MiniBooNE Report

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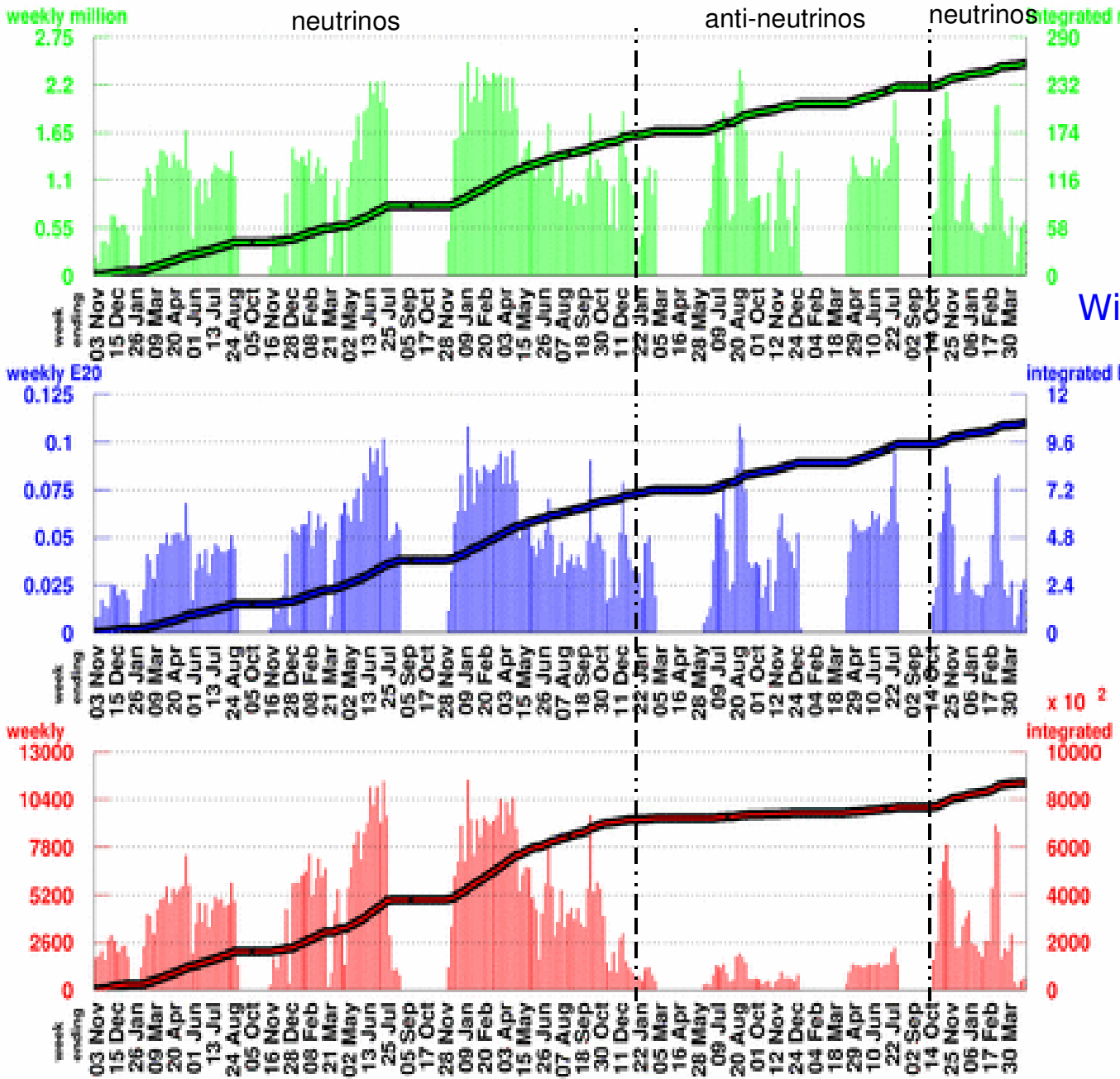
for the MiniBooNE collaboration

05 May 2008

Week Summary 28 April – 05 May 2.8E18 POT, 88% Uptime

- Steady antineutrino running at 10 turns and ~1 Hz => ~1.5E16 p/hr.
- When MTest running, we bump up to ~2E16p/hr!
- Major Downtime:
  - 12 hrs, Linac RF repairs/ MI access (April 29).
  - 4 hrs, F-sector access (April 30).
  - 2 hrs, Linac repair (May 3).

