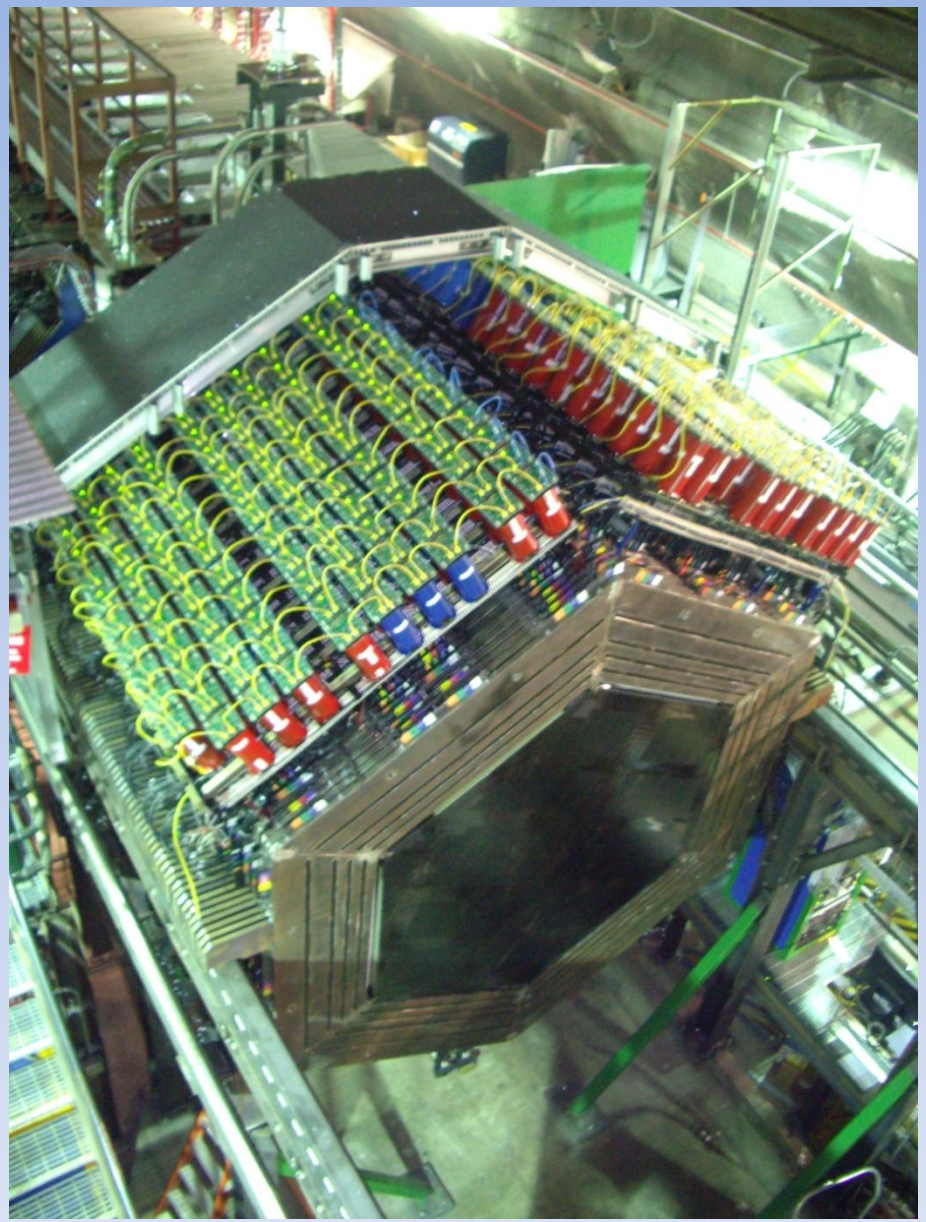


The MINERνA Operations Report

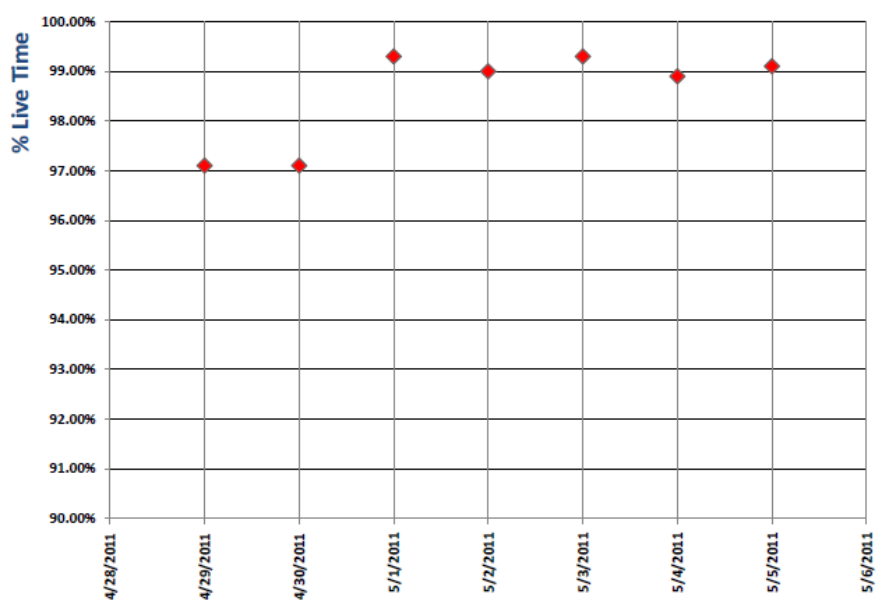
César Castromonte

All Experimenters Meeting, May 5, 2011

ν Data

% live time: Apr 29 – May 5

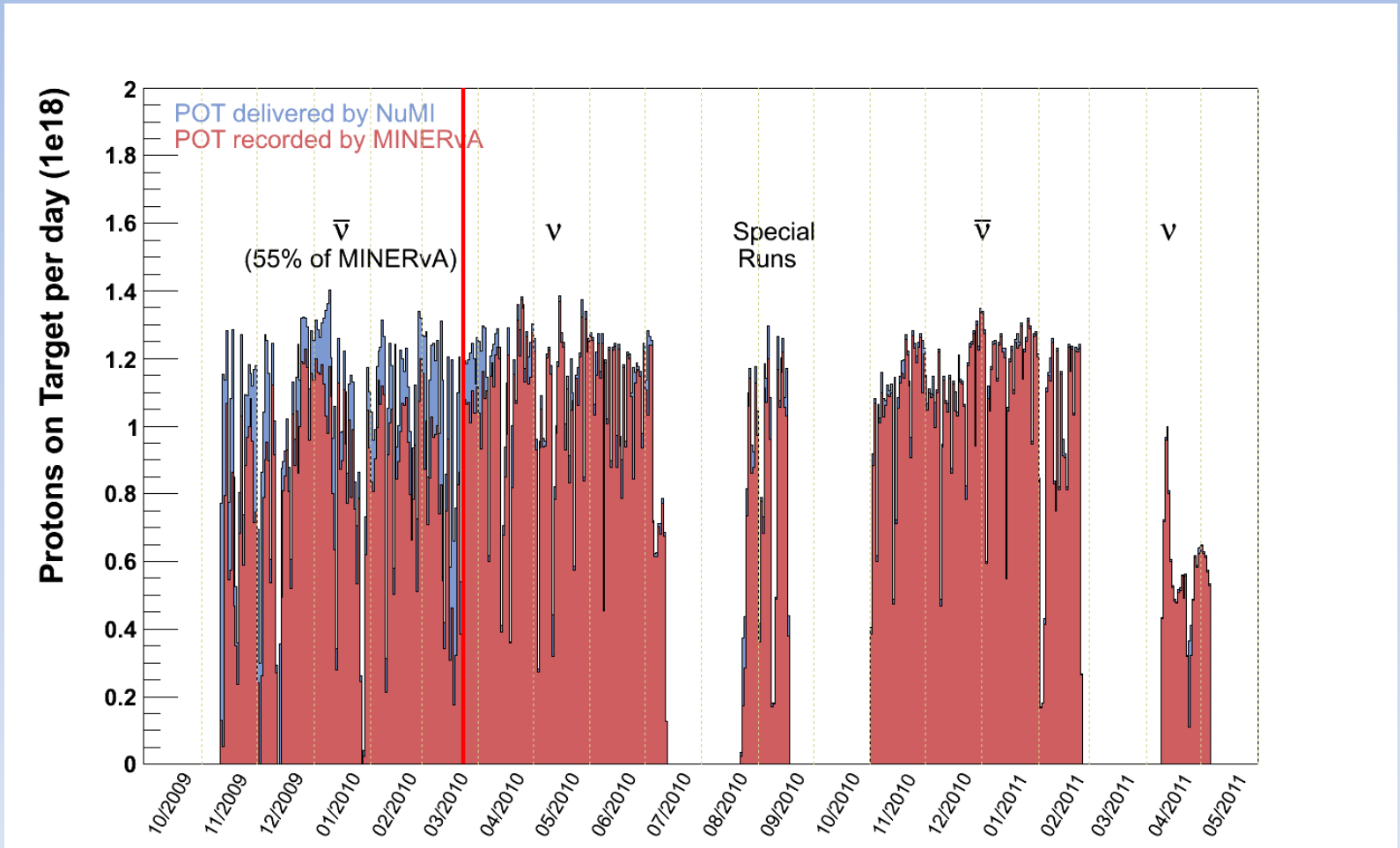
Date	NuMI Del. POT	MIN. Rec. POT	Live Time
29-Apr-2010	6.23E+017	6.41E+017	97.10%
30-Apr-2010	6.25E+017	6.44E+017	97.10%
01-May-2010	6.45E+017	6.50E+017	99.30%
02-May-2010	6.22E+017	6.28E+017	99.00%
03-May-2010	6.12E+017	6.17E+017	99.30%
04-May-2010	5.69E+017	5.76E+017	98.90%
05-May-2010	5.29E+017	5.34E+017	99.10%
Total	**4.29E+18**	**4.23E+18**	**98.50%**



