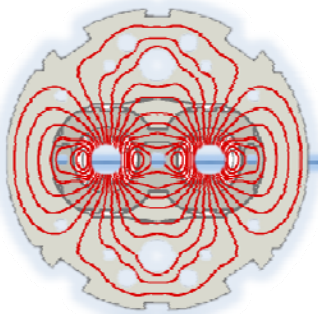


MMM and TEMB – 2 March, 2009

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

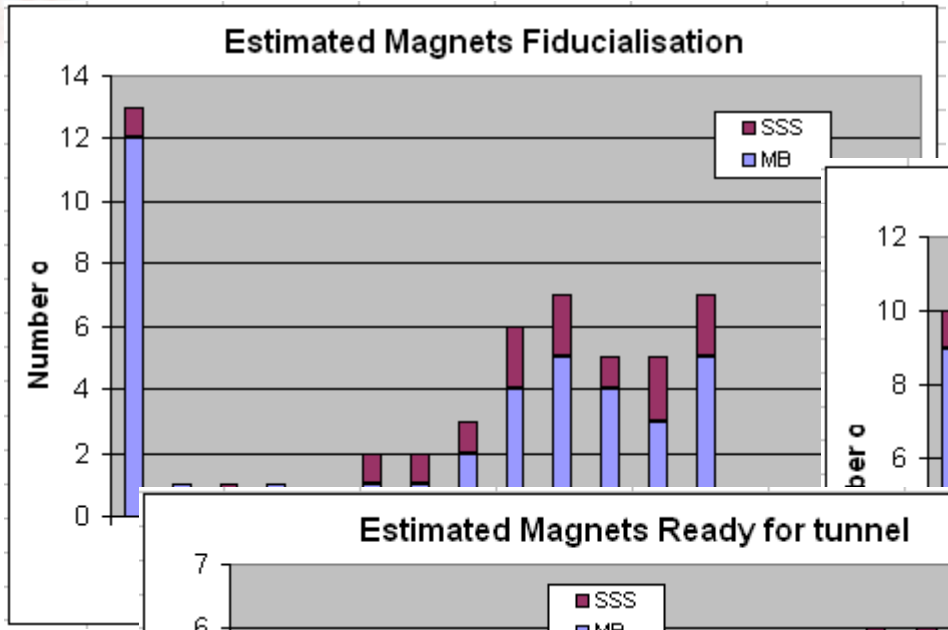
	End activity week 9 - 2009	
	Magnets	Quantity
Cryostating	2108-SSS208-(*2431-2442= spares*)	4
Cold testing	2103-2444-2427-2690-SSS006-SSS225-SSS227	7
Stripping	2252-2418-2435-2440-SSS195-SSS203	6
Beam screen integration	2421-2429-SSS369	3
Tunnel preparation	2422-2739	2
Installation (=pose)	2422-2739-SSS055-SSS243	4

