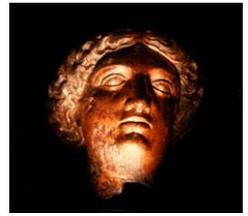


# The MINERvA Operations Report

## All Experimenters Meeting

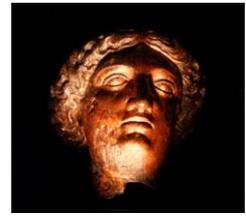
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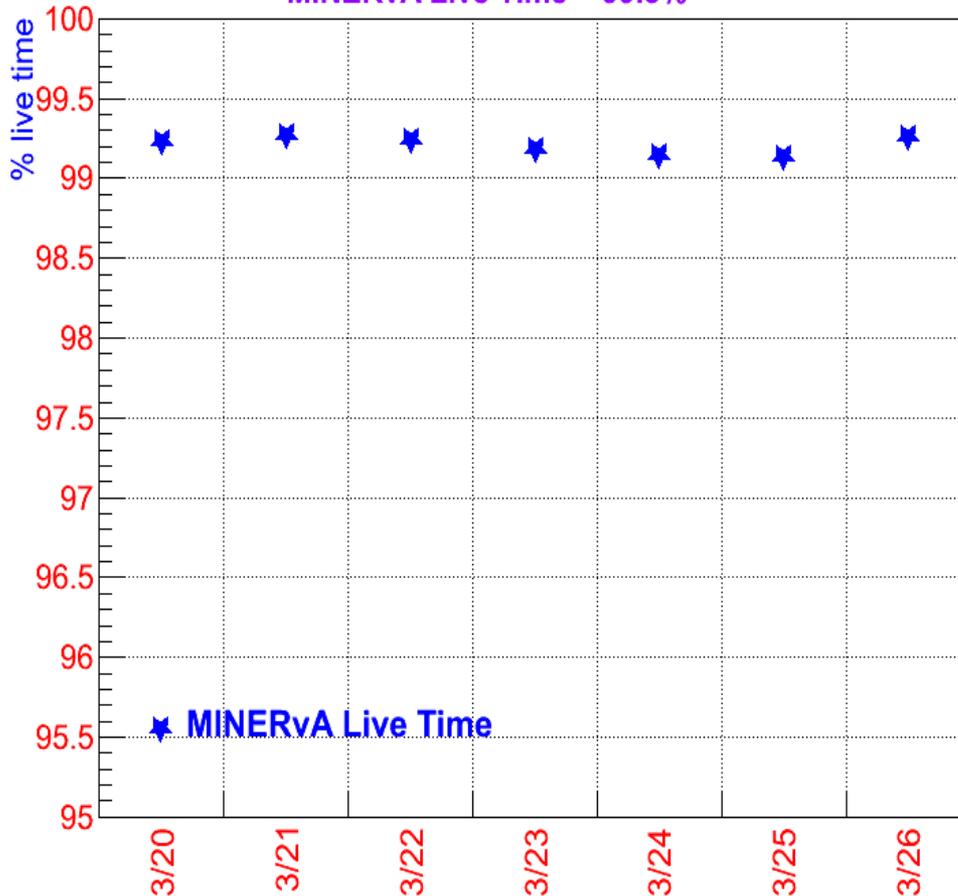
Maria Guadalupe Barrios Sazo, Universidad de Guanajuato  
March 31, 2014



# $\nu$ Data



Mar 20 to Mar 26,  $0.68 \times 10^{19}$  POT Delivered,  
MINERvA Live Time = 99.3%

