

# The MINERvA Operations Report All Experimenters Meeting

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Aug 1, 2016

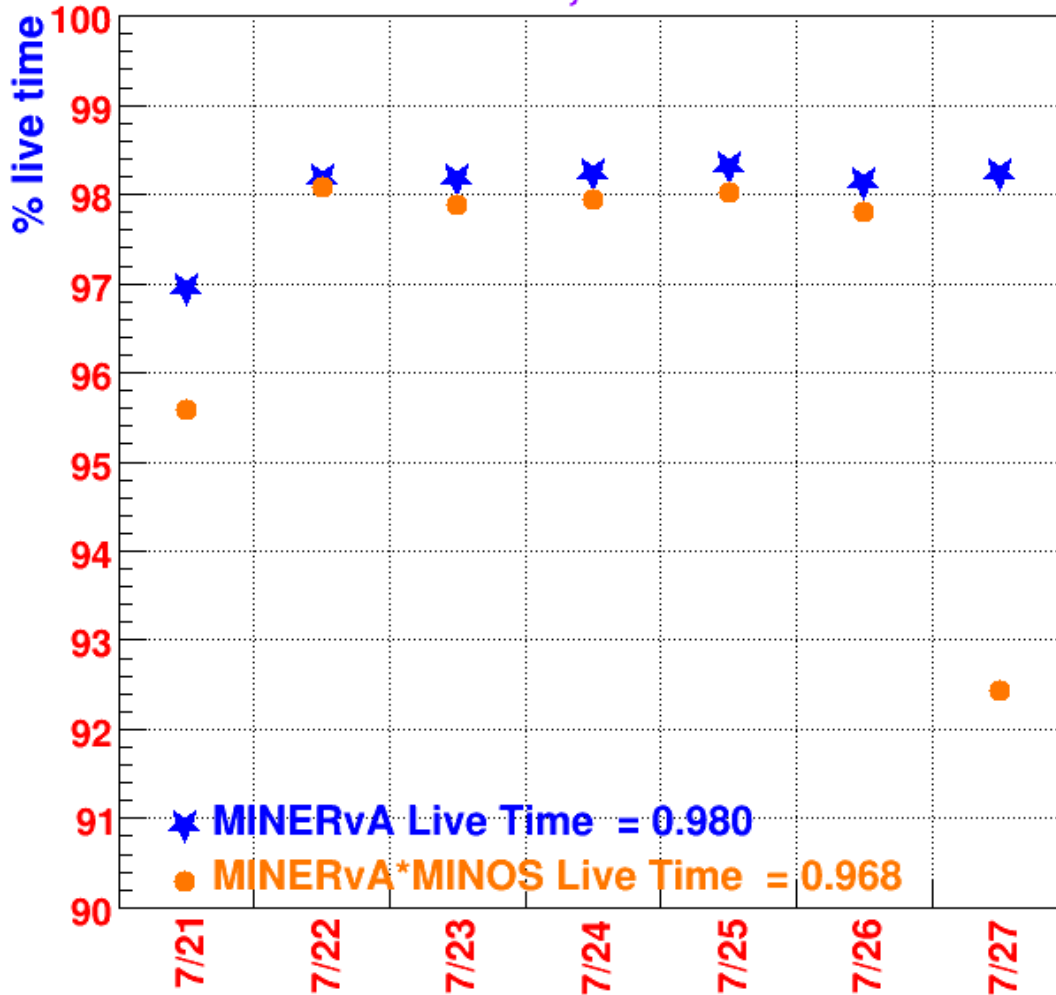




# $\nu$ Data



Jul 21 to Jul 27,  $1.53 \times 10^{19}$  POT



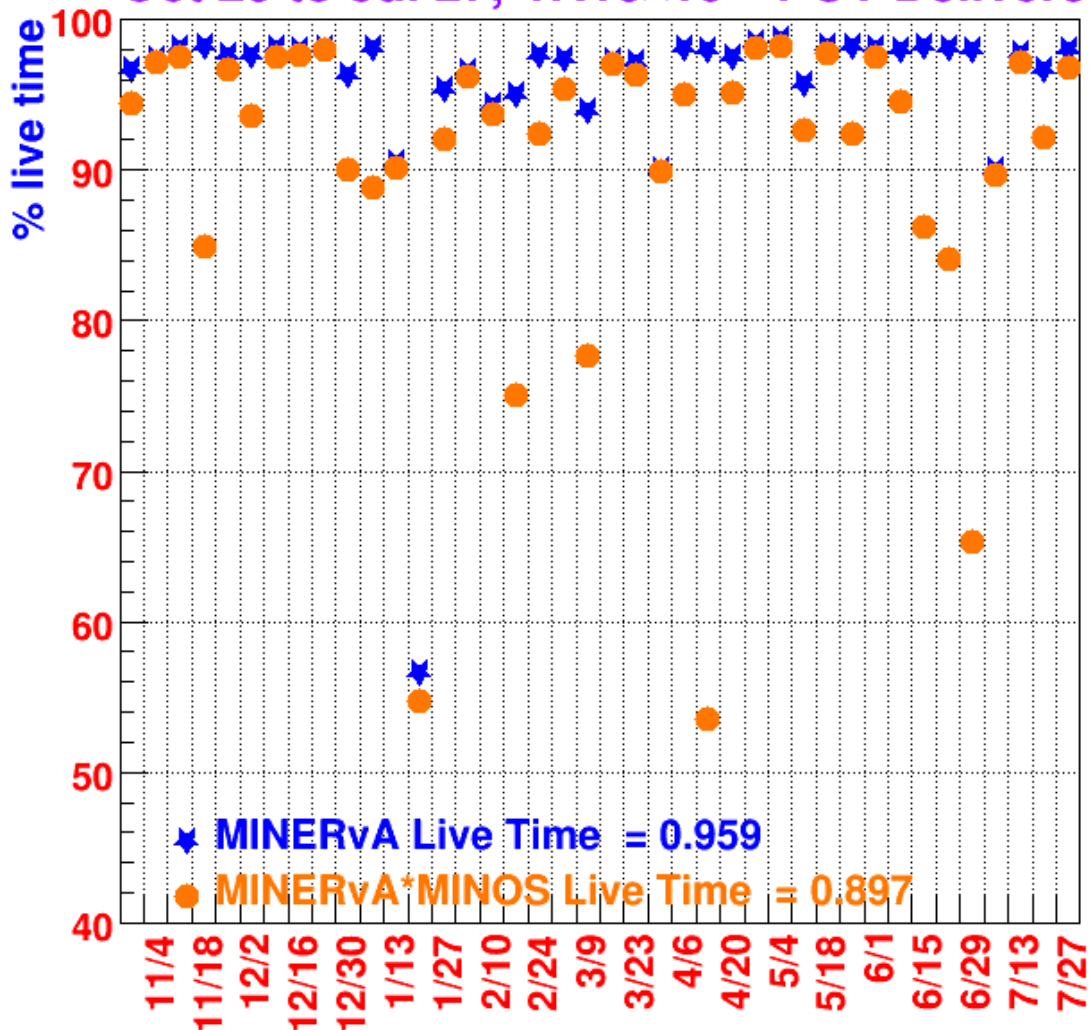
- Live Time – Jul 21-27
- $1.53 \times 10^{19}$  POT
- MINERvA 98.0%
- MINERvA\*MINOS 96.8%
- Jun 27- MINOS live 94.1%
  - 3 MINOS DAQ errors which were handled by the MINERvA expert.



# v Data



Oct 23 to Jul 27,  $47.13 \times 10^{19}$  POT Delivered



- Oct 23 2015 – Jul 27 2016
- $47.1 \times 10^{19}$  POT
- MINERvA 95.9%
- MINERvA\*MINOS 89.7%
- Sep 9 2013 – Jul 27 2016  
Live time for ME run
  - MINERvA 97.0%
  - MINERvA\*MINOS 93.2%



