

# The MINERvA Operations Report

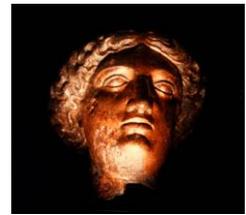
## All Experimenters Meeting

Howard Budd, University of Rochester  
July 14, 2014

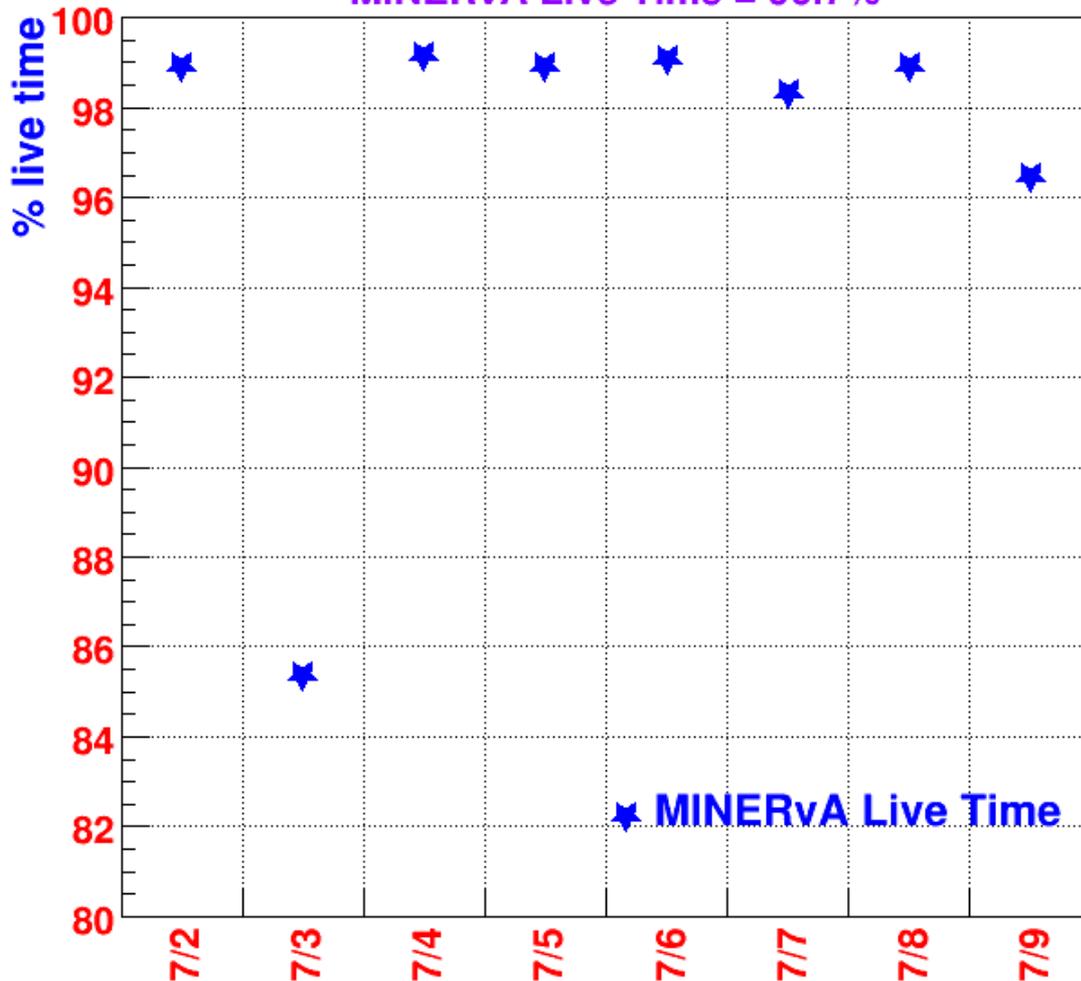




# v Data



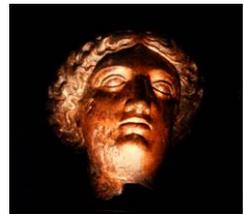
Jul 2 to Jul 9,  $0.71 \times 10^{19}$  POT Delivered  
MINERvA Live Time = 96.7%



- Live time July 2-9.
- We show point for July 2 which we did not show last week.
- Discuss July 3 on the next page.



