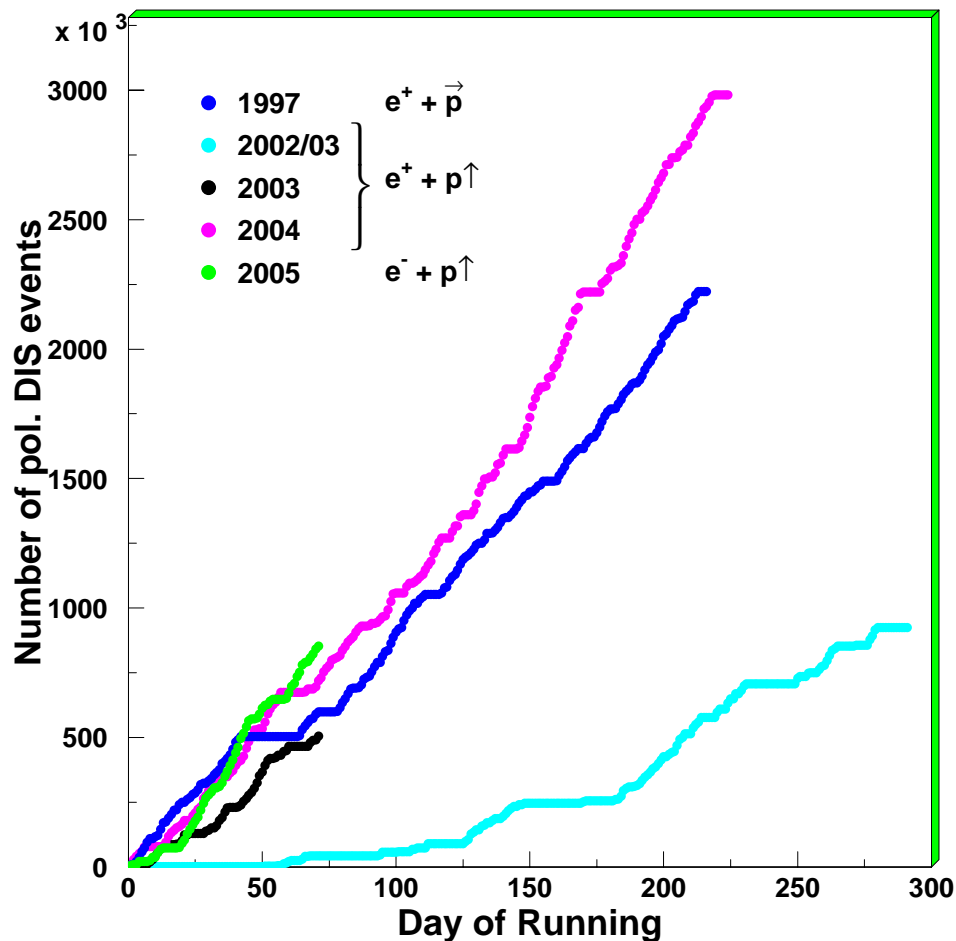


# The Status of



Integrated DIS HERA 1997/2002 - 2005 (polarized)

