MiniBooNE Report

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for the MiniBooNE collaboration

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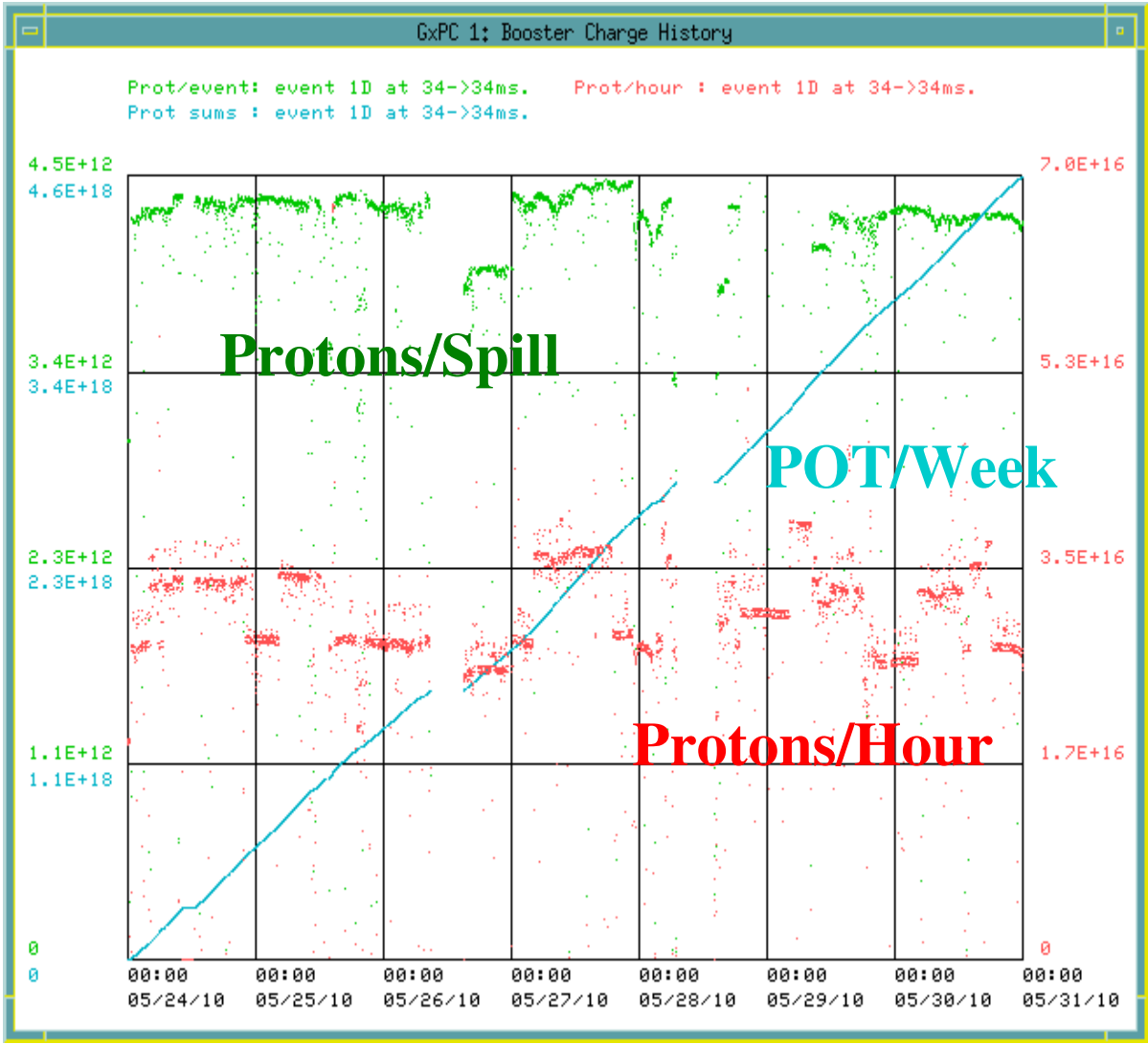
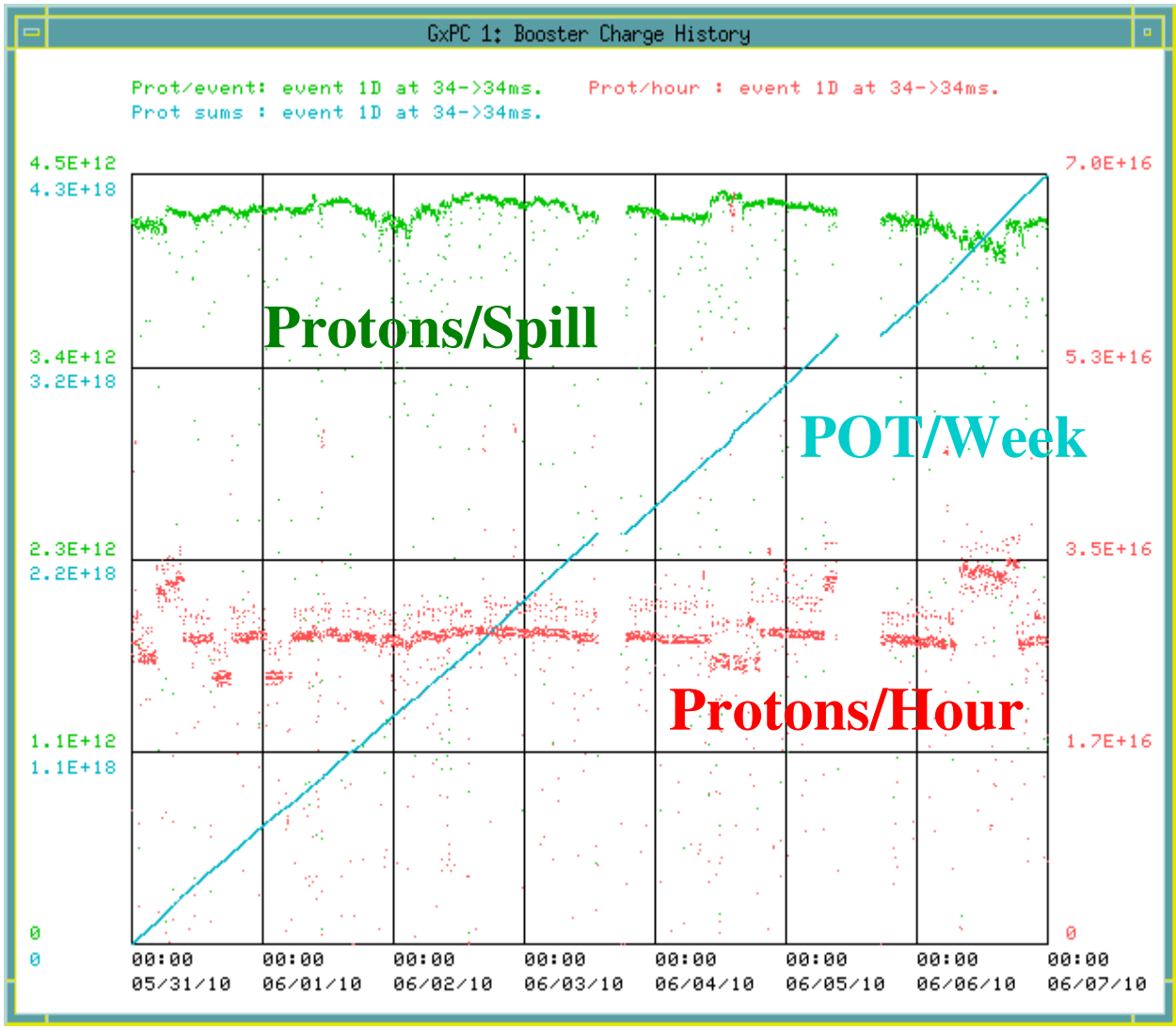
Beam summary 05/24/10 - 05/31/10

