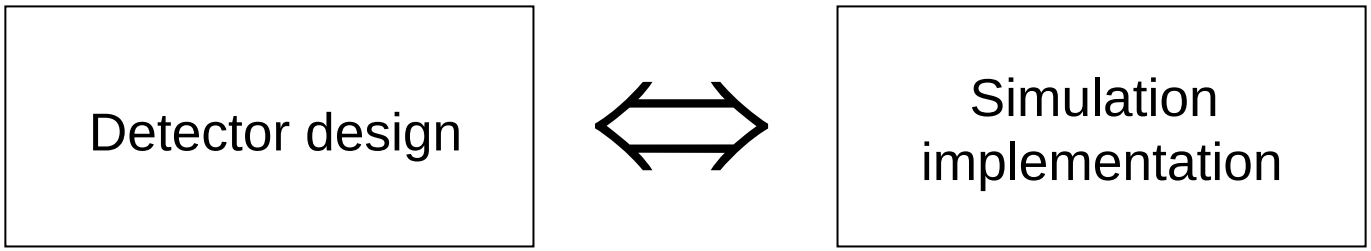
Track to DOD detector

Status

- Ideally

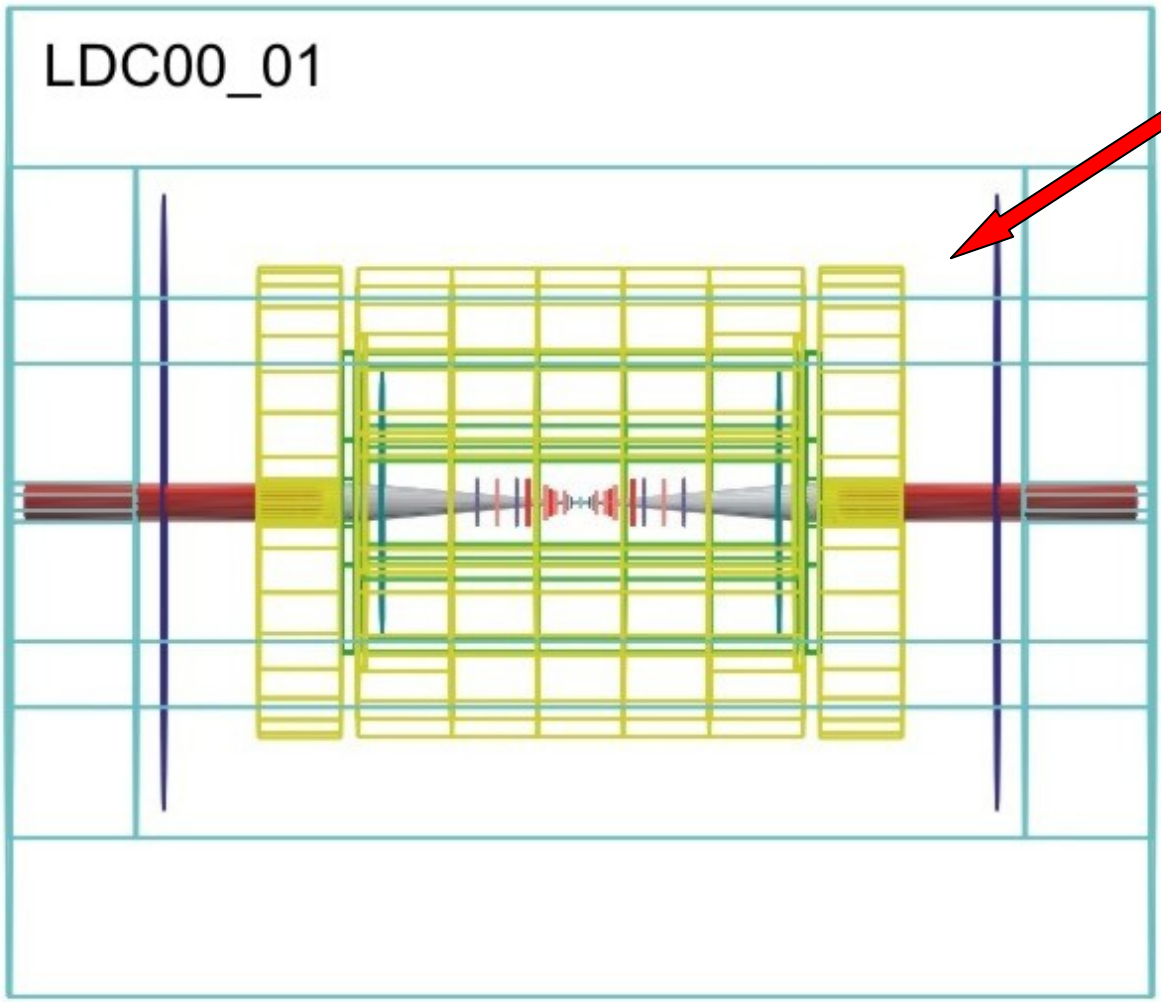


- Each fix usually needs a fix

