The MINERνA Operations Report
All Experimenters Meeting

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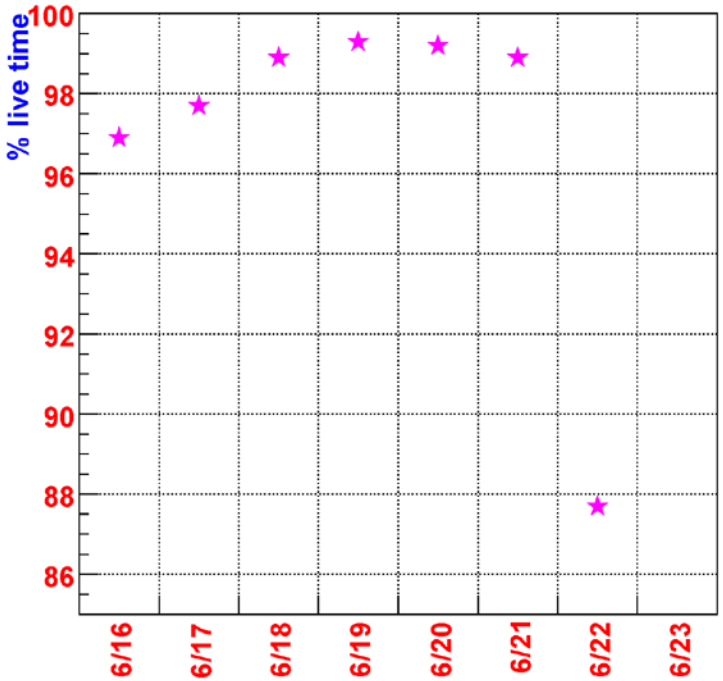
Jun 27, 2011

