MiniBooNE Report

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for the MiniBooNE collaboration

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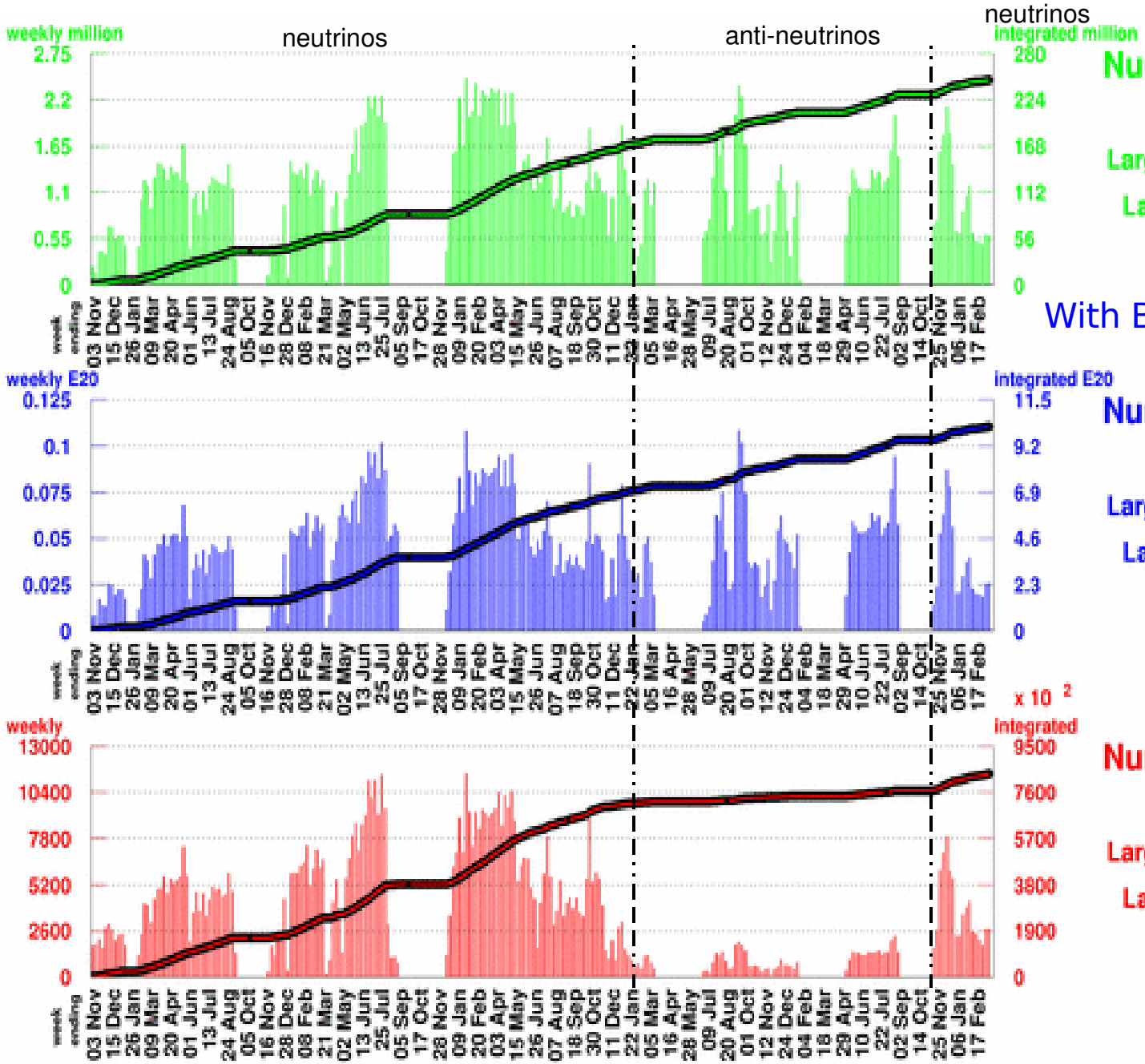
Week Summary 11 Feb – 18 Feb 2.6E18 POT, 98.1% Uptime

- Best ever uptime!
- Running steady at 11-12 turns, ~1.5E16p/hr.
- Major Downtime:
  - None!!

