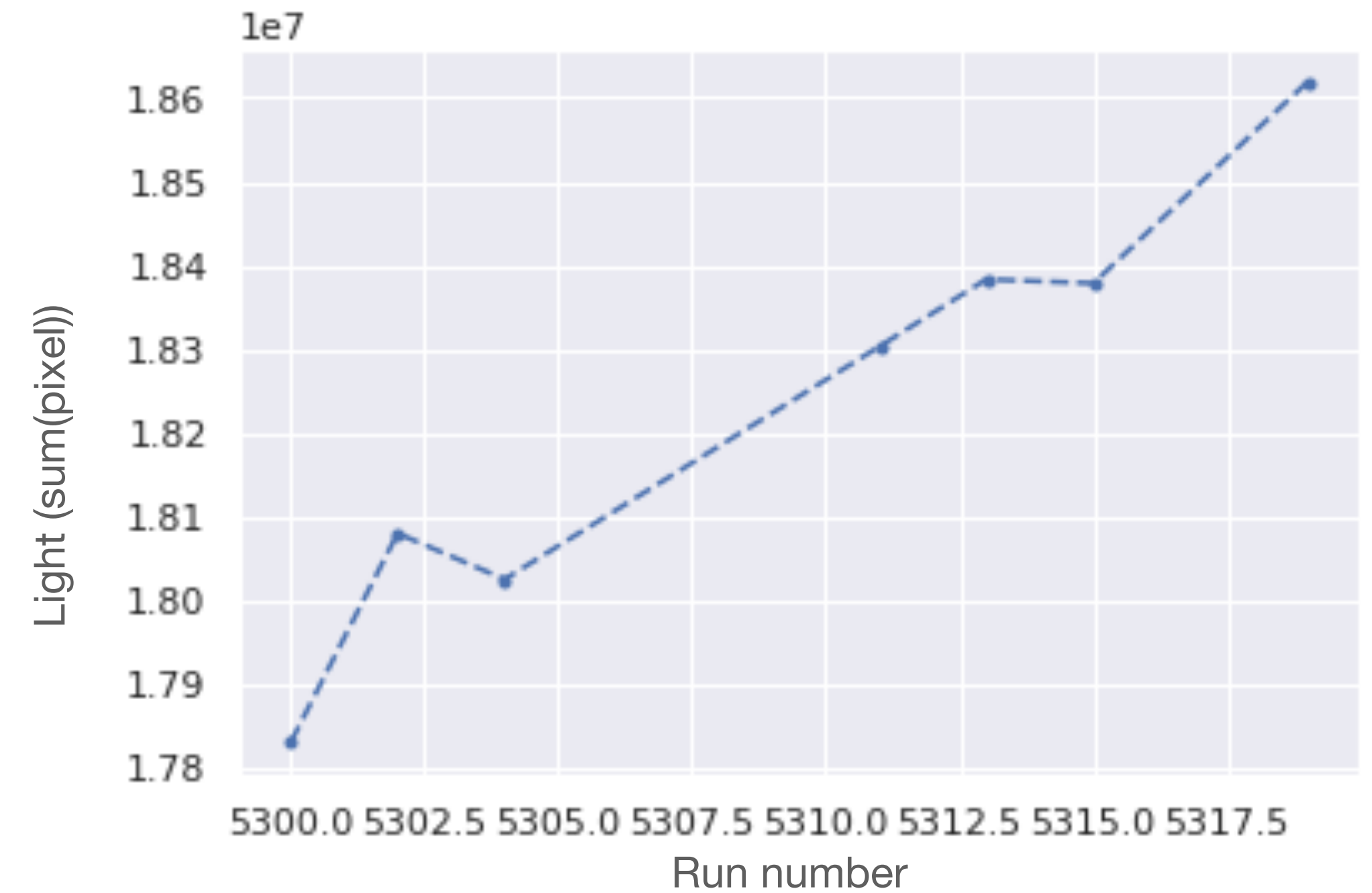
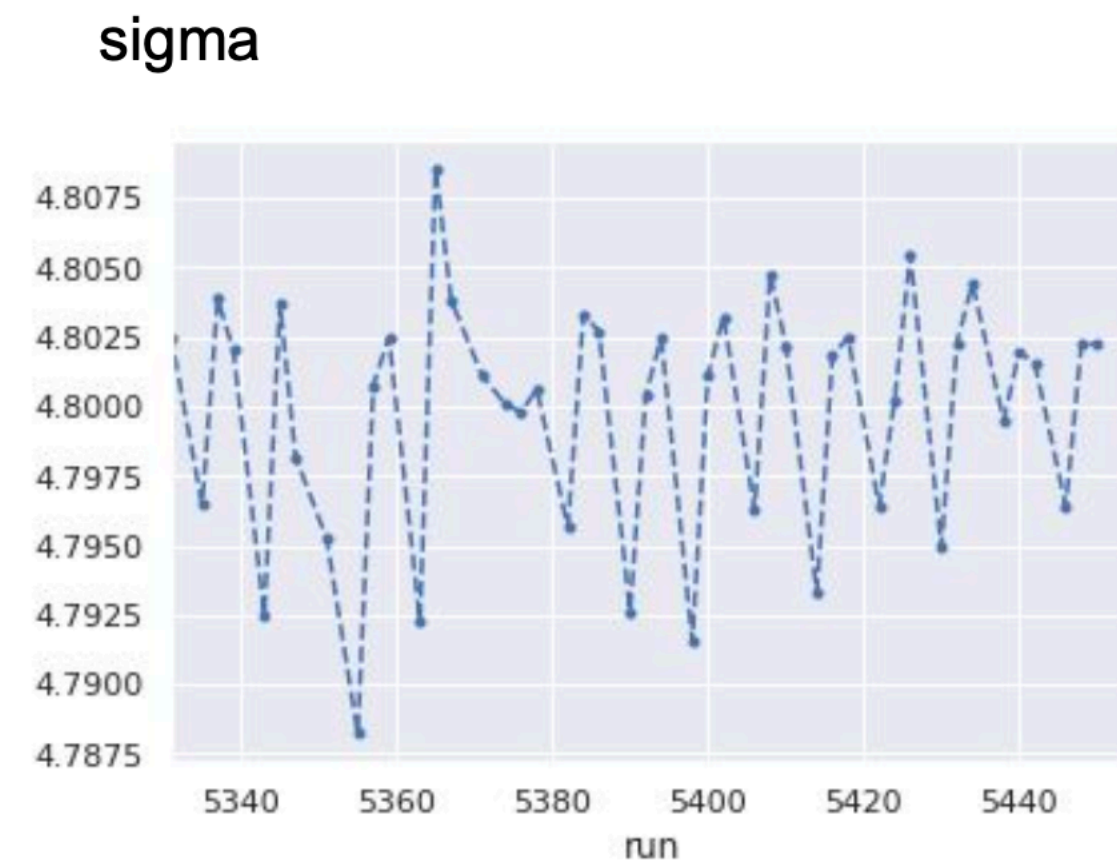