ν 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	

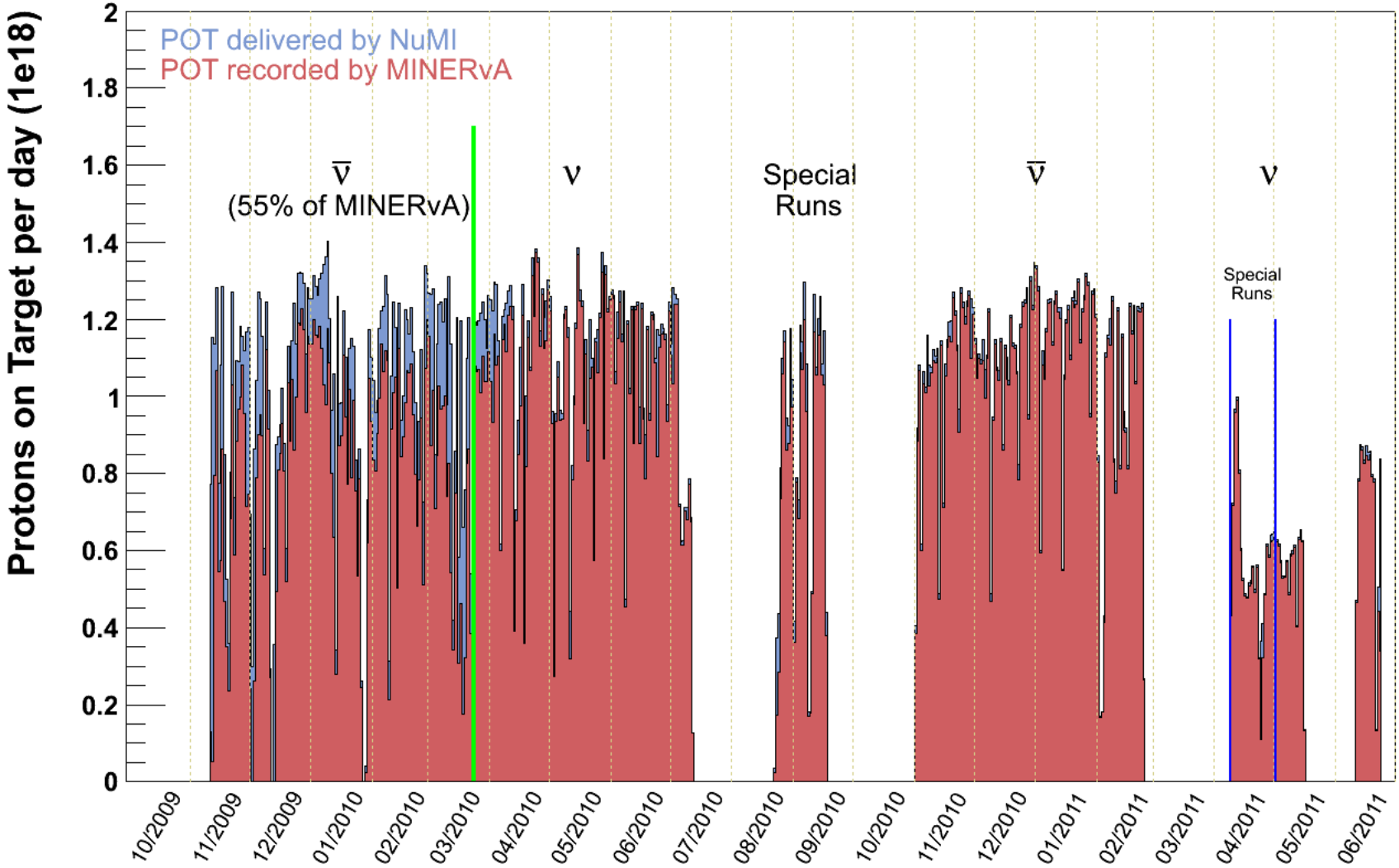


- Limit 2.5×10^{13} POT/pulse for target
- Started up in LE250 HE ν mode,
  - 1.18×10^{19} POT as of Jun 11.
  - 0.81×10^{19} POT in LE250 HE
- Jun 21, move target to LE10 FHC, Startup Jun 22
  - 0.36×10^{19} POT in LE10 as of Jun 26
- 98.4% live from Jun 16-21, Jun 22 & 23 processing problem
  - MINOS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

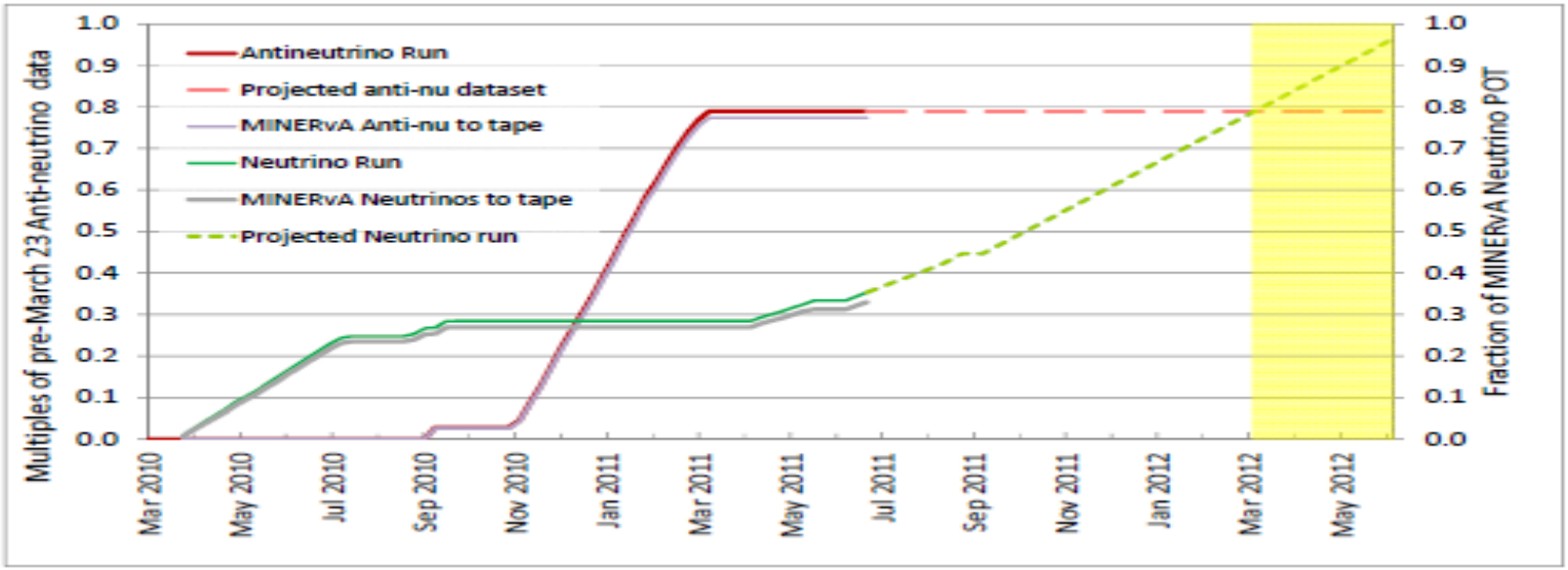
Remote Shifts

- 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) with the 12th floor control room acting as the shadow shift.

