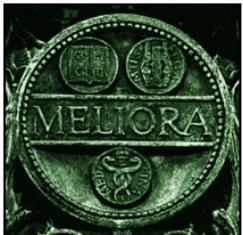


The MINERvA Operations Report

All Experimenters Meeting

Howard Budd, University of Rochester
Oct 17, 2011

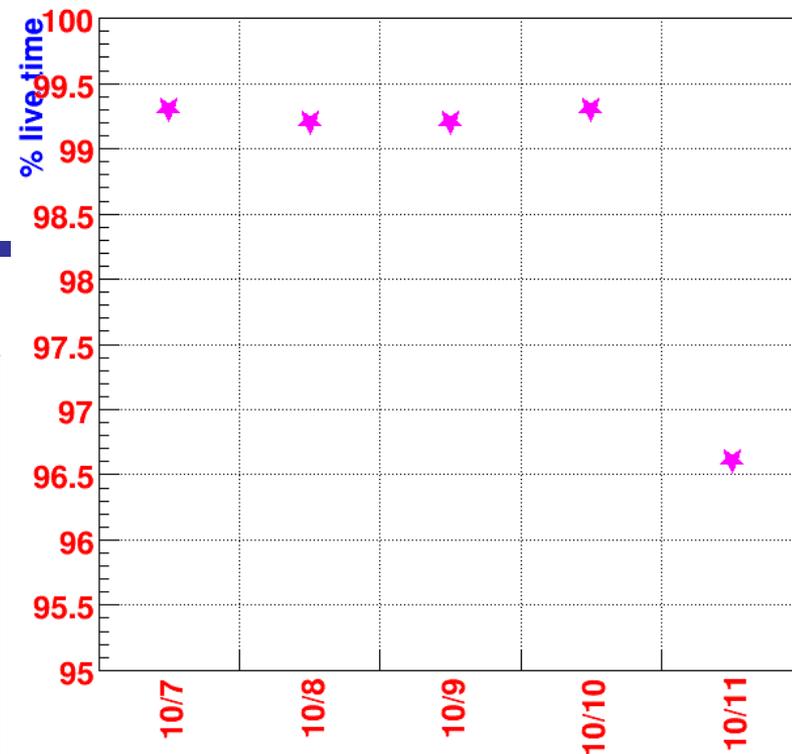




ν Data

% live time Oct 7-11

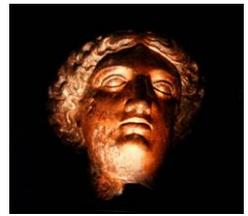
Date	POT Recorded	POT Delivered	Live Time
7-Oct-2011	1.37E+18	1.38E+18	99.3%
8-Oct-2011	1.39E+18	1.40E+18	99.2%
9-Oct-2011	1.32E+18	1.33E+18	99.2%
10-Oct-2011	1.27E+18	1.28E+18	99.3%
11-Oct-2011	1.02E+18	1.05E+18	96.6%
Total	6.37E+18	6.44E+18	98.8%



- Move to LE10 FHC 185 kA horn current on Oct 5, beam up on Oct 6
 - 1.38×10^{19} POT for ν , Oct 6-15
 - 0.90×10^{19} POT for ν , Oct 10-17
 - 0.923×10^{19} POT for ν , Oct 7-13, best 7 day period,
- 2.68×10^{19} POT with NT-07
- MINERvA live time Oct 7– Oct 11 – 98.8%
 - The Feynman computer outage has caused problem in understanding the live time Oct 12-13 and the MINOS live time



