MINERνA OPERATIONS REPORT

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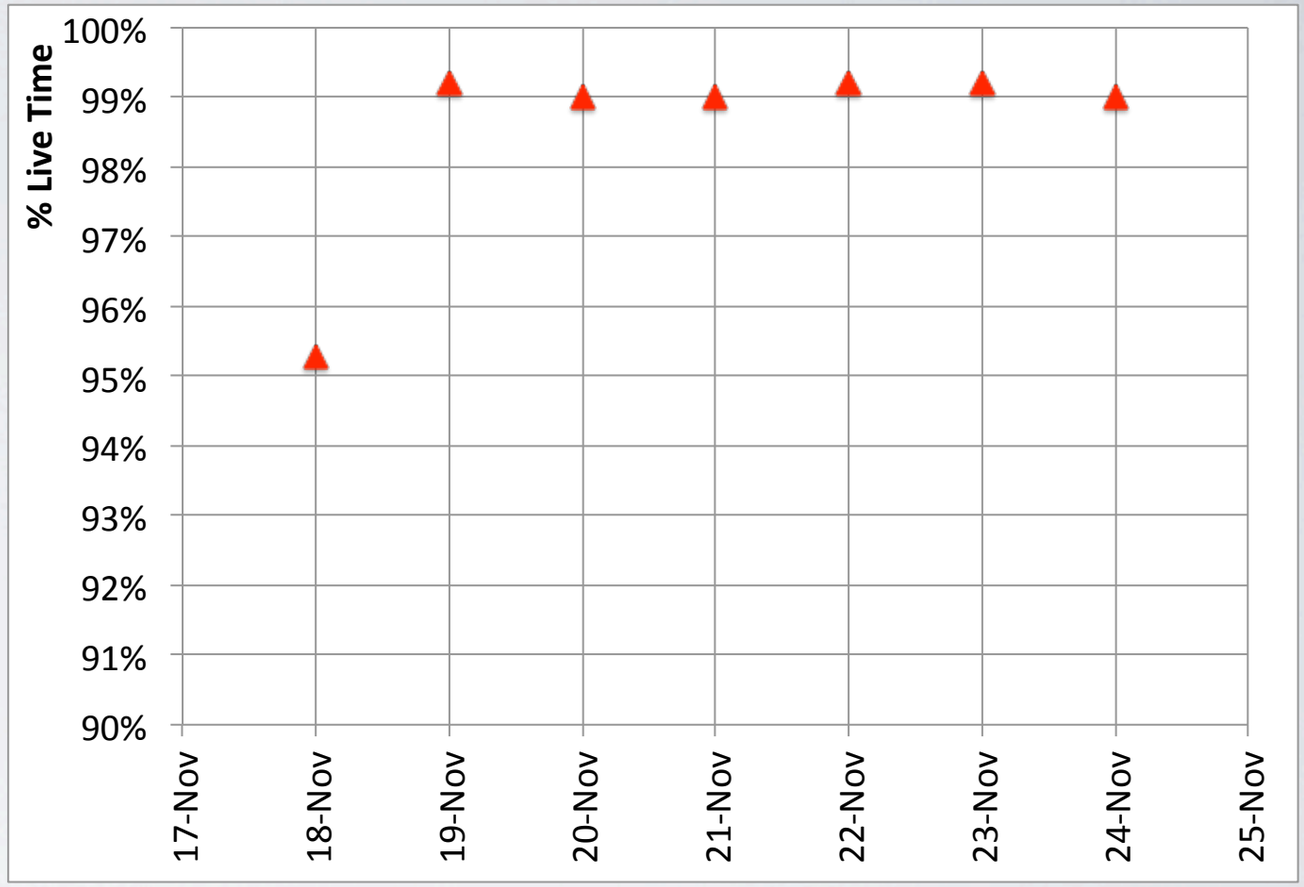
All Experimenters Meeting, Nov. 28, 2011