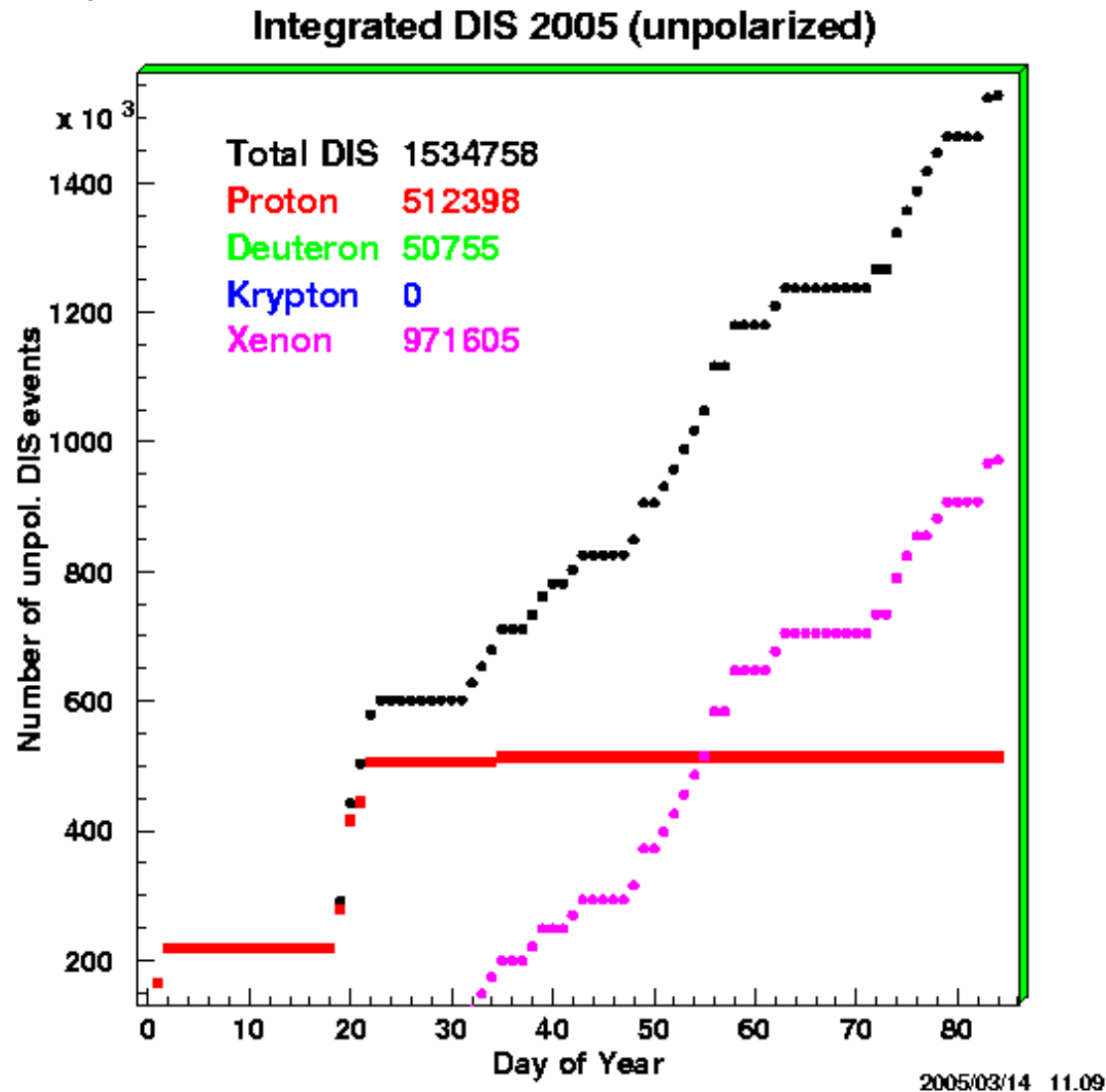


Our goal of 7 Mio of transversely polarised DIS will be reached!

Unfortunately in 4 years of data taking instead of 2.

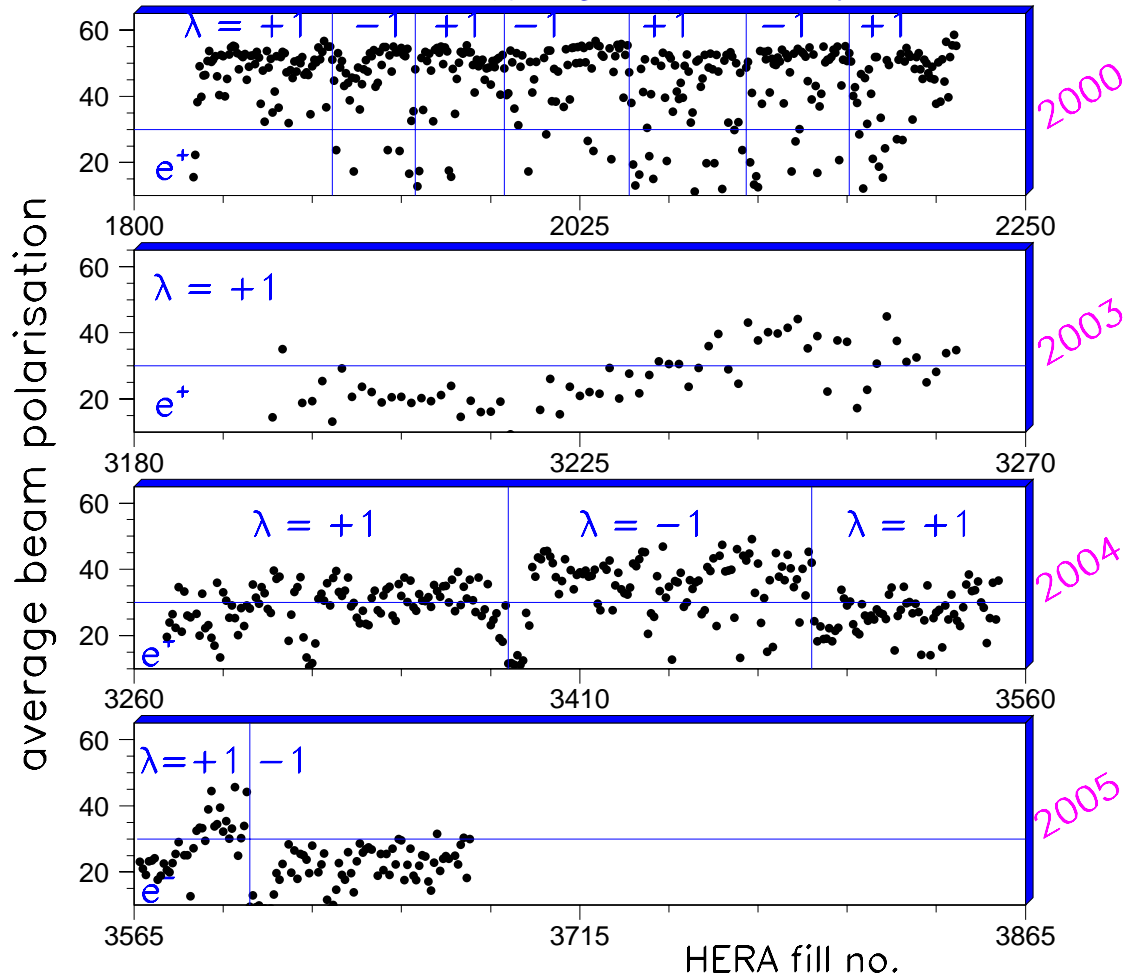
Pasquale Di Nezza, HERA Coordination Meeting, March 2005

