



MINOS+ All Experimenters' Meeting Report

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2016-3-21

Detector Issues

- ▶ Very quiet week at the FD
 - ▶ CI Special ran in beam downtime
- ▶ ND Light Injection
 - ▶ Daq08 clock battery replaced – stabilized system clock
 - ▶ ND timing restored on daq08 machine – with new battery, LI is also functioning properly as adjustment threshold set back to 10ms
- ▶ ND maintenance
 - ▶ Had to turn off magnet and Wieners during chilled water shutoff
 - ▶ Hot channels replaced
 - ▶ Attempted to replace two master crate fan packs – ran into issues that require investigation
 - ▶ Current packs of interest can run with 3 fans

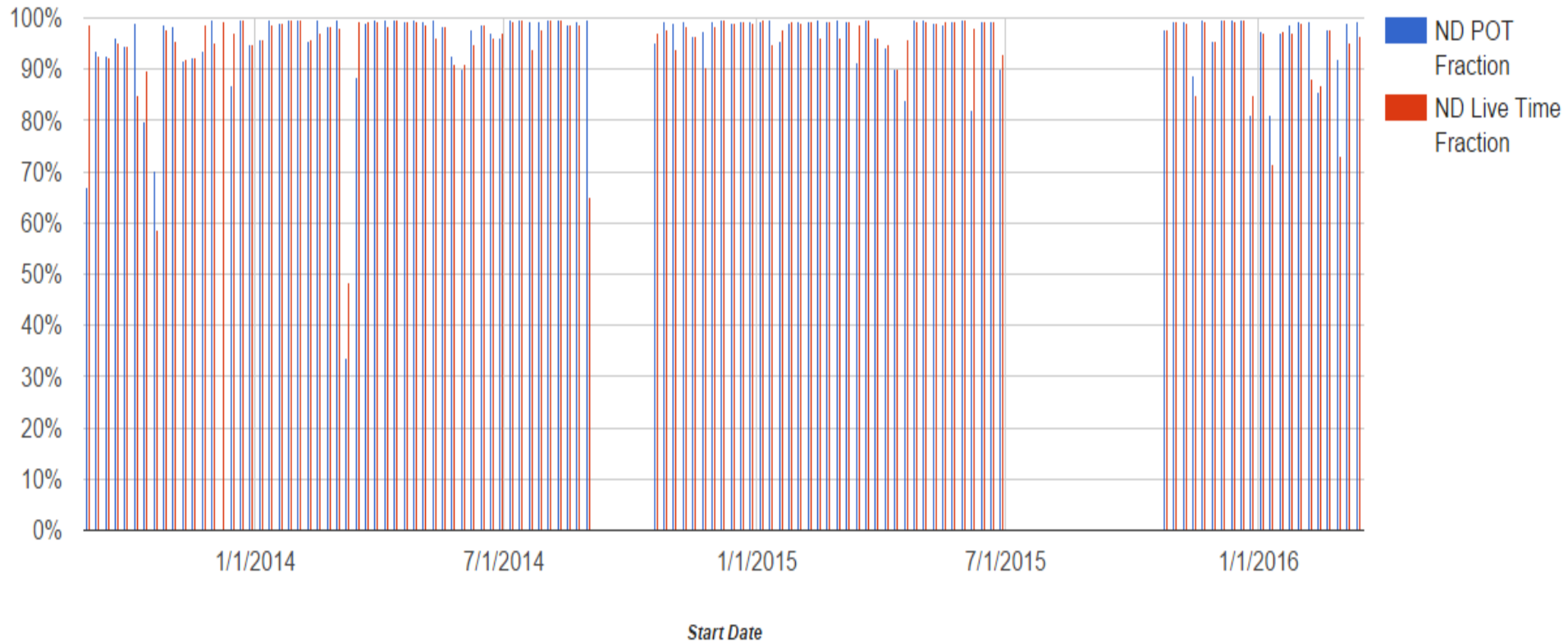


MINOS+ Status

Start Date/Time	End Date/Time	Near Detector		Far Detector	
		POT Fraction	Live Time Fraction	POT Fraction	Live Time Fraction
1/18/16 00:00:00	1/25/16 00:00:00	97.1%	97.3%	99.7%	99.8%
1/25/16 00:00:00	2/1/16 00:00:00	98.8%	97.2%	98.7%	96.5%
2/1/16 00:00:00	2/8/16 00:00:00	99.1%	98.8%	87.2%	86.0%
2/8/16 00:00:00	2/15/16 00:00:00	99.4%	88.2%	99.2%	88.3%
2/15/16 00:00:00	2/22/16 00:00:00	85.6%	86.8%	95.4%	96.1%
2/22/16 00:00:00	2/29/16 00:00:00	97.8%	97.8%	99.8%	97.5%
2/29/16 00:00:00	3/7/16 00:00:00	91.7%	73.2%	92.0%	92.0%
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%

