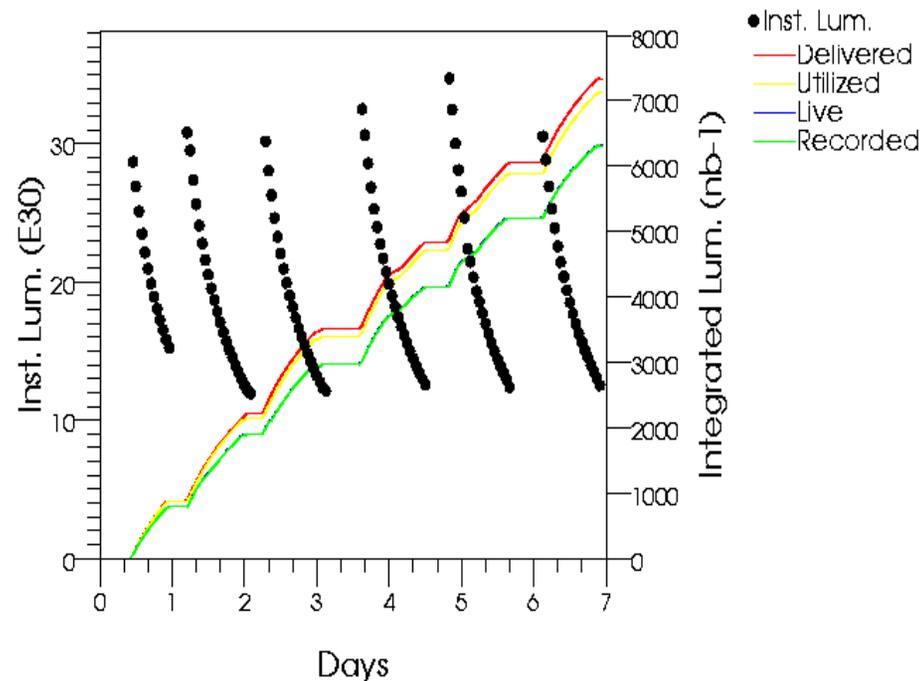
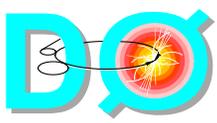


DO Weekly Summary: July 7 to July 13

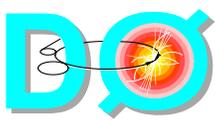
- Delivered Luminosity and operating efficiency
 - ◆ Delivered 7.3pb^{-1}
 - ◆ Recorded 6.3pb^{-1} (86%)
- Most serious sources of downtime
 - ◆ Calorimeter power supply trips
 - ◆ Operators mistakes
- Total number of events collected
 - ◆ 15 mln
- Beam halo
 - ◆ Within specs
- Beam position
 - ◆ Within 0.5 mm from the detector center and stable





D0 Data Taking

- Forward proton detector issues
 - ◆ ~4 hours access needed to remove "stuck" in the beam pot
 - ◆ The reason for problem is not understood, the pot is removed from the beam and will not be used until August shutdown
 - ◆ Access took longer then expected due to very difficult to access location of the pot
 - ▲ Help from MCR personnel is greatly appreciated
- Current issue
 - ◆ Calorimeter low voltage power supply trips
 - ▲ Started last ~Wednesday
 - ▲ Affects ~15% of the D0 calorimeter
 - ▲ During peak times trips occur every few minutes with average at about 20 trips per day
 - ▲ Trips are "easy" to reset (1-2 minutes), but the reason is unknown
 - ▲ In addition to affecting quantity of the D0 data this issue might affect quality as well
 - Writing data with ~50Hz rate - while voltages are going down due to a trip "strange" events could be "created"
 - ▲ Experts are trying to understand this issue
 - ▲ Did not have trips over last ~4 hours?!
- All other sub-systems - silicon, fiber tracker and muon are running well



Summary

- Mainly stable physics data taking with ~86-89% weekly operating efficiency
 - ◆ A few % lower then in June
 - ▲ Joint calmuo shifts
 - ▲ More operators mistakes
 - ▲ More hardware problems
 - ▲ New trigger list version - higher Level 1 trigger rate (higher front-end busy fraction)
- Have pending request for an access to resolve issue with calorimeter power supply in the collision hall

