

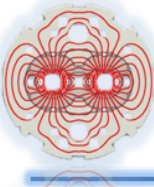
MMM- 9 February, 2009



Status Report of Magnet Work Week 06 / 2009

Jean-Philippe Tock - TE/MSC

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



Tunnel News Week 06/2009

Secteur 3-4

Situation semaine 06/09 du 02.02.09 au 06.02.09

Réinstallation des aimants semaines 7/09 (09.02.09 au 13.02.09) et 8/09 (du 16.02.09 au 20.02.09)

<= Point 3

Function	A	B	C	Q WITH JUMPER	A	B	C	Q
Docum (start)	LBBLA 3115 7479.2 C19R3	LBALA 1091 7494.8	LBBLD 3099 7510.5	SSS228 7526.1 Q19	LBALA 3152 7532.6 C20R3	LBBLA 1130 7548.3 B20	LBALB 2054 7563.9 C20	SSS195 7579.6 Q20
Docum (start)	LBBLA 2035 7586.1 C21R3	LBALA 1092 7601.70 B21	LBBLD 1099 7617.4 C21	SSS225 7633.0 Q21	LBALA 1085 7639.5 C22R3	LBBLA 3118 7655.2 B22	LBALB 1071 7670.8 C22	SSS203 7686.5 Q22
Docum (start)	LBALA 2430 7693.0 C23R3	LBALA 2790 7708.6 B23	LBBLD 2399 7724.3 C23	SSS243 7739.9 Q23	LBALA 2436 7746.4 C24R3	LBBLA 2434 7762.1 B24	LBALB 2439 7777.7 C24	SSS277 7793.4 Q24
Function	A	B	C	Q WITH JUMPER	A	B	C	Q
Docum (start)	LBBLA 3383 7799.9 C25R3	LBALA 2739 7815.5 B25	LBBLD 2422 7831.2 C25	SSS218 7846.8 Q25	LBALA 2446 7853.3 A26 C26R3	LBBLA 2433 7869.0 B26	LBALB 2598 7884.6 C26	SSS208 7900.3 Q26
Docum (start)	LBBLA 2427 7906.8 C27R3	LBALA 2690 7922.4 B27	LBBLD 1219 7938.1 C27	SSS055 7953.7 Q27	LBALA 2868 7960.2 C28R3	LBBLA 2421 7975.9 B28	LBALB 2551 7991.5 C28	SSS369 8007.2 Q28
Docum (start)	LBBLA 2419 8013.7 C29R3	LBALA 2342 8029.3 B29	LBBLD 2418 8045.0 C29	SSS221 8060.6 Q29	LBALA 2435 8067.1 C30R3	LBBLA 2428 8082.8 B30	LBBLA 2444 8098.4 C30	SSS006 8114.1 Q30
Docum (start)	LBBLA 2440 8120.6 C31R3	LBALA 3413 8136.2 B31	LBBLD 2429 8151.9 C31	SSS192 8167.5 Q31	LBALA 2624 8174.0 C32R3	LBBLA 2252 8189.7 B32	LBBLA 2443 8205.3 C32	SSS279 8221 Q32
Docum (start)	LBBLA 2103 8227.5 C33R3	LBALA 2192 8243.1 B33	LBBLD 2108 8258.8 C33	SSS227 8274.4 Q33	LBALA 2177 8280.9 C34R3	LBBLA 1100 8296.6	LBALB 1248 8312.2	LQOBK 0202 8327.9

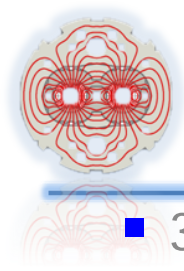
Point 4 =>

Slot libres
Prévision réinstallation
éléments réinstallés
dd/mm/yy Date de transport

↓ Cantons électriques

○ Fin remontage jumper

Courtesy H Gaillard



Tunnel News Week 06/2009

■ 3-4:

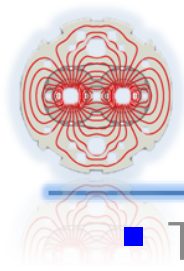
- Status end W06 : 11 MB and 1 SSS giving 4 possible ICs
- Alignment beginning of W7 ; reinterconnection to start end of W7 (half a week delay ; 2 ICs missing wrt our schedule)
- Y-line repair completed and tested
- V flanges inspection on-going, replacement cutting to start
- Undulator in L4 to be replaced? To be discussed in TE

■ 1-2 shutdown:

- PIM reinstallation started: 12/16 done ; to be tested(VSC)
- Dipole B16R1 to be reinstalled 12/02 ; then alignment ; Reinterconnection foreseen for W8 (delay but not critical)

■ 5-6 shutdown:

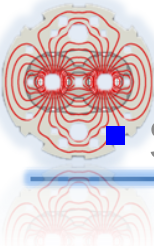
- PIMs under reinstallation
- Insulation reinforced on 1/3 CC ; closure starts this week
- arc SSS He guards: reinstallation end of this week



