

MiniBooNE Report

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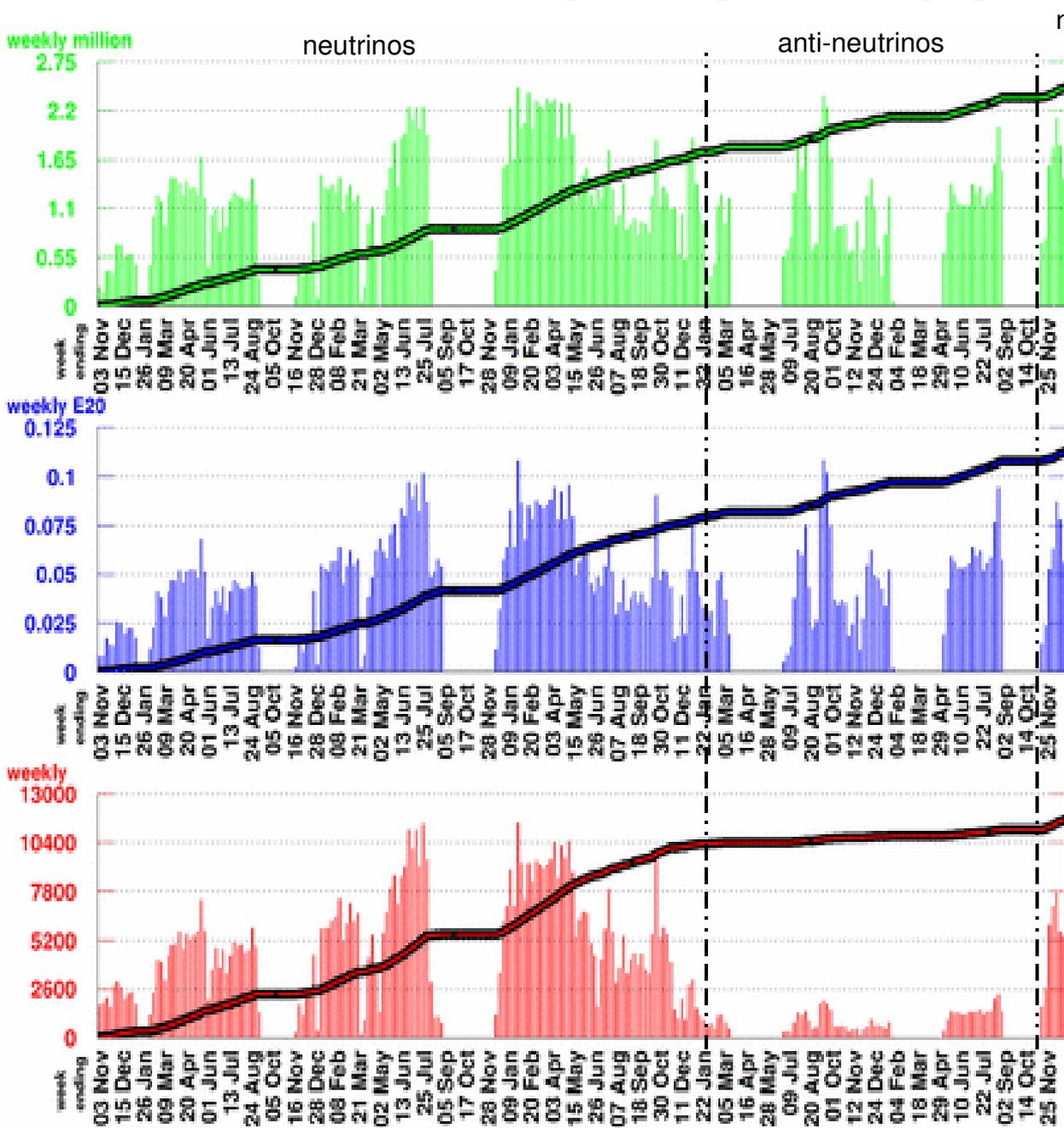
03 December 2007

Week Summary 26 Nov – 03 Dec

5.6E18 POT, 81% Uptime

- Booster delivering steady beam to MiniBooNE, $\sim 4E16$ p/hr with NuMI running.
- Intermittent problem with detector beam trigger, which was tracked down to flaky cable. Lost $<10\%$ of beam triggers.
- Major Downtime:
 - 6 hrs, F-sector access (Nov 28).
 - 4 hrs, Linac KRF7 trip (Nov 29).
 - 8 hrs, Linac PLC problem (Dec 1).
 - 4 hrs, Linac klystron problem (Dec 2).

