

# The MINERvA Operations Report

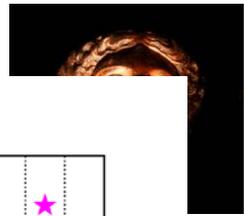
## All Experimenters Meeting

Howard Budd, University of Rochester  
Jan 24, 2011



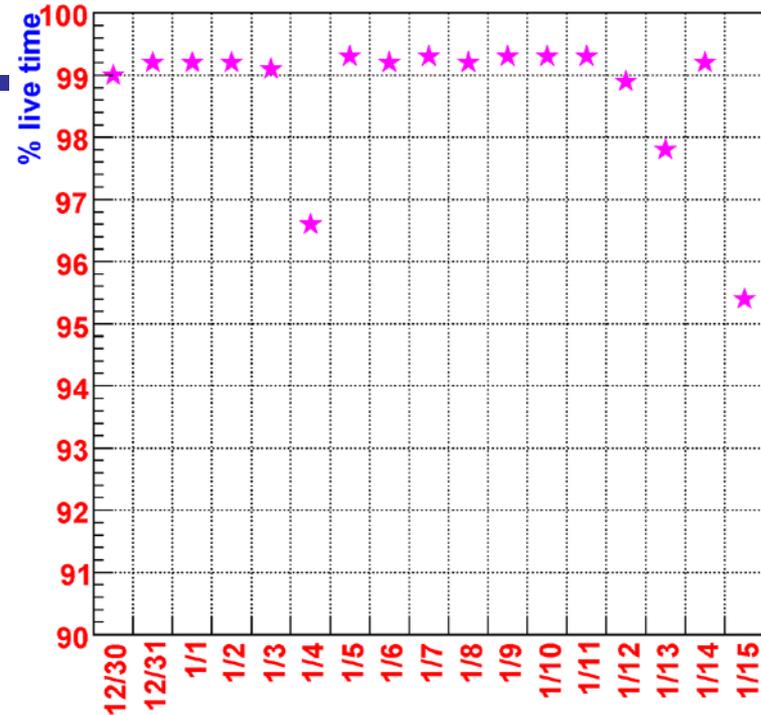


# Anti-v Data



% live time Dec 30 to Jan 15

Date	POT Recorded	POT Delivered	Live Time
30-Dec	1.22E+018	1.24E+018	99.0%
31-Dec	1.34E+018	1.35E+018	99.2%
1-Jan	1.33E+018	1.34E+018	99.2%
2-Jan	1.28E+018	1.29E+018	99.2%
3-Jan	5.95E+017	6.00E+017	99.1%
4-Jan	1.08E+018	1.12E+018	96.6%
5-Jan	1.05E+018	1.05E+018	99.3%
6-Jan	1.17E+018	1.18E+018	99.2%
7-Jan	1.24E+018	1.25E+018	99.3%
8-Jan	1.24E+018	1.25E+018	99.2%
9-Jan	1.13E+018	1.14E+018	99.3%
10-Jan	1.24E+018	1.25E+018	99.3%
11-Jan	1.27E+018	1.27E+018	99.3%
12-Jan	1.22E+018	1.23E+018	98.9%
13-Jan	1.20E+018	1.23E+018	97.8%
14-Jan	5.47E+017	5.52E+017	99.2%
15-Jan	1.01E+018	1.06E+018	95.4%
<b>Total</b>	<b>1.95E+019</b>	<b>1.98E+019</b>	<b>97.9%</b>



- $9.29 \times 10^{19}$  POT delivered from Nov 1 to Jan 23,
- 97.9% live from Nov 1 to Jan 15
- 97.9% live from Dec 30 to Jan 15



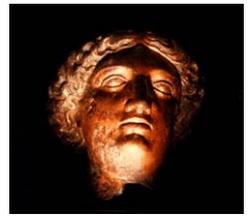
# Anti- $\nu$ Data



- Jan 15 inefficiency shown may have been problem in processing data
- We are not reporting anything after Jan 15
  - For the switch to SL5 on the grid, not all our options were set properly and many of our runs were not processed on the grid. This problem has been fixed.
- On Jan 20, we were down for about 1 hour
  - Rebooting the neutrino computers affect the DAQ computer, when it should not have. This problem is now fixed.



