



MINOS+ All Experimenters' Meeting Report

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2016-6-6

Detector Issues

▶ FD Issues

- ▶ HVAC alarm – proved to be bogus
- ▶ Hot chip found on 24th and swapped on 25th
- ▶ HV error due to misread on the 2nd – cleared on next update
- ▶ FD ROP 0 Fan Pack died – Ran without Crate 0 for 12 hours

▶ ND likes to be loud

- ▶ RPS warnings this weekend
 - ▶ Swap out going on now on
- ▶ Some hot channels found and swapped as well
- ▶ A few DAQ crashes recovered via reset



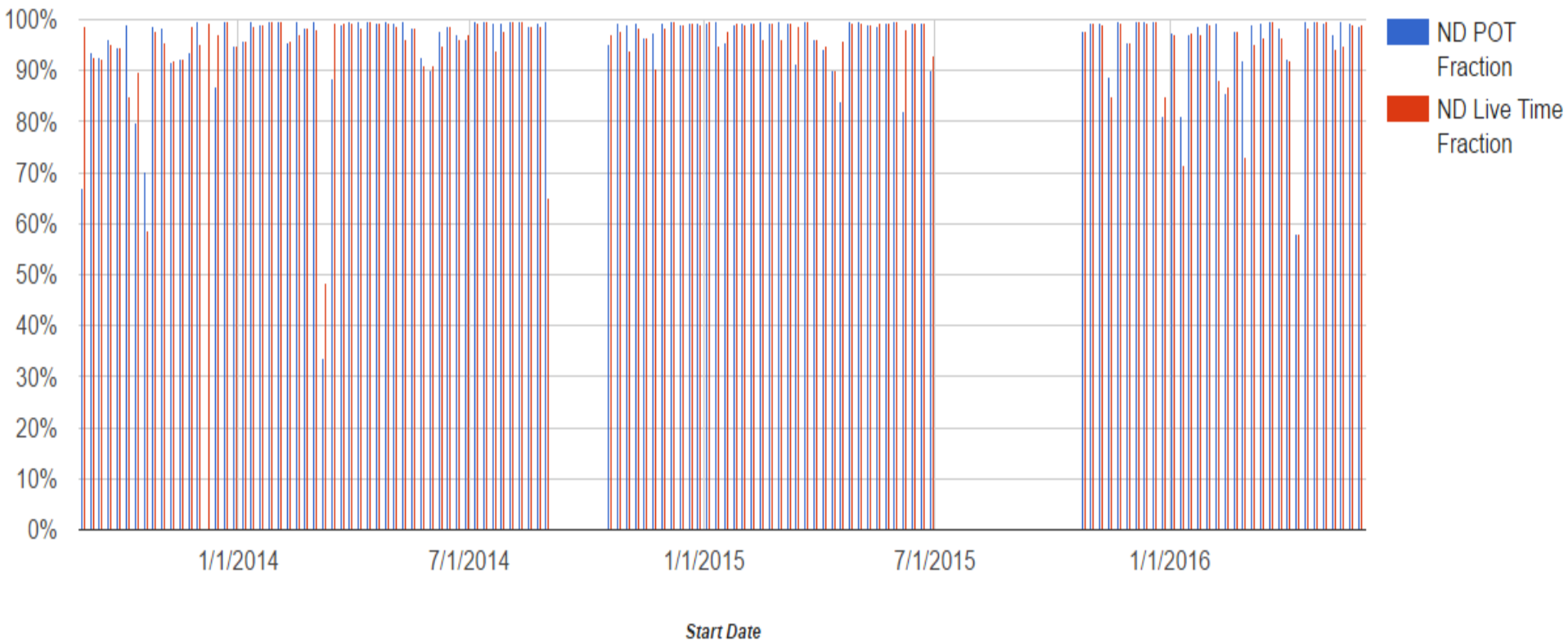
MINOS+ Status

Start Date/Time	End Date/Time	Near Detector		Far Detector	
		POT Fraction	Live Time Fraction	POT Fraction	Live Time Fraction
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%
5/9/16 00:00:00	5/16/16 00:00:00	97.0%	94.3%	99.9%	99.5%
5/16/16 00:00:00	5/23/16 00:00:00	94.4%	94.6%	99.8%	99.9%
5/23/16 00:00:00	5/30/16 00:00:00	99.5%	99.0%	99.9%	99.5%
5/30/16 00:00:00	6/6/16 00:00:00	98.8%	99.0%	94.0%	93.8%

