

The MINERvA Operations Report

All Experimenters Meeting

Howard Budd, University of Rochester
Apr 20, 2015

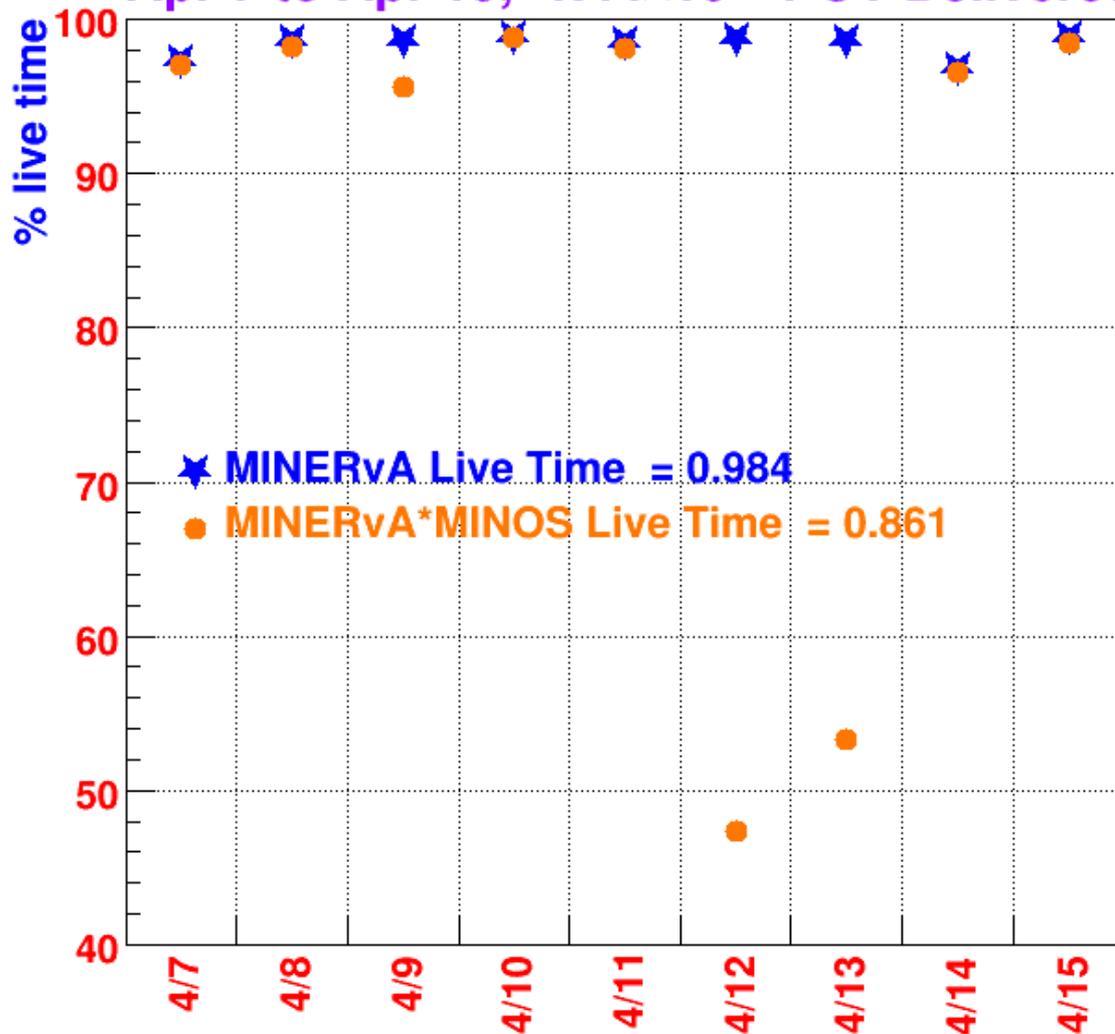




ν Data



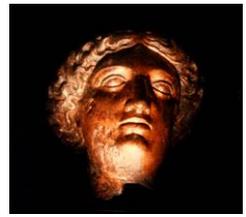
Apr 7 to Apr 15, 1.44×10^{19} POT Delivered



- Live time, 4/7-15, 2015
- 1.44×10^{19} POT
- MINERvA 98.4%
- MINERvA*MINOS 86.1%
- Apr 7-8 live times were not presented last week, as it appears that not all files were processed.
- Apr 12-13. The low MINOS live times were due to a failed power supply and will be discussed in the MINOS AEM talk



