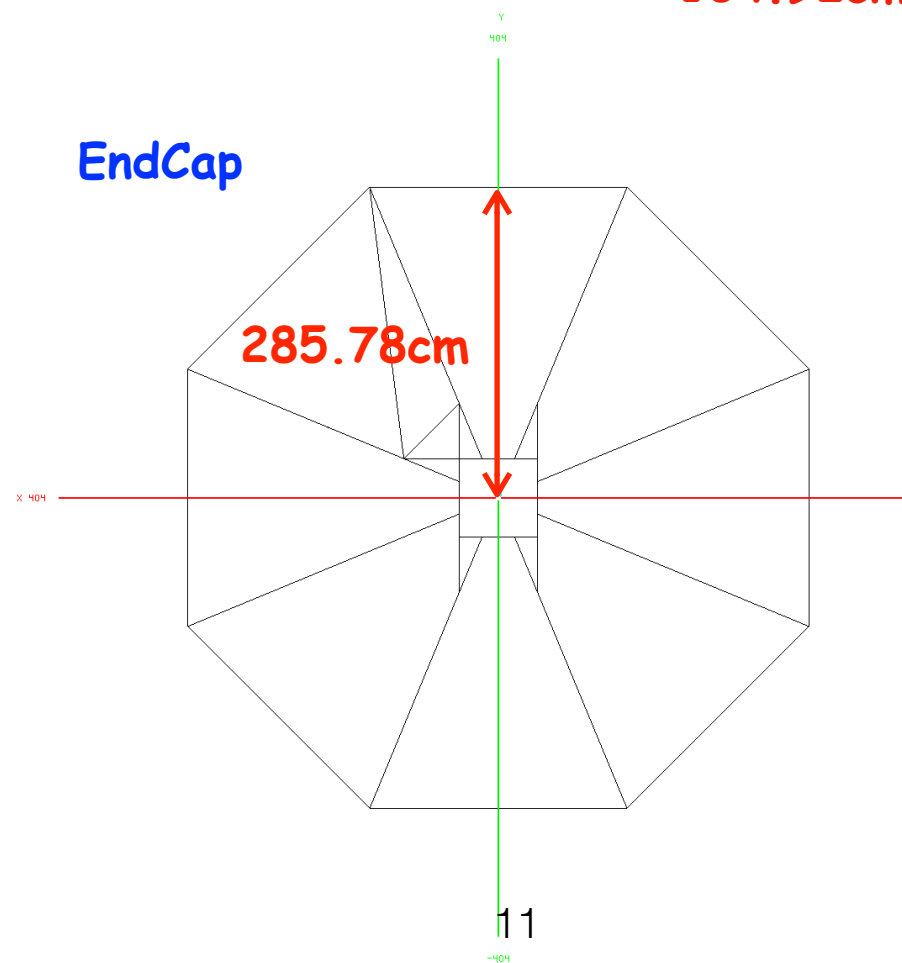
Hcal



