



Cryomagnets Interconnections

- ❖ Sector 4-5 consolidation
- ❖ Samples for radioactivity verification
LHC-LI-EC-0001
- ❖ Quick interconnection overview
- ❖ The end ?



Interconnection cryostats repair

Sector	Repair of ICCs
1-2	Completed
2-3	Completed
3-4	Completed
4-5	Completed
5-6	At next warm-up - 3 units - Spare units to be built ?
6-7	Completed
7-8	Completed
8-1	Completed





Sector 4-5 consolidation (summary)

Sector 4-5 Consolidation			<u>Schedule</u>	Remark
1	Plug-in modules	IC under closure	Critical	PIM WG in W19
2	Photometer test	Completed	OK	Positive results / To be analysed
3	Y lines	IC closed	OK	Negotiations with Contractor
4	Helium guards	All repaired / under leak test	OK	In parallel with insulation vacuum test
5	Leaks	Repaired / under leak test	OK	
6	Triplet 5L		OK	Insulation vacuum under leak test
7	Q5R4	Closed	OK	Radial motion not yet understood
8	Connection Cryostats	Completed / under test	OK	
9	CC splices	Not critical	Done	
10	DFBs cables	Not to be done	NA	

***Completed according to schedule
33 ICs have been opened***



Insertion of Material Samples for the Experimental Verification of Induced Radioactivity

L Ulrici/ L Nicolas SC/RP

Engineering Change Request LHC-LI-EC-0001: approval closed

Comments in new version ; to be put on-line

In the interconnections (# 24) :

A set of samples :

- Non magnetic collars
- Stainless steel
- SC cable
- Polyimide





Quick IC overview

Sector	On-going
1-2	Flushing / Could reveal shorts
2-3	Cool-down
3-4	Cool-down on hold
4-5	Consolidation (End)
5-6	Cold
6-7	Cool-down
7-8	Cool-down
8-1	Cool-down

2 ICs to close:

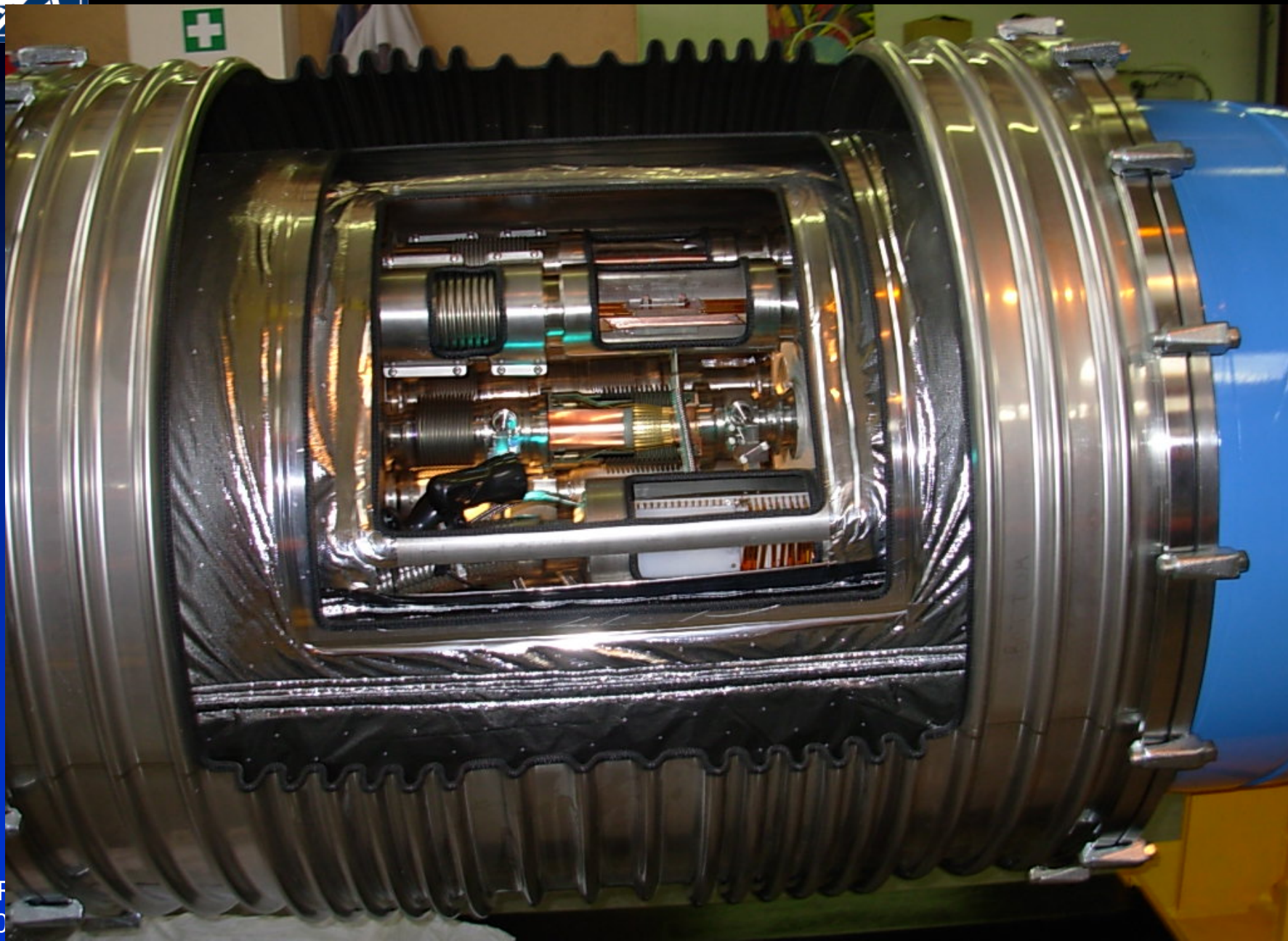
All in the sector 4-5
All LSS are closed (First)

