MiniBooNE Report

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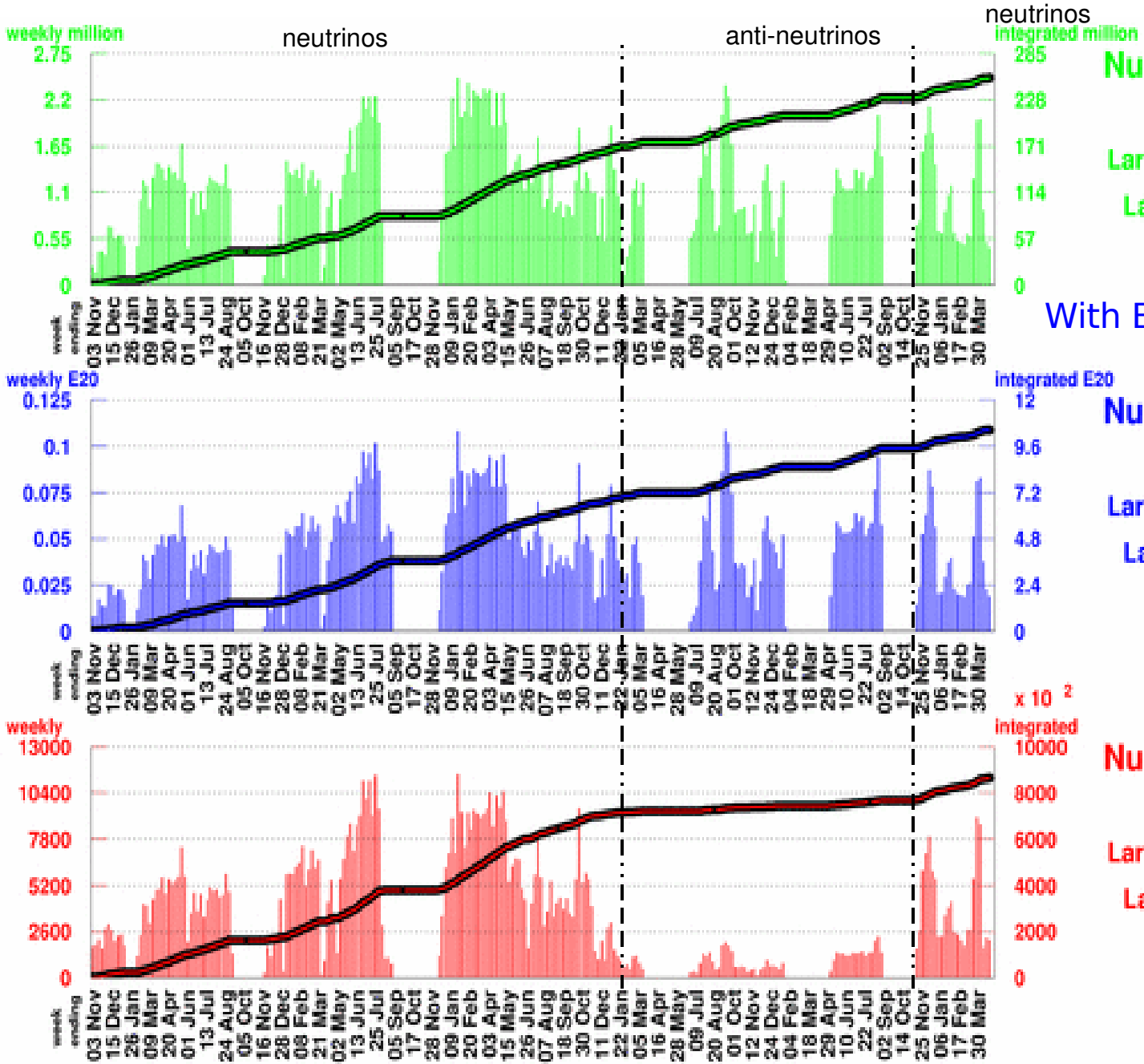
for the MiniBooNE collaboration

31 March 2008

Week Summary 24 Mar – 31 Mar 1.9E18 POT, 83% Uptime

- Running steady at ~1.4E16 P/hr, 4.5E12ppp, and good uptime.
- Major Downtime:
  - 7 hrs, MI safety test (Mar 27).
  - 5 hrs, LRF problems (Mar 28).
  - 14 hrs, MI vacuum and LRF problems (Mar 30).