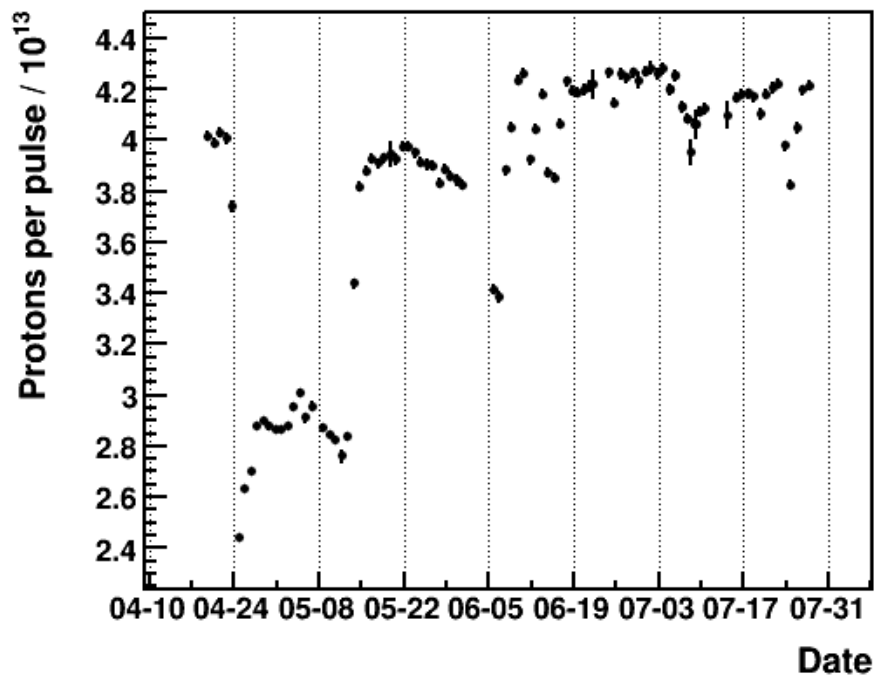
## $\nu$ Data



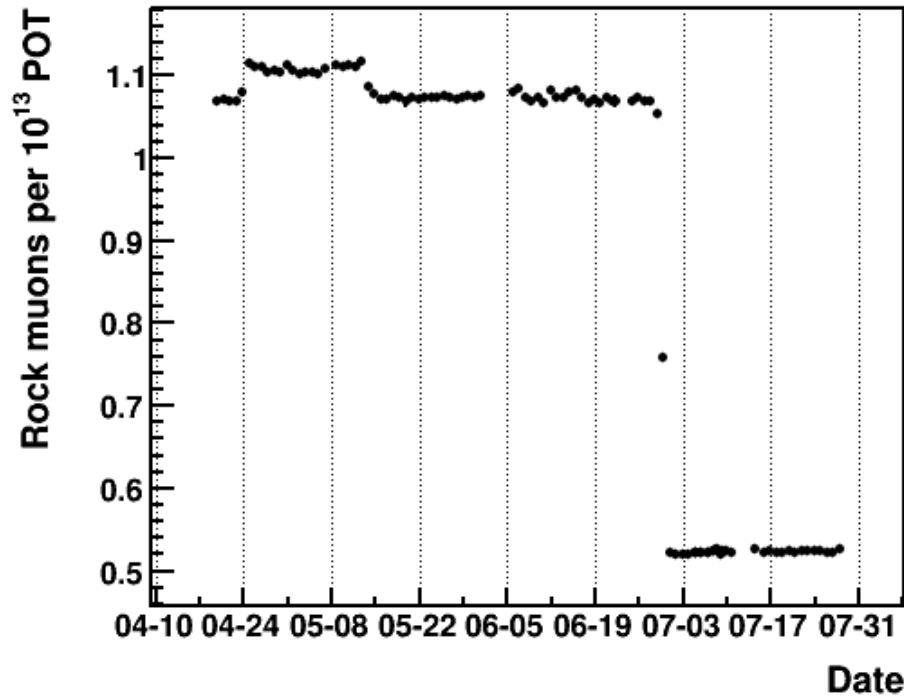
- As stated last week after turning off the LI on Jun 29, we have turned the LI back on July 21 to see if LI causes a data problems. The MINOS data has been fine since then.
  - Some of the lower MINOS efficiencies in the last couple months may have been due to a noisy channel rather than LI (light injection).



