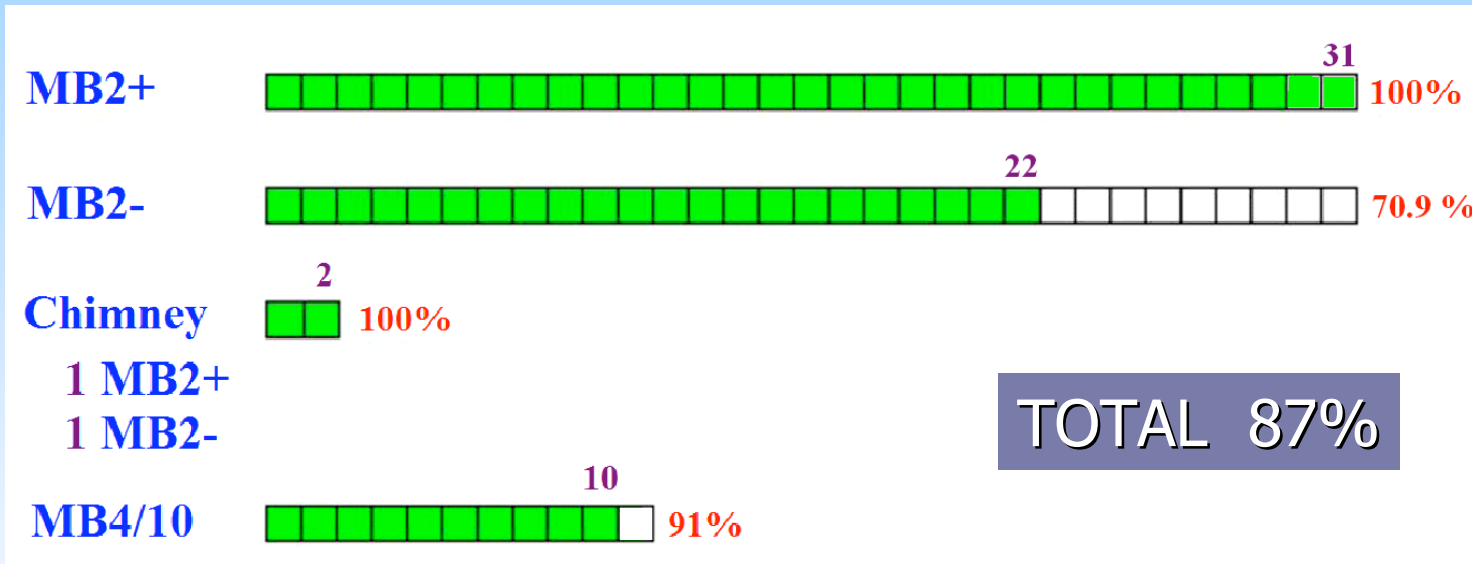


CIEMAT STATUS REPORT

Mary-Cruz Fouz
CMS Week September 2005

Chamber Status



SL's Tested: Up to Chamber 66 → 88%

SL's Mechanically finished:
ALL Theta Sls assembled
Phi Sls up to Chamber 72 → 96%

Total numbers include spares

Status of Chambers at CERN

Number of chambers at CERN: 59

CIEMAT chambers with "final" HVboards

- ✓ 10 MB2 + 2 MB4 chambers for wheel YB+2
- ✓ 10 MB2 + 2 MB4 chambers for wheel YB+1
- ✓ 10 MB2 + 2 MB4 chambers for YB0
- ✓ 7 MB2 + 2 MB4 chambers for YB-1
- ✓ 2 MB2 + 2 MB4 chambers for YB-2
- ✓ 1 MB2 (not yet assigned to a wheel)

Chambers to be equipped with new HVB's: 5 (2MB2-, 3MB2+)

Spare Chambers: 4

5 more chambers (3MB2-, 2MB2+) at CERN after CMS week

2 weeks of delay because the crane broke on July

Chamber 10.

HV boards changed several times

```
CHAMBER_TYPE: MB2- SERIAL: 10 351030100700010 TYPE_A
                                     351030100800010 TYPE_B

PHI1 SERIAL 19 351030200300019
THE SERIAL 10 351030200400010
PHI2 SERIAL 20 351030200300020

TIME_CONSTANT PHI1 314 1003
TIME_CONSTANT THE 676 1003
TIME_CONSTANT PHI2 203 1003

02 PHI1 <50 0302
02 THE <50 0302
02 PHI2 <50 0302

HV_DISCONNECTED PHI1 STRIP C04 L3 0302 Strip sparks at 1800V in gas
HV_DISCONNECTED PHI1 WIRE C04 L3 0302 Problems Strip
HV_DISCONNECTED PHI1 IBEAM C03 L4 + 0302 After some time appears problems on gas

HV_DISCONNECTED THE STRIP C33 L4 0902 Sparks in gas
HV_DISCONNECTED THE WIRE C33 L4 0902 Problems Strip
HV_DISCONNECTED THE IBEAM C33 L4 +- 0902
```

Comments:

- * Strange timebox C50L4 SLphi2 : Ibeam problem? (0802)
- * **HVB CHANGED for new good ones (0902)**
- * 3 HVB found bad and replaced for new ones (0403)
- * SC OK (1003).

==> August 2005: NEW HVBoards

Summary

- Only 6 phi SLs to finish the mechanical assembly of SLs
→ End expected by October-November
- 64 Chambers at CERN by the end of September
→ Next shipment by the end of November
→ LAST shipment ~February 2006
- 5 MB2 (+ 4 Spares) still with old HV boards at CERN