

The MINERvA Operations Report

All Experimenters Meeting

Howard Budd, University of Rochester
July 11, 2011



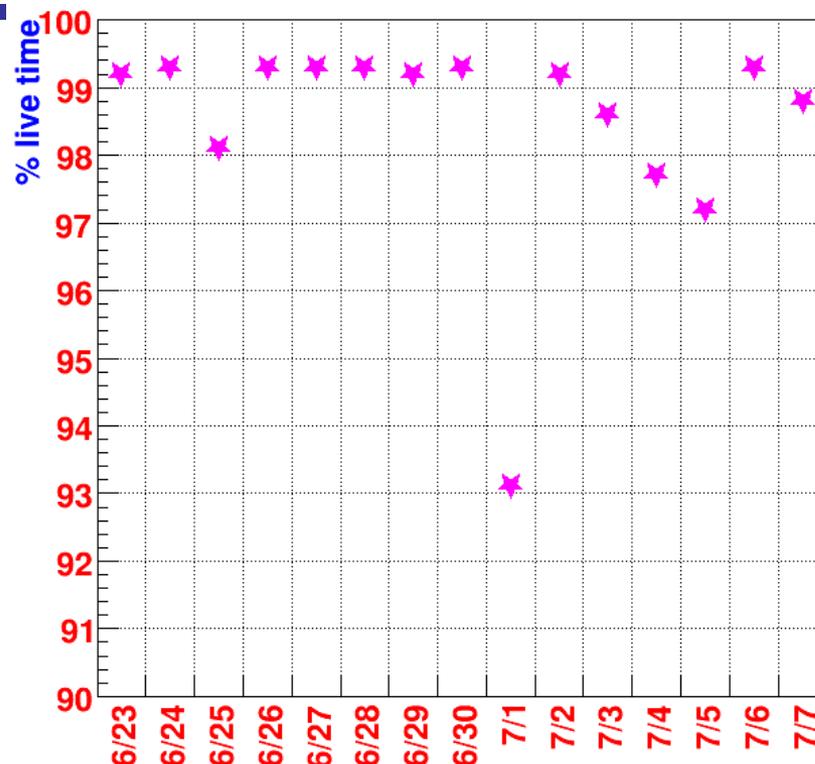


v Data



% live time Jun 22 – Jul 7

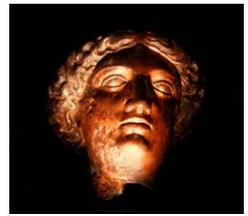
Date	POT Recorded	POT Delivered	Live Time	Comment
6/23/2011	8.32E+17	8.38E+17	99.20%	
6/24/2011	8.45E+17	8.51E+17	99.30%	
6/25/2011	6.54E+17	6.67E+17	98.10%	
6/26/2011	8.05E+17	8.11E+17	99.30%	
6/27/2011	7.74E+17	7.80E+17	99.30%	
6/28/2011	8.12E+17	8.17E+17	99.30%	
6/29/2011	6.85E+17	6.91E+17	99.20%	
6/30/2011	7.54E+17	7.59E+17	99.30%	
7/1/2011	6.63E+17	7.12E+17	93.10%	FEB Problem
7/2/2011	8.65E+17	8.72E+17	99.20%	
7/3/2011	7.34E+17	7.44E+17	98.60%	
7/4/2011	8.39E+17	8.58E+17	97.70%	
7/5/2011	6.46E+17	6.64E+17	97.20%	
7/6/2011	8.37E+17	8.44E+17	99.30%	
7/7/2011	7.64E+17	8.47E+17	98.80%	
Total	1.15E+19	1.18E+19	9.79E-01	



- Limit 2.5×10^{13} POT/pulse for target
- Started up in LE250 HE v mode, for this Target
 - 0.81×10^{19} POT in LE250 HE
 - 1.28×10^{19} POT in LE10
 - 2.10×10^{19} POT to July 8.



