

MiniBooNE Report

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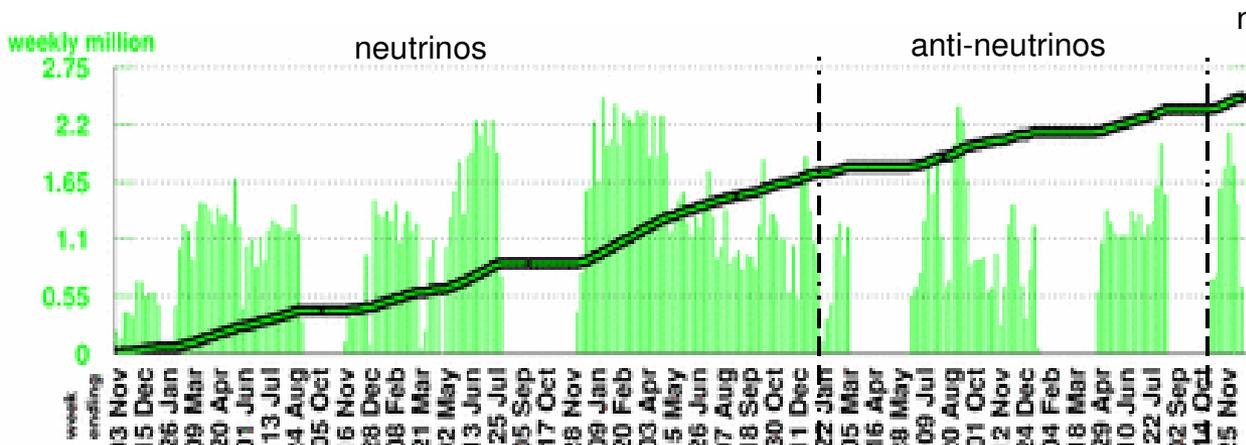
10 December 2007

Week Summary 03 Dec – 10 Dec

2.0E18 POT, 50% Uptime

- Reduced uptime and lower beam output to MiniBooNE due to Linac vacuum problems.
 - Appreciate huge effort to fix this difficult problem.
 - Even at lower beam output, took useful data!
- Major Downtime:
 - 5 hrs, MI ground fault (Dec 4).
 - 24 hrs, Linac vacuum problems (Dec 5)
 - 20 hrs, Linac vacuum problems (Dec 6).
 - 12 hrs, Linac vacuum problems (Dec 7).
 - 12 hrs, Linac RF4 and vacuum problems (Dec 8).

