



# MINOS+ All Experimenters' Meeting Report

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2016-4-11

# Detector Issues

- ▶ Quiet week at FD
  - ▶ Motherboard batteries on a couple machines swapped
- ▶ ND Light Injection
  - ▶ Since 2:36 PM local 4/10/2016, anomalous LI hits have led to bad data taking
  - ▶ Donatella is underground to see if reset fixes issue
    - ▶ More developments pending
- ▶ ND maintenance
  - ▶ HV issue addressed in MF 9
    - ▶ Cards would not turn on
    - ▶ Compress air clean-out and reassembly fixed issue



# MINOS+ Status

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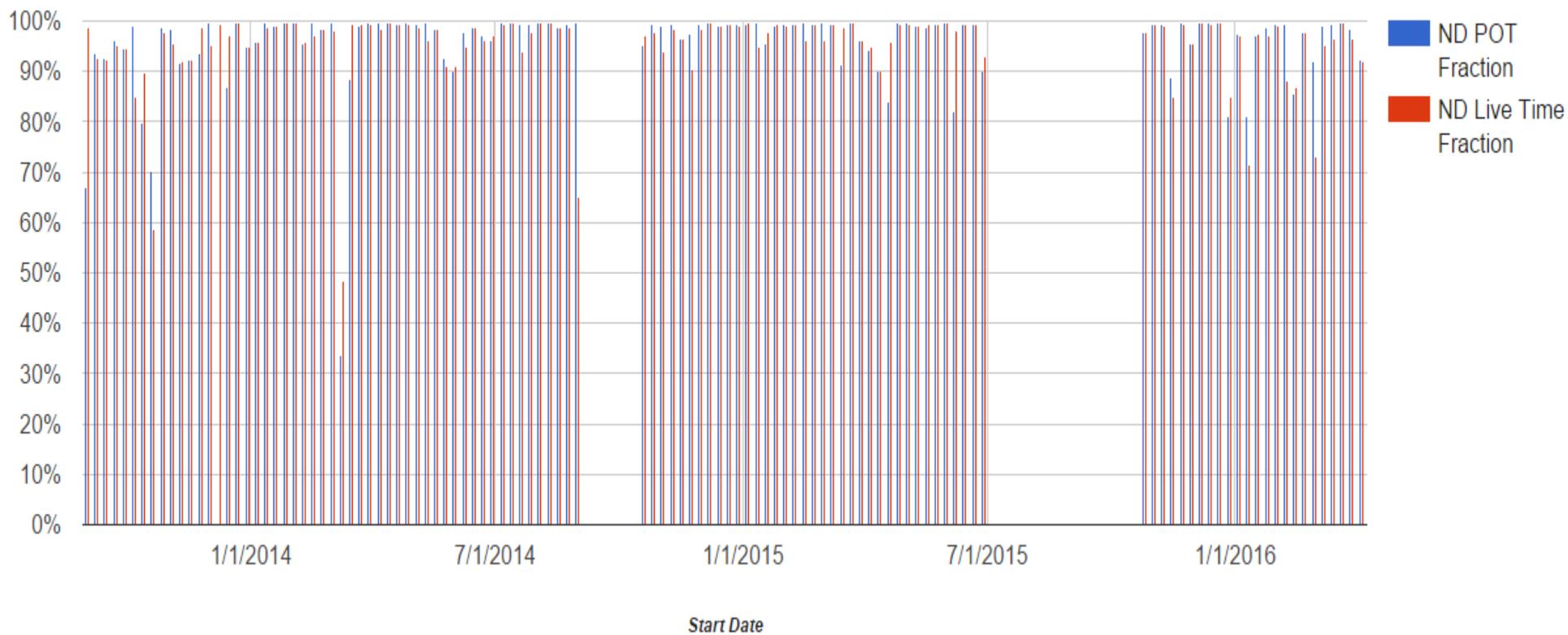
Start Date/Time	End Date/Time	Near Detector		Far Detector	
		POT Fraction	Live Time Fraction	POT Fraction	Live Time Fraction
2/8/16 00:00:00	2/15/16 00:00:00	99.4%	88.2%	99.2%	88.3%
2/15/16 00:00:00	2/22/16 00:00:00	85.6%	86.8%	95.4%	96.1%
2/22/16 00:00:00	2/29/16 00:00:00	97.8%	97.8%	99.8%	97.5%
2/29/16 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%
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	<b>92.4%</b>	<b>91.9%</b>	99.9%	97.9%