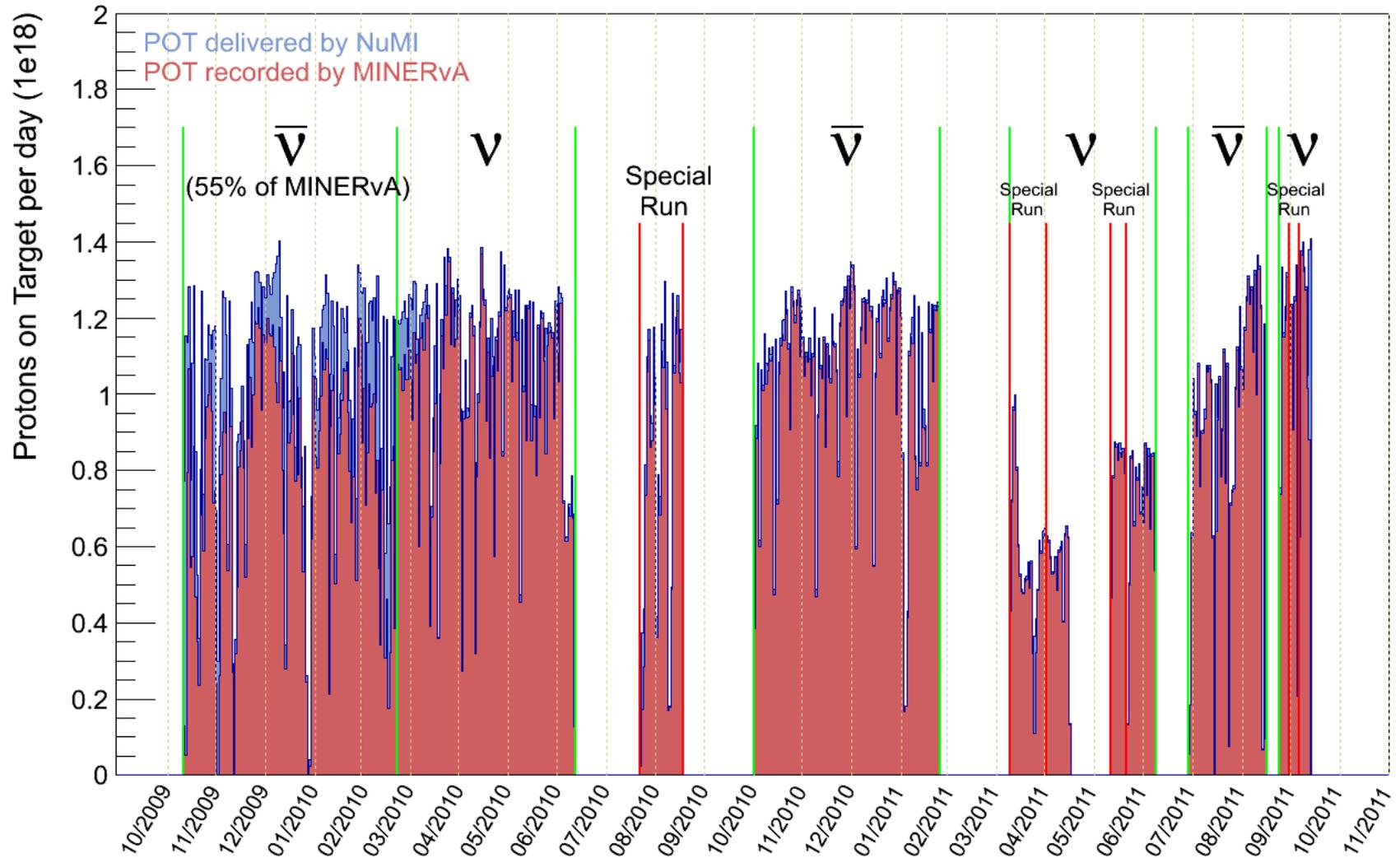
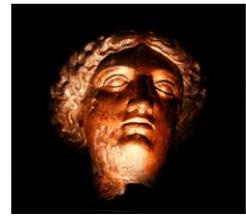
v Data



