MiniBooNE Report

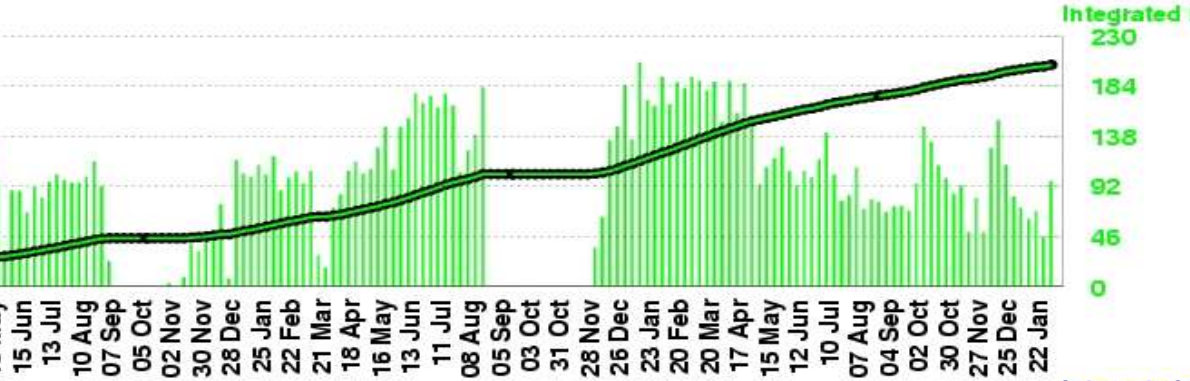
Richard Van de Water
Los Alamos National Lab
for the MiniBooNE collaboration

06 February 2006

Weekly Summary 30 Jan - 06 Feb: 4.7E18 POT, 89% Up.

- Jan 19: switched to anti-neutrino running (horn current at -175kA).
- Major down time:
  - 6 hrs: Booster chopper repairs (Jan 30).
  - 1 hr: BRF4 repair (Feb 3).
  - 1 hr: BRF5 repair (Feb 4).
- Testing of the UT multiwire (Feb 1).