**Bold: LI Issue ND**

# ND Status

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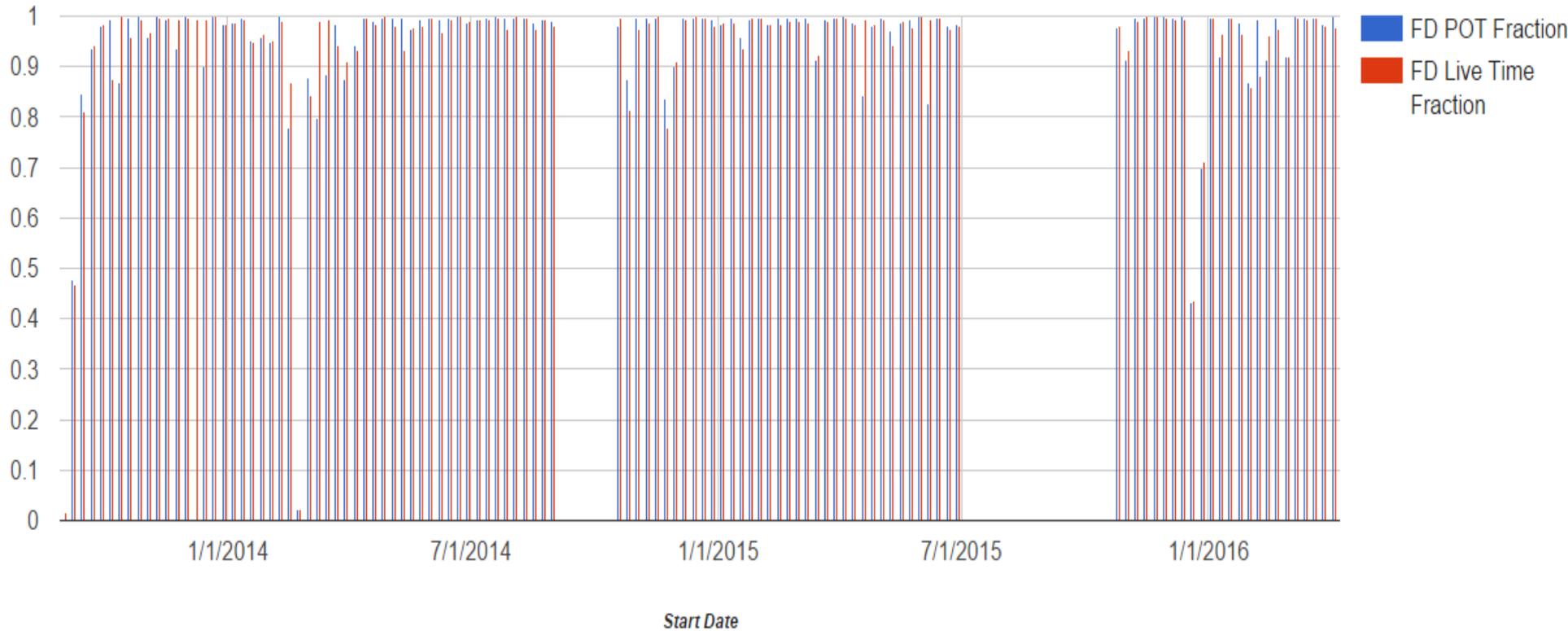
ND POT fraction and Live Time Fraction