Bold: LI Issue ND

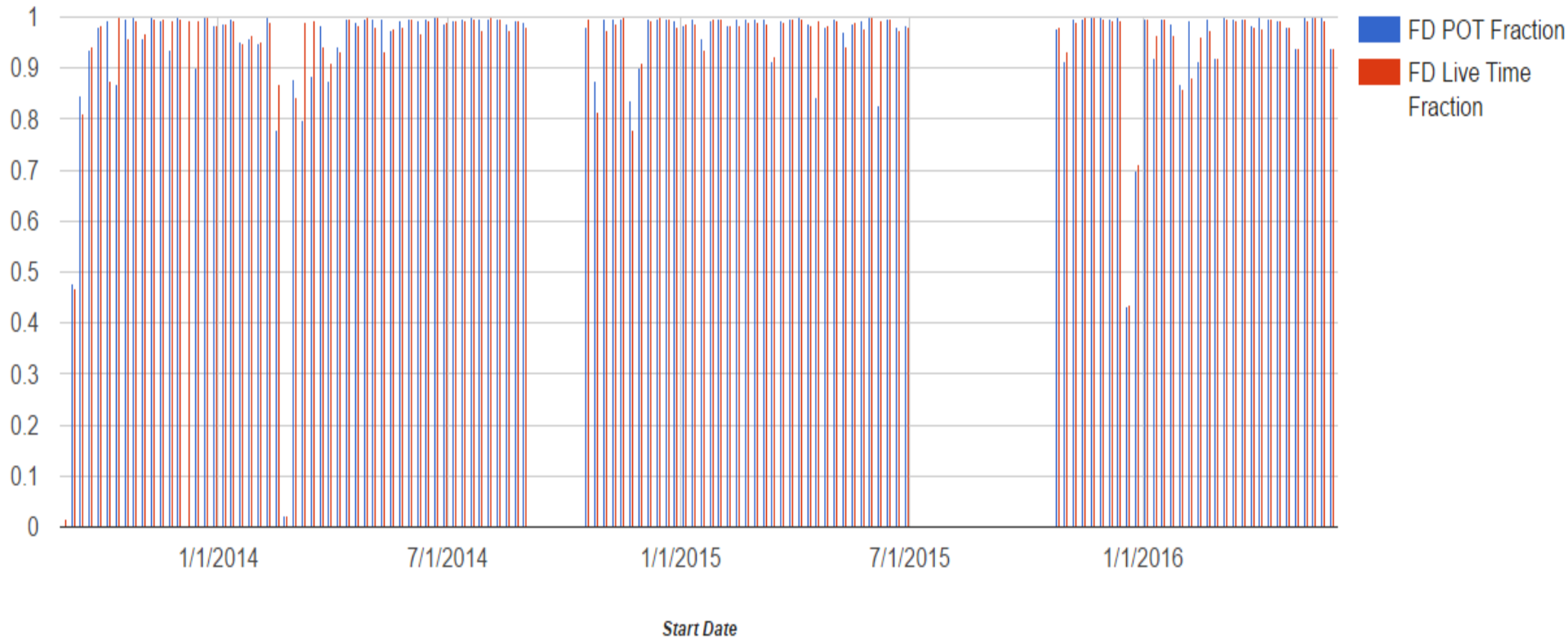
ND Status

ND POT fraction and Live Time Fraction