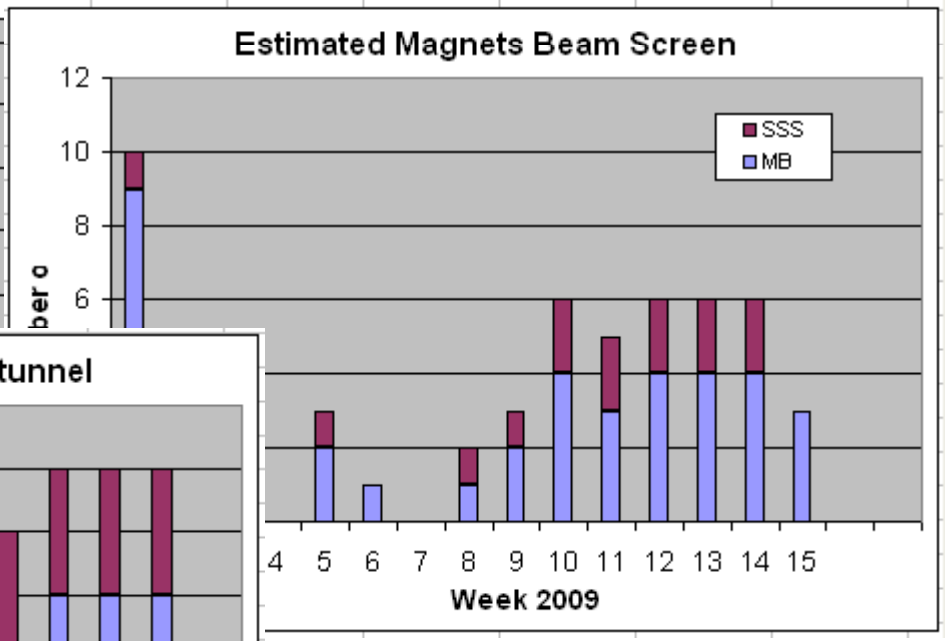
Courtesy A. Russo

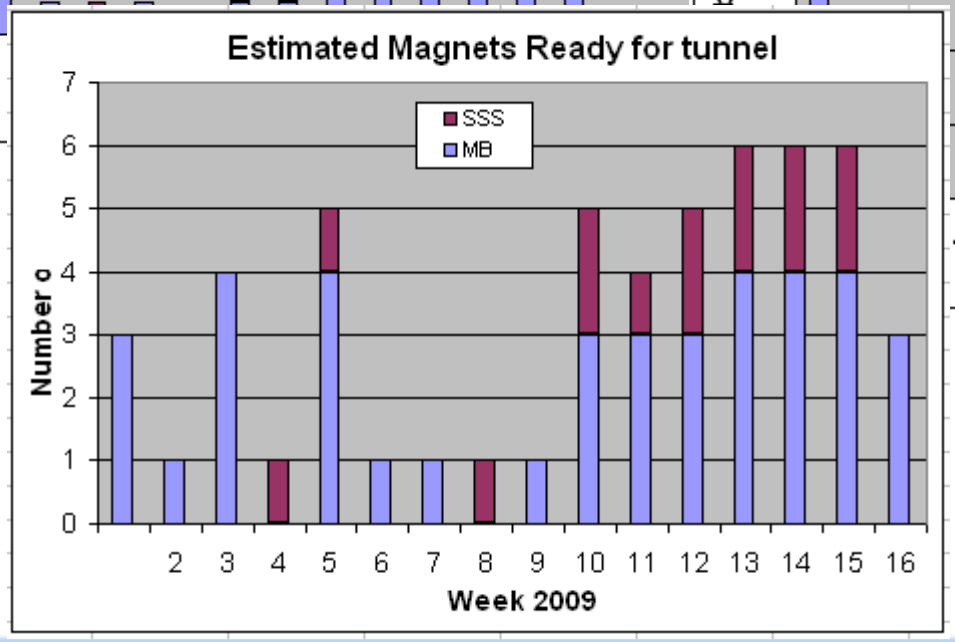
Surface News Week 09/2009

- 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