End of fill run (@ 13 mA) using nuclear target (Xenon) is very successful.



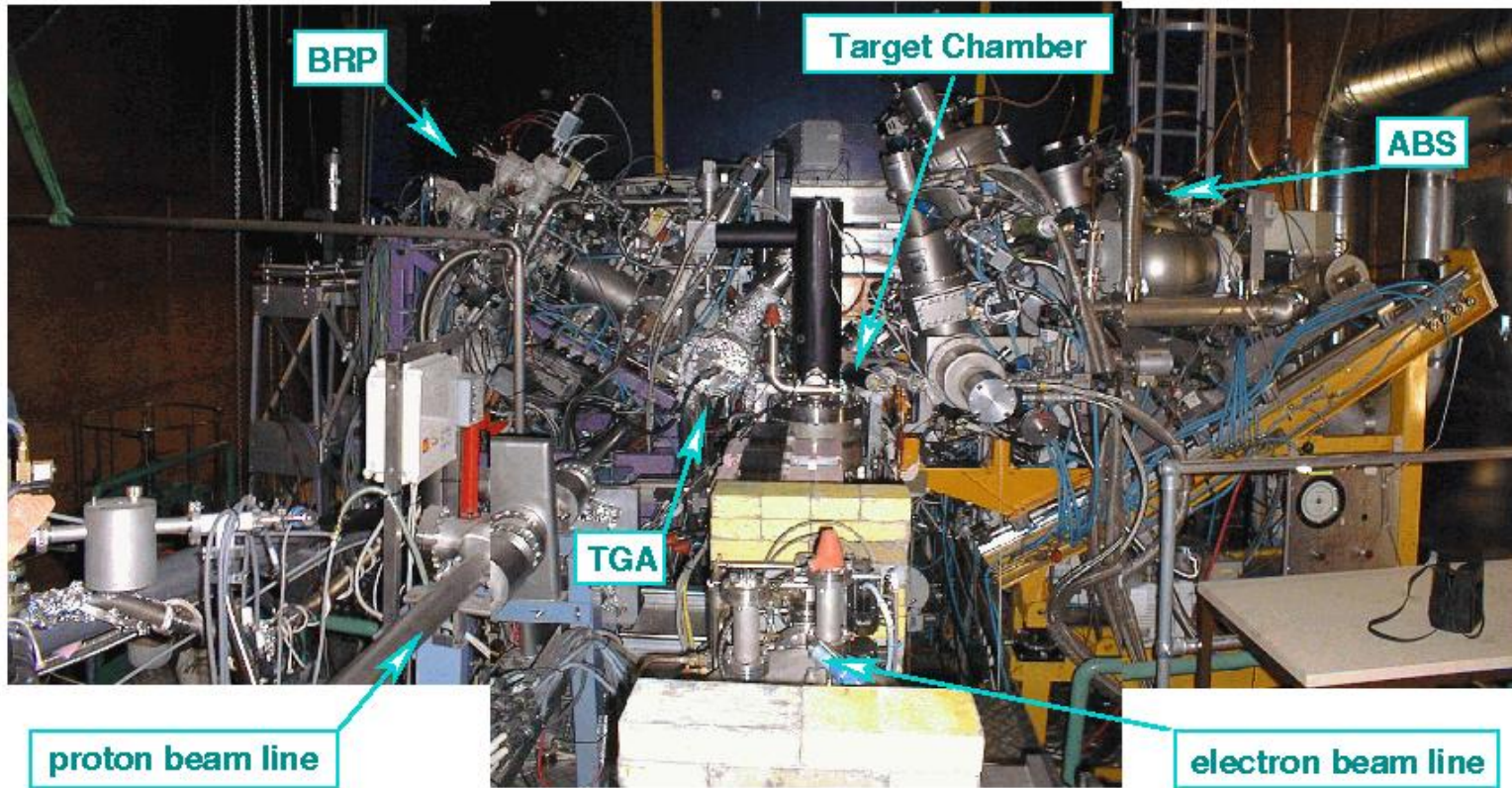
Pasquale Di Nezza, HERA Coordination Meeting, March 2005

