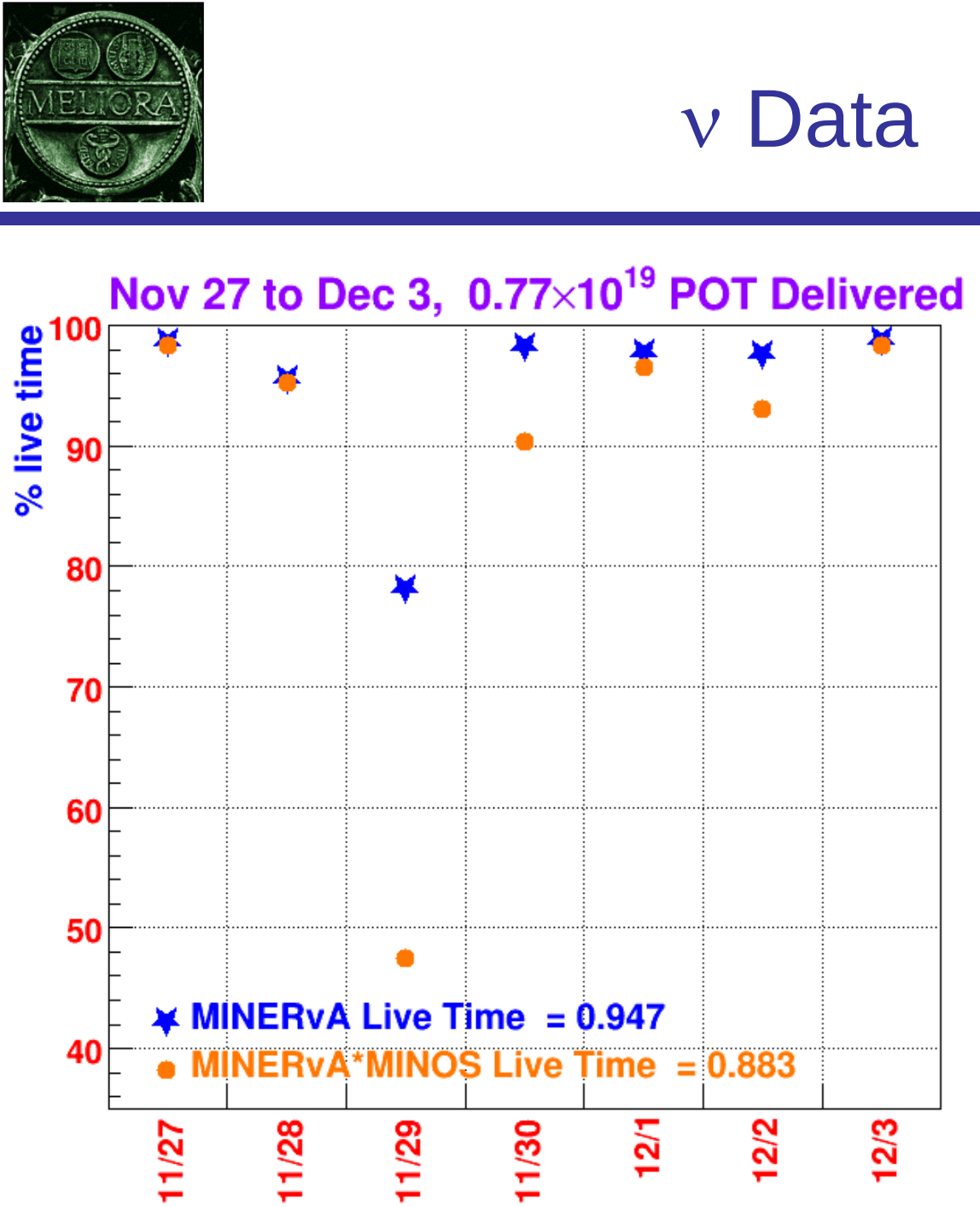
The MINERνA Operations Report
All Experimenters Meeting

Howard Budd, University of Rochester

Dec 8, 2014

ν Data



- Live time Nov 27 – Dec 3.
- MINERvA 94.7%
- MINERvA*MINOS 88.3%
- Nov 28 - the DAQ froze. The DAQ was restarted by running the DAQ restart scripts.

