



NuMI-MINOS Status Report — Gregory Pawloski

FAR DETECTOR: Ben Speakman

- 98.5% live time last week (wall time)
 - Calibration and detector maintenance during downtime
- Successful joint Minnesota/Fermilab safety inspection

NEAR DETECTOR: Alec Habig

- 99.8% live time last week (POT weighted)

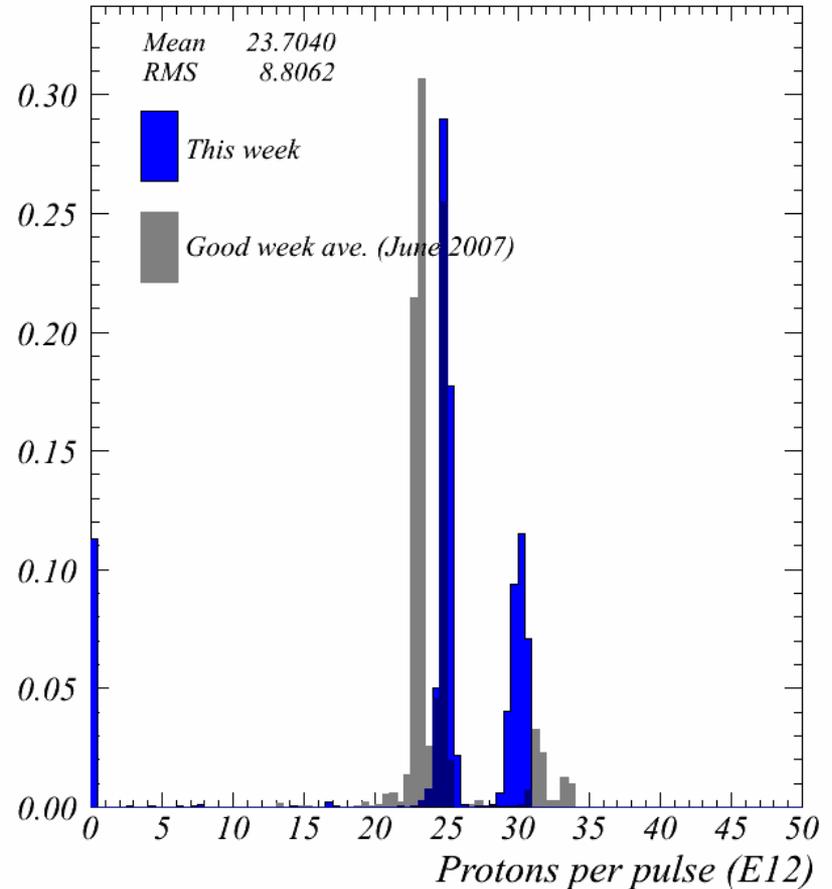
NuMI BEAMLINER:

- Beam down since last Thursday until March 11th
 - Due to ~30 gallon/day water leak in horns

Protons/pulse:

- $\sim 25 \times 10^{12}$: 2+9 batches
7-turns mixed
- $\sim 30 \times 10^{12}$: NuMI only (during
pbar recycler transfers and
interleaved mode)

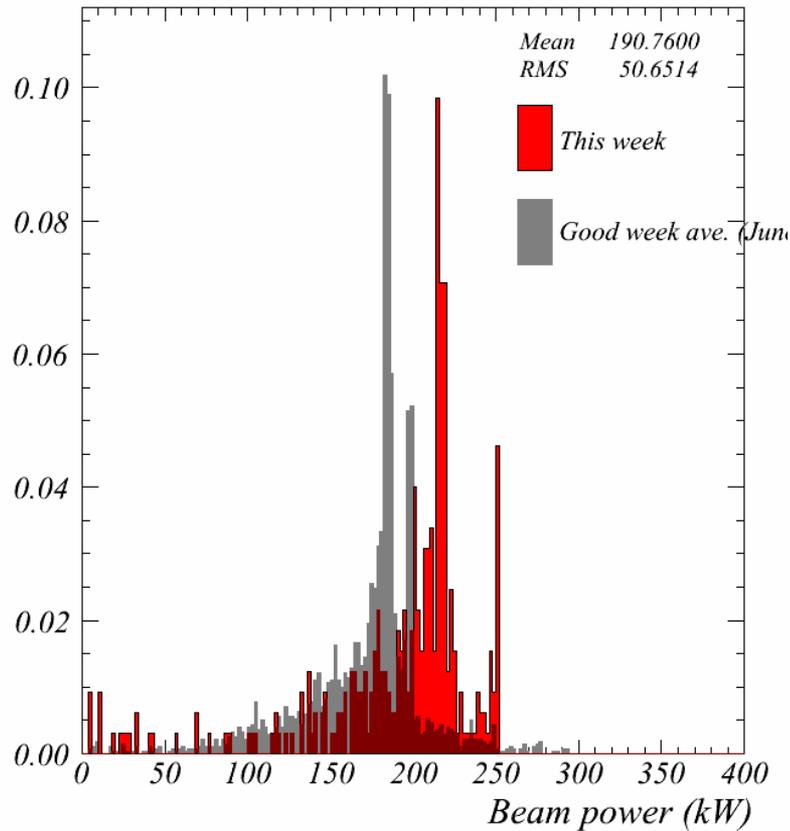
Week ending 00:00 Monday 25 February 2008