ν Data

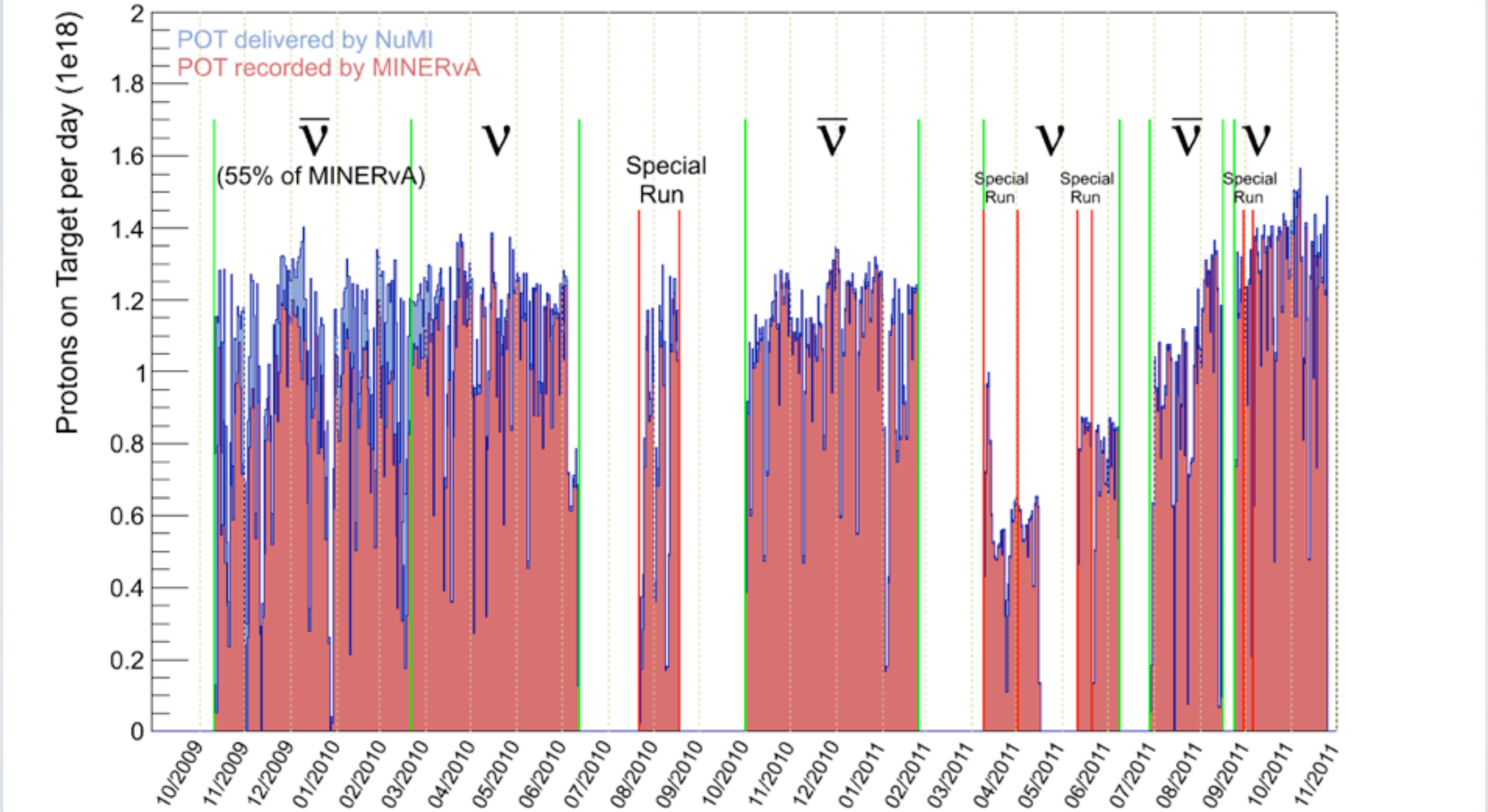
% Live time Nov. 18 - Nov. 24

Date	NuMI Rec. POT	NuMI Del. POT	Live Time
18-Nov-2011	1.23E+18	1.30E+18	95.30%
19-Nov-2011	1.32E+18	1.33E+18	99.20%
20-Nov-2011	1.37E+18	1.38E+18	99.00%
21-Nov-2011	1.25E+18	1.26E+18	99.00%
22-Nov-2011	1.40E+18	1.41E+18	99.20%
23-Nov-2011	1.22E+18	1.23E+18	99.20%
24-Oct-2011	1.47E+18	1.49E+18	99.00%
Total	**9.26E+18**	**9.39E+18**	**98.56%**