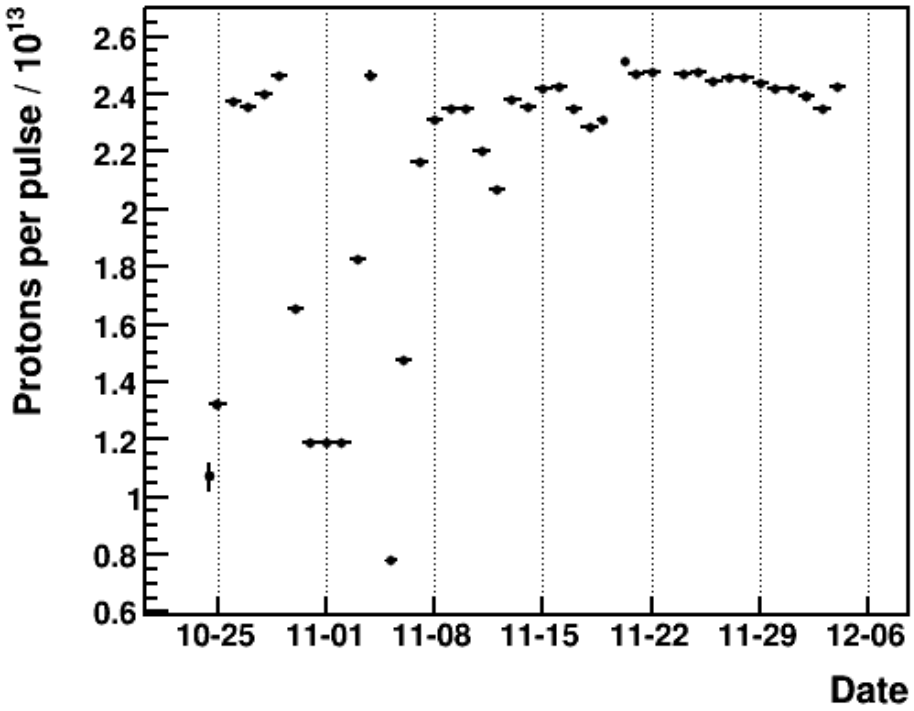
ν Data

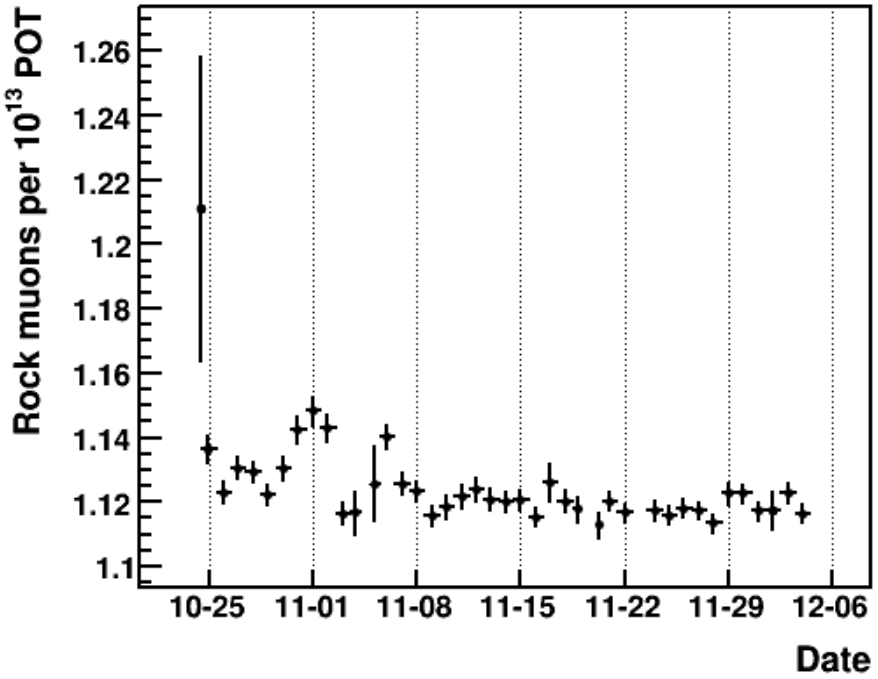
- As described in last weeks AEM talk, down time on Nov 29 was caused by a power outage due to a sump pump ground fault. This caused a power failure in the MINOS Hall.
  - It took about 4 hours of work before we could get the CROC-Es to talk to the FEB. After that we quickly returned to data taking.
  - In addition the MINOS Hall chiller did not start up after the power was restored. This caused additional MINOS downtime.

Work Performed During RF Cavity Replacement

- As reported before every so often the DAQ would crash with a sequencer error and skip to the next subrun.
  - The sequencer is the firmware code in the CROC-E which reads out the FEBs. This code used to be in the DAQ code. Putting this code in the CROC-E sped up the DAQ.
  - This happens on 2 chains on 2 separate CROC-Es
- For the chain with the most frequent error, we added a short cable to that chain. This seemed to fix the problem.
  - The fix is similar to fixes we did to get the DAQ operating after the CROCs were replaced by CROC-Es before the start of the ME Run.
  - During the next planned one day outage, we will work on the other chain.
  - Christian Gingu is trying to understand the problem.

