

The MINERvA Operations Report

All Experimenters Meeting

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Jun 27, 2011

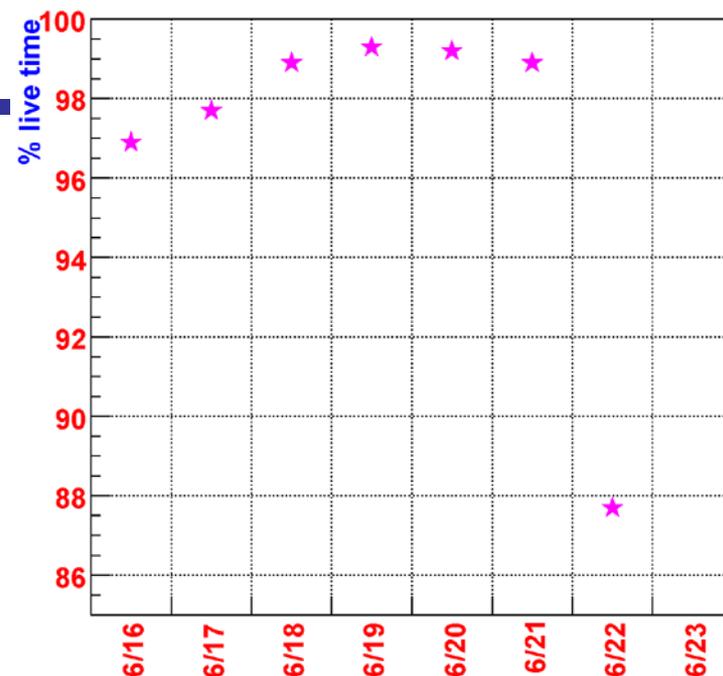




v Data

% live time Jun 16 – Jun 23

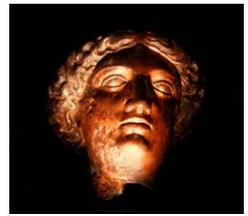
Date	POT Recorded	POT Delivered	Live Time	Comments
6/16/2011	8.46E+17	8.73E+17	96.90%	
6/17/2011	8.35E+17	8.55E+17	97.70%	
6/18/2011	8.50E+17	8.59E+17	98.90%	
6/19/2011	7.92E+17	7.98E+17	99.30%	
6/20/2011	7.79E+17	7.85E+17	99.20%	
6/21/2011	1.33E+17	1.35E+17	98.90%	
6/22/2011	4.42E+17	5.04E+17	87.70%	Processing
6/23/2011	3.40E+17	8.38E+17	40.60%	Processing
Total	5.02E+18	5.65E+18	8.88E-01	



- Limit 2.5×10^{13} POT/pulse for target
- Started up in LE250 HE v mode,
 - 1.18×10^{19} POT as of Jun 11.
 - 0.81×10^{19} POT in LE250 HE
- Jun 21, move target to LE10 FHC, Startup Jun 22
 - 0.36×10^{19} POT in LE10 as of Jun 26
- 98.4% live from Jun 16-21, Jun 22 & 23 processing problem
 - MINOS live time is about 99% to Jun 20-26



