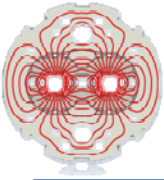


MMM and TEMB - 6 April, 2009

Status Report of Magnet Work Week 14 / 2009

Francesco Bertinelli - TE/MS

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

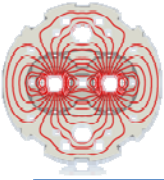


Surface News Week 14/2009

	End activity week 11 - 2009		End activity week 12 - 2009	
	Magnets	Quantity	Magnets	Quantity
Cryostating	SSS219 -(2445= <i>spare</i>)	2	2524= <i>spare</i>	1
Cold testing	1092-1099-2108-2192-2433-SSS208	6	1071-2035-(2437-2438-2442= <i>spares</i>)	5
Stripping	2103-2428-2441-2443-2446-2690-3118	7	1071-1092-1099-2108-2192-SSS225-SSS227	8
Fiducialization	1085-2428-2441-2446-2690-3118	6	1092-2103-2443-SSS225-SSS227-SSS364	6
Beam screen integration	1085-2427-2444-3118-SSS203-SSS221	6	2103-2428-2441-2446-2690-SSS195	6
Tunnel preparation	2252-2429-2418-2435-SSS221-SSS369	6	1085-2427-2428-2444-2690-3118	6
Installation (=pose)	2252-2418-2429-2435-2440-SSS221-SSS369	7	1085-2427-2428-2444-2690-3118	6

	End activity week 13 - 2009		End activity week 14 - 2009	
	Magnets	Quantity	Magnets	Quantity
Cryostating		0		0
Cold testing	SSS219-(2431-2445= <i>spares</i>)	3	3383	1
Stripping	2035-2433-2438-SSS208	4		0
Fiducialization	1092-2108-2433-2438-SSS208	5	1071-1099-2035-2437-SSS219	5
Beam screen integration	2108-2192-SSS225-SSS364	4	2035-2433-2438-2443-SSS208-SSS227	6
Tunnel preparation	2441-2103-SSS195-SSS203-SSS225-SSS364	6	1092-2108-2192-2443-SSS208-SSS227	6
Installation (=pose)	SSS195-SSS203	2	2108-2192-2441-2443-SSS208-SSS228	6

Courtesy A. Russo



Installation Week 14/2009

Secteur 3-4

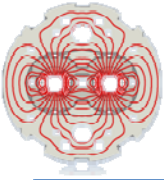
Situation semaine 14/09 (au 03.04.09)

Réinstallation des aimants semaines 15 (06.04.09 au 09.04.09) et 16 (14.04.09 au 17.04.09) + 18/09

<= Point 3												
Function	A				B				C			
	LBBLA 3115				LBALA 1091				LBBLD 3099			
Docum (start)	7479.2	7494.8	7510.5	7526.1	7532.6	7548.3	7563.9	7579.6	7595.3	7611.0	7626.7	
	C16R3				Q18				C20			
	07.04.09				07.04.09				08.04.09			
Function	A				B				C			
	LBBLA 2036				LBALA 1092				LBBLD 1099			
Docum (start)	7586.1	7601.70	7617.4	7633.0	7639.5	7655.2	7670.9	7686.5	7702.1	7717.8	7733.4	
	A21				B21				C21			
	07.04.09				07.04.09				14.04.09			
Function	A				B				C			
	LBALA 2430				LBALA 2780				LBBLD 2399			
Docum (start)	7693.0	7708.6	7724.3	7739.9	7746.4	7762.1	7777.7	7793.4	7809.0	7824.7	7840.3	
	A23				B23				C23			
Function	A				B				C			
	LBBLA 2103				LBALA 2739				LBBLD 2422			
Docum (start)	7799.9	7815.5	7831.2	7846.8	7853.3	7869.0	7884.6	7900.3	7915.9	7931.5	7947.1	
	A25				B25				C25			
	08.04.09				08.04.09				08.04.09			
Function	A				B				C			
	LBBLA 2429				LBALA 2890				LBBLD 1219			
Docum (start)	7906.8	7922.4	7938.1	7953.7	7960.2	7975.9	7991.5	8007.2	8022.8	8038.5	8054.1	
	A27				B27				C27			
	16.04.09				16.04.09				16.04.09			
Function	A				B				C			
	LBBLA 2419				LBALA 2342				LBBLD 2418			
Docum (start)	8013.7	8029.3	8045.0	8060.6	8067.1	8082.8	8098.4	8114.1	8129.7	8145.4	8161.0	
	A29				B29				C29			
Function	A				B				C			
	LBBLA 2440				LBALA 3413				LBBLD 2429			
Docum (start)	8120.6	8136.2	8151.9	8167.5	8174.0	8189.7	8205.3	8221.0	8236.6	8252.2	8267.8	
	A31				B31				C31			
	18.04.09				18.04.09				03.04.09			
Function	A				B				C			
	LBBLA 3883				LBALA 2192				LBBLD 2108			
Docum (start)	8227.5	8243.1	8258.8	8274.4	8280.9	8296.6	8312.2	8327.9	8343.5	8359.1	8374.8	
	A33				B33				C33			
	18.04.09				18.04.09				03.04.09			

