

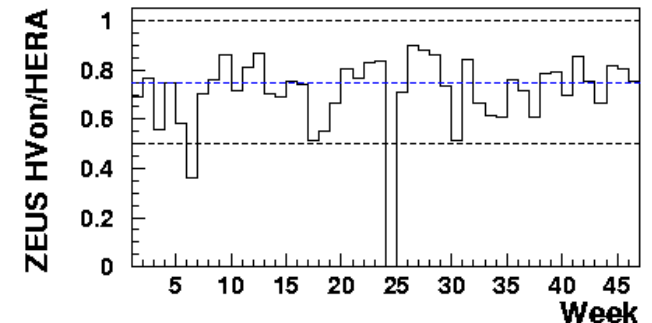
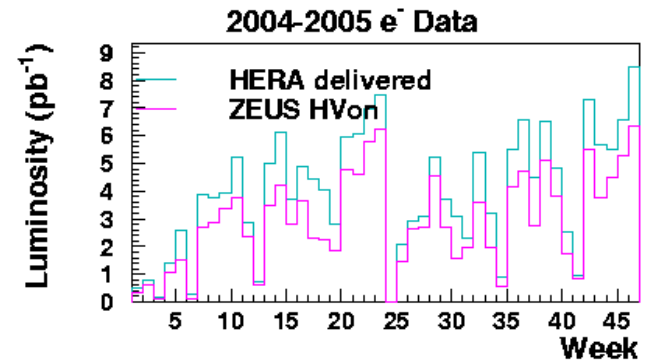
HERA and ZEUS week41

efficiency	lost by DAQ Not Active	lost by CTD trips
70%	8%	18%
83%	5%	11%
81%	5%	8%
77%	9%	10%
87%	2%	8%
82%	4%	11%
56%	35%	19%
74%	12%	17%
80%	5%	13%
87%	2%	10%
90%	5%	4%
77%	5%	14%
77%	4%	18%

Efficiency fill-by-fill

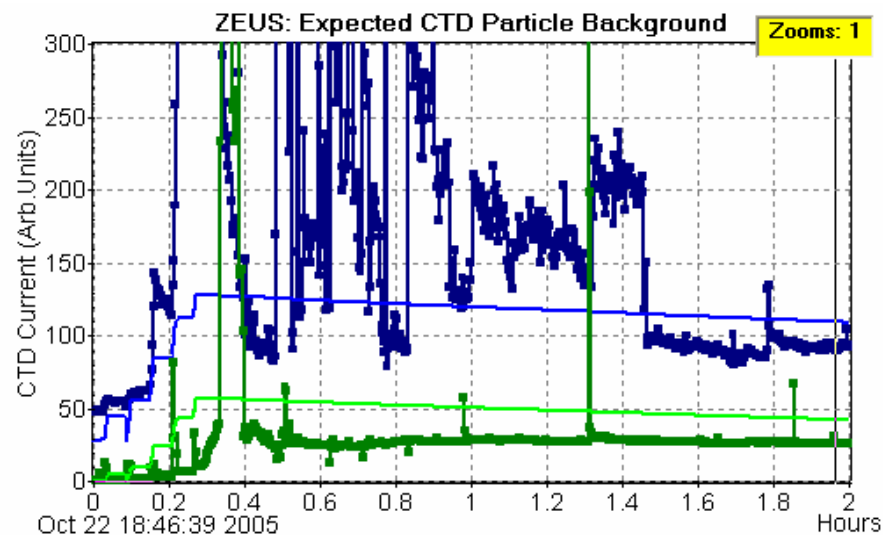
- Unfortunately not very successful week for ZEUS
- Many chamber trips
 - Beam degrading during a fill
 - Long time beam tuning at the beginning of the fill
 - Trips with unknown reason