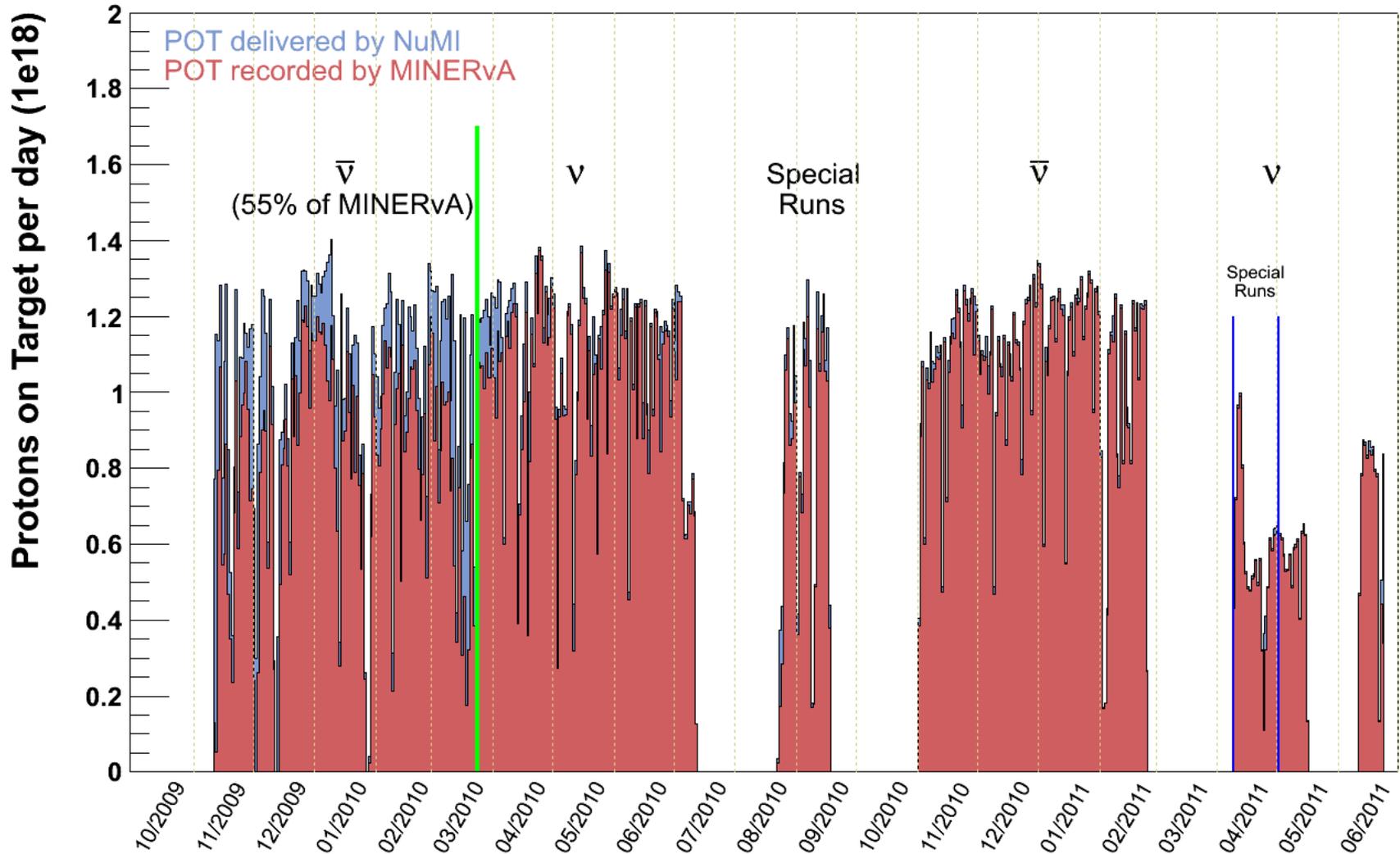
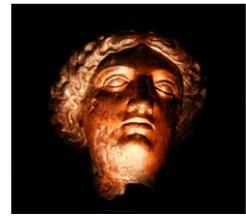
Remote Shifts



- We will be doing the 1st remote shift on July 1 morning shift
- The 1st remote shift was scheduled for June 3, but there was no beam.
- June 28, 29 the 2d site, Austin will doing their first remove shift (morning shift) to get qualified, with the 12th floor control room acting as the shadow shift.