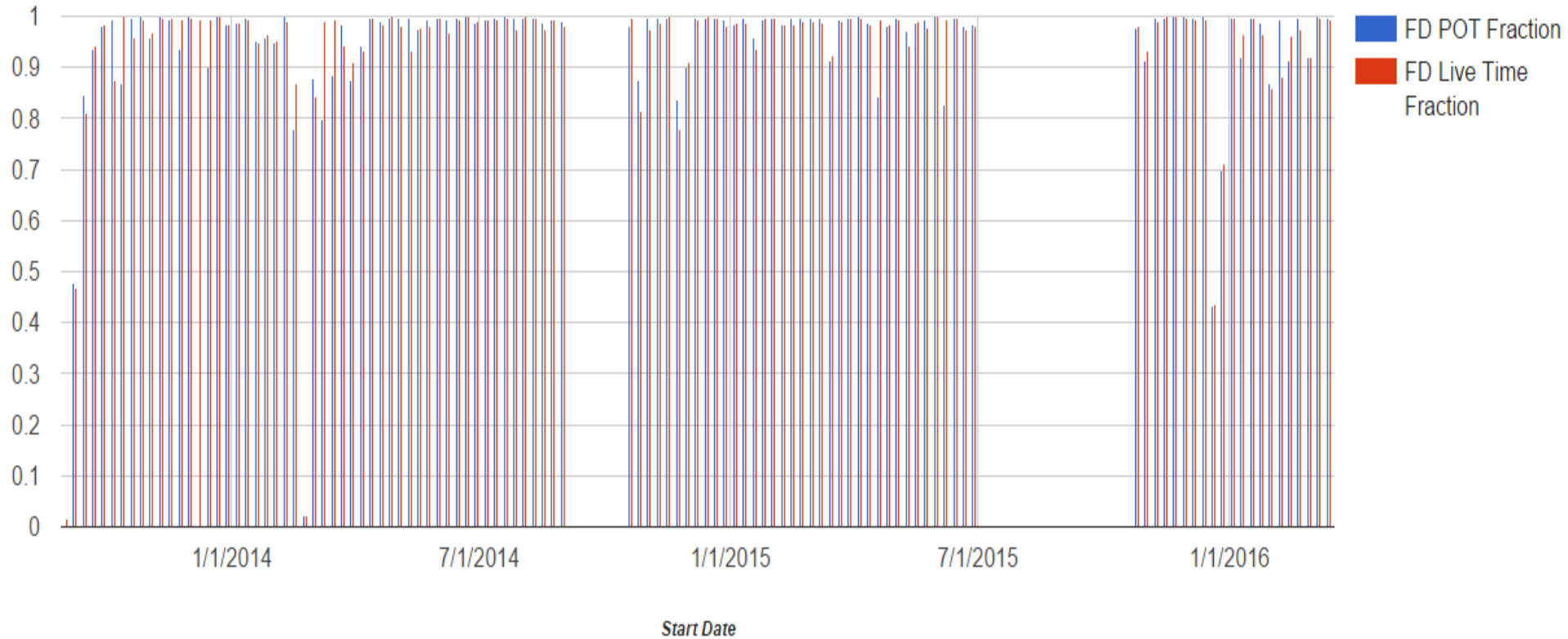
ND Status

ND POT fraction and Live Time Fraction



