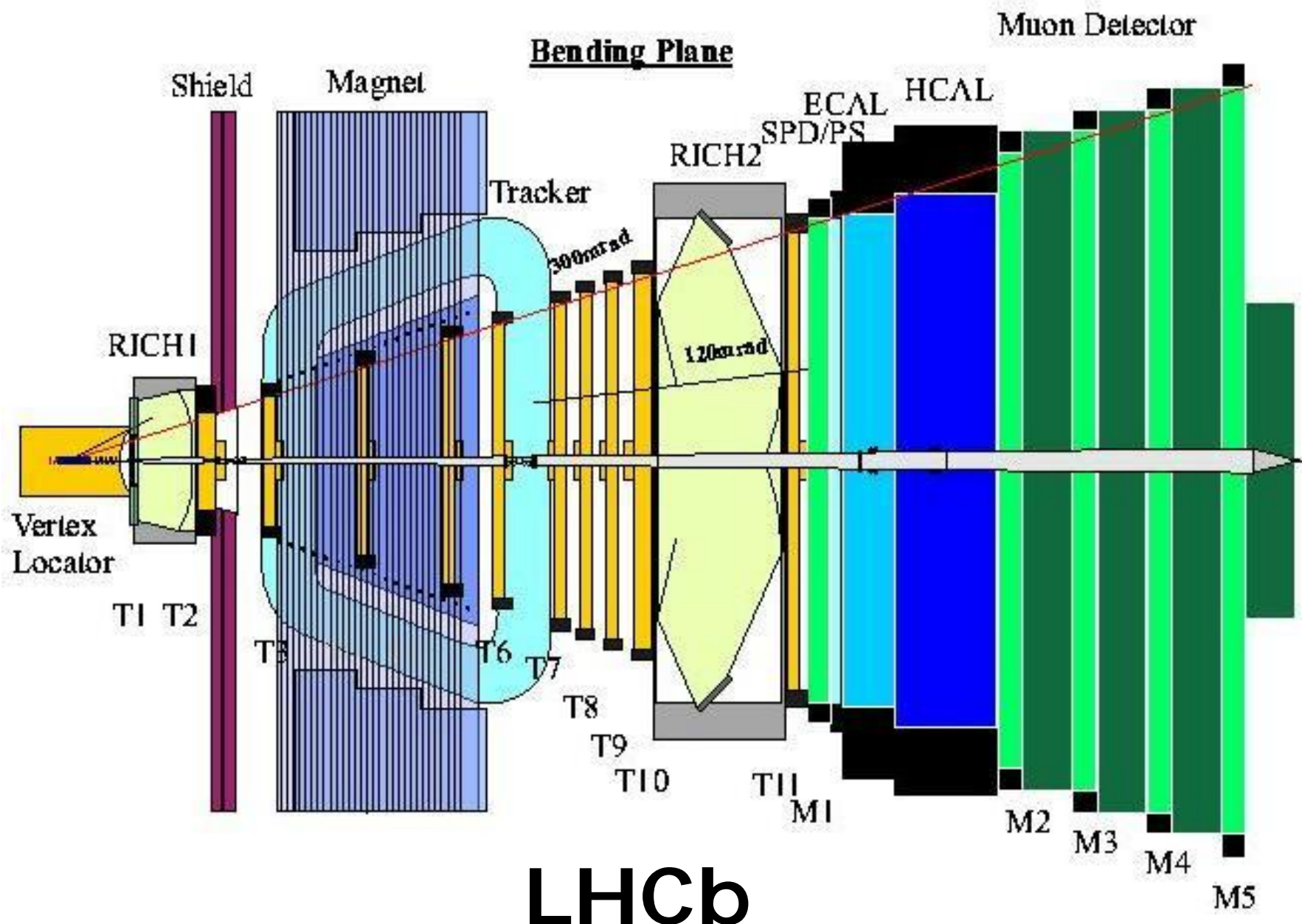


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# *LHCb*



# MWPC production at PNPI

	M3R4	M2R4	M4R4	
Production plans	200	200	200	
Produced by Dec.2006	200	200	200	
Passed all tests at PNPI	197	200	200	All classified as Class A except 3 bad M3R4 produced in the beginning of production
Delivered to CERN	197	200	130*	

Production at PNPI -1 is finished.  
Production at PNPI -2 is finished.

