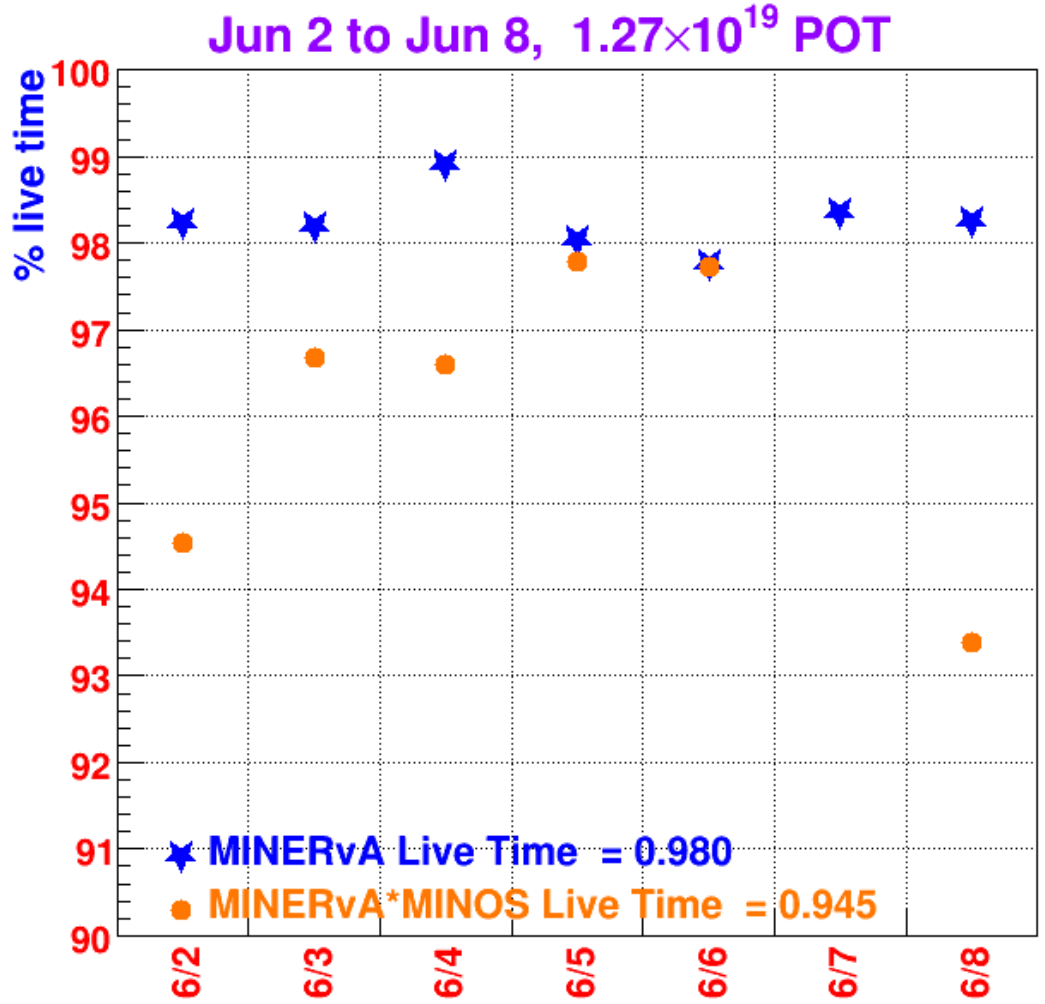
The MINERνA Operations Report
All Experimenters Meeting

