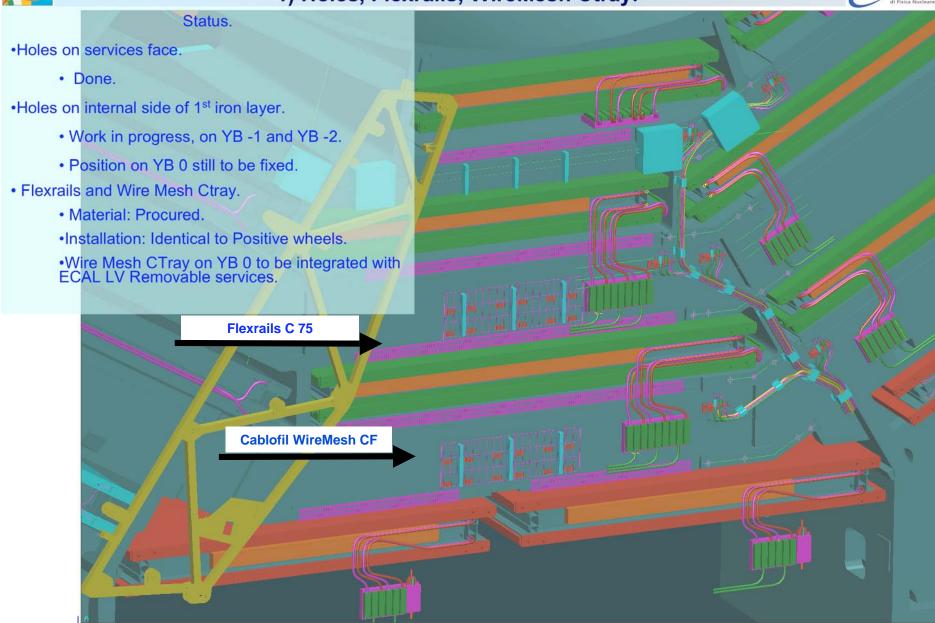


Status Radial Services and cable tray on YB Ø Neg. side and YB -1; -2. 1) Holes, Flexrails, WireMesh Ctray.







Status Radial Services and cable tray on YB Ø Neg. side and YB -1; -2. 2) HV LV Interface panels and ancillaries.



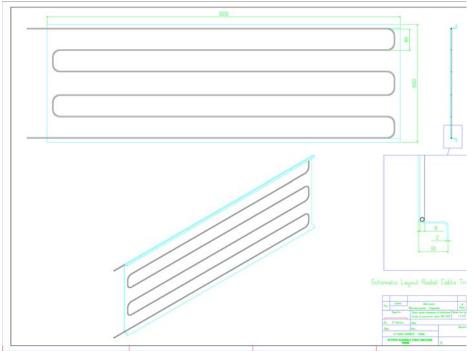


HV PP and LV PC Box Panels drawings ready. (quantity to be checked)

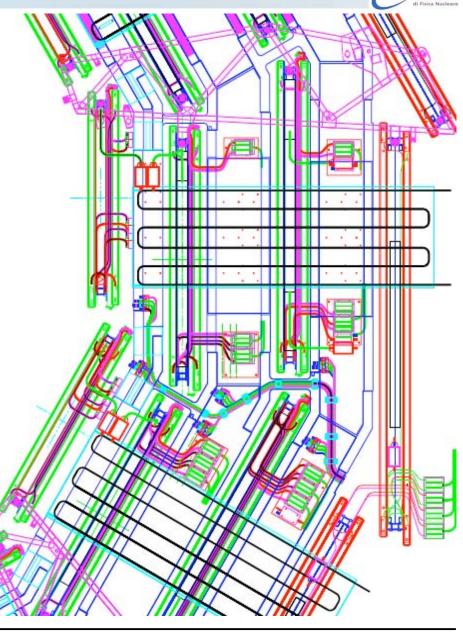
Only MB3 panels are different from positive wheels.



