SciBooNE Report

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Aug 4, 2008 @AEM

Weekly Summary Jul 20-27

- Booster Neutrino Beam
  - Running smoothly
    - Uptime fraction: 90%
    - Average proton/hr: 2.19E16
    - Average proton/pulse: 3.97E12
- SciBooNE Detectors

Numbers from B87 ($1D) 20080720-20080727

  - Uptime: 98.8% (period with beam on)
  - SciBar: HV dropped (1 V) on one card, gain change (2%) corrected by LED calibration - confirmed by cosmic data
  - EC: stable
  - MRD: One drifting HV channel, efficiency unaffected - checked with cosmic data
  - DAQ: stable

Weekly Summary Jul 27-Aug 3

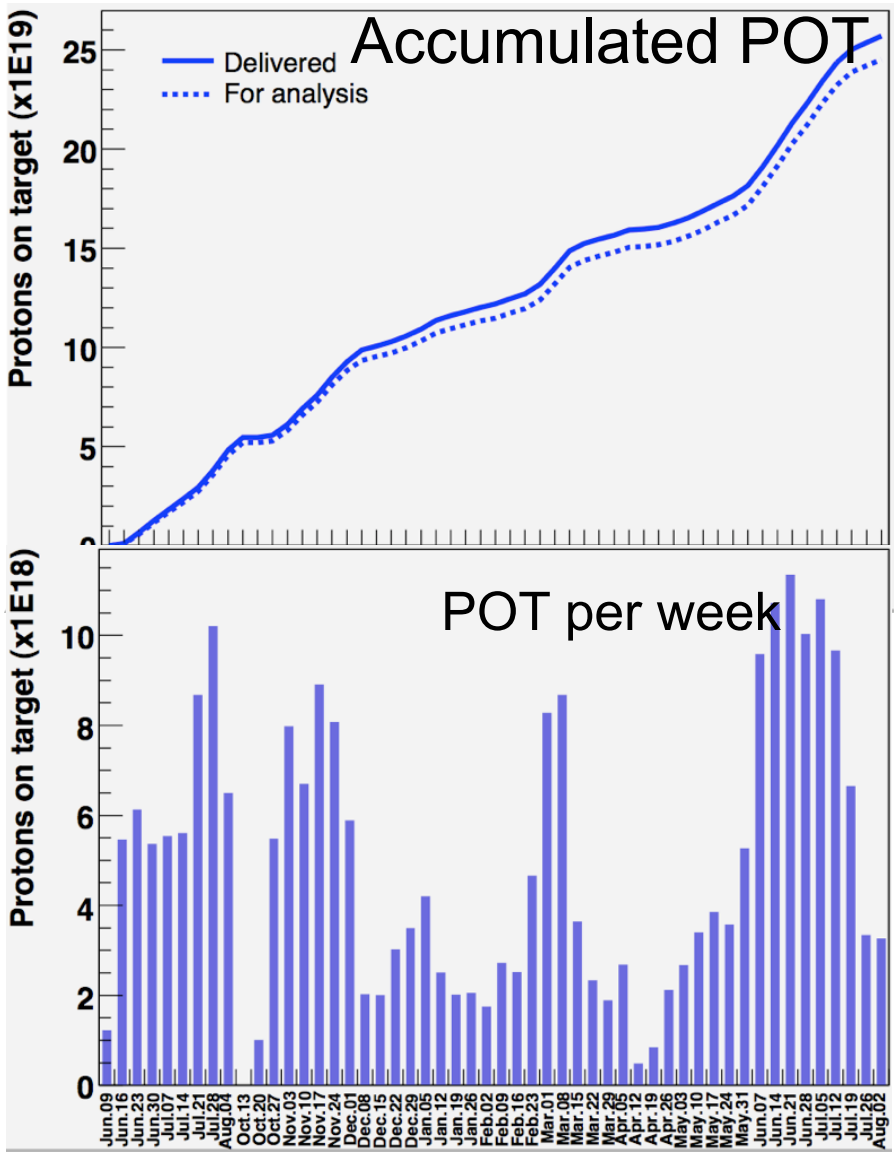
- Booster Neutrino Beam
  - Running smoothly
    - Uptime fraction: 80%
    - Average proton/hr: 2.61E16
    - Average proton/pulse: 3.84E12
- SciBooNE Detectors

Numbers from B87 ($1D) 20080727-20080803

  - Uptime: 98.5% (period with beam on)
  - SciBar: stable
  - EC: stable
  - MRD: stable
  - DAQ: stable

