

MMM and TEMB - 9 March, 2009

Status Report of Magnet Work Week 10 / 2009 Francesco Bertinelli - TE/MSC

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



Surface News Week 10/2009

| | End activity week 5 | - 2009 | End activity week 6 - 2 | 2009 | End activity week 7 - 2009 | | |
|-------------------------|---------------------------------------|----------|--|----------|------------------------------|----------|--|
| | Magnets | Quantity | Magnets | Quantity | Magnets | Quantity | |
| Cryostating | 2428-3118-SSS221 | 3 | 2433-2443-555195 | 3 | 2035-2103-2441-SSS225 | 4 | |
| Cold testing | 2427-2739 | 2 | 1085-SSS369 | 2 | 2421-2429-2440-SSS221 | 4 | |
| Stripping | 2432-555243 | 2 | 2739 | 1 | 1085-SSS369 | 2 | |
| Fiducialization | | | | | 1085 | 1 | |
| Beam screen integration | 2434-2436 | 2 | 2399-SSS055 | 2 | 2432 | 1 | |
| Tunnel preparation | 2422-2624 | 2 | 2342-2399-2434-2436-555055 | 5 | 2432 | 1 | |
| Installation (=pose) | 2624 | 1 | 2434-2436 | 2 | 2342 | 1 | |
| | End activity week 8 | - 2009 | End activity week 9 - 2 | 2009 | End activity week 10 - 2009 | | |
| | Magnets | Quantity | Magnets | Quantity | Magnets | Quantity | |
| Cryostating | 1071-1092-1099-2192-SSS227 | 5 | 2108-SSS208-(2431-2442= spares) | 4 | (2437-2438 = spares) | 2 | |
| Cold testing | 2418-2435-2446-3118-SSS195- SSS203 | 6 | 2103-2444-2427-2690-SSS006- SSS225-SSS227 | 7 | 2423-2428-2441-2868-555227 | 5 | |
| Stripping | 2421-2429-555221 | 3 | 2252-2418-2435-2440-SSS195-SSS20 | 6 | 2427-2444-SSS006 | 3 | |
| Fiducialization | | | 2252-2418-2440-SSS203 | 4 | 2427-2435-2444-SSS006-SSS195 | 5 | |
| Beam screen integration | 2739-SSS243 | 2 | 2421-2429-555369 | 3 | 2252-2418-2435-2440 | 4 | |
| Tunnel preparation | SSS243 | 1 | 2422-2739 | 2 | 2421-2440 | 2 | |
| Installation (=pose) | 2432-2399 | 2 | 2422-2739-SSS055-SSS243 | 4 | 2421 | 1 | |



- Cold testing: OK, reduced capacity to 6 kW, 18 kW back since Thursday
- Stripping: OK
- Fiducialisation: OK
- Beam screen integration: increased benches and cleaning stations, increased welding
- Slot changes:
 - SSS364 replaces SSS192 for Q31
 - MB2868 (short + retesting) swaps with MB2446
 - MB3383 (refit + retesting) swaps with MB2103 (cleared OK)
 - MB2427 swaps with MB2428



