MINERνA OPERATIONS REPORT

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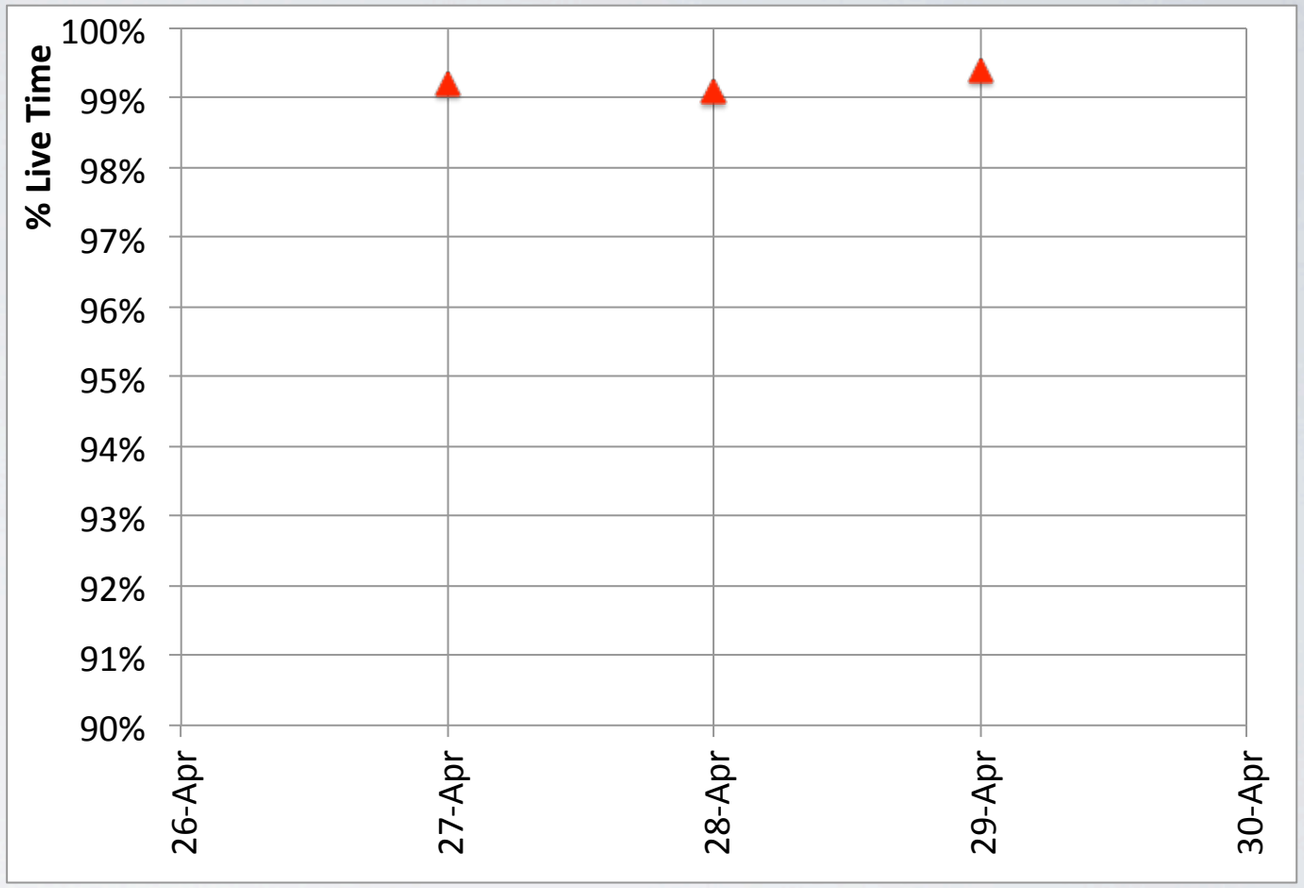
All Experimenters Meeting, May. 7, 2012

ν Data

% Live time Apr 27 - Apr 29

- NuMI: **2.65×10^{18} POT** delivered.
- MINERvA: **2.63×10^{18} POT** recorded, **99.2%** live time.
- Minos: **98.7%** live time.
- MINOS*MINERvA live time **97.9%**.

