

# MiniBooNE Report

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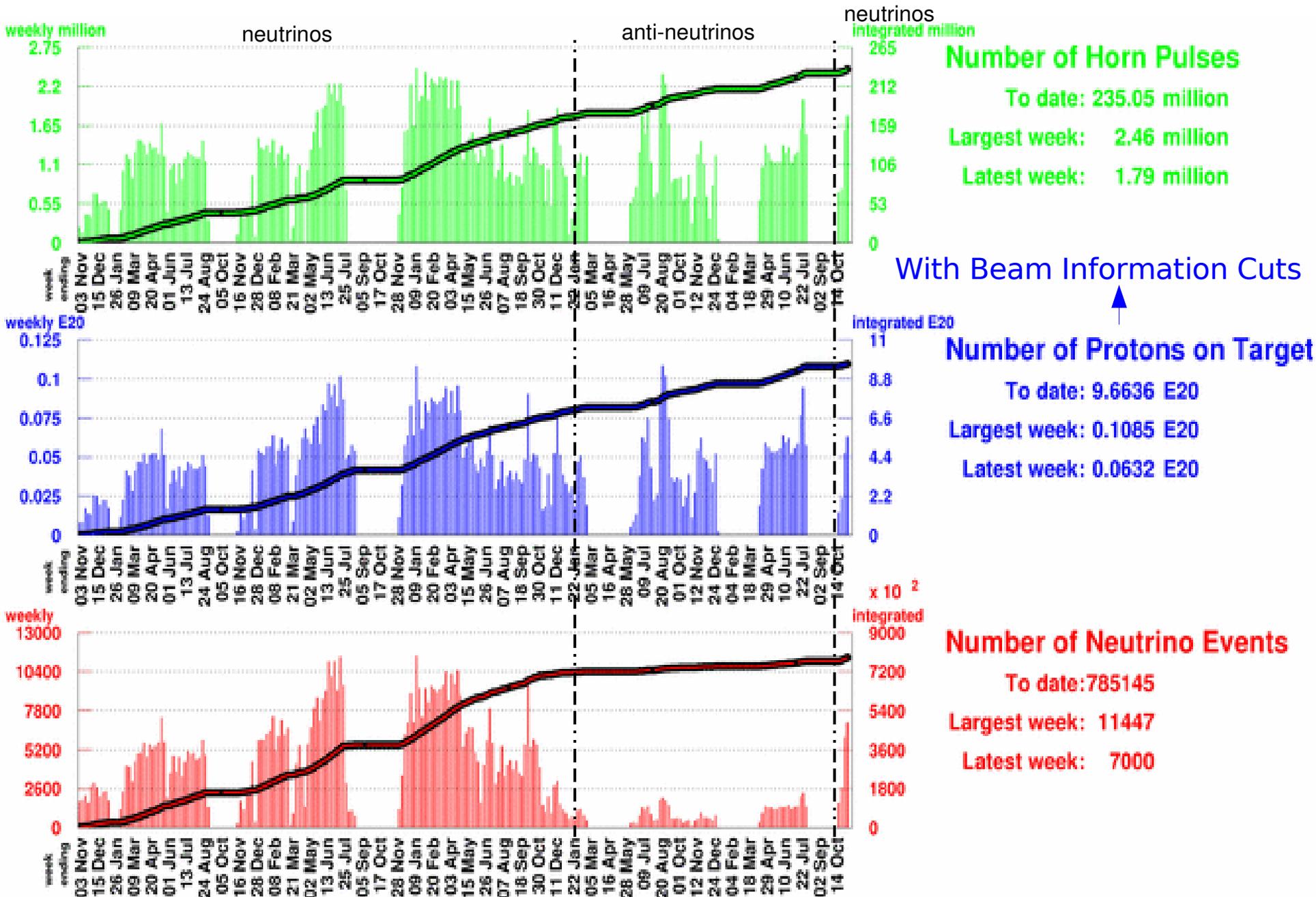
**12 November 2007**