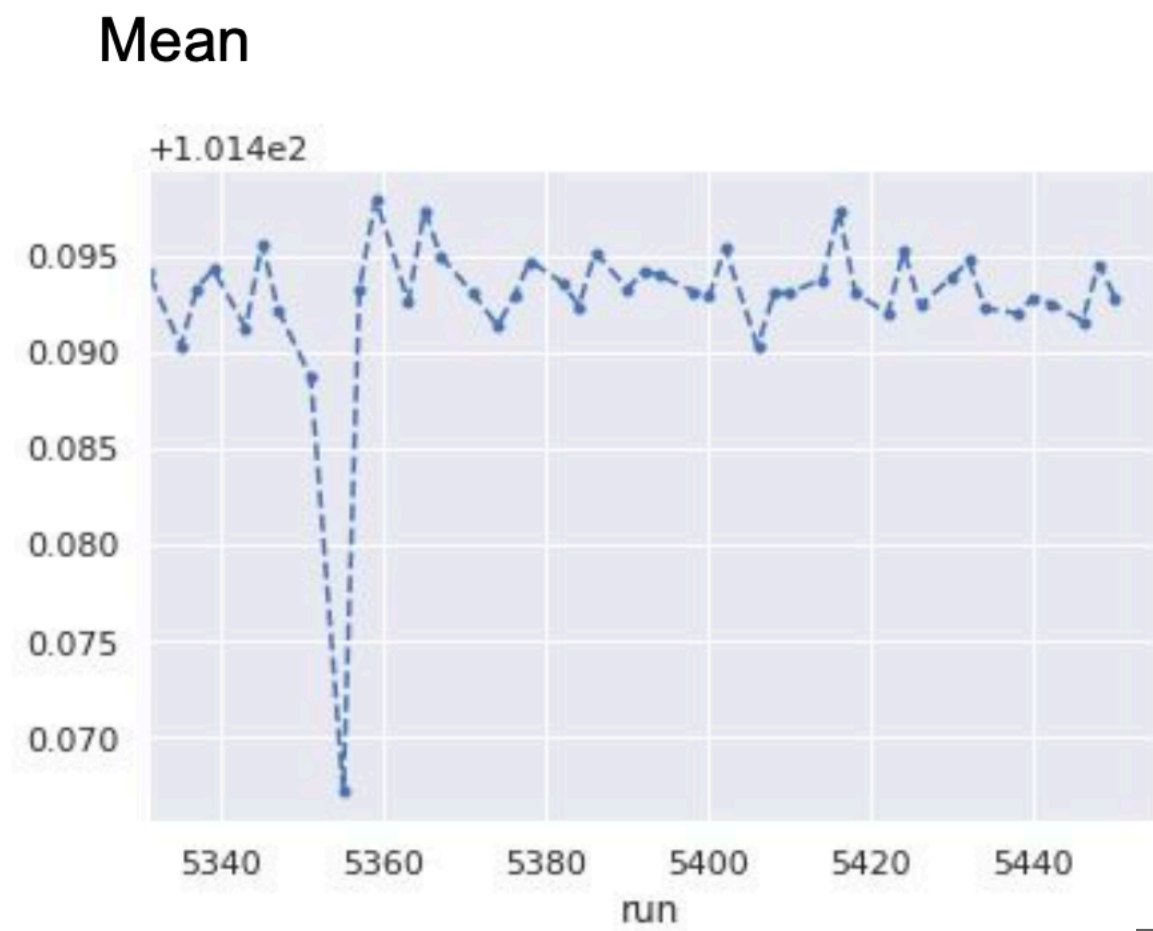


