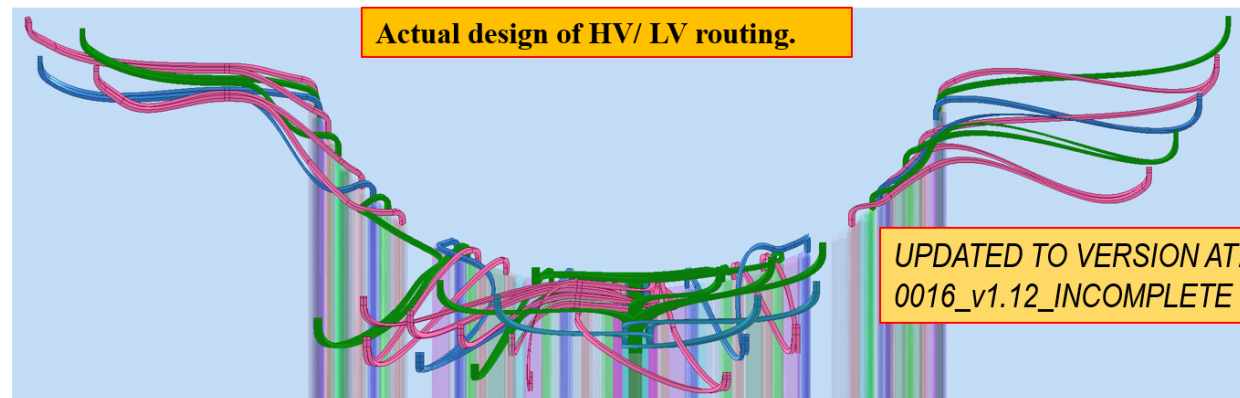
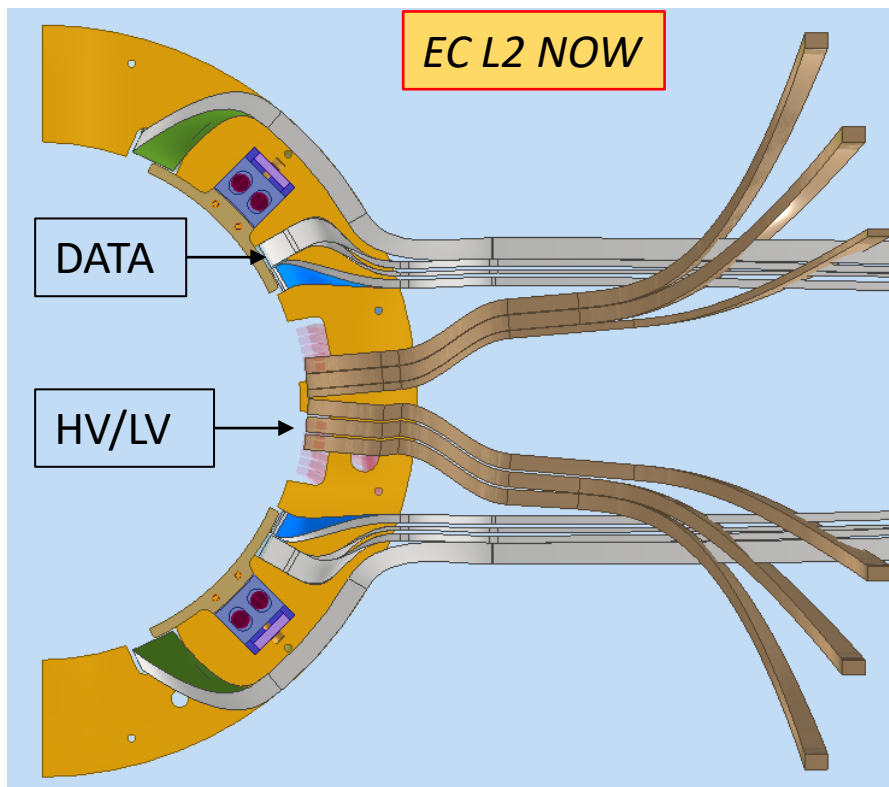


