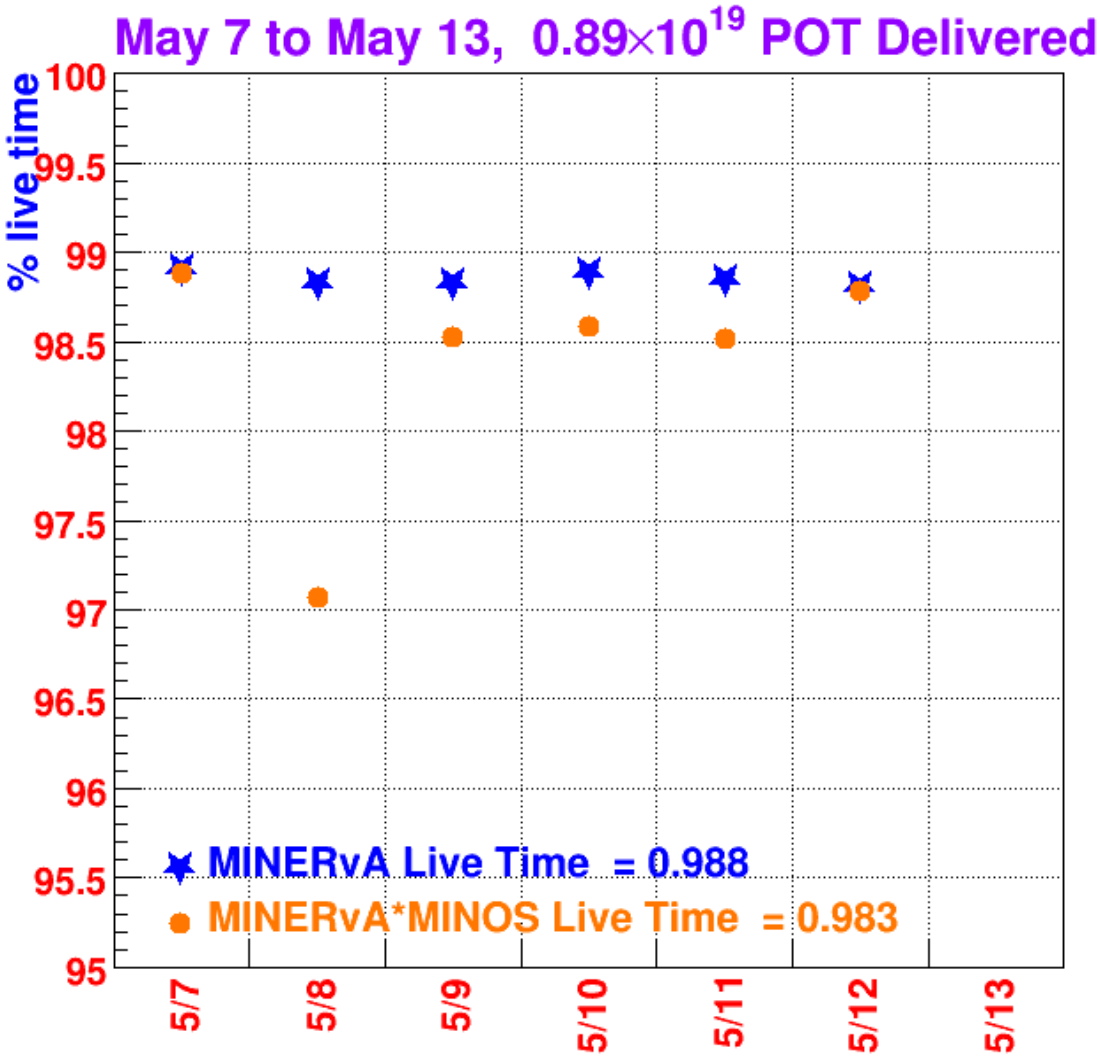
The MINERνA Operations Report
All Experimenters Meeting

