

# **ME+1/1 Preparatory works**

V. Perelygin

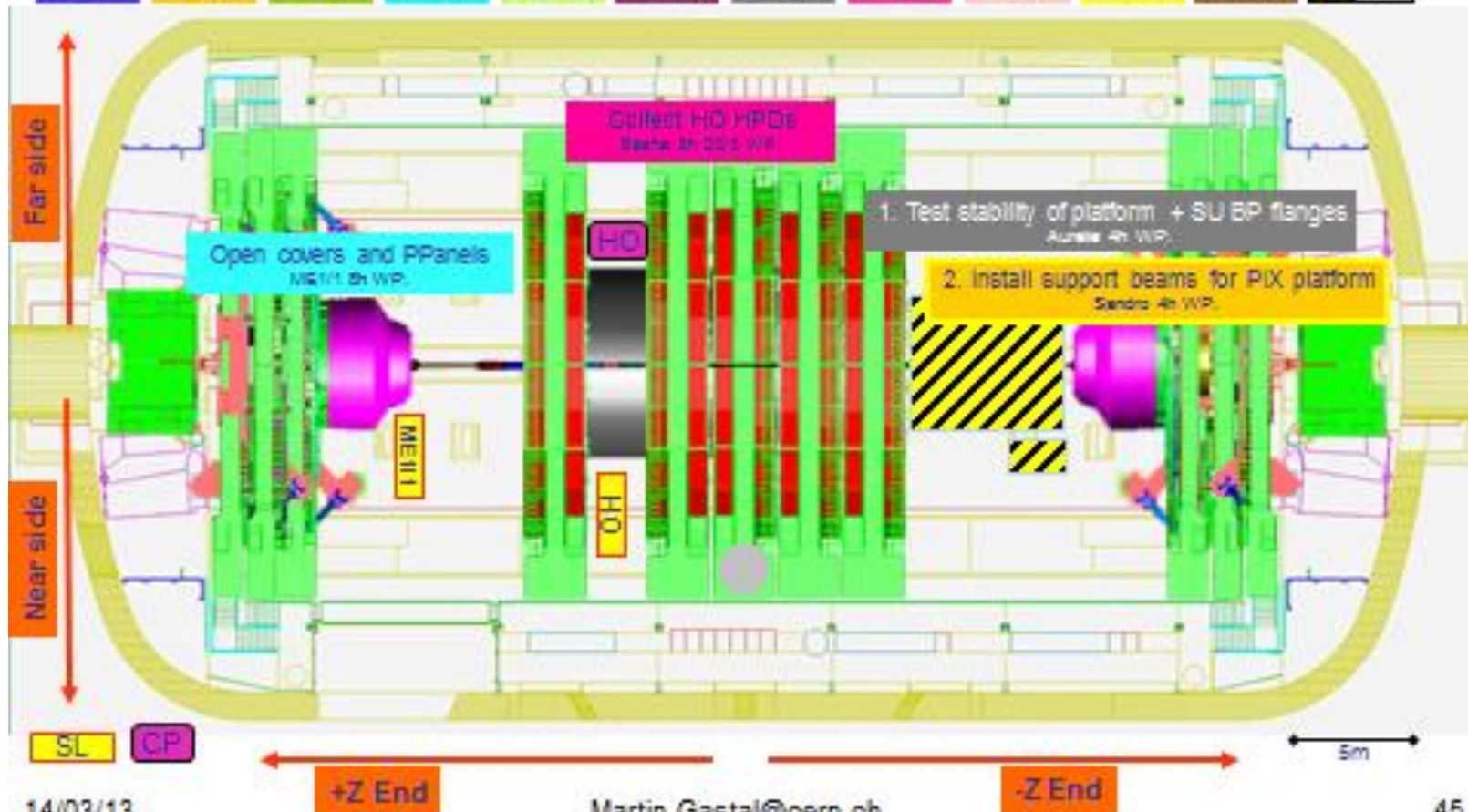
Availability of Services:

Fri Apr 5

Plug Open

Cryogenics	EL power	Water cool.	Database
IT	Magnet	C8F14	Gas

- ECAL
- CMX
- ZEC
- CSC RE
- DT+ RB
- TK FPIX
- Survey
- HCAL
- TE-VSC
- EN Dept
- GS Dept
- RP



14/03/13

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# ME1/1 Preparatory works on Endcap+ in LS1 schedule =20 days