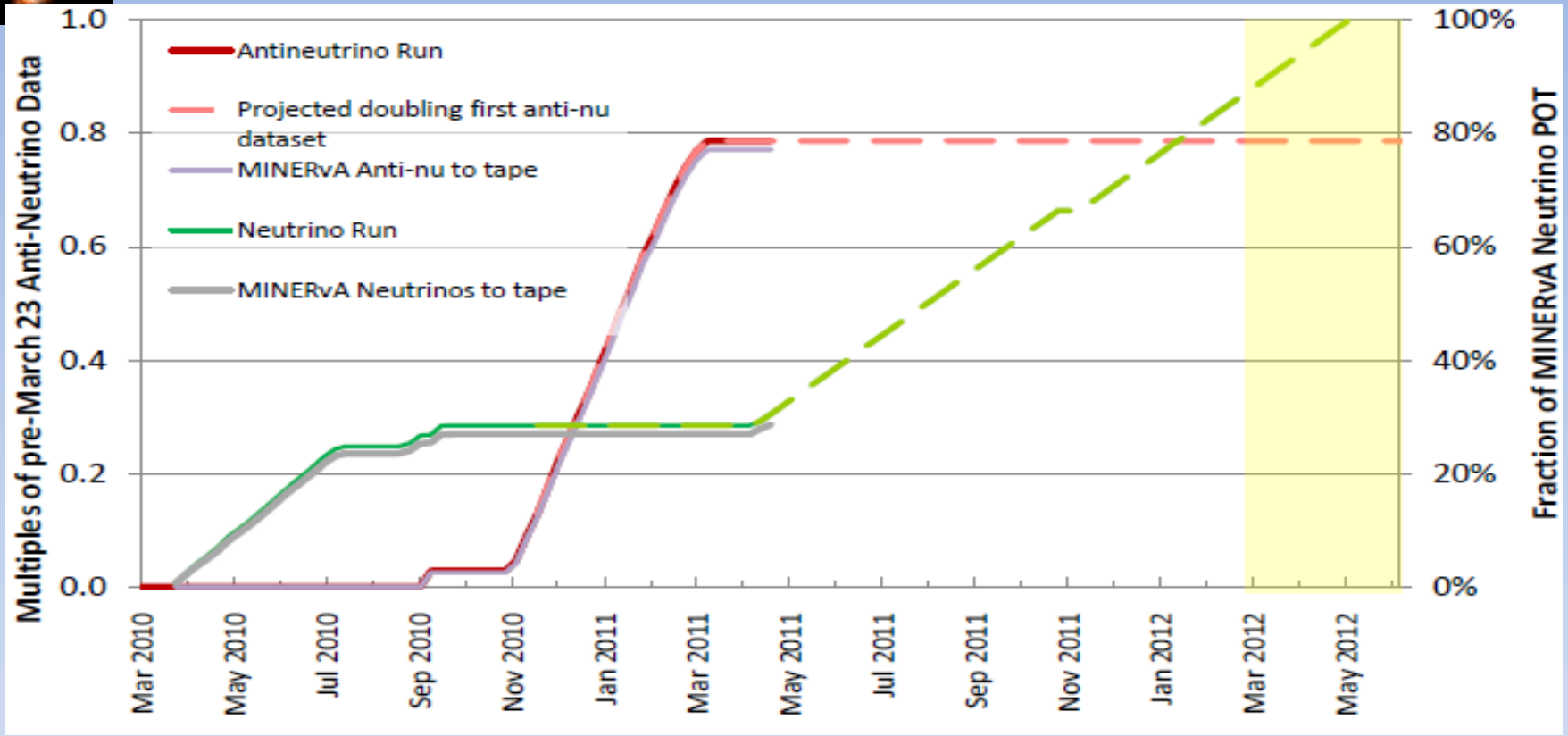
- **NuMI: 4.29x10^{18} POT** delivered from Apr 29 – May 5.
- **MINERvA: 4.23x10^{18} POT** recorded from Apr 29 - May 5, live time of **98.5%**.
- **MINOS: 4.18x10^{18} POT** recorded from Apr 29 - May 5, live time of **97.4%**.

