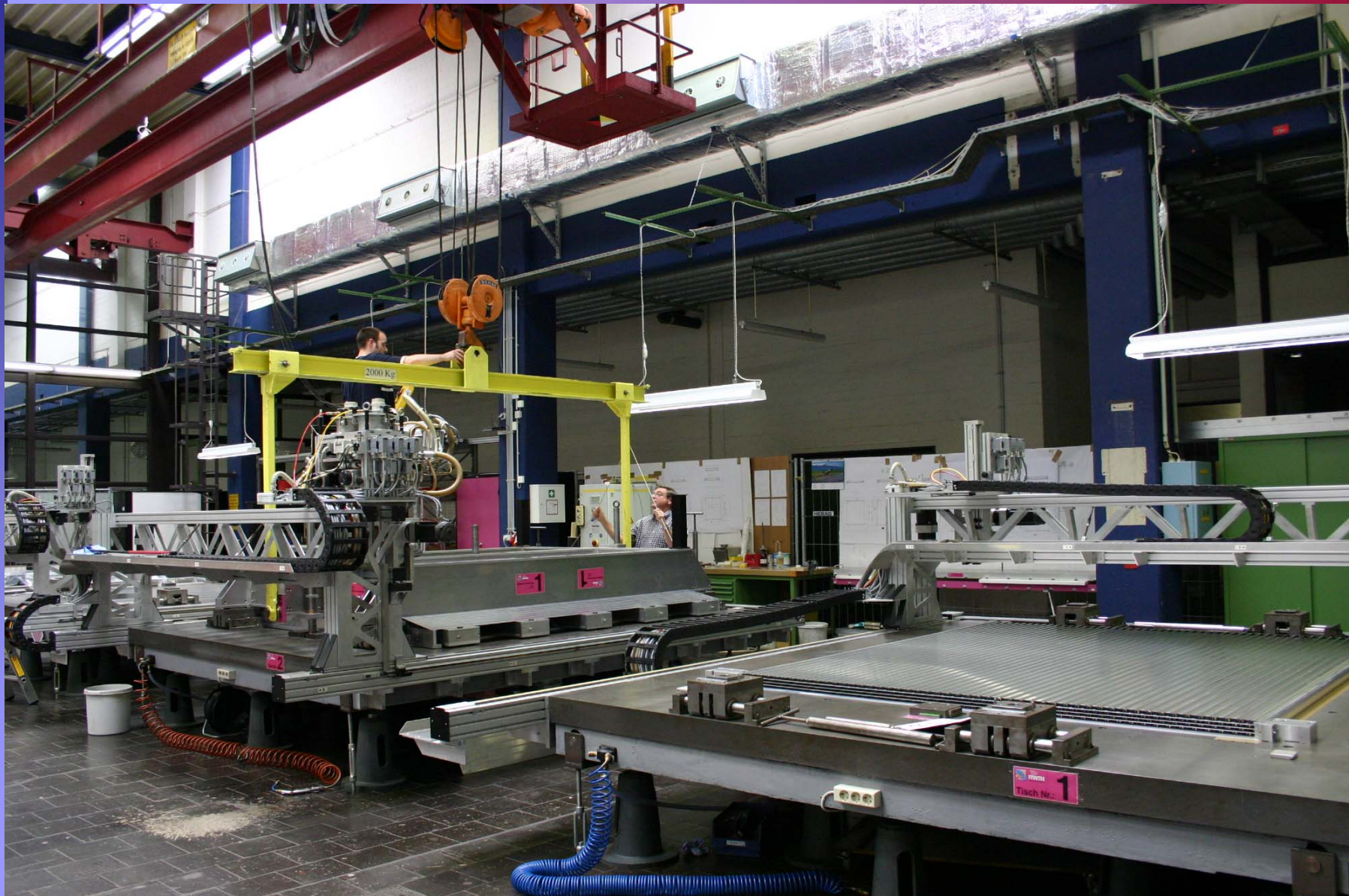