03 Dec - 10 Dec



neutrinos
integrated million

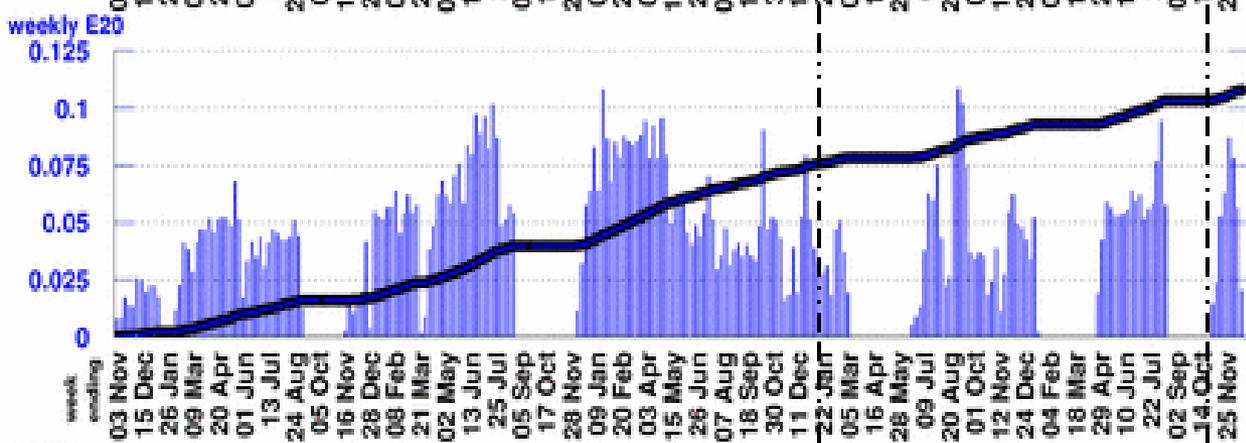
Number of Horn Pulses

To date: 241.06 million

Largest week: 2.46 million

Latest week: 0.64 million

With Beam Information Cuts



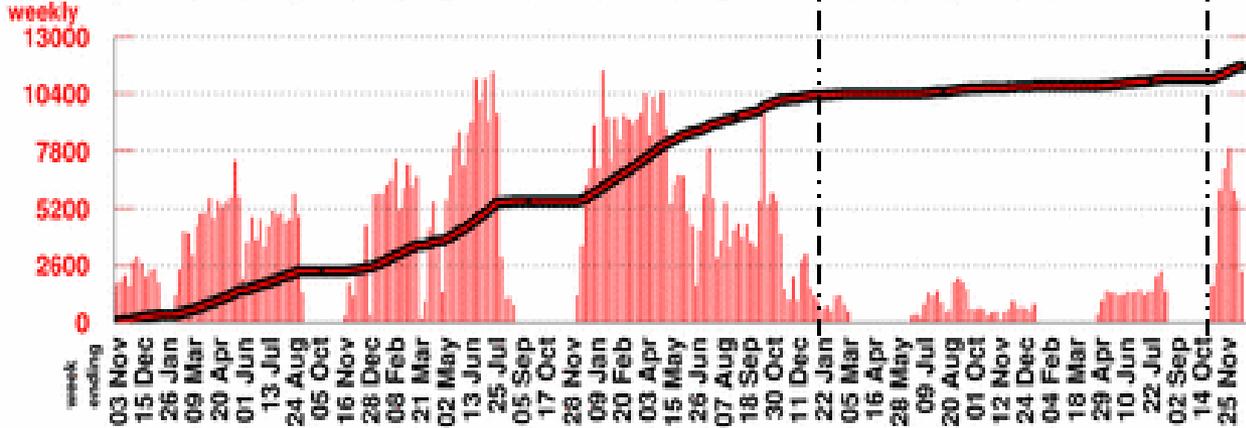
integrated E20

Number of Protons on Target

To date: 9.9057 E20

Largest week: 0.1085 E20

Latest week: 0.0204 E20



