MiniBooNE Report

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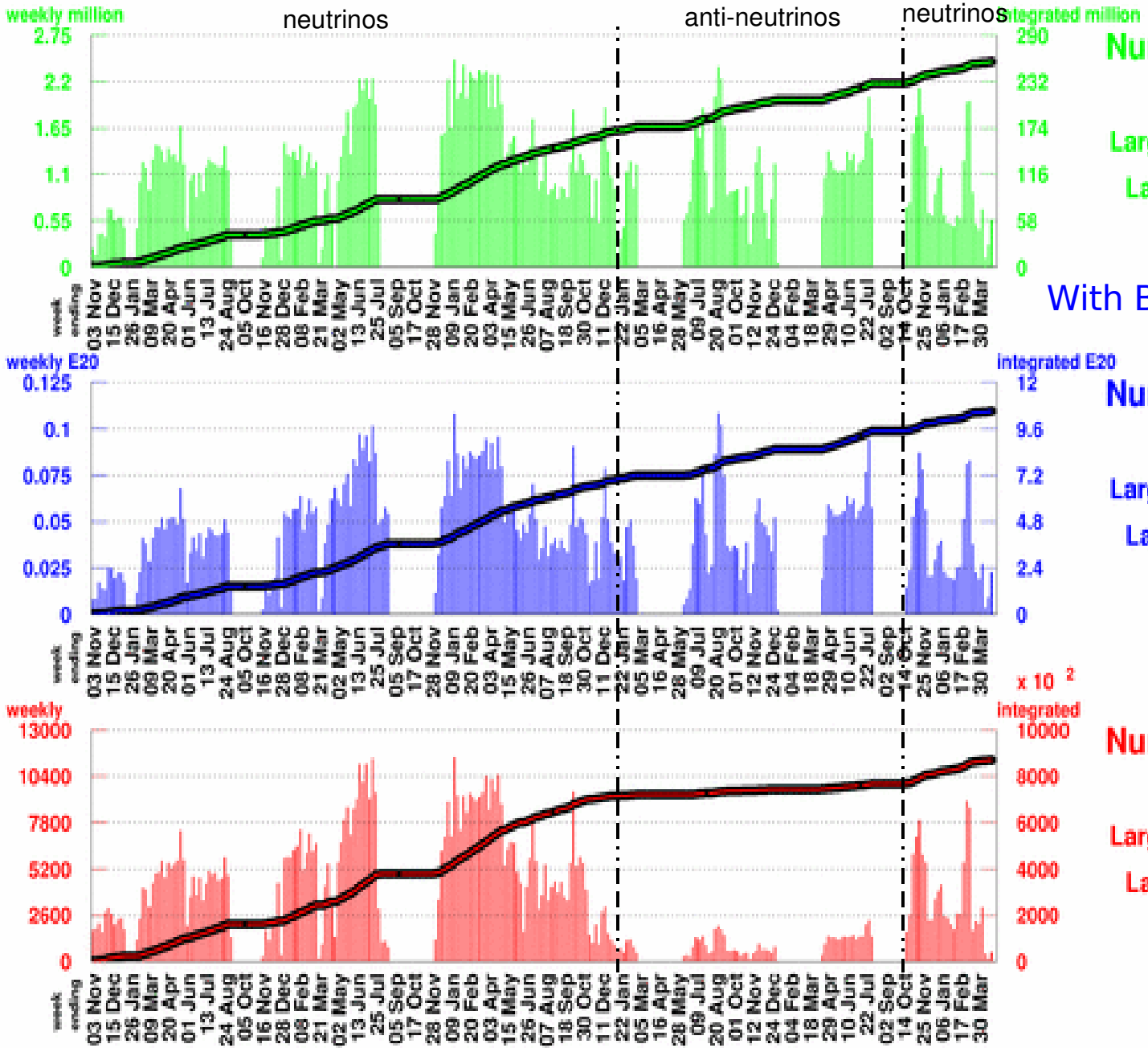
for the MiniBooNE collaboration

28 April 2008

Week Summary 21 April – 28 April 2.3E18 POT, 94% Uptime

- Back to 10 turns and ~1 Hz => ~1.5E20 p/hr.
  - Thanks to Proton source and Ops for getting us tuned up, and steady running!
- Major Downtime:
  - 8 hrs, MI RF repair (April 23).

