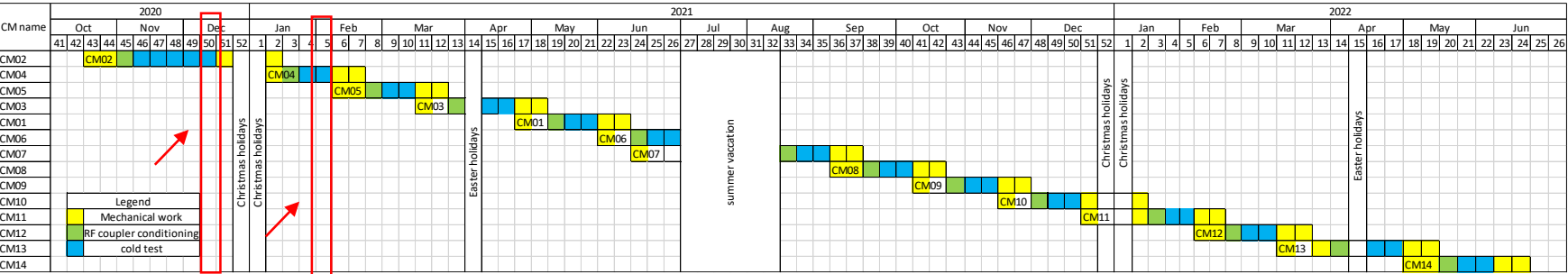


ESS spoke cavity modules at FREIA: Original plan vs adapted plans

Original (2020)

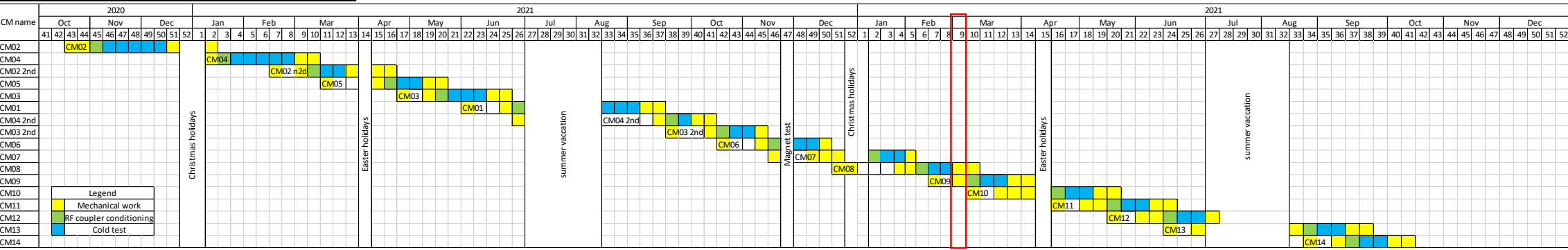


Two major issues were identified in the 1st and 2nd modules:

- Stepper motor stuck
- Vacuum leak in couplers

The cavities have been good

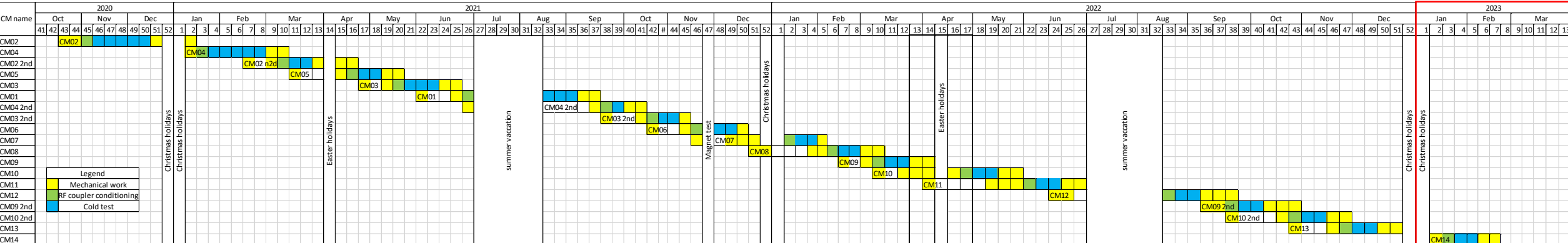
Updated (2021 Dec)



Latest (2022 May)

Delay in production was reported

Required test in 2023



Daily planning until summer vacation 2022

- Departure of CM10 to ESS: **May 30th**
- Arrival of CM12 to FREIA: **June 16th**
- Departure of CM11 to ESS: **June 27th**

- CM10 will be repaired at ESS
- IJCLab will visit ESS to repair CM10 together with LHe gauges in other modules
- IJCLab has only 2 personals working on the modules and they are occupied by CM12 and CM09 in May-June
- The repairing campaign may be in July or September

week			W20											
date		MON		TUE		WED		THU		FRI		SAT	SUN	
		16-maj		17-maj		18-maj		19-maj		20-maj		21-maj	22-maj	
		m	a	m	a	m	a	m	a	m	a			
present CM	CM10	warm up completed	CTS test	discussion							open the bunker disconnect pumps			
next CM	CM11	waiting in the docking area												
next next CM	CM12	preparation at Orsay												
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 line		swap modules	N2 filling	out-going test		Ascension Day holidays						
present CM	CM11				cryoline connection		vacuum pump							
next CM	CM12	preparation at Orsay												
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	departure to ESS		prepare report				publish report						
present CM	CM11	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										
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		
present CM	CM12	transport from Orsay						arrival		reception test				
week			W25											
date		MON		TUE		WED		THU		FRI		SAT	SUN	
		20-jun		21-jun		22-jun		23-jun		24-jun		25-jun	26-jun	
		m	a	m	a	m	a	m	a	m	a			
previous CM	CM11	warming up completed	disconnect cryogenic lines			swap modules	N2 filling	out-going test		midsummer holidays				
present CM	CM12	doorknob mounting					connect vacuum pumps cryogenic lines							
week			W26											
date		MON		TUE		WED		THU		FRI		SAT	SUN	
		27-jun		28-jun		29-jun		30-jun		01-jul		02-jul	03-jul	
		m	a	m	a	m	a	m	a	m	a			
previous CM	CM11	departure to ESS		prepare report				publish report						
present CM	CM12	vacuum pumping								close angle valve				