



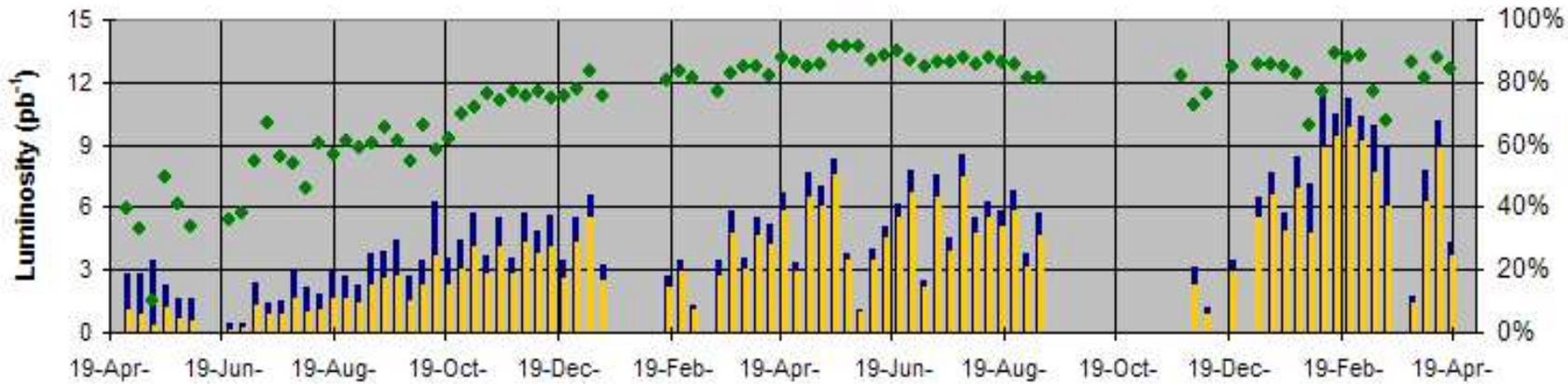
Data Taking Status

- Last week: Monday April 5th Sunday April 11th
 - ◆ Delivered 10109nb⁻¹ Recorded 8861nb⁻¹ Efficiency 87.7%
- This week: Monday April 12th Sunday April 18th
 - ◆ Delivered 4331nb⁻¹ Recorded 3657nb⁻¹ Efficiency 84.4%

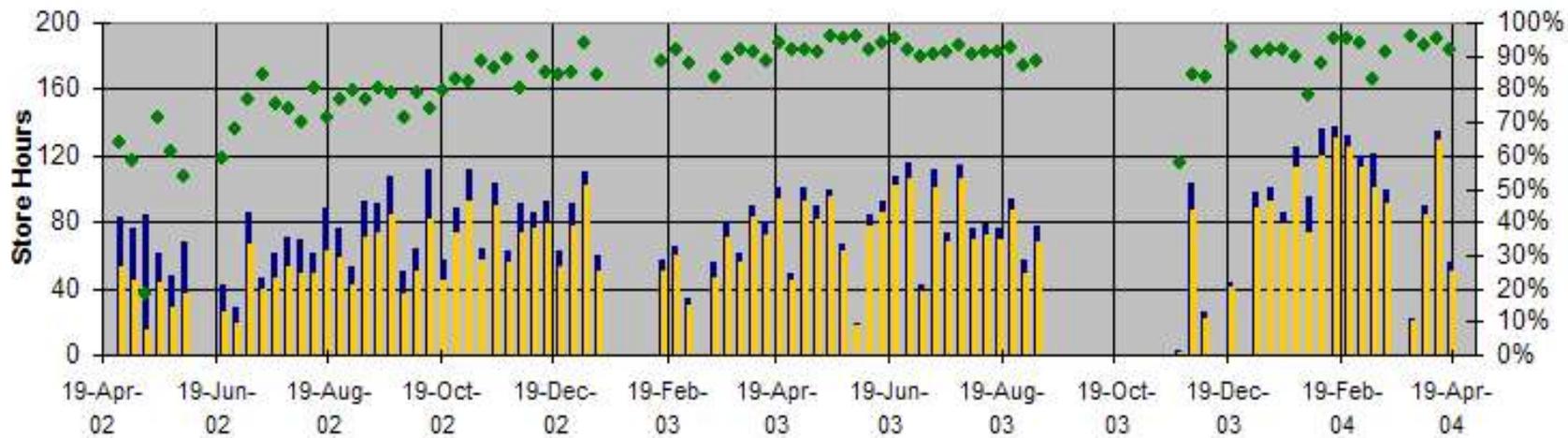
<i>Day</i>		$\int L dt (del)$	$\int L dt (rec)$	<i>Efficiency</i>
Mon	Apr 12	0nb ⁻¹	0nb ⁻¹	N/A%
Tue	Apr 13	487nb ⁻¹	422nb ⁻¹	86.7%
Wed	Apr 14	1281nb ⁻¹	1109nb ⁻¹	86.6%
Thu	Apr 15	188nb ⁻¹	158nb ⁻¹	84.1%
Fri	Apr 16	0nb ⁻¹	0nb ⁻¹	N/A%
Sat	Apr 17	1178nb ⁻¹	962nb ⁻¹	81.7%
Sun	Apr 18	1196nb ⁻¹	1005nb ⁻¹	84.0%