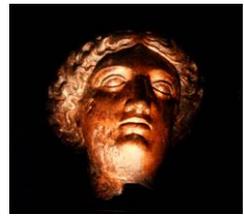
v Data



- Apr 14 -96.8% live
 - The DAQ stopped twice and the “Reset DAQ” script got the DAQ running. For 1 of the events it took 2 attempts to get the DAQ running.
 - This happened the day after I reported at last week's AEM meeting that this hadn't happened for 2 weeks. This just goes to show you the “MINERvA DAQ” is out there listening what is being said.
- We only had 1 bank error last week. This was one we could not recover from



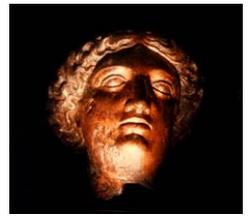
Apr 21-22 AD shutdown



- We plan off turning the detector at 5:30 AM on Apr 21.
- We plan on replacing 3 FEBs.
 - FEB digitizes 64 channels for a 64 channel multi-anode PMT. The charge for 16 channels is stored on one TriP-t chip for the spill. For these FEBs, one of the 4 TriP-t chips, which stores the highs, has greater cross talk than nominal. This cross talk is seen in our online monitoring plots as an intensity effect.
 - The roof panels will be removed at 6 AM on Apr 21.
 - After replacing the FEBs we will run the DAQ overnight.
 - On Apr 22 we will plan on putting the roof on.



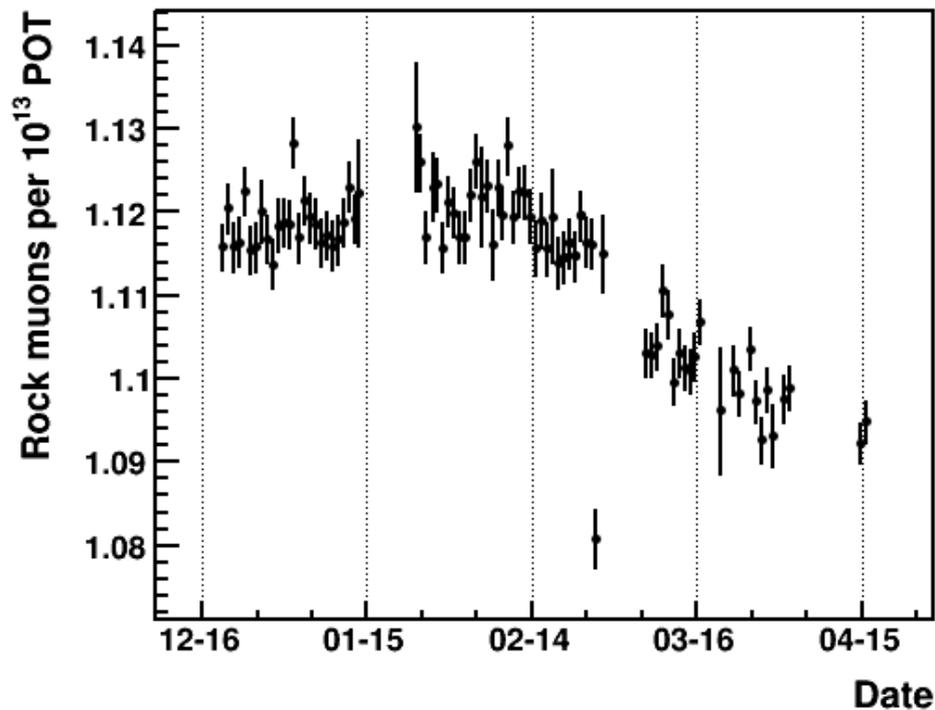
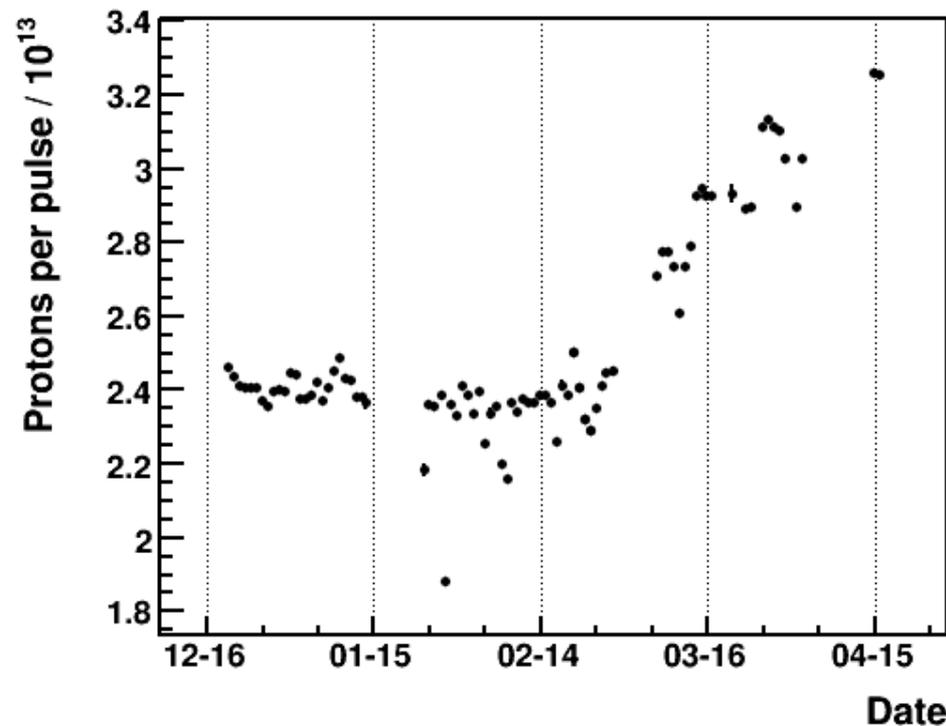
Apr 21-22 AD shutdown



