The MINERνA Operations Report
All Experimenters Meeting

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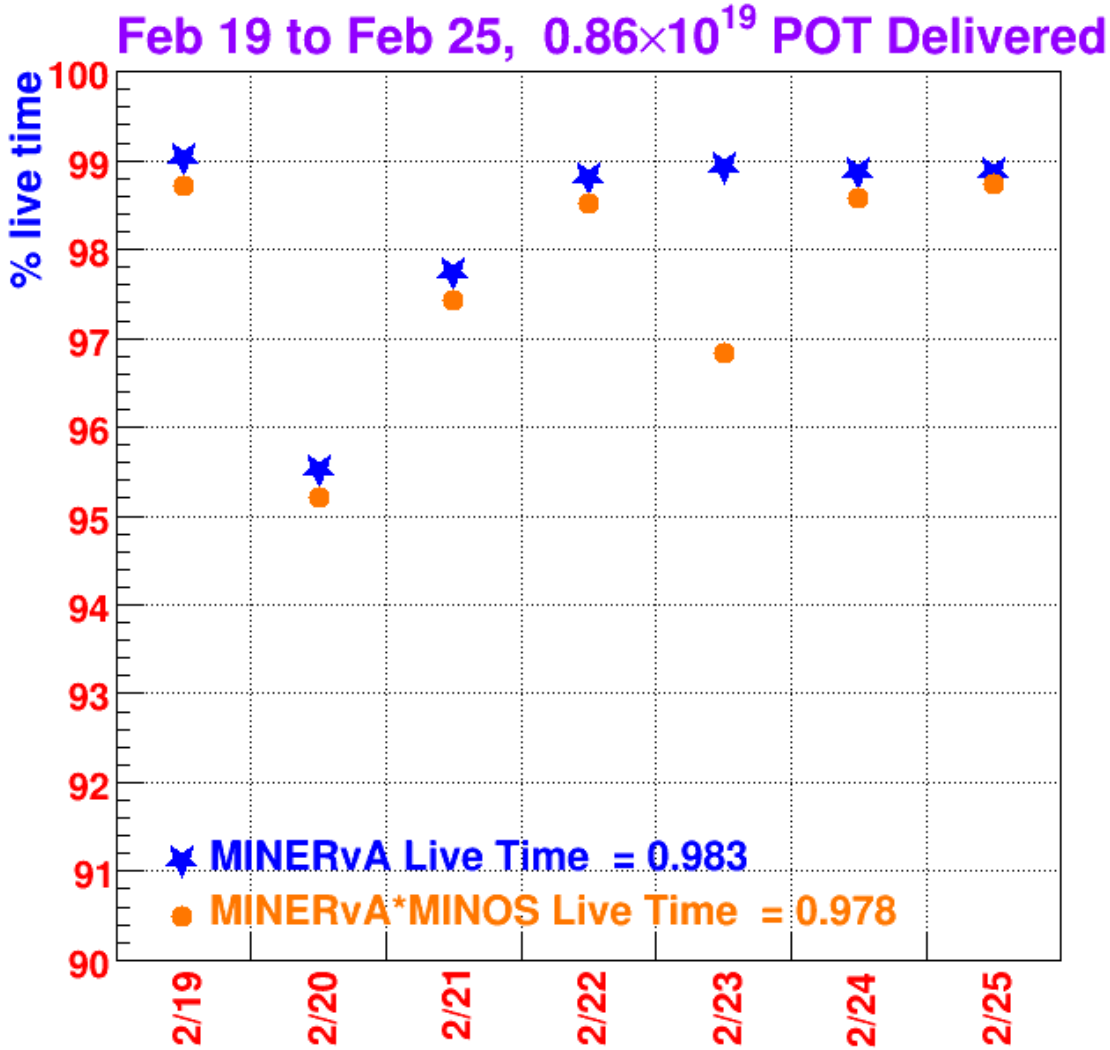
Mar 02, 2015

