



# SciBooNE (E954) status

<http://www-sciboone.fnal.gov/>

Hide TANAKA

(Columbia University)

Jul. 02, 2007 @AEM

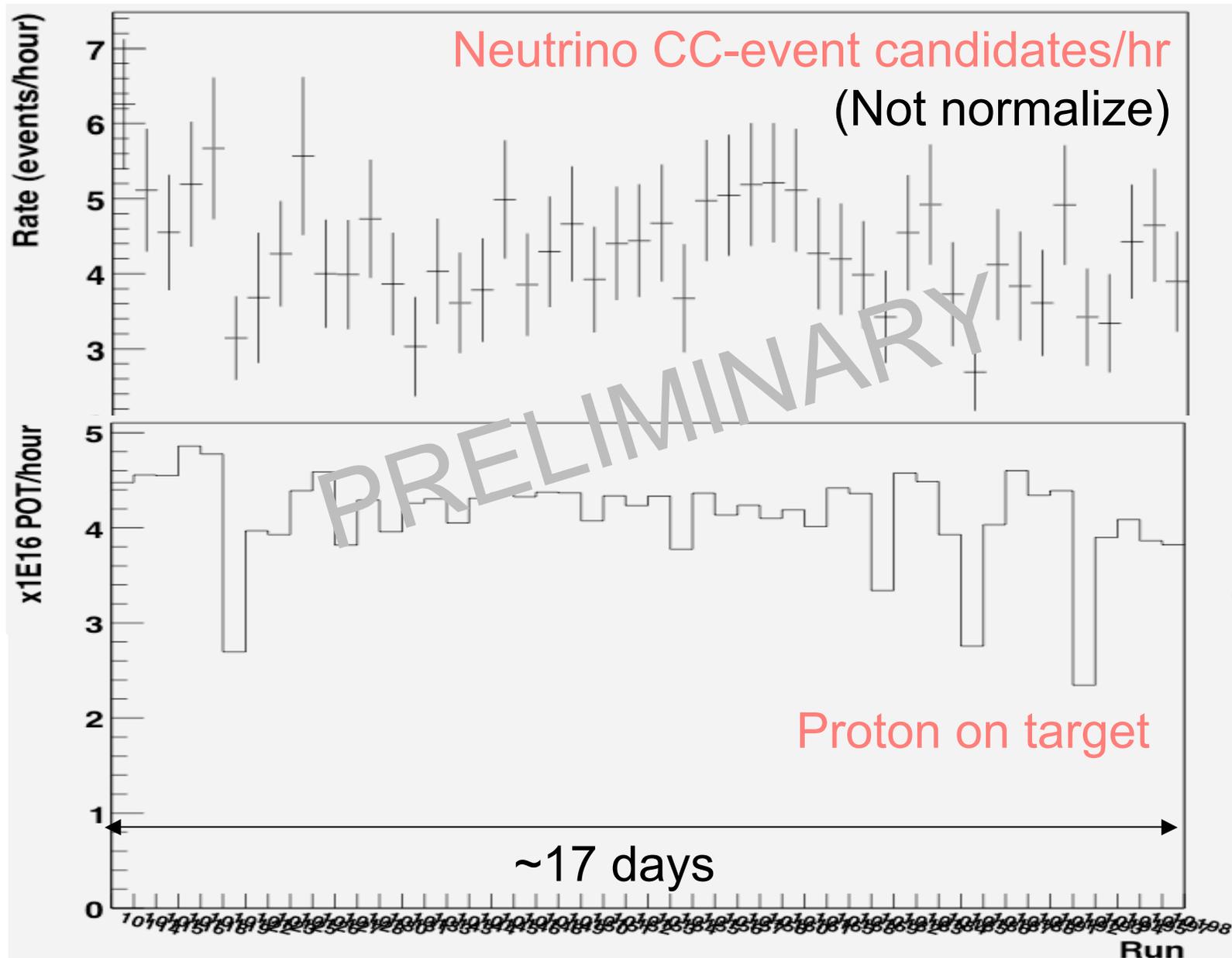
# Week Summary Jun. 25 - Jul. 2

- All SciBooNE detectors/systems were stable.
- Detector uptime (period with beam): 97%  
[Down time sources]
  - Run switching: 2hrs (~5 min/shift),
  - Frontend-electronics initialization error 1.5hrs.
- Total live time: ~128hrs
  - ~5E18 POT

