

MiniBooNE Report

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for the MiniBooNE collaboration

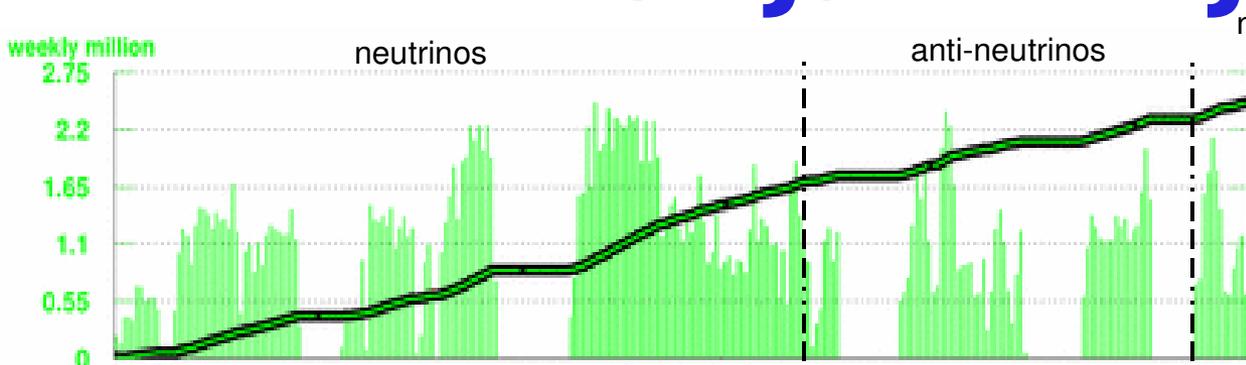
14 January 2008

Week Summary 07 Jan – 14 Jan

2.3E18 POT, 81.4% Uptime

- Reduced protons/hr to BNB due to NuMI 11 batch slip stacking, running at $\sim 1.5E16$ p/hr.
- Detector HVAC compressor #1 replaced. Continued running during repairs(4 days) with axillary unit. Thanks FESS!
- Horn trip due to failed capacitor on monitoring system that charges big caps. Thanks EE!
- Major Downtime:
 - 14 hrs, MI access (Jan 9).
 - 6 hrs, Horn trip (Jan 10).
 - 6 hrs, Linac RF trip (Jan 13).

