

Chamber Production Status @ Aachen

❖ Superlayers:

	Status 05.12.03	Extrapolation 31.12.03
Mechanics	120 SL	123 SL
Completely tested	107 SL	113 SL

❖ Chambers

	Status 05.12.03	Extrapolation 31.12.03
Package of 3 SL + HC	36	38
Really glued chambers	34	36

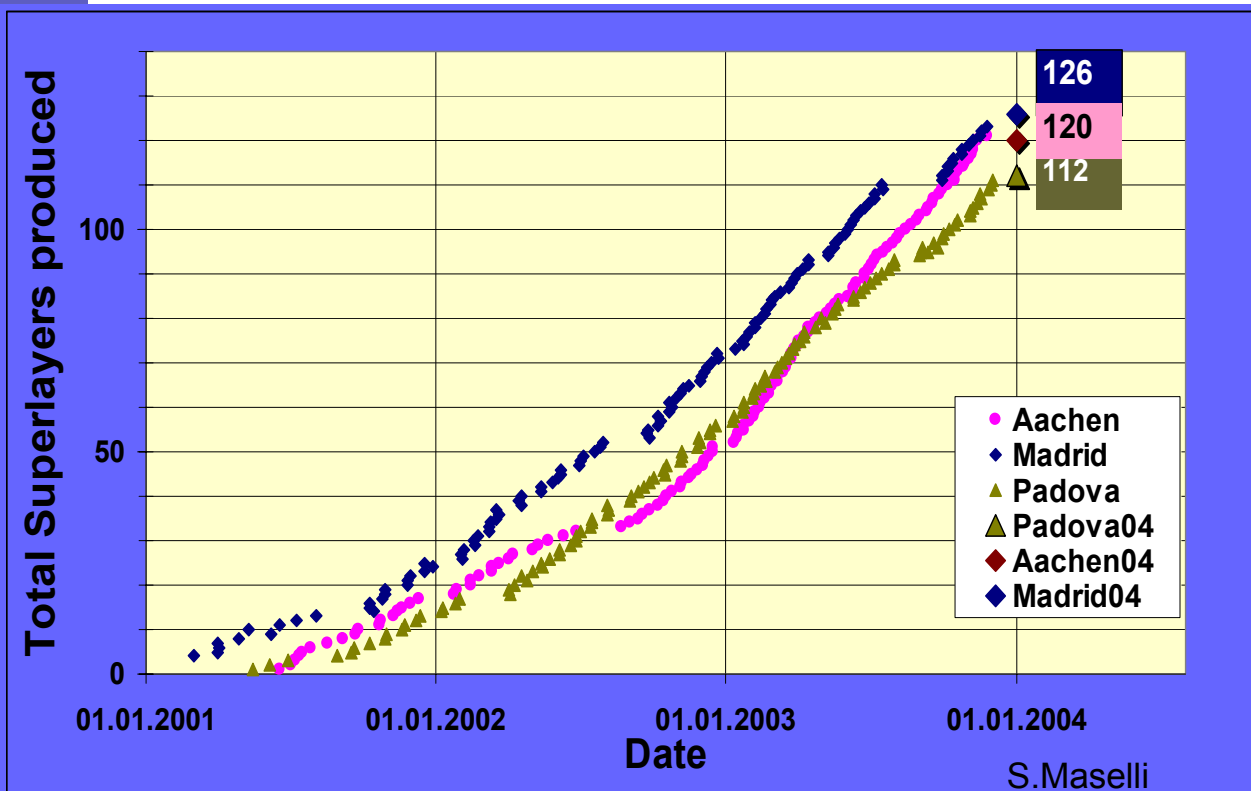
❖ Next 8 chambers to CERN 20.01.04

Production Speed

	End 2002	End 2003
Superlayers	50	123
Chambers	12	36



SL production speed for 3 production sites



73 SL in 2003
 → **6 SL/month**