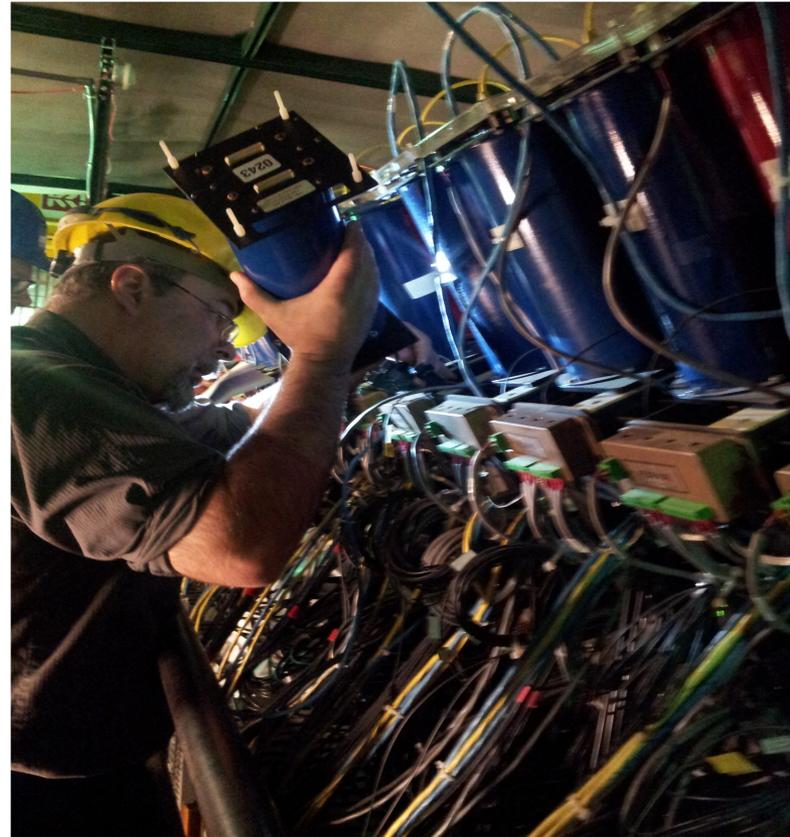


- MINERvA live time Mar 20-26
- On 26th the beam was shutdown at 4am.

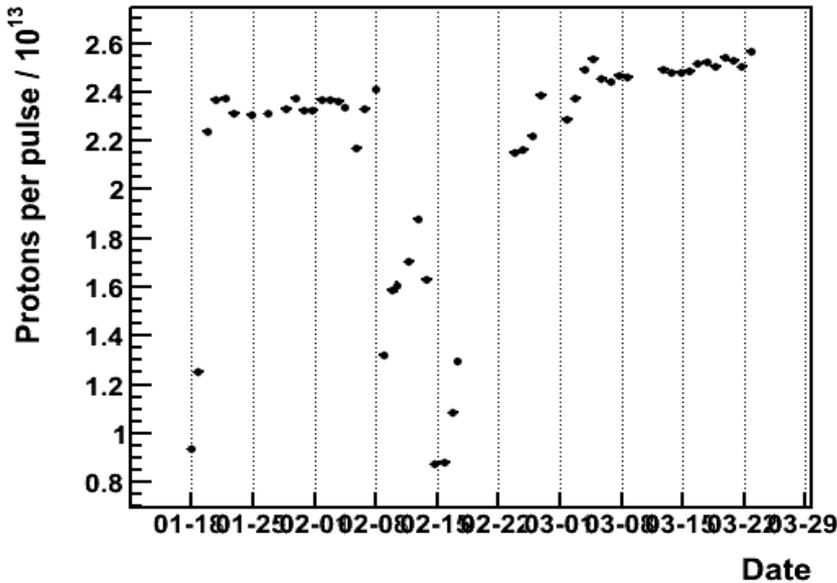
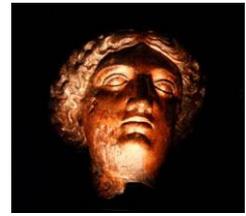
# Shutdown



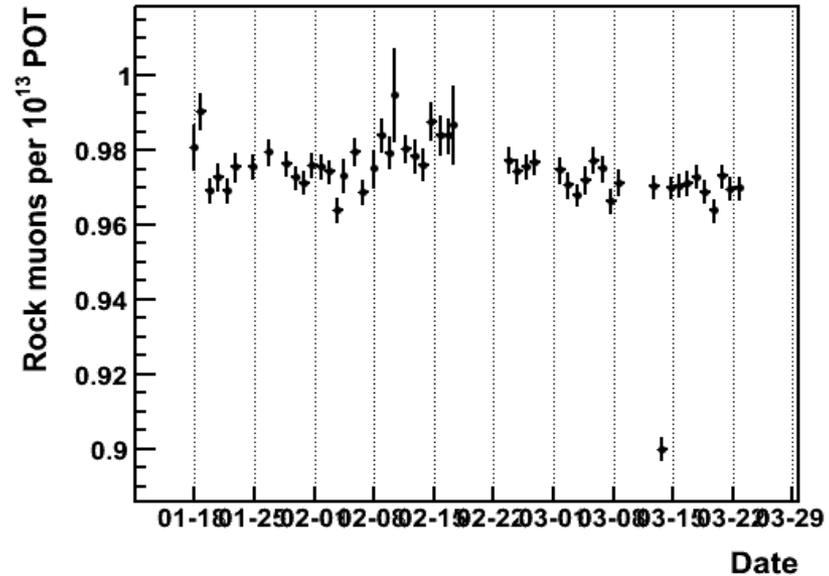
- During last week shutdown we replaced one tube with the HV varying problem.
- There was an FEB with one dead channel which we also replaced.
- In addition, we swapped one FEB showing gain varying problem in light injection.
- Thanks to Steve Chappa, Kevin Kuik and Dan Ruggiero.



