



MINOS+ All Experimenters' Meeting Report

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2016-5-9

Detector Issues

- ▶ FD coil turned off for Soudan Open House on 7th
 - ▶ Fun times were had – the joy of PR
 - ▶ Current restored at 'EOB' without issue
- ▶ ND hot channel/CAPID
 - ▶ Still have some minders that need replacement – Wednesday could be good swap opportunity
- ▶ Few DAQ crashes recovered with reset in short order



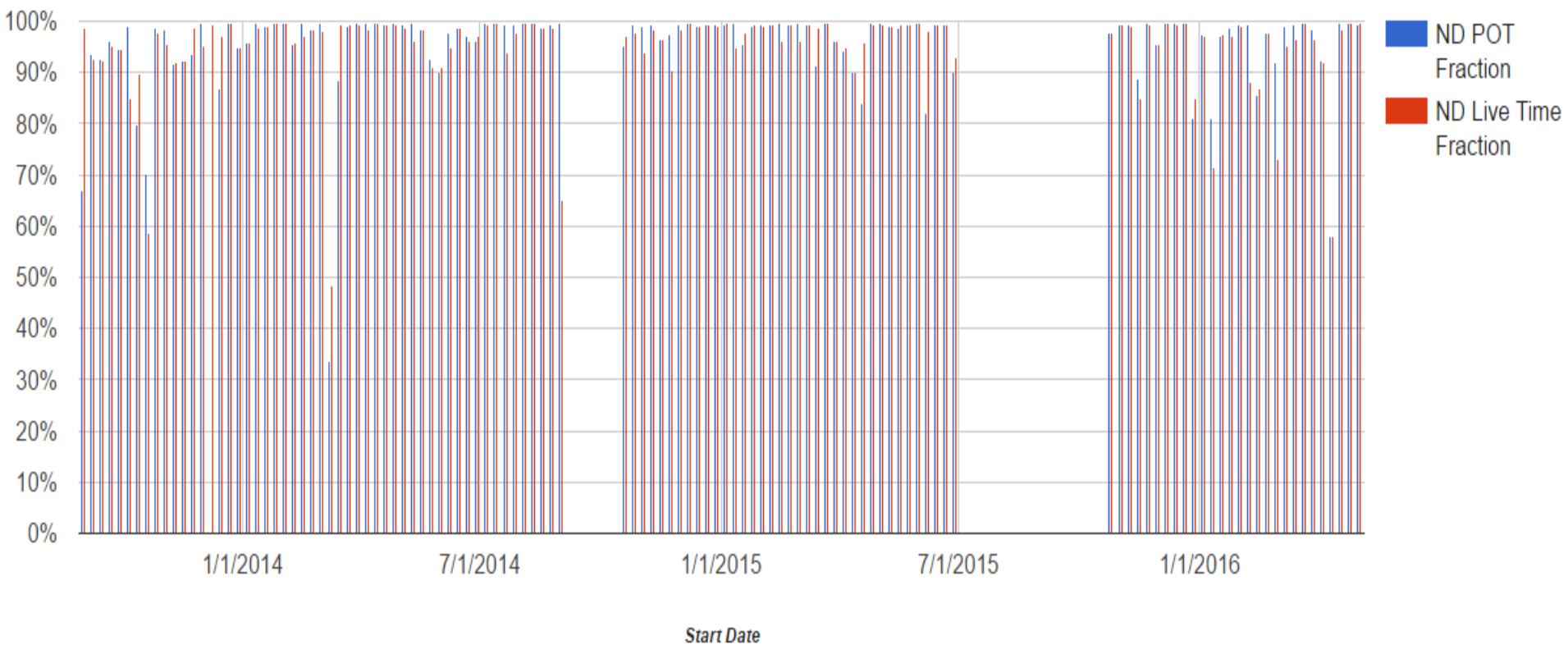
MINOS+ Status

Start Date/Time	End Date/Time	Near Detector		Far Detector	
		POT Fraction	Live Time Fraction	POT Fraction	Live Time Fraction
3/7/16 00:00:00	3/14/16 00:00:00	99.0%	95.2%	99.9%	99.7%
3/14/16 00:00:00	3/21/16 00:00:00	99.3%	96.5%	99.8%	99.5%
3/21/16 00:00:00	3/28/16 00:00:00	99.7%	99.7%	99.8%	99.8%
3/28/16 00:00:00	4/4/16 00:00:00	98.5%	96.5%	98.3%	98.2%
4/4/16 00:00:00	4/11/16 00:00:00	92.4%	91.9%	99.9%	97.9%
4/11/16 00:00:00	4/18/16 00:00:00	58.3%	58.7%	99.8%	99.9%
4/18/16 00:00:00	4/25/16 00:00:00	99.6%	98.3%	99.4%	99.5%
4/25/16 00:00:00	5/2/16 00:00:00	99.6%	99.7%	98.0%	98.0%
5/2/16 00:00:00	5/9/16 00:00:00	99.5%	99.6%	94.0%	93.8%