- In anticipation of maybe putting in a UPS in the DAQ rack, we plan on measuring the current of the VME crates and VME crates+computer.
 - We will do this with Linda Bagby starting around 8:30 AM on Apr 21. This will require inserting a current measuring device into the AC for the crates. Therefore, we will be doing this during the detector start up and before we replace the FEBs.



Rock Muons/POT



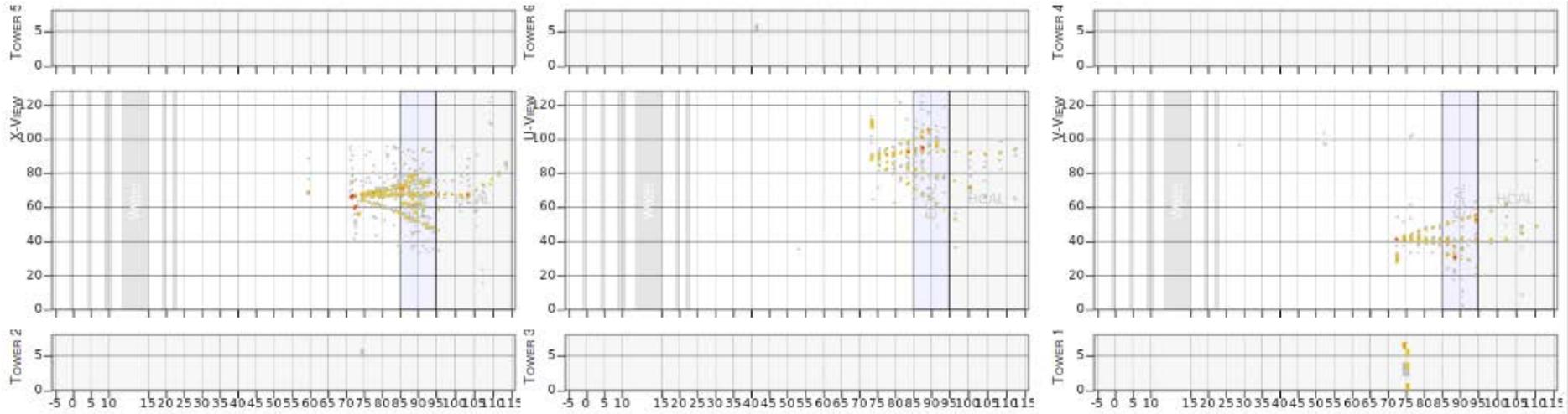
POT/Pulse

• Rock Muons/POT

- The submit file for the rock muon plots works.
- A problem was created by a change in Condor
- The missing points will be filled in soon



