

ZEUS last week



HERA weekly meeting A. Geiser 7.12. 2004

Congratulations to HERA for providing great startup luminosity!

> ZEUS: successful data taking on very first fill(s)

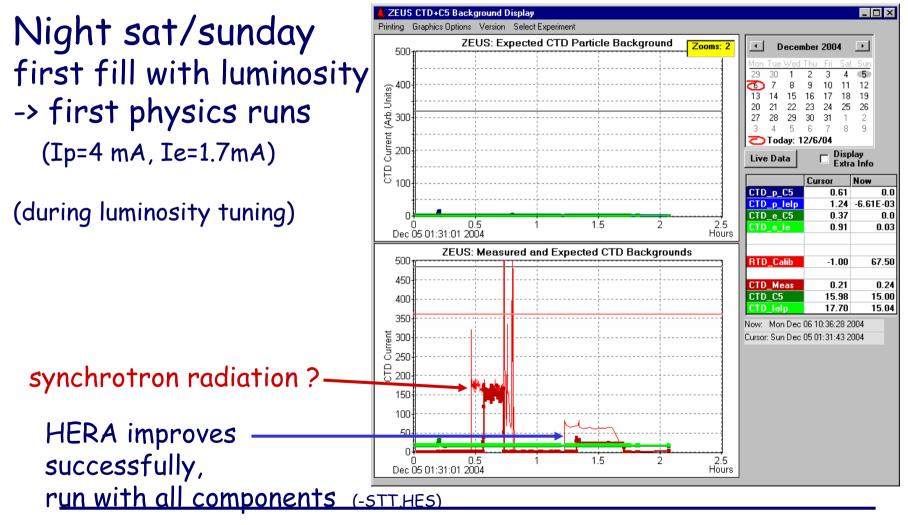
Radiation incident on saturday

Achim Geiser



ZEUS last week: first luminosity







ZEUS last week: first long fill



Luminosity fill of early monday morning



Achim Geiser



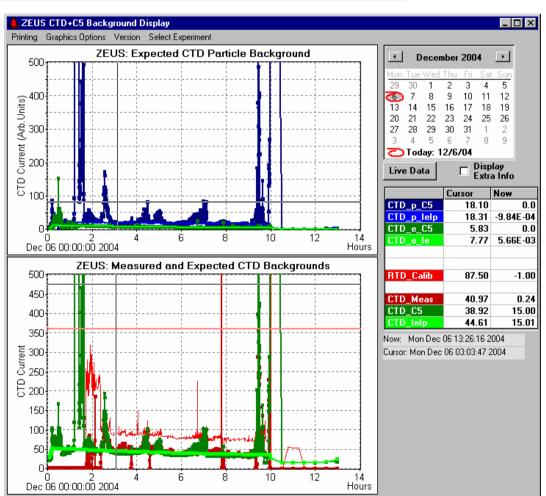
ZEUS last week: first long fill

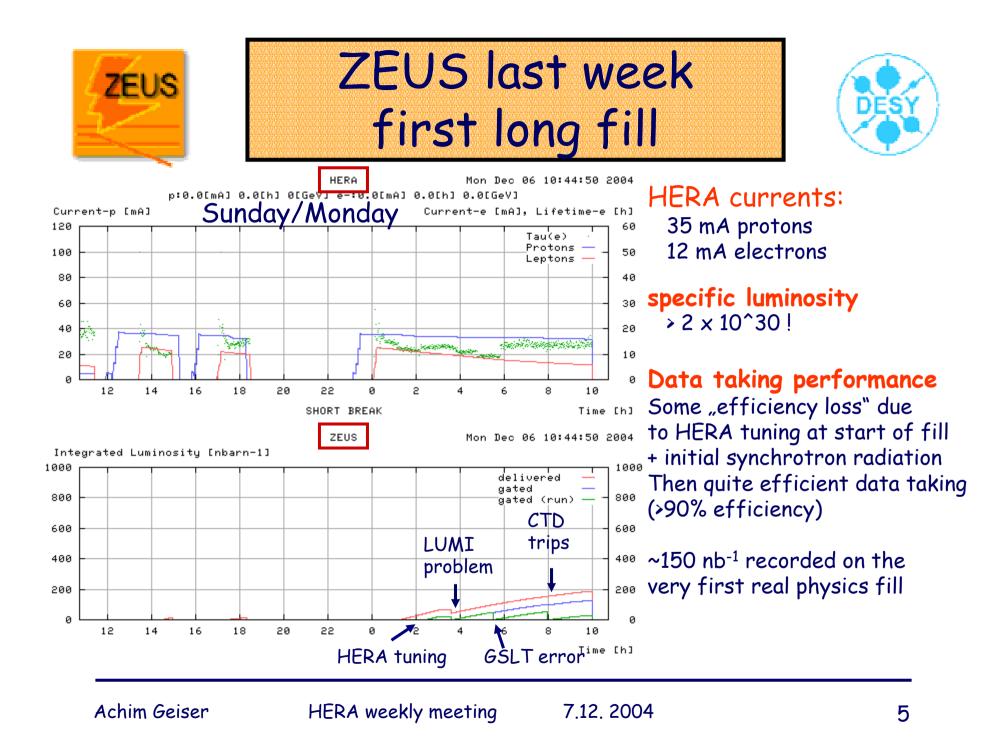


Early monday morning

A few hickups, but amazingly good performance (both HERA and ZEUS) for luminosity startup!

successfully taking data with all components (-STT,HES)