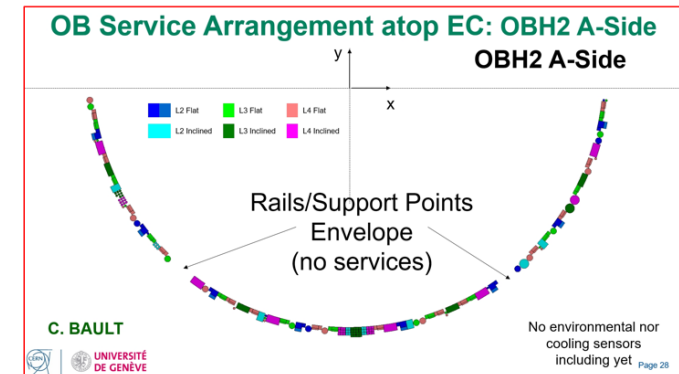
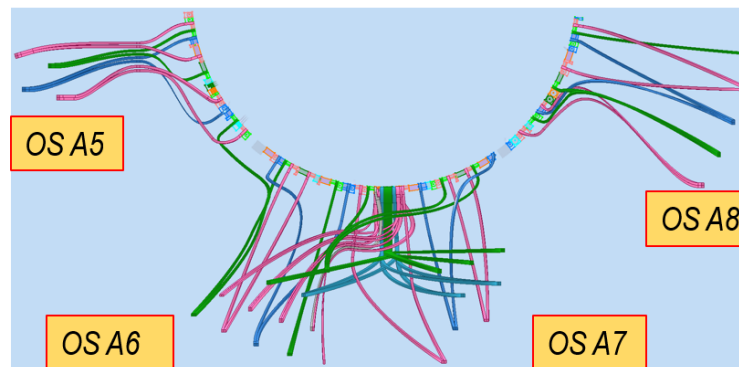
SEM Meeting



INFN-LNF
Filippo Rosatelli
06/12/2021

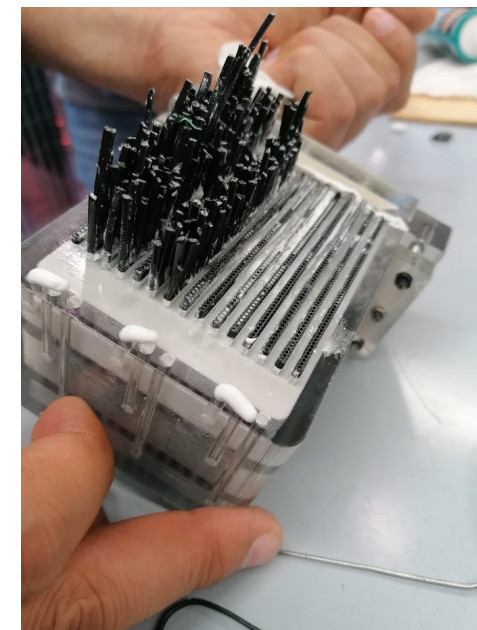
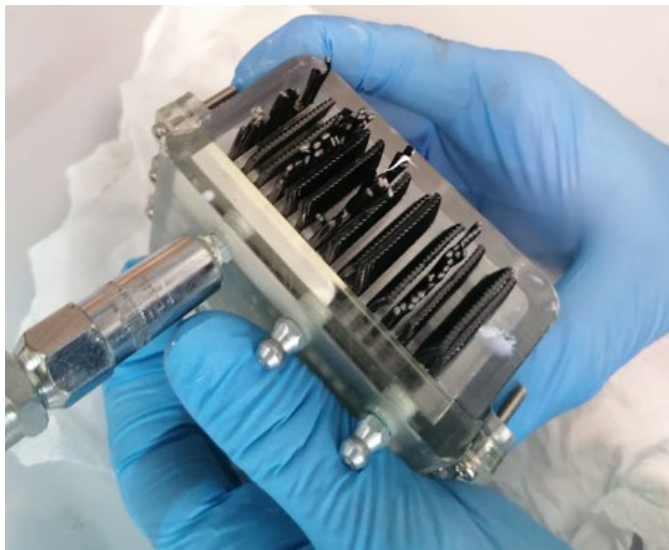
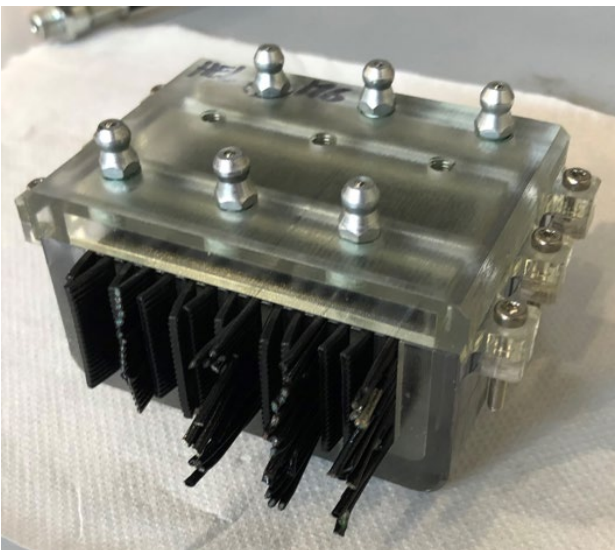