24 Mar – 31 Mar



Number of Horn Pulses

To date: 255.08 million

Largest week: 2.46 million

Latest week: 0.44 million

With Beam Information Cuts

Number of Protons on Target

To date10.4596 E20

Largest week: 0.1085 E20

Latest week: 0.0191 E20

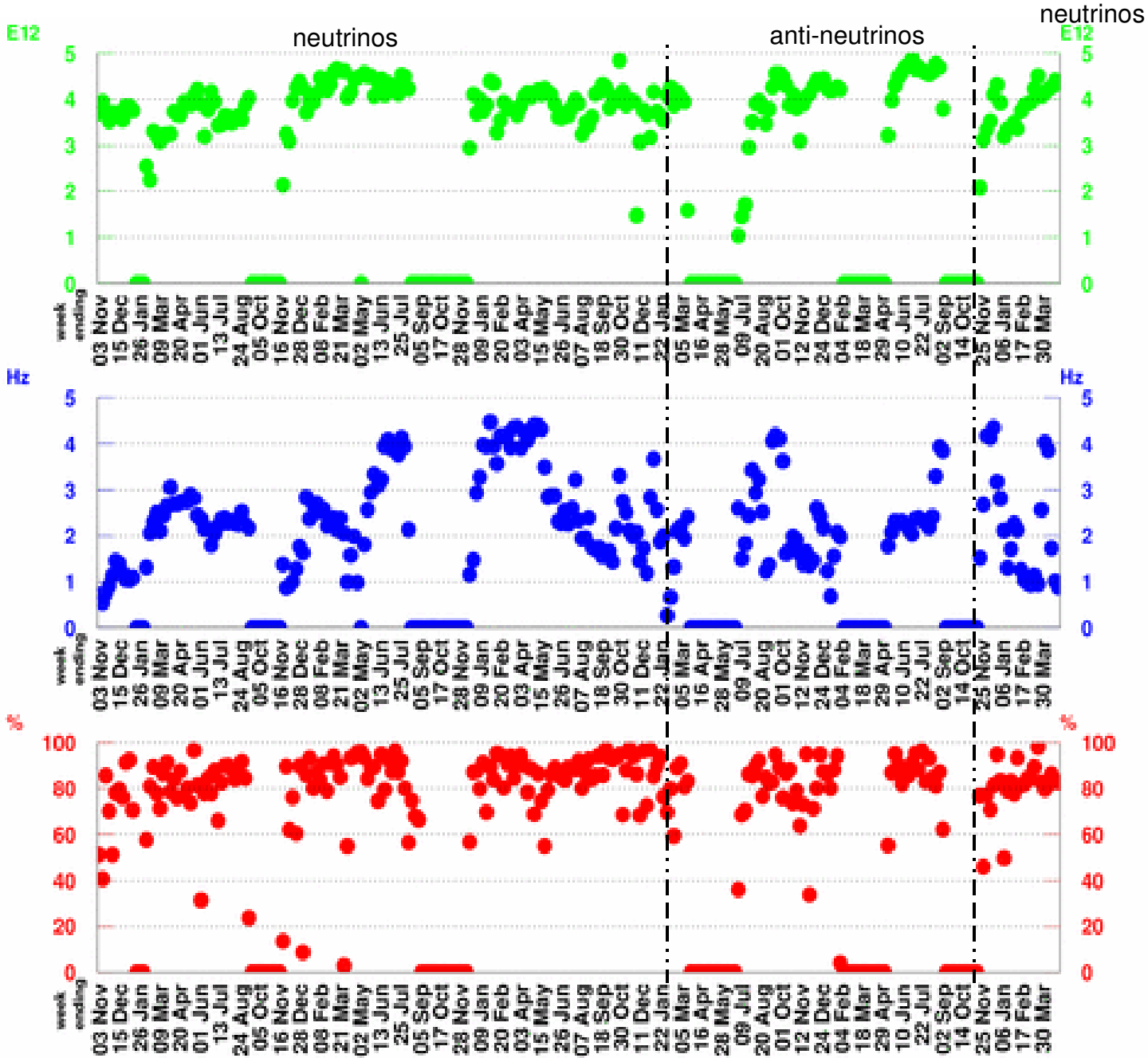
Number of Neutrino Events