\*)The last transport to CERN is arriving November 28, 2006 with 70 M4R4.

# MWPC preparations at CERN

## Preparation Phase 1

1	Gas leak tests
2	HV test - 1          Dark currents at HV up to 2.9 kV
3	Pad capacity tests
4	Preparations for chamber dressing
5	HV test – 2          Dark currents at HV up to 2.85 kV
6	Mounting Faraday Cages
7	Dressing with HV and LV lines

## Preparation Phase 2

1	Installation of FE electronics
2	Pre-installation tests <ul style="list-style-type: none"><li>- Thresh. Scan ( Noise counts, Pulse generator counts)</li><li>- HV test - 3    Dark current up to 2.85 kV</li><li>- Cosmic ray tests</li></ul>

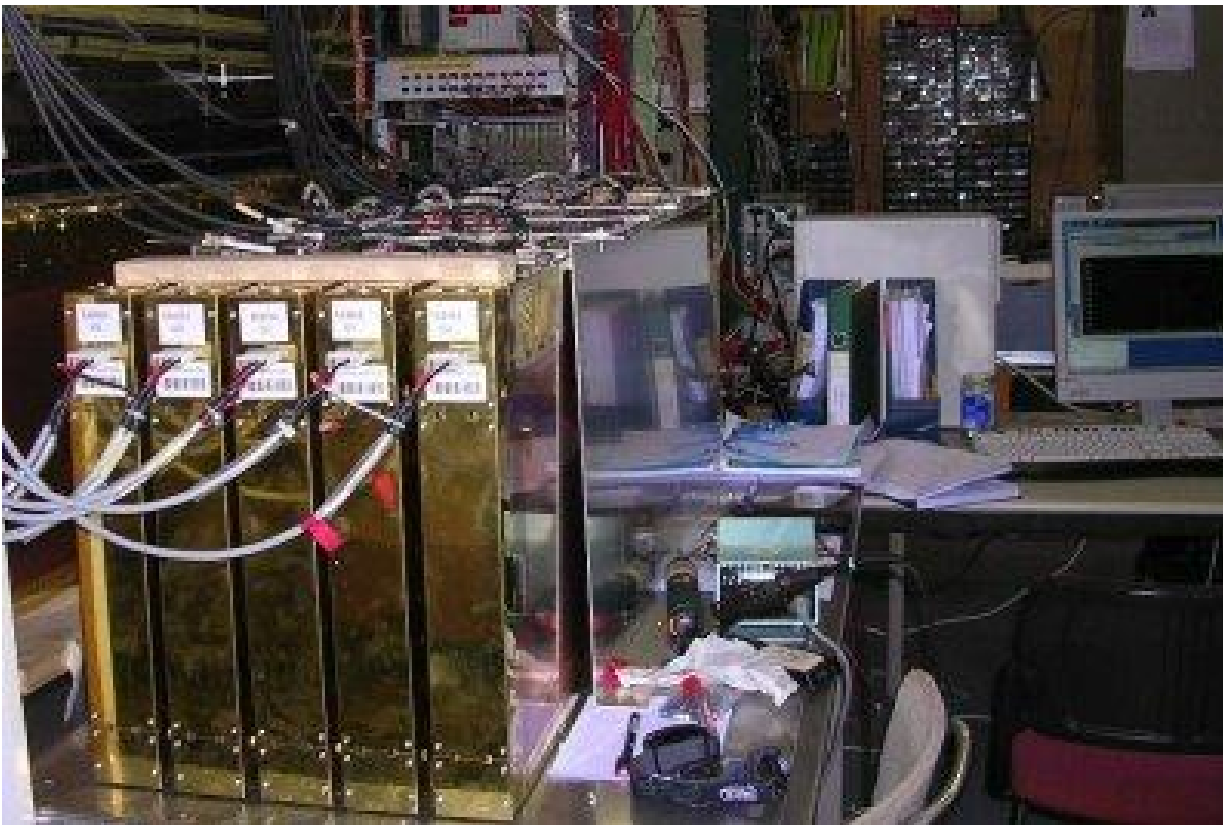