- few low-mid level geometry problems

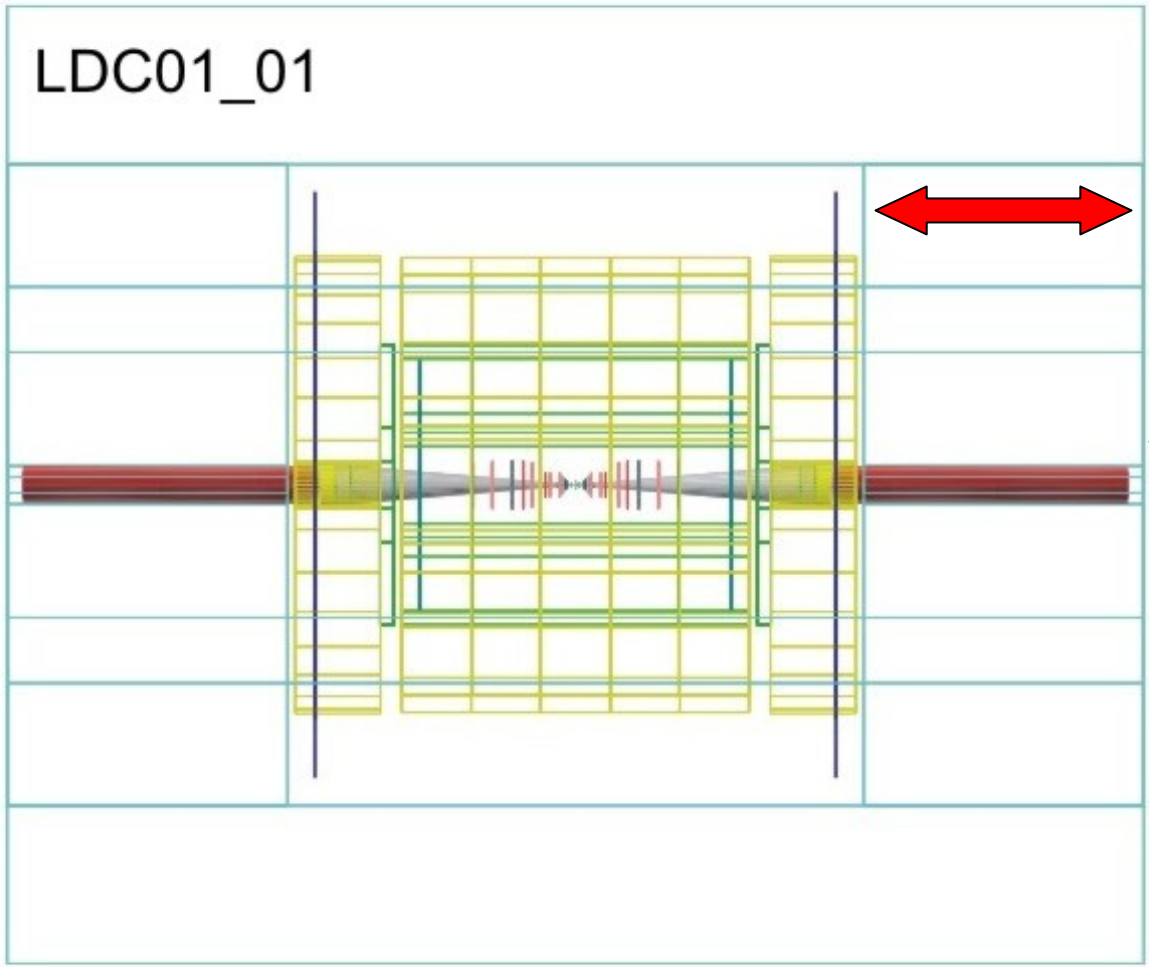
- implementation of muon system as a step to completion of the detector in Mokka