24 chambers in 2003
 → **2 chambers/month**

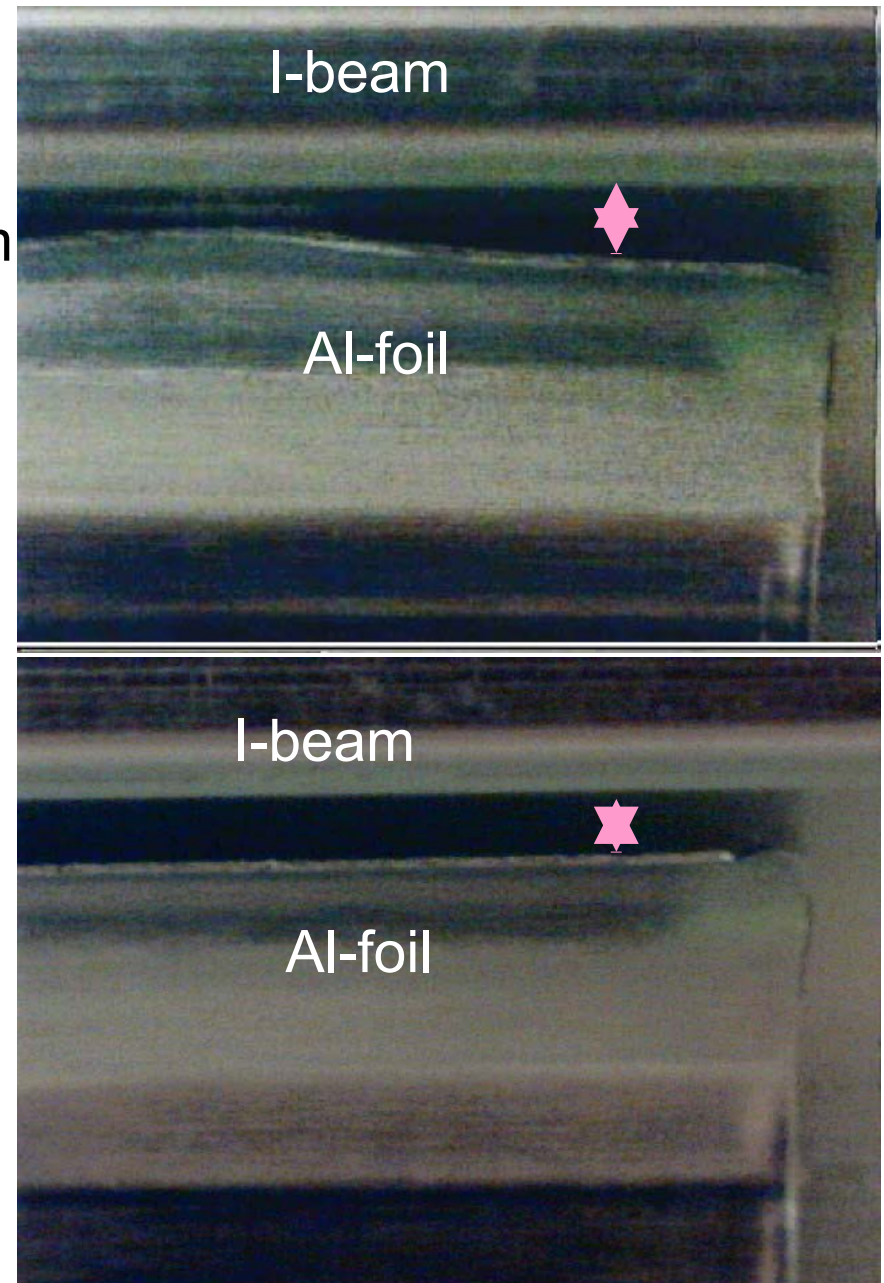
Observations during Production

In some batches Cathode foils loose

Gap between I-beam and foil max. ~1 mm

Mechanical pressure forces
foil back

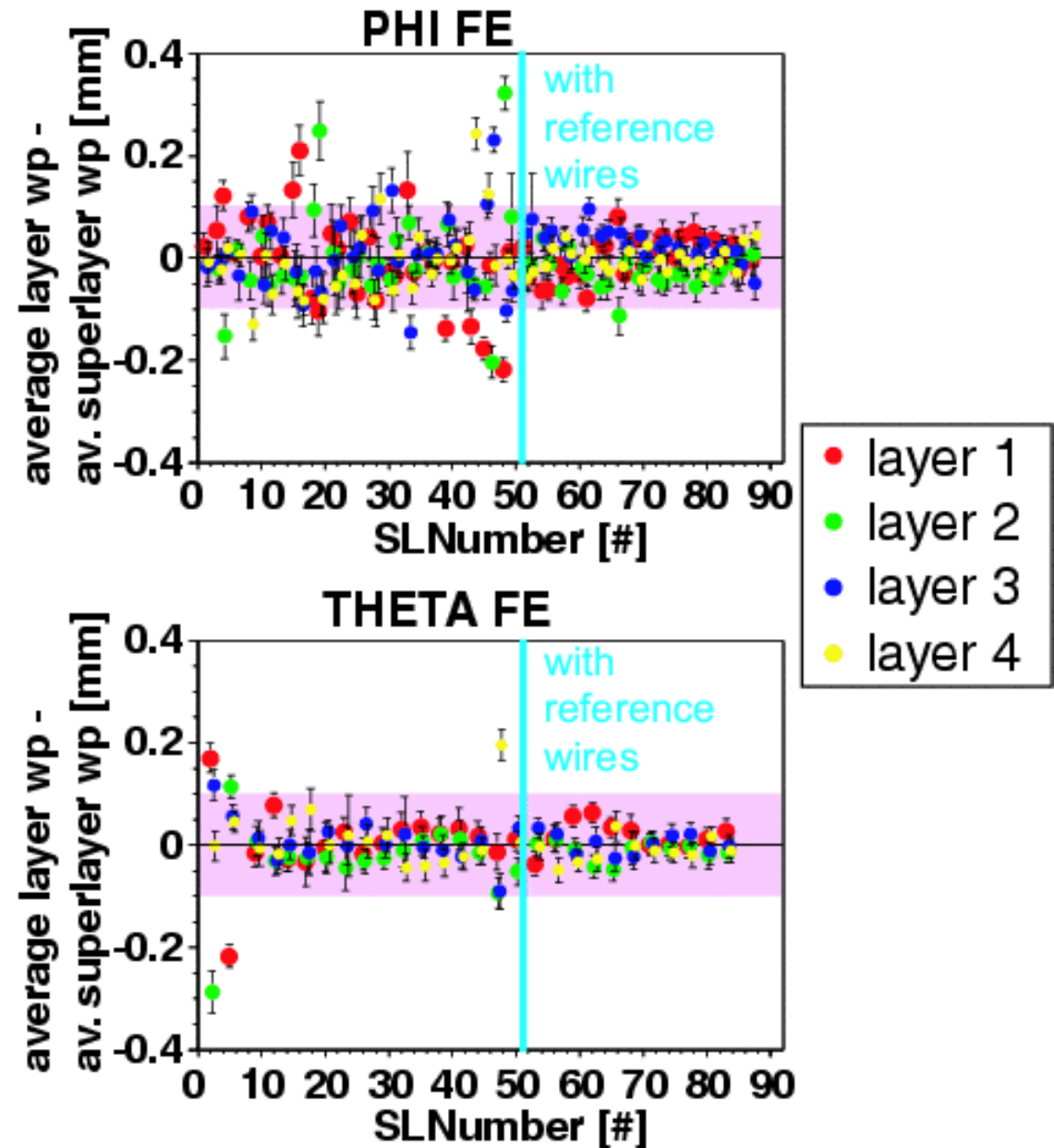
Non-permanent → time
constant ~3 hrs



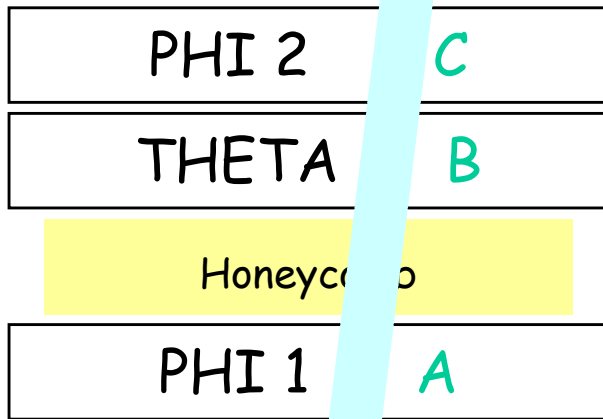
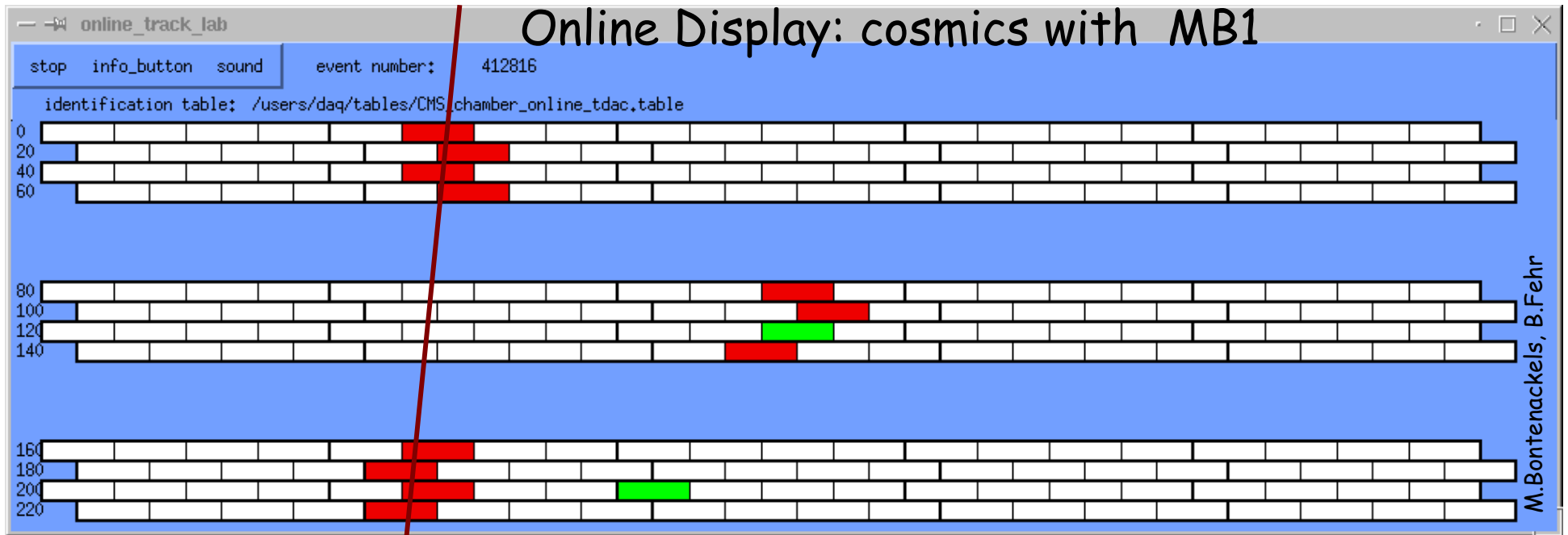
Quality Control

→ see presentation
by Sven Hermann in
QC meeting

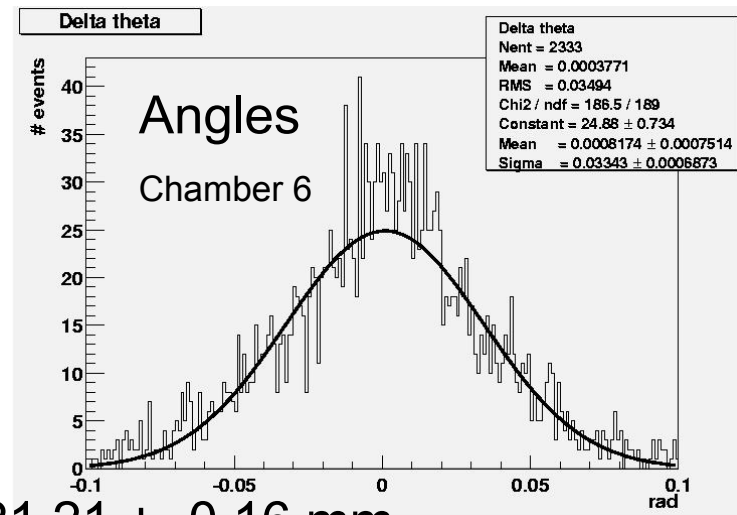
Wire position
within QC
requirements
(new reference wire
system, >SL 050)



Data Taking with Full Chamber



Coordinate $\Delta x = 21.21 \pm 0.16$ mm



Material

Item	Needed	Remarks
Cathode contacts	20,000	for entire production
Strip HV contacts with pin without pin	2 x 9,500	for entire production (wrong delivery)
HVB	batch in 01/2004	for running production
LV bus bars	500 m	for entire production
LV connectors	batch in 04/2004	for running production
Protection plastic	10 m	for entire production
FE-covers	batch in 02/2004	for running production

Recovered SL → after successful test, less spare plates needed

Deliveries (outgoing)

- ❖ Chamber shipment to CERN (8 chambers) 20.01.04
- ❖ Minicrate profiles Jan. 2004
- ❖ Components for chamber production
 - ❖ Crimpblocks Dec. 2003
 - ❖ Gas manifold & manifold supports & cables several batches
 - ❖ Cornerblocks Nov. 2003
 - ❖ Wires batch Oct. 2003
 - ❖ Signal cables several batches
- ❖ Small handling tool