Pressure relief DN200 News i/ii

- Tooling for tunnel interventions:
 - 16 sets for opening & 3 cutting machines : ready
 - BLM + survey sensors under removal
 - Removal of clamps by opening team started in 1-2 & 5-6;
 - Opening after paint removal
 - VIC tomorrow 10/02 ; procedures are ready
 - 2 done at the surface ; continuation this week
 - Coactivity with QPS cabling campaign: to be coordinated: meeting tomorrow

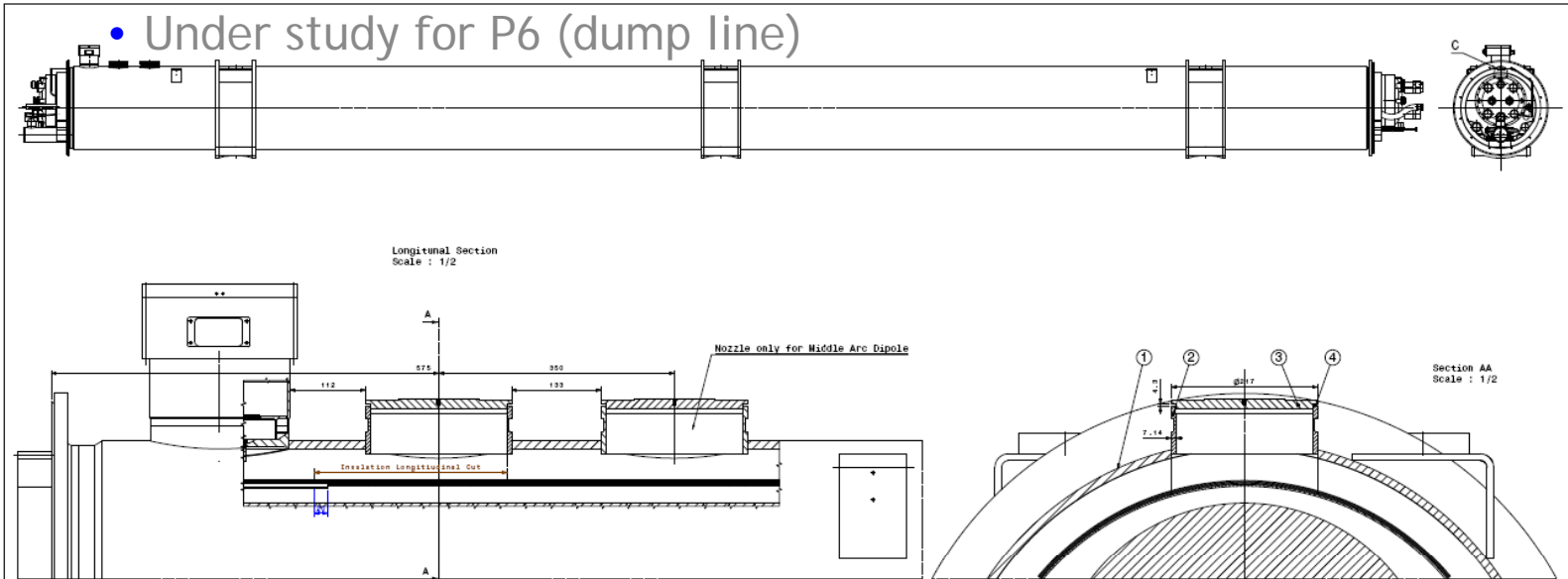
Courtesy J C Perez, M. Karppinen



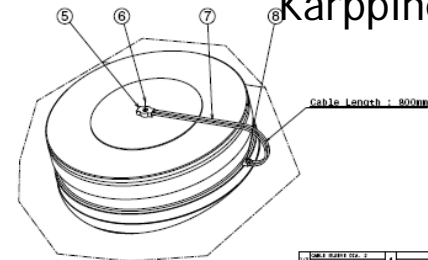
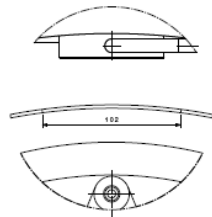
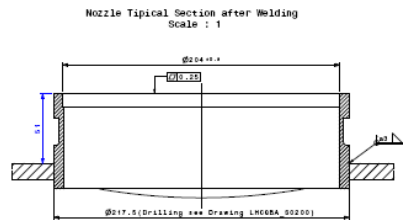
Pressure relief DN200 News ii/ii

Special cases

- Double Pressure Relief Devices (center of arc and DS): design finalised including safety wire
- Under study for P6 (dump line)

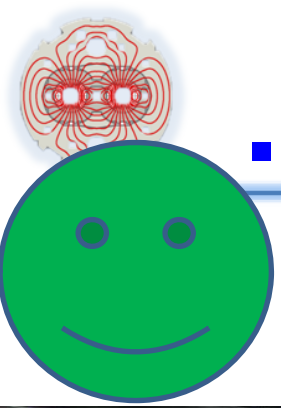


Courtesy J C Perez, M. Karppinen, T Renaglia



This drawing represents a part (or a component) of the vacuum system for LNG which will operate at 10-10 Pa (10-127001) All welds must be made using the specified technique with 100% penetration. Welds are all outer surfaces must not be finished by grinding or any other mechanical abrasion. Any part (or component) of the vacuum system extending a room temperature leak rate (Localized or global), when measured with a calibrated ION leak detector, at a pressure of 1x10-11 Pa m³ s⁻¹ (7.5x10-11 Torr l^a s⁻¹) will be considered as unacceptable.

