MiniBooNE Beam-Dump Run

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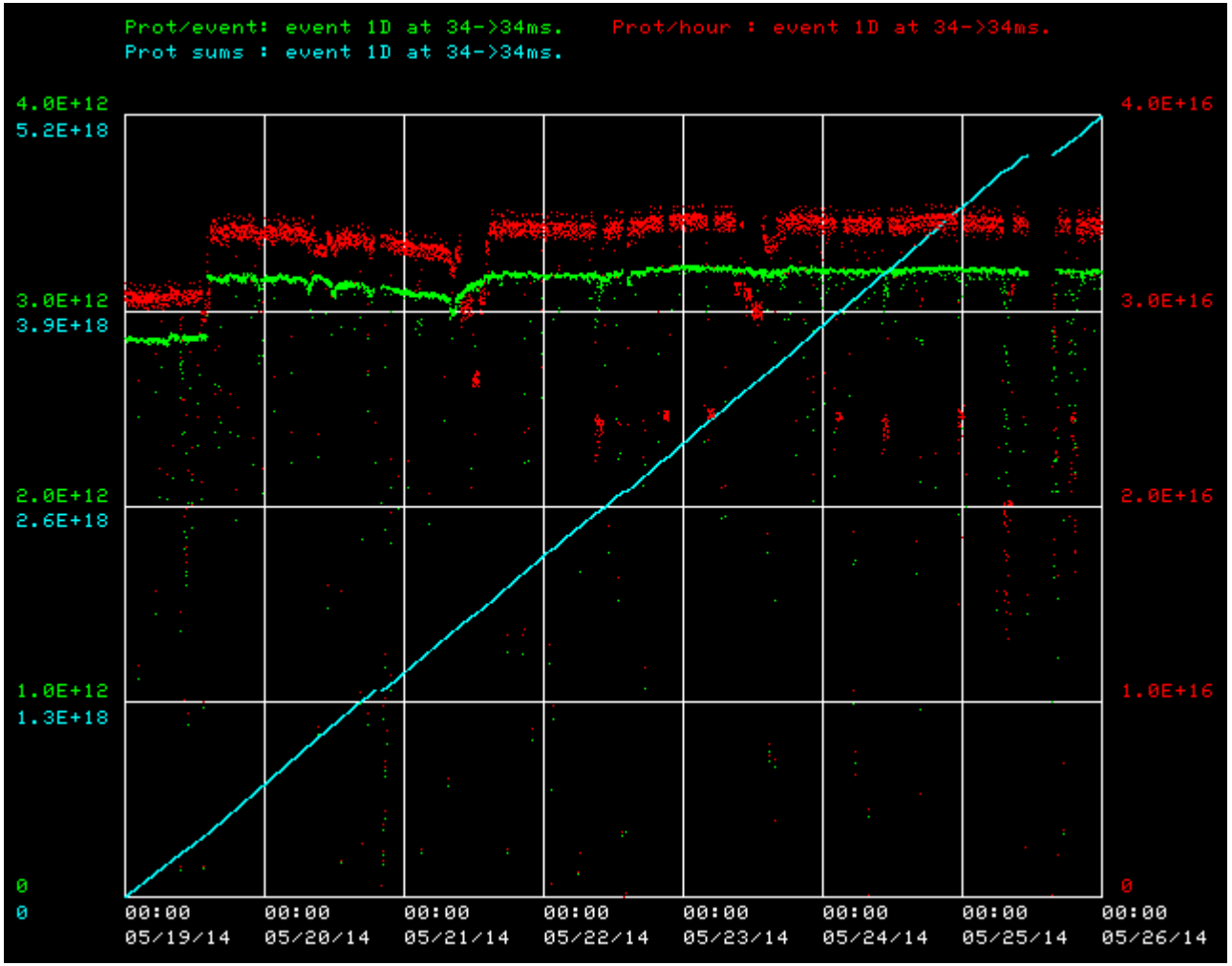
Fermilab