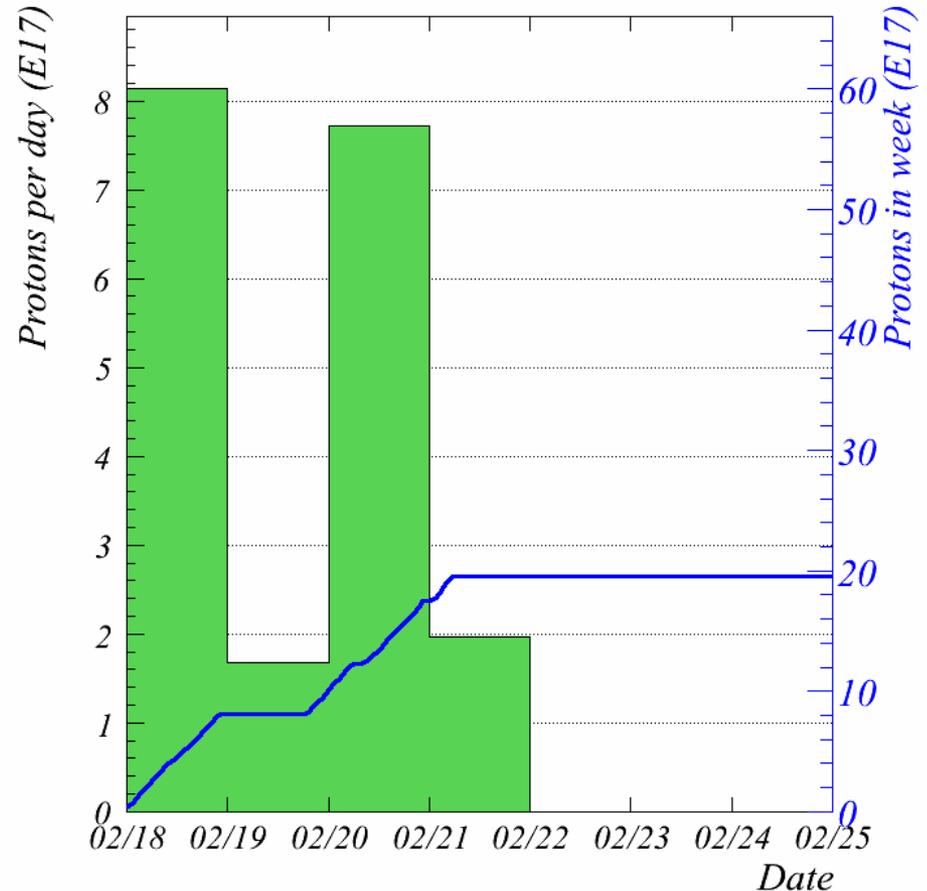
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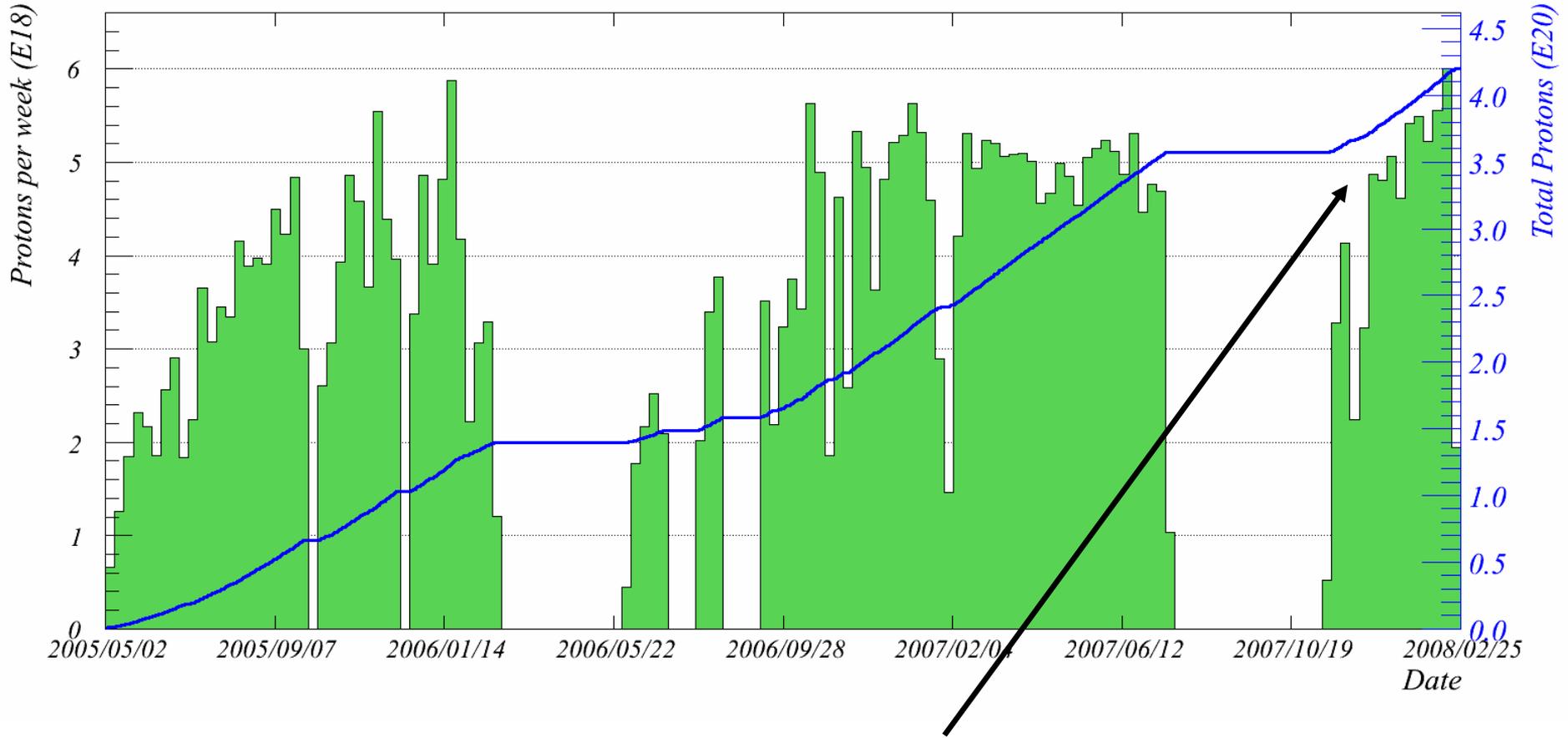
<200kW when MTEST is running
~220kW in mixed mode
~250kW in NuMI only

Week to 00:00 Monday 25 February 2008



Two days of good beam before shutdown
Recycler problems on Tuesday

Total NuMI protons to 00:00 Monday 25 February 2008



Good increase in POT before start of
~3 week shutdown



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NuMI Shutdown

- Need ~3 week shutdown to fix ~30 gallon/day Horn leak
- Making efficient use of shutdown
 - At the NuMI side - Peter Lucas
 - Repairing Horn 2 leak (suspected location of leak verified)
 - Preemptive replacement of two other suspect connections
 - Repairing heaters and balance system for dehumidifiers
 - Water collecting in pre-target area
 - Unclog drains
 - Add new sump pumps
 - At Near Detector
 - Minor maintenance: swapping out readout boards
 - Work towards full remote coil control
 - LCW improvements (Steel Pipe -> PVC Pipe)
 - At Far Detector
 - Minor maintenance and calibration