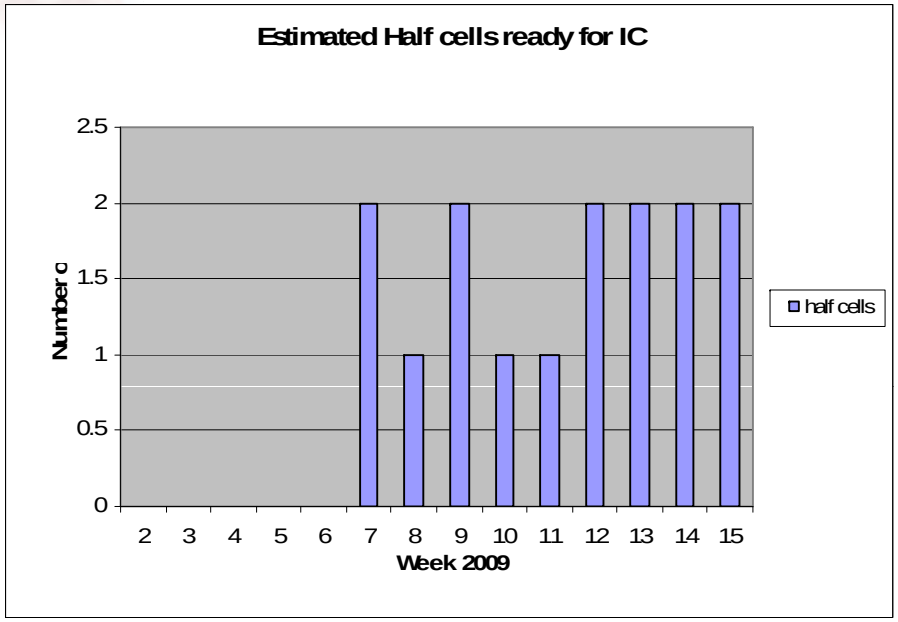
Surface News Week 09/2009

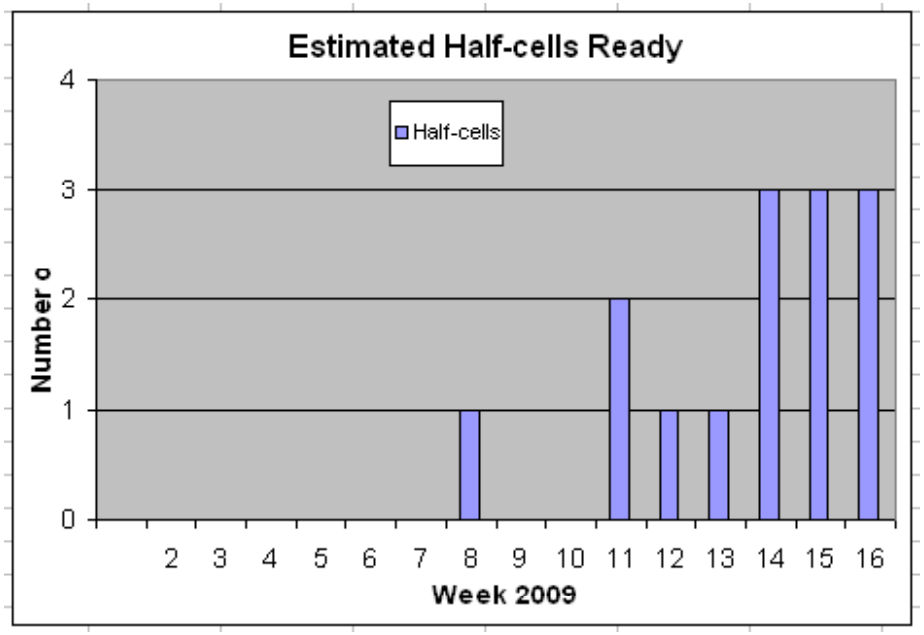






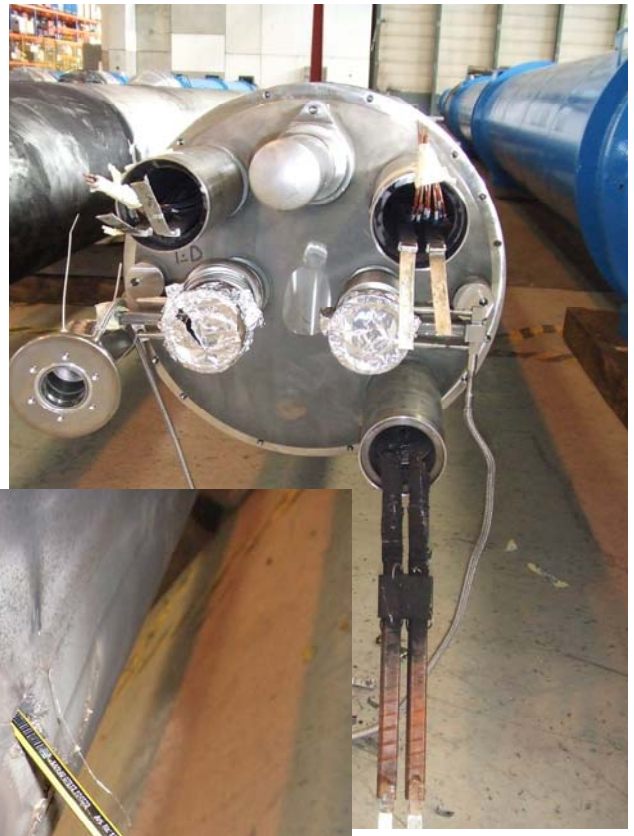