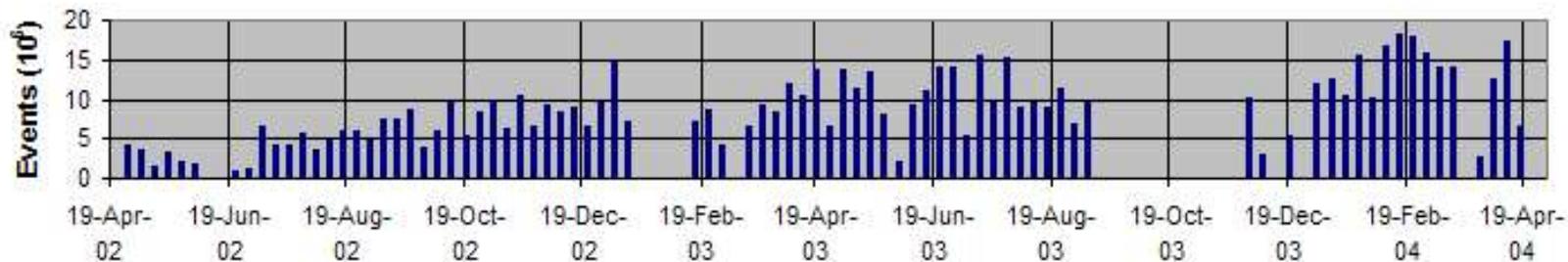
Weekly Summary (22 April 2002 - 18 April 2004)