DAQ off as the CTD was tripping

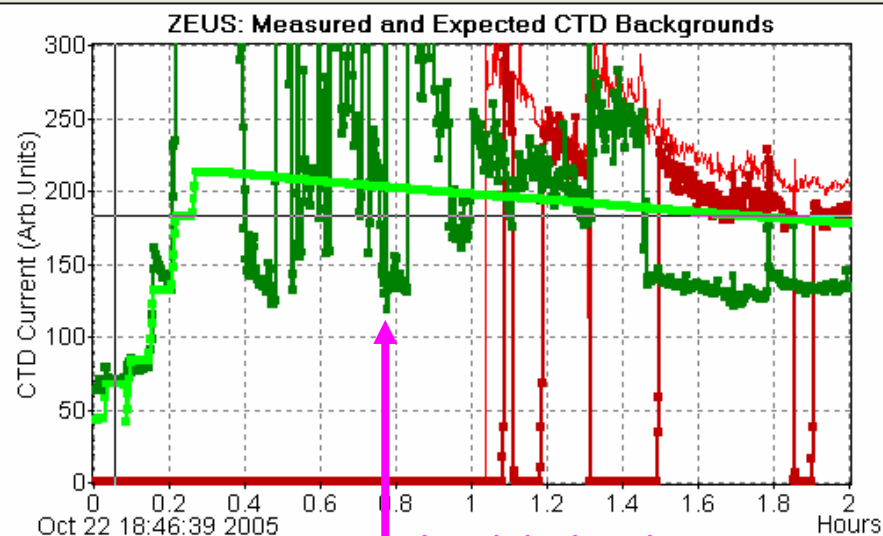
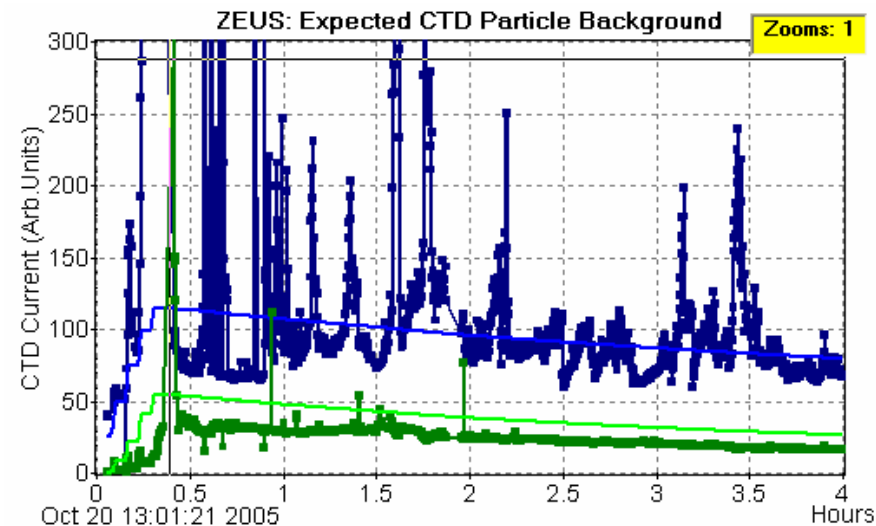