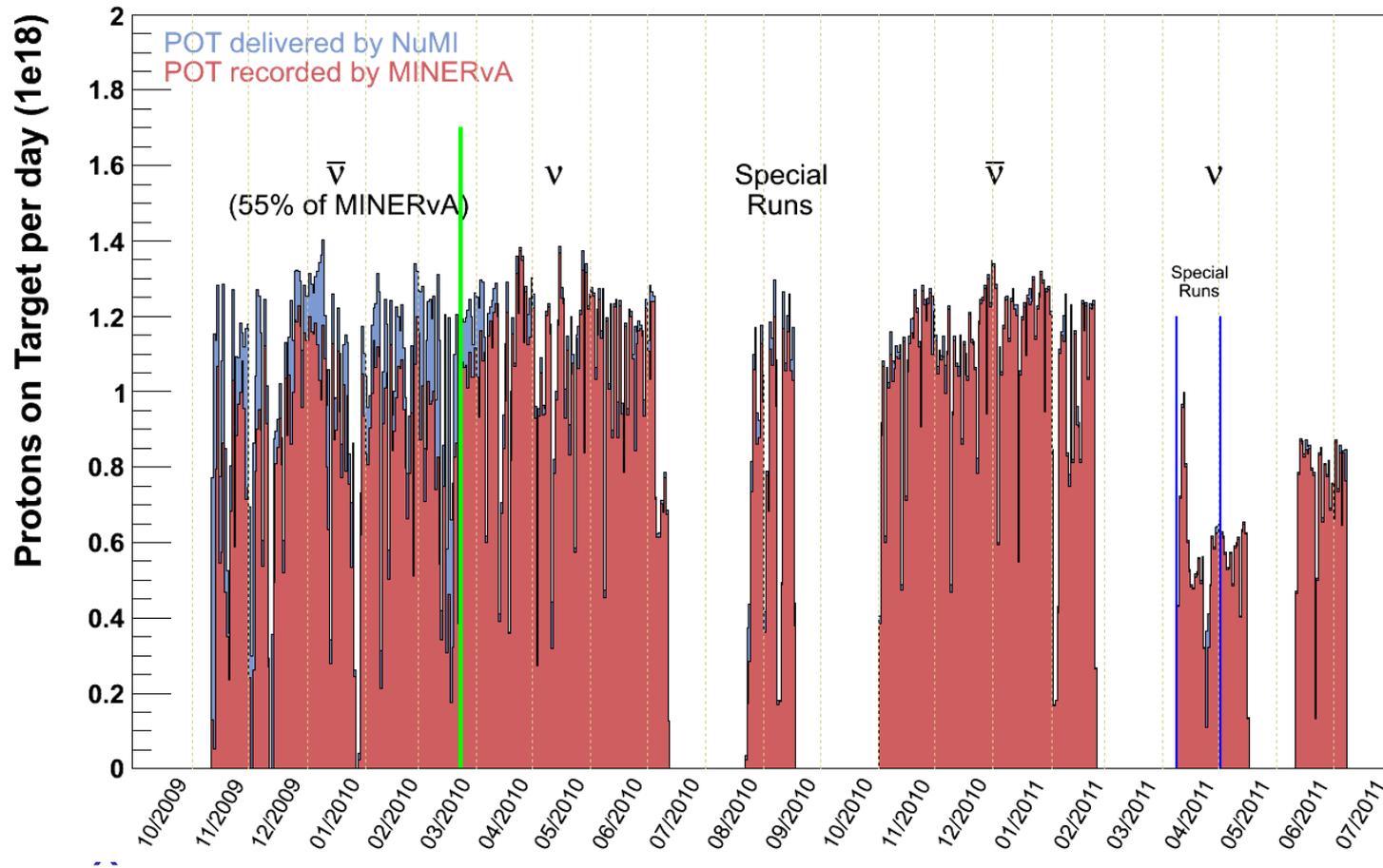
ν Data



- 0.91×10^{19} POT jun 27-Jul 8
- MINERvA live time 98%, Jul 23-jul 7
- MINOS live time
 - 99.7% Jun 27- Jul 3
 - 72% to Jul 4 – Jul 8
- July 1 – 8 two sites did remote shifts, Austin & Rochester

