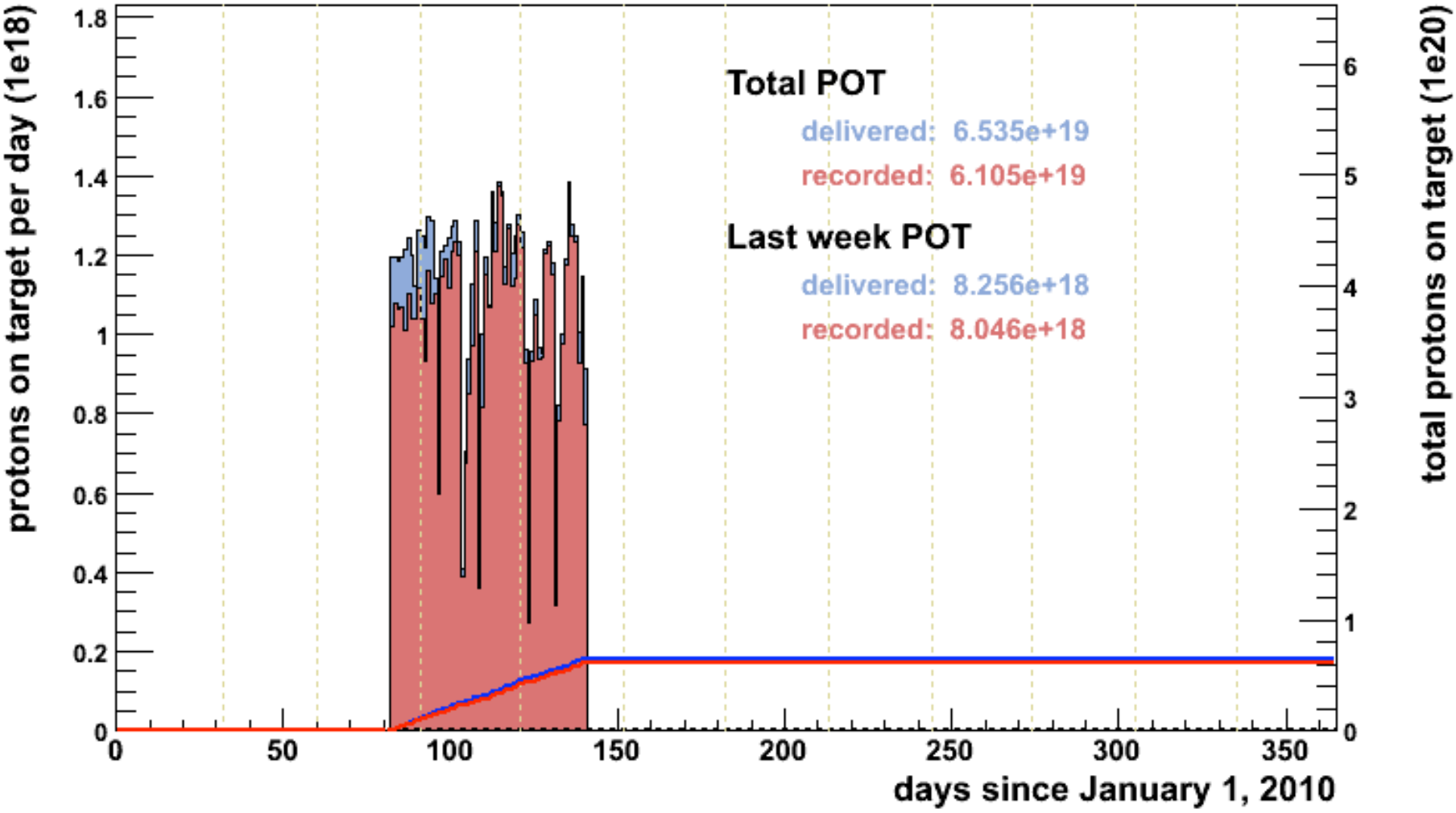
MINERνA Operations Report
Fermilab AEM

May 24, 2010

Dave Schmitz, Fermilab

MINERνA Low Energy Neutrino Run

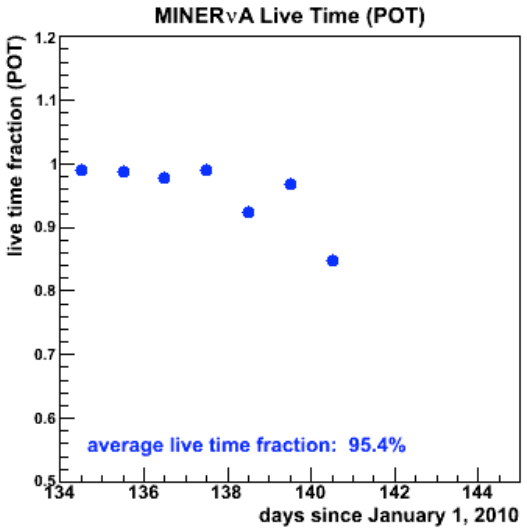
March, 2010 - Present



Now calculating live time directly against NuMI beamline data aquired from ACNET instead of through MINOS data stream

Efficiency for connecting to MINOS data is calculated separately

Still a few days behind in processing. Setting up better keep-up processing.



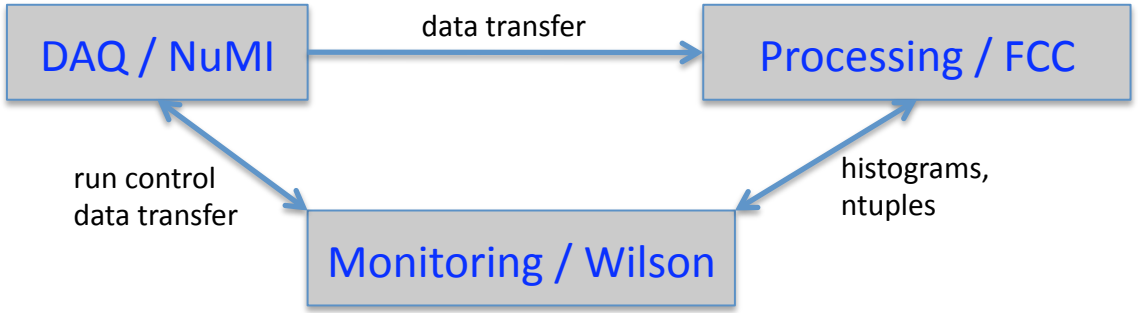
date	recorded POT	Live Time	comments
May 14	1.17756e+18	99.0%	
May 15	1.3689e+18	98.8%	
May 16	1.3689e+18	97.8%	
May 17	1.23307e+18	98.9%	
May 18	0.930508e+18	92.3%	
May 19	1.10944e+18	96.7%	
May 20	0.77353e+18	84.7%	PMT swap
	8.0e+18	**95.4%**	

Notes & Summary

- <u>Last Week</u>
  - Hooked in panels of MINERνA veto wall to DAQ for testing, but not in final positions
  - Veto wall is needed after cryogenic target installed in fall
  - Replaced 1 (of 491) PMTs on Thursday

Notes & Summary

- <u>This week:</u>
  - Normal running
  - Water target I spoke about last week has arrived, will be tested this week
  - Work to make sure we are prepared for Wilson Hall power outage scheduled for Saturday, June 5.
  - MINERνA has been developing facilities for remote operations (replace bottom box only), but none have yet been ded



- MINERνA detector has recorded **<u>0.6e20 POT</u>** worth of physics data between *March 22* and *May 20*