

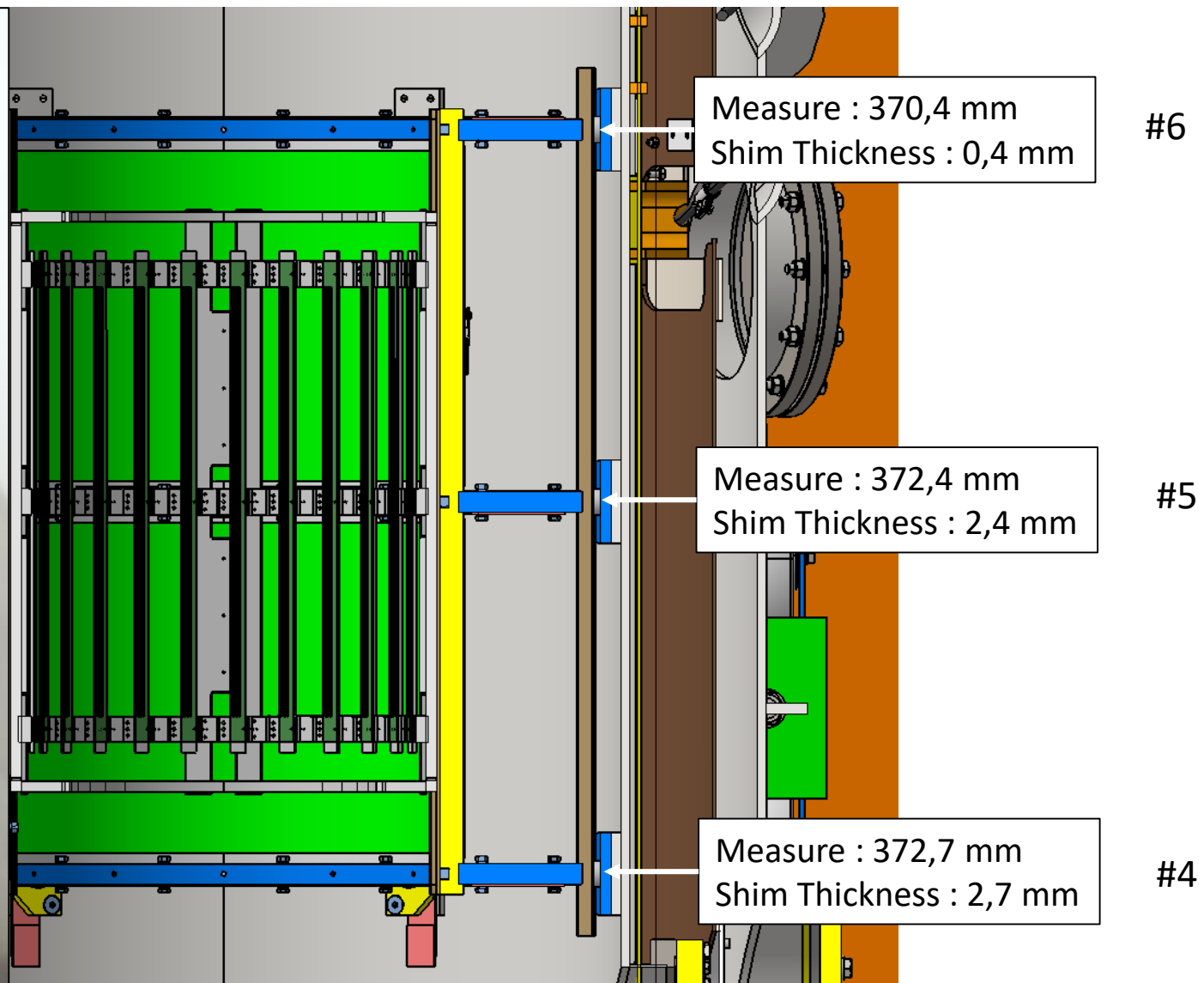
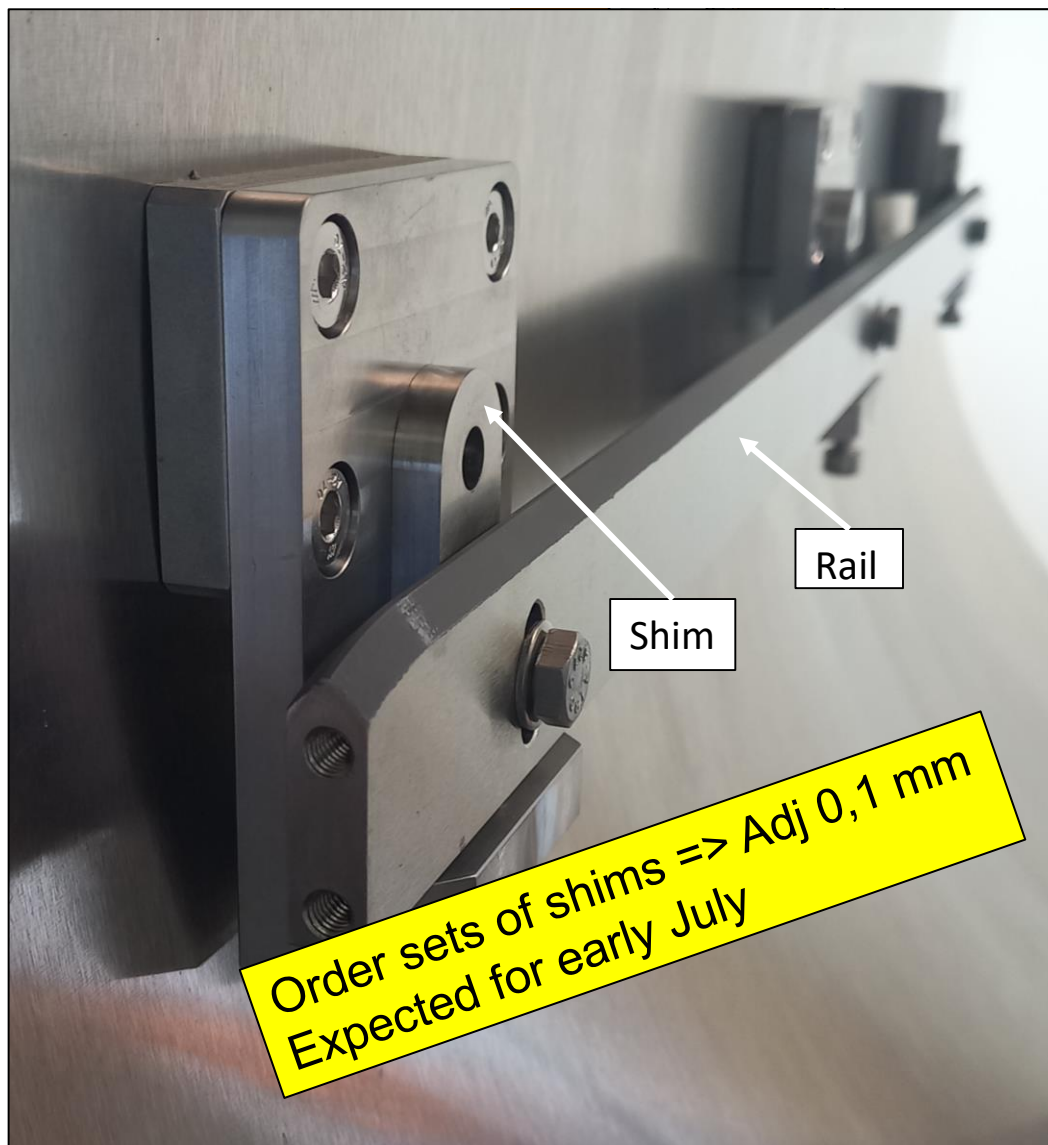
# MadMax Prototype - OB300 Installation

