

The MINERvA Operations Report

All Experimenters Meeting

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Jun 27, 2011

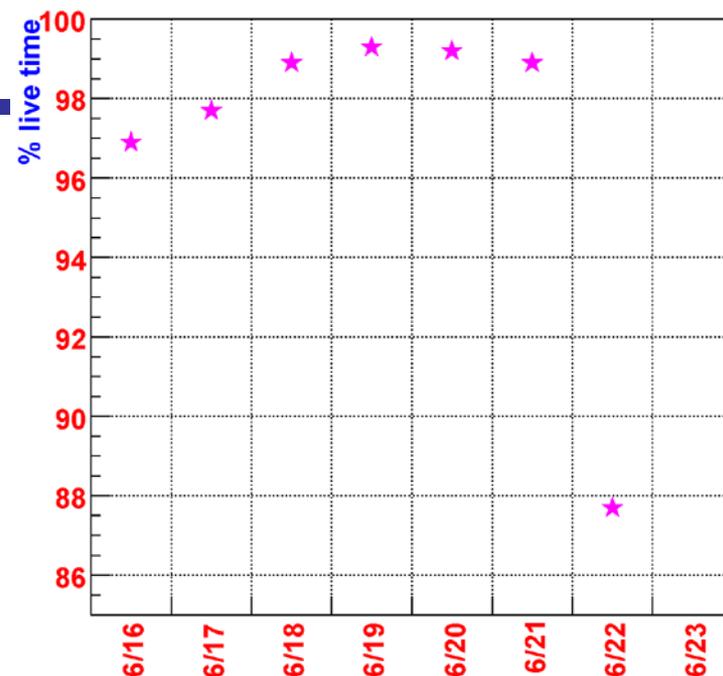




ν Data

% live time Jun 16 – Jun 23

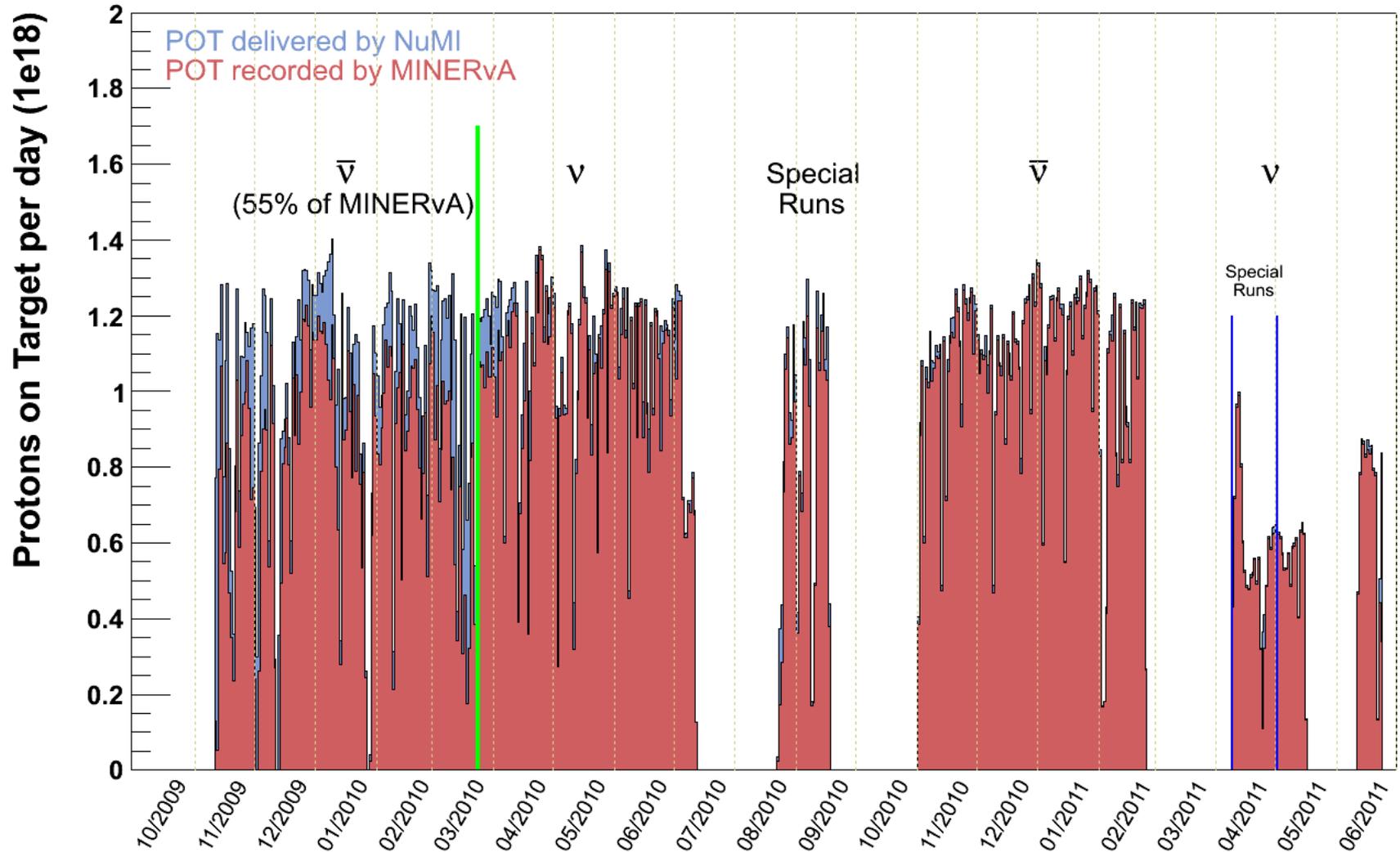
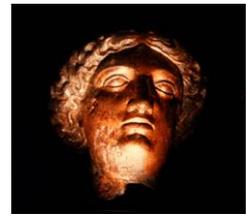
Date	POT Recorded	POT Delivered	Live Time	Comments
6/16/2011	8.46E+17	8.73E+17	96.90%	
6/17/2011	8.35E+17	8.55E+17	97.70%	
6/18/2011	8.50E+17	8.59E+17	98.90%	
6/19/2011	7.92E+17	7.98E+17	99.30%	
6/20/2011	7.79E+17	7.85E+17	99.20%	
6/21/2011	1.33E+17	1.35E+17	98.90%	
6/22/2011	4.42E+17	5.04E+17	87.70%	Processing
6/23/2011	3.40E+17	8.38E+17	40.60%	Processing
Total	5.02E+18	5.65E+18	8.88E-01	