June 2nd 2014

BNB – Week 1

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Summary for Event 1D
From 19-MAY-2014 00:00:00
  to 26-MAY-2014 00:00:00

Percentage up time: 95.9
Total Events:     1755904
Total Protons:    5.20E+18
Average Events/second:        3.03
Average protons/Event:        2.96E+12
Average protons/hour:         3.23E+16
Maximum protons/hour:         3.48E+16  05/22/14
(protons out)/(protons in):   .927
(Joules lost)/(1e12 prot):    12.2

Beam on averages of collected data
Prot/event: event 1D at 34->34ms.  3.09E+12
Prot sums : event 1D at 34->34ms.  2.59E+18
Prot/hour : event 1D at 34->34ms.  3.24E+16
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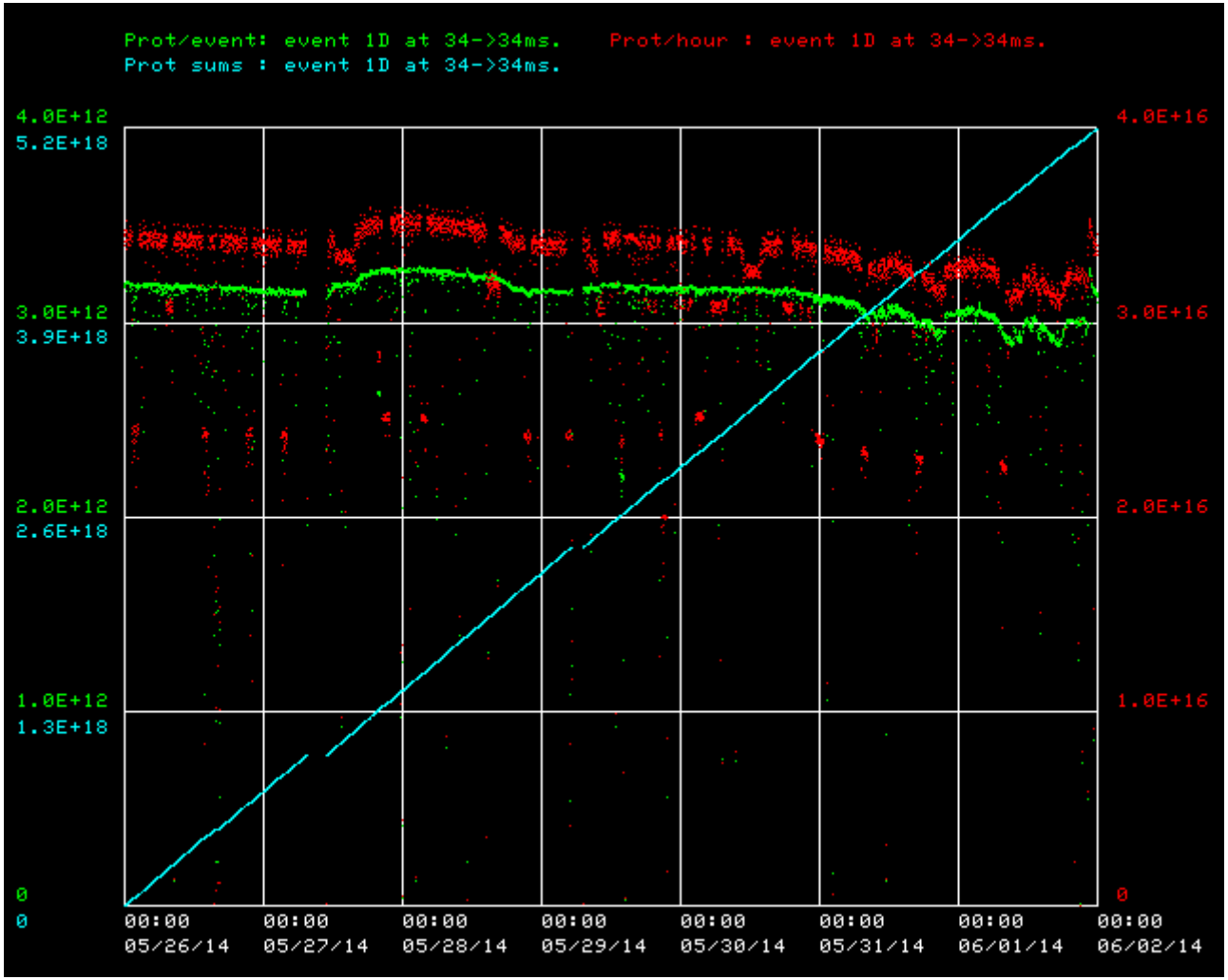
- 4hr on 05/25/14 – linac problems