# Rock Muons/POT



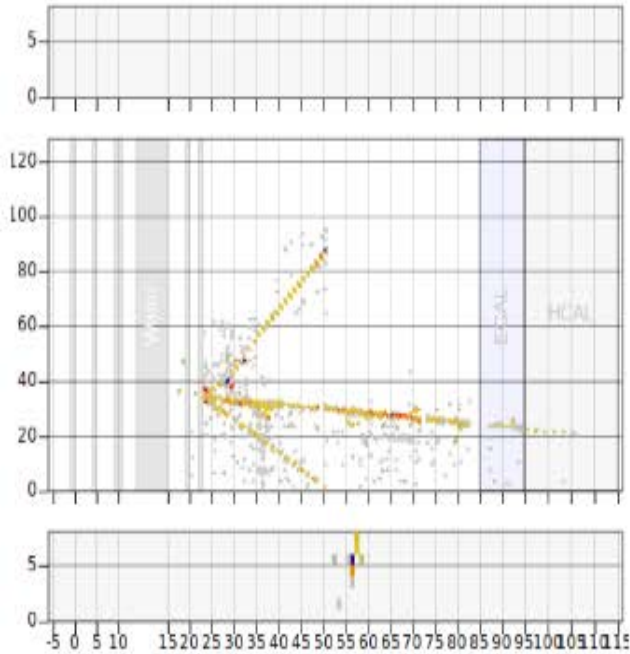
POT/Pulse



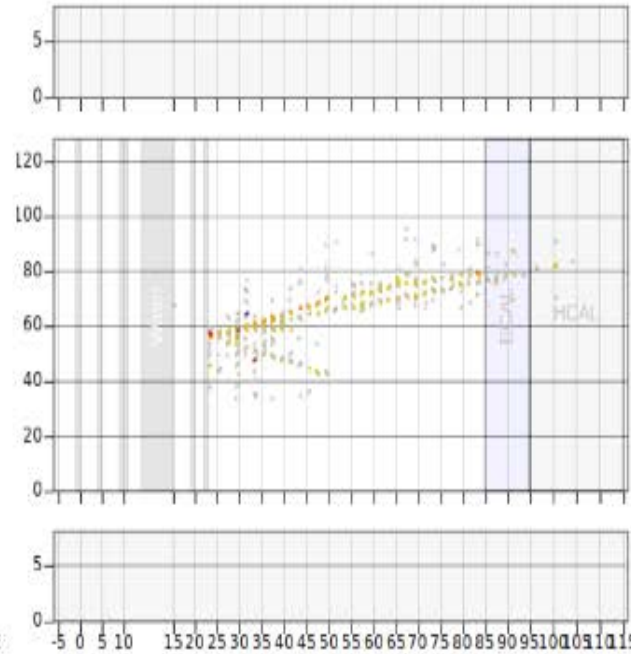
Rock Muons/POT



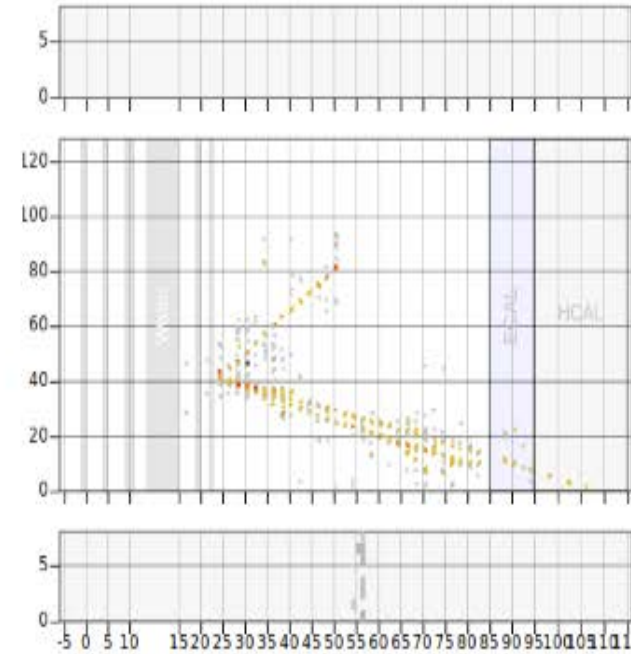
# Event Display



X View



V View

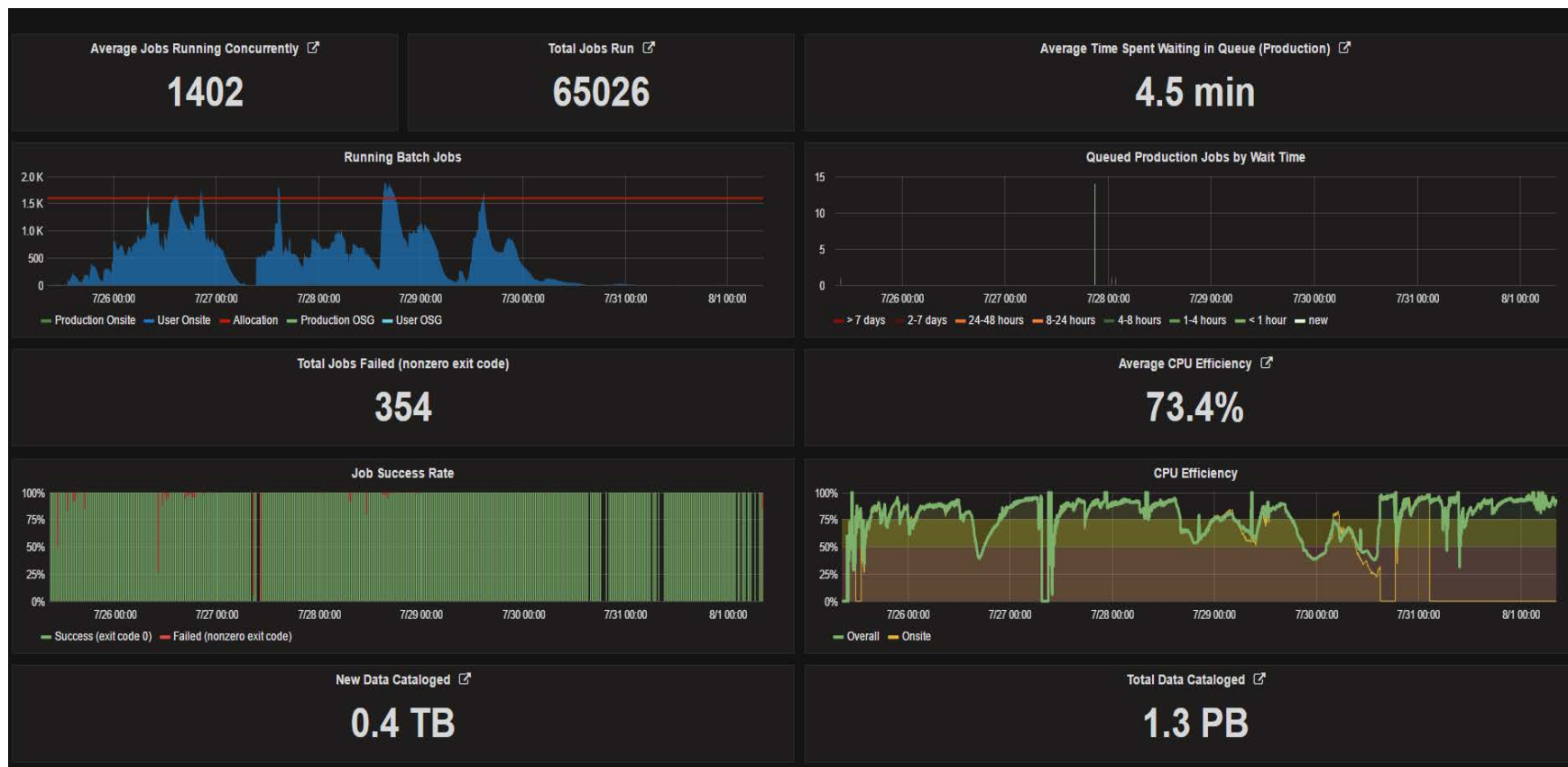


