

SEM Meeting



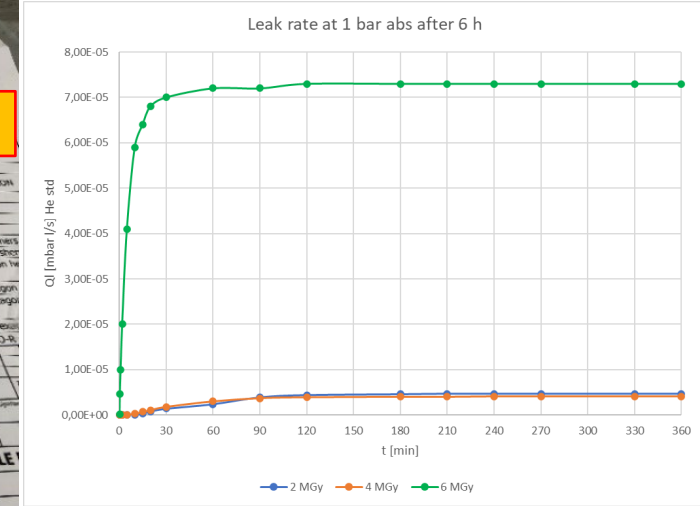
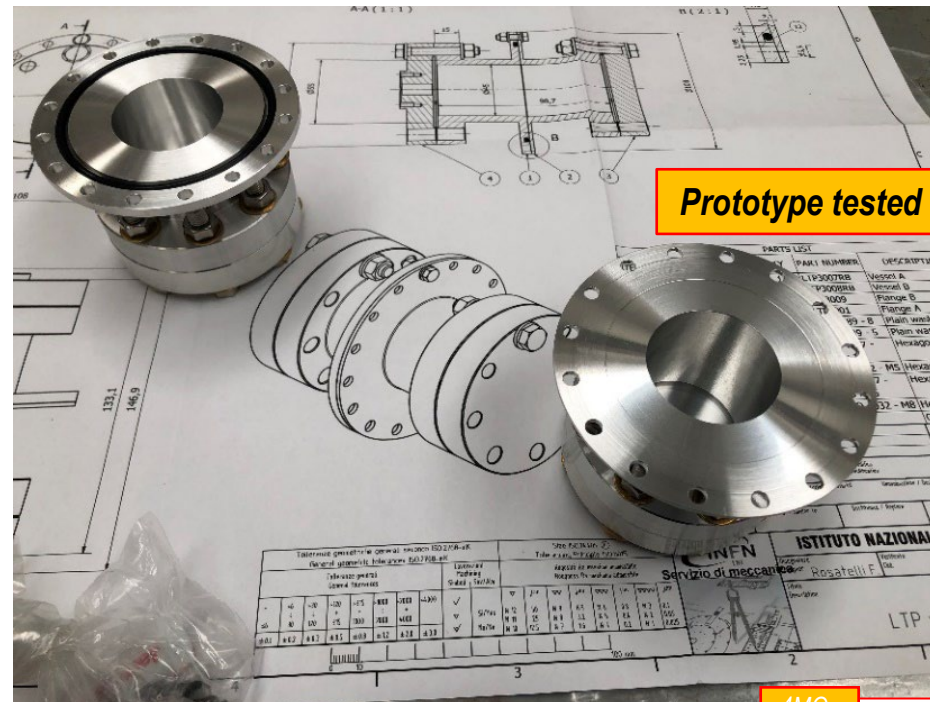
INFN-LNF
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06/06/2022



Activities:

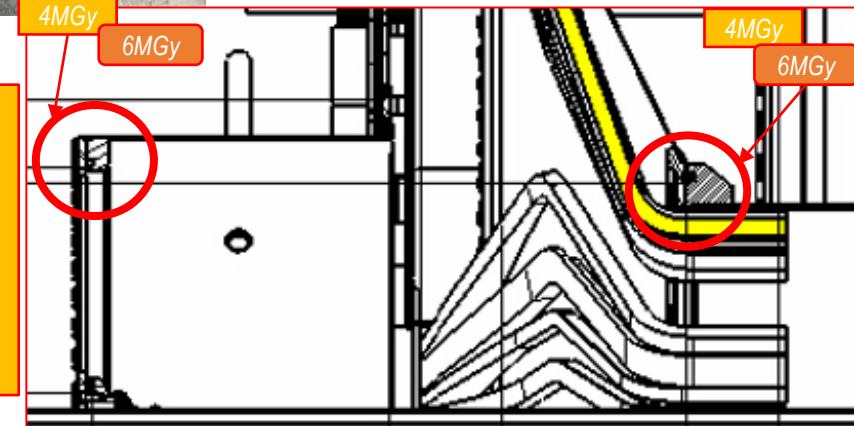
- Test on different prototypes to verify the issues connected on DFT filling process.
- Improve the solution adopted.
- Two 1:1 scale prototypes for test were made. Waiting for the new Twinax bundles.
- Check in PP1 assembly the proposals from collaboration (e.g. Strain relief variants).
- Presented the work status of SEM at Atlas Upgrade Week on 12th May.
- Science communicator at Open Day-SEM stand on 28th May .
- Slot for Forum on Tracking Detector Mechanics 2022 8-10 June.

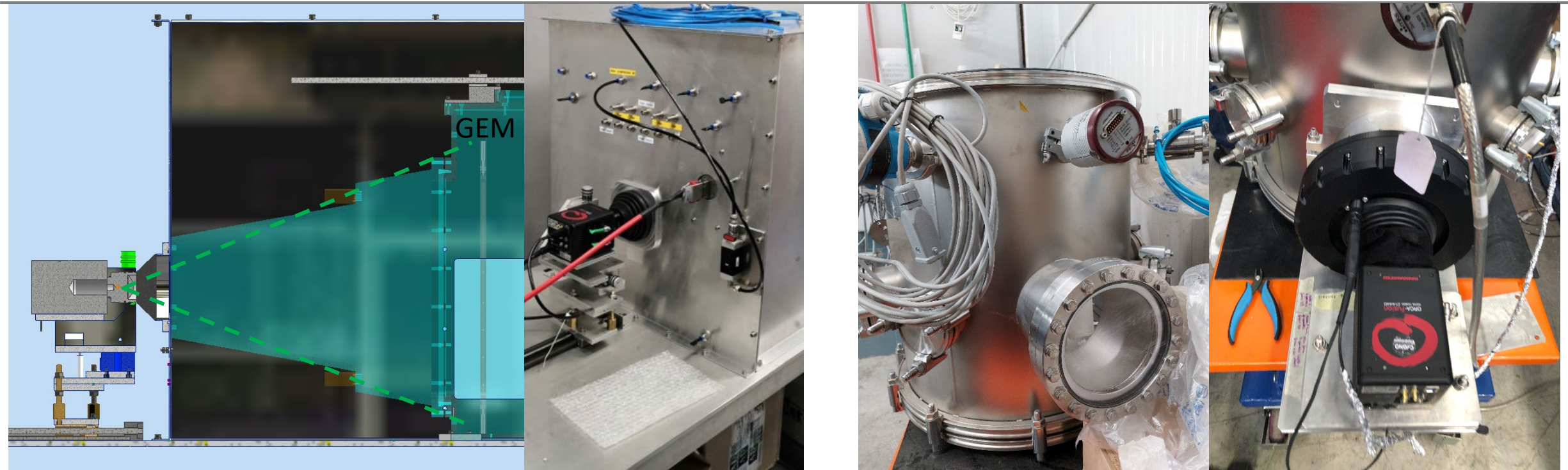
Sample n°	Irradiation1 [MGy]	Irradiation2 [MGy]	Irradiation3 [MGy]
1	2	4	6
2	4	6	-
3	6	-	-



Activities:

- O-ring Leak check test performed. Material qualification to use it in the detector critical areas.
- Sent the two samples to US facility for irradiation up to 6 MGy.
- Migration from Inventor 202X to 3D Experience platform (CAD)





Activities:

- Production of components for LIME 2 – Camera regulation system.
- Support to the experiment.
- Orders of commercial parts.
- LIME @ LNGS Underground
- LIME 2 @ ASTRA
- Begin the design of GIN Faraday cage.
- Design the support system for CMOS camera placed in front of the vacuum window .