Status



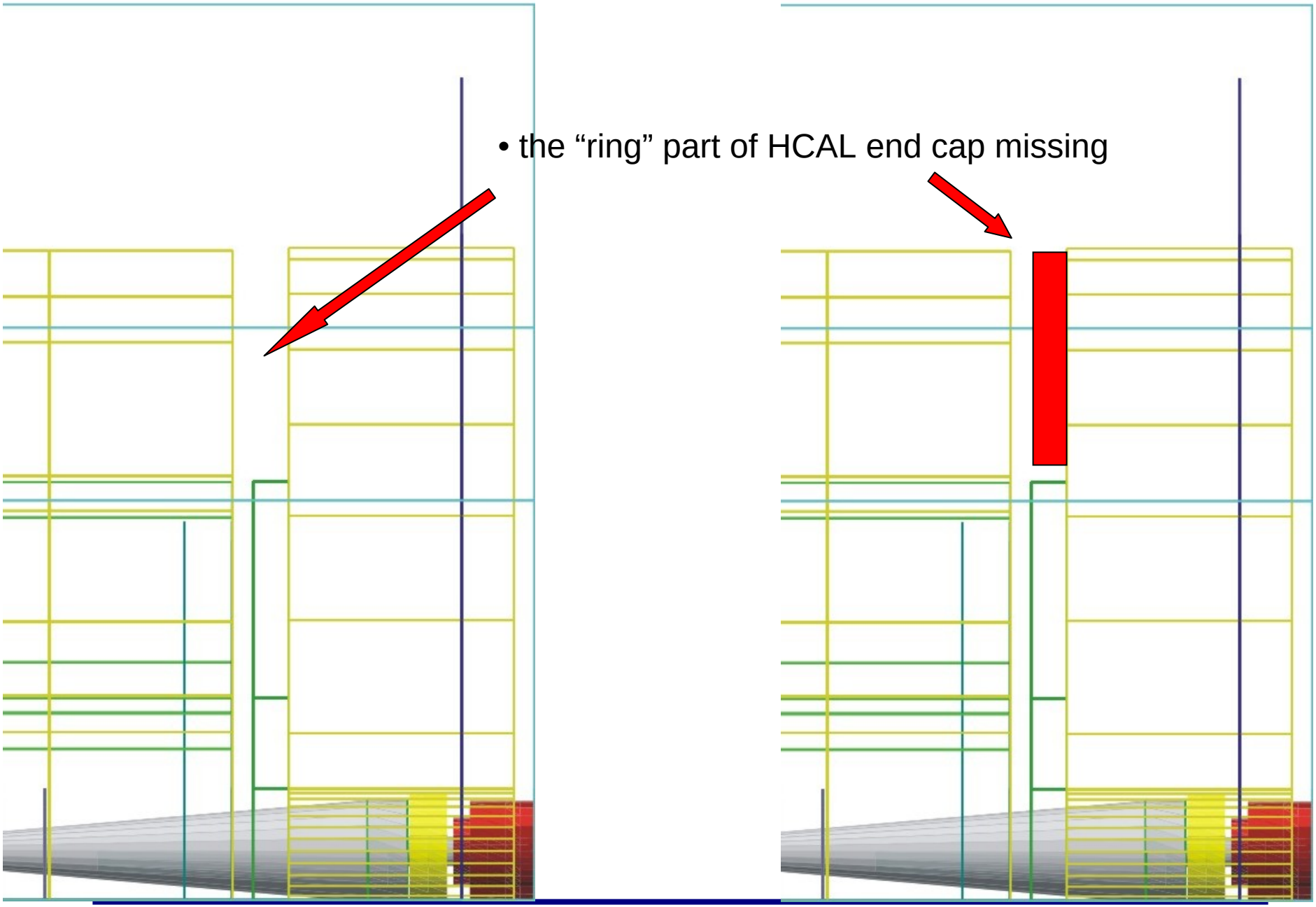
- no plug !! ~1m of empty space after HCAL
- inner radius of yoke 240mm and it should be min 300mm !