UPDATED TO VERSION AT2-IP-ES-0016_v1.12_INCOMPLETE (Matthias)



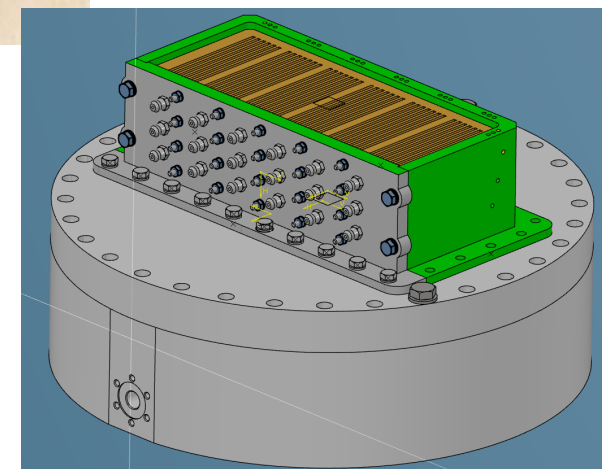
Activities:

- Update the Layer 2 routing in End caps (WIP). Waiting news from ATLAS collaboration.

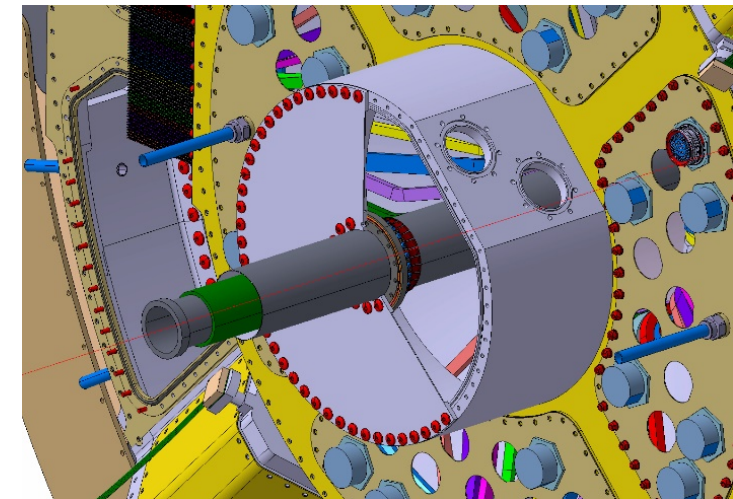
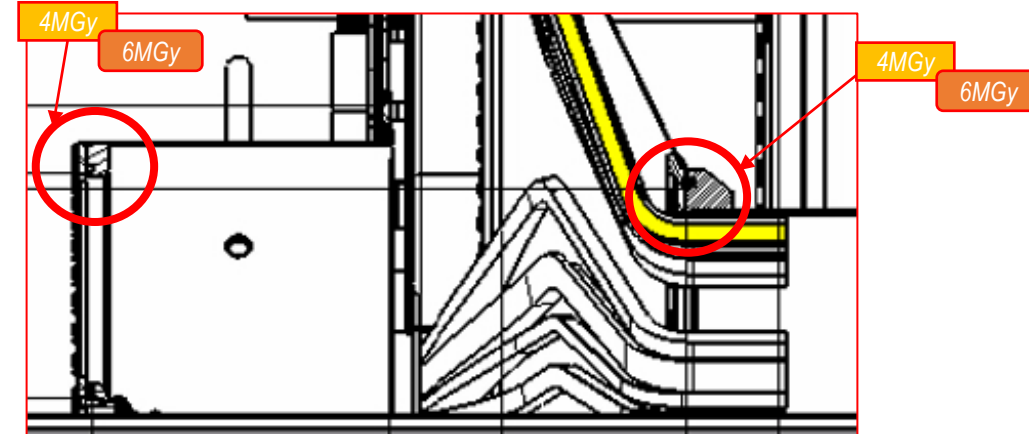
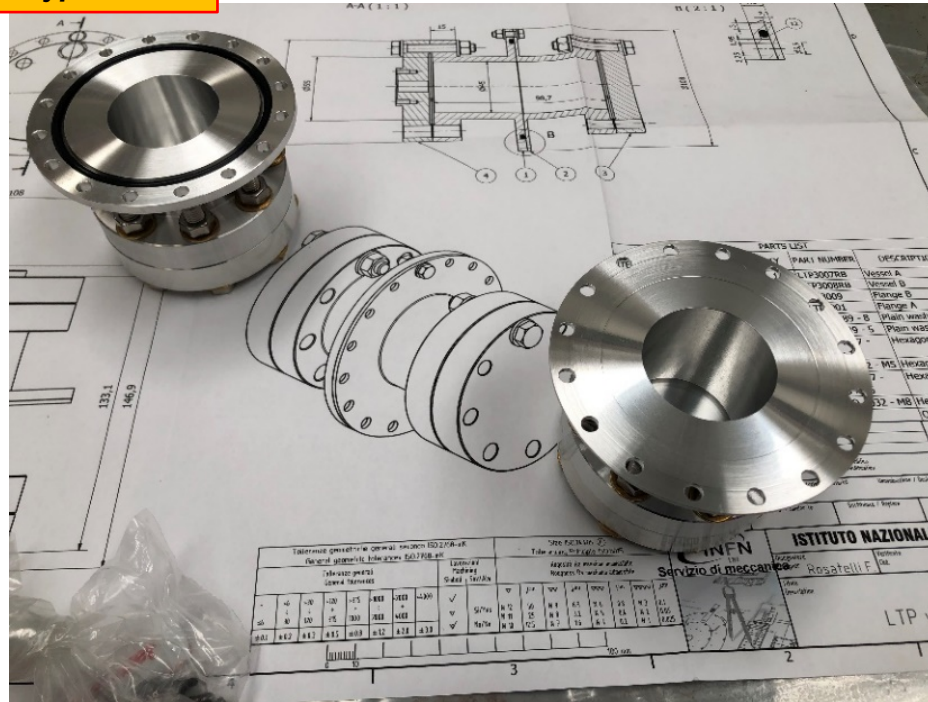


Activities:

- Test on different prototypes to verify the issues connected on filling process.
- Improve the solution adopted.
- Design the new 1:1 scale prototype for test (WIP)



Prototype tested

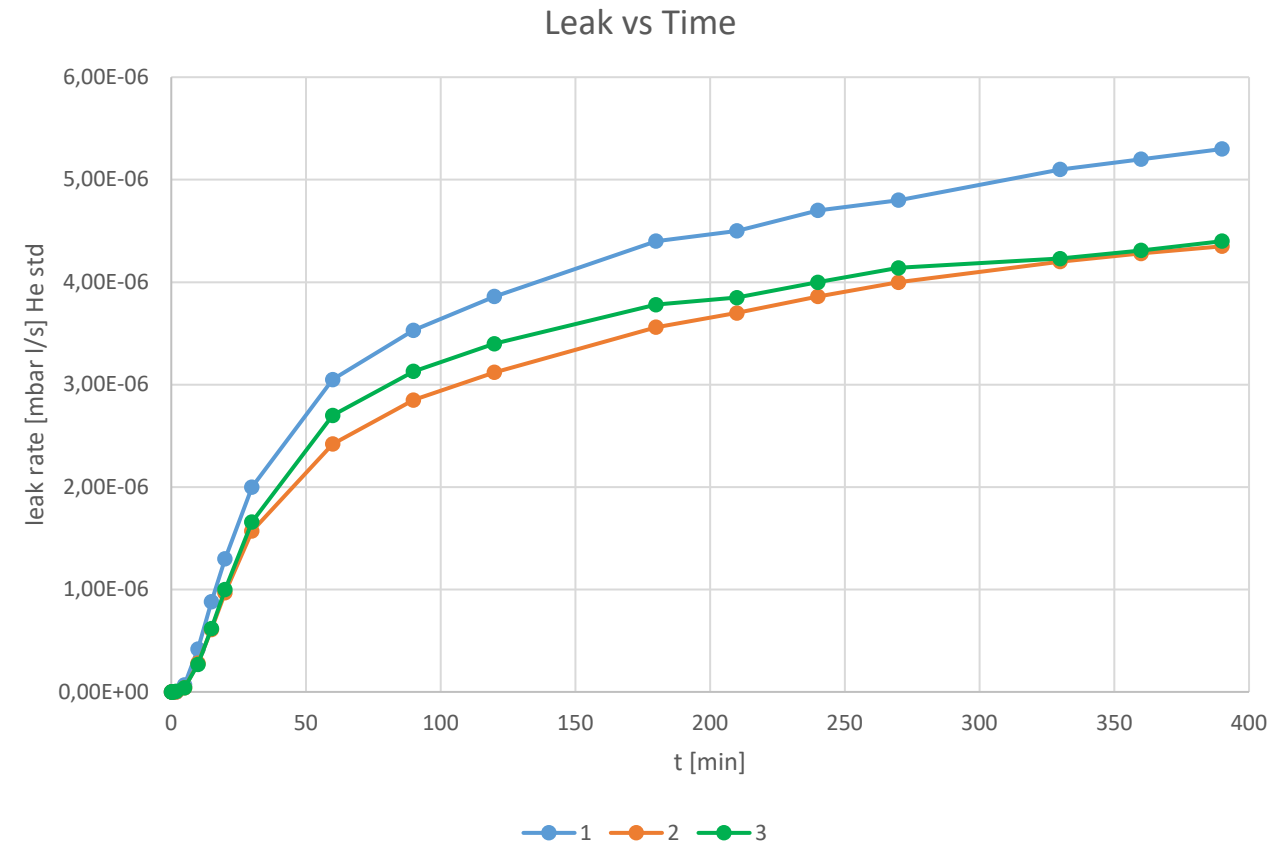