# **Design & Integration update 18/11/2021**

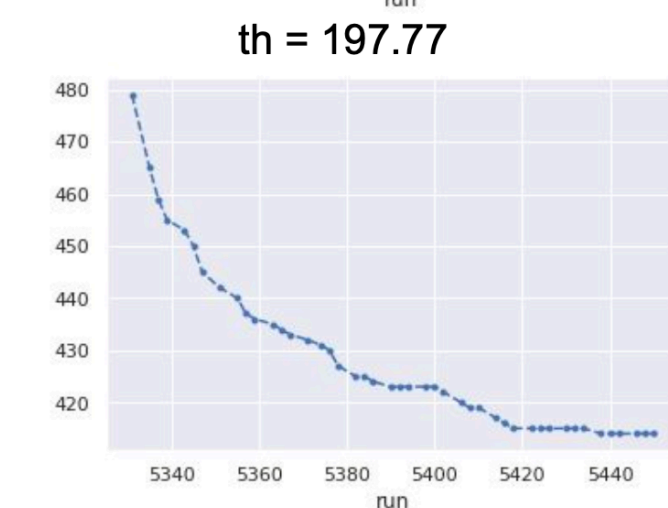
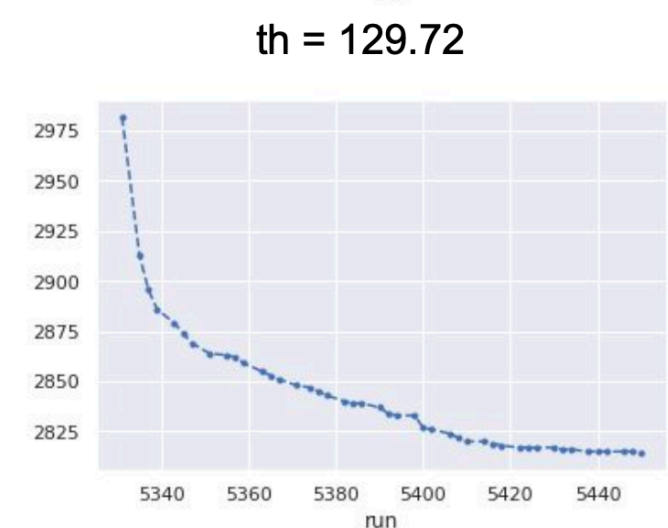
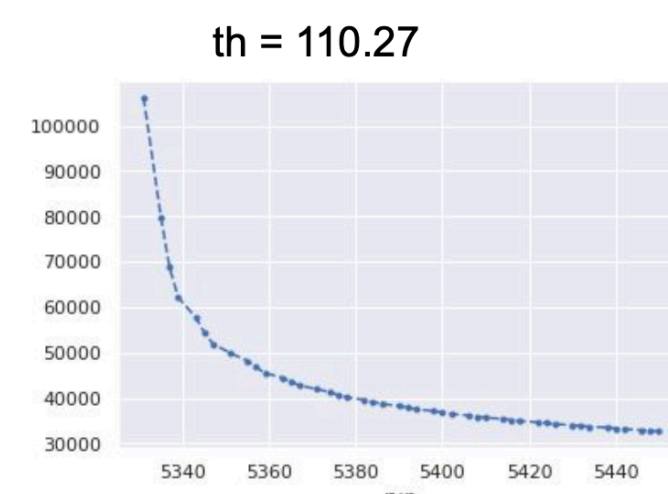
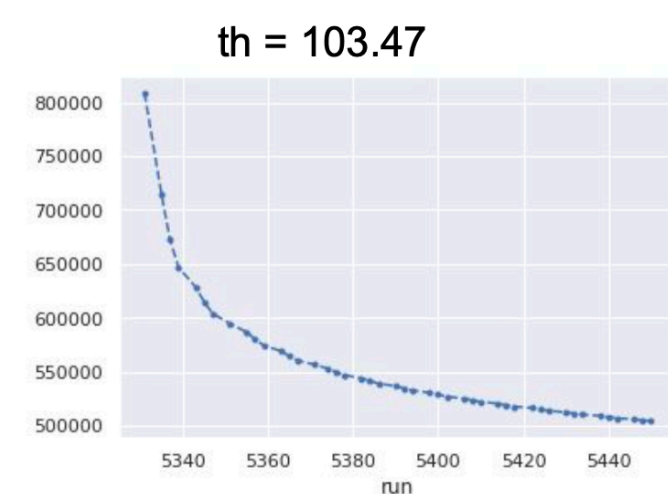
# LNF