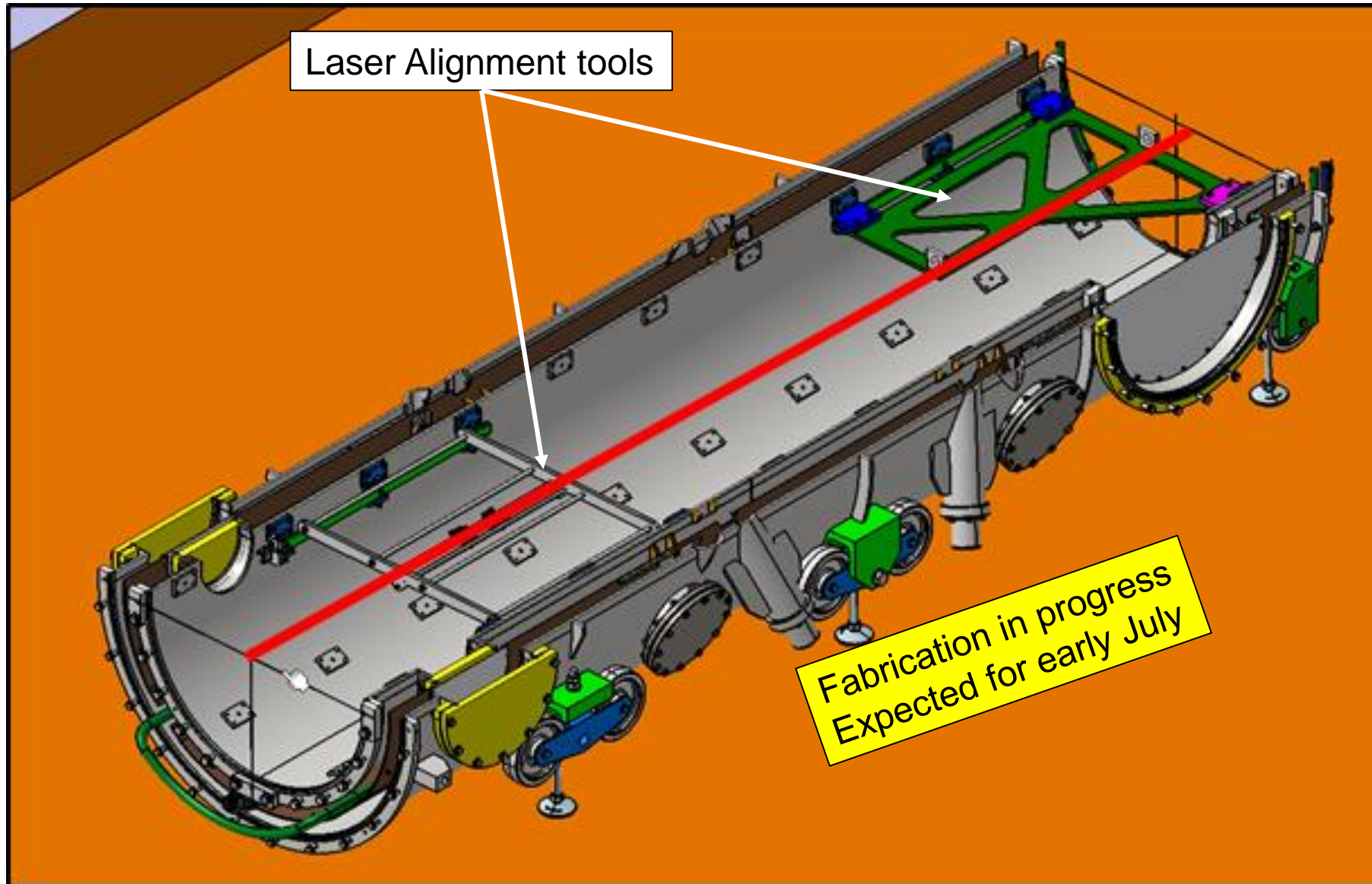
## Status of components and Tools

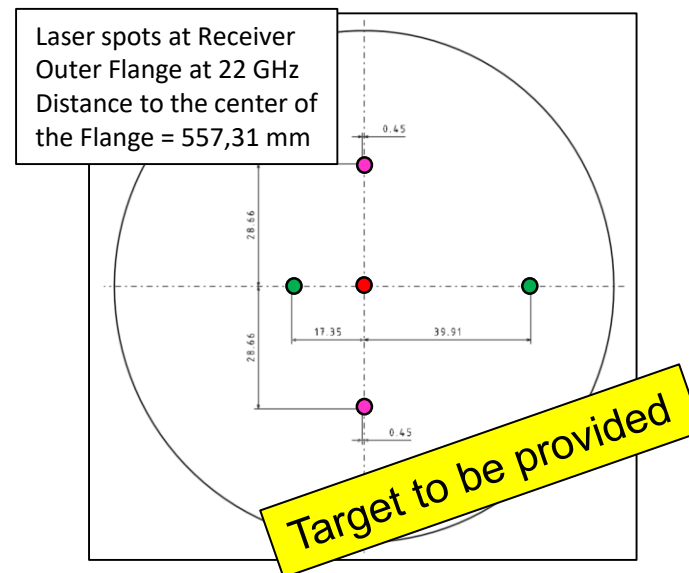
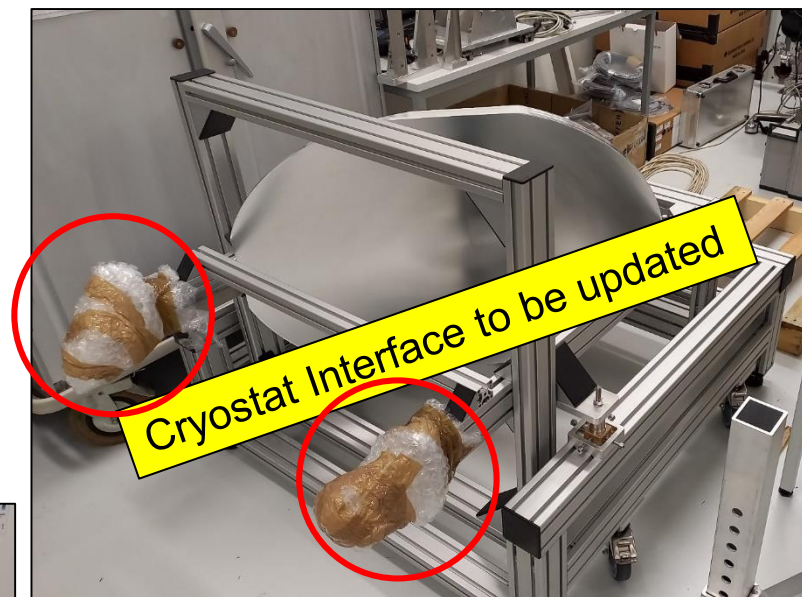
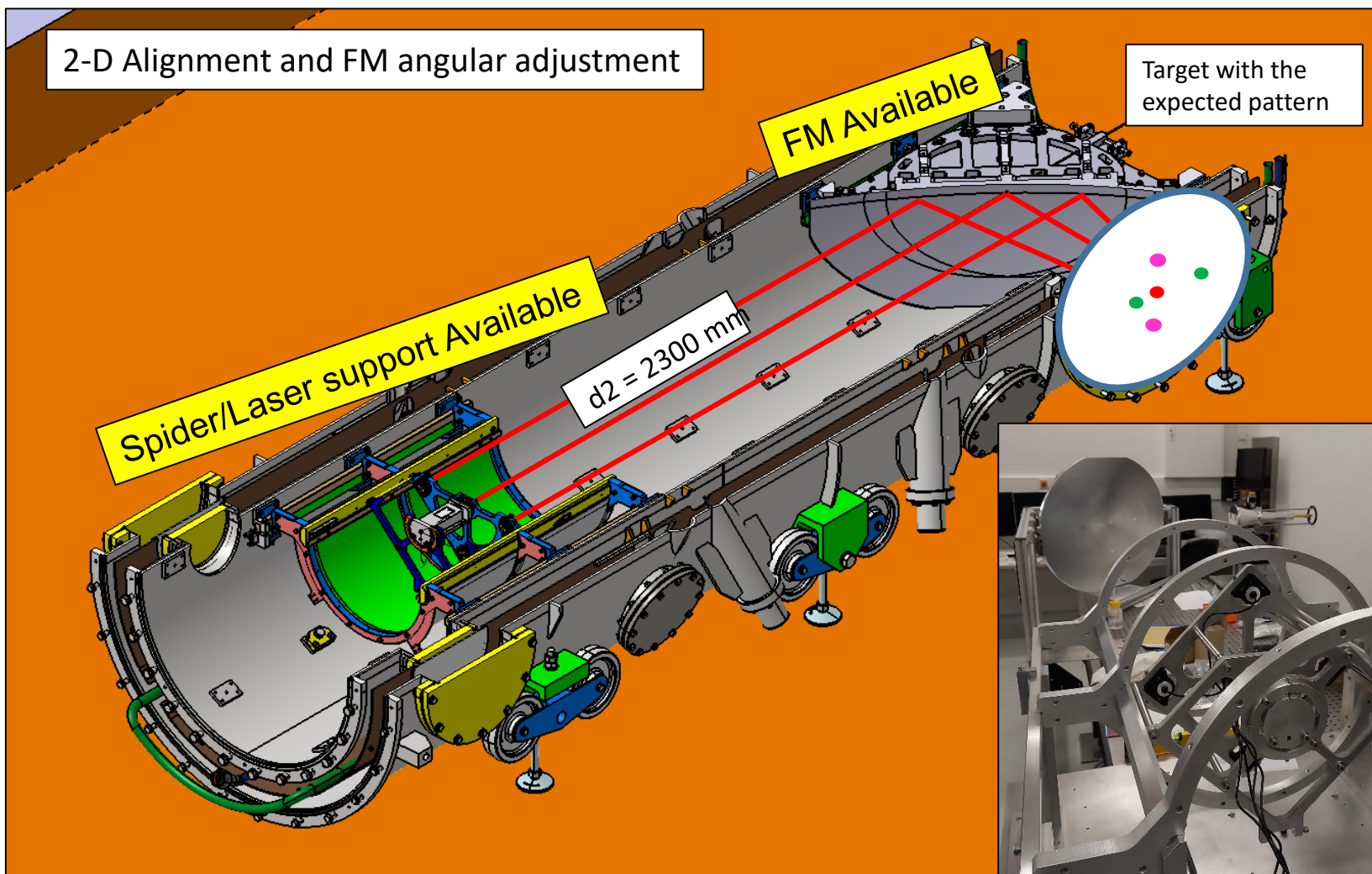
MadMax Meeting at Hamburg