ν Data

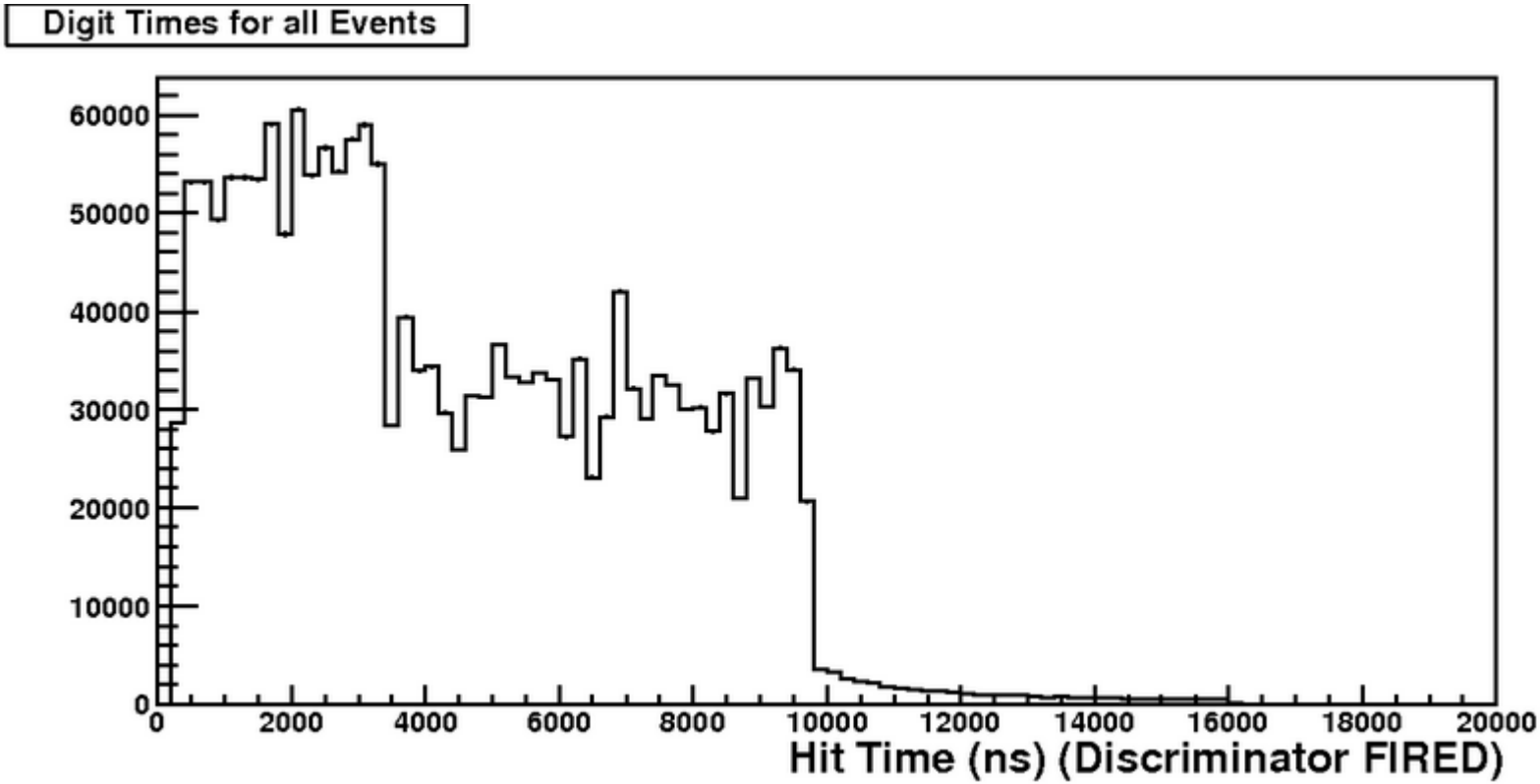


- Live time, Feb 19 - 25
- 0.86×10^{19} POT
- MINERvA 98.3%
- MINERvA*MINOS 97.8%
- Feb 20 – 95.5% live
  - According to uptime, we took data all during the day expect for a period when there was no beam. A 20 min period was not processed, The reason for the rest of the inefficiency is not clear. We are investigating.

