

The MINERvA Operations Report

All Experimenters Meeting

Howard Budd, University of Rochester
Mar 17, 2014

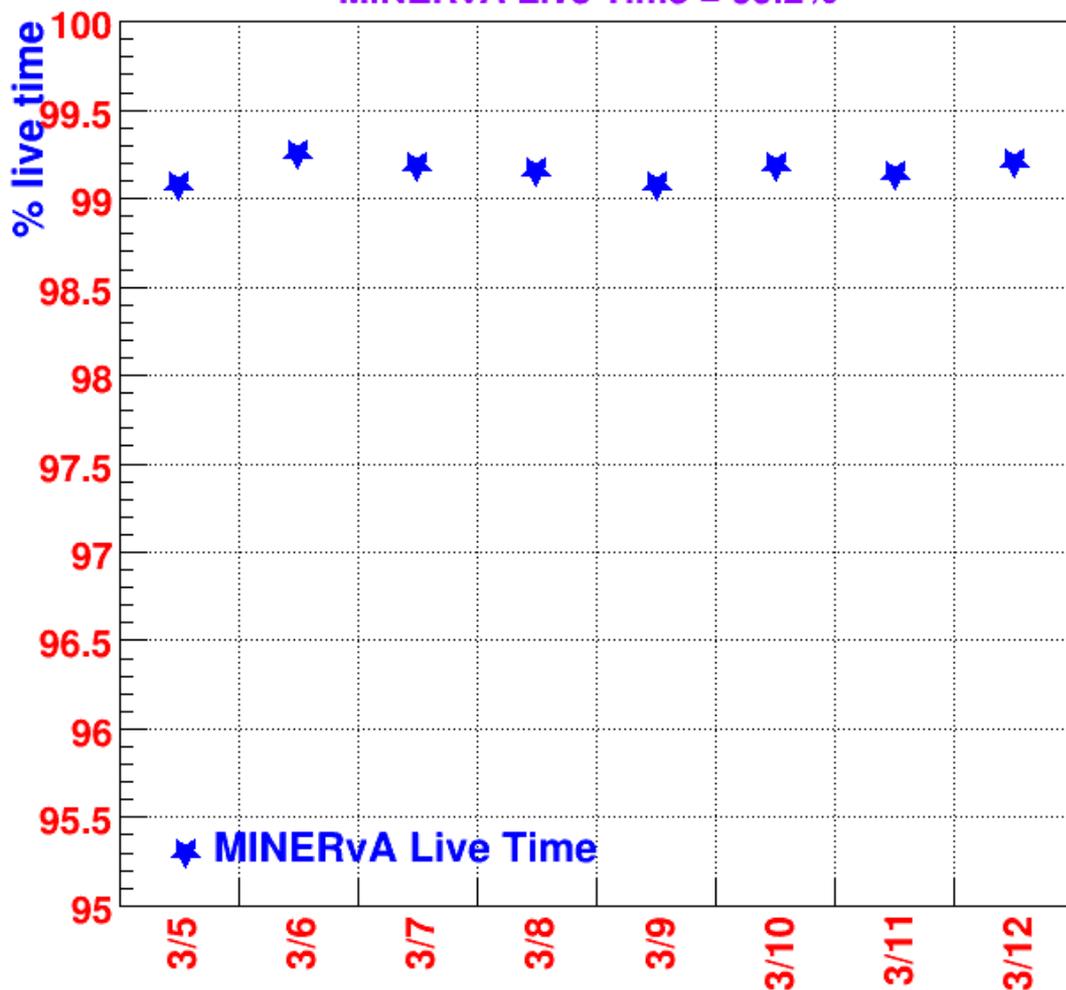




v Data



Mar 5 to Mar 12, 0.73×10^{19} POT Delivered,
MINERvA Live Time = 99.2%



- MINERvA live time Mar 5-12
 - Last week Mar 5 was not presented as the live time appeared to be low, even though the files indicated we had taken data continuously



Problem with AC Data



IF Beam Data Server A9 Event Monitoring

[Legend](#)

Time since last 8F event:	3.1s
Last A9 event timestamp:	02/07/2036 12:28:15 AM (-690980169.6s ago)
Last A9 interval:	690980431.715s

Version: v7.115

- Problem with the AD which showed up at 2:10 PM Mar 15 with the A9 interval on the IF Beam Data Base. The problem still seems to be there
- This problem creates a problem with the beam variables that we need to analyzing the data, as TRTGTD.
- As far as we can tell our trigger timing from the A9 was OK.



