

# Plans for Installation

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A. Benvenuti  
INFN Bologna

## Chamber Assignment for the first Installation

	YB + 2				
Sectors	+8	+9	+10	+11	+12
Services	Left (ZpB)	Right (ZpA)	Left (ZpB)	Right (ZpA)	Left (ZpB)
Chambers	MB1P	MB1P	MB1P	MB1P	MB1P
Chambers	MB2P22	MB2P23	MB2P24	MB2P17	MB2P26
Chambers	MB3P08	MB3P10	MB3P12	MB3P14	MB3P16
Balance B	Right	Right	Right	Left	Left

YB+2 is expected to be ready in the week of January 19th at the earliest.

The chambers should be ready modulo last minute disasters

## Chamber Assignment for the first Installation

### YB +1

Sectors	+8	+9	+10	+11	+12
Services	Right(ZpA)	Left (ZpB)	Right(ZpA)	Left (ZpB)	Right (ZpA)
Chambers	MB1P	MB1P	MB1P	MB1P	MB1P
Chambers	MB2P25	MB2P20	MB2P19	MB2P18	MB2P21
Chambers	MB3P24	MB3P04	MB3P28	MB3P18	MB3P30
Balance B	Right	Right	Right	Left	Left

It should take 5 weeks to complete the gas and cooling installation on YB+1. Expect it ready at the beginning of March.

YB-2 should be ready at the end of January. Could install sectors 8 and 9 if RPCs are ready

## Chambers Needed for First installation

YB+2, YB+1, YB-2 Sector 8,9

	DT Type								Total Need
	ALL		Left		Right		Unisex		
	Need	ISR	Need	ISR	Need	ISR	Need	ISR	
MB1 P	10	14	5	7	5	7			12
MB1 M	2	6	1	3	1	3			
MB2 P	10	18	5	7	5	8			
MB2 M	2	10	1	4	1	3			12
MB3 P	10	15	5	8	5	7			
MB3 M	2	10	1	5	1	5			
MB4/9,11							5		5
MB4/10		1	2		2	1			4
MB4/8,12			2		3				5
<b>Total</b>	<b>36</b>	<b>74</b>	<b>22</b>	<b>34</b>	<b>23</b>	<b>34</b>	<b>5</b>		<b>50</b>

Notes:

Urgent repair work needed on MB1s

Alignment procedure, dressing and repairs needed for MB4s

## Chambers Needed for Second installation

YB 0 Bottom and Top, YB-1 Sector 8,9

	ALL		Left		Right		Unisex		Total Need
	Need	ISR	Need	ISR	Need	ISR	Need	ISR	
MB1 P	5	4	3	2	2	2			12
MB1 M	7	4	3	2	4	2			
MB2 P	5	7	3	4	2	3			12
MB2 M	7	8	3	4	4	4			
MB3 P	5	5	3	3	2	2			12
MB3 M	7	8	3	4	2	4			
MB4/9,11							3		3
MB4/10			1		1				2
MB4/4							2		2
MB4/1-3, 5-7			1		3				4
MB4/8,12			1		2				3
Total	36	36	3		6		5		50

Numerically the chambers are there but huge amount of work to get them ready ( MB2 with “bad” HV boards are included)

# Summary

- MB2 and MB3 are “ready” for YB+2, YB+1 Bottom and YB-2 Sectors 8,9 pending decision on last minute disasters.
- Repair and re-testing work needed for MB1s, planning is needed to minimize interference with other tasks.
- Another alignment campaign is needed to allow HV/gas cabling on chambers at the ISR:
  - ⇒ Start January 14th at 4 chambers/day completed by end of January (40-45 chambers)
- Interference with installation work, but can delay to end of January. Technical help needed at least 2 ~full time persons

## Summary

- We probably will be asked to do YB 0 installation before the services are installed.
- It will be difficult to keep the chamber dressing on schedule given the current backlog of chambers to repair and new chamber to test ( 18 by mid January).
- Additional tasks are creeping in:
  - HV test of patch panels
  - Patch panel preparation (close with Mylar foil and silicon) and rewiring (MB1 Phi SL)
- Additional Physicists (full time on a weekly basis) and technicians are needed to maintain the pace.