

MiniBooNE Report

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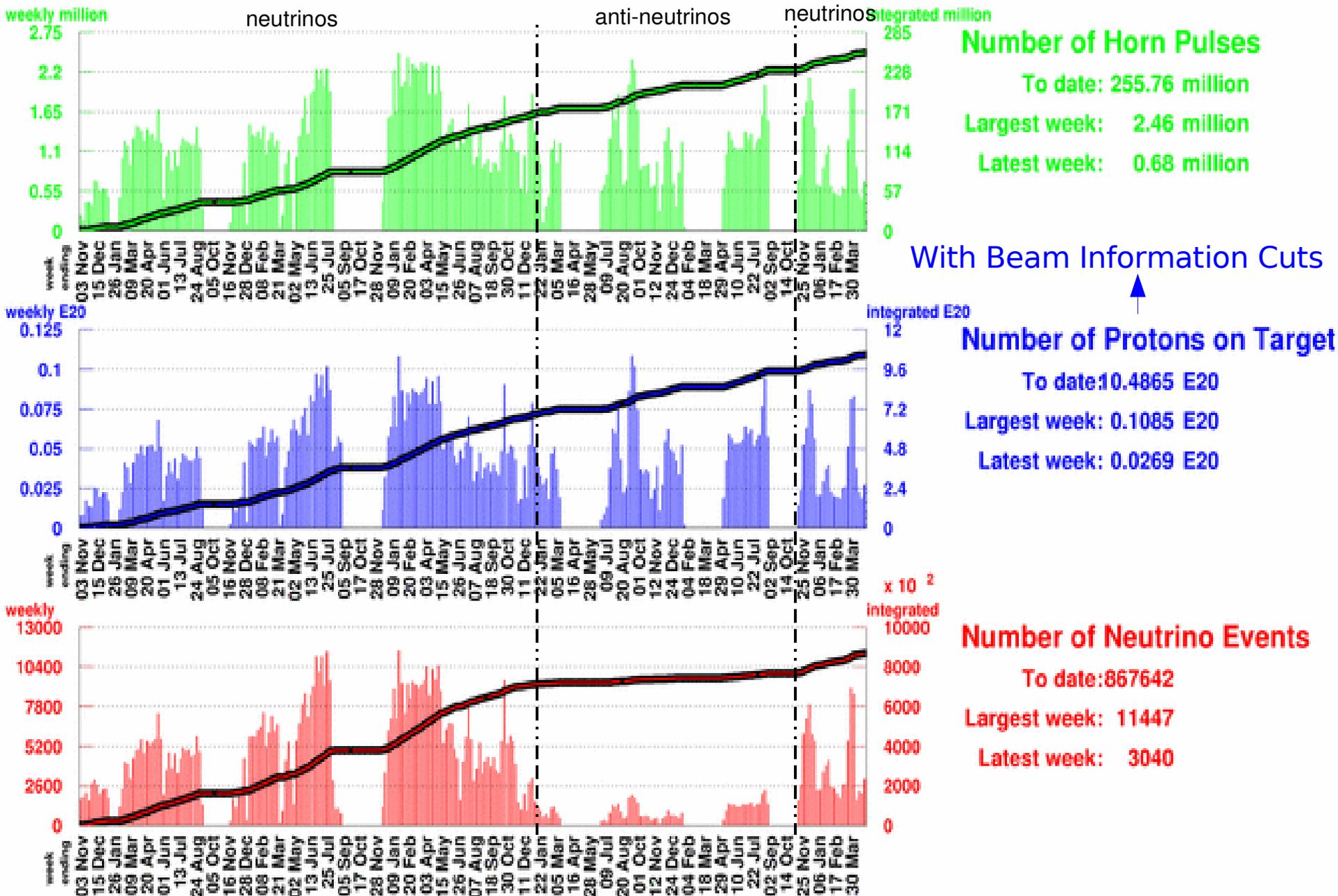
07 April 2008

