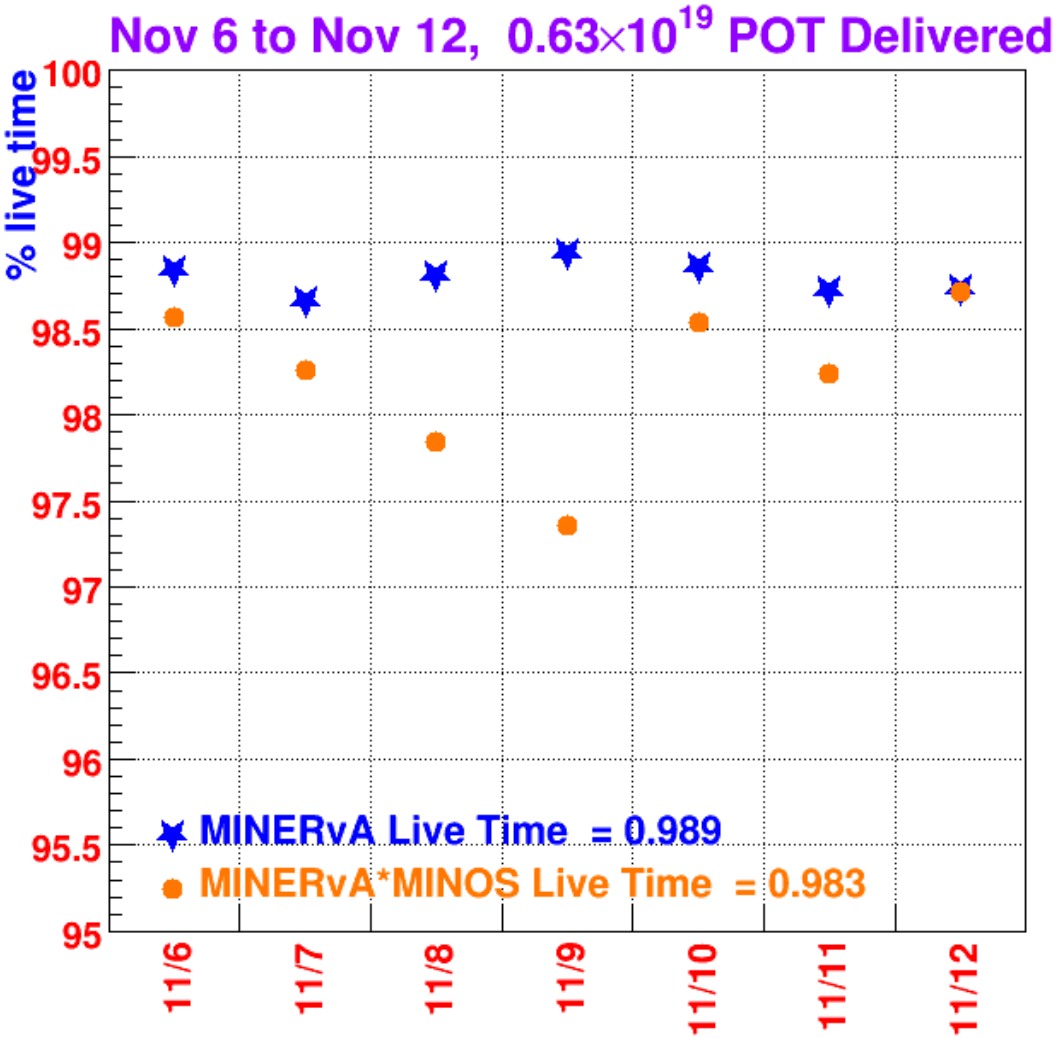
The MINERνA Operations Report
All Experimenters Meeting

