MiniBooNE Report

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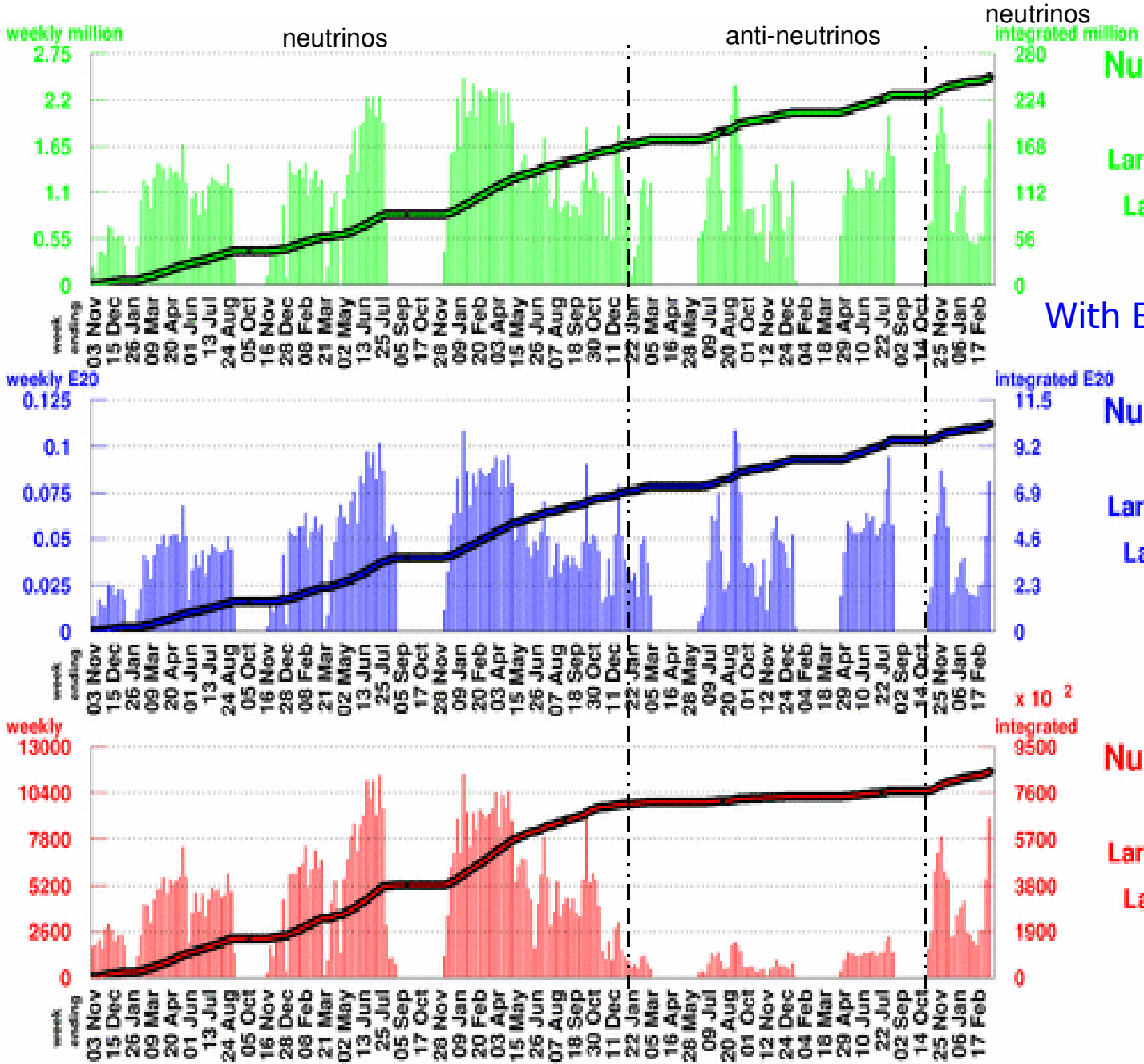
for the MiniBooNE collaboration

03 March 2008

Week Summary 25 Feb – 03 Mar 8.1E18 POT, 80% Uptime

- With NuMI off, running steady at 10 turns, 5 Hz, ~6.5E16 p/hr.
- Major Downtime:
  - 8 hrs, Linac LRF3 repair (Feb 27).
  - 12 hrs, Booster vacuum repair (Mar 1).
  - 5 hrs, MI kicker repair (Mar 2).