- Beam downtime:
  - 2hr, MI12 AC work (05/24)
  - 6hr, MI12 AC work (05/26)
  - 7hr, Booster access (05/28)



Beam summary 05/31/10 - 06/07/10

- Beam downtime:
  - 5hr, Booster access (06/03)
  - 8hr, network issues at MB detector hall (06/05)



Wilson Hall closure

- MiniBooNE is setup to run shifts remotely
- In the past were able to run with power out at WH and MB control room at FNAL
- Before the power outage on Saturday, we tested that turning off all of the computers in MB control room at FNAL does not affect the data taking

Network issues on 06/05

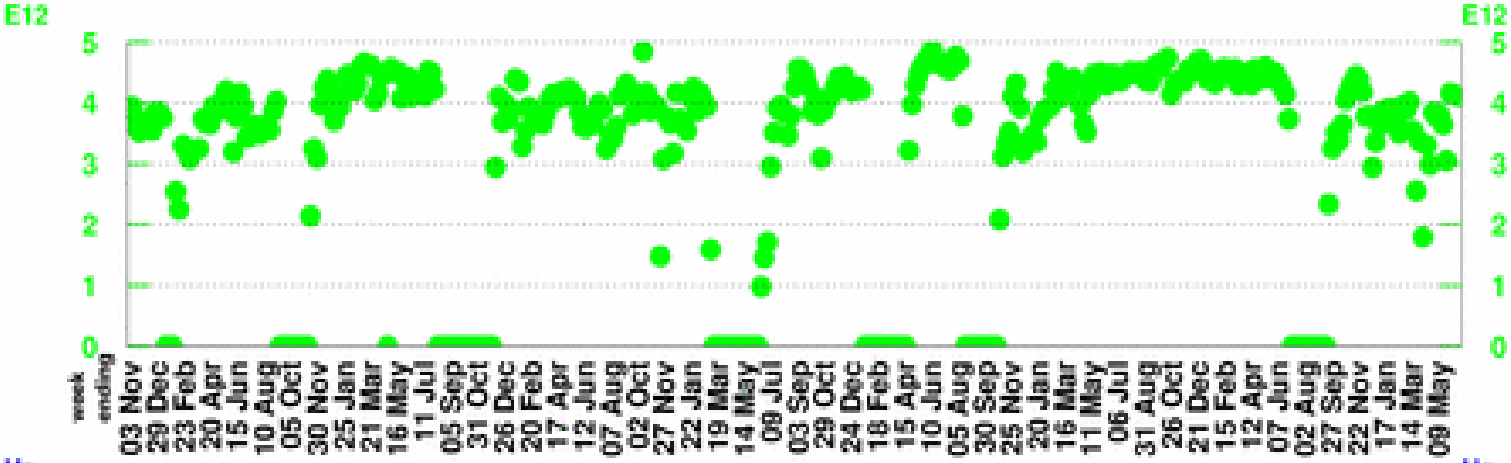
- Computers at detector building experienced network problems with the beginning of the WH closure
- This caused problems with detector monitoring (no problems monitoring beam)
- We checked the detector when problems started and the detector DAQ was running despite problems

Network issues on 06/05

- Detector DAQ worked till the end of run, however in the morning new run initialization failed
- Experts tried starting new run, but weren't able to
- At that point we informed MCR to turn off the beam
- Network restored after power came back to WH
- Thanks to AD for promptly turning the beam on!

- We are working with CD to understand what introduced this dependency and how to remove it