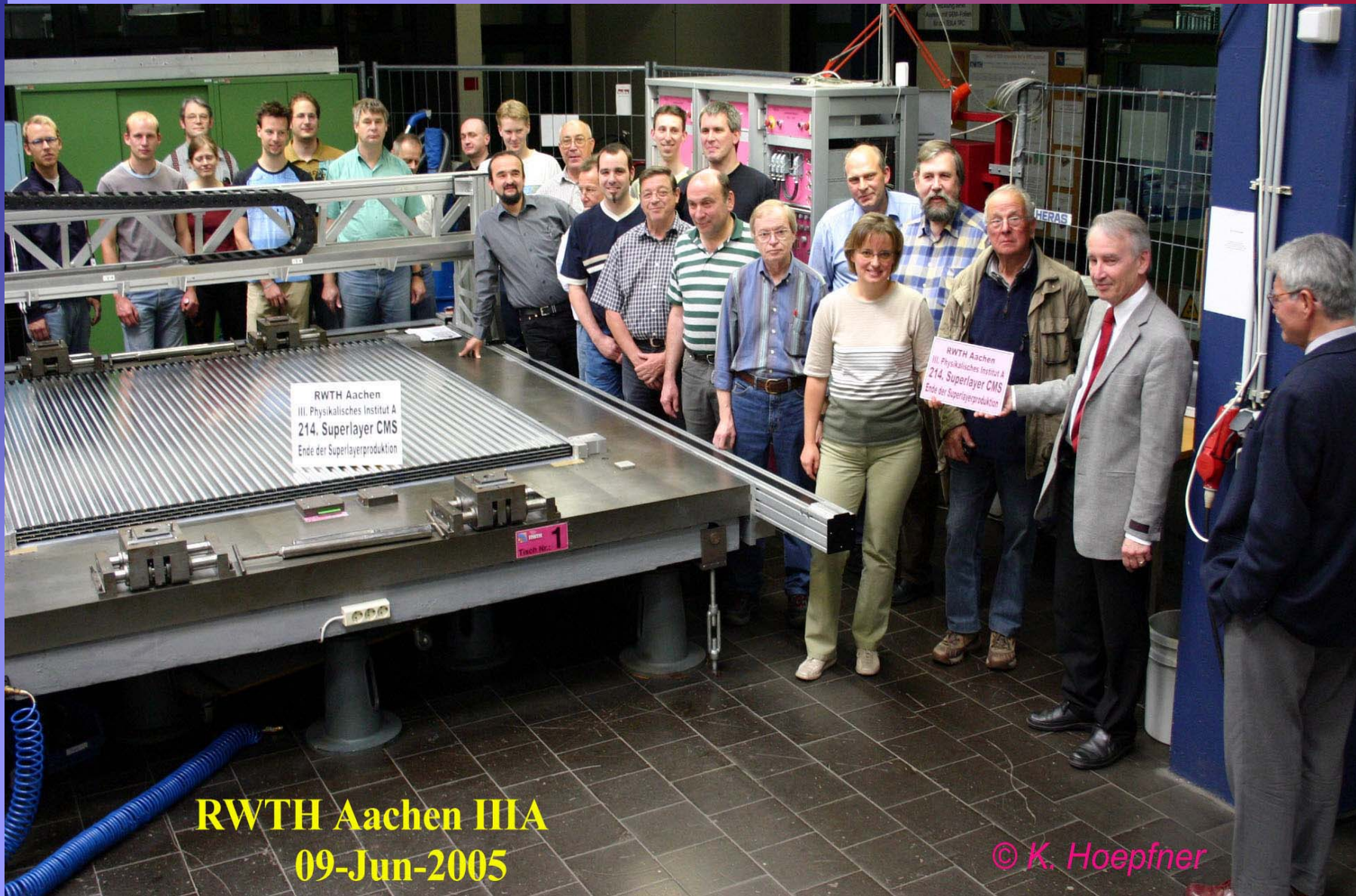