Howard Budd, University of Rochester

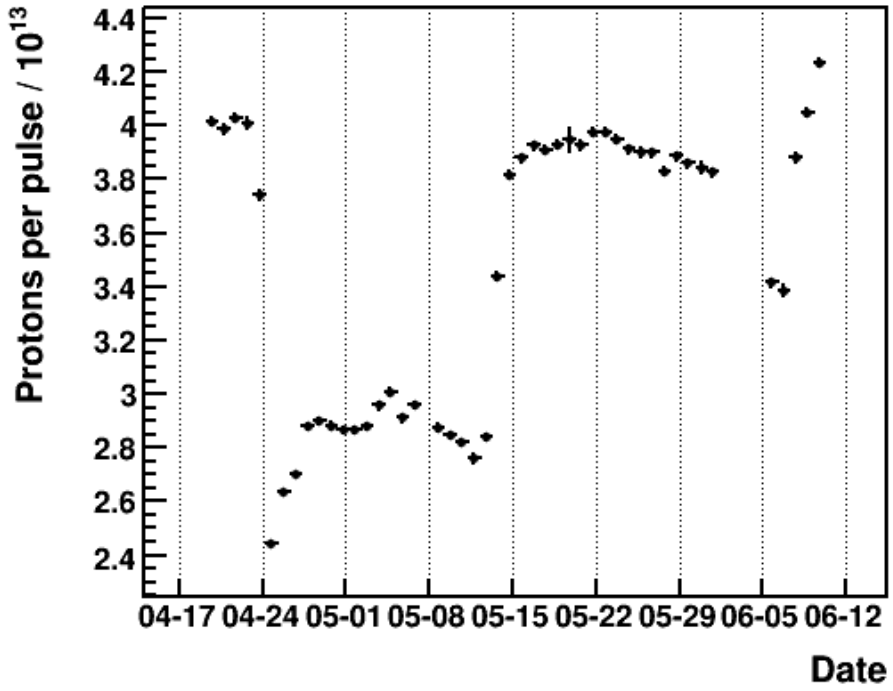
Jun 13, 2016

ν Data

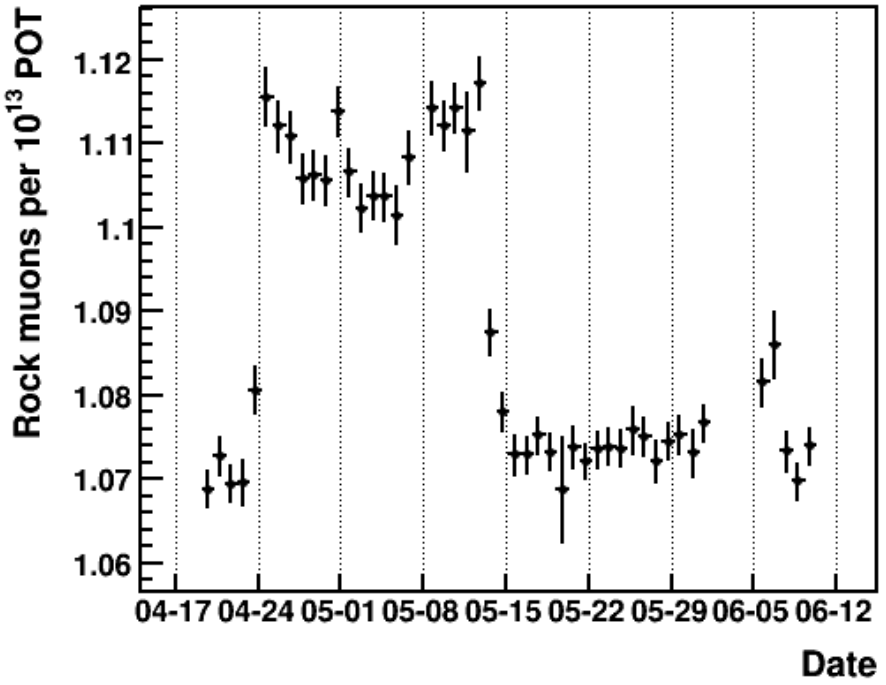


- Live Time – Jun 2-8
- 1.27×10^{19} POT
- MINERvA 98.0%
- MINERvA*MINOS 94.5%

Rock Muons/POT

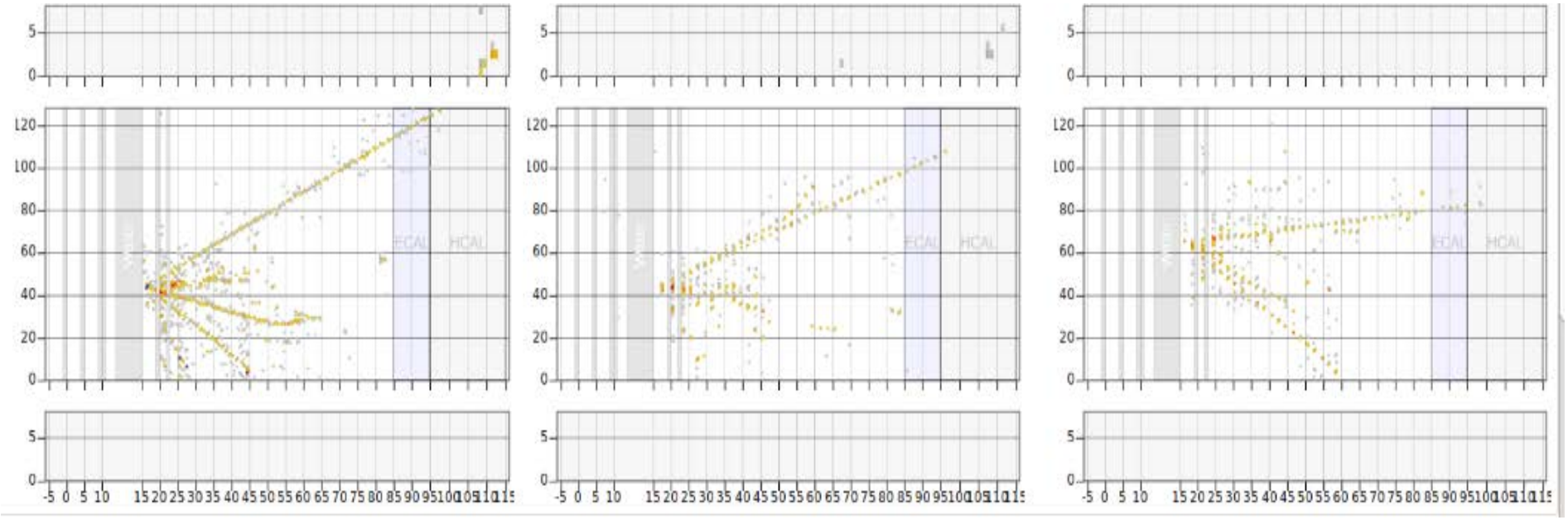