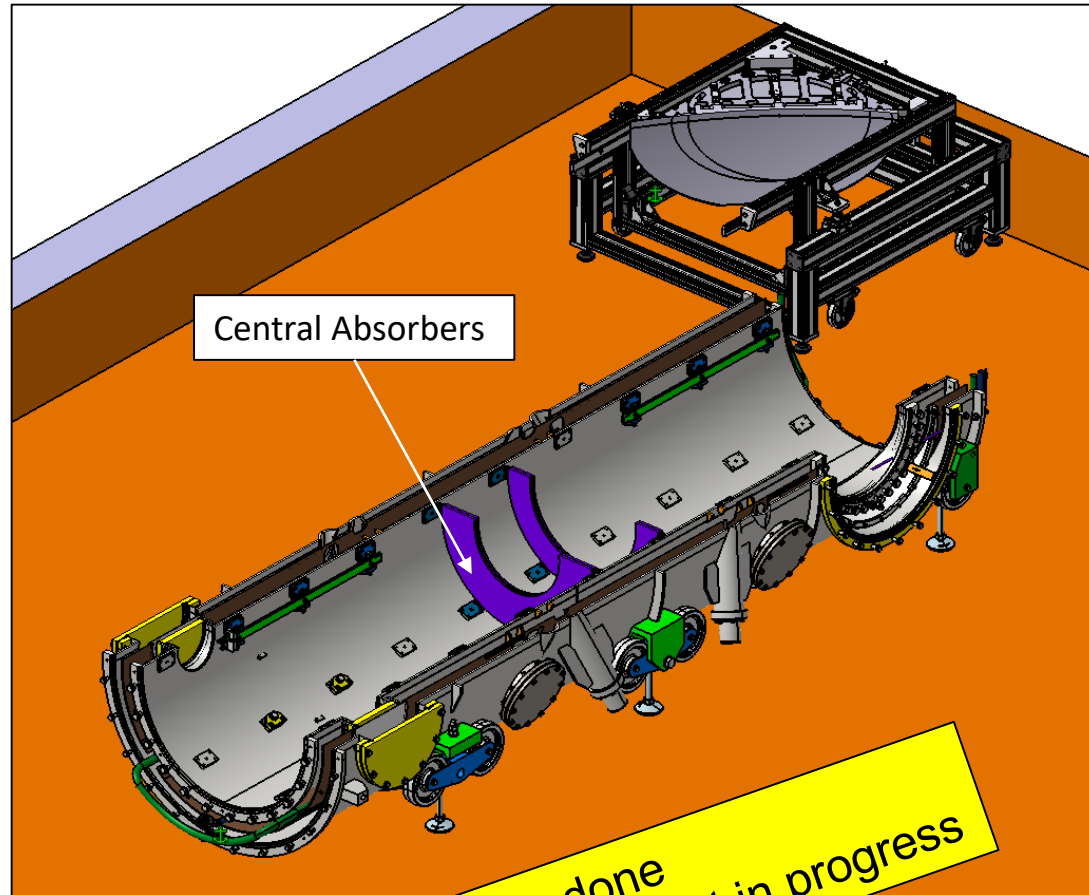
July 3-4, 2025

# Rail installation preparation

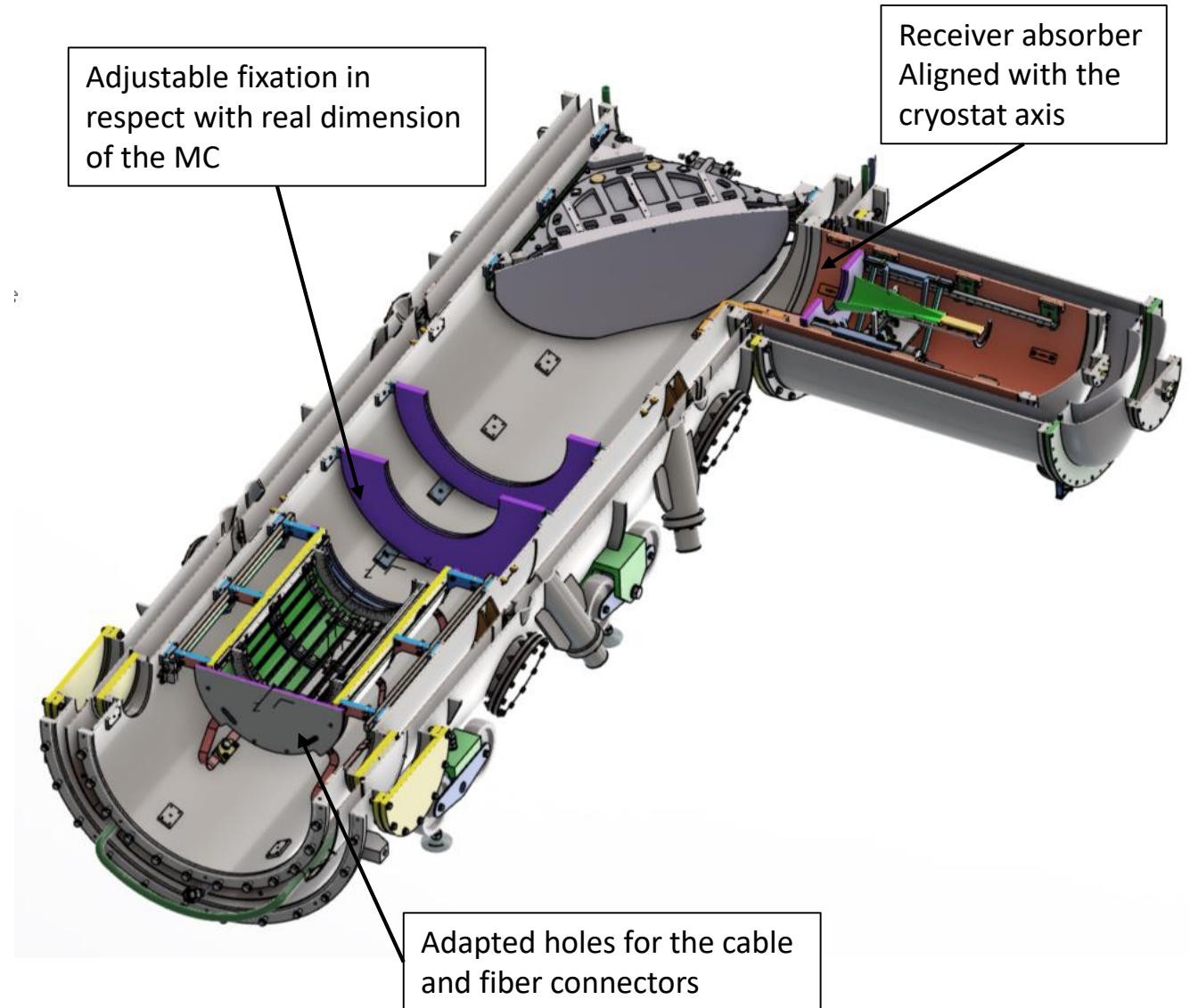