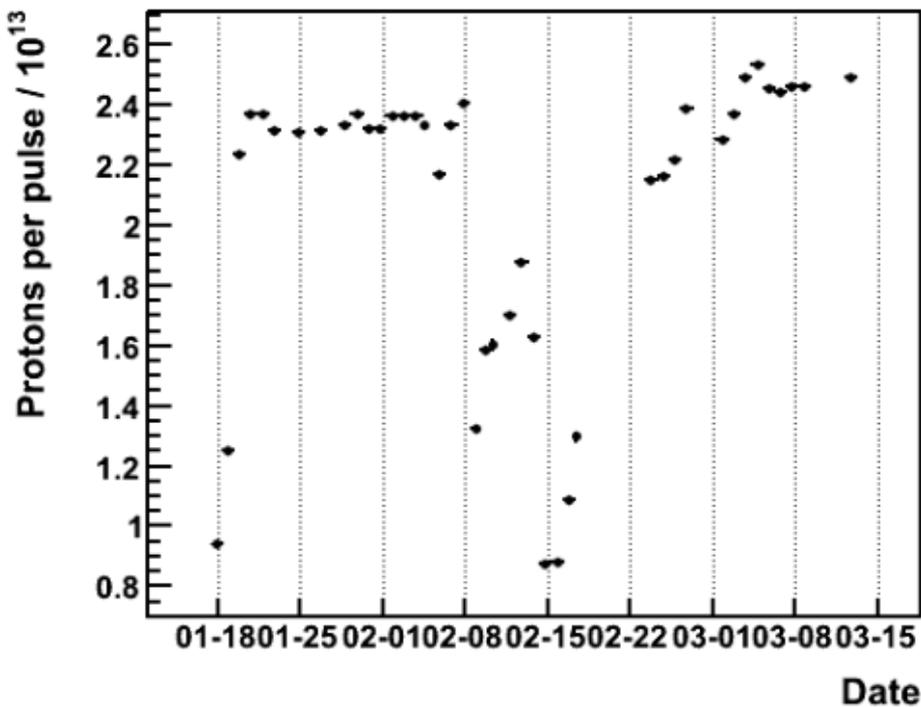
Control Room Computers



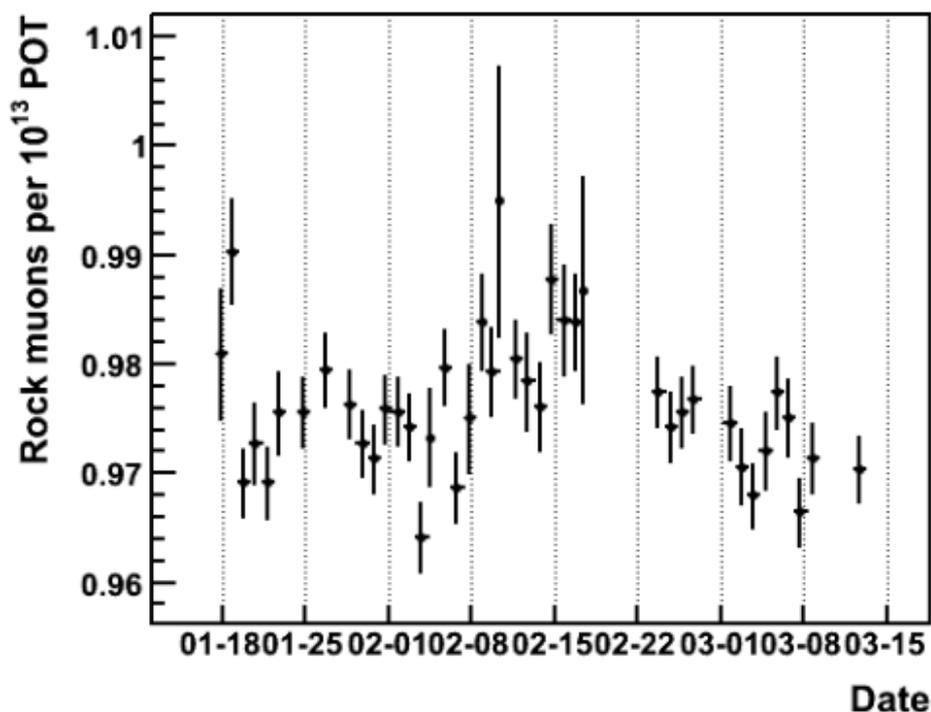
- Problem for our 12th floor computers on SL6. When trying to run our checklist program in Firefox, Xorg (the displays) uses almost all the CPU and causes the other process to stop and the machine to log out. We continue to take data during this period of time.
 - The Nvidia video drivers were updated on Mar 6 to see if that solves the problem.
 - We have not seen the problem reoccur.
 - Investigations being done by Geoff Savage (PPD online support) and Jason Harrington (CS – FEF).