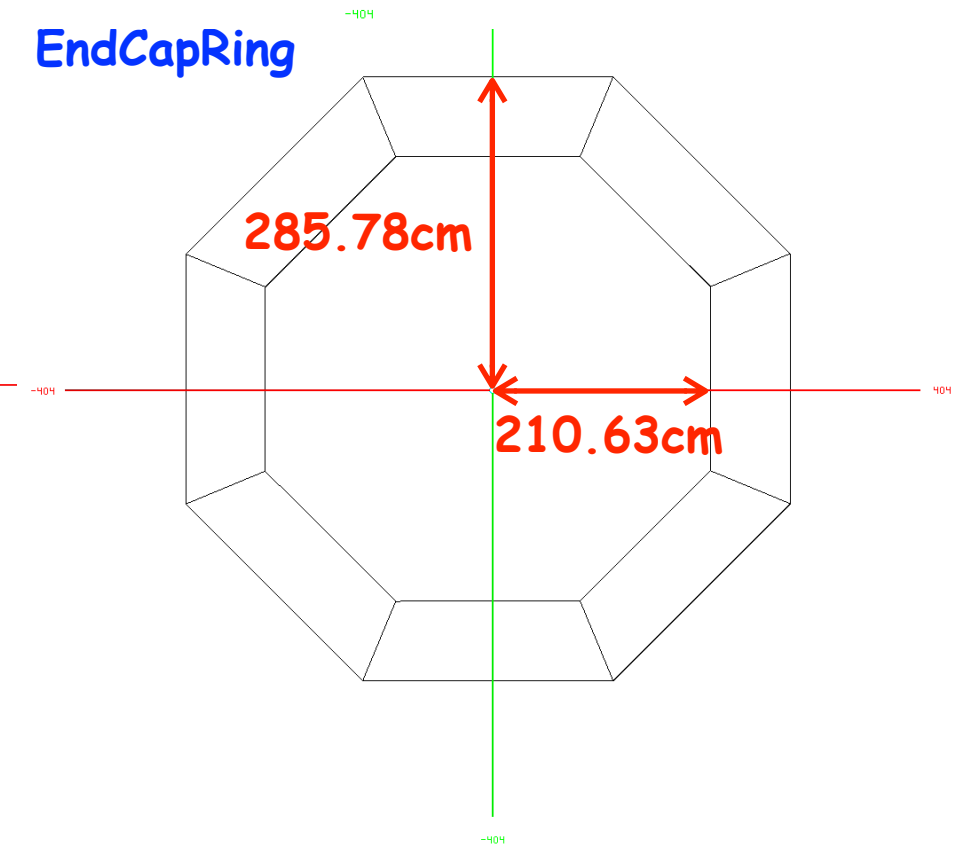
Barrel



EndCap