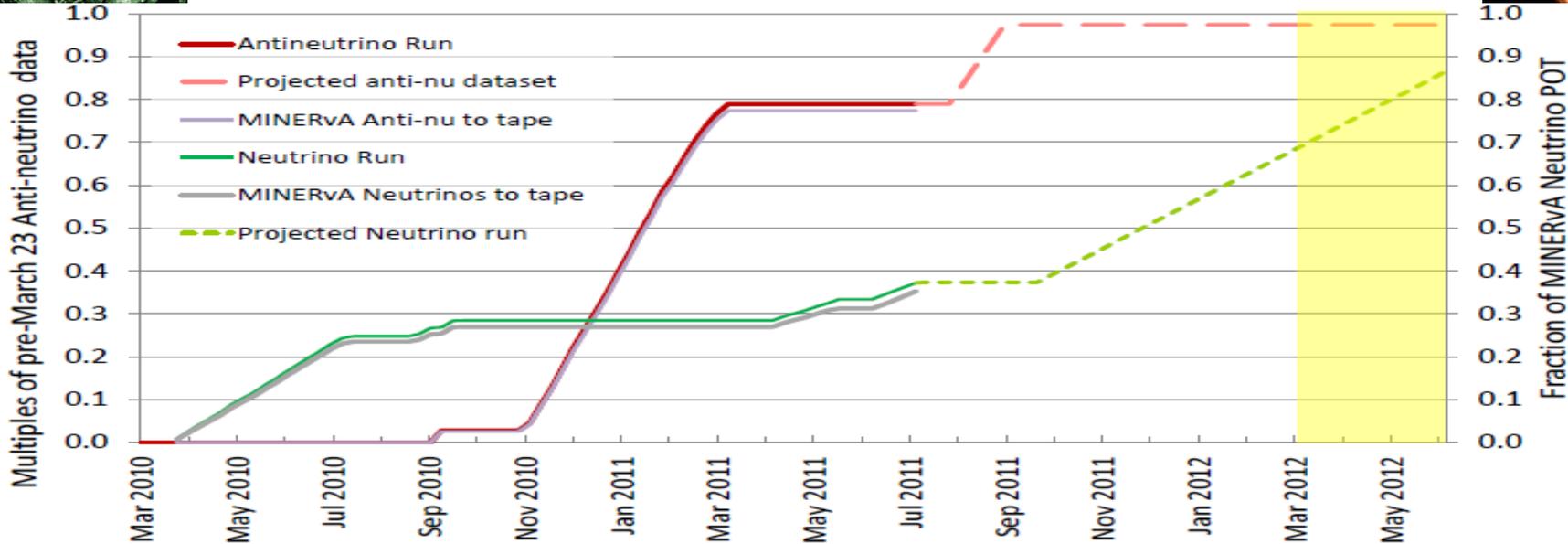


MINERvA POT/Day Nov 2009 - Present





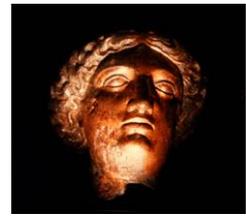
Accumulated POT to Jul 7 2011



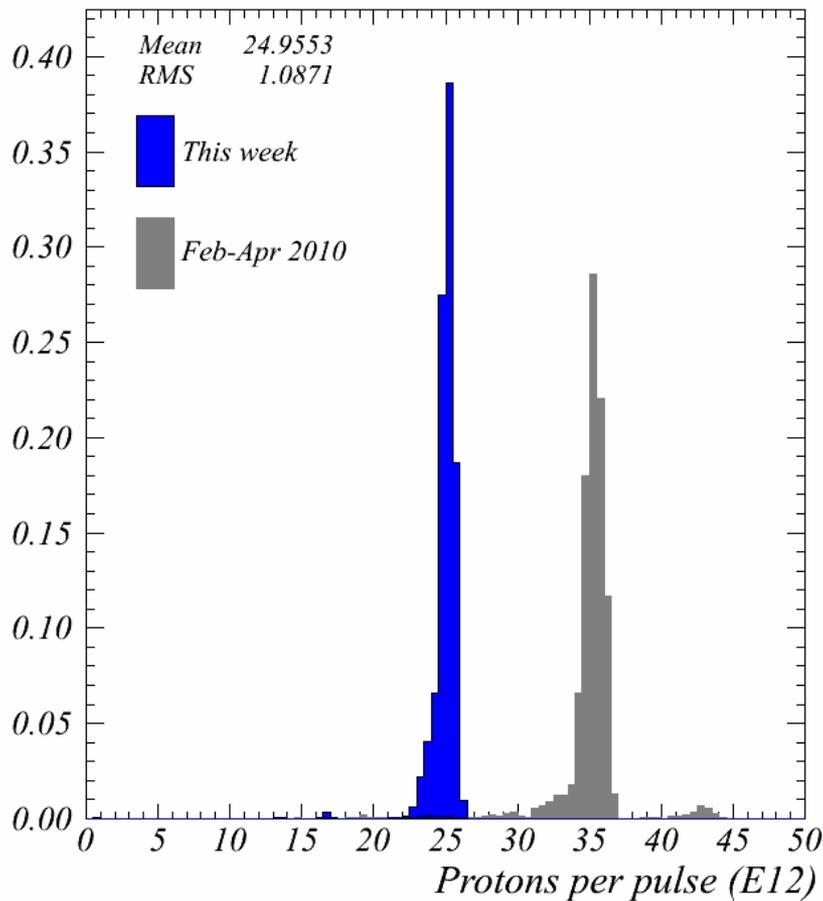
- Anti- ν run, full scale corresponds to 1.76×10^{20} POT
 - # POT for collected for anti- ν before Mar 23 10, official start of MINERvA ν run
 - Assumes 0.33×10^{20} for 5 weeks, starting July 29
- MINERvA run, full scale corresponds to 4.9×10^{20} POT
 - # for which MINERvA project & experiment were reviewed & the detector built.
 - For this new projection, MINERvA would get 3.33×10^{20} Mar 1 & 4.17×10^{20} June 1
- 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