Week Summary 31 Mar – 07 April

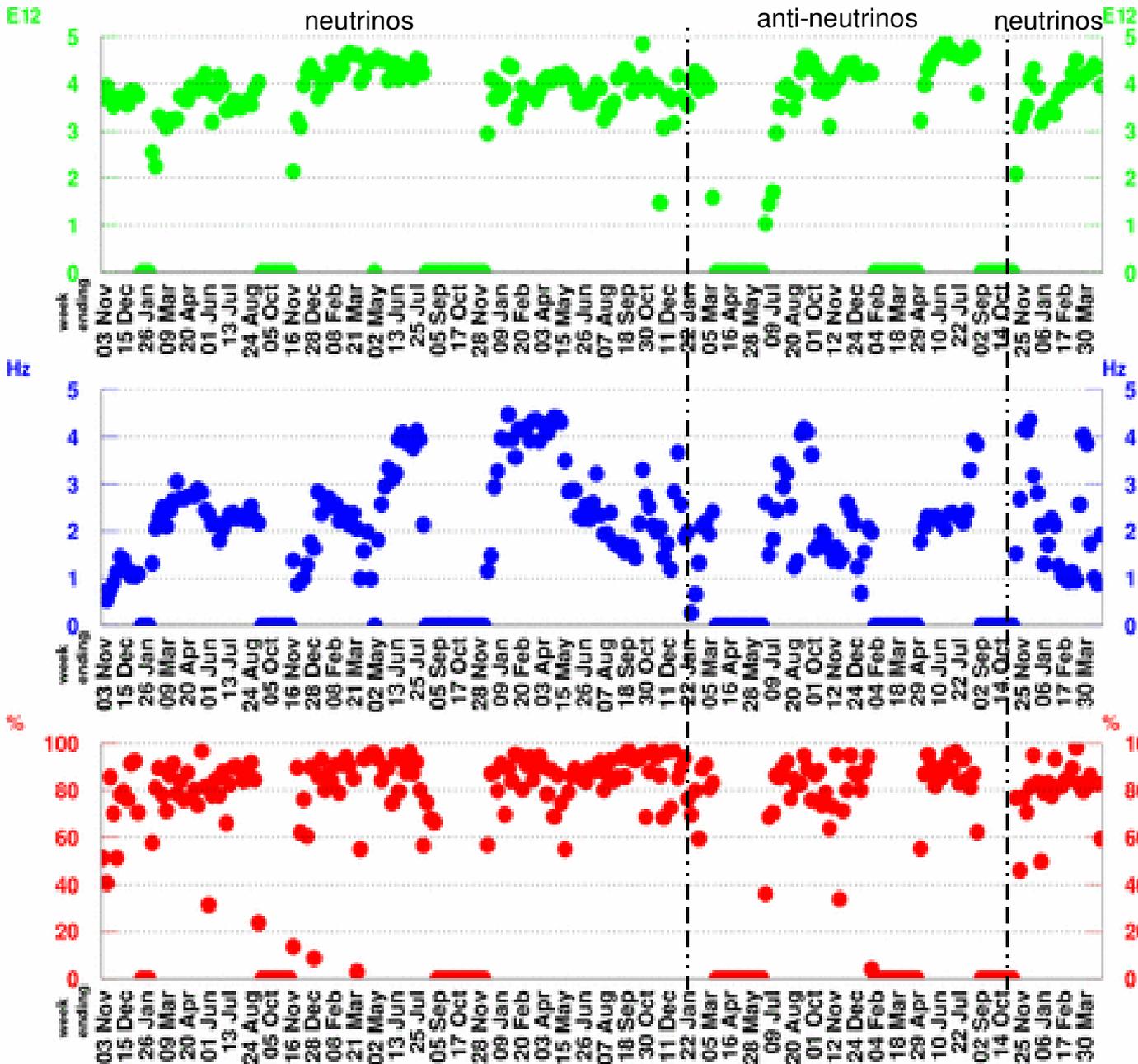
2.7E18 POT, 59% Uptime

- Decent POT despite low uptime. We benefited from two NuMI down days.
- Low intensity ($3.5E12$ ppp) over weekend due to Booster (MP02) problems.
- Major Downtime:
 - 3 hrs, Linac RF problems (Mar 31).
 - 7 hrs, NuMI QD111 investigation (April 01).
 - 34 hrs, NuMI QD111 magnet replacement (April 02).
 - 5 hrs, MP02 ground fault (April 04).
 - 3 hrs, Linac problem (April 6).