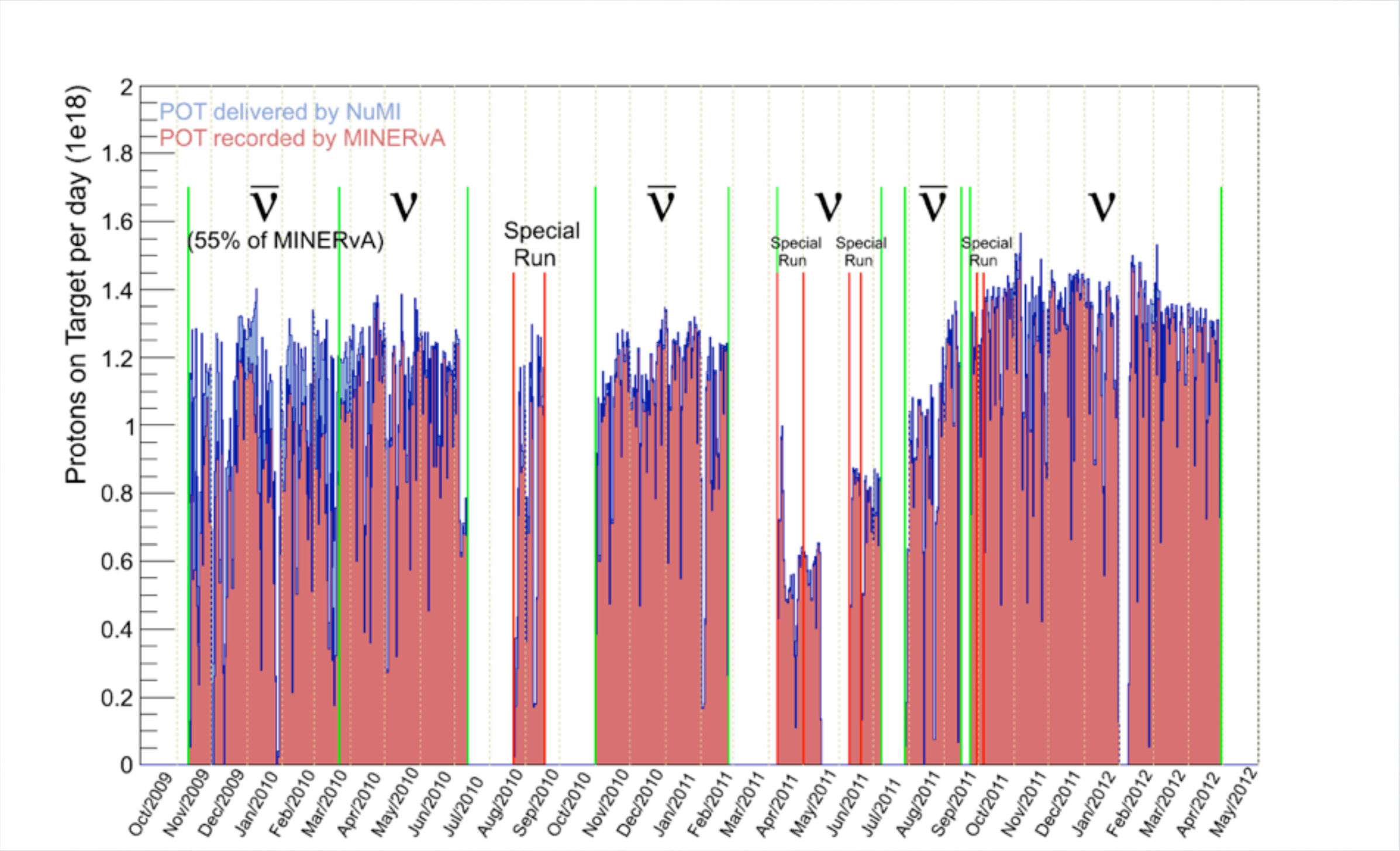


% Live time Mar 22, 2010 - Apr 29, 2012

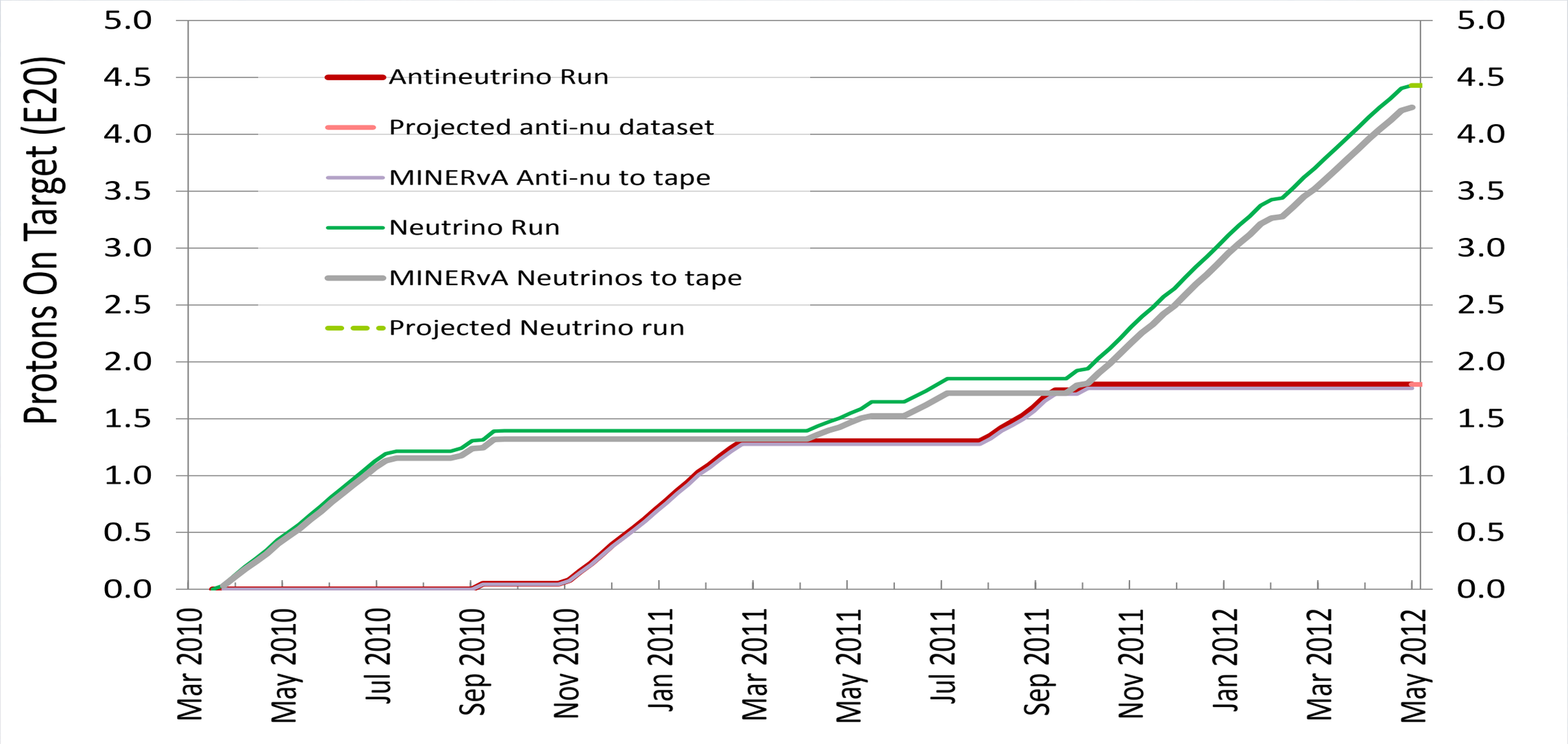
May 5-12, 2010 and Aug 23-26, 2010 were excluded due MINOS problems.