MINERνA POT/Day
Nov 2009 - Present

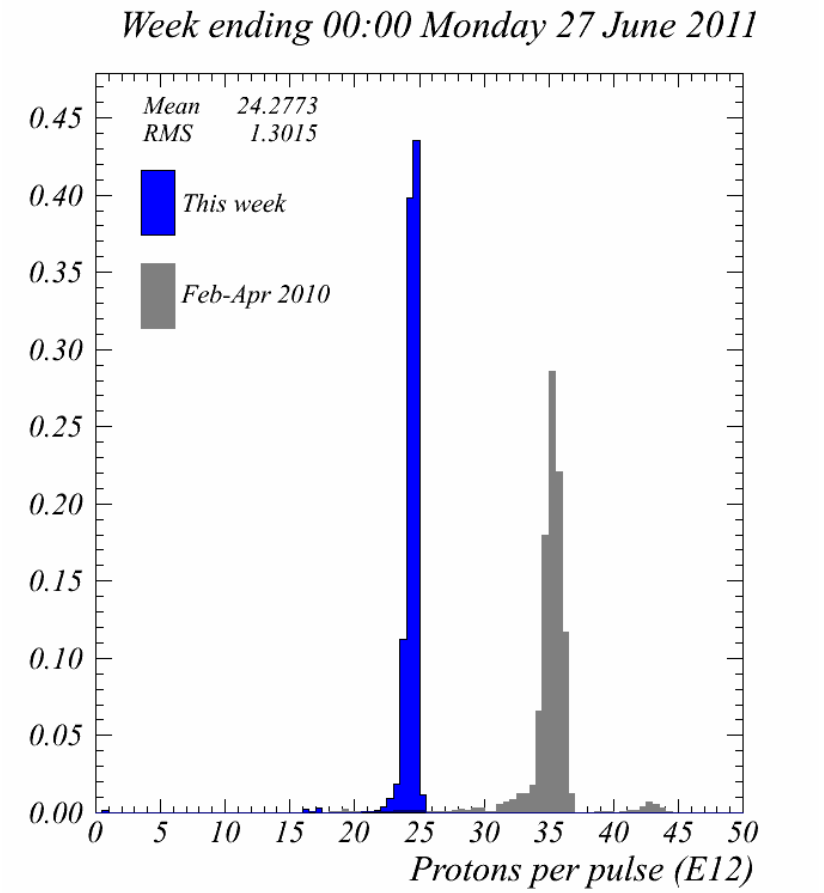


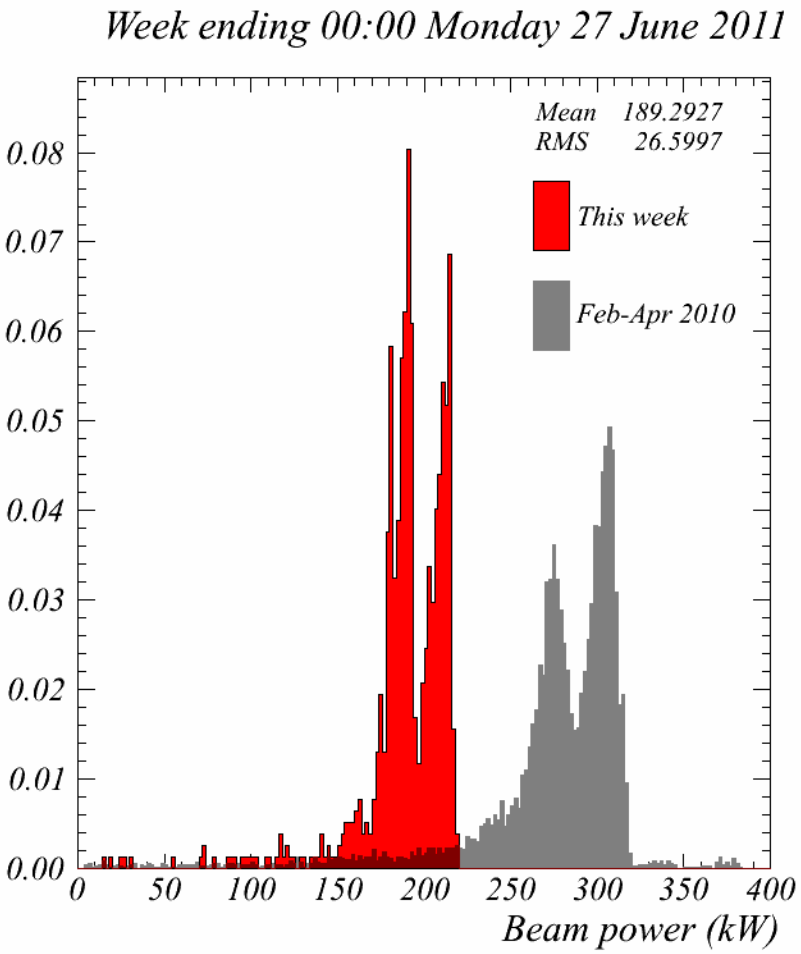
Accumulated POT to Jun 16



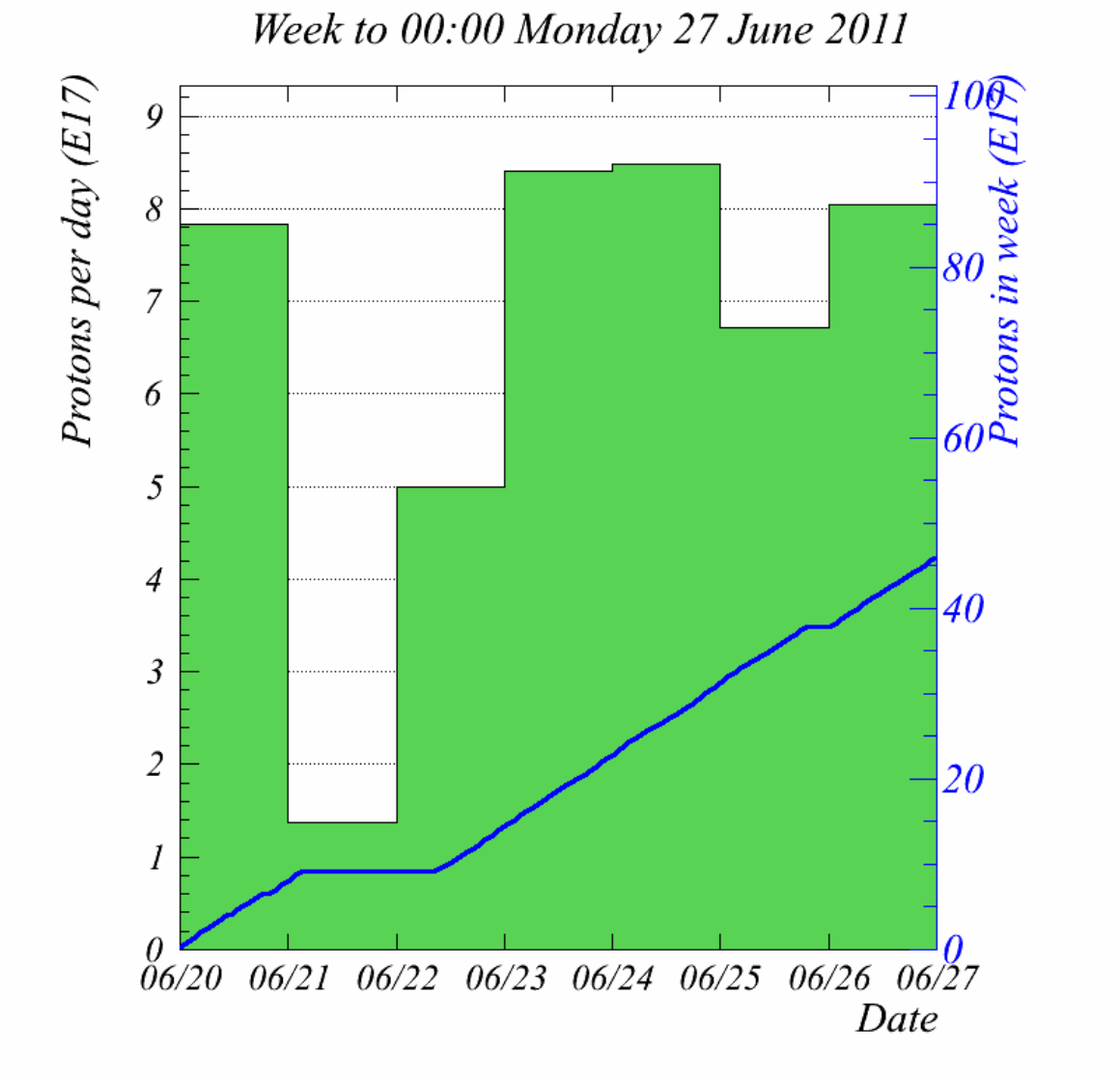
- Anti-ν run, full scale corresponds to 1.76×10^{20} POT
  - # POT for collected for anti-ν before Mar 23 10, official start of MINERνA ν run
- Minerva run , full scale corresponds to 4.9×10^{20} POT
  - # for which MINERvA project & experiment were reviewed & the detector built.
- Projected assumes 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