Bold: LI Issue ND

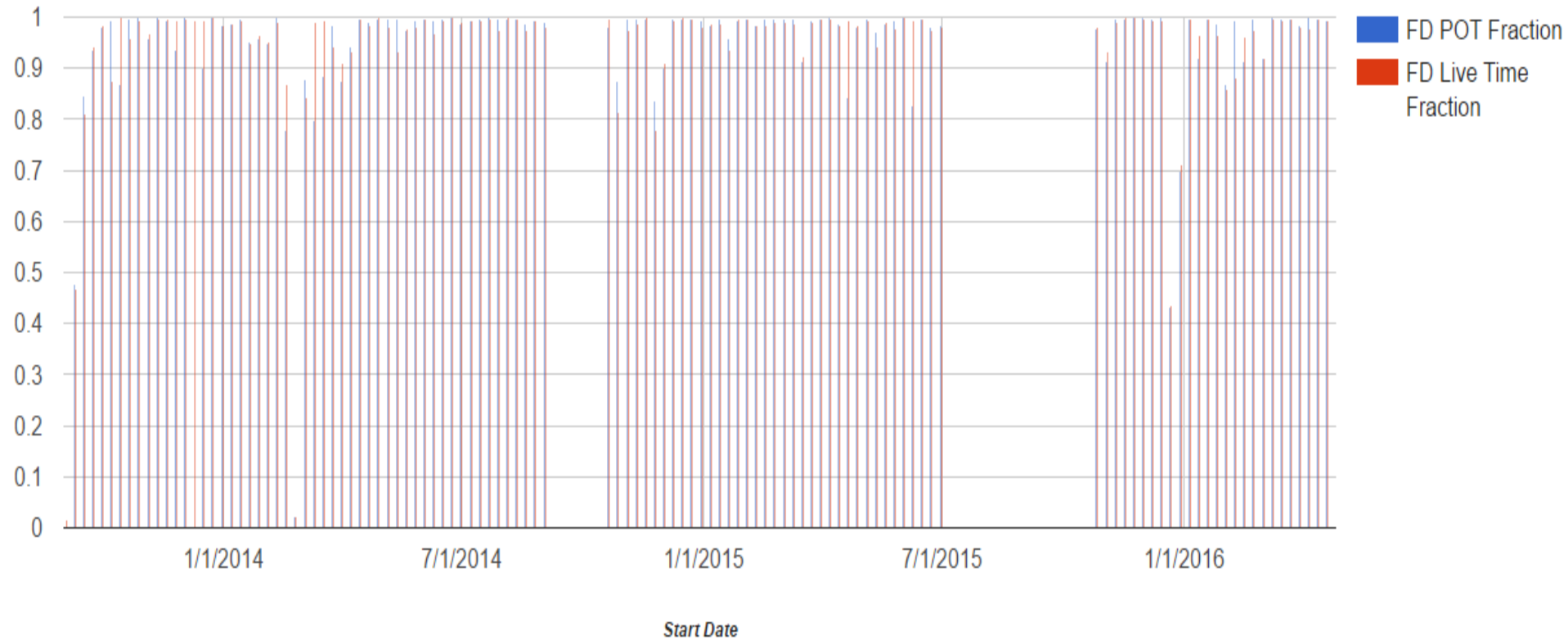
ND Status

ND POT fraction and Live Time Fraction