U View

Tracker Event



# Computing



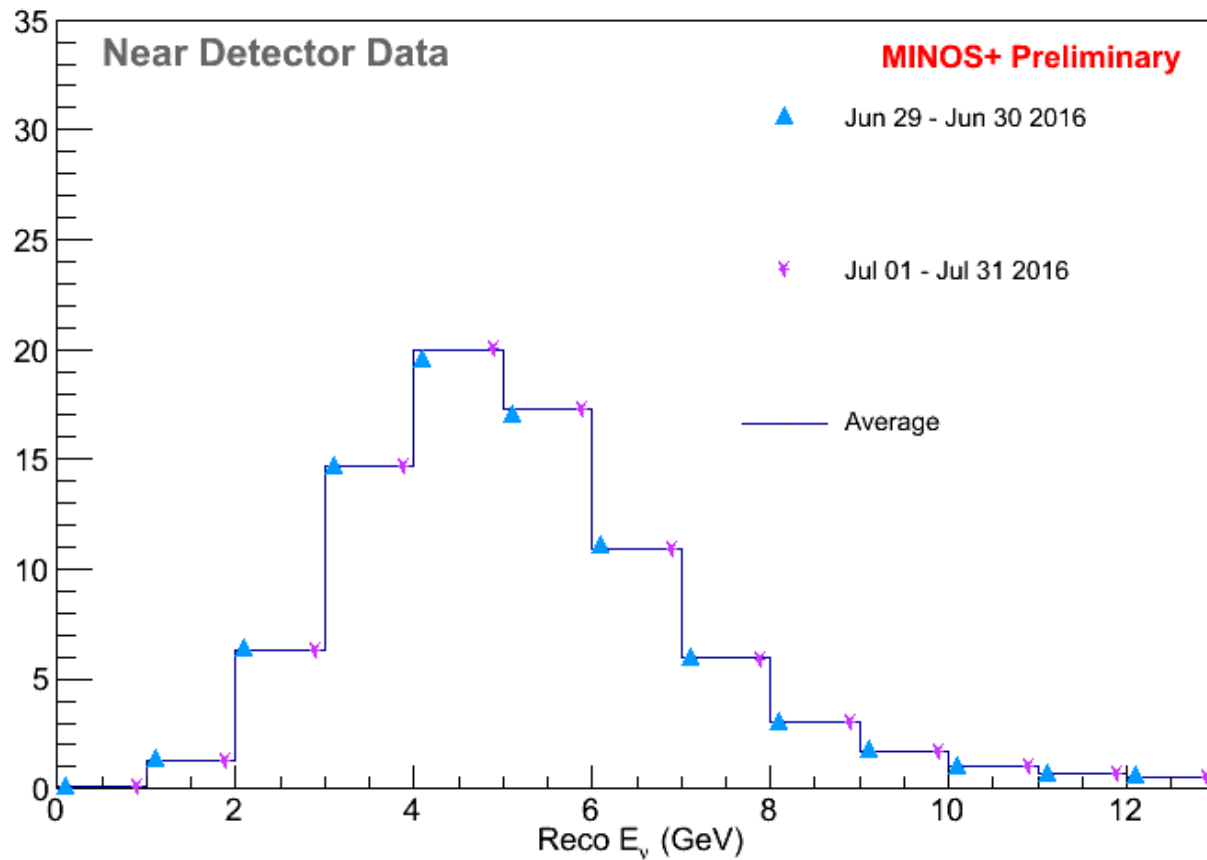
- Lower efficiency dominated by weekend activity from user copying files back to BlueArc instead of dCache.
- dCache issues causes some issues on Jul 28.