Surface News Week 09/2009





- 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

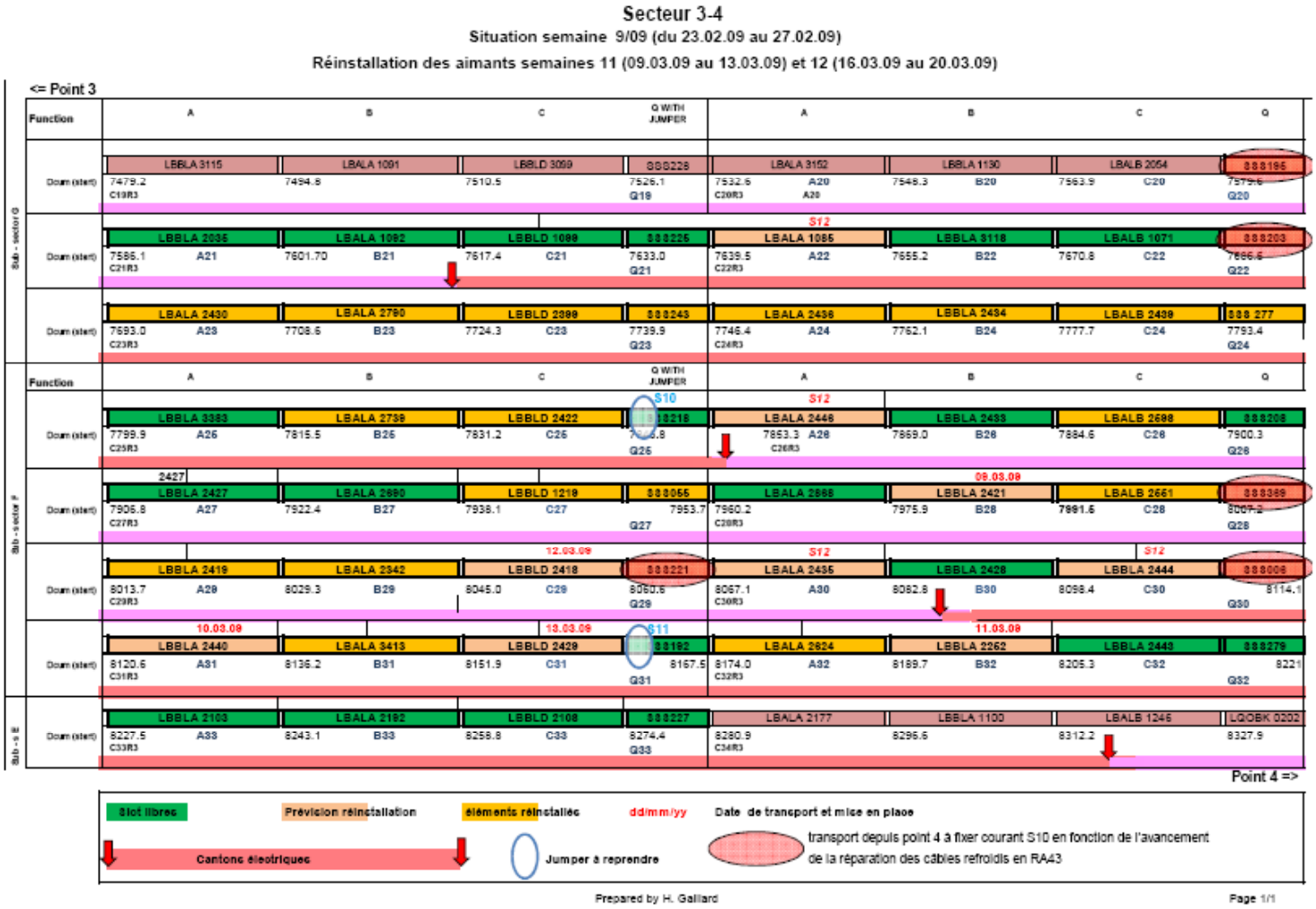
MB3110 (C24R3) and MB1109 (C23R3)