Status Radial Services. Thermal Screen



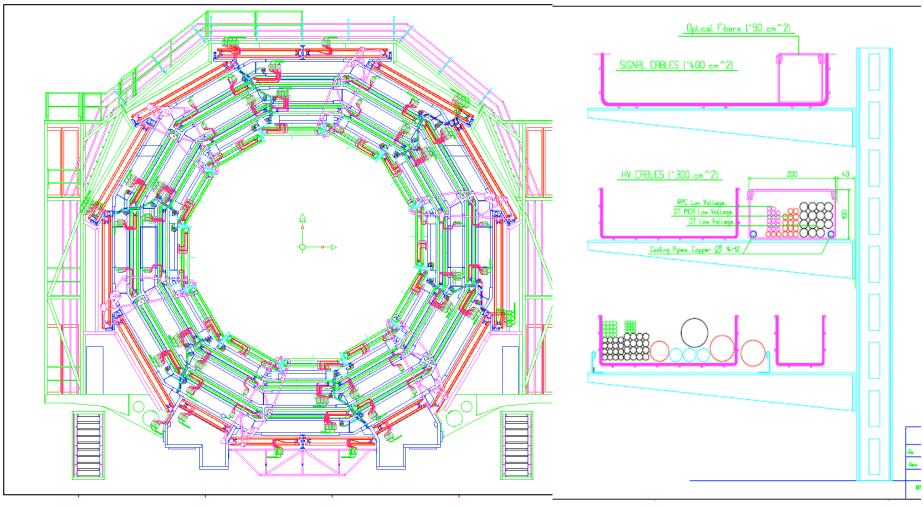
- ➤Integration with ECAL LV Removable service on YB 0 still pending.
- ➤ Prototype design and manufacturing studies in work for all the mobile wheels.





Periphery Cable tray on YB -1; YB -2





Layout identical to YB +2; YB +1.

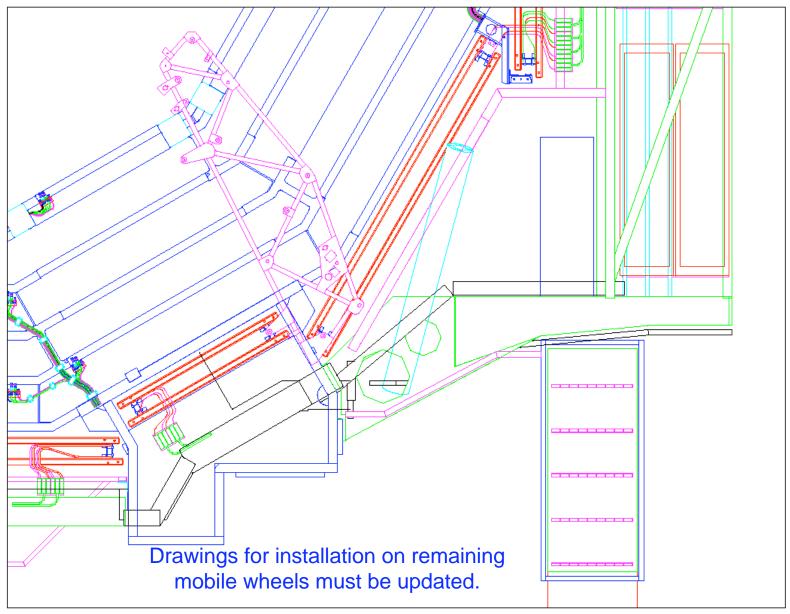
Details on Optical fiber from periphery to radial section in work. (MR)

Periphery cable tray on YB 0 to be integrated with general services routing.



