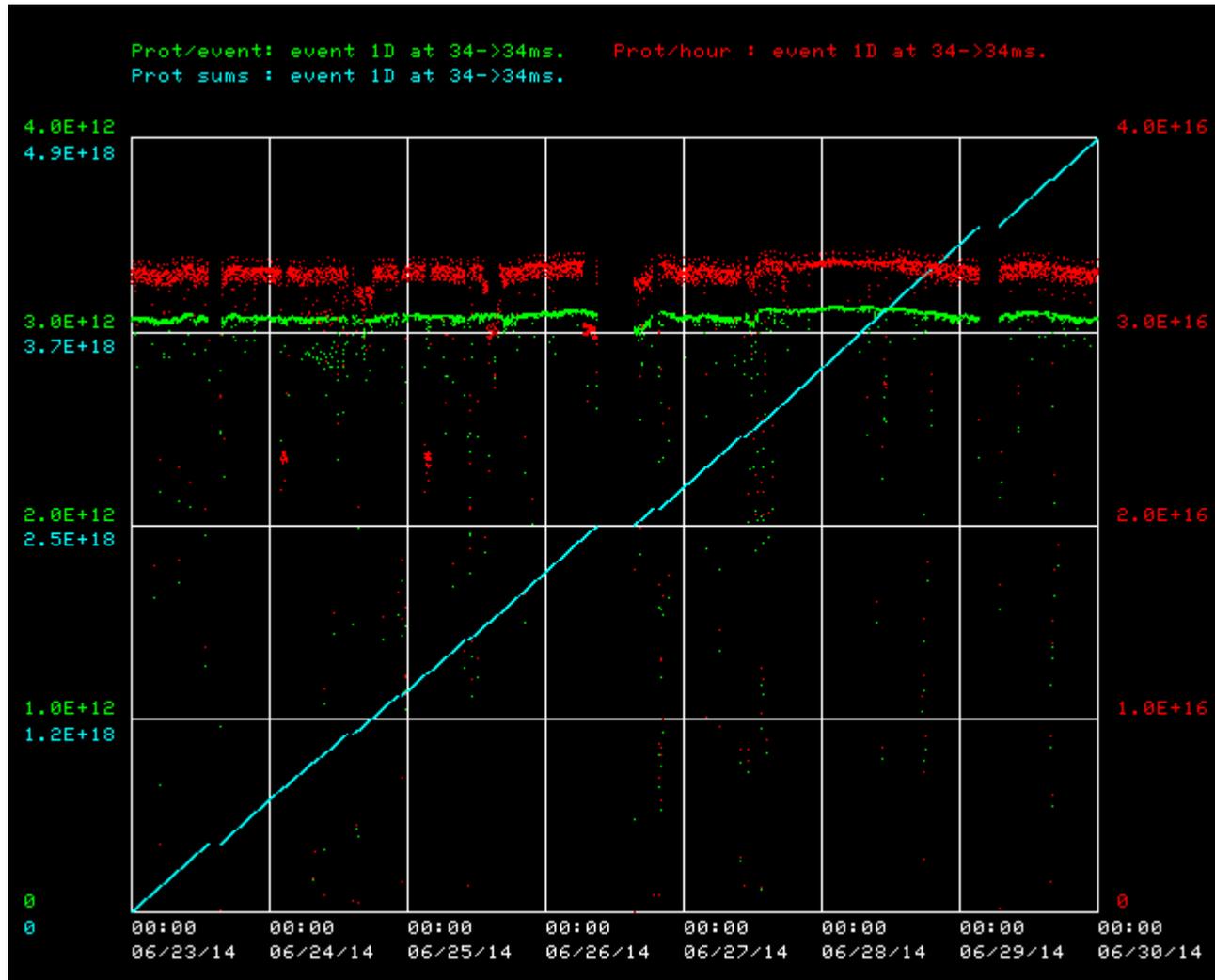


MiniBooNE Beam-Dump Run

Žarko Pavlović
Fermilab

June 30th 2014

BNB



```
Summary for Event 1D
From 23-JUN-2014 00:00:00
to 30-JUN-2014 00:00:00

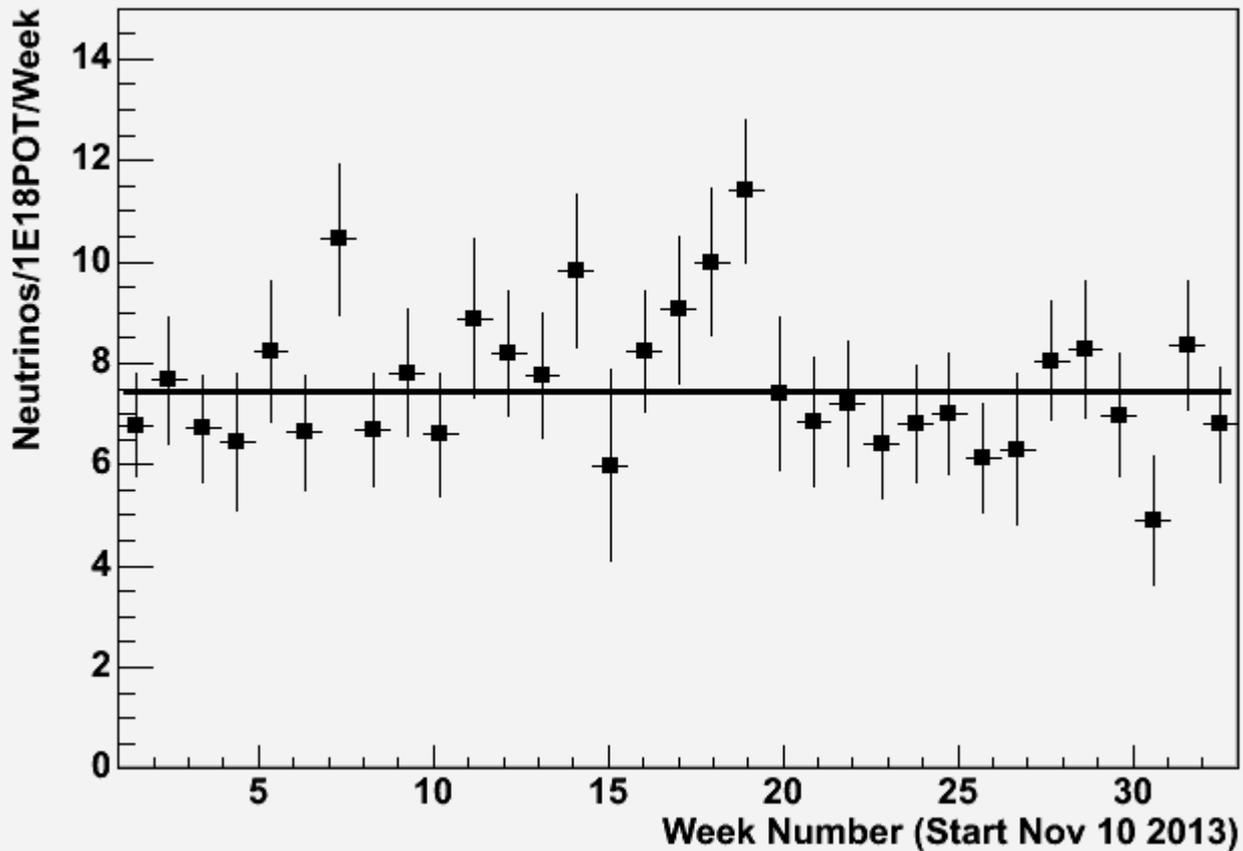
Percentage up time: 91.4
Total Events: 1722496
Total Protons: 4.91E+18
Average Events/second: 3.12
Average protons/Event: 2.85E+12
Average protons/hour: 3.20E+16
Maximum protons/hour: 3.38E+16 06/28/14
(protons out)/(protons in): .92
(Joules lost)/(1e12 prot): 12.4

Beam on averages of collected data
Prot/event: event 1D at 34->34ms. 3.03E+12
Prot sums : event 1D at 34->34ms. 2.44E+18
Prot/hour : event 1D at 34->34ms. 3.24E+16
```