Rock Muons/POT



POT/Pulse

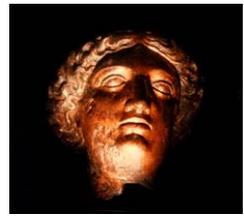


Rock Muons/POT

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



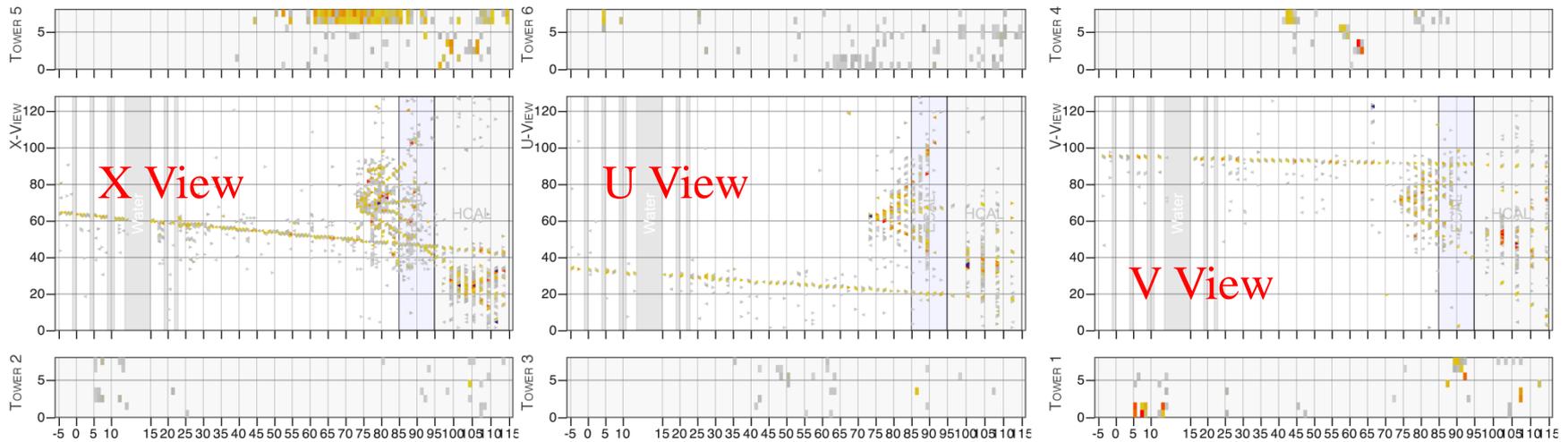
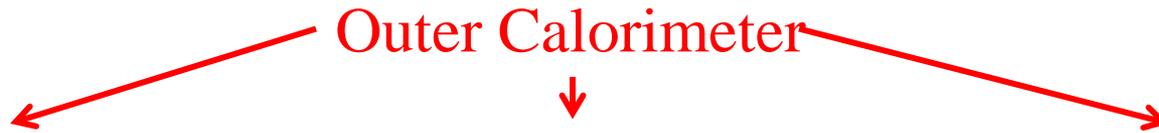
Muon Monitor 4 (MM4)



- We are flowing helium gas with a single bottle.
 - The updated documentation for gas system was approved for flowing gas from a single bottle.
 - After a couple of exchanges pressure we pressure tested the gas rack and chamber.
 - Test gas rack to 48PSI, the limit of the bottle regulator.
 - Test chamber to 3 PSI.
 - There was no loss of pressure
 - Restarted flow of helium.
 - Put it on voltage tomorrow and start reading it out.
 - The SWIC scanner readout for MM4 has worked for a while
 - Connect the gas to the main system during an accelerator down time. This will take about 15 minutes.