March 2 Shutdown Tasks

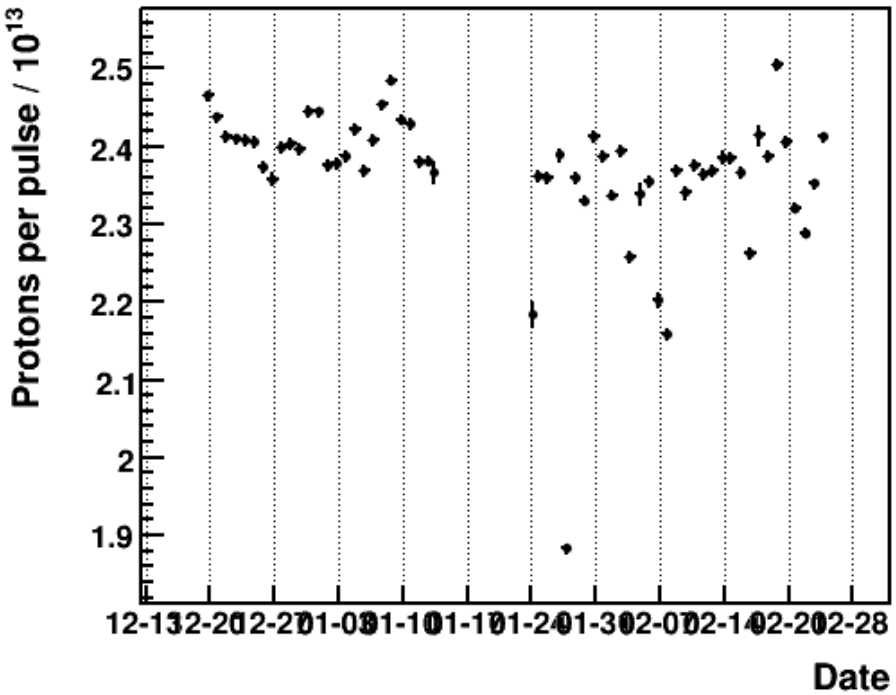
- DAQ header problem
  - The frame length is in the data header twice. Occasionally one or both of these frame lengths is wrong.
  - The length of the frames is either fixed or can be determined from the number of hits. Donatella Torretta has written code which uses the default length of the frames to unpack the data.
  - During the shutdown, we will be installing Donatella's offline code in nearline & keepup.
    - This code should recover all the runs with the DAQ header problem
- We will not do any hardware changes during the shutdown. Both the DAQ header problem and sequencer problem occur couple times a day. With the software fixes these problems will not cause deadtime.

