

Master Schedule

& Planning in the coming weeks

Crab Cavities Technical Coordination
Meeting #XXVI

[INDICO: 636466](#)

[EDMS: 17474666](#)

[WP4-SHAREPOINT](#)

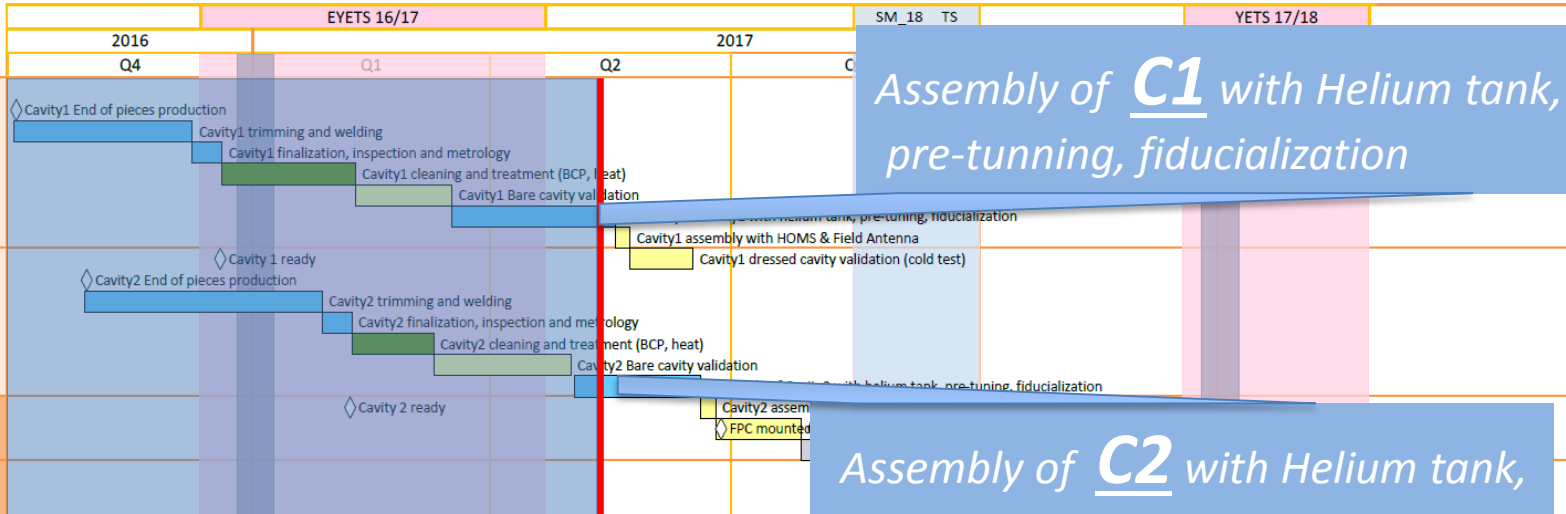
By Aurelio Berjillos

08/05/2017

Master Schedule rev.XXIII

EDMS:1747466

Version: XXV
 Updated on: 02/05/2017
 A. Berjillos



Assembly of **C1** with Helium tank, pre-tuning, fiducialization

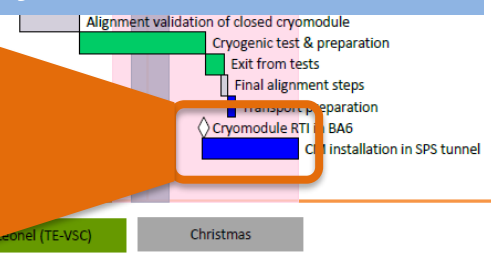
Assembly of **C2** with Helium tank, pre-tuning, fiducialization

Final alignment steps

Transport preparation

◊ Cryomodule RTI in BA6

CM installation in SPS tunnel



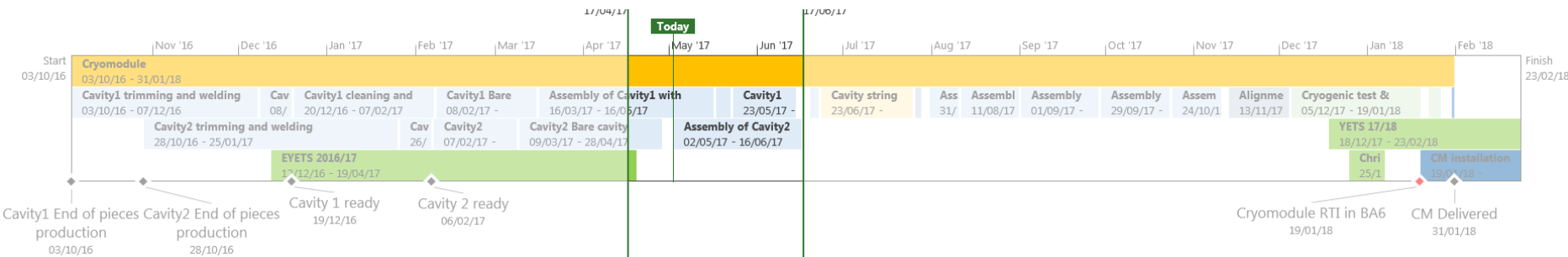
Extra 7 working days

CM delivered in BA6 on 31st Jan'18

Changes from the previous version:

- 1st, 25th May and 5th June included as **no-working days**
- “Assembly of cavity with tank and mag. Shield C1” **7 days** of duration instead of 4 (UI201) , thus C1 with Helium tank... **41 days** instead of 38
- Added a new activity in C2 Bare cavity named “Light BCP+ 2nd cold test” with **10 days** of duration (UI 395) , thus C2 Bare cavity Validation is **35 days** instead of 25
- Activity (UI248) Preparation and machining adaptation parts is reduced from 7 to **5 days**
- Activity (UI251) Welding of helium tank C2 is reduced from 20 to **16 days**

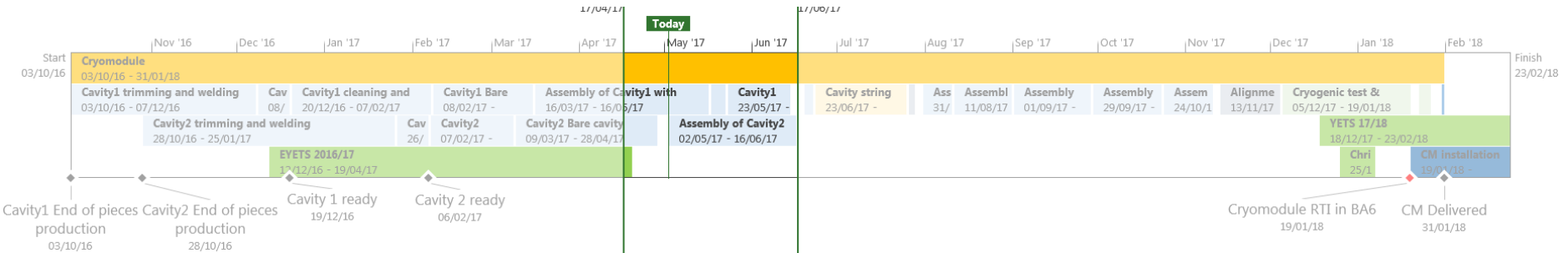
Planning from wk. 16 to 24



274	▲ Cavity 1	170 days	03/10/16	14/06/17	
41	▲ Assembly of Cavity1 with helium tank, pre-tuning, fiducialization	41 days	16/03/17	16/05/17	Marco (EN-MME)
203	Welding of helium tank	20 days	07/04/17	09/05/17	Marco
196	Coarse tuning, RF frequency	1 day	10/05/17	10/05/17	Rama
197	Metrology and tank fiducialisation	1 day	11/05/17	11/05/17	Marco, Mateusz
393	Leak test	2 days	12/05/17	15/05/17	Marco
134	Transport activity	1 day	16/05/17	16/05/17	
48	▲ Cavity1 assembly with HOMS and Field Antenna	4 days	17/05/17	22/05/17	Alick (BE-RF)
205	Assembly of cavities with HOMS and Field Antenna	3 days	17/05/17	19/05/17	Eric
135	Transport activity	1 day	22/05/17	22/05/17	
51	▲ Cavity1 dressed cavity validation (cold test)	15 days	23/05/17	14/06/17	Alick (BE-RF)
321	Leak tests	2 days	23/05/17	24/05/17	Alick
371	Evacuation & Bakeout	2 days	26/05/17	29/05/17	Alick
322	RF cold test	8 days	30/05/17	09/06/17	Alick
323	Warmup	2 days	12/06/17	13/06/17	Alick
207	Preparation for cleanroom	1 day	14/06/17	14/06/17	Alick
136	Transport activity	0 days	14/06/17	14/06/17	

TODAY

Planning from wk. 16 to 24



Unic ID	Task Name	Duration	Start	Finish	Resource Names
275	▾ Cavity 2	156 days	28/10/16	22/06/17	
119	▾ Cavity2 Bare cavity validation	35 days	09/03/17	28/04/17	Alick (BE-RF)
395	Light BCP + cold test2	10 days	05/04/17	20/04/17	Alick
243	Warmup	4 days	21/04/17	26/04/17	Alick
244	Removal of test antenna and preparation for transport	1 day	27/04/17	27/04/17	Alick
246	Transport activity	1 day	28/04/17	28/04/17	
120	▾ Assembly of Cavity2 with helium tank, pre-tuning, fiducialization	32 days	02/05/17	16/06/17	Marco (EN-MME)
347	Alternative tuning, RF frequency	1 day	02/05/17	02/05/17	Rama
247	Metrology of cavity	1 day	03/05/17	03/05/17	Marco
248	Preparation and machining adaptation parts	5 days	04/05/17	10/05/17	Marco
249	Assembly of cavity with tank and magnetic shield	4 days	11/05/17	16/05/17	Marco
250	RF frequency	0 days	16/05/17	16/05/17	Rama
251	Welding of helium tank	16 days	17/05/17	09/06/17	Marco
252	Coarse tuning, RF frequency	1 day	12/06/17	12/06/17	Rama
253	Metrology and tank fiducialisation	1 day	13/06/17	13/06/17	Marco, Mateusz
394	Leak test	2 days	14/06/17	15/06/17	Marco
254	Transport activity	1 day	16/06/17	16/06/17	