# FD Status

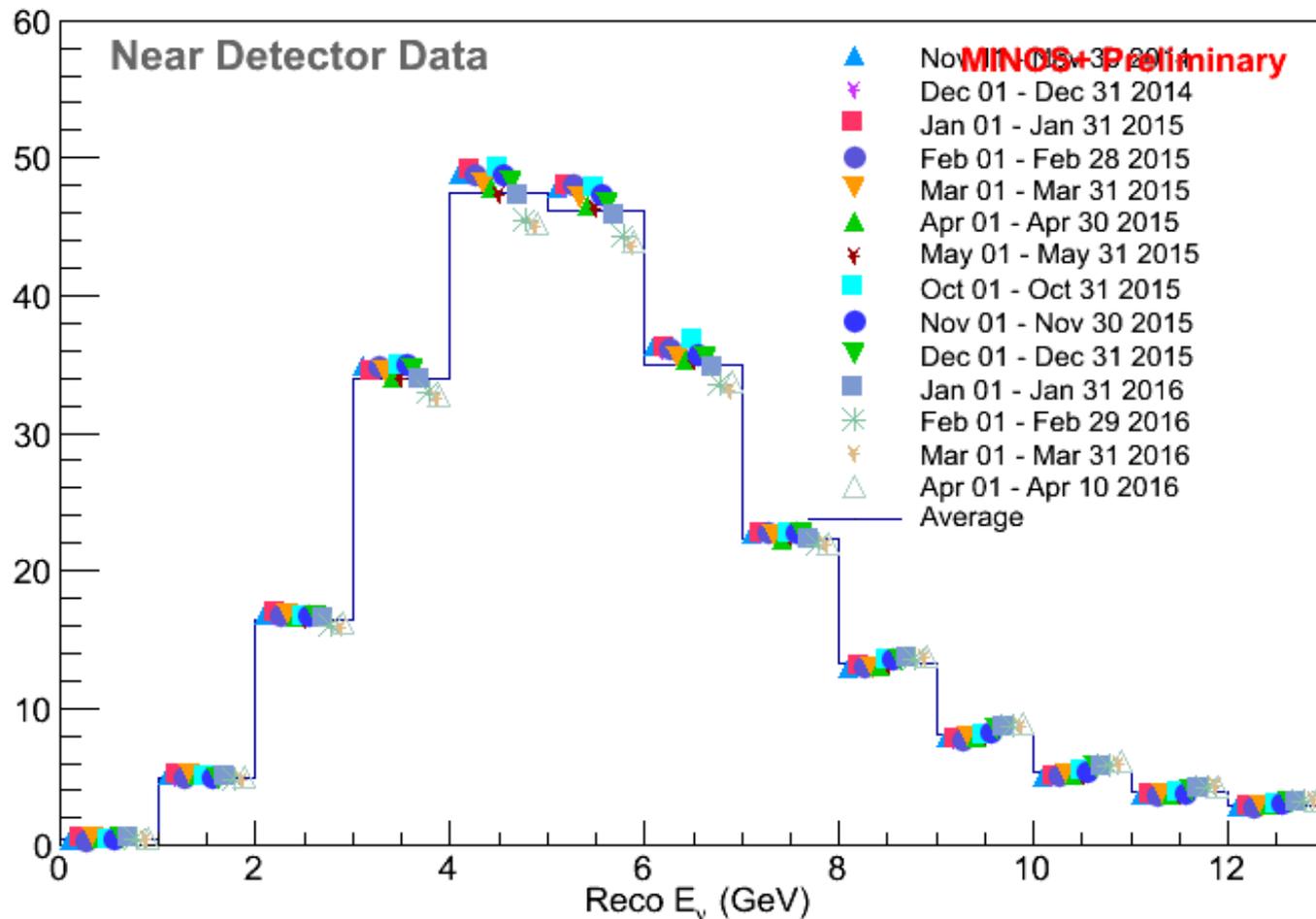
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FD POT Fraction and Live Time Fraction

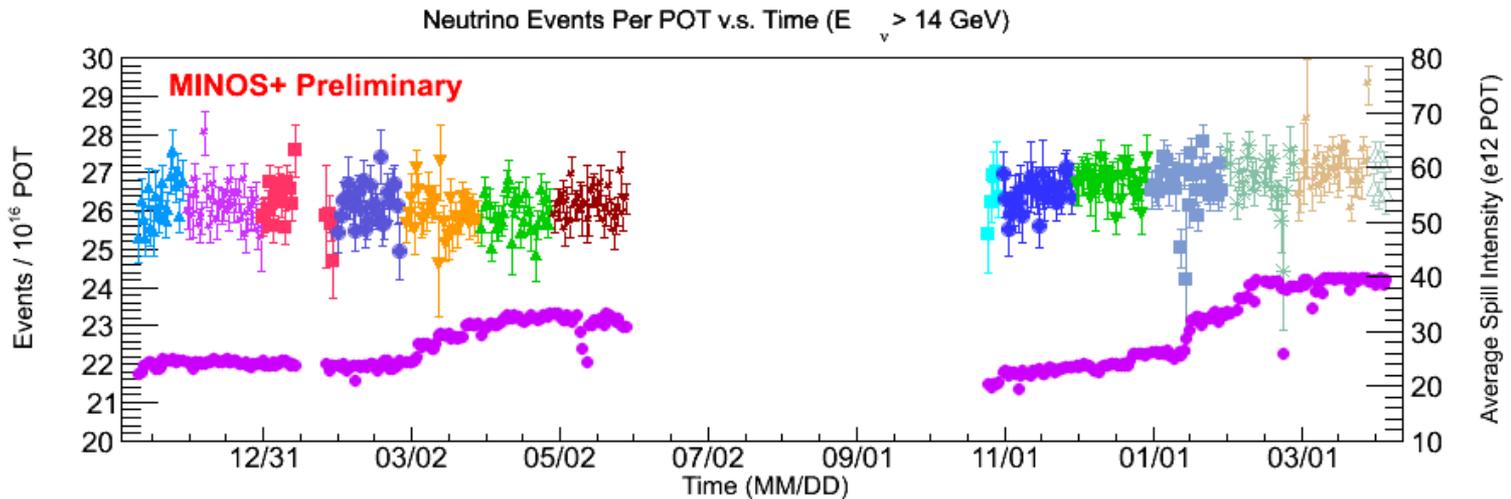
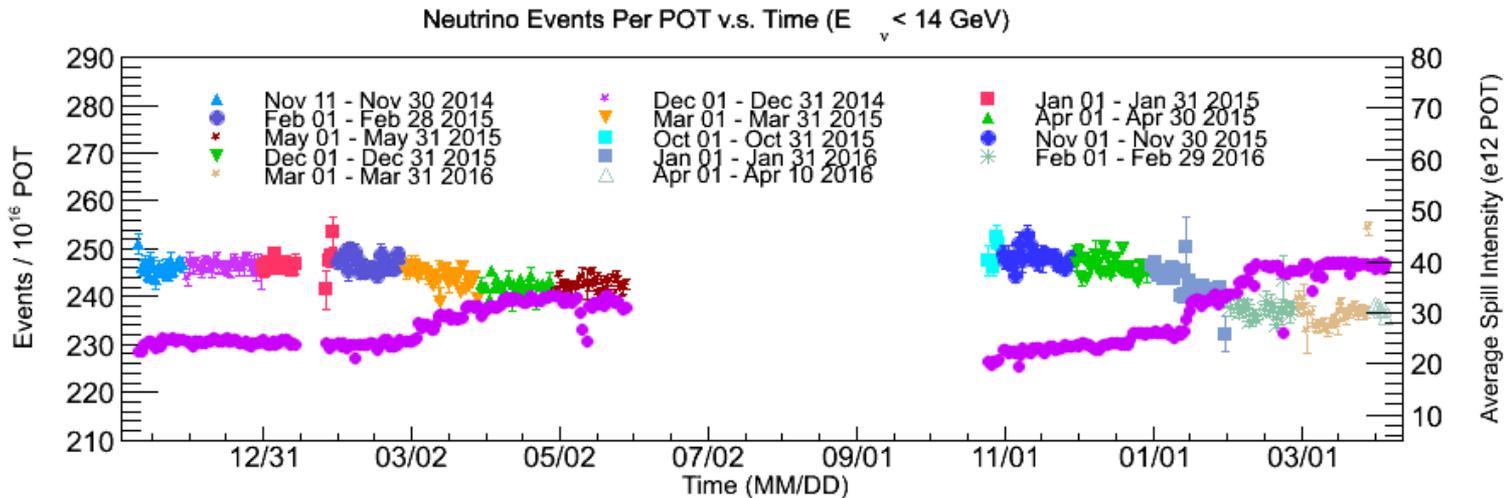