31 Mar - 07 April



31 Mar - 07 April



POT per Horn Pulse

Largest week: 4.89 E12

Latest week: 3.96 E12

Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

Latest week: 1.93 Hz

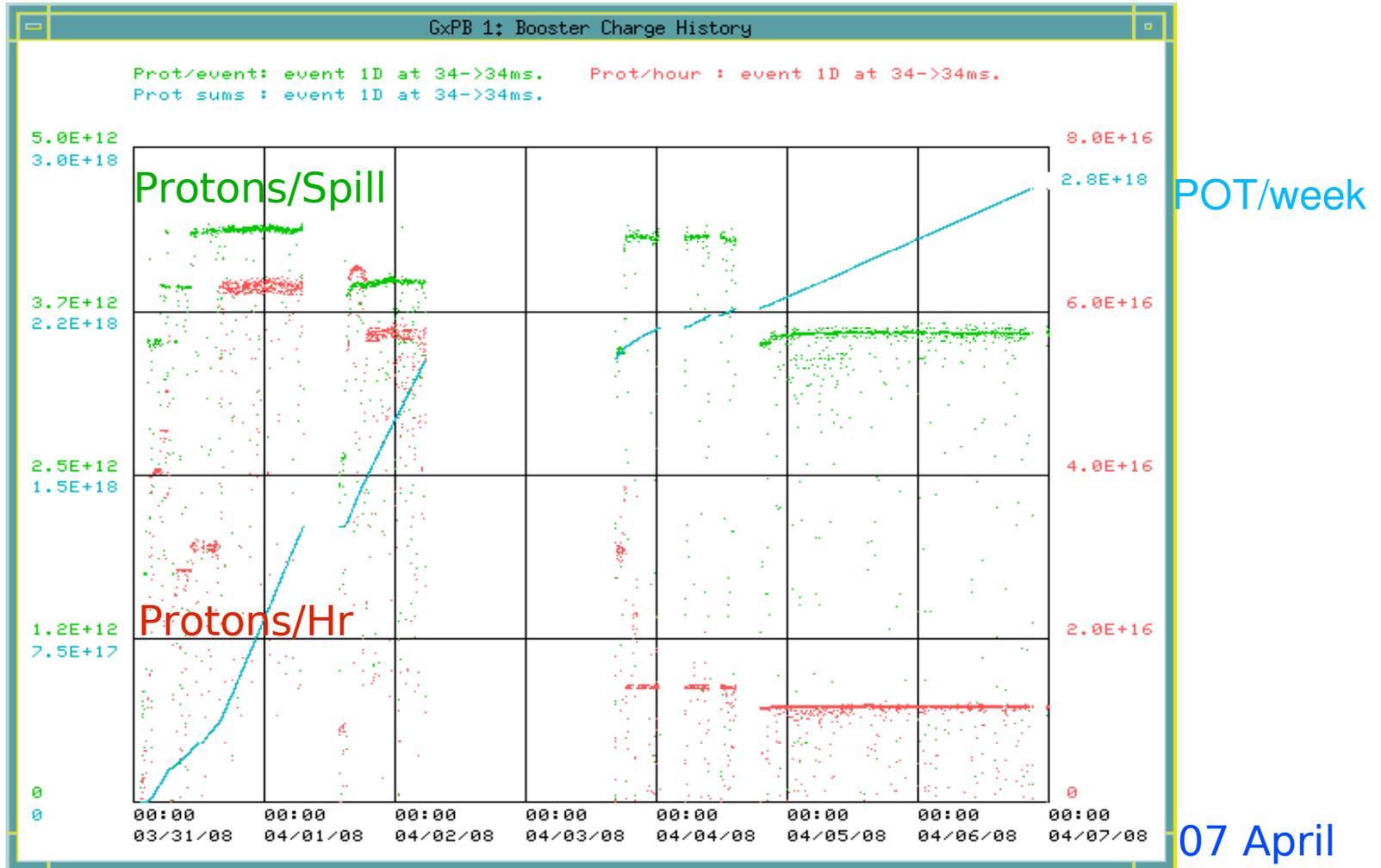
Beam Uptime Fraction

(fraction of time with beam)