28 April – 05 May



Number of Horn Pulses

To date: 257.28 million

Largest week: 2.46 million

Latest week: 0.62 million

With Beam Information Cuts

Number of Protons on Target

To date10.5495 E20

Largest week: 0.1085 E20

Latest week: 0.0277 E20

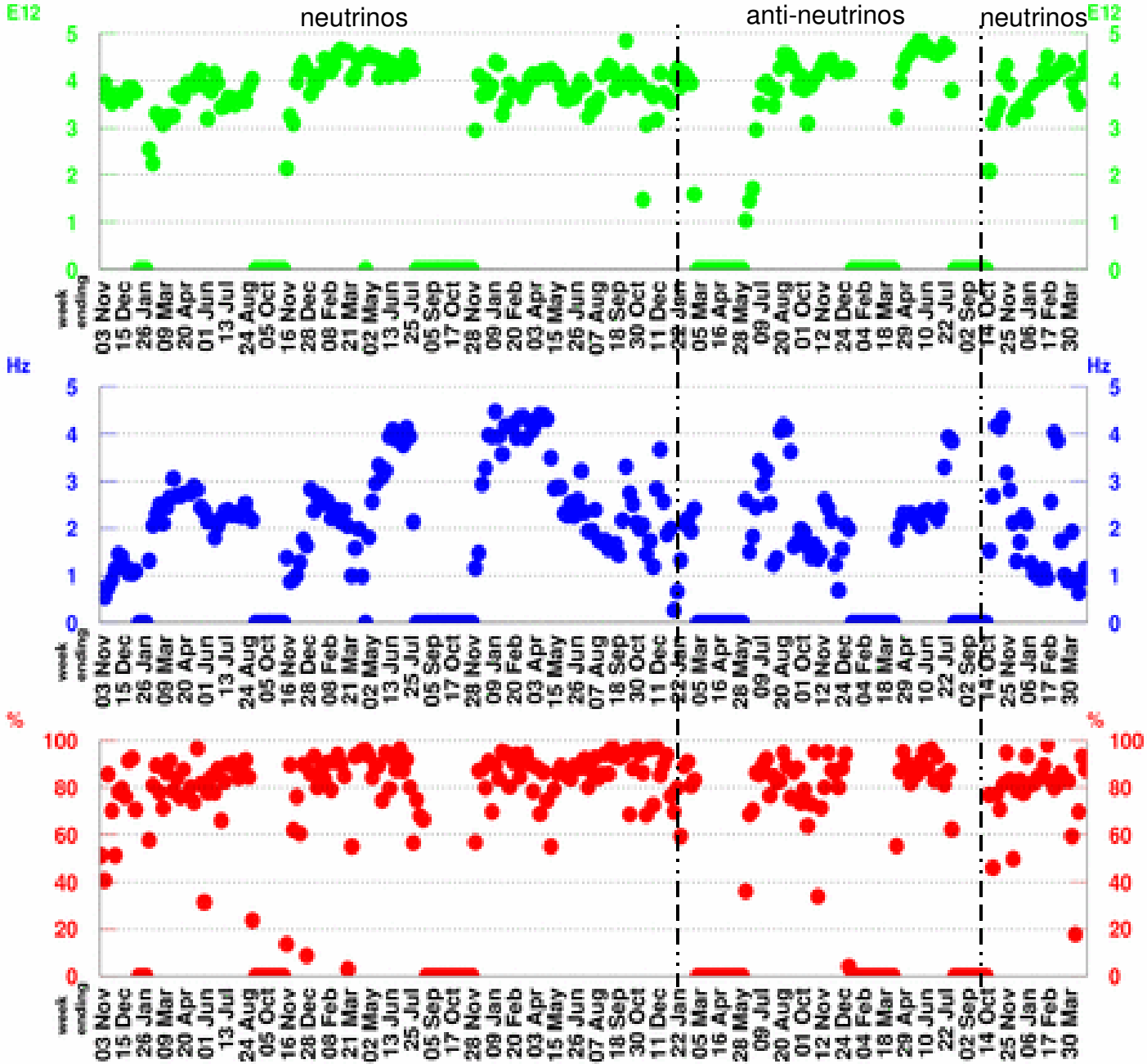
Number of Neutrino Events