Status



- thickness of end cap yoke x2 then needed
- inner radius of yoke 240mm and it should be min 300mm !

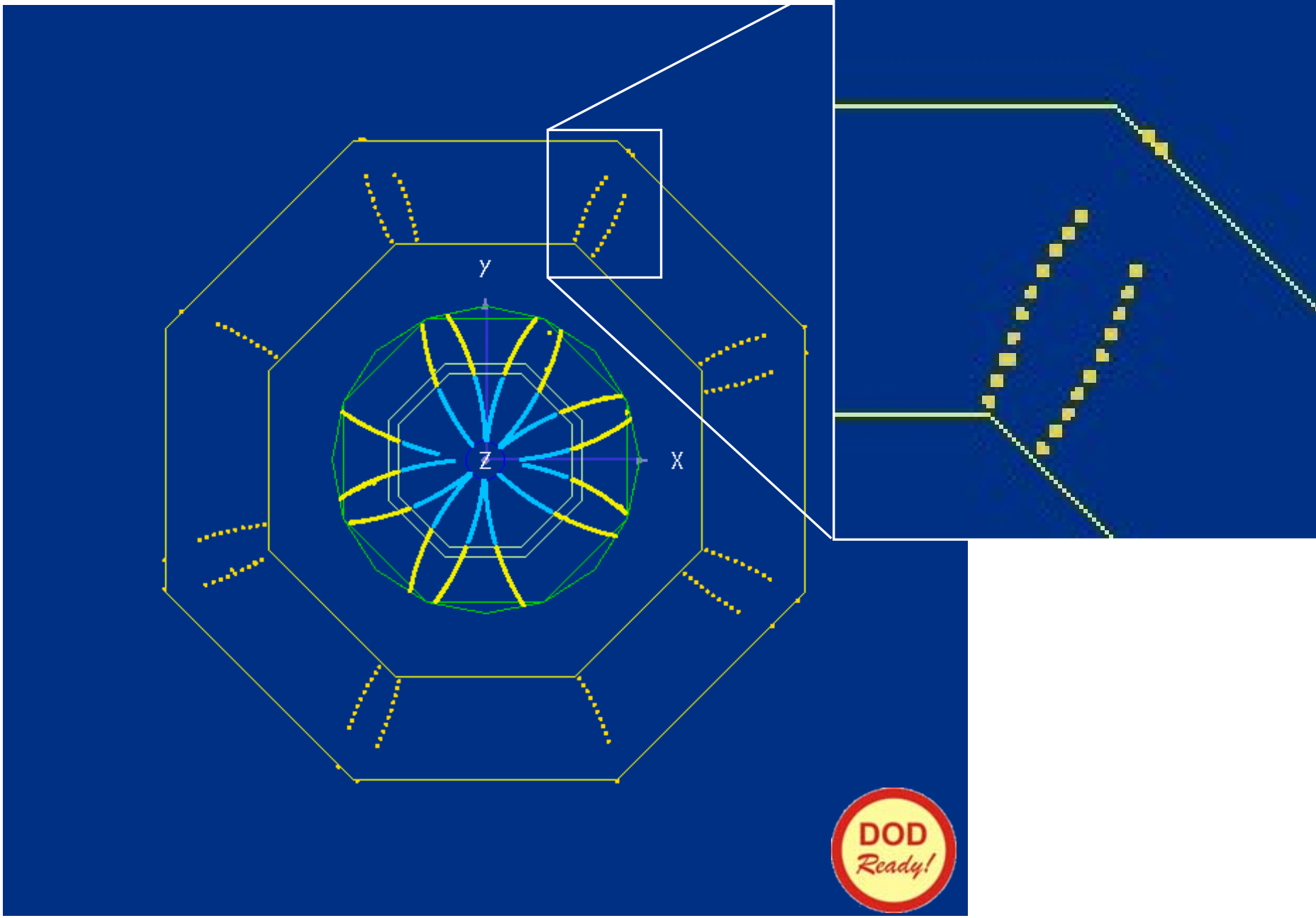
• the “ring” part of HCAL end cap missing