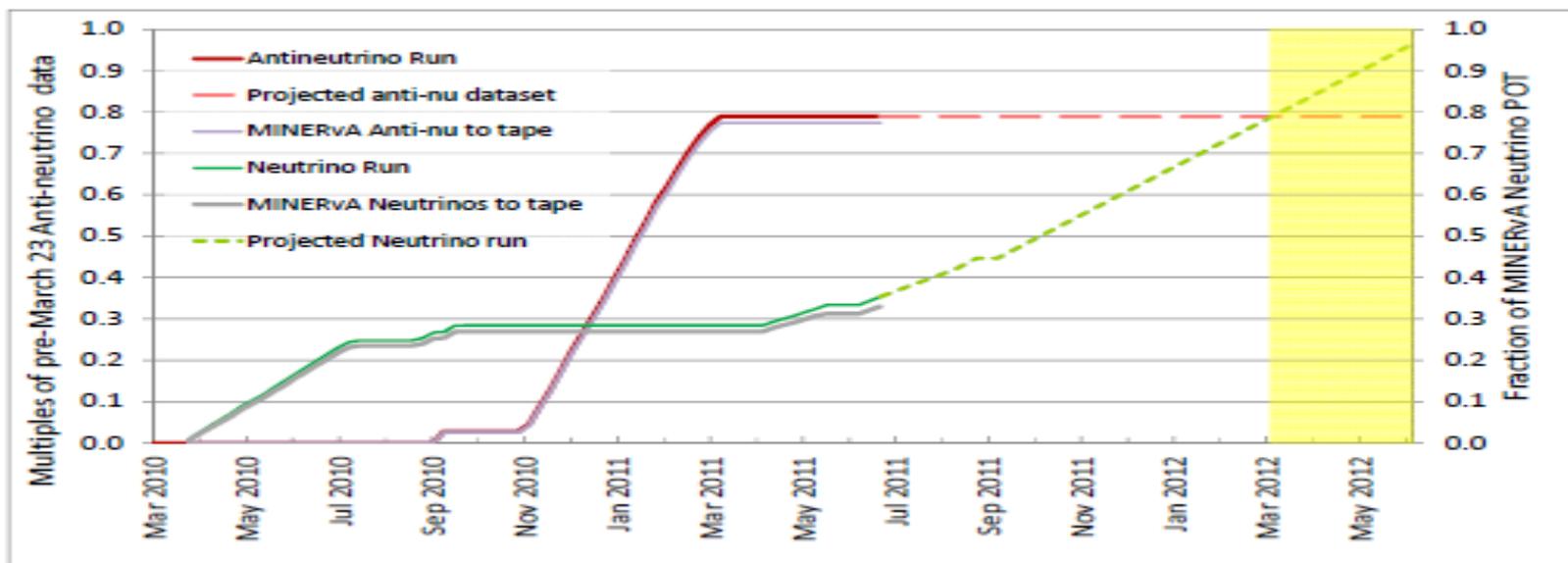


MINERvA POT/Day Nov 2009 - Present





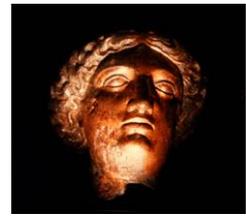
Accumulated POT to Jun 16



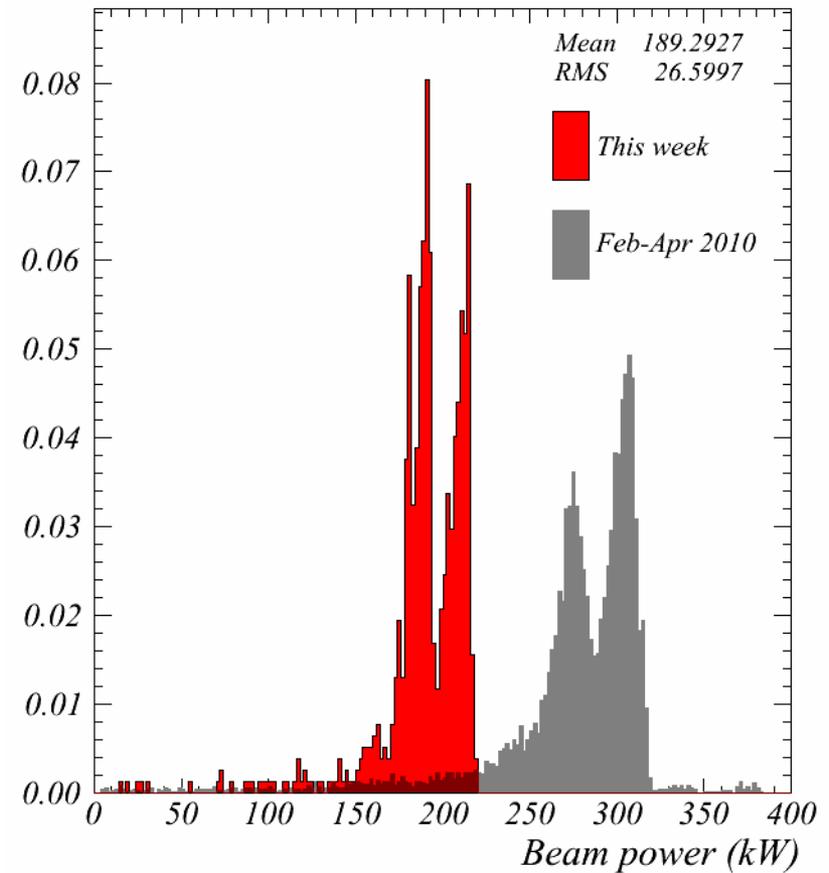
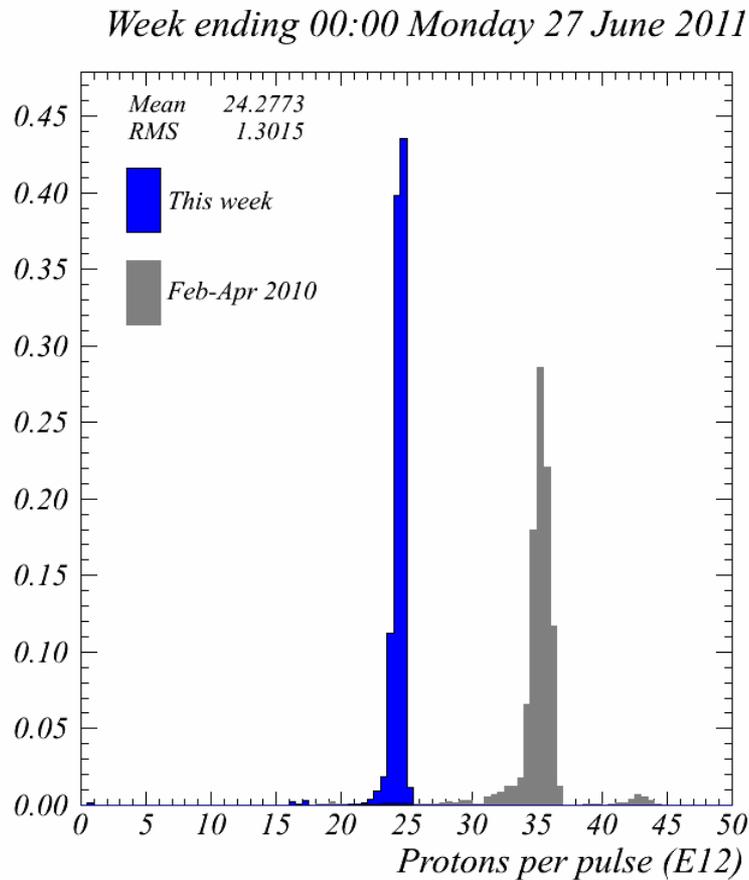
- Anti- ν run, full scale corresponds to 1.76×10^{20} POT
 - # POT for collected for anti- ν before Mar 23 10, official start of MINERvA ν run
- Minerva run , full scale corresponds to 4.9×10^{20} POT
 - # for which MINERvA project & experiment were reviewed & the detector built.
- Projected assumes 0.92×10^{18} POT/day and adding the limit of 2.5×10^{12} POT/pulse to Sep plus 2 week shutdown in Aug 2011 to change target
 - # 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 27 June 2011

