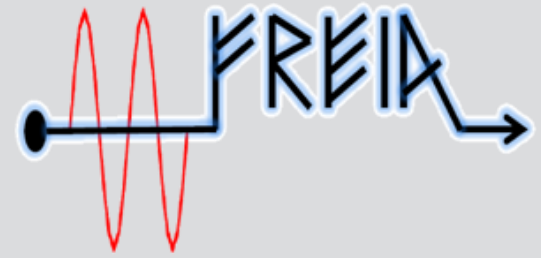




UPPSALA
UNIVERSITET

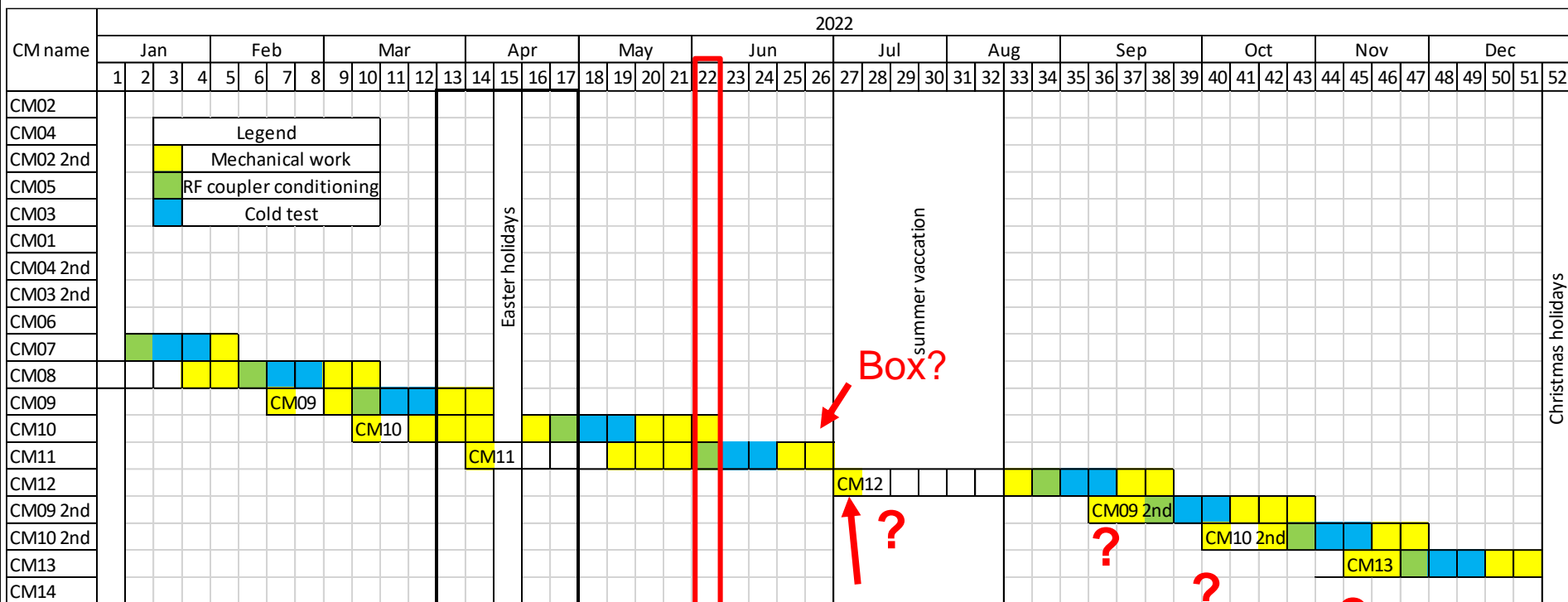


ESS weekly meeting (2022 W22)

A. Miyazaki, et al



Global planning updated



We are here

Last working
week W27

- Arrival of CM12 is delayed due to a leak in thermal screen
 - Disassembly & repair & assembly & leak test again → 1 month (?)
- This may impact CM09's repair at IJCLab (double wall tube ready in July?)
- CM10 is coming to ESS to be repaired (July or September)
- CM13 (and CM14) depends on cavity testing and repairing Kaessor compressor
 - Restarting from July (?)