MB Production Status @ Aachen



The Last SL Mechanically Produced



RWTH Aachen IIIA
09-Jun-2005

© K. Hoepfner

Chamber Production Status @ Aachen


Status of 17.06.2005 full production (incl. spares) = 214 SL

Production Step	No. of SL	Remarks
Mechanically finished	214 SL	completed
Fully assembled with HV + FE	183 SL	Limited by time & HVB availability
Fully tested SL	177 SL	
Material available for	185 SL	Needed: plastic protection, HVC, I2C & slow control bus
Chambers completed	60	
Chambers to be glued	2	Based on available, tested SL

Chambers at CERN = 43 MB1 + 9 Feet = 52 chambers

Next shipment 18.07.2005: 7 chambers (1 feet, 2 MB1-special, 4 MB1)

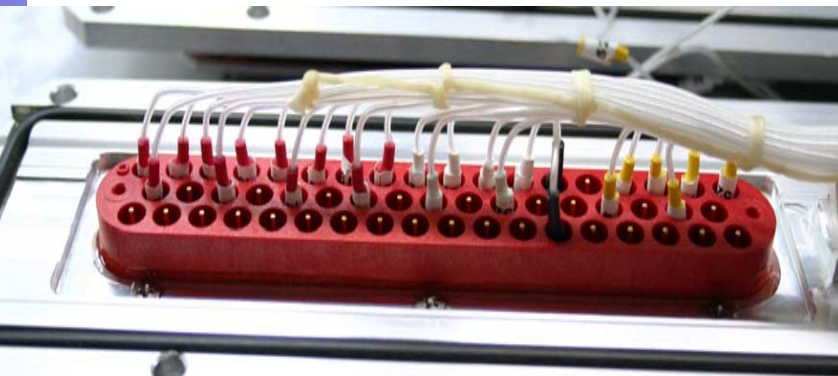
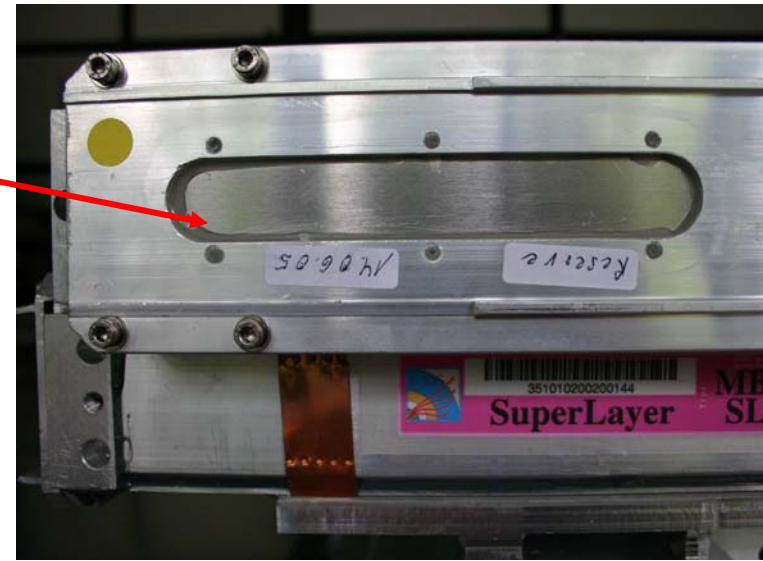
Special 1-sided Chambers

- 4 special chambers (only phi) required to avoid interferences with services
 - Required action: remove 1 HV-plug and distribute all HV-channels through only 1 connector
 - One SL of this type (SL 182) tested for ~1 month
 - Types:
 - **MB1 minus (2 chambers)** → done at Aachen
use 2 chambers with old HVB and replace HVB + change cabling
Schedule: completed by 16.07., shipment 18/19.07. to ISR
still need services etc. at ISR
 - **MB1 plus (2 chambers)** → done at the ISR (no positive chambers ready in Aachen)
Schedule: change of HVB + cabling finished by 28.06. (at ISR)
-  How and where do we store the information about the special cabling?? Database? Introduce new chamber type
- Note: no spare chambers of this type (regular MB1 spare chamber may be modified but needs extra wire bunch & HV-covers inyears)

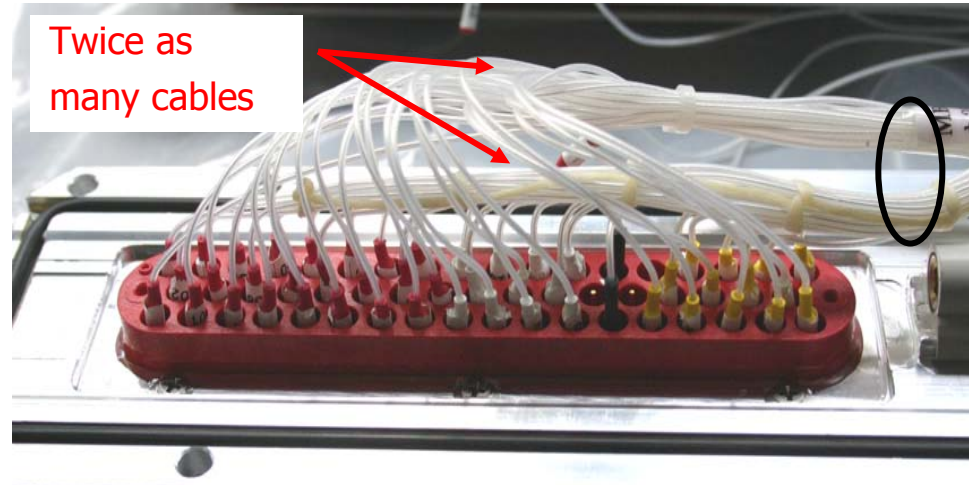
Special 1-sided Chambers

Preparation steps:

- Special HV-covers incl. check of gas tightness (~4 days for all) 1 spare
- Special wire bunches (same type two times) (~1/2 day per SL) no spare
- Cabling (~1 day per SL) same order
- Tests as usual, except that special HV distribution is needed
- Special patch panels (Alberto)