Rock Muons/POT





POT/Pulse

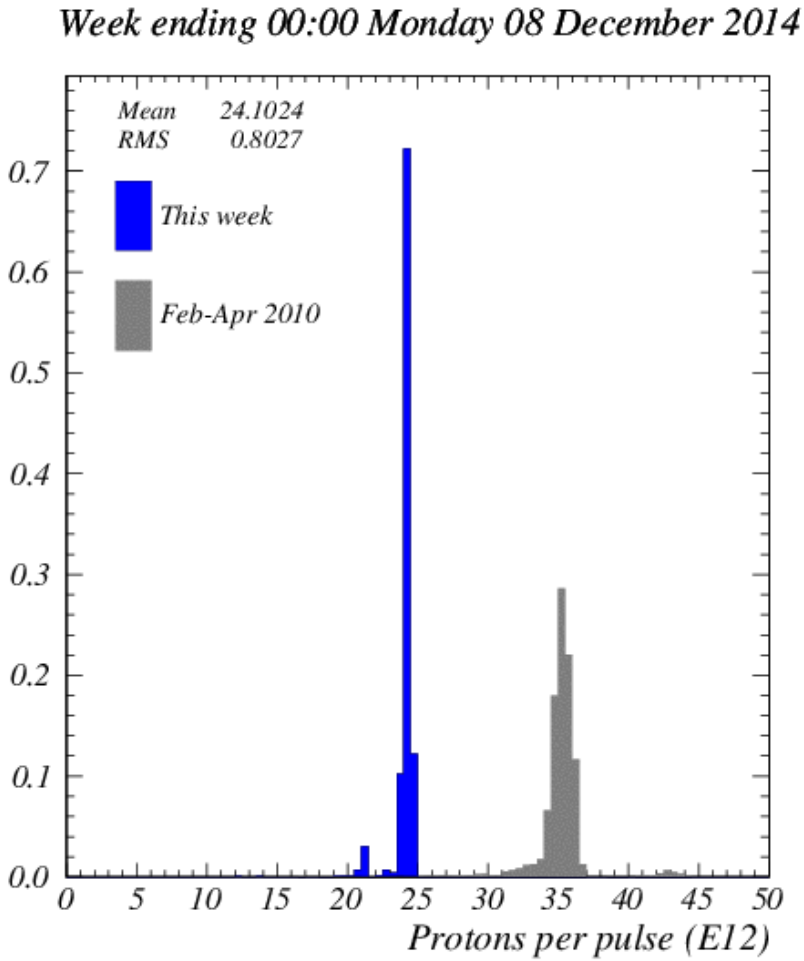
Rock Muons/POT

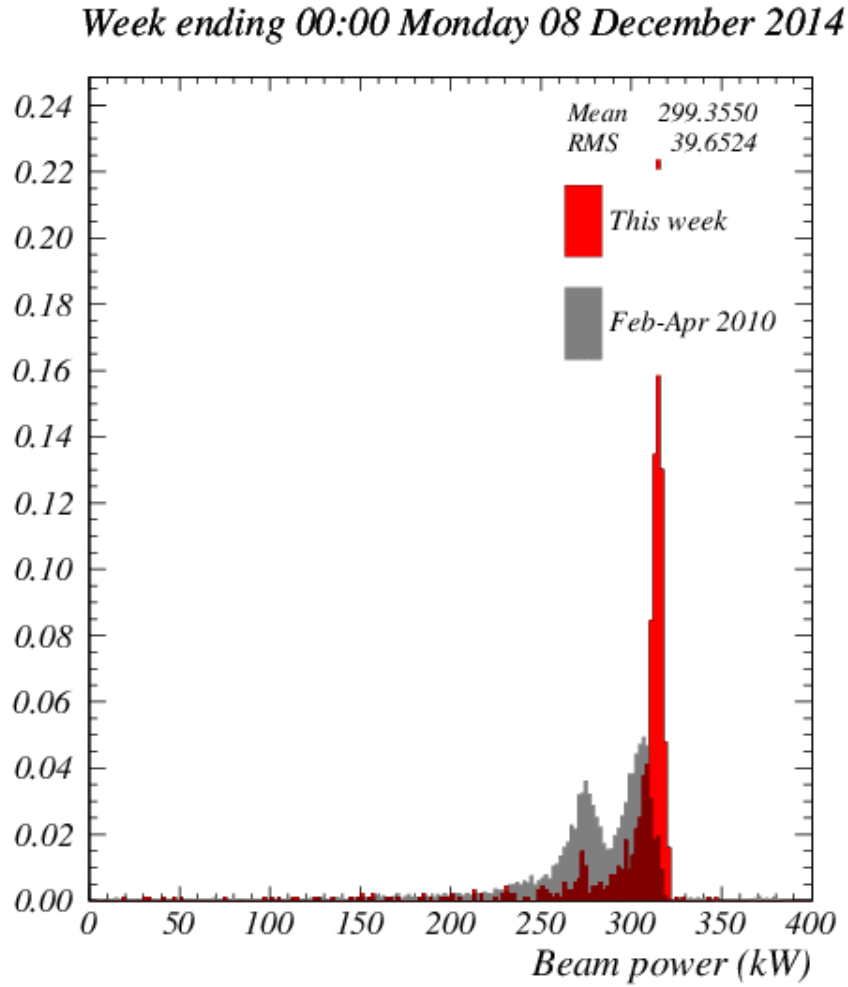