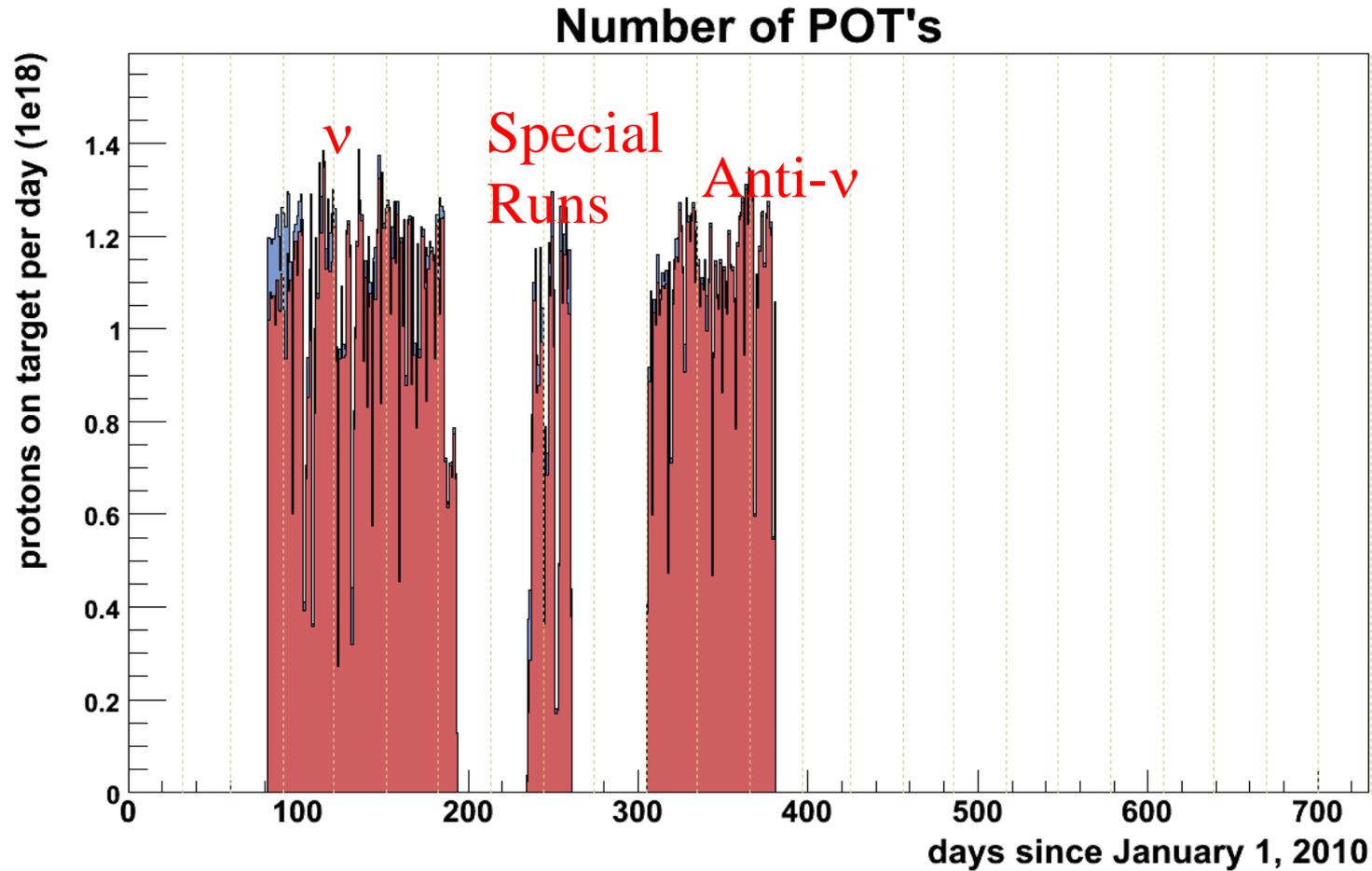
# He Target

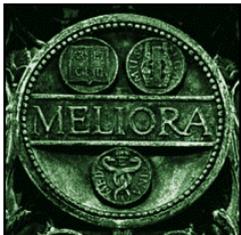


- He target in Lab E
- Testing in January
- Feb 1 install in cavern
- Feb 8 begin cool down
- 1-2 week cool down and fill with He