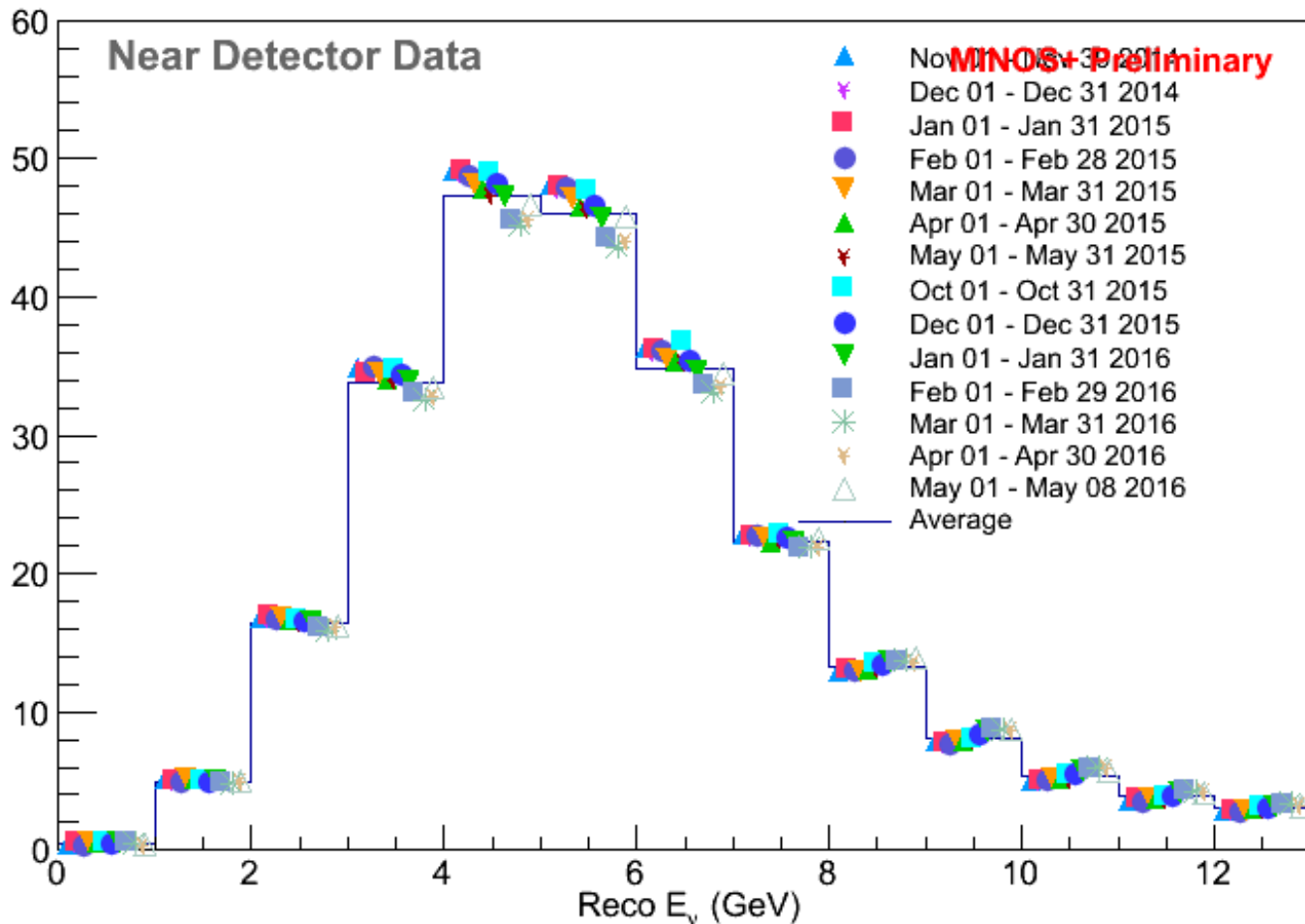
FD Status

FD POT Fraction and Live Time Fraction



