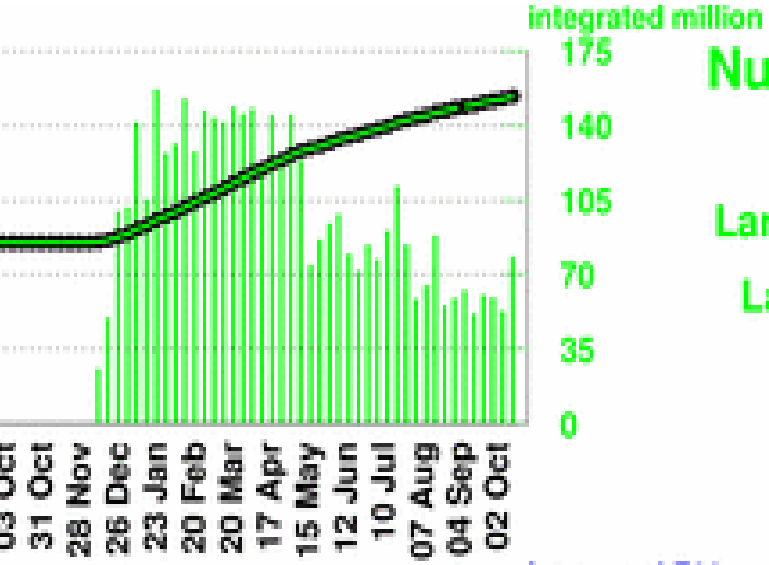
# MiniBooNE Report

Richard Van de Water
Los Alamos National Lab
for the MiniBooNE collaboration

**03 OCTOBER 2005**

# 26 Sept - 03 Oct

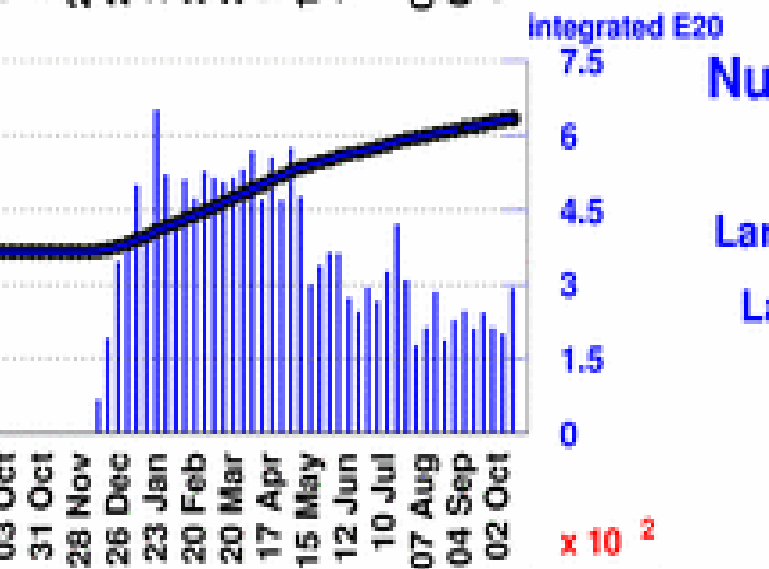



## Number of Horn Pulses

To date: 153.63 million

Largest week: 2.46 million

Latest week: 1.23 million