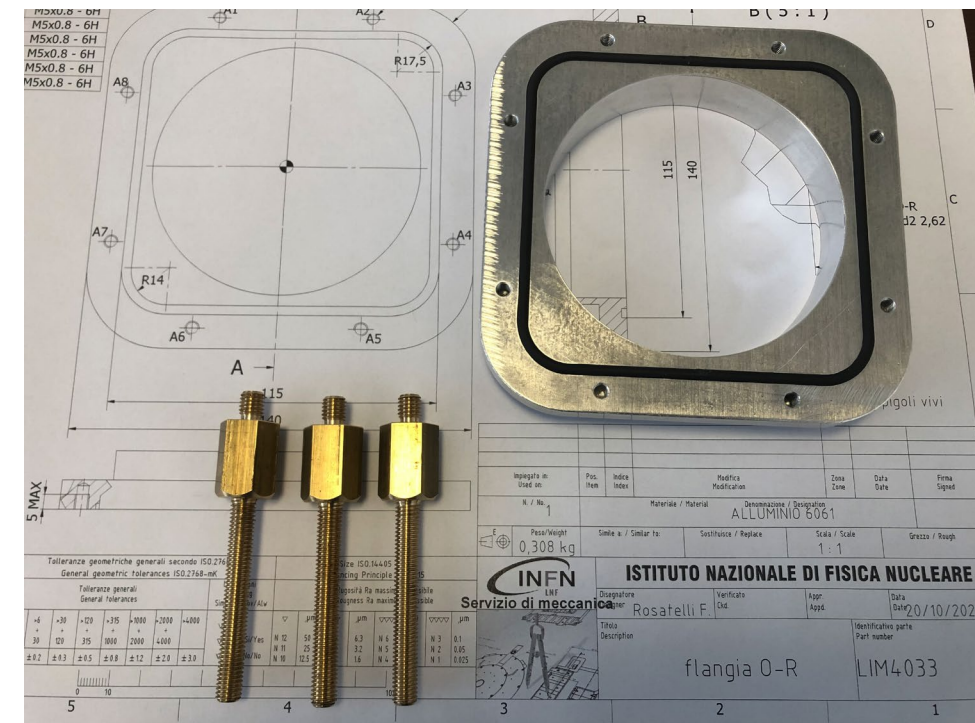
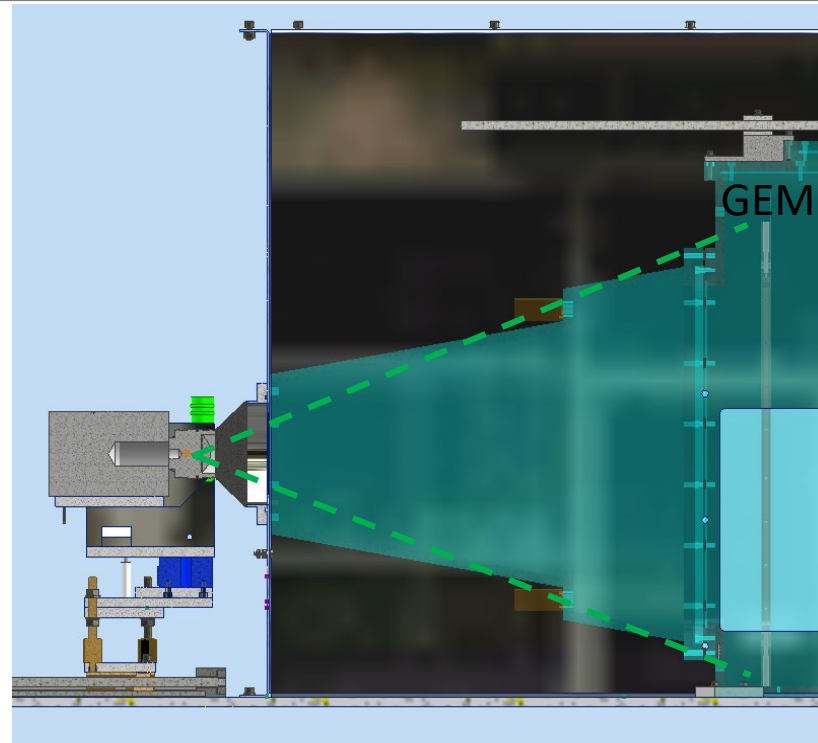
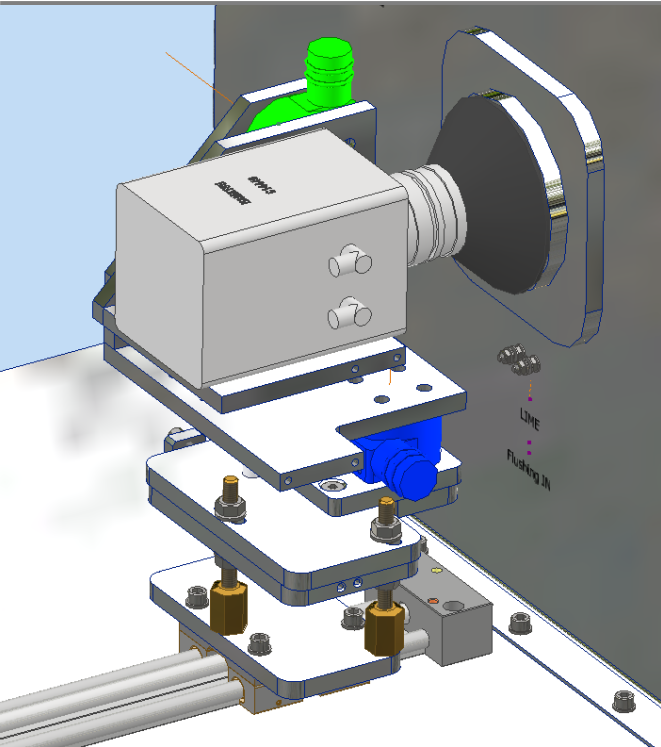
Activities:

- Production of samples for test O-ring leak.
- O-ring Leak check test performed.
- Sent the three samples to US facility for irradiation up to 6 MGy.
- Migration to 3D experience.

Sample n°	Leak rate [mbar l/s] He std after 6 h
1	5,2E-06
2	4,28E-06
3	4,31E-06

Sample n°	Leak rate [mbar l/s] He std after 24 h
1	5,42E-06
2	4,6E-06
3	4,62E-6

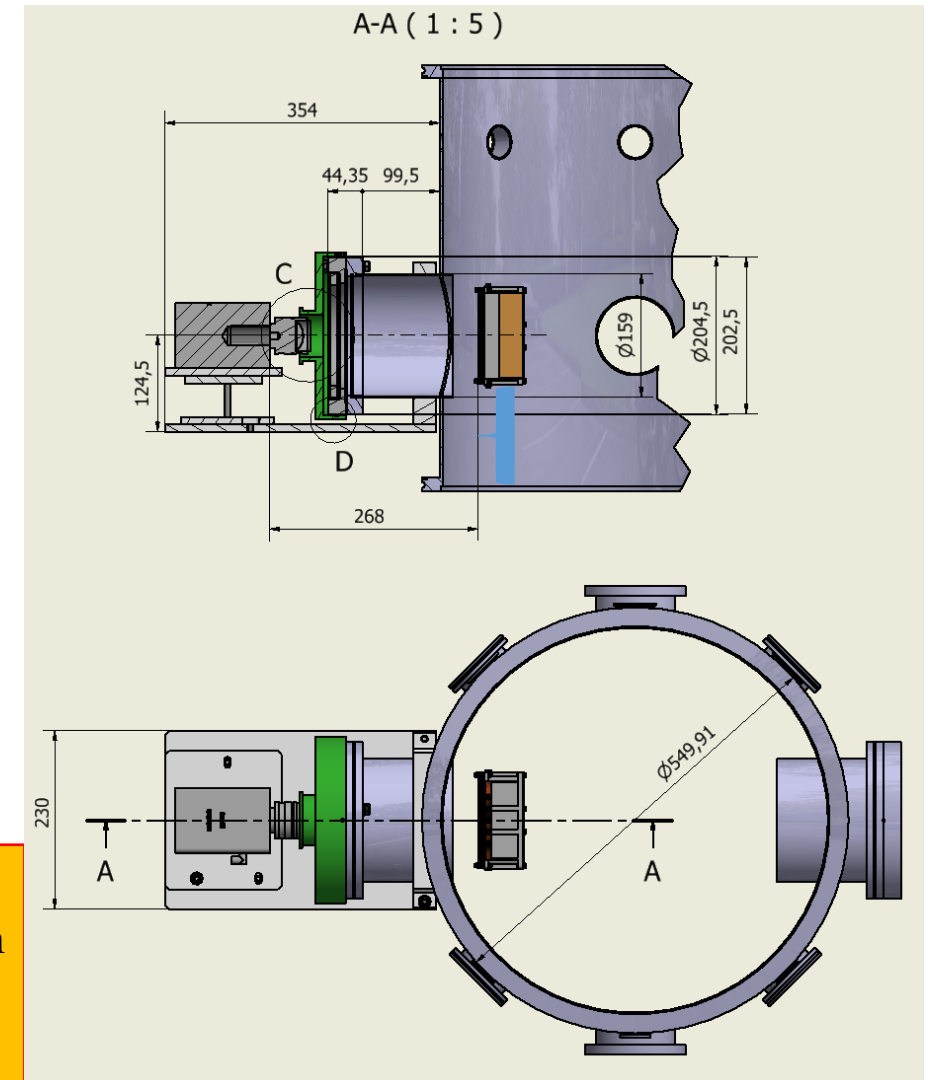
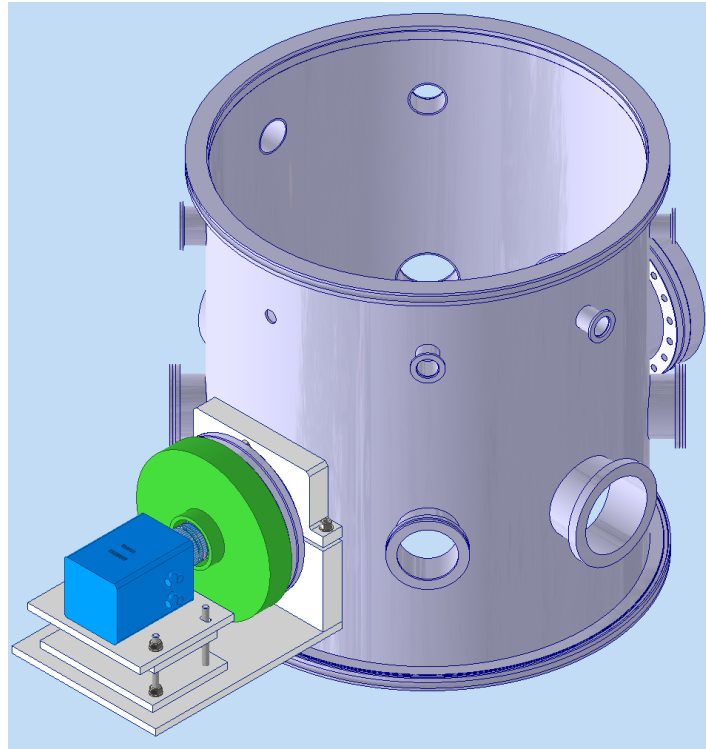




Activities:

- Design a new regulation system for CMOS camera.
- Production of components (WIP)
- Support to the experiment.
- Order of commercial part.





Activities:

- Design the support system for CMOS camera placed in front of the vacuum window .
- Production of components (WIP)