Periphery cable tray feet region

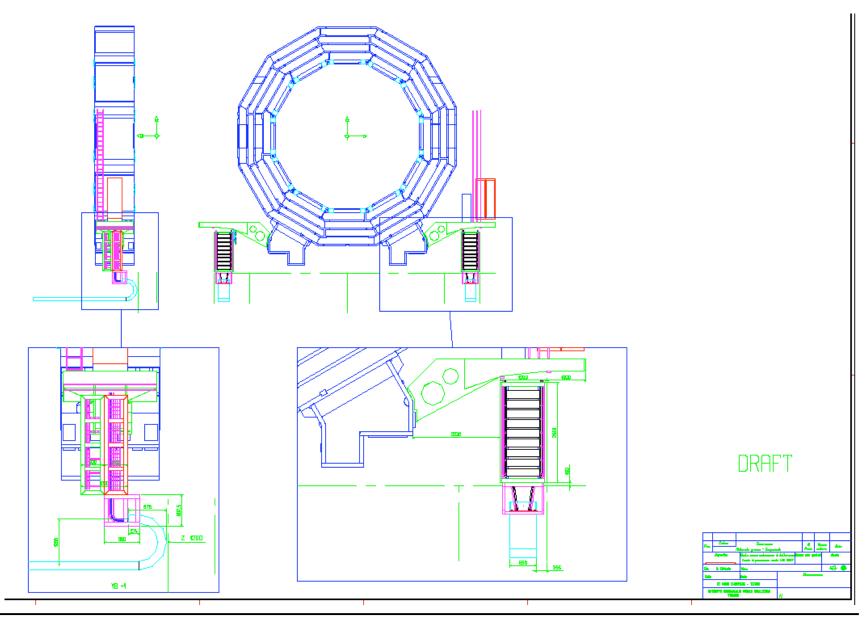






Feet Patch Panels I







YB Feet Patch Panels. Internal Layout



Remarks

M. Pegoraro E. Borsato

L. Modenese

S. Akhtar

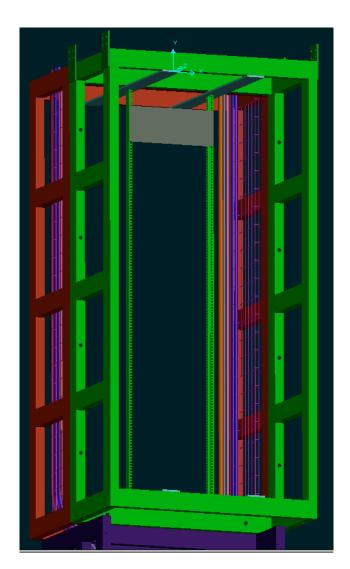
A. Ranieri

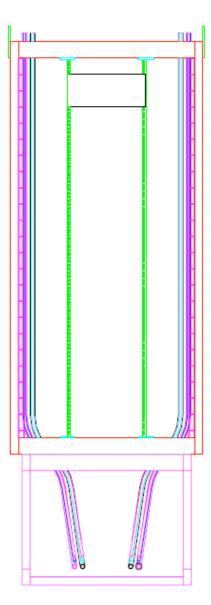
D. Dattola

0 cables, TOTAL ~ 75 cm2

EDQUESTED: min. is 120°700 SIGNED: 200 x 450 (to be agreed)

dice 300mm high was requested but 200 mm should be sufficient to satisfy the worst case. To be verified and agreed with RPO group.





NB cables aren't Foot Patch Panel YB+2 - near side (x>0) updated here Patch Panel Type of Hight cables person name Free to cross HV.LV.sgn.fiber max RB fibres K. Doroba 450 200 P. DeBarbaro LV, egn, fores Assuming to 46V service cab4LV crate, for FD LV dri cab1+1s LDC LV dri cab1 per tower. It's over-dimensionated waiting for the design. A. Ranieri RB LV 300 LV, sgn 6 30 D. Piccolo C. Willmott

100 300

200 450

100 300

300 450

150

2100

max

450

<u>20</u> 73 <u>20</u> 73

50 35 6 55

RB.HV

pipes

MB LV

MB HV system LV. sgn

AC power in 220AC, sgn ?

- * RED numbers are very guessed because I'm waiting specification from responsible person
- BLUE numbers are still under discussion
- * It's responsibility of each User to cross-check this proposal.
- Compacting the width of your patch panels will permit a better storing of extra lengths of your cables!
 The position of the User's Patch Panels inside the structure could change, whether needed or requested!
- * Some Patch Panels will share the space for extra-lengths storage (see PP grouped by the the bracket ()