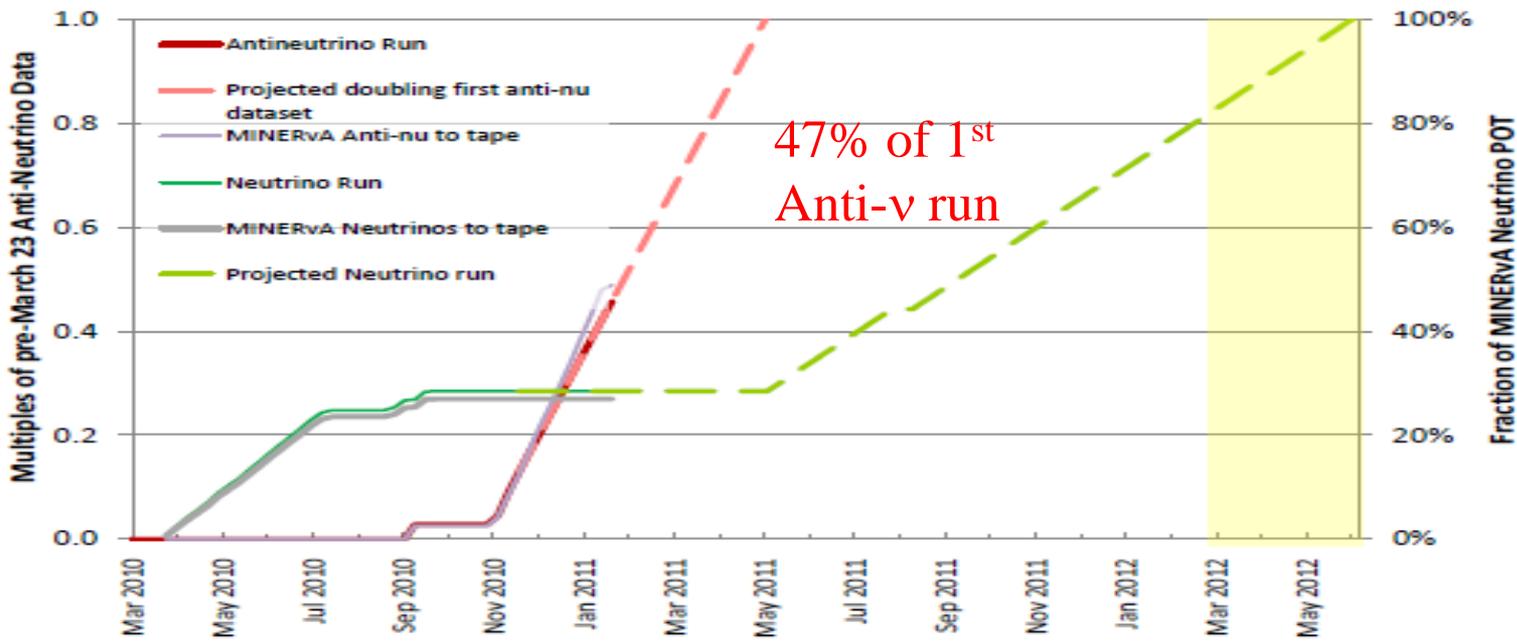


# MINER<sub>v</sub>A POT/Day March 2010 - Present





# Accumulated POT to Jan 15



- Anti-ν run, full scale corresponds to  $1.76 \times 10^{20}$  POT
  - # POT for collected for anti-ν before Mar 23 10, official start of MINERvA ν run
- Minerva run , full scale corresponds to  $4.9 \times 10^{20}$  POT
  - # for which MINERvA project & experiment were reviewed & the detector built.
- Projected assumes  $0.92 \times 10^{18}$  POT/day plus 2 week shutdown to change target
  - # POTs – average over the uptime during the past 1.5 years
  - Actual run plan not yet determined, this is one possible scenario