21 April – 28 April



Number of Horn Pulses

To date: 256.66 million

Largest week: 2.46 million

Latest week: 0.54 million

With Beam Information Cuts

Number of Protons on Target

To date10.5218 E20

Largest week: 0.1085 E20

Latest week: 0.0225 E20

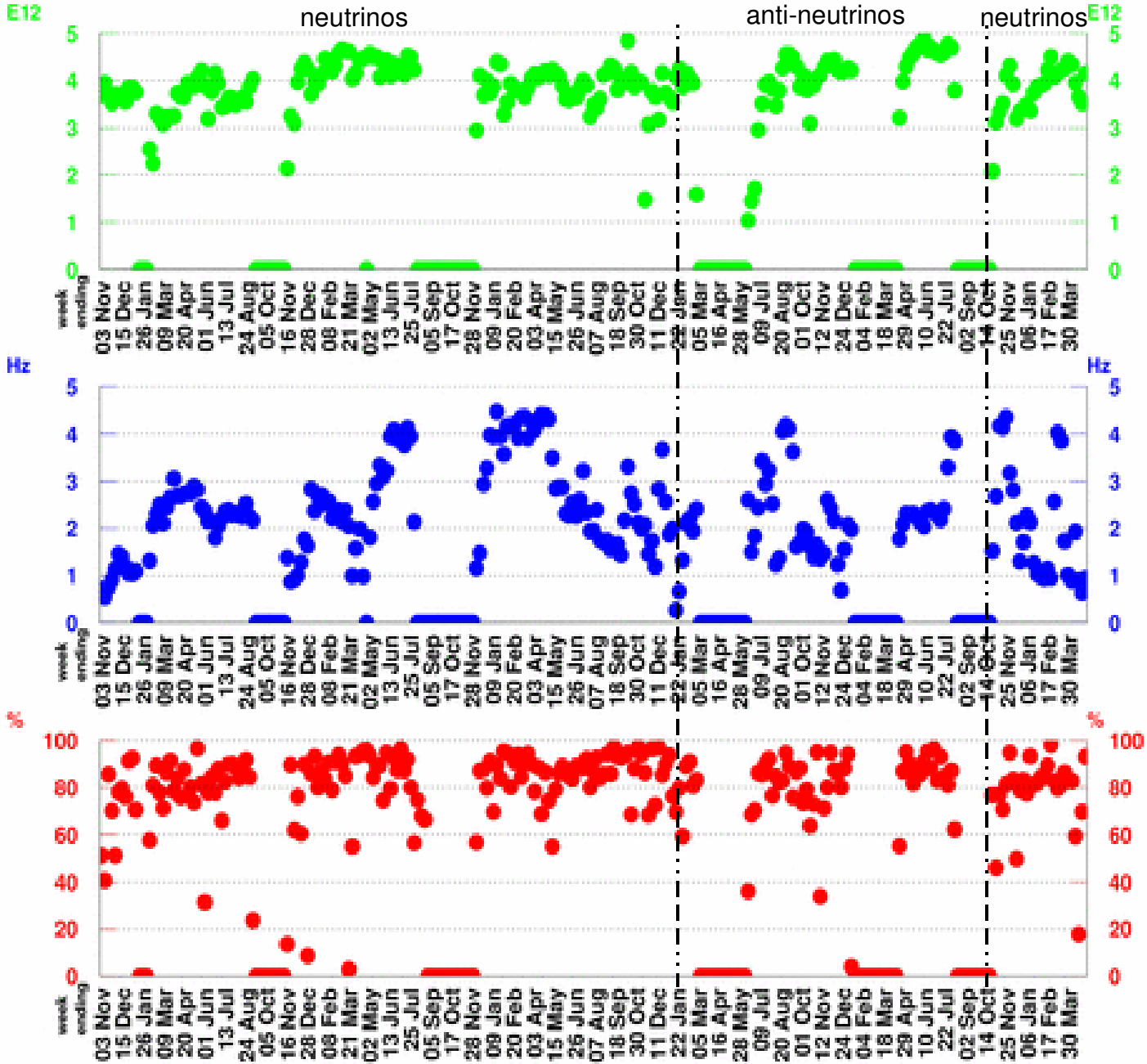
Number of Neutrino Events