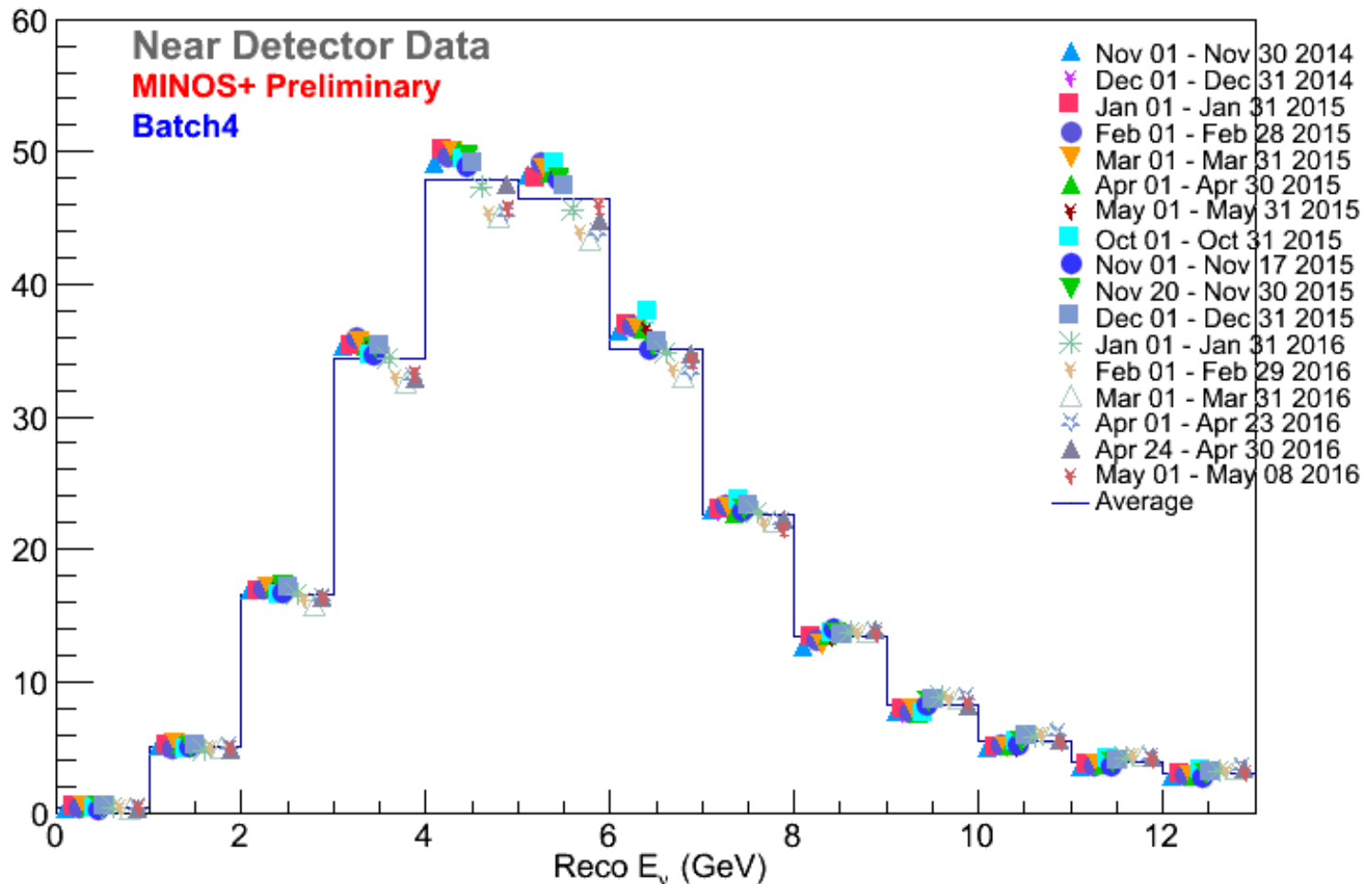
Spectrum!

Neutrino Energy Spectrum Stability (PQ and NQ)