Howard Budd, University of Rochester

Nov 17, 2014

ν Data

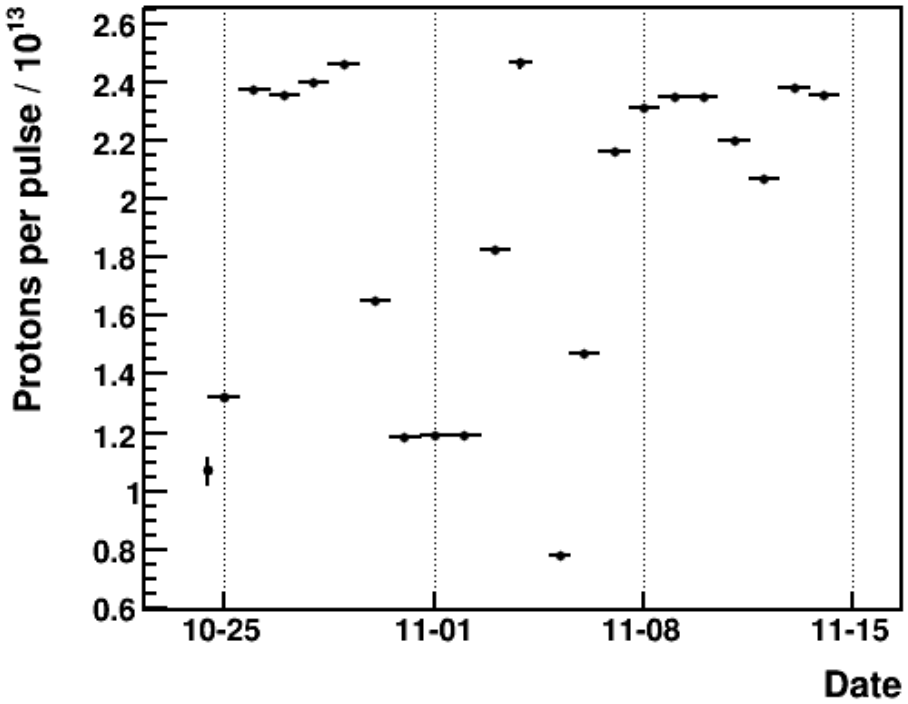


- Live time Nov 6-12.
  - Including MINERvA & MINOS*MINERvA live time
- MINERvA LT = 98.9%
- MINERvA*MINOS LT = 98.3%