# Status of data taking up to now

- Total POT for physics data:  $\sim 1.6E19$  POT  
(from Jun. 16)
- Total number of neutrino events:  $\sim 1600$  *events*  
(CC event candidates in SciBar)

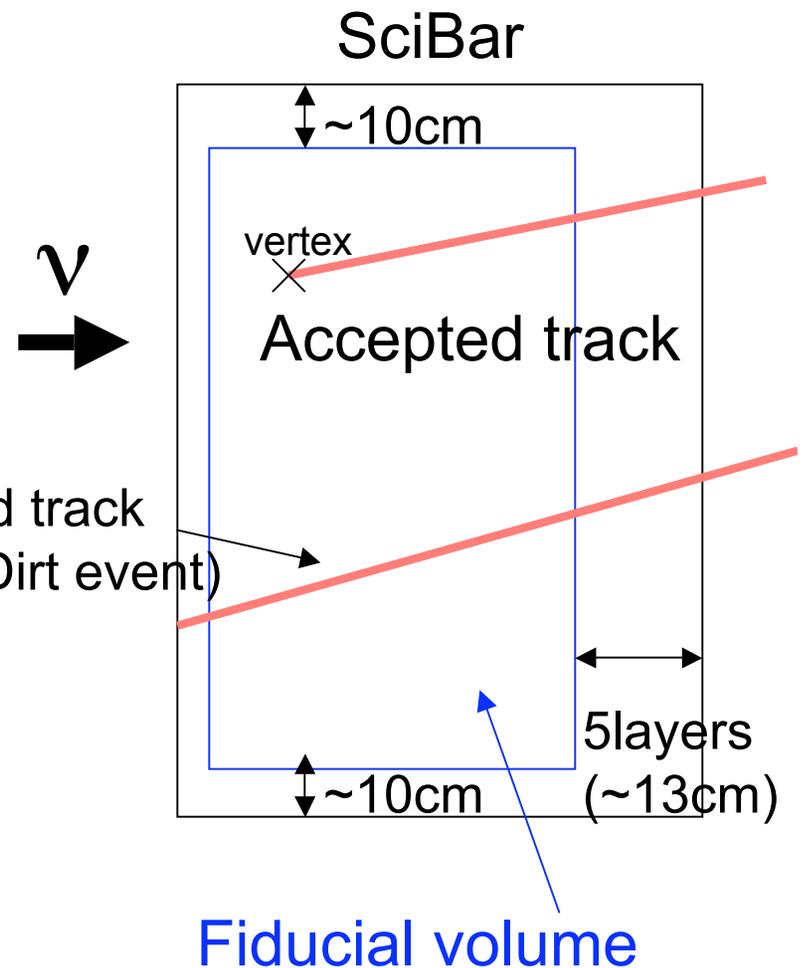
# Fast results: $\nu$ event rate



# Backup

# Selection CC- $\nu$ -event candidate

1. Select event candidates in beam window (requires more than 6 contiguous hits with  $>2$  p.e. in 2 $\mu$ s)
2. Require no hit on 1st layer (most downstream scintillator layer). And require  $>1$  hit on last layer.
3. Downstream edge of track (vertex) in fiducial volume
4. Length of track must be more than 13cm (5 layers)



# Detector Stability

- SciBar
  - PMT gain: stable within +/- 1%
  - Pedestals: stable within 5 ADC counts (cf. ~100 count/MIP)
- EC
  - PMT gain: stable within: ~1.2%
  - Pedestal: stable within +/- 0.6%
- MRD
  - PMT gain: stable within +/-5%
  - Pedestal: stable within +/-3%