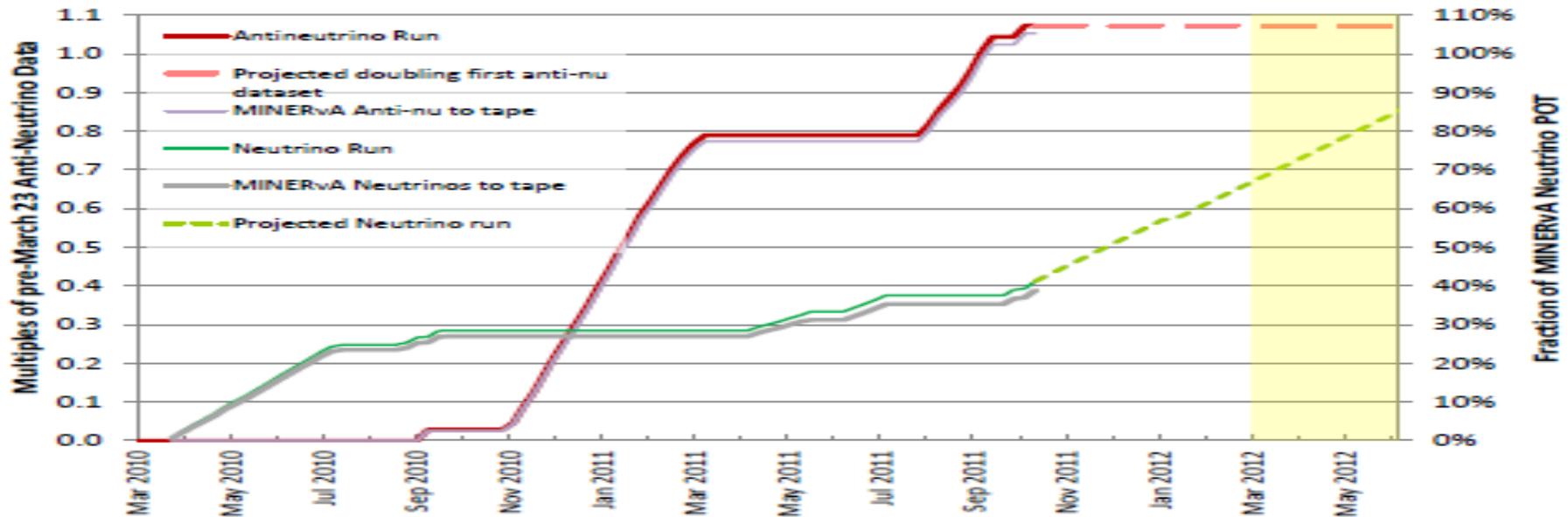
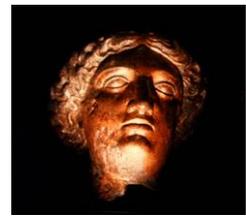
- Roughly, down 1 hour during the change over due to unanticipated problems when BlueArc went down.
 - Online monitoring went fine
 - The outage caused nearonline monitoring, which has higher statistics and uses DSTs, not to work.
- Running at $36\text{-}37 \times 10^{12}$ POT/pulse
 - Beam Permit is set to trip at 37.5×10^{12} POT
- Beam rate back to 2.2 seconds on Oct 15 as people are trying to understand why HV101 tripped off on temperature on Oct 15