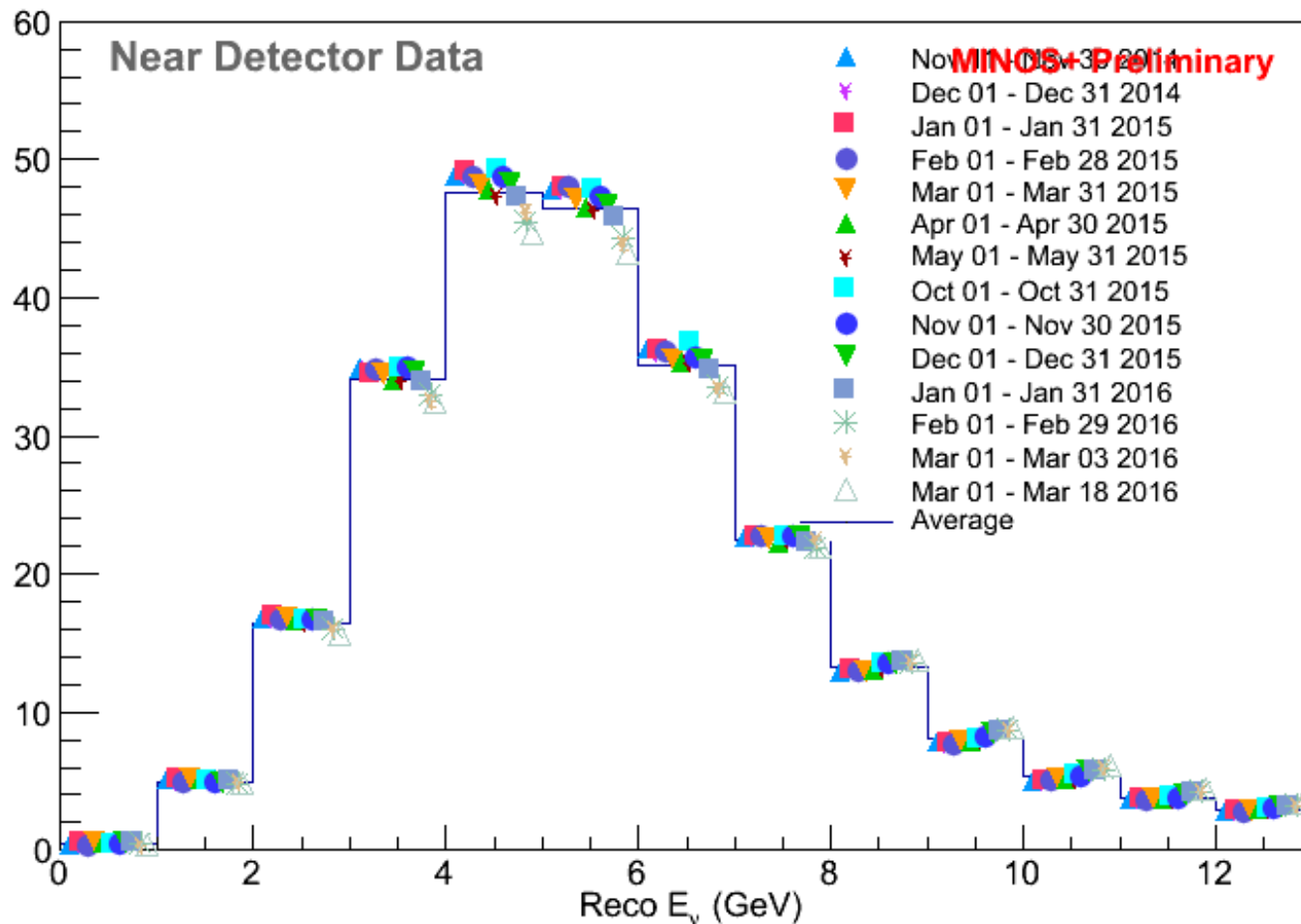
FD Status

FD POT Fraction and Live Time Fraction