# Spectrum Stability



Neutrino Energy Spectrum Stability (PQ and NQ)



- [http://minos.fnal.gov/DataQuality/plots/MonthlyPlots/RHCSelection\\_EventEnergy.png](http://minos.fnal.gov/DataQuality/plots/MonthlyPlots/RHCSelection_EventEnergy.png)



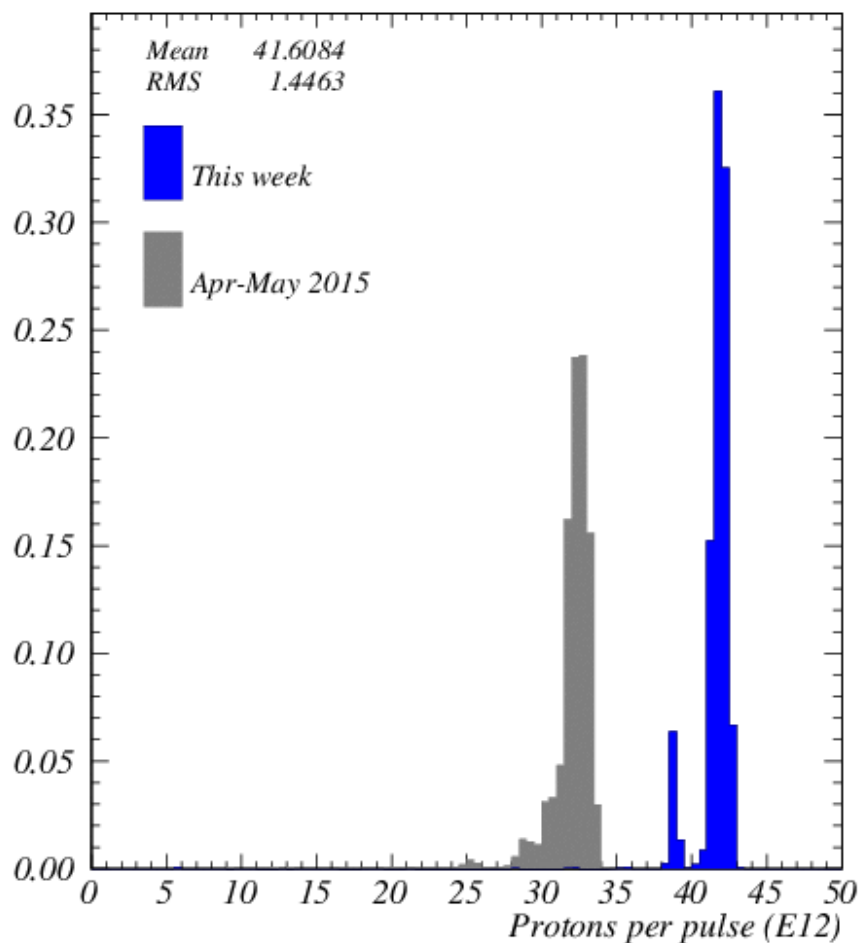


