

The MINERvA Operations Report

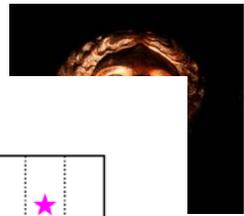
All Experimenters Meeting

Howard Budd, University of Rochester
Jan 24, 2011



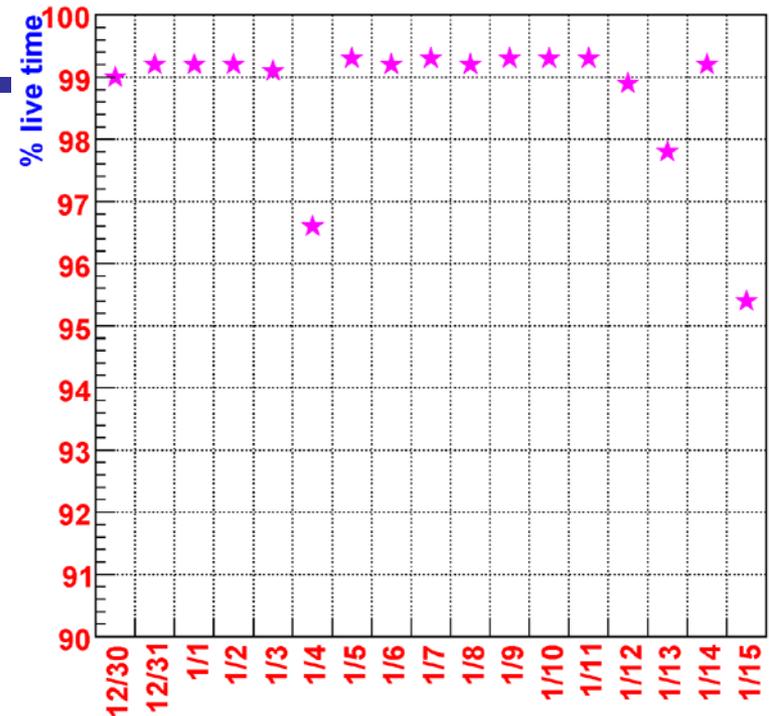


Anti-v Data



% 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%
Total	1.95E+019	1.98E+019	97.9%



- 9.29×10^{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- ν Data



- Jan 15 inefficiency shown may have been problem in processing data
- 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.
- 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



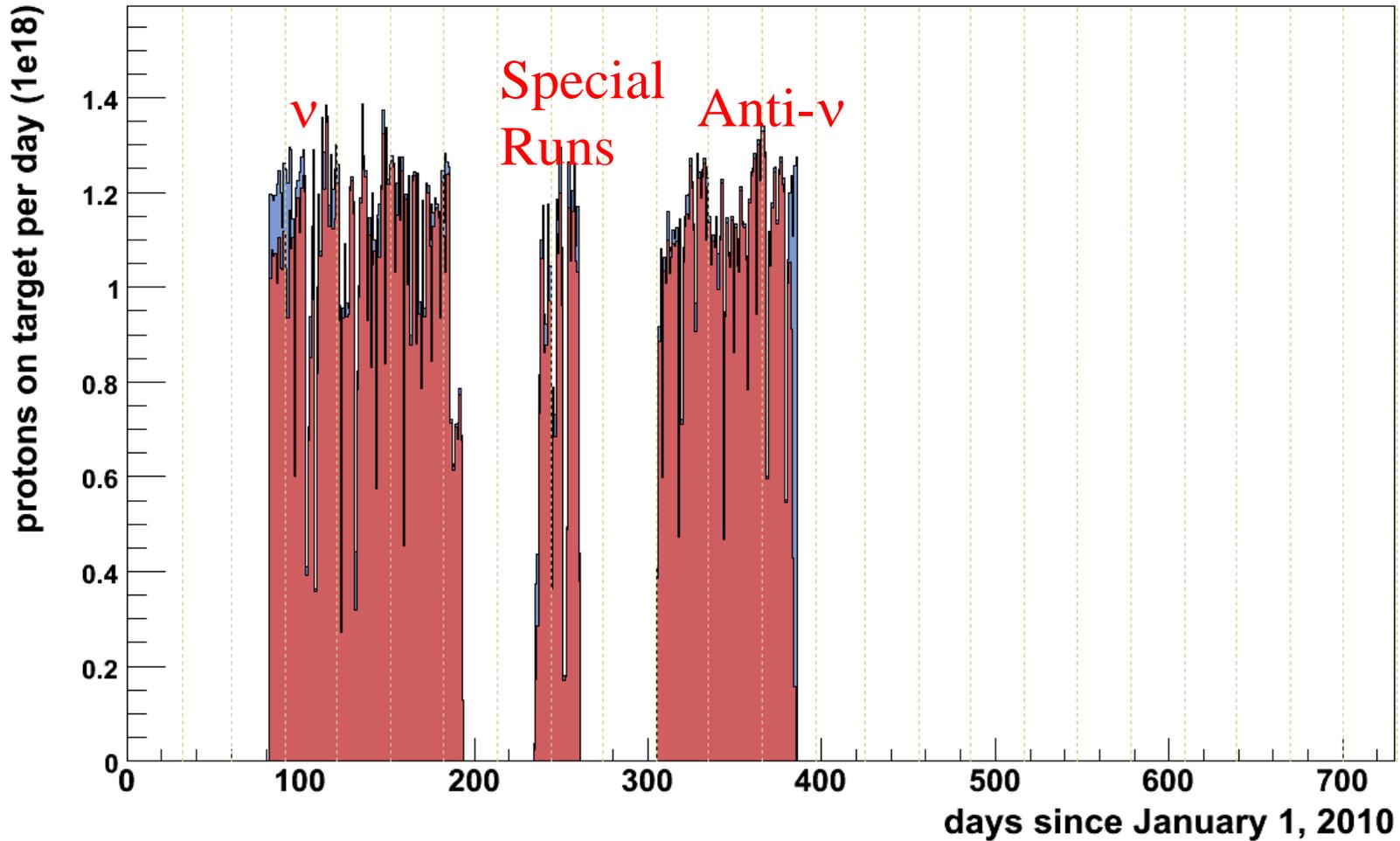
- He target in Lab E
- Testing in January
- Feb 1 install in cavern
- Feb 8 begin cool down
- 1-2 week cool down and fill with He