Howard Budd, University of Rochester

May 18, 2015

ν Data

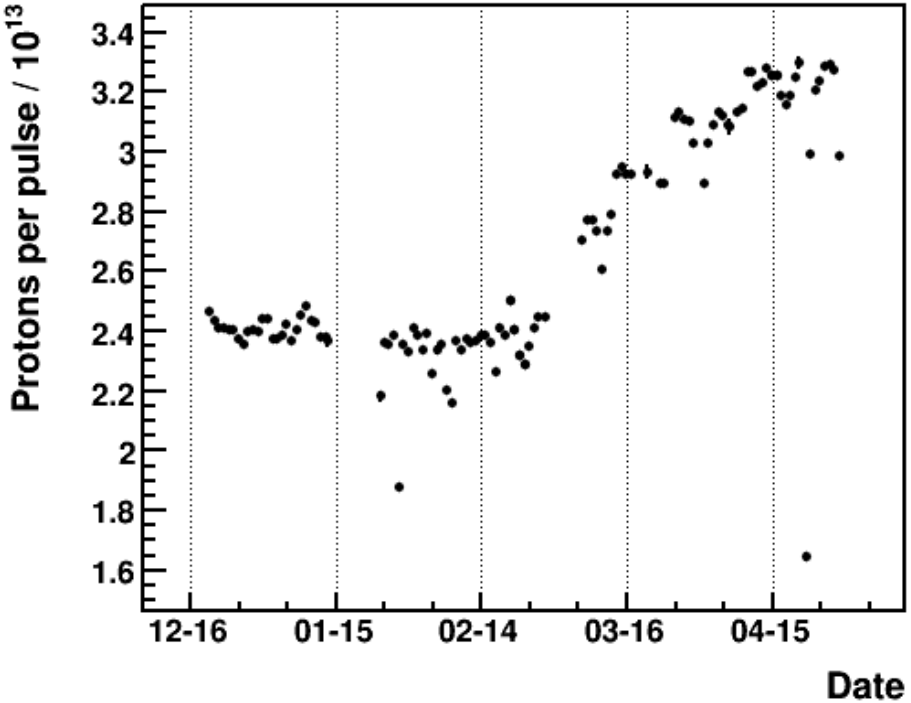


- Live time, May 7-13, 2015
- 0.89×10^{19} POT
- MINERvA 98.8%
- MINERvA*MINOS 98.3%
- May 13 no beam

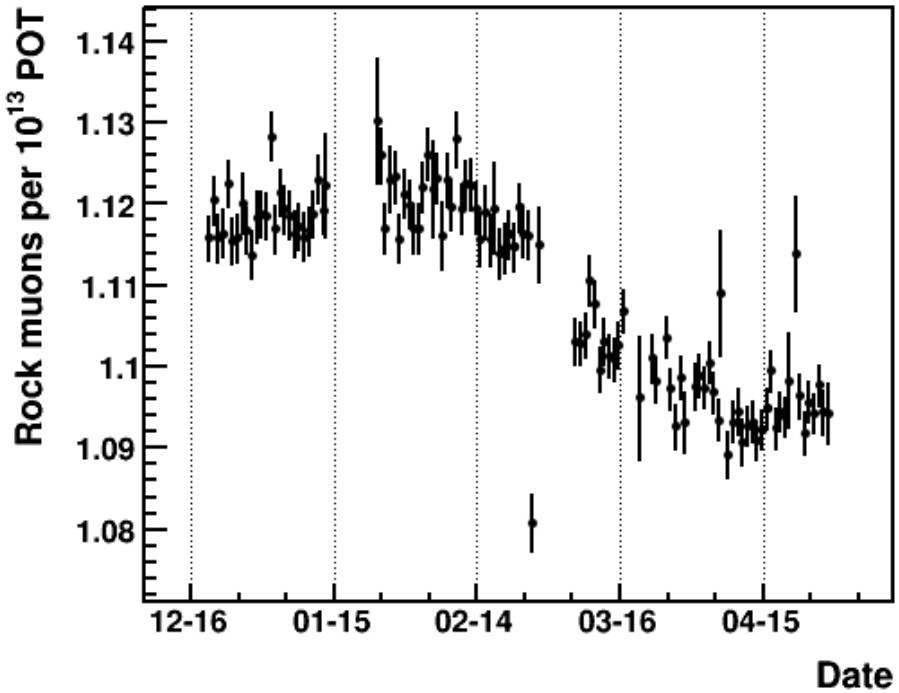
FEB Replacement During the Shutdown

- During the shutdown we replaced and FEB to fix a high voltage (HV) varying problem.
  - Sometimes the HV drops suddenly, possibly from a spark in the PMT. The Crockcroft-Walton (CW) supply brings the voltage back to nominal, but may overshoot. The return to normal takes ~10 gates. Usually only one PMT is doing this.
  - If the problem is in the electronics supplying the voltage, the PMT box has to be replaced, since the CW is on the PMT base which is in the PMT box.
  - Sometimes the problems is due to a HV readback in which case replacing the FEB will usually fix the problem.
  - During the shutdown we replaced the FEB as the problem for the tube was thought to be associated with a readback problem. This seemed to fix the problem.

