

The MINERvA Operations Report

All Experimenters Meeting

Howard Budd, University of Rochester
Feb 17, 2014





v Data



- We had problems calculating live times from the period from Feb 6 to Feb 12, 0.56×10^{19} POT. Not completely sure what the problem was.
- We ran well during this period
 - As reported last week we replace a FEB on Feb 6 with the live time of 91% for that day.
- Reported last week, one of our control room PCs failed over the weekend of Feb 8-9. It would reboot itself. The problem seems to have resolved itself. We are still trying to determine the cause.



Filling the He Target



- The He target is full.
- The target absolute pressure & temperature is stable. The pressure is the same as it was during the LE Run
- The He target was ready for data taking on Jan 29, about 2 weeks after work on filling the He target started, Jan 14.
- We thank Bob Sanders and Rich Schmitt of PPD - MED



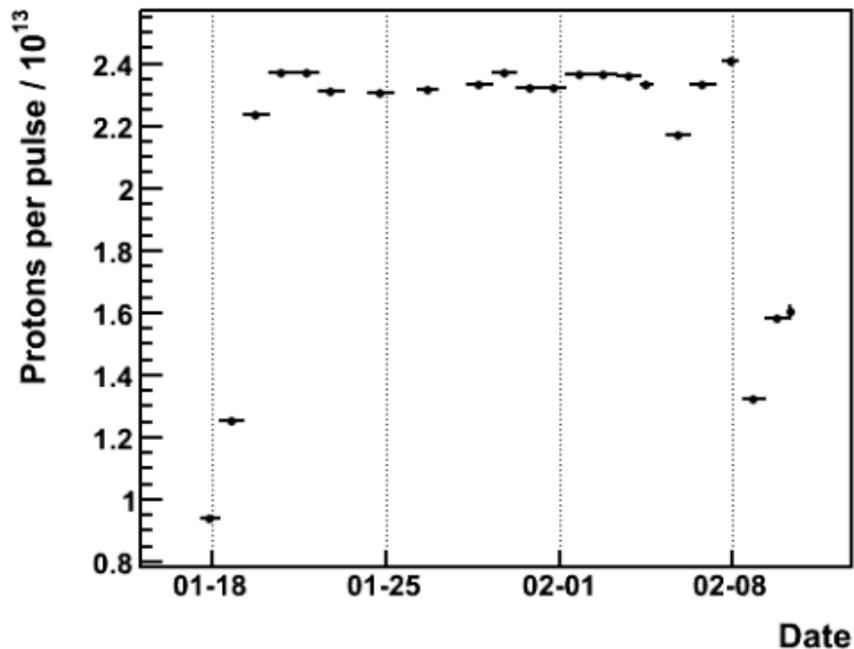
Putting the Roof Back On



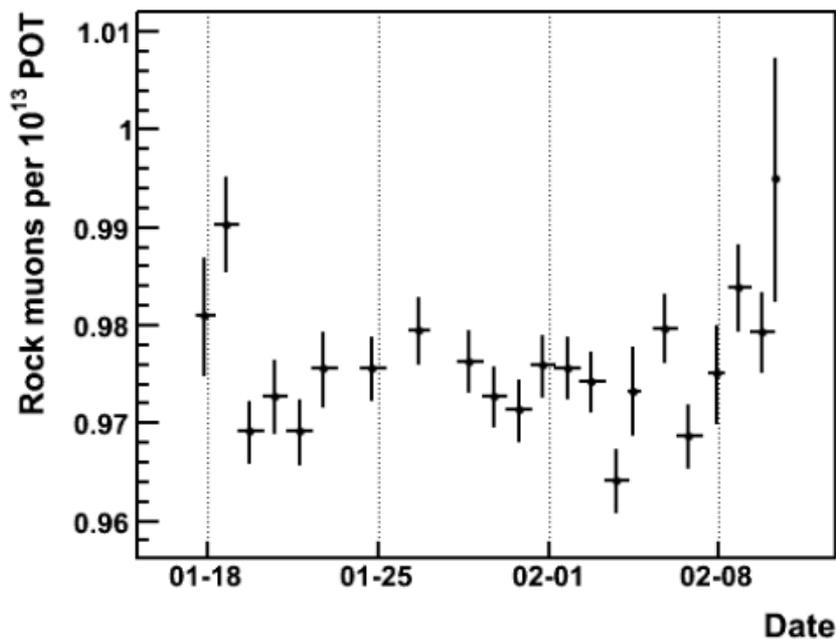
- Two of the 3 roof panels are on. These cover the MINERvA detector. Tomorrow, we plan putting on all 3 panels
 - Uncovered are parts of the He Target and the veto counters. One of the drip pans is over the veto counters.
 - While taking off the roof, connecting the spreader bar to the hooks on the middle roof panel was difficult. The spreader bar will be attached to the hooks in a slightly different way. This should make it easier to connect the spreader bar. We will not move the hooks the middle roof panel.