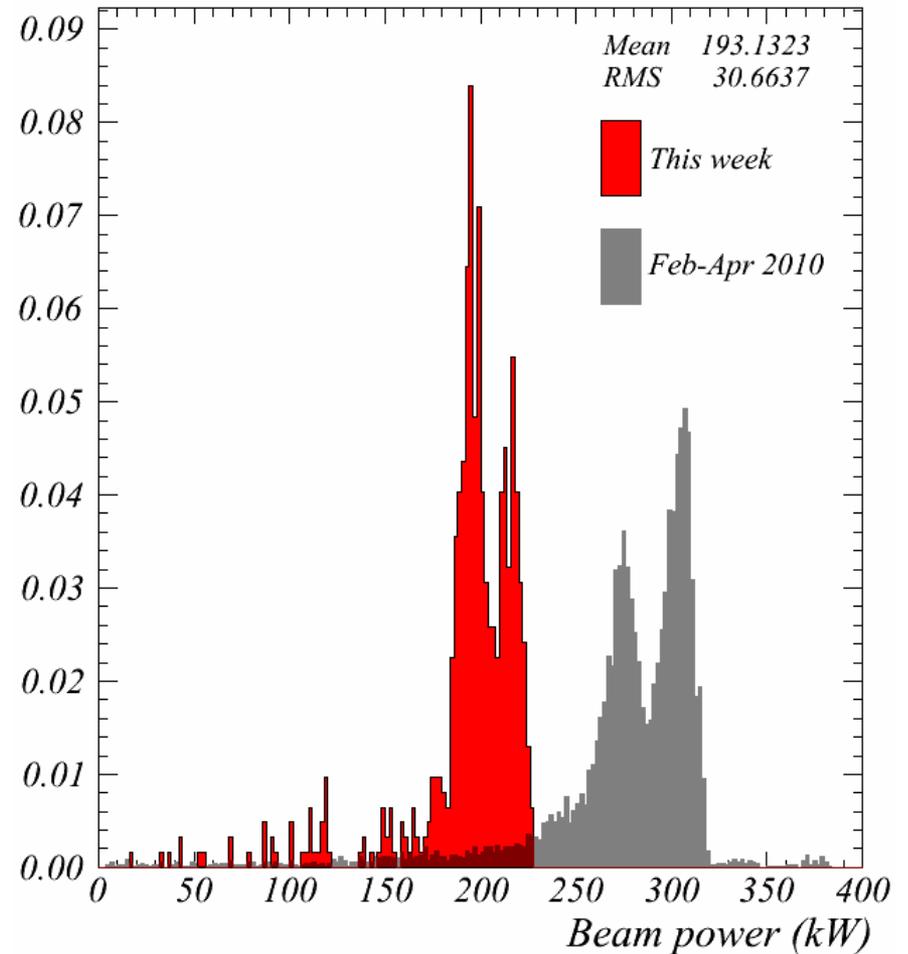
NuMI Beam Plots



Week ending 00:00 Monday 11 July 2011

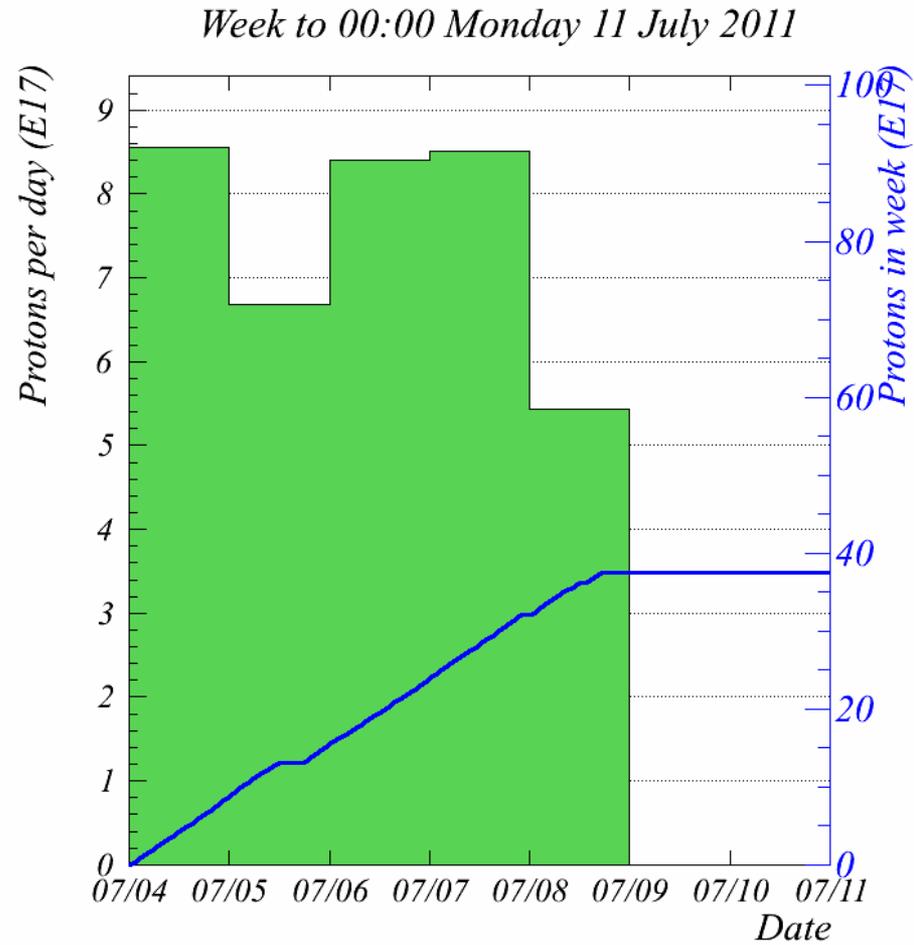
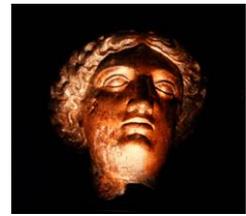