- Major downtimes:
 - MiniBooNE horn testing – 2hr (06/23)
 - Power glitch – 7hr (06/26)
 - Booster problems – 3hr (06/29)

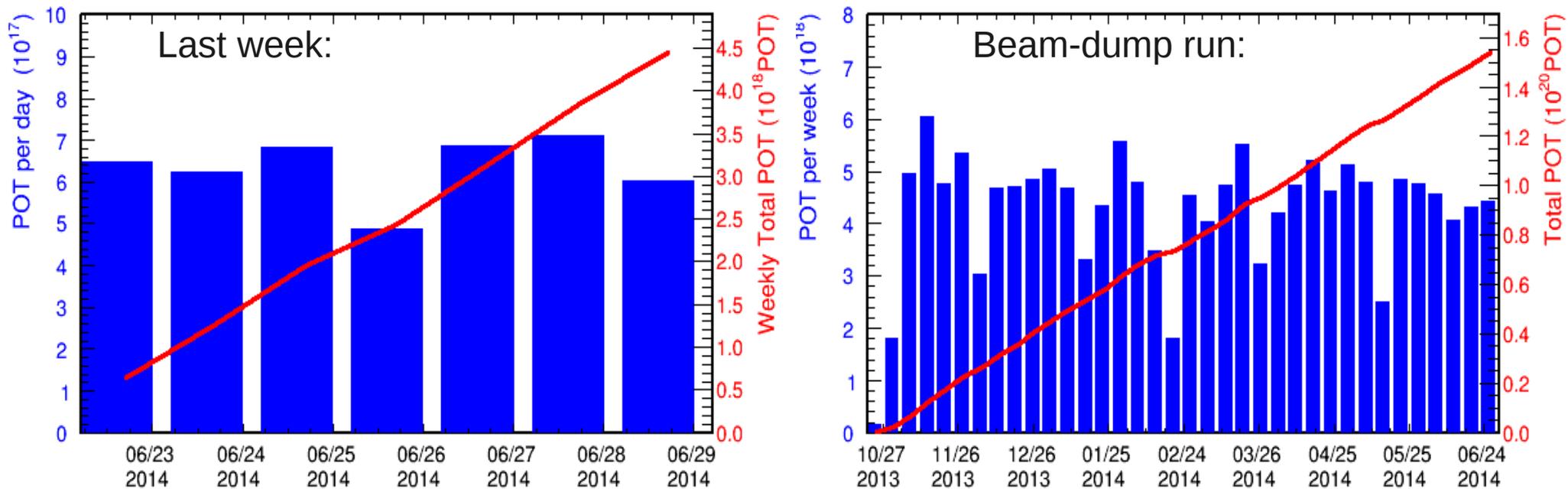
MiniBooNE detector

- No issues
- 100% uptime
- Reprocessed data up to first week of June



Summary

- Preparations for MicroBooNE run
 - Over last couple of weeks horn power supplies switched, and pulsed
- Weekly POT: 4.5e18



Horn power supply

- MiniBooNE ran in anti-neutrino mode, and now running in beam off-target
- MicroBooNE will run in neutrino mode
- Swapped power supplies week of 06/16
- On 06/18 tried to run horn pulser, but need to replace one of the charging supplies
- Ran test again on 06/23 at 13:30