11 Feb – 18 Feb



Number of Horn Pulses

To date: 248.07 million

Largest week: 2.46 million

Latest week: 0.57 million

With Beam Information Cuts

Number of Protons on Target

To date10.1652 E20

Largest week: 0.1085 E20

Latest week: 0.0259 E20

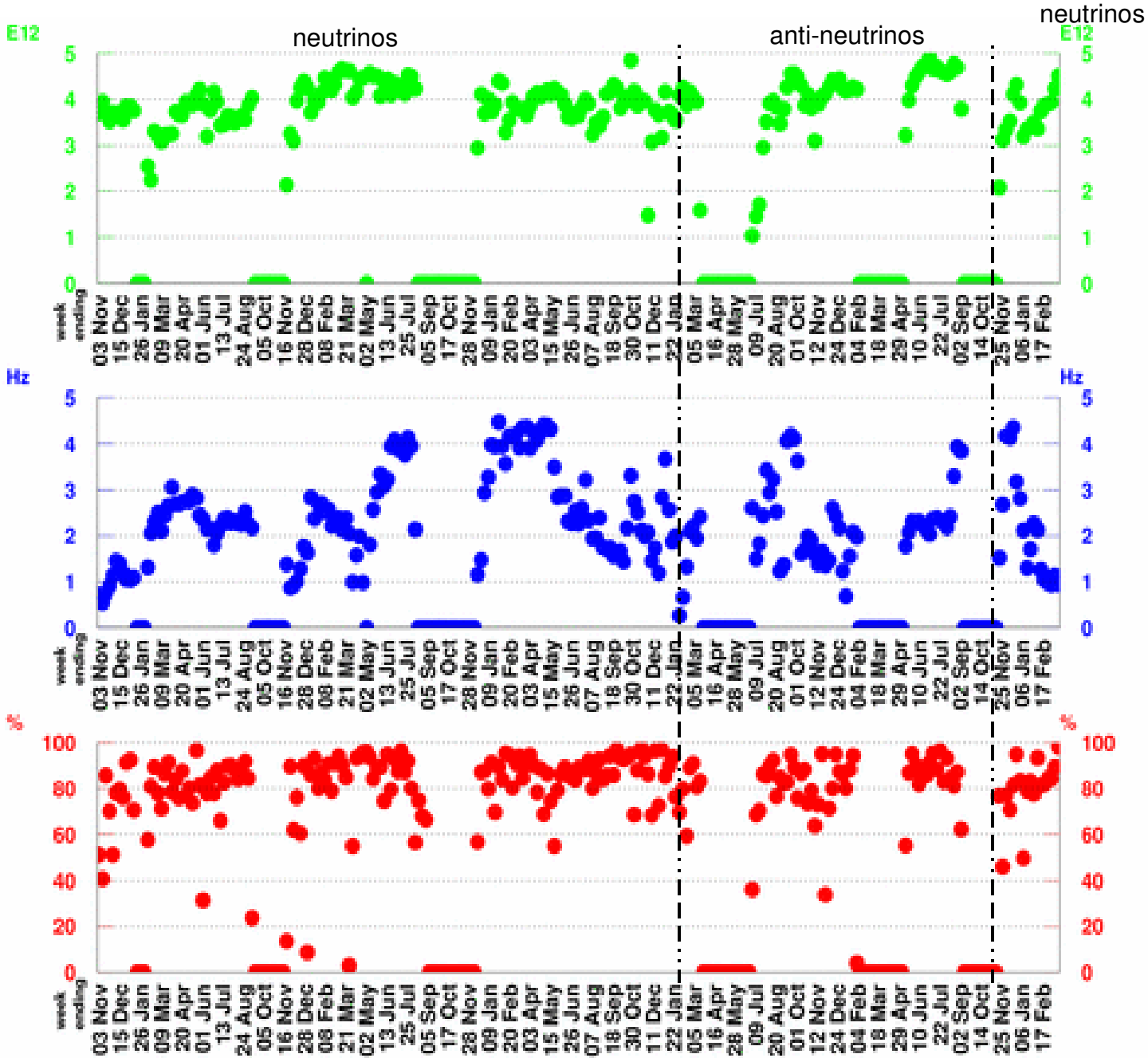
Number of Neutrino Events

