

The MINERvA Operations Report

All Experimenters Meeting

Howard Budd, University of Rochester
Oct 3, 2011

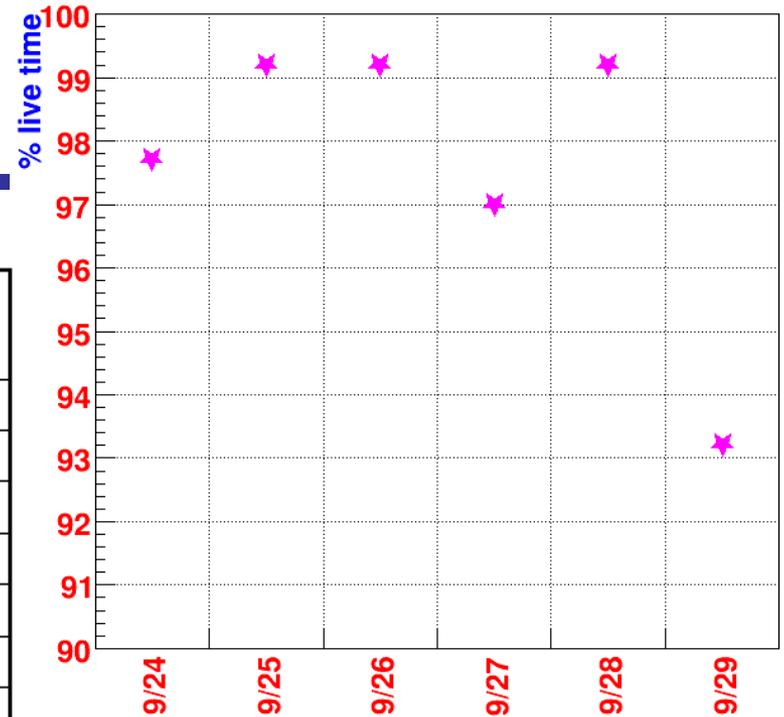




v Data

% live time Sep 24-29

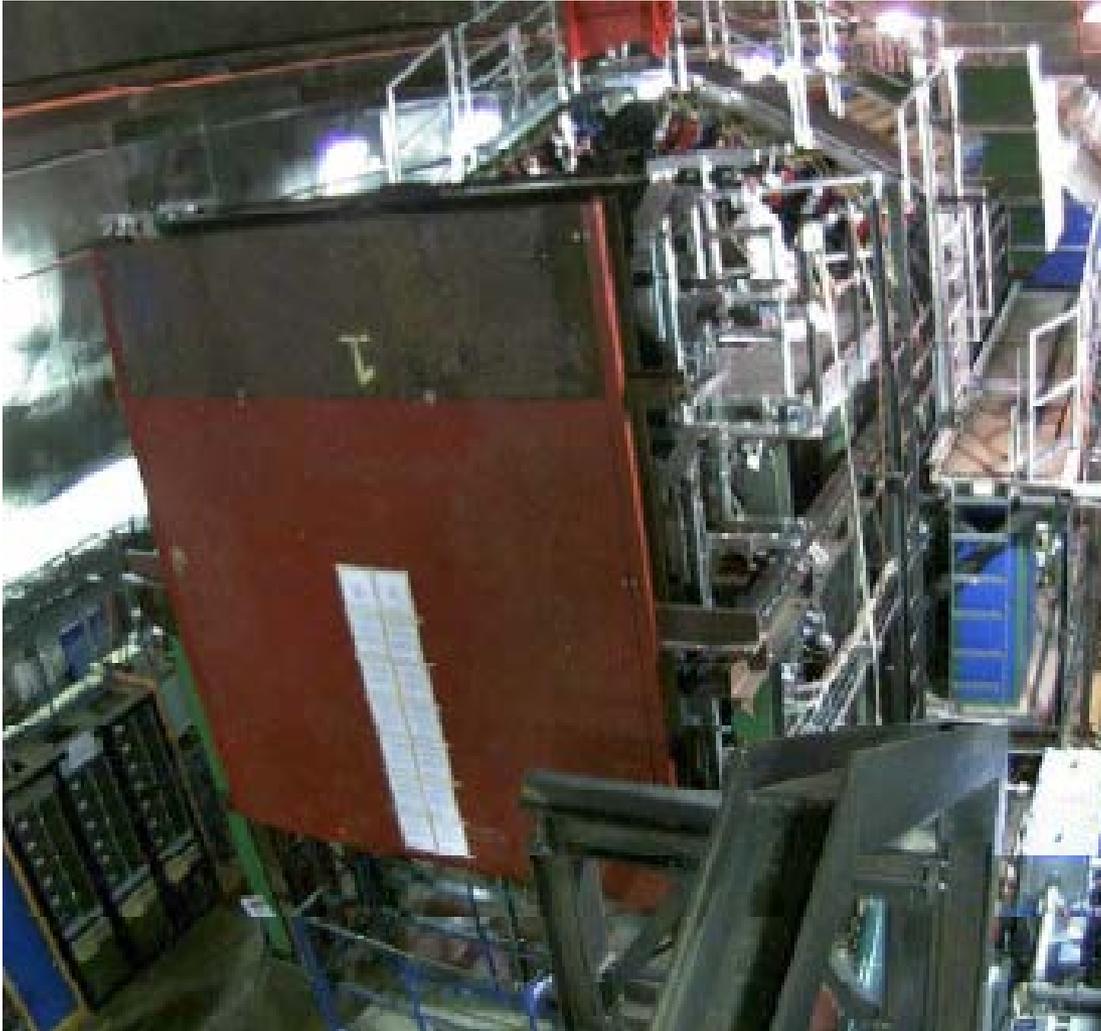
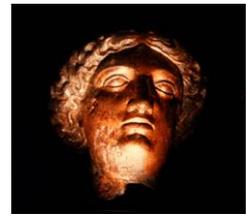
Date	POT Recorded	POT Delivered	Live Time
24-Sep-2011	7.38E+17	7.56E+17	97.70%
25-Sep-2011	1.32E+18	1.34E+18	99.20%
26-Sep-2011	1.15E+18	1.16E+18	99.20%
27-Sep-2011	1.19E+18	1.23E+18	97.00%
28-Sep-2011	1.31E+18	1.32E+18	99.20%
29-Sep-2011	1.11E+18	1.20E+18	93.20%
Total	6.83E+18	7.00E+18	97.6%