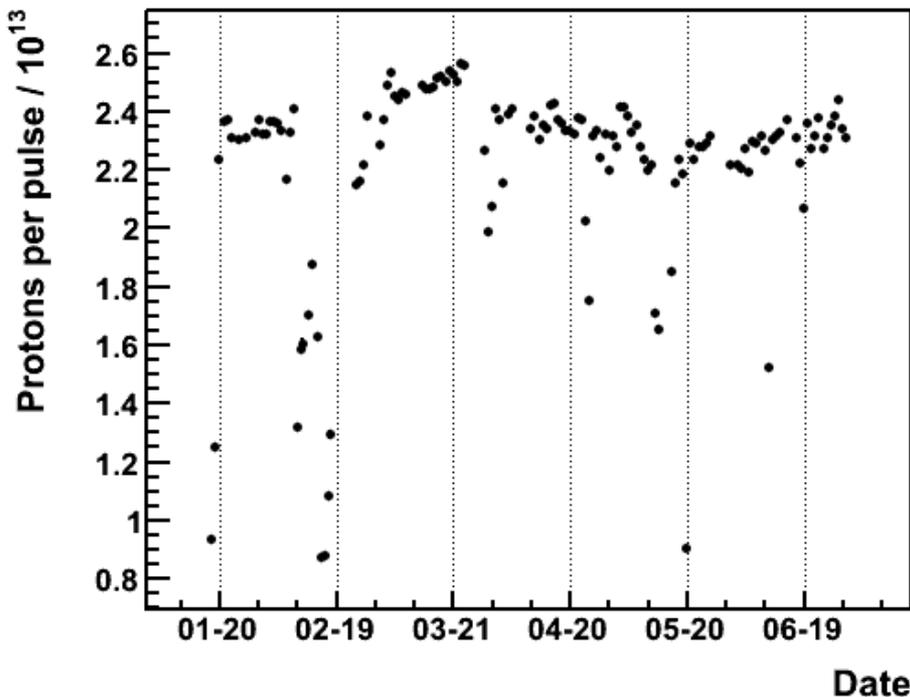
# DAQ computer failure



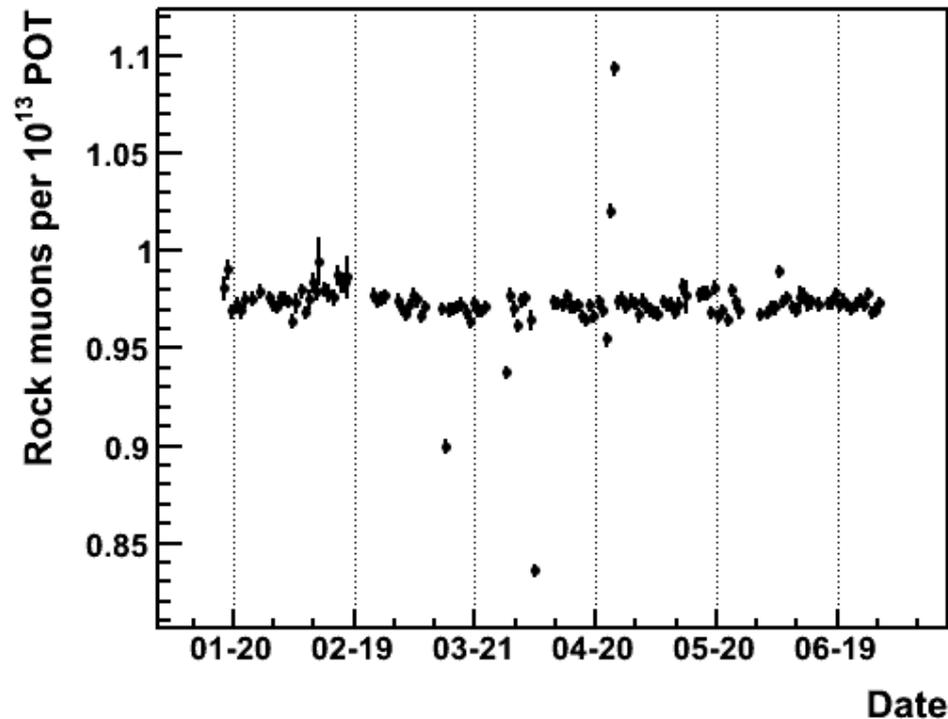
- As reported last week, the 85% efficiency for July 3 was due the DAQ computer failure, mnvonline1.
- The replacement computer, mnvonline0, was swapped in.
- After the swap the DAQ worked except
  - Light Injection did not work, but we got it working on July 8. In fact the software commands that were run before July 8 should have gotten it running. We will do some investigation as to find out why they didn't work.
  - When mnvonline1 failed, its previous 24 hours of raw data files were not copied to Feynman for the offline program. This was not noticed immediately and these files were copied on July 7.
    - Notice that the raw files are copied immediately for the nearline programs, such as E-checklist, so we do save the raw files immediately.
  - DATA is fine when we started running with mnvonline0
- We have another spare computer in the MINOS Hall, in the Hot Spares Rack.