Rock Muons/POT



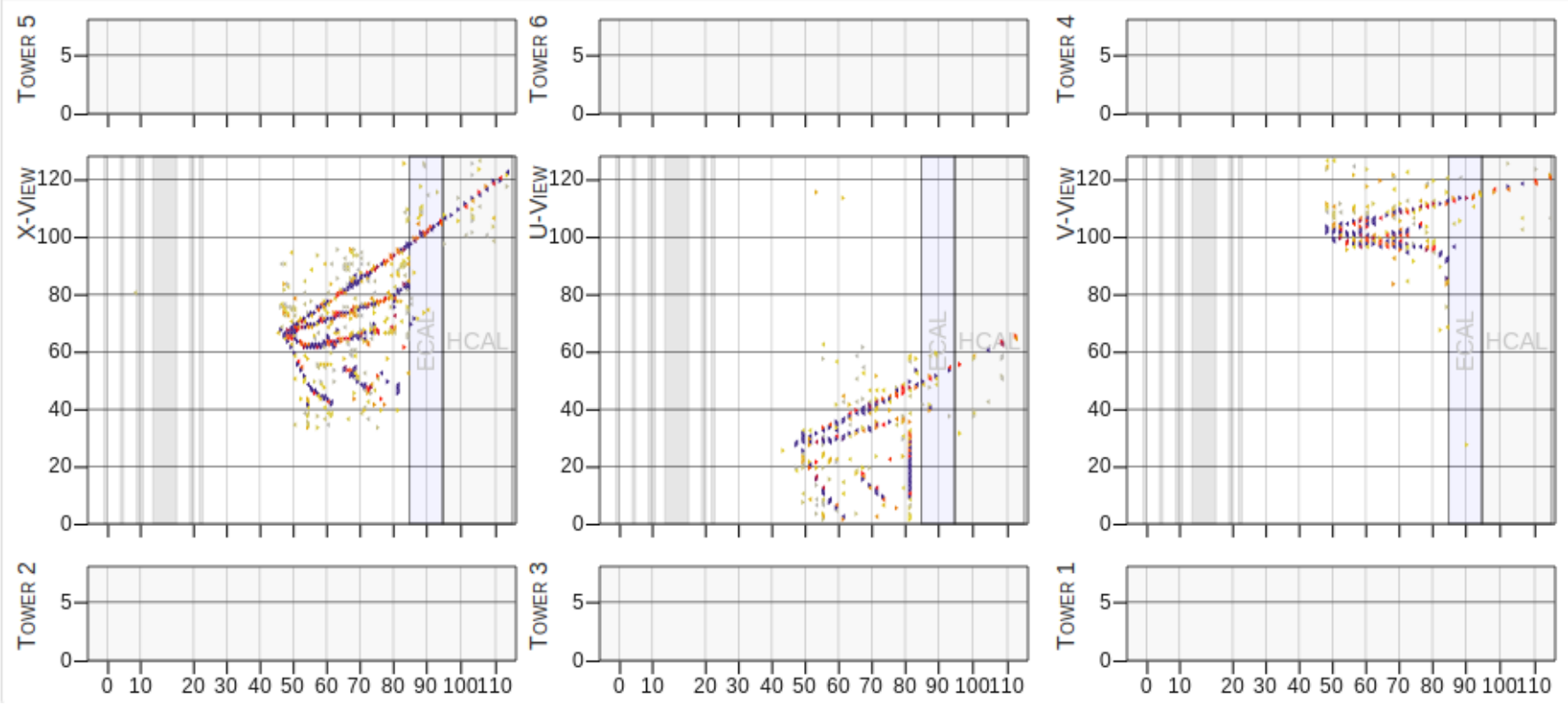
POT/Pulse



Rock Muons/POT

We suspect the drop in Rock Muons/POT may be due to reconstruction efficiency going down due to the higher instantaneous rate and should not necessarily be taken as any evidence of a rate dependence of real rock muons.

