

The MINERvA Operations Report

All Experimenters Meeting

Howard Budd, University of Rochester
May 2, 2011

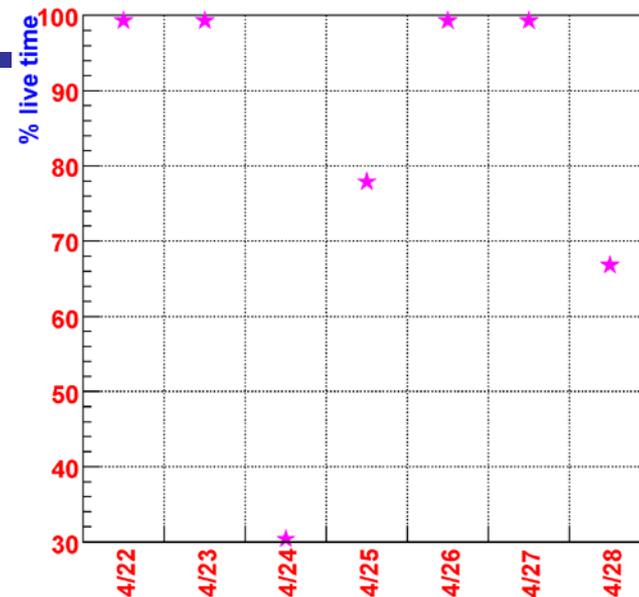




v Data

% live time Apr 22 – Apr 28

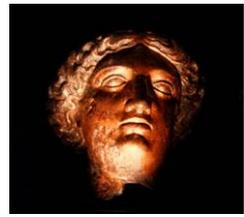
Date	POT Recorded	POT Delivered	Live Time	Comment
4/22/2011	5.58E+017	5.62E+017	99.3%	
4/23/2011	3.20E+017	3.22E+017	99.3%	
4/24/2011	1.11E+017	3.65E+017	30.4%	Ceiling water
4/25/2011	3.21E+017	4.12E+017	77.9%	Ceiling water
4/26/2011	4.85E+017	4.89E+017	99.3%	
4/27/2011	6.12E+017	6.16E+017	99.3%	
4/28/2011	3.93E+017	5.88E+017	66.8%	Processing
Total	2.80E+018	3.35E+018	83.5%	



- Limit 1.8×10^{13} POT/pulse for target, He leak rate = 4.6 lt/min
- We just switched to 185KA horn current in v mode,
 - We have taken 0.72×10^{19} POT with 0 horn current
 - 1.34×10^{19} POT From Apr 9 – May 1
- 0.40×10^{19} POT delivered from Apr 25 – May 1
- 83.5% live from Apr 22 – Apr 28, 0.335×10^{19} POT
 - Processing problem on Apr 28
 - Rain storm in MINOS Hall on early morning Apr 24



