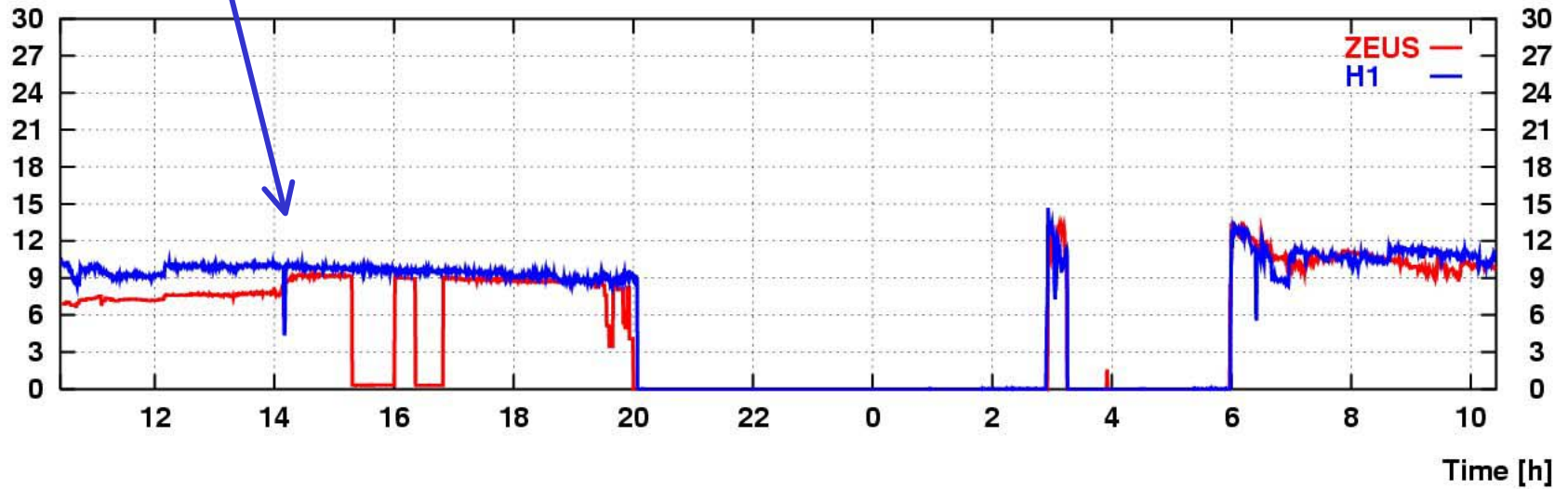


Proton vertical angle corrected