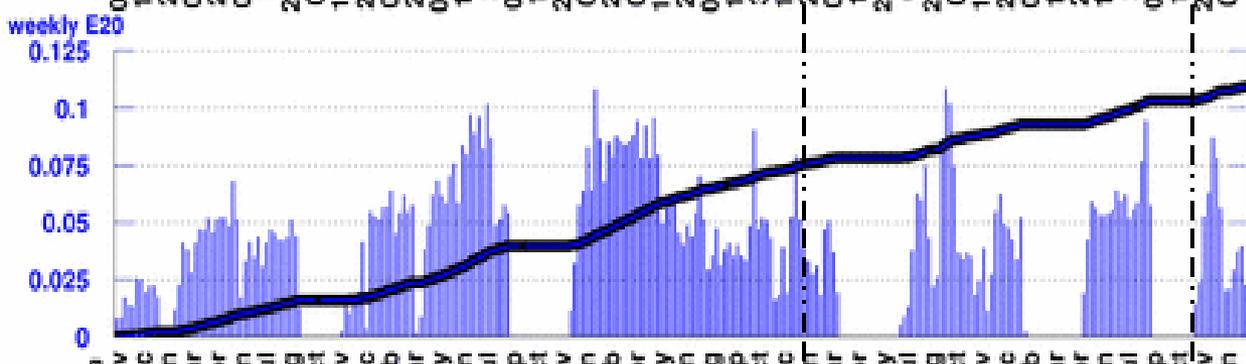
07 Jan - 14 Jan



Number of Horn Pulses

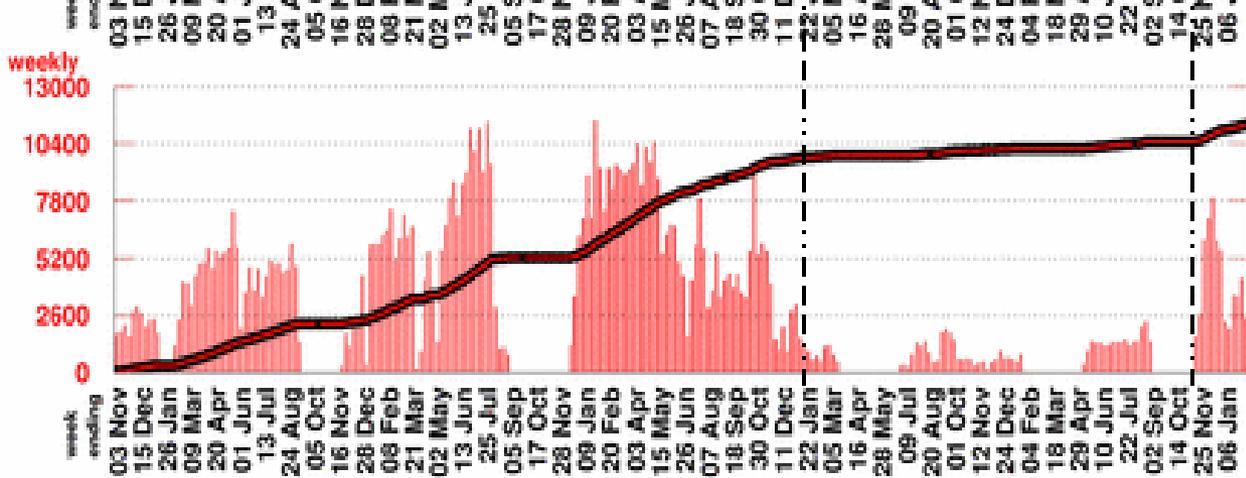
To date: 245.4 million
 Largest week: 2.46 million
 Latest week: 0.62 million

With Beam Information Cuts



Number of Protons on Target

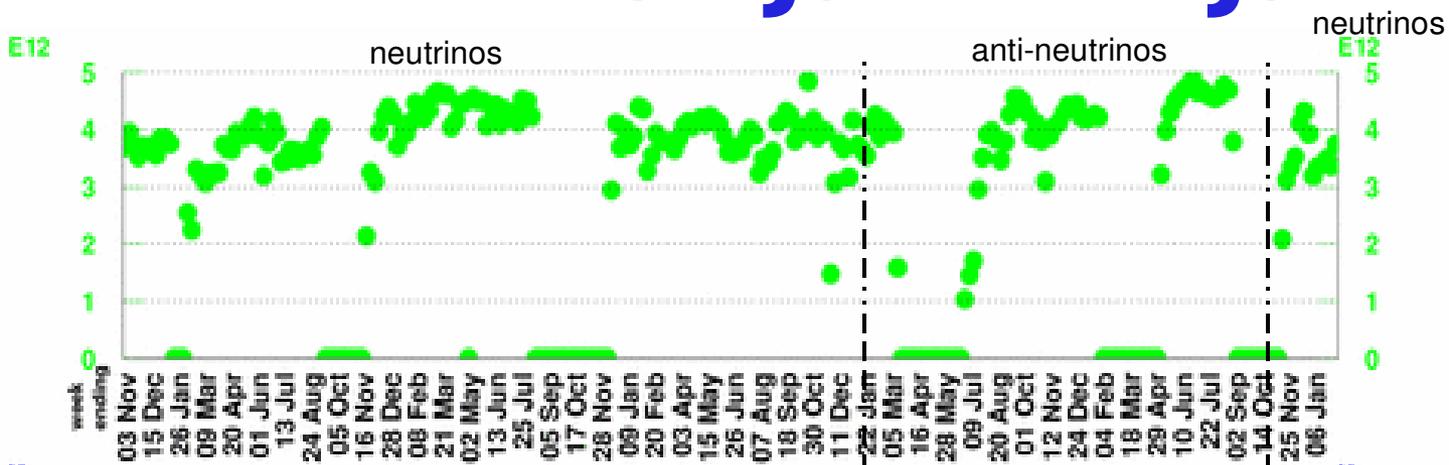
To date: 10.0556 E20
 Largest week: 0.1085 E20
 Latest week: 0.023 E20