# Rock Muons/POT



POT/Pulse

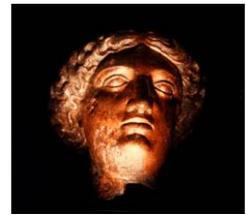


Rock Muons/POT

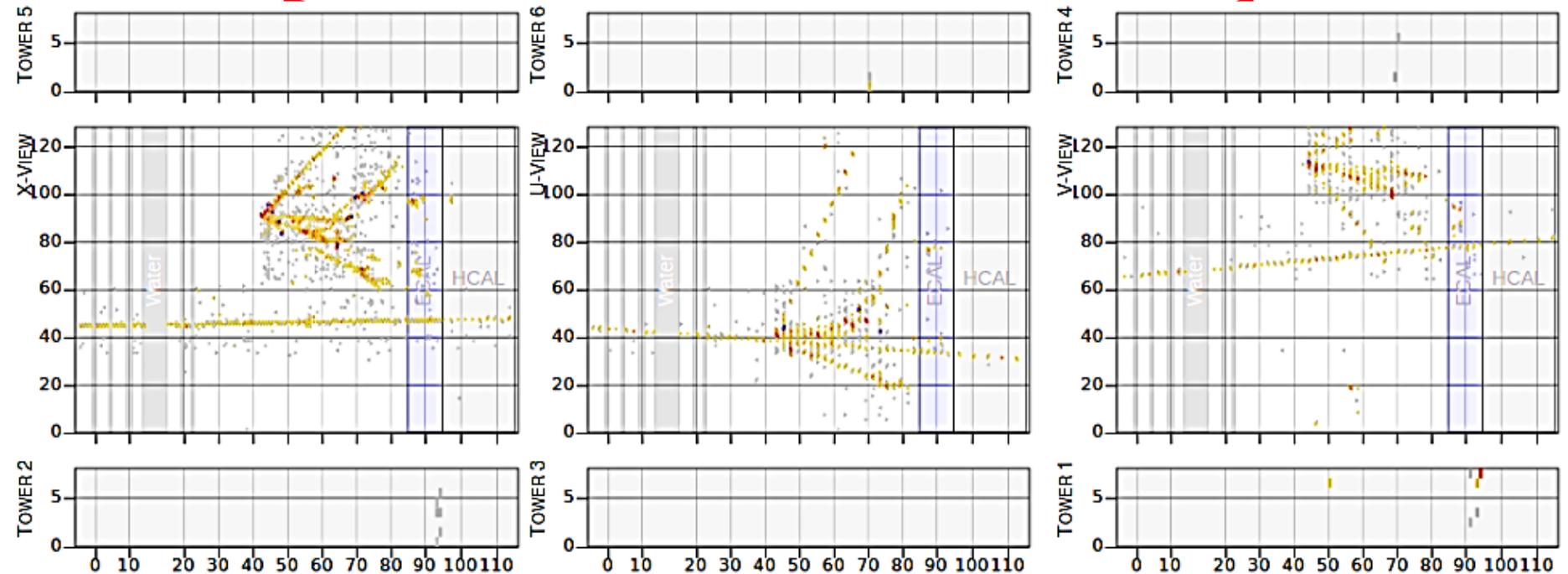
- These plots have not been up to date by about 6 days
- This was due to the computer swap and that some of the offline files did not get transferred until July 7.



