

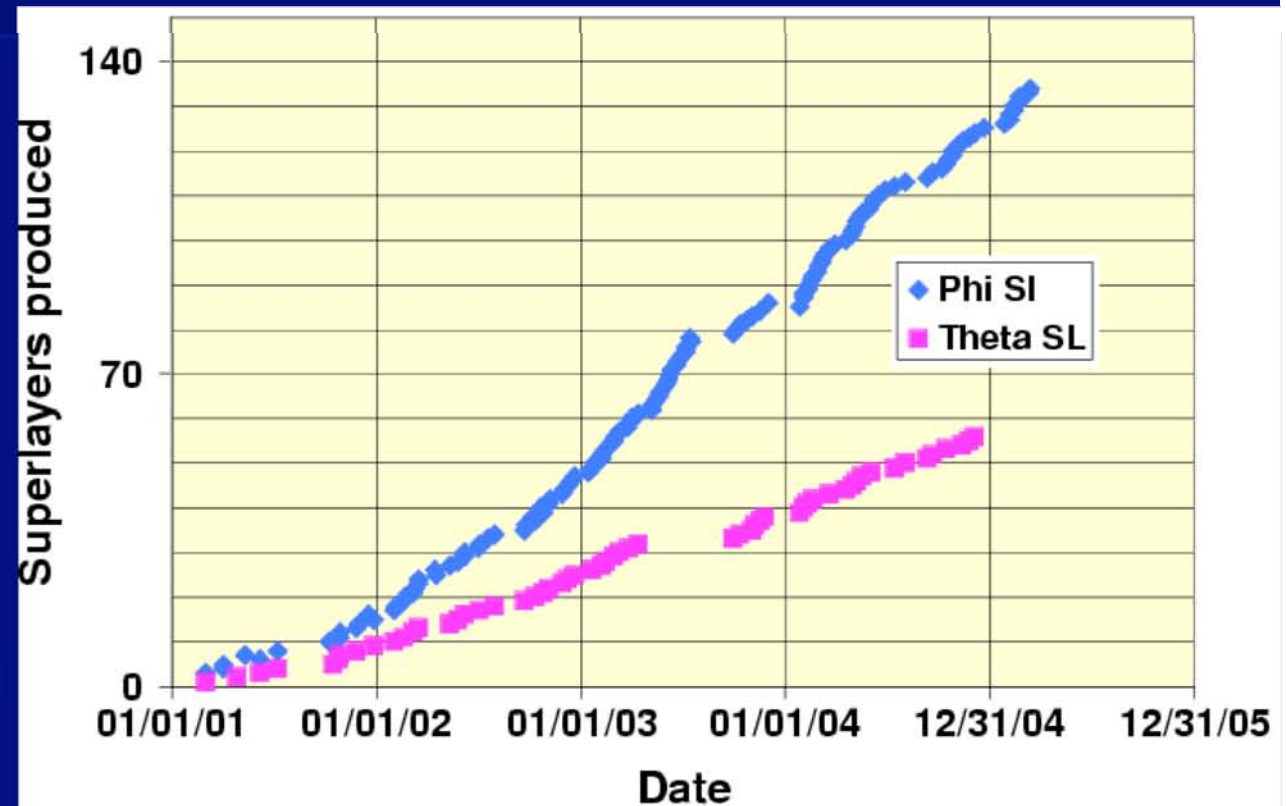
CIEMAT STATUS REPORT

Mary-Cruz Fouz
CMS Week March 2005

Chamber Status. SL's mechanically assembled

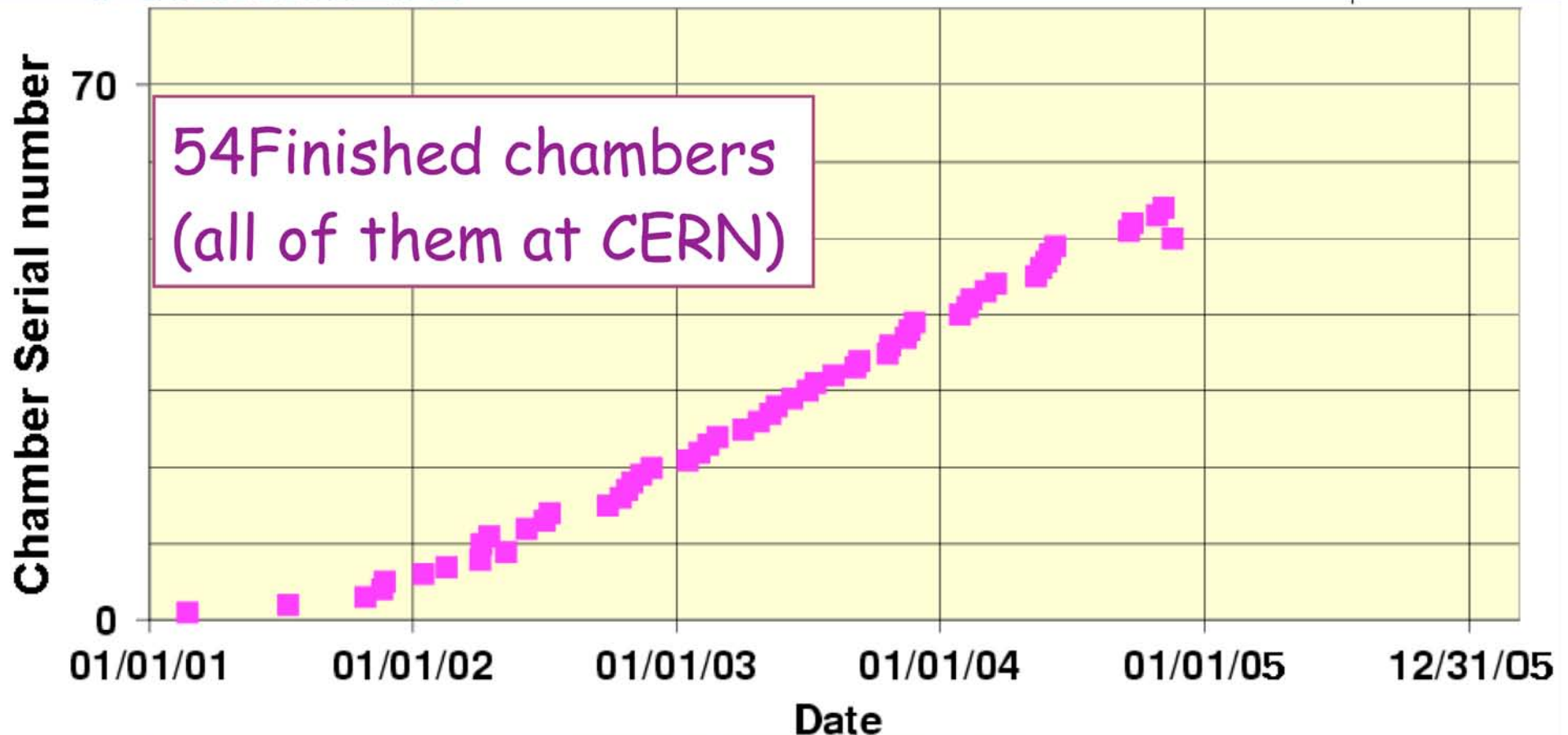
88% of SL's

25 SL's left
(including spares)



~ 4-5 months to finish

Chamber Status. Completed chambers



No chambers assembled from October '04 due to the lack of HVB's

Chamber Status.

SL's tested

- SL's for next 3 MB4/10 chambers finished
 - SL's for next 1 MB4/10 chambers being tested.
 - SL's for next 1 MB2 being equipped with electronics.
~ 30 HVB's 16ch needed to complete this chamber
are expected for next week.
- ⇒ After we finish these 5 chambers (55-59) they will be sent to CERN (~April)

Chambers for YB+1. Replacement of HVB's

A team of CIEMAT people
(2 physicists + 2 technicians)
had planned to come to CERN to replace
boards on the chambers needed for YB+1
from 24th of January to 11th February
(3 weeks)

After some problems due to the weather,
half of the group arrived few days later.

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27 1 2005

Chambers for YB+1. Replacement of HVB's

In total, 10 MB2 (1 chimney) and 2 MB4/10 were equipped with the new HVB's.

This chambers were tested:

Under HV in gas

Under Cosmic (J.Puerta)