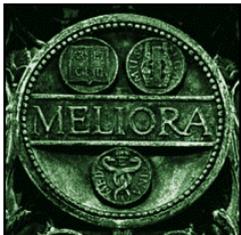


- Limit 2.5×10^{13} POT/pulse for target
- Started up in LE250 HE ν mode,
 - 1.18×10^{19} POT as of Jun 11.
 - 0.81×10^{19} POT in LE250 HE
- Jun 21, move target to LE10 FHC, Startup Jun 22
 - 0.36×10^{19} POT in LE10 as of Jun 26
- 98.4% live from Jun 16-21, Jun 22 & 23 processing problem
 - MINOS live time is about 99% to Jun 20-26

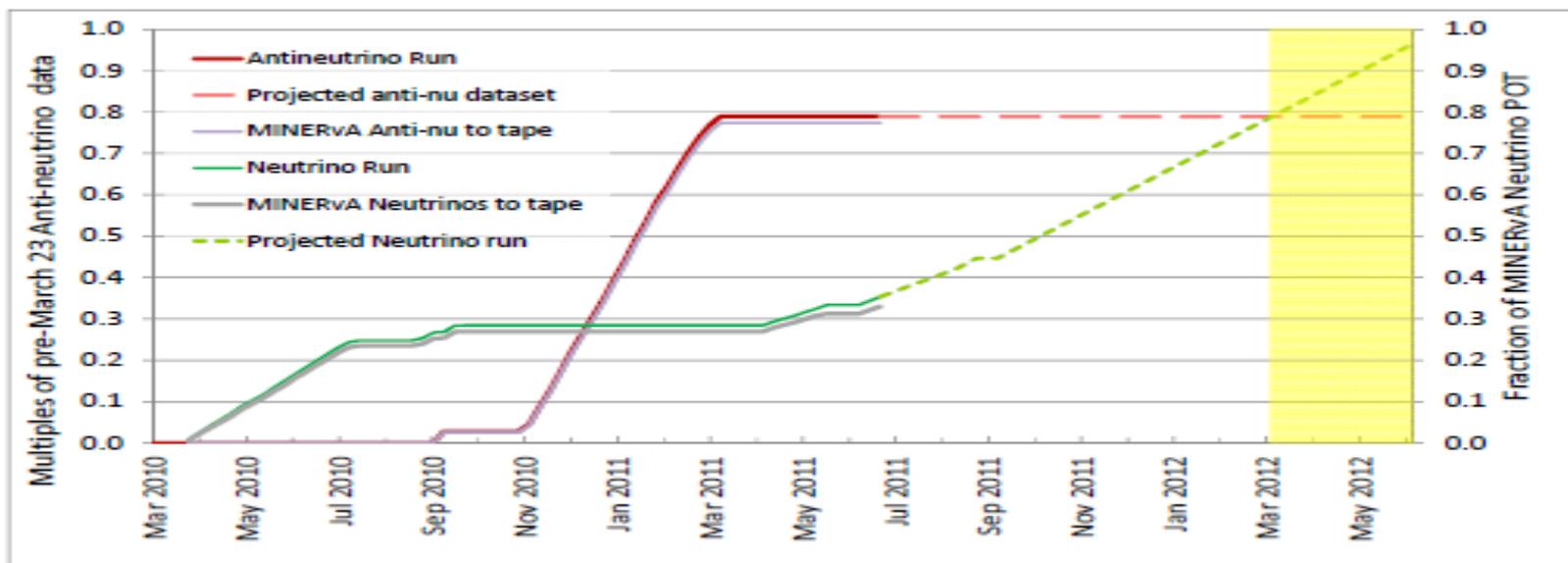


MINERvA POT/Day Nov 2009 - Present





Accumulated POT to Jun 16