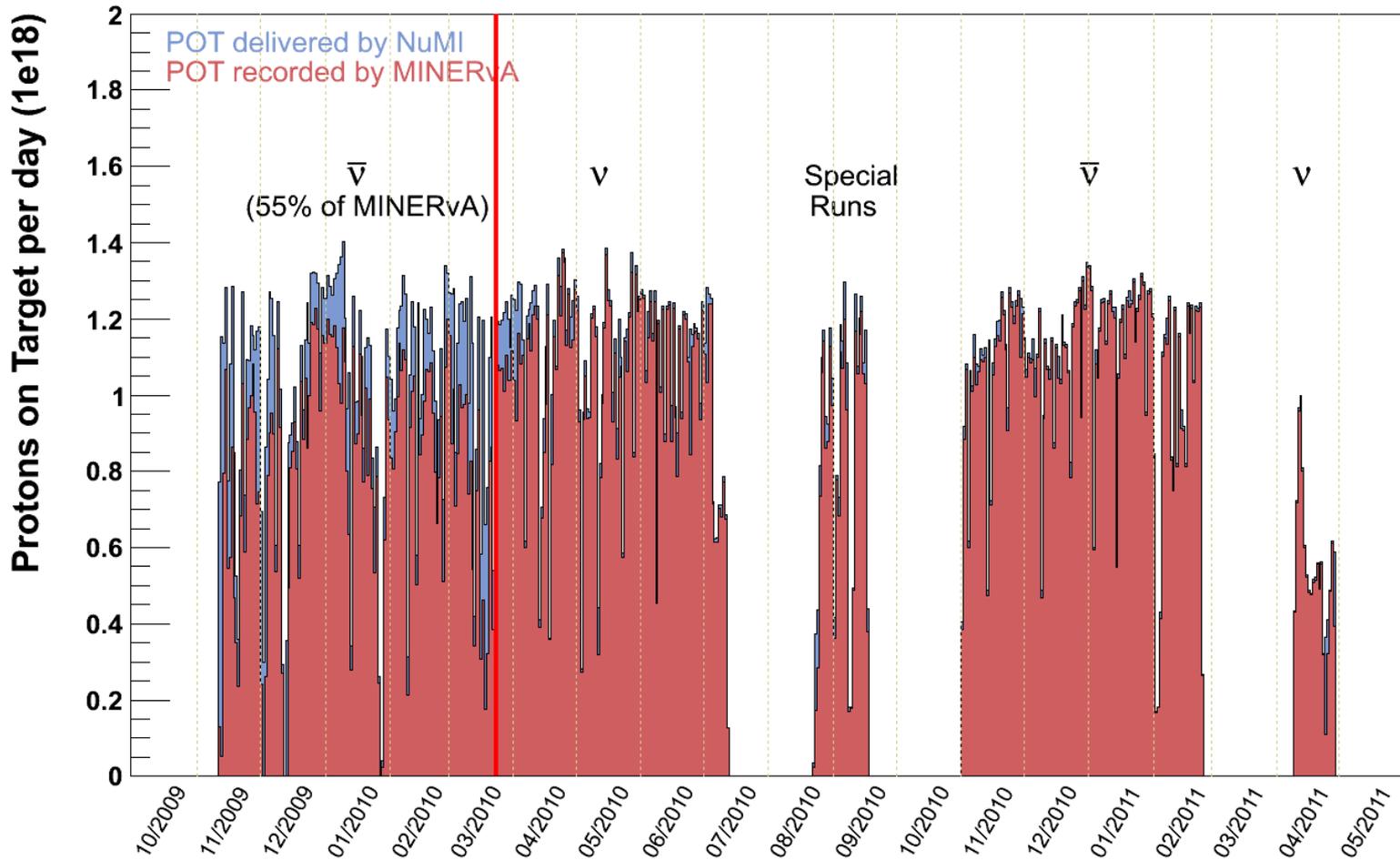
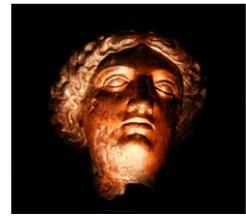
Easter Rain



- Drainage pipe clogged and water came down from here on the FEB/PMTs
- A quick setup by a grad student controls the water leak on the detector
- We would like to thank John Cornele, Bill Moorehouse, Aria Soha, and Mike Andrews for coming in on Easter morning to fix the problem.
- Took almost 2 days to recover from this water leak.