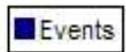
84%
4.3pb⁻¹
3.7pb⁻¹



55.5 hrs
50.9 hrs



6.6 · 10⁶



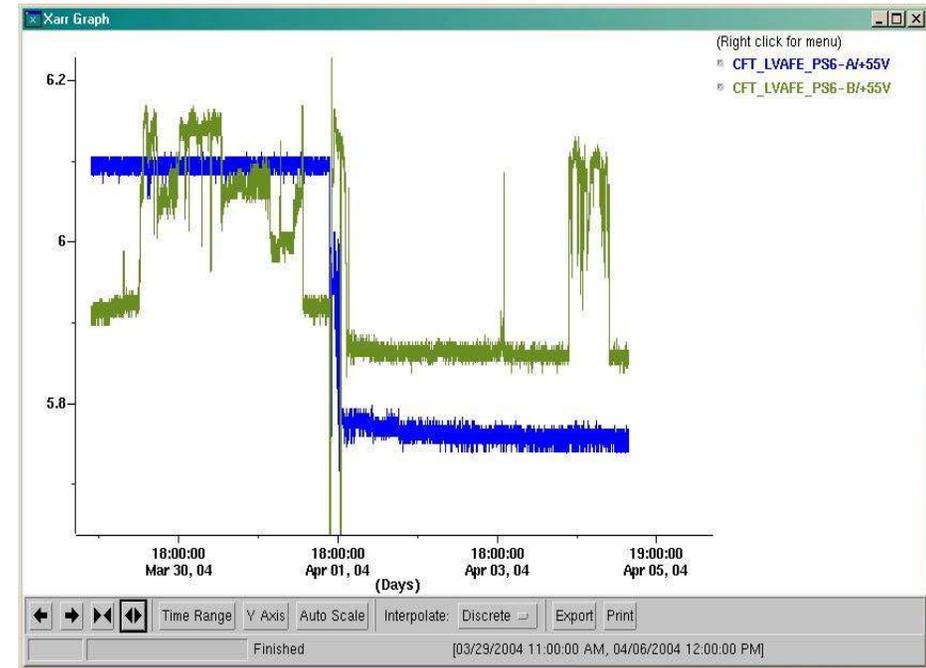


● Fiber Tracker power supplies

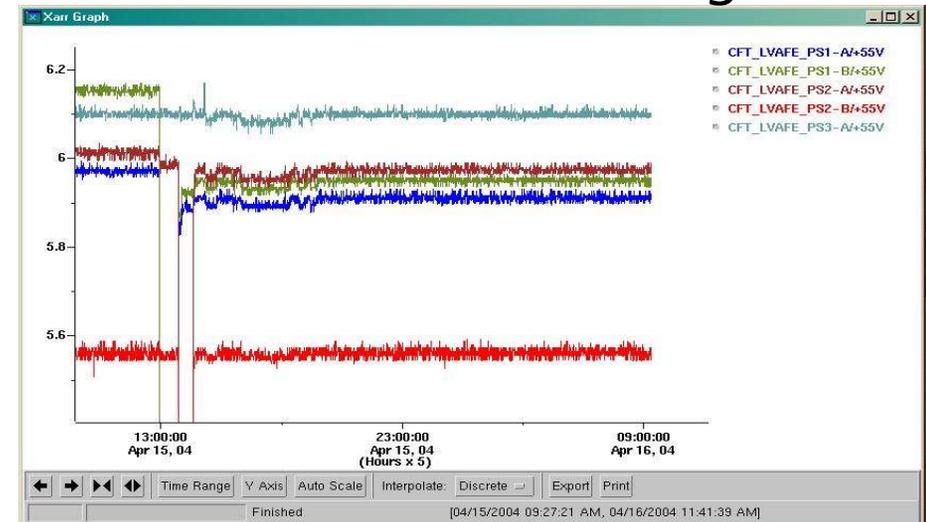
- ◆ Symptom: 5.5V for the AFE boards moved over periods of hours by 100's of mV. Pedstals moving
- ◆ 5.5V PS operated at up to 6.2V
- ◆ Change in wiring successfully reduced voltage drop
- ◆ All bad ones have been changed, will do the rest over the next couple of months

● Change in CFT firmware (bug fix) to improve track trigger efficiency (access on Tuesday)

PS 6

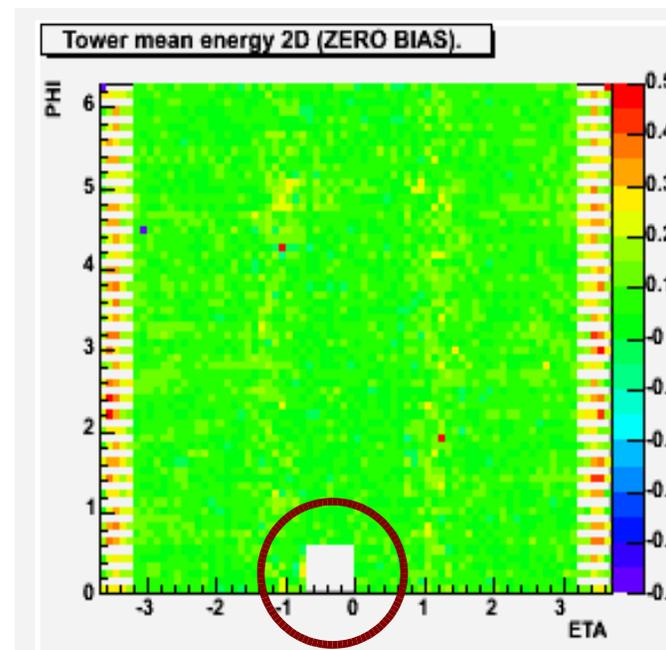


PS 1 & 2 after change





- Forward Muon MDT crate x30
 - ◆ Crash about once a shift during physics data taking → under investigation, quick recovery procedure (<1min)
- Three small central muon (PDT) electronics problems: one still under study, the others repaired during access
- Main DAQ shifter PC (slowly) died on Thursday
- Calorimeter BLS power supply (1/24 of central) failed during store on Sunday → replaced during access after store
- Repeated problems with L2 preshower crate (not (yet) used in the trigger), fixed Sunday





Summary

No damage to D0 directly related to any of the recent beam losses

Taking good data with 84% efficiency

Slightly lower than previously

Short stores, long time between stores

A couple of minor detector problems

D0 submitted its first Run II paper to PRL on April 9th: *Search for Doubly-charged Higgs Boson Pair Production in the Decay to $\mu^+\mu^+\mu^-\mu^-$ in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV* (hep-ex/0404015)

