

MiniBooNE Report

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LANL

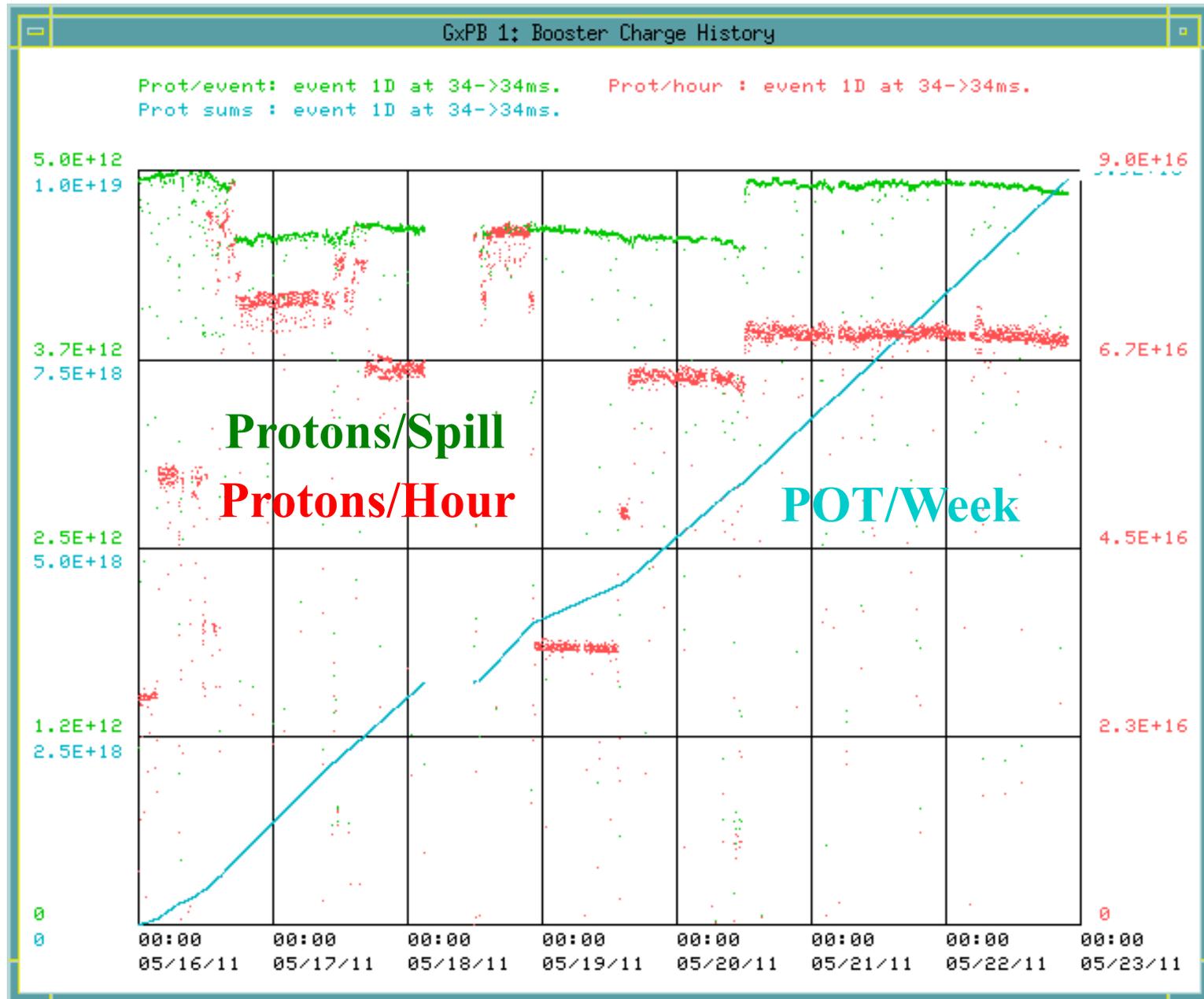
for the MiniBooNE Collaboration

23 May 2011

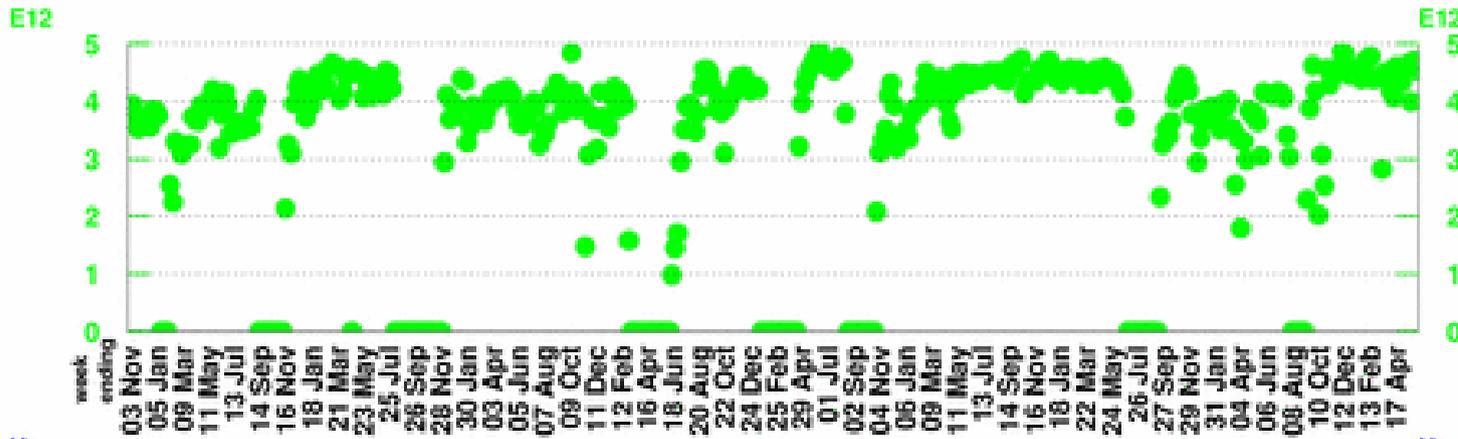
Beam summary 05/16/11 - 05/22/11

- Beam downtime:

- 18 May 7 hrs:
MI-12 access for
elevation and
alignment
measurements
- 22 May 2 hrs:
MI access