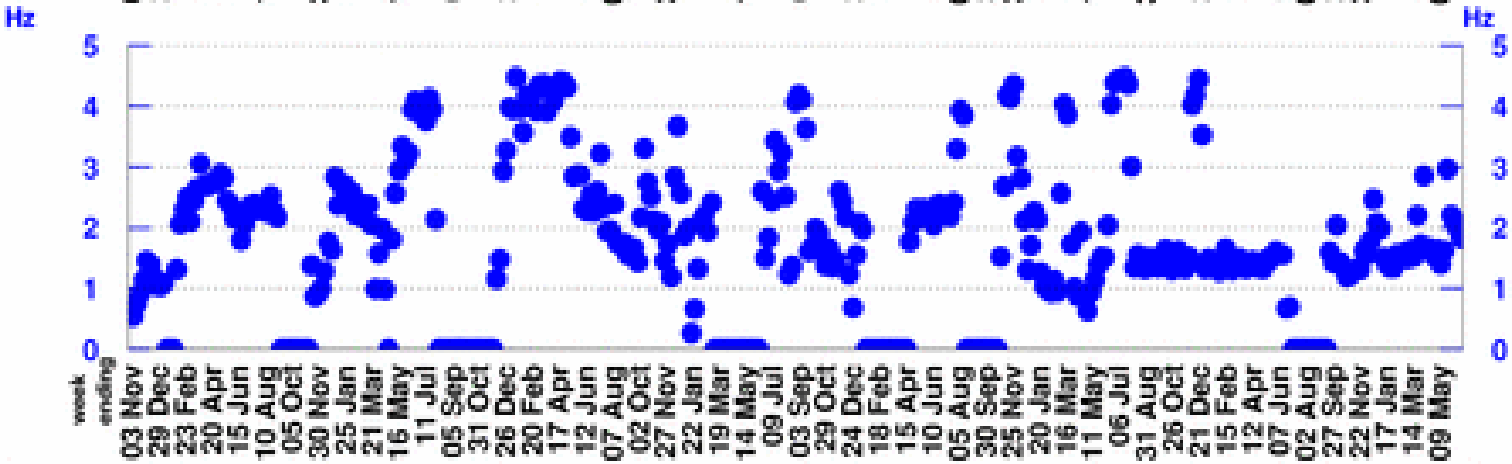
05/24/10 - 06/07/10



POT per Horn Pulse

Largest week: 4.89 E12

Latest week: 4.11 E12

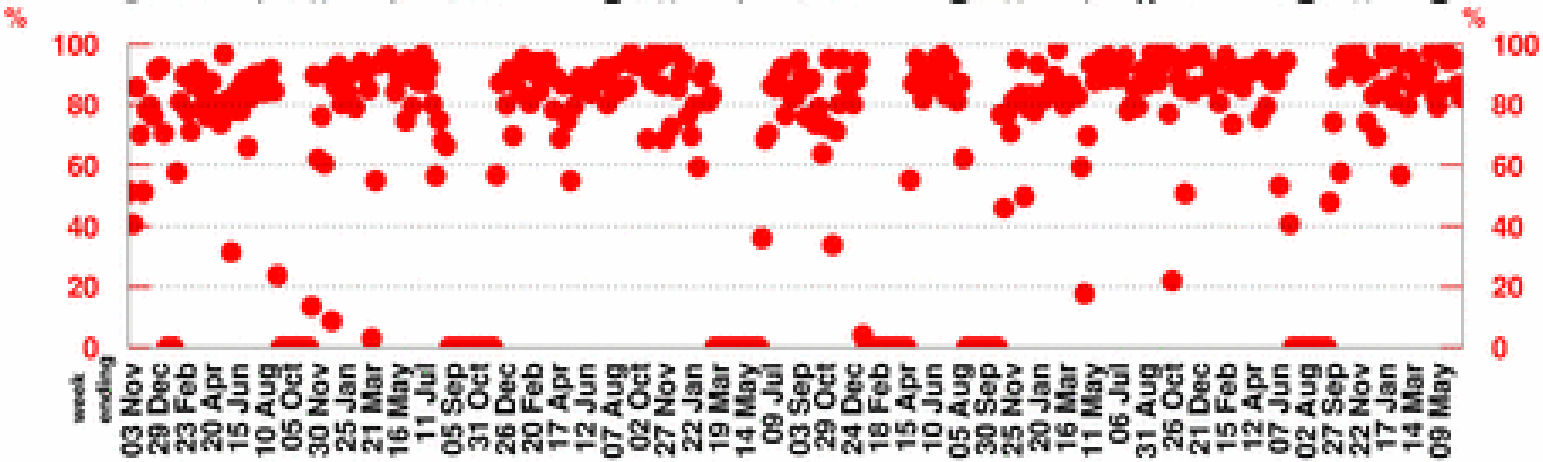


Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

Latest week: 1.83 Hz



Beam Uptime Fraction

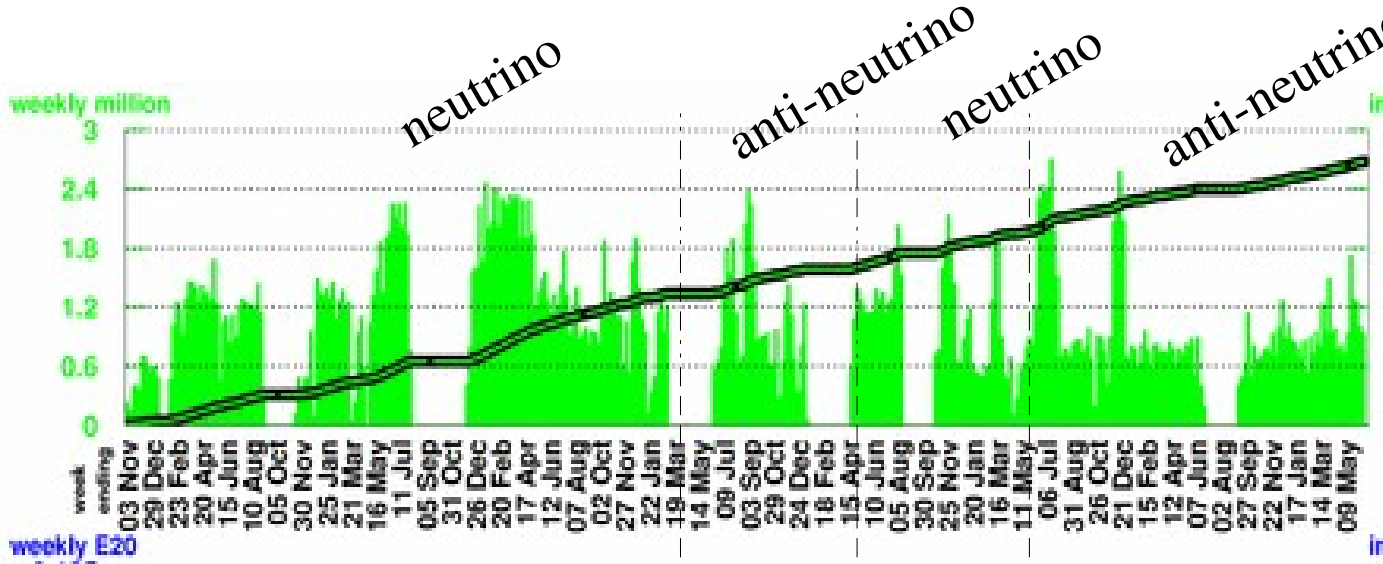
(fraction of time with beam)