30 Jan – 06 Feb

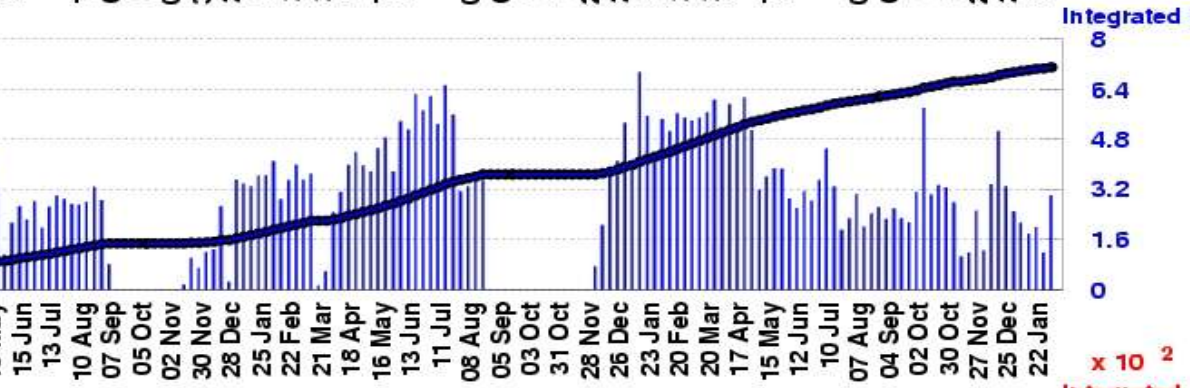


Number of Horn Pulses

To date: 171.93 million

Largest week: 2.82 million

Latest week: 1.33 million

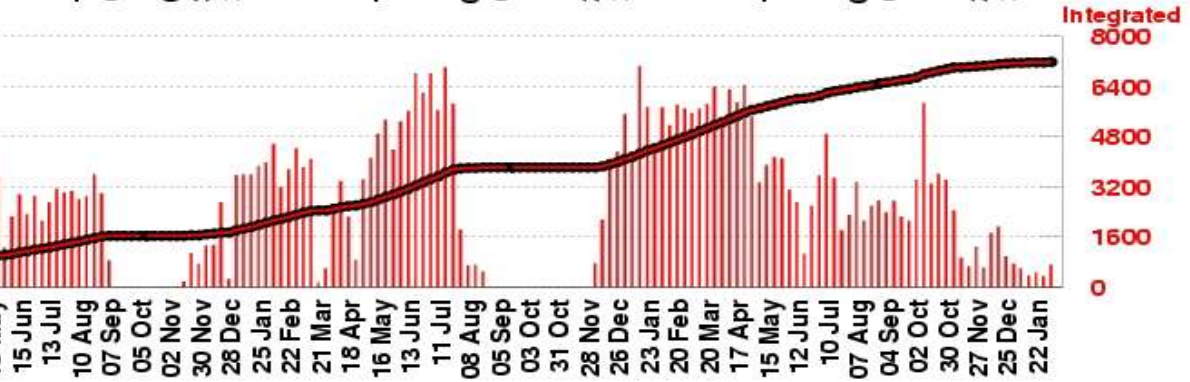


Number of Protons on Target

To date: 7.0962 E20

Largest week: 0.1084 E20

Latest week: 0.0468 E20



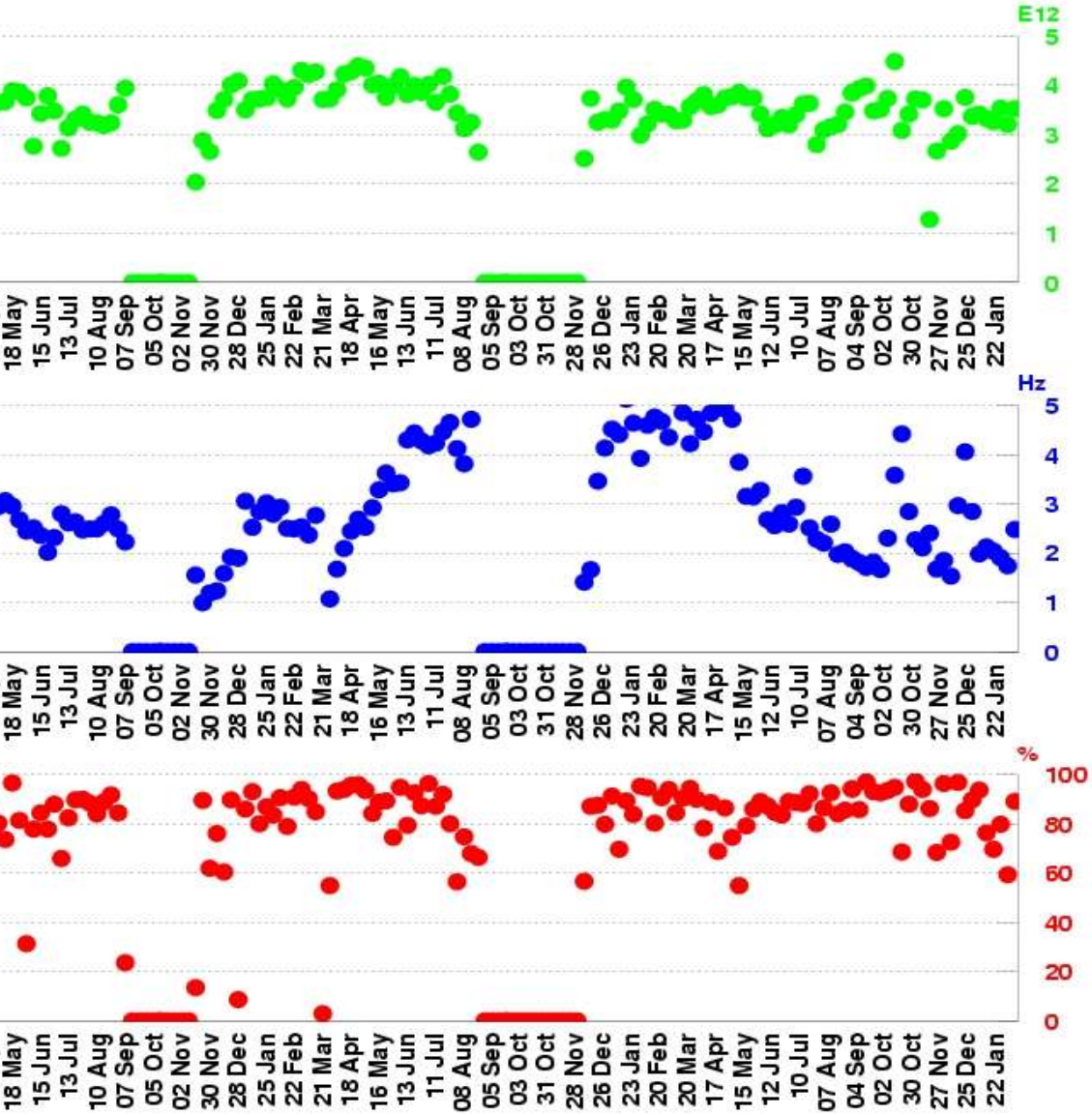
Number of Neutrino Events

To date: 718168

Largest week: 11447

Latest week: 1132

30 Jan – 06 Feb



POT per Horn Pulse

Largest week: 4.85 E12

Latest week: 3.53 E12

Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

Latest week: 2.48 Hz

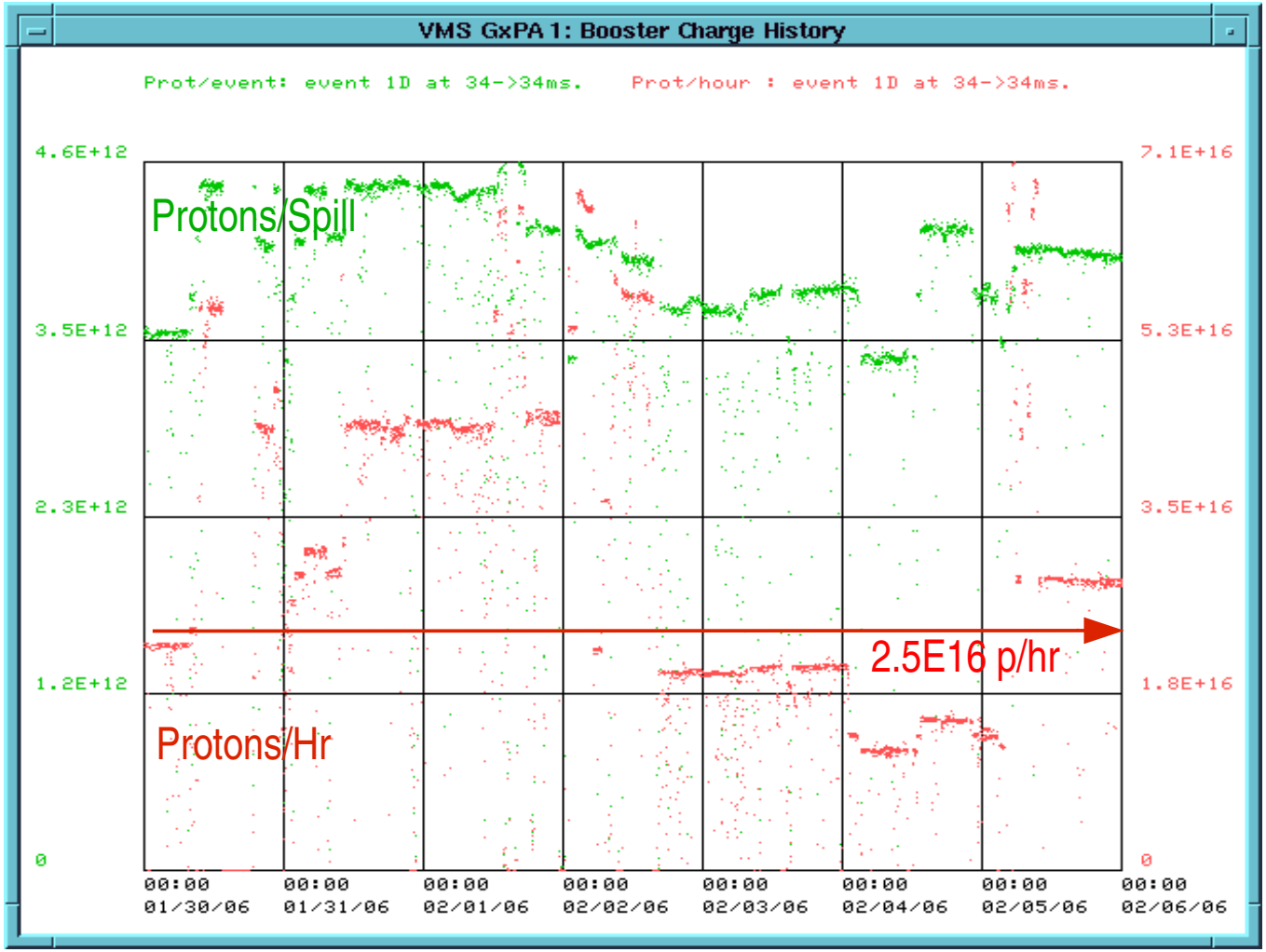
Beam Uptime Fraction

(fraction of time with beam)

Largest week: 97.4 %

Latest week: 89.1 %

One Week Proton/Hr Summary



30 Jan

06 Feb

Anti-neutrino run mode.

Summary, Plan of the Week

- Continue smooth running in anti-neutrino mode to the shutdown.
- Preparing for shutdown work:
  - spare horn testing and beamline maintenance.
  - detector electronics repairs (~1 week).
  - detector daq upgrades (~1 week).