- Long Data taking still ongoing with the cameras comparison (Friday or Monday the run will stop definitely)
- Tools for data quality, storage and monitor has been developed and under test (cygno\_repo lib) and continuous integration:
  - Monitor and pushing all data on CLOUD (DAQ and HIS from HoKaWo) after automatic conversion in HROOT
  - Monitor and storage environmental condition (devices are ready to be integrated in DAQ)
  - Data qualification: check quasi online if data are correct
  - Sql service for analysis
- WARNING: what is still missing are: environmental integration in the DAQ, an inclusive Data Format (pic, wfm, slow)

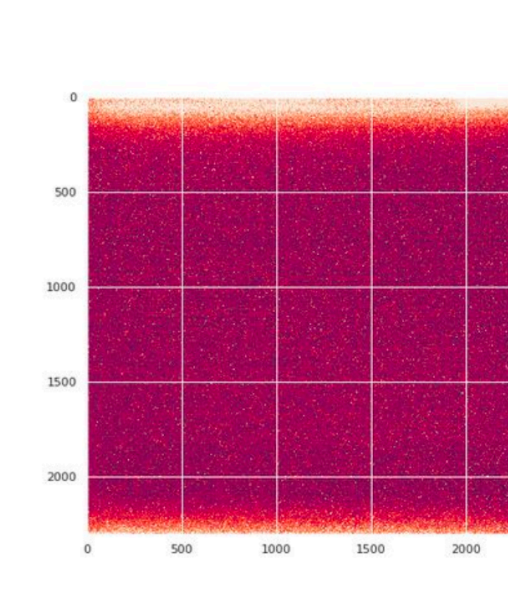
# LNF/ROMA3 (by Rita)



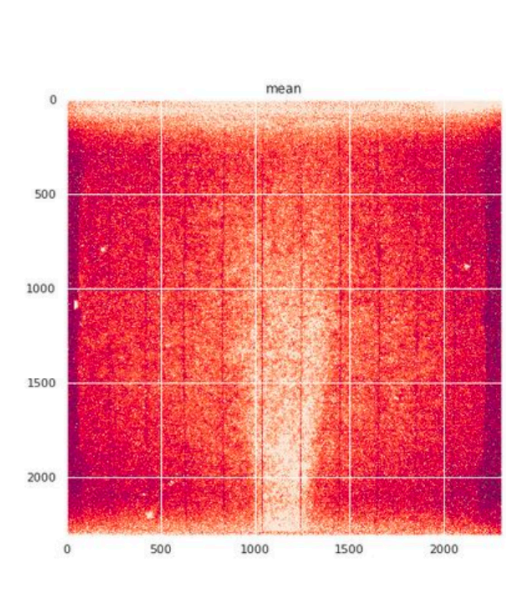
Number of the same pixels which are above the threshold



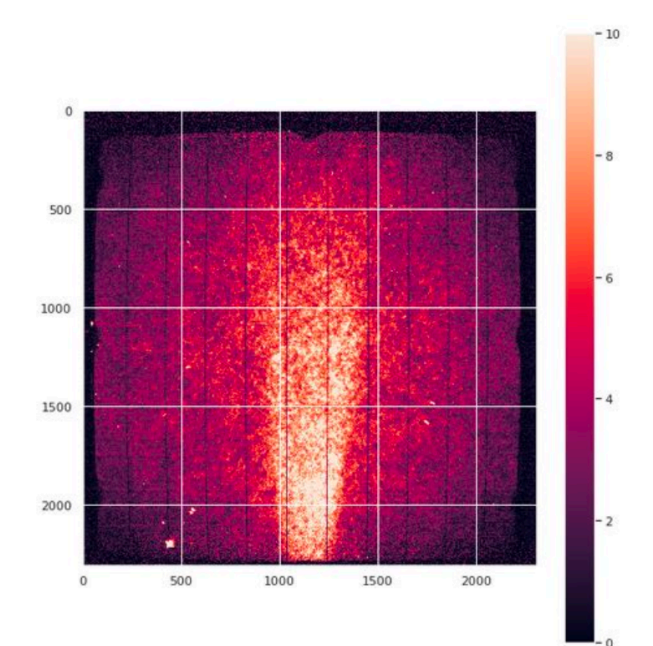
Pedestal (run 5347)



Fe (run 53478)