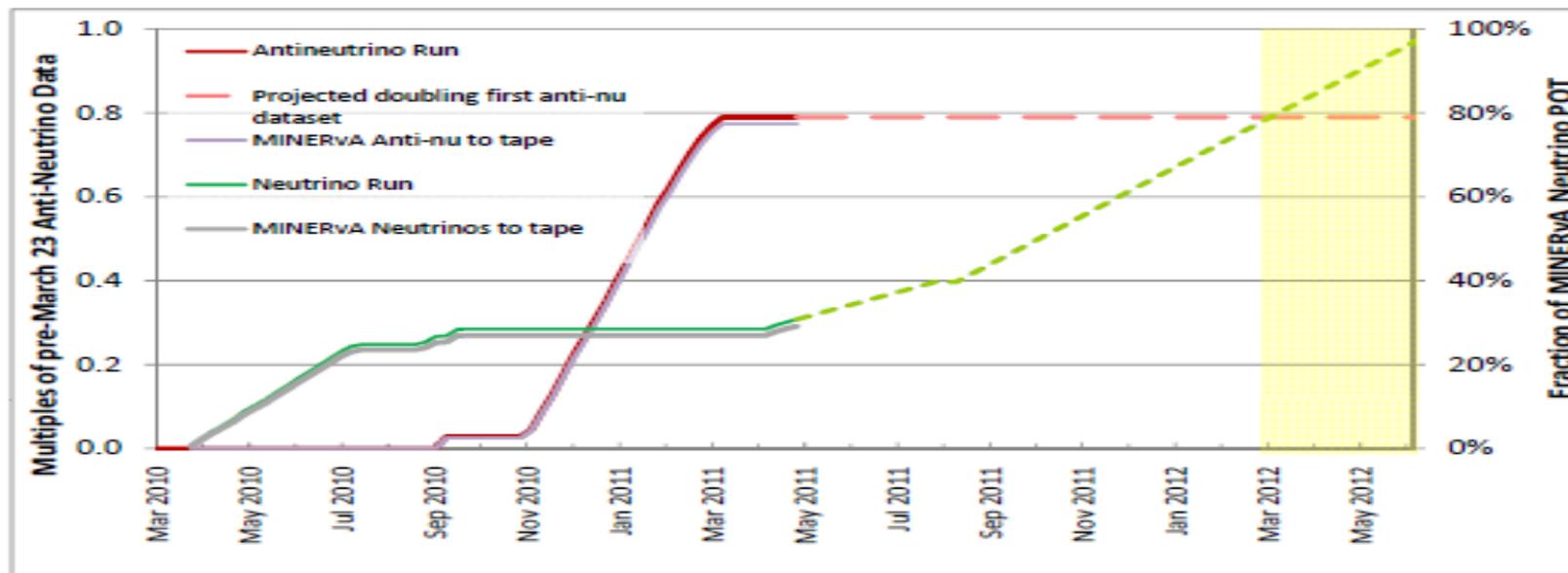


MINERvA POT/Day March 2010 - Present





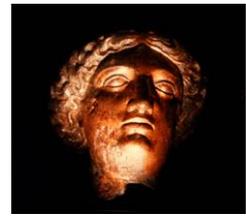
Accumulated POT to Apr 14



- 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
- Minerva run , full scale corresponds to 4.9×10^{20} POT
 - # for which MINERvA project & experiment were reviewed & the detector built.