Event Display



DIS Event & Rock Muon Event

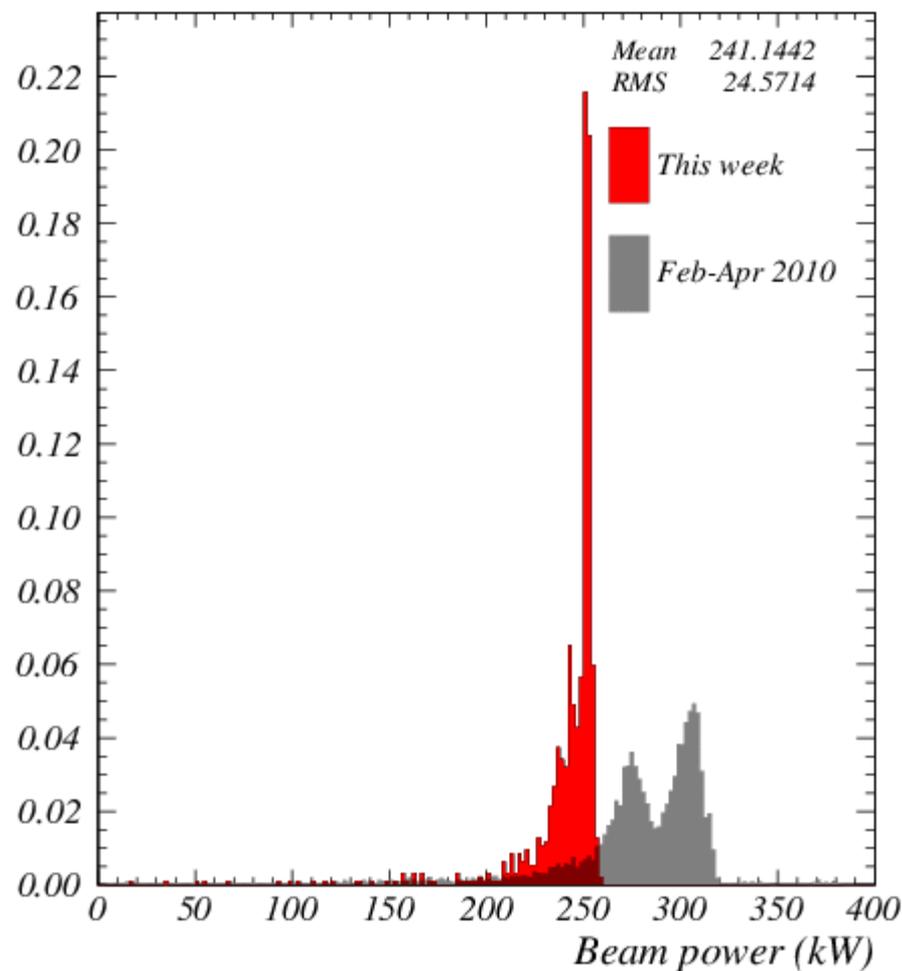
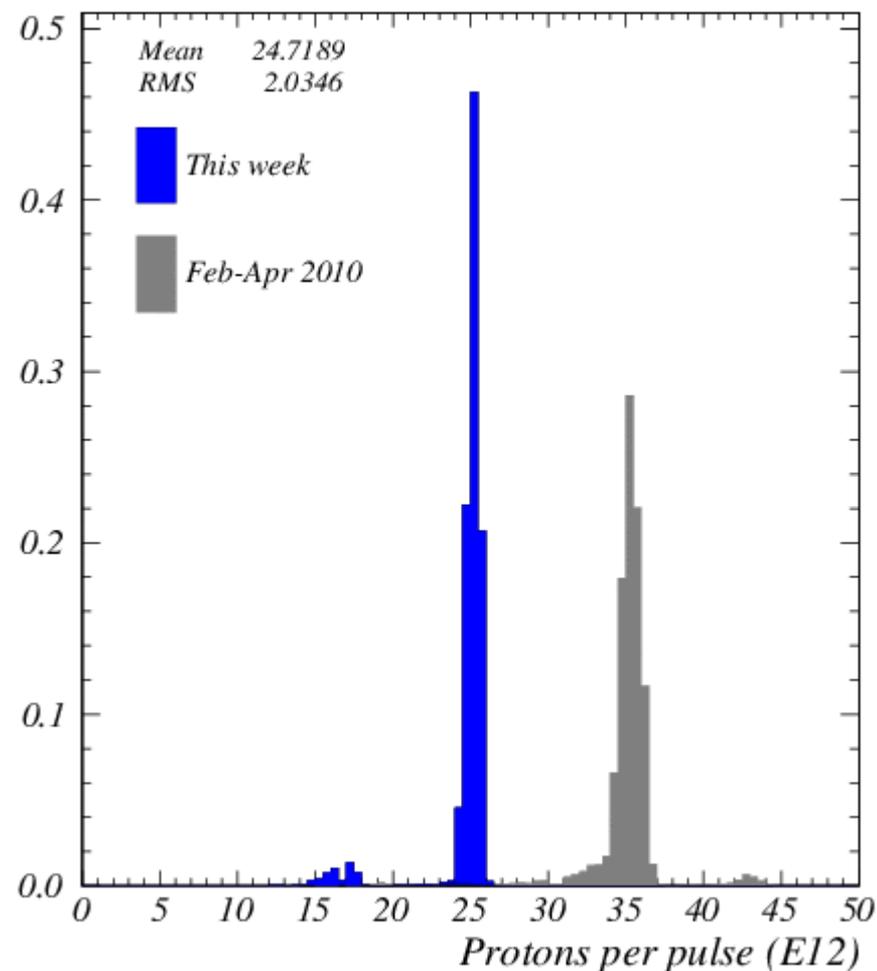


