



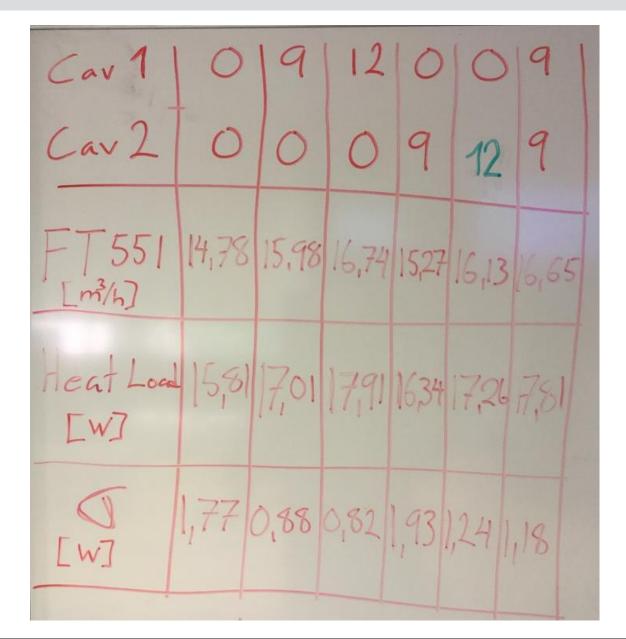
ESS weekly meeting (2022 W39)

