

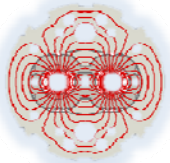


MMM and TEMB - 2 March, 2009

Status Report of Magnet Work Week 09 / 2009

Francesco Bertinelli - TE/MSC

On behalf of - and with several contributions from - surface and IC teams

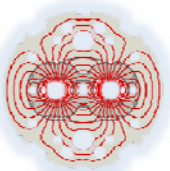


Surface News Week 09/2009

	End activity week 5 - 2009		End activity week 6 - 2009	
	Magnets	Quantity	Magnets	Quantity
Cryostating	2428-3118-SSS221	3	2433-2443-SSS195	3
Cold testing	2427-2739	2	1085-SSS369	2
Stripping	2432-SSS243	2	2739	1
Beam screen integration	2434-2436	2	2399-SSS055	2
Tunnel preparation	2422-2624	2	2342-2399-2434-2436-SSS055	5
Installation (=pose)	2624	1	2434-2436	2
	End activity week 7 - 2009		End activity week 8 - 2009	
	Magnets	Quantity	Magnets	Quantity
Cryostating	2035-2103-2441-SSS225	4	1071-1092-1099-2192-SSS227	5
Cold testing	2421-2429-2440-SSS221	4	2418-2435-2446-3118-SSS195-SSS203	6
Stripping	1085-SSS369	2	2421-2429-SSS221	3
Beam screen integration	2432	1	2739-SSS243	2
Tunnel preparation	2432	1	SSS243	1
Installation (=pose)	2342	1	2432-2399	2
	End activity week 9 - 2009			
	Magnets	Quantity		
Cryostating	2108-SSS208-(2431-2442= spares)	4		
Cold testing	2103-2444-2427-2690-SSS006-SSS225-SSS227	7		
Stripping	2252-2418-2435-2440-SSS195-SSS203	6		
Beam screen integration	2421-2429-SSS369	3		
Tunnel preparation	2422-2739	2		
Installation (=pose)	2422-2739-SSS055-SSS243	4		