# Rock Muons/POT



POT/Pulse



Rock Muons/POT

Rock muon monitoring plots have not been available since March 27<sup>th</sup> because there are too many jobs in the high priority queue.

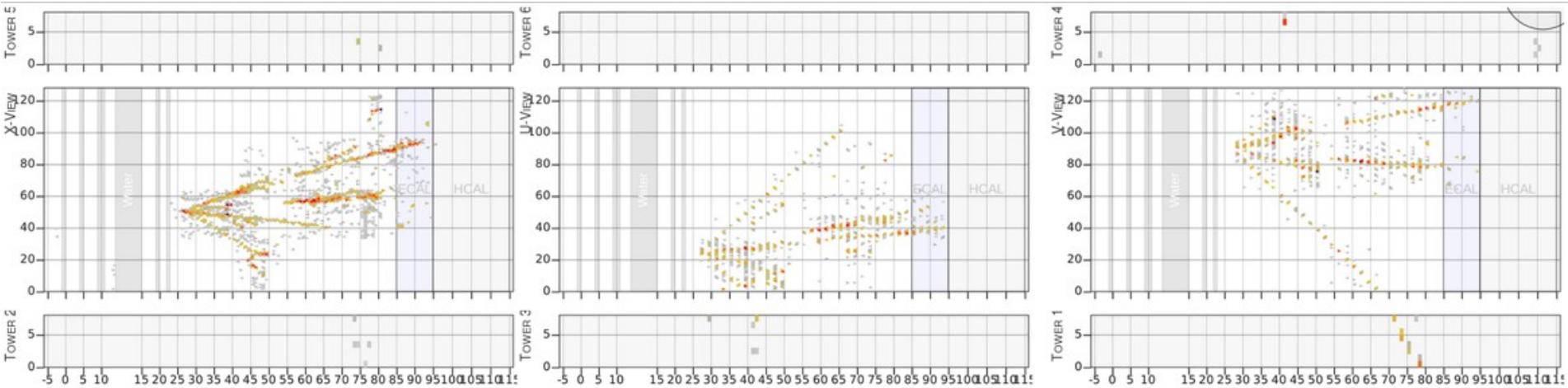
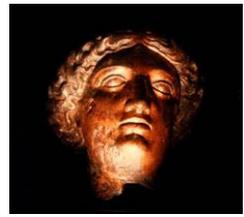
A ticket has been open to give higher priority to the nightly monitoring jobs with 100 slots.

# Muon Monitor 4 (MM4)



- MM4 was connected up to the main muon and hadron monitor helium gas line with no problem.
- A horn current scan was done on March 29
  - The response of the hadron monitor and muon monitors is measured as a function of the horn current.
  - The LBNE muon monitor in Alcove 2 took data during the scan. This detector uses a Cerenkov detector instead of an ionization chamber.
  - Detailed report on horn current scan will be given in future AEM update
  - This scan took place thanks to Jim Hysten, Alberto Marchionni and Joseph Gomilar

# Event Display

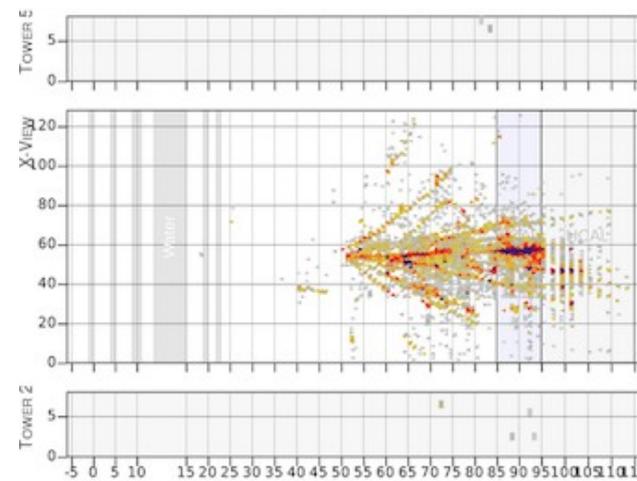
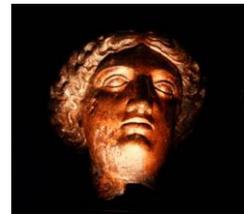