- MINERvA has collected the requested 7x10^{18} POT's, running on ν mode, 0 horn current, LE 10.
- On May 2, the horn currents returned to their nominal value of 180kA in forward horn focusing.

MINERvA POT/Day
November 2009 - Present

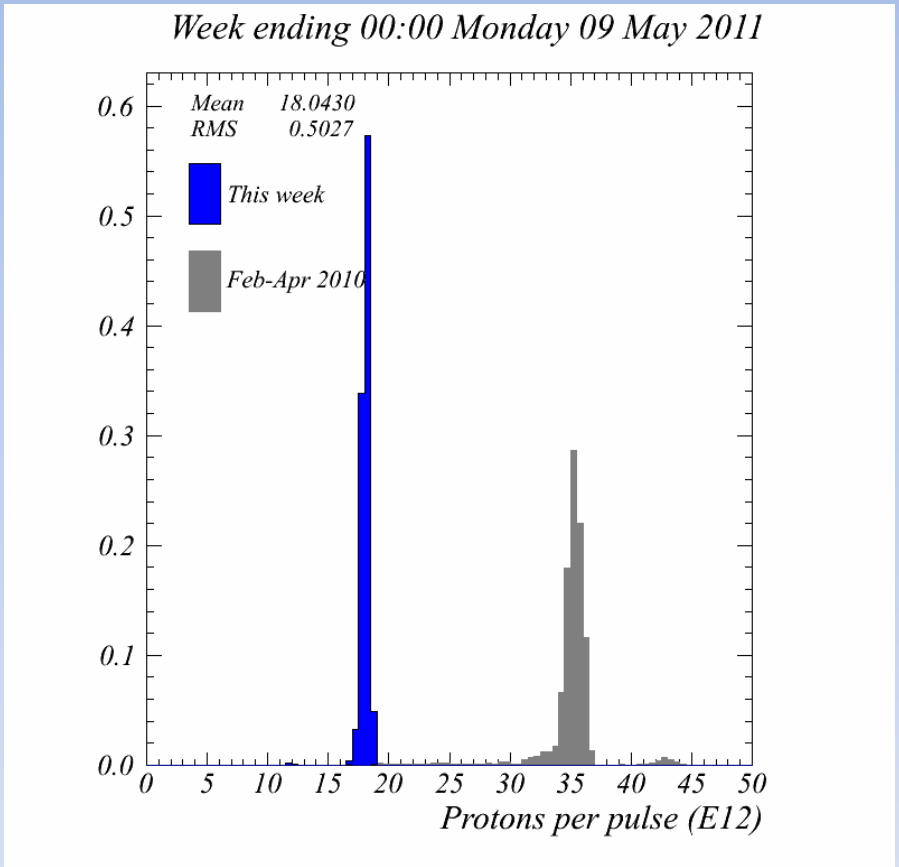


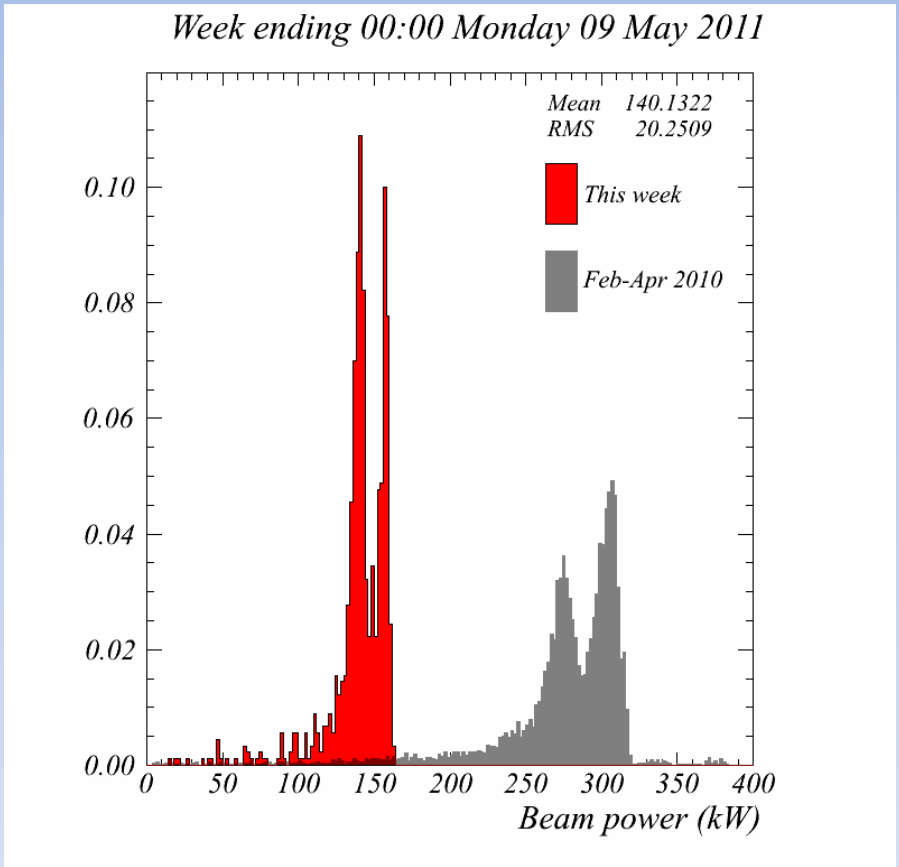
Accumulated POT to May 5



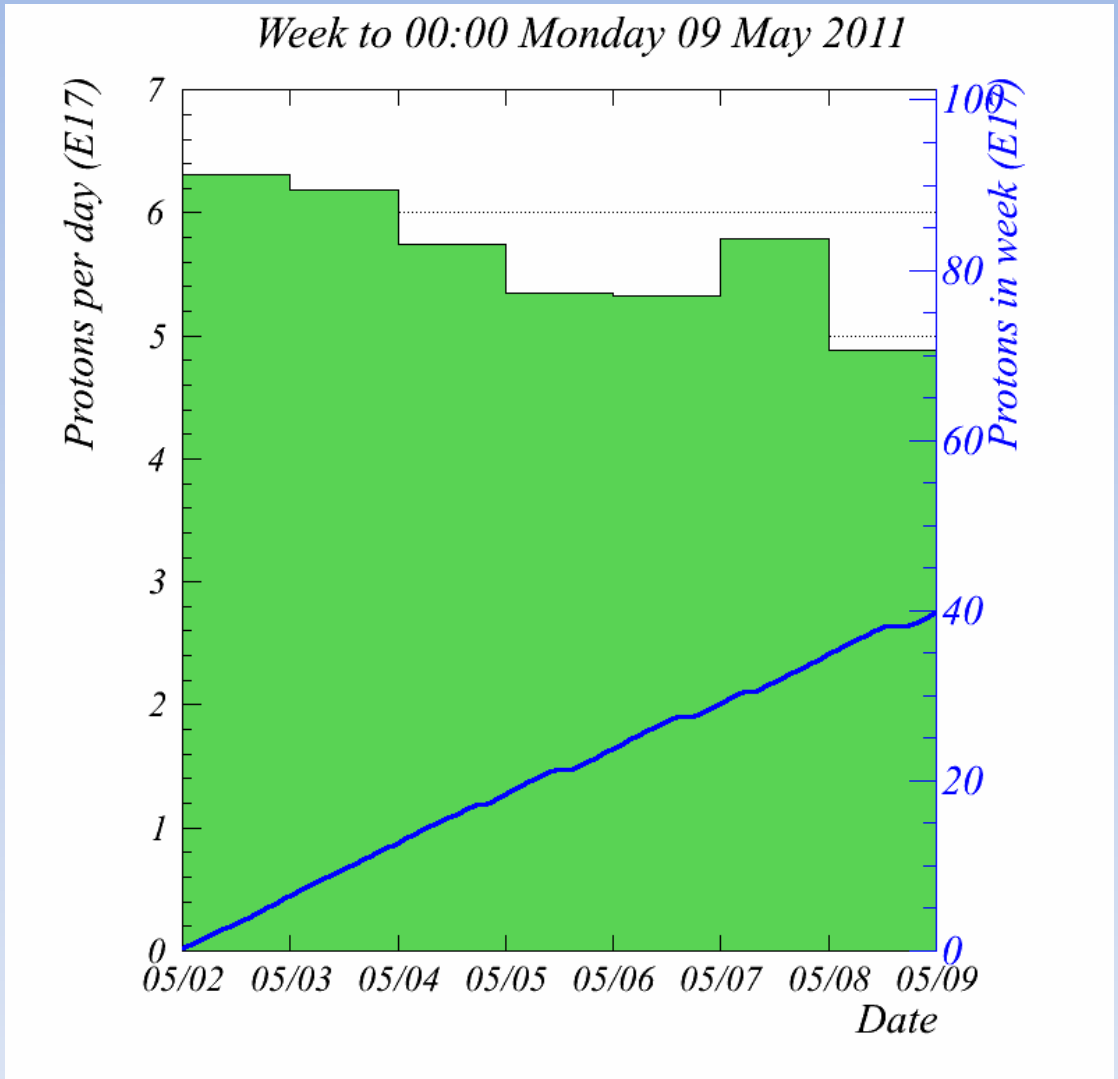
- Antineutrino Run, full scale corresponds to 1.76×10^{20} POT
  - # POT collected in anti-nu before Mar 23, 2010 (oficial start of MINERvA neutrino run).
- Neutrino Run, full scale corresponds to 4.9×10^{20} POT.
  - # of for which MINERvA project and experiment were reviewed and the detector built.
- Projected assume 0.92×10^{18}POT per day plus 2 week shutdown to change target
  - # POTs – average over the uptime during the past 1.5 years