26 Nov – 03 Dec



neutrinos
integrated million

Number of Horn Pulses
To date: 240.42 million
Largest week: 2.46 million
Latest week: 1.43 million

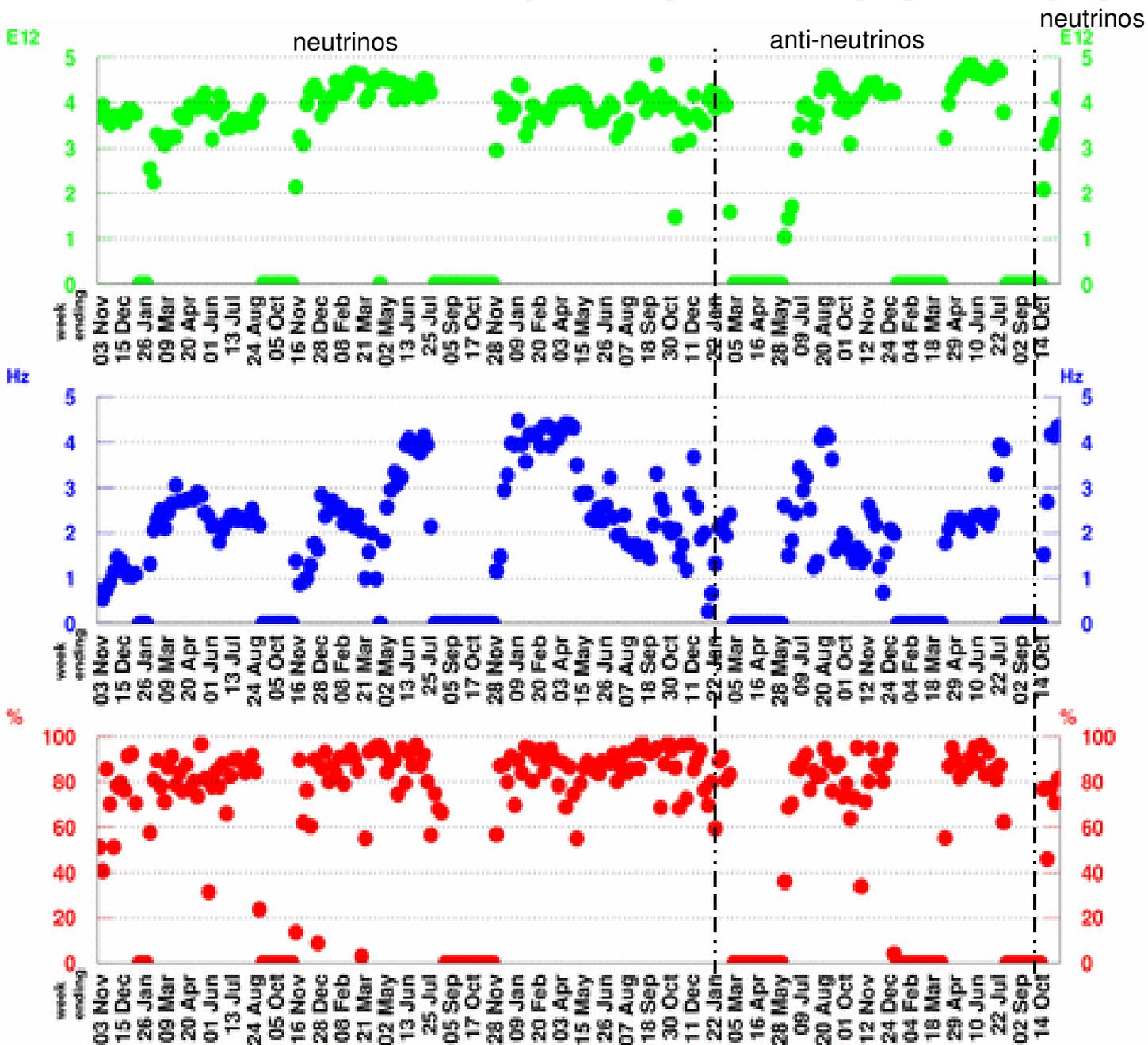
With Beam Information Cuts

↑

Number of Protons on Target
To date: 9.8852 E20
Largest week: 0.1085 E20
Latest week: 0.0561 E20