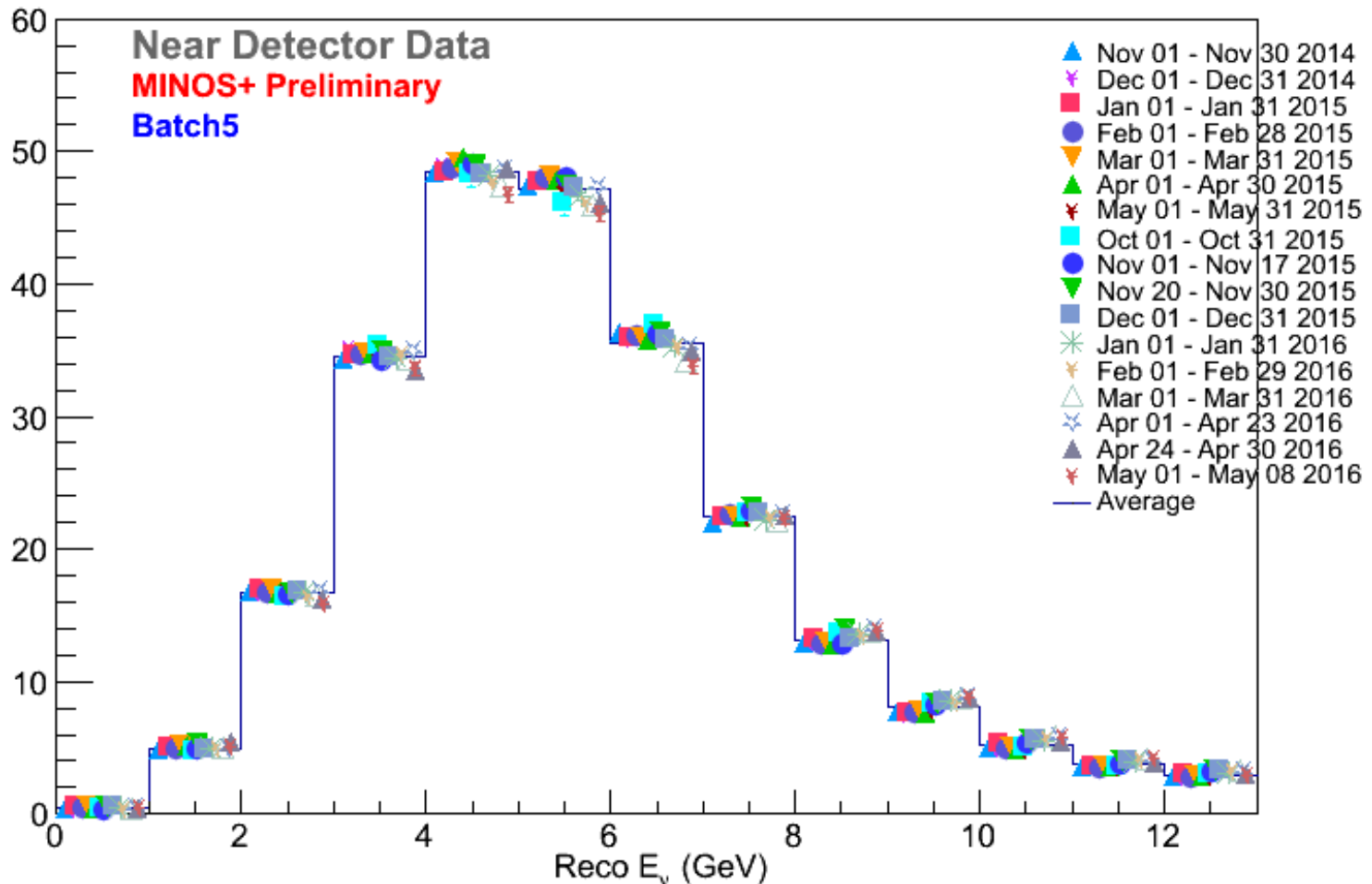
Spectrum Stability Batch 4

Neutrino Selected Batch Energy Spectrum Stability (PQ and NQ)