# Spectrum!

## Neutrino Energy Spectrum Stability (PQ and NQ)

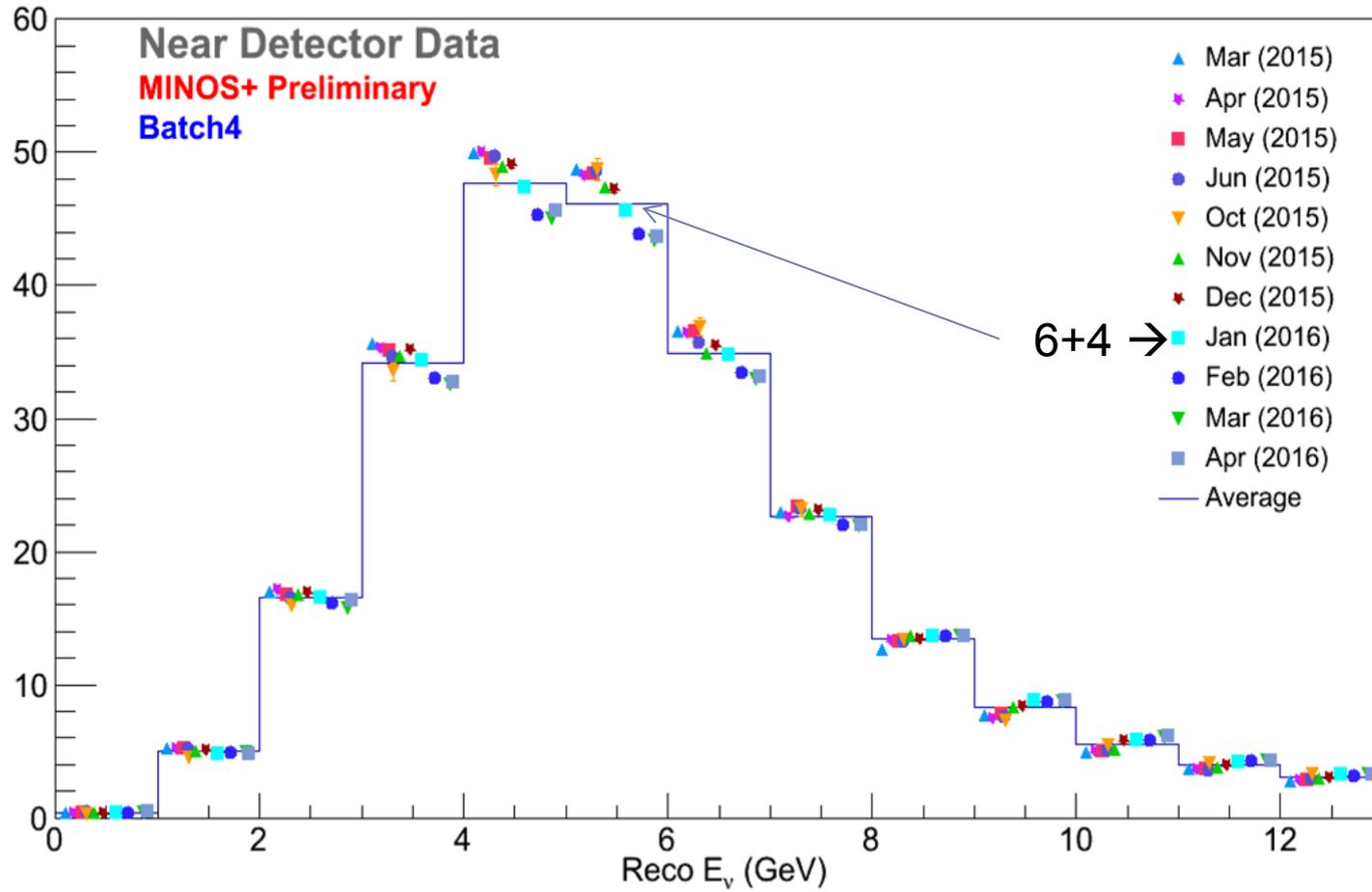