Protons On Target

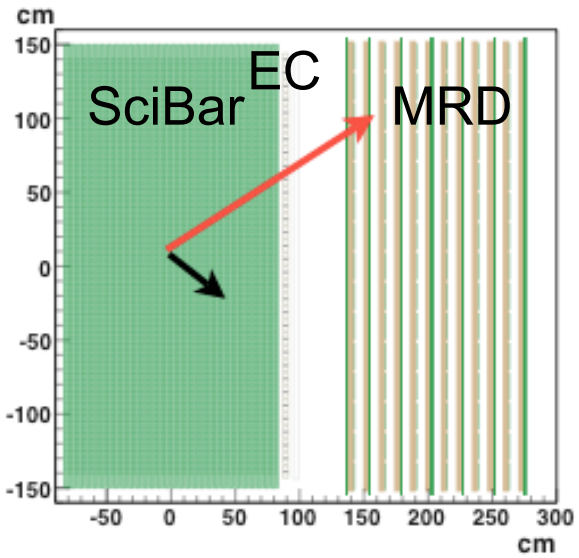
- POT Collected
  - (Jul 19-26)
    - 3.34E18 POT delivered,
    - 3.30E18 POT for analysis.
  - (Jul 27- Aug 3)
    - 3.27E18 POT delivered,
    - 3.22E18 POT for analysis.
- Total POT ($\bar{\nu}$ mode) 1.46E20
- Total POT (ν+$\bar{\nu}$) 2.45E20



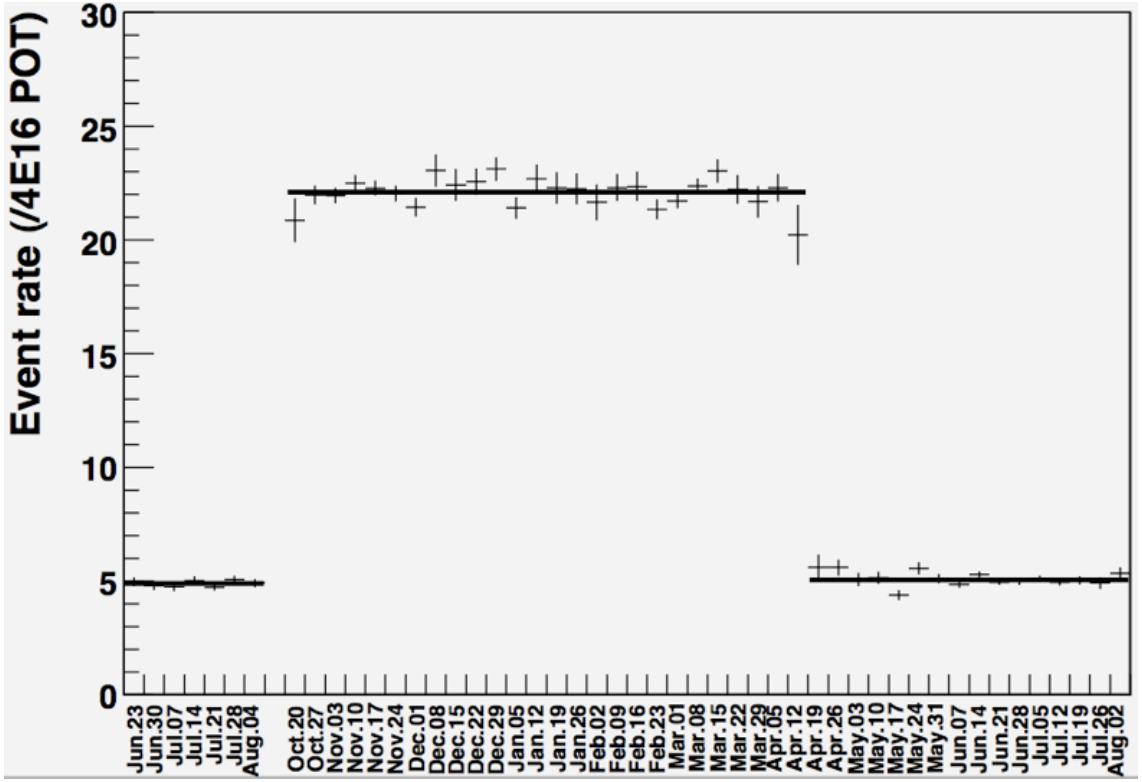
POT normalised event rate

- Charged current event candidates in SciBar.
- Stable within stat. error.

➔ Stable operation of beam & detector.



Event rate per week



Decommissioning begins Aug 18