Largest week: 98.1 %

Latest week: 59.3 %

One Week MB Proton/Hr Summary



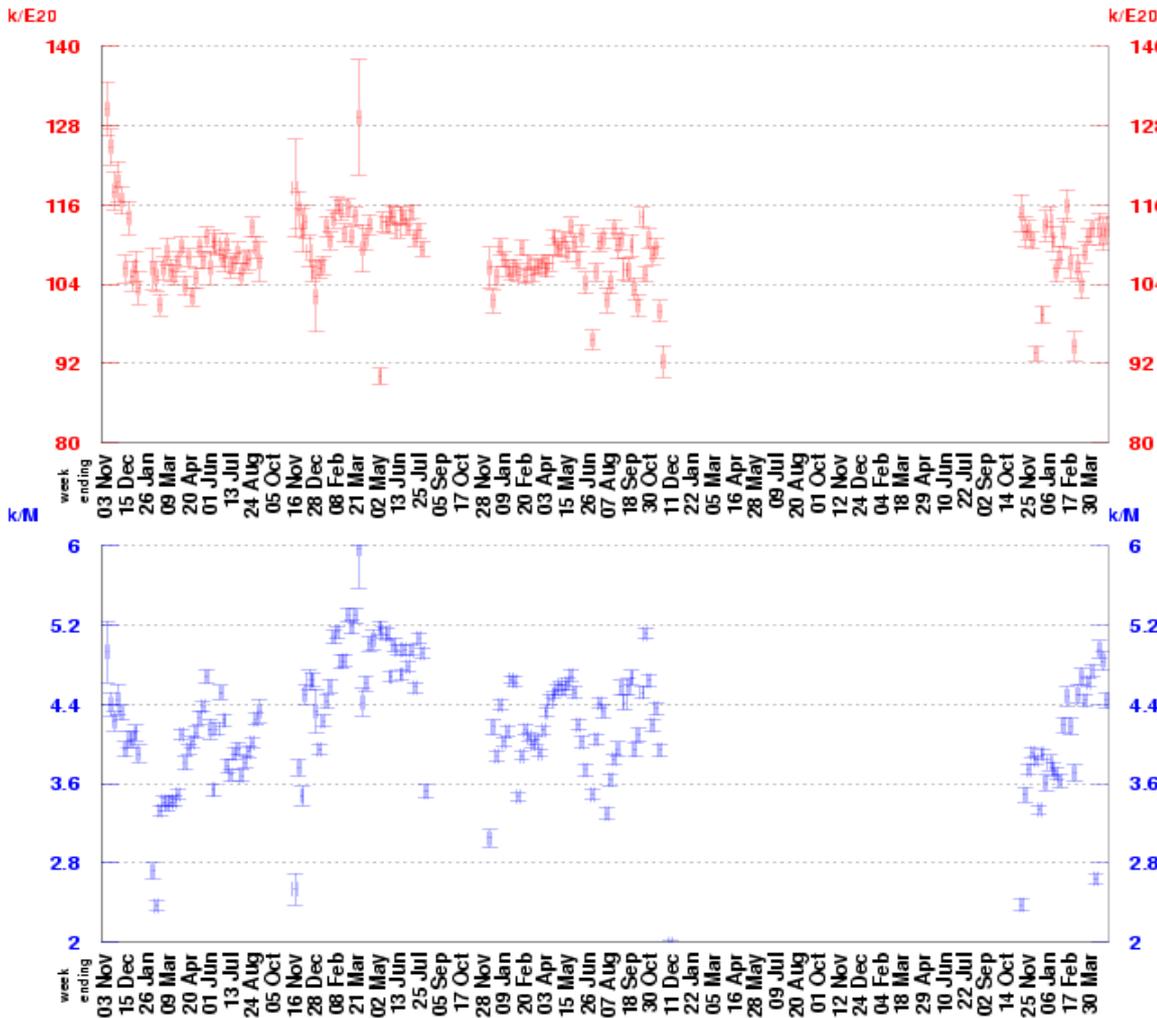
31 Mar

07 April

Good start to the week, low intensity over the weekend.

Nearline Neutrino Rates

(does not include data quality corrections)



Neutrino Events per POT

Largest week: 178.5 k/E20

Latest week: 112.2 k/E20

Neutrino Events per Horn Pulse

Largest week: 90.91 k/M

Latest week: 4.44 k/M

This Week's Plan

- Continue stable running.
- Horn polarity switch starting April 14th.
 - No beam for 5-7 working days.
 - Plan on some minor detector maintenance, otherwise detector remains on.
- Come back up in anti-neutrino mode.
Plan to collect another $2-3E20$ POT.