Example of fills with long tuning time

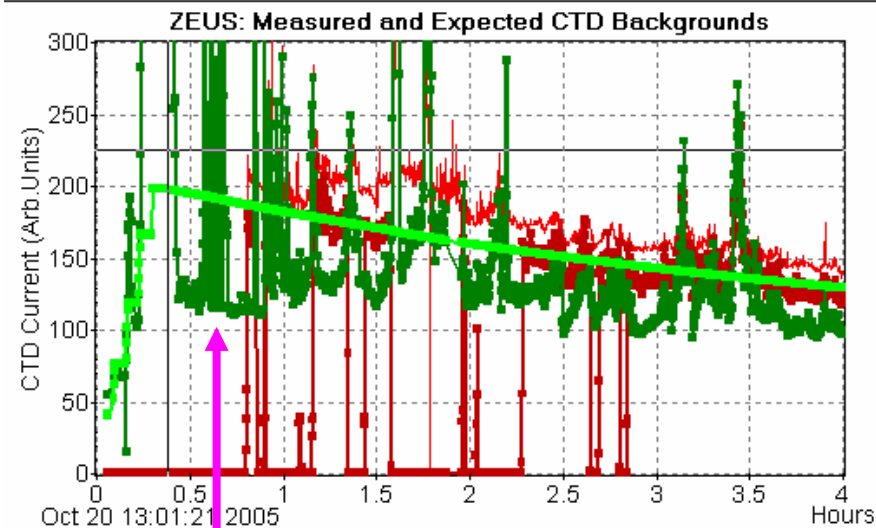
(1): 22 Oct 19:33-



(2): 20 Oct 13:45-



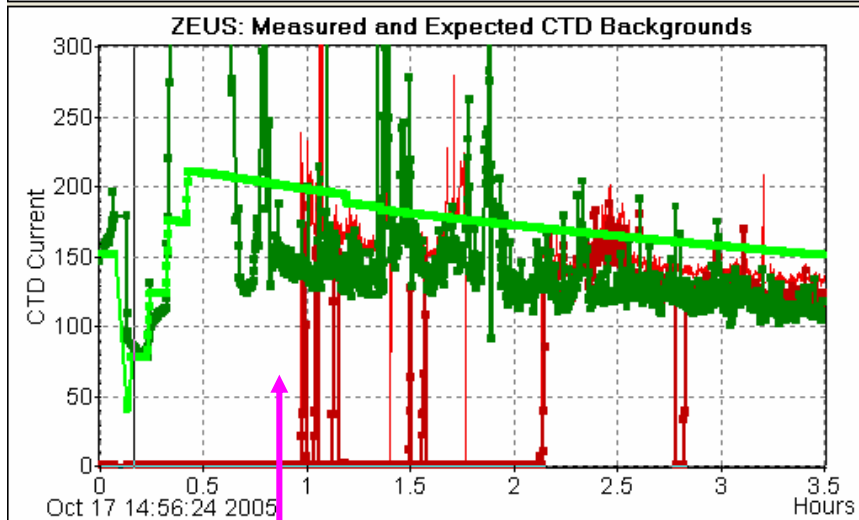
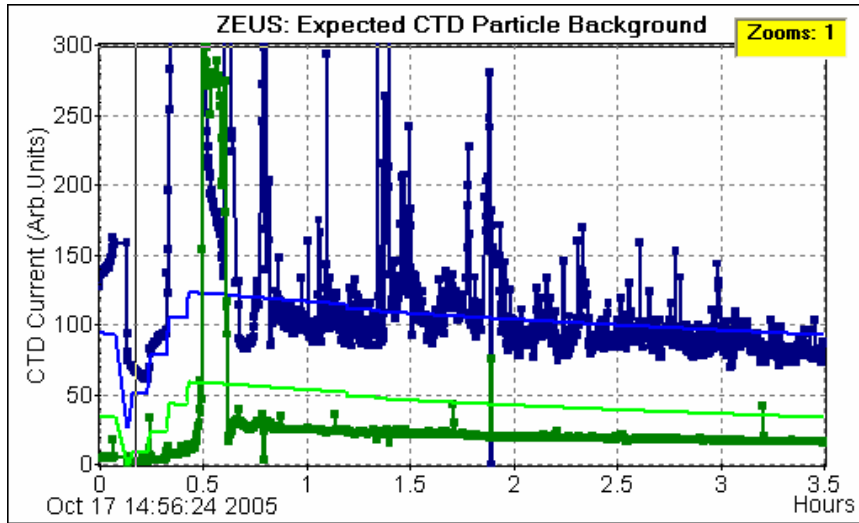
Lumi declared