To date:869435

Largest week: 11447

Latest week: 669

28 April – 05 May



POT per Horn Pulse

Largest week: 4.89 E12

Latest week: 4.47 E12

Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

Latest week: 1.15 Hz

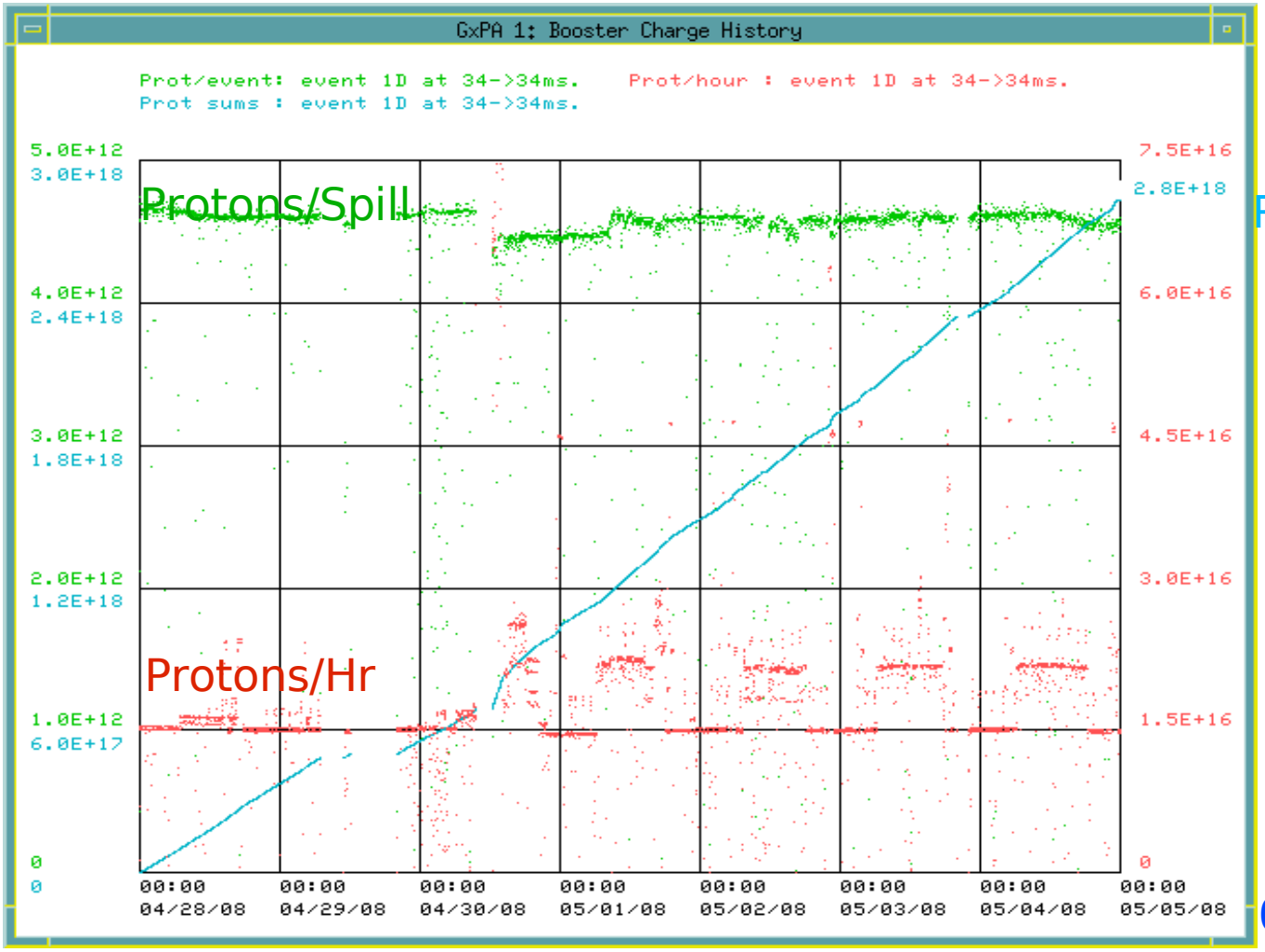
Beam Uptime Fraction

(fraction of time with beam)