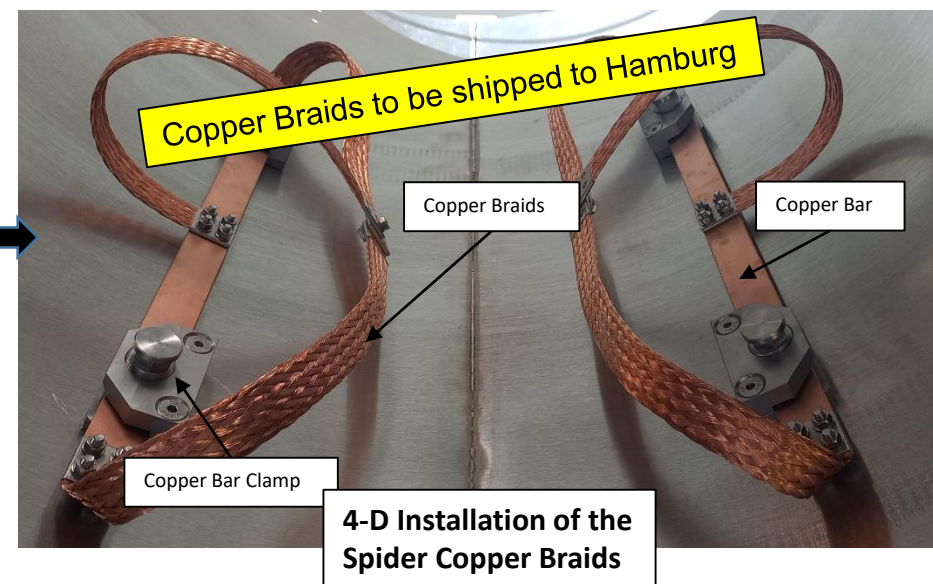
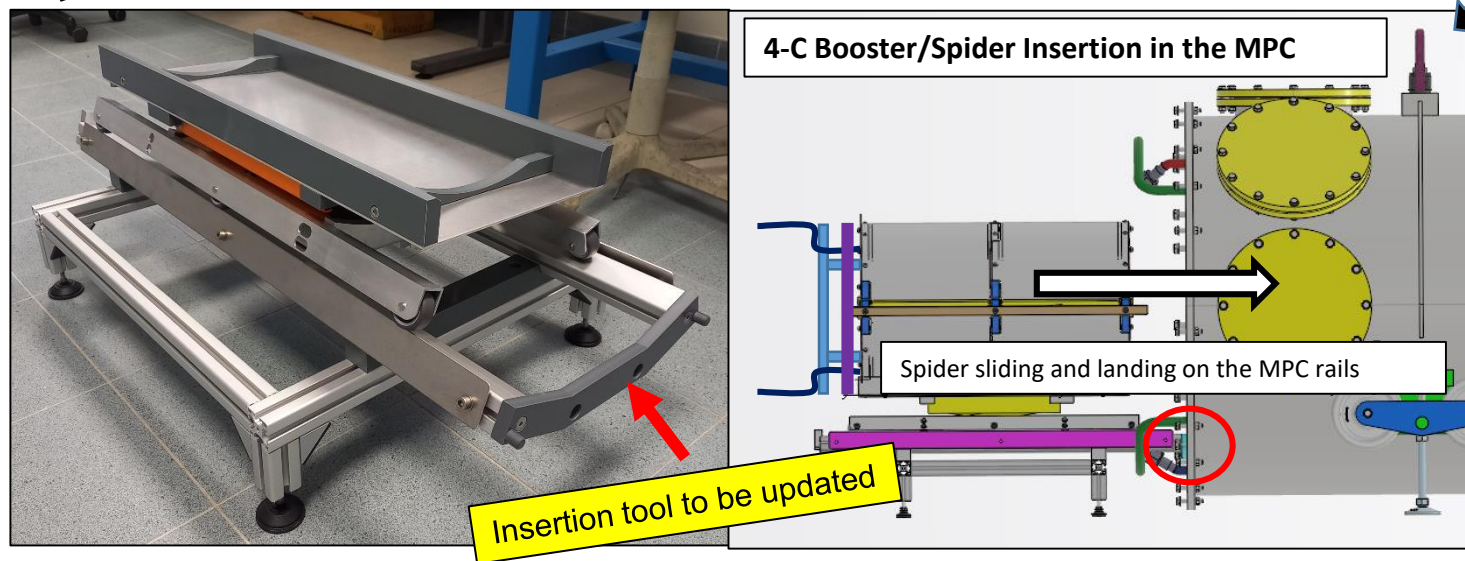
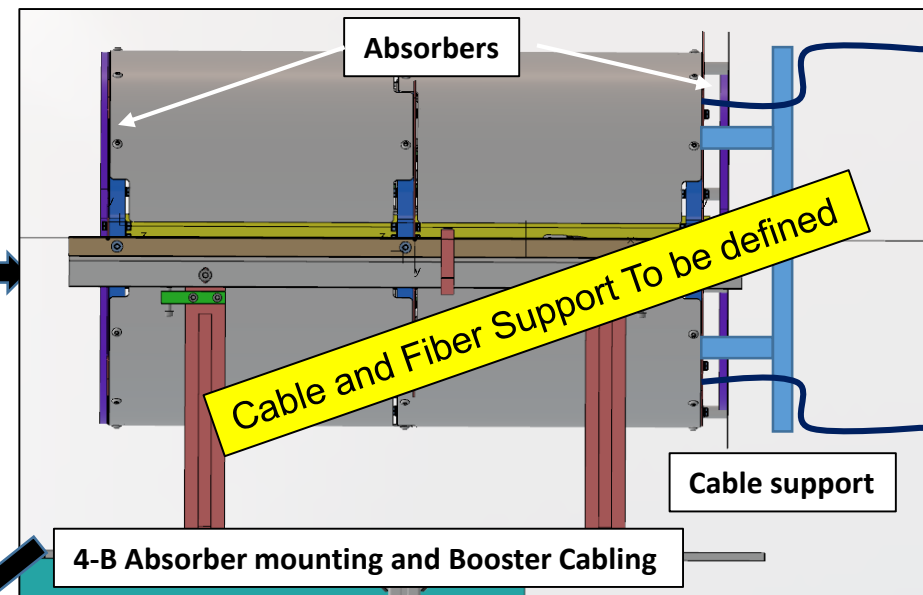
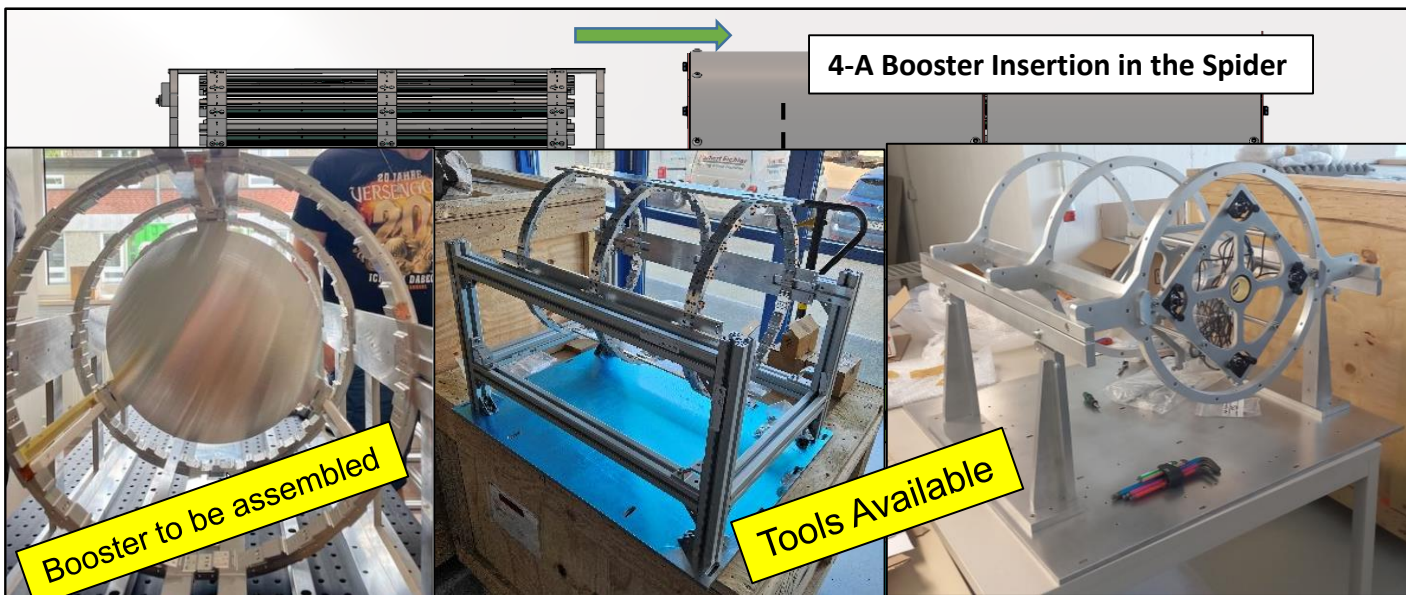


