MiniBooNE Report

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for the MiniBooNE collaboration

04 August 2008

Week Summary 21 July – 28 July

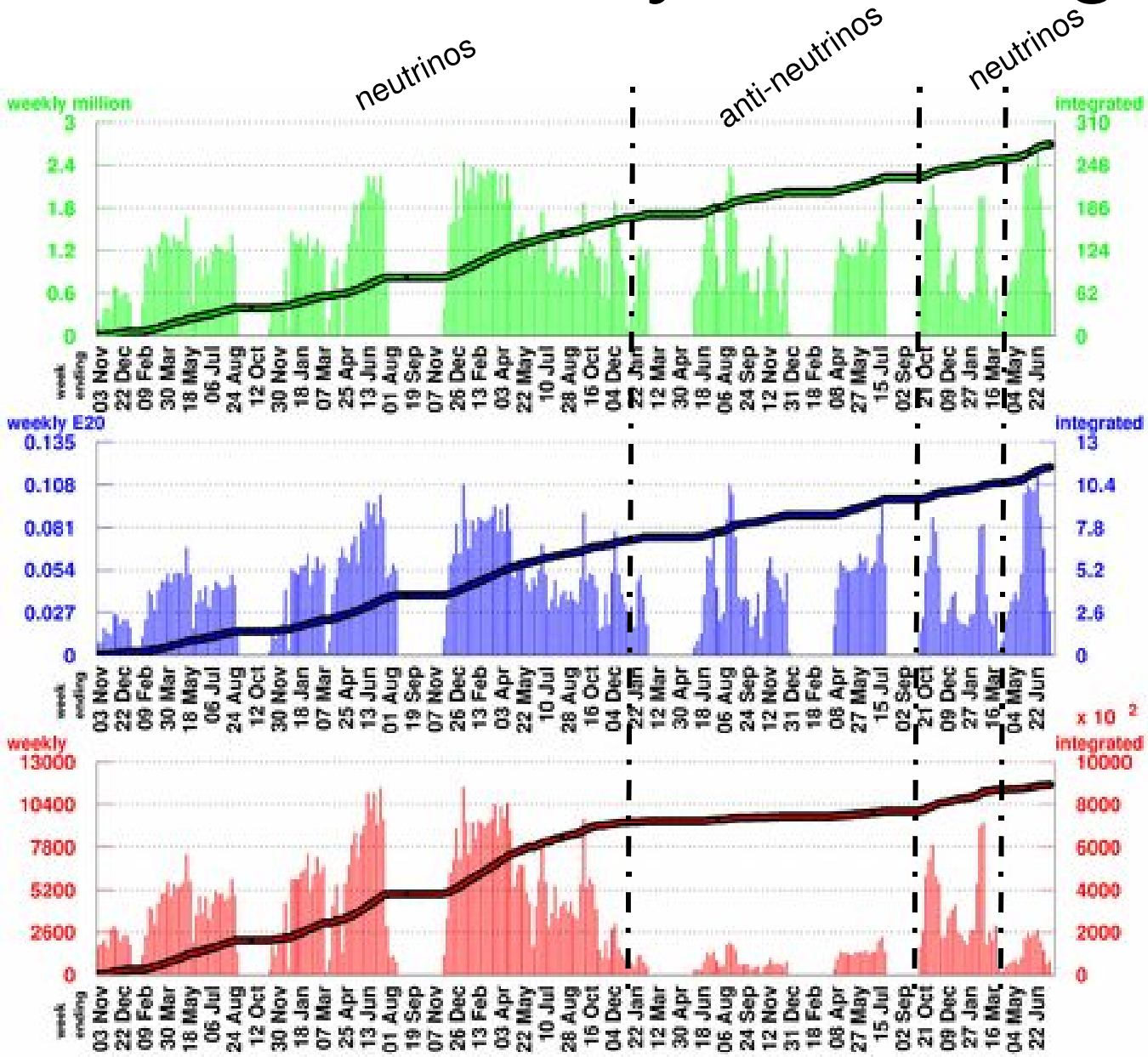
3.3E18 POT, 85.6% Uptime

Week Summary 28 July – 04 Aug

(*2.7E18 POT, 52.9% Uptime)*

- Major Downtime:
  - 6hrs, Booster/F-sector access (July 21)
  - 2.5hrs, LINAC problems (July 23)
  - 6hrs, MI safety system dropping & LINAC problems (July 24)
  - 1hr, GMPS2 water leak (July 25)
  - 1hr, Booster PA LCW leak (July 28)
  - 16hrs, pbar line transport magnet (July 29-30)
  - 5hrs, MI LCW temperatures high (July 31)
  - 9hrs, various LINAC problems (Aug 1-2)