NB cables aren't updated here

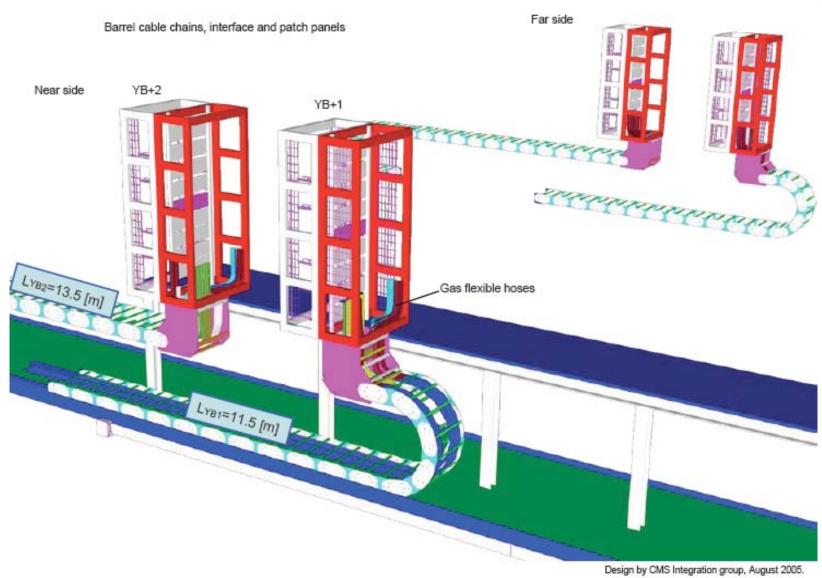
Fablo MONTECASSIANO INFN PD @ PH/CMM

25.04.2005



Feet Patch Panels II

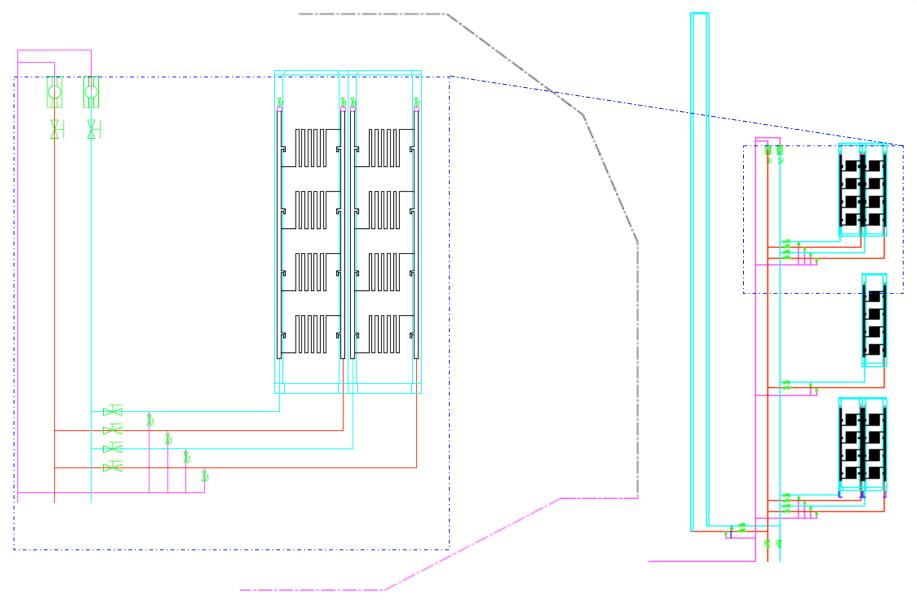






Racks Cooling II