NuMI Beam Plots

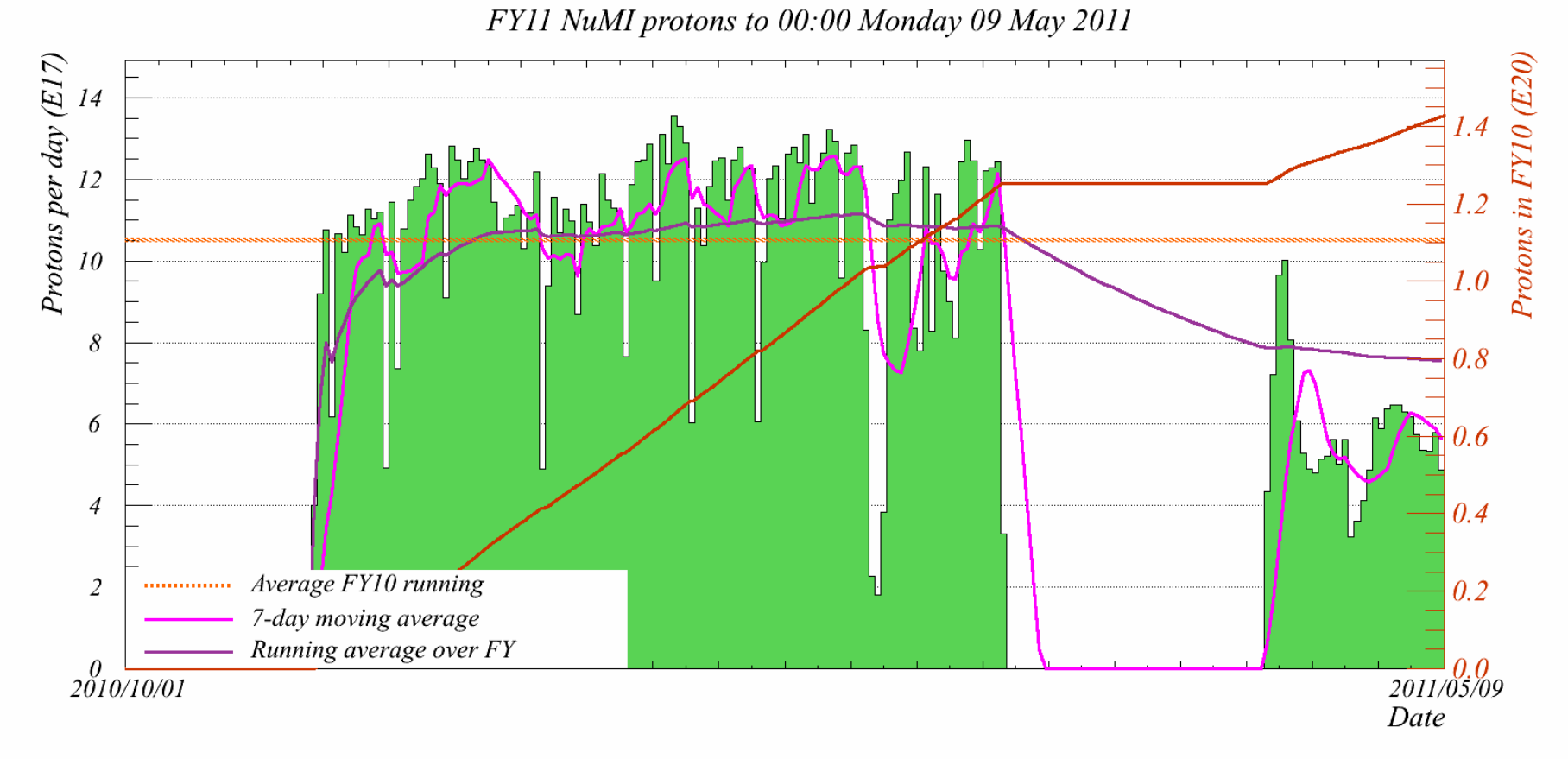




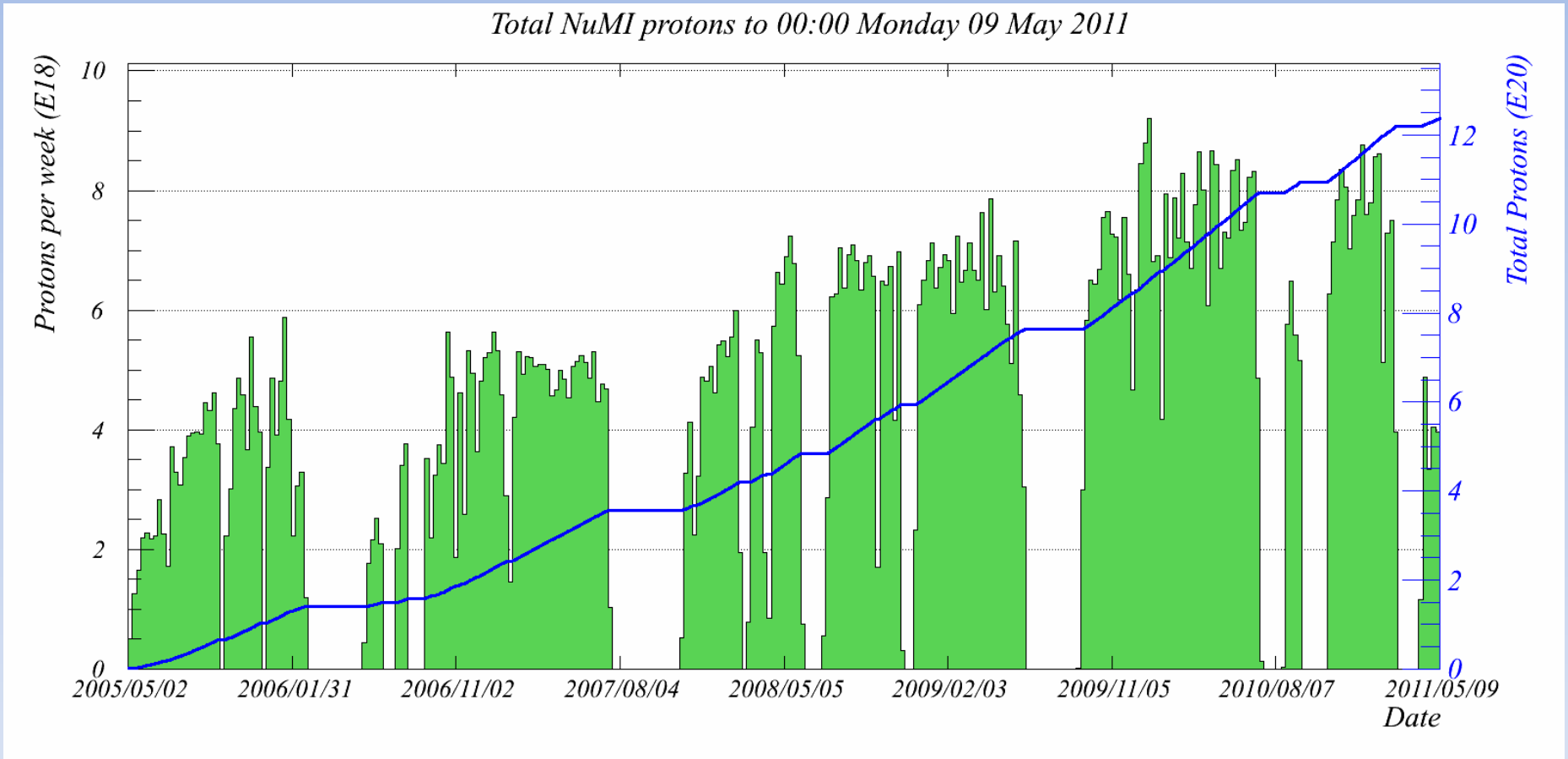
