

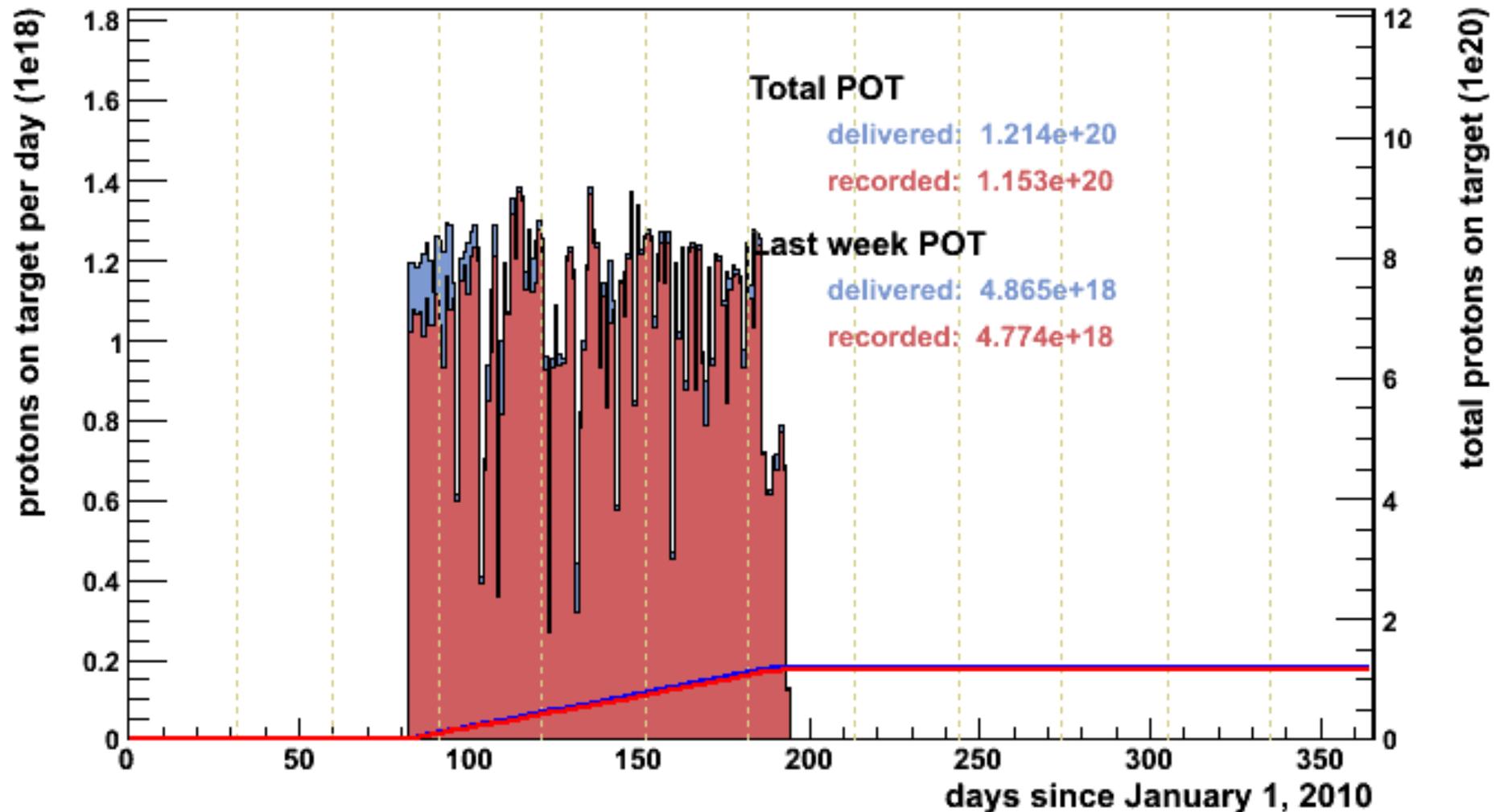
Full MINERvA Detector

# MINERvA Operations Report

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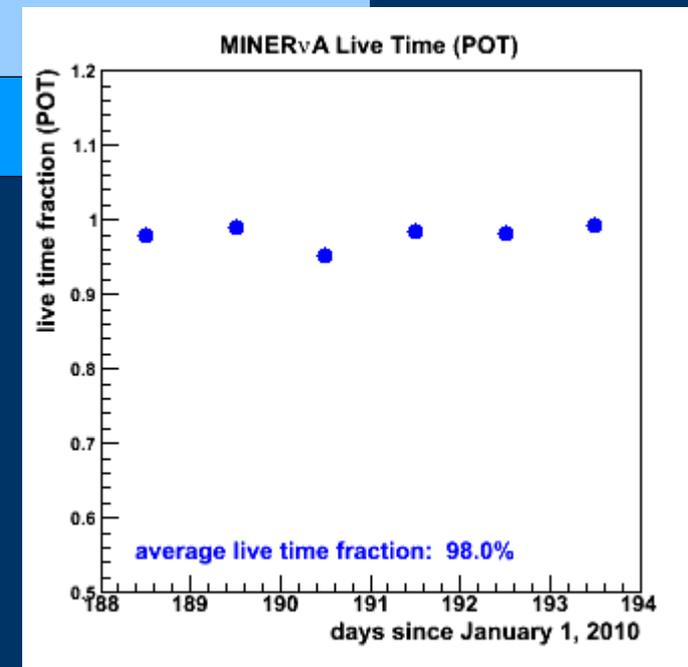
# MINERvA Low Energy Run March 2010 - Present



Date	Recorded	Live Time	Comments
July 7	6.14e+17	98.0%	
July 8	7.04e+17	99.0%	
July 9	6.79e+17	95.2%	Minor DAQ problems.
July 10	7.73e+17	98.3%	
July 11	6.76e+17	98.4%	
July 12	1.27e+17	99.2%	