21 July – 04 August



Number of Horn Pulses

To date: 277.98 million

Largest week: 2.69 million

Latest week: 0.6 million

Number of Protons on Target

To date:11.4689 E20

Largest week: 0.1198 E20

Latest week: 0.027 E20

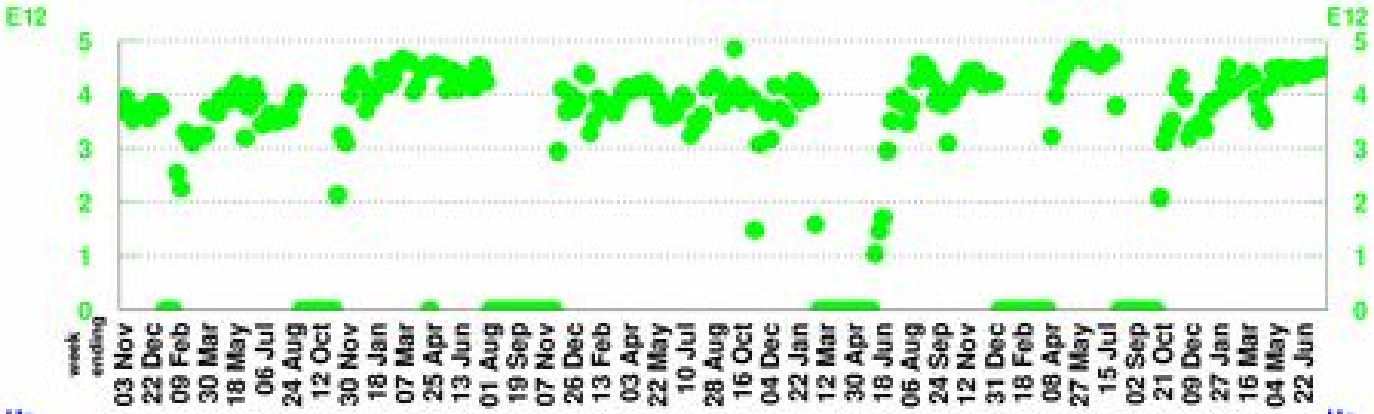
Number of Neutrino Events

To date:891180

Largest week: 11447

Latest week: 835