Lumi declared

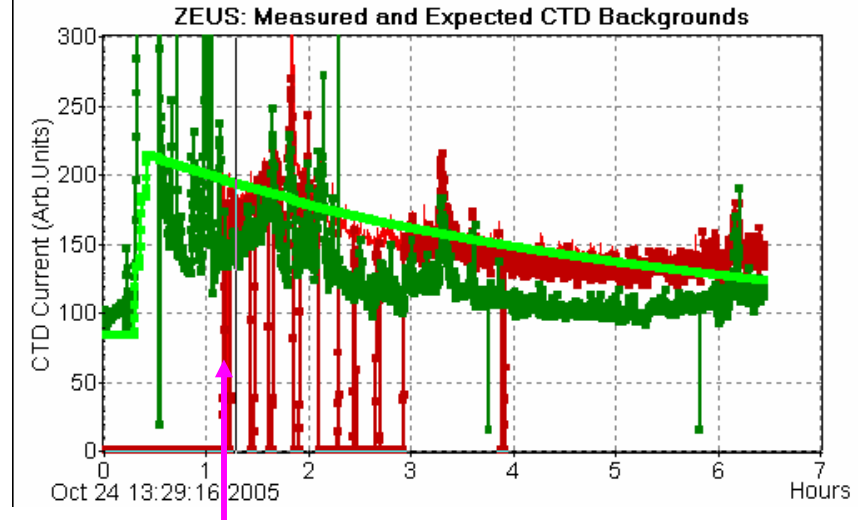
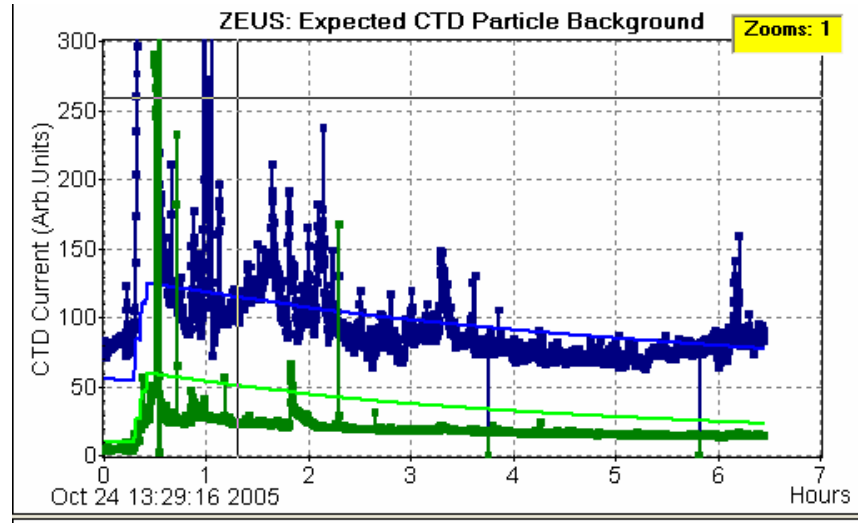
Example of fills with long tuning time(2)