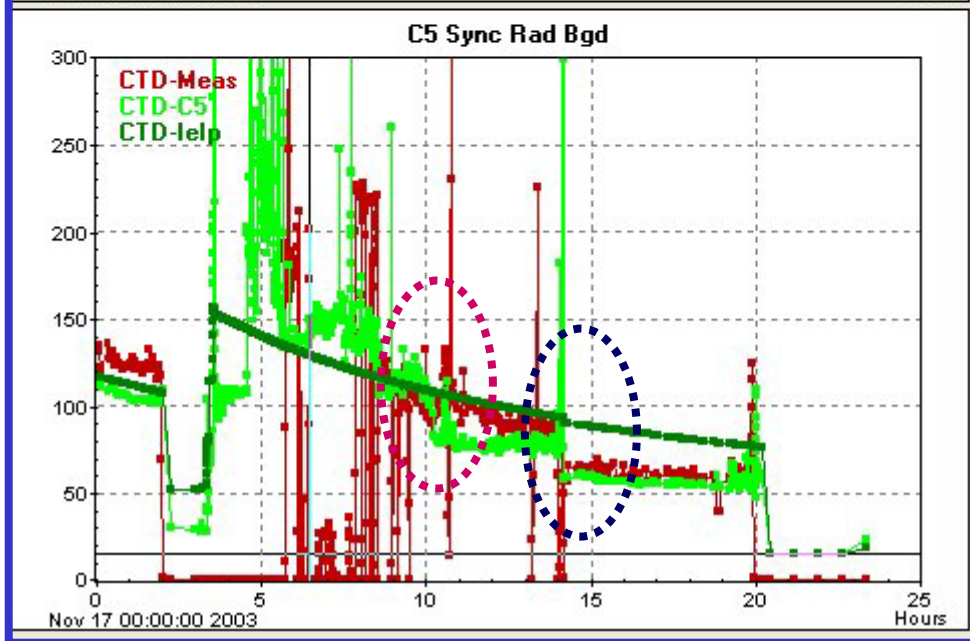
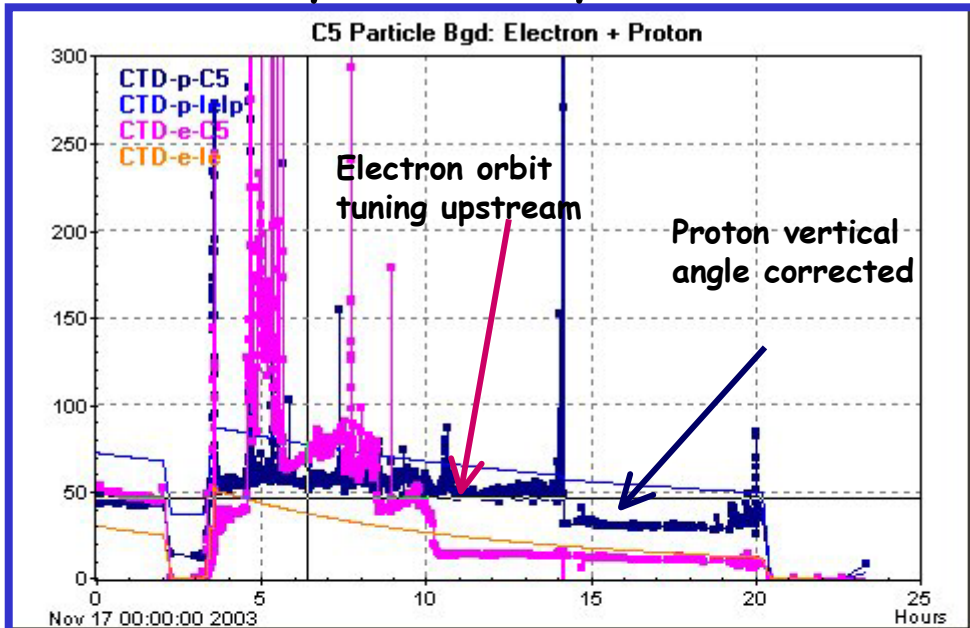
H1 and ZEUS