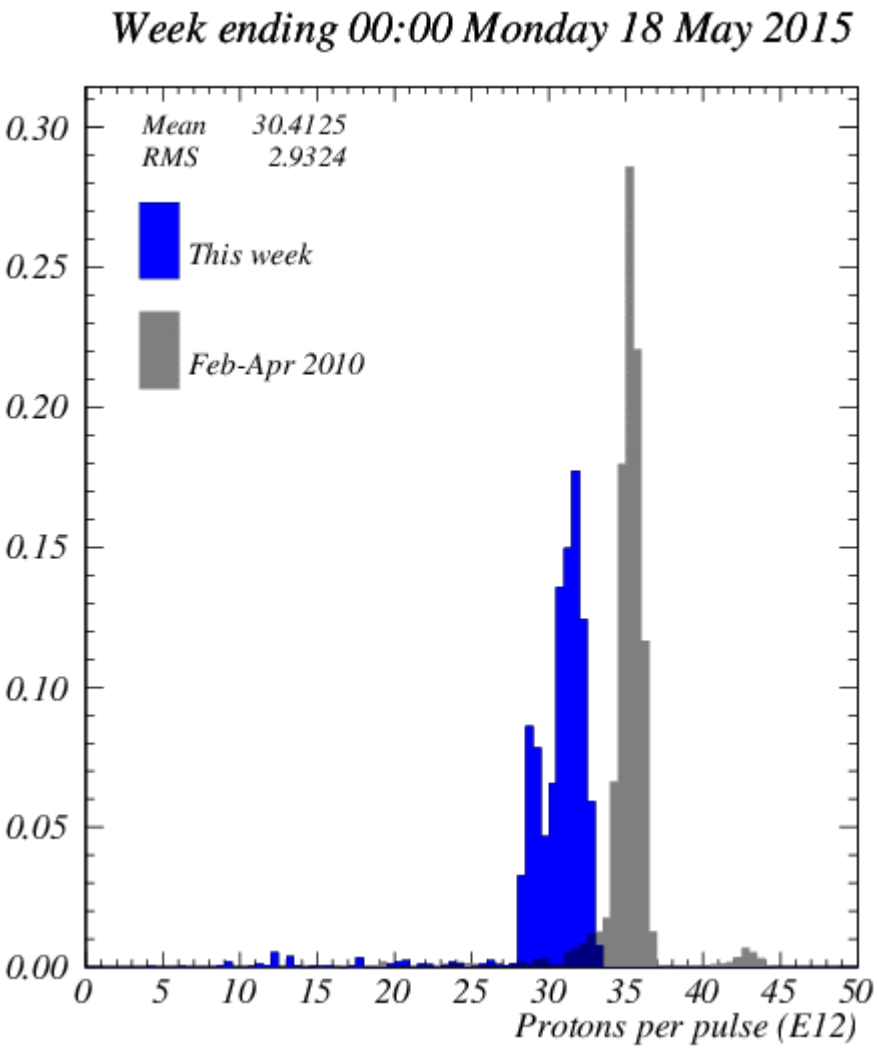
Event Display

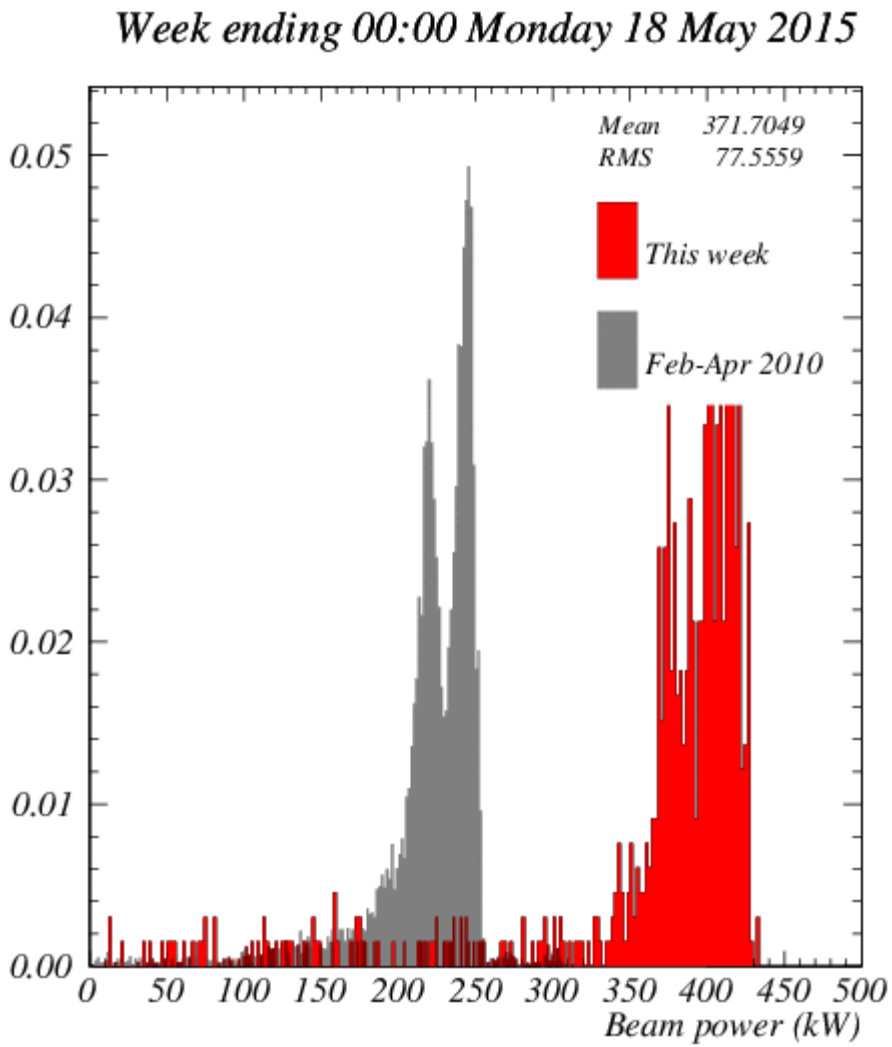


X View V View U View