Event Display

Outer Calorimeter

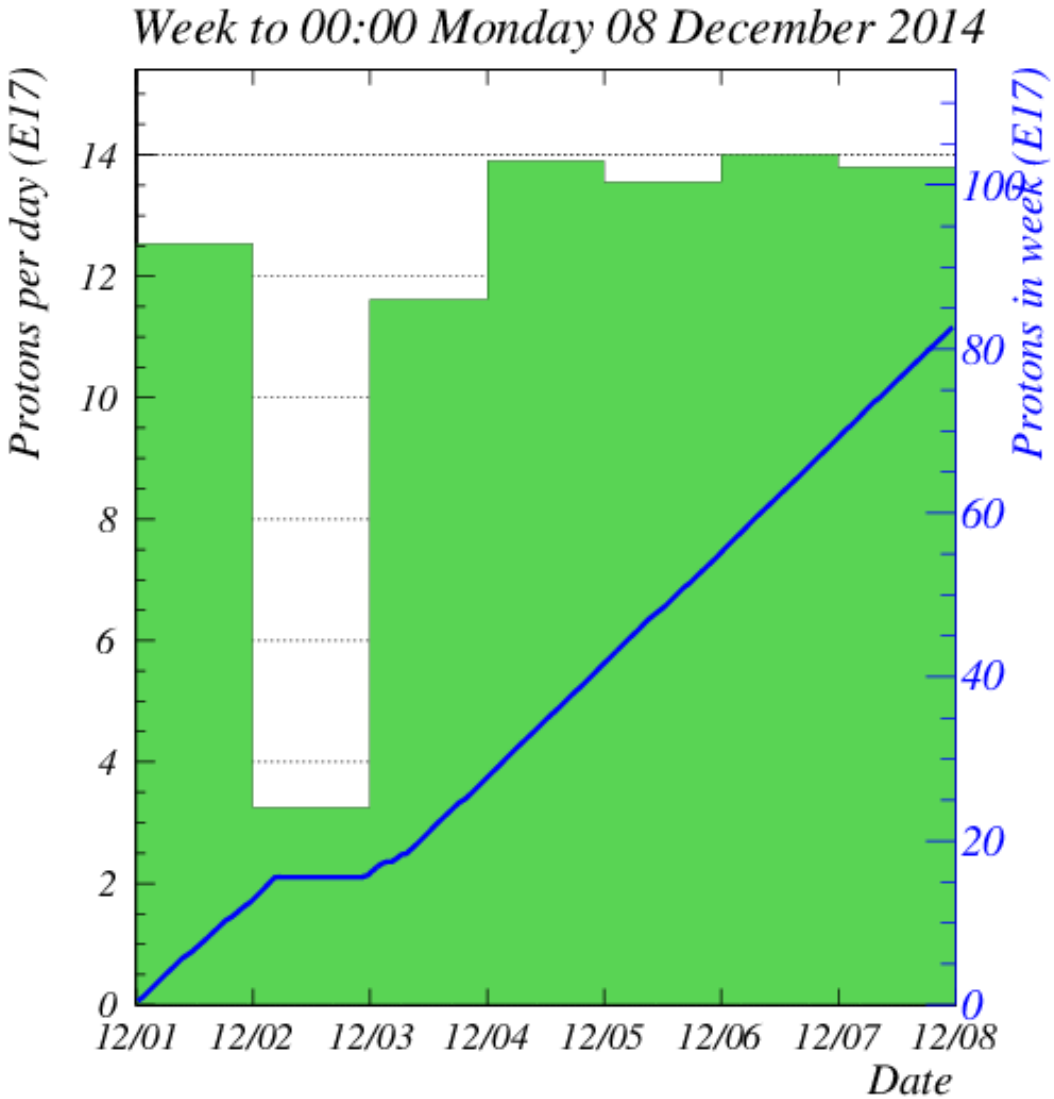
Stopping muon with Michel electron in time later slice