Largest week: 98.9 %

Week 1: 86.6%

Week 2: 82.5%

05/24/10 - 06/07/10

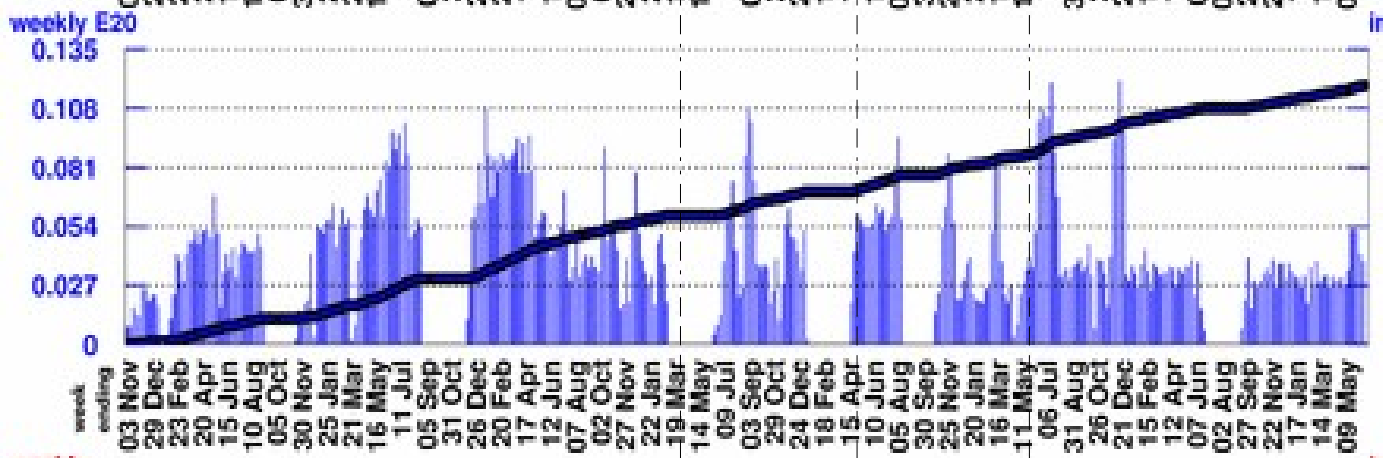


Number of Horn Pulses

To date: 352.36 million

Largest week: 2.69 million

Latest week: 0.93 million



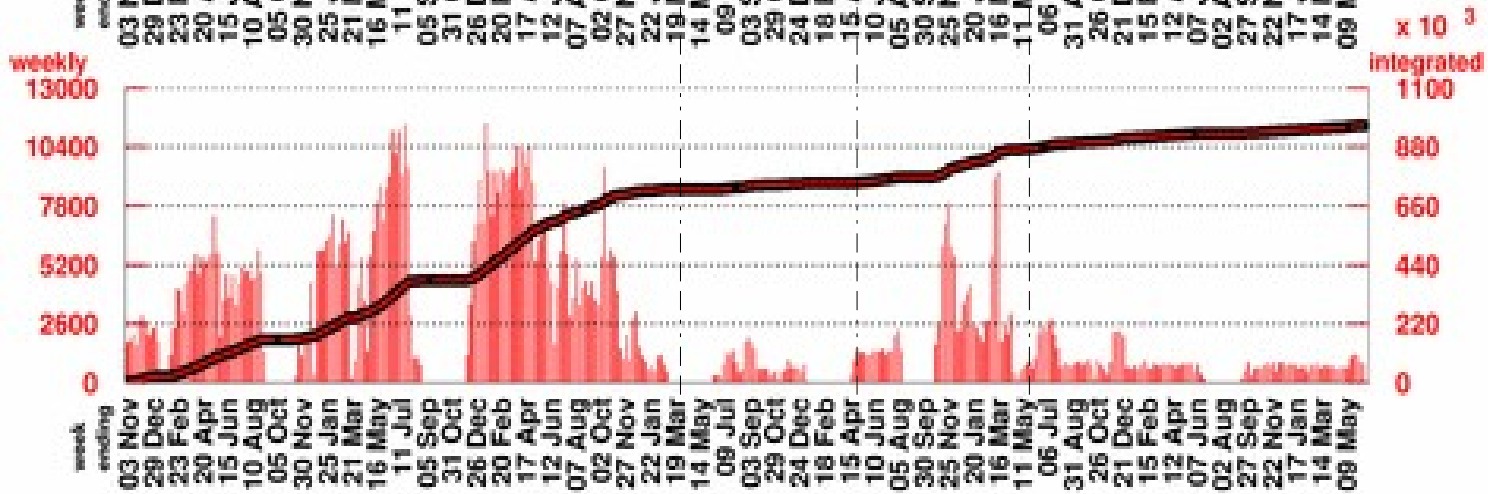