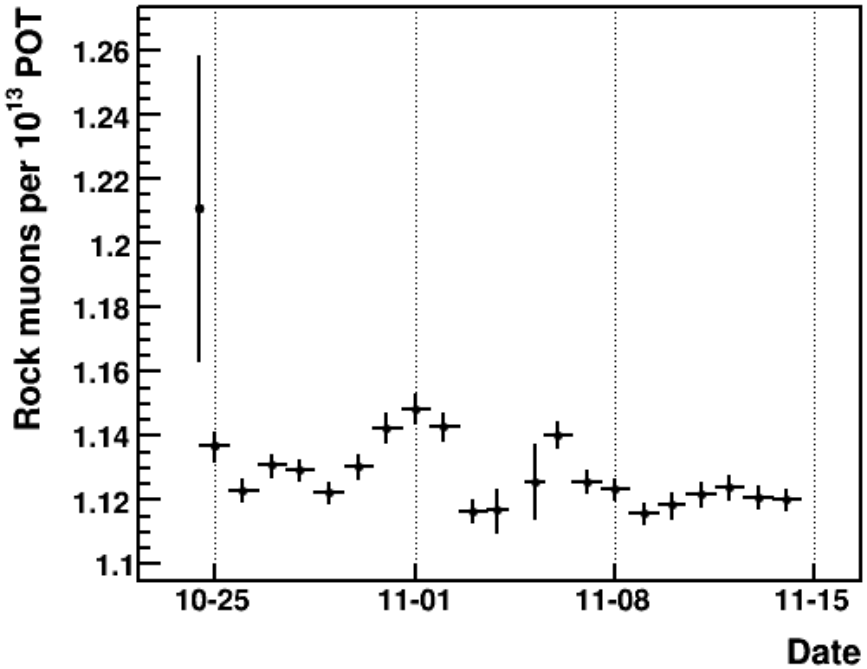
CROC-E Firmware Upgrade

- Last week
  - Every so often the DAQ would crash with a sequencer error
    - The sequencer is the firmware code in the CROC-E which reads out the FEBs. This code used to be in the DAQ code. Putting this code in the CROC-E speded up the DAQ
  - A fix was put in to skip to the next subrun when there was a sequencer error. The event with the bad data was not saved. The data in the new run was fine. Therefore all data for a run was good.
  - This introduced very small dead time (~ 0.1-0.2%) with a sequencer error roughly 1 every 1000 events
- We have increased the number of beam-ped subruns to account for this error. We loose ped events when a beam-ped subrun skips to a beam-li subrun.
  - Note for some subruns we take a ped event after a beam event and for others we take a light injection pulse after a beam event. Some subruns we just take a beam event without ped or LI event