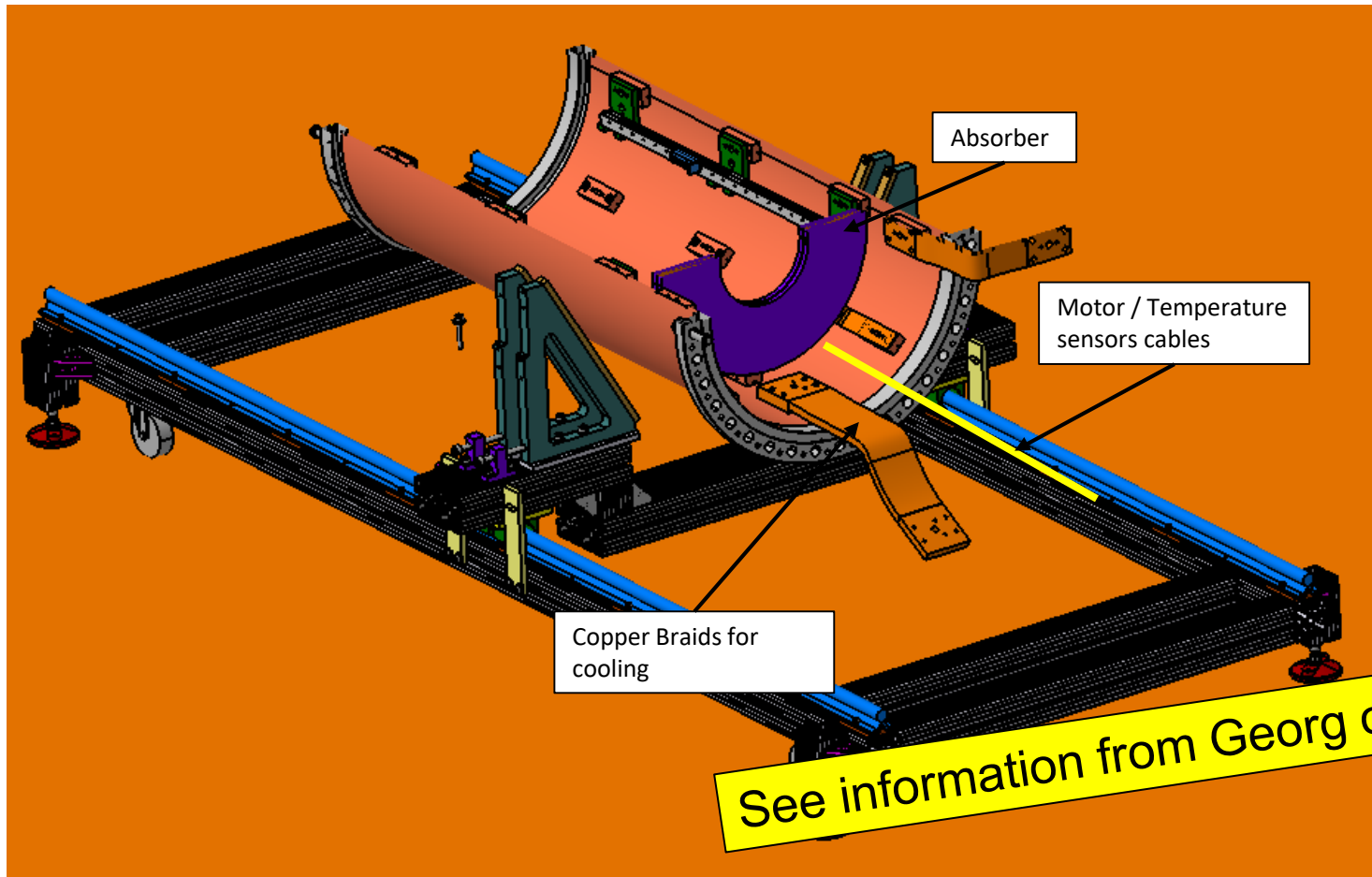


3D design done  
Quotation request in progress

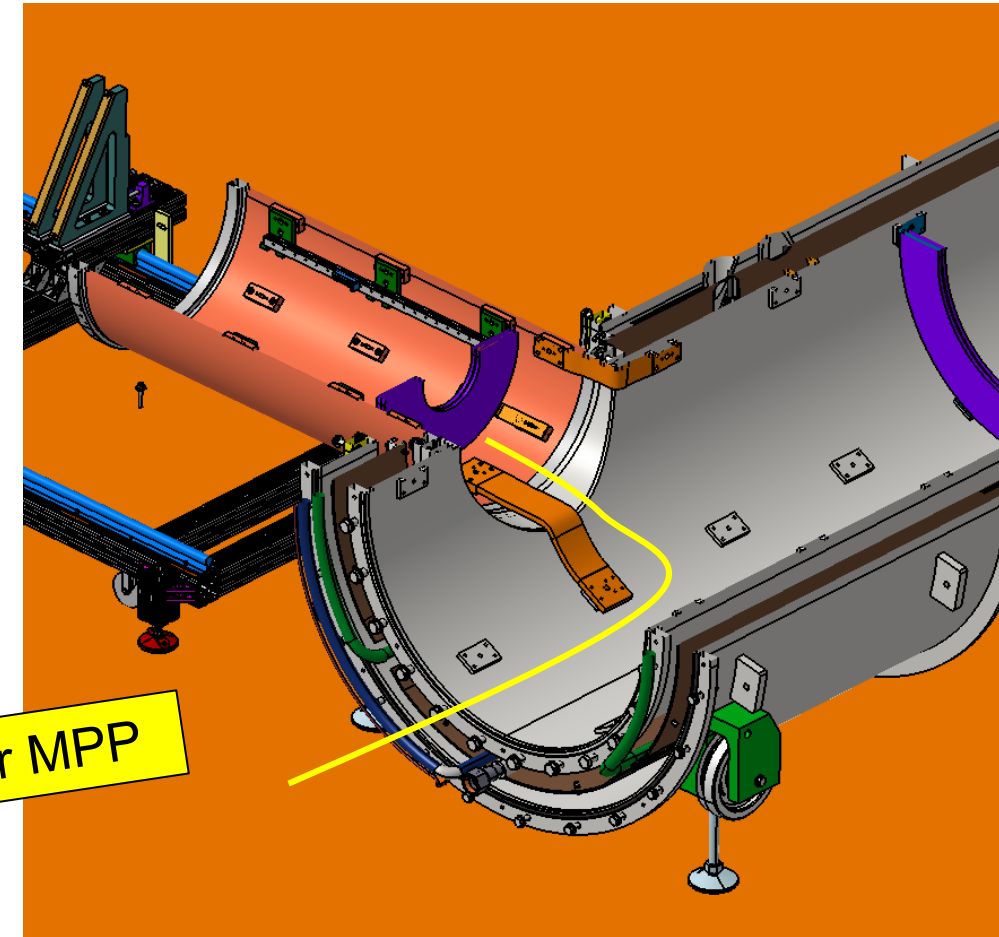