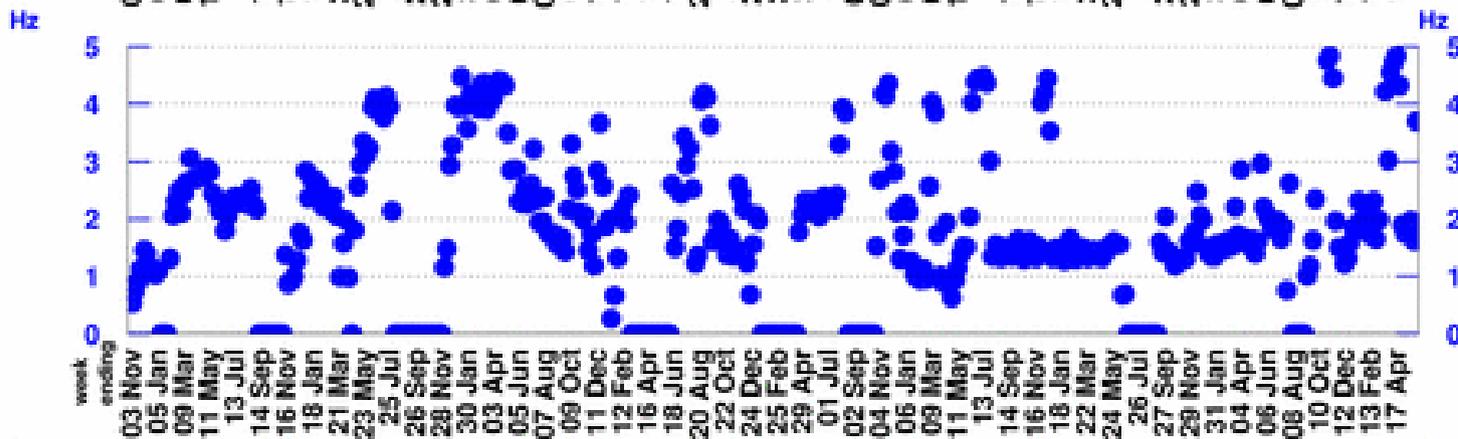
05/16/11 - 05/22/11



POT per Horn Pulse

Largest week: 4.89 E12

Latest week: 4.55 E12

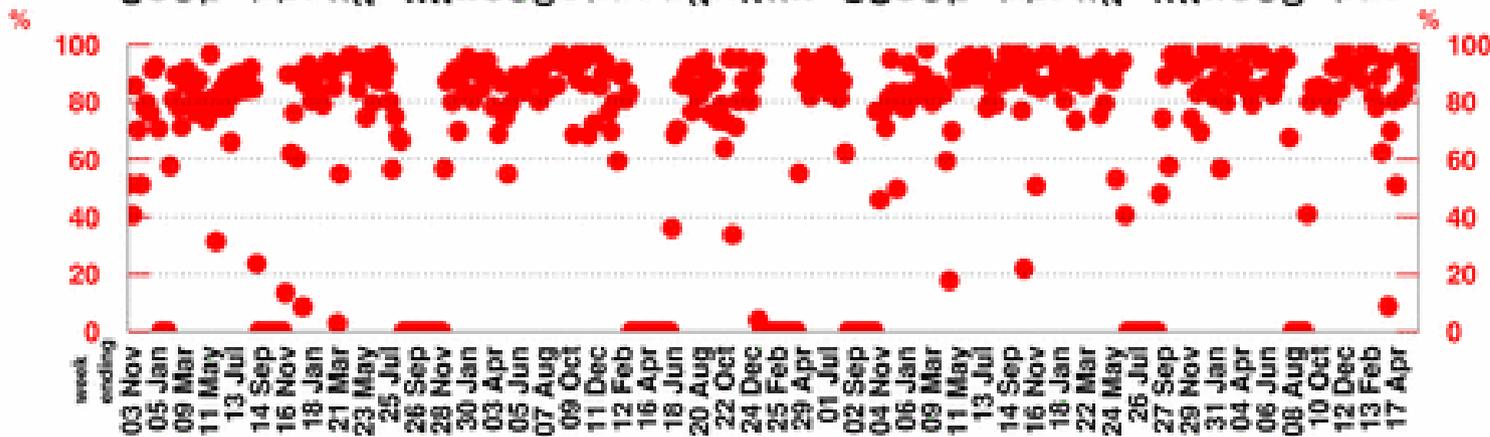


Horn Rate

(for time periods with beam)