Rock Muons/POT



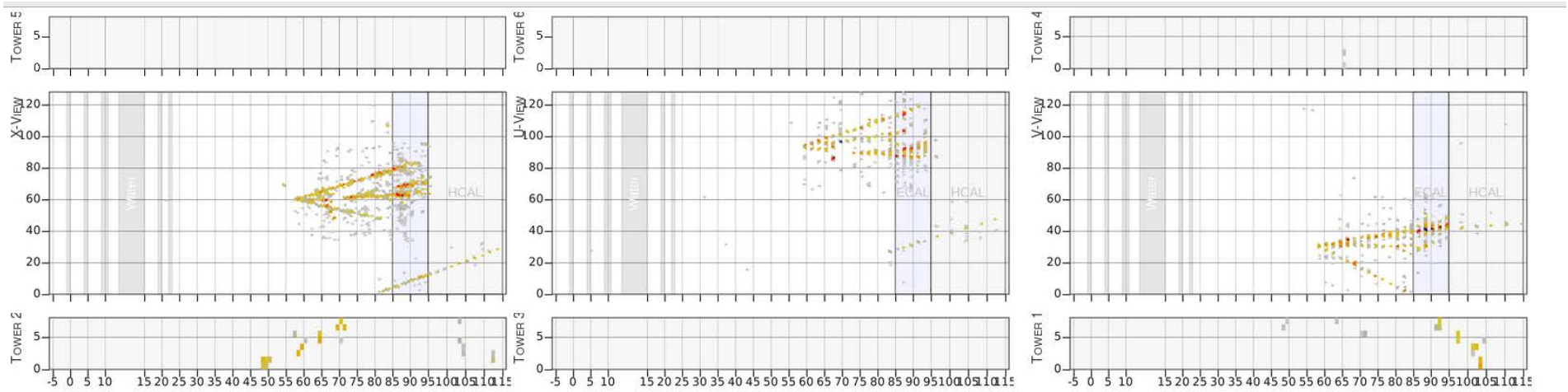
POT/Pulse



Rock Muons/POT

Event Display

Outer Calorimeter



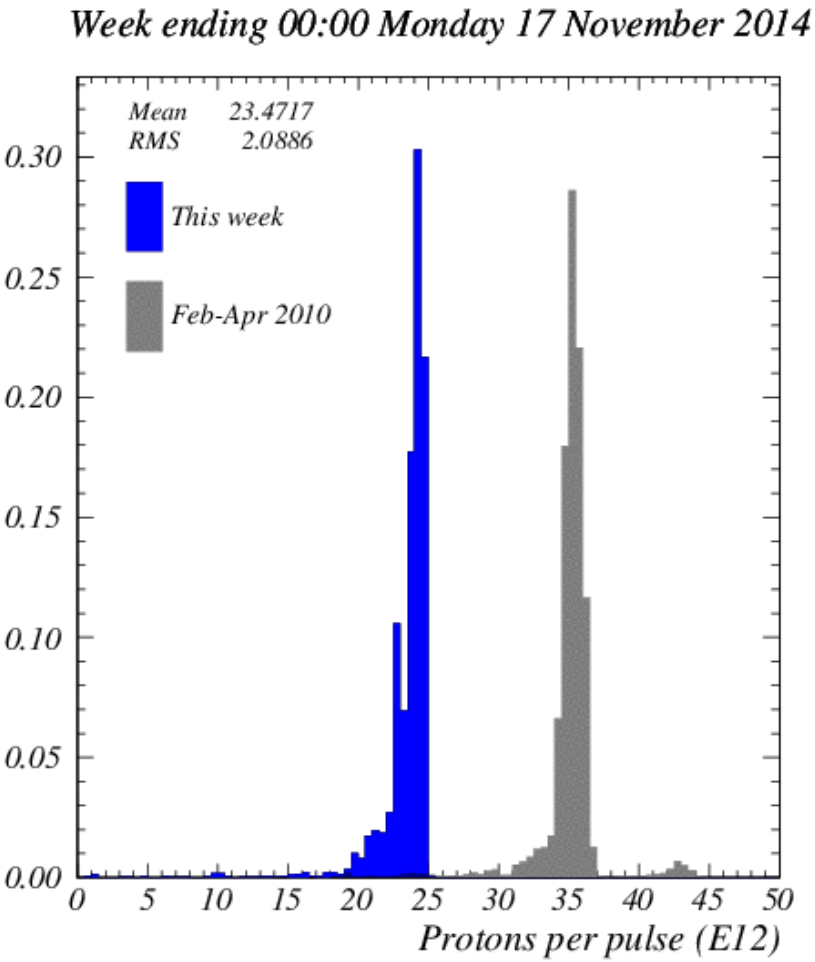