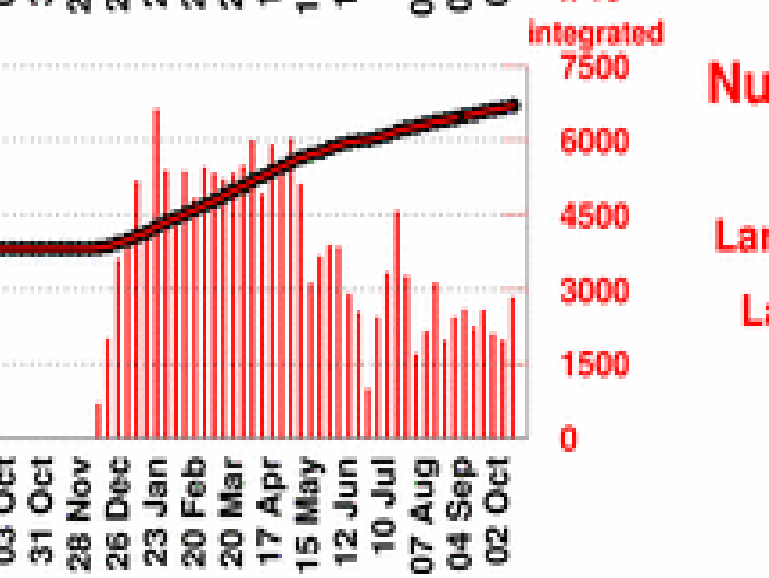



## Number of Protons on Target

To date: 6.3421 E20

Largest week: 0.1084 E20

Latest week: 0.0486 E20




## Number of Neutrino Events

To date:669143

Largest week: 11447

Latest week: 4907

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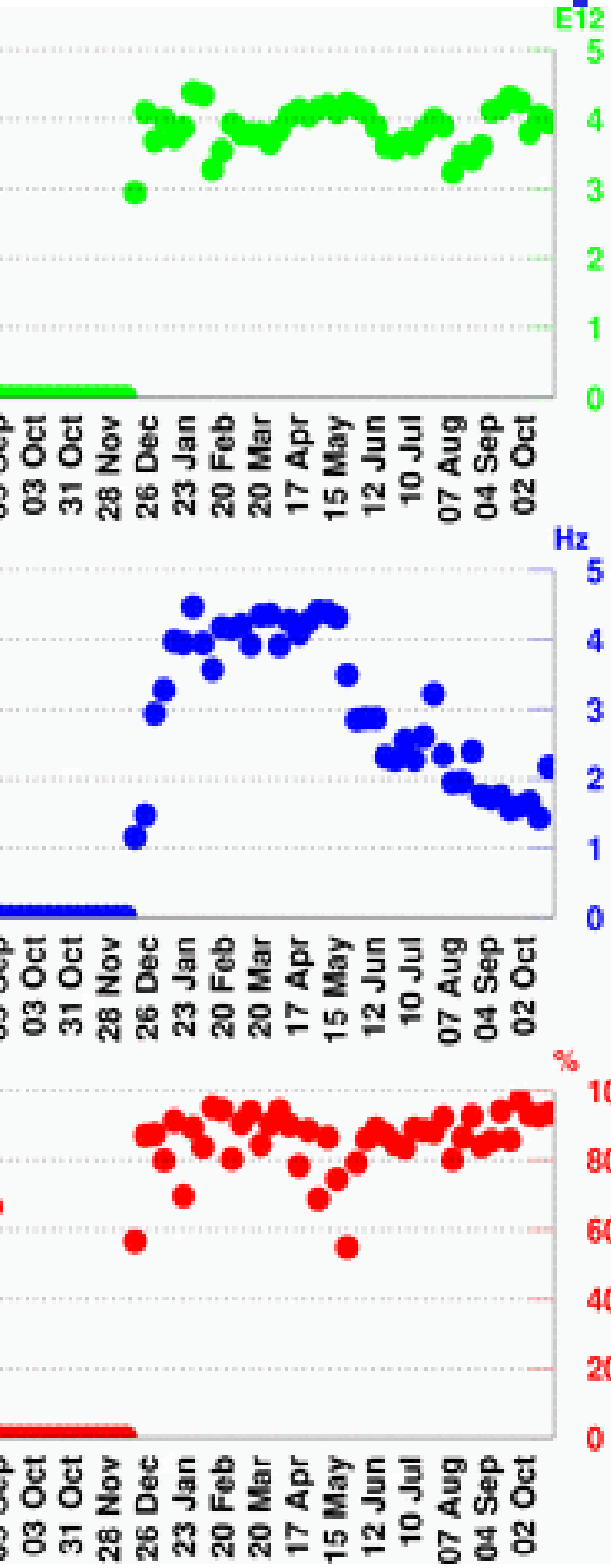