## n MWPC preparations at CERN



## Preparation Phase 2

### Pre-installation Test Stand



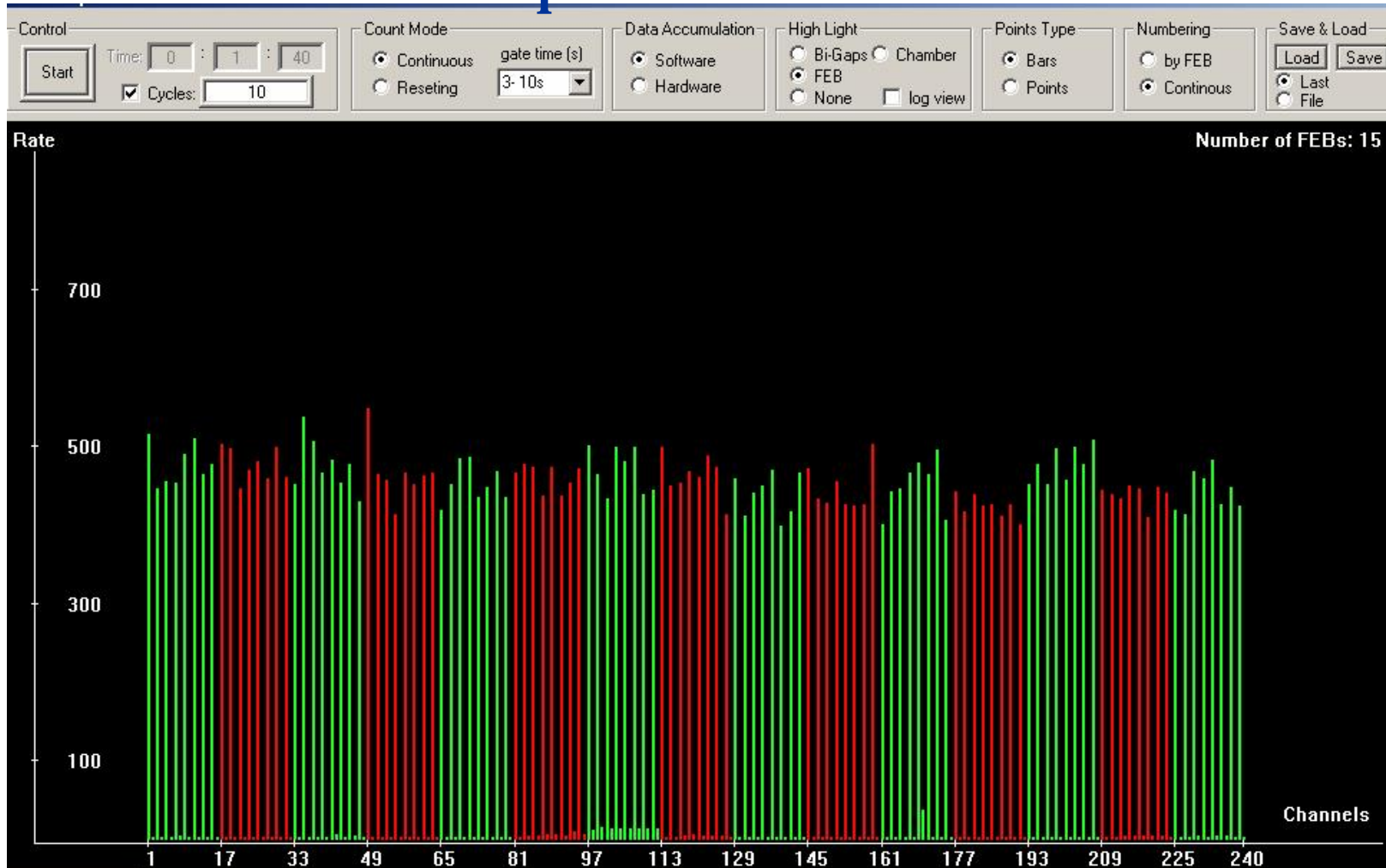
5 chambers can be tested simultaneously

with the rate of 5 chambers per day





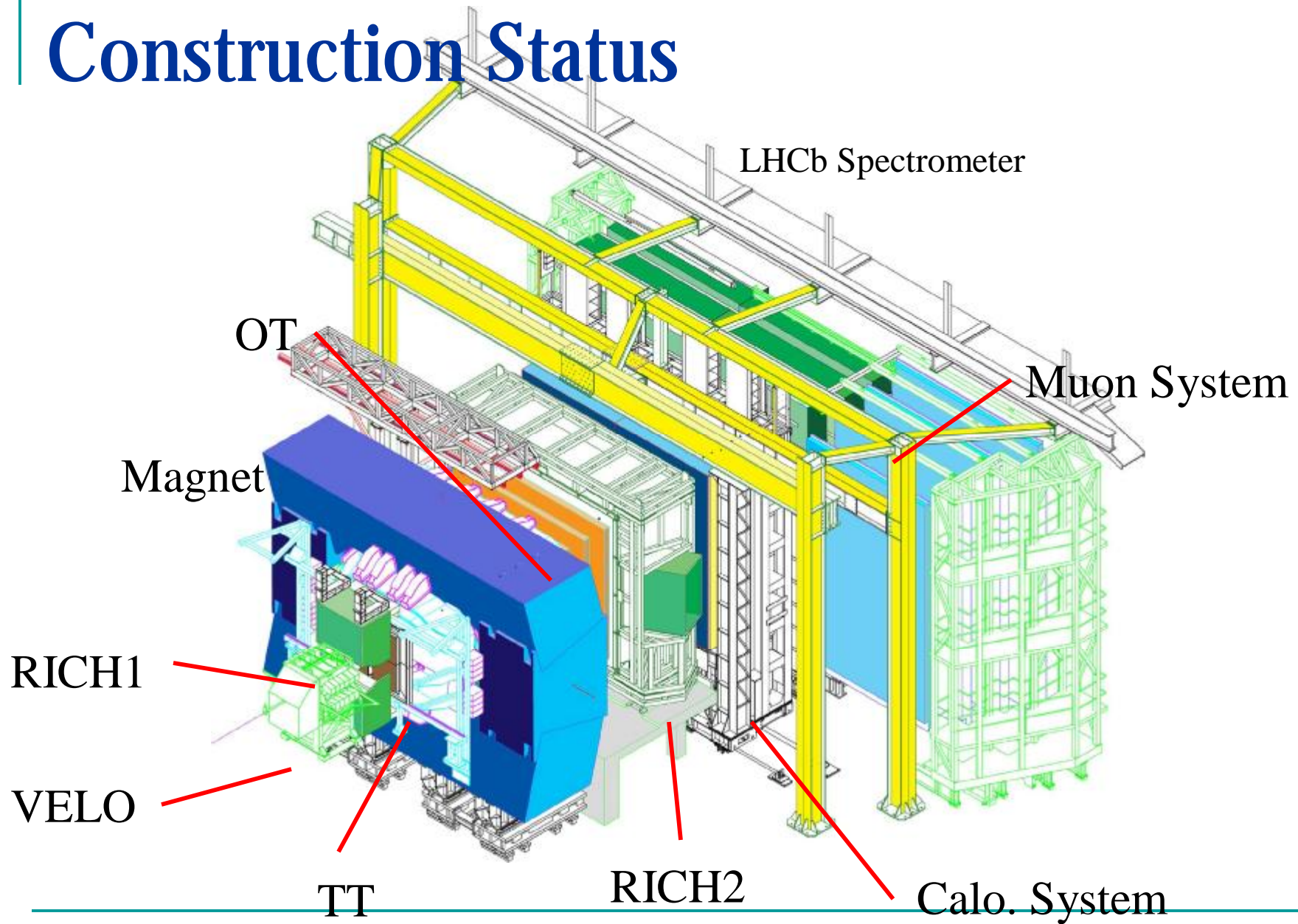
# Cosmic Ray Counts from Internal Counters. Thresh = 15fC. GapA in 5 chambers.

