

ESS weekly meeting (2024 W24)

FREIA team



Global planning



																		202	4											
Dec					Jan				Feb			March			April			May				June								
48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
										Leg	end																			
												al w	ork																	
								RF coupler conditionin Cold test					8																	
											14 6	-																		
																										W	e a	ıre	he	re
		-		<u></u>																										
				CN	14																							V		
																								CM	02 3	rd				



Local planning



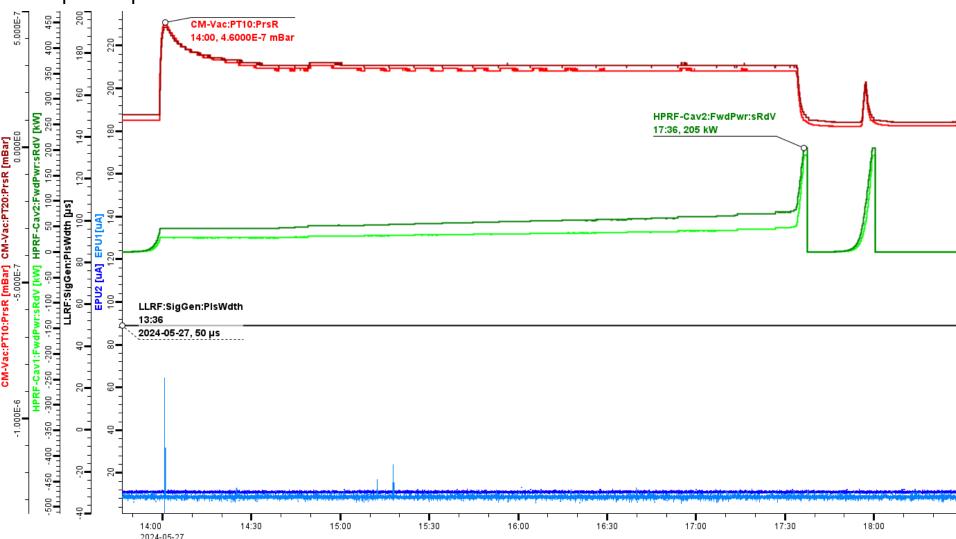
week		W22														
		MO	ON	TUE		V	VED .	TH	U	FRI	SAT	SUN				
date		27-1	Vlay	28-May		29-	-May	30-N	1ay	31-Ma	1-Jun	2-Jun				
		m	а	m	a	m	а	m	а	m	а					
СМ	CM02			Coupler con	ditioning											
we	ek						W23									
		MC	ON	TUE		V	VED .	TH	U	FRI	SAT	SUN				
da	te	3-J	un	4-Jun		5-	Jun	6-Jı	ın	7-Jur	8-Jun	9-Jun				
		m	a	m	a	m	а	m	а	m	а					
СМ	CM02			LN2 coolir	ng				Thermalizatio	on						
										We are	here					
we	ek															
		MC	ON	TUE		V	VED	TH	U	FRI	SAT	SUN				
da	te	10	Jun	11-Jun		12	-Jun	13-J	un	14-Ju	15-Jun	16-Jun				
		m	a	m	a	m	а	m	а	m	а					
СМ	CM02	LHe cooling	g, 4K filling	Cold coupler conditioning	Pumping to 2K	CTS test, RF calibration	MP conditioning	MP conditioning, Heat load		measurements From 2 K to 4K, warm up		Warm	ing up			
week							W25									
		MC	ON	TUE		V	VED .	TH	U	FRI	SAT	SUN				
da	te	17	Jun	18-Jun		19	-Jun	2 0-J	un	21-Ju	22-Jun	23-Jun				
		m a		m	а	m	а	m a		m a						
СМ	CM02		Start to d	isconnect CM (cryo	, vacuum բ	oarts, couplers)		Move CM to doorknobs di		Holida						
we	ek															
date		MO	ON	TUE		V	VED .	TH	U	FRI	SAT	SUN				
		24	Jun	2 3 -J 2 n ?		26	-Jun	27-Jun		28-Ju	n	29-Jun	30-Jun			
		m	а	m	a	m	а	m	а	m	a					
СМ	CM02	Outgoing test	t, packageing	Departure Publi repo									3			
1		_														



CM02 3rd: Warm FPC conditioning



3 attempts for 50us, 50us - 500us and 500us to 3200us with maximum forward power 200kW. We didn't see any significant activity by EPUs. We observed some short spikes from coupler1 up to 60uA without arcs.