Slip Stacking

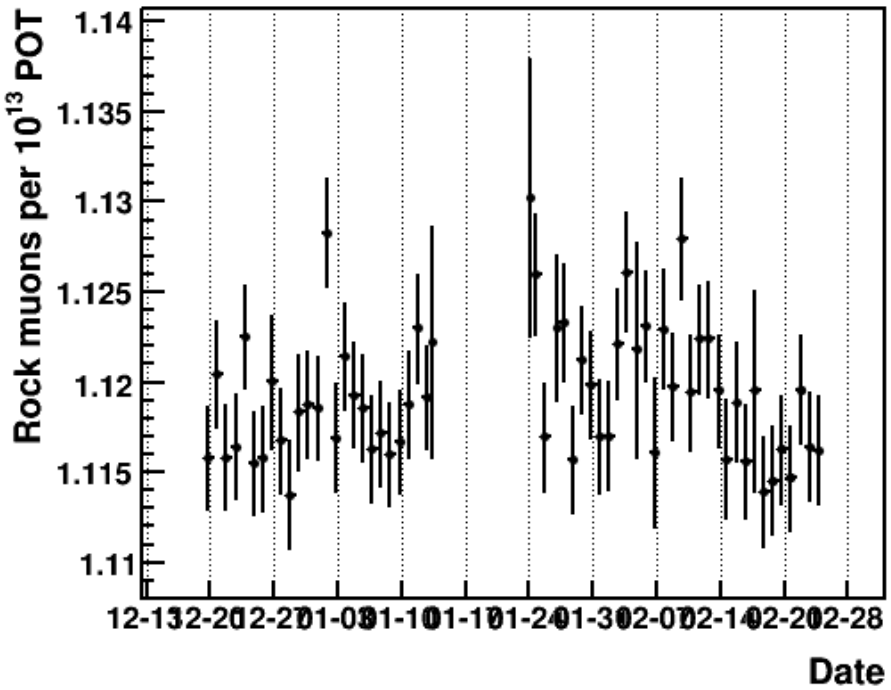


- Discriminator time for hits during the 16 μ sec spill
  - Last 6 μ sec to pick up Michel electrons
- MINERvA sees slip stacking.

