# ZEUS STATUS HERA COORDINATION MEETING March 15, 2005 <br> W. Zeuner 

- Detector Status and Data Taking
- Preparation of STT Repair


## Detector Status and Data Taking

- ZEUS components are fine
- Data taking works efficiently
- Data quality is very good
- Delivered luminosity is impressive
- Already more electron data than in 1998/99
- Proton background sometimes very bad
- Polarization still low

Integrated Luminosity Efficiency



Background problems and beam scraping not subtracted

Luminosity efficiency per day


With good background conditions the luminosity efficiency is typically above 80\%

Background conditions vary from fill to fill

Good Conditions before the cryo-failure - Feb 18-20


Proton background low and stable - minor spikes did not do any harm


## Completely different picture, e.g. March 11



Something strange happens at begin of luminosity running


New feature since restart after cryo-problems

## Background is not reproducible...



Good conditions March 13

## Preparation of the STT Repair

News since last meeting

- Construction has been (almost) finalized
- Construction of support and FE-load calculation finalized
- Preliminary ok from external reviewer Final discussion today or tomorrow at DESY
- Production has started
- Discussion with Machine Group (M. Bieler et al) on Feb. 4 No objections

Next: Test assembly and tests with dummy load in May
Ready for use: End of May - as planned from the beginning
In parallel work is ongoing to improve the cooling of the STT