BNB – Week 2

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Summary for Event 1D
From 26-MAY-2014 00:00:00
  to 02-JUN-2014 00:00:00

Percentage up time: 96.3
Total Events:     1686528
Total Protons:    5.16E+18
Average Events/second:        2.89
Average protons/Event:        3.06E+12
Average protons/hour:         3.19E+16
Maximum protons/hour:         3.53E+16  05/27/14
(protons out)/(protons in):   .929
(Joules lost)/(1e12 prot):    12.1

Beam on averages of collected data
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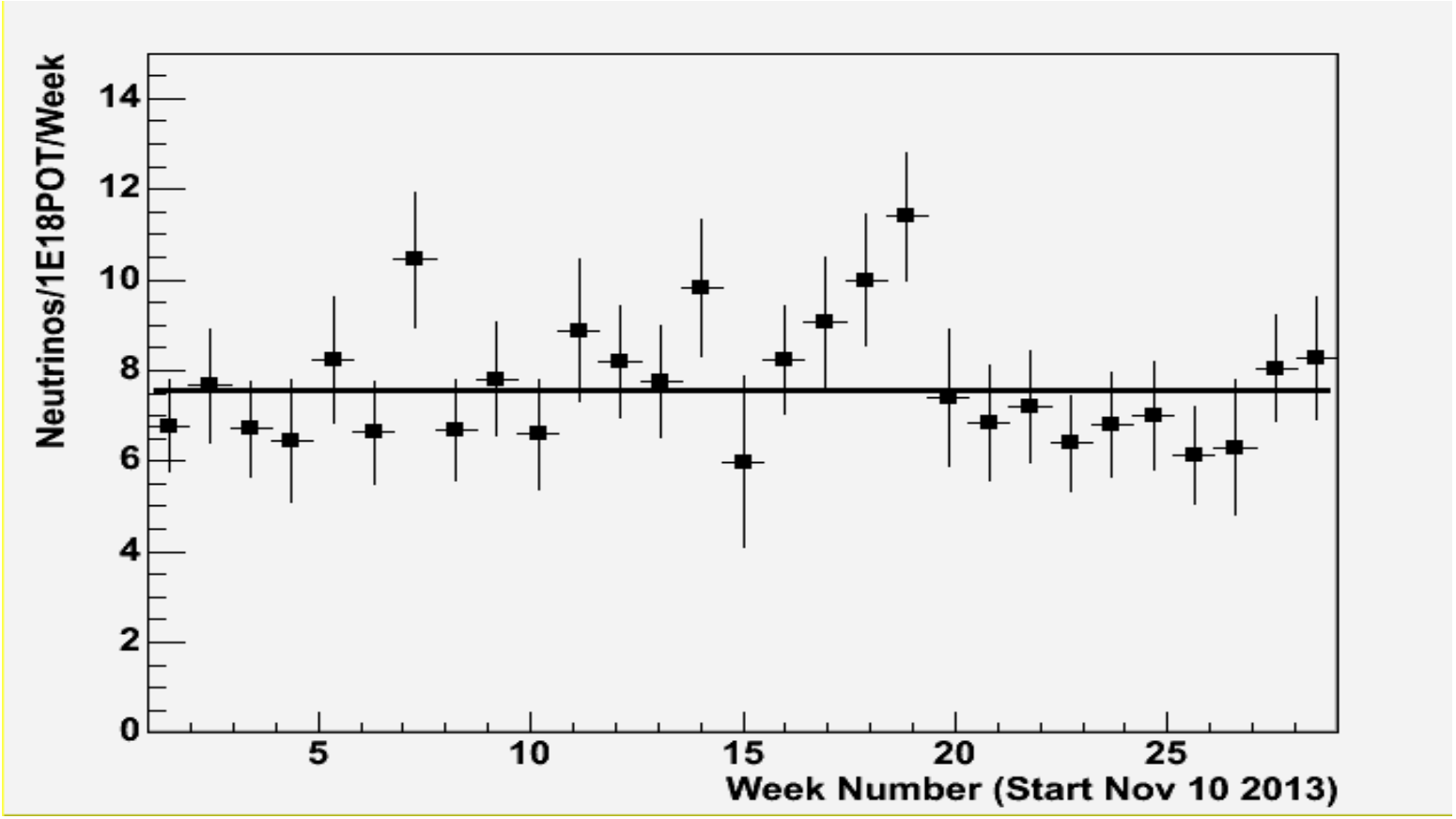
- 3hr on 05/27/14 – linac problems