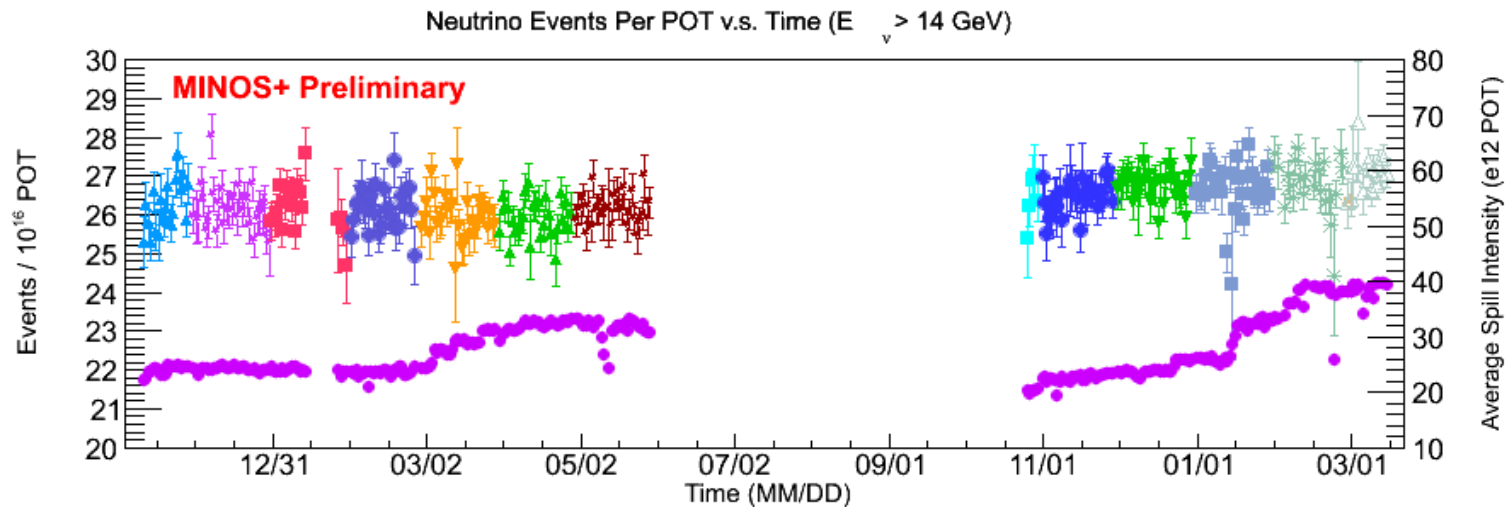
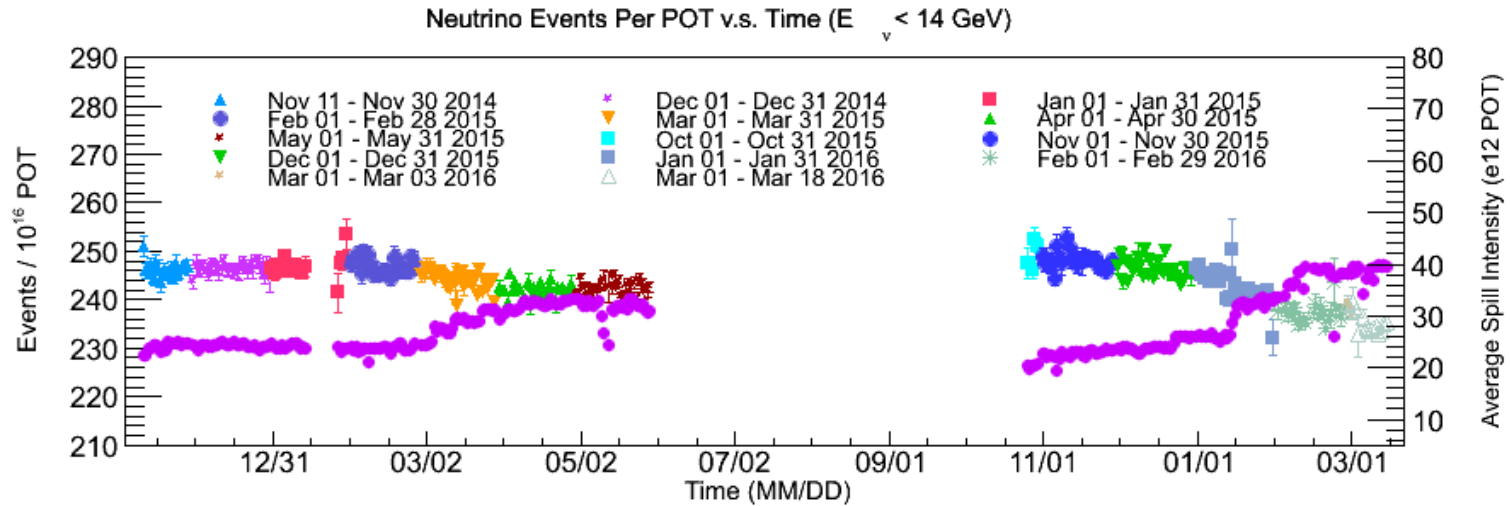


Spectrum!