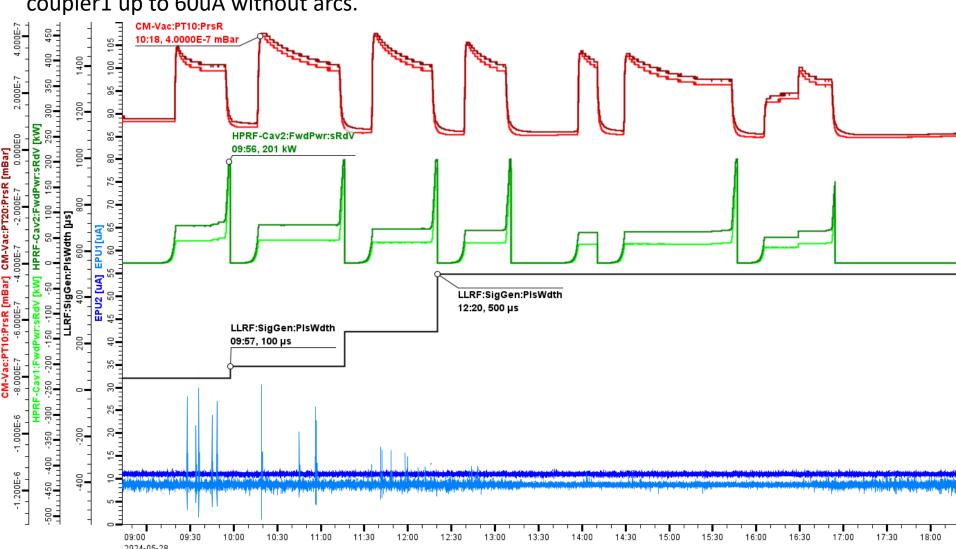




CM02 3rd: Warm FPC conditioning



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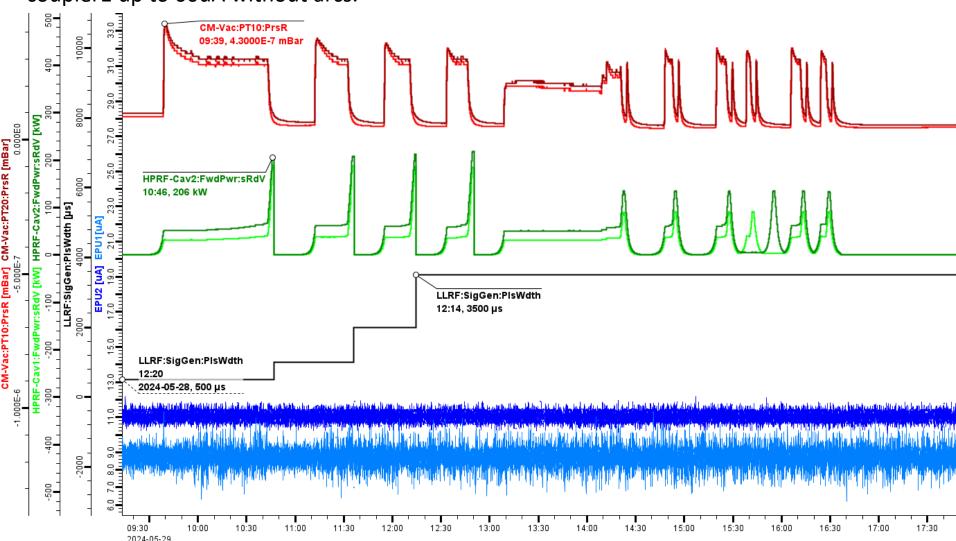




