



NuMI-MINOS Status Report – Bob Zwaska

All Exp Mtg
Nov 17, 2008

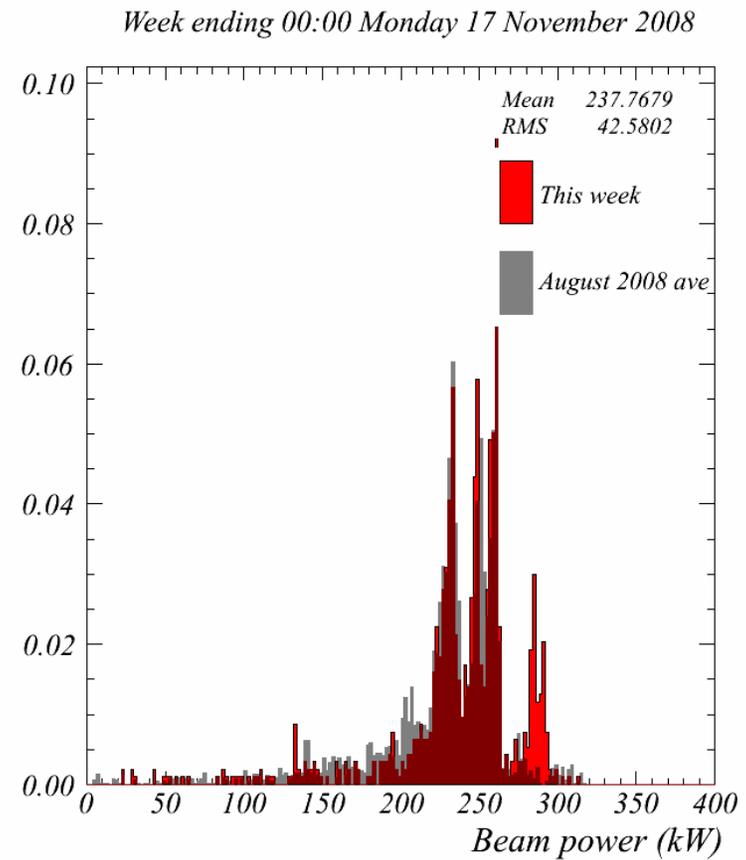
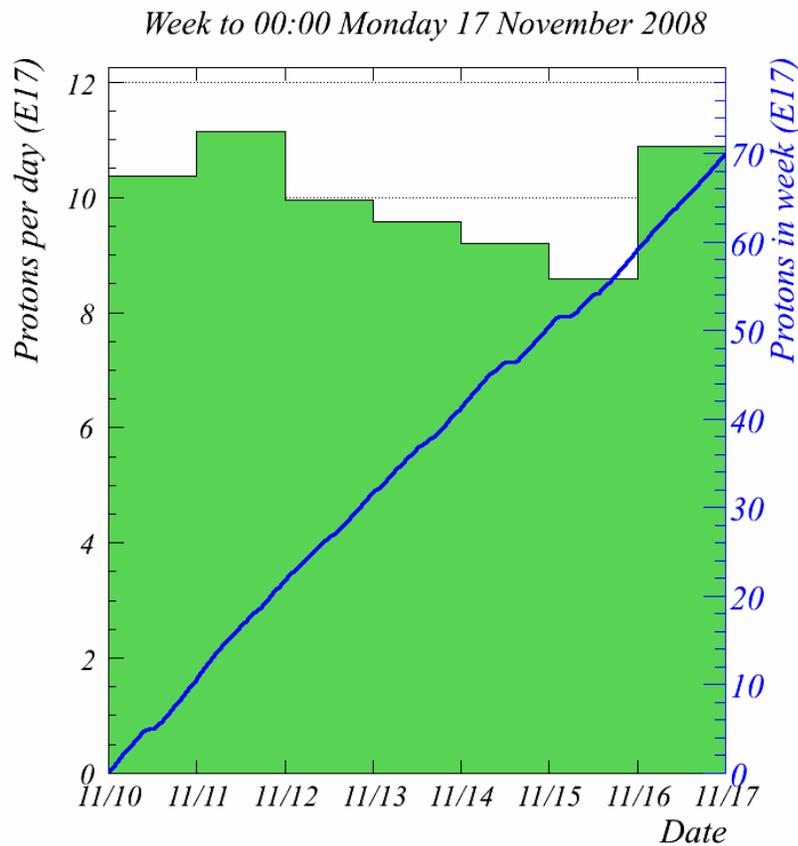
- NuMI Beam Performance for the last week
 - Horn has been off since Saturday morning
 - Taking horn-off neutrino beam data
 - Needed for ν_e appearance measurements
- More details at the end from Jim Hlyen



