

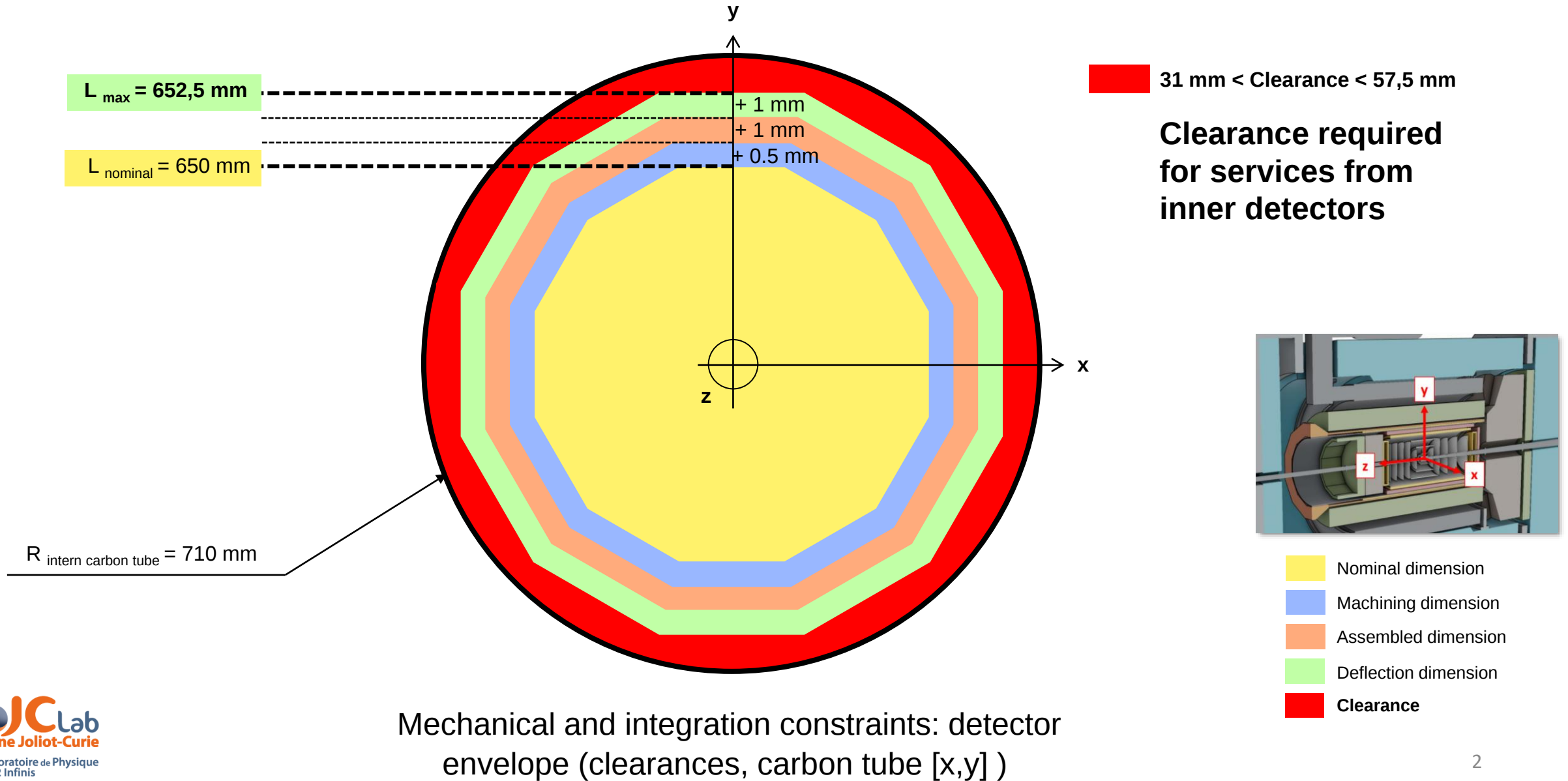
Backward Ecal / EEEMCal

Triple I Engineering Meeting Update (03/08/2026)