Point 4 =>

Courtesy H. Gaillard



Tunnel News Week 14/2009

IC	Inst	Align	Pre-insp	Start	BR	SP	V	E	C'	Y+X	M
QQBI.19R3											
QQBI.19R3											
QBBI.A20R3											
QBBI.B20R3											
QBBI.20R3											
QQBI.20R3	7/Apr	8-4 AM	8-4 PM								
QBBI.A21R3	7/Apr	8-4 AM	8-4 PM								
QBBI.B21R3	8/Apr	9-4 AM	9-4 PM								
QBQI.21R3	8/Apr	9-4 AM	9-4 PM								
QQBI.21R3											
QBBI.A22R3											
QBBI.B22R3	15/Apr										
QBQI.22R3	15/Apr										
QQBI.22R3											
QBBI.A23R3											
QBBI.B23R3											
QBQI.23R3											
QQBI.23R3											
QBBI.A24R3											
QBBI.B24R3											
QBQI.24R3											
QQBI.24R3											
QBBI.A25R3											
QBBI.B25R3											
QBQI.25R3	9/Apr	14/Apr									
QQBI.25R3	9/Apr	14/Apr									
QBBI.A26R3	6/Apr	7-4 AM	7-4 PM								
QBBI.B26R3	6/Apr	7-4 AM	7-4 PM								
QBQI.26R3	3/Apr	6/Apr	7-4 AM								

Damaged spools
Cut strands

Resistance M3

	BR	SP	V	E	M
W13	8	6	7	8	0
W14	9	7	10	11	3

IC	Inst	Align	Pre-insp	Start	BR	SP	V	E	C'	Y+X	M
QQBI.26R3	3/Apr	6/Apr	7-4 AM								
QBBI.A27R3											
QBBI.B27R3											
QBQI.27R3											
QQBI.27R3	15/Apr										
QBBI.A28R3	15/Apr										
QBBI.B28R3											
QBQI.28R3											
QQBI.28R3											
QBBI.A29R3											
QBBI.B29R3											
QBQI.29R3											
QQBI.29R3											
QBBI.A30R3											
QBBI.B30R3											
QBQI.30R3											
QQBI.30R3											
QBBI.A31R3											
QBBI.B31R3											
QBQI.31R3											
QQBI.31R3											
QBBI.A32R3											
QBBI.B32R3											
QBQI.32R3											
QQBI.32R3											
QBBI.A33R3	17/Apr										
QBBI.B33R3	3/Apr	3/Apr	6-4 AM								
QBQI.33R3	3/Apr	6-4 AM	6-4 PM								
QQBI.33R3	3/Apr	6-4 AM	6-4 PM								