MINER_vA POT/Day Nov 2009 - Present



Accumulated POT to Oct 13



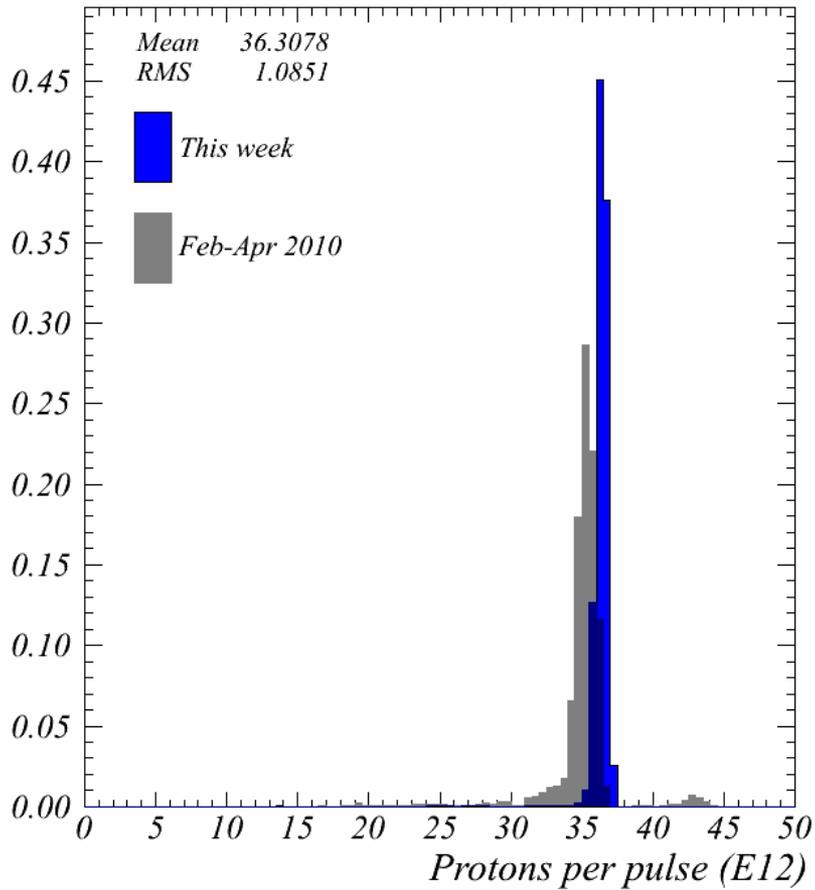
- Anti- ν run, full scale corresponds to 1.76×10^{20} POT
 - # POT for collected for anti- ν before Mar 23 10, official start of MINERvA ν run
- NT02 running gives enough anti- ν data for doubling of the 1st anti- ν data set.
- Minerva run, full scale corresponds to 4.9×10^{20} POT
 - # for which MINERvA project & experiment were reviewed & the detector built.
- Projected assumes 0.92×10^{18} POT/day
 - # POTs – average over the uptime during the past 1.5 years
 - Actual run plan not yet determined, this is one possible scenario