Event Display



X View

V View

U View

Tracker CC Event

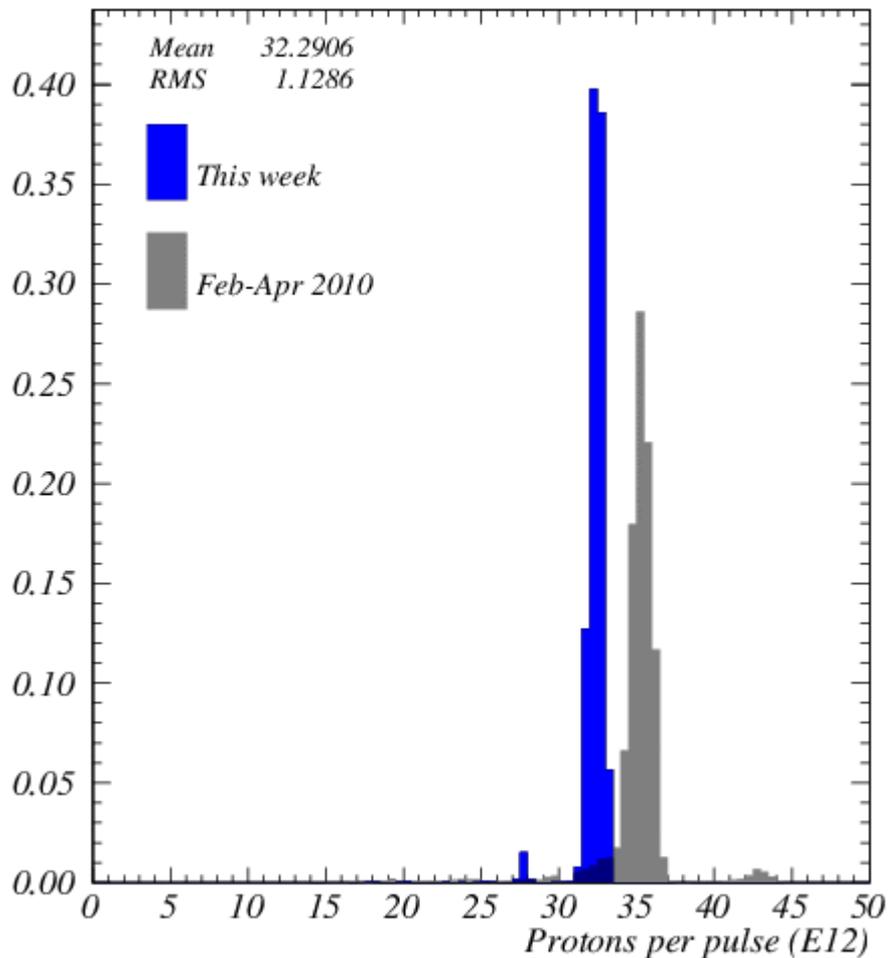


NuMI Beam Plots

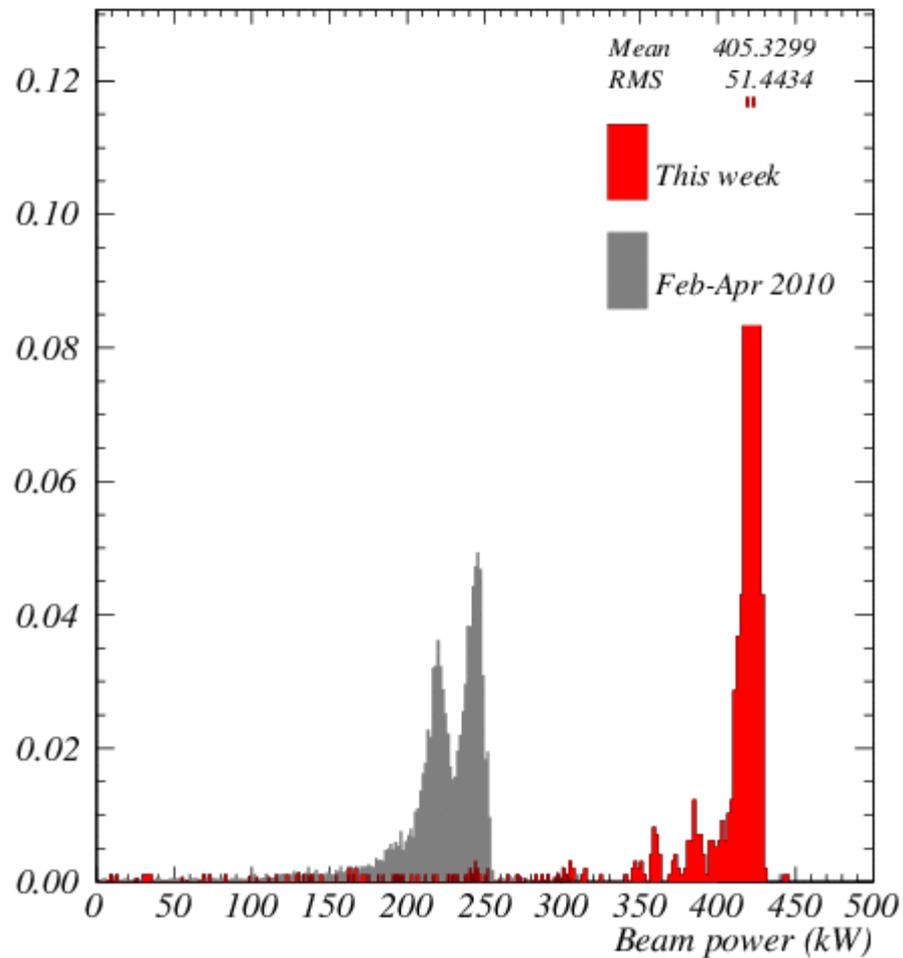
Apr 13 - 19, 2015



Week ending 00:00 Monday 20 April 2015

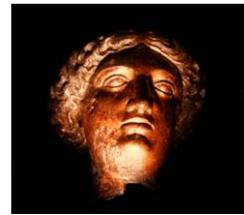


Week ending 00:00 Monday 20 April 2015