# Events/POT + Intensity

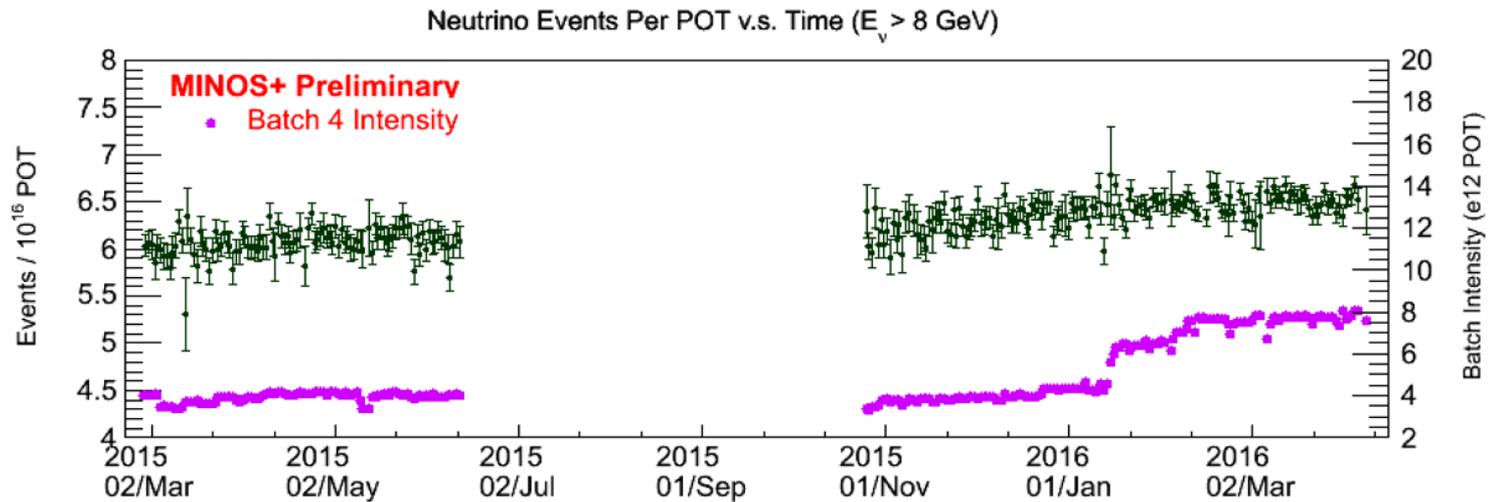
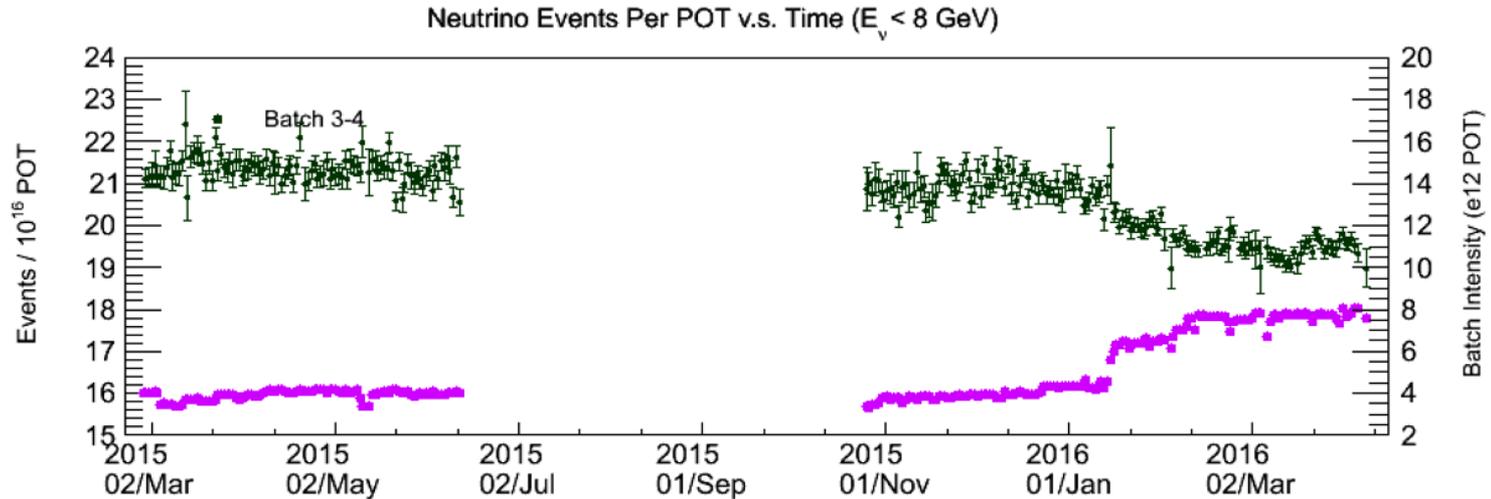