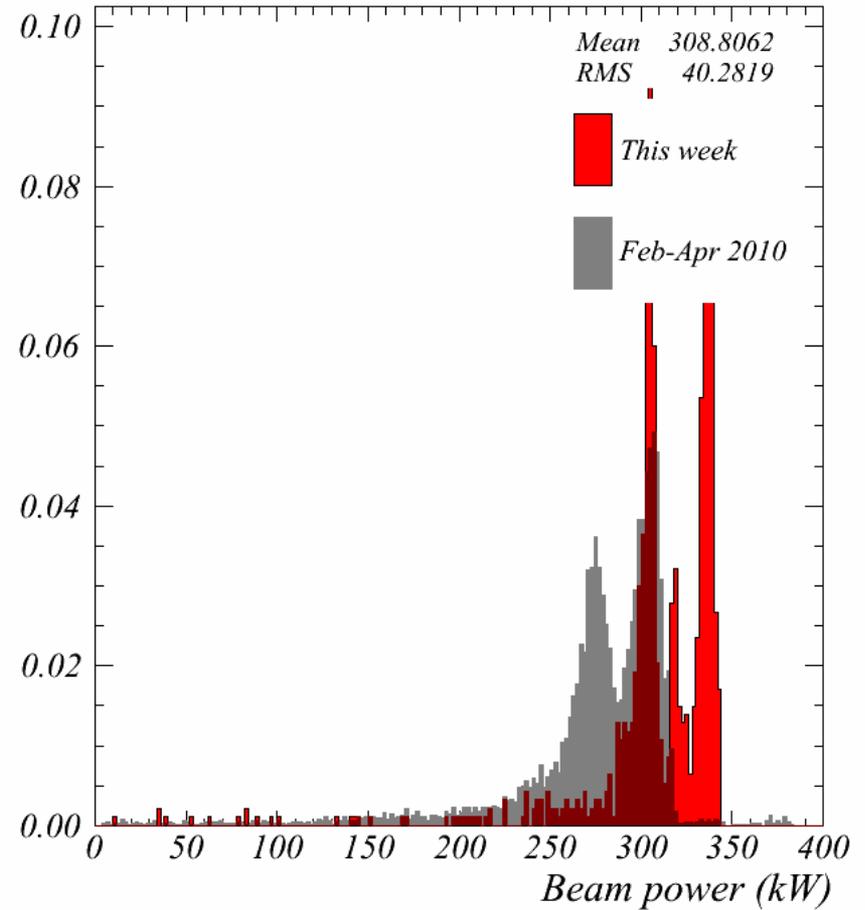
NuMI Beam Plots



Week ending 00:00 Monday 17 October 2011



Week ending 00:00 Monday 17 October 2011

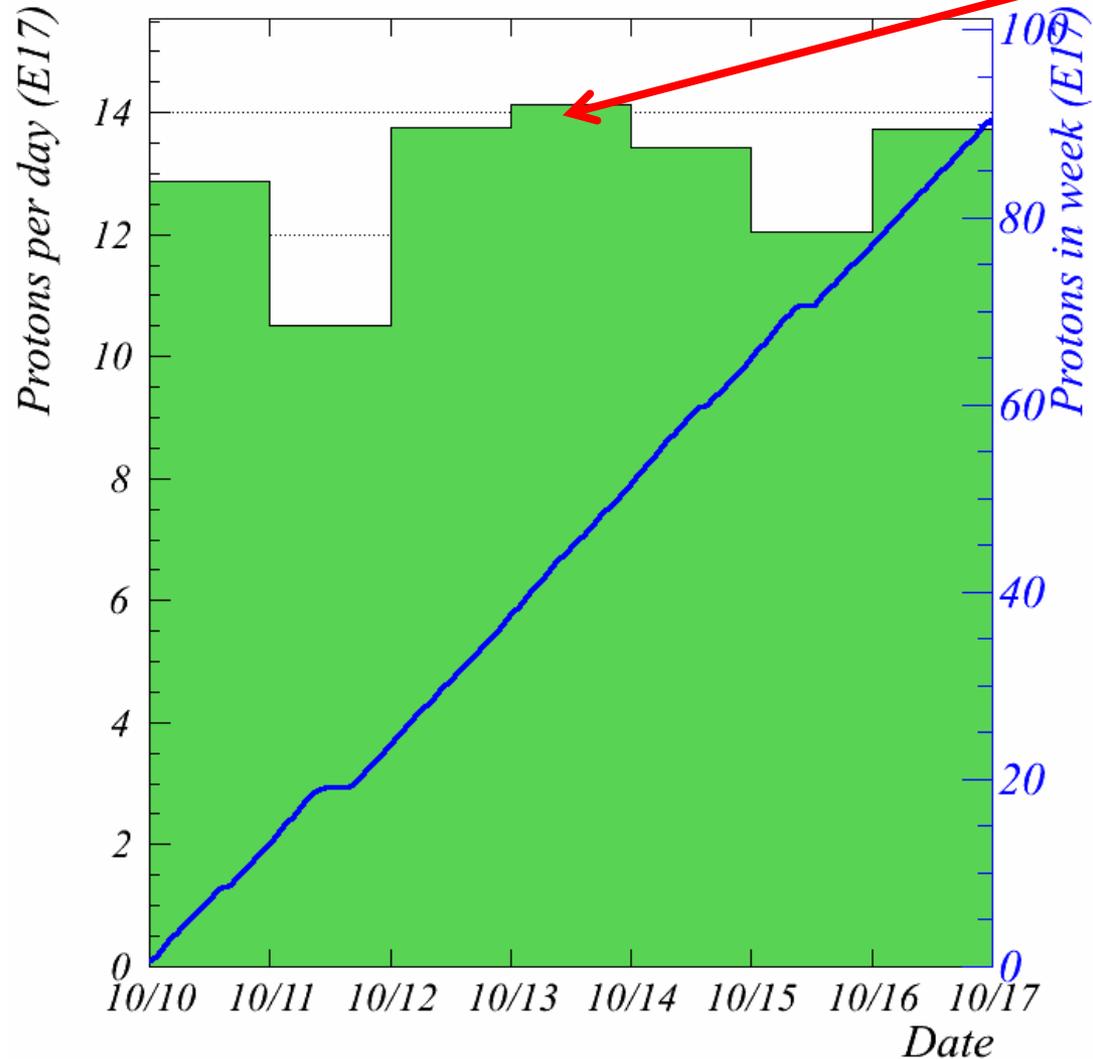




Protons for the Week



Week to 00:00 Monday 17 October 2011