X View

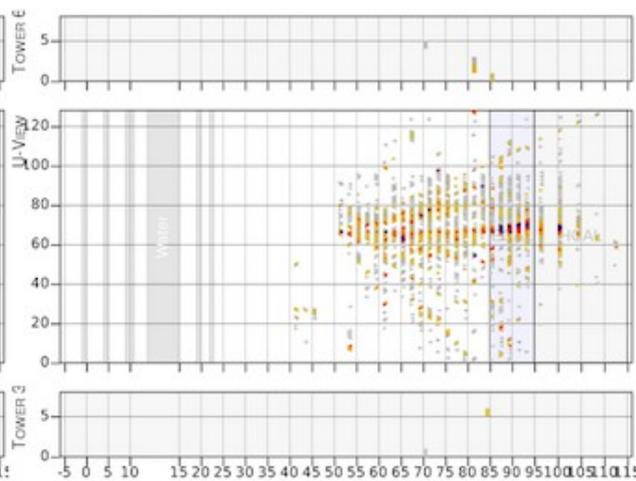
U View

V View

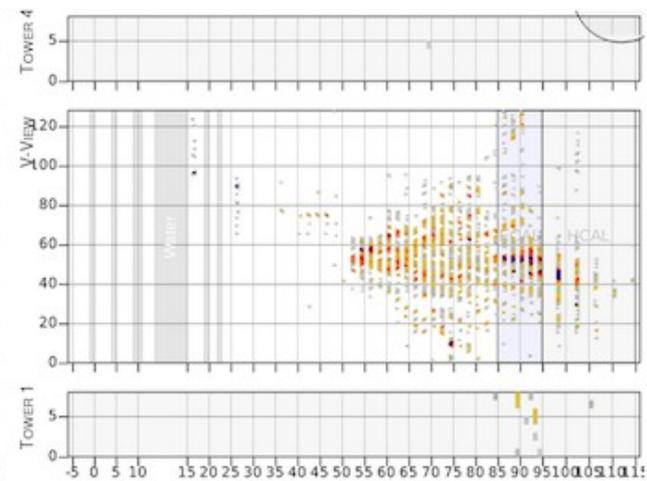
# Event Display



X View



U View

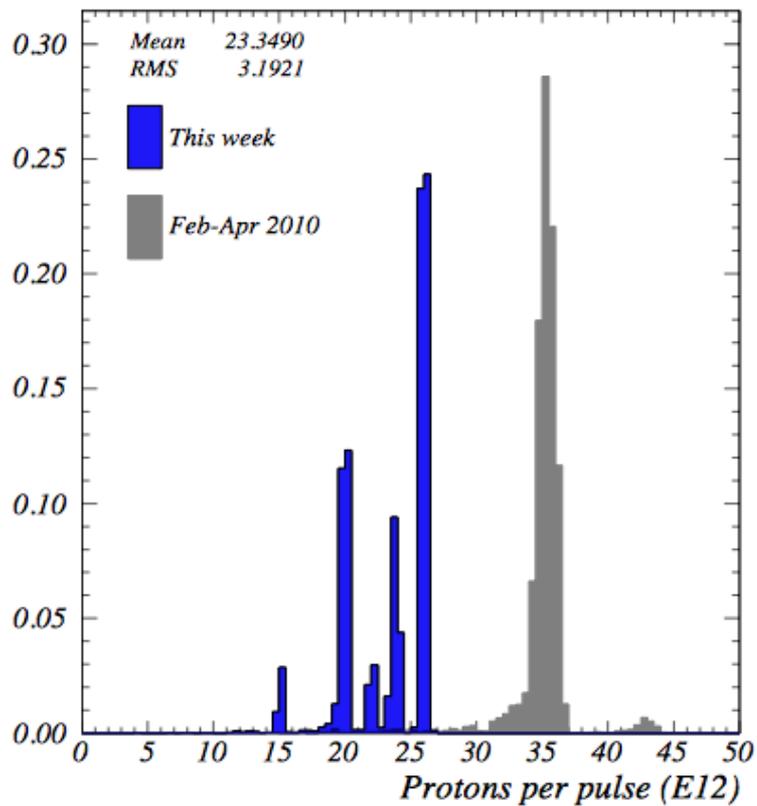


V View