CM02 3rd: Warm FPC conditioning



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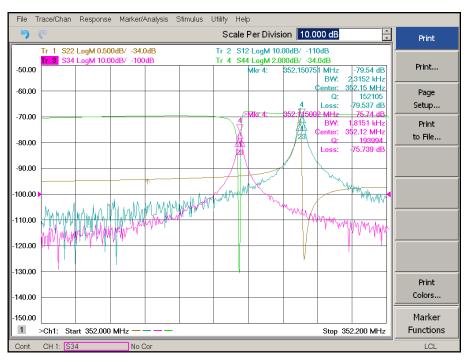


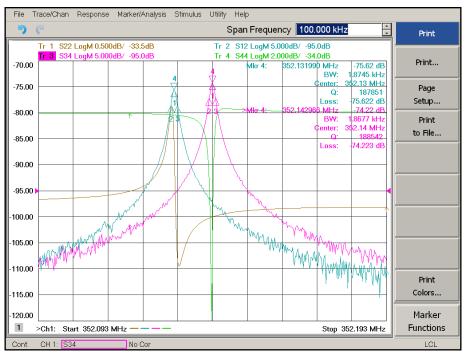
CM02 3rd: Cavities at cold



4K

2K





Cav1: 352.151MHz

Cav2: 352.115MHz

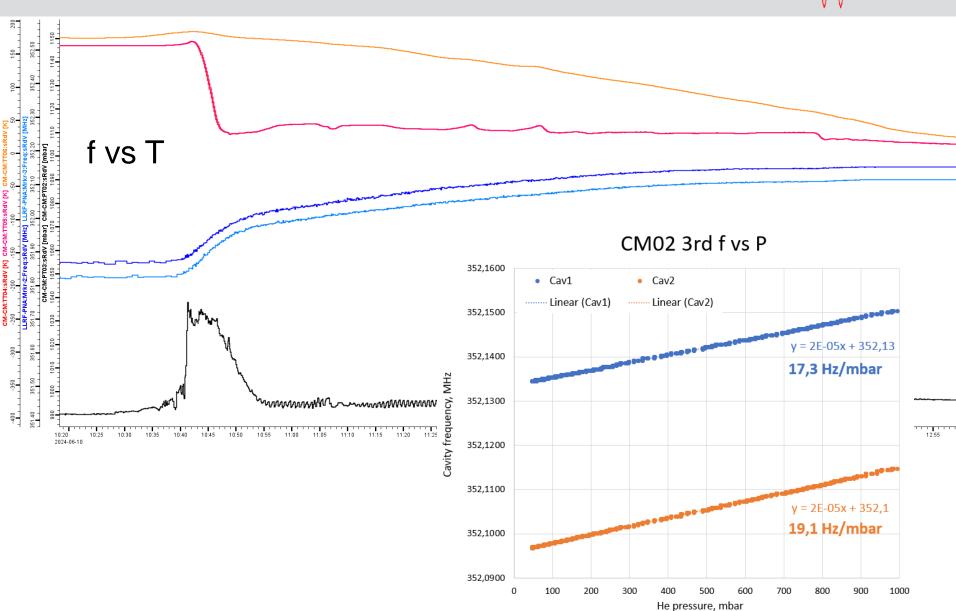
Cav1: 352.132MHz

Cav2: 352.143MHz



