

# The MINERvA Operations Report

## All Experimenters Meeting

Howard Budd, University of Rochester  
Dec 12, 2011



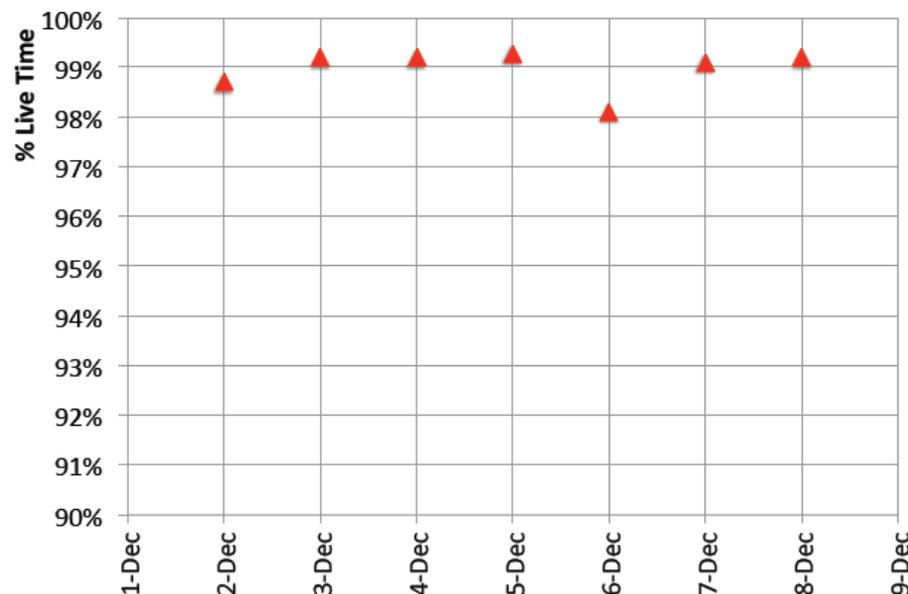


# $\nu$ Data



## % live time Dec 2-8

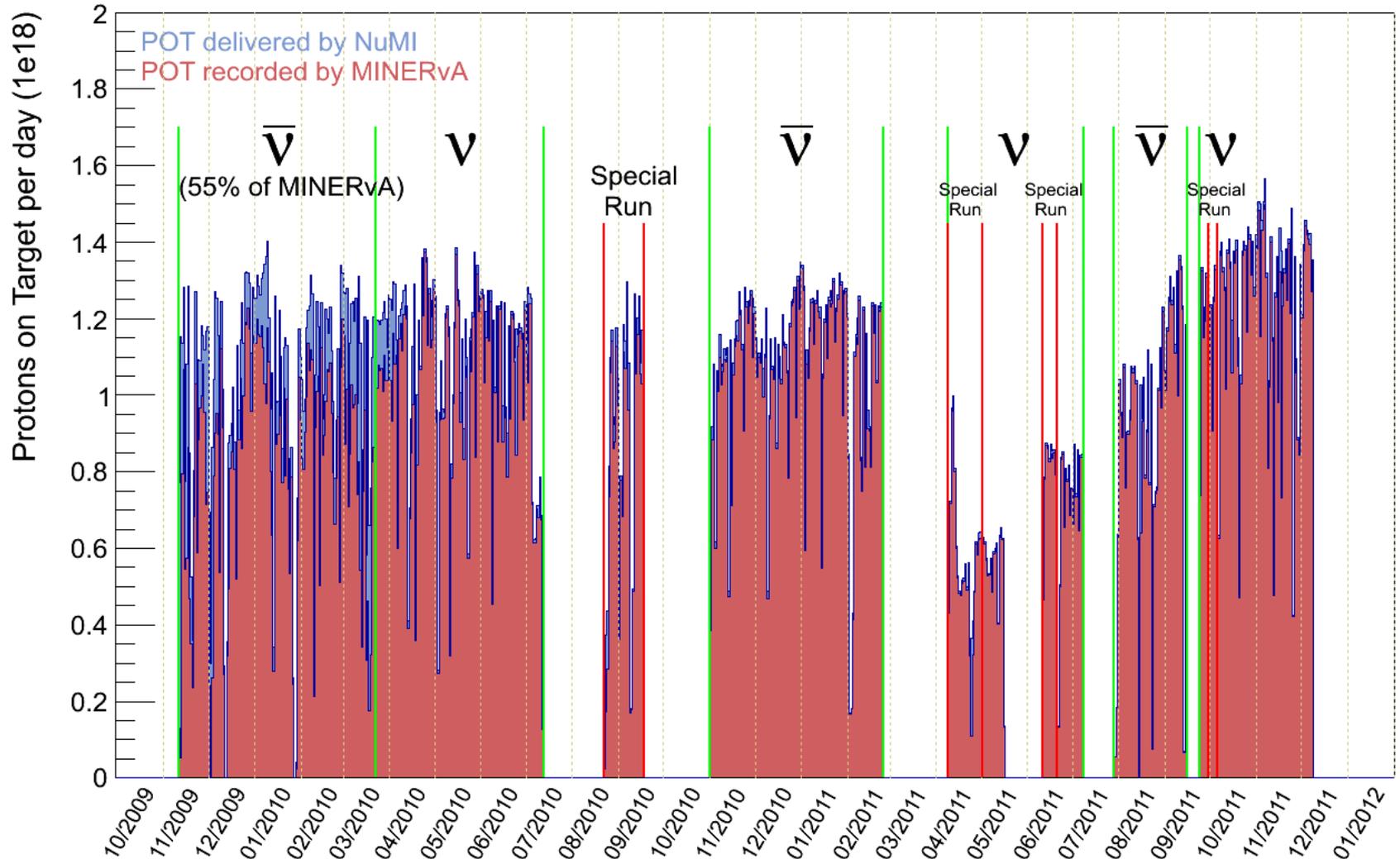
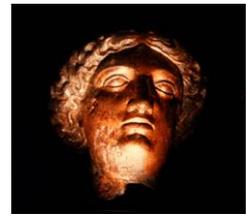
Date	POT Recorded	POT Delivered	Live Time
2-Dec-2011	1.38E+18	1.39E+18	98.7%
3-Dec-2011	1.44E+18	1.46E+18	99.2%
4-Dec-2011	1.42E+18	1.43E+18	99.2%
5-Dec-2011	1.41E+18	1.42E+18	99.3%
6-Dec-2011	1.40E+18	1.42E+18	98.1%
7-Dec-2011	1.27E+18	1.28E+18	99.1%
8-Dec-2011	1.34E+18	1.35E+18	99.2%
<b>Total</b>	<b>9.66E+18</b>	<b>9.76E+18</b>	<b>99.0%</b>