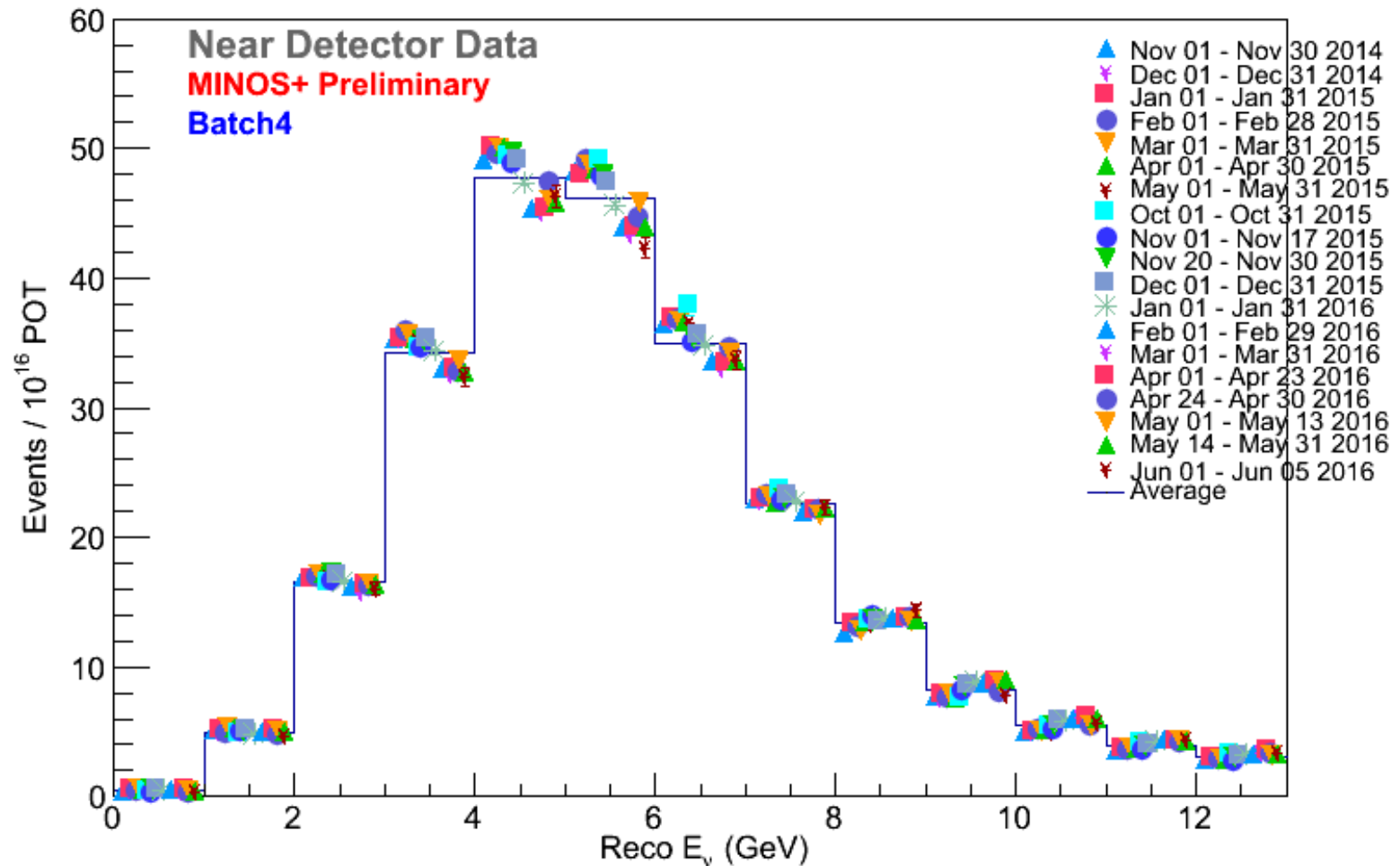
FD Status

FD POT Fraction and Live Time Fraction

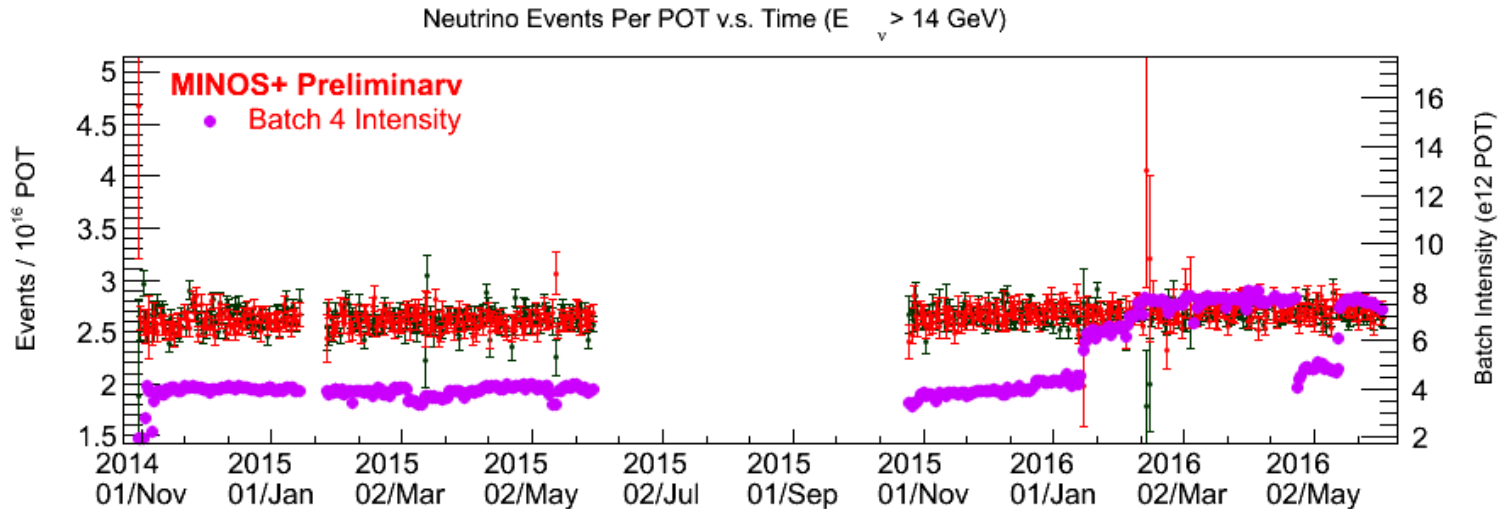
