

MiniBooNE (Anti-Neutrino Mode)

All Experimenters' Meeting

May 7, 2007

Ray Stefanski

- We want to congratulate the Proton Source department on the outstanding performance of the 8 GeV proton beam.
- MiniBooNE is receiving record beam operating synchronously with NuMI.
- This is an extraordinary achievement!
- Beam uptime for the week = 88.9%

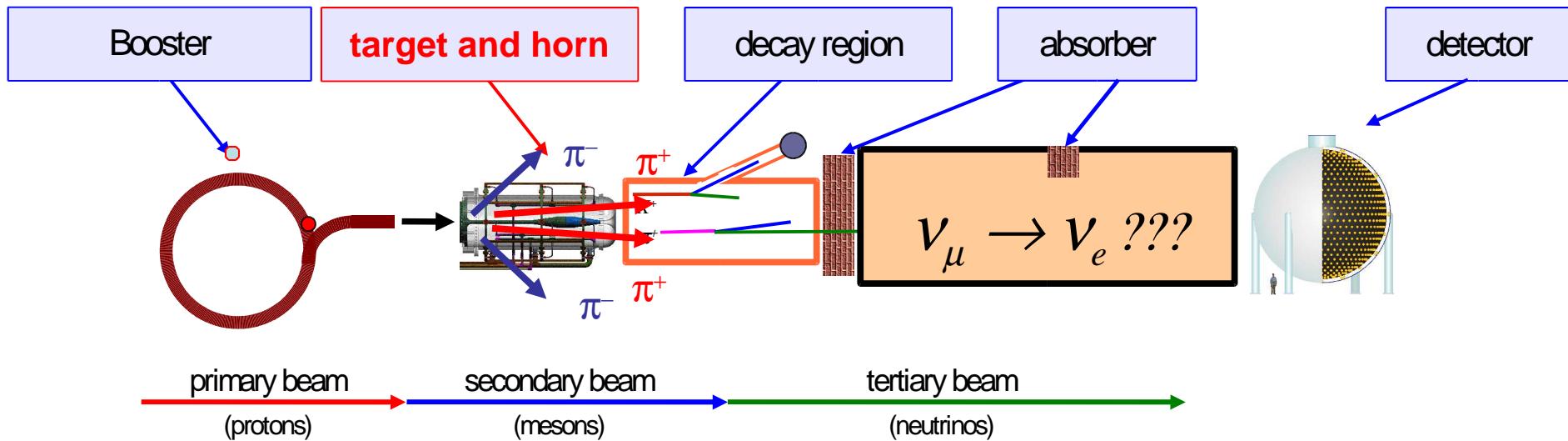
A problem with LRF3 cause a loss of
About 1.5 shifts on Sunday.

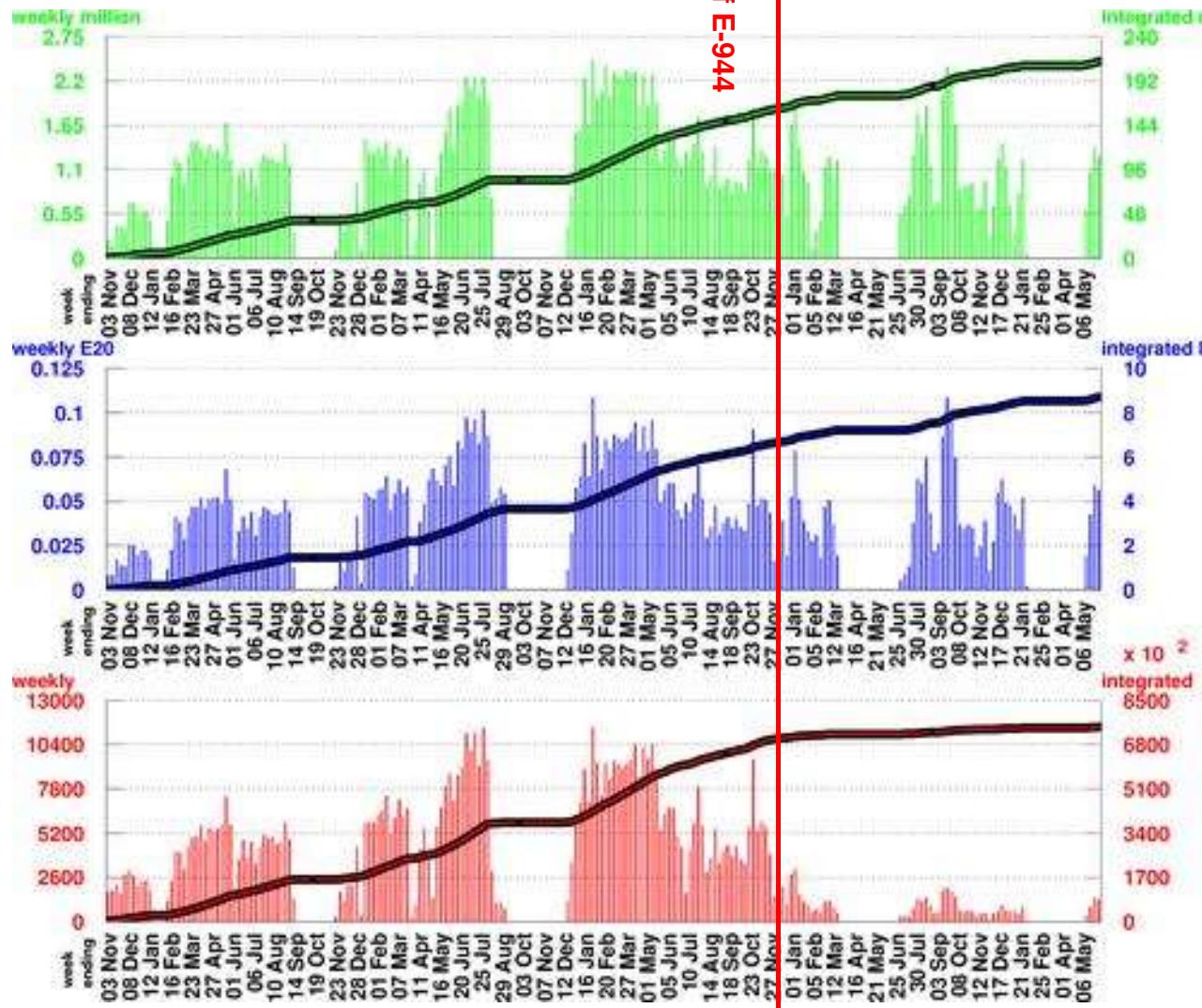
$$\text{Protons delivered} = 5.5 \times 10^{18}$$

