

CGEM-IT Status and Plans

Upgrade Meeting - 2024/10/14

Last week

Activity	Mo	Tu	We	Th	Fr	Sa	Su	Mo
	7-Oct	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct
Long rail removal	█							
MDC shielding installation	█	█						
Sealing MDC west side	█	█						
Laser measurement			█					
Cables and electronics prep & moving	█	█						
Connect electronics to cooling		█	█					
Prepare Electronics test setup	█	█	█					
Short haul cable preparation (parassitic)		█	█					
LV and DATA cable routing and testing				█	█	█	█	
Contingency								█

Every task completed on schedule. Some details in the next slides

LV cabling

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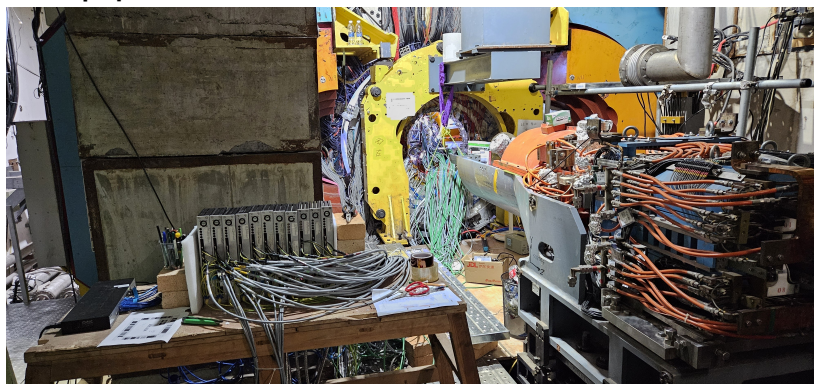
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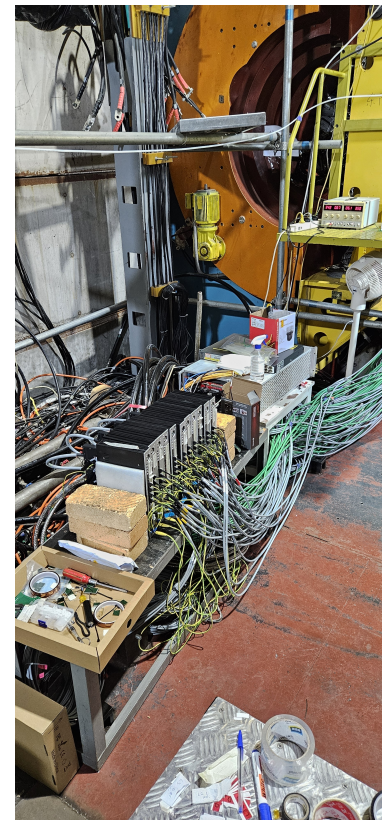
We cabled and tested all the FEBs
on both ends. All 80 FEBs ok

GEMROCs in temporary position.

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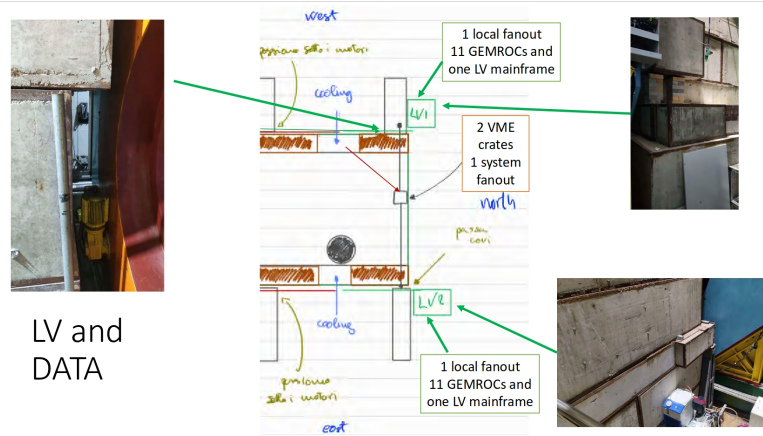


LV cabling

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GEMROCs will be host on the north side of the experimental hall.

Two platform were build last week.
Finished on Oct 11.

West needs some modifications that
will be done later.

This week plan

Activity	Mo 14-Oct	Tu 15-Oct	We 16-Oct	Th 17-Oct	Fr 18-Oct	Sa 19-Oct	Su 20-Oct	Mo 21-Oct
Preliminary gas system setup and test	Blue bar							
LV moving outside		Cyan bar						
HV inspection	Green bar							
HV cabling		Bright green bar						
HV cabling contingency						Light green bar		
Noise assessment	Orange bar							
Power on						Brown bar		

LV moving outside will shift based on the arrival of the cable holders.

Jinyu is helping with this, last interaction this morning.

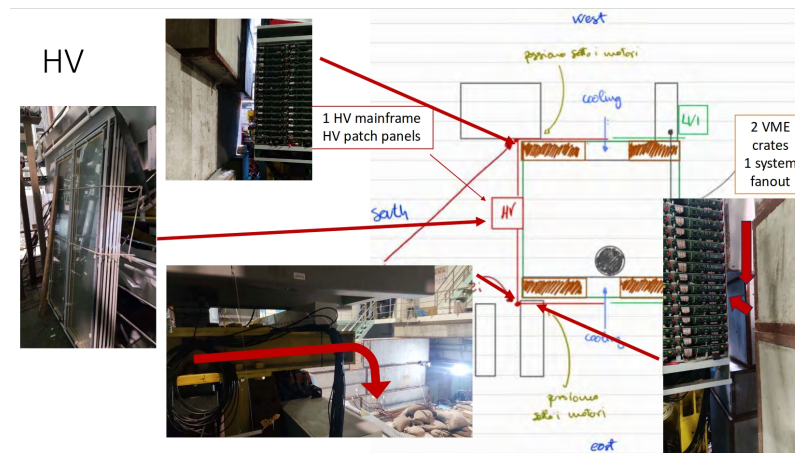
HV cable holders will be needed. Drawings in preparation.



HV cabling

We are planning to start the HV cabling tomorrow.

This afternoon we will place the first cables to check that the path discussed with Mingyi is fine



We place the rack in our ideal position, we can discuss later if movements is needed.
Doors were moved nearby



Gas system

- Last week we met with Xiaolan
 - She showed the system. At present, the system is setup as if there were only one gas volume
 - We want to run each detector separately, i.e. three independent gas volume. Some additional work (also buy material) is needed
- Meanwhile, we need support from Xiaolan to setup and understand how to use the present configuration to put the detector in the operating gas mixture in this temporary situation
 - One line in, one line out
 - Tested and safe
 - Operating with a control system that we can use