# Project OB300 - Alignment : 4- Booster Insertion



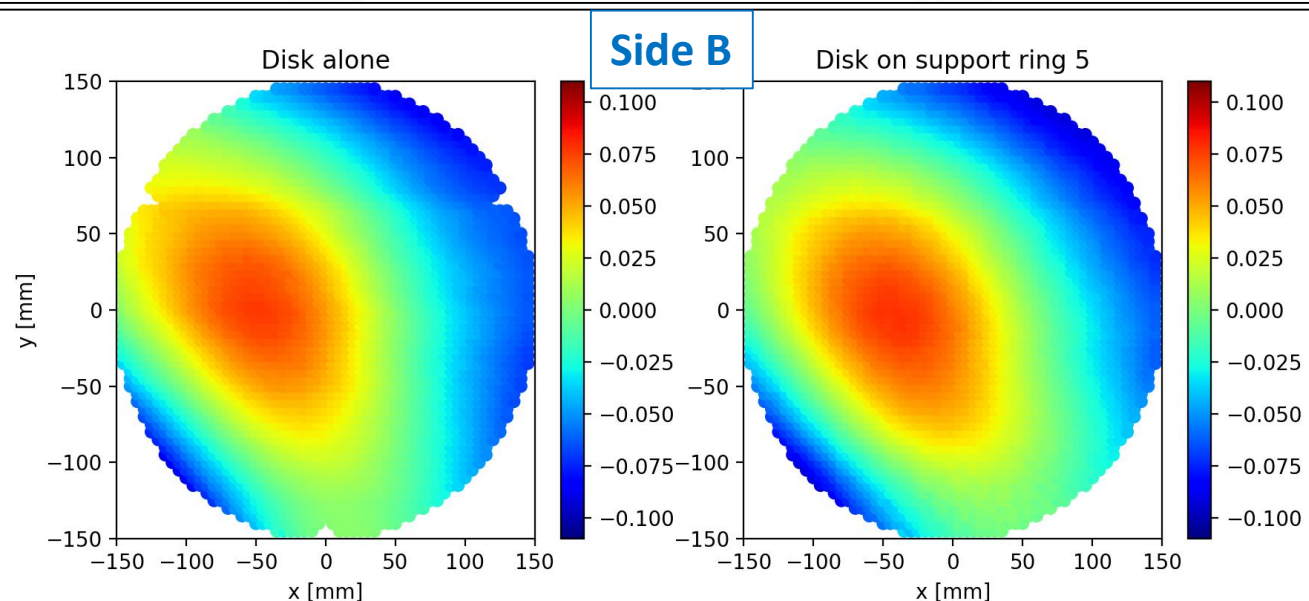
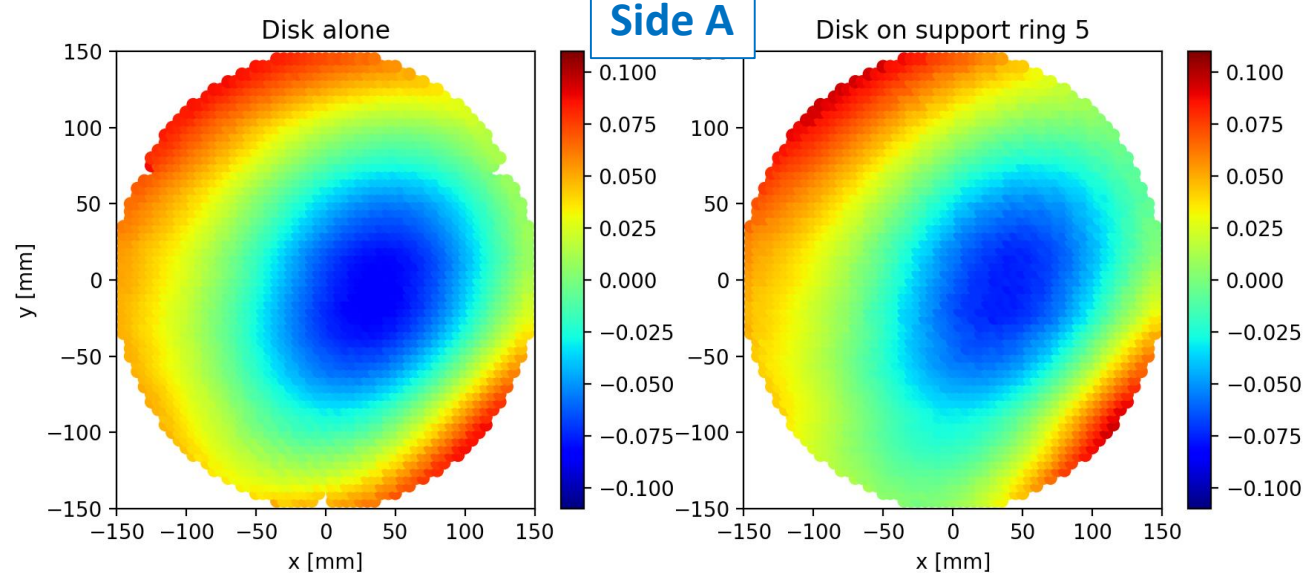