We fixed all the problems found but when we left the chambers still needed other "round" of cosmic tests to be certified after the reparations.



Chambers for YB+1. Replacement of HVB's

- The problems found
 - HV-Gas: Sparks due to some disconnected pin or some cables (strips/ibeams) interchanged
 - Cosmic:
 - * Several Ibeam spring not properly connected
 - * Some dead cells due to disconnected wire pins or to a **BAD HVBoard**
 - 3 HVB with a "single" wire dead

In addition 1 HVB was changed because too many after pulses (HVB strips pins had lower HV than the power supply settings)
- Extra dead channels:
 - 4 wires were broken during the HVB's replacement

Chambers for YB+1. Replacement of HVB's

Some Statistics

Chamber Serial number	18	20	21	25	31	33	35	36	38	39	40	54
#New Dead Chann			2		1	1						
SLopen GAS			1	1	1		2	2	1		1	1
SLopen COSMIC	2	1	2	2		2	1	1	1	1	3	Nt

SLopen indicates the number of interventions requiring that a SL had to be reopened
NT means NO Tested

ALL are standard MB2+ chambers but 31&33 (MB4) and 54 (MB2+ Chimney)

NEXT

- At some moment in April the HVB's in chambers for YB0 must be replaced
- To continue testing superlayers at CIEMAT more HVB's are needed.
- Urgent needed of more wire and daisy chains (missing already for the last 5 SL's assembled)