Weekly progress and planning



week		W21											
date		MON		TUE		WED		THU		FRI		SAT	SUN
		23-maj		24-maj		25-maj		26-maj		27-maj		28-maj	29-maj
		m	a	m	a	m	a	m	a	m	a		
previous CM	CM10	disconnect cryogenic lines	swap modules	N2 filling		out-going test (LEMO)		Ascension Day holidays					
present CM	CM11			cryoline connection		vacuum pump connection							
next CM	CM12	preparation at Orsay											

We are here

week		W22												
date		MON		TUE		WED		THU		FRI		SAT	SUN	
		30-maj		31-maj		01-jun		02-jun		03-jun		04-jun	05-jun	
		m	a	m	a	m	a	m	a	m	a			
previous CM	CM10	out-going test (VNA)		close the transport box		departure to ESS		publish report						
present CM	CM11	RF calibration	coupler warm conditioning			LN2 cooling								
next CM	CM12	preparation at Orsay												

week		W23													
date		MON		TUE		WED		THU		FRI		SAT	SUN		
		06-jun		07-jun		08-jun		09-jun		10-jun		11-jun	12-jun		
		m	a	m	a	m	a	m	a	m	a				
present CM	CM11	National day of Sweden		4K cooling	LHe filling		coupler cold conditioning		2K pumping	RF calibration		CTS test		thermalization	
next CM	CM12			preparation at Orsay											

Preliminary goal of the test

week		W24											
date		MON		TUE		WED		THU		FRI		SAT	SUN
		13-jun		14-jun		15-jun		16-jun		17-jun		18-jun	19-jun
		m	a	m	a	m	a	m	a	m	a		
previous CM	CM11	cavity MP conditioning		heat load measurement				start warming up		beak insulation vacuum		warming up	
next CM	CM12	preparation at Orsay											