Rock Muons/POT



POT/Pulse



Rock Muons/POT

- Rock muons are generated in the berm, not the detector.
- Staring the plot at Jan 18 2014.



Status of Muon Monitor 4

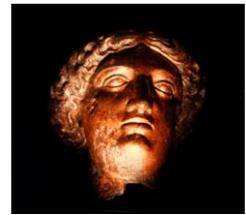


Muon Monitor 4 Gas Rack

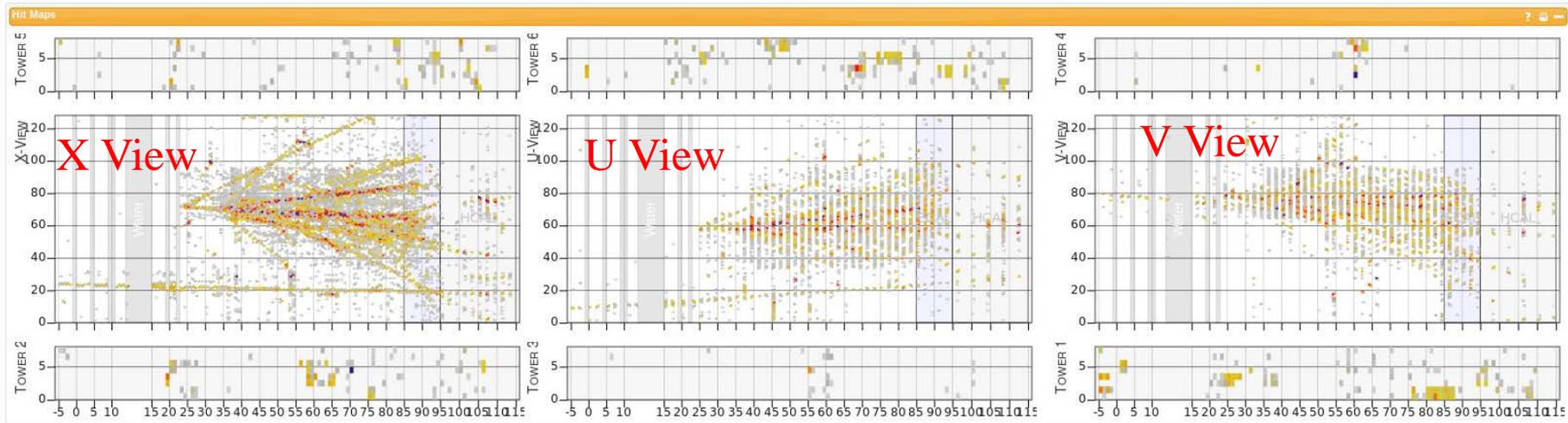
- A review of the MM4 gas rack took place on Feb 14. It passed the review with no findings.
 - A question arose regarding the overall system's relief valve location. This is under investigation.
- The pressure sensor will be installed and leak checked tomorrow morning. After leak checking the gas panel will be connected to the main gas system, connecting HH4 to the He line. The HV will be turned off for the other monitors, MM 1,2, 3 & HM. He gas will start flowing to MM4.