Open points :

- * Flushing in 1-2
- * Possible short in 3-4
- * Consolidation in 5-6 (CC, PIMs)

LHC SECTORS OPENINGS FOLLOWUP																	
	1.2	2.3	3.4	4.5	5.6	6.7	7.8	8.1		1.2	2.3	3.4	4.5	5.6	6.7	7.8	8.1
	1R	2R	3R	4R	5R	6R	7R	8R		1L	2L	3L	4L	5L	6L	7L	8L
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Mock-up @ SMI2 :

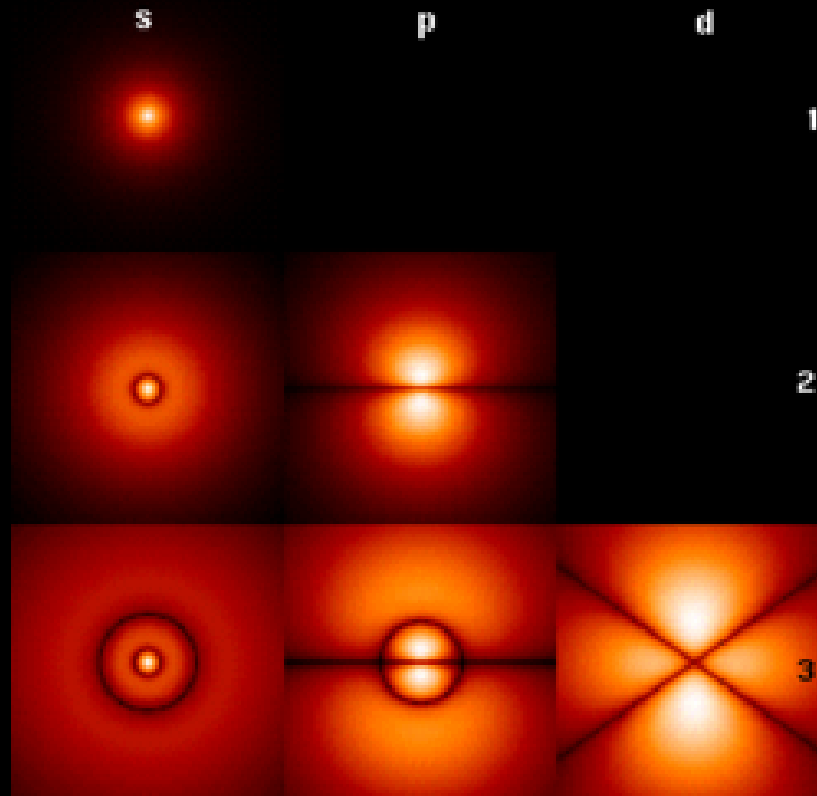


30 avril 1889 : Les ailes du Moulin Rouge tournent pour la première fois





30 avril 1897 : La découverte de l'électron est annoncée par le physicien britannique Joseph John Thomson.





30 avril 1993: le CERN fait une déclaration annonçant qu'un logiciel peu connu appelé World Wide Web est dans le domaine public.

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Geneva, 30 April 1993

W. Hoogland
Director of Research

H. Weber
Director of Administration





30th of april 2008: All the LHC interconnections are closed at the same time for the first time !