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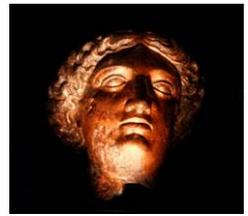


Protons for the Week

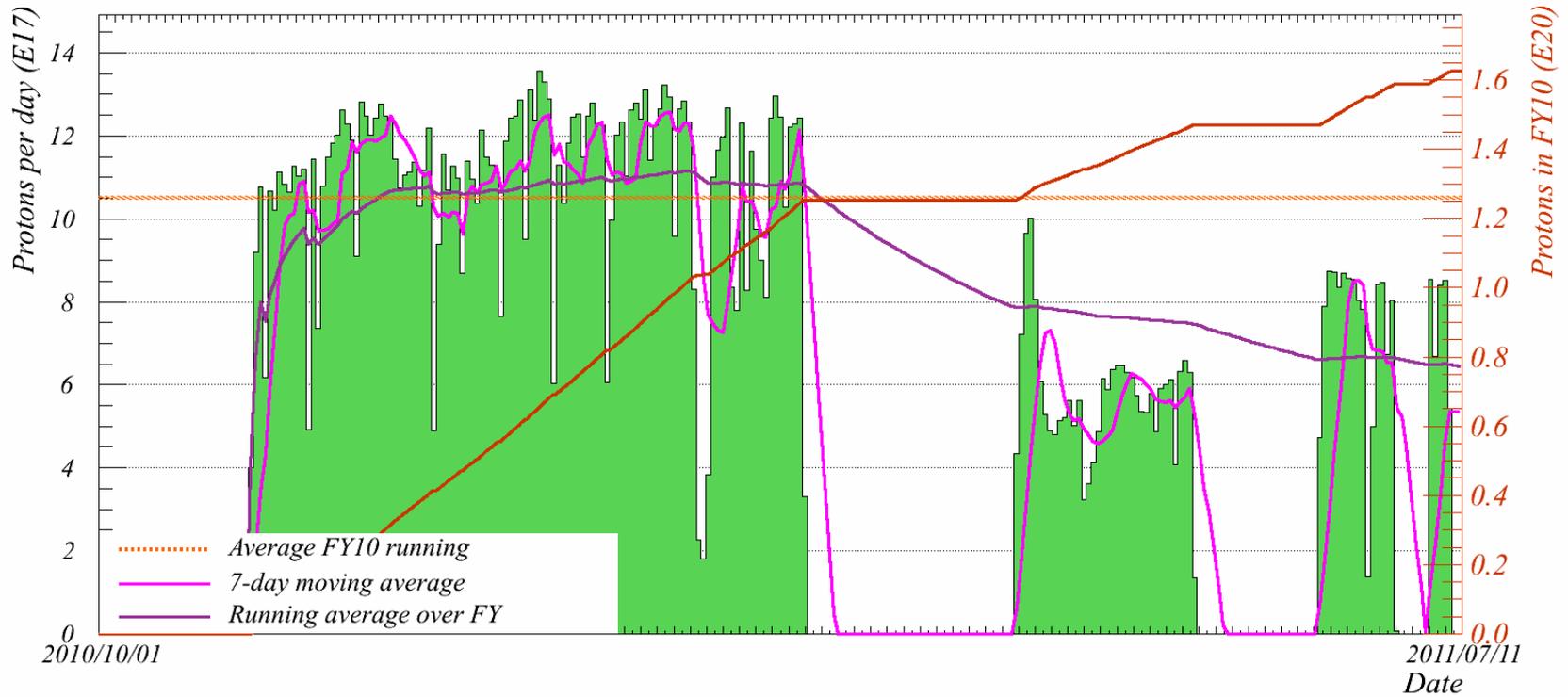




FY2011 Protons



FY11 NuMI protons to 00:00 Monday 11 July 2011





NuMI Protons over History



Total NuMI protons to 00:00 Monday 11 July 2011