Protons for the Week



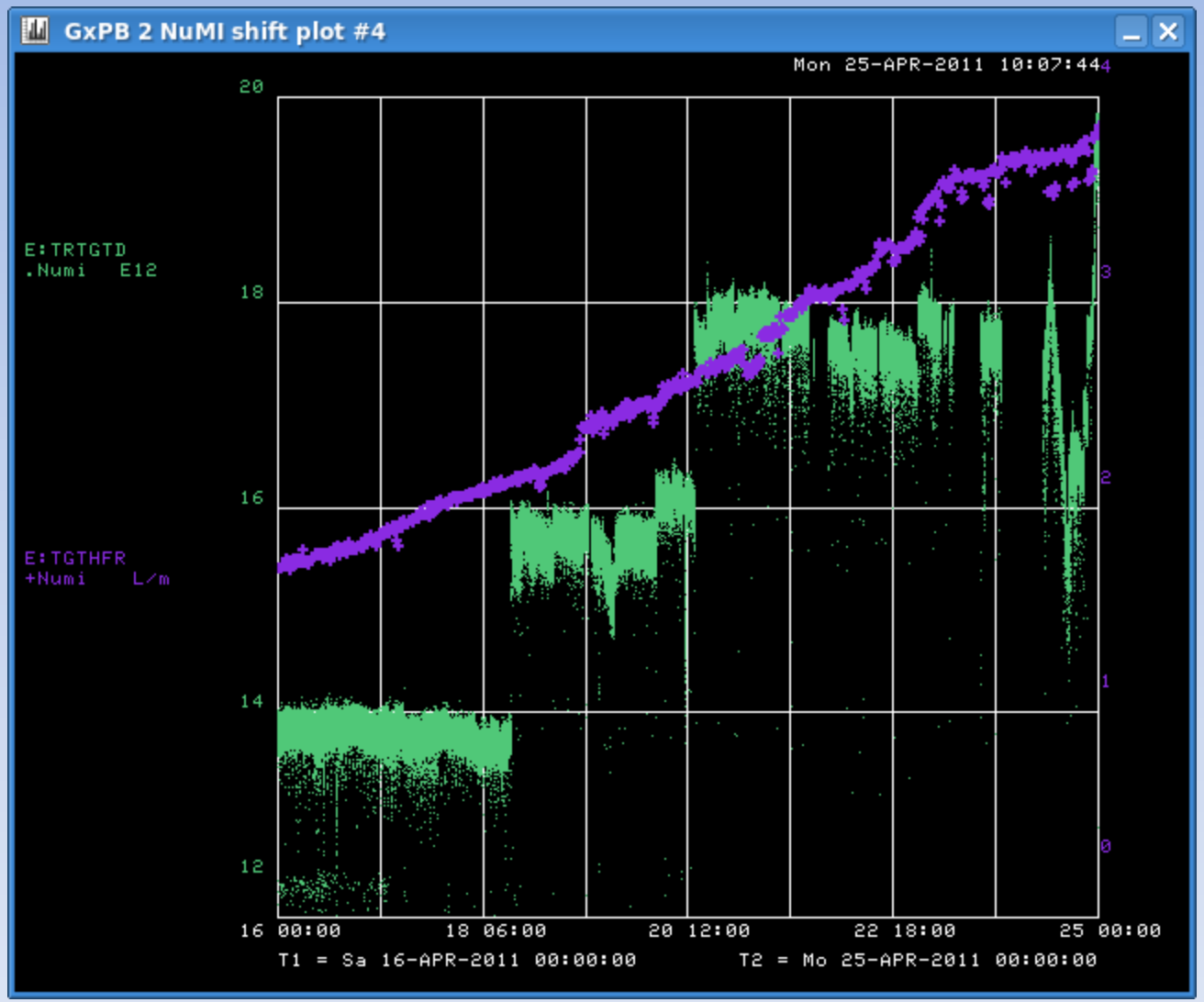
FY2011 Protons



NuMI Protons over History



Helium flow rate: May 2 – May 8



He leak rate

POT rate

Plot start midnight May 1, end midnight Apr 8.