integrated

Number of Neutrino Events

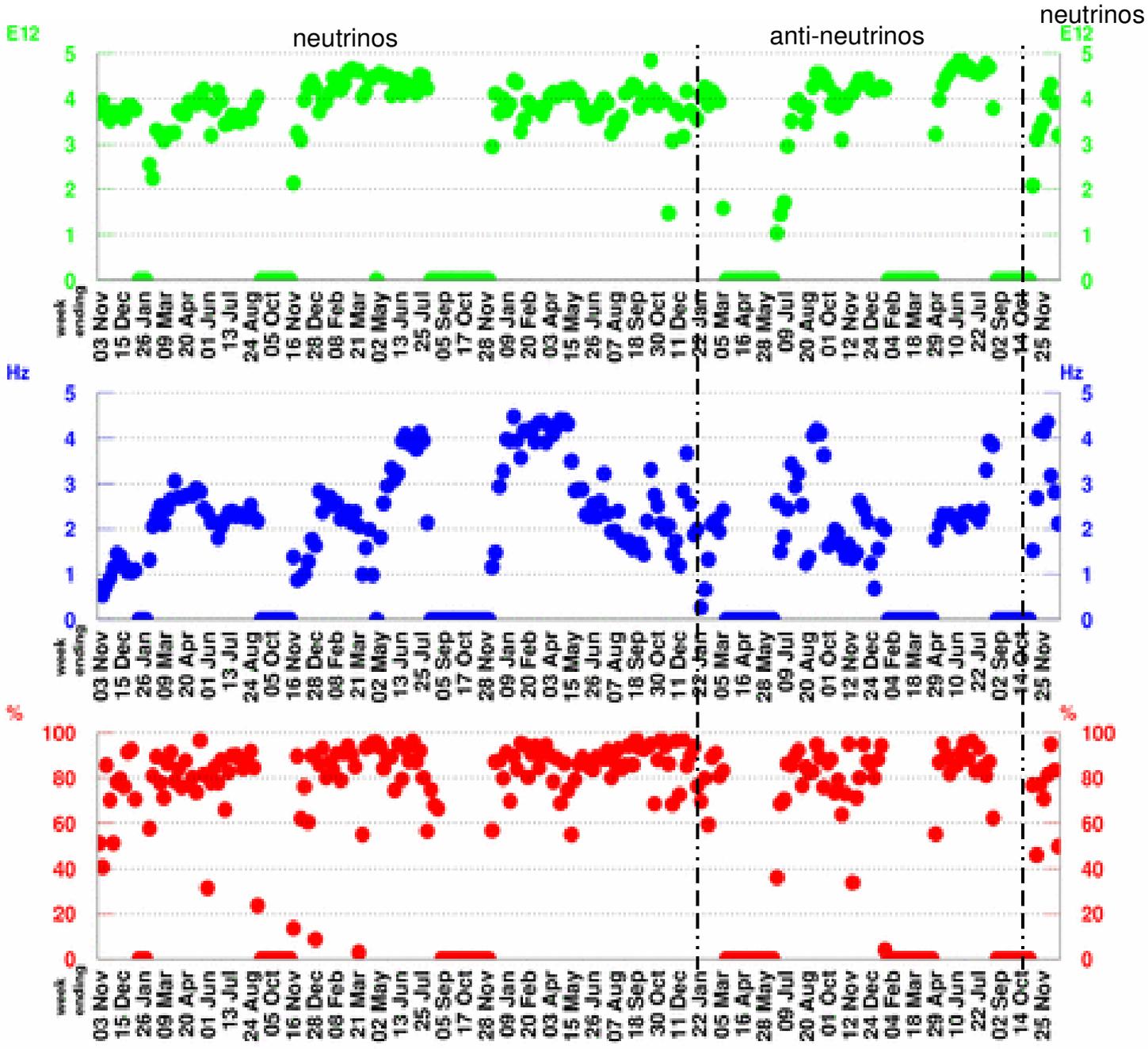
To date: 806962

Largest week: 11447

Latest week: 2306



03 Dec - 10 Dec



POT per Horn Pulse

Largest week: 4.89 E12

Latest week: 3.2 E12

Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

Latest week: 2.12 Hz

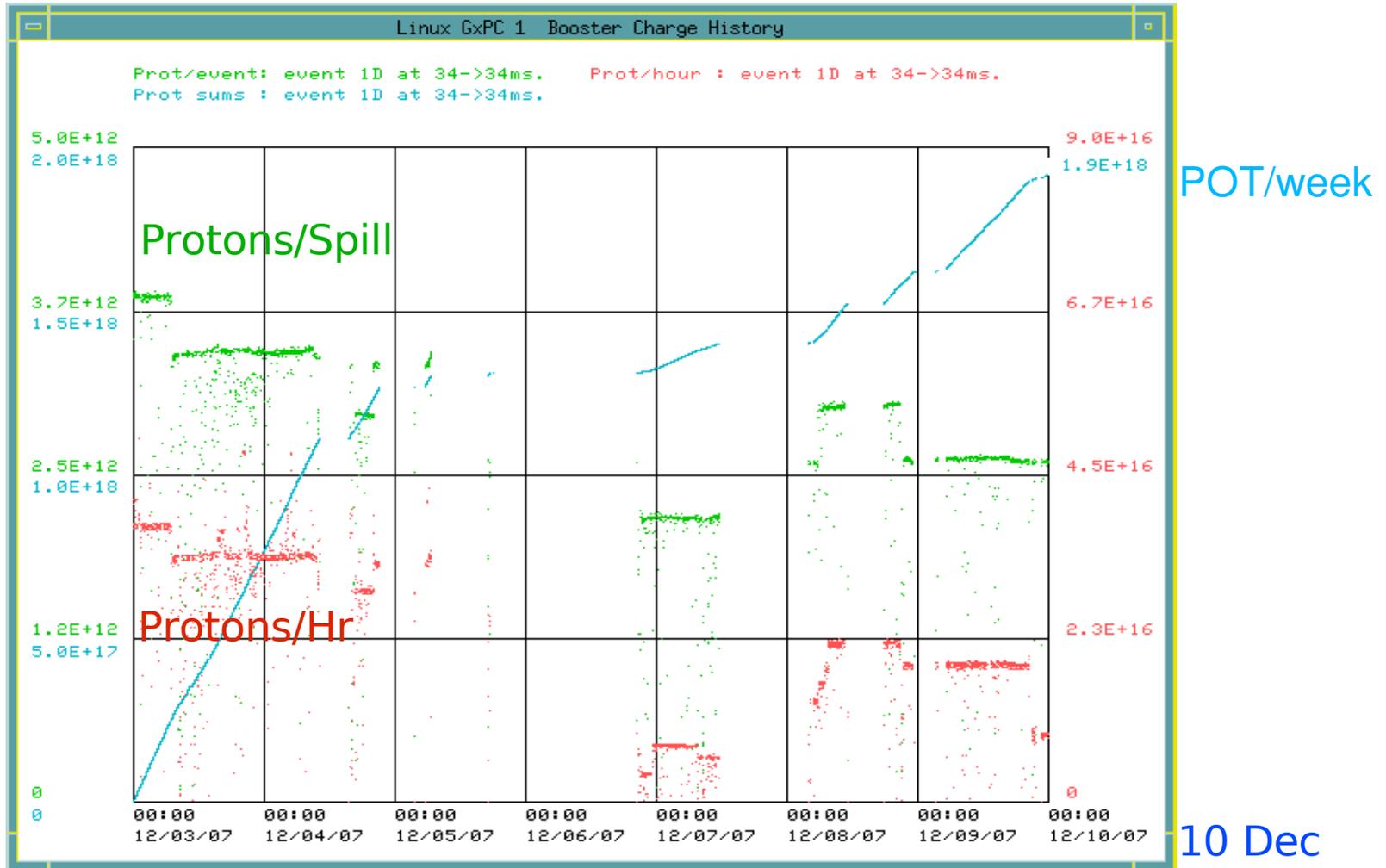
Beam Uptime Fraction

(fraction of time with beam)