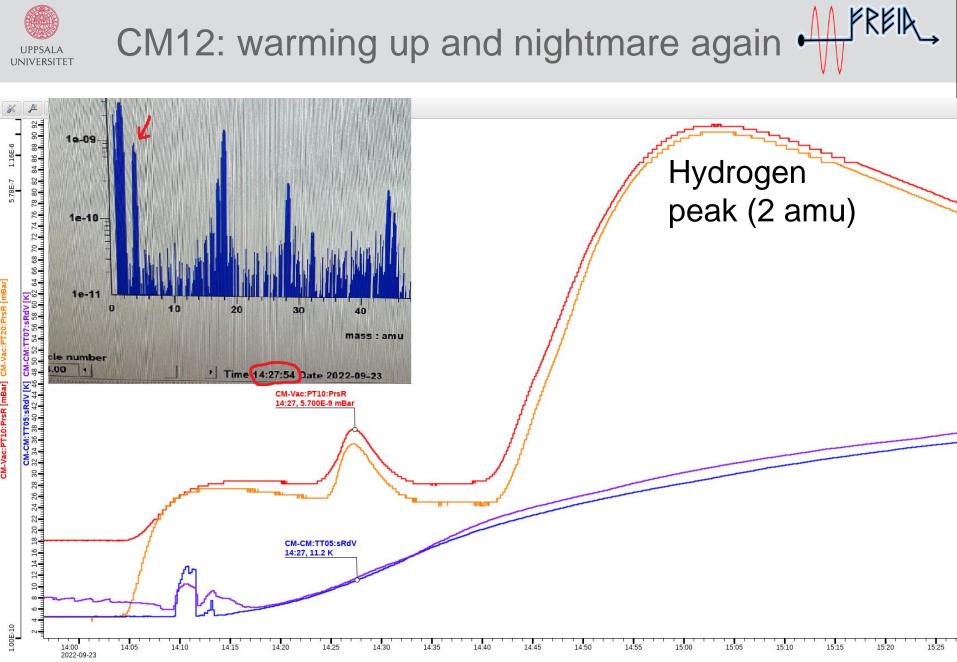
A. Miyazaki et al



CM12: heat load measurement



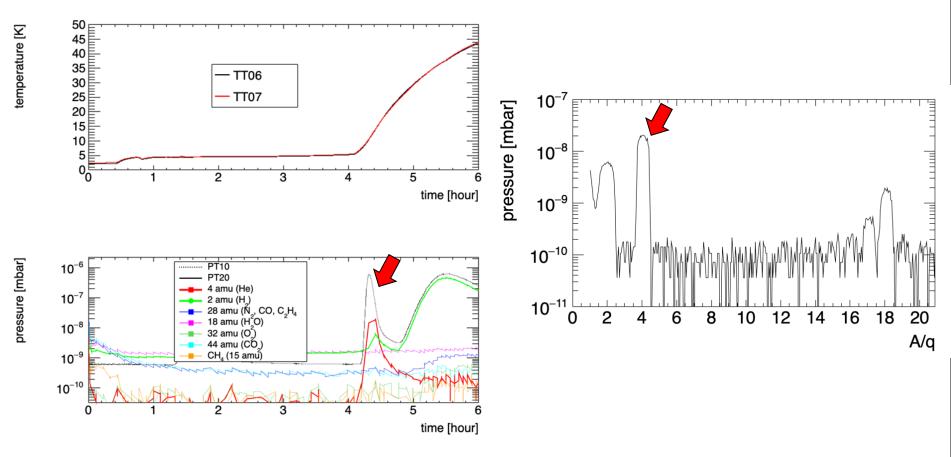






Cf: CM09



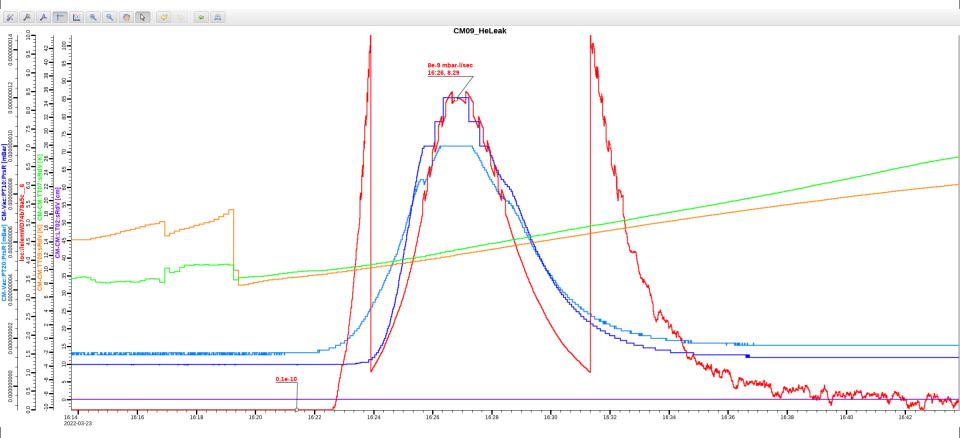


Difference:

-CM09 showed 1e-6 mbar peak in Penning -CM12 showed 6e-9 mbar peak only 2 orders of magnitude smaller signal 4