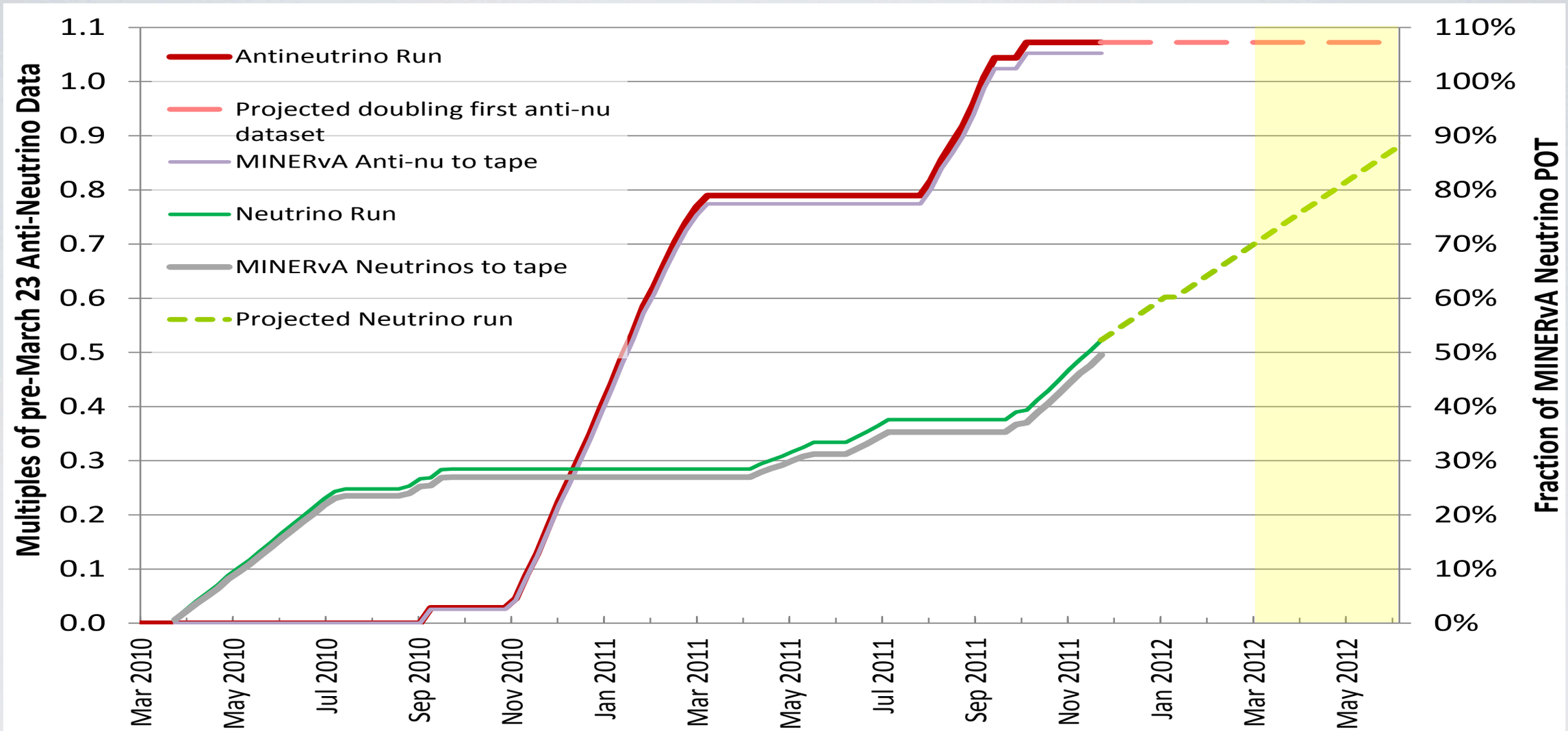


- NuMI: 9.39×10^{18} POT delivered. (Nov. 18 - 24).
- MINERvA: 9.26×10^{18} POT recorded. (Nov. 18 - 24), ~99% live time.
- Minos: 99.6% live time (Nov. 21 - 27s).
- 6.39×10^{19} POT for ν, Oct. 6 - Nov. 24, ν with NT-07.
- 7.7×10^{19} POT with NT-07.

