



# rMPP meeting – MD3 approval

29.08.2017

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# Schedule

	Apr			May				June								
Wk	14	15	16	17	18	19	20	21	22	23	24	25	26			
Mo	3	10	Easter Mon	17	24	1st May	1	8	15	22	29	Whit	5	12	19	26
Tu																
We																
Th																
Fr		G. Friday														
Sa																MD 1
Su																

LHC to OP (Apr 15), 1<sup>st</sup> stable beams (May 21), Machine checkout (Apr 17), Recommissioning with beam (May 18-20), Ascension (May 22), Interleaved commissioning and intensity ramp-up (May 21-22), MD 1 (Jun 26)

	July			Aug				Sep					
Wk	27	28	29	30	31	32	33	34	35	36	37	38	39
Mo	3	10	17	24	31	7	14	21	28	4	11	18	25
Tu				MD 2								TS2	
We	TS1			VdM run									
Th										Jeune G			
Fr											MD 3		
Sa													
Su													

MD 2 (Jul 30), TS1 (Jul 27), VdM run (Jul 30), Jeune G (Sep 10), MD 3 (Sep 11), TS2 (Sep 18), Red star (Sep 28)

	Oct			Nov				Dec						
Wk	40	41	42	43	44	45	46	47	48	49	50	51	52	
Mo	2	9	16	23	30	6	13	20	27	4	11	18	Xmas	25
Tu														
We				MD 4										
Th														
Fr														
Sa														
Su														

Special physic run (Dec 4-9), End of run [06:00] (Dec 11), MD 4 (Oct 43), Technical stop (YETS) (Dec 11-18), Xmas (Dec 25)

# Program of MD3 block

8b4e block with high pile-up run

Wed 13/9	Thu 14/9	Fri 15/9	Sat 16/9	Sun 17/9	Mon 18/9
	23:00 - 05:00 MD2162 (ded): Dynamic aperture at 6.5TeV	00:00 - 08:00 MD2479 (ded): Transverse Beam Stability in the HL-LHC era	21:00 - 04:00 MD2490 (ded): Measurement of the TMCI Threshold at Flat-Top	19:00 - 02:00 MD2048 (ded): <u>Longitudinal coupled-</u> Recovery	23:00 - 06:00 MD2191 (ded): Beta*- reach: IR7 Collimation Hierarchy Limit and Impedance
03:00 - 07:00 MD2397 (ded): High pileup test	05:00 - 07:00 Recovery		04:00 - 06:00 Recovery	02:00 - 04:00 Recovery	
07:00 - 11:00 MD2206 (ded): Beam losses throughout the cycle with 50ns and 8b+4e beams	07:00 - 10:00 MD2408 (ded): Study of Shootky for Q' measurement at	08:00 - 10:00 Recovery	06:00 - 09:00 MD2185 (ded): Effect of MQXF quench heater firing on beam	04:00 - 12:00 MD2202 (ded): LR beam-beam compensation	06:00 - Recovery
11:00 - 17:00 MD2484 (ded): Electron cloud studies 8b+4e beams	10:00 - 18:00 MD2410 (ded): Beta* leveling in ATS telescopic mode	10:00 - 19:00 MD2269 (ded): Round Telescopic Optics	09:00 - 11:00 Recovery		
			11:00 - 14:00 MD2179 (ded): Scraping	11:00 - 14:00 MD2396 (ded): Aperture	
			14:00 - Recovery	12:00 - 18:00 MD2201 (ded): LR beam-beam 2017	
17:00 - 21:00 MD2209 (ded): Crossing angle and Tune scan with 50 ns Beams	18:00 - 22:00 MD2243 (ded): Coronagraph Commissionning at 6.5 TeV	19:00 - 21:00 Recovery	15:00 - 19:00 MD2042 (ded): Persistent injection oscillations	18:00 - 20:00 Recovery	
21:00 - 23:00 Recovery	22:00 - 00:00 Recovery	21:00 - 04:00 MD2490 (ded): Measurement of the TMCI Threshold at Flat-Top	19:00 - 02:00 MD2048 (ded): Longitudinal coupled- bunch instabilities on fundamental cavity impedance	20:00 - 23:00 MD2167 (ded): Effect of	20:00 - 23:00 MD2504 (ded): Test of
23:00 - MD2162 (ded): Dyna				23:00 - MD2191 (ded): Beta	

# Approval Process

- All procedures were received during last week (\\cern.ch\dfs\Users\u\uythoven\Public\LHC MD Procedures\2017\MD3)
- First screening performed by rMPP experts, revealing a number of comments, questions and clarification requests for the the different MDs, see here
  - A few minor corrections and comments will be sent directly to MD requestors
  - 3 MD requests to be presented and approved today