Number of Protons on Target

To date:14.4723 E20

Largest week: 0.1208 E20

Week 1: 0.041E20

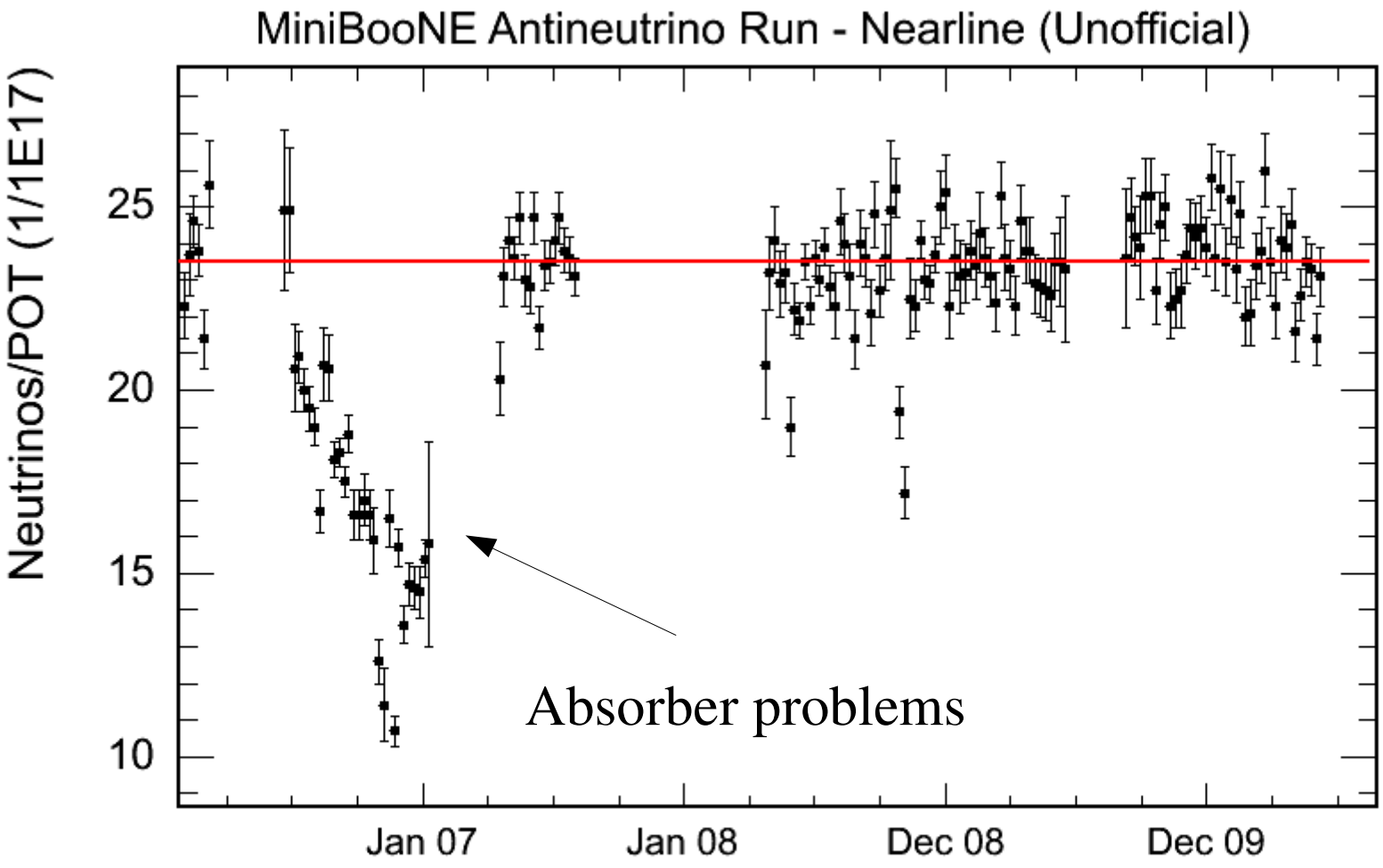
Week 2: 0.038E20



Number of Neutrino Events

To date:959239

Largest week: 11447

Latest week: 828

AntiNeutrinos/POT unofficial