NuMI Beam Plots



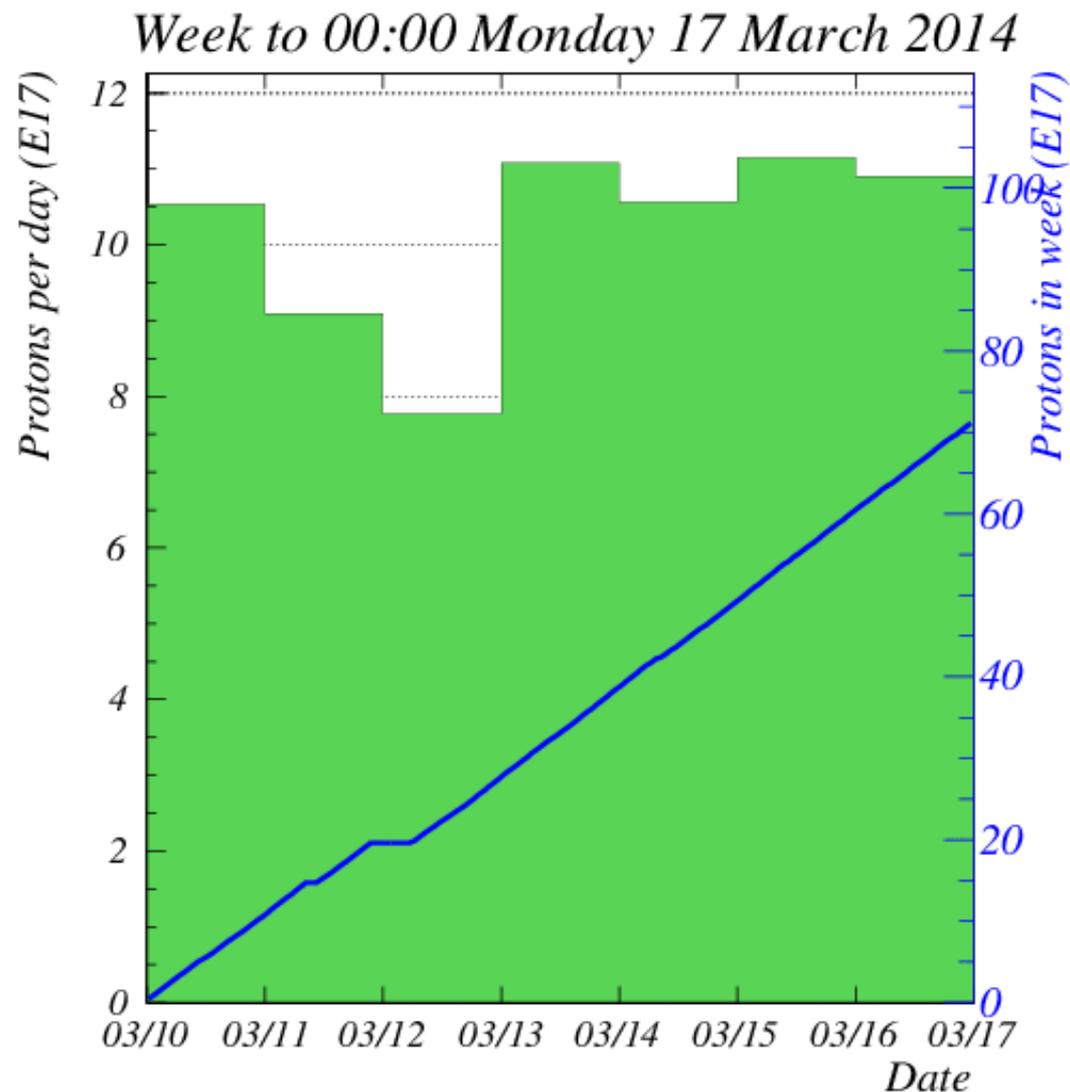
Week ending 00:00 Monday 17 March 2014

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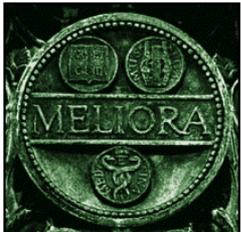