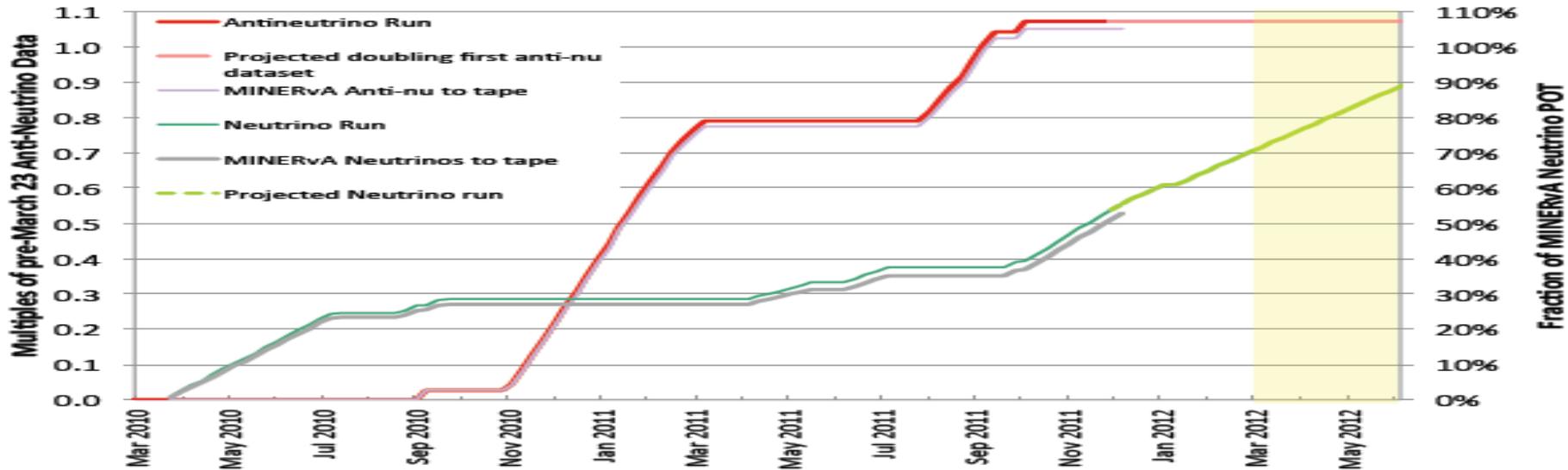
- $9.79 \times 10^{19}$  POT with NT-07
- $8.49 \times 10^{19}$  POT for  $\nu$ , Oct 6 – Dec 11, LE10 with NT-07
  - $0.95 \times 10^{19}$  POT for  $\nu$ , Dec 5-11
- 98.1 % Total live time Dec 2 – 8
  - 99.0% MINERvA live time Dec 2 – 8
  - 99.1% MINOS live time Dec 2 – 8



# MINERvA POT/Day Nov 2009 - Present



# Accumulated POT to Dec 8



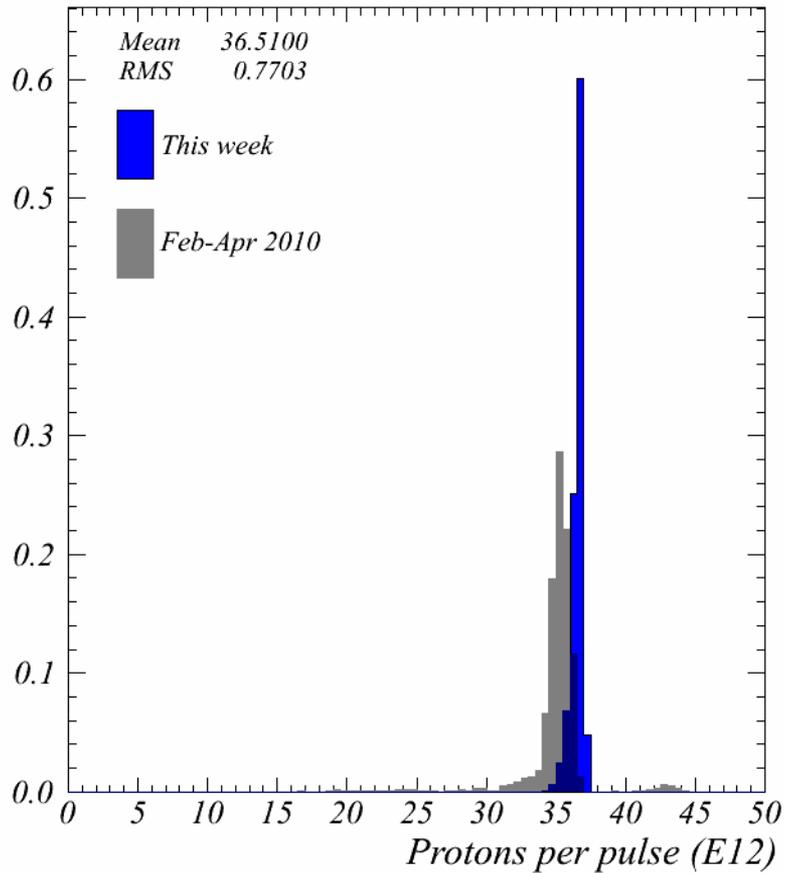
- Anti- $\nu$  run, full scale corresponds to  $1.76 \times 10^{20}$  POT
  - # POT for collected for anti- $\nu$  before Mar 23 10, official start of MINERvA  $\nu$  run
- NT02 running gives enough anti- $\nu$  data for doubling of the 1<sup>st</sup> anti- $\nu$  data set.
- Minerva run, full scale corresponds to  $4.9 \times 10^{20}$  POT
  - # for which MINERvA project & experiment were reviewed & the detector built.
- Projected assumes  $0.92 \times 10^{18}$  POT/day
  - # POTs – average over the uptime during the past 1.5 years
  - Actual run plan not yet determined, this is one possible scenario