(3): 17 Oct 15:50-



Lumi declared

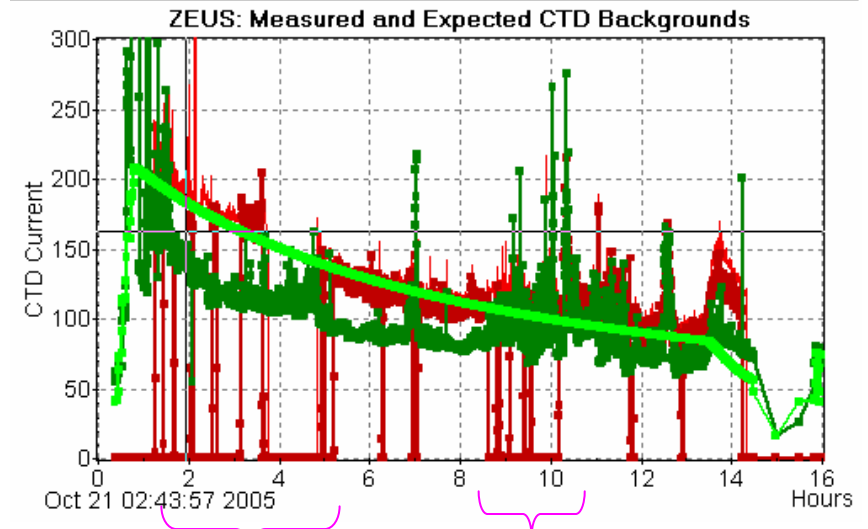
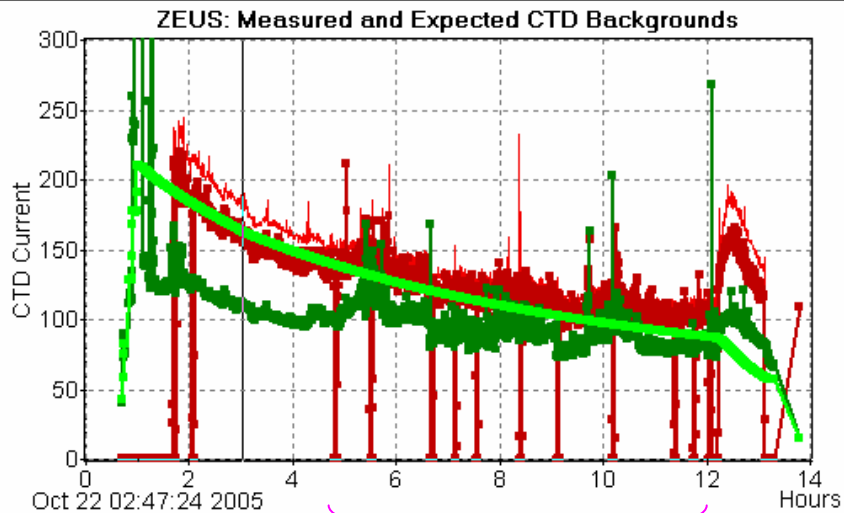
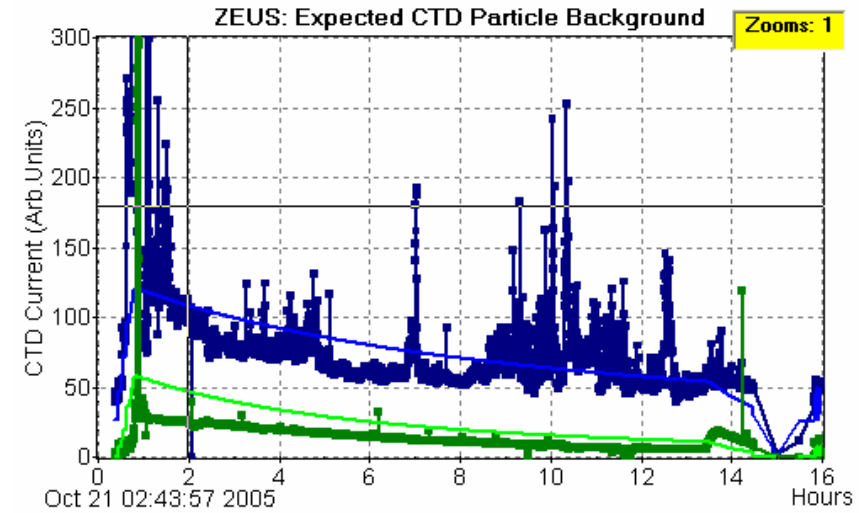
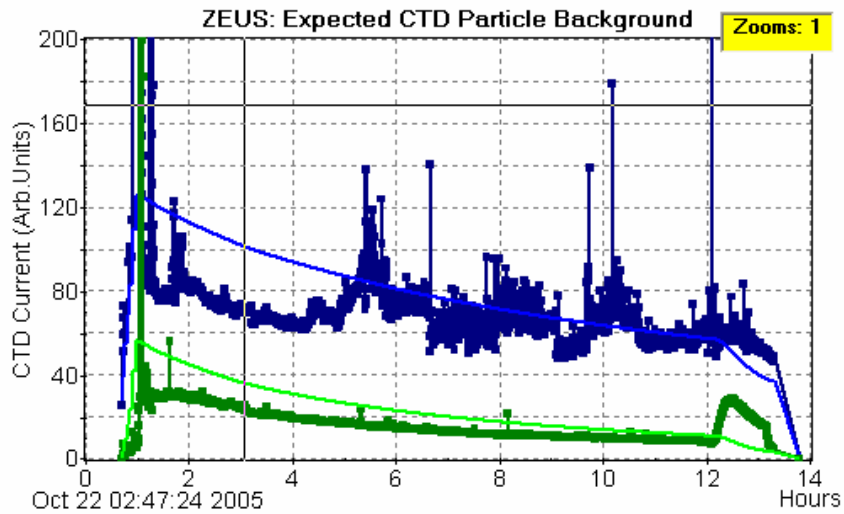
(4): yesterday 24 Oct ~ 15:00