5-A Equipment of the Receiver Inner Vessel



5-B Mounting of the Inner Vessel on the MC

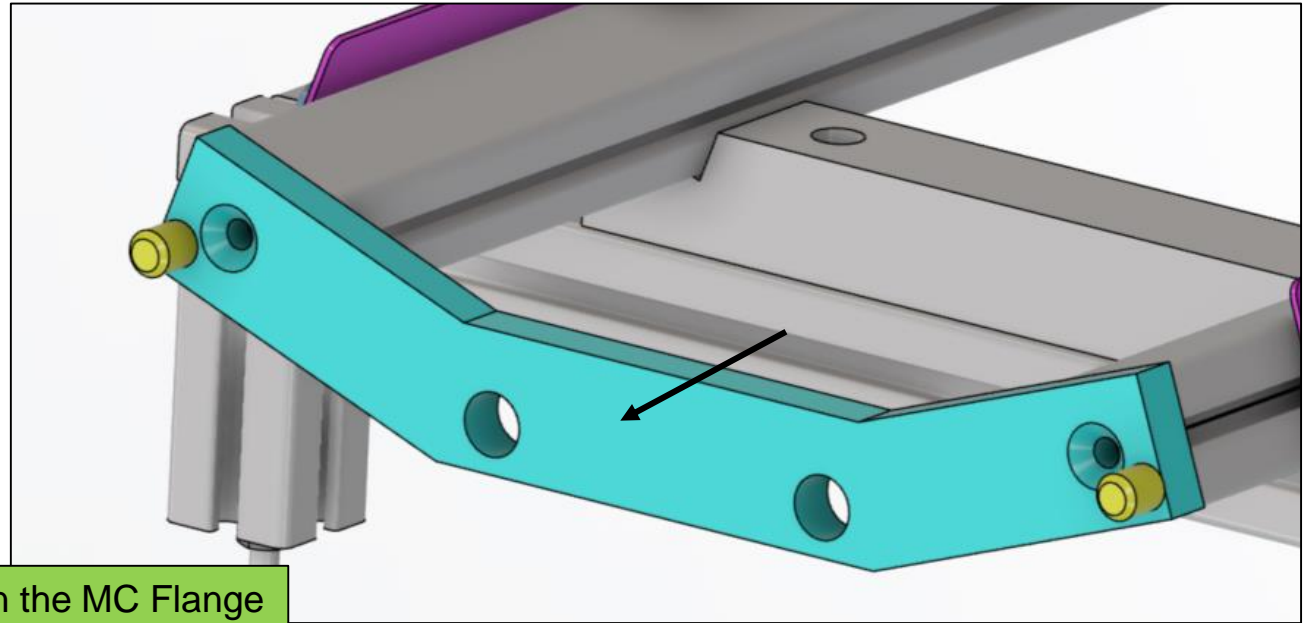
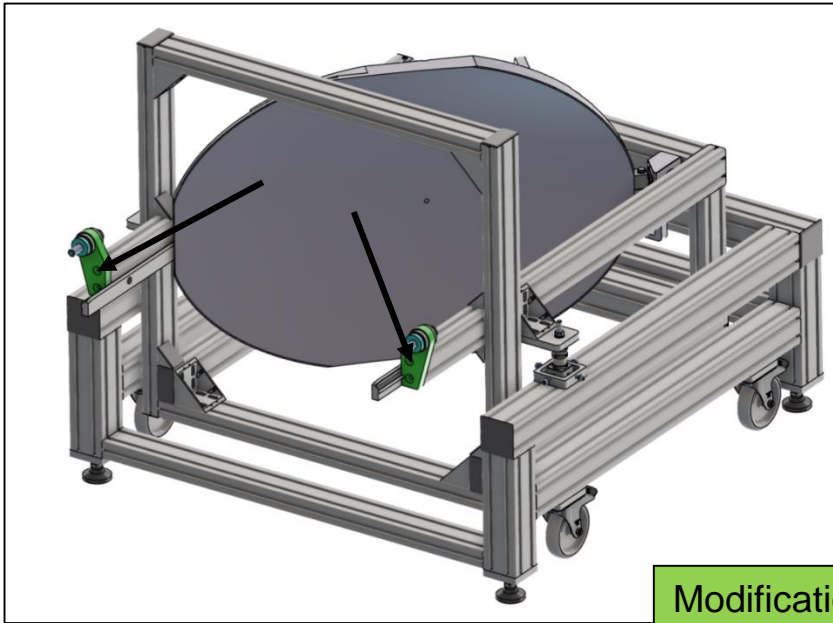
# Disk 5 measurement



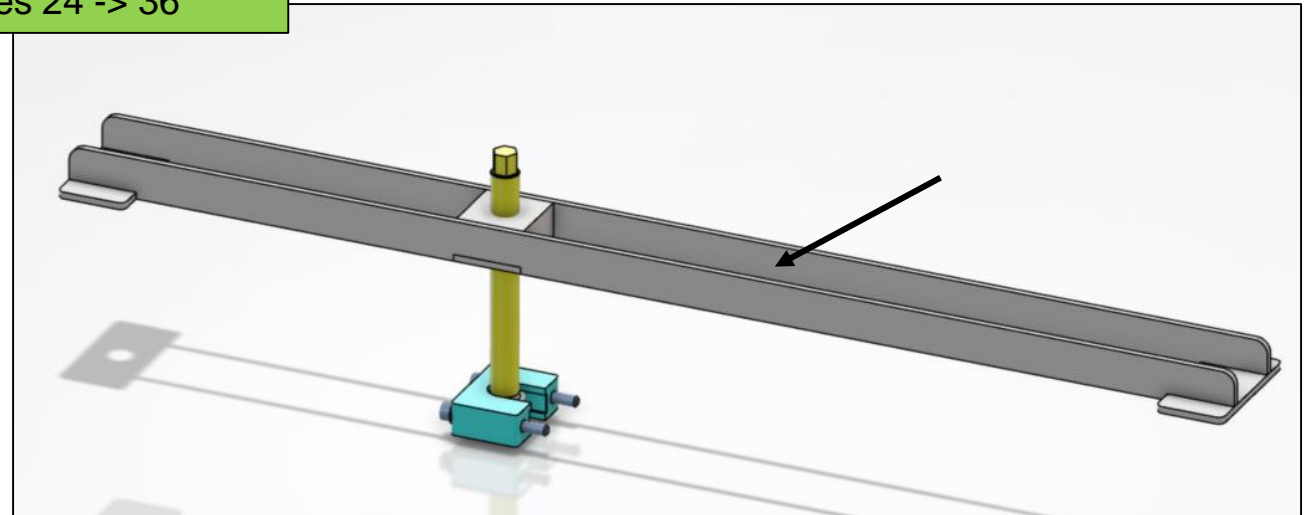
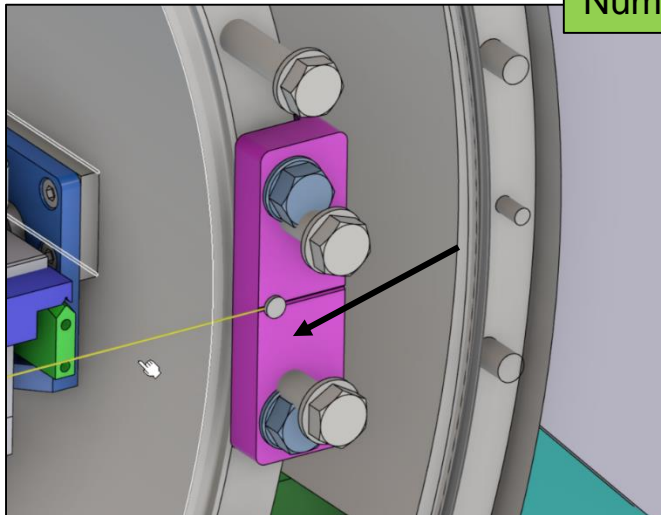
- face A without ring: RMS 43 microns (173 min-max )
- face A with ring 5: RMS 41 microns (172 min-max )
- face B without ring : RMS 41 microns (160 min-max )
- face B with ring 5: RMS 42 microns (170 min-max )