# Polarization



Well known problem! ... see Mathias V.'s talk.

# Target



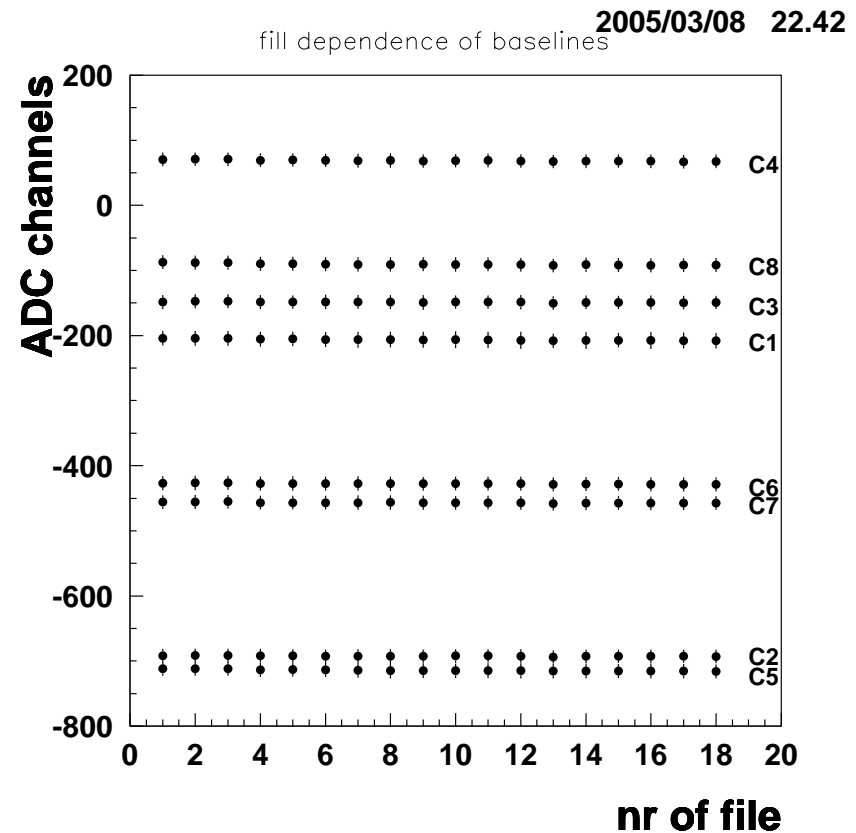
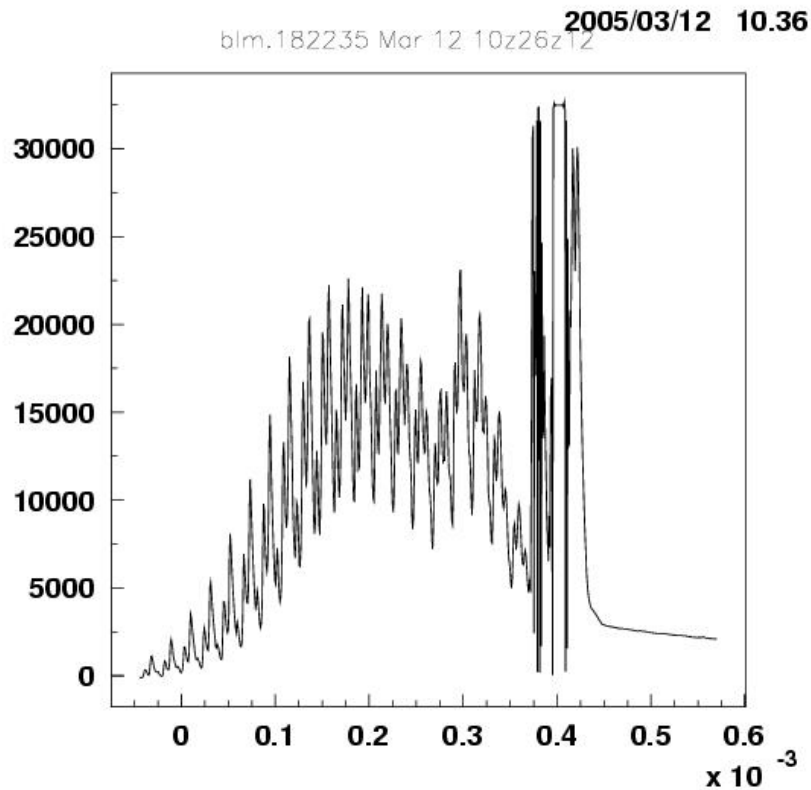
Fully operative:

- quartz glass tube last from the last maintenance day
- high polarization: ~80%
- high atomic dissociation: ~90%

# Beam Loss Monitor

To protect mainly:

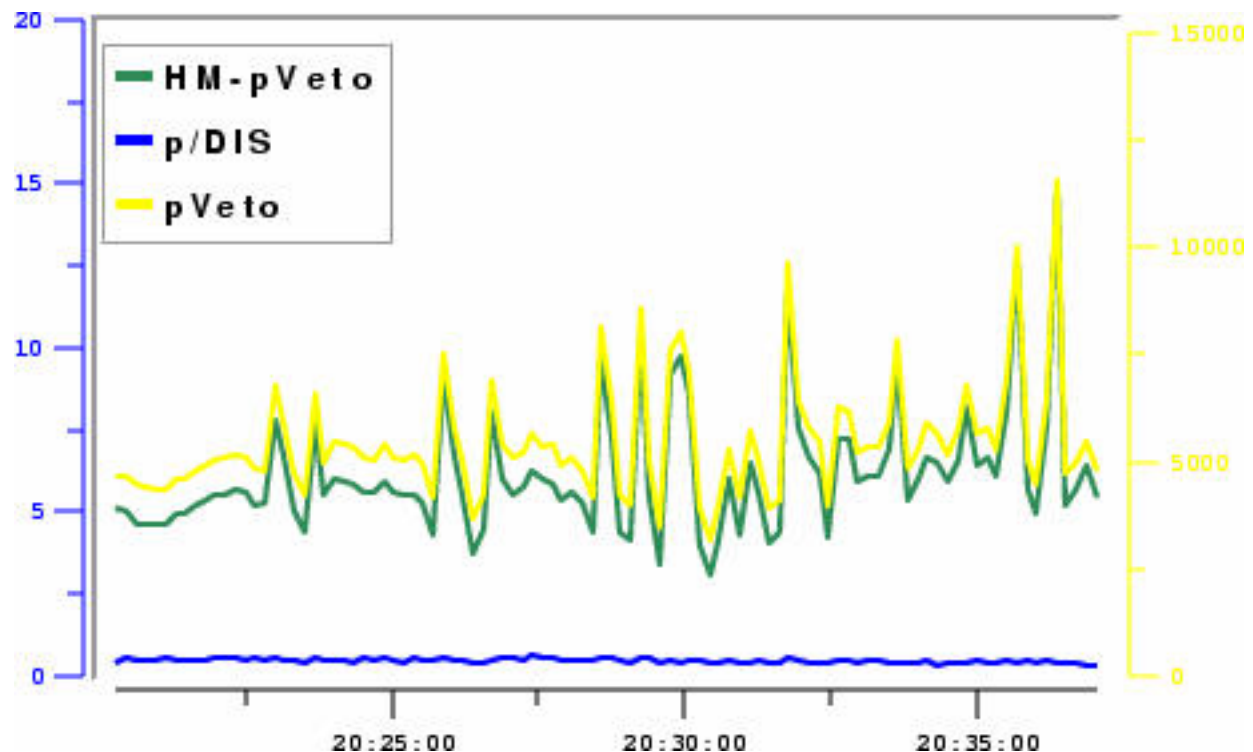
- Lambda Wheels (silicon detector)
- Target Cell



# Actual Conditions

Data taking proceeds in a smooth way:

- Reasonable background conditions.
- Good proton background even when H1/ZEUS request for beam scraping
- Occasionally spiky p-backgr. It doesn't affect the data taking.