Lumi declared

Proton beam degrading: still the issue

... although the proton life time is good (> 200hrs)



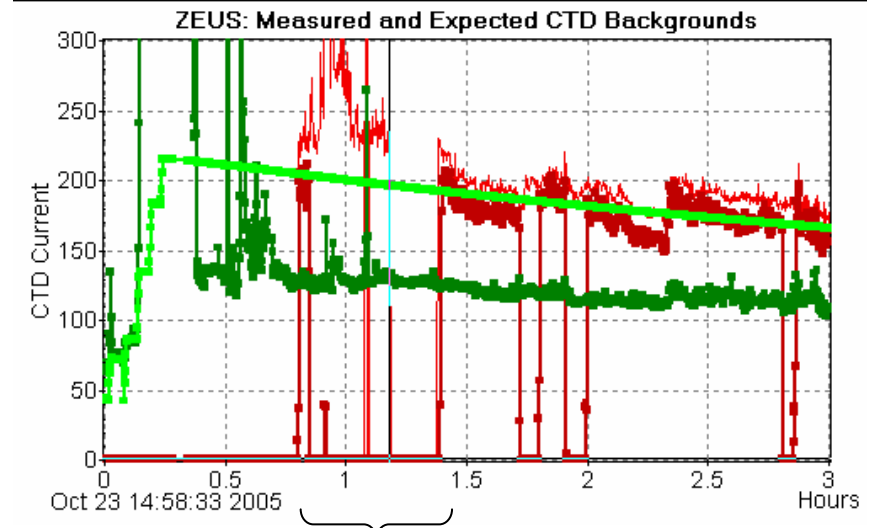
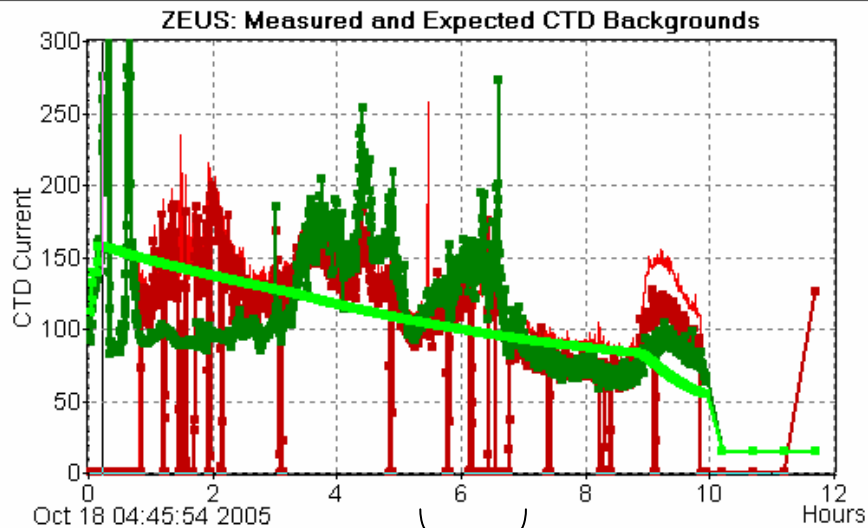
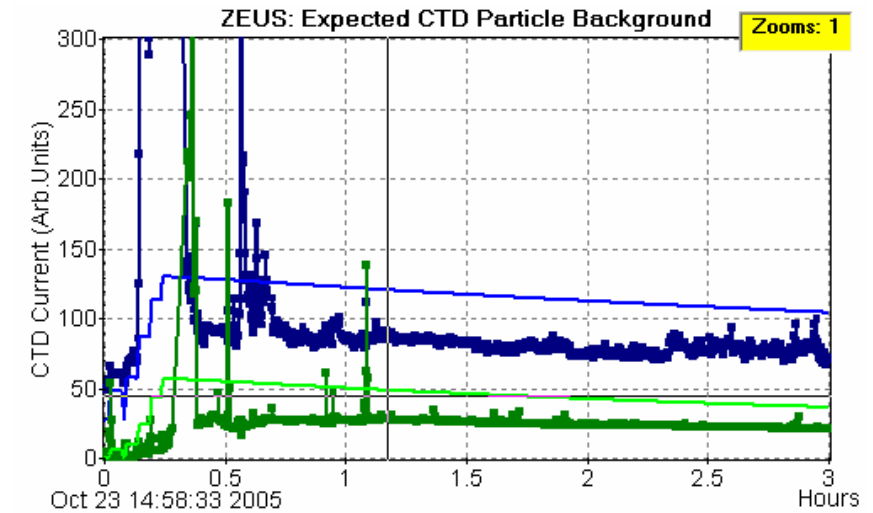
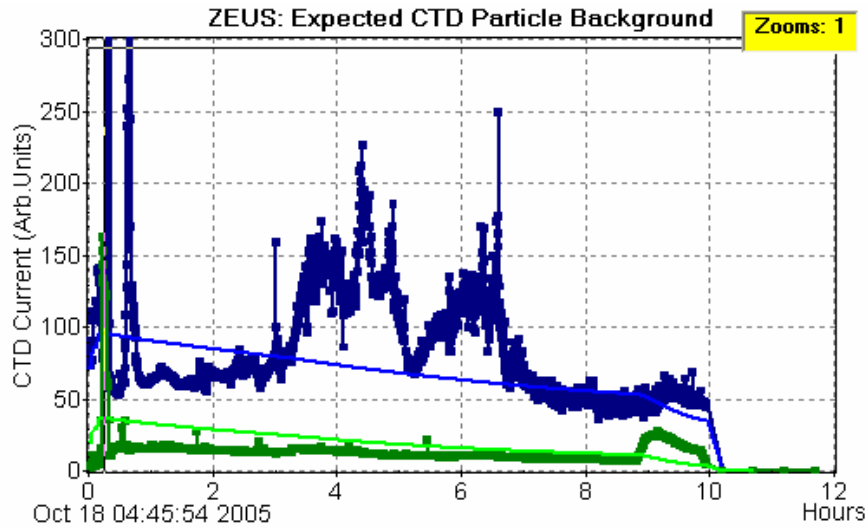
Trips: mainly from protons
8 % loss in data taking

Forward tracker tripping
Maybe large-angle sync. rad ?

Collimator
adjustment

Proton beam degrading (2)

Sync. rad ?



e-tune (pol.)

Collimator
optimisation

Sync. rad ?

Other comments in the HERA logbook:
West area bumps, e-tunes