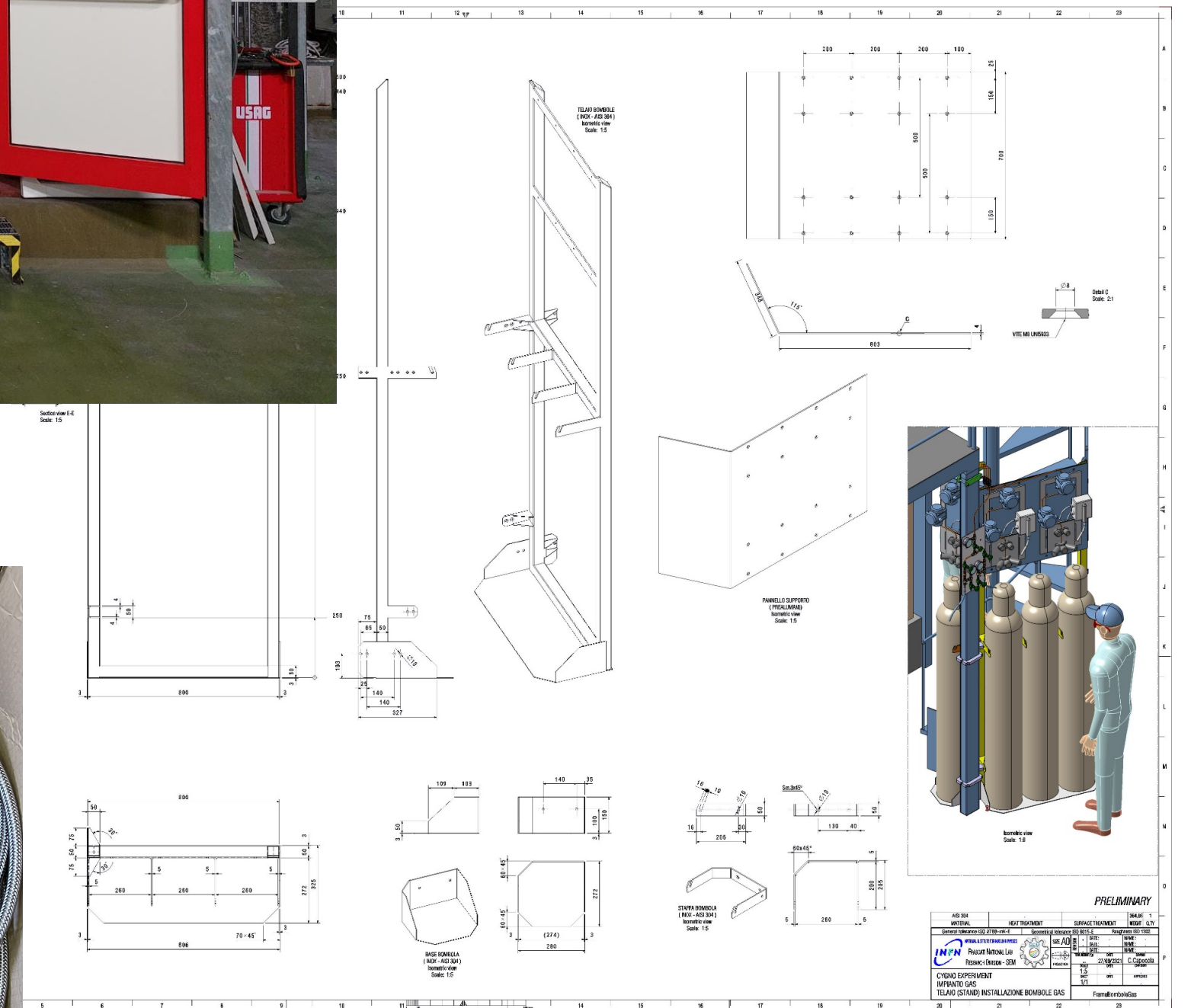
Fe-Pedestal





# LNGS update




- Baracca refurbishing is concluded (apart for the poster)
- Today is ongoing the test for carpentry for gas system made at LNF
- Delay for the delivery of the plugs and electrical panels etc installation in standby
- Air conditioning, fire system, O2 monitor, etc is delayed and we do not have any scheduled time for installation  
—> 2022
- Shipping: 1) Rack, trolley, HV GEM, etc next week  
2) detector, etc to be define...

