

# Chamber Production Status @ Aachen

## ❖ Production status as of June 3rd:

- SL mechanically finished: **83** (84-1 SL) ~27 chambers
- SL fully tested: **71** (72-1 SL) ~ 23 chambers
- Chambers: **20** out of which 12 at Cern, 8 Aachen

## ❖ Next transport: Aachen → Cern 17.06. / 18.06.

## ❖ Started with phi-SL for special chambers (feet)

❖ **Amount of HVB** on site (82 SL assembled with HVB)  
260 HVB16 + 25 HVB20 → sufficient for ~24 SL \* 3 days  
→ 48 days (~mid...end July)

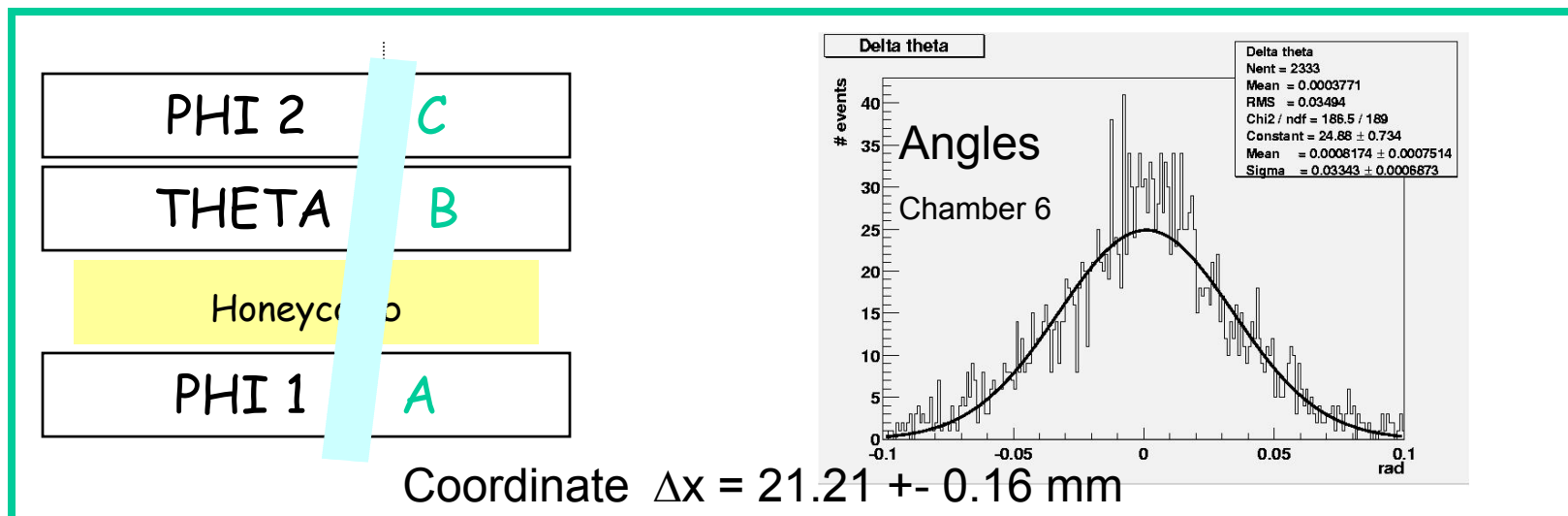
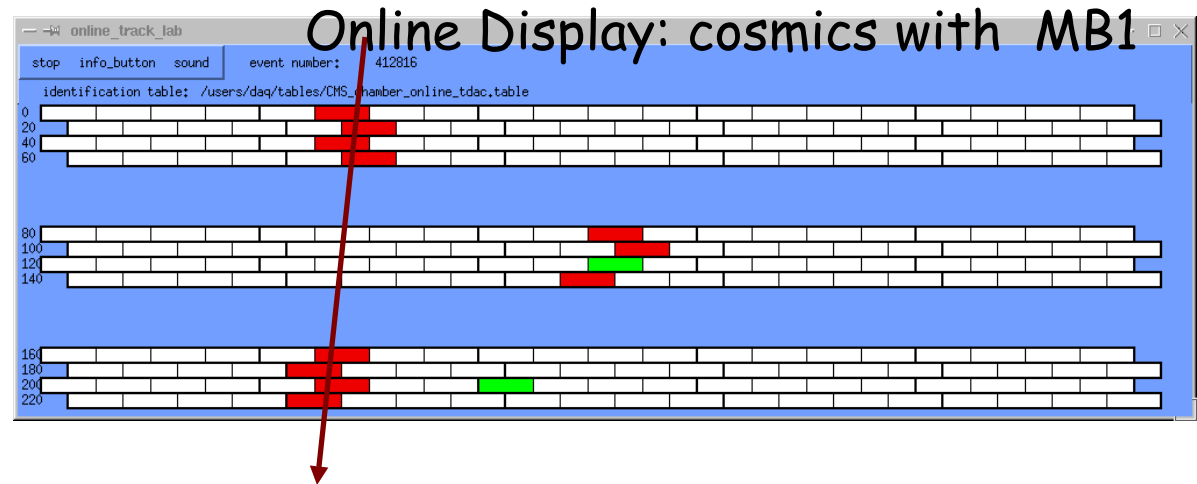
# Experience with Slow Control Test

- ❖ Aachen: slow control is being tested during regular SL testing procedures
- ❖ So far **~30%** of the cases required a slow control fix (board). One case required the exchange of the board.
- ❖ All future chambers ( $\geq$  chamber 013) will be slow control tested when arriving at CERN.
- ❖ Past chambers  $\rightarrow$  have been tested recently in the ISR. Here **50%** of all SL needed slow control repair.
  - $\rightarrow$  18 / 36 SL = 50% where slow control was OK
  - $\rightarrow$  12 / 36 SL = 33% slow control successfully repaired
  - $\rightarrow$  6 SL slow control still needs to be repaired (exchange cover)

# Testing of Full Chamber

Assembled chambers get tested again:

- HV stability, el.contacts
- Noise
- Efficiency
- Alignment of phi-SL



# Work done at the ISR

- **12 chambers at ISR, under gas**
- **All have been HV tested after transport**
  - 2 channels with HV problems
  - Fixed in May 2003 (1 loose wire at HVB, 1 damaged isolation)
- **Slow control tested**
  - 30/36 SL now OK
  - 6 SL slow control still needs to be repaired (chambers 001, 004, 006, 007)
- **Gastightness**
  - 10/12 chambers with  $\tau > 140$  min
  - Time constant 120...200 min will be improved. Covers altered. 4SL in chambers 001, 003, 006, 012