

The MINERvA Operations Report

All Experimenters Meeting

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Feb 13 2012





ν Data



% live time Feb 8-9

Date	POT Recorded	POT Delivered	MINERvA Live Time	MINOS Live Time	Total Live Time
8-Feb-2012	2.37E+17	2.40E+17	98.8%		
9-Feb-2012	1.13E+18	1.14E+18	98.9%		
Total	1.37E+18	1.38E+18	98.9%	99.2%	98.0%

- 16.78×10^{19} POT with NT-07
- 15.48×10^{19} POT for ν , Oct 6 – Feb 12, LE10 with NT-07
- 0.55×10^{19} POT for ν , Feb 8-12
- 98.0% MINOS*MINERvA, Total live time Feb 8-9



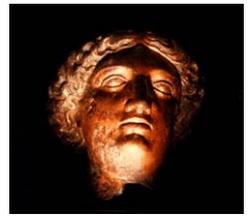
Tasks During Shutdown



- During the shutdown, we checked how well 10 optical cables were connected on the detector and PMTs. These showed low pulse height in our online plots. In certain cases we could not reach the optical connectors on the detector.
 - One of optical cables was pushed up during the installation of the water target, We pushed cable in, and it is transmitting the light according to our online line plots
 - 2 more optical cables now have normal pulse height
- A light leaks were created on the channels in a optical cable during the installation of the water target. Twice we made a new optical cable with the light leak channels blocked out, but new leaks appear on new channels of this cable
 - This will require further investigation as the problem might be at the optical connector on the detector
 - Cable not plugged in the PMT.