Event Display



Outer Calorimeter



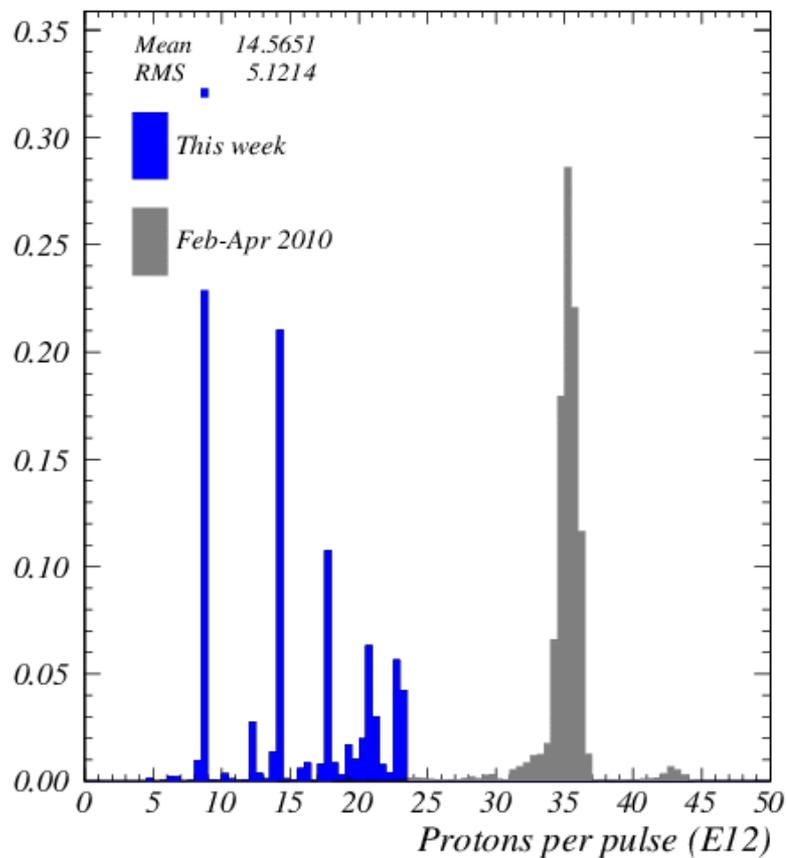
DIS event & a rock muon event



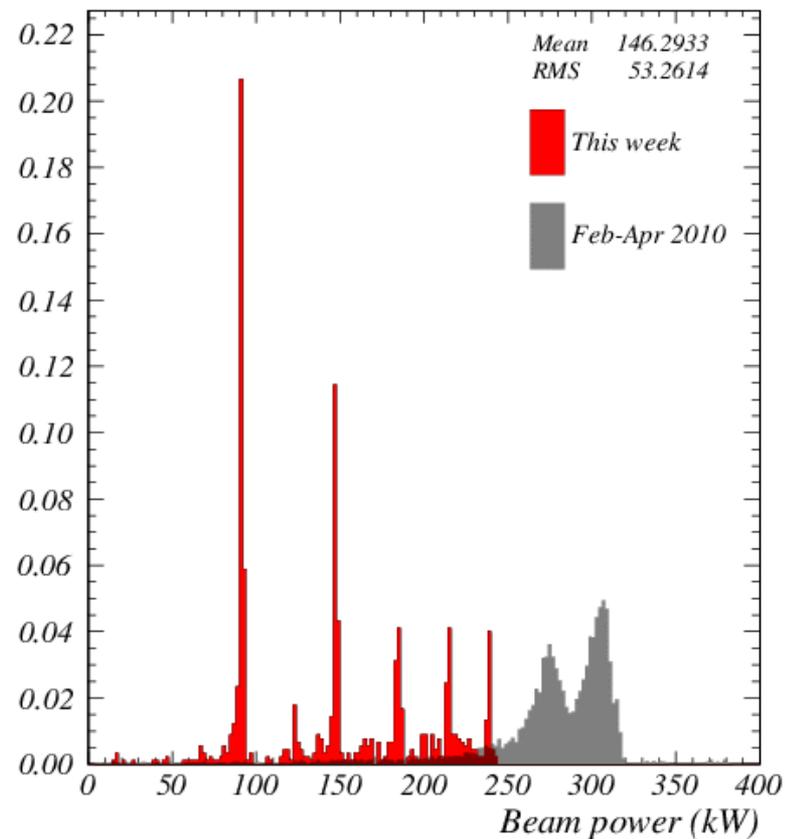
NuMI Beam Plots