To date:868766

Largest week: 11447

Latest week: 509

21 April – 28 April



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: 0.94 Hz

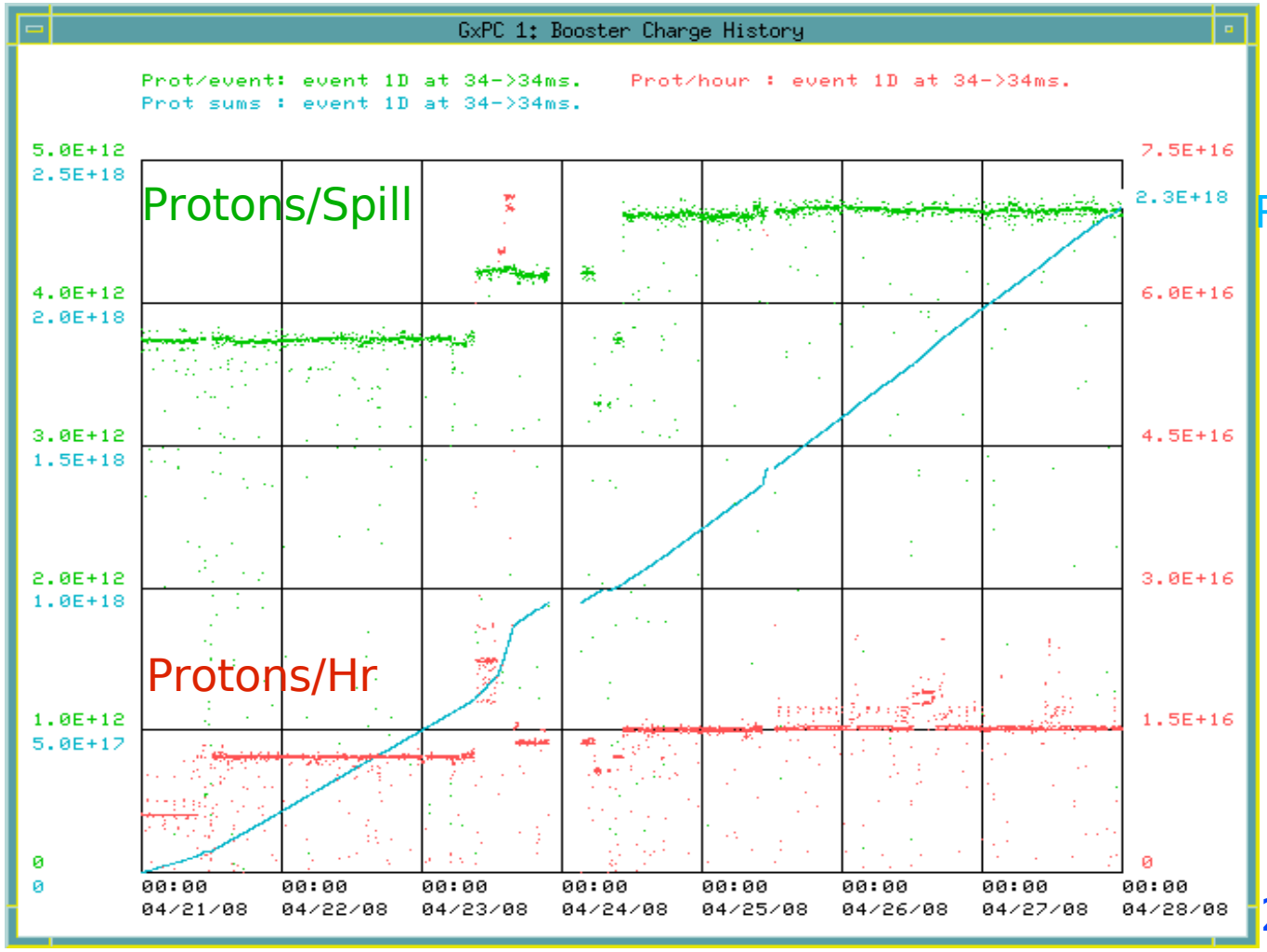
Beam Uptime Fraction

(fraction of time with beam)

Largest week: 98.1 %

Latest week: 93.1 %

One Week MB Proton/Hr Summary



POT/week

