

- Summary of all sectors arc and LSSs
- What remains ...
- Cryogenics instrumentation in LSSR1
- F 523 Contract

Work done by the whole MCS-IC section in collaboration with MCS-ET, MCS-SC, AT-MEL, AT-VAC, TS-IC, TS-SU, ... and IEG (F523 Contract) and especially :

LSSs (Including triplets)

~~DS~~

~~DFBA / DFBM~~

DFBL / Cryo ext / WRL

Arcs

Reporting

C Garion / I Slits

~~*P Galbraith / F Bertinelli / A Gastos Marzal*~~

~~*F Laurent*~~

I Slits

P Fessia, A Musso, M Struik, (1...7)

O Denis

Sector	status	Next step
4-5	Cool down in progress ; $T < 80$ K	Power test
3-4	<p>1) Vacsec status</p> <p>a) Leak in 7R3 confirmed on K-C' circuit but not yet localised</p> <p>b) Leak in 7L4 found after pressure test ($4 \cdot 10^{-5}$) ; on line E but not yet localised</p> <p>2) DSLC : Interconnection with DFBLC started this week DFBAF in stand-by</p>	<p>Localisation up to DSLC/ DFBAF IC (26/10)</p> <p>DFBAF opening For IC with DSLC</p> <p>AUG test on Friday (one day lost)</p>
5-6	All leaks repaired	Ball test ?
6-7	<p>Successful pressure test</p> <p>Detailed leak test to define necessary repairs</p>	Consolidation

Sector	status	Next step
2-3	<ol style="list-style-type: none"> 1) Vacsec status: 11 sectors leak tight. 2 with leak 10^{-7} mb l /sec 1 with leak 10^{-5} mb l /sec No major problem for pressure test ; 2) Q6L3 : interconnection with DFBMD is completed ; jumper Q6-QRL under closure 3) Activities on triplet 2R: PIM: installation partially released 	<p>Pressure test week 45.</p> <p>Triplet connection and closure for W45</p>
1-2	<ol style="list-style-type: none"> 1) Closure is on-going ; 4 sectors provided to VAC on line for closure on 7/11/2007 ; 2) Activities on triplet 2R: Cryogenics lines interconnection 3) Additional cryogenics instrumentation (see separate slide) 	<p>Closure for W45.</p> <p>PIM installation in d1/DFBX and jumper interconnection</p>

Sector status		Next step
7-8	<p>W closed everywhere Leak in DSR7 K-C' not yet localised</p> <p>Triplet 8 L : Pressure test today</p>	<p>LT up to W 45</p> <p>Leak on CM ?</p>
8-1	<p>Interconnection of SSS 1257 as planned Leak found on SSS80 at surface but not localised yet; presently under neon test</p> <p>Triplet 8R : LT OK for inner lines Triplet 1L : LT completely OK</p>	<p>LT of insulation vacuum</p>

Progress status of the LHC interconnections

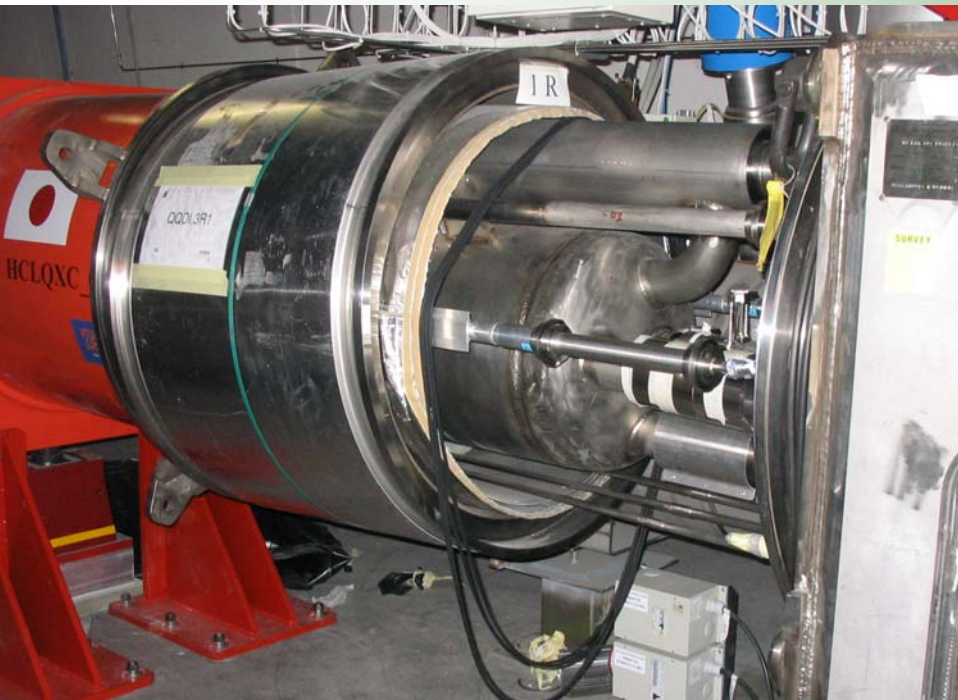
What remains

- SSS to be reinterconnected in 8-1
- A few closures in 1-2 + 2 in 2-3 (DFBA-Q7)
- Cryogenics extension in 2 L
- Triplets in 1R, 2L , 2R and 5L
- DSLC interconnections with DFBLC and DFBAF

All DFBNs are interconnected

- Inner triplet : Sensor to be installed in Q3/DFBX IC and port on Q3 cryostat
- Q4-D2 : IC is under opening for sensor to be installed in IC and port on Q4 cryostat
- DSLB : Sensor will be glued in Q4 jumper and port to be installed on jumper bellows
- DFBAB : DFBA door will be opened ; sensor will be glued HCM and port to be installed on DFBA vac vessel
- Q5/Q6 : no sensor

Supports provided : MCS/Ports to be installed : MCS/Sensor-cabling : ACR



Progress status of the LHC interconnections

F523 Contract

- * CODIR on 25/10/2007
 - Management of the end of the Contract
 - Activities in 2008 (in 4-5 mainly) :
 - * Reconnection of triplet 5L
 - * Warm-up so possible openings and replacement of PIMs
- * Transfer of tooling, components and knowledge is starting to building 183