MiniBooNE Report

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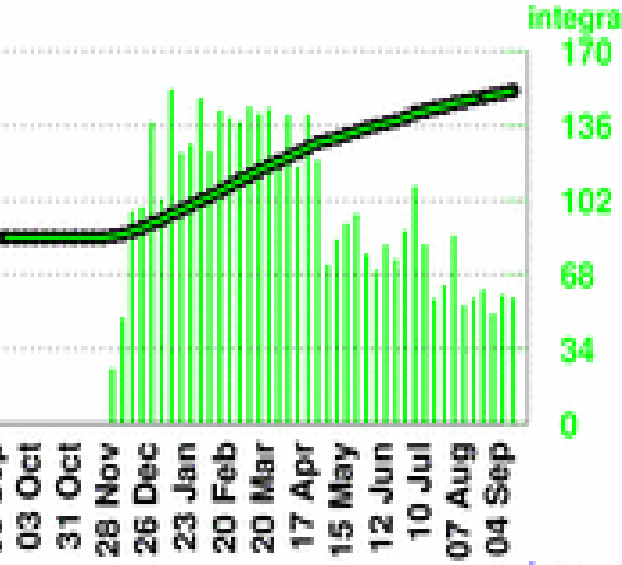
for the MiniBooNE collaboration

19 SEPTEMBER 2005

12 - 19 Sept

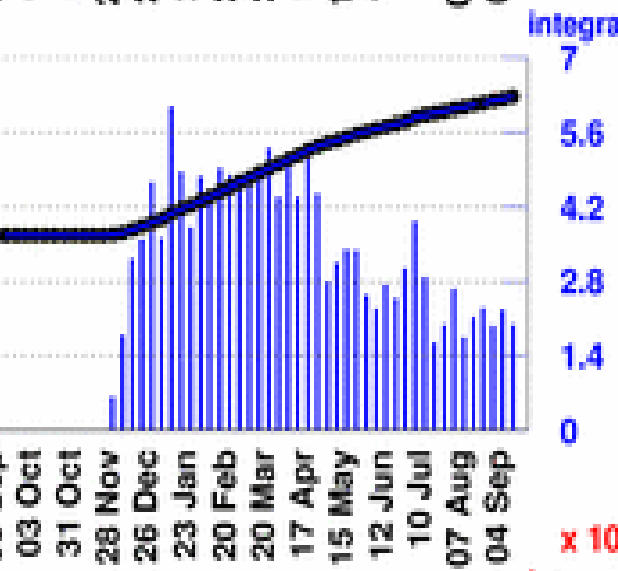


Number of Horn Pulses

To date: 151.59 million

Largest week: 2.46 million

Latest week: 0.92 million

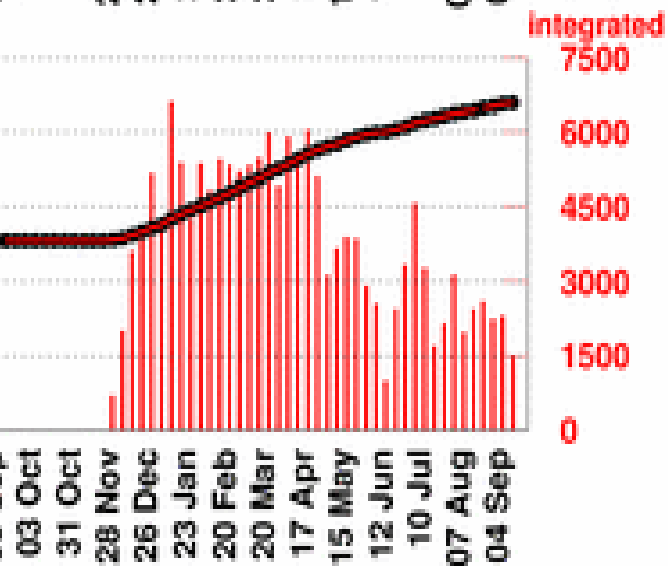


Number of Protons on Target

To date: 6.2602 E20