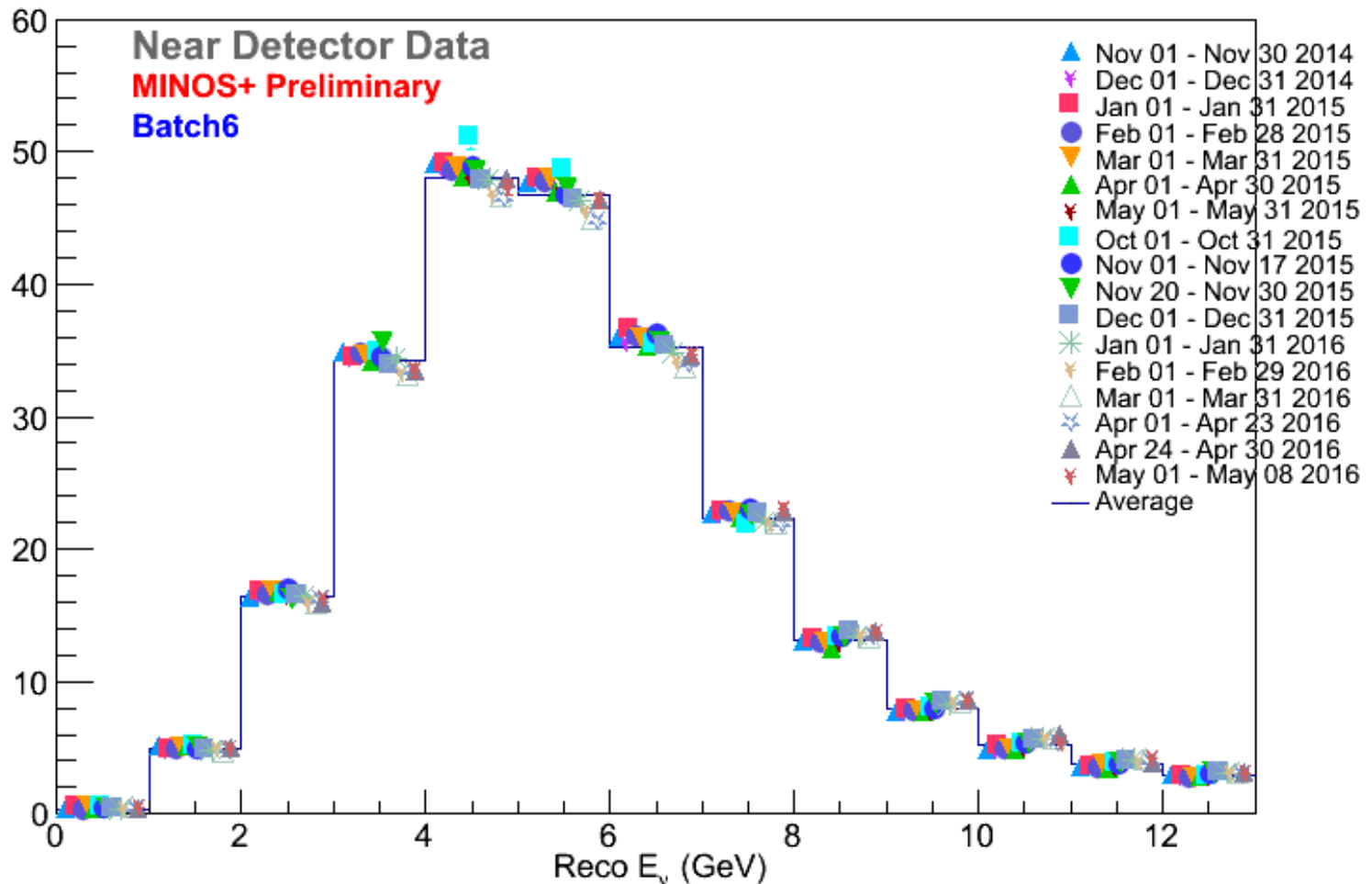
Spectrum Stability Batch 5

Neutrino Selected Batch Energy Spectrum Stability (PQ and NQ)



