



NuMI-MINOS Status Report — Gregory Pawloski

FAR DETECTOR:

- Up 98.9% of the time last week (wall time)
- Up 99.9% of the time last week (pot weighted)
- Minor downtimes typically overlapped with beam downtimes
 - Calibration and pedestal adjustments
 - Special noise runs to reset thresholds for PMT readout
- U. of Minnesota network update Friday morning
 - Caused intermittent connectivity problems to/from Soudan
 - No data loss



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NEAR DETECTOR:

- Up 99.3% of the time last week (pot weighted)
 - Some downtime for minor electronics issues → recalibrations
- Plan to swap out a couple of front end boards with minor rate issues this week (if there is some downtime)

NuMI Beam:

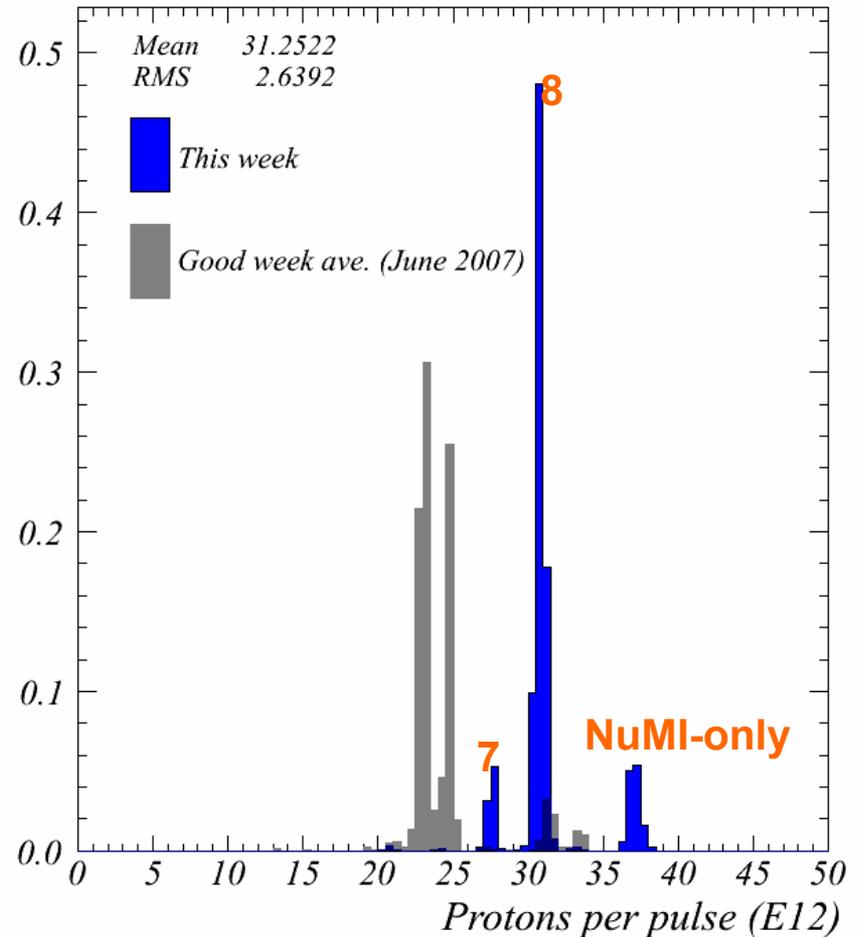
- Ongoing slow horn 1 leak
 - 3 gallons/week, very minor leak rate, stable over several weeks
- No major NuMI beam downtimes
 - Last night network outage started at NuMI front end
 - Downtime this afternoon for kicker cooling
 - In parallel fixed power supply water leak
- Some accelerator downtimes led to NuMI-only or no NuMI beam which tended to balanced each other (w.r.t. POTs)



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- Protons/pulse:
 - $\sim 27 \times 10^{12}$: 2+9 7-turns mixed
 - $\sim 31 \times 10^{12}$: 2+9 8-turns mixed
 - $\sim 37 \times 10^{12}$: NuMI only
- Mainly running in 2+9 mixed mode with 8-turns to NuMI
- Significant NuMI-only running
- Best week for PPP
 - $3.13 \text{ E } 13 \text{ PPP}$