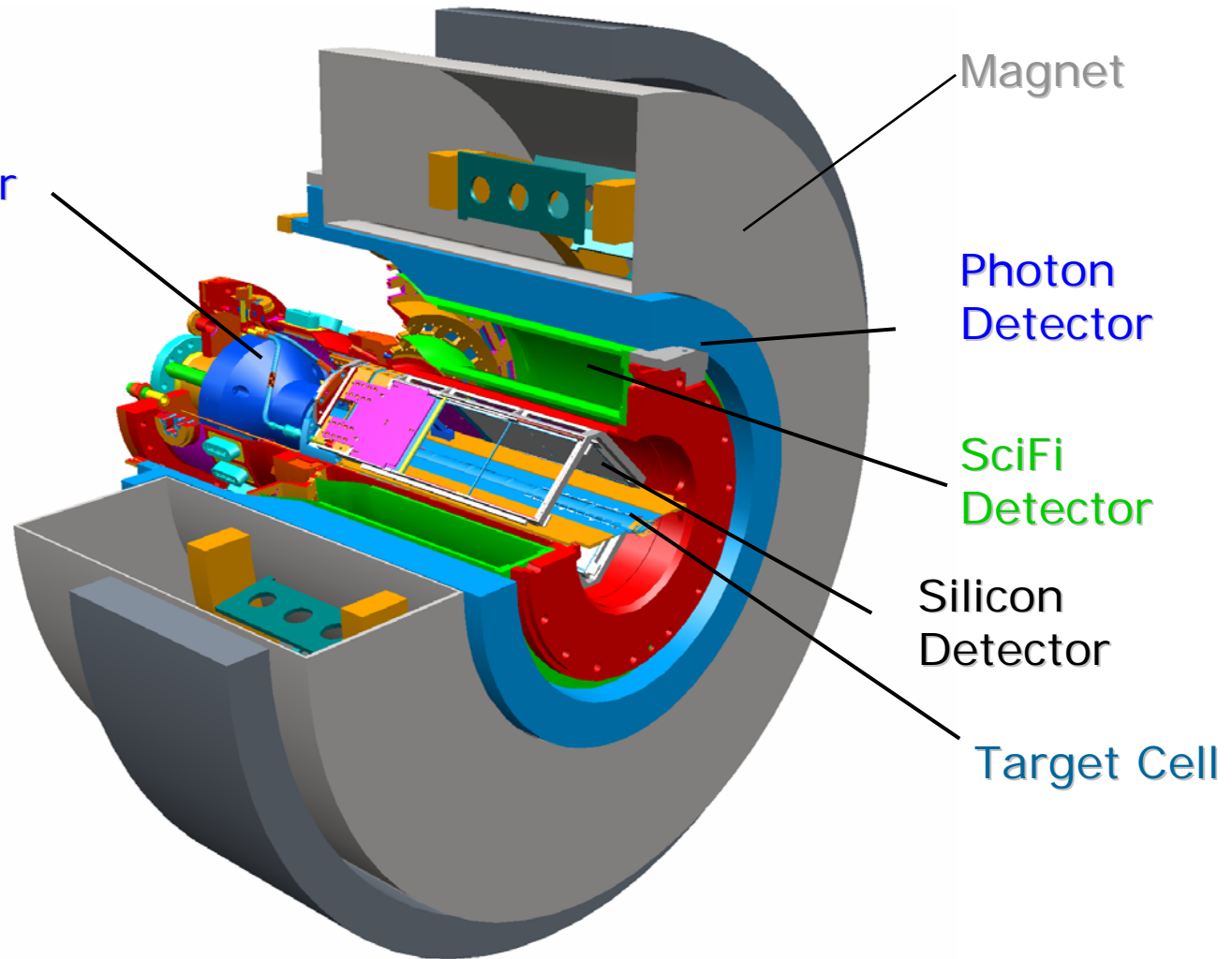
# Requests

- High electron current → 180 bunches
- More efforts on beam polarization
- Less random BKR-screen messages
- More feedback: serious problems with the target cell temperature when the beam was kept long at 12 GeV