# **Week Summary 05 Nov – 12 Nov**

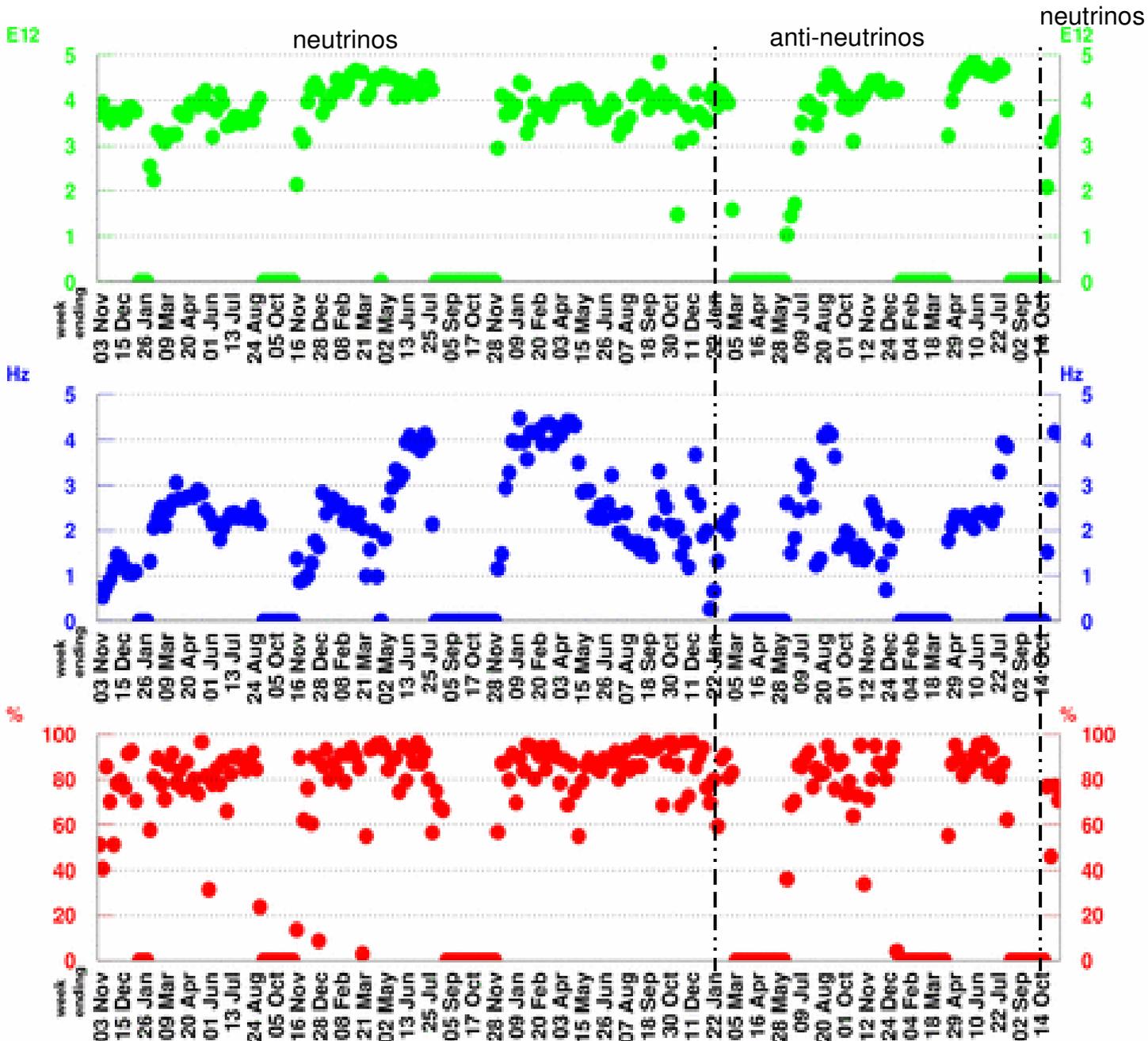
## **6.3E18 POT, 71% Uptime**

- Booster steadily delivering improved beam to MiniBooNE, up to  $\sim 6.0E16$ p/hr over the weekend.
- Detector HVAC problems, but able to continue running with auxiliary unit.
  - Thanks to FESS for resolving problems.
- Major Downtime:
  - 6 hrs, Linac LRF3 LCW leak (Nov 5).
  - 9 hrs, site wide access (Nov 6).
  - 4 hrs, detector crate 2 repairs (Nov 8).
  - 14 hrs, Linac/Booster LCW and RF problems (Nov 9).