POT/Pulse



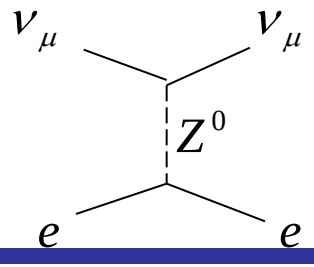
Rock Muons/POT

Event Display



X View V View U View

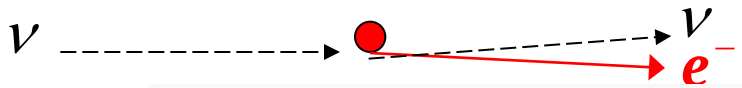
Nuclear Target CC Event

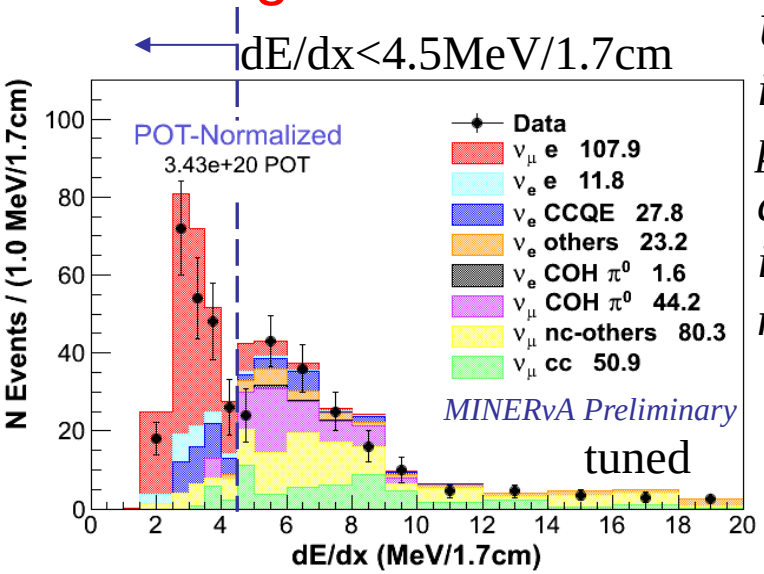


Neutrino-Electron Scattering