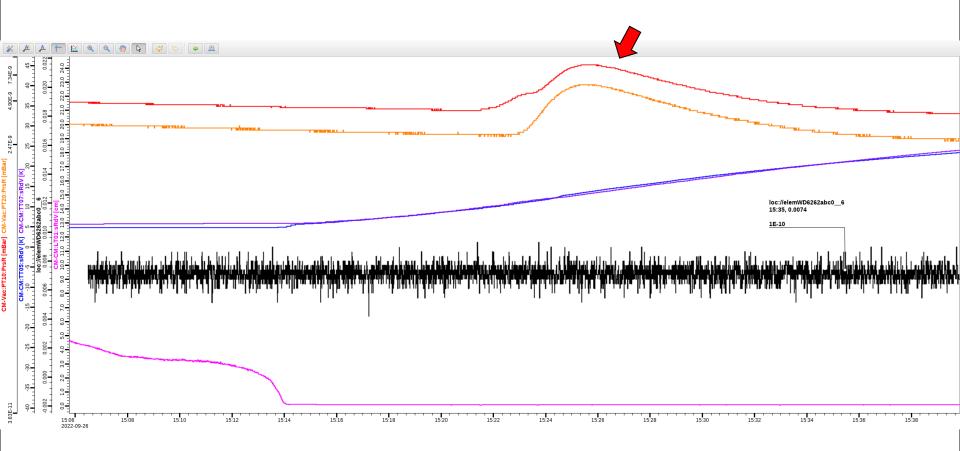




 \rightarrow We did the same for CM12





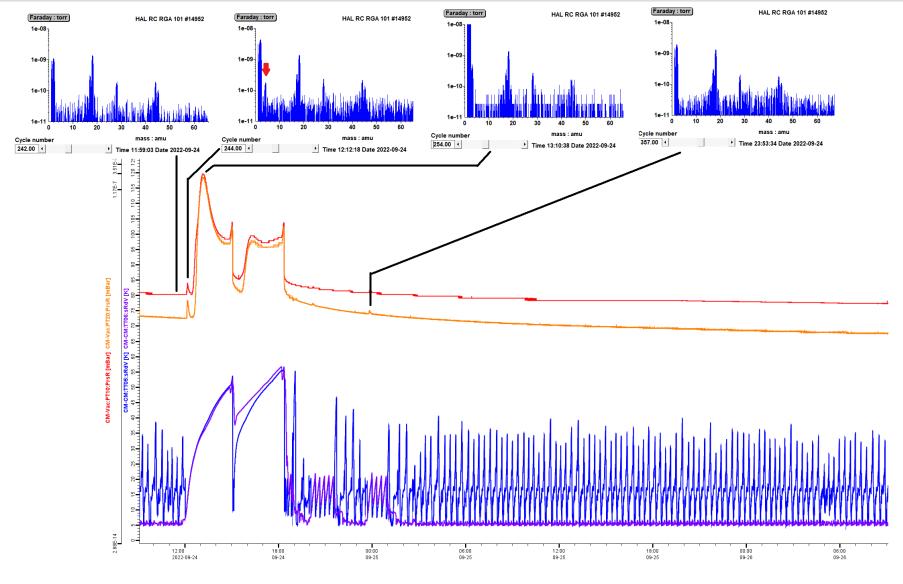


However, doubt in the calibration of our leak detector



CM12: He signal was reproducible





Observed twice (Friday and Saturday) at 11-13 K during warming up





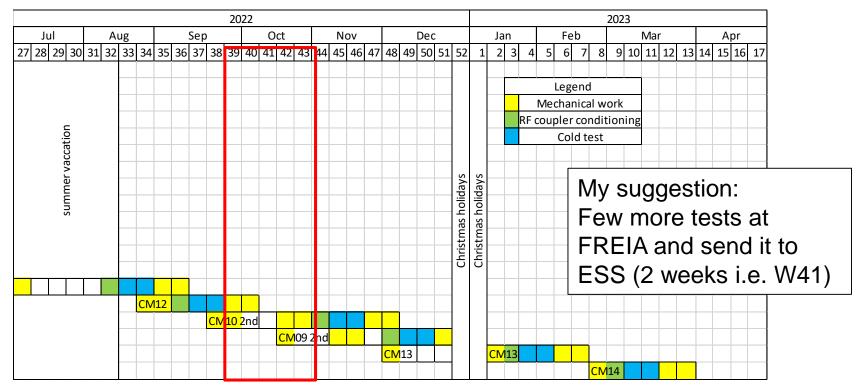
- No signal in RGA' 4 amu by pressurizing the helium circuit up to 1.3 bar both at warm and at cold (> 20K)
- Our infrastructure is not designed to pump GHe when the cryomodule is at cold
 - Pumping GHe at 11K to see disappearance of 4 amu was not possible
- The last thing we can do is to pressurize the SCHe line higher than 1.3 bar



CM12, CM10, CM09 Planning



week		W39											
date		MON		TUE		WED		THU		FRI		SAT	SUN
		26-sep		27-sep		28-sep		29-sep		30-sep		01-okt	02-okt
		m	а	m	а	m	а	m	а	m	а		
present CM		Leak test: RGA sees 4 amu at 13 K but leak detector does not see He		warming up	break insulation vacuum	leak tests up to 1.3 par in Gne			leak test inside the bunker	swap (?) continue leak test inside?			
next CM	СМ10	thermalization		reception tests									



We have some gap due to

- Electrosys preamplifier in Electrosys (min 3 weeks)
- Fixing regulation plunger's sealing Teflon in Linde system (max 2 weeks)