# Spectrum! By Batch! (4)

## Neutrino Energy Spectrum Stability

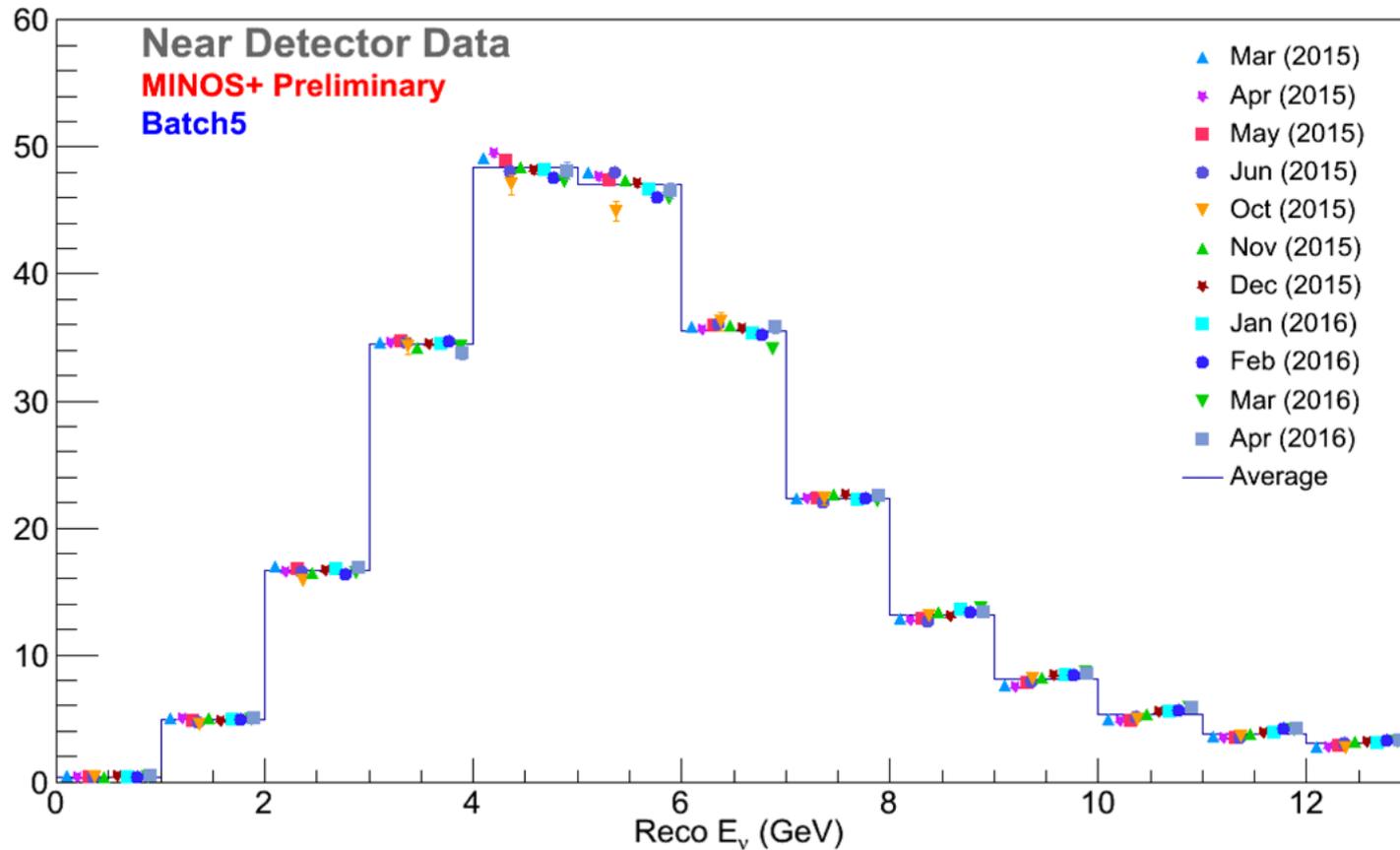