- Projected assumes 0.92×10^{18} POT/day and adding the limit of 1.8×10^{12} POT/pulse plus 2 week shutdown in Aug 2011 to change target
 - # POTs – average over the uptime during the past 1.5 years
 - Actual run plan not yet determined, this is one possible scenario

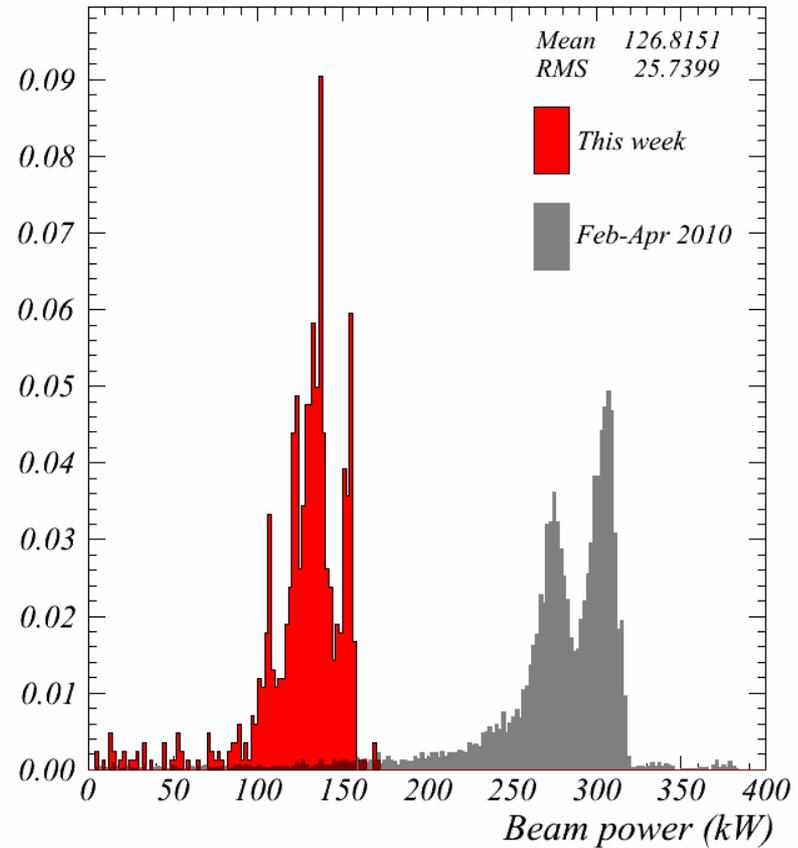
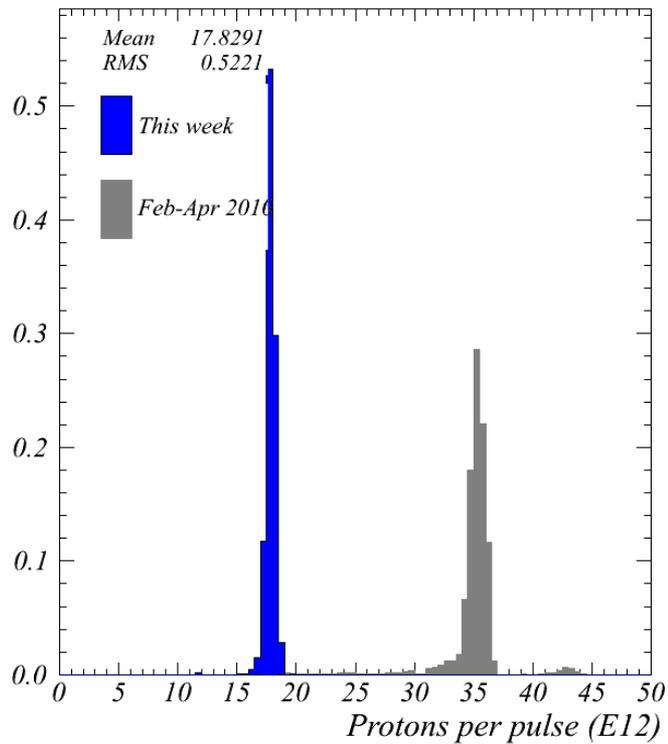