Tue Nov 18 10:25:08 2003

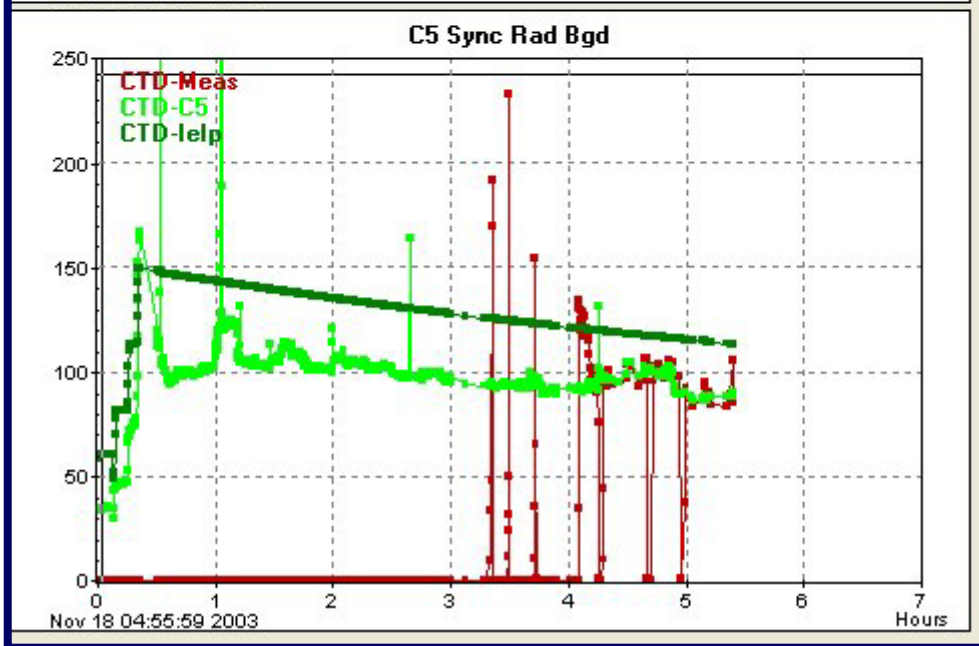
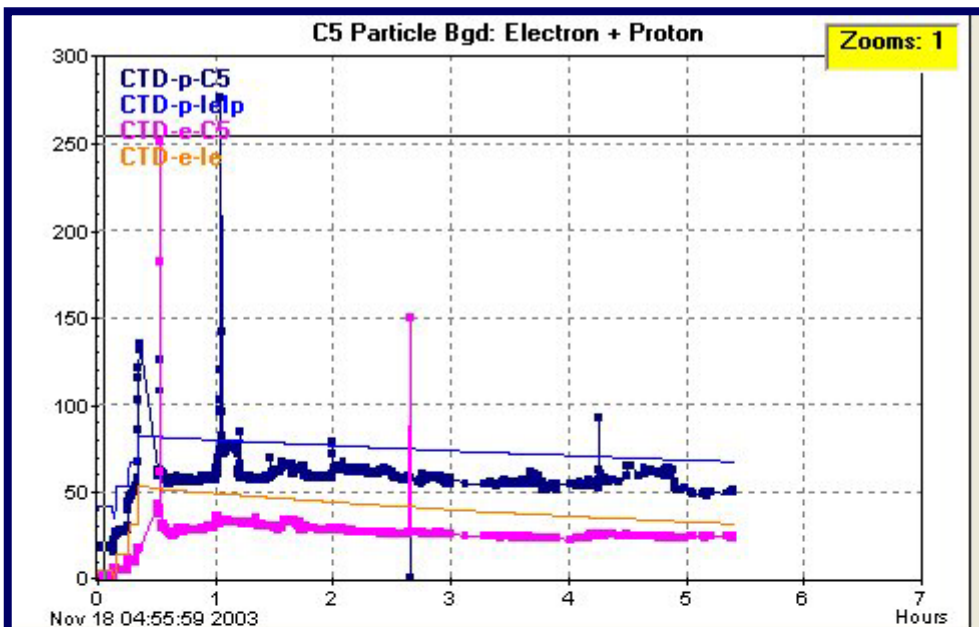
Specific Luminosity [$10^{29} \text{cm}^{-2} \text{s}^{-1} \text{mA}^{-2}$]