Lyra short circuit, but

IC and insulation still OK

Installation Week 09/2009



Courtesy H. Gaillard

Tunnel News Week 09/2009

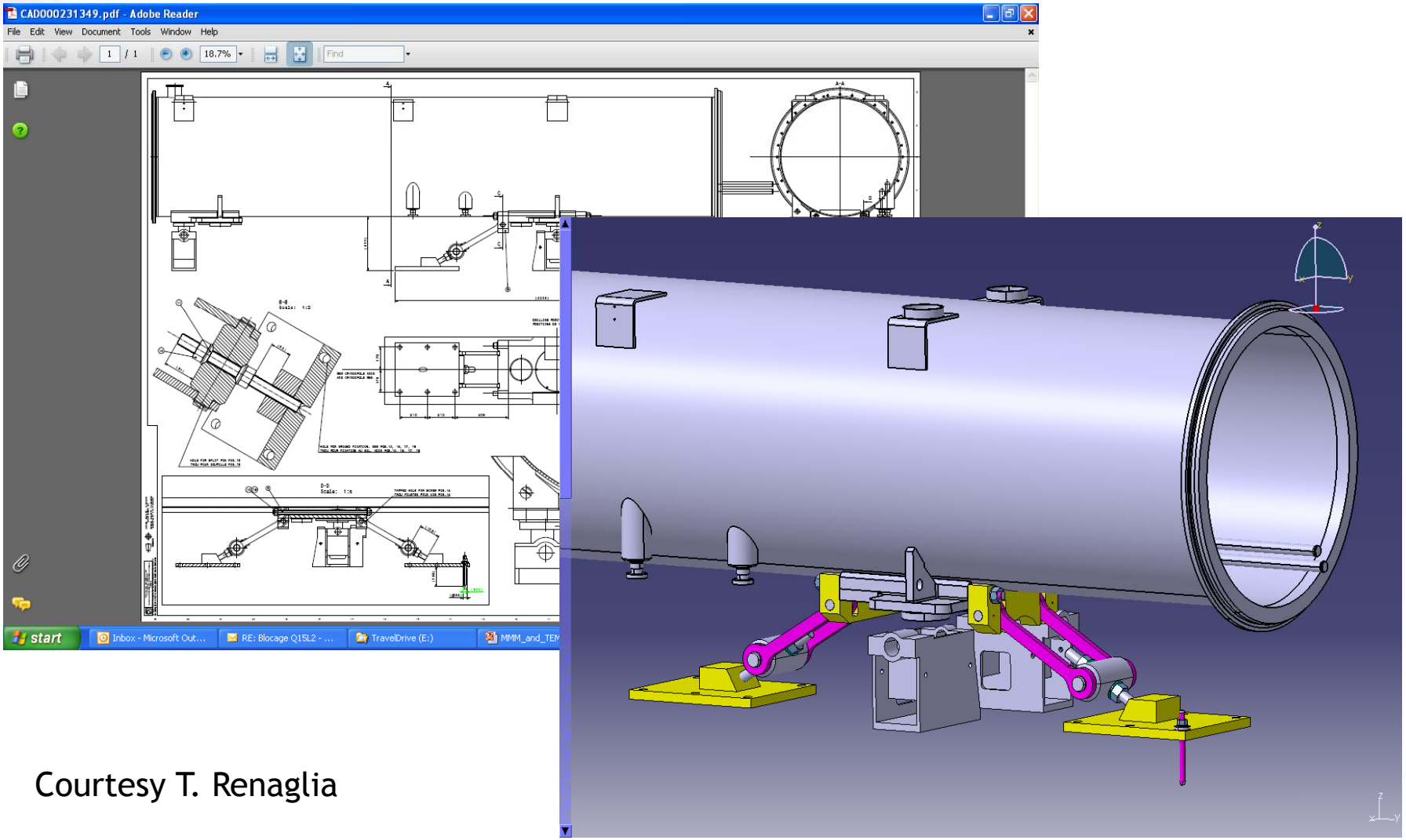
- 3-4: ongoing
  - will solder Q19, A20, B20, C20 this week (Andrzej!)
- 1-2 shutdown: ongoing
  - will weld x4 M3 sleeves in 32R1 to 32L2 this week
- 5-6 shutdown:
  - CC headaches! Difficulty of accessibility to insulate 11L6 M1
  - displaced supports, seen deformation of M3 busbars
  - may need to 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