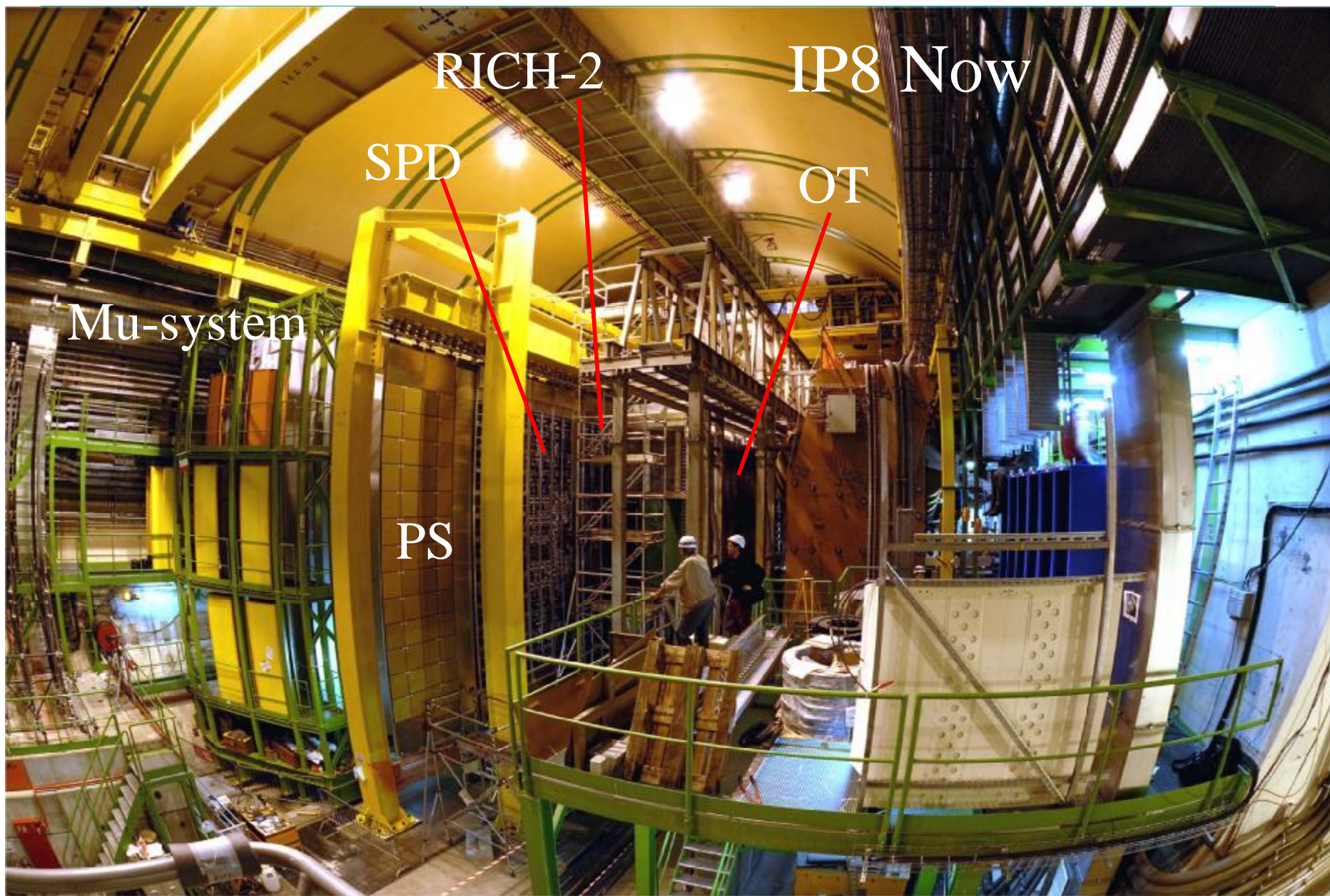


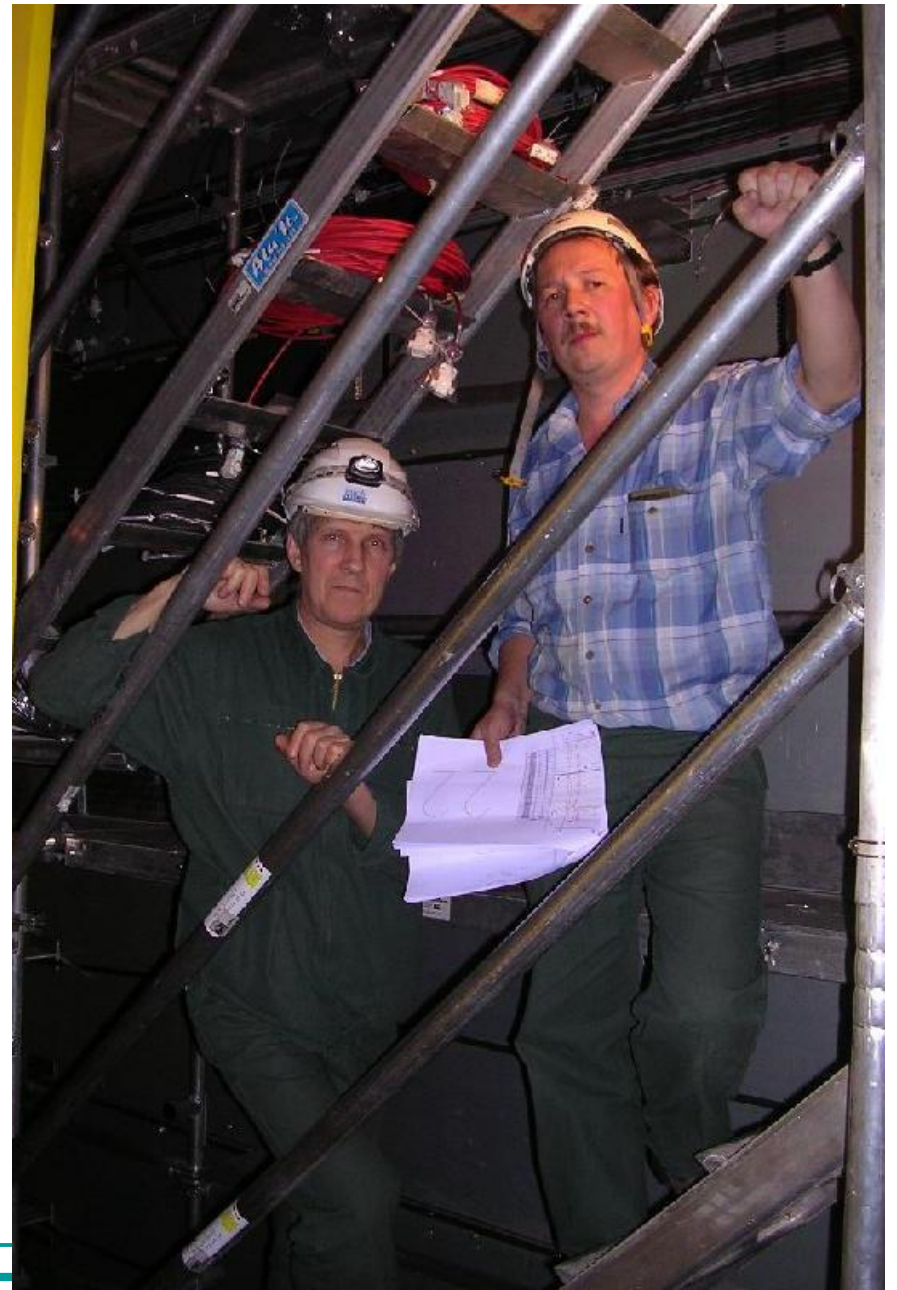
Chambers M4R4 # 53, 54, 55, 56, 57 Run198 2550 0 0 100 sec



# Construction Status









*Muon wall preparation*



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# Further planning

- n In the optimistic planning with the pre-installation tests rate of 5 chambers per day,

all 600 chambers could be ready for installation

by the end of May,2007

However, there will be still problems with additional conditioning of the chambers ,repairs etc that may require some additional time

- n HV-System for 4000 channels