Week ending 00:00 Monday 17 February 2014

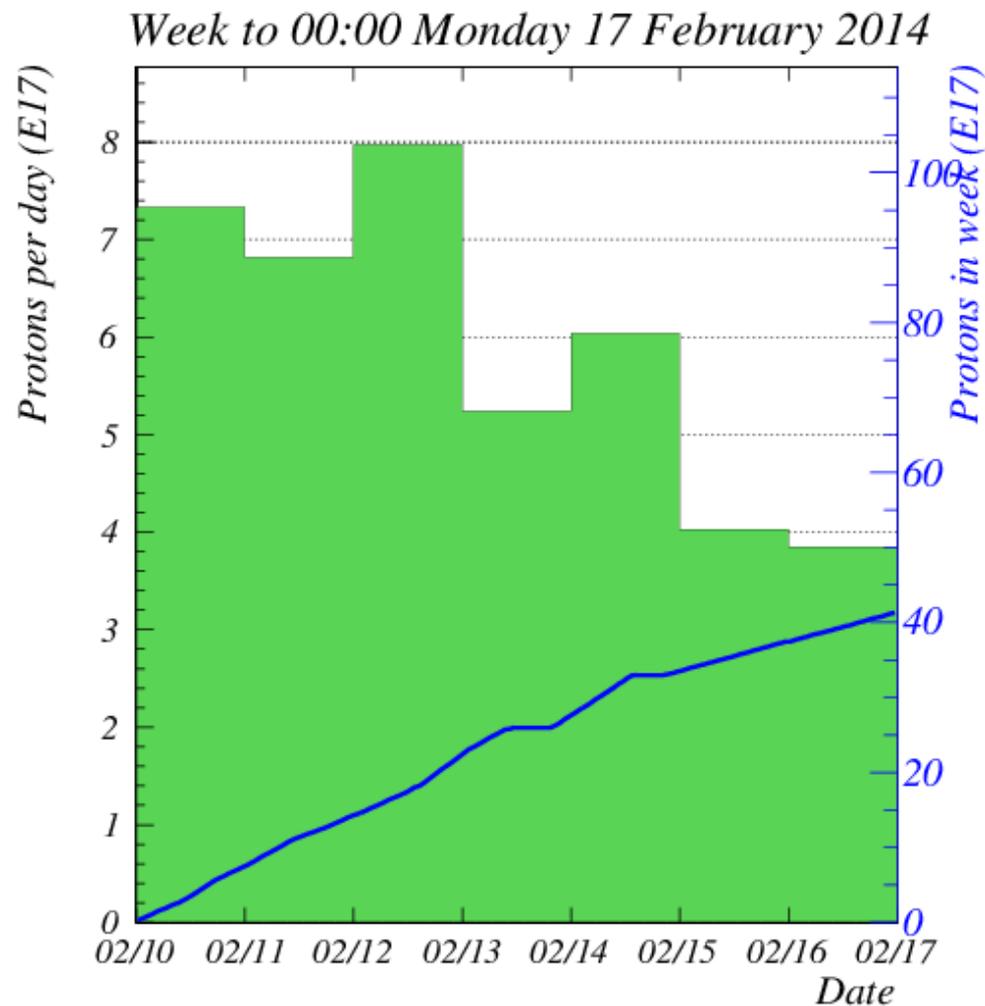


Week ending 00:00 Monday 17 February 2014

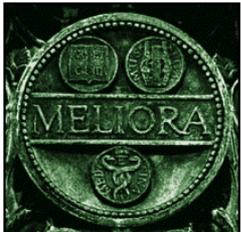




Protons for the Week