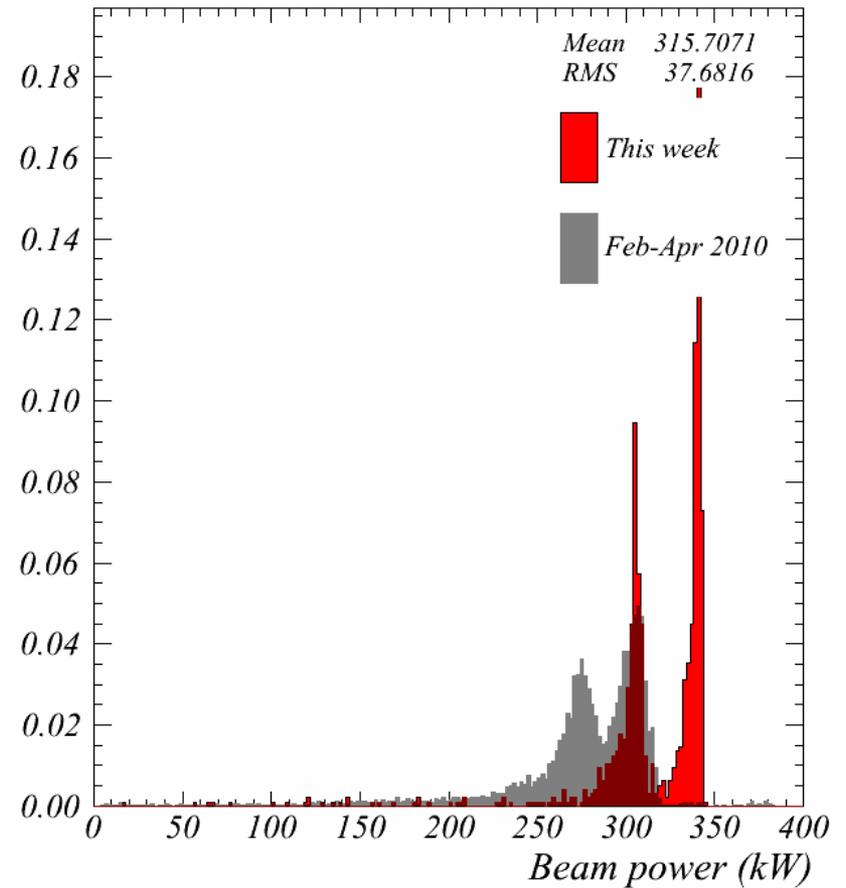
# NuMI Beam Plots



week ending 00:00 Monday 12 December 2011

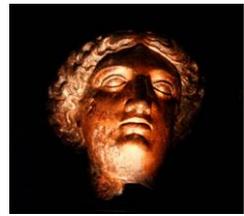


Week ending 00:00 Monday 12 December 2011