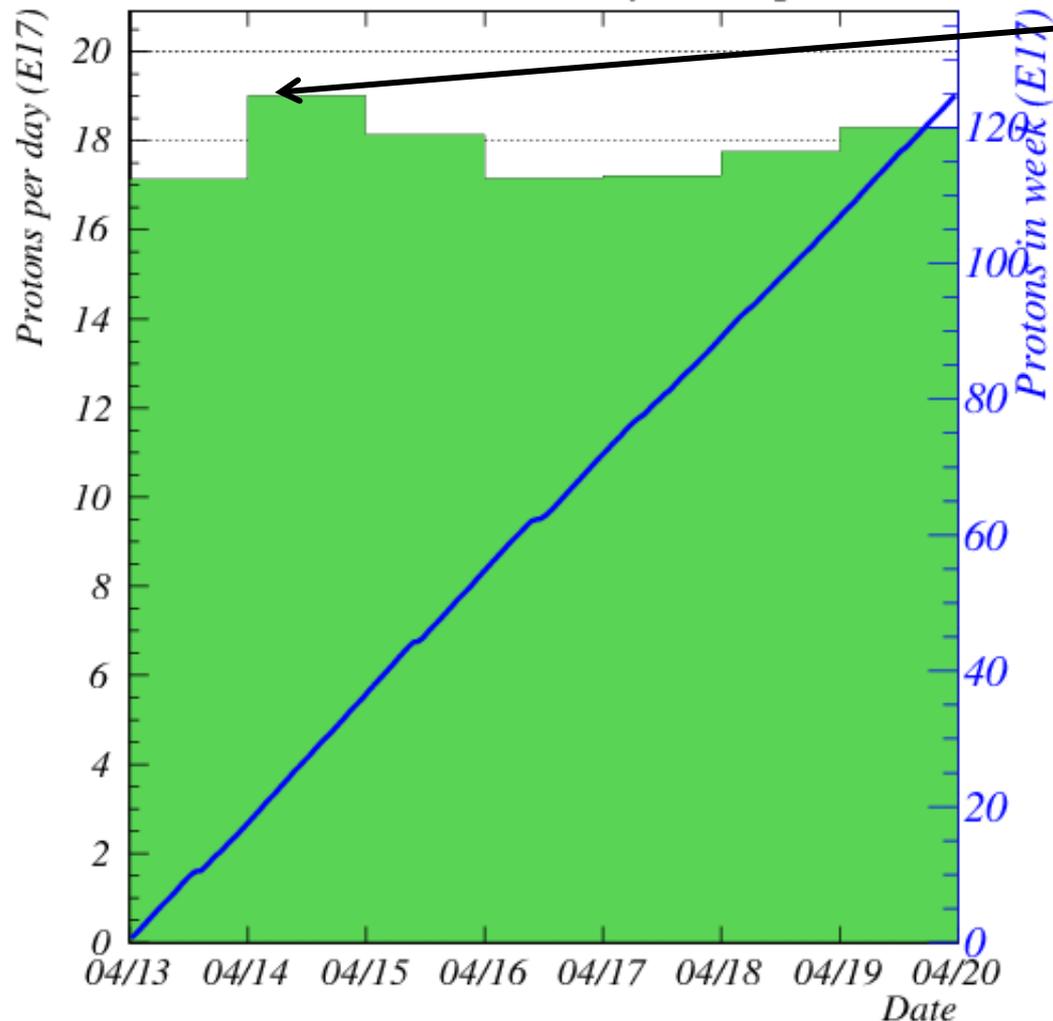




Protons for the Week

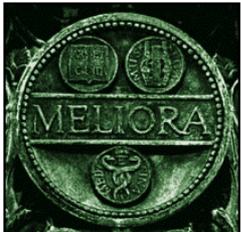


Week to 00:00 Monday 20 April 2015



Congratulations for record breaking day at 19.0×10^{17} POT. This beats the 2d best day on Apr 12 with 18.4×10^{17} POT