Rock Muons/POT

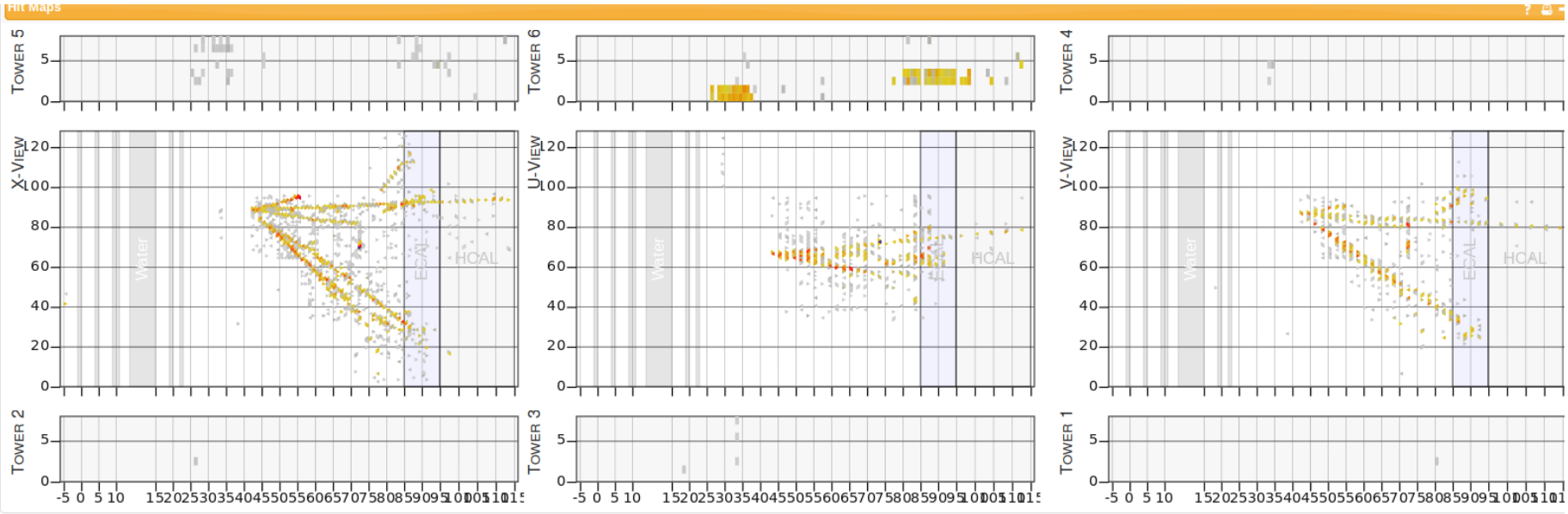


POT/Pulse



Rock Muons/POT

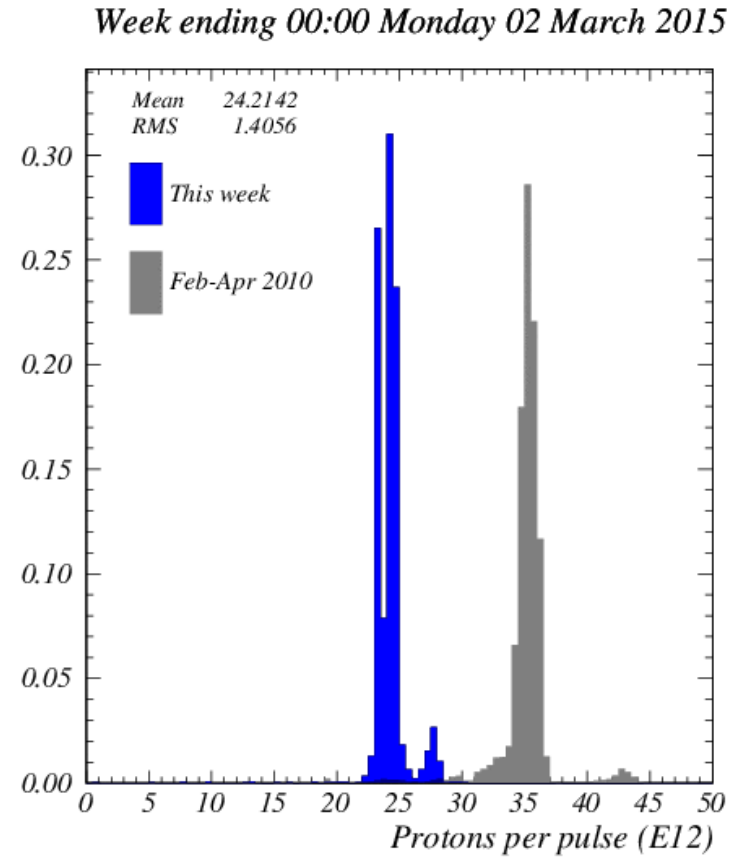
Event Display

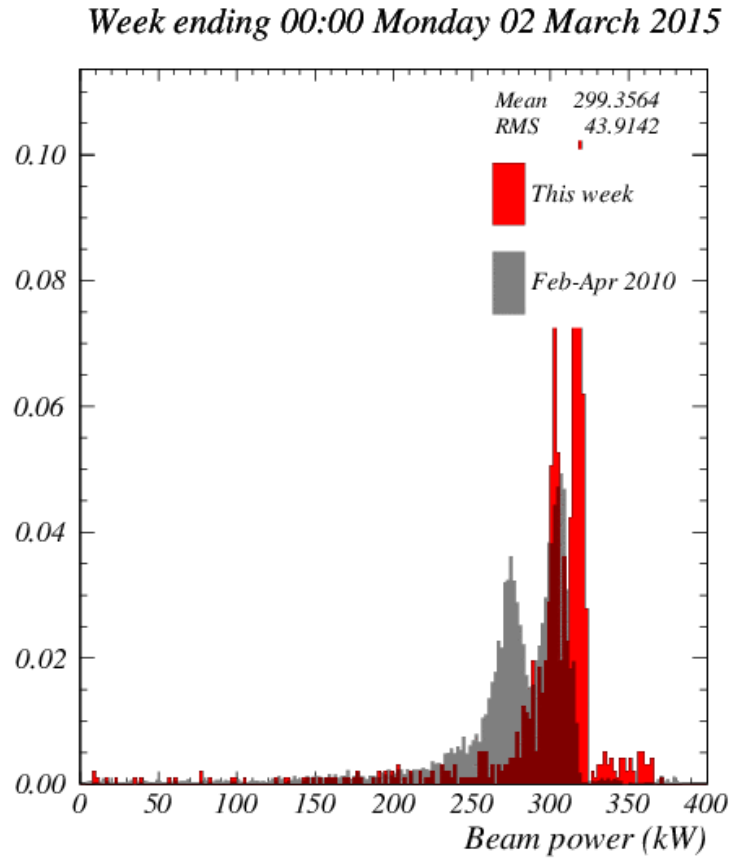