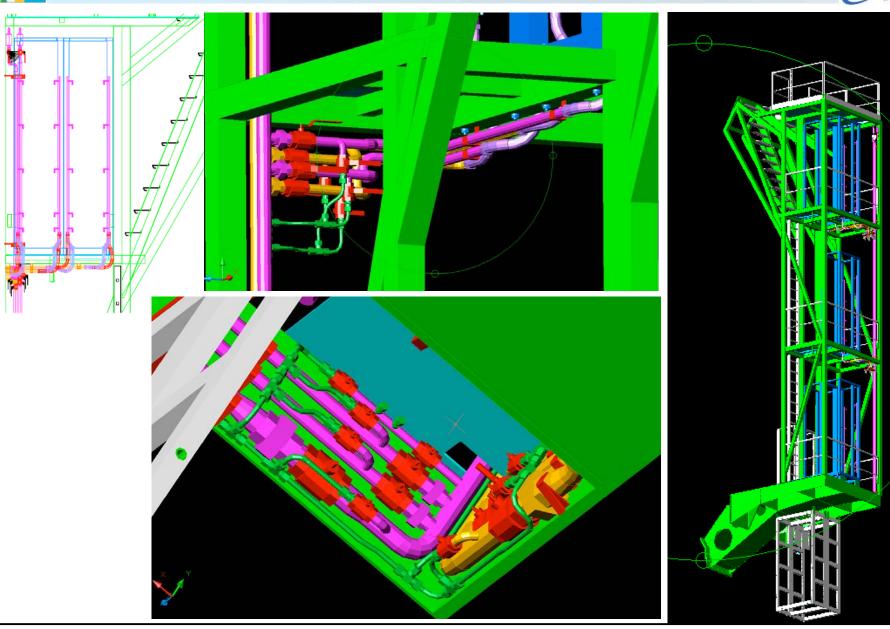






Racks Cooling II

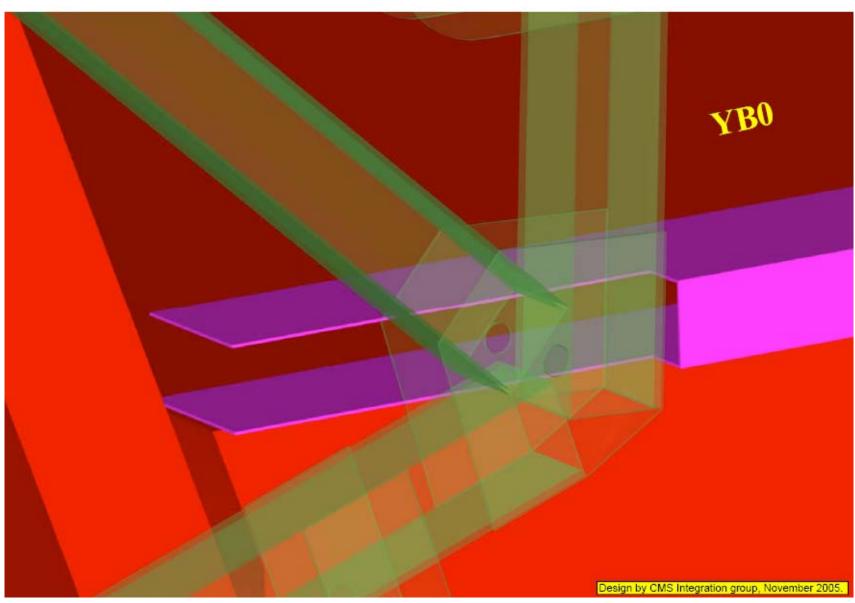






MAB-HO Interference I

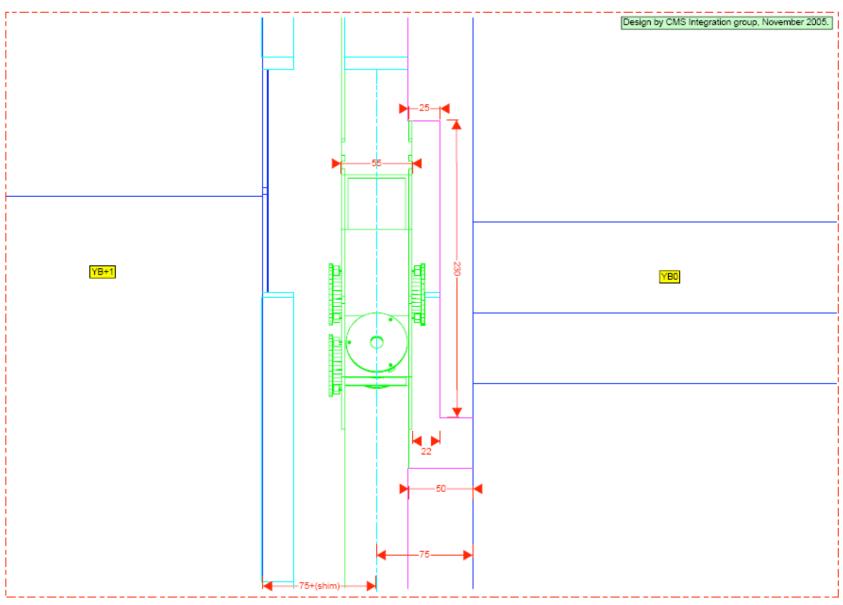






MAB-HO Interference II

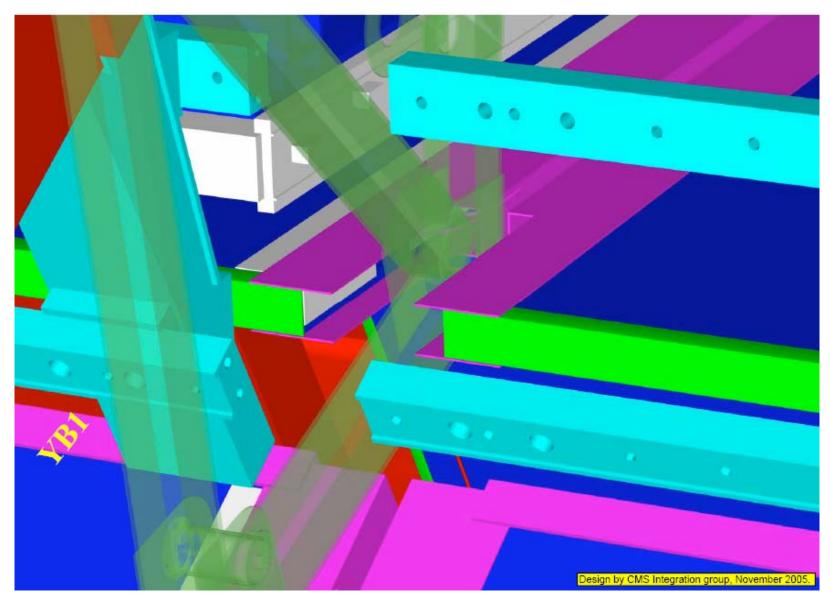