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- $7e17$ protons on the week



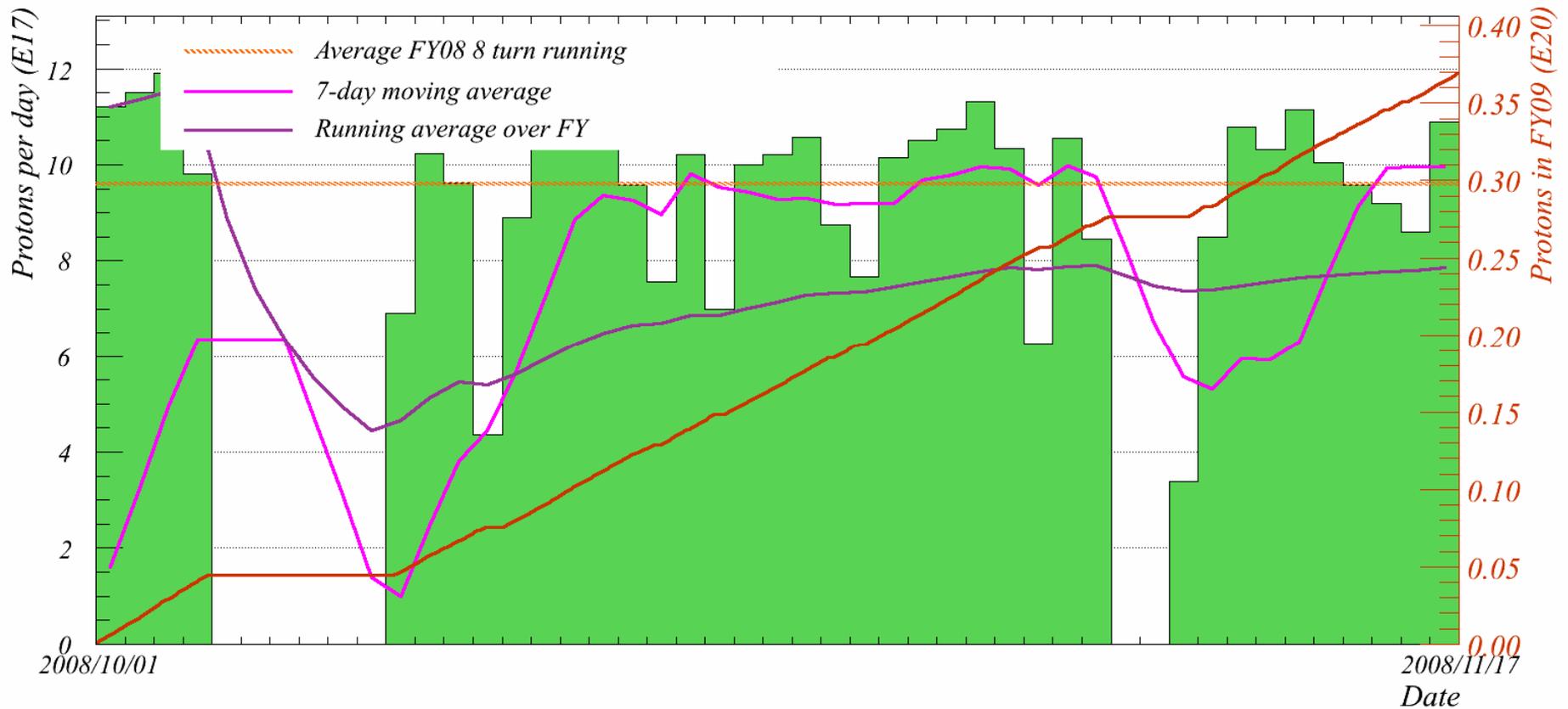


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- Good running is at the 8-turn average