25 Feb – 03 Mar



Number of Horn Pulses

To date: 251.28 million

Largest week: 2.46 million

Latest week: 1.95 million

With Beam Information Cuts

Number of Protons on Target

To date10.2975 E20

Largest week: 0.1085 E20

Latest week: 0.0809 E20

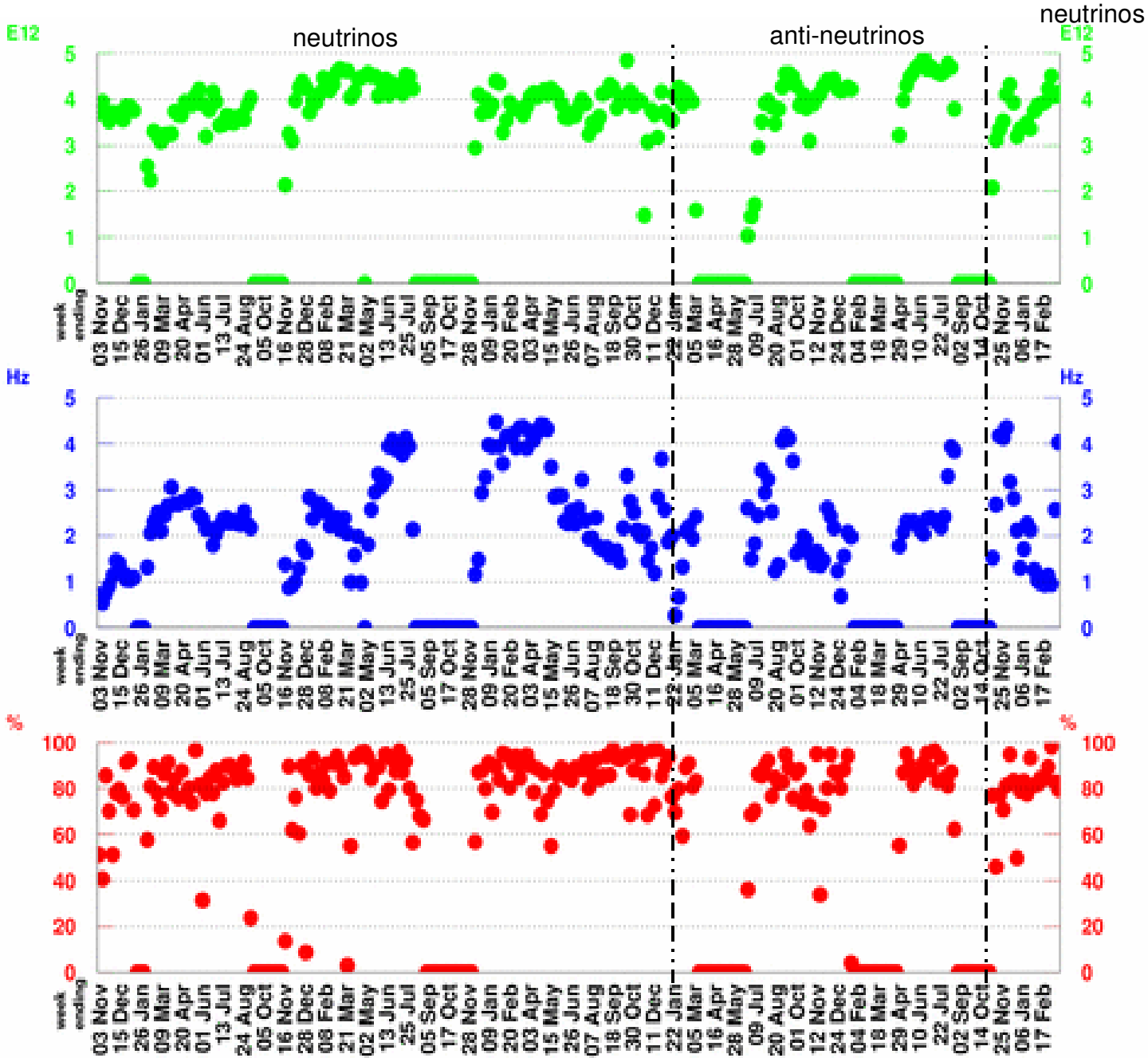
Number of Neutrino Events