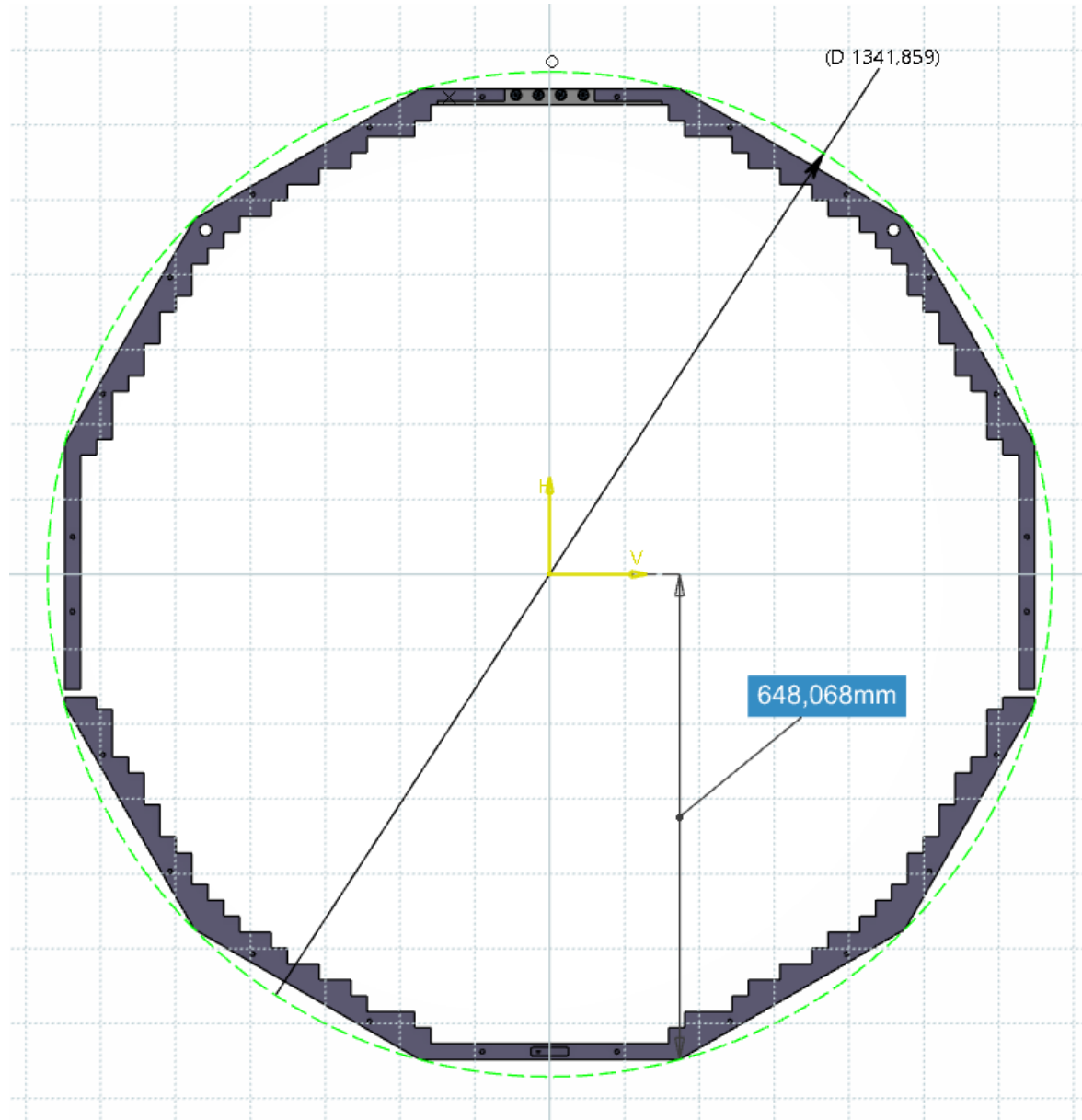
Julien Bettane



Clearances (slide from FDR)



Clearances (new design)