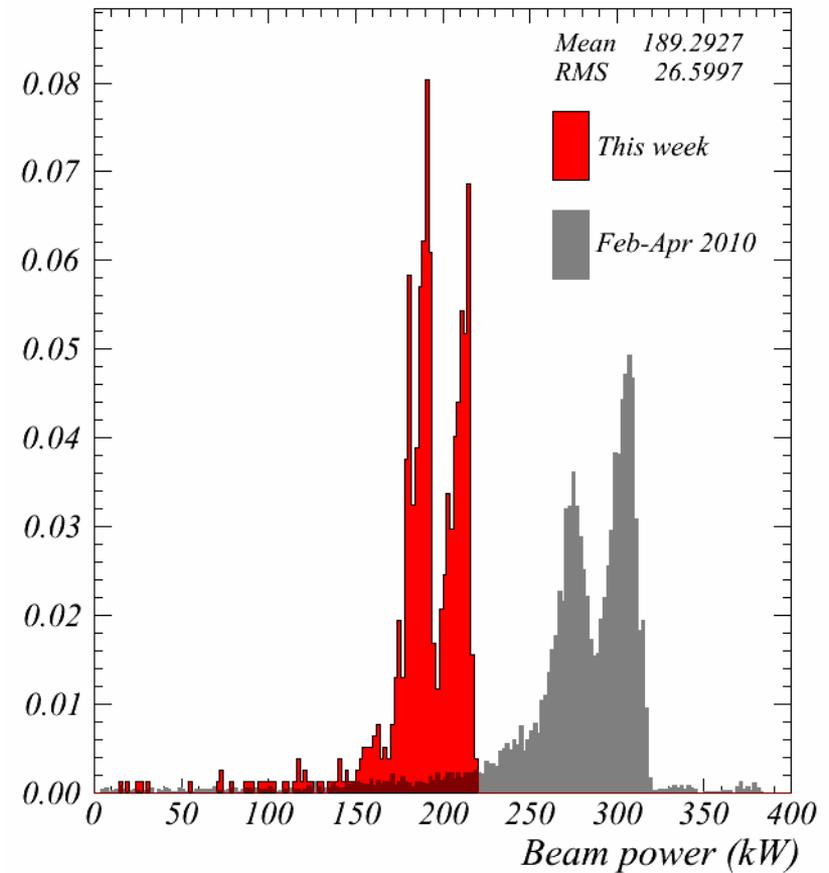
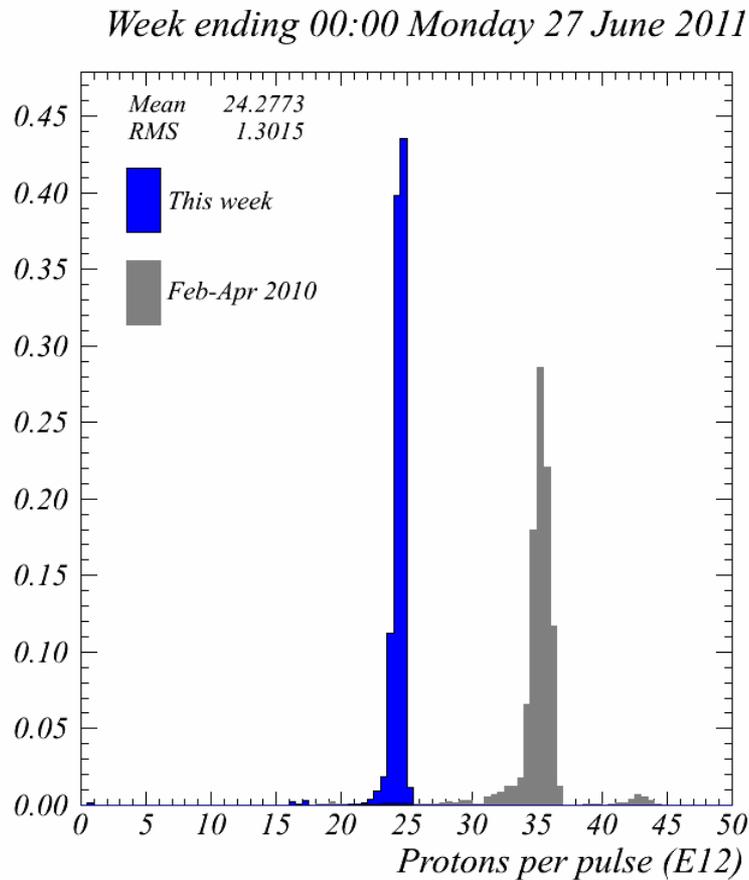
- Anti- ν run, full scale corresponds to 1.76×10^{20} POT
 - # POT for collected for anti- ν before Mar 23 10, official start of MINERvA ν run
- Minerva run , full scale corresponds to 4.9×10^{20} POT
 - # for which MINERvA project & experiment were reviewed & the detector built.
- Projected assumes 0.92×10^{18} POT/day and adding the limit of 2.5×10^{12} POT/pulse to Sep 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 27 June 2011