Largest week: 98.1 %

Latest week: 87.7 %

One Week MB Proton/Hr Summary



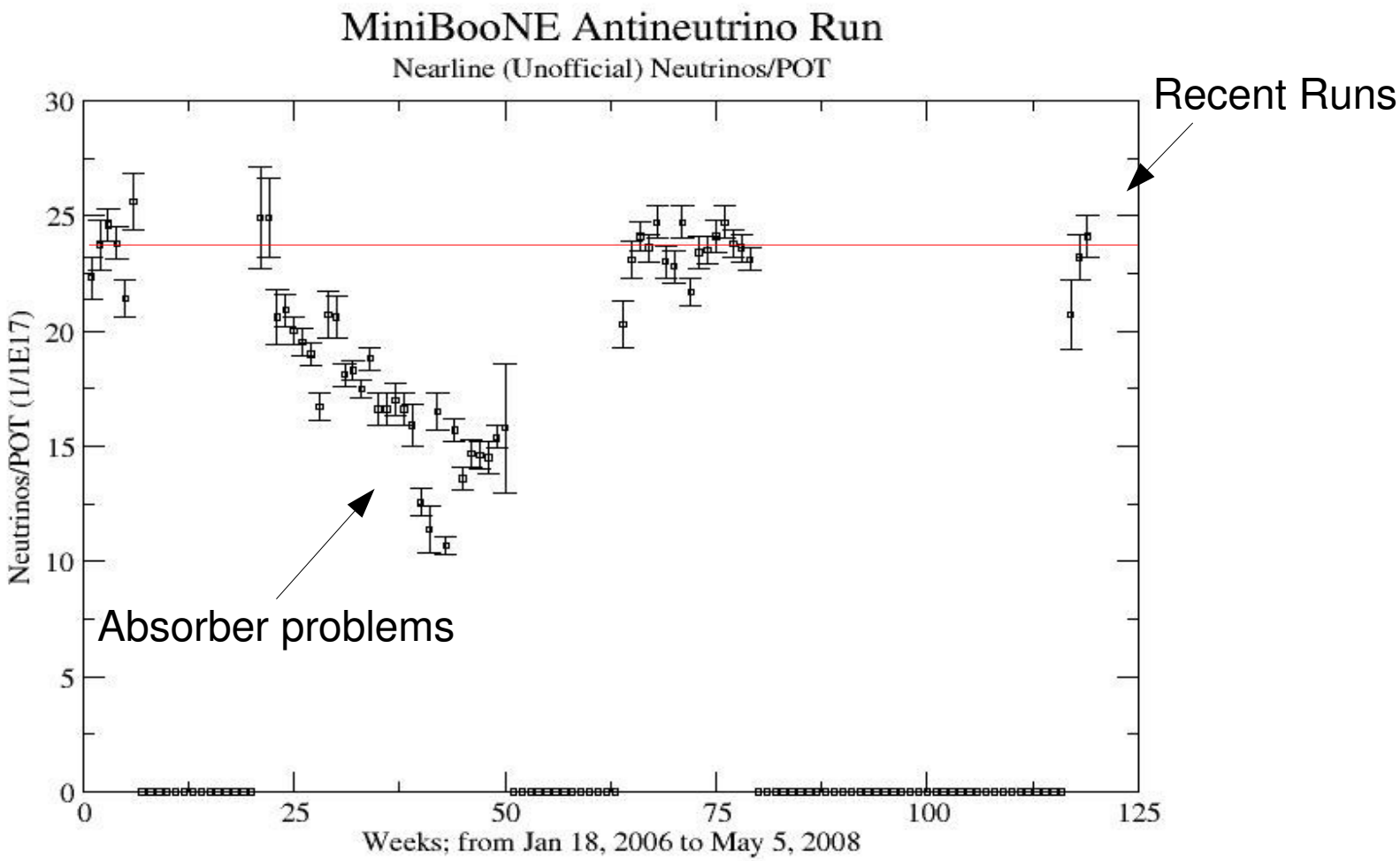
POT/week

28 April

05 May

Tuned up to 10 turns, 1Hz, ~1.5E16 p/hr, steady running!

AntiNeutrino/POT



This Week's Plan

- Continue stable running.