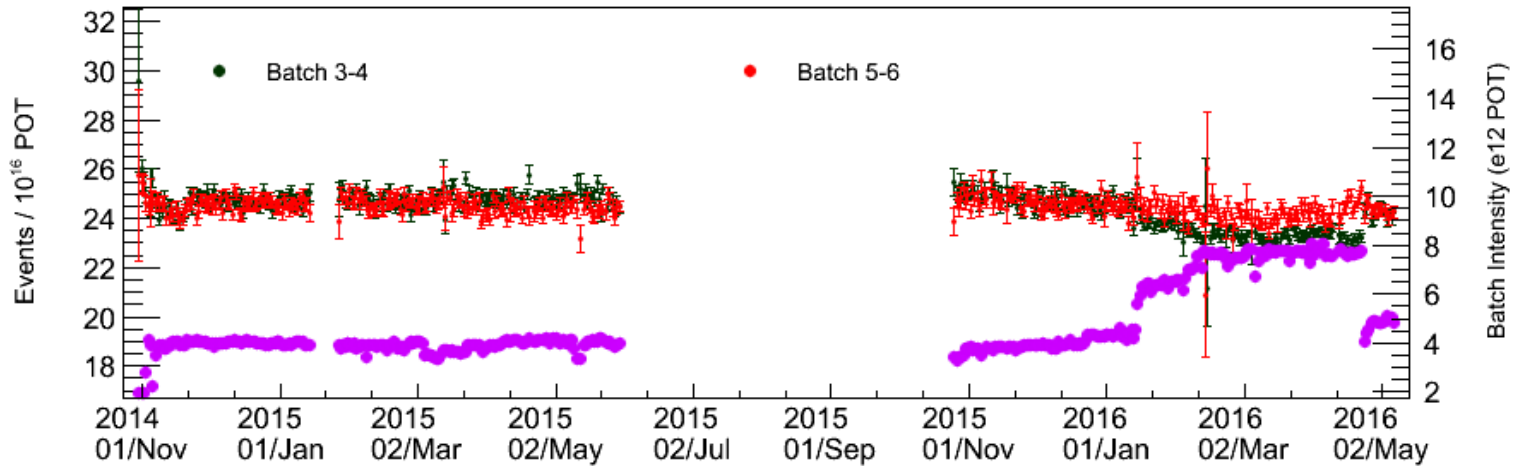
Spectrum Stability Batch 6

Neutrino Selected Batch Energy Spectrum Stability (PQ and NQ)

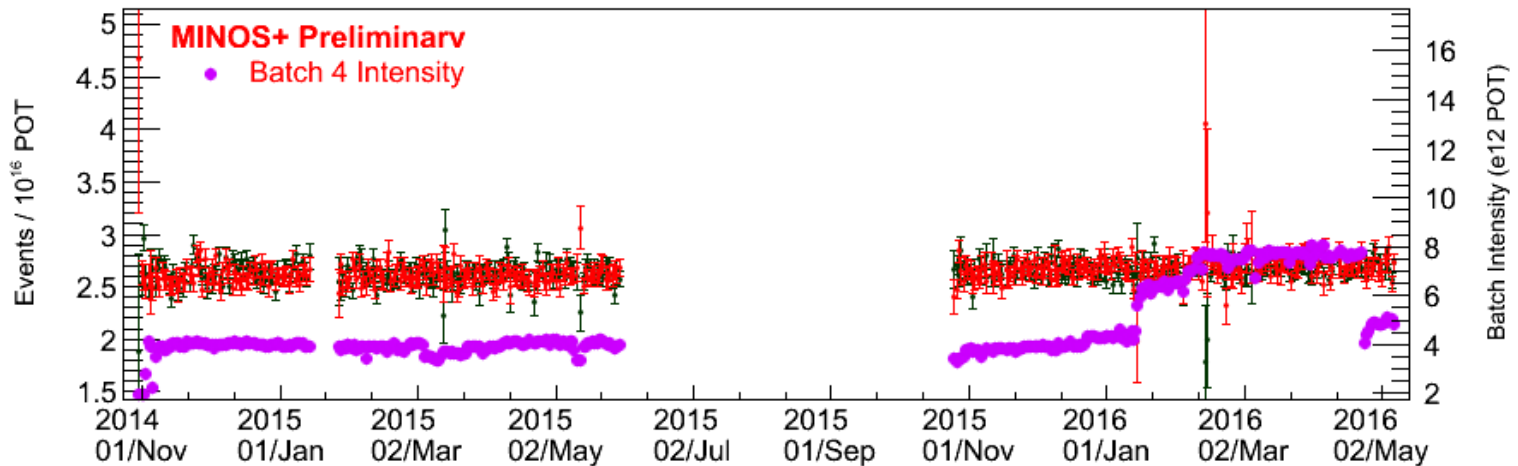


Events/POT vs Time

Neutrino Events Per POT v.s. Time ($E_\nu < 14$ GeV)