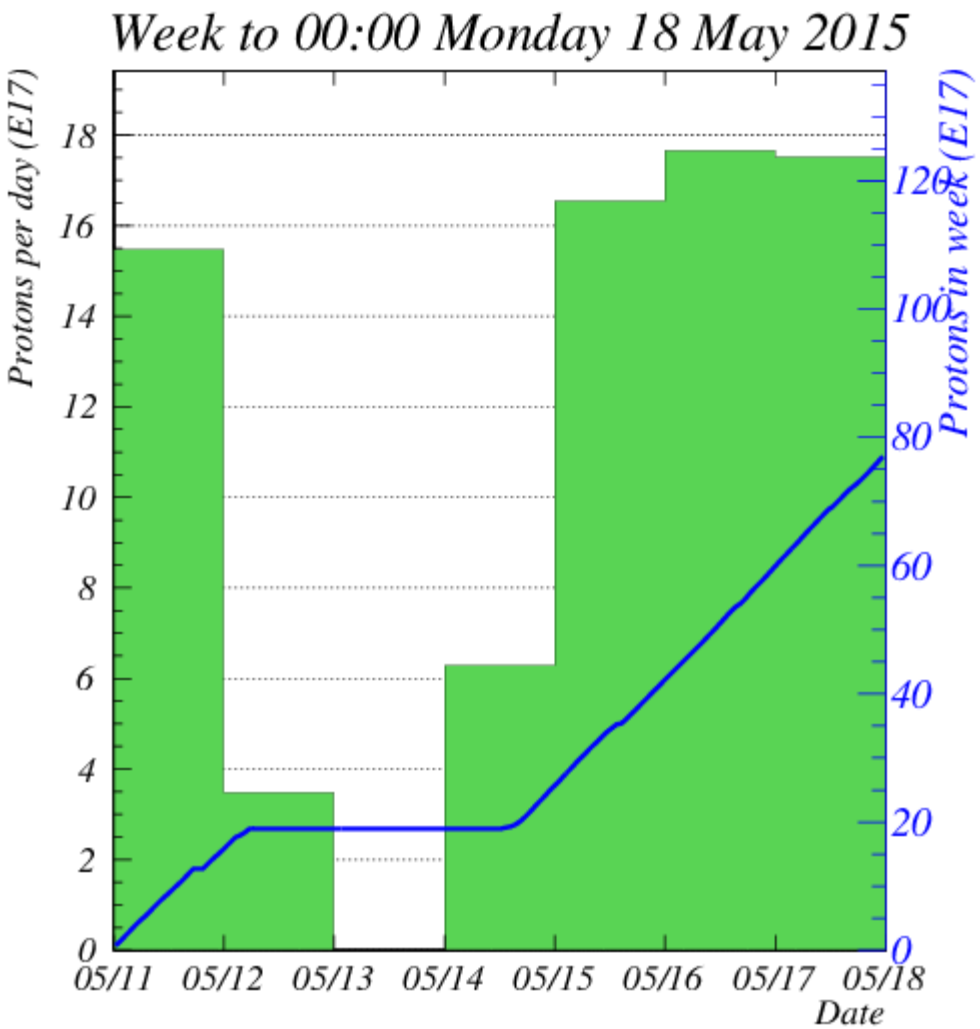
Tracker Event

NuMI Beam Plots
May 11-17, 2015



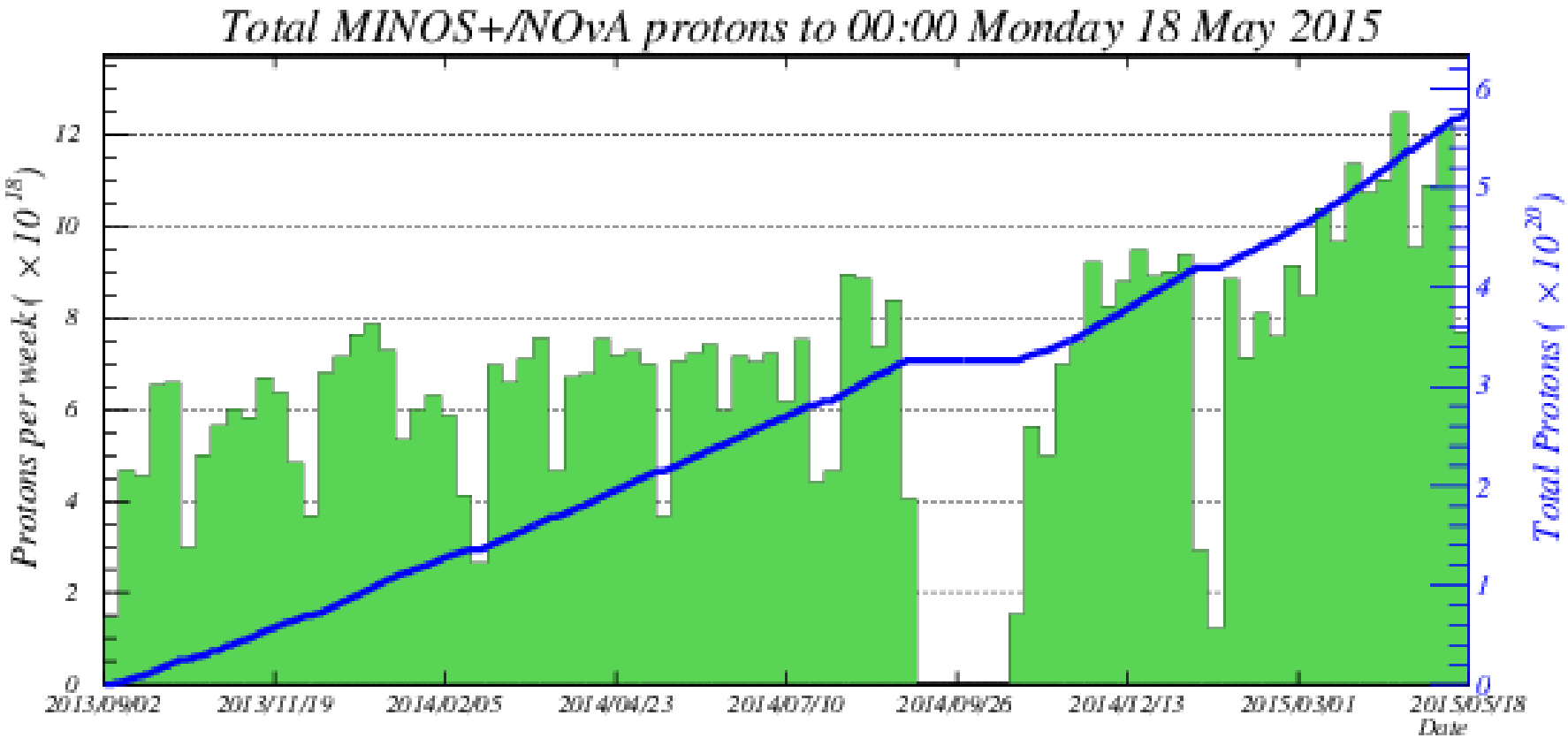


Protons for the Week



0.77×10^{19} POT
May 11-17, 2015

Protons for ME Run



57.29 $\times 10^{19}$ POT - Sep 6, 2013 at 15:00 – May 17, 2015