X View V View U View

DIS CC Event

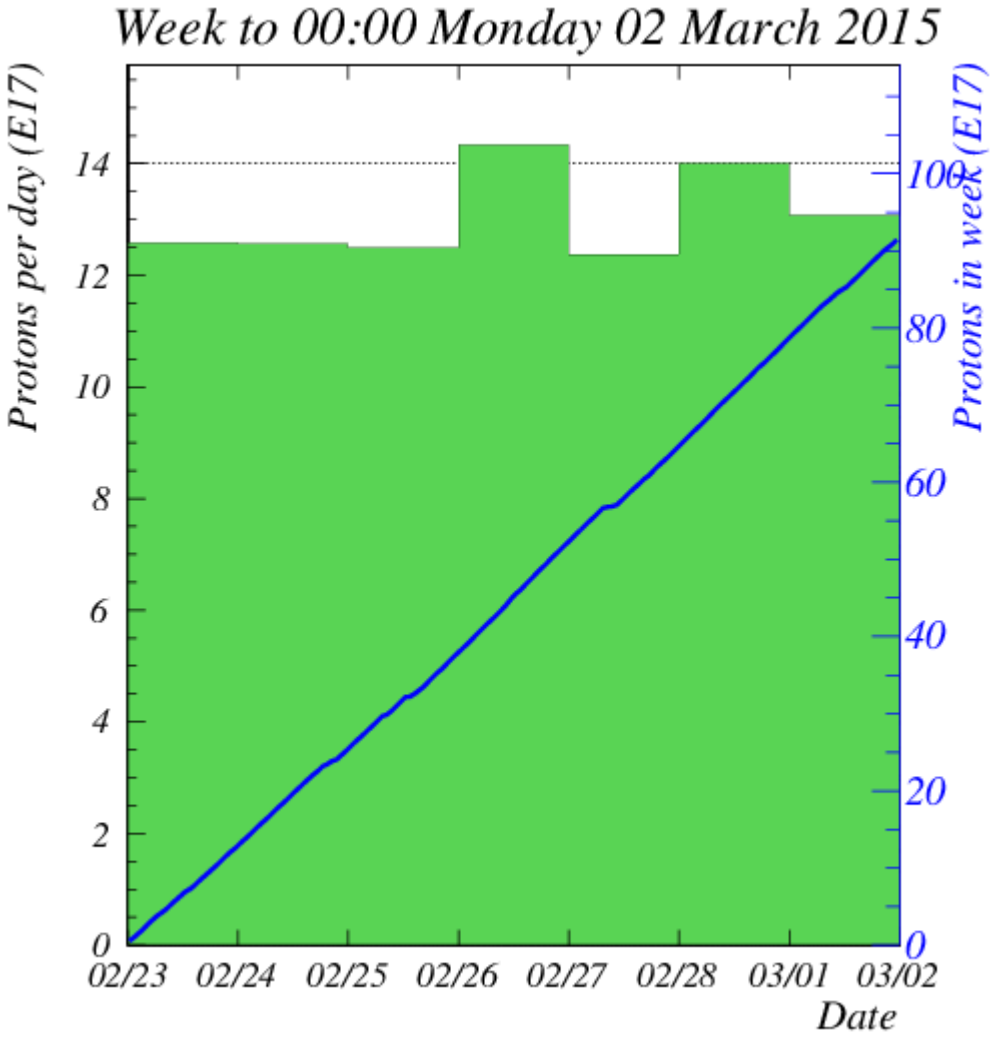
NuMI Beam Plots
Feb 23 – Mar 1, 2015





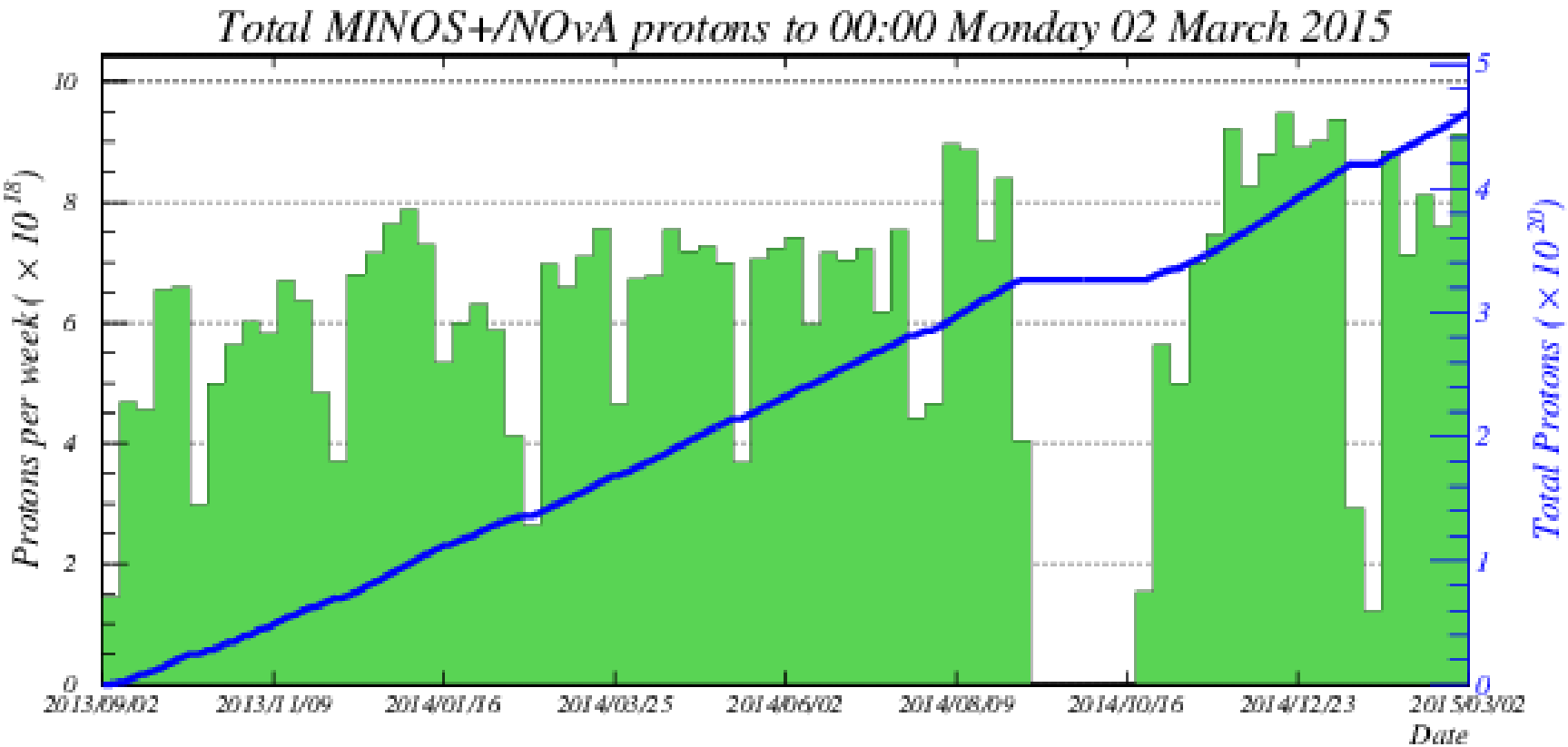
NuMI Beam Power Record for 2 minutes on Feb 26 – 425 kW

Protons for the Week



0.91×10^{19} POT
Feb 23-Mar 1, 2015

Protons for ME Run



46.08 ×10^{19} POT

Sep 6, 2013 at 15:00 – Mar 1, 2015