REV	DESCRIPTION	DATE	BY	CHECKED
1	REVISED FOR DESIGN			
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SAM Helium level gauge i/ii

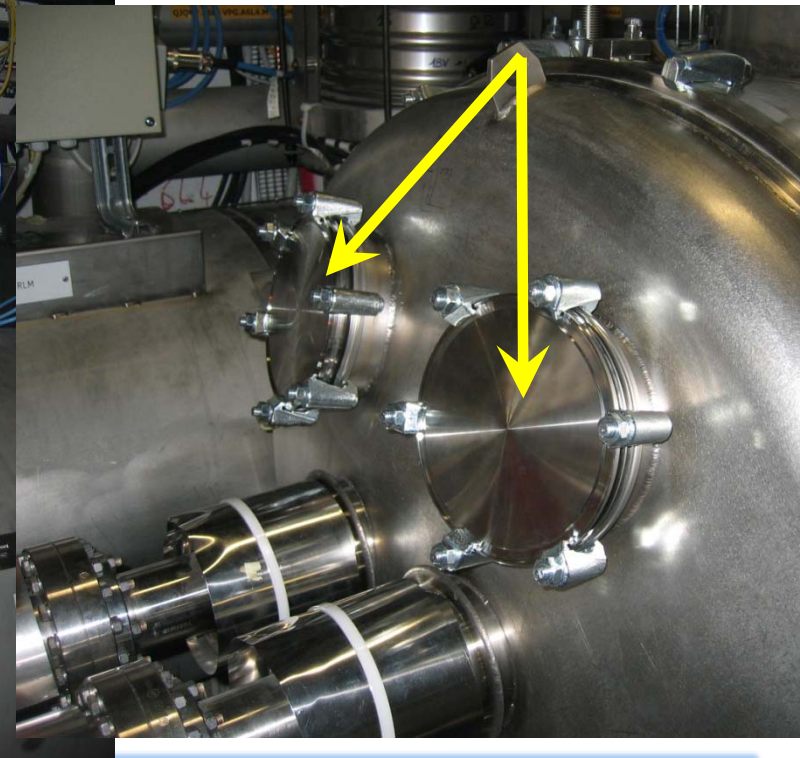
■ 3-4:

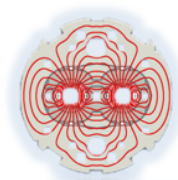
- Q6L4 : first totally completed successfully
Collaborative work EN-MME/TE-MS

Possibility to install pressure relief valves ?

2 * DN160

No choice on the position !





SAM Helium level gauge ii/ii

		Découpe soufflet	Découpe ligne LD	Ouverture fond bombé	Remplacement capillaire	Test Reniflage	Soudure ligne LD	Test radio/vidé ligne ID	Soudure soufflet	Soudure Bride 160	Détection globale circuit intérieur	Test global de l'enveloppe
58-1 (A)	Q6L1											
	Q5L1											
51-2	Q4R1						Week 05~07					
	Q5R1				Week 05~07	Week 05~07	Week 05~07					
	Q6R1							vide				
	Q6L2						Week 05~07					
	Q5L2						Week 05~07					
52-3	Q4R2											
	Q5R2*											
	Q6R2*											
	Q6L3*											
53-4	Q6R3	9~10/02	9~10/02									
	Q6L4							R+v				
	Q5L4	05~09/02	05~09/02									
54-5	Q6R4							vide				
	Q6L5*											
	Q5L5*											
	Q4L5							vide	06/02	06/02	Week 07	Week 07
55-6	Q5R5											
	Q6R5											
56-7	Q6L7	02/03										
57-8	Q6R7											
	Q6L8											
58-1 (B)	Q5L8											
	Q4R8											
	Q5R8											
	Q6R8*											

- Progress :
 - 2/27 completed: 7%
 - By tasks: 20%
- 3-4 :
 - 1 completed
 - 3/3 opened
- 4-5 :
 - 1 completed
 - 2/4 opened
 - Next 2 for 2nd time window

- 2-3 to start W10:
 - 4 SAMs (Q4,Q5,Q6R2+Q6L3) ; only one time window
 - 1 MQY (Q4R2) : Priorities from CRG and RP TBD
 - 2 are feasible ; perhaps 3 ... (4?)

- 1-2/5-6:
 - On-going
 - Not critical