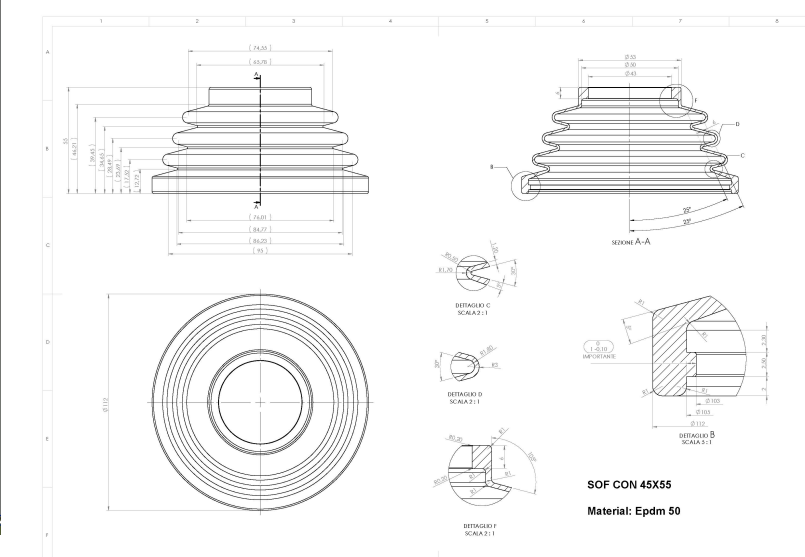
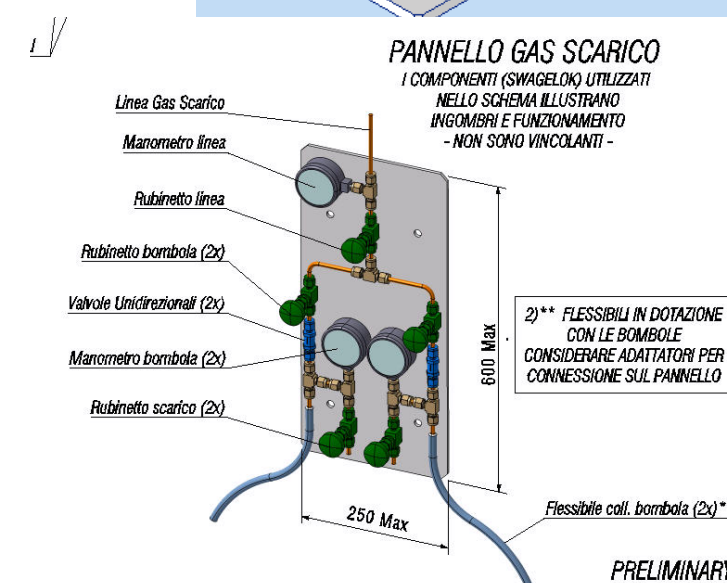