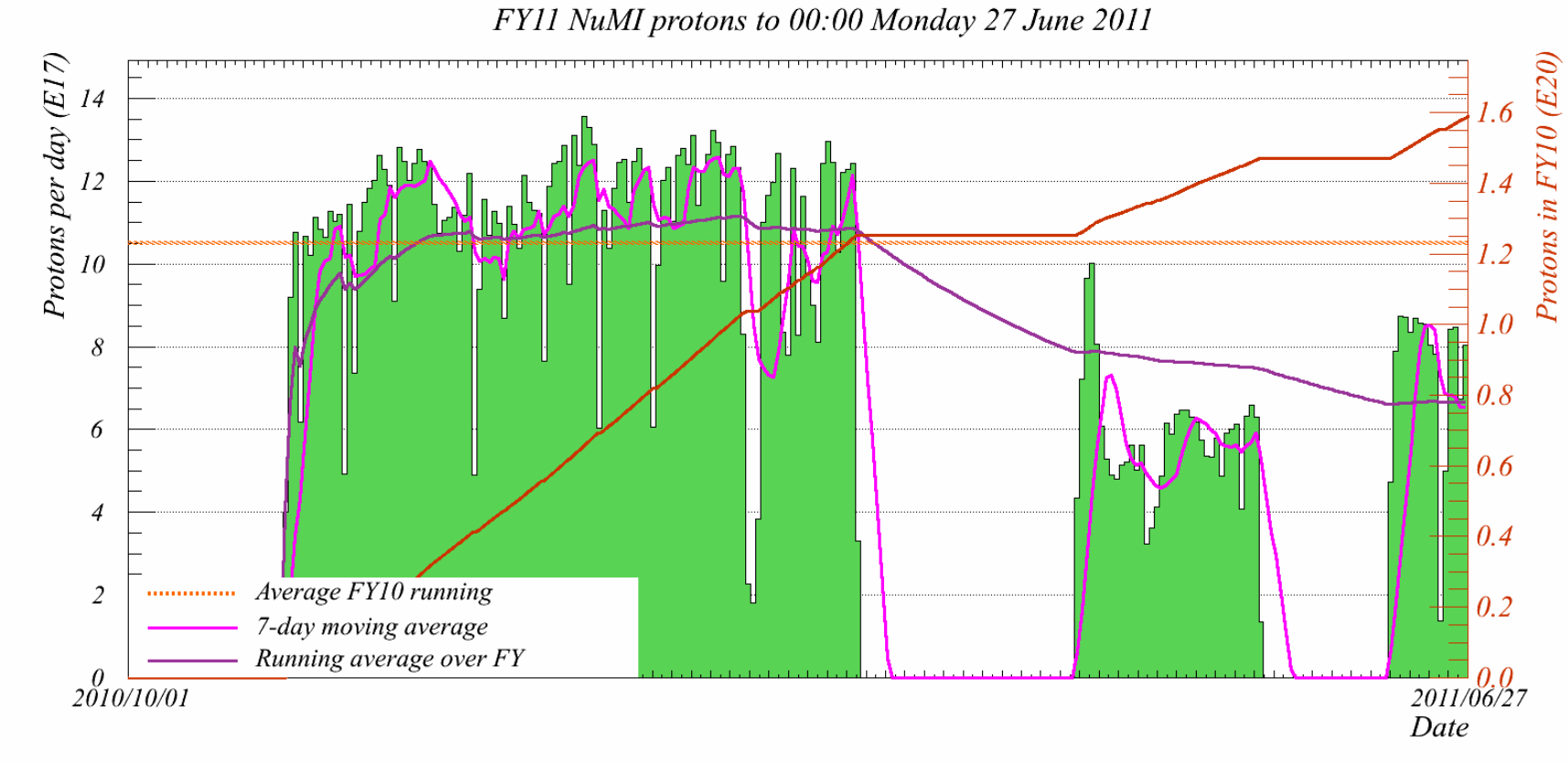
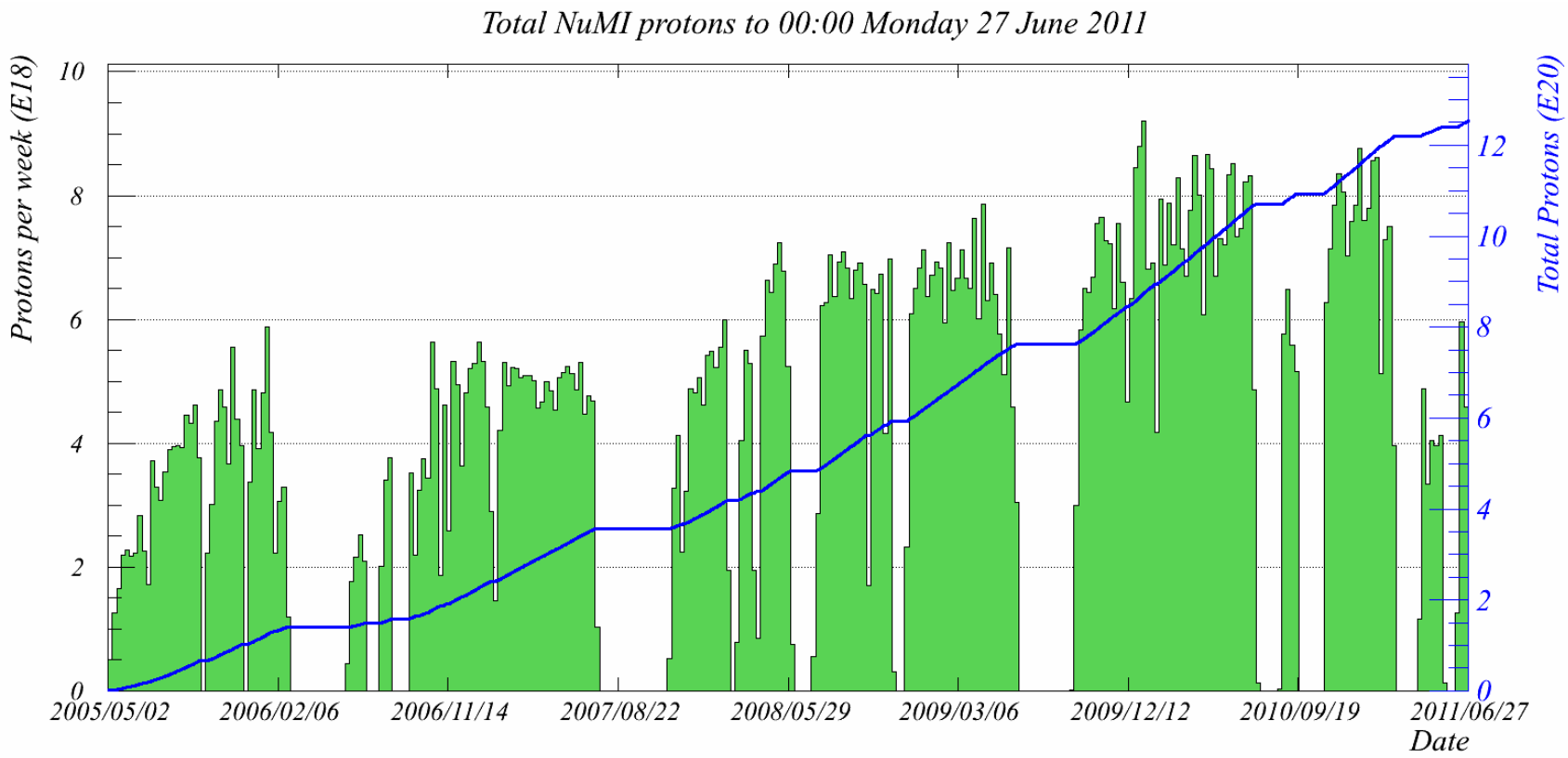




Protons for the Week



FY2011 Protons



NuMI Protons over History