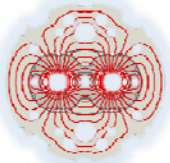


Courtesy A. Russo

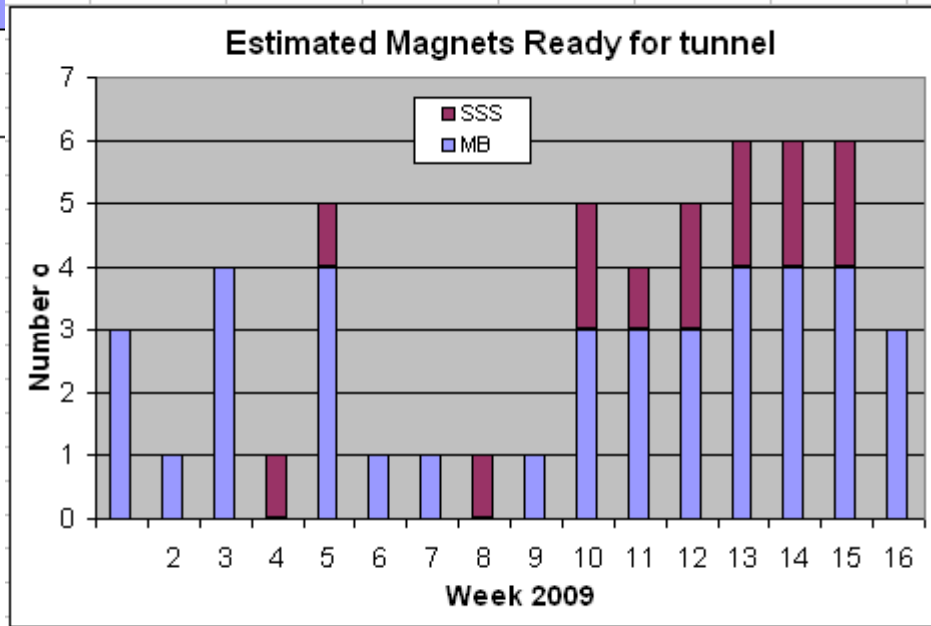
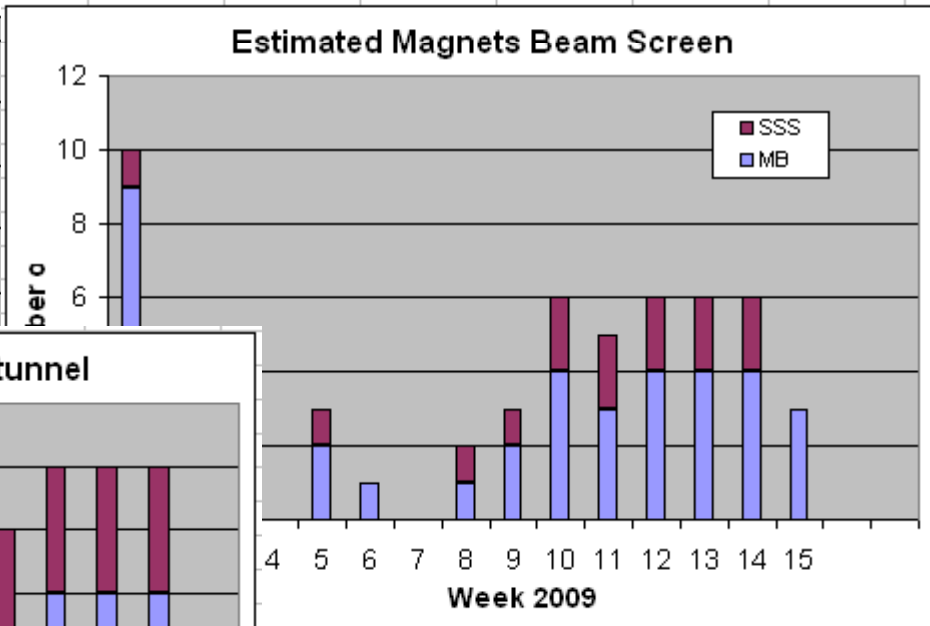
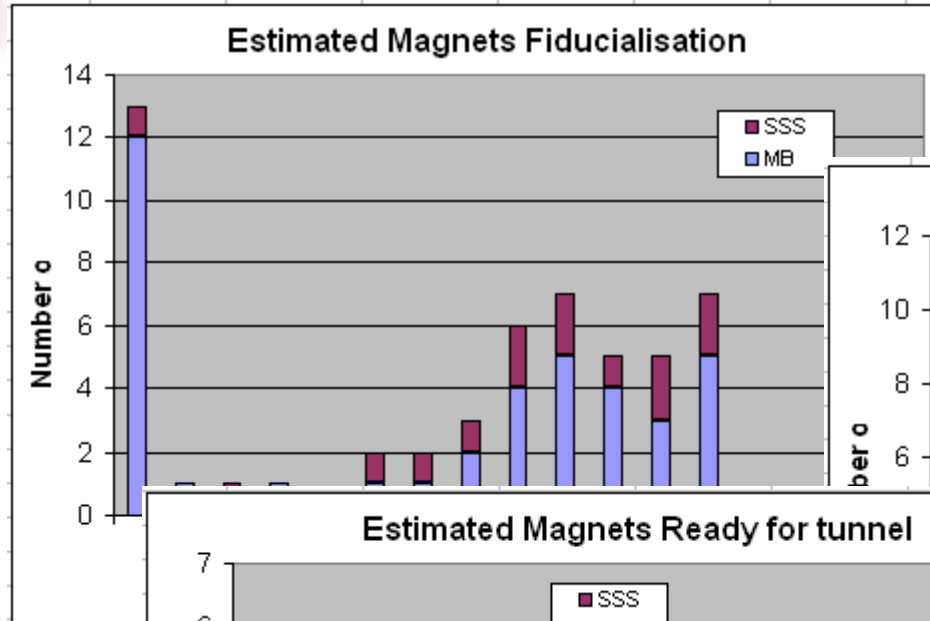


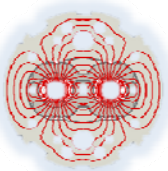
Surface News Week 09/2009

- Cold testing:
 - MB 2427 (18nΩ old measurement) and MB 2690 (18 nΩ old measurement) re-tested: results OK
 - MB 3383 being (again) prepared for retesting
 - but some technical difficulties (electrical NCR): MB 2103 and MB 2868
 - first successful measurements of 4th splice
- Stripping: (“...good week for stripping...”)
 - 6 OK
 - improving quality and tooling
- Beam screen mounting (SMI2) now under pressure:
 - also aiming for 6 this week
 - welding support from MSC to VSC (in SMI2 and in tunnel)
 - new bench installed
 - clean magnets in series?
 - extra hours this week?
- Fiducialisation / Survey now also under same pressure