# MC – Inner vessel Flange modification : Modification

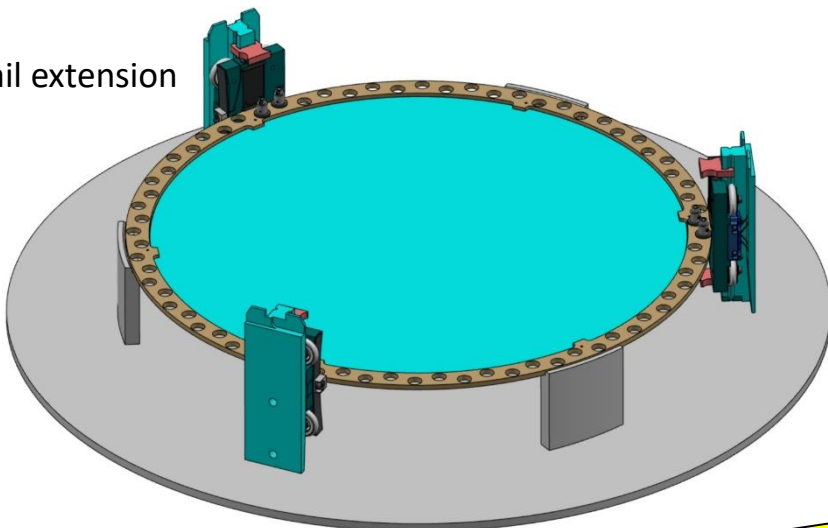


Modification on the MC Flange  
Number of holes 24 -> 36



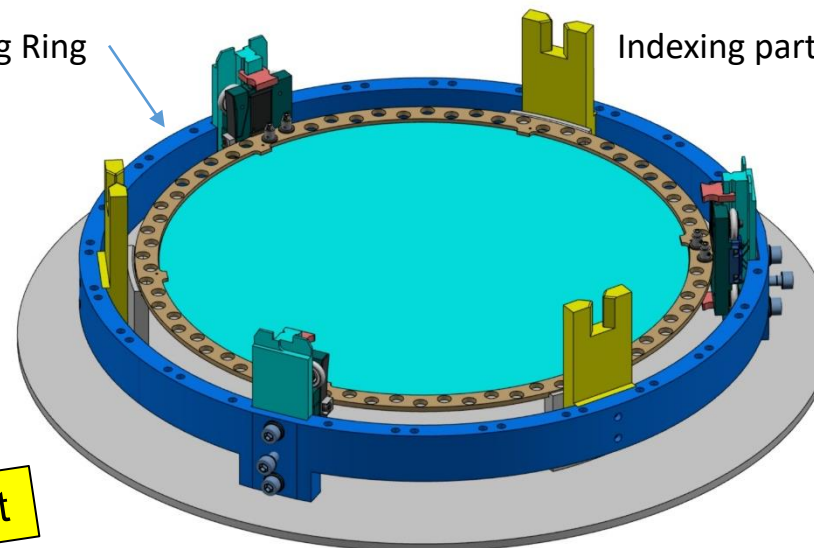
# Disk insertion in the Booster

Carriage + rail extension



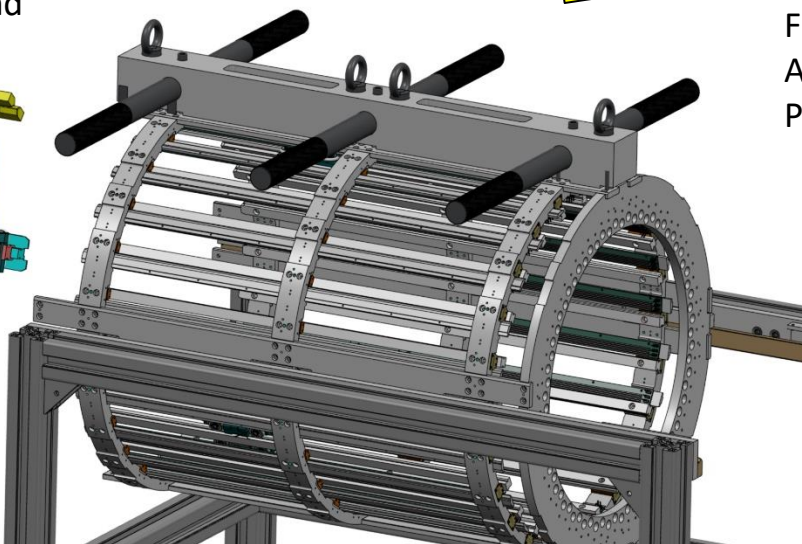
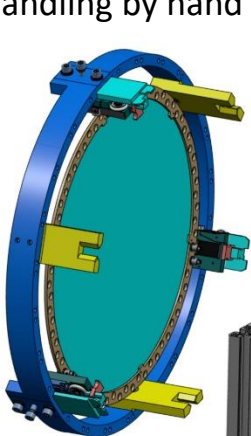
Supporting Ring

Indexing part on the rails

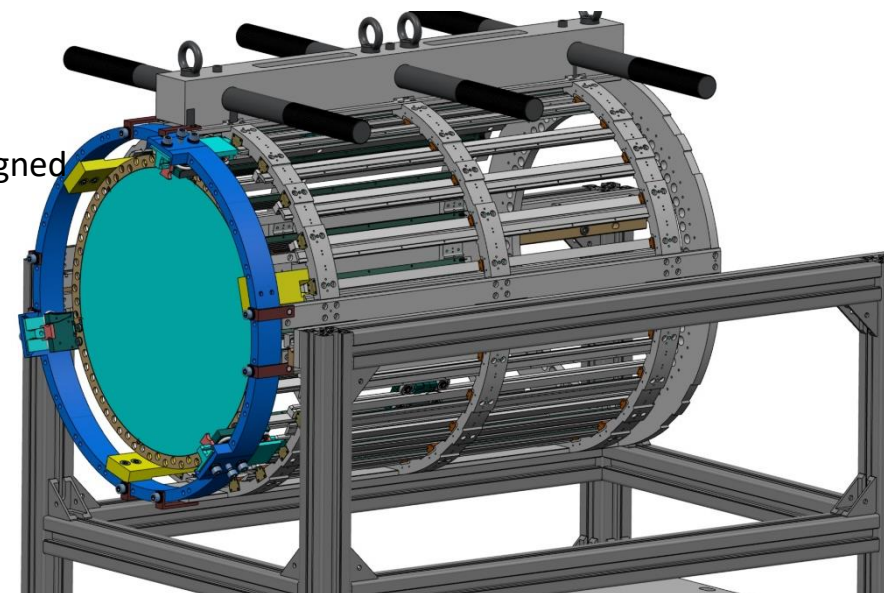


Design in progress => Mid August

Handling by hand



Fixed with clamps  
Alignment Rail/Extension  
Pushing with a tool to be designed



Step	Component	Comments
In Design	Absorbers Laser Target on Flange Booster Fiber and Cable Support on spider Disk insertion Tool in the Booster	July September ? End of August
In Fabrication	Alignment Laser and Target Tools Receiver Cryostat Antenna mechanism Receiver Assembly Tool	July September ?
To be updated	Focusing Mirror Insertion Tool Spider insertion Tool FM Fine tuning Tool	Interface with MC => October
In Assembly	Booster Disc ring	To be shipped in July
Available	MC rail system + Spider Copper Braids Spider/Laser holder Spider Support Booster Support Focusing Mirror	To be shipped with the CPPM Tools