- Sep 24, beam in FHC , LE100, 200 kA horn current, ME
 - 0.74×10^{19} POT to 7AM on Sep 30, goal double statistics = 0.7×10^{19} POT
- RHC LE100, 200 kA horn current, starting 11 AM on Sep 30
 - 0.27×10^{19} POT, the goal double statistics = 0.5×10^{19} POT
- Move to LE10 FHC 185 kA horn current on Oct 5, beam up on Oct 6
- Running at 36×10^{12} POT/pulse
- MINERvA live time Sep 24-29 – 97.6%
 - Sep 29 - DAQ problems
- MINOS near detector live time 99.4% from Sep 26 – Oct 2



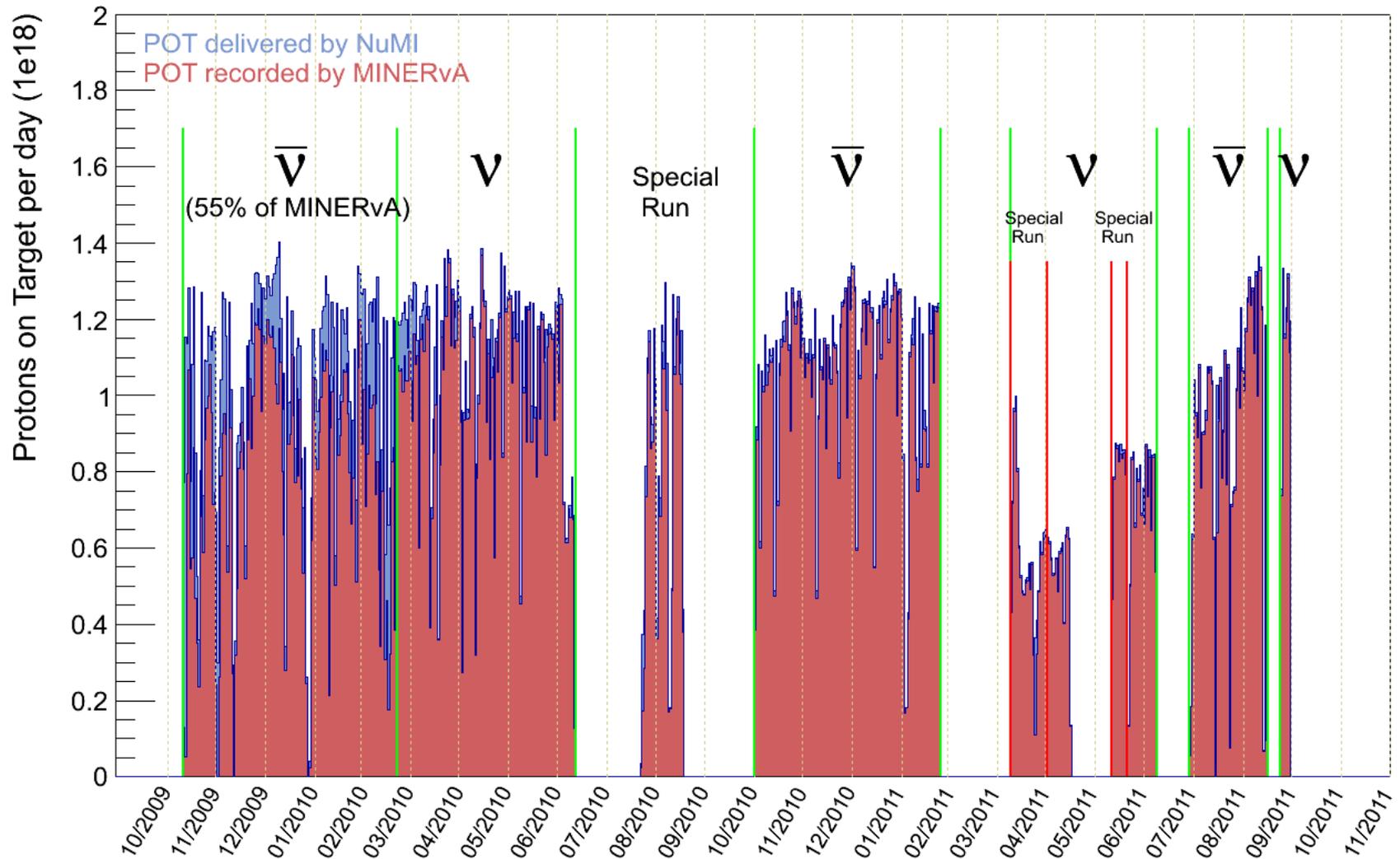
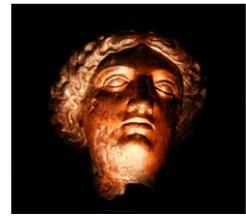
He Target Ready for Beam



- We would like to thank John Voirin's crew for installing the Veto Wall Steel last week
- The He target is ready for data taking as the veto wall is fully installed