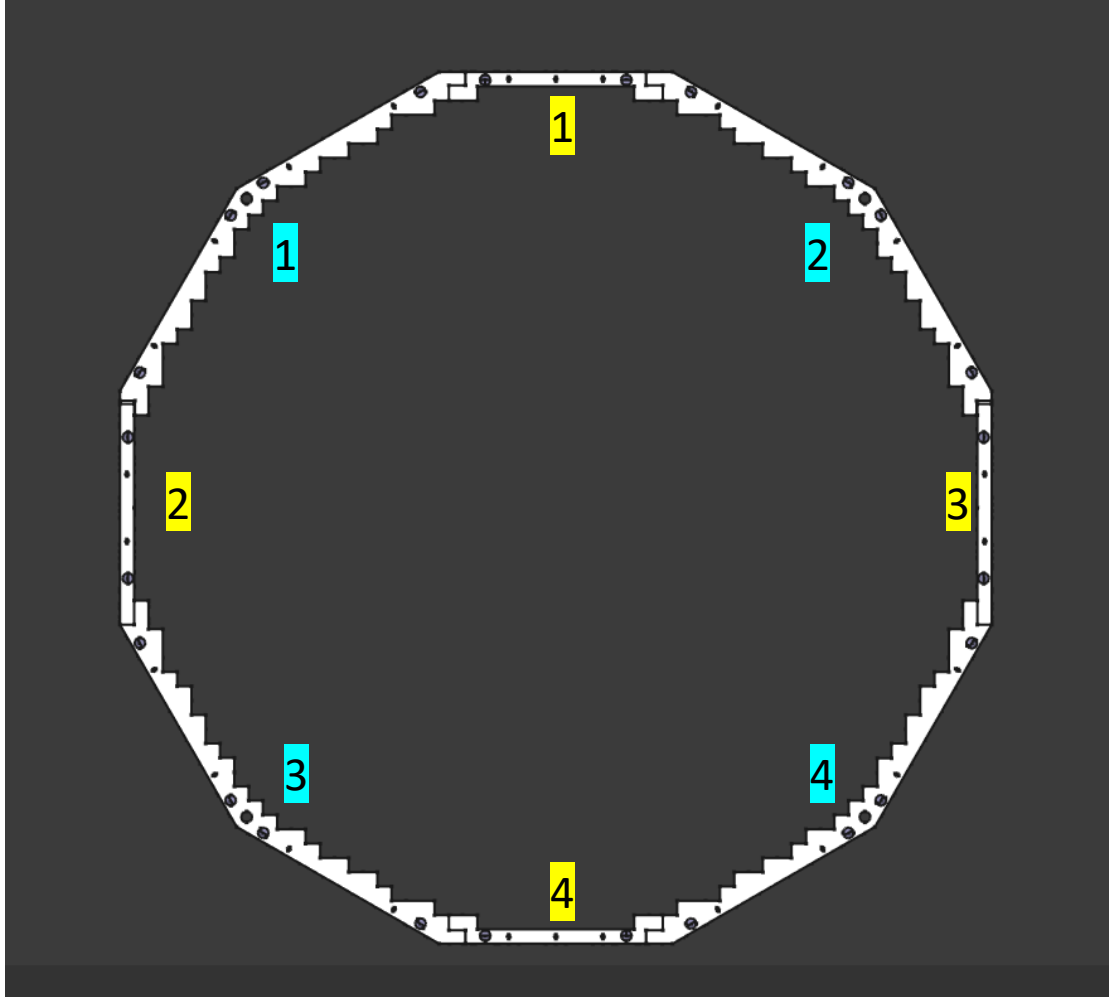


□ Design

- D= 648 mm

□ Current work

- Make a mechanical prototype
- Find a company
- Perform final FEA
- Validate the deflection calculated