To date:835317

Largest week: 11447

Latest week: 2691

11 Feb – 18 Feb



POT per Horn Pulse

Largest week: 4.89 E12

Latest week: 4.51 E12

Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

Latest week: 0.95 Hz

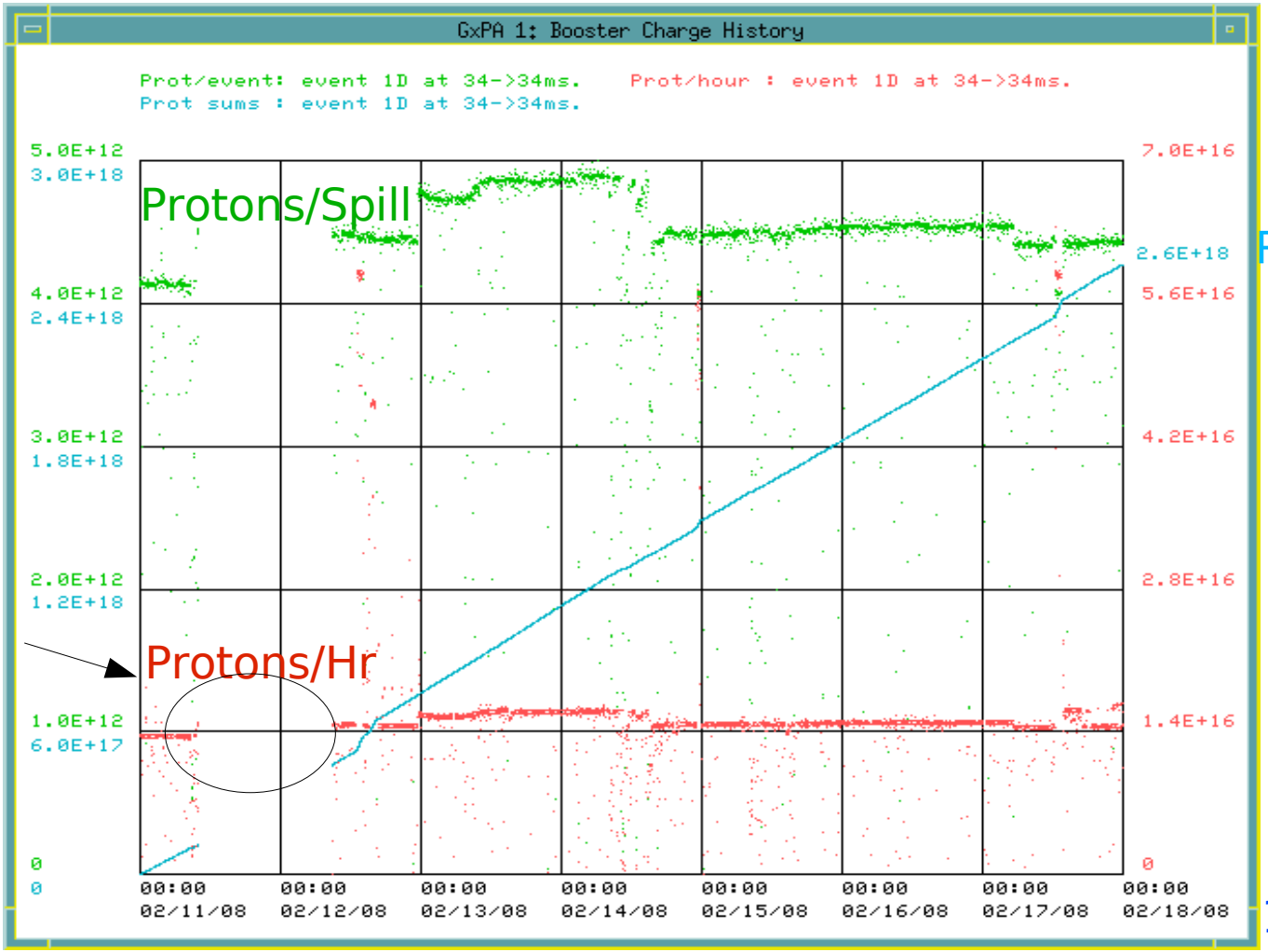
Beam Uptime Fraction

(fraction of time with beam)