Protons for the Week



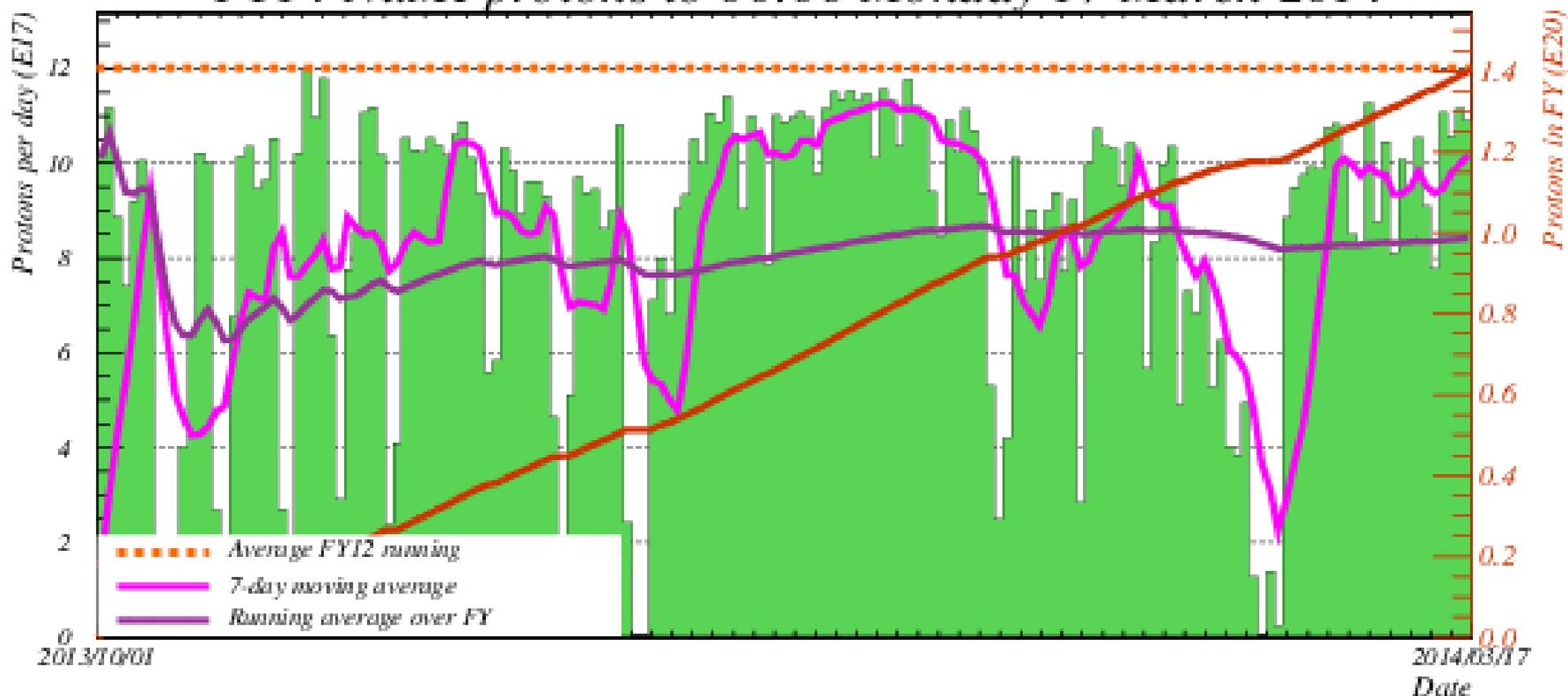
0.71×10^{19} POT
Mar 10-16 2014



FY2014 Protons



FY14 NuMI protons to 00:00 Monday 17 March 2014



14.04×10^{19} POT