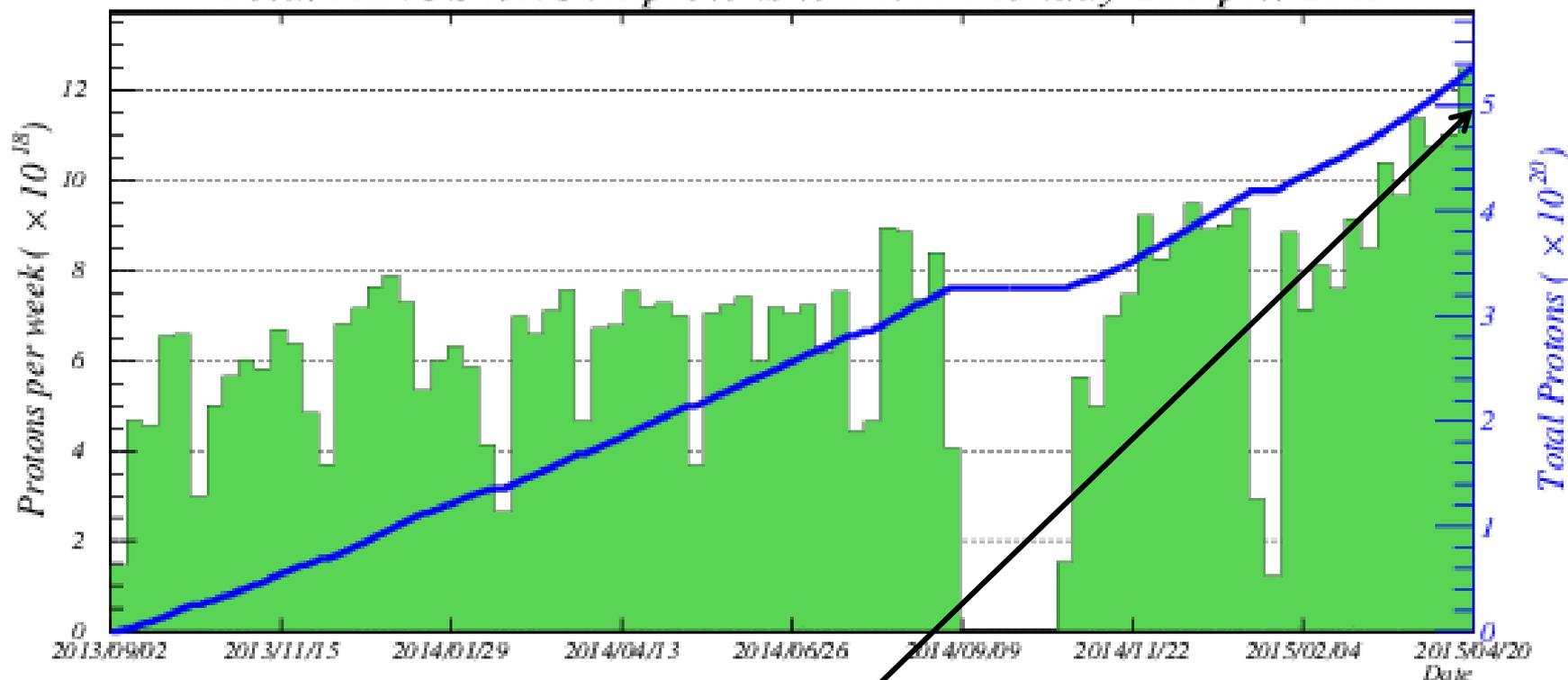
1.25×10^{19} POT
Apr 13 – 19, 2015



Protons for ME Run



Total MINOS+/NOvA protons to 00:00 Monday 20 April 2015



53.49×10^{19} POT - Sep 6, 2013 at 15:00 – Apr 19, 2015
 1.25×10^{19} POT - Congratulations on the highest POT week.