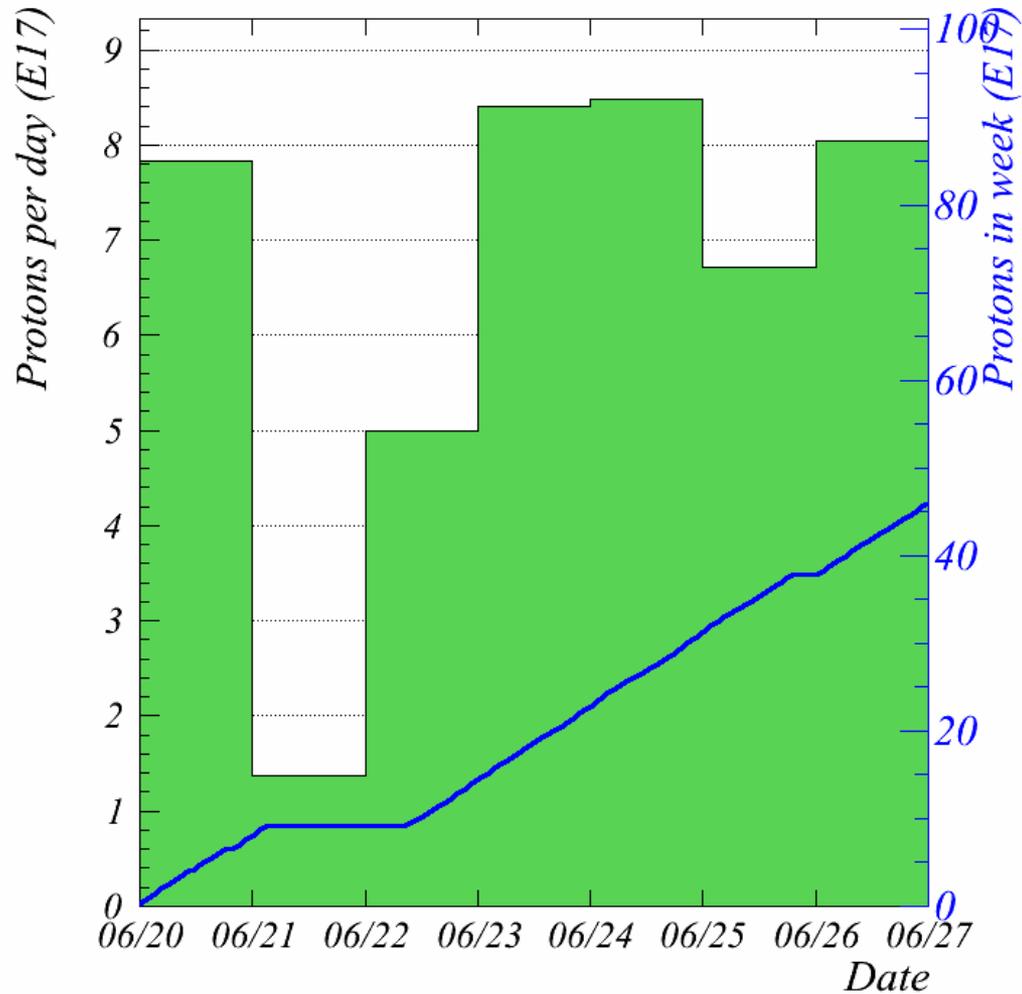




Protons for the Week

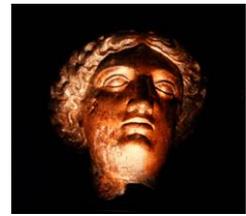


Week to 00:00 Monday 27 June 2011

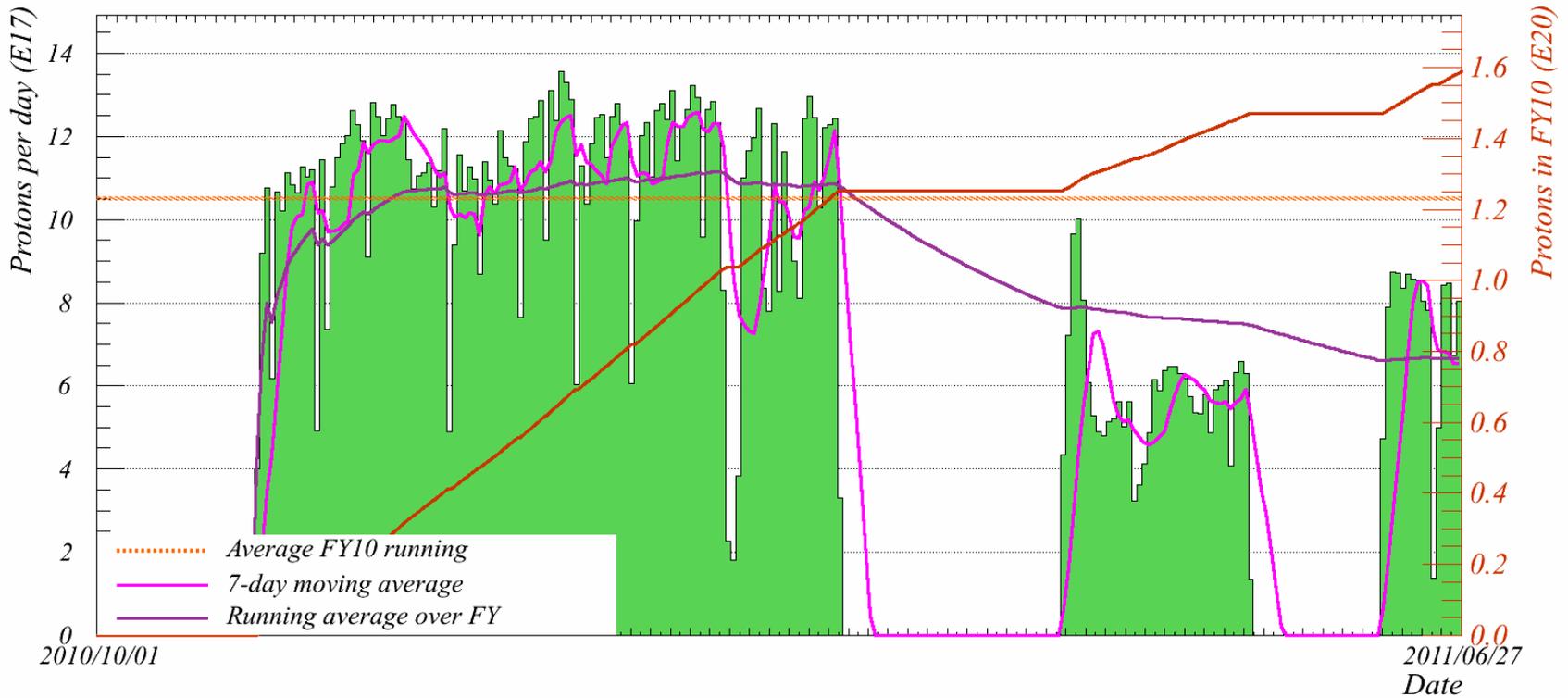




FY2011 Protons

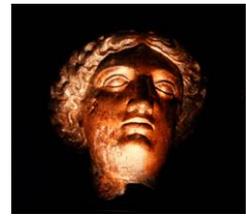


FY11 NuMI protons to 00:00 Monday 27 June 2011





NuMI Protons over History



Total NuMI protons to 00:00 Monday 27 June 2011

