

A spiral-bound notebook with a brown cover and a white page. The spiral binding is on the left side. The text is centered on the page.

CIEMAT STATUS REPORT

M.C Fouz

CMS Week Sep03

Mechanical assembly of Superlayers

- Going really smooth

It has become routine work

No major technical problem happened in the last year

- Production rate could be increased

No need of it. We will finish according to the schedule with reasonable contingency.

- Availability of SL components looks OK

Only possible surprises when close to finish production
CHECK NOW !!

Superlayer Testing

- Going on at "nominal speed"

Difficult to speed up here

- No rejection failures in HVB's which have been "cooked" following the agreed procedure (13 SL tested)

HVB's stand HV for a few days without apparent problems

We are concerned about possible failures after a long term HV test or during operation in CMS ...

- We started to include Slow Control testing at CIEMAT

If there is a detailed protocol to follow, please let us know.

9 SL tested up to now and no problems found (not the same

Production Status

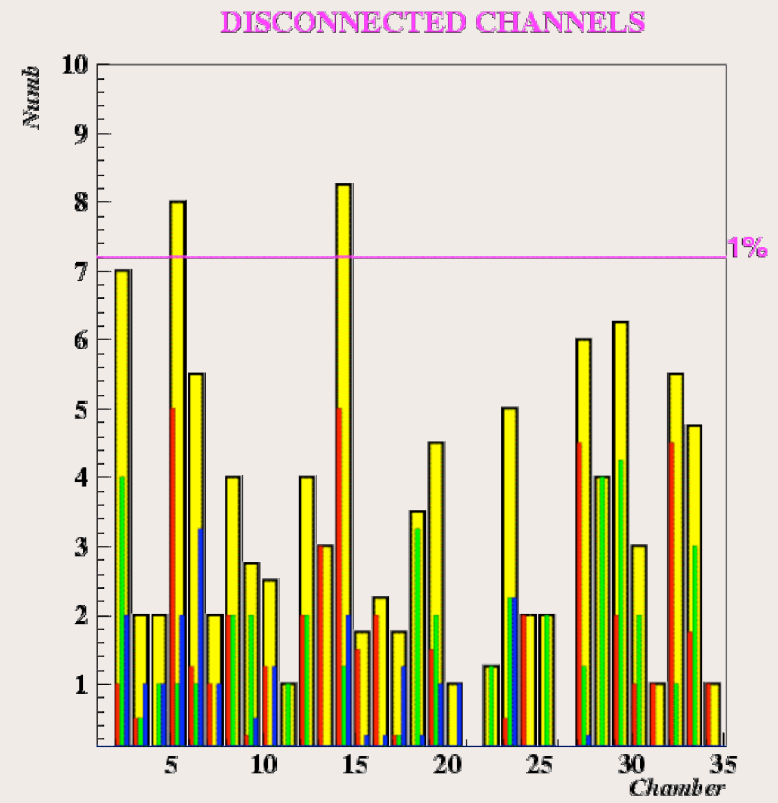
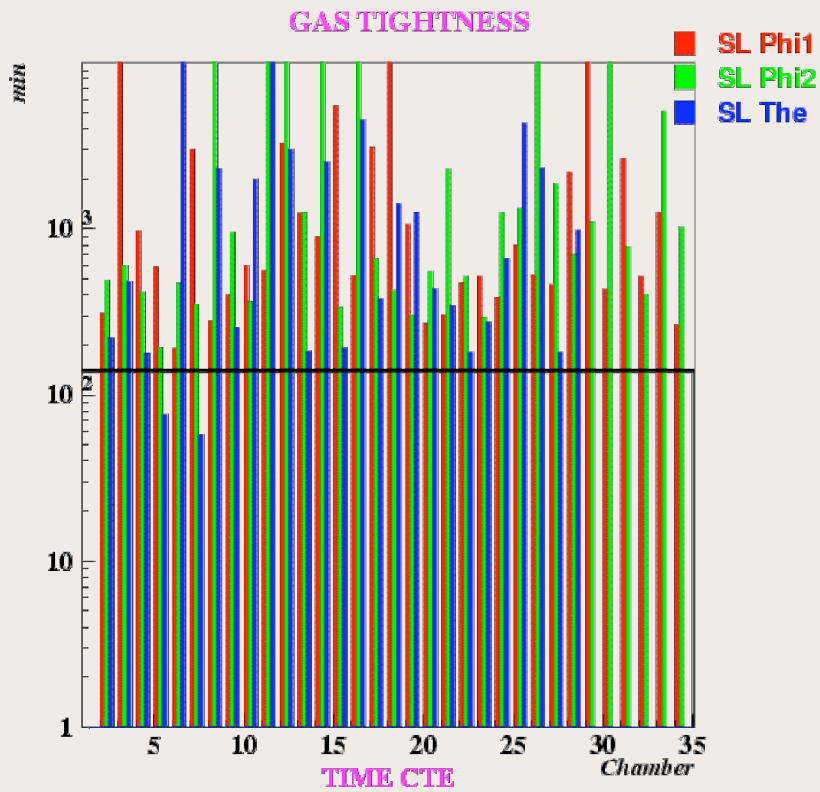
SUPERLAYERS

	□	□
Mechanically finished	78	32
Tested	70	29

CHAMBERS

Completed chambers (glued with HC)	34	
Chambers at CERN	29	(+ 5 this week)

QC Statistics



Status of Chambers at ISR

28 MB2 Chambers + 1 (+5 this week) MB4/10 Chambers

Tests on SC performed during this summer and a lot of problems found specially on the first chambers (Chambers 2-14 still to be repaired, we will try to fix most of SC problems in next month)

In some cases we don't know from where the problem is coming and what to do. Some help from experts is needed.

Chambers already selected for the installation before end 2003

MB2 Positives : # 17 - 26

Status: O.k

Negatives: # 16,28

Status: O.K

10, 15 ,27

Status: SC problems on 1 SL

HBV Failure (yellow not cooked) during this summer: 4 16-CH boards

In addition 6 chambers have HVB which should be replaced.

The rest of chambers have to be final checked.