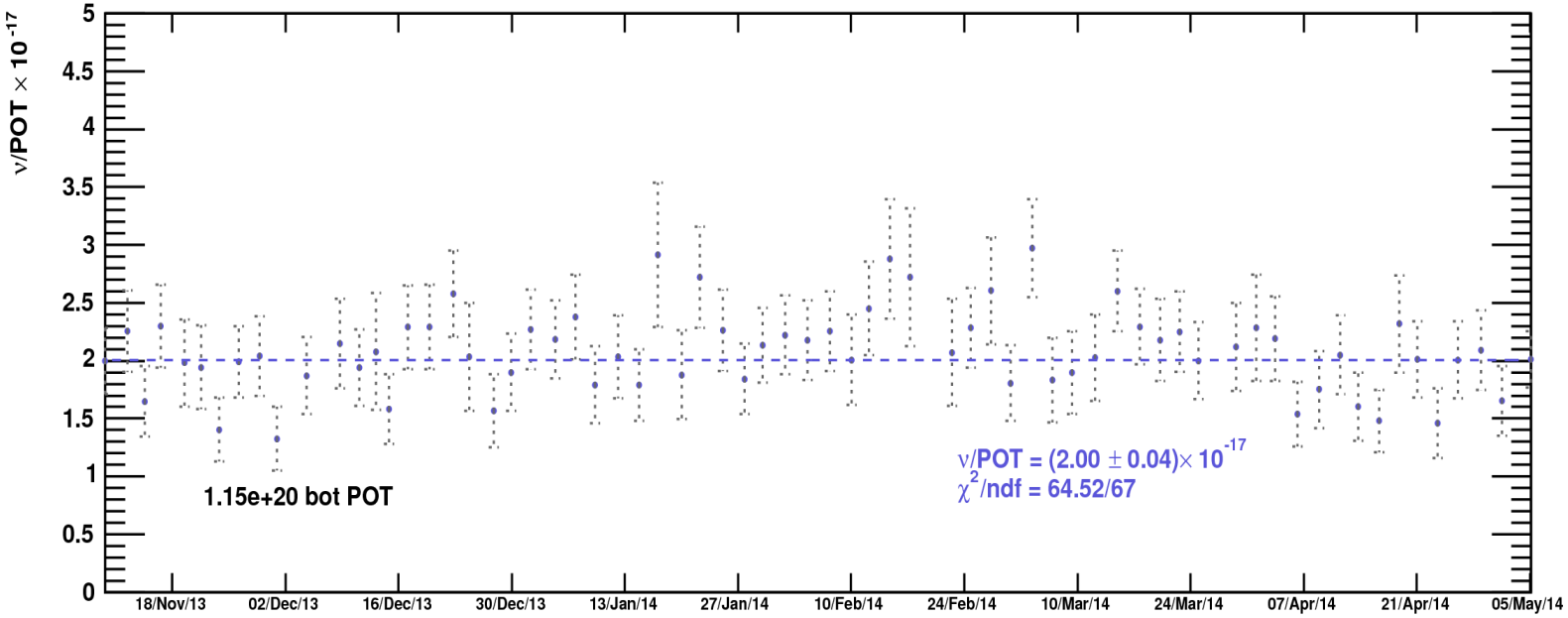
MiniBooNE detector

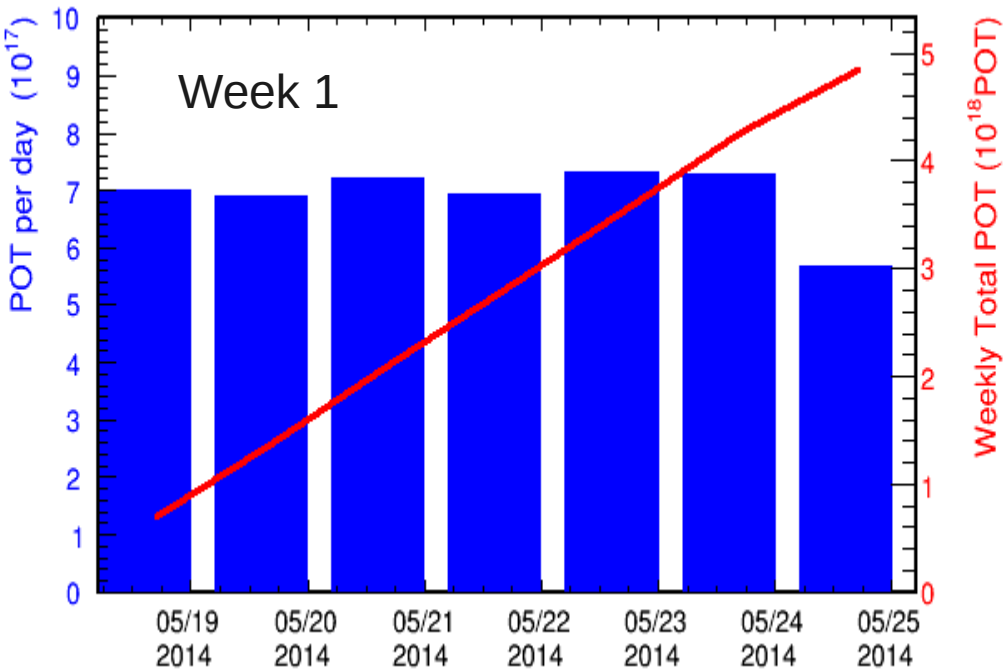
- No issues
- 100% uptime