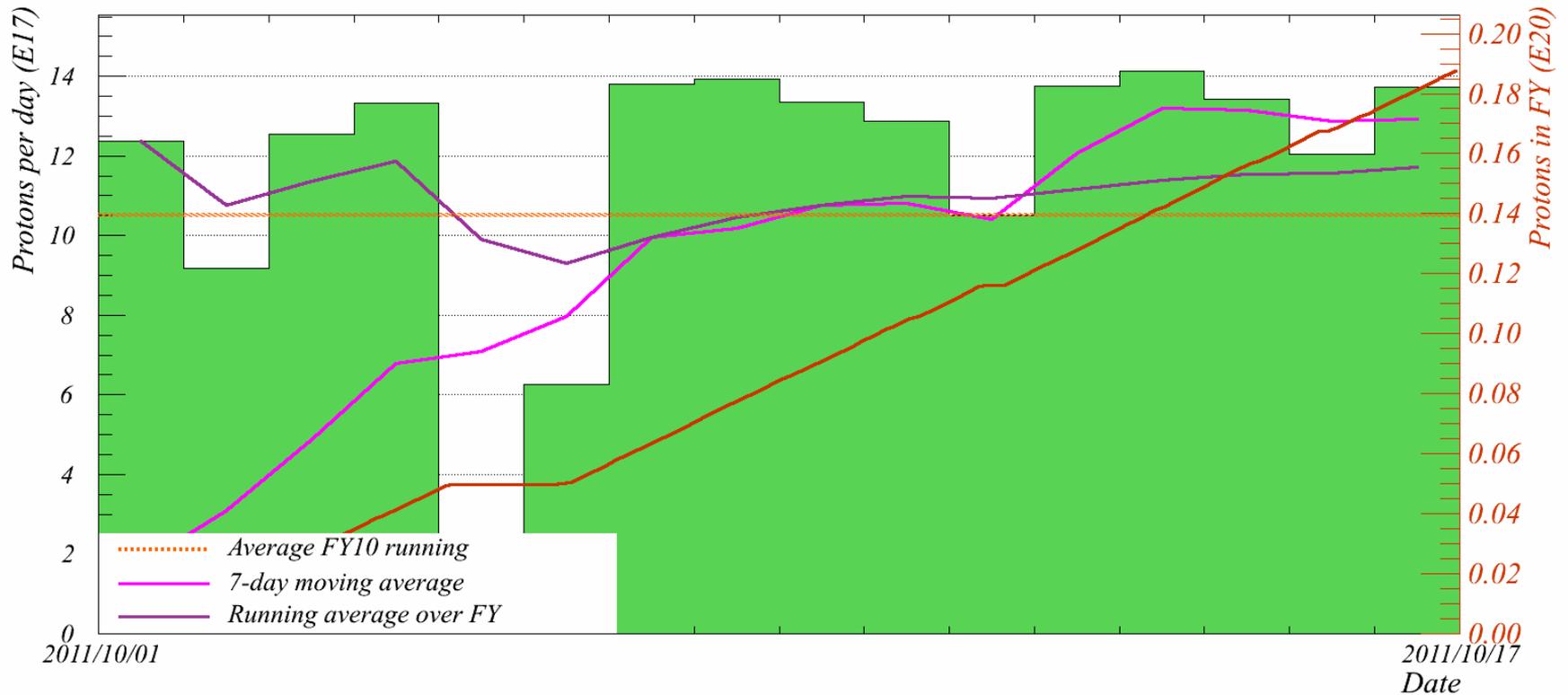
- 0.14078×10^{19} POT for
 - best 24 day
 - Beats out 0.14078×10^{19} POT on Jan 8 2010



FY2012 Protons



FY12 NuMI protons to 00:00 Monday 17 October 2011





NuMI Protons over History



Total NuMI protons to 00:00 Monday 17 October 2011