182	<input type="checkbox"/> Prepare for ME+1/1 removal	20 days	05/04	03/05
183	Open covers and Ppanels	1 day	05/04	08/04
184	Extract alignment sensors	2 days	08/04	10/04
185	Disconnect services (gas, water, cables)	2 days	10/04	12/04
186	Install ducts for fibre optics	5 days	12/04	19/04
187	Install new patch panels	10 days	19/04	03/05
188	<input type="checkbox"/> Prepare for ME-1/1 removal	20 days	28/03	25/04
189	Open covers and Ppanels	1 day	28/03	29/03
190	Extract alignment sensors	2 days	29/03	02/04
191	Disconnect services (gas, water, cables)	2 days	02/04	04/04
192	Install ducts for fibre optics	5 days	04/04	11/04
193	Install new patch panels	10 days	11/04	25/04

1. Need to unseal the Endcap before we start
2. Extraction of alignment sensors – with Teresa's group
3. Endcap- schedule?
4. 05.04-09.04 work in parallel with HE+ WP 2057 ( "Remove CCMs")

## ME1/1 Preparatory works on Endcap+ Request

	Task name	Duration	Time	Man Power	equipment	Items to put on SX5
1	Alignment sensors dismounting	2 days	05.04-08.04	2	Cherry-picker	6 alignment sensors
2	Open P.Panels	1 day	09.04	2	Cherry-picker	Al covers
3	LV problem investigation	5 days	10.04-16.04	3	Cherry-picker	
4	Dummy ducts installation	2 days	17.04-18.04	2	Cherry-picker	
5	Disconnect services	1 day	19.04	2	Cherry-picker	Cu Pipes
6	Disconnect cables	1 day	22.04	2	Cherry-picker	Cu Pipes
7	Old P.Panels removal New P.Panels install. (partly)	6 days	23.04-30.04	2	Cherry-picker	Fe P.Panel boxes and details
8	LV cables clamps crimping	3 days	01.05-03.05	2	Cherry-picker	No

# ME1/1 CSC having LV problems

please, take a note of the list of ME11 chambers that have had a problem with 7 V LV:

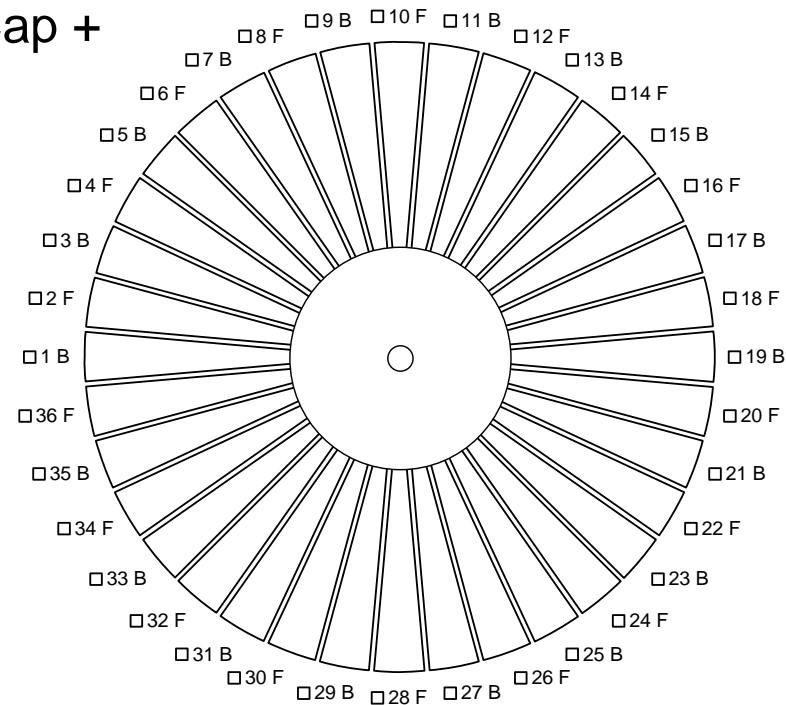
1. ME+1/1/03 digital was OK before opening.
2. ME+1/1/06 digital.
3. ME+1/1/24 digital was OK before opening.
4. ME+1/1/26 analog.
5. ME+1/1/29 digital was OK before opening.

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6. ME-1/1/03 digital.
  7. ME-1/1/15 digital.
  8. ME-1/1/22 digital.
  9. ME-1/1/30 digital.
  10. ME-1/1/31 analog.
  11. ME-1/1/32 digital.

Don't touch the patch panels with cables of these chambers.