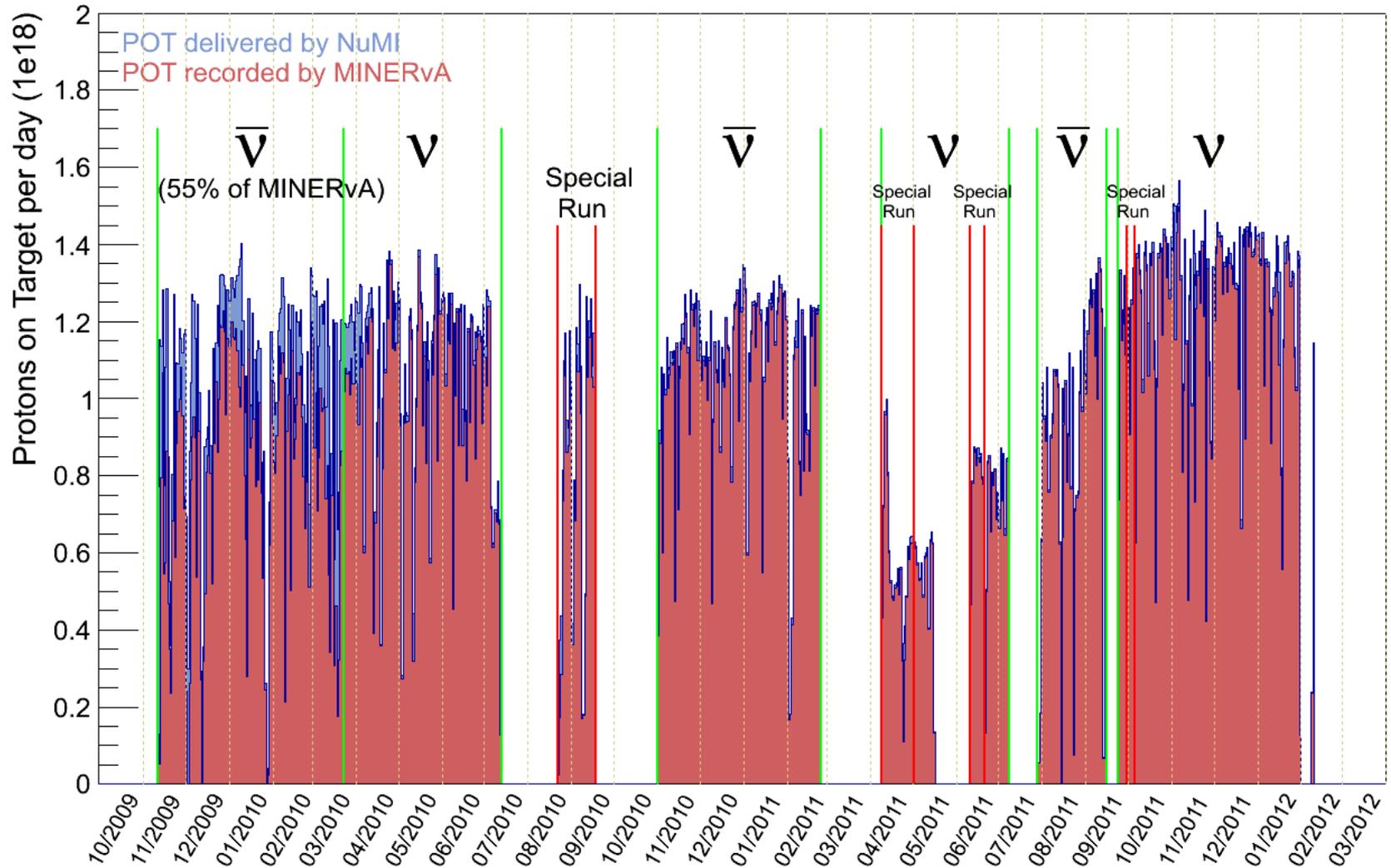
Tasks During Shutdown



- An investigate of a light leak in 2 optical cables created by the installation of the water target with a boroscope did not find the leak
 - These cables are not plugged into the PMT.
 - I think it is one tear in the light tight baggie
 - Continue investigating,
 - Right angle boroscope might help.