Neutrino Energy Spectrum Stability (PQ and NQ)

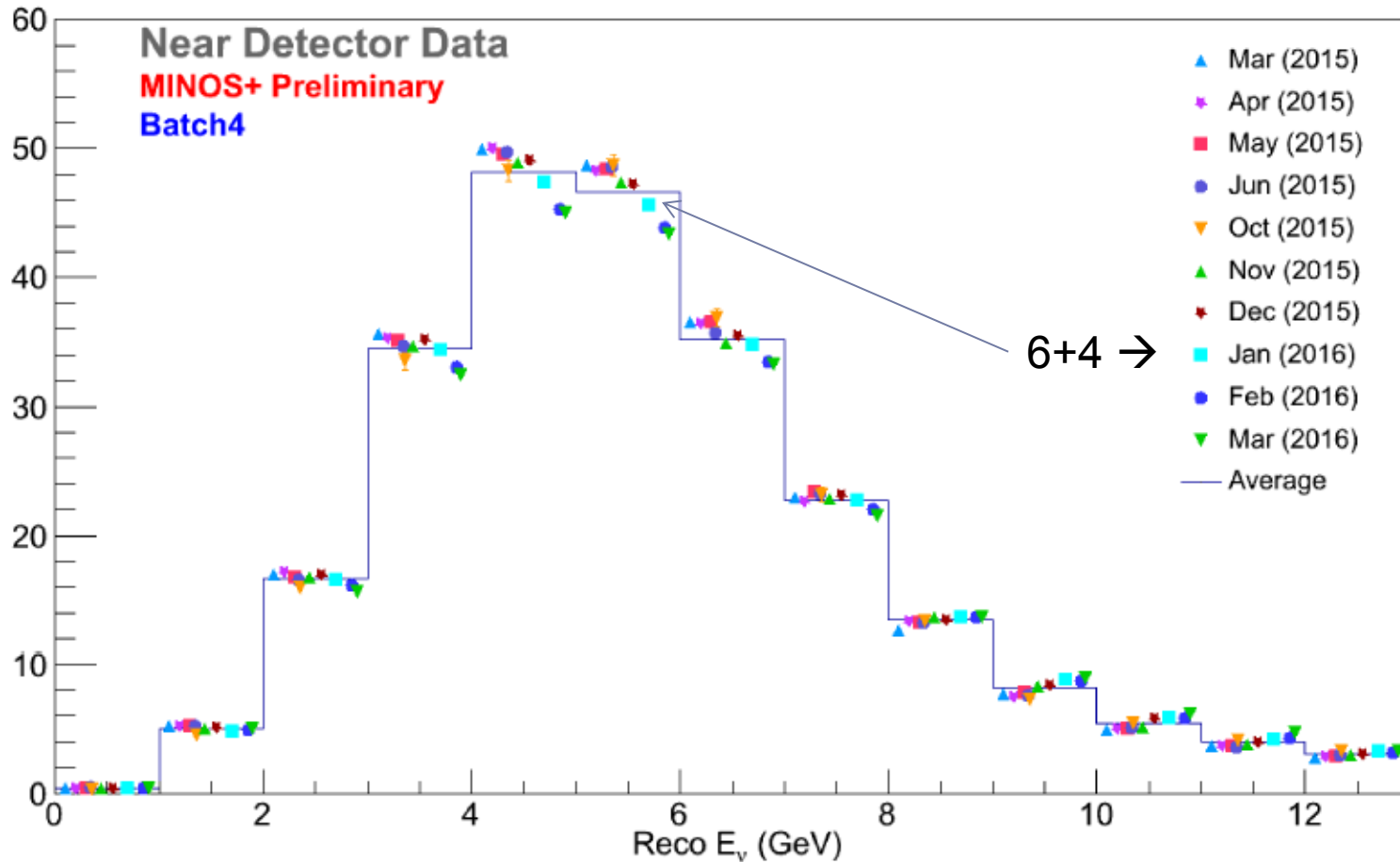