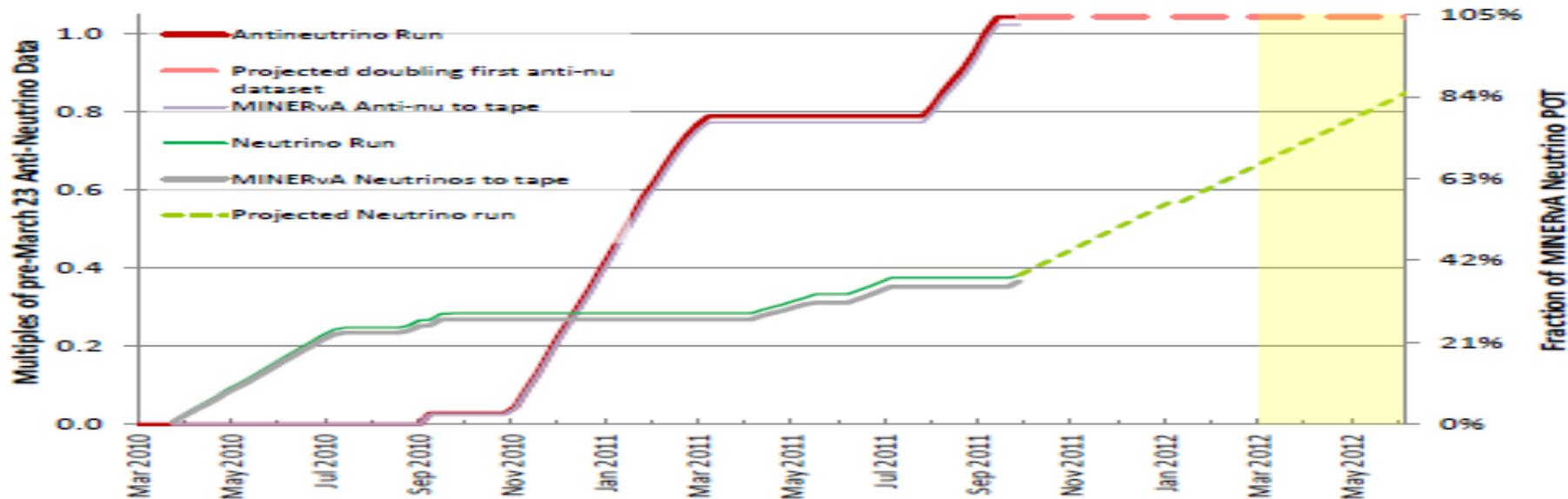


MINERvA POT/Day Nov 2009 - Present





Accumulated POT to Sep



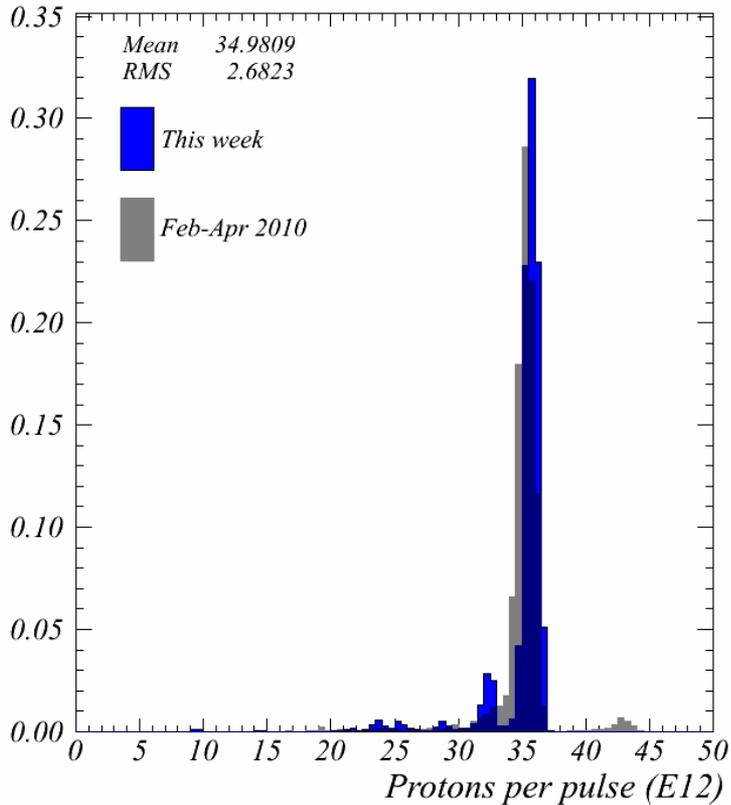
- Anti- ν run, full scale corresponds to 1.76×10^{20} POT
 - # POT for collected for anti- ν before Mar 23 10, official start of MINERvA ν run
- NT02 running gives enough anti- ν data for doubling of the 1st anti- ν data set.
- Minerva run, full scale corresponds to 4.9×10^{20} POT
 - # for which MINERvA 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