	<b>5.95e+17</b>	<b>98.0%</b>	

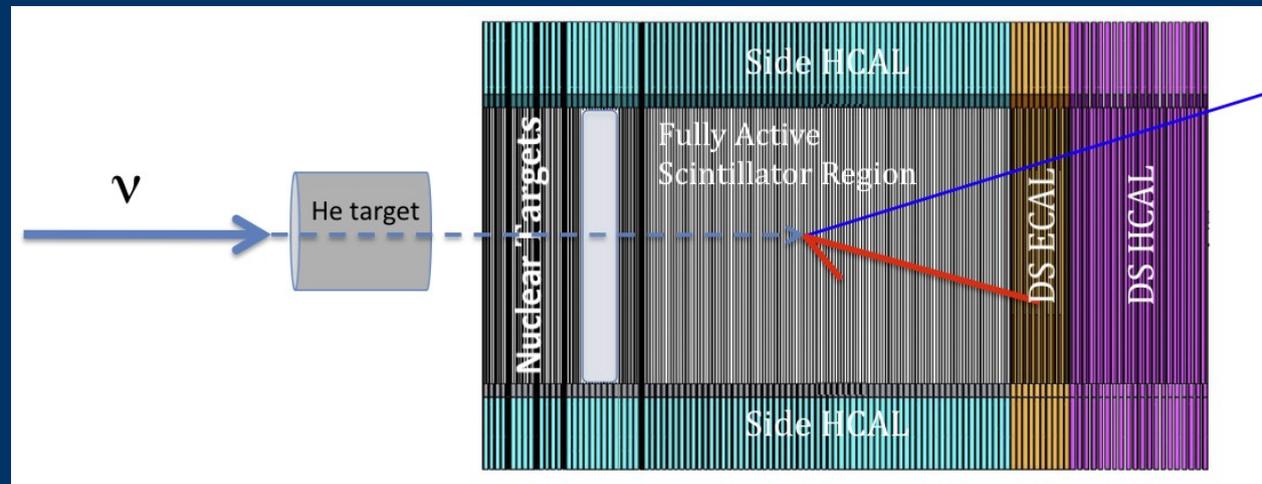
## Total POT

Delivered: **1.214e+20**  
Recorded: **1.153e+20**  
Live Time: **95.0%**



# Shutdown Work

- Completion of the instrumentation of the first two detector modules and the OD scintillators in the nuclear target modules.



- Replacement of some PMT's with high cross-talk levels.
- Installation of the water target.
- Upgrades on DAQ and monitoring software.