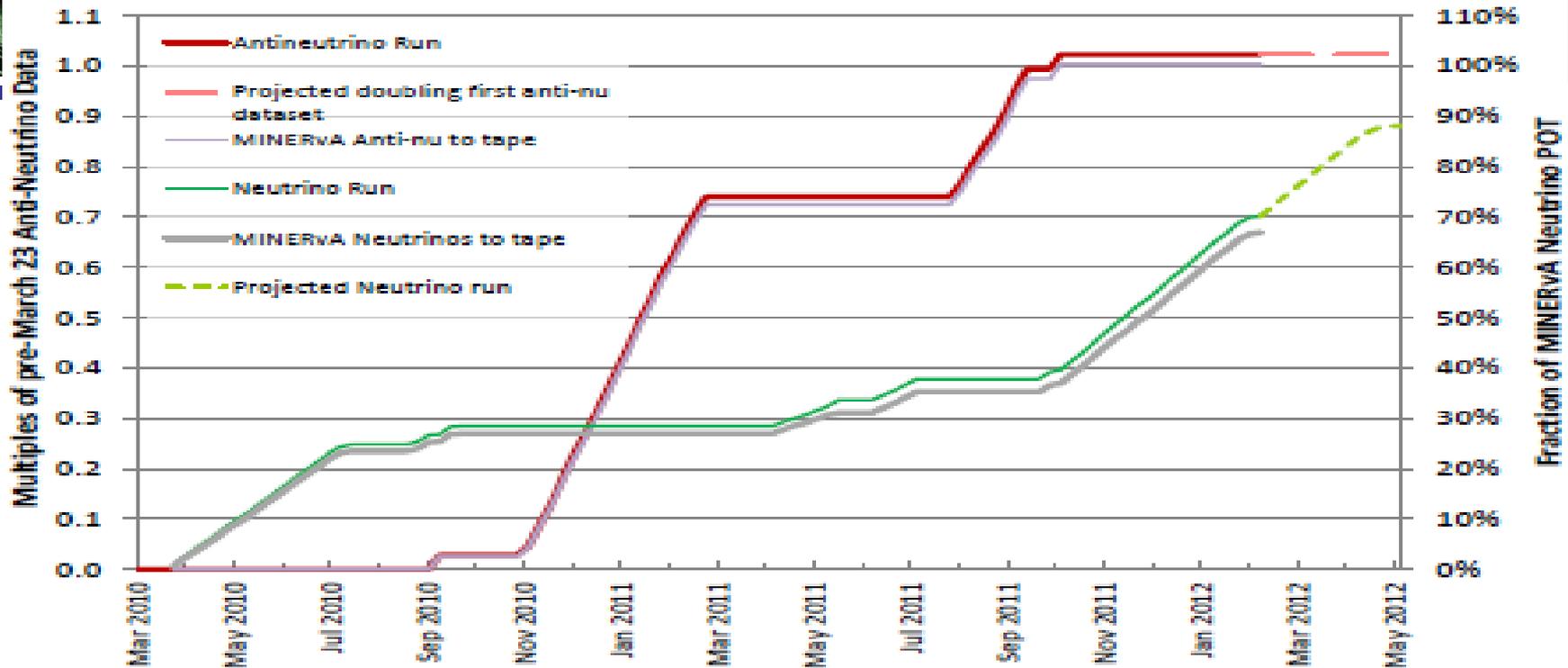


MINER_vA POT/Day Nov 2009 - Present





Accumulated POT to Feb 9



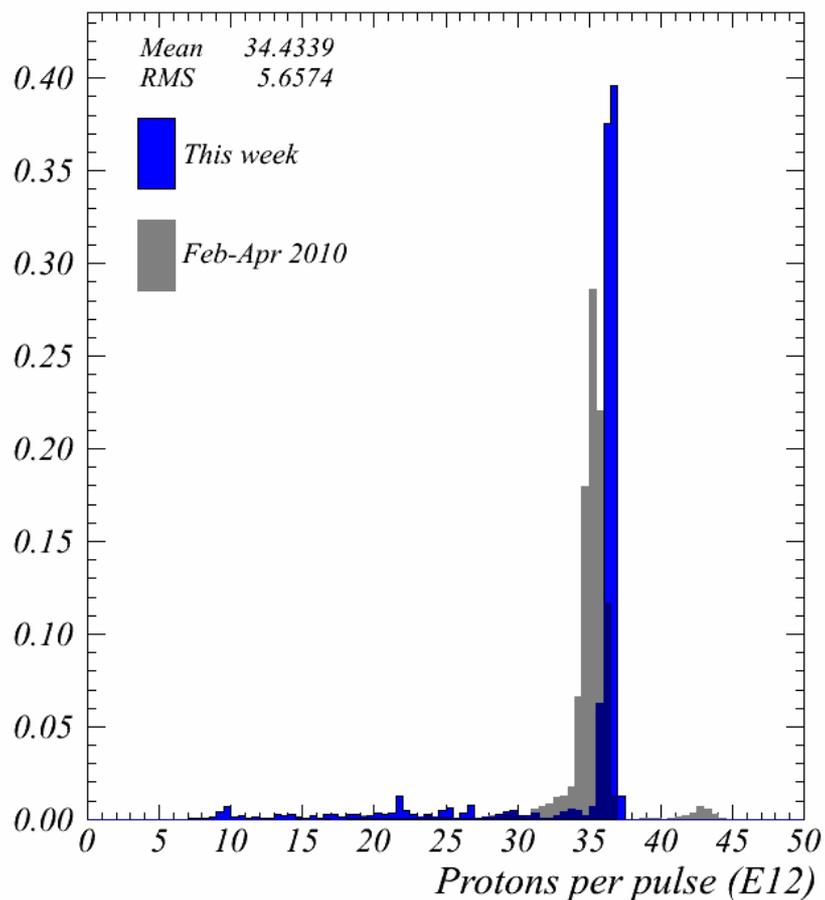
- Anti-ν run, full scale corresponds to 1.76×10^{20} POT
 - # POT for collected for anti-ν before Mar 23 10, official start of MINERvA ν run
- NT02 running gives enough anti-ν data for doubling of the 1st anti-ν data set.
- Minerva run, full scale corresponds to 4.9×10^{20} POT
 - # for which MINERvA project & experiment were reviewed & the detector built.
- Projected assumes 1.25×10^{18} POT/day
 - # POTs – average from Oct 2011 to now.
 - Assumes ½ intensity for last 2 weeks.