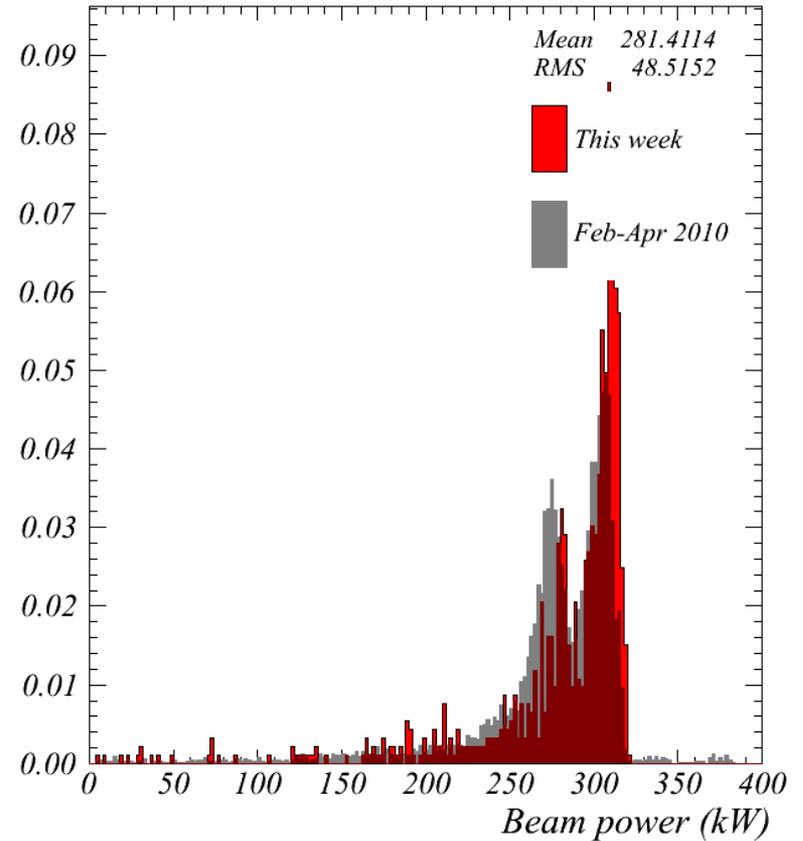
NuMI Beam Plots



Week ending 00:00 Monday 03 October 2011

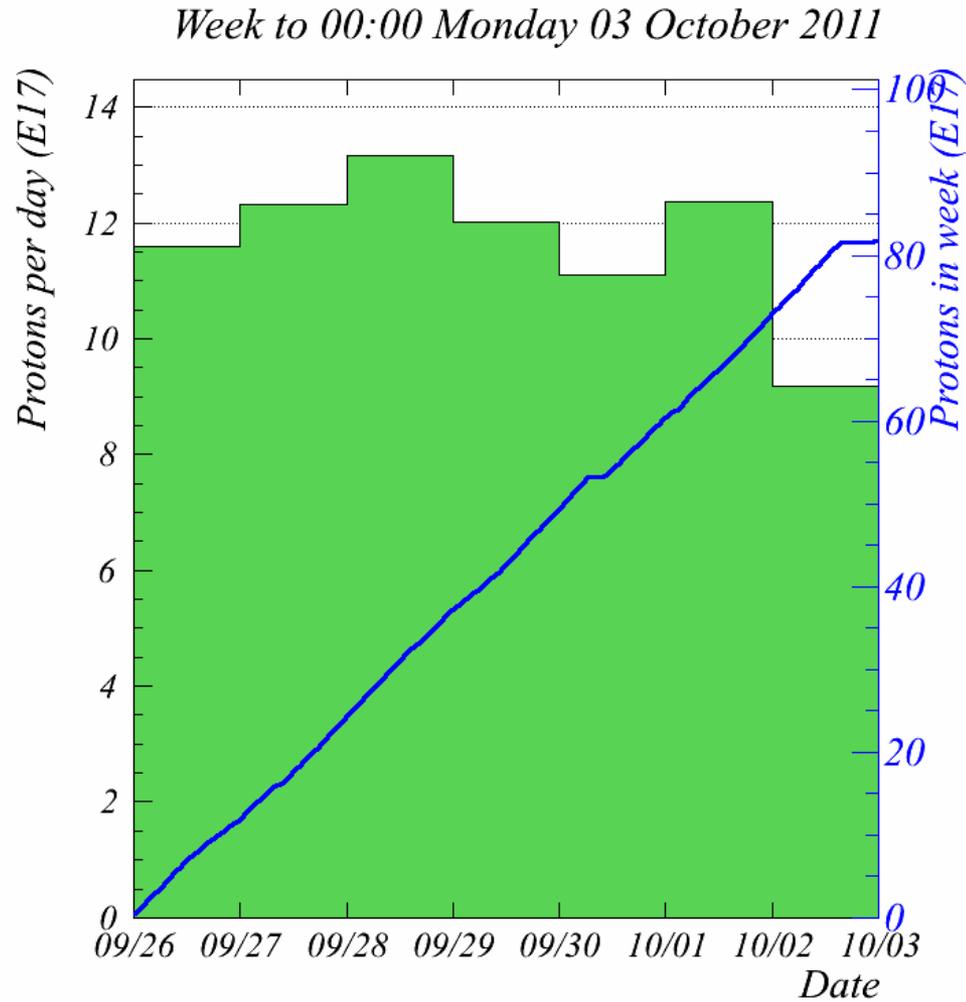


Week ending 00:00 Monday 03 October 2011





Protons for the Week

