

ZEUS Status
HERA Coordination Meeting
30.8.2005
W. Zeuner

- ZEUS Operation
- Shutdown Planning

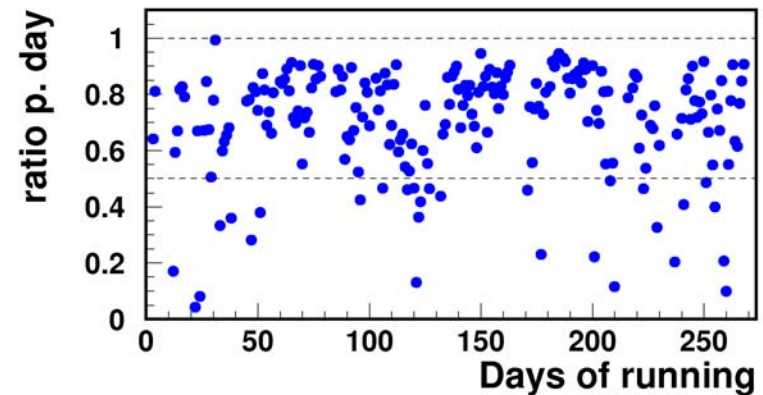
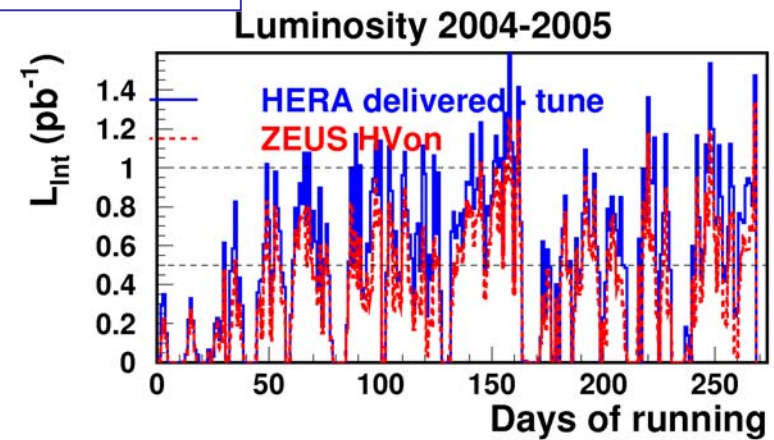
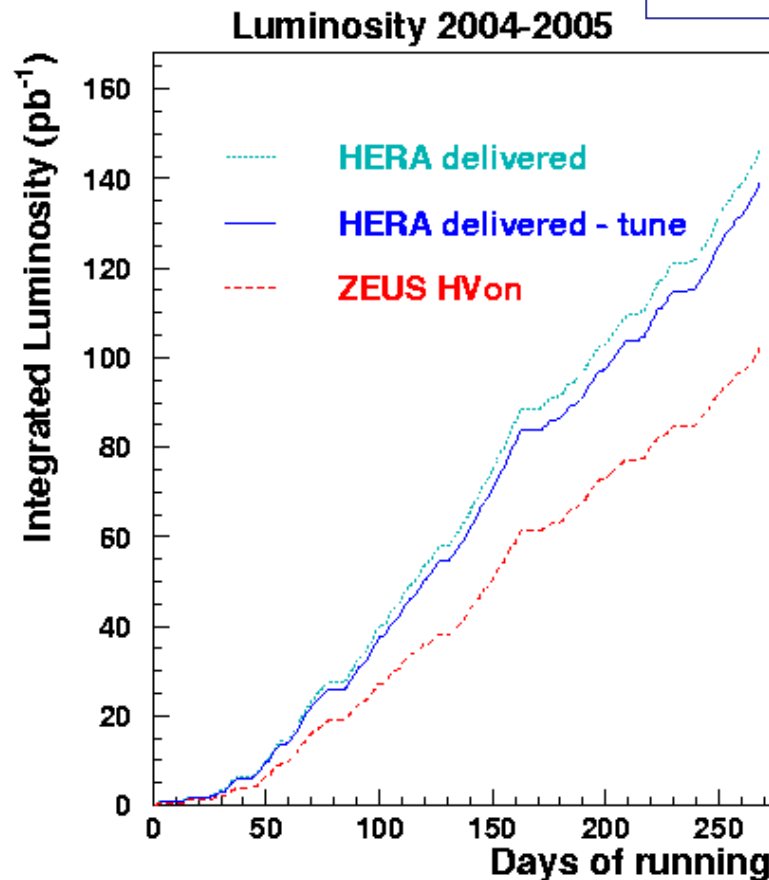
ZEUS Operation