Events/POT + Intensity

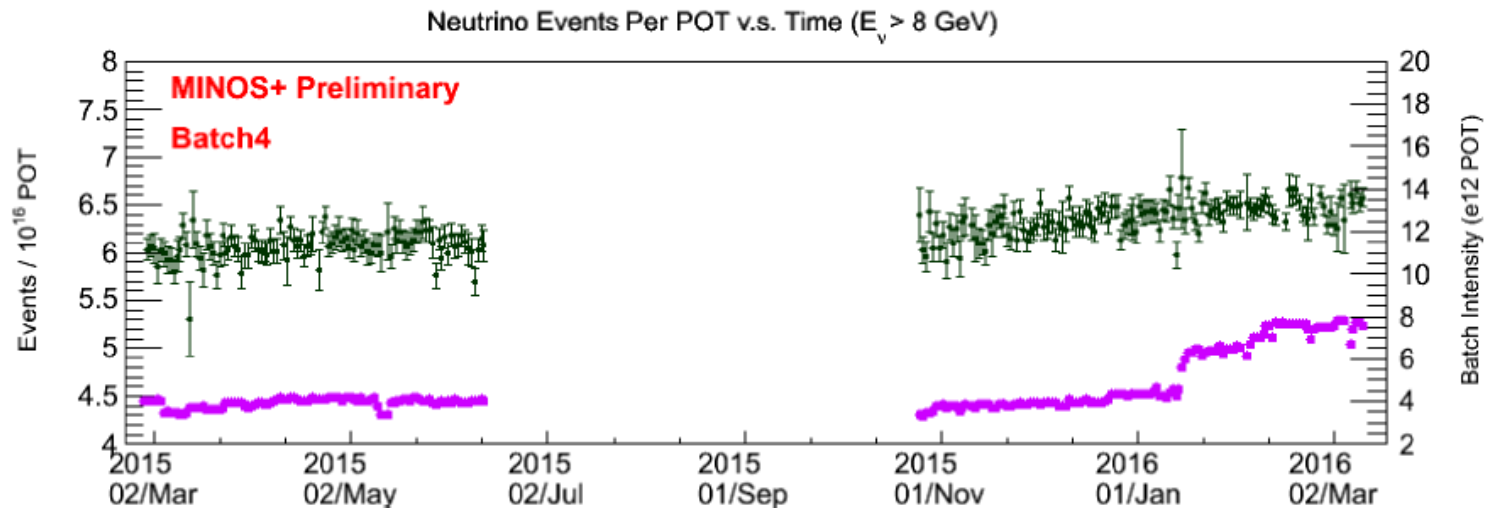
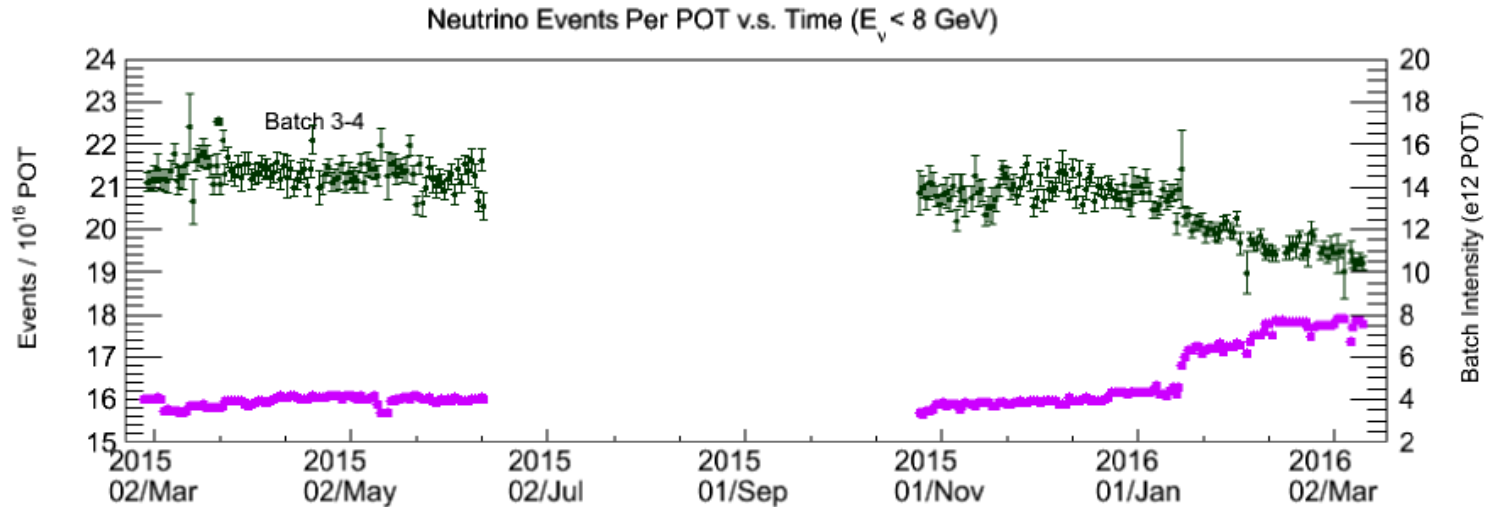