Number of Neutrino Events

To date: 822675
 Largest week: 11447
 Latest week: 2446

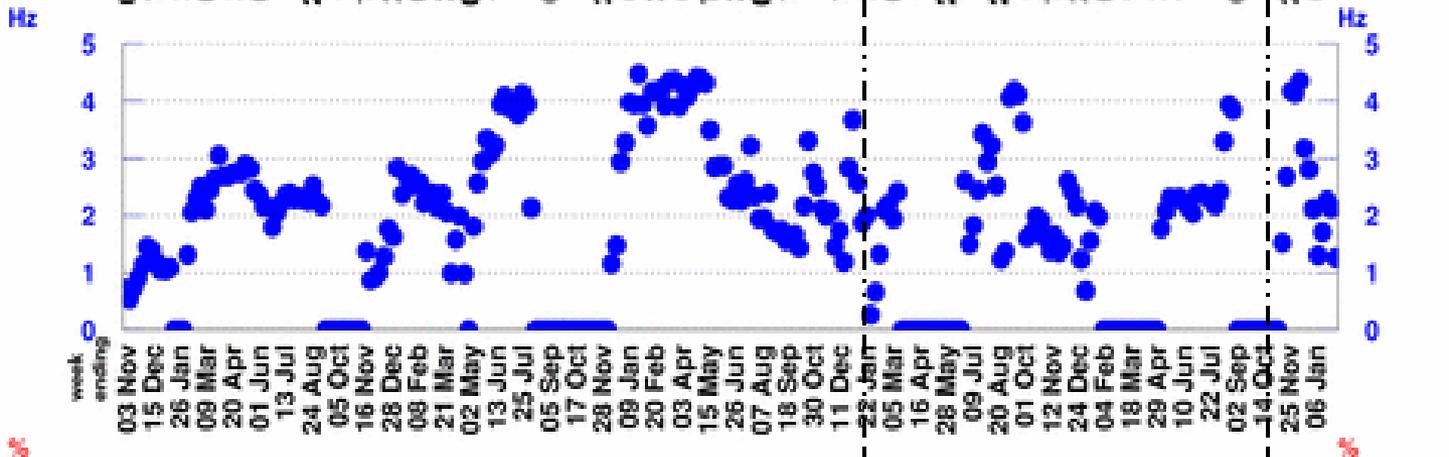
07 Jan - 14 Jan



POT per Horn Pulse

Largest week: 4.89 E12

Latest week: 3.75 E12