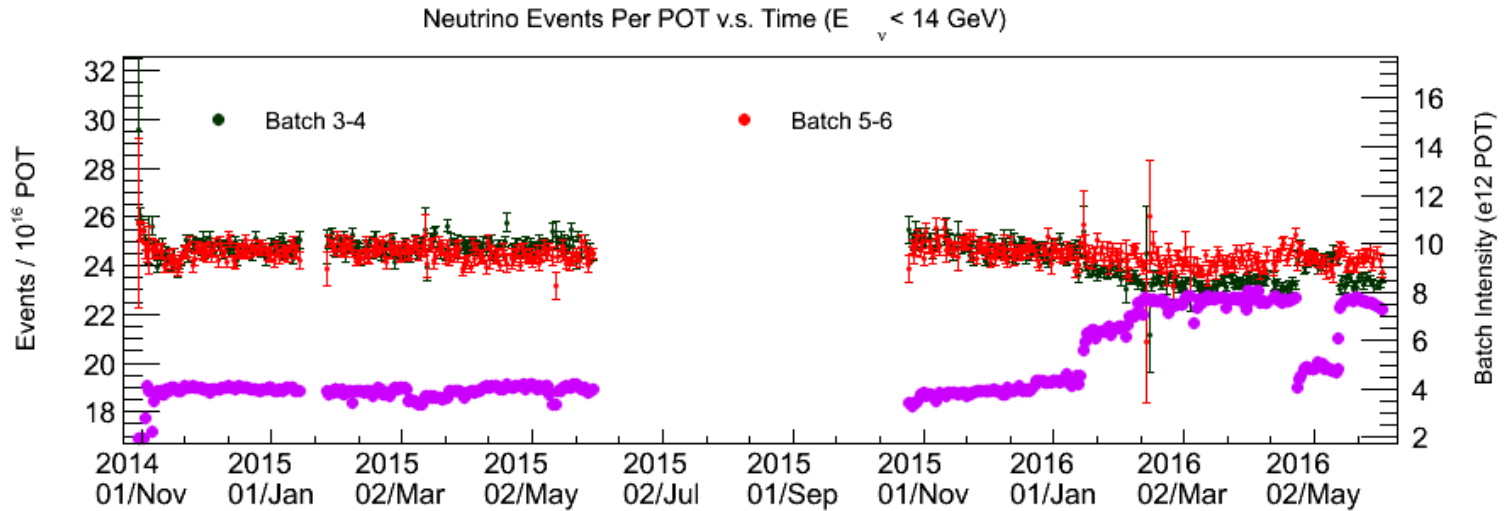


Spectrum Stability Batch 4

Neutrino Selected Batch Energy Spectrum Stability (PQ and NQ)