NuMI Beam Plots



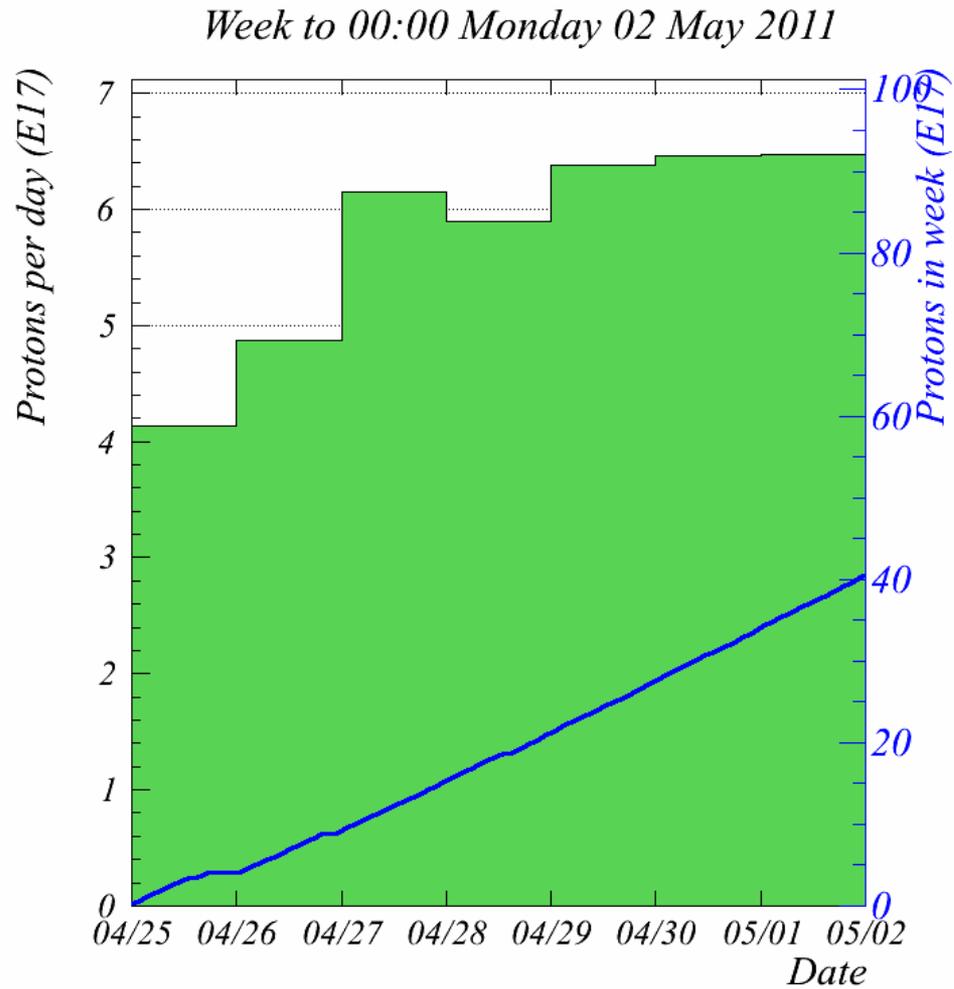
Week ending 00:00 Monday 25 April 2011

Week ending 00:00 Monday 02 May 2011



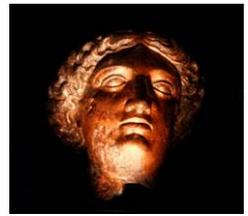


Protons for the Week

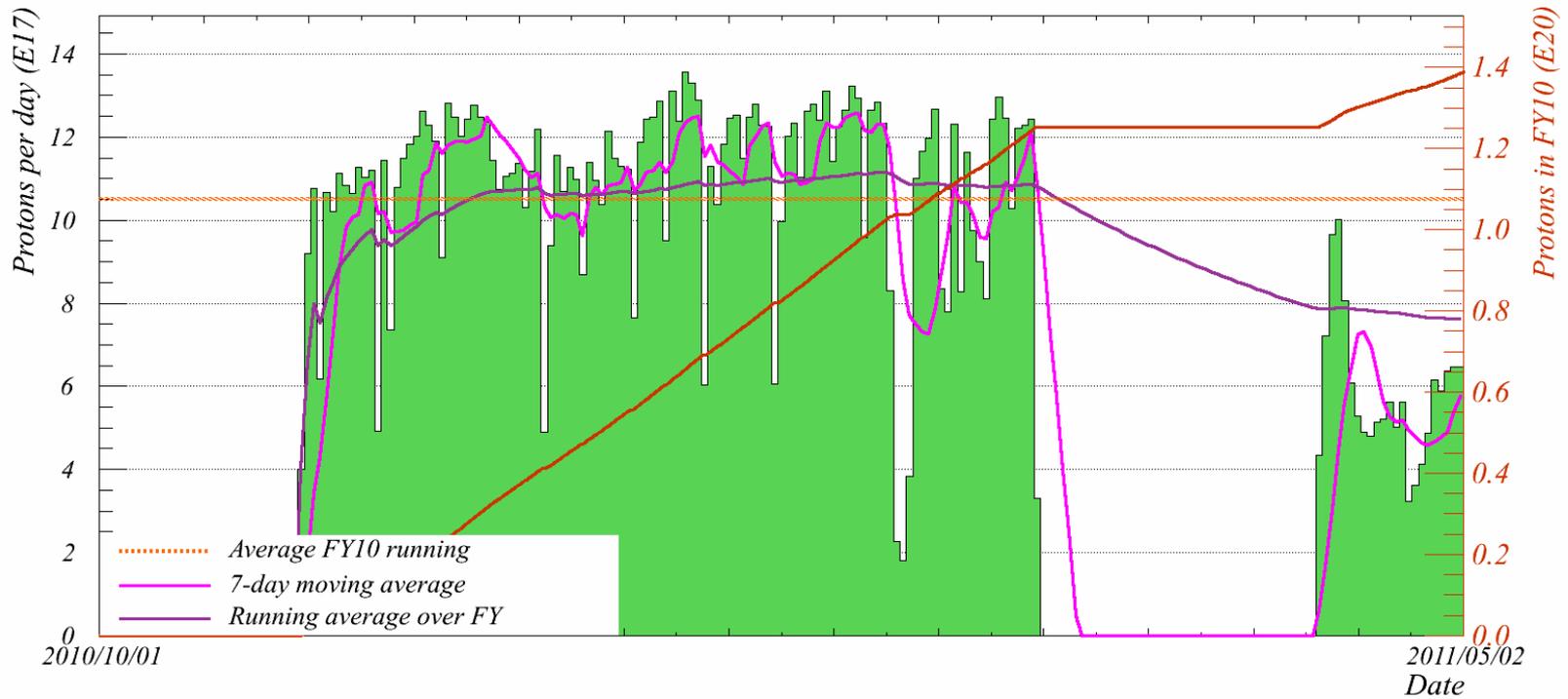




FY2011 Protons



FY11 NuMI protons to 00:00 Monday 02 May 2011





NuMI Protons over History



Total NuMI protons to 00:00 Monday 02 May 2011