# Event Display



Outer Calorimeter



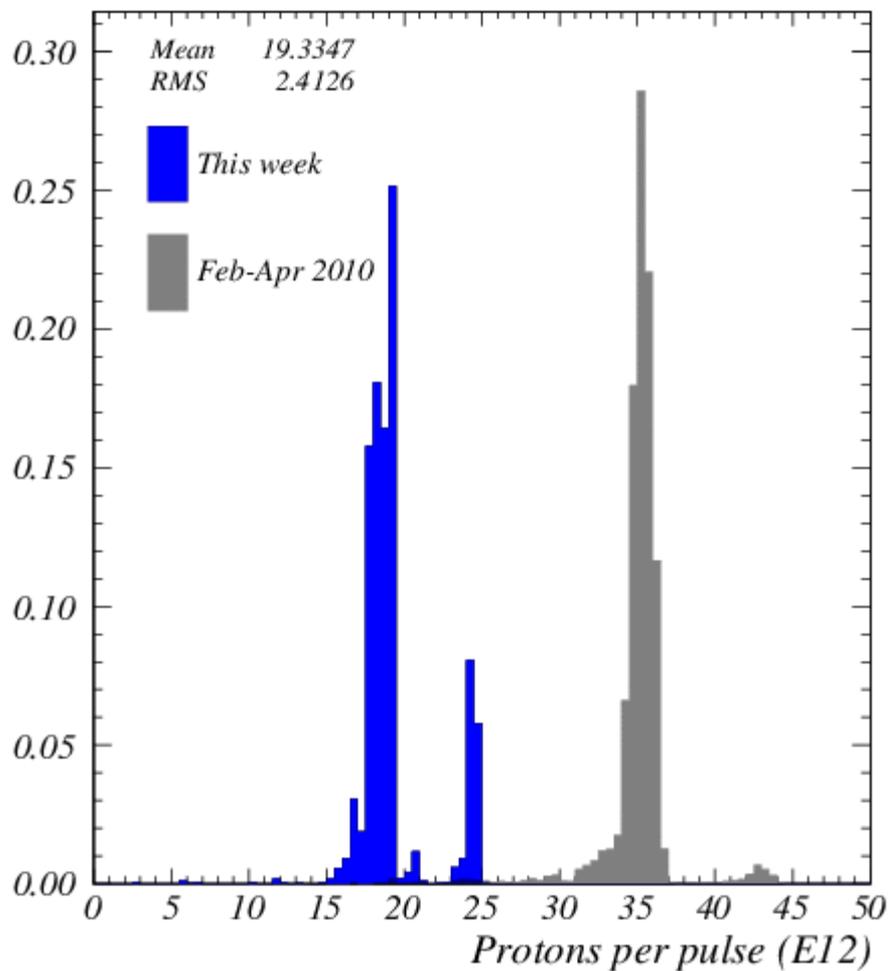
DIS Event & Straight Through Muon



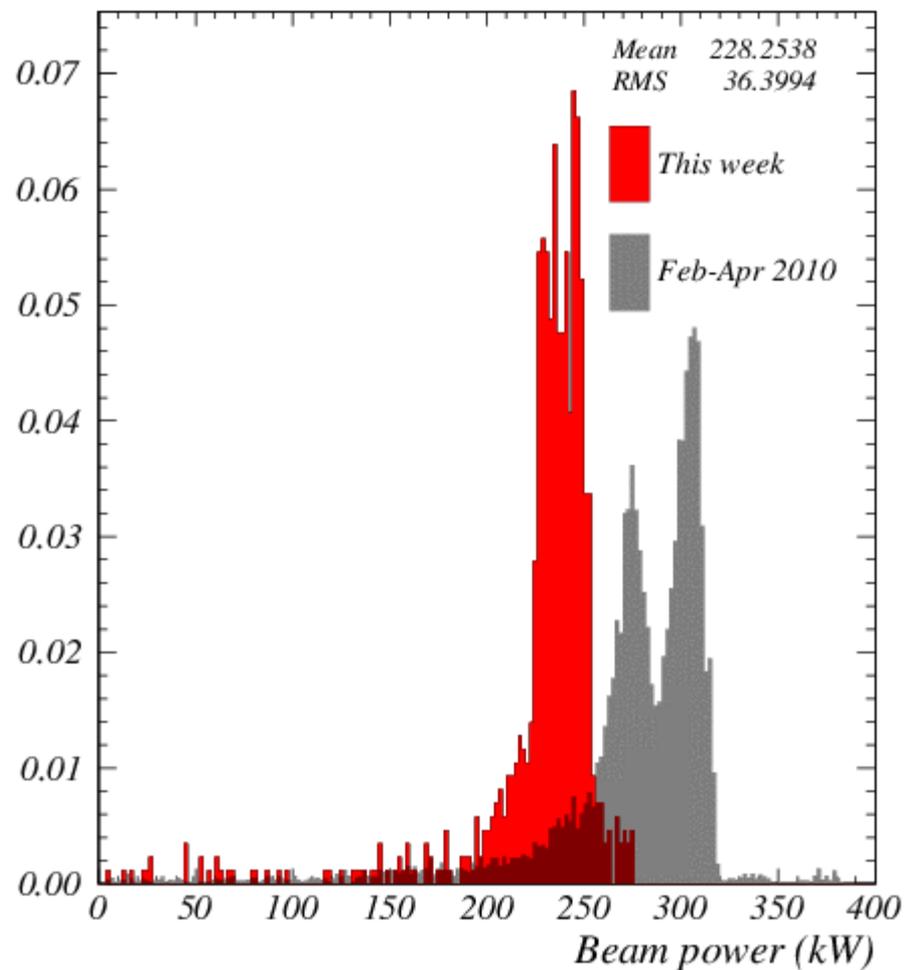