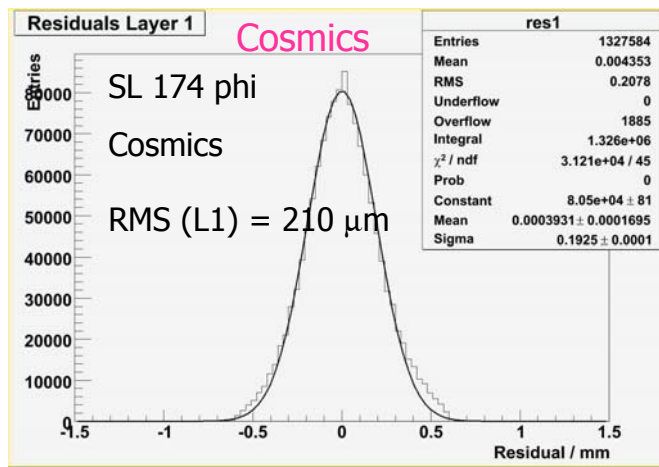
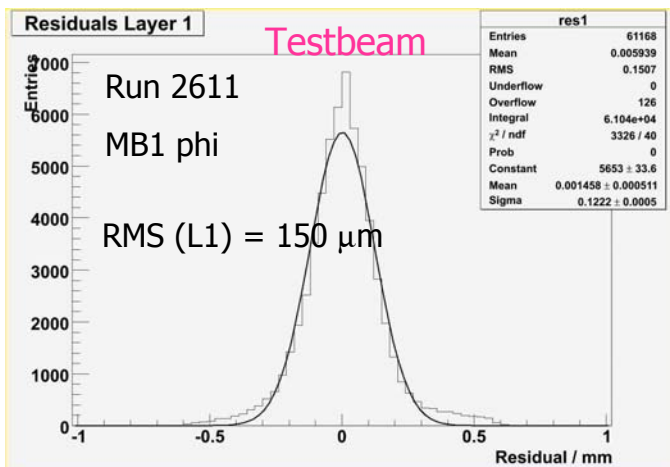
Regular phi HV-connector



Special phi HV-connector

Testbeam Analysis

- Study of MB1 performance with stand-alone "cosmics" software + ORCA
- Performance according to expectation
- For MB3 shift in mean value, not yet understood



ORCA, difficult access to hit information, just succeeded last week

ORCA cut on track quality (4 hits)

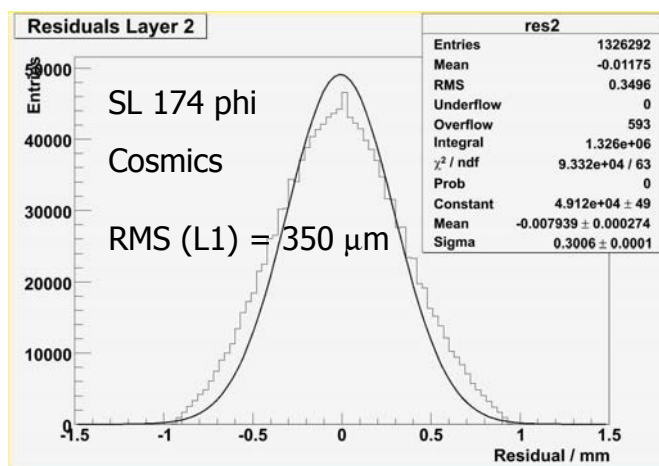
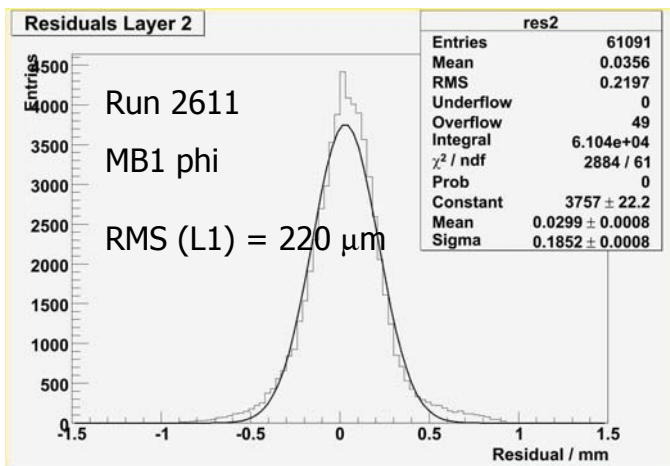
Stand-alone cut on $\chi^2 \leq 10$

Testbeam:

Run 2611 with beam perpendicular

Cosmics:

Angle cut 30 degrees



To be continued