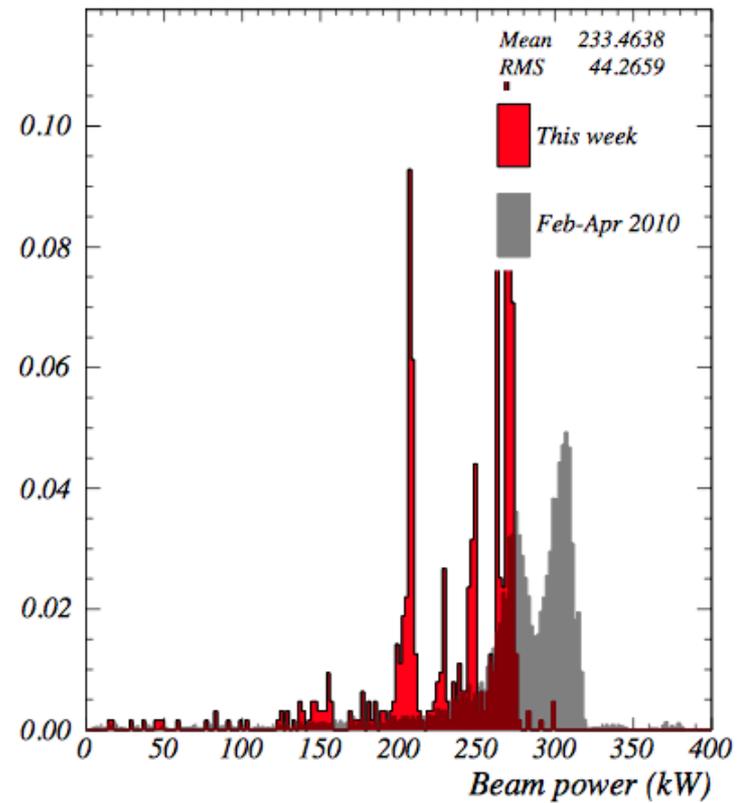
# NuMI Beam Plots



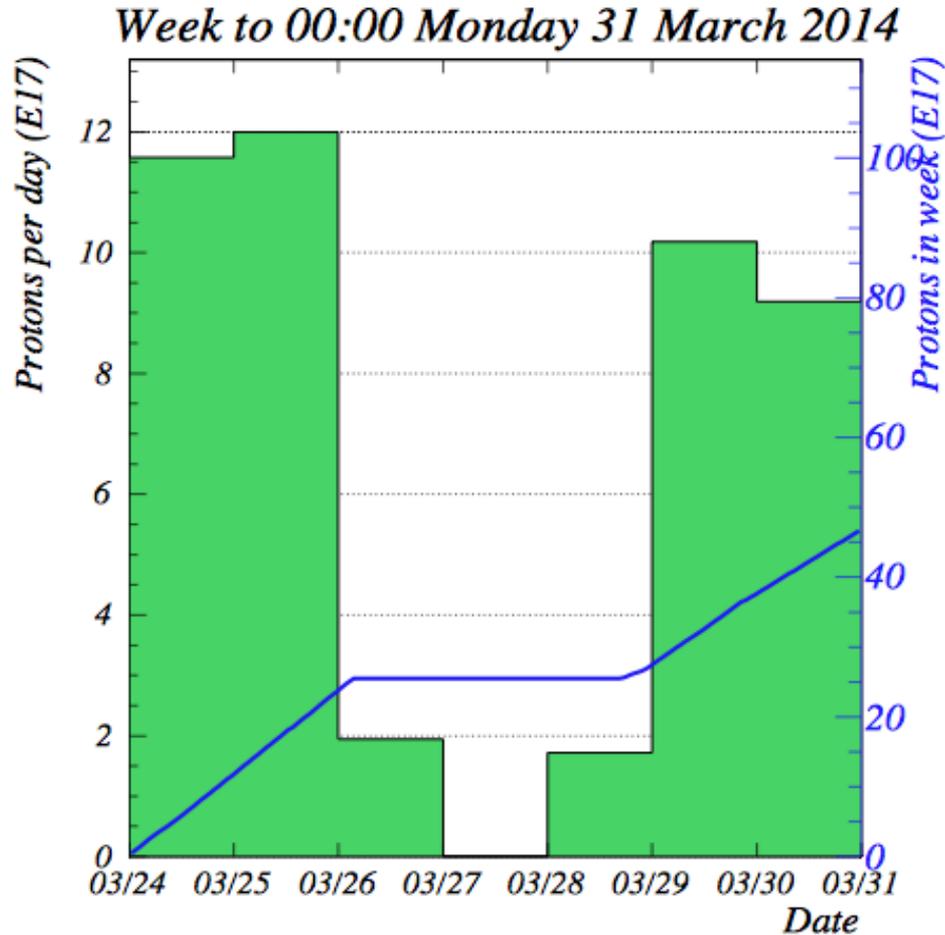
Week ending 00:00 Monday 31 March 2014



Week ending 00:00 Monday 31 March 2014