MAB-HO Interference III

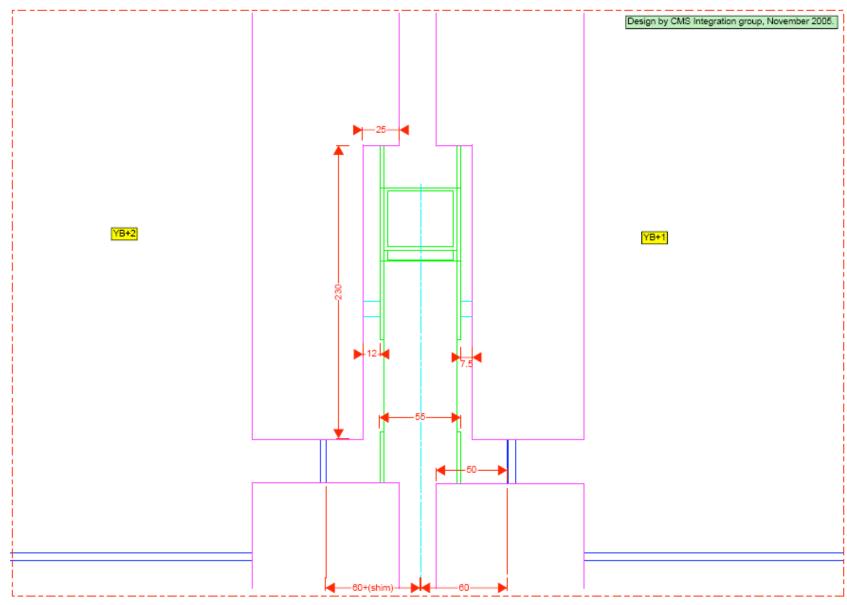






MAB-HO Interference IV

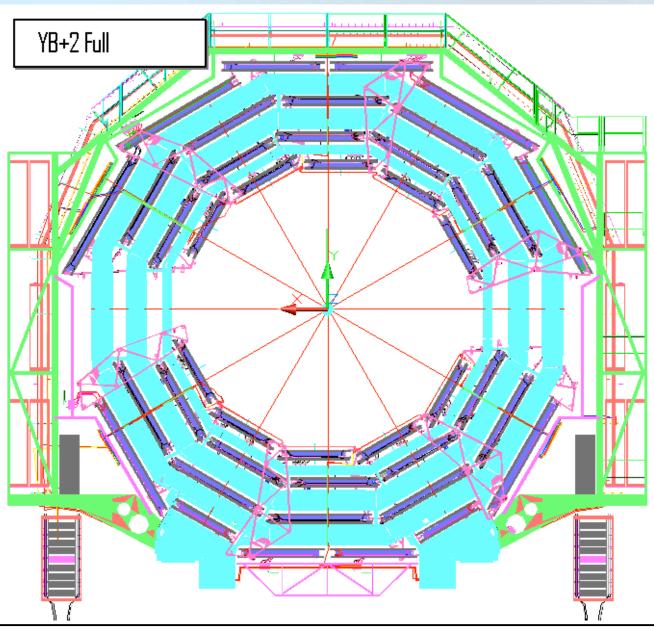






HO Services YB 2 Full

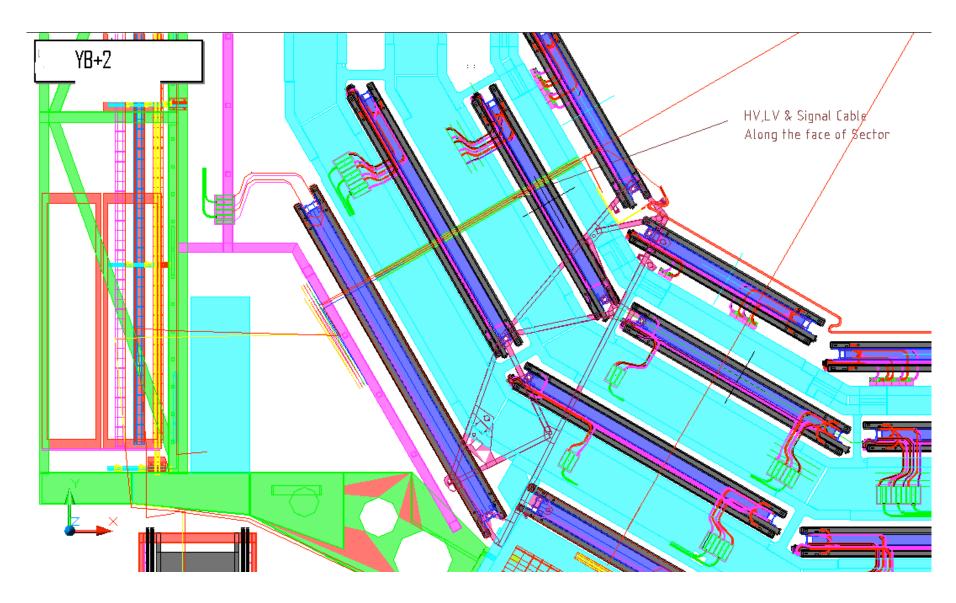






HO Services YB 2 5 12