# NuMI Beam Plots



Week ending 00:00 Monday 14 July 2014

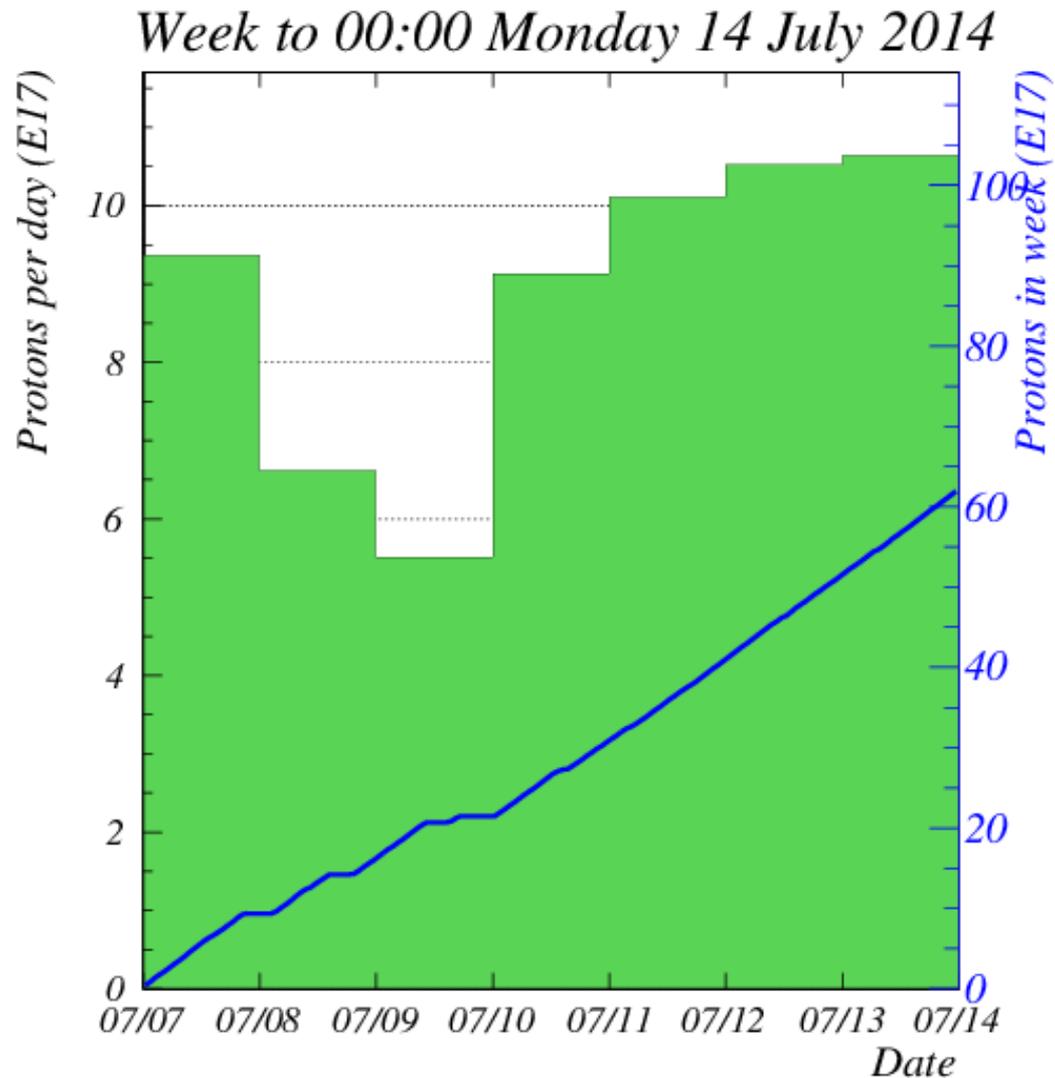


Week ending 00:00 Monday 14 July 2014