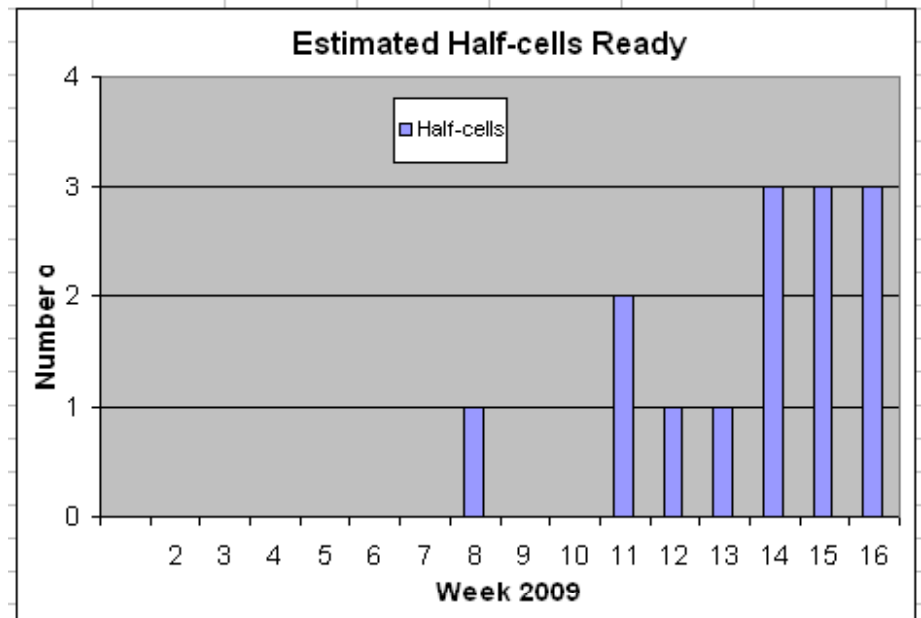
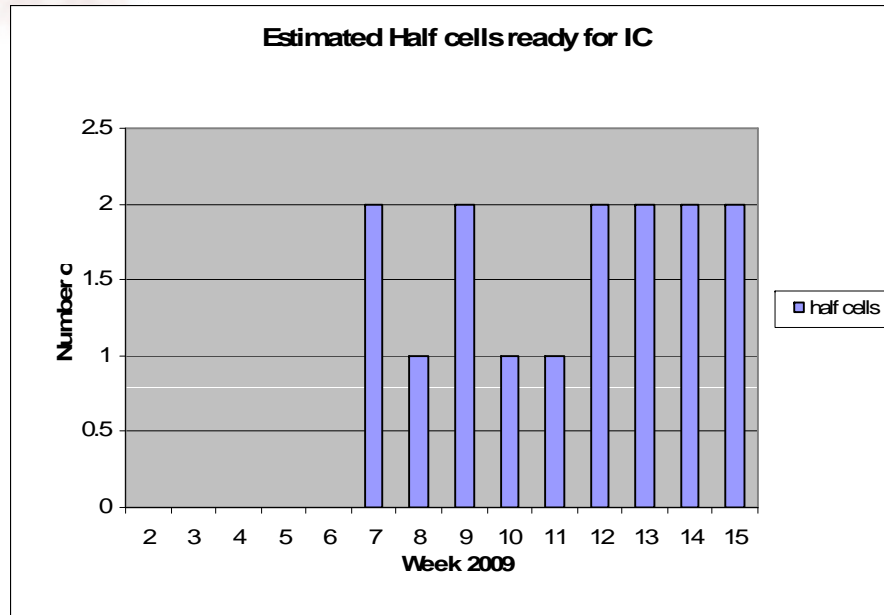


Surface News Week 09/2009

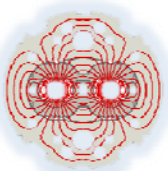




Surface News Week 09/2009



- Decision: SSS364 replaces SSS192 for Q31
- Decision: MB3383 changes slots with MB2103 (but this has electrical NCR ...)
- other slot changes (e.g. MB2435 with MB2868, makes another half-cell available W11 instead of W14) to be discussed