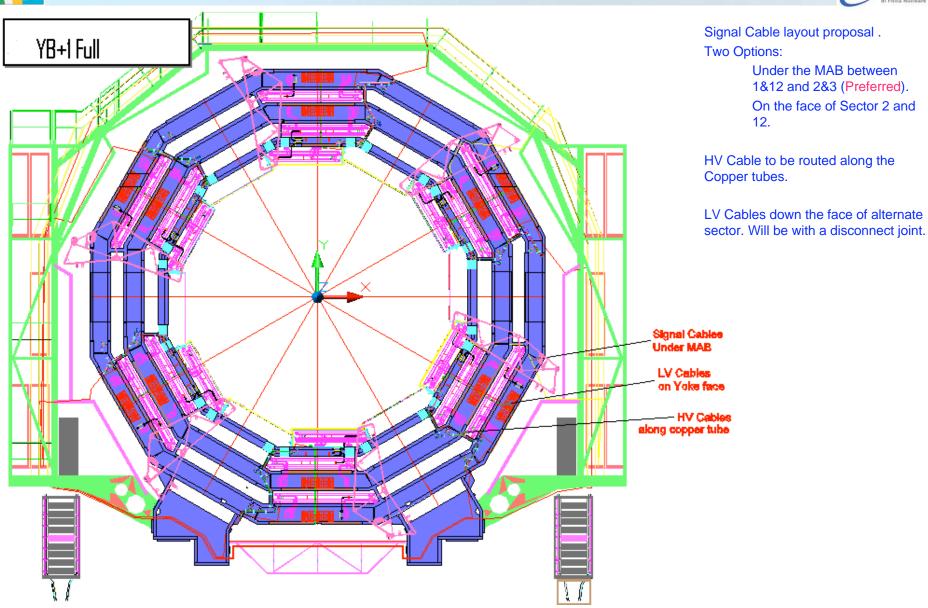






HO Services YB 1Full

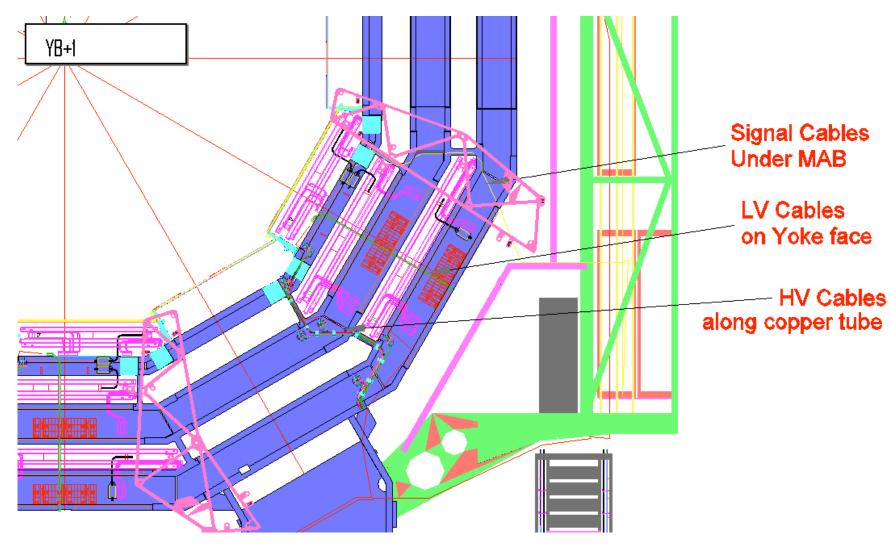






HO Services YB 1 5 12

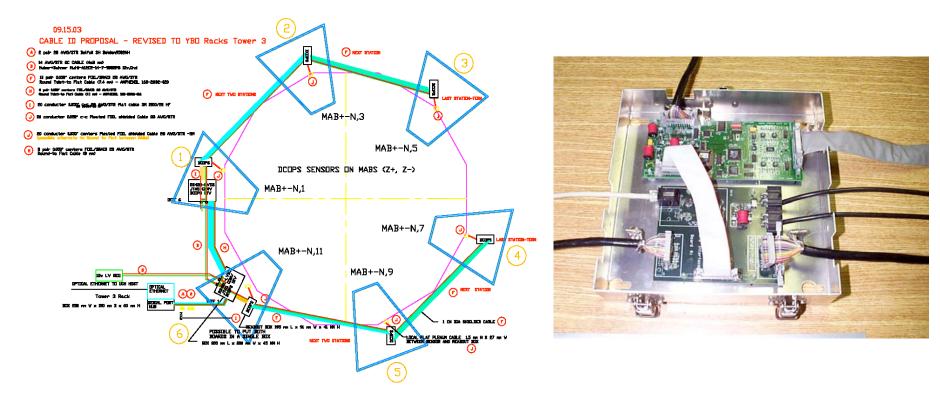






Alignment. Interface Boards. Position on YB.