# Event/POT vs. Time – Batch 3+4 (4)

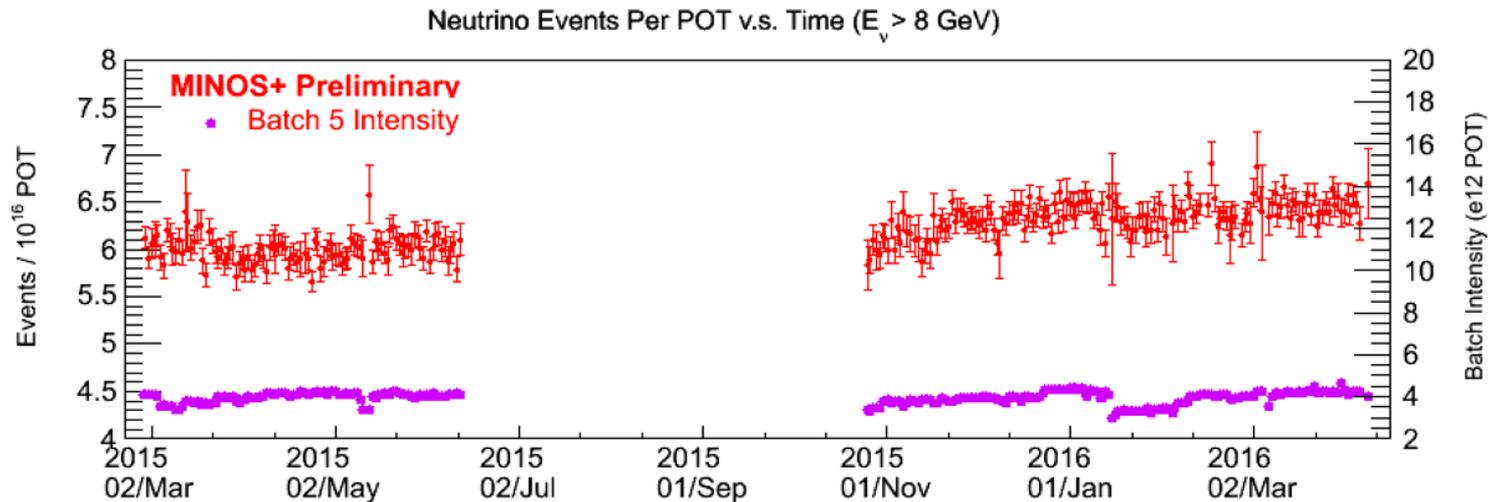
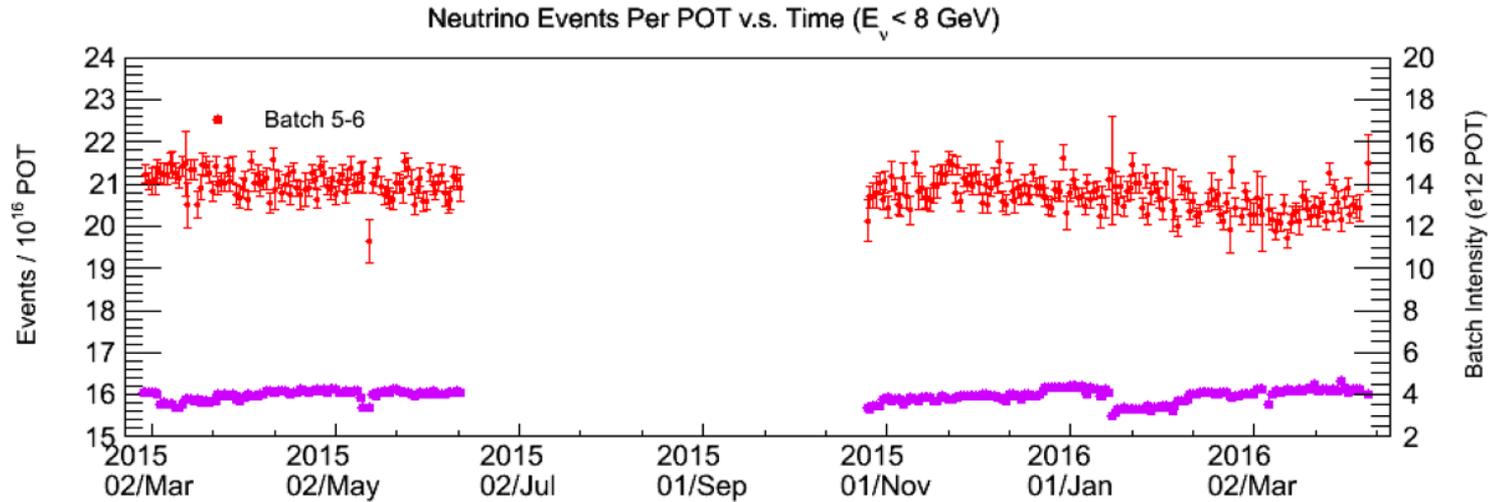