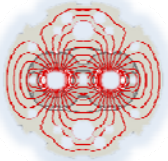


MB3110 (C24R3) and MB1109 (C23R3)



Lyra short circuit, but
IC and insulation still OK





Installation Week 09/2009

Secteur 3-4
 Situation semaine 9/09 (du 23.02.09 au 27.02.09)
 Réinstallation des aimants semaines 11 (09.03.09 au 13.03.09) et 12 (16.03.09 au 20.03.09)

<= Point 3

Function	A	B	C	Q WITH JUMPER	A	B	C	Q
Doim (start)	7479.2 C19R3	7494.8	7510.5	7526.1 Q18	7532.6 C20R3	7548.3 A20	7563.9 C20	7579.6 Q20
Doim (start)	7586.1 C21R3	7601.70 B21	7617.4 C21	7633.0 Q21	7639.5 C22R3	7655.2 B22	7670.8 C22	7686.6 Q22
Doim (start)	7693.0 C23R3	7708.6 B23	7724.3 C23	7739.9 Q23	7746.4 C24R3	7762.1 B24	7777.7 C24	7793.4 Q24
Function	A	B	C	Q WITH JUMPER	A	B	C	Q
Doim (start)	7799.9 C25R3	7815.5 B25	7831.2 C25	7847.8 Q25	7853.3 C26R3	7869.0 B26	7884.6 C26	7900.3 Q26
Doim (start)	7906.8 C27R3	7922.4 B27	7938.1 C27	7953.7 Q27	7960.2 C28R3	7975.9 B28	7991.6 C28	8007.2 Q28
Doim (start)	8013.7 C29R3	8029.3 B29	8045.0 C29	8060.6 Q29	8067.1 C30R3	8082.8 B30	8098.4 C30	8114.1 Q30
Doim (start)	8120.6 C31R3	8136.2 B31	8151.9 C31	8167.5 Q31	8174.0 C32R3	8189.7 B32	8205.3 C32	8221 Q32
Doim (start)	8227.5 C33R3	8243.1 B33	8258.8 C33	8274.4 Q33	8280.9 C34R3	8296.6	8312.2	8327.9

Point 4 =>

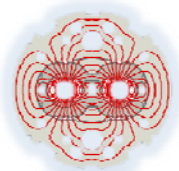
310t libres
 Prévision réinstallation
 éléments réinstallés
 dd/mm/yy
 Date de transport et mise en place

Cantons électriques
 Jumper à reprendre
transport depuis point 4 à fixer courant S10 en fonction de l'avancement de la réparation des câbles refroidis en RA43

Prepared by H. Gaillard

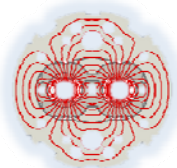
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Courtesy H. Gaillard



Tunnel News Week 09/2009

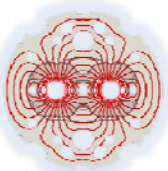
- 3-4: ongoing
 - will solder Q19, A20, B20, C20 this week (Andrzej!)
- 1-2 shutdown: ongoing
 - will weld x4 M3 sleeves in 32R1 to 32L2 this week
- 5-6 shutdown:
 - CC headaches! Difficulty of accessibility to insulate 11L6 M1
 - displaced supports, seen deformation of M3 busbars
 - may need to open and inspect others:
 - 11L1 (8-1)
 - 11L5 (4-5)
 - 11L7 (6-7) good candidate warm this week
 - 11L3 (2-3)
- 6-7: warm, IC starting 4 March, RF ball test etc.