Largest week: 98.1 %

Latest week: 98.1 %

One Week MB Proton/Hr Summary



POT/week

Missing B87 info

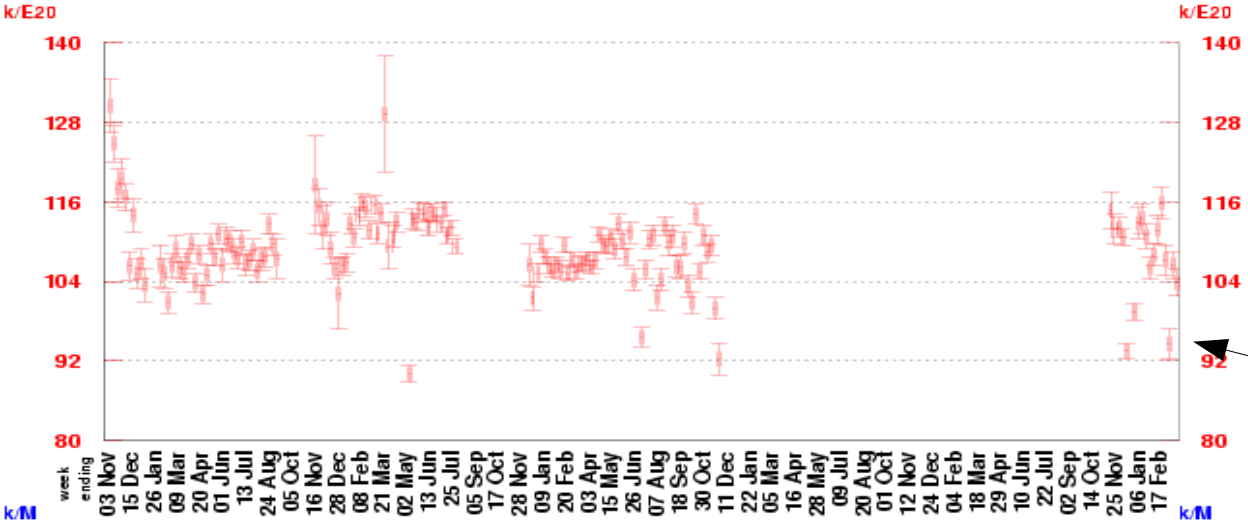
11 Feb

18 Feb

Steady running at 11-12 turns.

Nearline Neutrino Rates

(does not include data quality corrections)

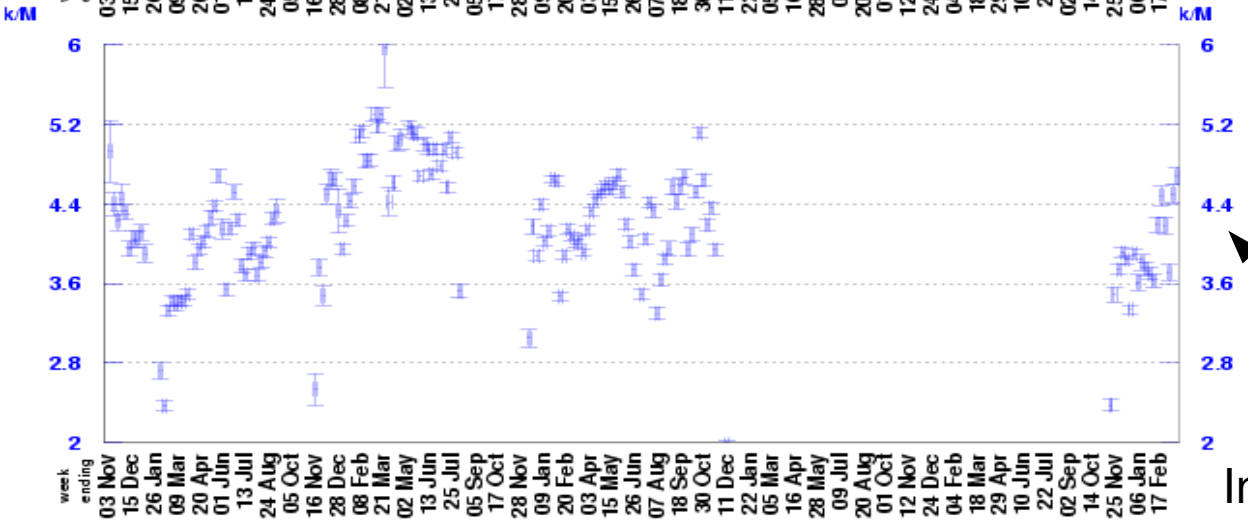


Neutrino Events per POT

Largest week: 178.5 k/E20

Latest week: 103.8 k/E20

Missing full RWM signal, data okay



Neutrino Events per Horn Pulse

Largest week: 90.91 k/M

Latest week: 4.68 k/M

Increase in average POT/spill

This Week's Plan

- Continue stable running, take advantage of whatever protons head our way.