CM02 3rd: Cooldown



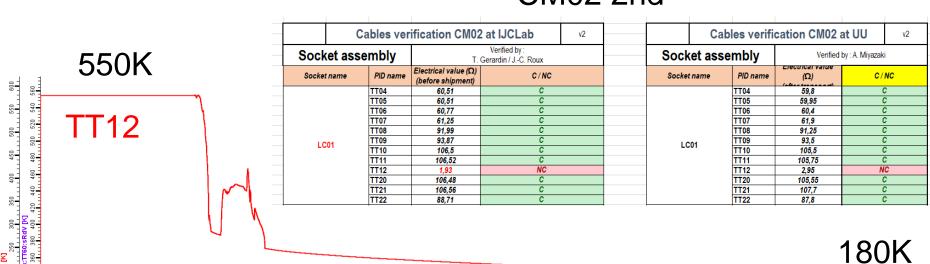


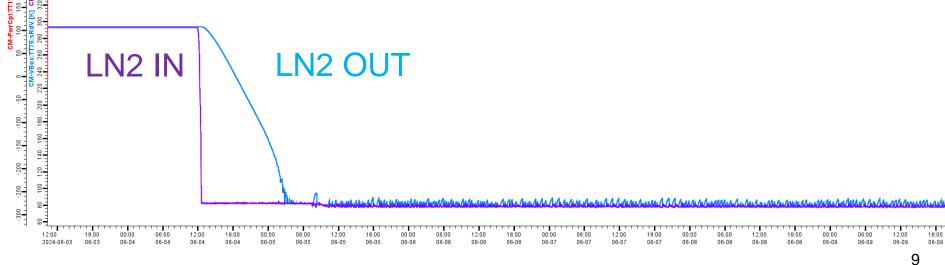


CM02 3rd: TT12 Resurrection



CM02 2nd

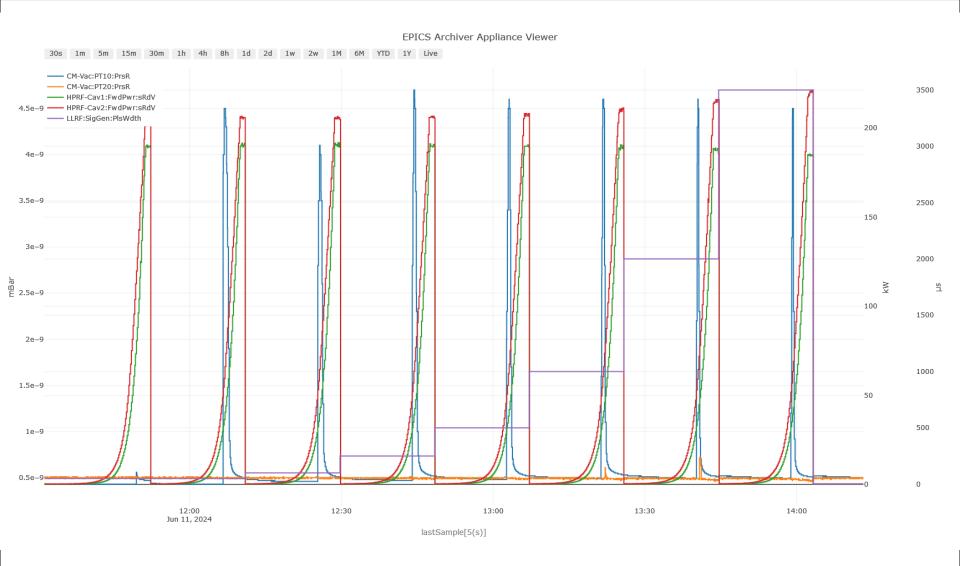






CM02 3rd: Cold FPC conditioning

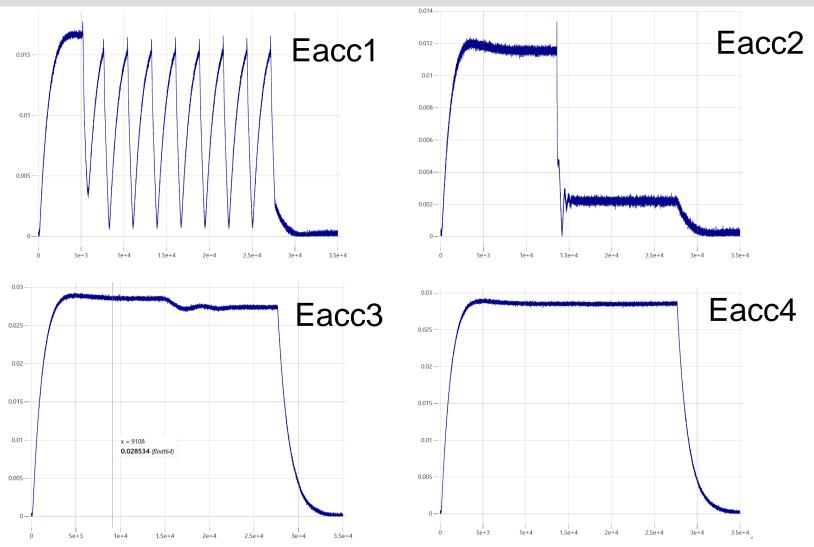






CM02 3rd: Low field MP (<1MV/m)