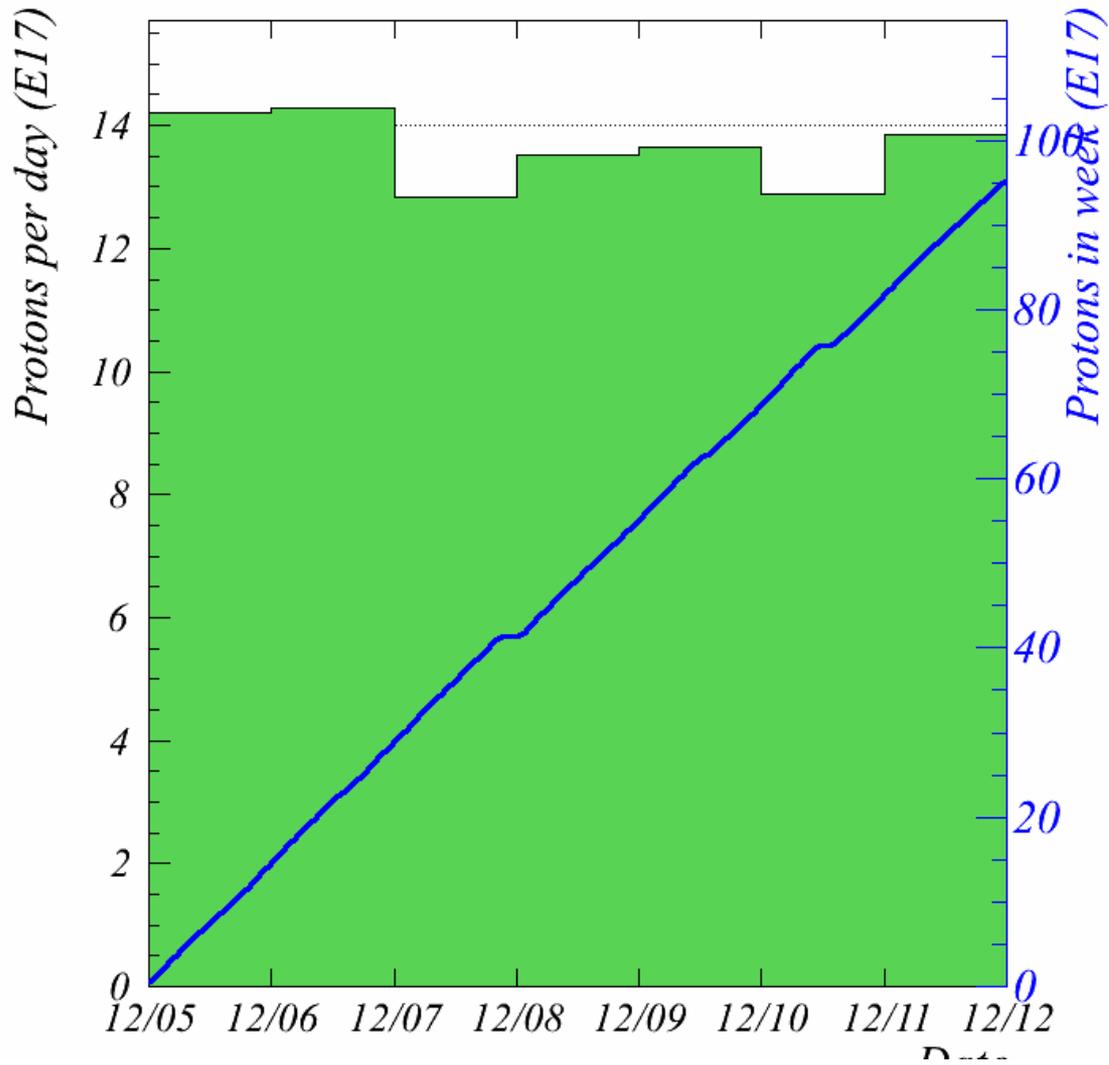




# Protons for the Week

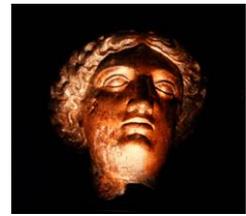


*Week to 00:00 Monday 12 December 2011*





# FY2012 Protons



Total NuMI protons to 00:00 Monday 12 December 2011