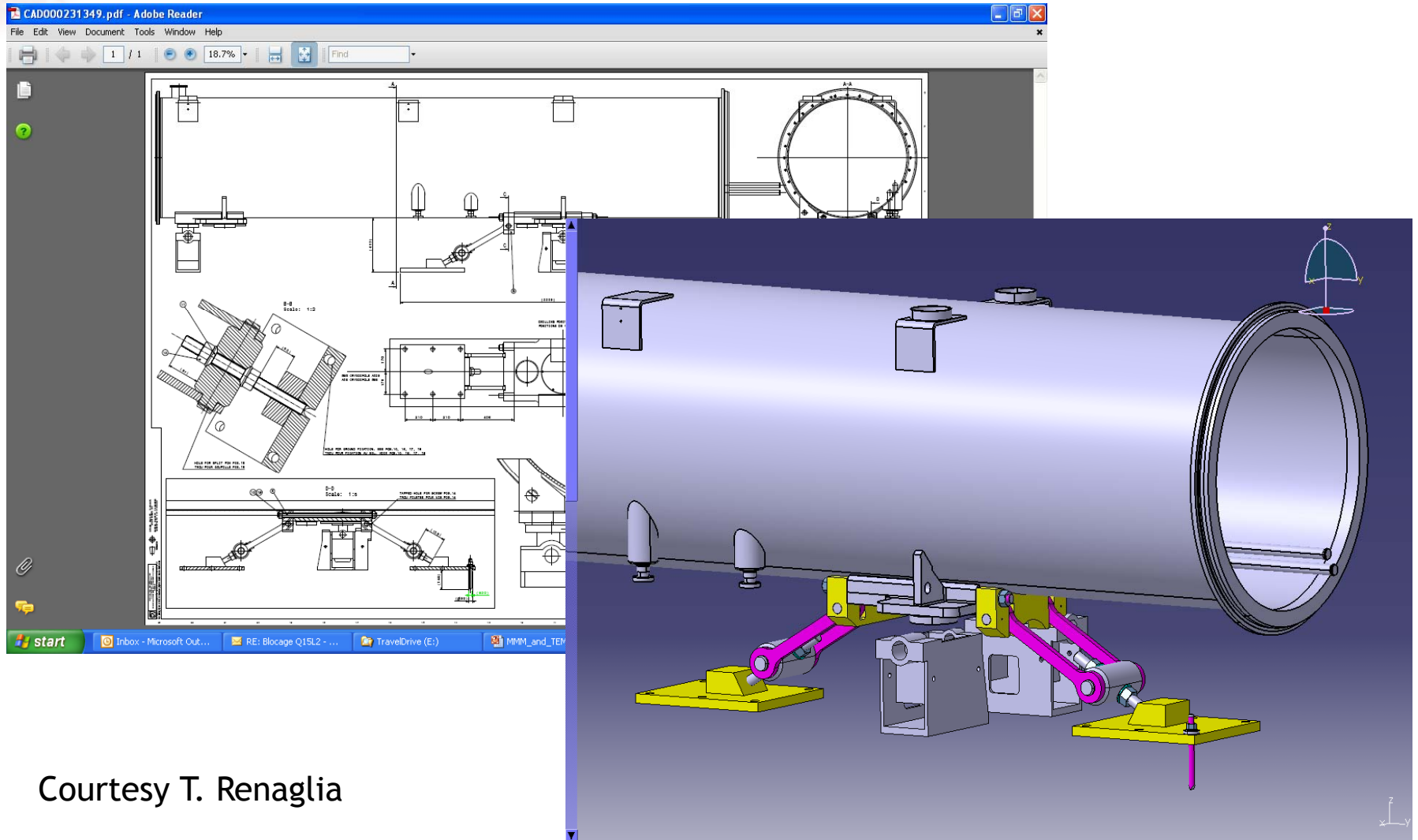
Pressure relief DN200 News

	Up to Week 8 - 2009		Week 9 - 2009		Overall Done	
	Magnets	Nozzles welded	Magnets	Nozzles welded	Magnets	Nozzles welded
Surface	19	22	6	6	25	28
Sector 1-2	6	9	12	15	18	24
Sector 3-4	0	0	9	12	9	12
Sector 5-6	2	3	11	14	13	17
Sector 6-7	0	0	0	0	0	0
Total	27	34	38	47	65	81

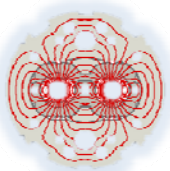
Courtesy JC. Perez



Jacks fixation (arcs)



Courtesy T. Renaglia



Jacks fixation prototype: Q15L2



Courtesy A. Foreste



TE Technical Board

- Tuesday 2 March 14h-16h

- Jack fixations:
 - arc: discuss, to give green light to EN
 - clarify responsibilities for further work in LSS

- Pressure relief nozzles:
 - clarify responsibilities for further work in LSS

- Electrical Engineering Working Group: will try to organise an update of situation