Largest week: 0.1084 E20

Latest week: 0.0352 E20



Number of Neutrino Events

To date:659279

Largest week: 11447

Latest week: 2593

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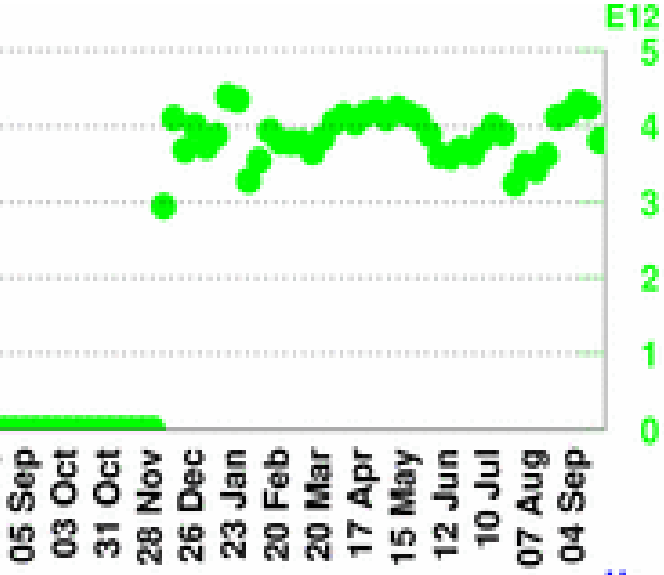
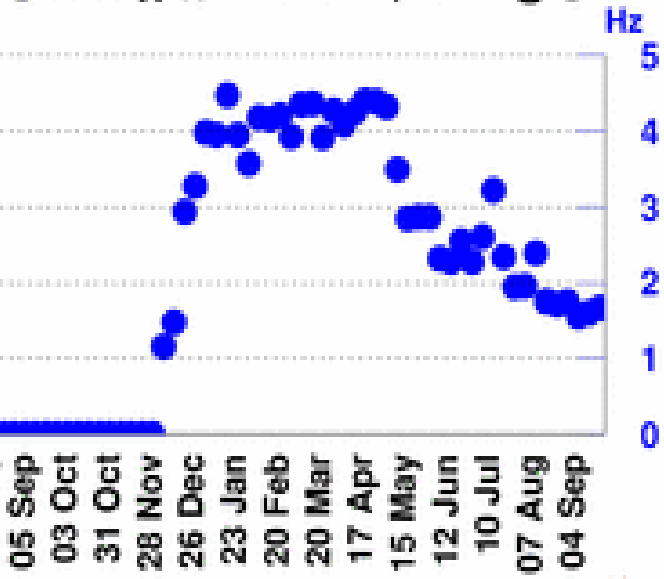


POT per Horn Pulse

Largest week: 4.66 E12

Latest week: 3.81 E12

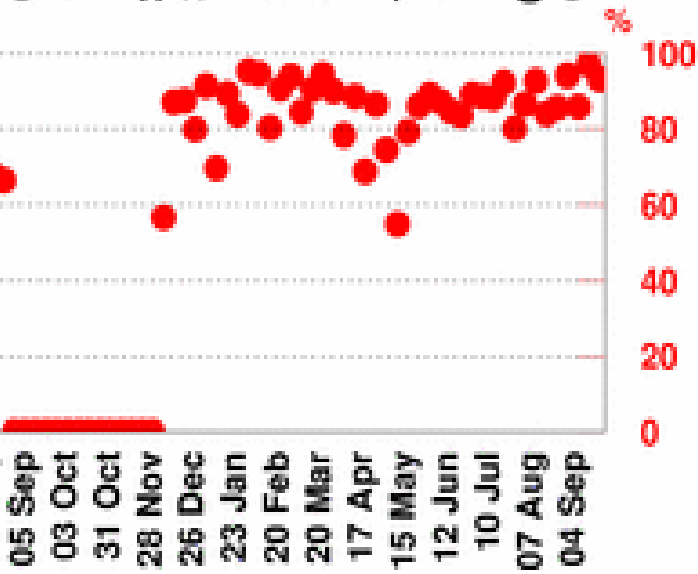


Horn Rate

(for time periods with beam)