Luminosity (29.8.05, 00:00) delivered: 139 pb⁻¹

ZEUS gated: 102 pb⁻¹

ZEUS supports change of polarization direction on Sept. 7

ZEUS is running fine

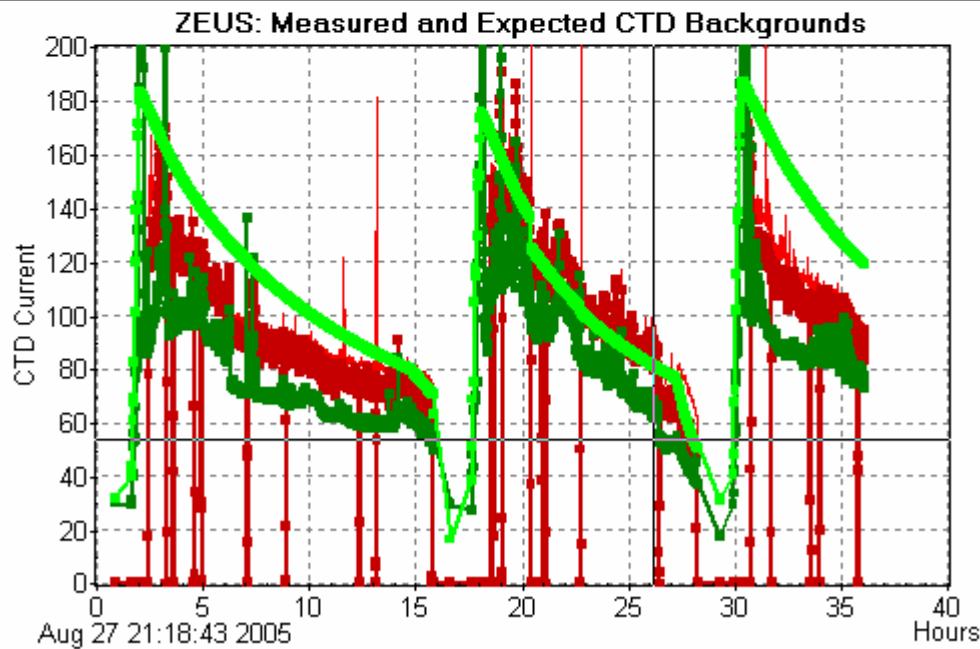
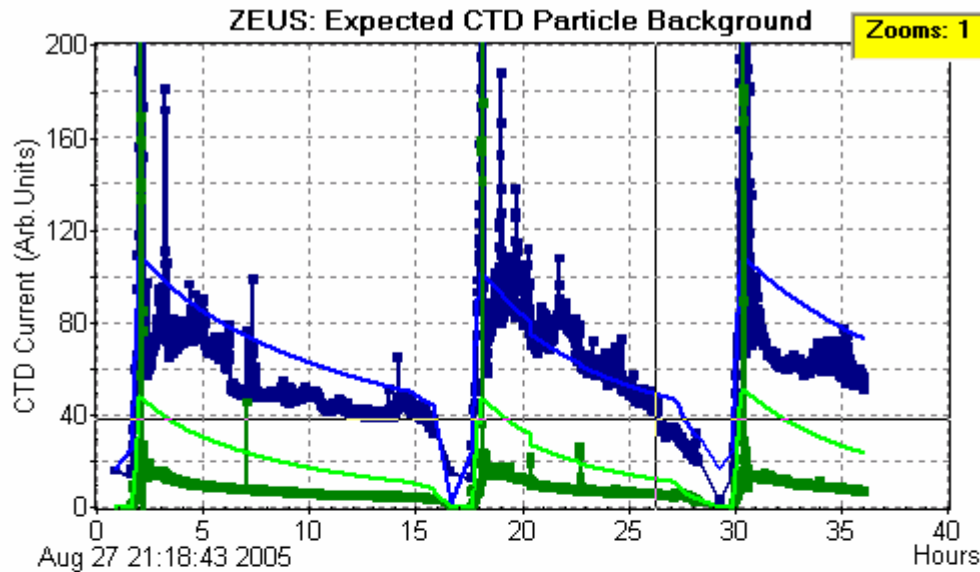