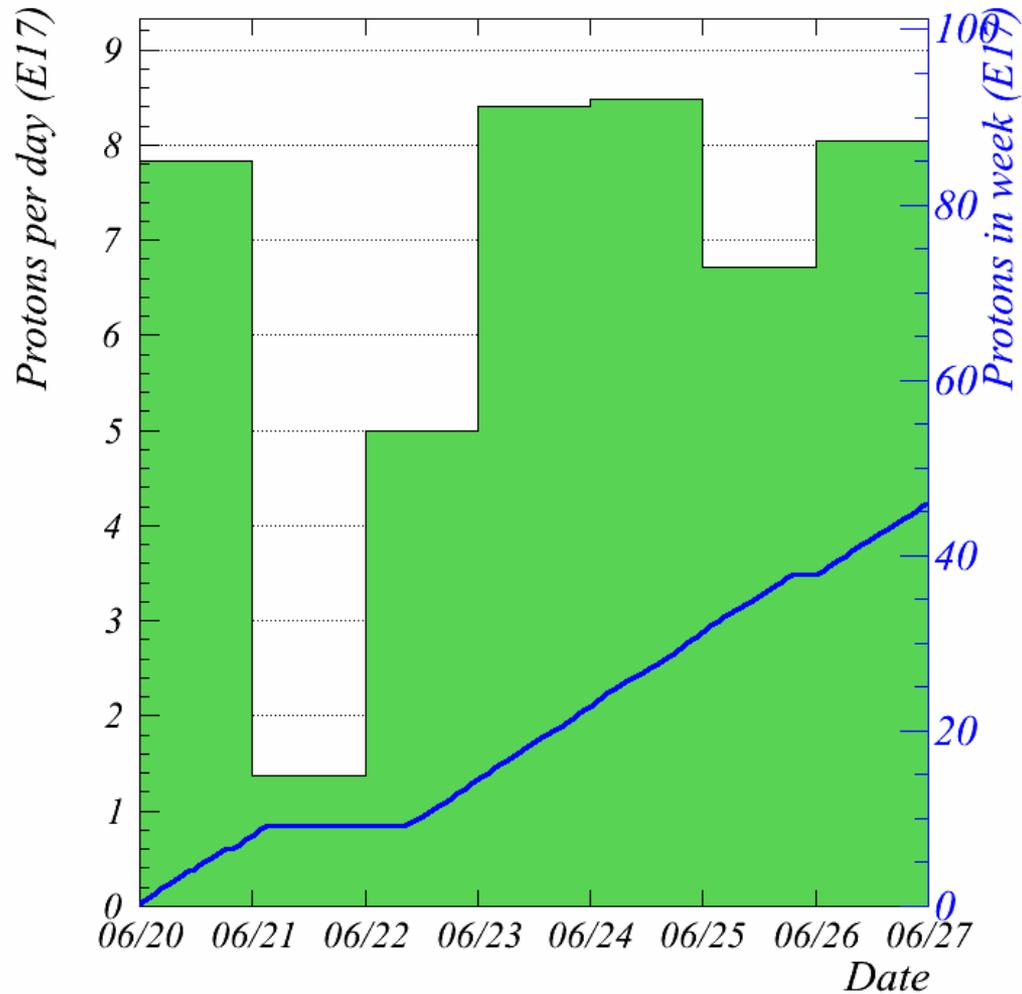




Protons for the Week

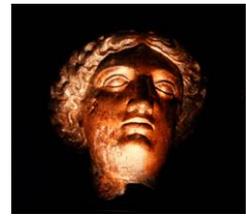


Week to 00:00 Monday 27 June 2011

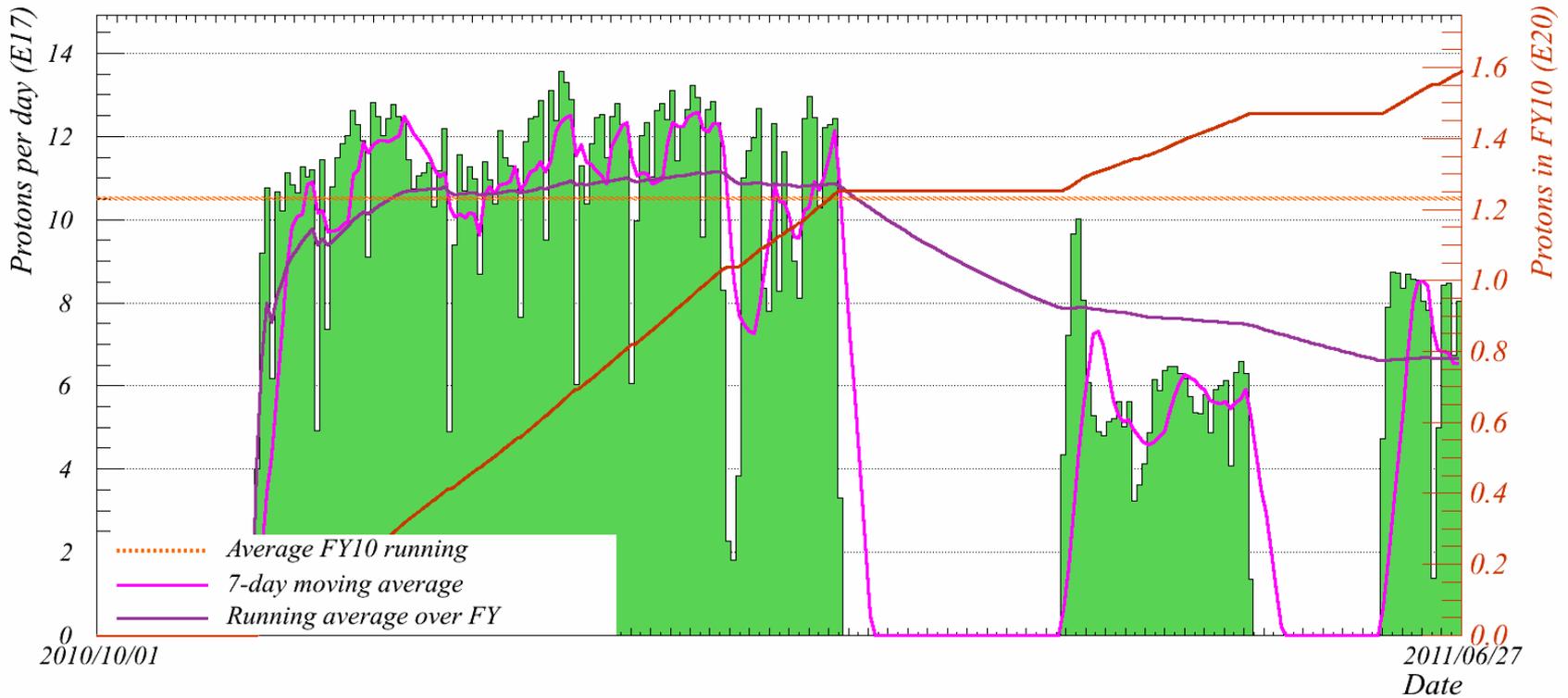




FY2011 Protons



FY11 NuMI protons to 00:00 Monday 27 June 2011





NuMI Protons over History



Total NuMI protons to 00:00 Monday 27 June 2011