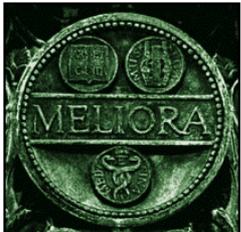




# Protons for the 2 Weeks



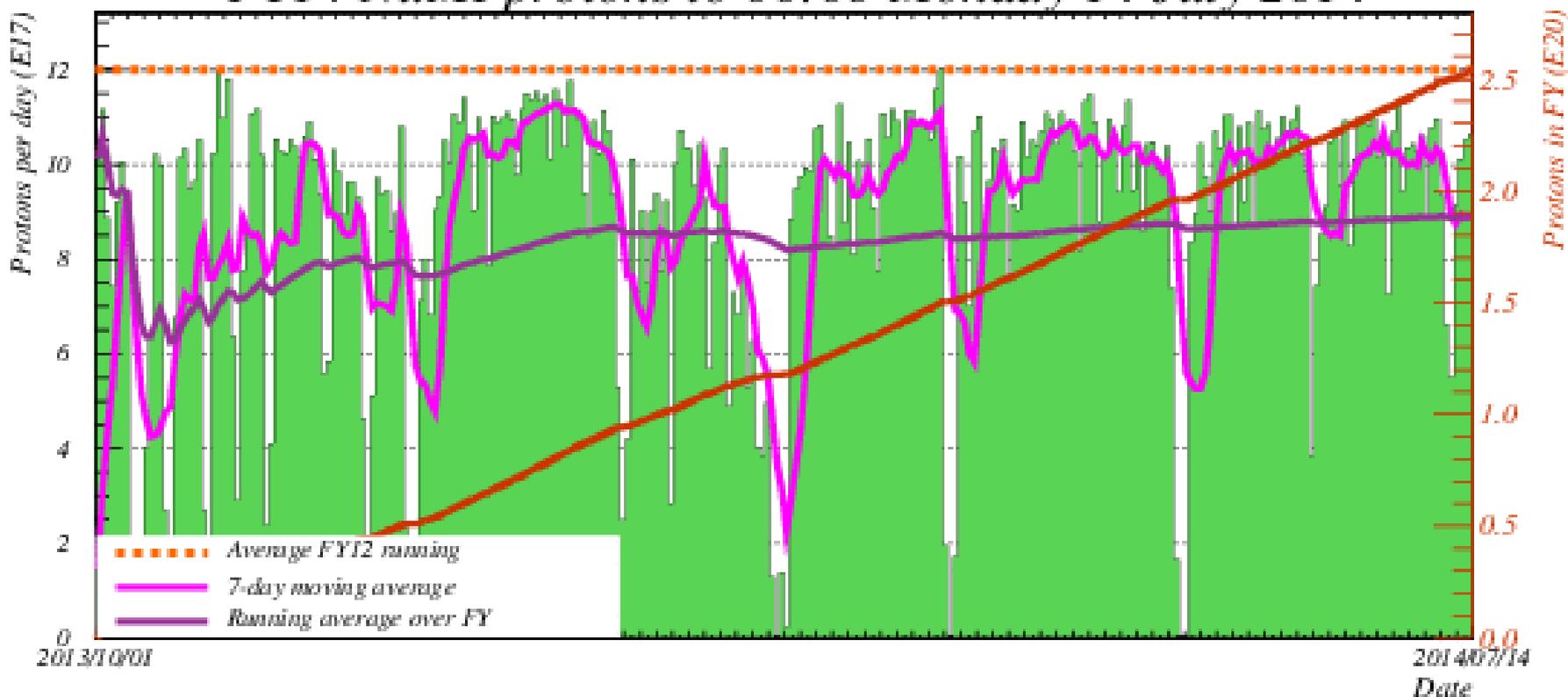
$0.62 \times 10^{19}$  POT  
July 7 - 13, 2014