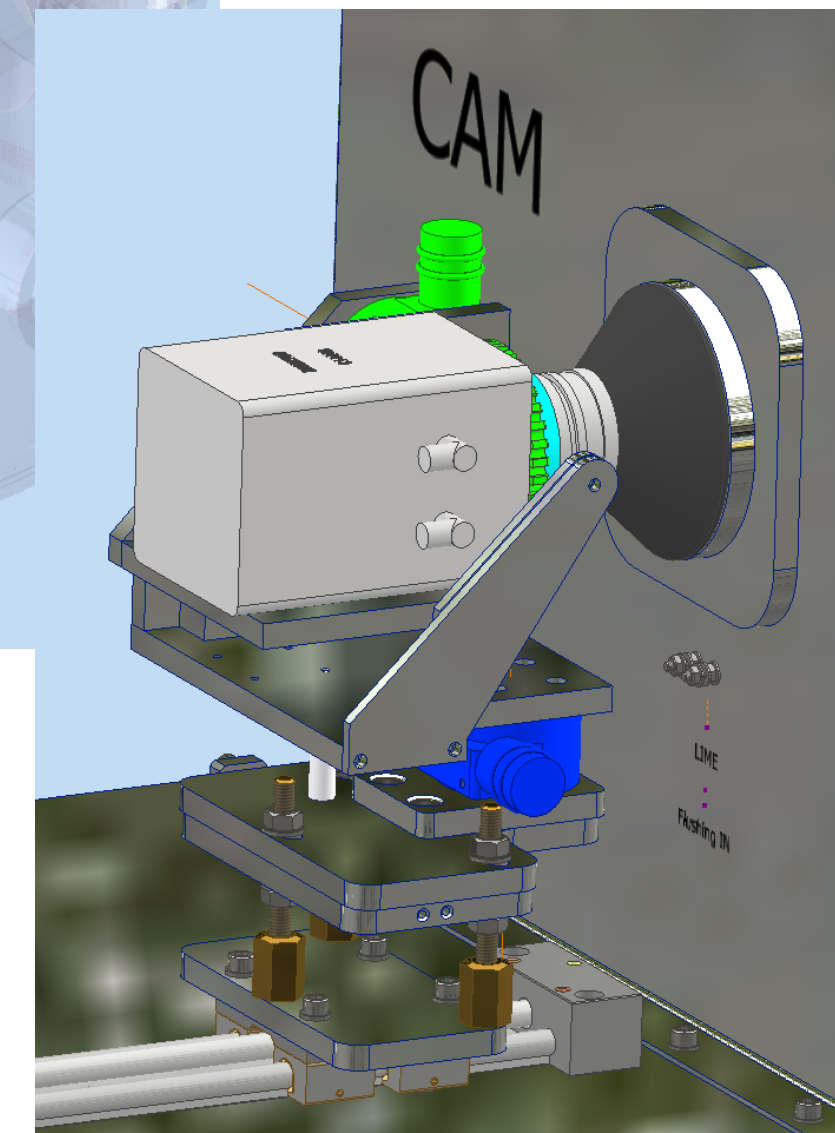
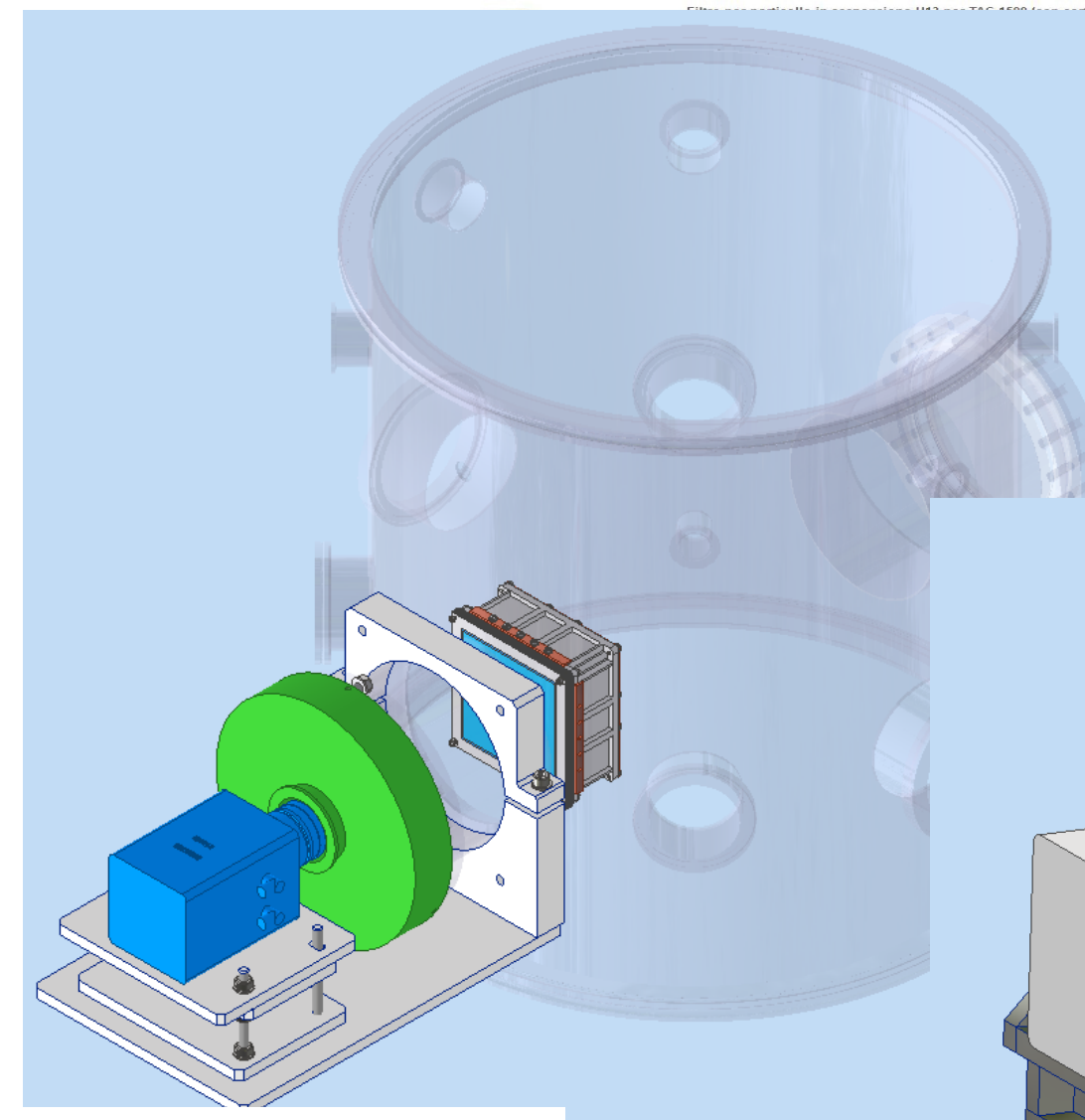