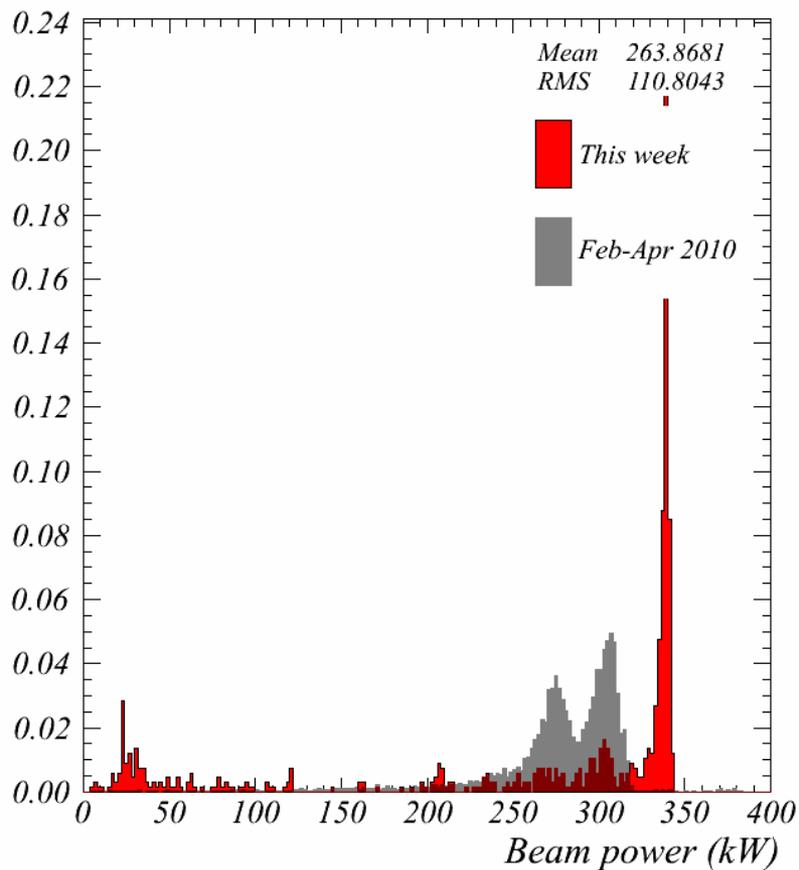
NuMI Beam Plots



Week ending 00:00 Monday 13 February 2012

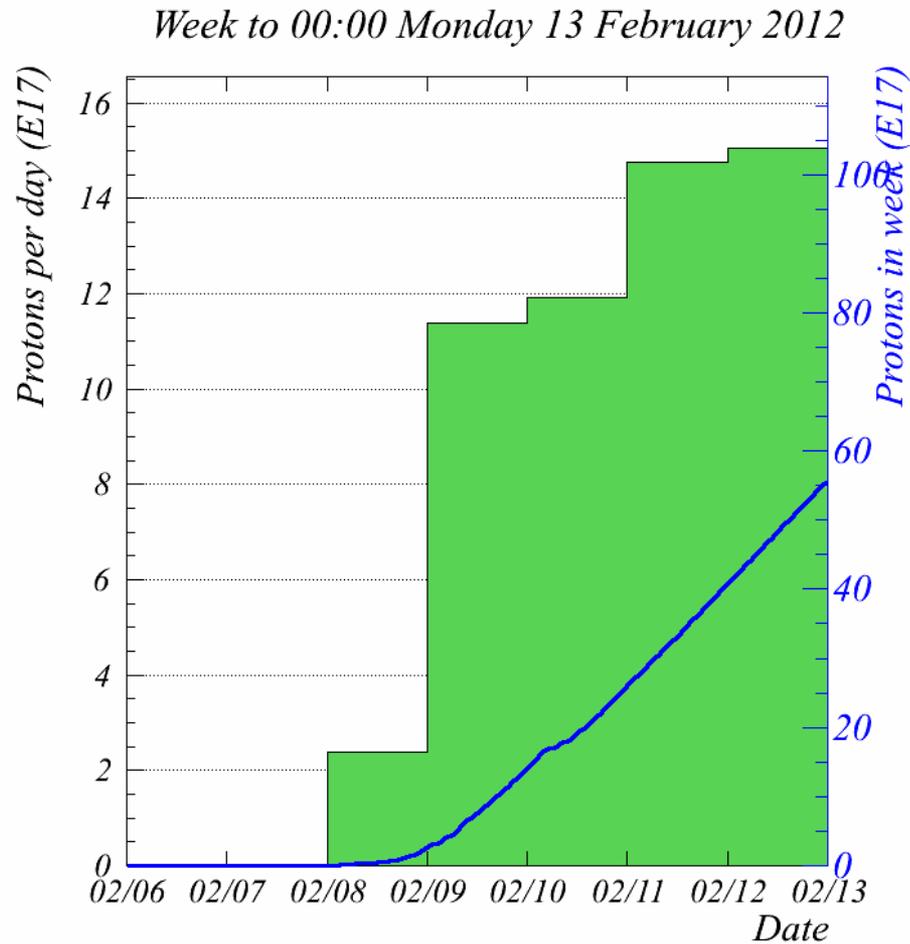


Week ending 00:00 Monday 13 February 2012





Protons for the Week