MINERvA POT/Day
Nov. 2009 - Present

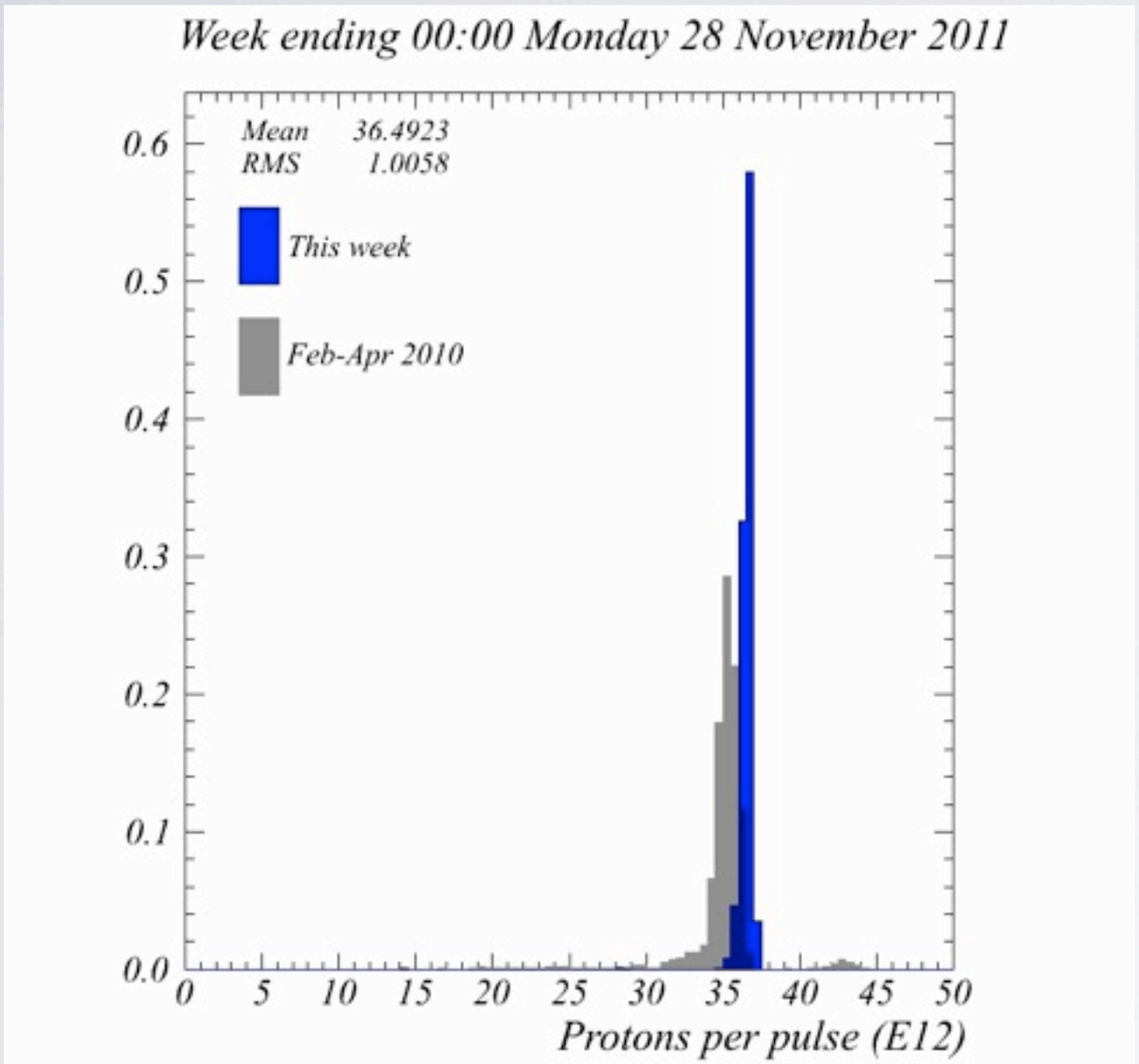


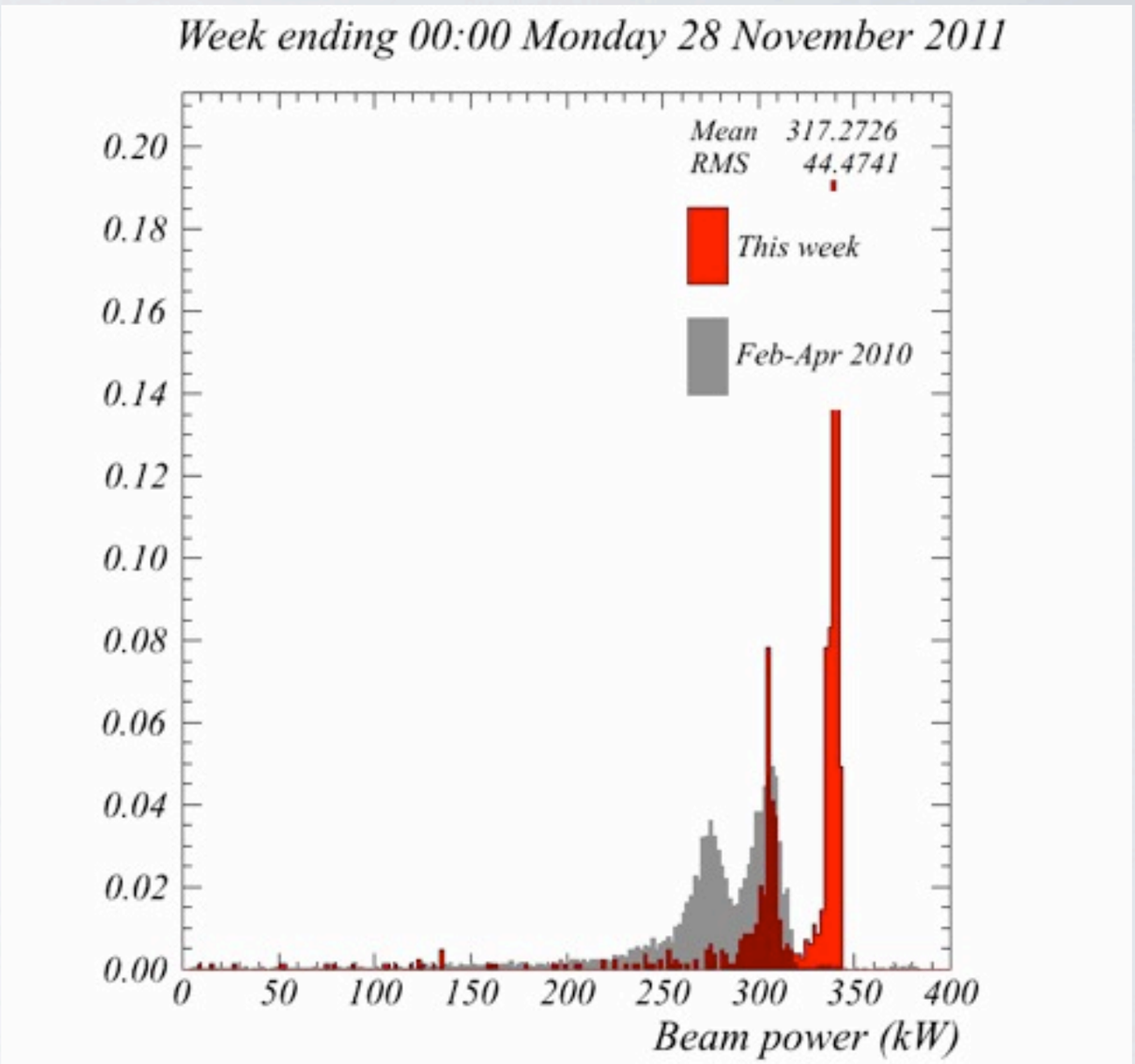
Accumulated POT to Nov. 24



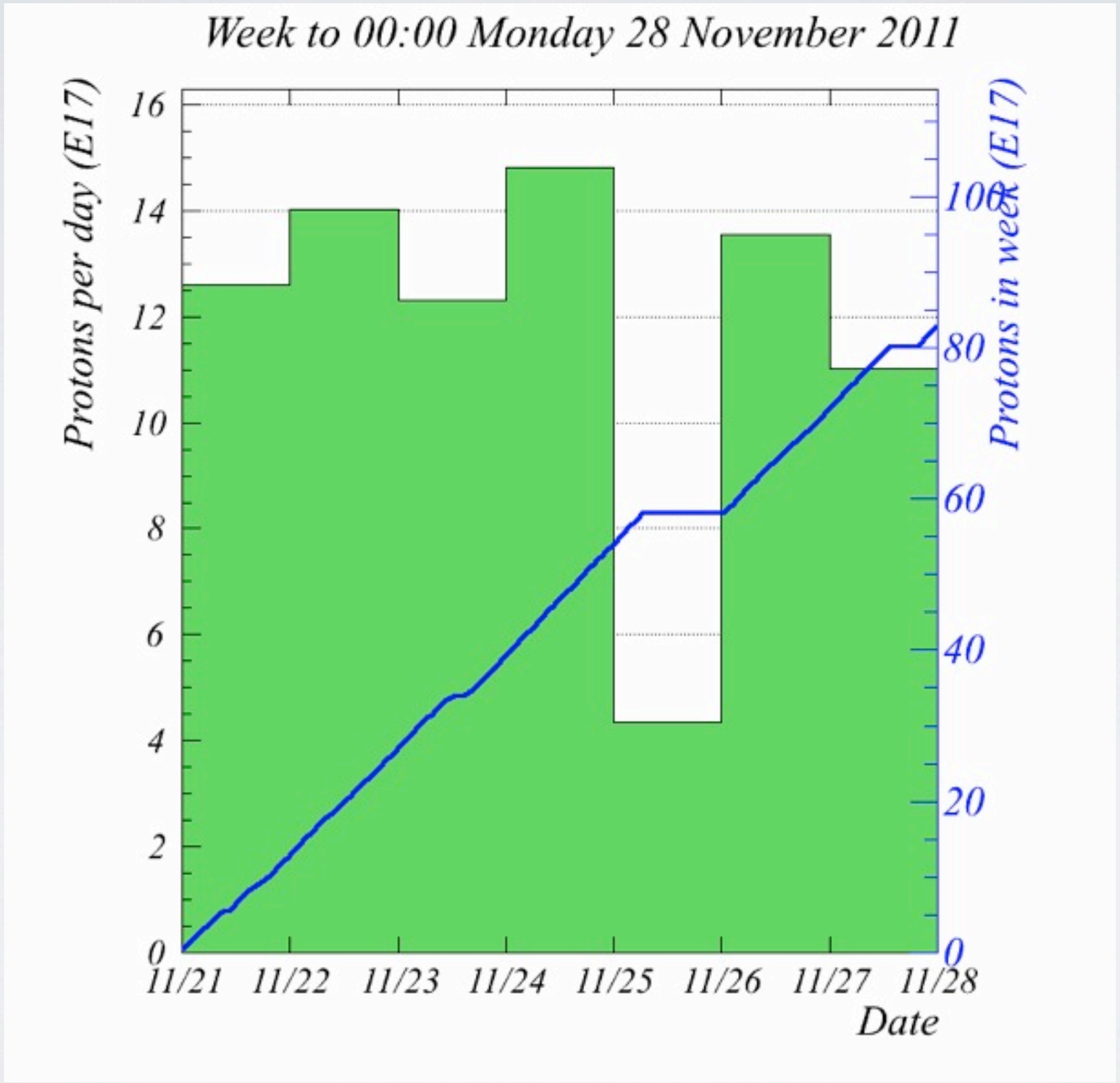
- Anti-ν run, full scale corresponds to 1.76×10^{20} POT
  - # POT for collected for anti-ν before Mar 23 10, official start of MINERνA ν run
- NT02 running gives enough anti−ν data for doubling of the 1st anti−ν data set.
- Minerva run , full scale corresponds to 4.9×10^{20} POT.
  - # for which MINERvA project & experiment were reviewed & the detector built.
- Projected assumes 0.93×10^{18} POT/day.
  - # POTs – average over the uptime during the past 1.5 years.
  - Actual plan not yet determined, this is one possible scenario.