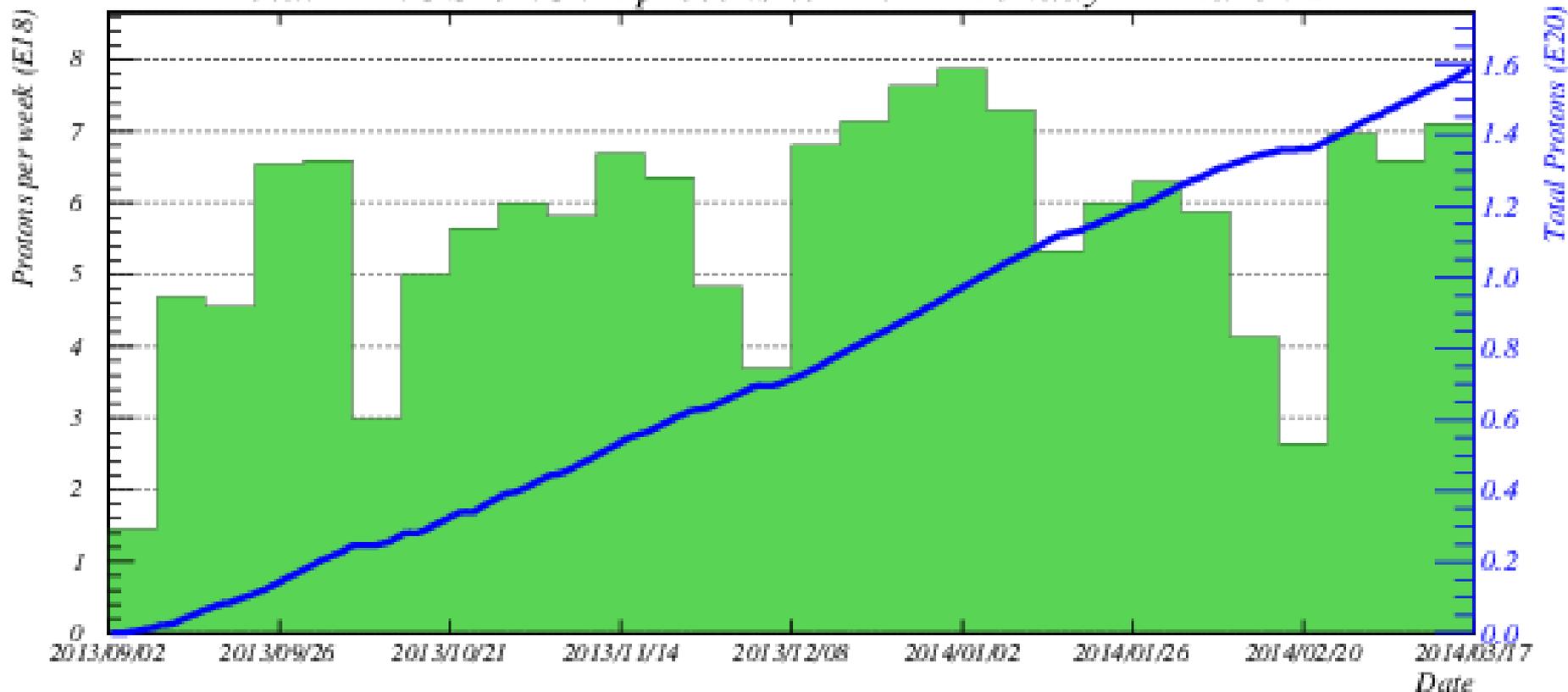
Oct 1 2013- Mar 16 2014



Protons for ME Run



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



15.82×10^{19} POT

Sep 6 2013 at 15:00 – Mar 16 2014