Largest week: 97.4 %

Latest week: 49.7 %

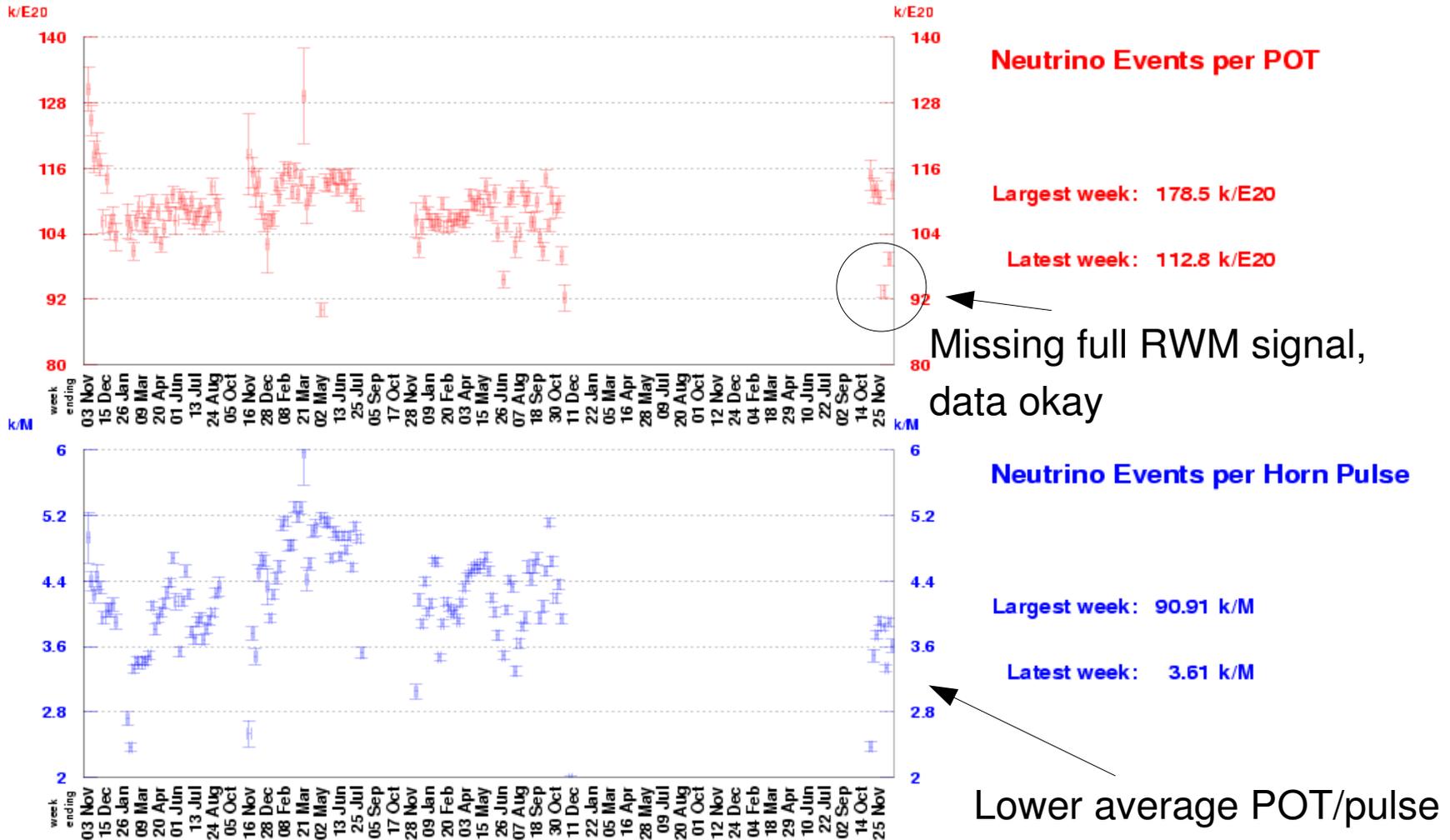
One Week MB Proton/Hr Summary



When on, reduced running at ~6 turns.

Nearline Neutrinos Rates

(does not include data quality corrections)



This Week's Plan

- Continue neutrino running, take advantage of stable Booster output.
- Soon (~2 weeks) to surpass 10E20POT total protons collected!