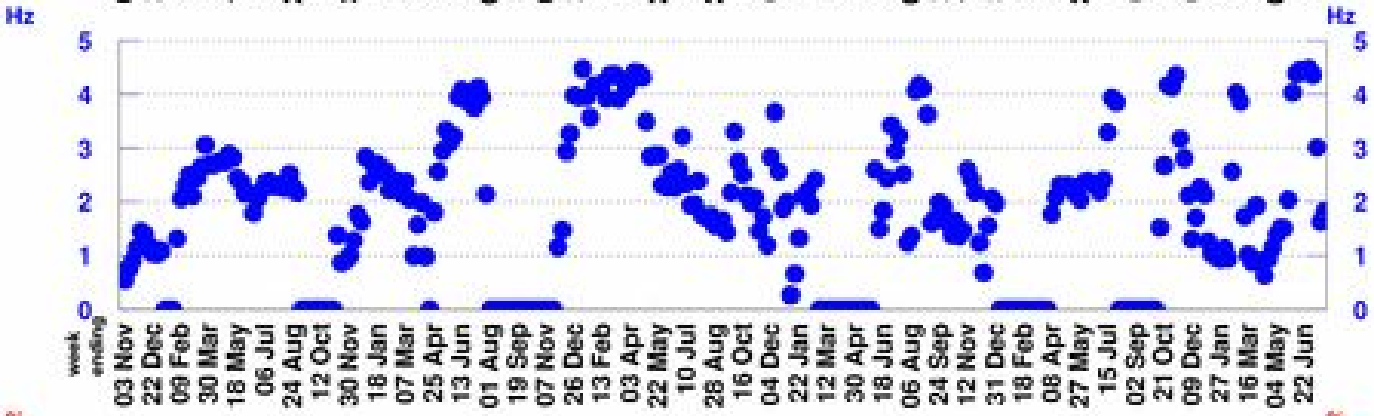
21 July – 04 August



POT per Horn Pulse

Largest week: 4.89 E12

Latest week: 4.52 E12

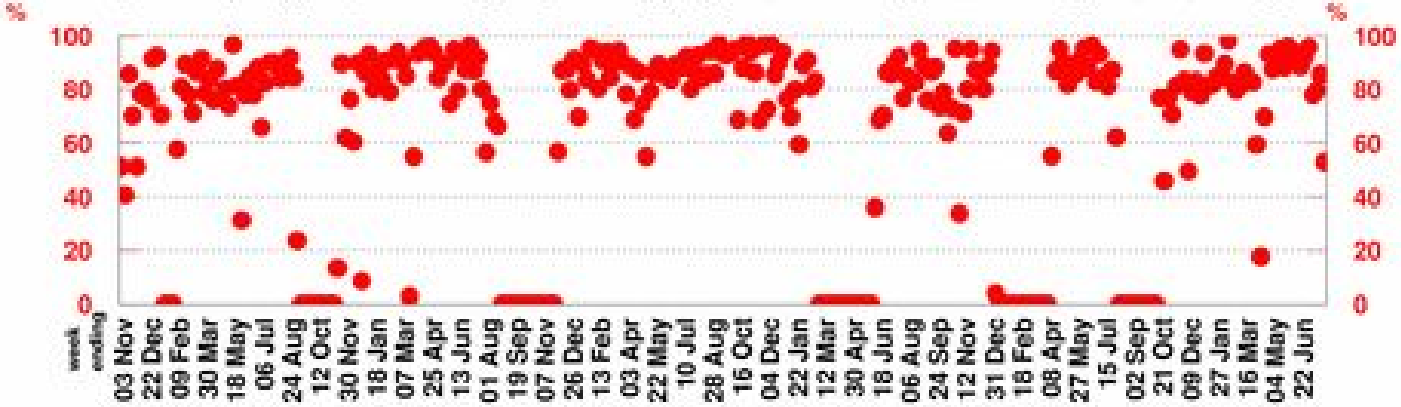


Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

Latest week: 1.82 Hz



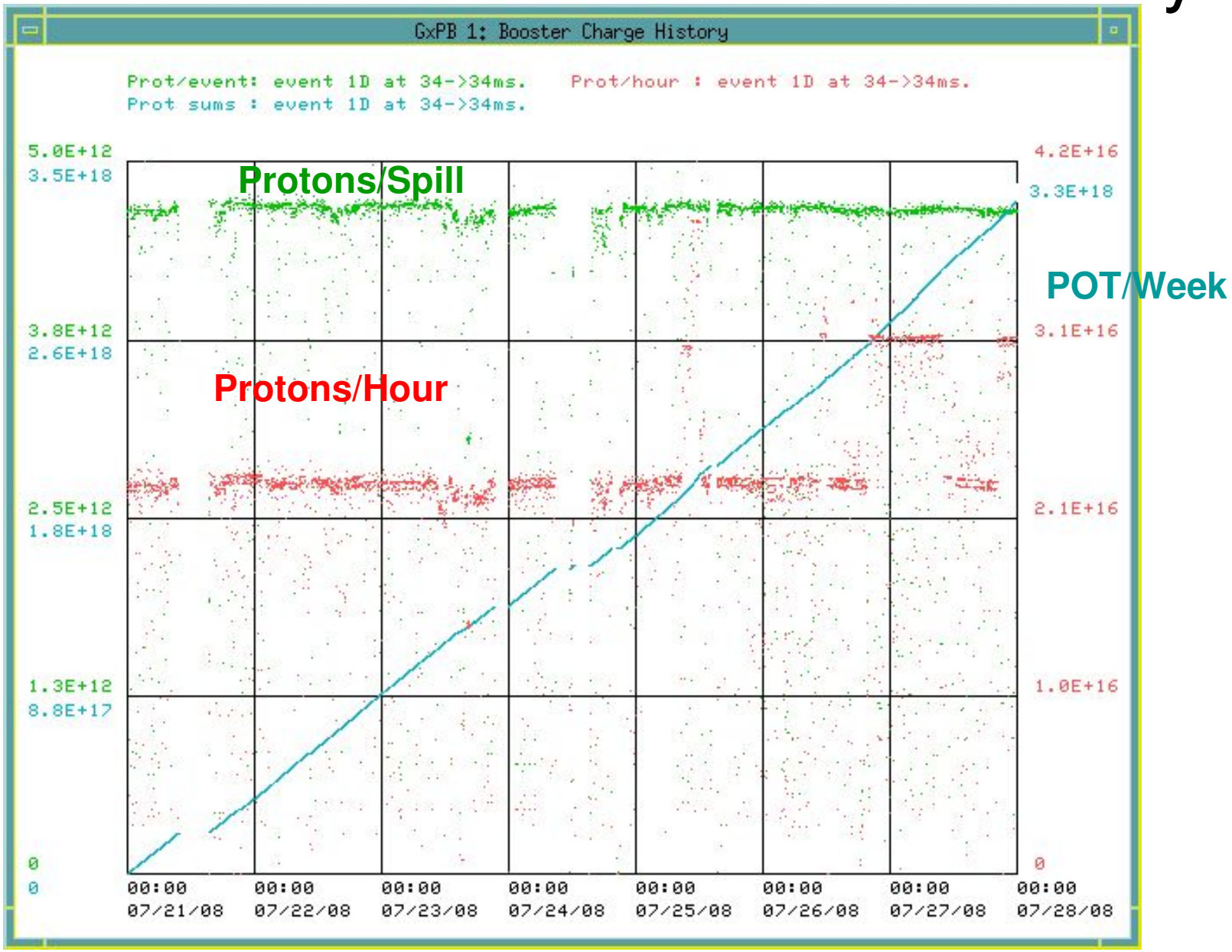
Beam Uptime Fraction

(fraction of time with beam)