MINER_vA POT/Day March 2010 - Present

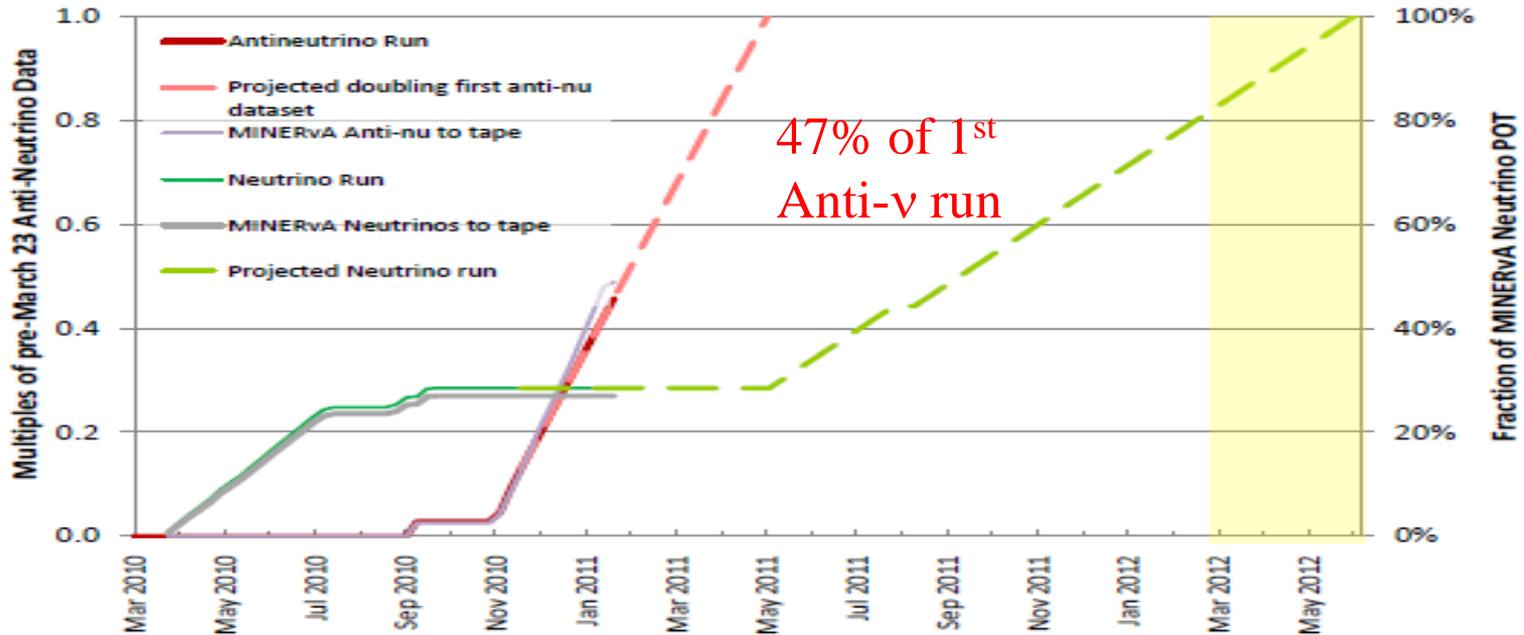


Number of POT's





Accumulated POT to Jan 15



47% of 1st
Anti-v run

- Anti-ν run, full scale corresponds to 1.76×10^{20} POT
 - # POT for collected for anti-ν before Mar 23 10, official start of MINERvA ν run
- Minerva run , full scale corresponds to 4.9×10^{20} POT
 - # for which MINERvA project & experiment were reviewed & the detector built.
- Projected assumes 0.92×10^{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