NuMI Beam Plots

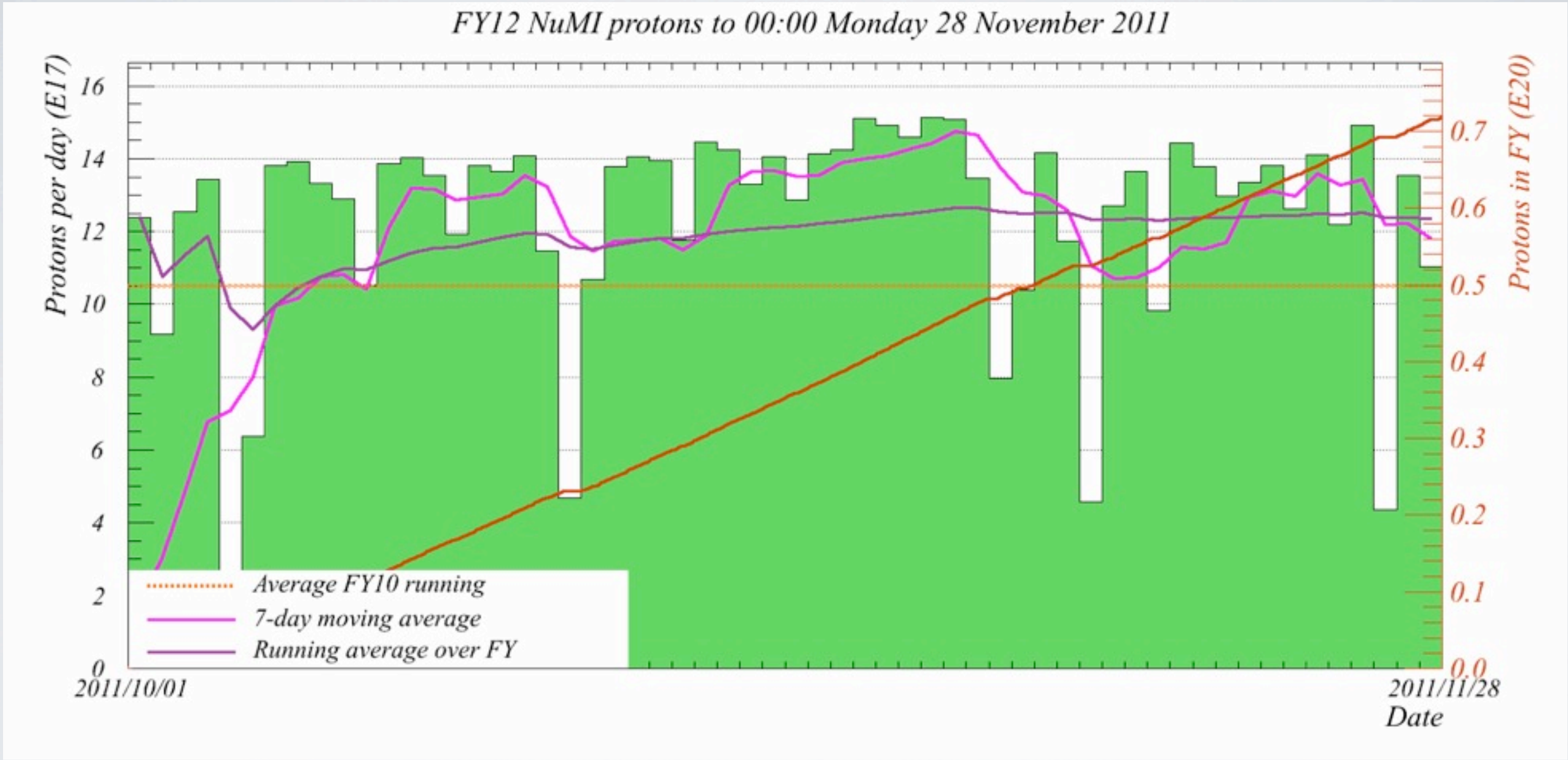
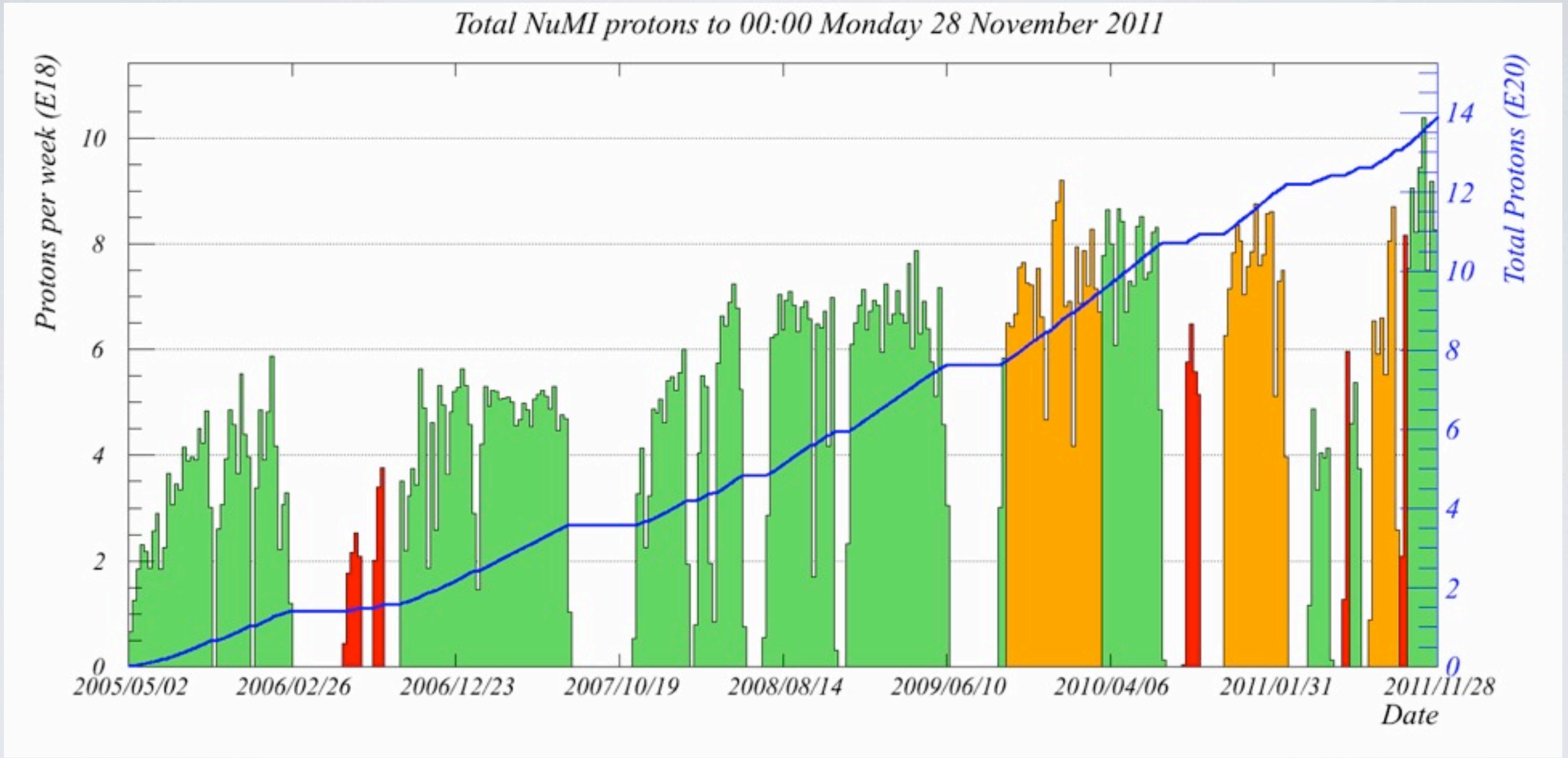




Protons for the Week



FY2011 Protons



NuMI Protons over History