TODAY

Uniqui ID	Task Name	Duration	Start	Finish	Resource Names	Text7
273	Cryomodule	324 days	03/10/16	31/01/18		
274	Cavity 1	170 days	03/10/16	14/06/17		
1	Cavity1 End of pieces production	0 days	03/10/16	03/10/16	Marco (EN-MME)	EN-MME
3	Cavity1 trimming and welding	48 days	03/10/16	07/12/16	Marco (EN-MME)	EN-MME
18	Cavity1 finalization, inspection and metrology	8 days	08/12/16	19/12/16	Marco (EN-MME)	EN-MME
24	Cavity1 cleaning and treatment (BCP, heat)	28 days	20/12/16	07/02/17	Leonel (TE-VSC)	EN-MME
33	Cavity1 Bare cavity validation	26 days	08/02/17	15/03/17	Alick (BE-RF)	BE-RF
41	Assembly of Cavity1 with helium tank, pre-tuning, fiducialization	41 days	16/03/17	16/05/17	Marco (EN-MME)	EN-MME
48	Cavity1 assembly with HOMS and Field Antenna	4 days	17/05/17	22/05/17	Alick (BE-RF)	BE-RF
51	Cavity1 dressed cavity validation (cold test)	15 days	23/05/17	14/06/17	Alick (BE-RF)	BE-RF
286	Cavity 1 ready	0 days	19/12/16	19/12/16		
275	Cavity 2	156 days	28/10/16	22/06/17		
115	Cavity2 End of pieces production	0 days	28/10/16	28/10/16	Marco (EN-MME)	EN-MME
116	Cavity2 trimming and welding	55 days	28/10/16	25/01/17	Marco (EN-MME)	EN-MME
117	Cavity2 finalization, inspection and metrology	8 days	26/01/17	06/02/17	Marco (EN-MME)	EN-MME
118	Cavity2 cleaning and treatment (BCP, heat)	22 days	07/02/17	08/03/17	Marco (EN-MME)	EN-MME
119	Cavity2 Bare cavity validation	35 days	09/03/17	28/04/17	Alick (BE-RF)	BE-RF
120	Assembly of Cavity2 with helium tank, pre-tuning, fiducialization	32 days	02/05/17	16/06/17	Marco (EN-MME)	EN-MME
121	Cavity2 assembly with HOMS and Field Antenna	4 days	19/06/17	22/06/17	Alick (BE-RF)	BE-RF
256	Assembly of cavities with HOMS and Field Antenna	3 days	19/06/17	21/06/17	Eric	
258	Transport activity	1 day	22/06/17	22/06/17		
284	Cavity 2 ready	0 days	06/02/17	06/02/17		
52	Cavity string assembly	23 days	23/06/17	25/07/17	Mathieu (BE-RF)	BE-RF
392	FPC mounted	0 days	26/06/17	26/06/17		
62	Alignment check, RF frequency check	3 days	26/07/17	28/07/17	Mateusz (EN-ACE)	EN-ACE
362	Cryostating	74 days	31/07/17	10/11/17		
64	Assembly (pt.0) with tuners and cryolines	9 days	31/07/17	10/08/17	Marco (EN-MME)	EN-MME
68	Assembly (pt. 1) of systems under top plate until removal of string trolley	15 days	11/08/17	31/08/17	Marco (EN-MME)	EN-MME
78	Assembly (pt. 2) – first leak check	19 days	01/09/17	28/09/17	Marco (EN-MME)	EN-MME
84	Assembly (pt. 3) – second leak check	17 days	29/09/17	23/10/17	Marco (EN-MME)	EN-MME
92	Assembly (pt. 4) and closure of cryomodule	14 days	24/10/17	10/11/17	Marco (EN-MME)	EN-MME
101	Alignment validation of closed cryomodule	16 days	13/11/17	04/12/17	Mateusz (EN-ACE)	EN-ACE
293	Cryogenic test & preparation	24 days	05/12/17	19/01/18	Kzstof (TE-CRG)	TE-CRG
309	Exit from tests	5 days	22/01/18	26/01/18	Kzstof (TE-CRG)	TE-CRG
355	Final alignment steps	1 day	26/01/18	29/01/18	Mateusz (EN-ACE)	EN-ACE
111	Transport preparation	2 days	30/01/18	31/01/18	Giovanna (BE-RF)	BE-RF
361	CM Delivered	0 days	31/01/18	31/01/18		
316	Cryomodule RTI in BA6	0 days	19/01/18	19/01/18	must be ready in	
291	CM installation in SPS tunnel	26 days	19/01/18	23/02/18	Giovanna (BE-RF)	BE-RF

Main Activities Blocks

CM should RTI in BA6 on 19th Jan'18

Please check the key-date in the pdf file if you don't use the MS project

Thank You for listening.

Q's ?