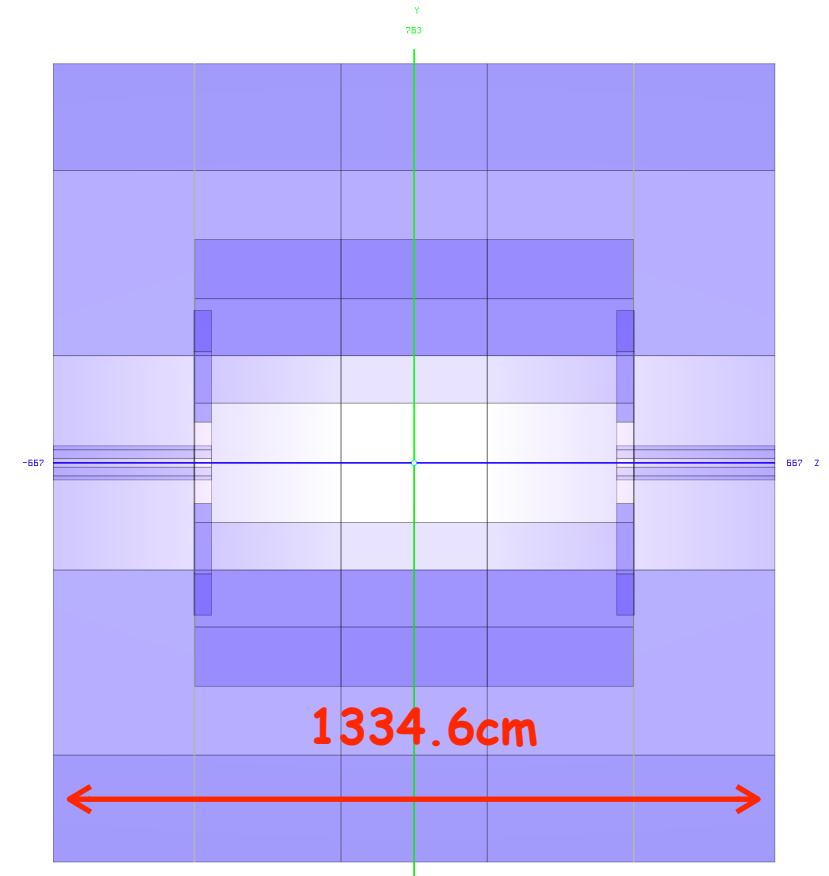
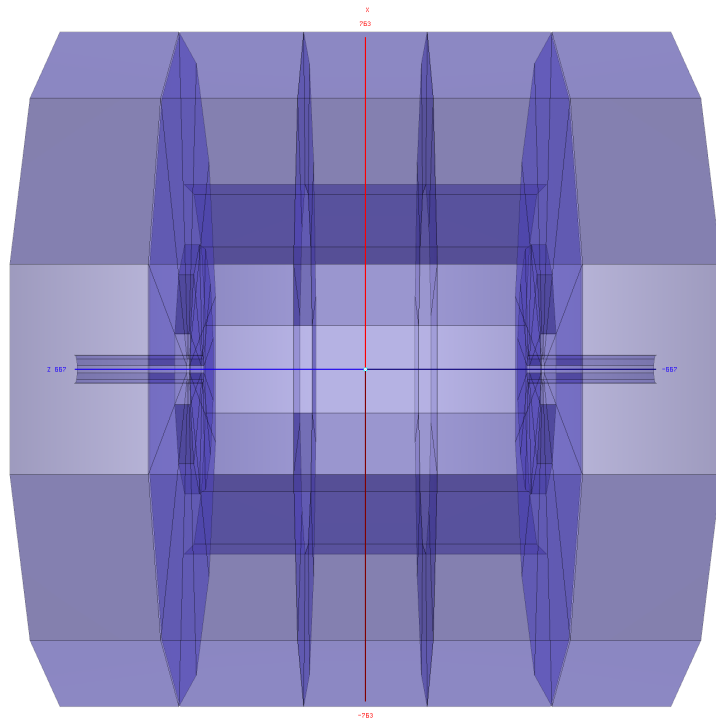