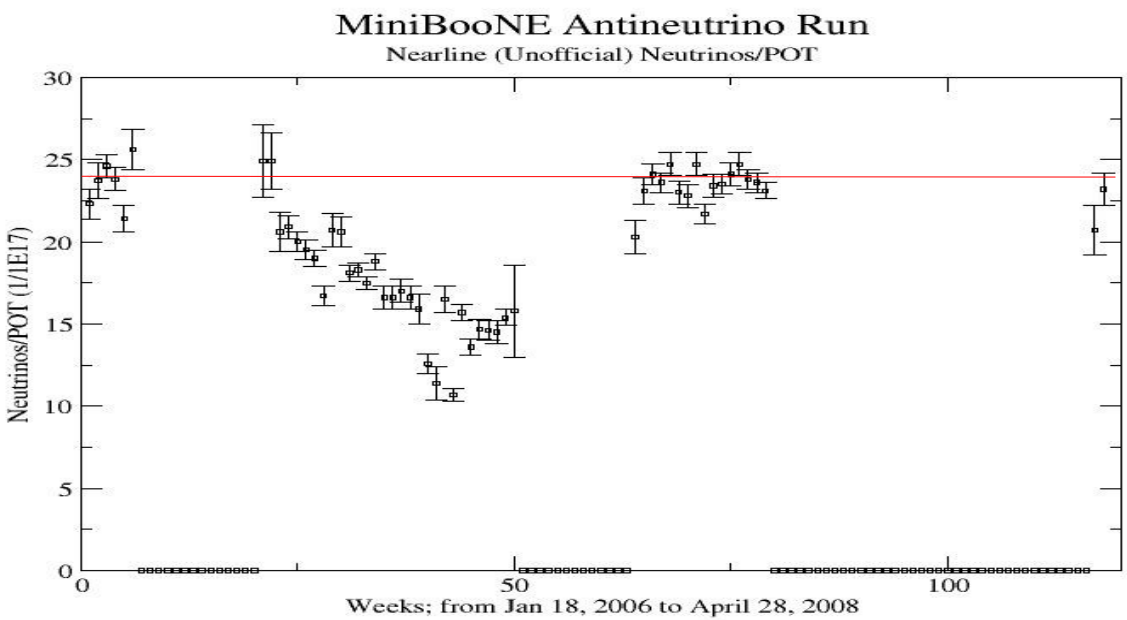
21 April

28 April

Tuned up to 10 turns, ~1.5E16 p/hr, steady running!

Expected AntiNeutrino Rates

- Neutrino rate ~1100/1E18 POT
- Last weeks antineutrino rate= 232/1E18 POT
- Expect a reduction of ~2 for flux, and ~2.5 for cross sections.



This Week's Plan

- Continue stable running.