ZEUS Operation

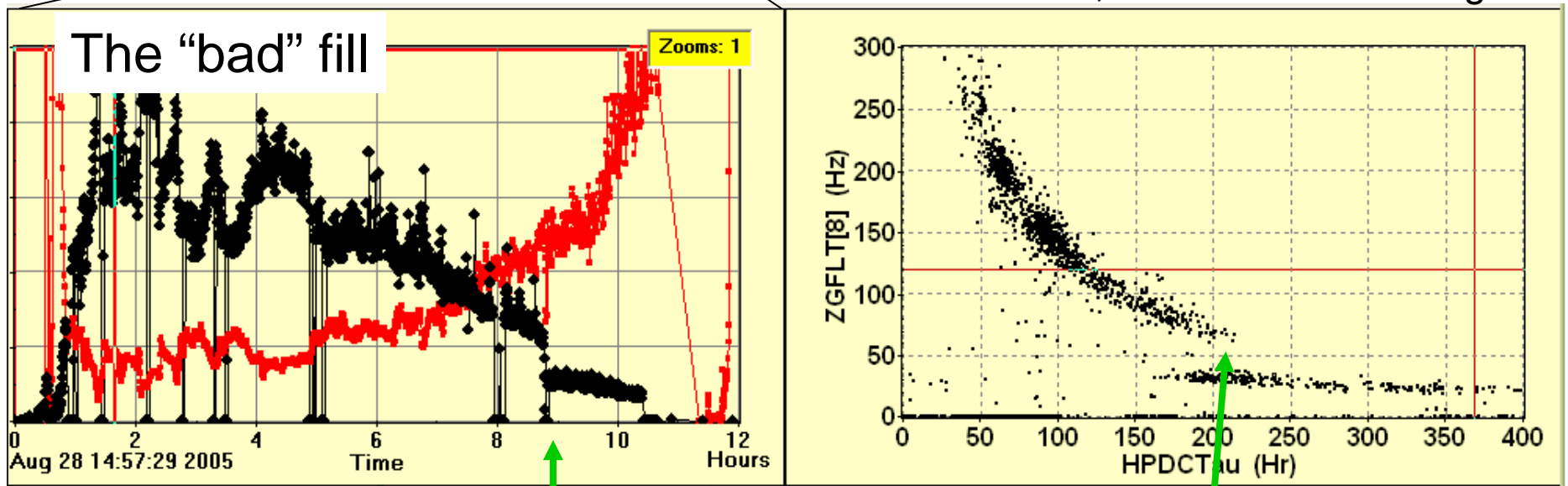
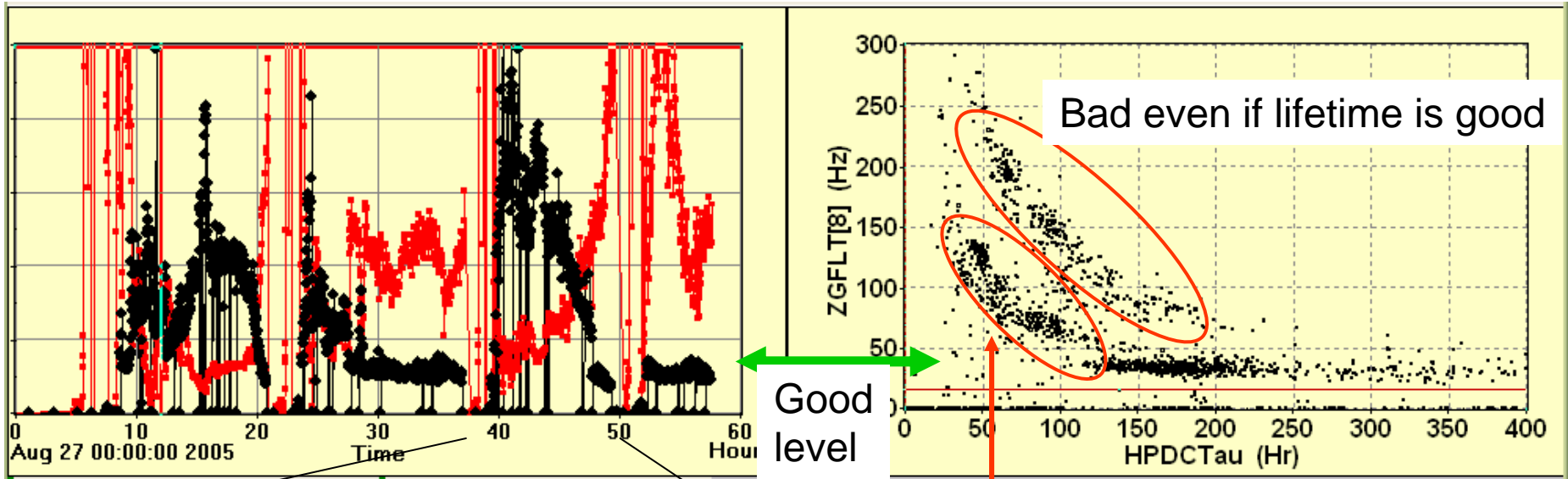
Recently efficiency losses mainly due to background problems
p-lifetimes < 50 hrs regularly cause problems
e-lifetimes < 5 hrs make us very sensitive to spikes