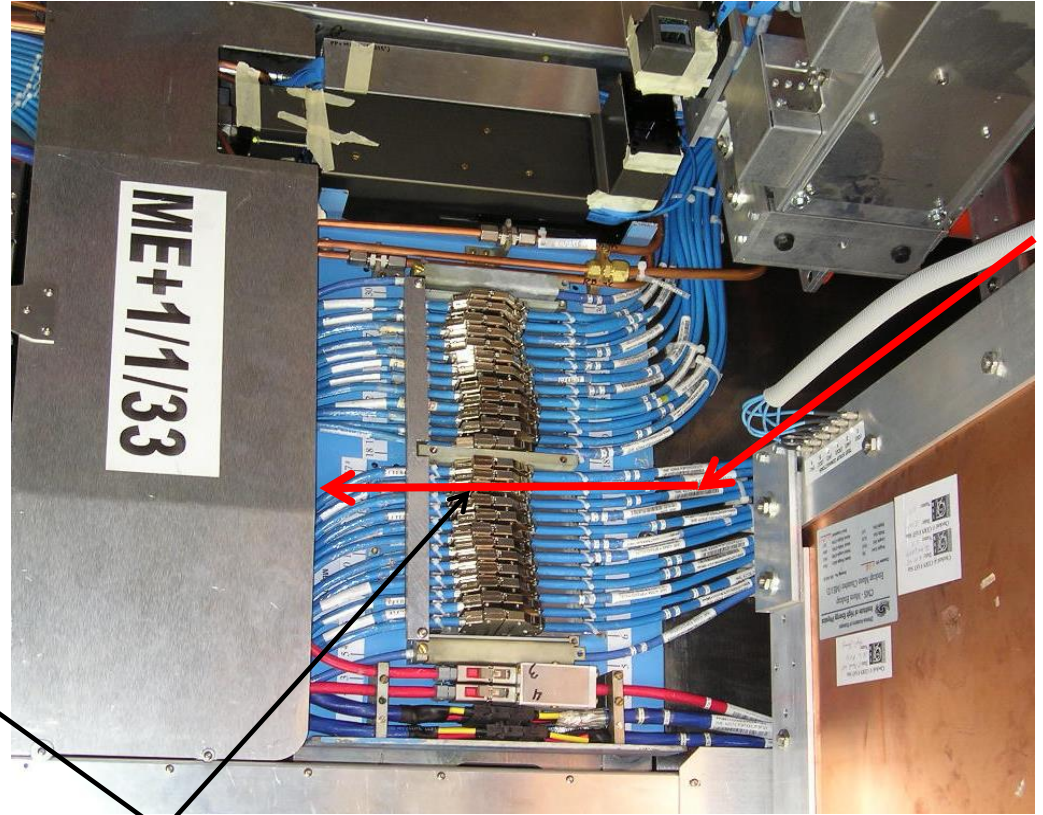
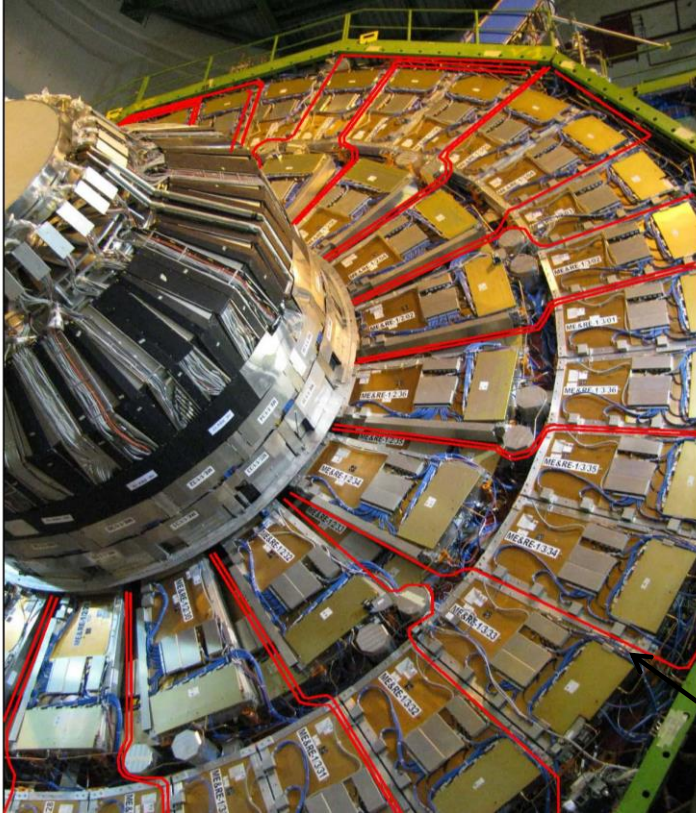
Misha