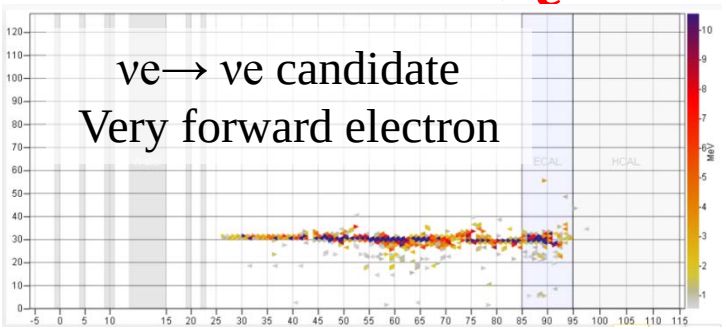
"Measurement of Neutrino Flux from neutrino-electron elastic scattering"

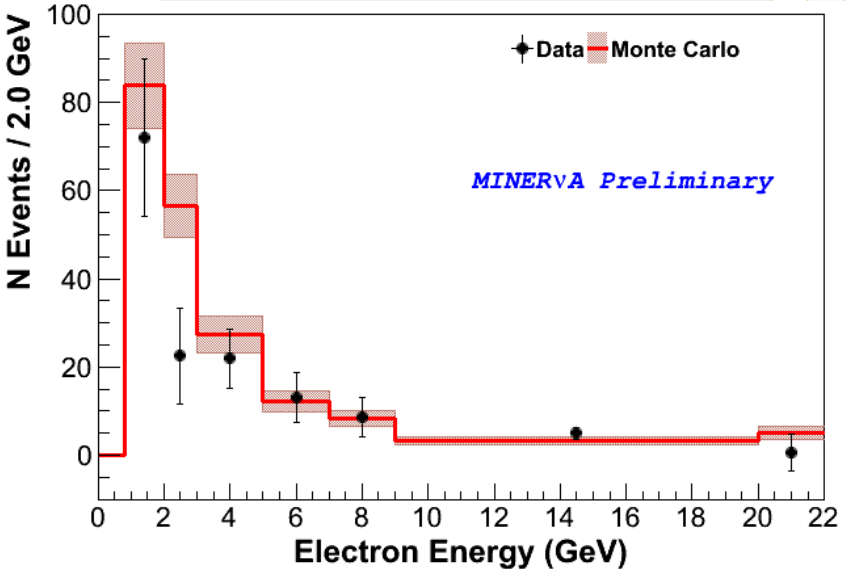
Published in PRD 93, 112007
Jun 10 2016





Use early ionization to reject photons and direction to reject interactions on nucleons