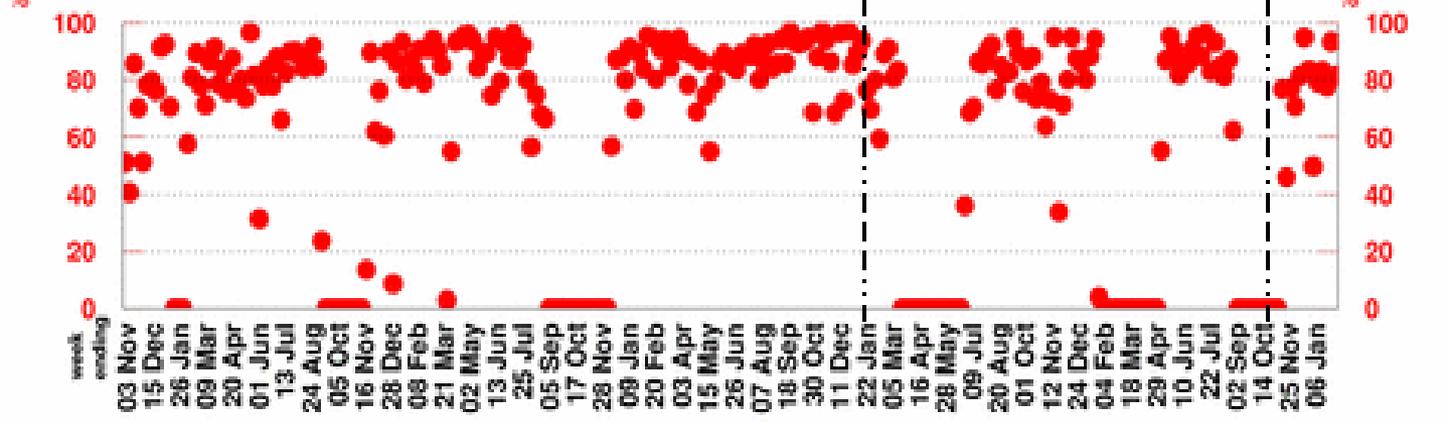


Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

Latest week: 1.26 Hz



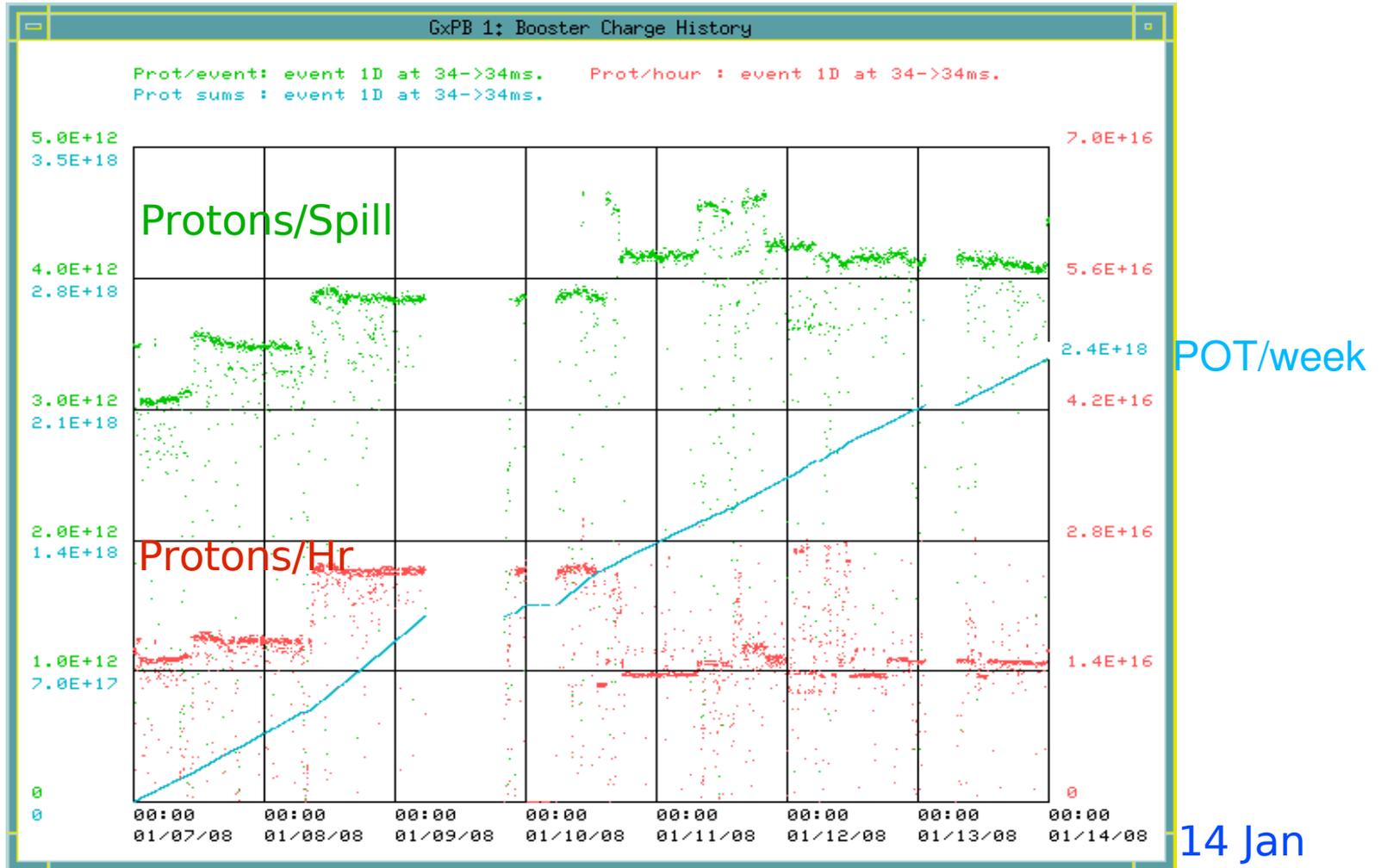
Beam Uptime Fraction

(fraction of time with beam)