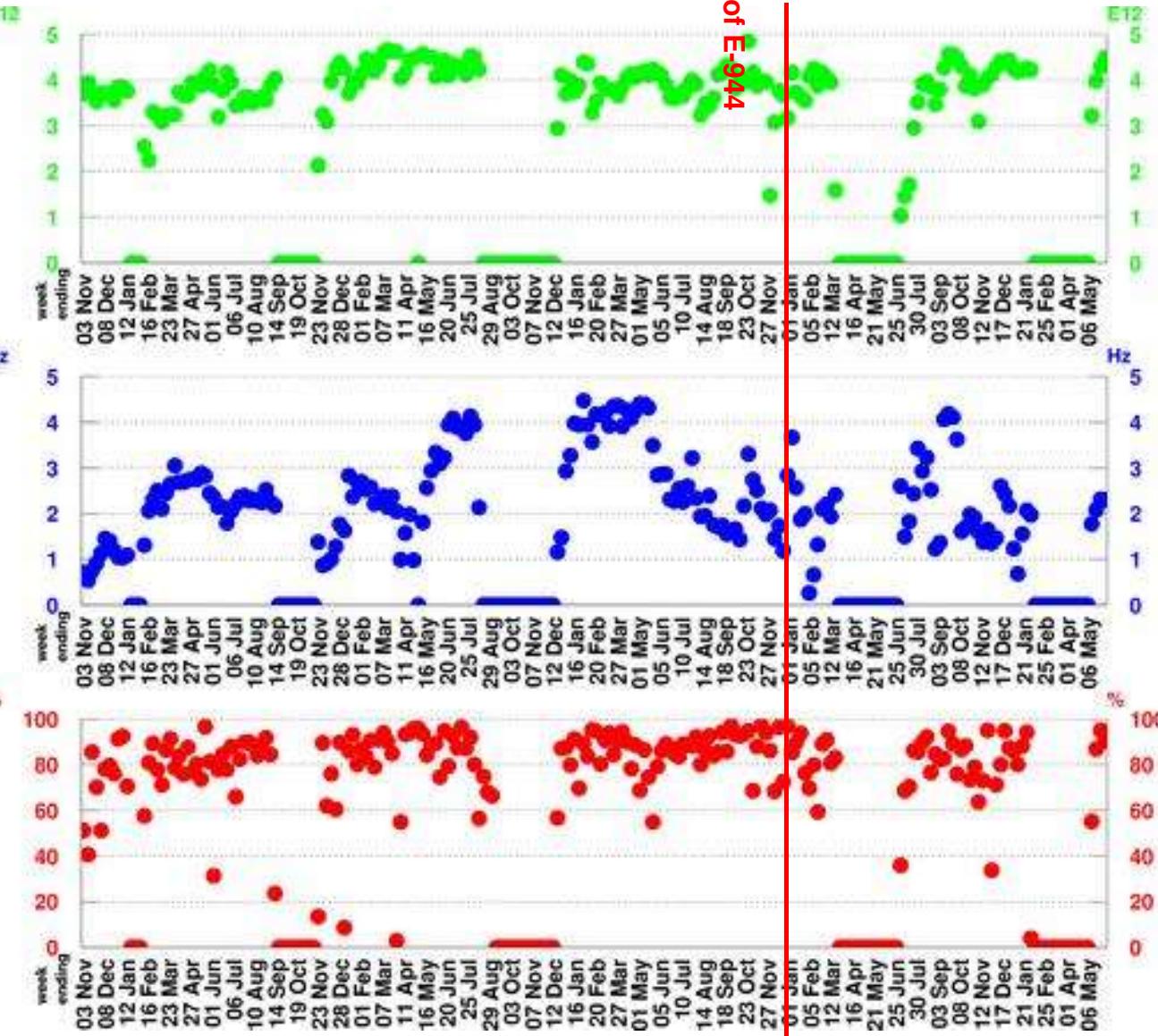
$$\text{Average protons per pulse} = 4 \times 10^{12}$$

- Horn #2 has ~ 120 million pulses.