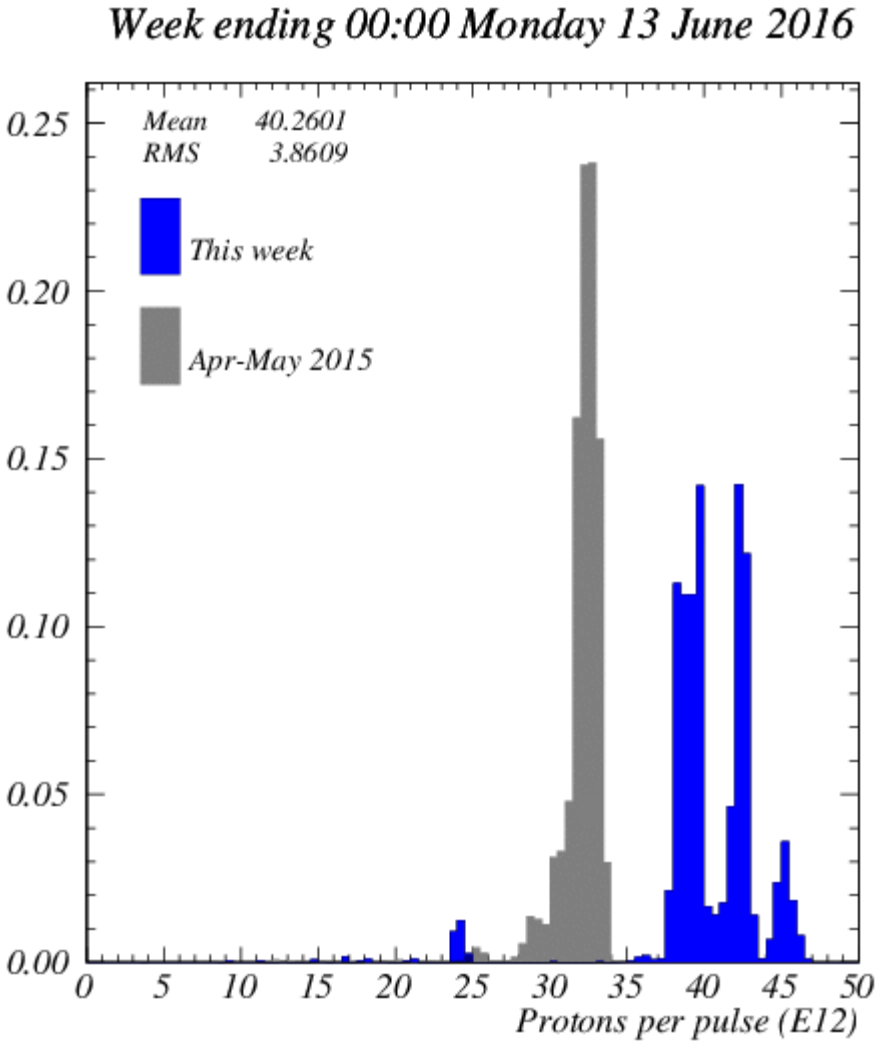


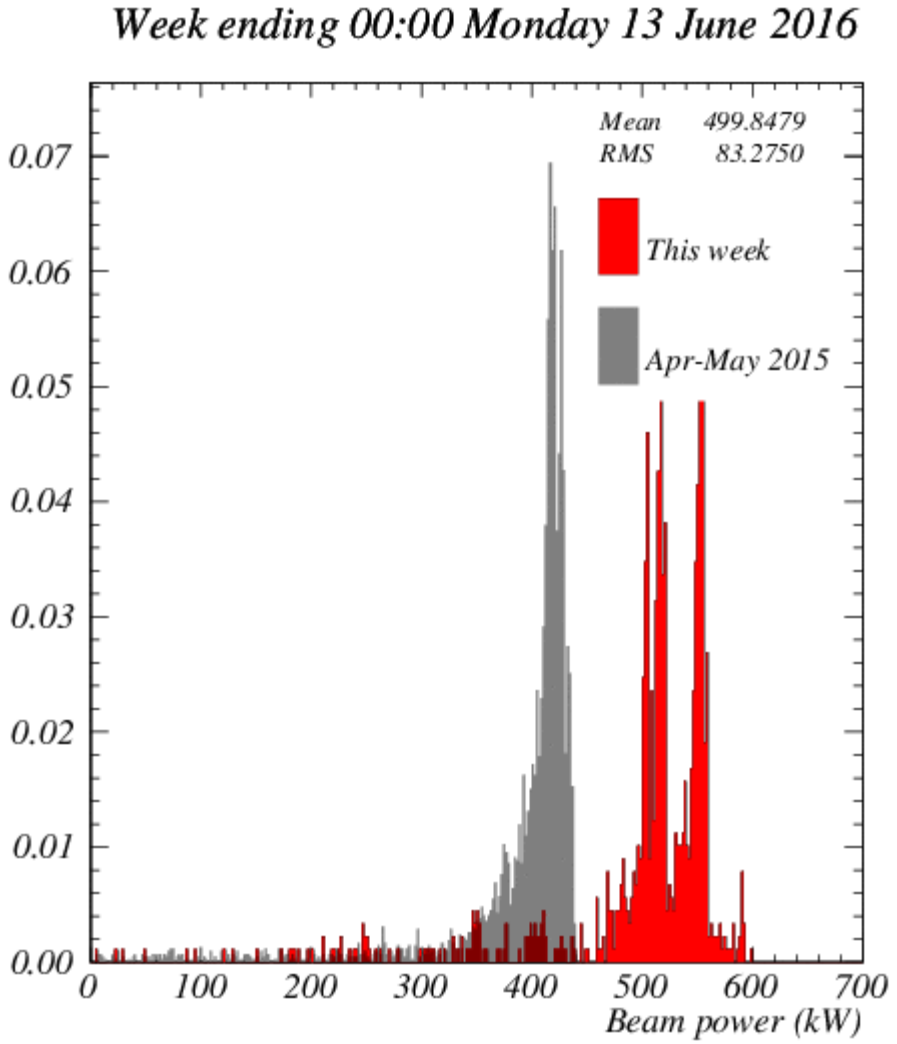


Measurement in LE NuMI beam constrains flux at precision similar to