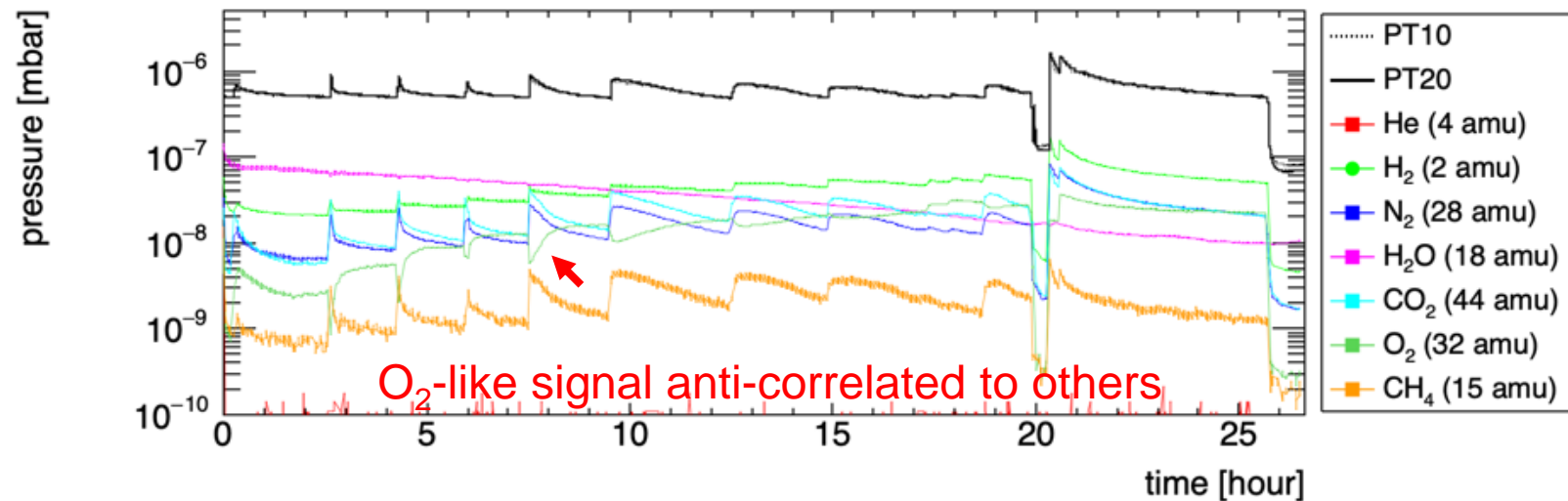
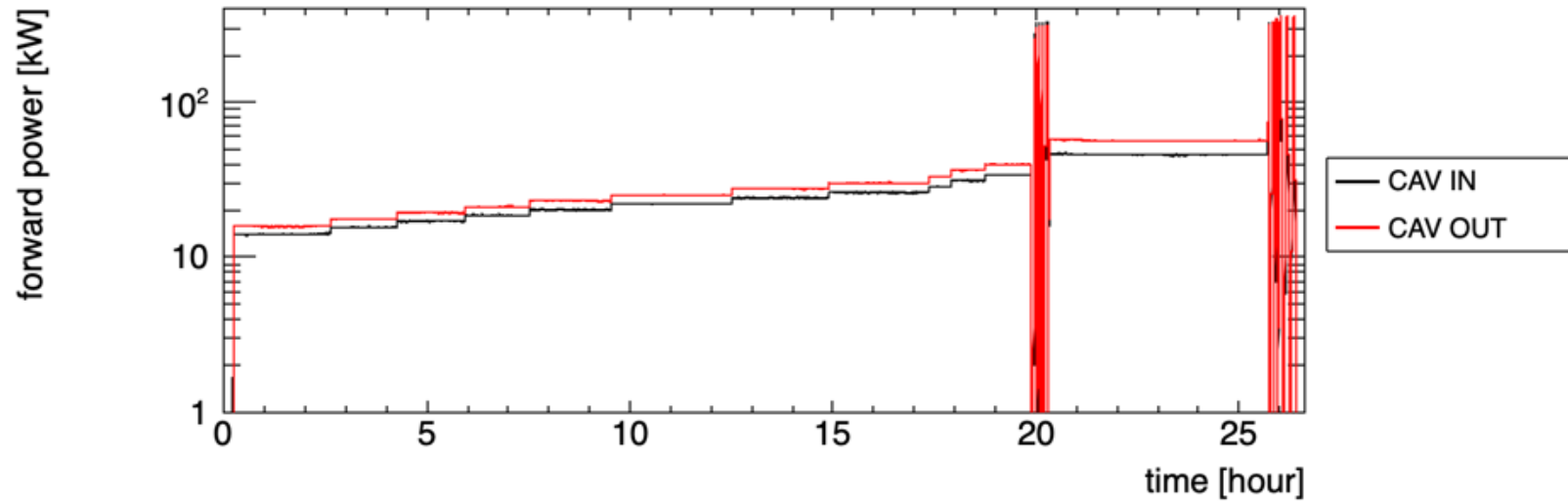
Earliest possible transport of CM11 to ESS: W26 June 27th but we need a box³



CM10: departure to ESS for CTS2 repair



CM11: warm coupler conditioning



Warm coupler conditioning summary



CM	FPC1	FPC2	times	# of stations	# of pumps	Live time [hours]
CM02 1 st	CPL01	CPL04	1 st	2	1	112
CM04 1 st	CPL11	CPL03	1 st	2	1	67
CM02 2 nd	CPL01	CPL04	2 nd	2	2	9
CM05	CPL14	CPL18	1 st	2	2	66
CM03 1 st	CPL06	CPL26	1 st	2	1	109
CM01	CPL10	CPL12	1 st	2	2	90
CM04 2 nd	CPL32	CPL05	1 st	1	2	147
CM03 2 nd	CPL06	CPL26	2 nd	2	2	12
CM06	CPL11	CPL20	1 st	2	2	66
CM07	CPL25	CPL30	1 st	2	2	48
CM08	CPL21	CPL15	1 st	2	2	65
CM09	CPL27	CPL28	1 st	2	2	30
CM10	CPL23	CPL24	1 st	2	2	10 !?
CM11	CPL22	CPL19	1 st	2	2	26

Coupler conditioning with a similar condition became quicker by more than factor 2-3

Different production lot (????) 7