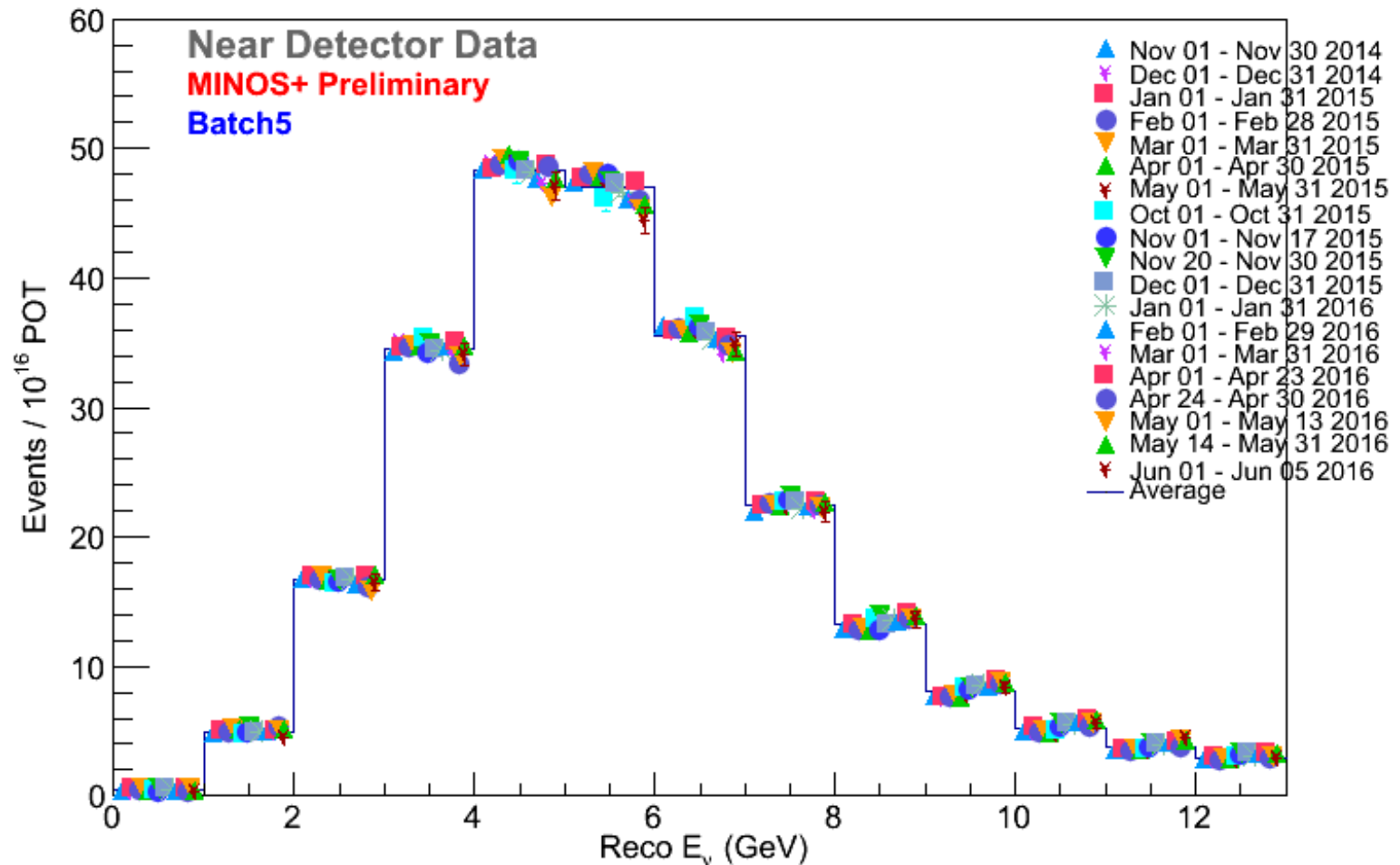


Events/POT vs Time



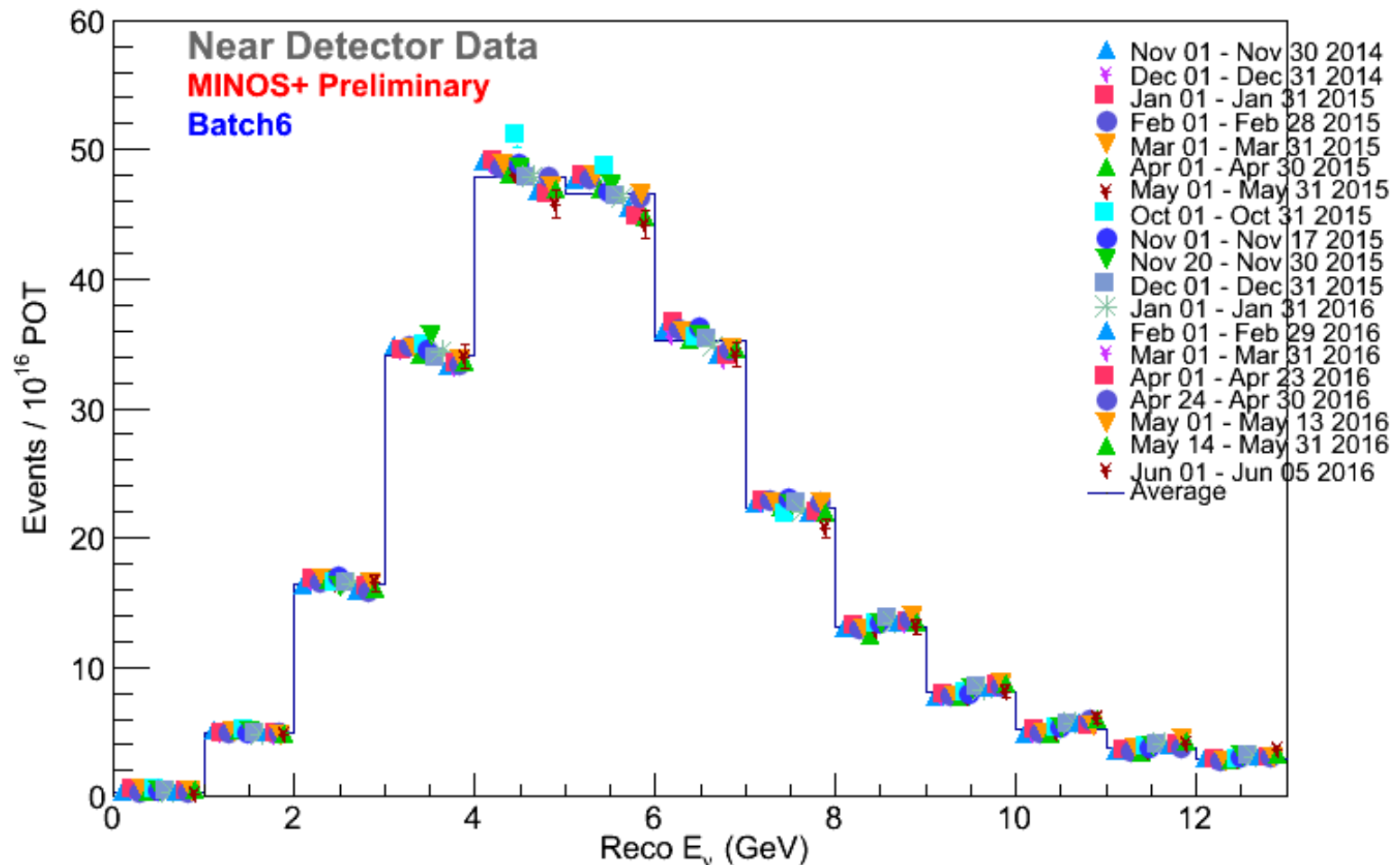
Spectrum Stability Batch 5

Neutrino Selected Batch Energy Spectrum Stability (PQ and NQ)