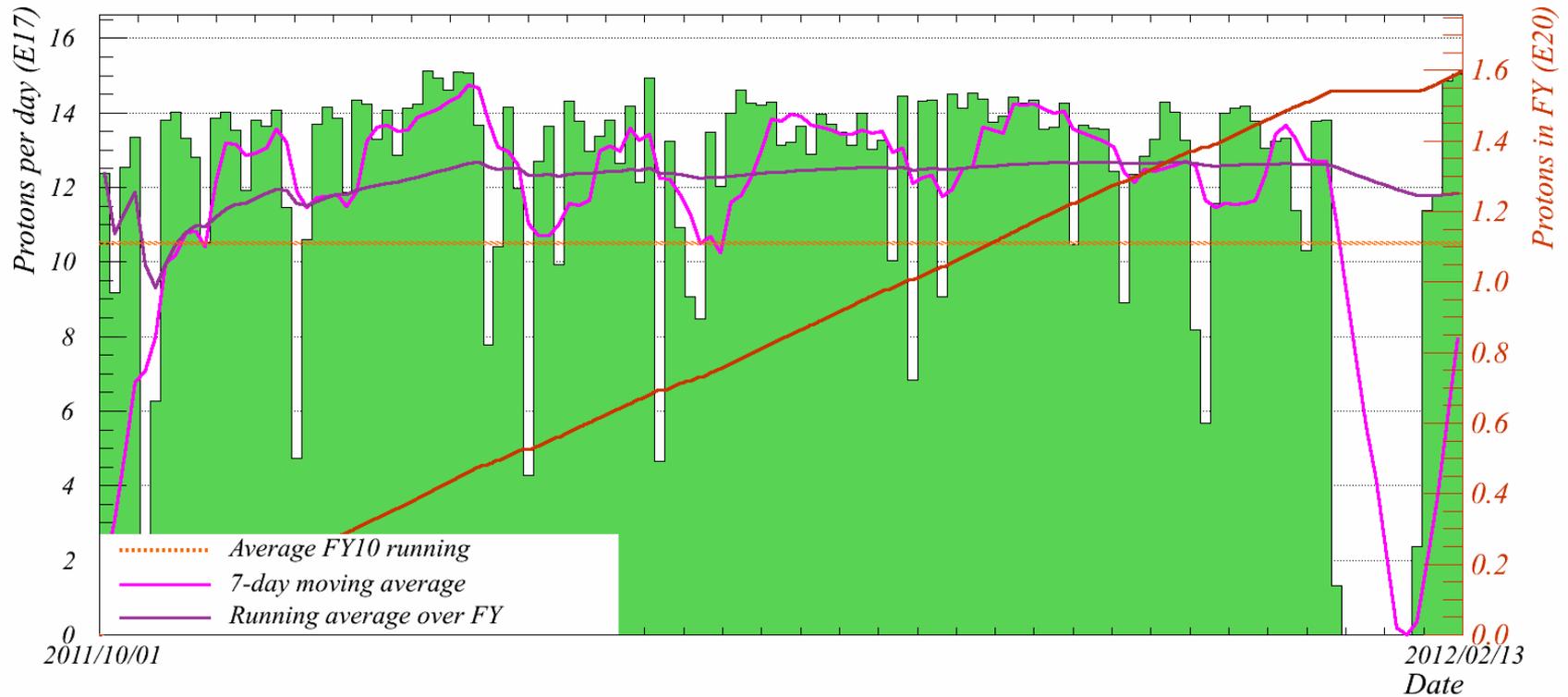




FY2012 Protons

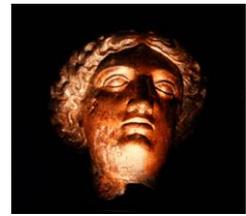


FY12 NuMI protons to 00:00 Monday 13 February 2012





NuMI Protons over History



Total NuMI protons to 00:00 Monday 13 February 2012