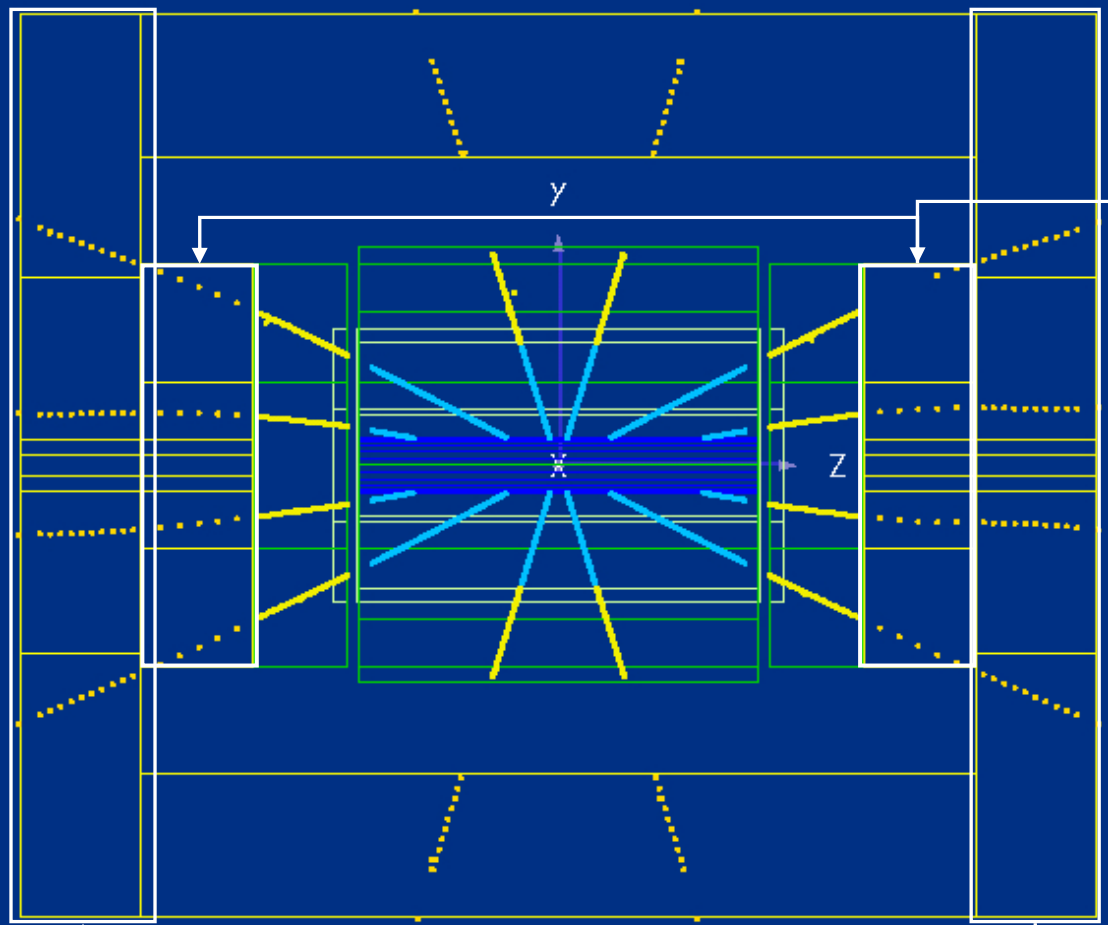
Muon system

- New yoke03 with muon system
- design according to the DOD document - look for the sign

- RPC detector of n layers (n-1 inside of yoke + 1 around) with rather detail internal structure – thanks to Marcello for first guess
- new material – foam
- instrumented plug for TESLA –like 00 series as in TDR
- variable symmetry of yoke kept – 8 fold at the moment
- pad readout (3x3cm)– in order to skip LCIO problem with strips


y
z
X
DOD
Ready!

LDC00_02



- plugs in 00 series

- end cap region Same for both models

The end

- almost there with the design and simulation 1 to 1
- muon system from next release
- Only important question is how to organize updates so after them each user does not need to check the full geometry .. ???