Spectrum! By Batch! (4)

Neutrino Energy Spectrum Stability

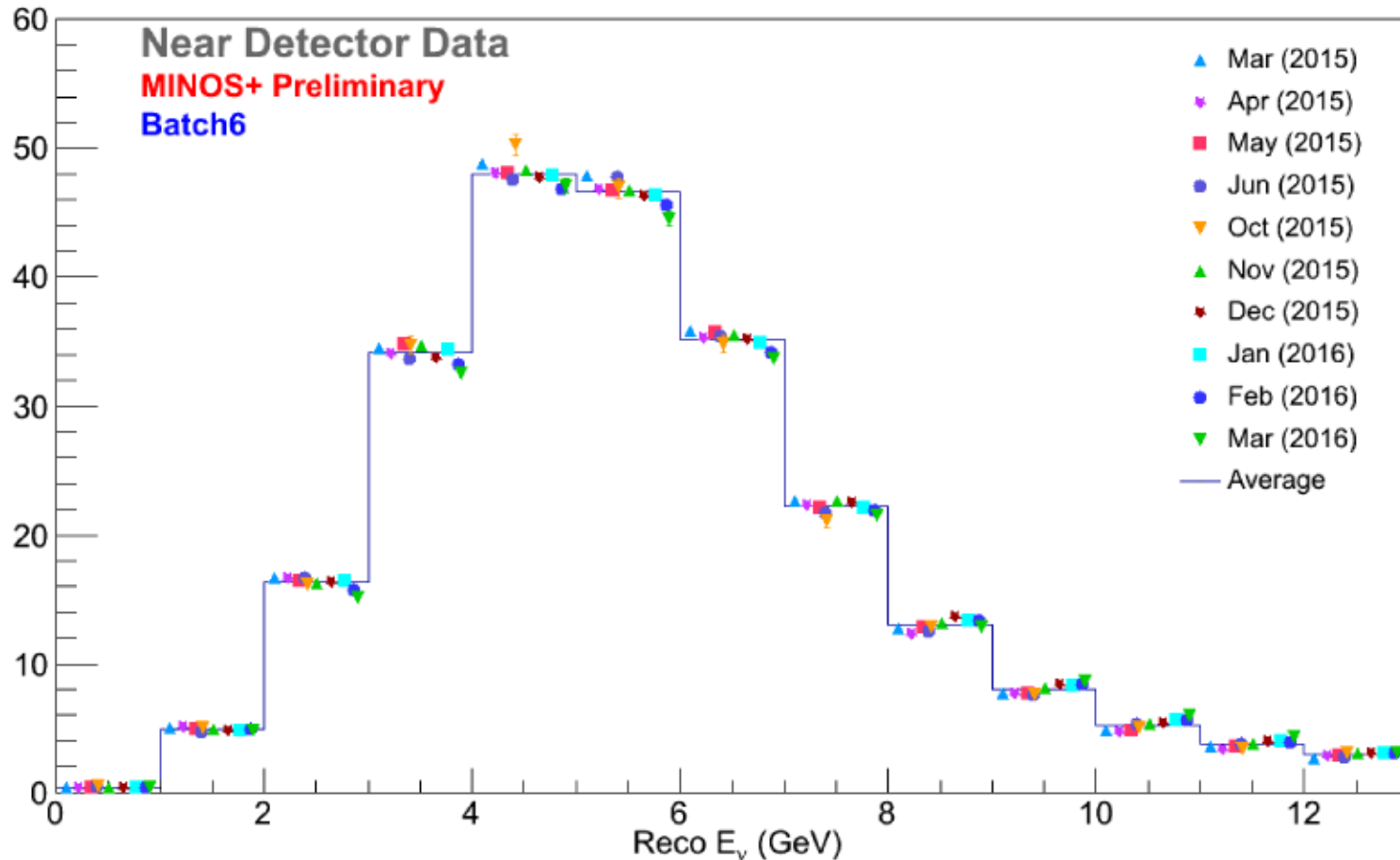


Event/POT vs. Time – Batch 4



Spectrum! By Batch! (6)

Neutrino Energy Spectrum Stability



Event/POT vs. Time – Batch 6