# Hermes Recoil Detector



C3 Collimator





# The complete Test Experiment



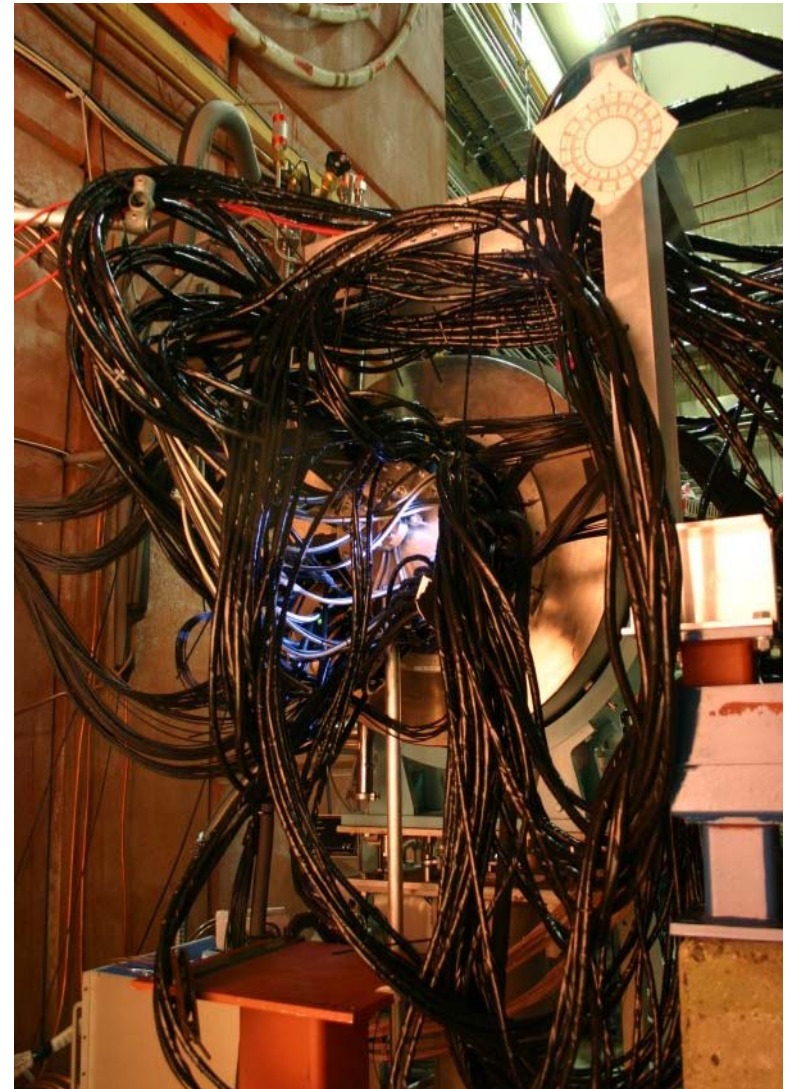
Ingrid-Maria Gregor

March 2005

# Status Test Installation



- ☑ Test Installation completed
- ☑ Target not installed
- ☑ Vacuum:  $3E10$ -8mbar, still decreasing
- ☑ Pedestal runs taken for all subcomponents
- ☑ Photon Detector readout commissioned
- ☑ Photon Detector threshold studies almost completed (cosmic trigger)
- ☑ SciFi: software for sparsification existing but not commissioned
- ☑ Silicon: software for sparsification under development