X View

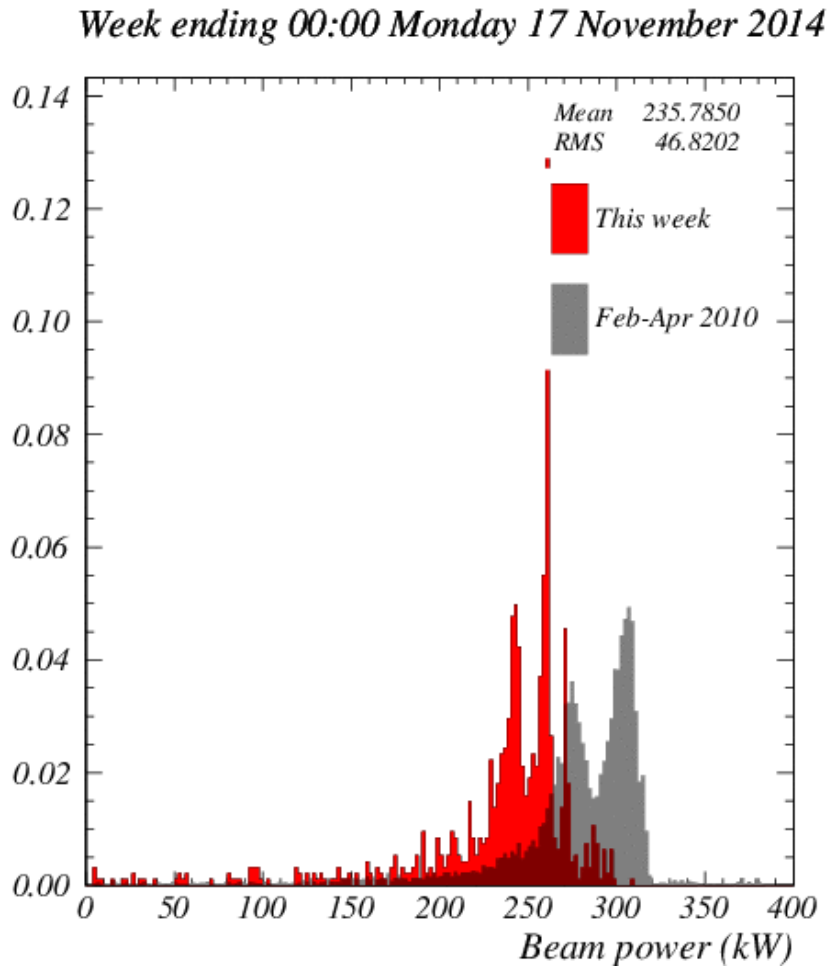
U View

V View

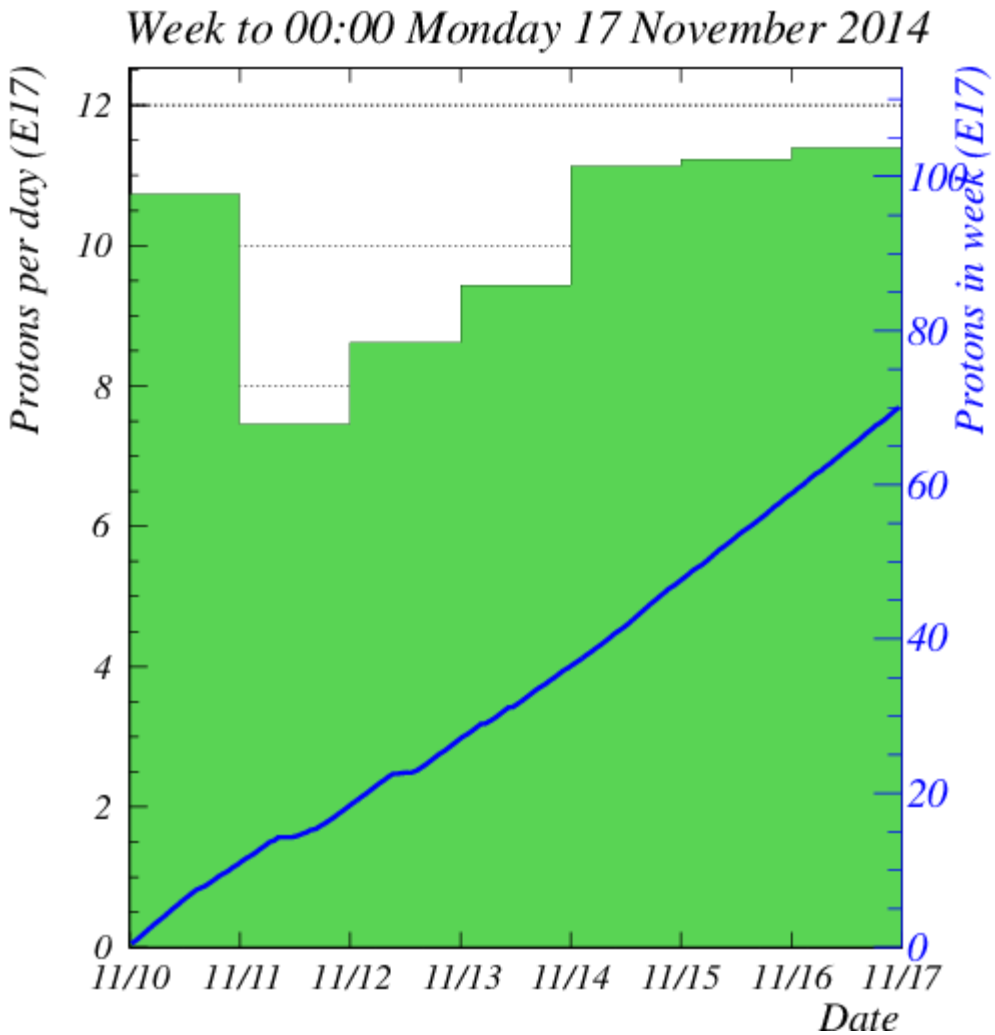
Tracker Event

NuMI Beam Plots