Largest week: 4.48 Hz

Latest week: 1.66 Hz



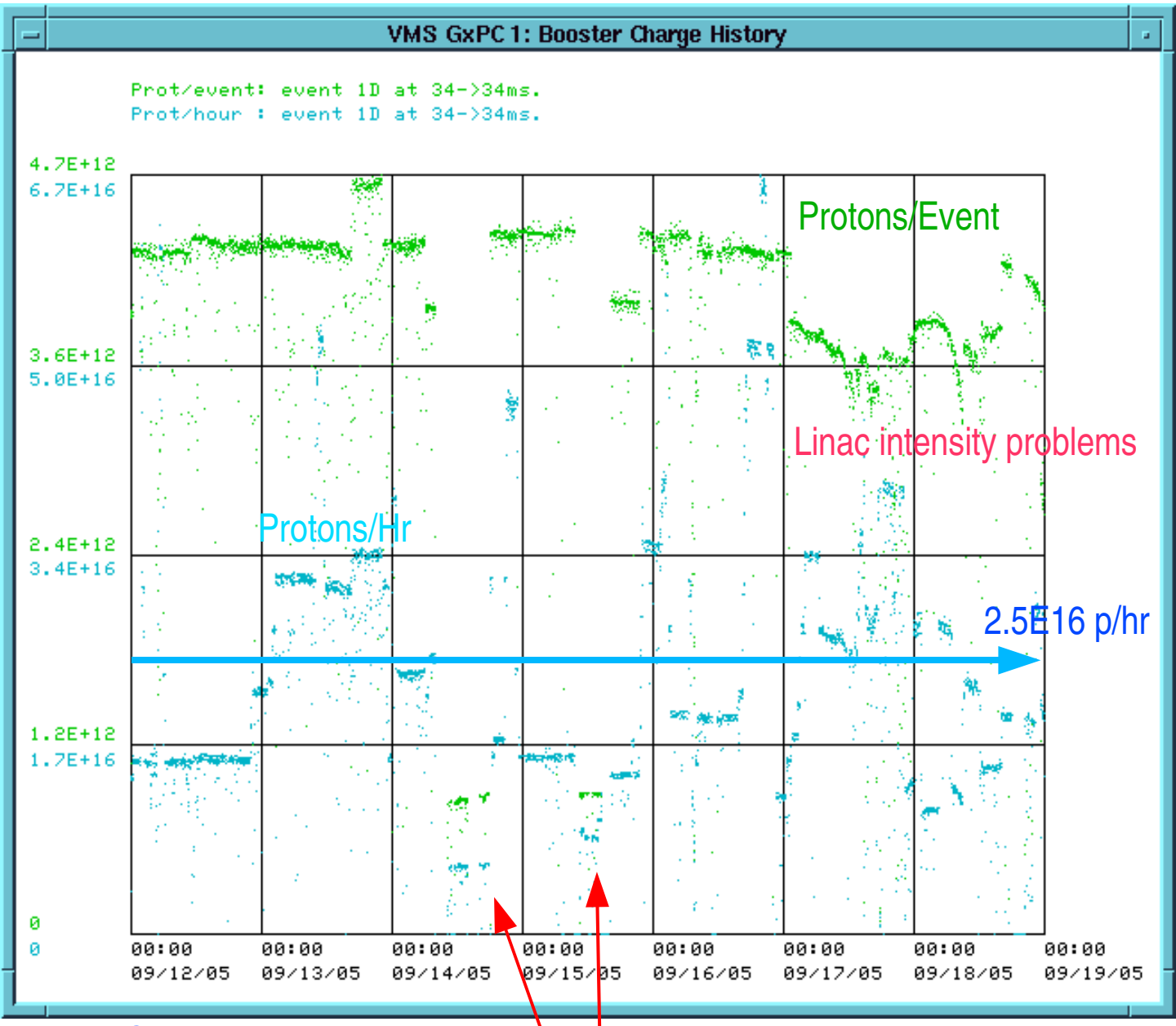
Beam Uptime Fraction

(fraction of time with beam)