## POT per Horn Pulse

Largest week: 4.66 E12

Latest week: 3.96 E12

## Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

Latest week: 2.17 Hz

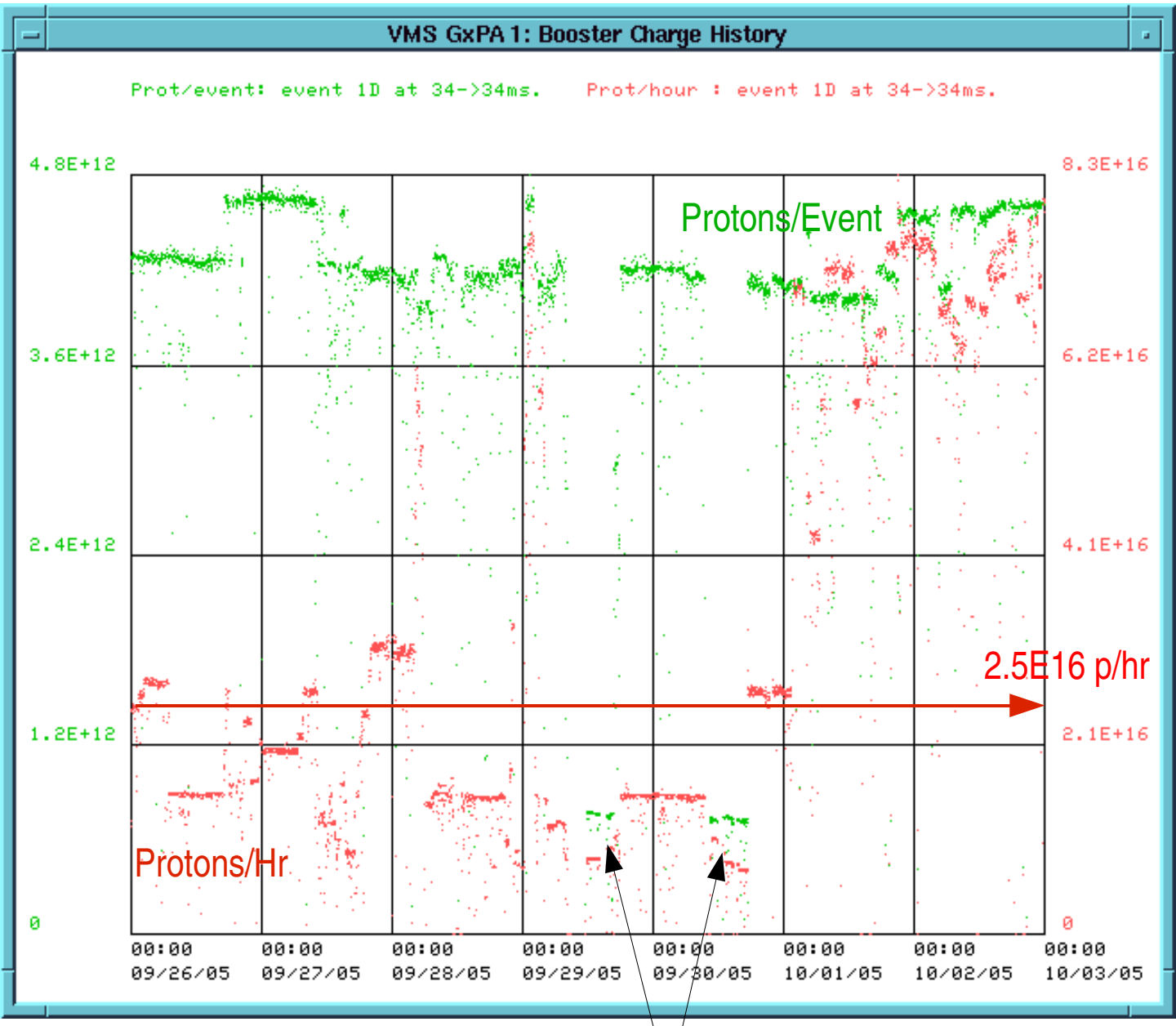
## Beam Uptime Fraction

(fraction of time with beam)

Largest week: 97 %

Latest week: 93.6 %

# MiniBooNE One Week Proton/hr Summary




26 Sept

03 Oct

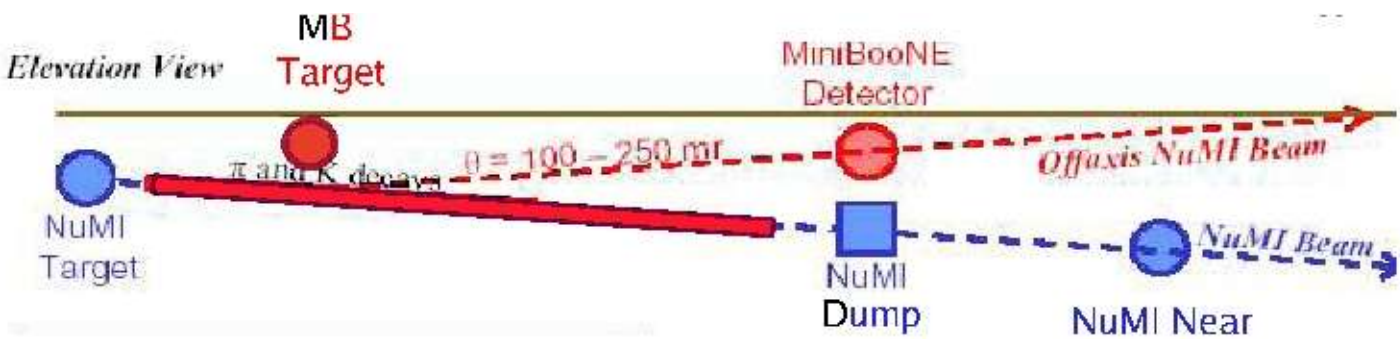
LMC Studies

Steady running with some excellent intensity periods.