# NuMI Beam Plots

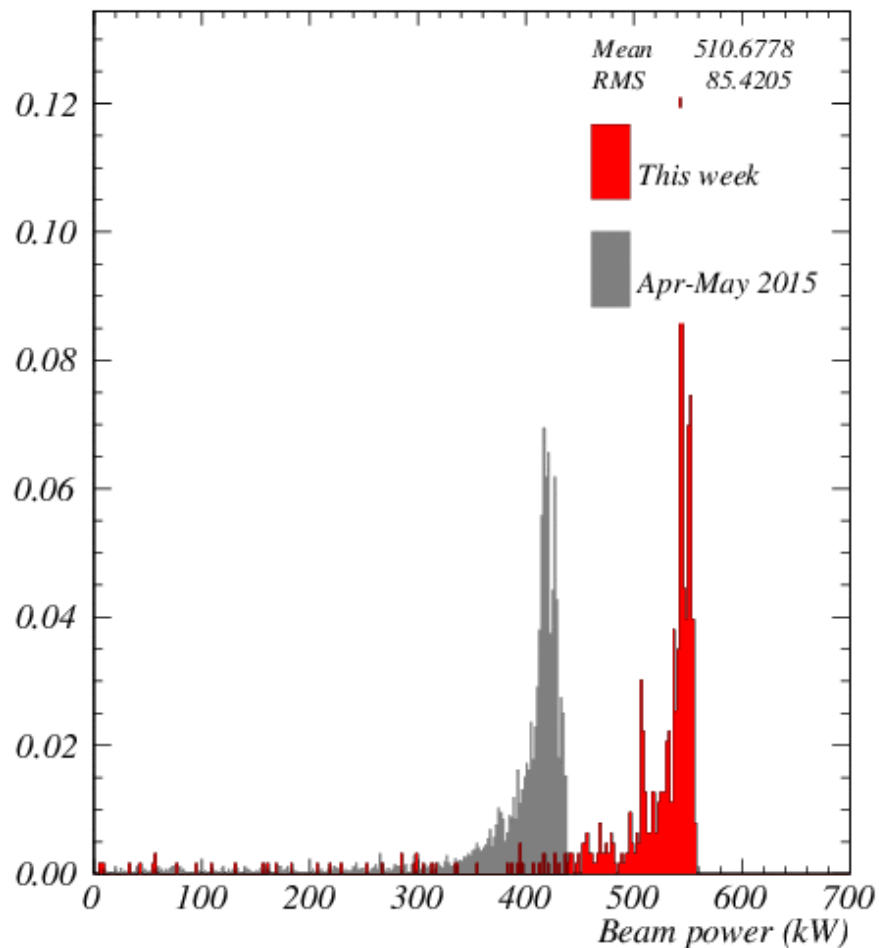
## Jul 26-29, 2016



Week ending 00:00 Monday 01 August 2016



Week ending 00:00 Monday 01 August 2016

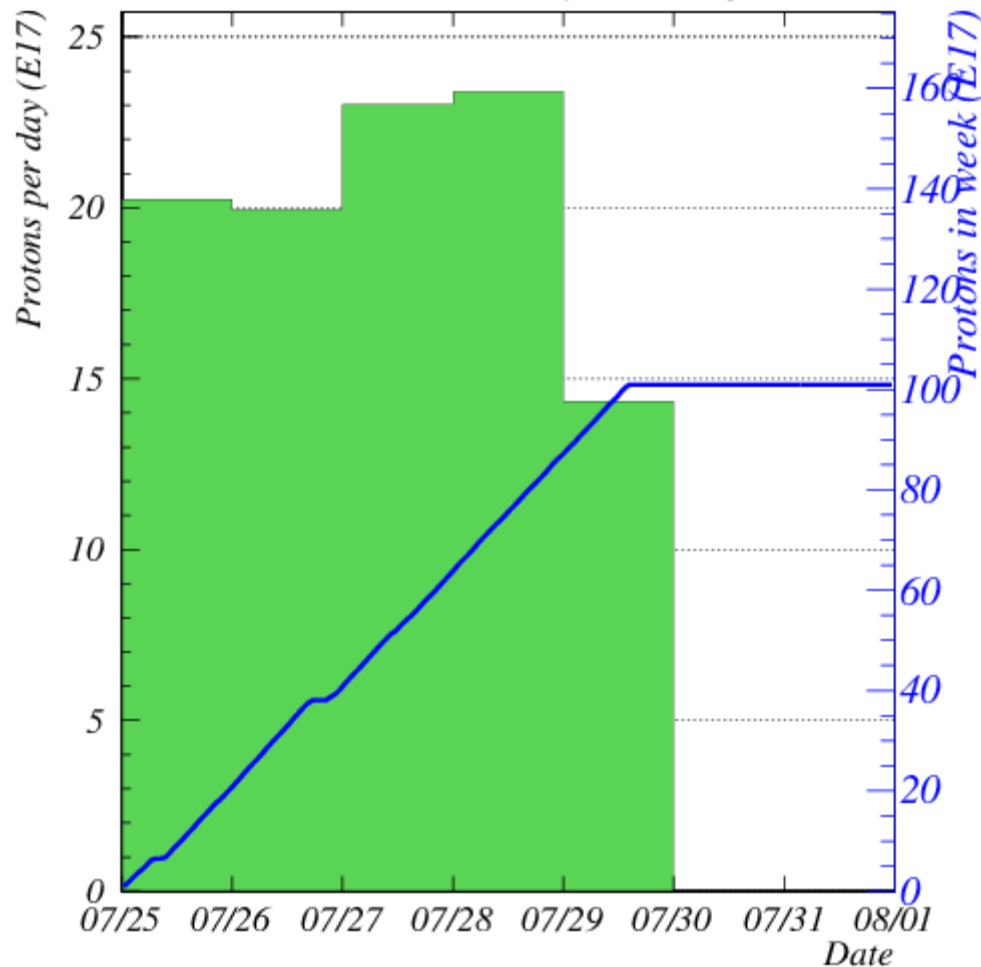




# Protons for the Week



Week to 00:00 Monday 01 August 2016