# FY2014 Protons



*FY14 NuMI protons to 00:00 Monday 14 July 2014*



$25.41 \times 10^{19}$  POT

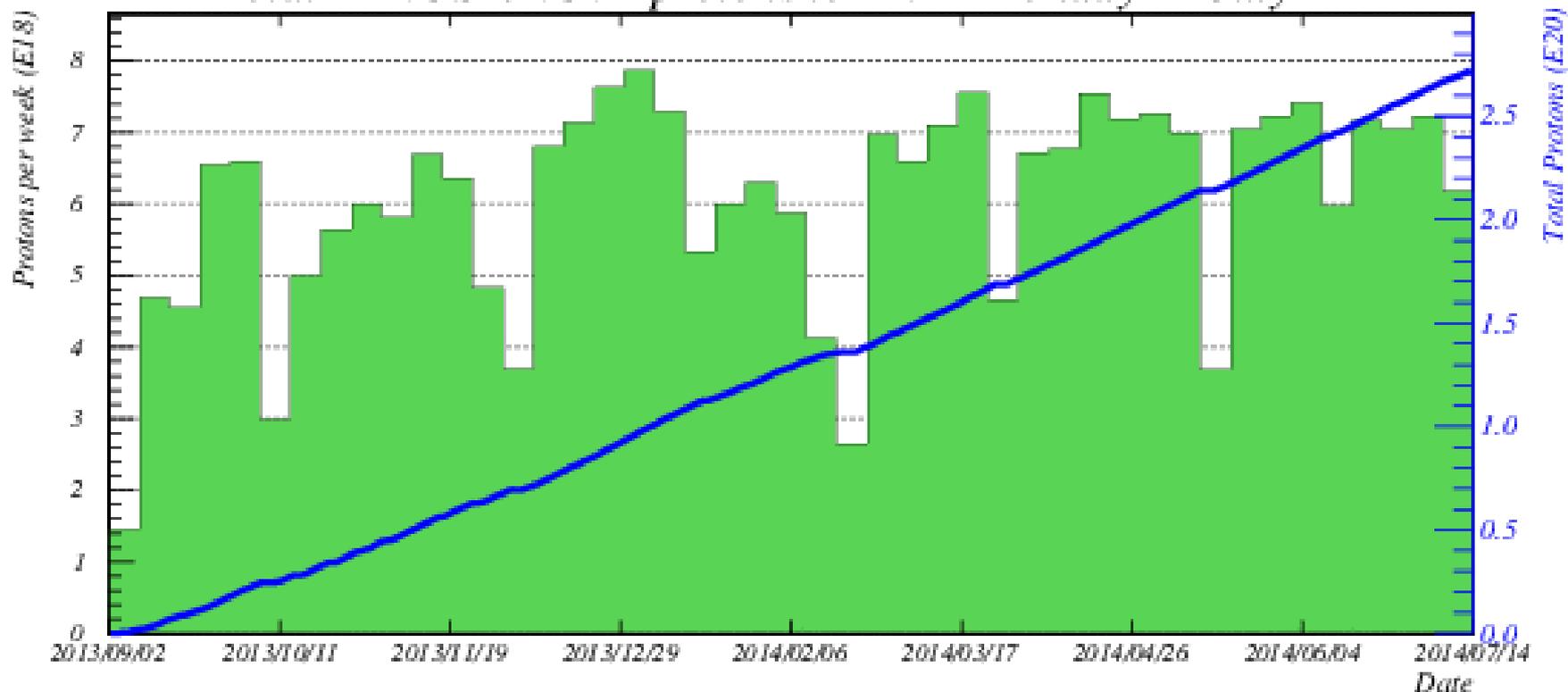
Oct 1 2013- July 13 2014



# Protons for ME Run



Total MINOS+/NOvA protons to 00:00 Monday 14 July 2014



$27.19 \times 10^{19}$  POT

Sep 6 2013 at 15:00 – July 13 2014