# 05 Nov - 12 Nov



# 05 Nov - 12 Nov



POT per Horn Pulse

Largest week: 4.89 E12

Latest week: 3.53 E12

Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

Latest week: 4.13 Hz

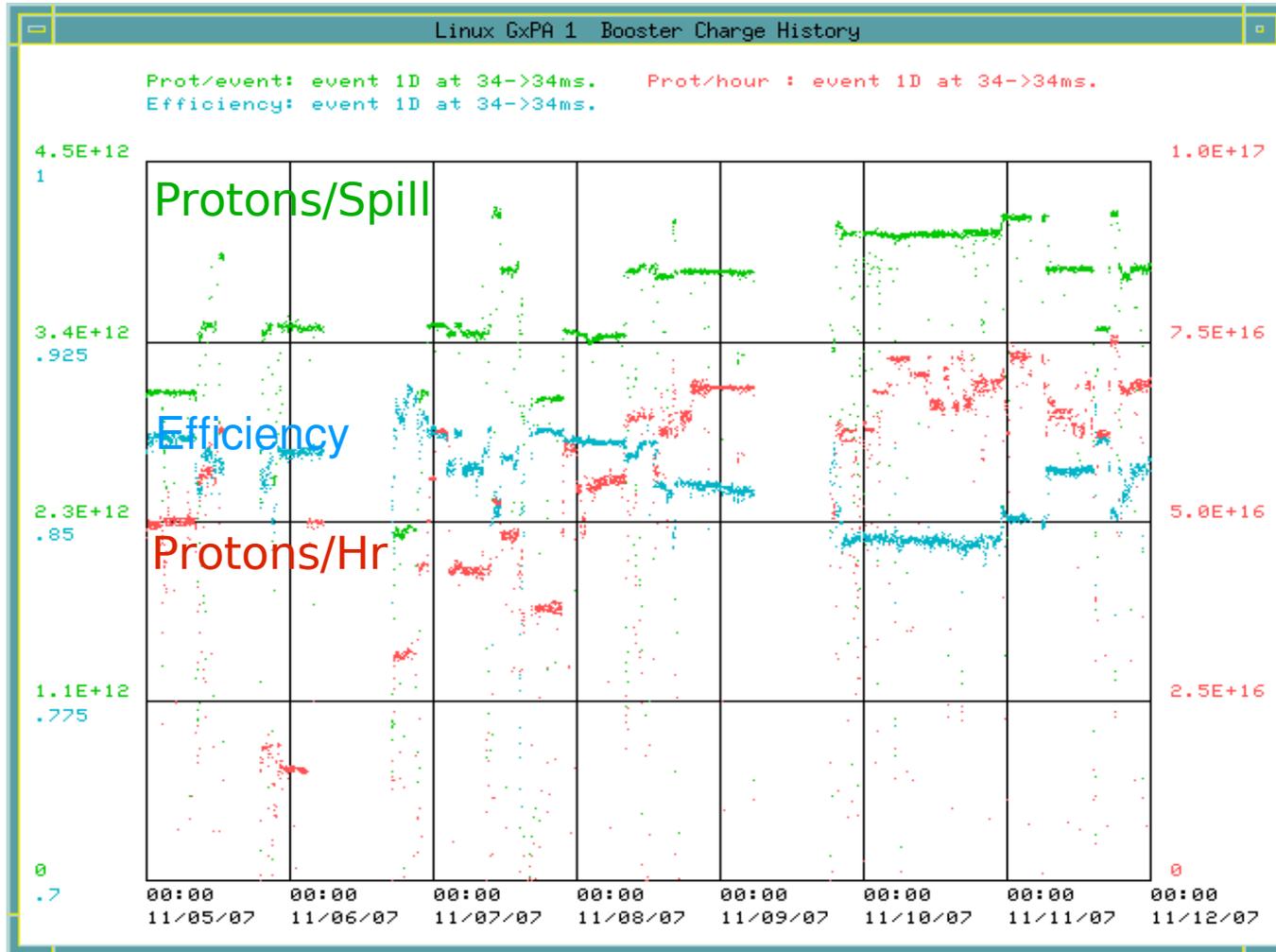
Beam Uptime Fraction

(fraction of time with beam)

Largest week: 97.4 %

Latest week: 70.9 %

# One Week MB Proton/Hr Summary



Decent running at 9 turns, steady improvement.

# This Week's Plan

- Continue neutrino running, take advantage of NuMI off and improved Booster output.
- Granted approval for continued running to collect a further  $\sim 3E20$  POT in anti-neutrinos, for a total of  $\sim 5E20$  POT in anti-neutrino mode.
- This will allow a robust test with anti-neutrinos of the LSND two neutrino oscillation signal.