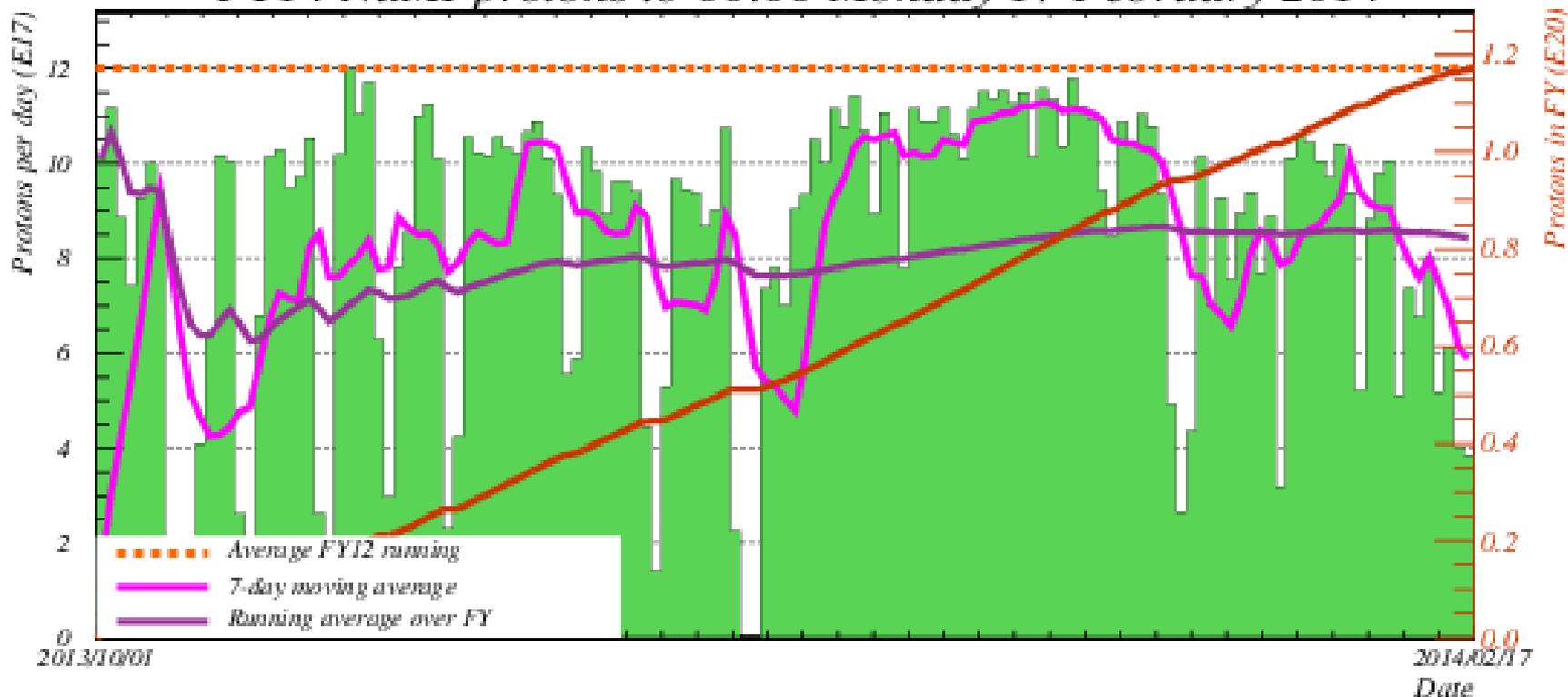
0.41×10^{19} POT
Feb 10-16 2014



FY2014 Protons



FY14 NuMI protons to 00:00 Monday 17 February 2014



11.71×10^{19} POT

