



SciBooNE (E954) status

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

Hide TANAKA

(Columbia University)

Outline:

1. Weekly summary of SciBooNE
2. Emulsion installation report

Jul. 09, 2007 @AEM

Week Summary Jul. 2 - Jul. 9

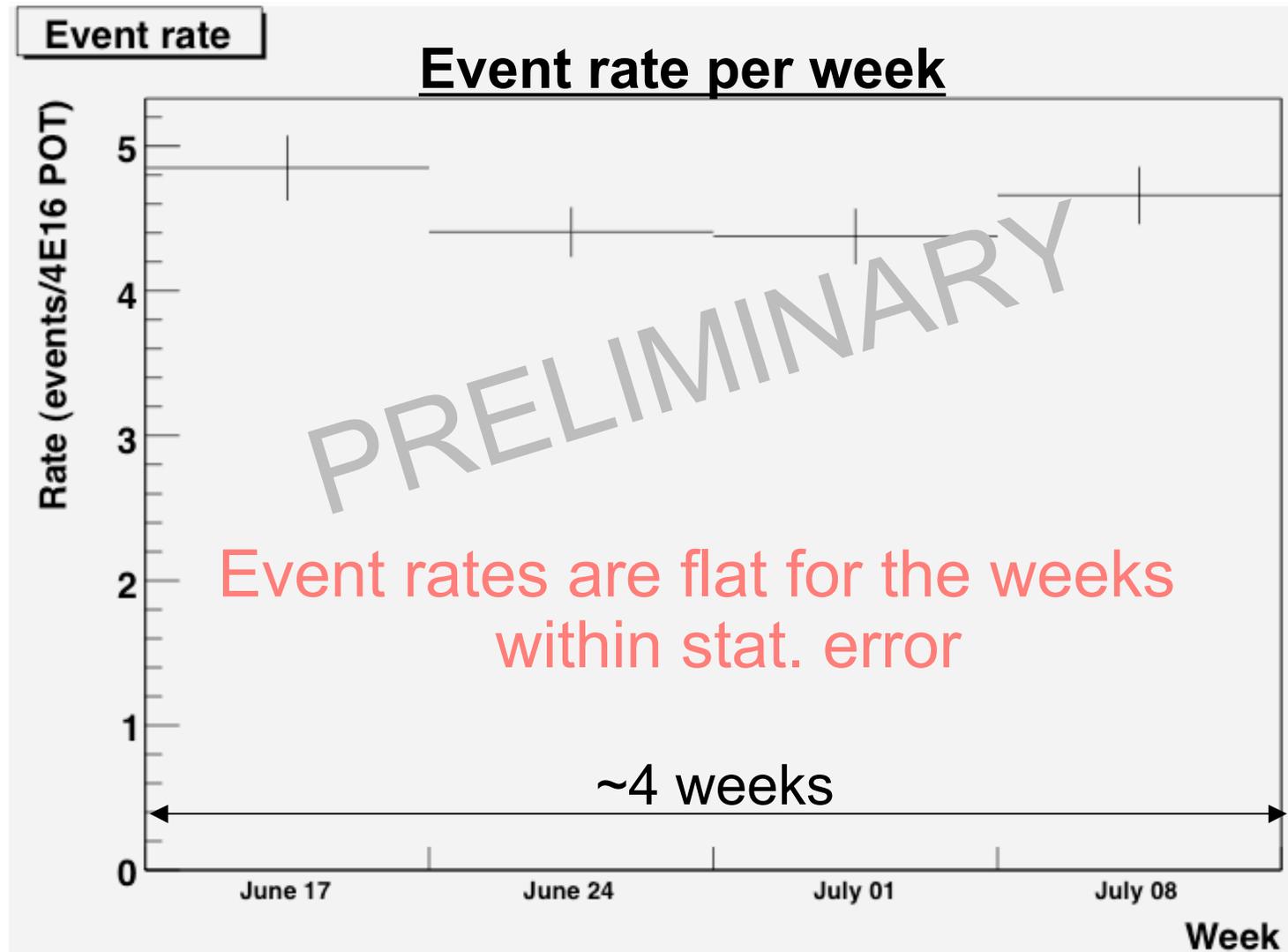
- Detector uptime (period with beam): 95%
[Down time sources]
 - MRD HV trouble & amplifier failure: 5hrs
 - Check and restart HV system
 - Replace amplifier
 - Run switching: ~1hrs (~4 min/shift),
 - Frontend-electronics initialization error: 0.5hrs.
- Total live time: ~122hrs
 - Collected POT for physics: ~5E18 POT

Status of data taking up to now

- Total POT for physics data: $\sim 1.9E19$ POT
(from Jun. 16)
- Total CC-event candidates reconstructed in
SciBar: **~ 2200 events**

PRELIMINARY

POT normalized event rate



Emulsion @SciBooNE

- A few emulsion bricks have been installed into SciBooNE detector hall on Jun. 14th by Nagoya Univ. group (M. Komatsu et al.)
 - Supported by PPD/Neutrino department.
 - Feasibility study for future experiment.
(Not for SciBooNE itself)
- In summer shutdown, emulsion will be sent back to Japan for scanning films.