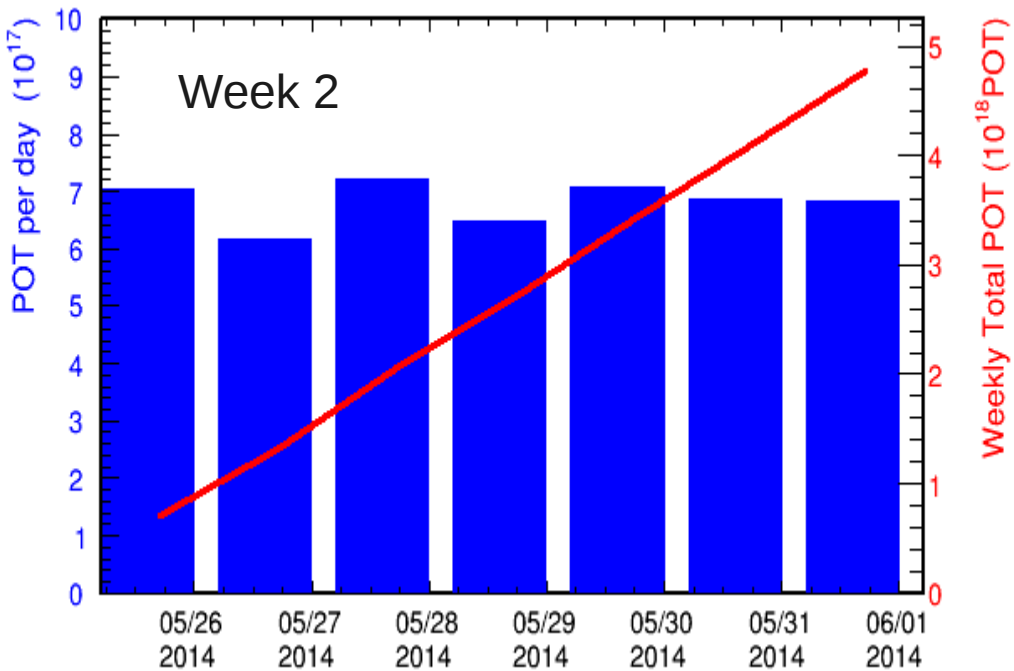
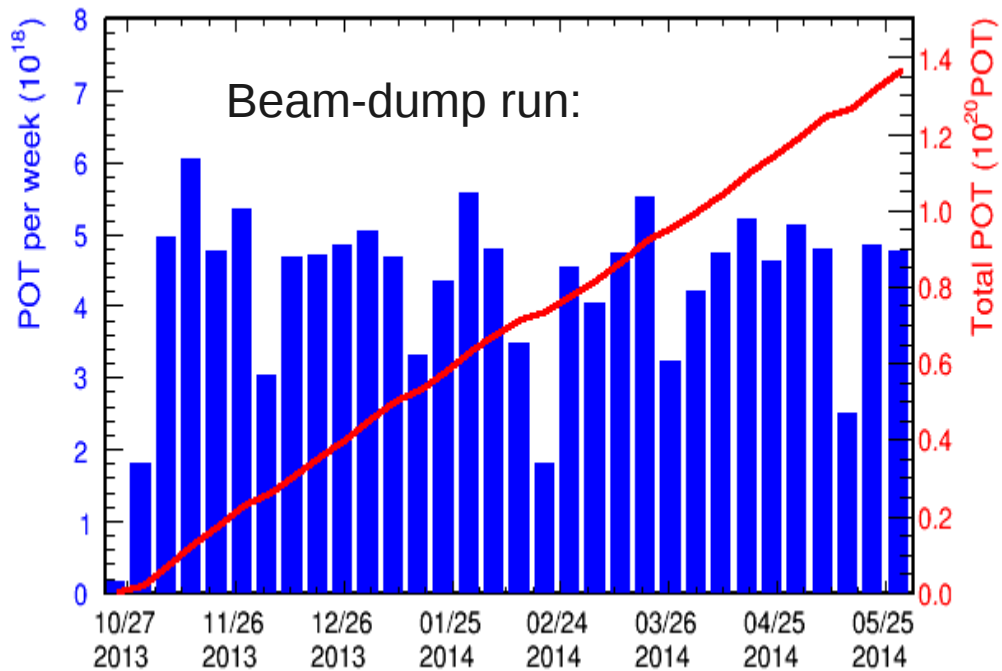


Neutrinos/POT

- Reprocessed data up to beginning of May
- Nu/POT plot after reprocessing the data





Summary

- No issues
- Week 1 POT: 4.9e18
- Week 2 POT: 4.8e18