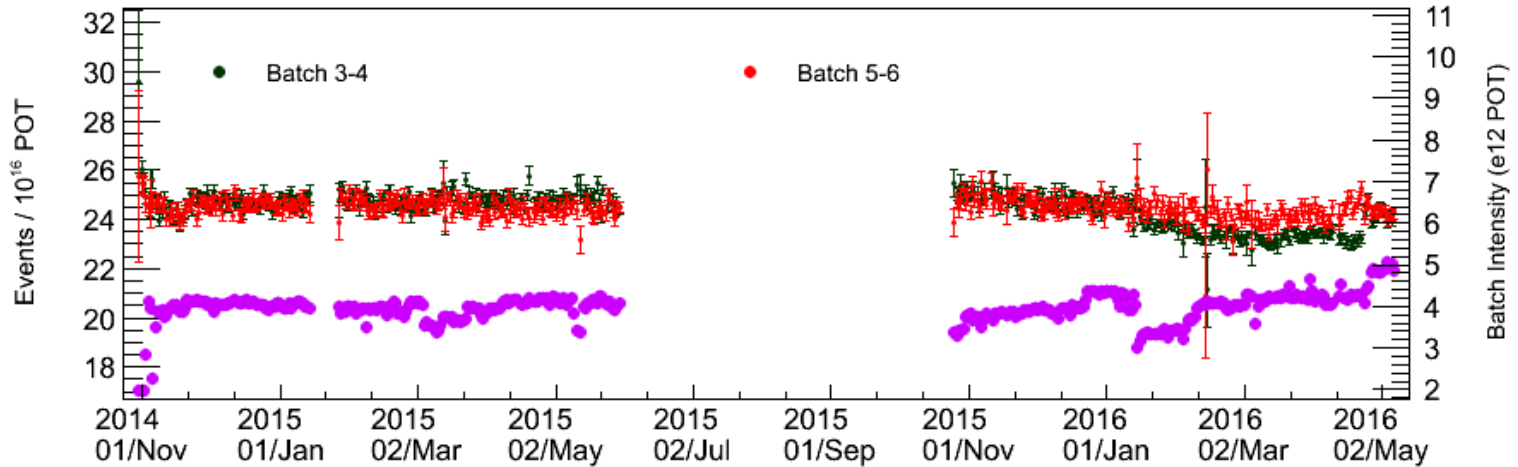


Neutrino Events Per POT v.s. Time ($E_\nu > 14$ GeV)

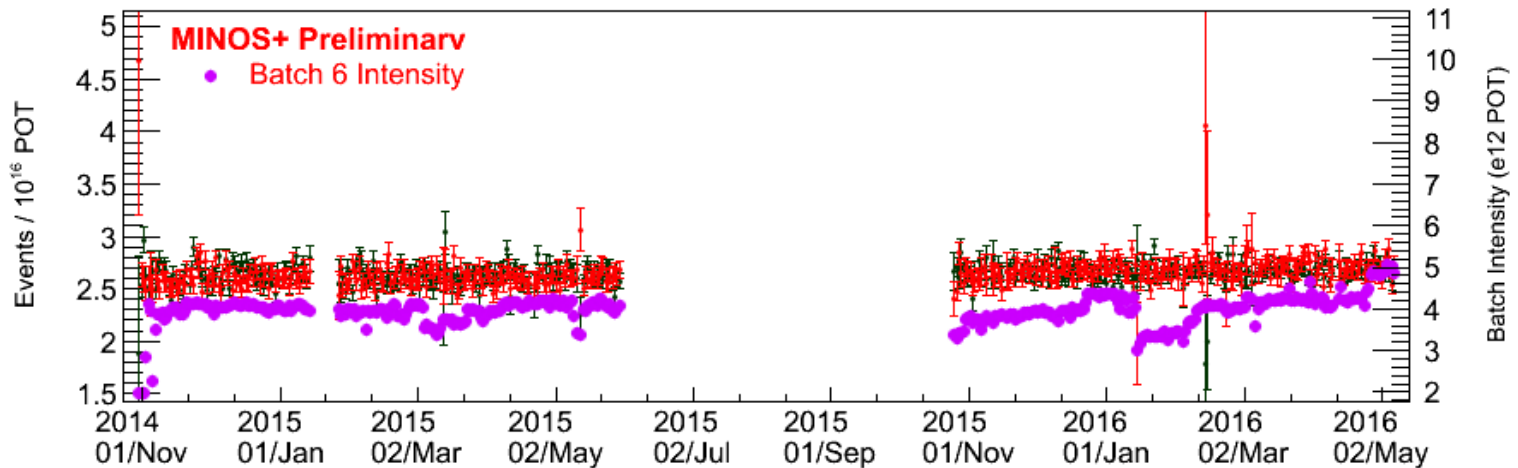


Events/POT vs Time

Neutrino Events Per POT v.s. Time ($E_{\nu} < 14$ GeV)



Neutrino Events Per POT v.s. Time ($E_{\nu} > 14$ GeV)



Spectrum by Batch!

- ▶ <http://minos.fnal.gov/DataQuality/BatchPage.php>
- ▶ Look, it's a link.