Largest week: 97.4 %

Latest week: 81.4 %

One Week MB Proton/Hr Summary



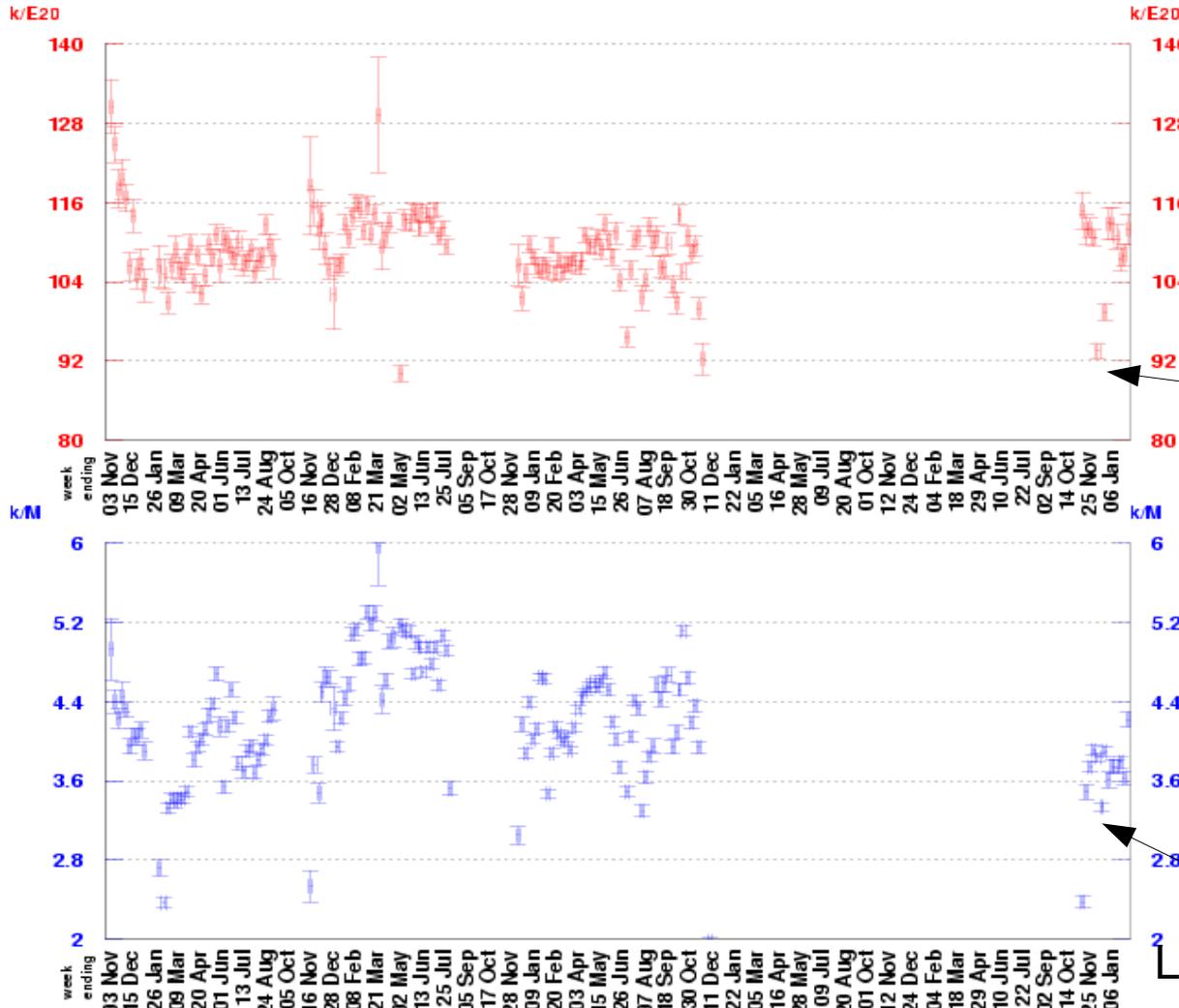
07 Jan

14 Jan

Steady running at $\sim 1.5E16$ p/hr (10 turns).

Nearline Neutrinos Rates

(does not include data quality corrections)



Neutrino Events per POT

Largest week: 178.5 k/E20

Latest week: 111.9 k/E20

Missing full RWM signal,
data okay

Neutrino Events per Horn Pulse

Largest week: 90.91 k/M

Latest week: 4.22 k/M

Lower average POT/pulse

This Week's Plan

- Keep on running, hope for improved Booster tuning to increase POT to BNB.