Since Saturday situation improved significantly...
Sunday ZEUS recorded 1.3 pb^{-1}

But even with reasonable lifetimes and stable HV operation
ZEUS is NOT always happy....

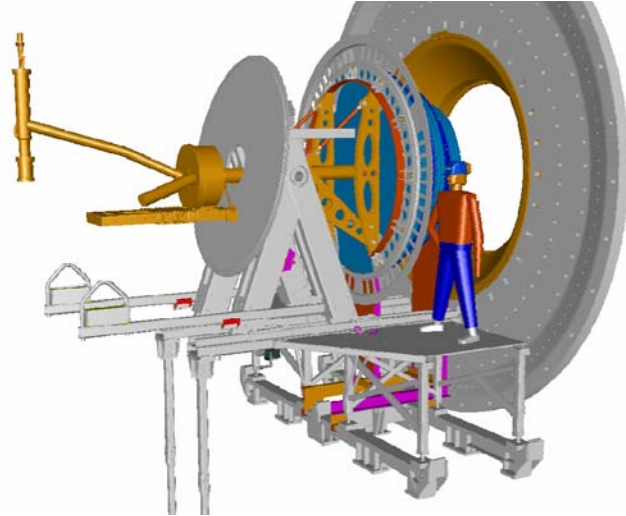


- Fills after Saturday are good in CTD current
- Still the fill on Sunday night had trigger rate problem
 - Events with large negative p_x in correlation with life time



“Das Paerchen WR094 Oben <--> WR033 Oben dichter an Strahl. Leider dabei ein Trip verursacht. Nichtdestotrotz stehen die Kollis besser so: Untergrund in allen Experimenten sinkt.”

Shutdown Planning



On schedule for November
Delay of main carrier is not a problem

Test setup ready
Load tests underway
No surprise yet



Cooling system for frustum under construction
Good progress – no problem expected



Planning for some other repairs is ongoing
CAL, HES, BAC, BMUON...

Up to now everything fits into the schedule...