To date:864602

Largest week: 11447

Latest week: 2124

24 Mar – 31 Mar



POT per Horn Pulse

Largest week: 4.89 E12

Latest week: 4.34 E12

Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

Latest week: 0.88 Hz

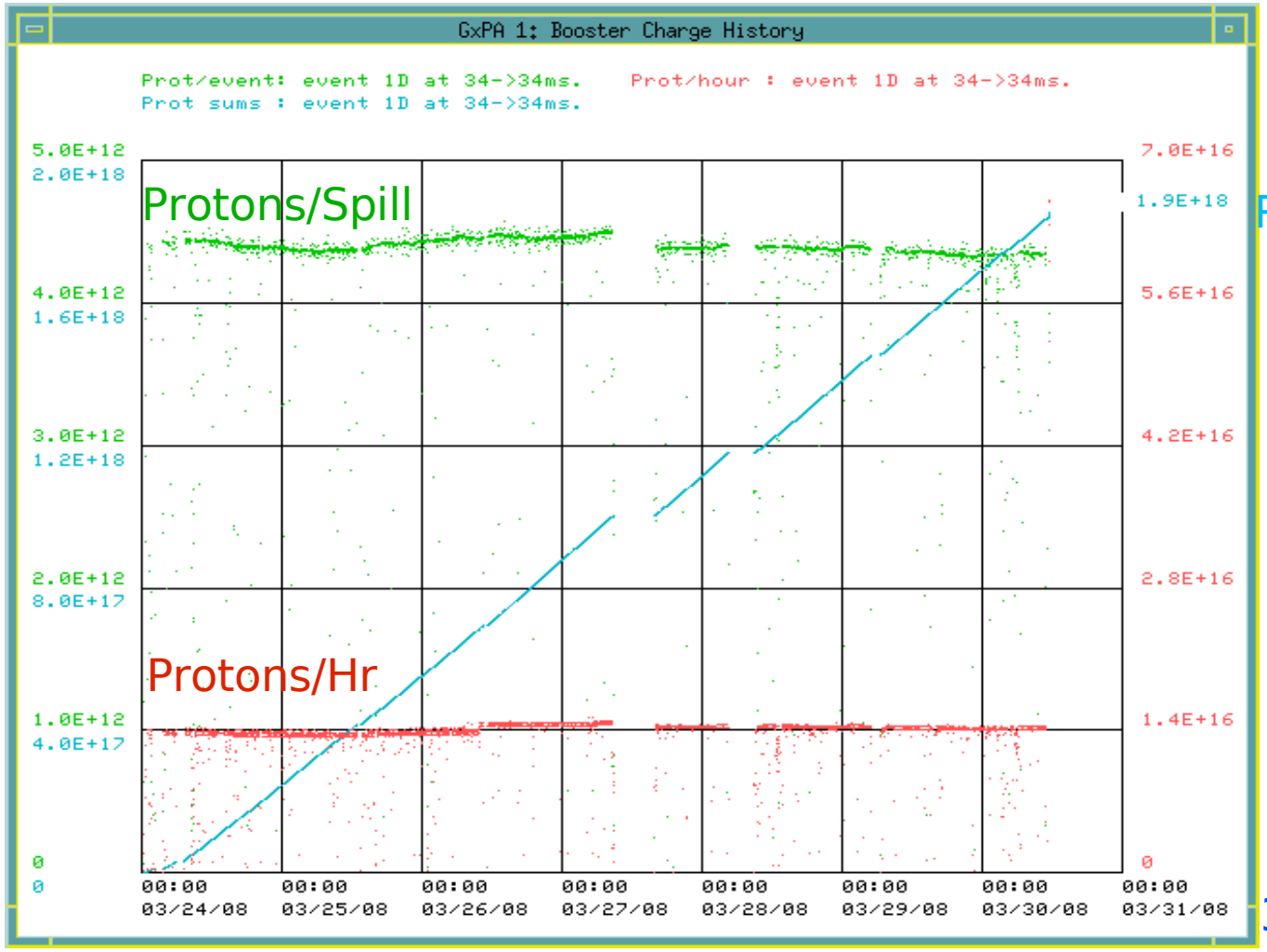
Beam Uptime Fraction

(fraction of time with beam)