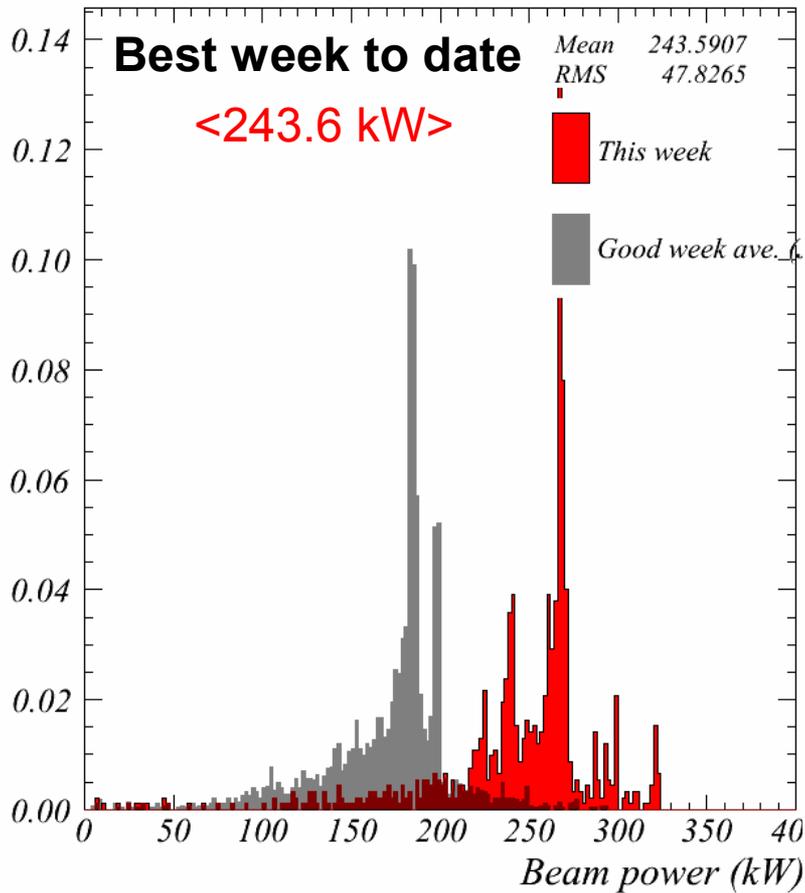
Week ending 00:00 Monday 11 August 2008



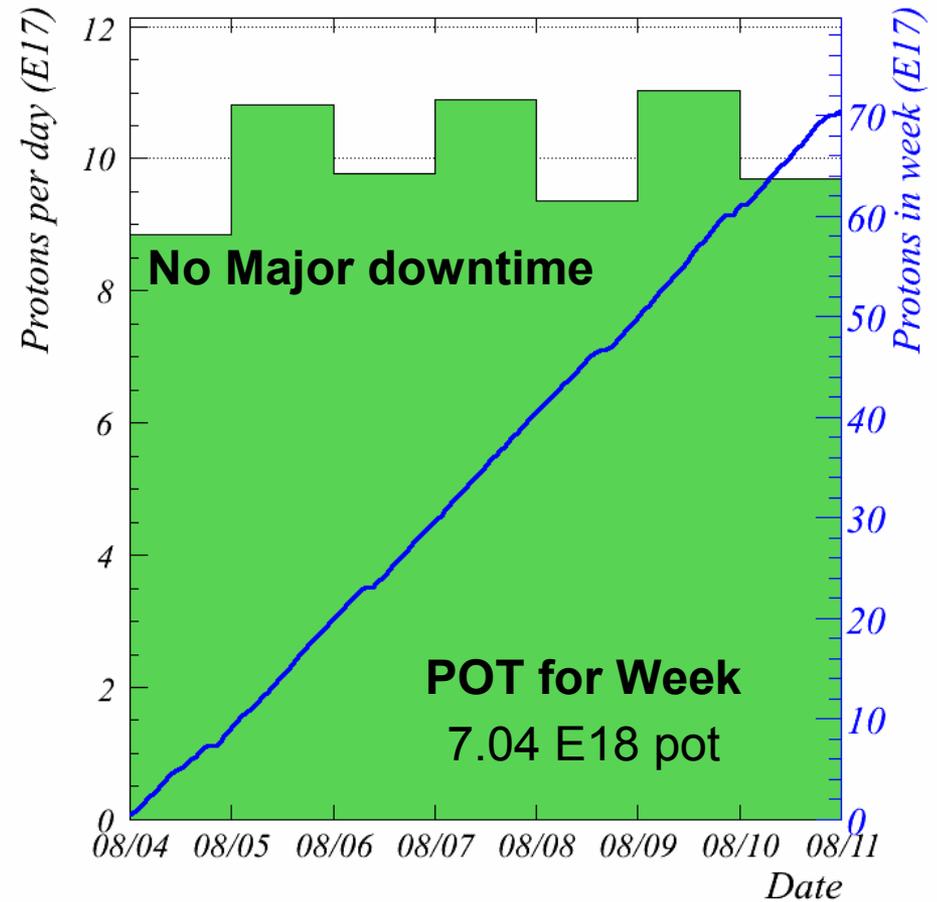


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Week ending 00:00 Monday 11 August 2008