To date:849888

Largest week: 11447

Latest week: 9000

25 Feb – 03 Mar



POT per Horn Pulse

Largest week: 4.89 E12

Latest week: 4.15 E12

Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

Latest week: 4.03 Hz

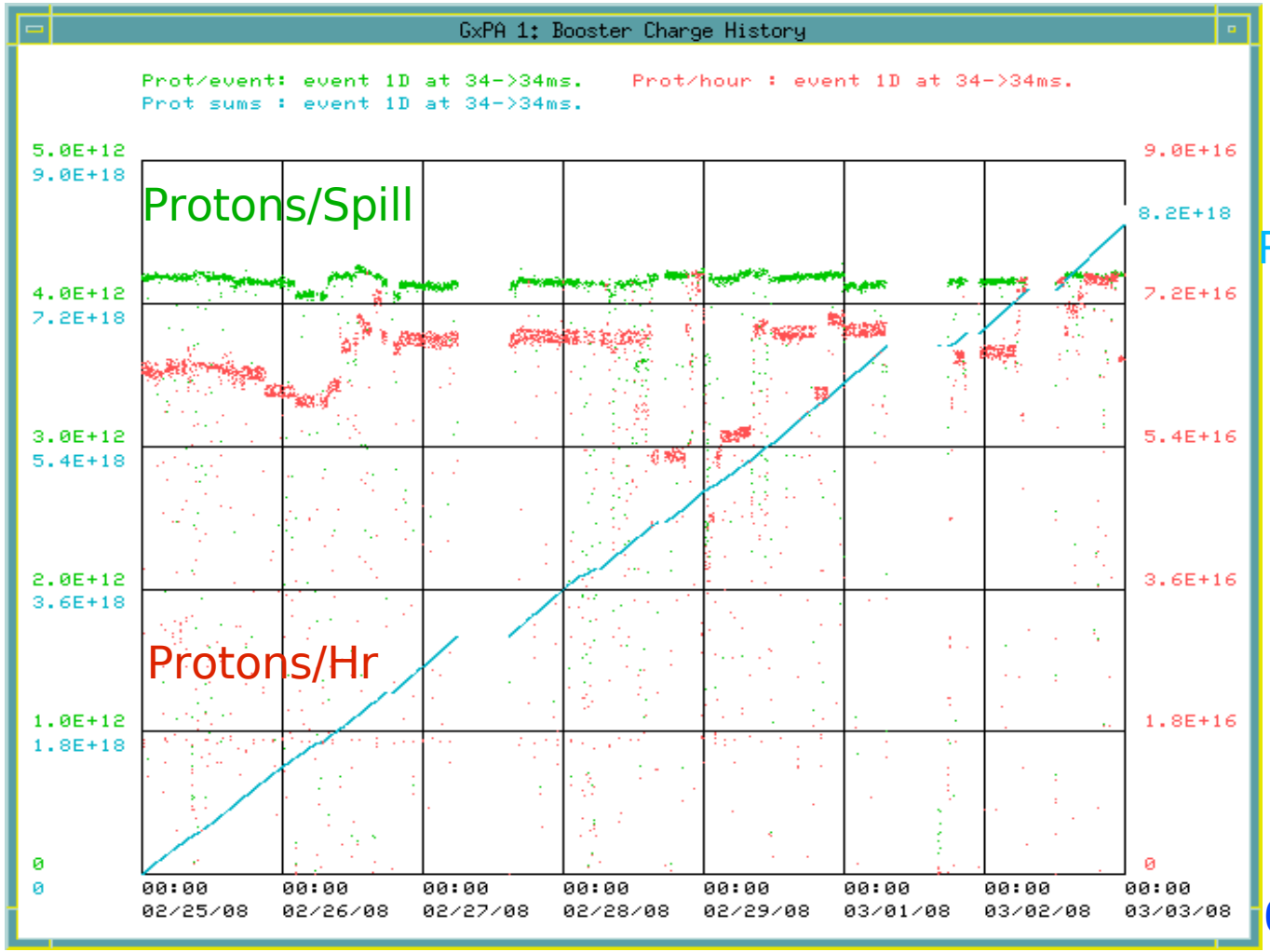
Beam Uptime Fraction

(fraction of time with beam)