- NuMI: **6.1×10^{20} POT** delivered.
- MINERvA: **5.9×10^{20} POT** recorded, **96.8%** total live time.
- Minos: **93.3%** total live time.
- MINOS*MINERvA total combined live time **90%**.

MINERνA POT/Day
Nov. 2009 - Apr. 29, 2012



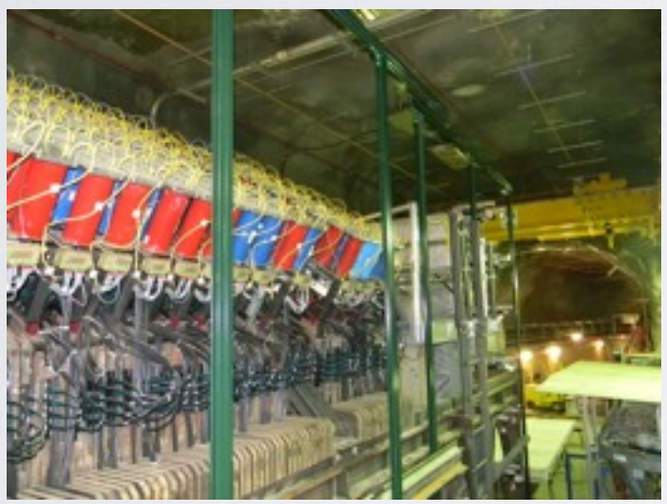
Accumulated POT to Mar. 29

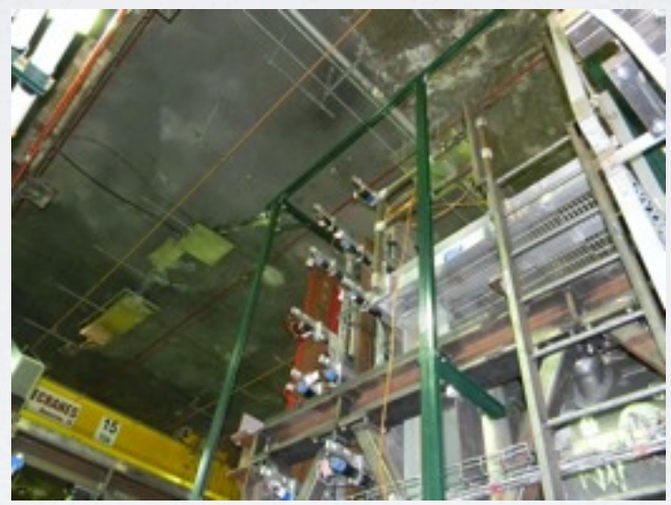


- Anti-ν run, full scale corresponds to 1.76×10^{20} POT
  - # POT for collected for anti-ν before Mar 23 10, official start of MINERνA ν run
- NT02 running gives enough anti−ν data for doubling of the 1st anti−ν data set.
- Minerva run , full scale corresponds to 4.9×10^{20} POT.
  - # for which MINERvA project & experiment were reviewed & the detector built.
- Projected assumes 1.25×10^{18} POT/day.
  - # POTs – average from Oct. 2011 to now.

Shutdown Work

- Past week:
  - Three PMT's with HV varying problem were replaced.
  - Distance between water target and neighbor scintillator planes was measured by the Alignment and Metrology Department.
  - Installation of the rock catcher is underway.





- For this week: water from water target will be drain.