

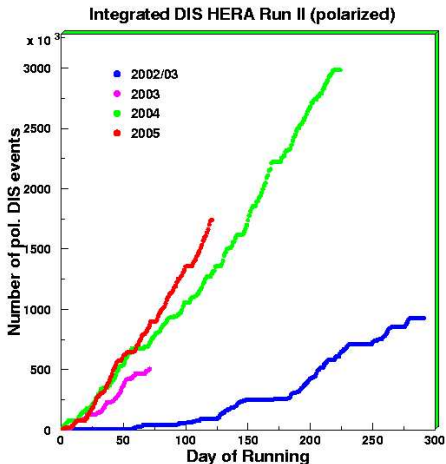
# Status of HERMES Running

M.Hartig

DESY

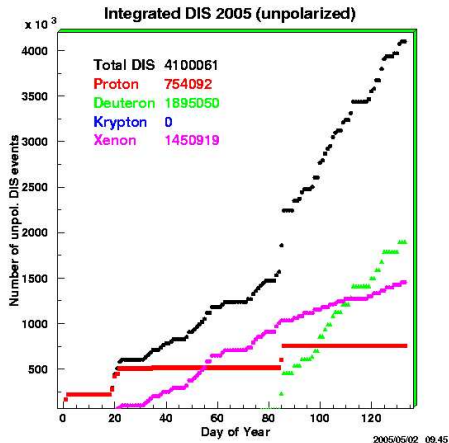
3. May 2005 / Hamburg

# Polarized Running



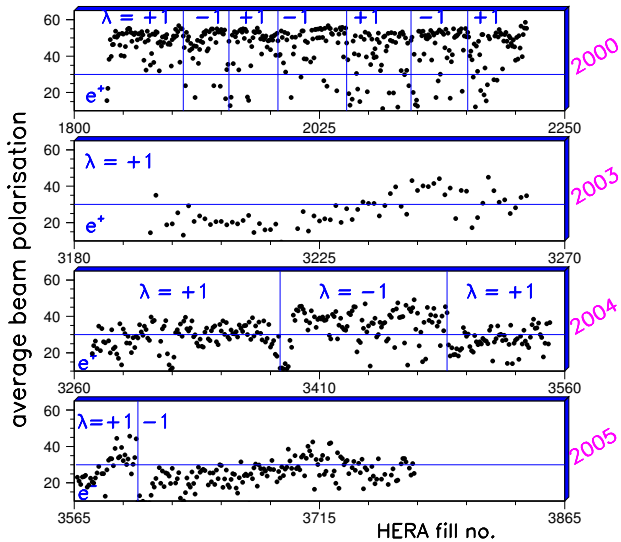
- 1.7 Mill. polarized DIS
- 98 % HERMES data taking efficiency
- BUT: 7.0 Mill. DIS with 50 % polarization for HERA II  
 ⇒ Need 20 Mill. DIS with present polarization

# Unpolarized Running



- Alternate between Xe and D
- 1.5 Mill DIS on Xe soon
- Start with Kr afterwards
- DVCS: Nuclear BSA with this polarization ???

## HERA Polarization



# HERMES Status

- Good detector performance
- Fast recovery of target:
  - Polarization:  $> 82\%$
  - $\alpha$ :  $90\%$
- Cooling problems with LW  
⇒ This has to be investigated

# Requests

- Improve e- polarization ( $> 40\%$  after 2 h) !!!
- Switch to 180 bunches  $\Rightarrow$  reduce beam-beam effects
- If not successful  $\Rightarrow$  discussion of solution
- (Possible maintenance day 1-2 weeks before ?)

# Recoil Project

- Test installation completed
- Vacuum: base pressure reached
- Tune up of individual detector components  $\Rightarrow$  most problems solved
- Aim of the next weeks: combined cosmics data taking

# Shutdown Plans

- 2 weeks moving HERMES into service position and back
- 8 weeks for recoil detector installation
- Assumption 40 h working weeks:
  - ⇒ Contingency time
  - ⇒ Time for Christmas parties
- Detailed plan within next weeks