Installation Week 10/2009

| - | <u> </u> | A. | | | | c | Q WITH | | | | | | c | • |
|--|-------------------|------------------|------------|------------------|---------|-----------------------------|---------------------|-----------------|---------------------|--------------|------------------|---------|------------|----------------------|
| Function | | ~ | | • | | • | JUMPER | | - | | | | • | - |
| | | | | | _ | | | | | _ | | _ | | \$13 |
| | | LBBLA 3115 | | LBALA 1091 | | L68LD 3099 | 888228 | 77777 | LBALA 3152 | | L88LA 1130 | | LBALB 2054 | 888195 |
| Down (start) | 7479.2 C19R3 | | 7494.8 | | 7510.5 | | 7526.1 Q19 | 7532.6 c20R3 | A20 A30 | 7548.3 | B20 | 7563.9 | C20 | 7579.6 Q20 |
| | | | | | | | s13 | | 18.03.09 | | 19.03.09 | | | s13 |
| | | BBLA 2035 | _ | BALA 1092 | | LBBLD 1099 | \$\$\$225 | | LBALA 1085 | | .BBLA 3118 | | BALB 1071 | \$\$\$203 |
| Down (start) | 7586.1 C21R3 | A21 | 7601.70 | B21 | 7617.4 | C21 | 7633.0 Q21 | 7639.5 C22R3 | A22 | 7655.2 | 822 | 7670.8 | C22 | 7698.5 Q22 |
| | | | | BALA 2790 | _ | BBLD 2399 | | | 1.041.4.0405 | | BBLA 2434 | | BALB 2439 | 000.077 |
| Down (start) | 7693.0 | BALA 2430 A23 | 7708.6 | BALA 2/90 B23 | 7724.3 | C23 | 885243 7739.9 | 7746.4 | LBALA 2436 A24 | 7762.1 | BBLA 2434 B24 | 7777.7 | C24 | 888 277 7793.4 |
| Coan (ann) | CZ3R3 | | 7796.0 | 825 | 1124.5 | 625 | Q23 | CONRO | | 7764.1 | 824 | | 024 | Q24 |
| Function | | A | | | | c | Q WITH JUMPER | | A | | 8 | | c | ٩ |
| | | | _ | | _ | | | | | | | _ | | |
| - | | BBLA 2103 | | BALA 2739 | | LBBLD 2422 | 888218 | _ | LBALA 2868 | | .BBLA 2433 | | BALB 2598 | 885208 |
| Down (start) | 7799.9 C25R3 | A25 | 7815.5 | B26 | 7831.2 | C25 | 7846.8 Q25 | 1 | 7853.3 A26 cases | 7869.0 | B26 | 7884.6 | C26 | 7900.3 Q26 |
| | | 17.03.09 | | 20.03.09 | | | | | | | 07.03.09 | | | 12.03.09 |
| | | BBLA 2427 | | BALA 2690 | | LBBLD 1219 | \$\$\$065 | | LBALA 2446 | | .BBLA 2421 | | BALB 2551 | 888389 |
| Down (start) | 7906.8 cz7R3 | A27 | 7922.4 | B27 | 7938.1 | C27 | 7953.7 Q27 | 7960.2 C26R3 | A28 | 7975.9 | B28 | . 191.5 | C28 | 8007.2 Q28 |
| | | | | | | 11.03.09 | 12.03.09 | | 14.03.09 | | | | 16.03.09 | \$13 |
| | L | BBLA 2419 | L | BALA 2342 | l | LBBLD 2418 | 888221 | | LBALA 2435 | - L | .BBLA 2428 | L | BBLA 2444 | \$\$\$006 |
| Down (start) | 8013.7 czera | A29 | 8029.3 | B29 | 8045.0 | C29 | 8060.6 Q29 | 8067.1 C30R3 | A30 | 8082.8 | B30 | 8098.4 | C30 | 8114. Q30 |
| | - | 09.03.09 | - | | | 10.03.09 | CO11 | | | | 13.03.09 | | | |
| | L | BBLA 2440 | L | BALA 3413 | 1 | LBBLD 2429 | 11 55192 | | LBALA 2624 | L | BBLA 2252 | L | BBLA 2443 | 888279 |
| Down (start) | 8120.6 Сэняз | A31 | 8136.2 | B31 | 8151.9 | C31 | Q31 8167.5 | 8174.0 c32R3 | A32 | 8189.7 | B32 | 8205.3 | C32 | 822 Q32 |
| | | BBLA 3383 | | BALA 2192 | | BBLD 2108 | 855227 | | 10414-0477 | | 221 4 4400 | | BALB 1246 | LOODK ODD |
| Down (start) | | A33 | 8243.1 | BALA 2192 B33 | 8258.8 | C33 | 8274.4 | 8280.9 | LBALA 2177 | 8296.6 | LBBLA 1100 | 8312.2 | DALO 1240 | LQOBK 0203 8327.9 |
| court (ant) | C33R3 | | 0200.1 | 255 | 02.00.0 | 030 | Q33 | C34R3 | | 0200.0 | | | ŀ | 0027.0 |
| | | | | | | | | | | | | | | Point 4 ≕ |
| 1 | 21 -1-11-1 | | Baladalara | the station | dit and | | | B-11- 4 | | | | | | |
| | Slot libr | 65 | Prevision | réinstallation | element | <mark>s réi</mark> nstallés | dd/mm/yy | | e transport et mise | en place | | | | |
| | | | | | · | \sim | | (all serves) | | | | | | |
| Cantons électriques Cantons électriques Canto | | | | | | | | ra vu en dét | all oourant de s | emaine 10 en | | | | |
| - | | | | | | | repared by H.Gailla | | | | | | | |
| | | | | | | u | pdated by J.Coupa | FC | | | | | | Page 1/1 |
| | | | | | | | | | | | | | | |

Secteur 3-4 Situation semaine 10/09 (du 02.03.09 au 06.03.09) Réinstallation des aimants semaines 11 (09.03.09 au 13.03.09) et 12 (16.03.09 au 20.03.09)



Tunnel News Week 10/2009

■ 3-4: ongoing

intensive installation and alignment plan for this week 11

- 1-2 shutdown: ongoing
- 5-6 shutdown:
 - Connection Cryostats (see Jean-Philippe Tock)
- 6-7: warm, IC started 4 March, RF ball test Tuesday 10 March.
- ad-hoc "EEWG" this week



Pressure relief DN200 News





Pressure relief DN200 News

| | Total | Sector 1-2 | Sector 3-4 | Sector 5-6 | Sector 6-7 | Remarks |
|----------|-------|------------|------------|------------|------------|------------------|
| | | | | | | |
| W6 | 2 | | 2 | | | Surface |
| W7 | 11 | | 9 | | | Surface |
| W8 | 34 | 9 | 11 | 3 | | Surface & Tunnel |
| W9 | 82 | 20 | 16 | 12 | | Surface & Tunnel |
| W10 | 167 | 34 | 27 | 24 | | Surface & Tunnel |
| Wii | 245 | 30 | 24 | 24 | | |
| W12 | 32.3 | 30 | 24 | 24 | | |
| W13 | 401 | 30 | 24 | 24 | | |
| W14 | 480 | 15 | 24 | 24 | 16 | |
| W15 | 553 | | 7 | 24 | 42 | |
| W16 | 634 | | | 9 | 72 | |
| W17 | 672 | | | | 38 | |
| sum | | 168 | 168 | 168 | 168 | |
| Contract | | DUBNA | S-108 | S-107 | ALL | |

| | SMA18 | Sector 1-2 | Sector 3-4 | Sector 5-6 | Sector 6-7 | TOTAL |
|---------|-------|------------|------------|------------|------------|-------|
| DN200 | 34 | 58 | 39 | 39 | | 170 |
| Magnets | 29 | 46 | 33 | 28 | | 136 |

Courtesy JC. Perez