hadroproduction uncertainties

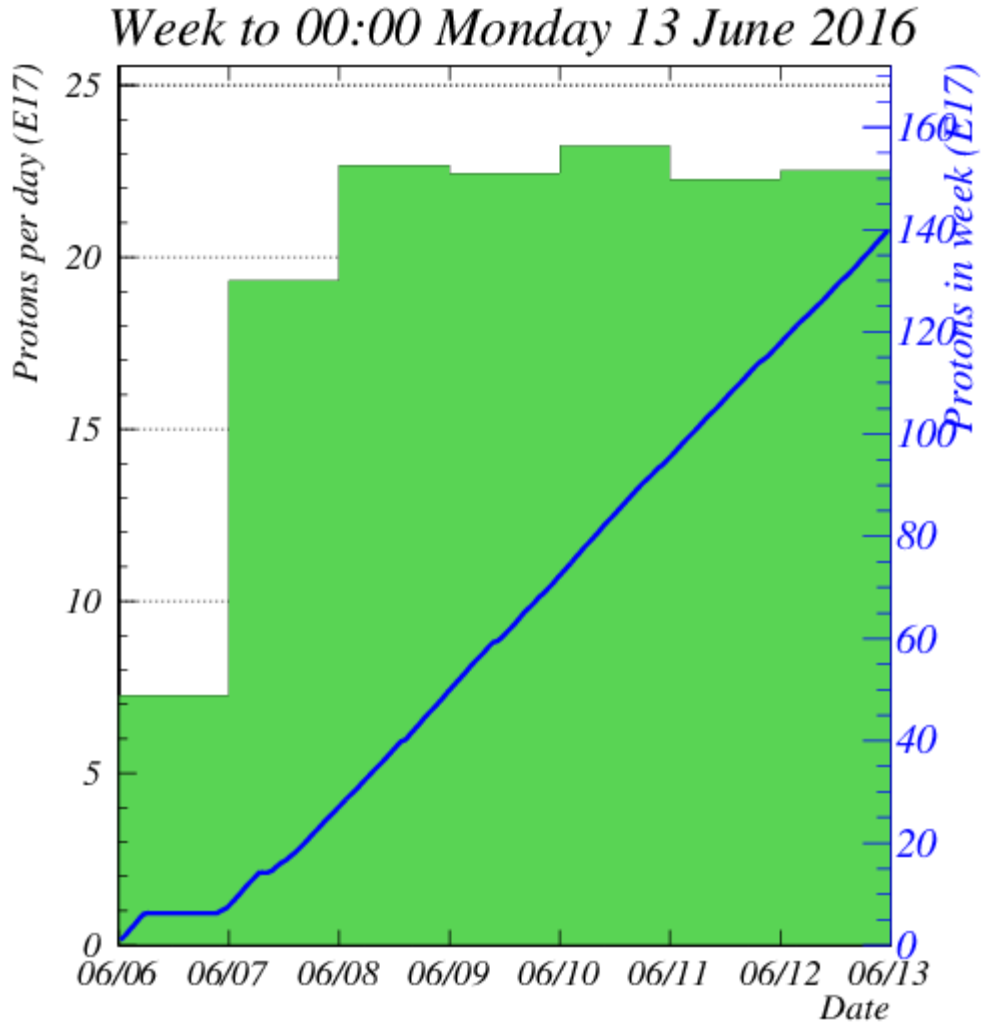
Technique will be even more powerful in NOvA era beam with higher energy and rate