Emulsion installation

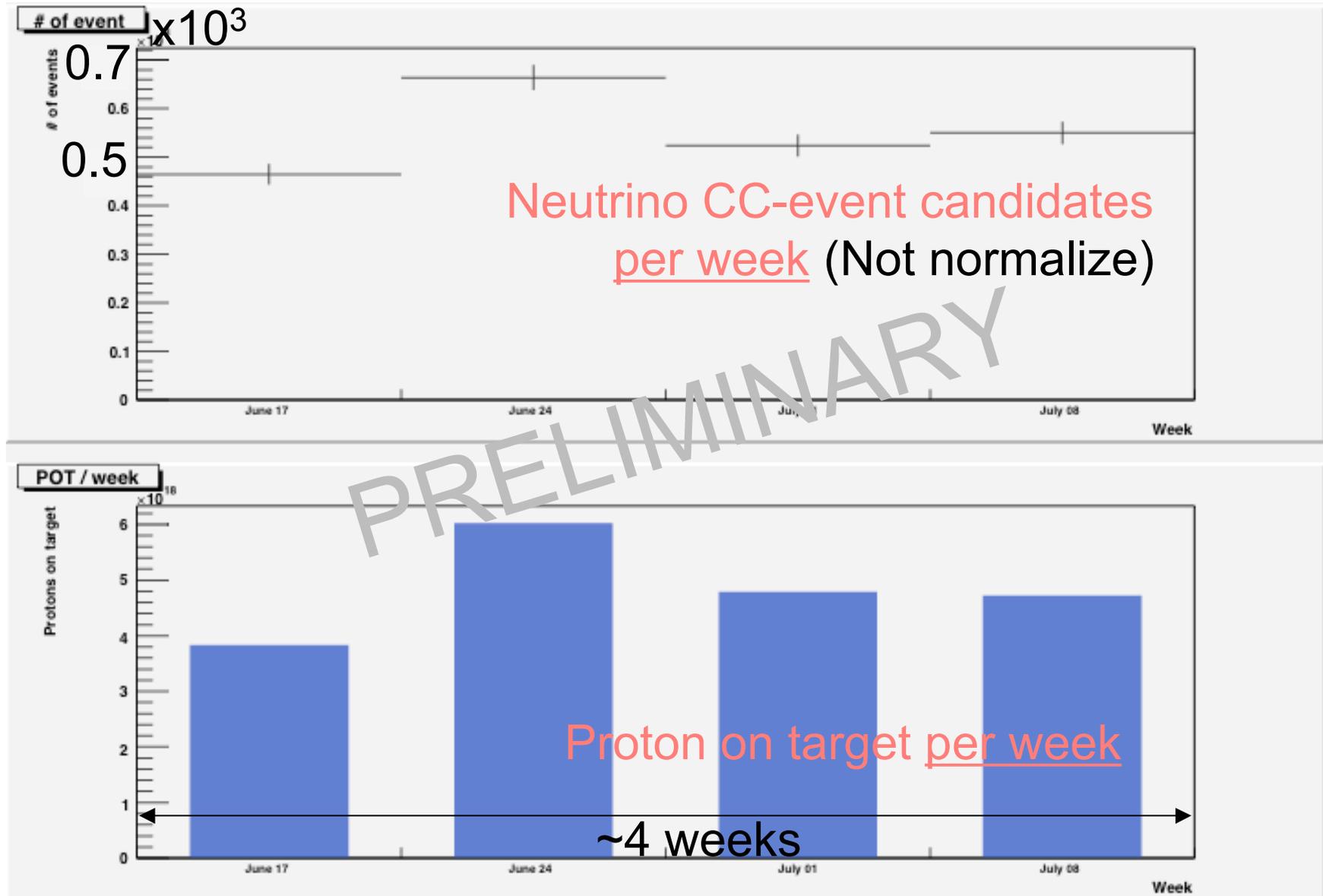


Emulsion modules placed underneath of SciBar detector

That's all!

Backup

Collected ν events & POT



Selection CC- ν -event candidate

1. Select event candidates in beam window (requires more than 6 contiguous hits with >2 p.e. in 2 μ s)
2. Require no hit on 1st layer (most upstream scintillator layer) [to reject Dirt & CR]. And require >1 hit on last layer.
3. Upstream edge of track (vertex) in fiducial volume [to reject Dirt & CR events]
4. Length of track must be more than 13cm (5 layers)

