

Sezione di Padova Università di Padova



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Hall and production line status

CMSweek 16-9-2003

The cables for encoders gave reliability problems during last months.

We decided to replace the cables with new ones having higher performance (lifetime) Replacement will be completed in October



NOW

The cables for encoders have been replaced in the first half of October The production line is now working well.

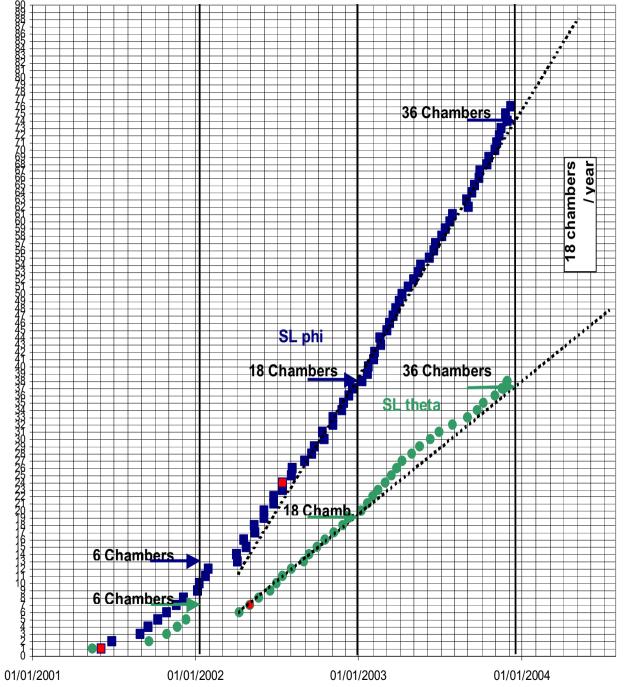
9-12-2003 CMSweek

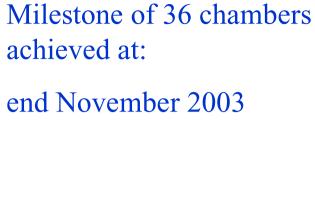
Ezio Torassa, INFN Padova



Chambers and SL review

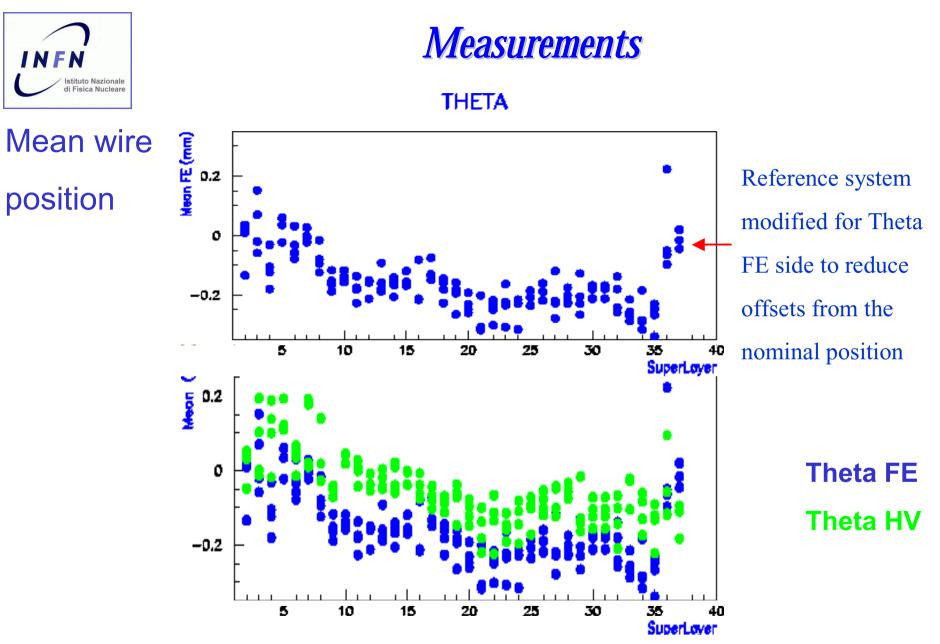
	CMSweek ?	16/09/20	03 CI	MSweek	9/12/2003
# SL	94 (62 phi, 3	(62 phi, 32 theta) 11		(74 phi, 37 theta)	
# MB3 Chambers from built SL	31+1	./3		37	
(tested with HV, gas OVP, scalers)	(30)	+ 5.66	chambers	(36)	
		+ 4.74 nominal rate			
	MB3 +	MB3-	MB4/4	MB3c	MB4/4c
# Assembled Chambers	20	10	2	0	0
(tested with cosmic rays)	18	10	2	0	0
# Chambers sent to CERN	18	10	2	0	0
# Chambers from built SL end 2002: 18 (1	17) # Chamb	ers from b	uilt SL end	1 2003: 36	(35)
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Planning for end 2003:

> 38 chambers



CMS NOTE:

Study of the internal alignment of the CMS Muon Barrel Drift Chambers usic Cosmic Ray Tracks



Materials for chambers

Recently we got: 25k end plugs, 25k cathode plastic inserts, 10k crimping blocks

Critical item: HVB

HVB 16 328 boards (6.8 chambers, 3.4 months)

HVB 20 14 boards (7.0 chambers, 3.5 months)

	Aachen	Madrid	Torino	Padova	Global
Cathode contacts	-3240	-3572	-844	+23828	+16172
Strip FE contacts	-2584	+84	-500	+27252	+24084
Strip HV contacts	-1784	-2616	-500	+28984	+24084
Bus bar	-500	-200	+500	-1000	-1200

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Material for chimney chambers:

	Need	Received
Phi cathodes	2320 (8 Phi chimney SL)	100%
Al plates	30 (MB3c) + 20 (MB44c)	0%
Honeycomb	2 (MB3c) + 2 (MB44c)	0%
C profiles	16 (8 Phi chimney SL)	100%
L profiles	8 (theta MB3c)	100%
HV covers	2 (theta MB3c)	100%
FE covers	2 (theta MB3c)	100%

9-12-2003 CMSweek

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- #SL: 111 , #Chambers from built SLs: 37
- The production rate in 2003 was 20 chambers/year
- 2 MB4/4 chambers built and delivered to ISR
- Material flow: new delivery of contacts and bus bar to be scheduled