

CIEMAT STATUS REPORT

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Muon Week April 04

Production Status at CIEMAT

	MB2 (#chambers)	MB4 (#chambers)
Complete SL's Mechanically	44	6
Tested	40	6
Complete Chambers	38	6
Chambers at CERN	38	6

The assembly of complete chambers is stopped because there are not honeycomb pannels available at Madrid

We will receive more pannels by 6th May

Other news

- The HV springs have been installed in both Ibeam sides in the last SLs assembled at CIEMAT
- We plan to assemble chimney chambers in July
(Plates will arrive to CIEMAT in June)




The drawing with RPC Pads location is needed

Chambers to be installed in YB+2

HVB Status

- 5 MB2 + 2 MB4 chambers at CERN
 - 16 ch HVBs → Improved
 - 8 ch HVB → Last batch "cooked"
 - 20 ch HVB → Waiting for replacement (5 □SLs)

- 3(4) MB2 chambers being assembly at CIEMAT
 - 16 and 20 ch HVB → Improved
 - 8 ch HVB → Last batch "cooked"

 To be shipped at CERN in June

- To be done: ➤ Replace 20 ch HVBs at CERN

No date yet fixed

- Replace all 16 and 20 ch HVBs of 1(2) chambers to complete YB+2

This summer

HVB & Future

- HVB available at CIEMAT
 - Improved: 16 and 20 ch
for Chambers 46-49 (Up to end of May)
 - Recycled from CERN chambers
 - 16 & 20 ch: For chambers 50-54 (55) (Up to end of September)
(few more extra 20 ch “cooked” available)
 - 8 ch “cooked” HVB: ONLY UP TO CHAMBER 50!!!

If we don't want to stop the tests at CIEMAT in June
we must to recycle very old 8ch HVBs

Few boards available & bad quality
(worse than for 16 and 20 ch boards)

HVB & Future

- After chamber 55 (~ Sept – Oct) the only possibility of not stopping the tests at CIEMAT will be to use the rejected old HVBs
 - More HV problems expected.
 - Few 8 ch HVBs (number to be checked).

Considering the availability of new HVBs and the production rate at CIEMAT

Most of chambers (~60) will have been produced at CIEMAT using "bad" HVBs
HVBs must then be replaced at ISR for all these chambers.

→ 100 working days (5 months) + Tests (at CERN)