NuMI Beam Plots
Dec 1-7



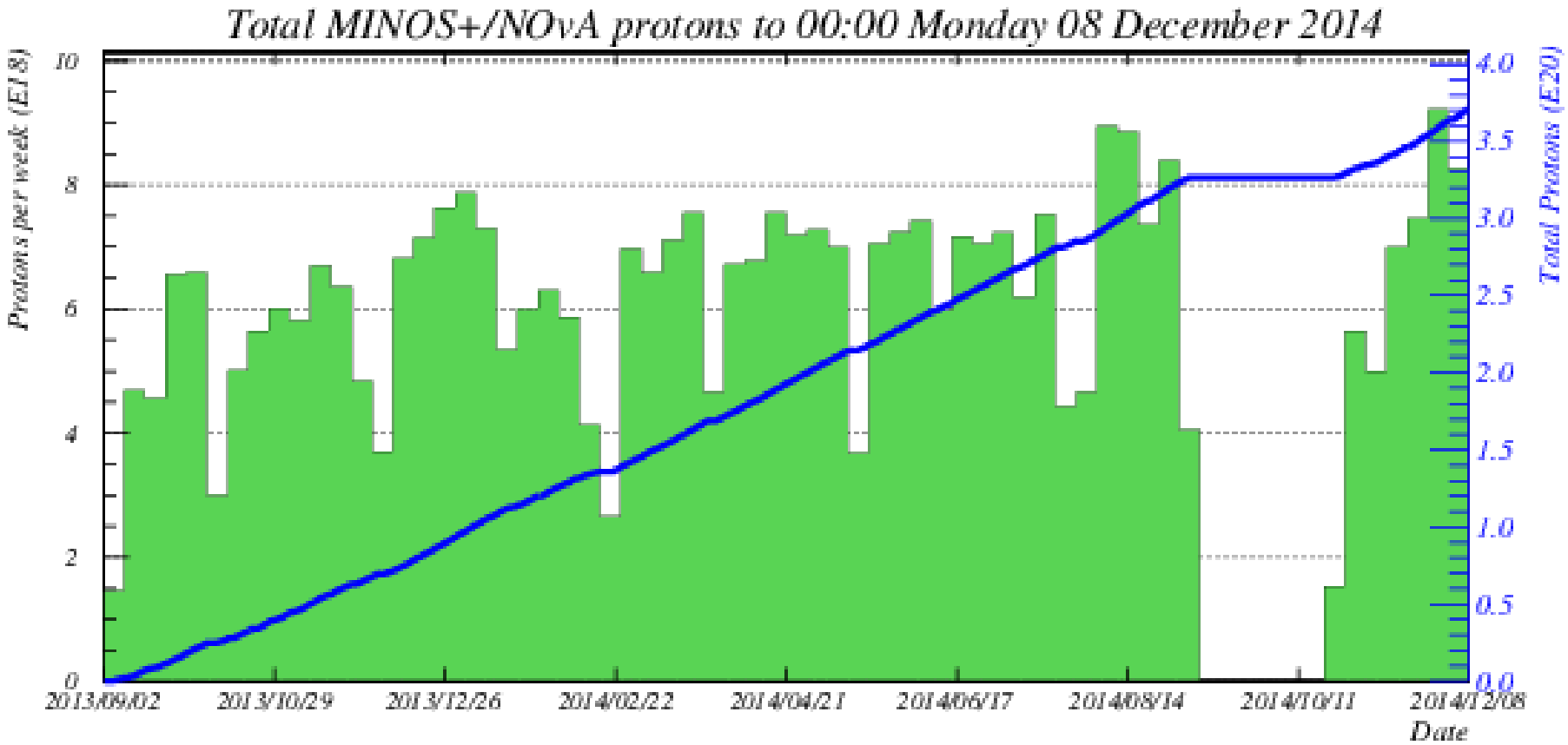


Protons for the Week



0.83×10^{19} POT
Dec 1-7

Protons for ME Run



37.02 $\times 10^{19}$ POT

Sep 6, 2013 at 15:00 – Dec 7, 2014