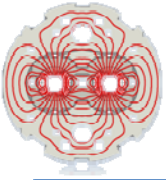
Broken cable

Resistance M1 +5 short spools

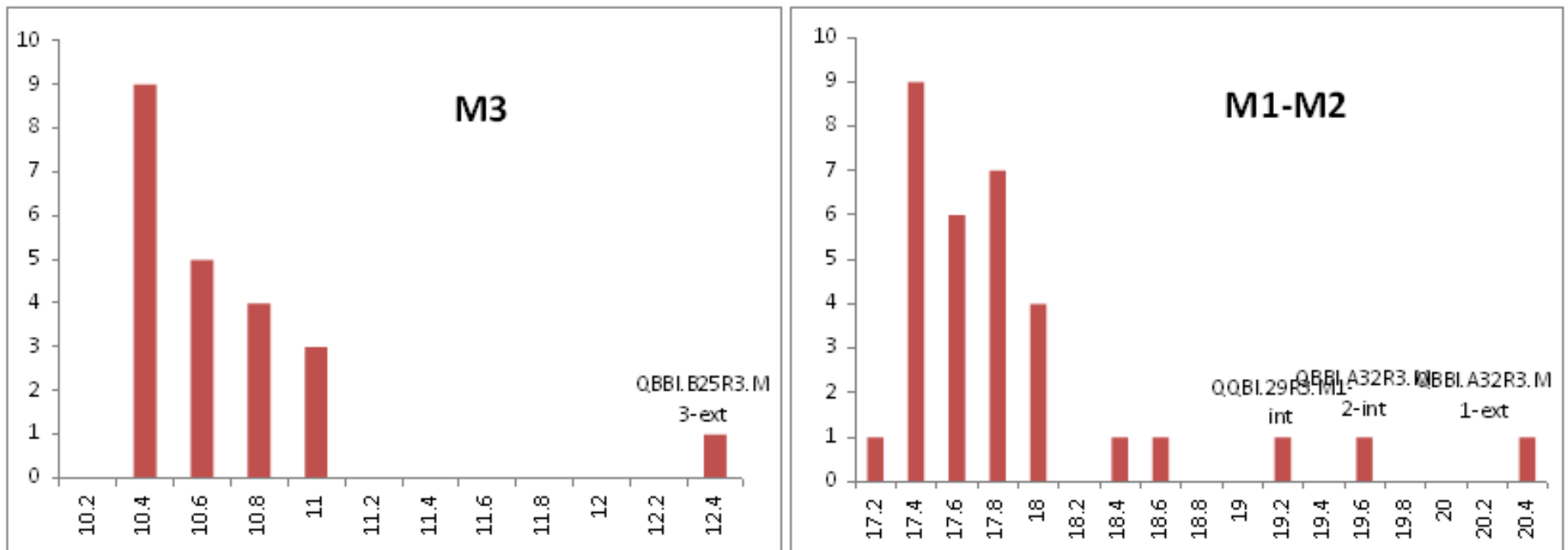
Resistance M1

 	Done current week
 	Done
 	Started
 	Blocked
 	Blocked by NCR
 	Next activities

Courtesy A. Musso

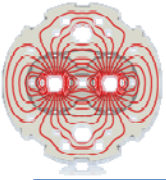


Splice Megger measurements

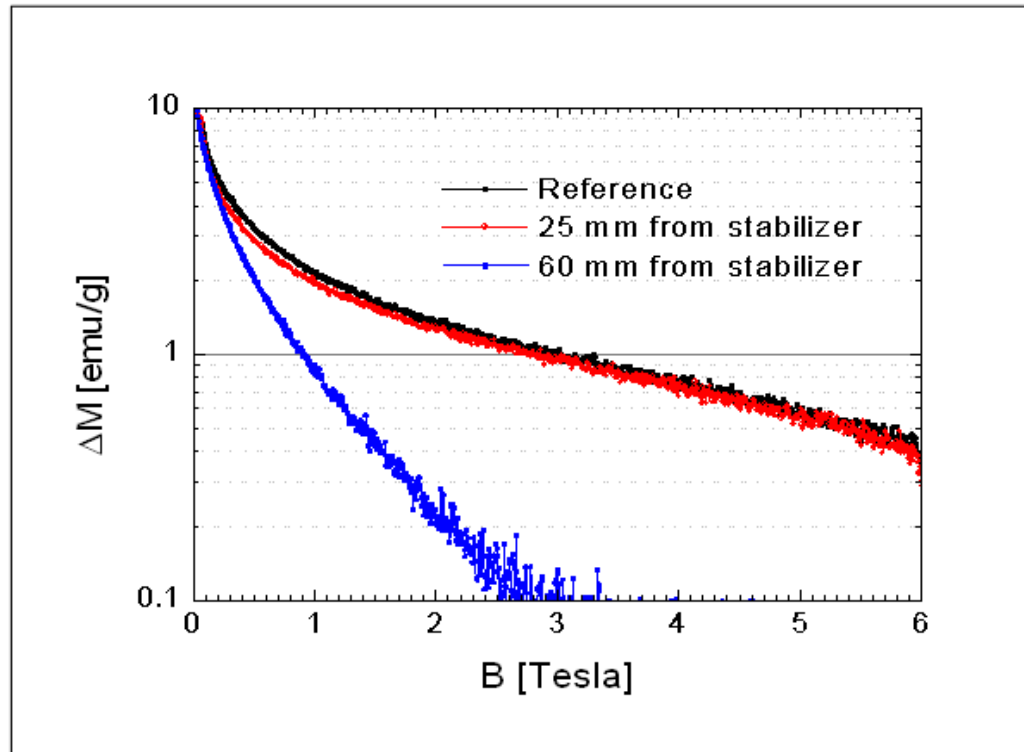


- Gap slices OK, outliers in cases without visible gap
- Splice NCRs blocking progress (PAQ and M welding)
- Urgent need to resolve this: Ad-hoc “EEWG” tomorrow (or other setting)

Courtesy C. Scheuerlein, N. Catalan, G. D'Angelo, R. Mompò

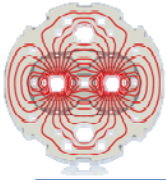


Qualification overheated cable



- Estimated heating above 580°C
- Our tests: 600°C but visible damage to tooling
- Validates repair procedure (cut 100 mm)

Courtesy C. Scheuerlein, P. Fessia, C. Senatore (Uni Geneve)



Pressure relief DN200 News

Week	Total	Sector 1-2	Sector 3-4	Sector 5-6	Sector 6-7	Remarks
6	2		2			Surface
7	11		9			Surface
8	34	9	11	3		Surface & Tunnel
9	82	20	16	12		Surface & Tunnel
10	167	34	27	24		Surface & Tunnel
11	283	36	10	44	26	
12	378			68	27	
13	439	4		17	40	
14	493				54	
15	493					
16	493					
17	493					
SUM		103	75	168	147	
Contract		DUBNA	S-108	S-107	S-108	

Courtesy JC. Perez