EndCapRing

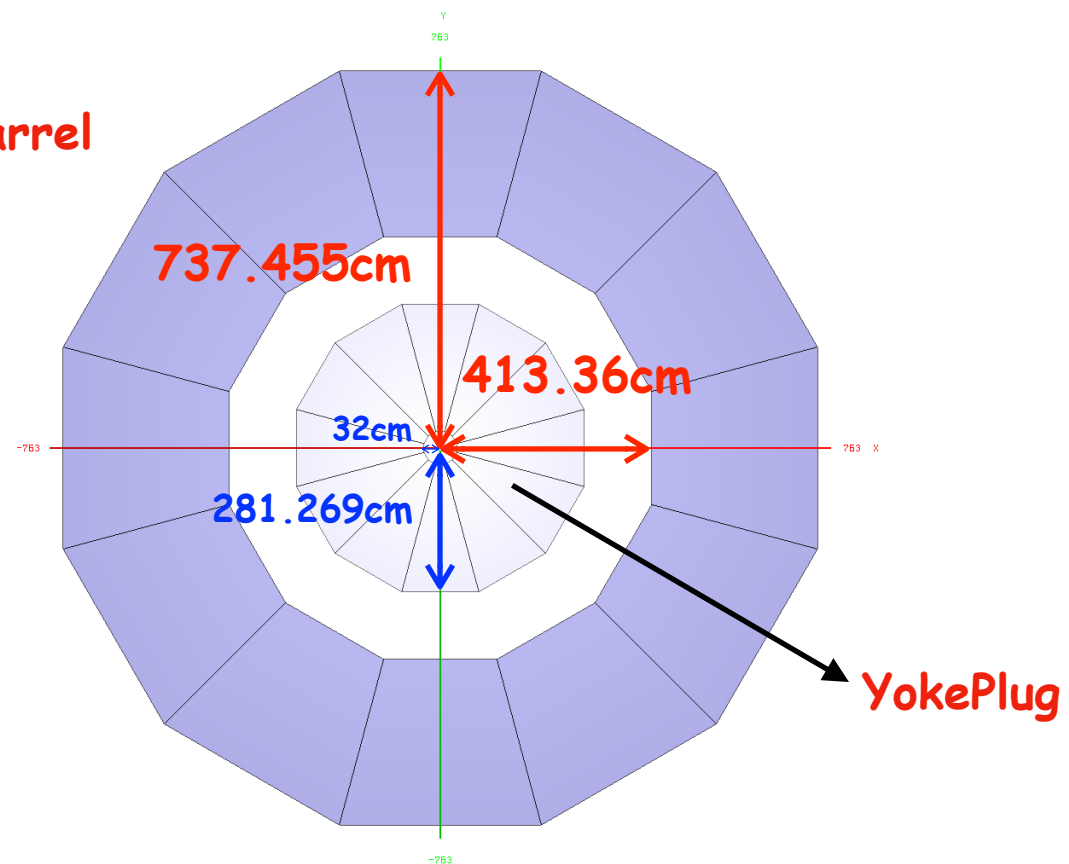


Yoke mass: 12685.71ton

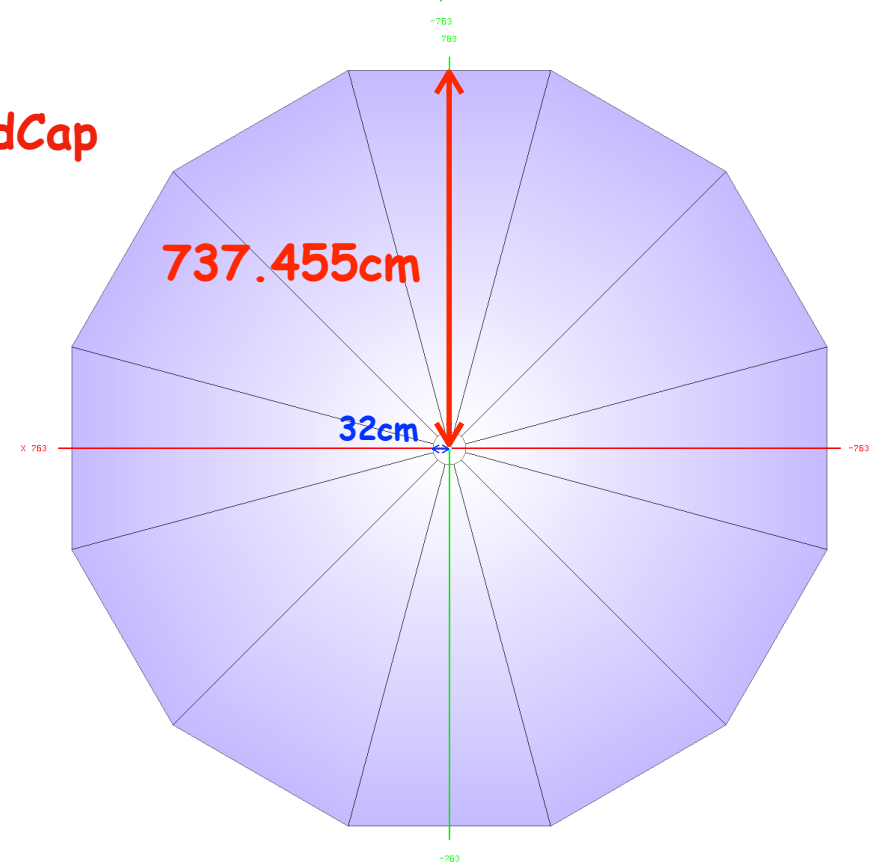
Yoke



Barrel



EndCap



Magnet mass: 262.84ton

Magnet