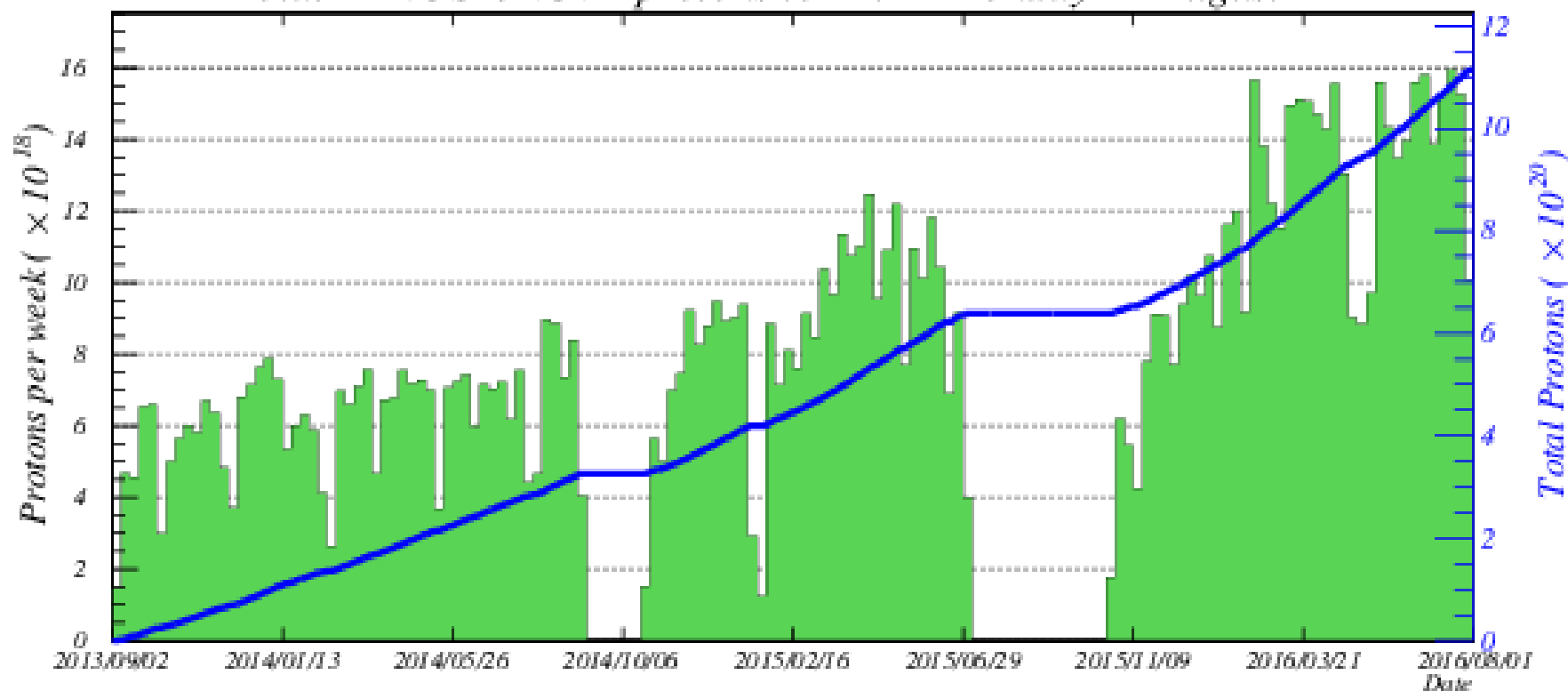
$1.01 \times 10^{19}$  POT  
Jul 25-29, 2016



# Protons for ME Run



Total MINOS+/NOvA protons to 00:00 Monday 01 August 2016



FHC  $10.48 \times 10^{20}$  POT - Sep 6, 2013 – Jun 29, 2016

RHC  $0.65 \times 10^{20}$  POT – Jun 29, 2016 – Jul 29, 2016