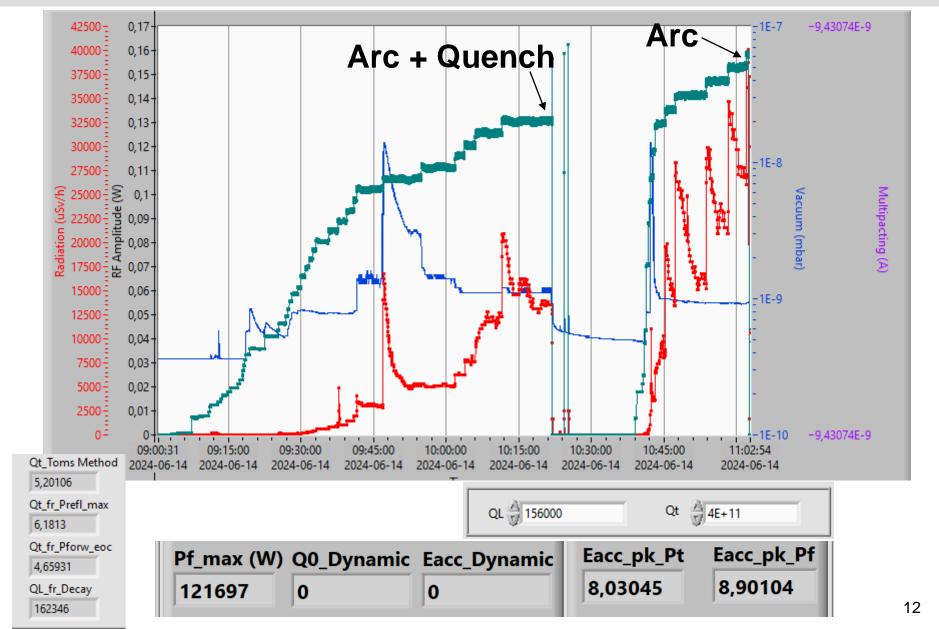


Eacc1<Eacc2<Eacc3<Eacc4



CM02 3rd: Cav1 conditioning

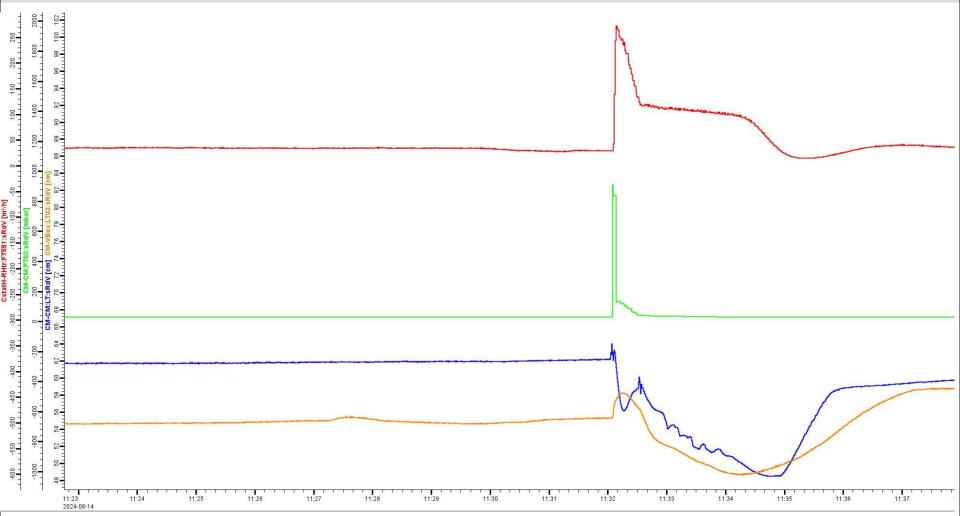






CM02 3rd: Cav1 Quench







CM02 3rd: Cav2 conditioning