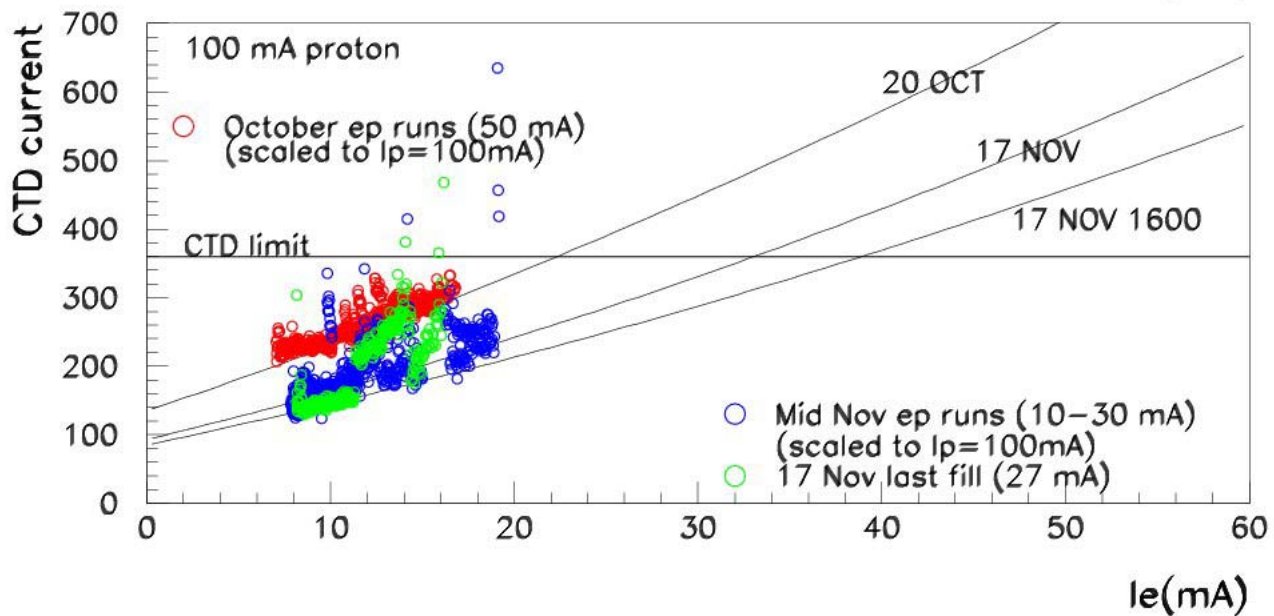
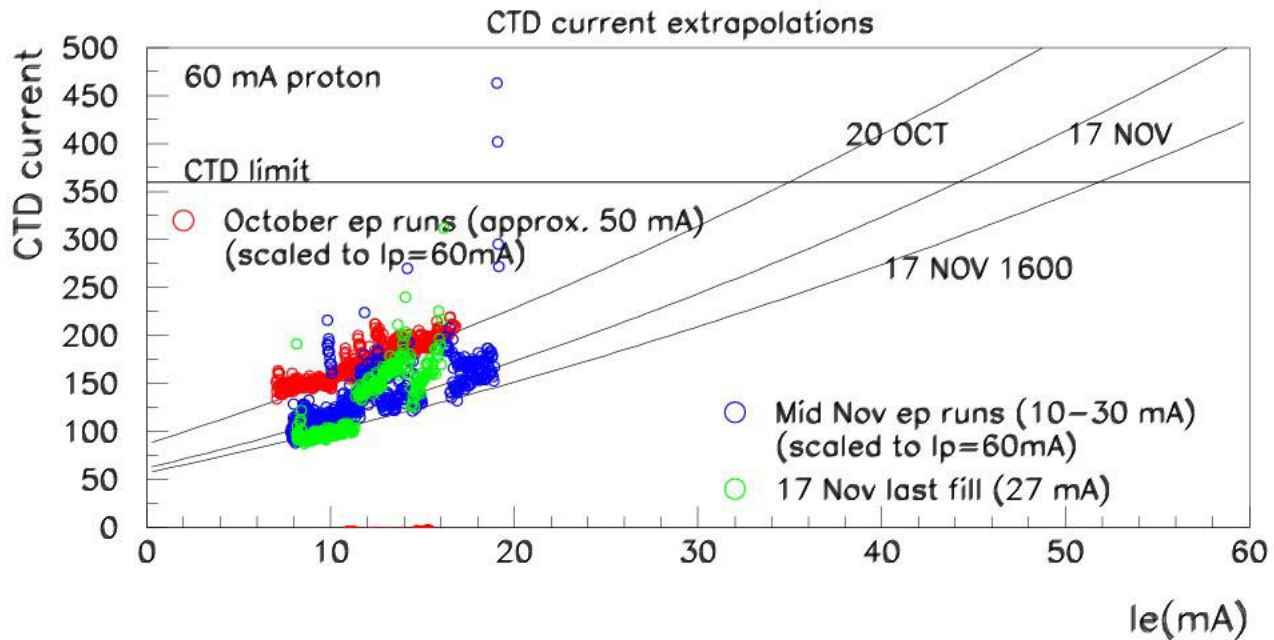
yesterday



- A sizable fraction of particle BG is not particle-gas, can be tuned out
- Both e and p background are below Oct 20th expectation



- Today, good BG from particle but high current from synch. rad.
- Tuned with bump SL75-HO
- Need a better tool to tune for light, in preparation



Other issues

- Still radiation from injections and dumps
- CAL opening and closing
 - Considering beam dumps (and maybe e injection) with CAL closed
 - Need to get to clean injection and dumps first
 - Study needed

Conclusions

- BG satisfactory
 - Tuning need to get a fast routine operation
- Priorities for ZEUS
 - ✓ Stable machine operations
 - Higher p currents and faster tuning
 - Synch. Rad monitor in preparation
 - Study scintillators before an e dump
 - Clean injections and dumps
 - Higher spec lumi and polarization