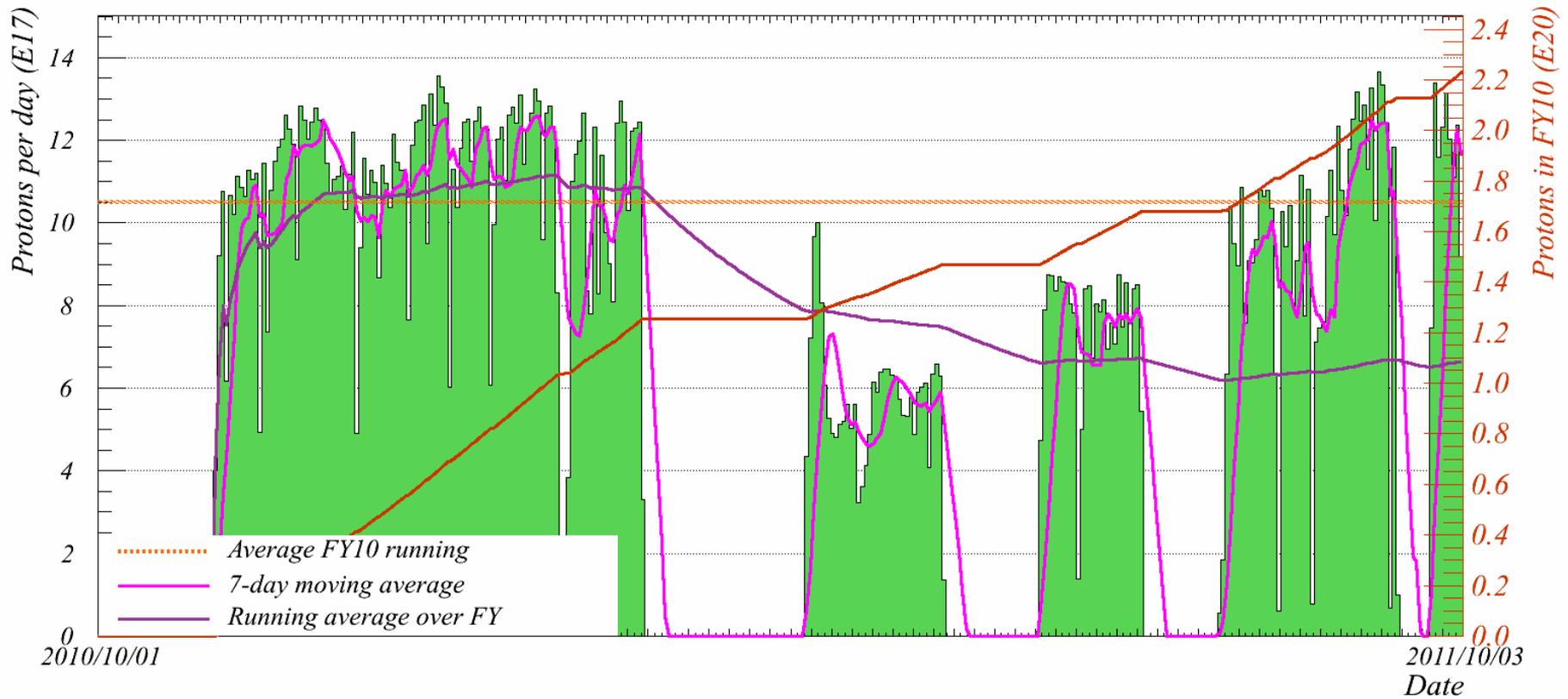




FY2011 Protons



FY11 NuMI protons to 00:00 Monday 03 October 2011





NuMI Protons over History



Total NuMI protons to 00:00 Monday 03 October 2011