Average protons per hour = 3.7×10^{16}
A record max per hour for E-944 was set on May 3 at 5.2×10^{16} p/hr!







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POT per Horn Pulse

Largest week: 4.85 E12

Latest week: 4.48 E12

Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

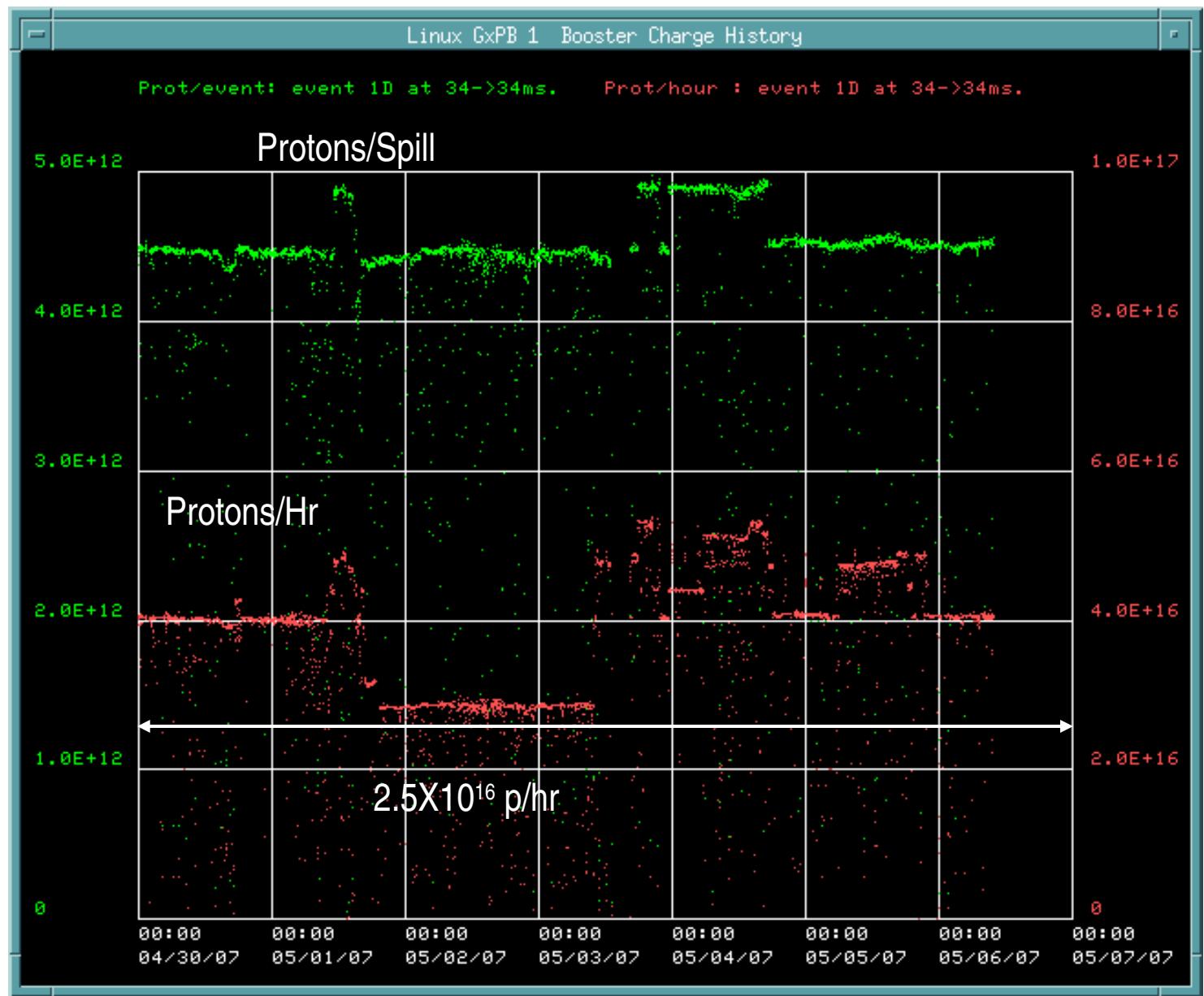
Latest week: 2.3 Hz

Beam Uptime Fraction

(fraction of time with beam)

Largest week: 97.4 %

Latest week: 90.3 %



Summary

Everything is going fine!!