Largest week: 10.33 Hz

Latest week: 3.7 Hz



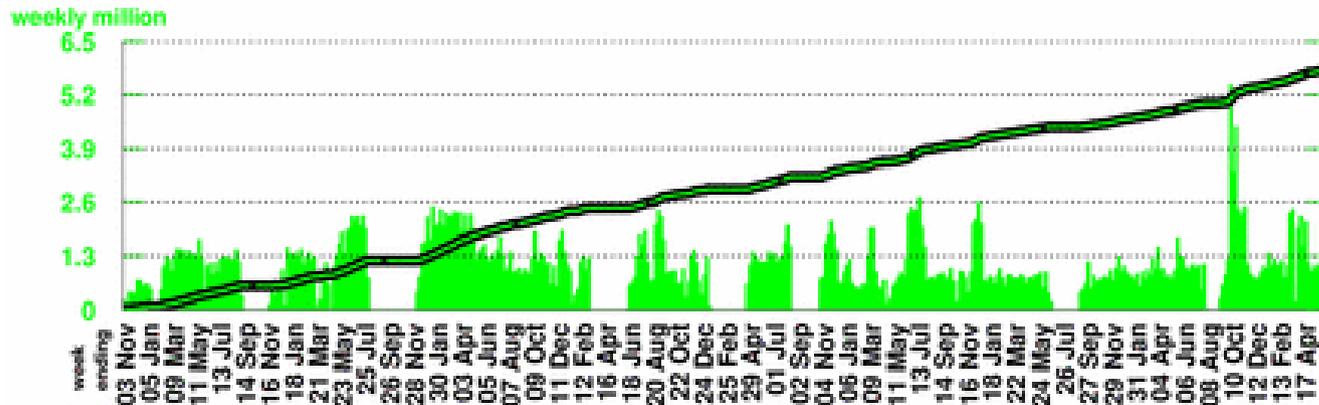
Beam Uptime Fraction

(fraction of time with beam)