EndCap +





# ME1/1 optical cables routing



Optical cables layout

# ME+1/1 Work Package 02104

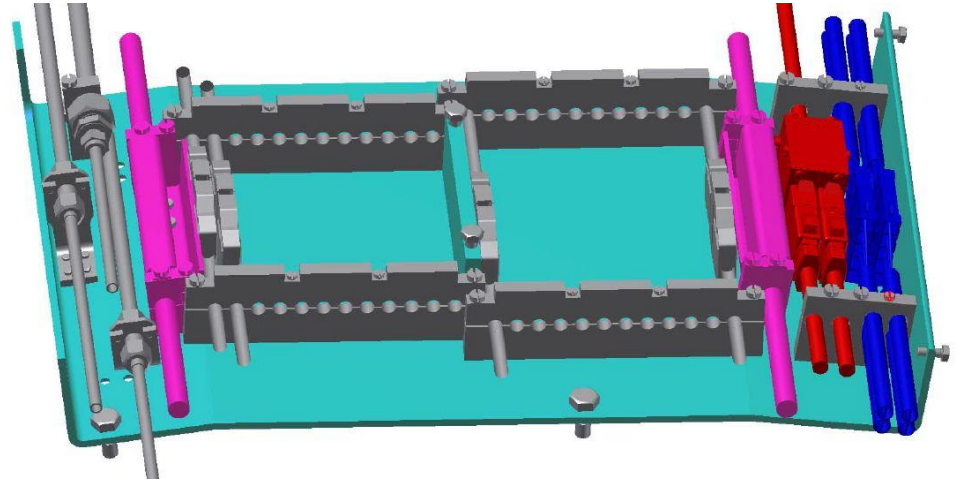
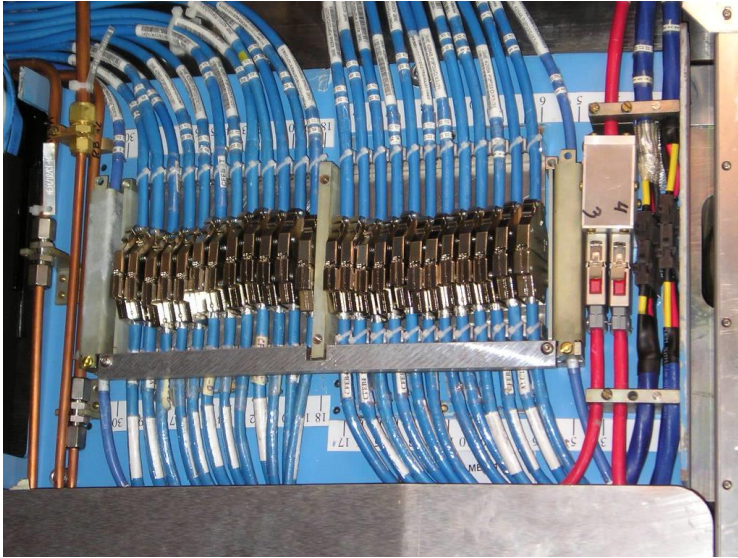
<b>WP ID</b>	02104		
<b>Title</b>	ME+1/1 Preparatory works		
<b>Nature</b>	Upgrade		
<b>Priority</b>	Desirable		
<b>WP description</b>	ME+1/1 Preparatory works: Cables and servises disconnection, alignment sessors dismounting, P.Panel installation		
<a href="#">Edit</a>	<b>Foreseen impact</b>	Work in parallel with HE+ WP 2057 ( "Remove CCMs")	
	<b>Schedule preference</b>	Any time	
	<b>Work time</b>	Normal working hours (Mon-Fri, 08:30-17:30)	
	<b>Preferred start date</b>	05/04/2013 AM	
	<b>Foreseen duration</b>	30 days	
	<b>Simultaneous access required</b>	6 people (11 names listed in total)	
	<b>Personnel</b>	KURENKOV Alexander (Supervisor)	165448
		PERELYGIN Victor (Creator)	162185
		CALVO ALAMILLO Enrique (Field Crew)	
		GOMEZ Gervasio (Supporting Expert)	
<a href="#">Edit</a>		IGNATENKO Mikhail (Supporting Expert)	164652
		KALYASKIN Alexey (Field Crew)	161229
		KARJAVINE Vladimir (Supporting Expert)	164233
		LEVCHENKO Petr (Supporting Expert)	160537
		PERELYGIN Victor (Supporting Expert)	
		RODRIGO Teresa (Supporting Expert)	162030
		ULYANOV Nikolay (Field Crew)	161227
<a href="#">Edit</a>	<b>Magnet State</b>	Off	
	<b>Location</b>	ME+1/1 Ring	
<a href="#">Edit</a>	<b>System</b>	ME+1/1 Patch Panels (*)	

# Backup



# ME1/1 Patch Panel

Old ME1/1 Patch Panel



New ME1/1 Patch Panel