FY09 NuMI protons to 00:00 Monday 17 November 2008



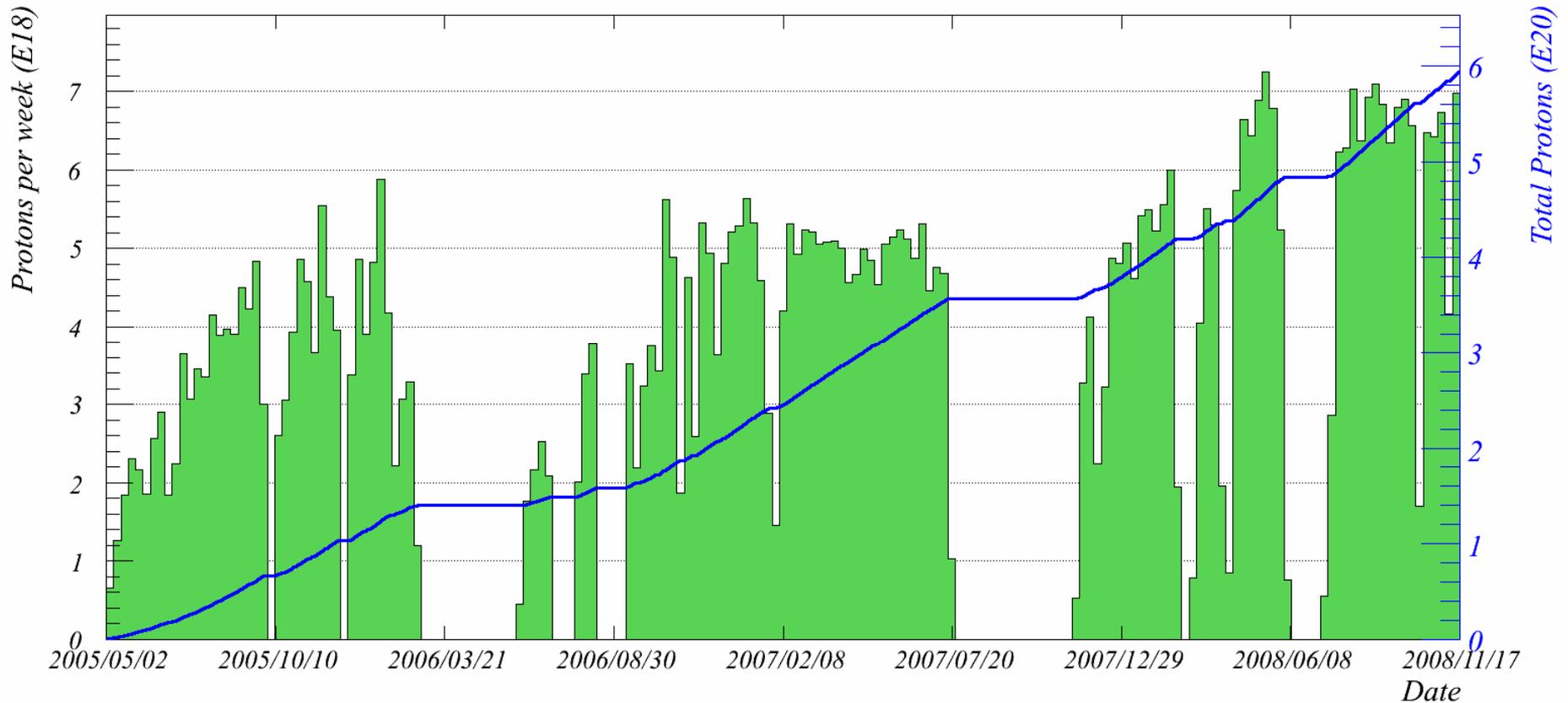


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- Total at 5.93×10^{20}

Total NuMI protons to 00:00 Monday 17 November 2008





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NEAR DETECTOR:

- LCW booster pumps had previously tripped off, causing magnet to turn off
 - Electrical problem identified, parts are being ordered
- During investigation, LCW overflow tank was topped off
 - Low resistivity held magnet off through Tuesday.

Proton-weighted Live-times:

- 11/10/2008-11/16/2008: 98.61%



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FAR DETECTOR:

- Monday, had a DAQ crash because of kernel panic
 - Known problem, but requires downtime for a safe updating
 - Held off data-taking for a few hours
- Plan to the above and other maintenance tasks in available down-time

Proton-weighted Live-times:

- 11/10/2008 - 11/16/2008: 98.14%

Wall-clock Live-time:

- 11/10/2008 - 11/16/2008: 96.3%



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Jim Hylan

- Horn power supply down since Saturday morning on ground fault and current imbalances
 - “Deflaking” did not fix the current imbalance
- First hope was that a capacitor in the charging supply had failed
 - This appears ruled out
- Today: opened up target hall to perform electrical measurements on striplines
 - Preliminary indications suggest a fault in a stripline near Horn 2
- Crane electronics will be installed tomorrow morning
 - We will likely start pulling R-blocks and investigate further
 - Pending radiological concerns
- Spare stripline block is a number of days from being ready