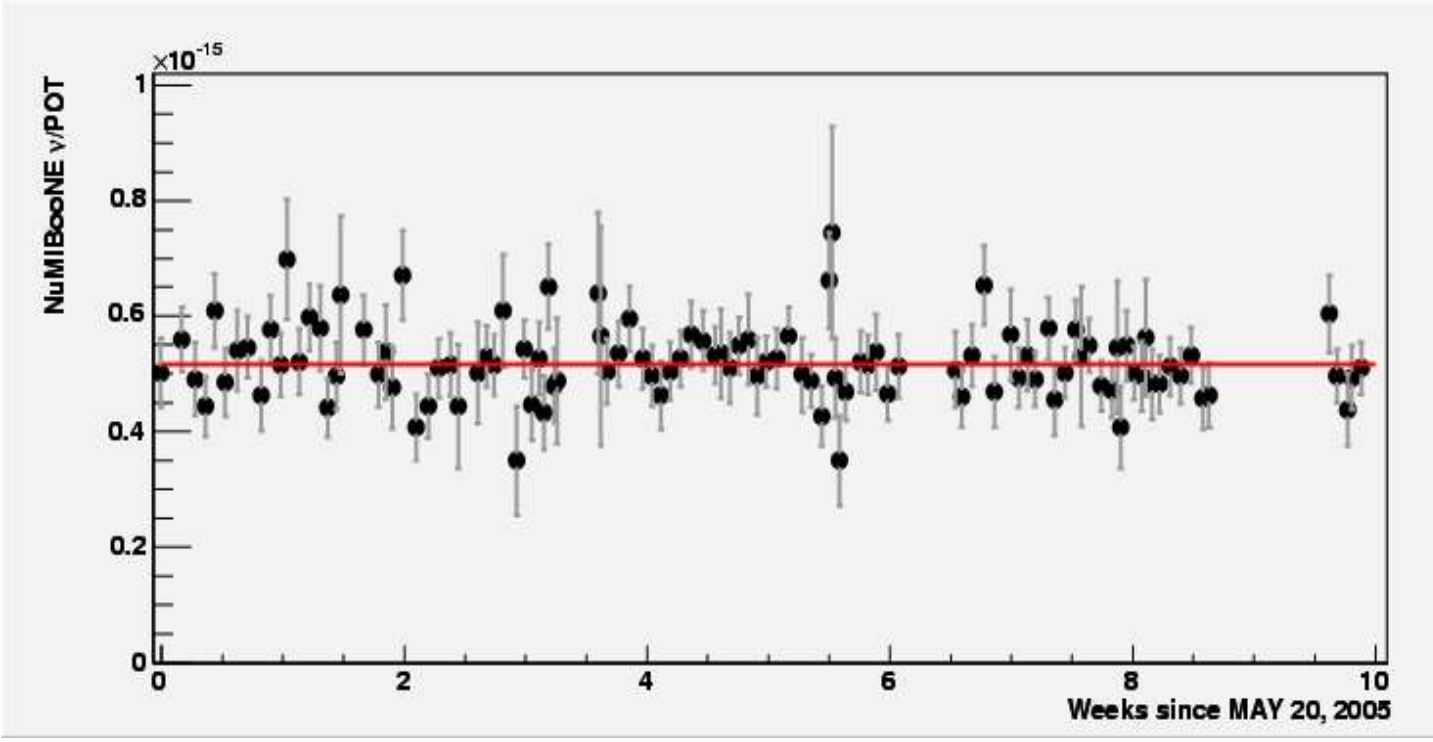
# Beam Uptime 94%
# 4.9E18 POT Delivered

- Detector running well, ~100% livetime.
  - RWM repairs due to thunder storms.
- Beam uptime good, beam steady, taking advantage of NuMI downtime.
- Special low intensity LMC collimation runs last week were successful.
  - make final adjustments and prepare for 2 day low intensity data run.
- This weeks W&C seminar by Morgan Wascko on CCPi+ production at MB.

# NuMI Events in MiniBoonE




- Simple Neutrino Cuts:
  Beam Window, TankHits > 200, Veto < 6
  Beam quality cuts, assume 5% flux errors.




- Have collected >10,000 events, will be used as an important calibration with over >500 electron neutrinos.