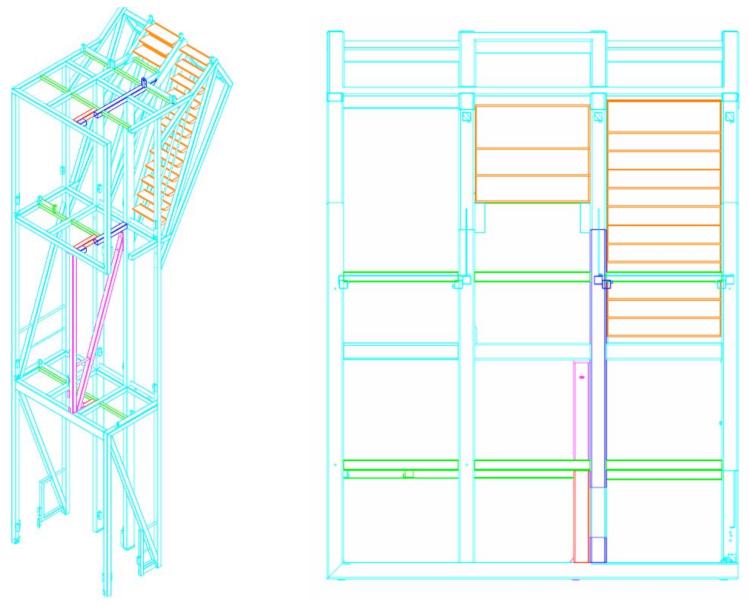


Position to be defined.



YB 1 Tower modification.



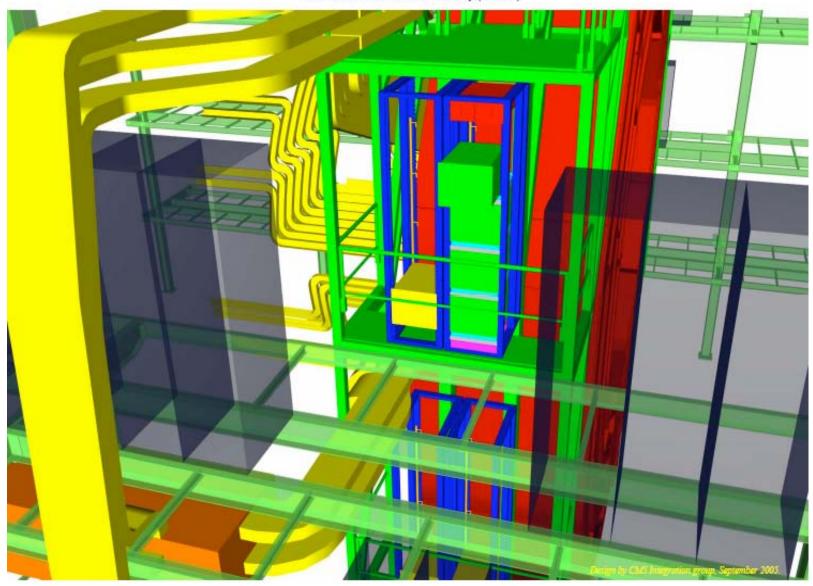




Racks orientation on YB 0. Proposal (GF)



YB0 Racks oriented to the balcony (far side)





Open items list MB (not complete) (GW Faber)



- Muon barrel DT/RPC and services integration
 - Design services fixation in the removable sectors
 - Design combined cooling panels for MB and removable services
 - Clear interferences between permanent installed services and the as build DTs
 - Sharing of services cable trays on the periphery of CMS
 - Adapt cable length to include the experience of YB 2 cabling (cable storage)
 - Validate rack orientation, rack cabling and crate removal in the towers
 - Special requirements in sector 1 and 7 for detector lowering into UX
 - Cabling mechanics and storage at the racks on UX balcony and Patch panel
 - Alignment system Z cameras and MAB position / protection. (Full Z extend)
 - MAB position in Z and protective covers
 - HO services integration with the Muon system
 - Routing of HO services, in particular the optical fibers
 - Placement of the HO readout boxes