# Spectrum! By Batch! (5)

## Neutrino Energy Spectrum Stability

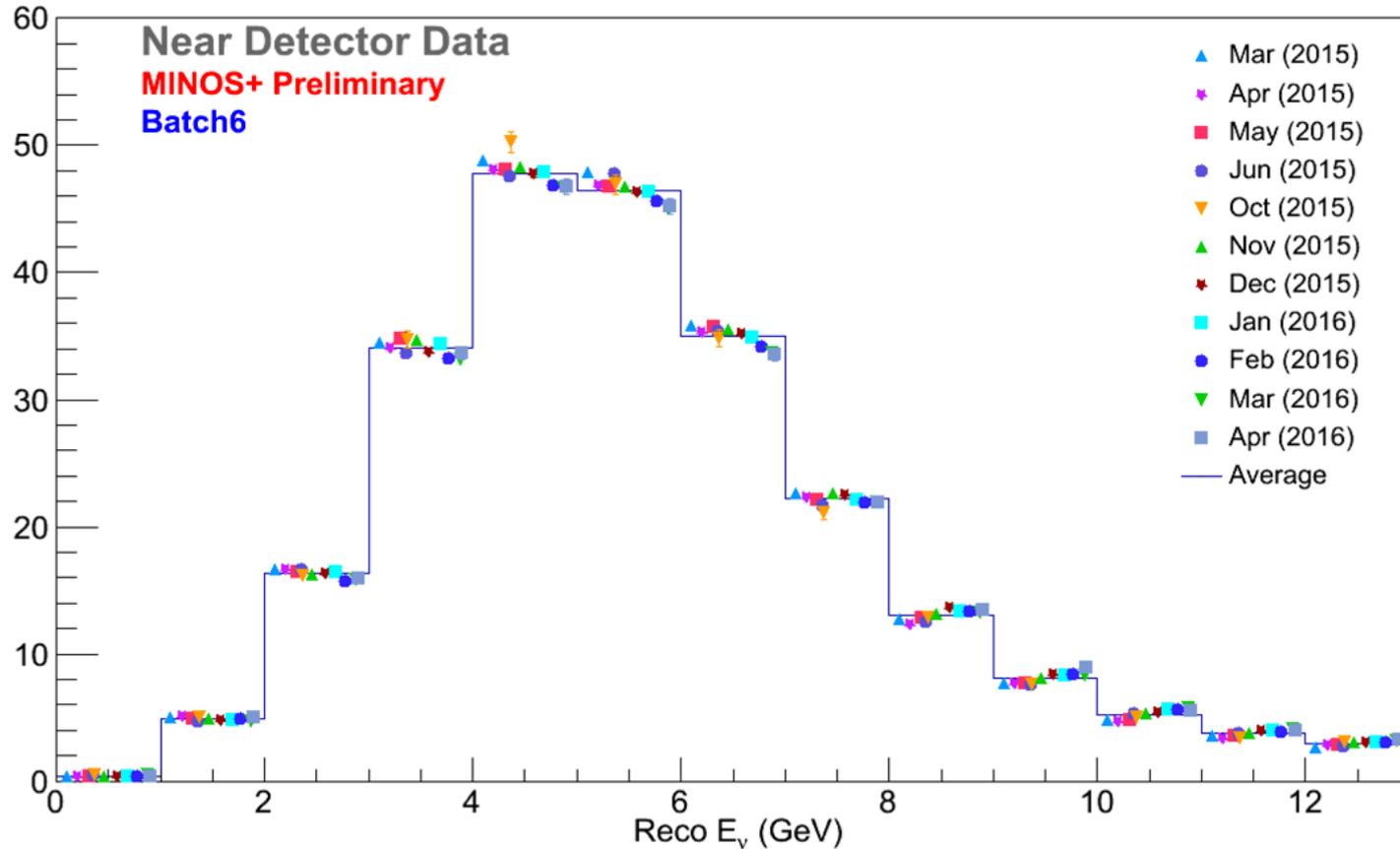


# Event/POT vs. Time – Batch 5+6 (5)



# Spectrum! By Batch! (6)

## Neutrino Energy Spectrum Stability



# Event/POT vs. Time – Batch 5+6 (6)