Largest week: 98.9 %

Latest week: 92.5 %

05/16/11 - 05/22/11



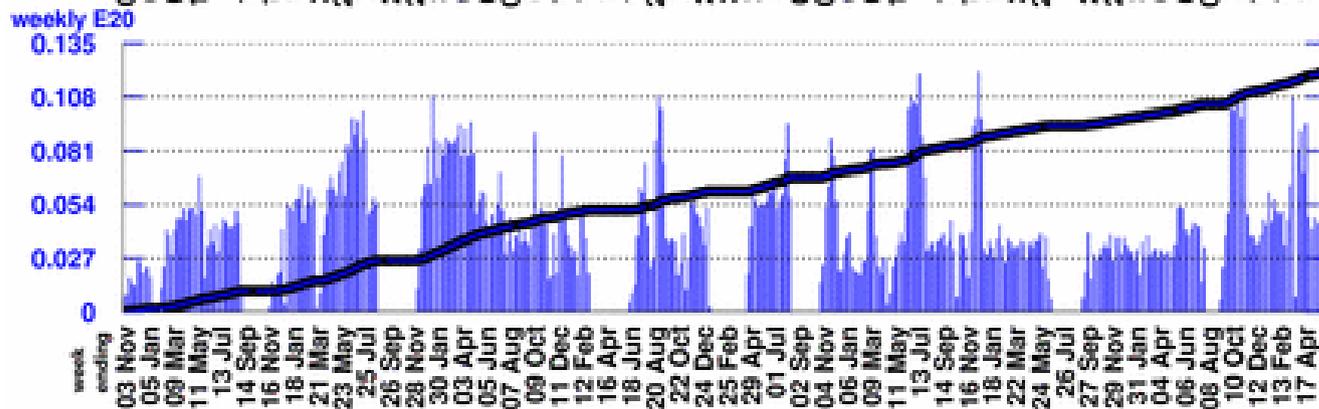
integrated million

Number of Horn Pulses

To date: 416.4 million

Largest week: 5.41 million

Latest week: 2.03 million



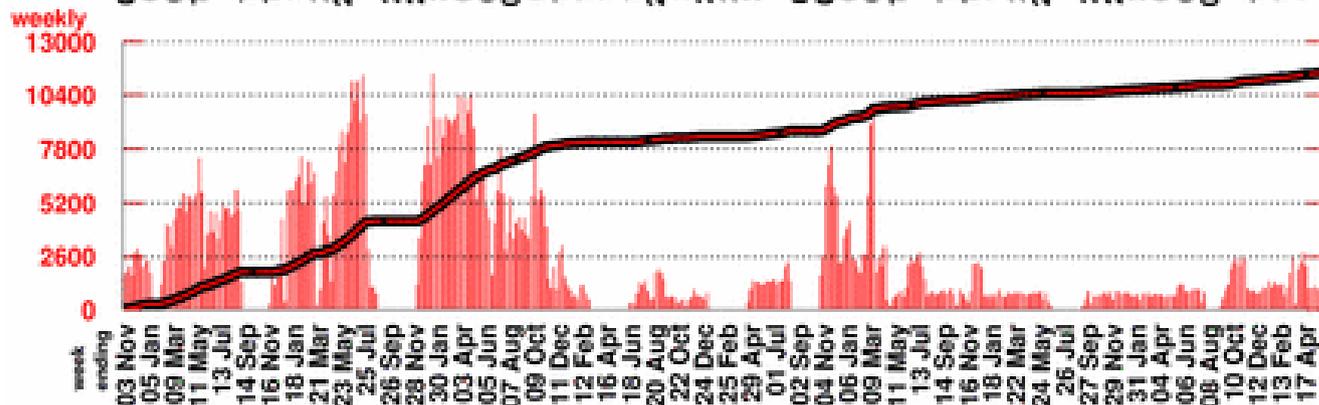
integrated E20

Number of Protons on Target

To date: 16.9982 E20

Largest week: 0.1208 E20

Latest week: 0.0921 E20



integrated

Number of Neutrino Events

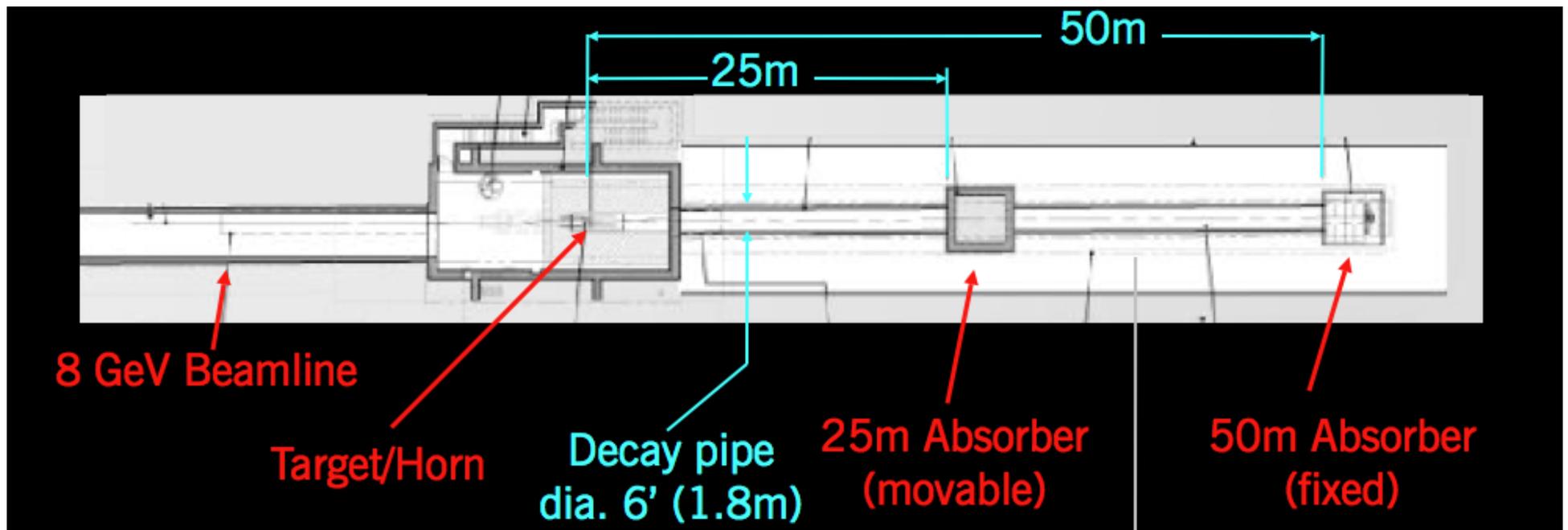
To date: 1018930

Largest week: 11447

Latest week: 2142

Airborne levels in MI-12 service building

- Suspected causes:
 - seasonal temperature changes (observed in previous years)
 - aging of the herculite/duct tape pressure barrier between the decay region and service building
- Short term fix: add auxiliary A/C unit to overpressure the service building
- Longer term fix: properly sized A/C unit to overpressure the service building



AntiNeutrinos/POT unofficial