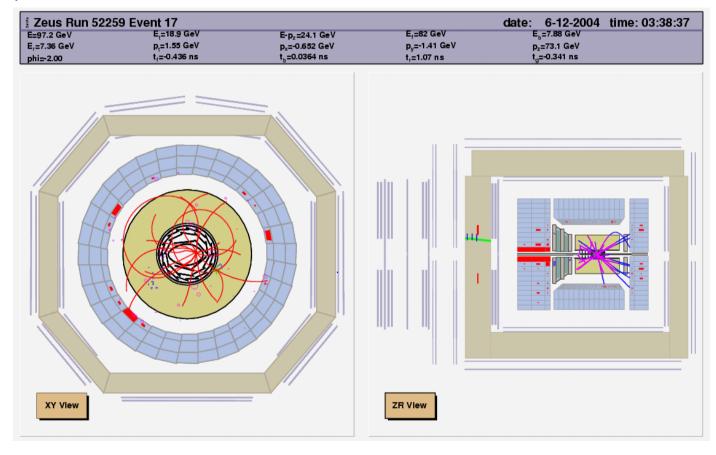




One of the first e⁻ events since 1999



photoproduction candidate



Achim Geiser

HERA weekly meeting



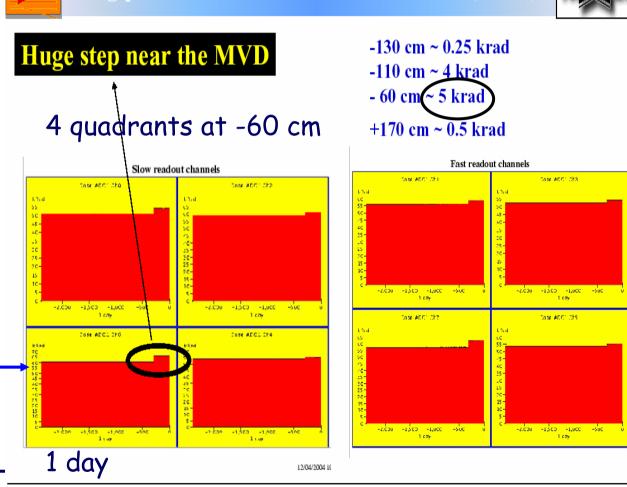
ZEUS last week:



major MVD radiation incident saturday just before luminosity:

~ 5 krad near MVD

RADFET dose integrated since Oct 03: 60 krad



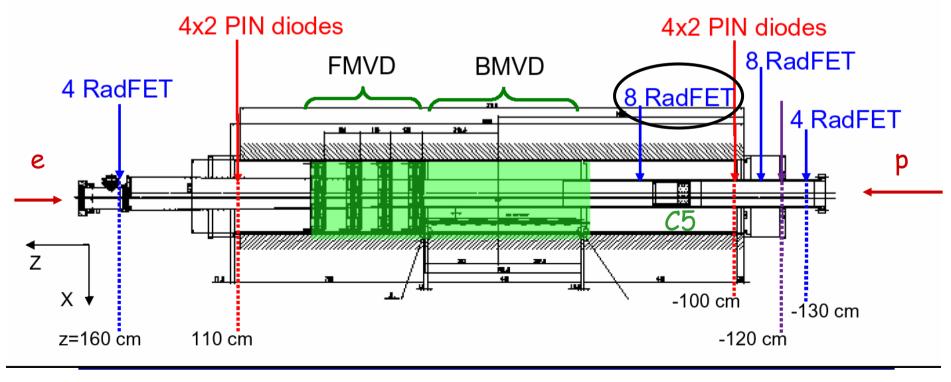
Big proton accident: RADFET -60 cm (MVD)





Radiation monitor system:

- 16 silicon **PIN diodes**
- 32 RadFETs



Achim Geiser

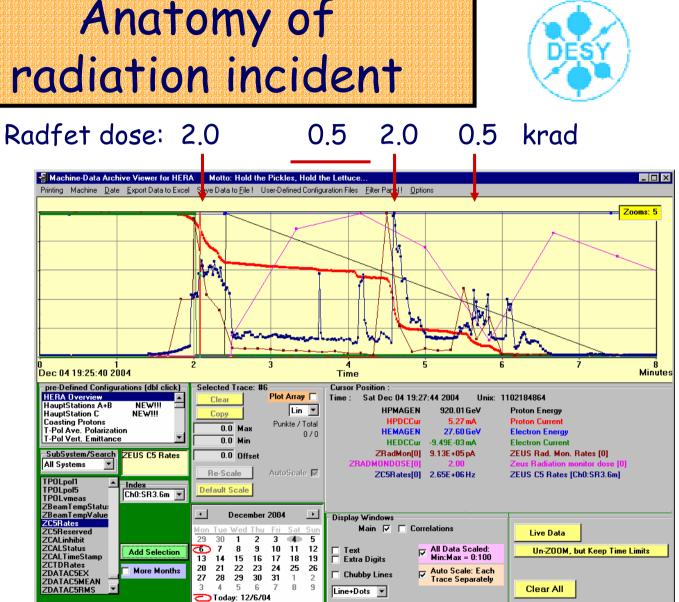


Saturday dec 4

- ~19:27 start of p loss + e dump
- ~ 19:30 another major p loss
- + smaller losses

correlated with RADMON, C5. and RADFFT

total dose at -60 cm ~ 5 krad





Summary



>fruitful two-month preparation by shift crews and component experts
-> ZEUS is well prepared to start data taking with good efficiency

- First luminosity produced by HERA this weekend first electron events since 1999 recorded with almost all components
- major radiation incident for MVD on saturday part of damage might have been avoided by immediate manual proton dump
- one RADiation MONitor diode (15) switched off (failure due to accumulated radiation dose?)
 -> automatic dump system temporarily less sensitive will try to recover on wednesday

> good prospects for e- physics in next few months!