❑ Design

- $D = 648 \text{ mm}$

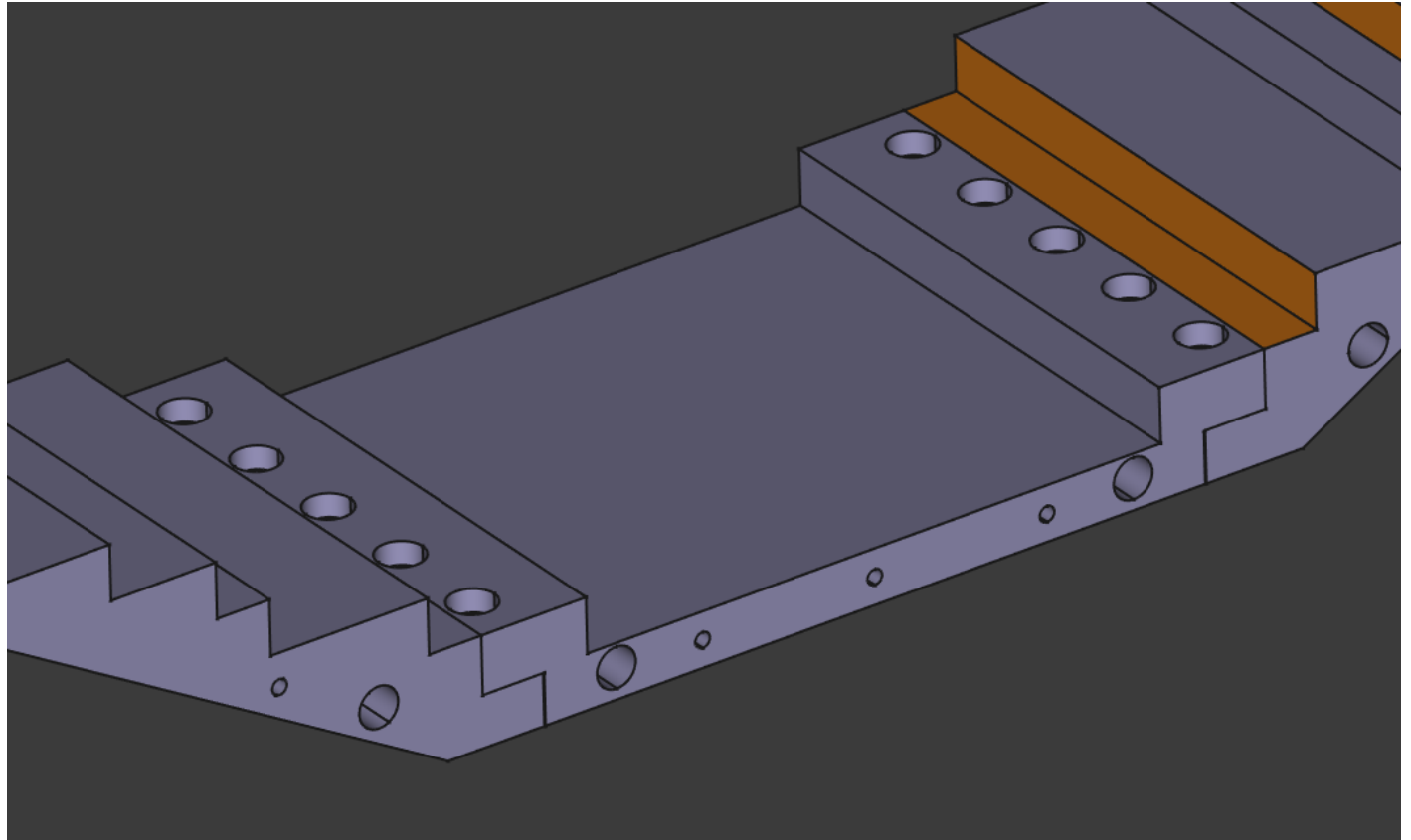
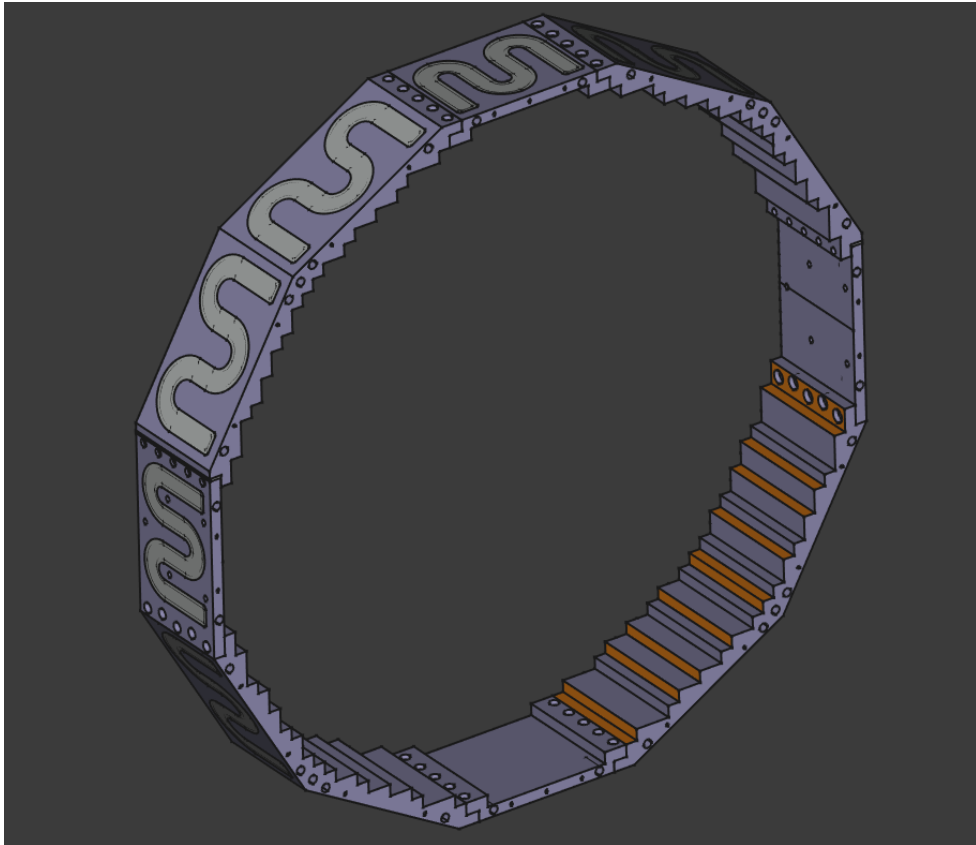
❑ Difficulty

- Really hard to find a company to machine the structure

❑ Modification

- 8 parts
- 4 small simple plates
- 4 complex parts → smaller than the previous design

New design



Bottom plate