Largest week: 98.1 %

Latest week: 79.7 %

One Week MB Proton/Hr Summary



POT/week

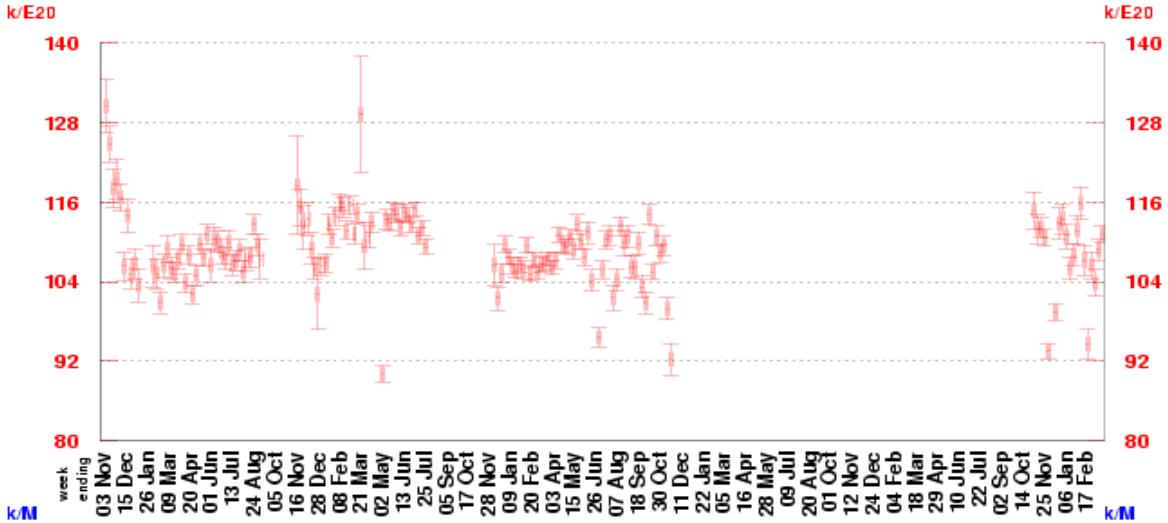
25 Feb

03 Mar

Steady running at 10 turns, 6.5E16 p/hr

Nearline Neutrino Rates

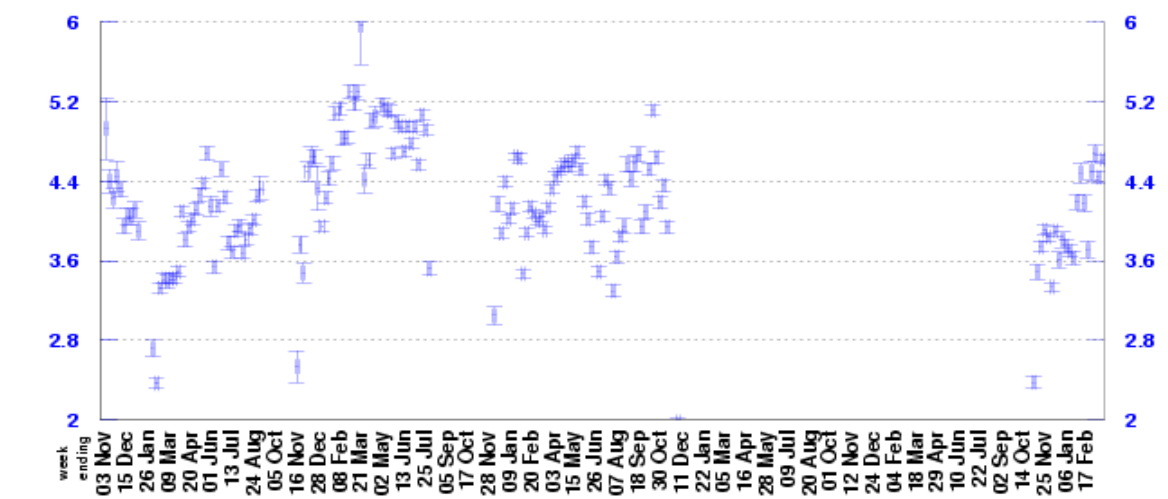
(does not include data quality corrections)



Neutrino Events per POT

Largest week: 178.5 k/E20

Latest week: 111.2 k/E20



Neutrino Events per Horn Pulse

Largest week: 90.91 k/M

Latest week: 4.62 k/M

This Week's Plan

- Continue stable running, take advantage of increased proton output.