NuMI Beam Plots
Jun 6 - 12 , 2016



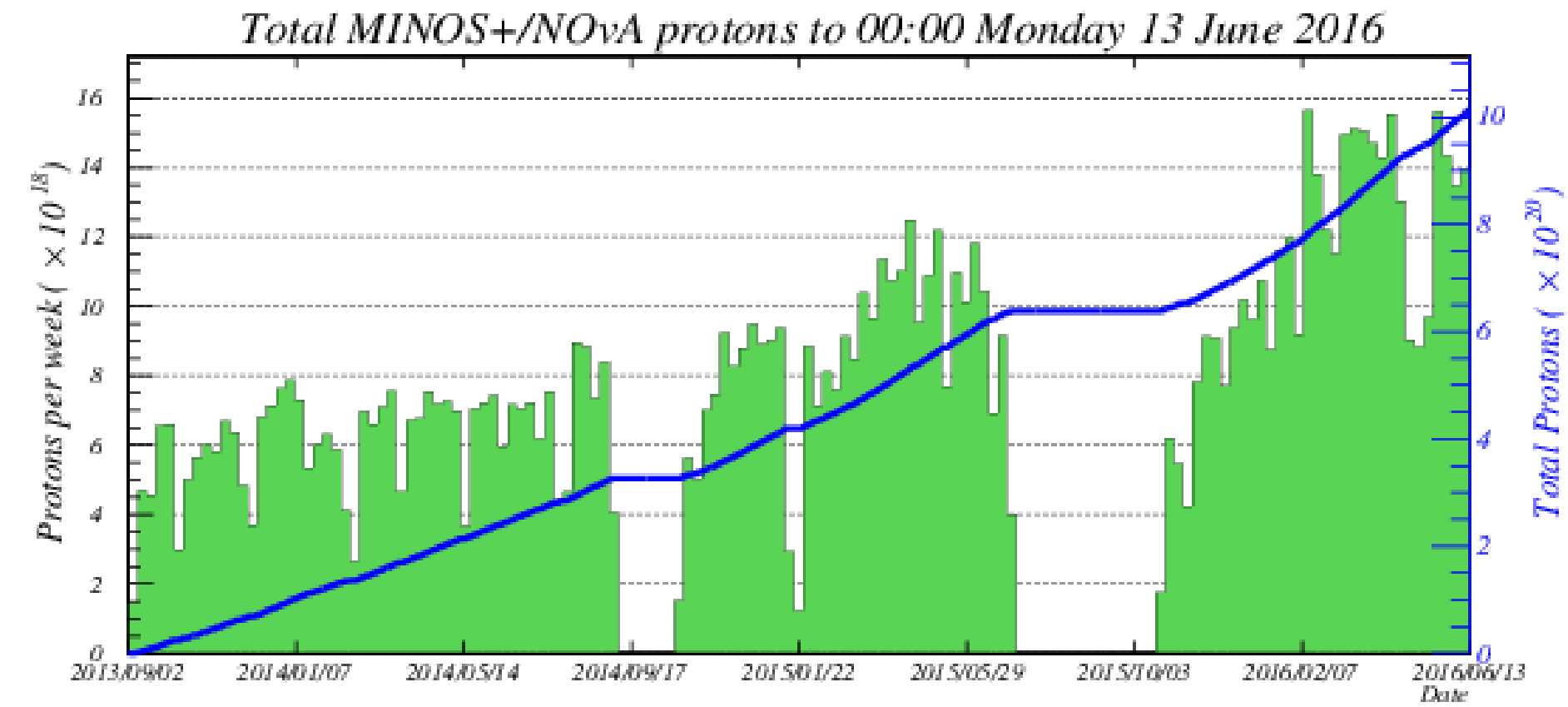


Protons for the Week



1.40×10^{19} POT
Jun 6-12, 2016

Protons for ME Run



10.12×10^{20} POT - Sep 6, 2013 – Jun 12, 2016

Congratulations to AD on achieving 10^{21} POT in ME Run