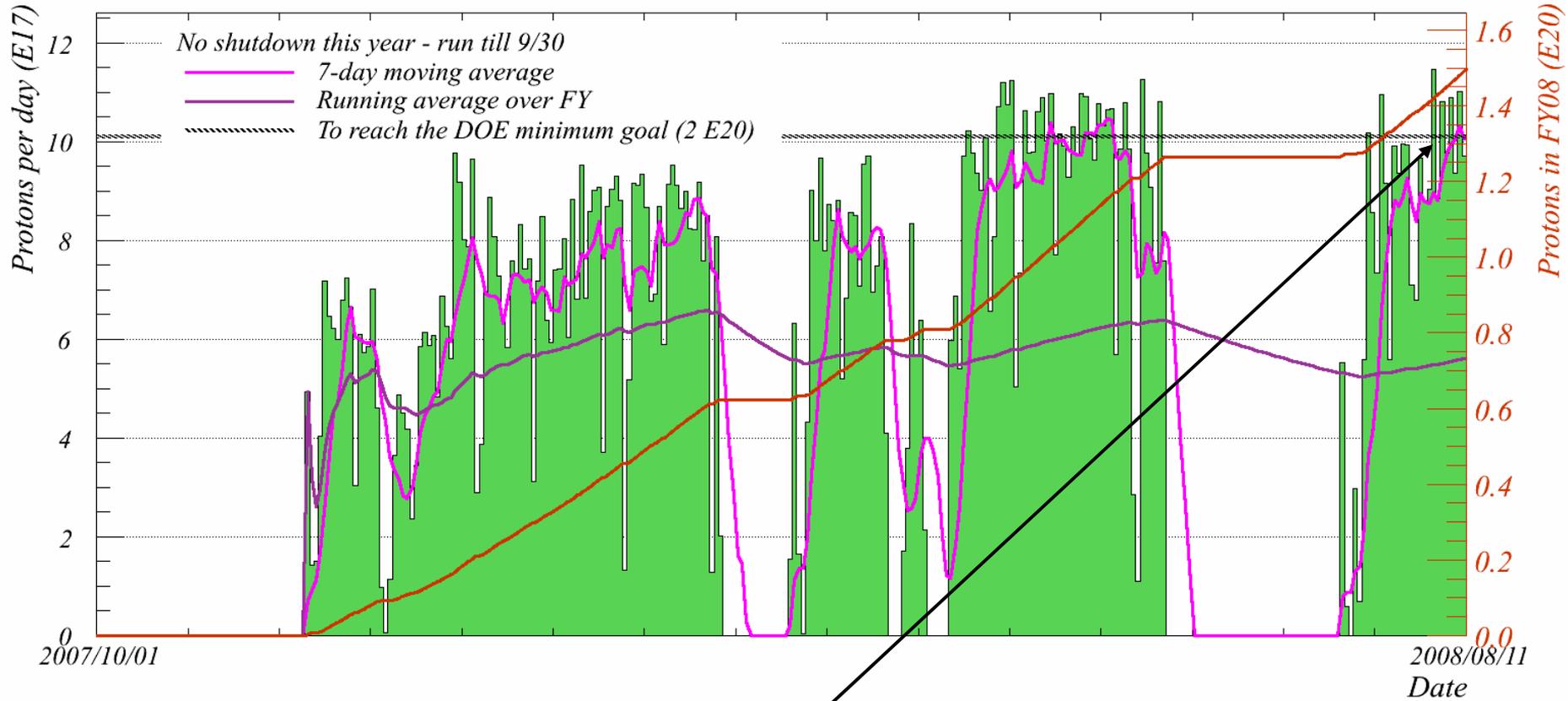
Week to 00:00 Monday 11 August 2008





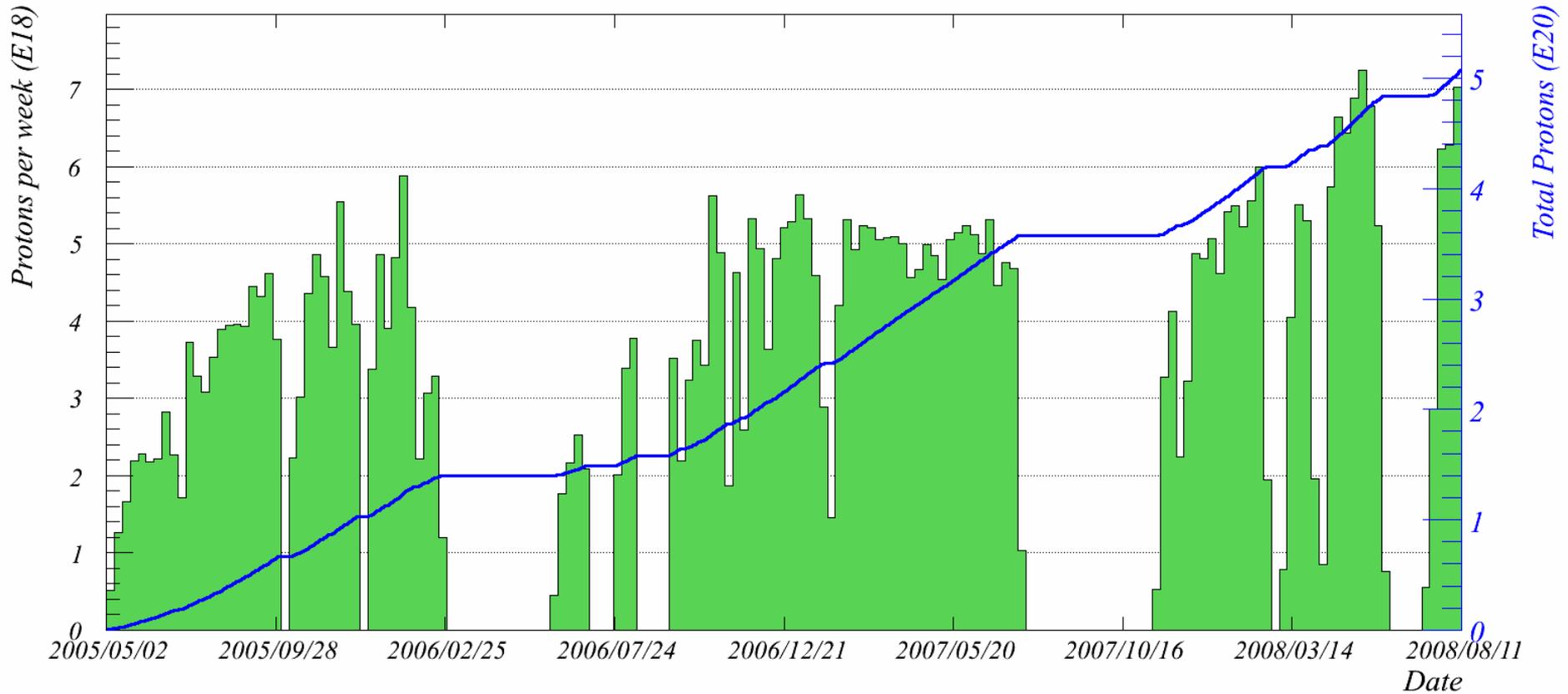
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FY08 NuMI protons to 00:00 Monday 11 August 2008



Current average at minimum needed to meet September 30 goal of 2e20 POT

Total NuMI protons to 00:00 Monday 11 August 2008



More than 5e20 integrated protons on target