Oct 24-26



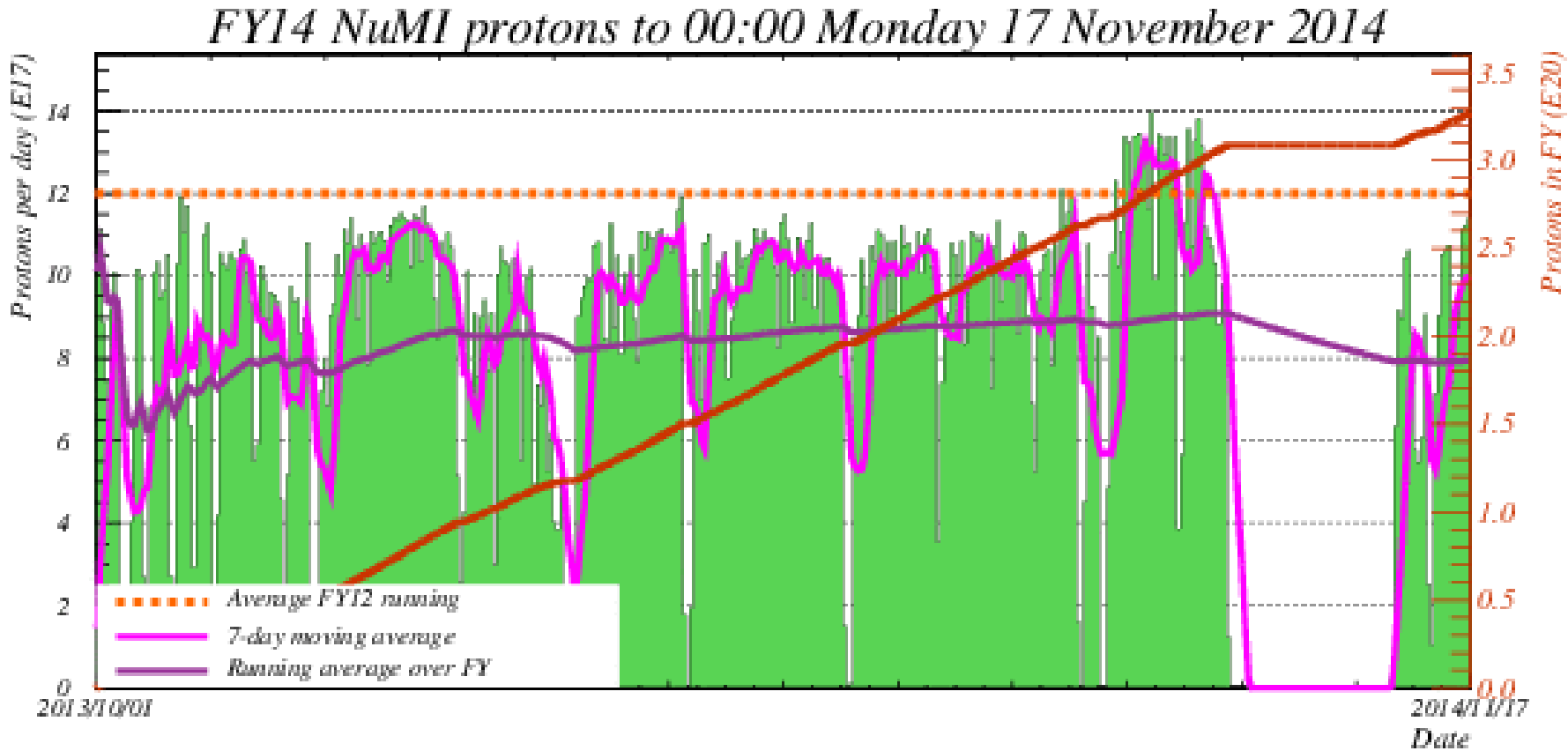


Protons for the Week



0.70×10^{19} POT
Nov 10-16

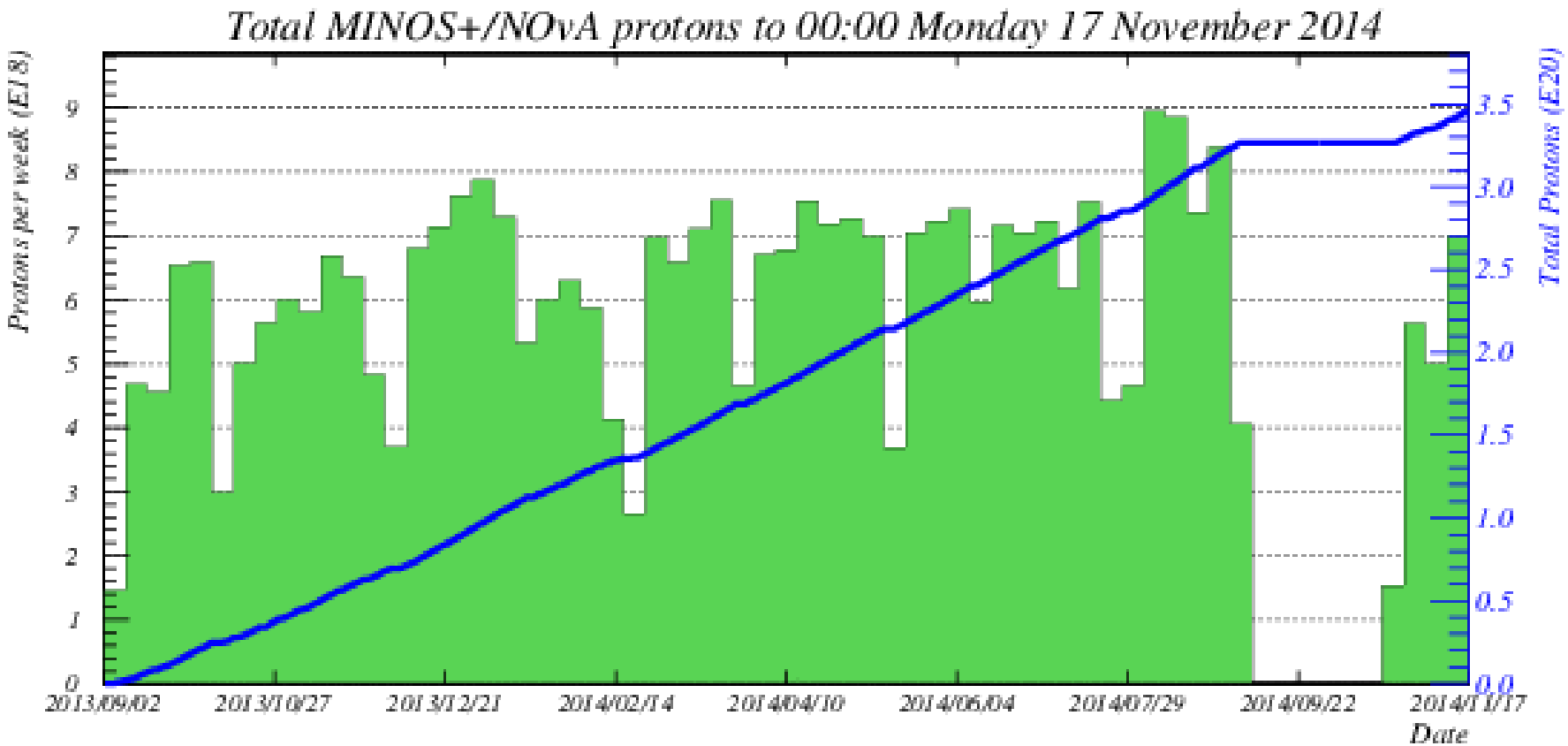
FY2014 Protons



33.75×10^{19} POT

Oct 1 2013 - Nov 16 2014

Protons for ME Run



34.53×10^{19} POT

Sep 6, 2013 at 15:00 – Nov 16, 2014