# LNGS purchases...

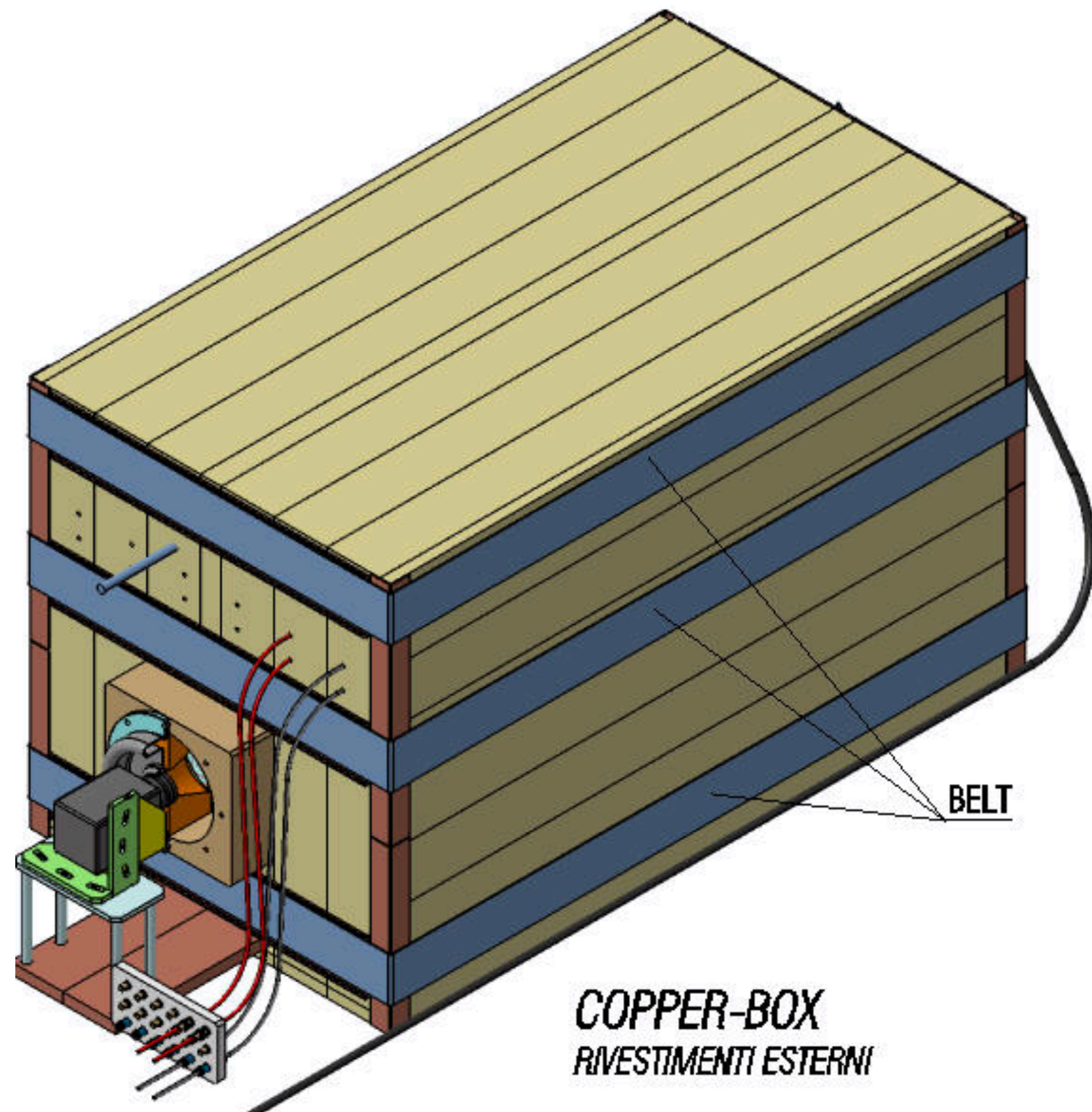
- @GSSI (LIME) we order all the stuff for a “portable” clean room and qualification
- @LNF we complete the purchase for camera holder
- Low pressure setup for LNGS is on design
- Gas disposal service have still to be decide and assign to a company  
—> delayed in 2022
- Gas recovery panel is in standby for the previous reason  
—> delayed in 2022
- LAN/SERVER etc have been purchased

CARRELLO				
Nome prodotto	Prezzo	Qtà	Subtotale	
 Purificatore d'aria TAC 1500 Sku: 150000105	1.335,90 €	1	1.335,90 €	
 Filtro Z-Line G4 per TAC 750 E / TAC 1500 e TTR 800 / 1400 / 2000 / 2800 / 3700 Sku: 718000044	13,42 €	5	67,10 €	
 Cassetta filtrante a micro-particelle F7 per TAC 1500 / TAC 750 E Sku: 718000049	40,26 €	5	201,30 €	
	115,90 €	2	231,80 €	
	45,14 €	1	45,14 €	
	1.396,90 €	1	1.396,90 €	
Subtotale Spedizione Italia				
Totale complessivo (Incluso Iva)			1.396,90 €	





# LNGS (Cu Transportation/bars processing/ washing/packaging and delivery)



- A TIR is needed to transport the 9m bar outside
- Bars have to be cut and machined outside
- Most of the contamination comes from the cuts and material used to do it and oxides → cleaning with citric/nitric acid and minimise the contact with oxygen
- Two solutions: 1) find a company that can do all the process 2) organise the work at LNGS officine by ourselves and with the help of OMNIA
- Bars have to be stored back underground in an appropriate site.
- A documentation with the requests to LNGS for two scenarios is under review