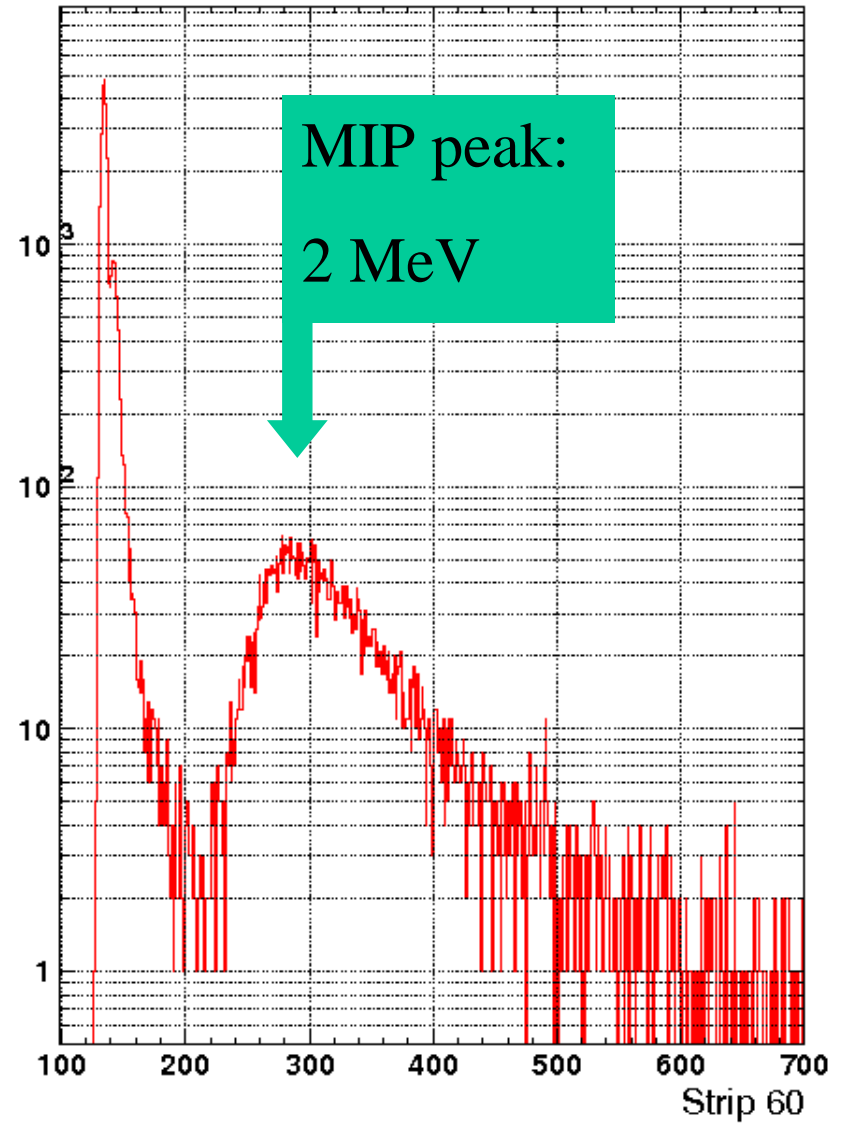
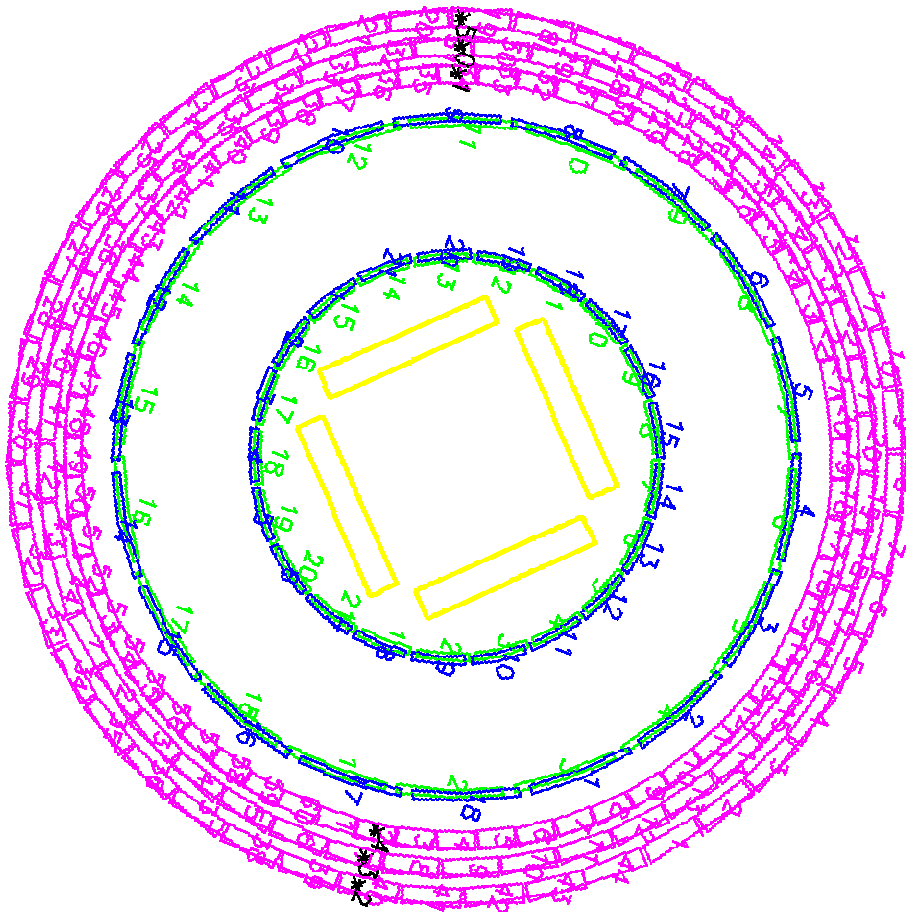
# From Test Installation to Real Installation

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- ↑ Take cosmic ray data in April and May
- ↑ Present projection for real installation: 7 weeks

Event display:  
clear cosmic in the photon detector



# From Test Installation to Real Installation

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- ↑ Take cosmic ray data in April and May
- ↑ Present projection for real installation: 7 weeks