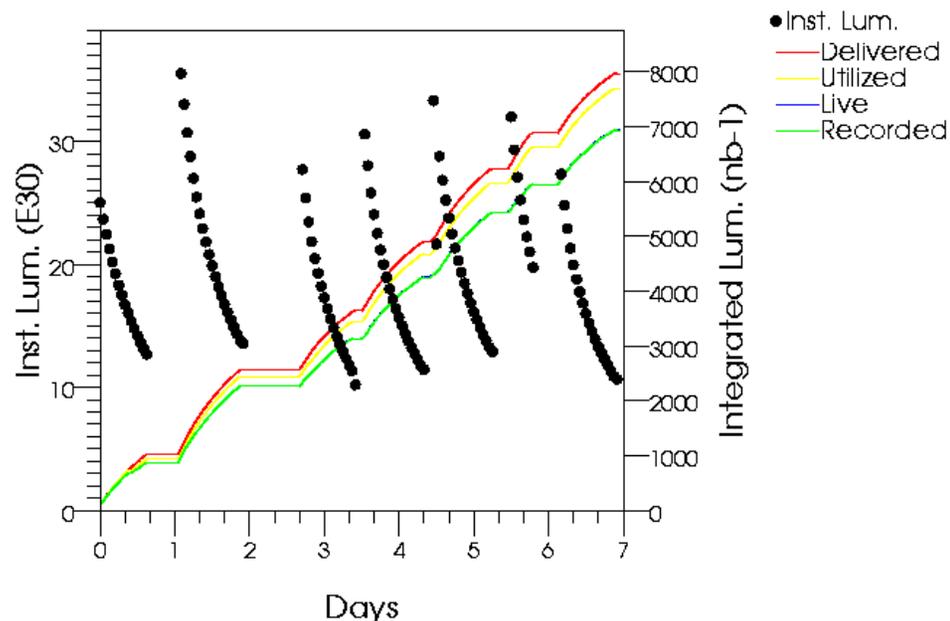
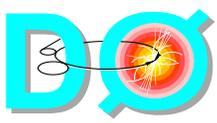


DO Weekly Summary: June 23 to June 29

- Delivered Luminosity and operating efficiency
 - ◆ Delivered 8.0pb^{-1}
 - ◆ Recorded 7.0pb^{-1} (87%)
- Mostly smooth data taking
 - ◆ More "minor" issues than usually
- Total number of events collected
 - ◆ 14 mln
- Beam halo
 - ◆ Mainly close to be within specs
- Beam position
 - ◆ Within 1mm from the detector center and stable

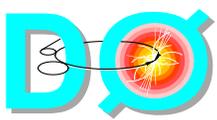


Day of the Week



D0 Data Taking

- Smooth data taking during D0 week long Workshop
 - ◆ "No changes" policy
 - ◆ Good support from available experts
 - ◆ Well developed documentation, procedures
- Current issues
 - ◆ Calorimeter sees "new" noise starting ~ a week ago
 - ▲ Spikes a few minutes long a few times per day (not every day)
 - ▲ Experts are trying to understand this issue
 - ▲ Not seen over last ~ 2 days
 - ◆ Radiation related failures in muon electronics
 - ▲ During peak losses: injection, acceleration, scraping
 - ▲ Muon electronics is "outside" of the D0 detector and exposed to high fluxes
 - ▲ Looks similar to CDF's silicon power supplies problems earlier in Run 2
 - Not as massive and/or serious (yet)
 - 3 different elements: PDT front-end and control boards, and trigger counters
LVPS are affected
 - ◆ One front-end card for fiber tracker (512 channels)
 - ▲ Intermittent problems
 - ▲ Tried 2 different fixes - no 100% resolution for now



Summary

- Mainly stable data taking with ~90% weekly operating efficiency over last 4 weeks
 - ◆ Summer 2003 operating efficiency goal is achieved ahead of schedule
- Joint calorimeter and muon shift is in place
 - ◆ Plan to proceed with join shift from now on
- Arnd Meyer is replacing Alan Stone as D0 Deputy Run Coordinator effective July 1st
 - ◆ Thanks to Alan and welcome to Arnd!

