

The MINERvA Operations Report

All Experimenters Meeting

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Sep 12, 2011

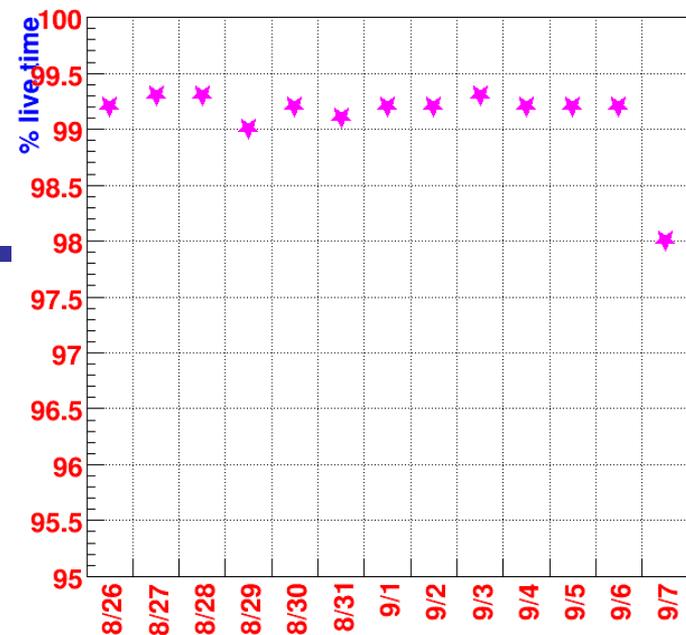




Anti-v Data

% live time Aug 26 – Sep 7

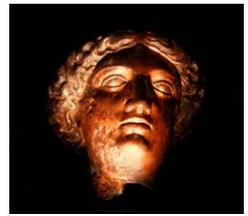
Date	POT Recorded	POT Delivered	Live Time
26-Aug-2011	7.53E+17	7.59E+17	99.2%
27-Aug-2011	1.01E+18	1.02E+18	99.3%
28-Aug-2011	1.12E+18	1.12E+18	99.3%
29-Aug-2011	9.68E+17	9.78E+17	99.0%
30-Aug-2011	1.22E+18	1.23E+18	99.2%
31-Aug-2011	1.06E+18	1.07E+18	99.1%
1-Sep-2011	1.01E+18	1.02E+18	99.2%
2-Sep-2011	1.17E+18	1.18E+18	99.2%
3-Sep-2011	1.25E+18	1.26E+18	99.3%
4-Sep-2011	1.30E+18	1.31E+18	99.2%
5-Sep-2011	1.24E+18	1.25E+18	99.2%
6-Sep-2011	1.27E+18	1.28E+18	99.2%
7-Sep-2011	1.11E+18	1.13E+18	98.0%
Total	1.45E+19	1.46E+19	99.1%



- Started up in LE10 LE anti-v mode on July 29 2011
 - Running at 36.3×10^{12} POT/spill
 - 4.22×10^{19} POT since Jul 29.
 - 0.80×10^{19} POT from Aug 29-Sep 4.
 - 0.87×10^{19} POT from Sep 5-Sep 11
- MINERvA is 99.1% live from Aug 26 - Sep 8
 - MINOS live time about 98% from Aug 29-Sep 11
 - MINERvA 96.8% efficient since 7/29
 - Data not all processed for Sep 8₂

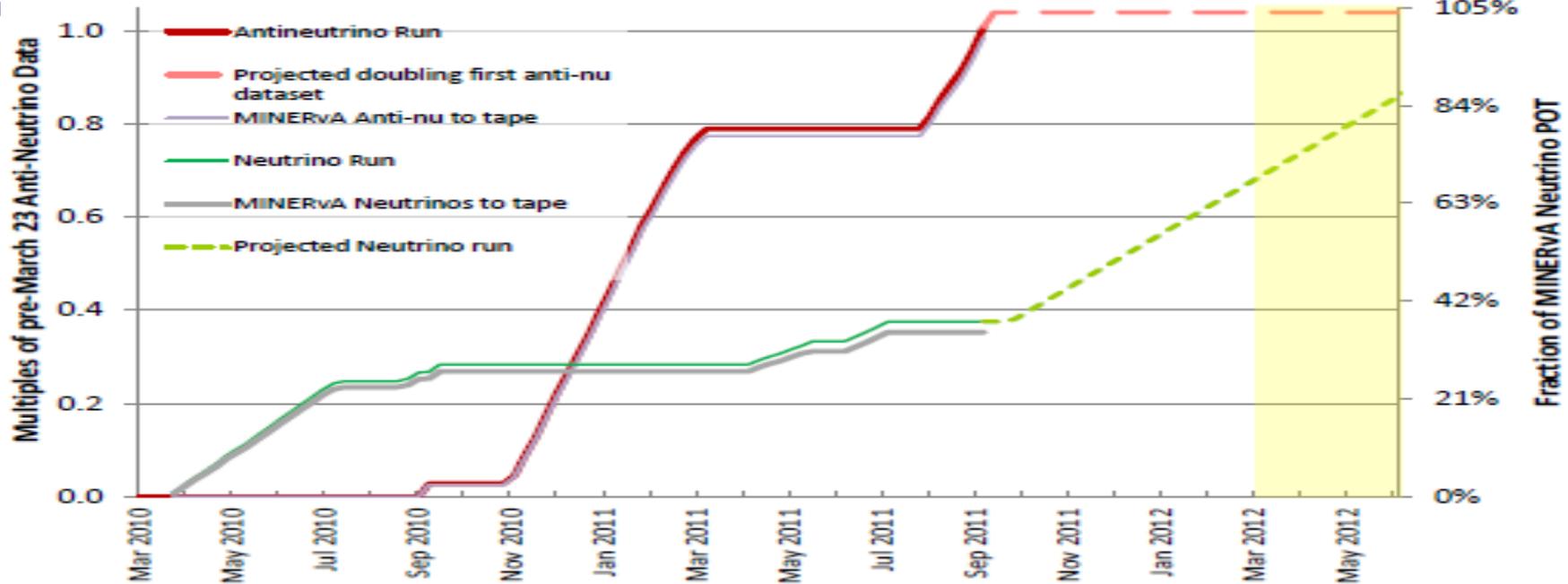


He Target



- He target is filled with helium and is ready to data with the start of the neutrino running

Accumulated POT to Sep 8



- 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
- NT02 running gives enough anti- ν data for doubling of the 1st anti- ν data set.
- 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
 - # POTs – average over the uptime during the past 1.5 years
 - Actual run plan not yet determined, this is one possible scenario