Largest week: 97 %

Latest week: 93.2 %

MiniBooNE One Week Proton/hr Summary



12 Sept

19 Sept

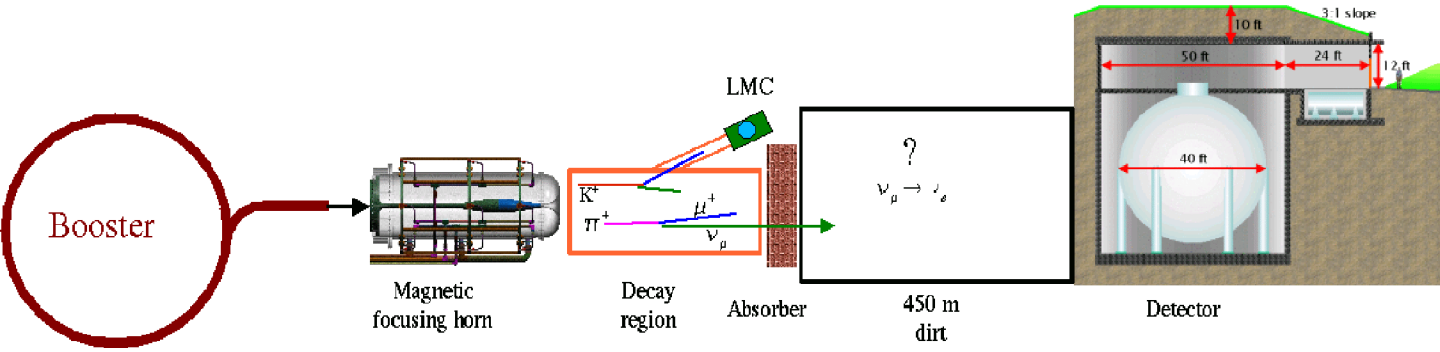
LMC special runs

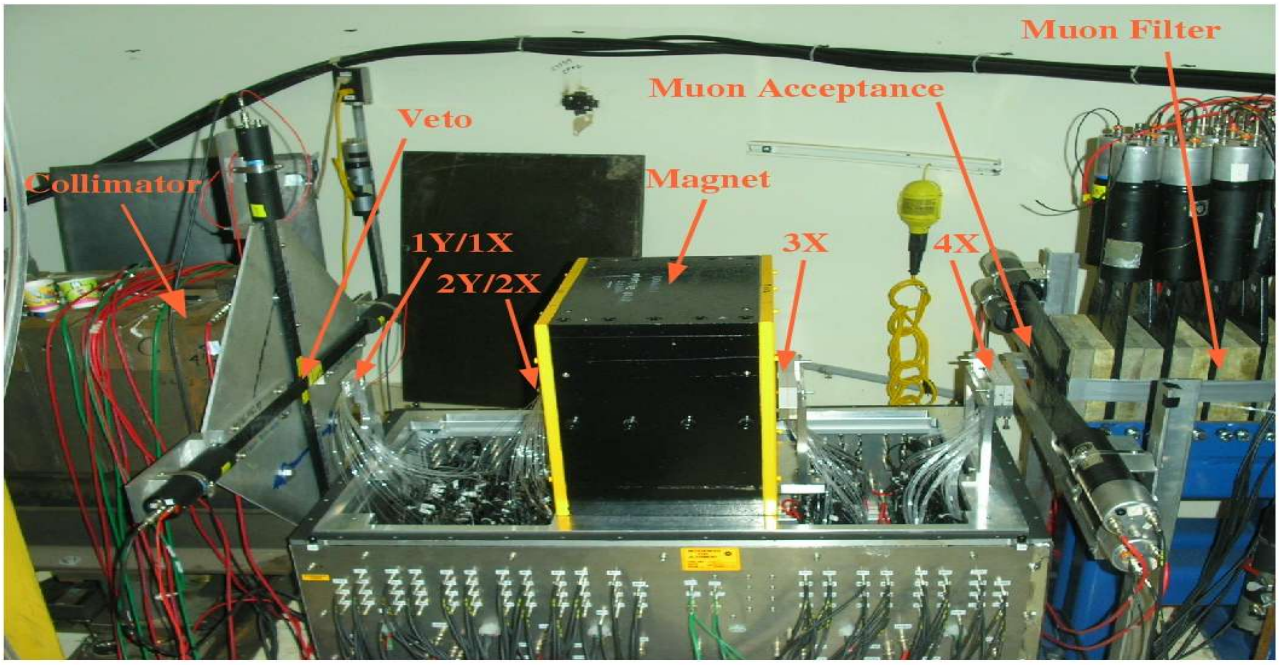
Some good periods of running....

Beam Uptime 94%
3.6E18 POT Delivered

- Detector running well, ~100% livetime, no major issues.
- Beam uptime good. Instabilities over the weekend required reduced batch intensity.
- MB POT sensitive to Booster tune, need to keep on top of it, please!
- Special LMC (Little Muon Counter) runs last week...

LMC measures muon rates at large angle, i.e. Kaons





- Low intensity runs to tune LMC collimation.
- When final tune established, a few days of low intensity running to collect enough statistics to measure kaon rates.
- Important ν_e background check!