# Protons for the Week

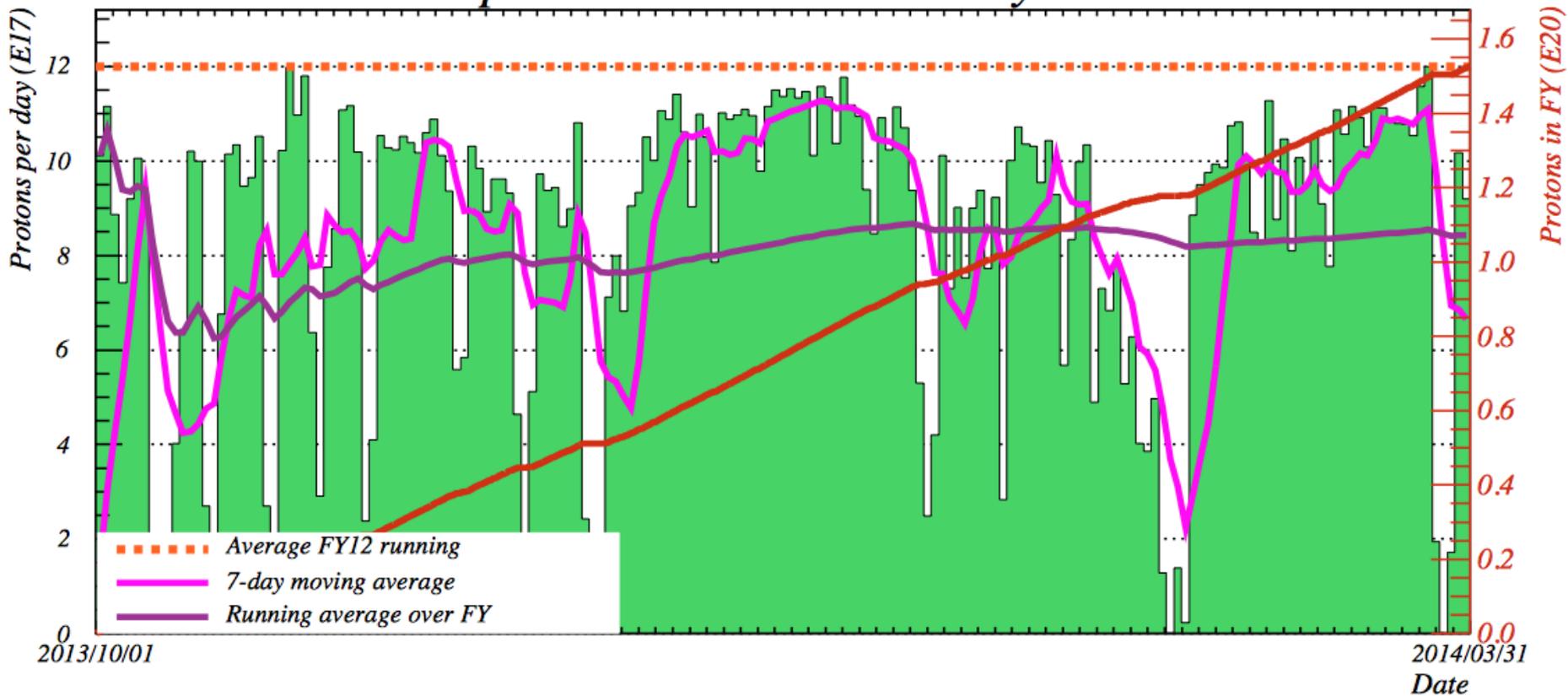


$0.47 \times 10^{19}$  POT  
Mar 24-30 2014

# FY2014 Protons



*FY14 NuMI protons to 00:00 Monday 31 March 2014*



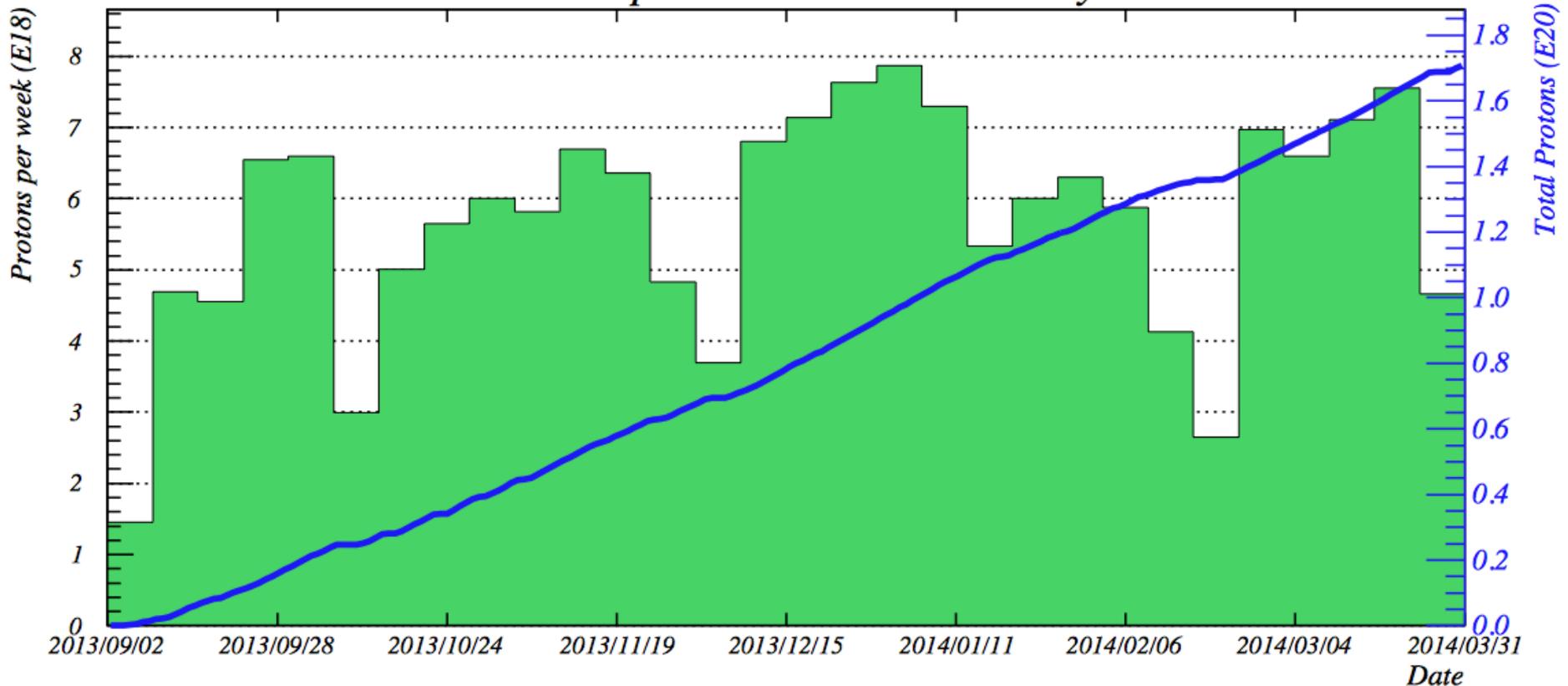
$15.27 \times 10^{19}$  POT

Oct 1 2013- Mar 30 2014

# Protons for ME Run



*Total MINOS+/NOvA protons to 00:00 Monday 31 March 2014*



$17.04 \times 10^{19}$  POT

Sep 6 2013 at 15:00 – Mar 30 2014