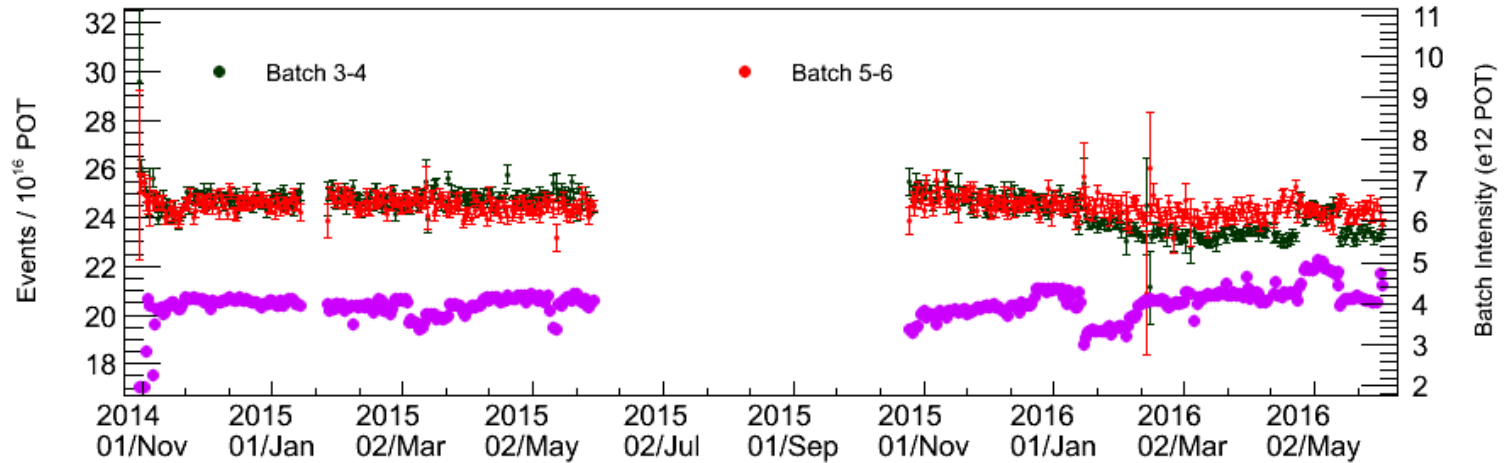
Spectrum Stability Batch 6

Neutrino Selected Batch Energy Spectrum Stability (PQ and NQ)

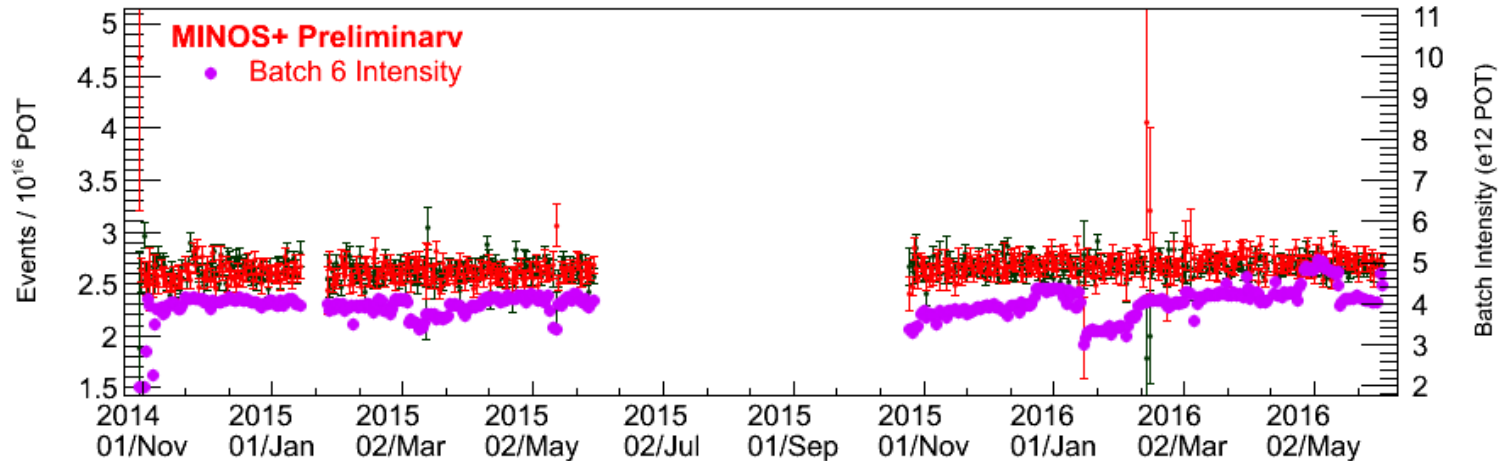


Events/POT vs Time

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



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



Spectrum by Batch!

- ▶ <http://minos.fnal.gov/DataQuality/BatchPage.php>
- ▶ Look, it's a link.
 - ▶ The same one from before, yet now with updated things...