Largest week: 98.1 %

Latest week: 82.7 %

One Week MB Proton/Hr Summary



POT/week

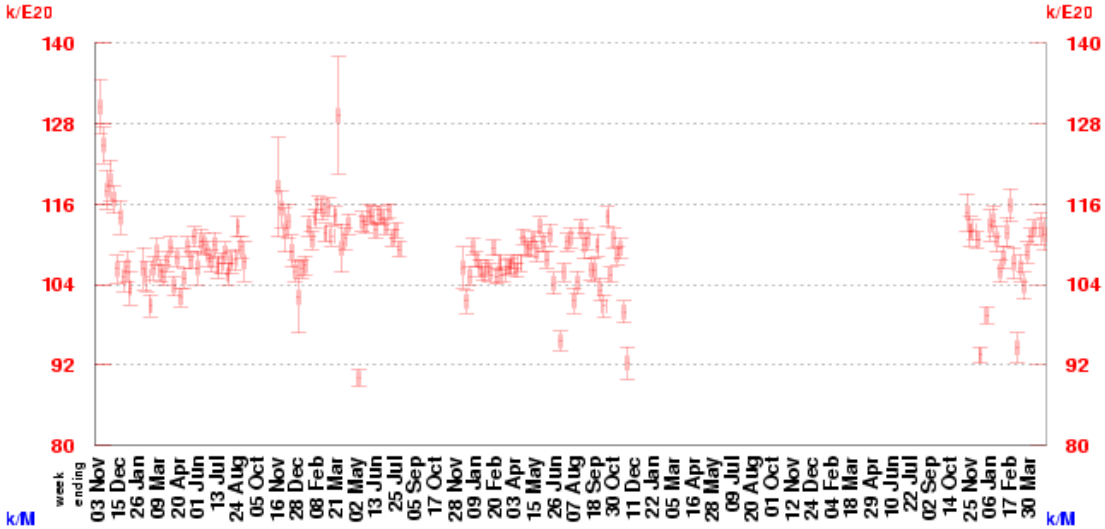
24 Mar

31 Mar

Low intensity but steady running

Nearline Neutrino Rates

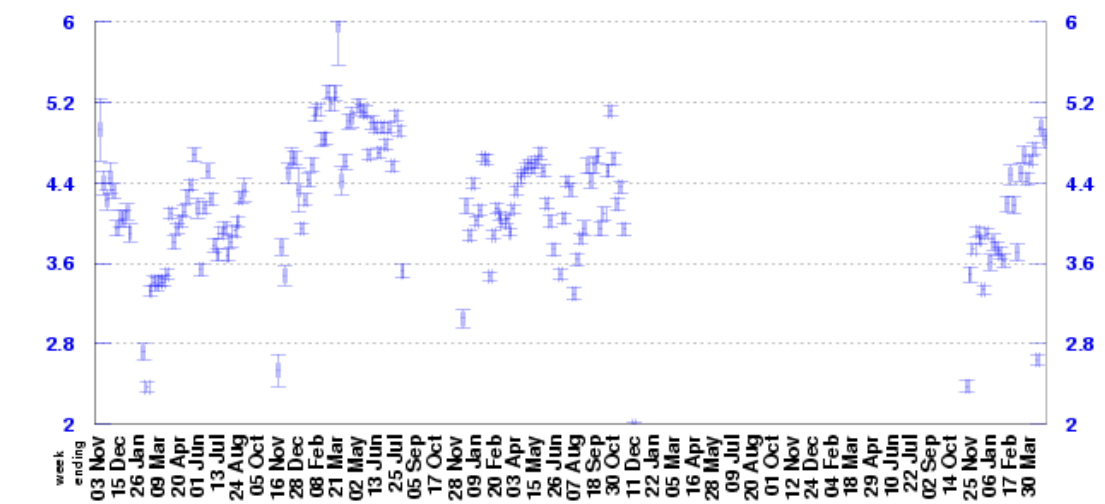
(does not include data quality corrections)



Neutrino Events per POT

Largest week: 178.5 k/E20

Latest week: 111.5 k/E20



Neutrino Events per Horn Pulse

Largest week: 90.91 k/M

Latest week: 4.84 k/M

This Week's Plan

- Continue stable running.
- Planning for April 14th horn polarity switch.