Master Schedule

& Planning in the coming weeks

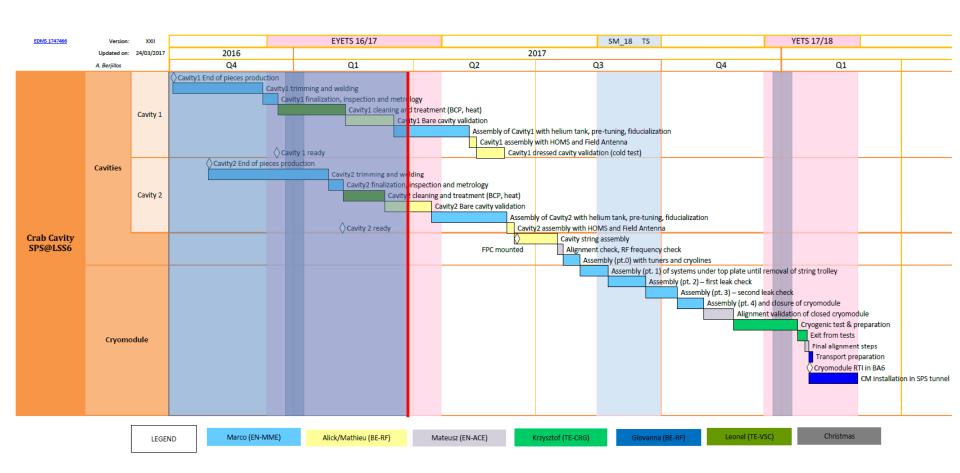
Crab Cavities Technical Coordination
Meeting #XXIII

INDICO: 625896 EDMS: 17474666 WP4-SHAREPOINT

By Aurelio Berjillos 27/03/2017



Master Schedule revXXII



CM delivered in BA6 on 22nd Jan'18

Previous version was on 2nd Feb

A. Berjillos EN-ACE-OSS



Changes from the previous version:

- ➤ Renaming of tasks in the main blocks "Assembly of C1/2 with helium tank, pre-tuning, fiducialization" (UI: 41,120)
- Added one constraint in C2: Welding of helium tank (UI: 251)
- > Added "Pressure" in the task: Leak test (UI: 261,321,372)
- Deleted the task: HPWR in both cavities (UI: 206,255)
- Modified the duration of: Assembly of cavity with HOMs &
 F. Antenna (UI:205,256). 3 days/cavity
- ➤ Modified the duration of: Mount FPCs (UI:324) 3 days instead of 2
- Updated the name of HOMs & Field Antenna in the MS according to E. Montesinos



Planning from wk. 11 to 19



274	₄ Cavity 1	167 days	03/10/16	06/06/17	
33	Cavity1 Bare cavity validation	26 days	08/02/17	15/03/17	Alick (BE-RF)
186	Warmup	5 days	07/03/17	13/03/17	Alick
185	Removal of test antenna and preparation for transport	1 day	14/03/17	14/03/17	Alick
133	Transport activity	1 day	15/03/17	15/03/17	
41	 Assembly of Cavity1 with helium tank, pre-tuning, fiducialization 	38 days	16/03/17	10/05/17	Marco (EN-MME)
320	Alternative tuning, RF frequency	1 day	16/03/17	16/03/17	Rama
199	Metrology of cavity	1 day	17/03/17	17/03/17	Marco
200	Preparation and machining adaptation parts	7 days	20/03/17	28/03/17	Marco
201	Assembly of cavity with tank and magnetic shield	4 days	29/03/17	03/04/17	Marco
202	RF frequency	0 days	03/04/17	03/04/17	Rama
203	Welding of helium tank	20 days	04/04/17	03/05/17	Marco
196	Coarse tuning, RF frequency	1 day	04/05/17	04/05/17	Rama
197	Metrology and tank fiducialisation	1 day	05/05/17	05/05/17	Marco, Mateusz
393	Leak test	2 days	08/05/17	09/05/17	Marco
134	Transport activity	1 day	10/05/17	10/05/17	
48	Cavity1 assembly with HOMS and Field Antenna	4 days	11/05/17	16/05/17	Alick (BE-RF)

TODAY

Planning from wk. 11 to 19

275	△ Cavity 2	152 days	28/10/16	13/06/17	
119	△ Cavity2 Bare cavity validation	25 days	09/03/17	12/04/17	Alick (BE-RF)
238	HP Water Rinsing	3 days	09/03/17	13/03/17	Alick
239	Assembly bare cavity	1 day	14/03/17	14/03/17	Alick
377	Leak test	1 day	15/03/17	15/03/17	Alick
240	Transfer cavity to insert	1 day	16/03/17	16/03/17	Alick
241	Evacuation & Bakeout	3 days	17/03/17	21/03/17	Alick
242	Cold RF test	10 days	22/03/17	04/04/17	Alick
243	Warmup	4 days	05/04/17	10/04/17	Alick
244	Removal of test antenna and preparation for transport	1 day	11/04/17	11/04/17	Alick
246	Transport activity	1 day	12/04/17	12/04/17	
120	 Assembly of Cavity2 with helium tank, pre-tuning, fiducialization 	38 days	13/04/17	07/06/17	Marco (EN-MME)
347	Alternative tuning, RF frequency	1 day	13/04/17	13/04/17	Rama
247	Metrology of cavity	1 day	18/04/17	18/04/17	Marco
248	Preparation and machining adaptation parts	7 days	19/04/17	27/04/17	Marco
249	Assembly of cavity with tank and magnetic shield	4 days	28/04/17	03/05/17	Marco
250	RF frequency	0 days	03/05/17	03/05/17	Rama
251	Welding of helium tank	20 days	04/05/17	31/05/17	Marco

High Luminosity LHC TODAY

Questions?



Metrology Cavity1 cleaning and treatment (BCP, heat) 28 days 20/12/16 07/02/17 Leonel	EN-MME) arco MME) (TE-VSC) (BE-RF) arco MME) (BE-RF) (BE-RF) EN-MME) EN-MME) arco MME)
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	MME)
78 Assembly (pt. 2) – first leak check 19 days 23/08/17 19/09/17 Marco (
84 Assembly (pt. 3) – second leak check 17 days 20/09/17 12/10/17 Marco (
92 Assembly (pt. 4) and closure of cryomodule 14 days 13/10/17 01/11/17 Marco (
101 Alignment validation of closed cryomodule 16 days 02/11/17 23/11/17 Mateus	•
293 Cryogenic test & preparation 24 days 24/11/17 10/01/18 Kzystof	
309 Exit from tests 5 days 11/01/18 17/01/18 Kzystof	(TE-CRG)
355 Final alignment steps 1 day 17/01/18 18/01/18 Mateus	
111 Transport preparation 2 days 19/01/18 22/01/18 Giovani	•
361 CM Delivered 0 days 22/01/18 22/01/18	•
316 Cryomodule RTI in BA6 0 days 19/01/18 19/01/18 must be	na (BE-RF)
291 CM installation in SPS tunnel 26 days 19/01/18 23/02/18 Giovani	na (BE-RF) ready in

Main Activities Blocks

CM should RTI in BA6 on 19th Jan'18