Number of Neutrino Events
To date: 803976
Largest week: 11447
Latest week: 5436

26 Nov – 03 Dec



POT per Horn Pulse

Largest week: 4.89 E12

Latest week: 4.11 E12

Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

Latest week: 4.35 Hz

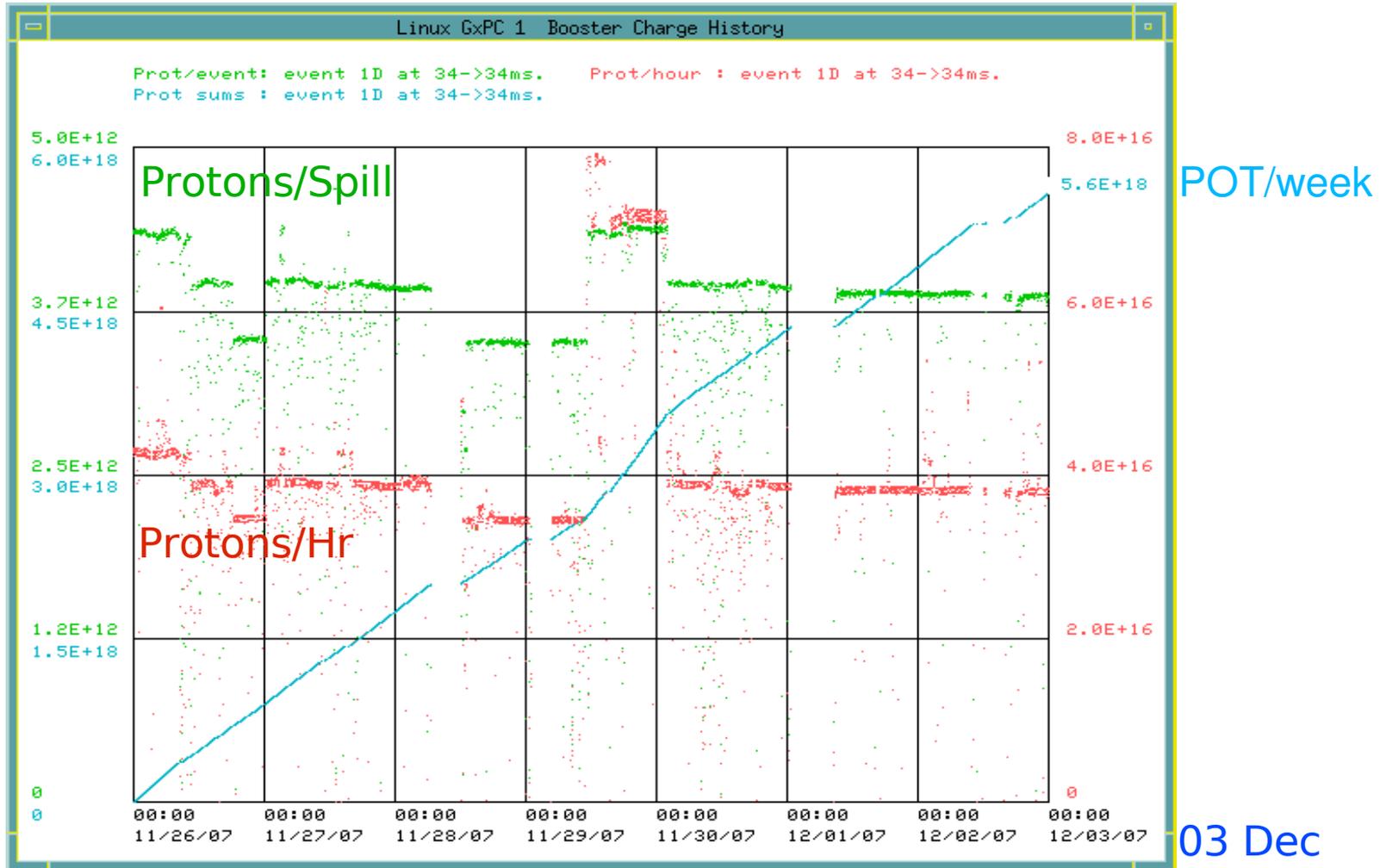
Beam Uptime Fraction

(fraction of time with beam)

Largest week: 97.4 %

Latest week: 81.4 %

One Week MB Proton/Hr Summary



Good steady running at ~10 turns, ~89% Efficiency.

This Week's Plan

- Continue neutrino running, take advantage of stable Booster output.
- Soon to surpass 10E20POT total protons collected!