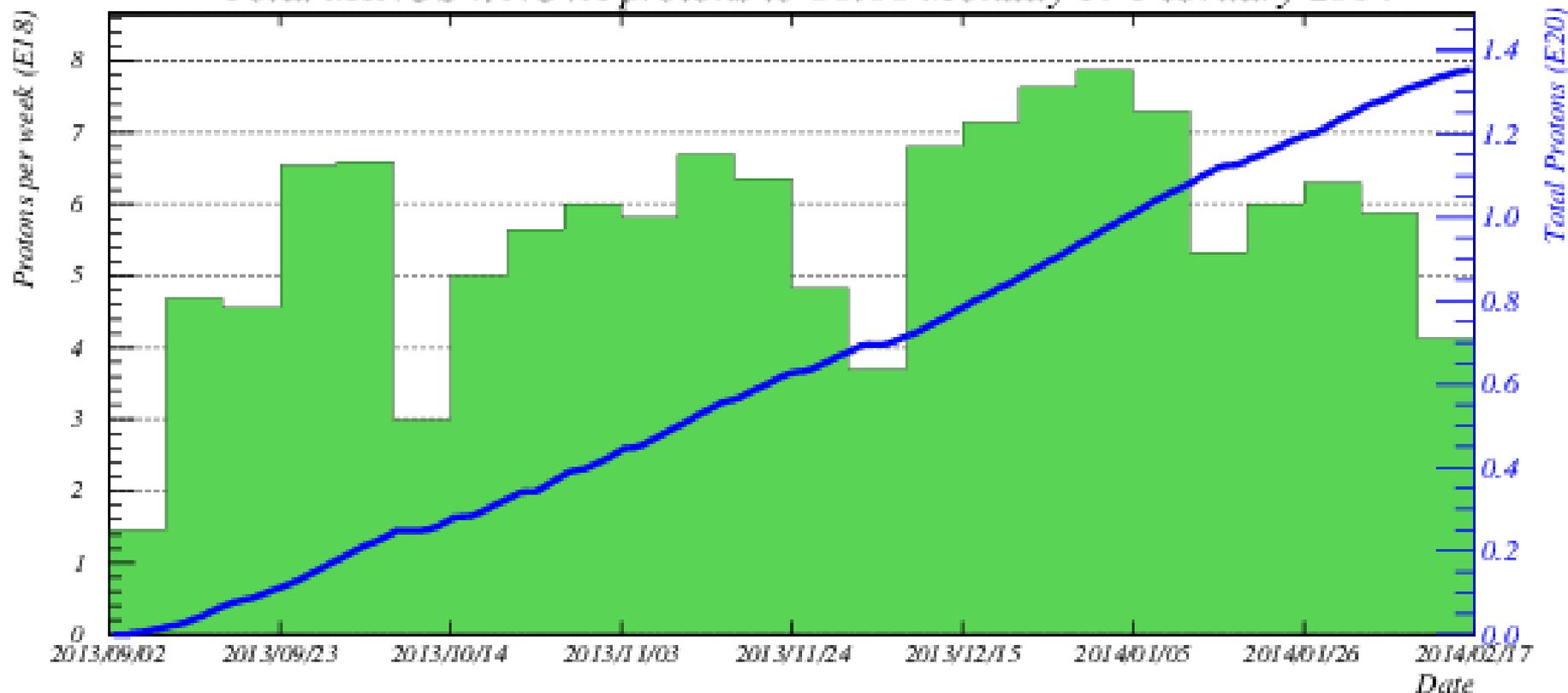
Oct 1 2013- Feb 16 2014



Protons for ME Run



Total MINOS+/NOvA protons to 00:00 Monday 17 February 2014



13.49×10^{19} POT

Sep 6 2013 at 15:00 – Feb 16 2014