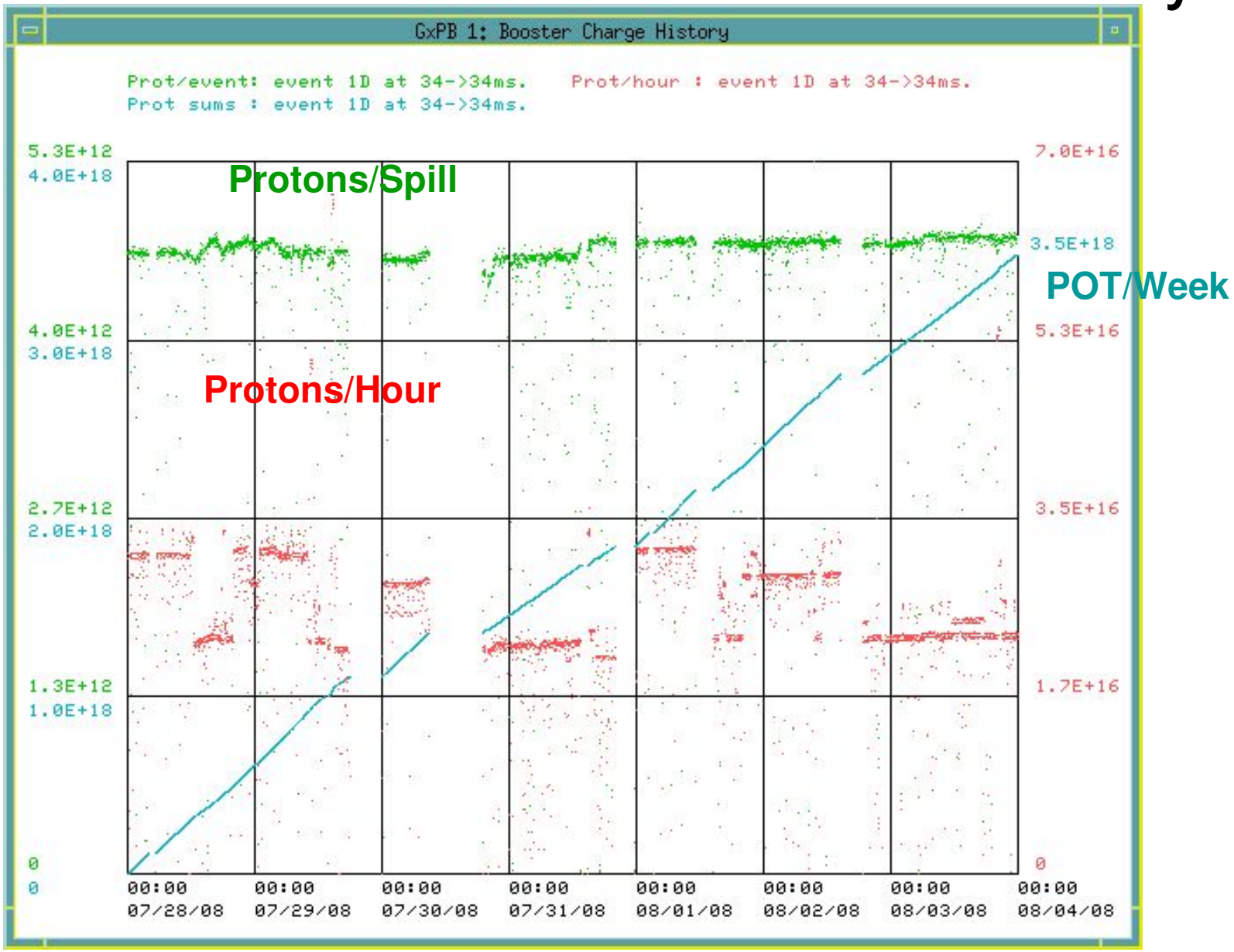
Largest week: 98.1 %

Latest week: 52.9 %

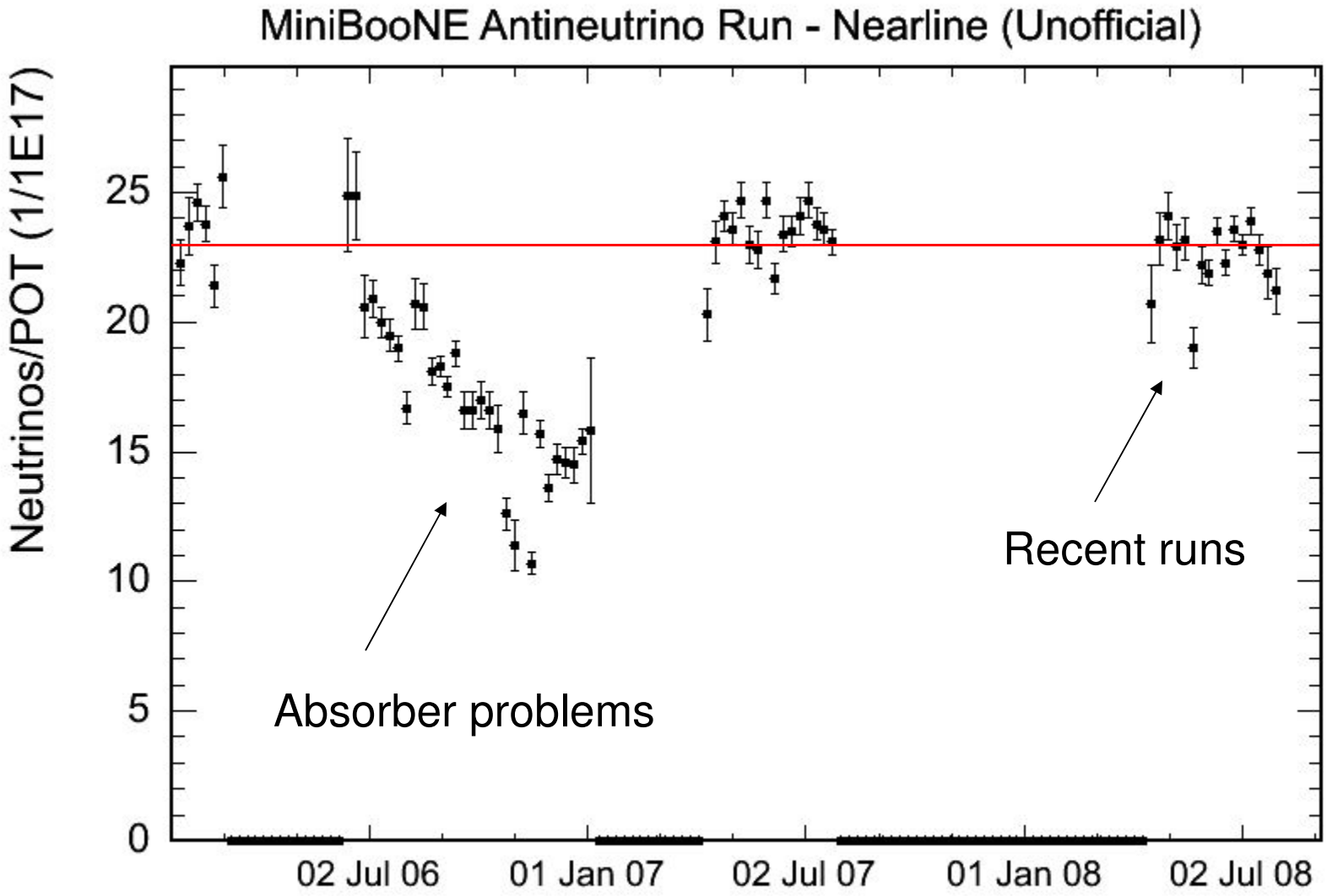
07/21-07/28 MB Proton/Hr Summary



07/28-08/04 MB Proton/Hr Summary



AntiNeutrino/POT (Unofficial)



This week plan

- Continue stable running