

# SciBooNE (E954) status

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# Weekly Summary Jan 14-20

- Booster Neutrino Beam
  - Running smoothly, low intensity
    - Uptime fraction: 90%
    - Average proton/hr:  $1.4E16$
    - Average proton/pulse:  $3.0E12$
  - Major downtimes:
    - Tue Jan 15: WAPS, then Linac RF - 5h
    - Thu Jan 17: KRF4 - 2h
    - Fri Jan 18: Linac RF - 2h
    - Sat Jan 19: Booster - 4h, MI access - 5h

# Weekly Summary Jan 14-20 (p.2)

- SciBooNE Detectors
  - Uptime: 95% (period with beam on)
  - SciBar: stable
  - EC: stable; one channel showed some pedestal drift but stabilised
  - MRD: stable
  - DAQ: Initialisation errors at run change
    - Small impact on downtime

# Weekly Summary Jan 21-27

- Booster Neutrino Beam
  - Running well, but low intensity
    - Uptime fraction: 89%
    - Average proton/hr:  $1.3E16$
    - Average proton/pulse:  $3.0E12$
  - Major downtimes:
    - Mon Jan 21: Booster RF - 6h, Klystron - 2h
    - Wed Jan 23: Linac - 1h
    - Fri Jan 25: various - 11h

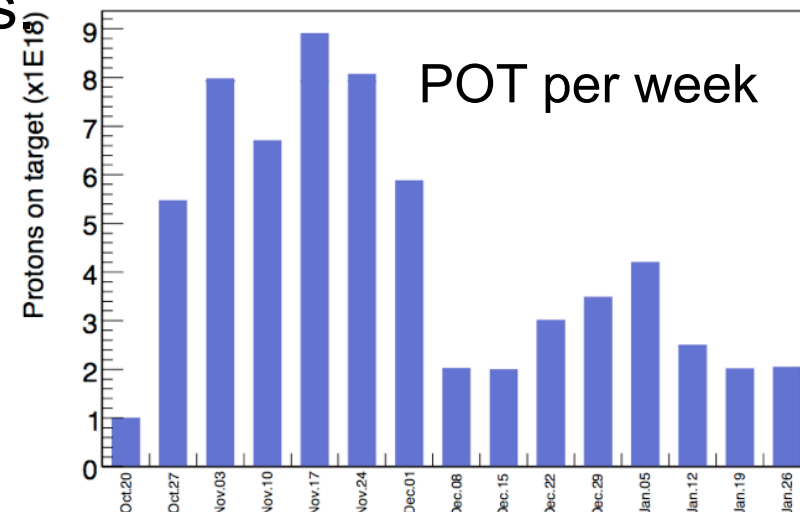
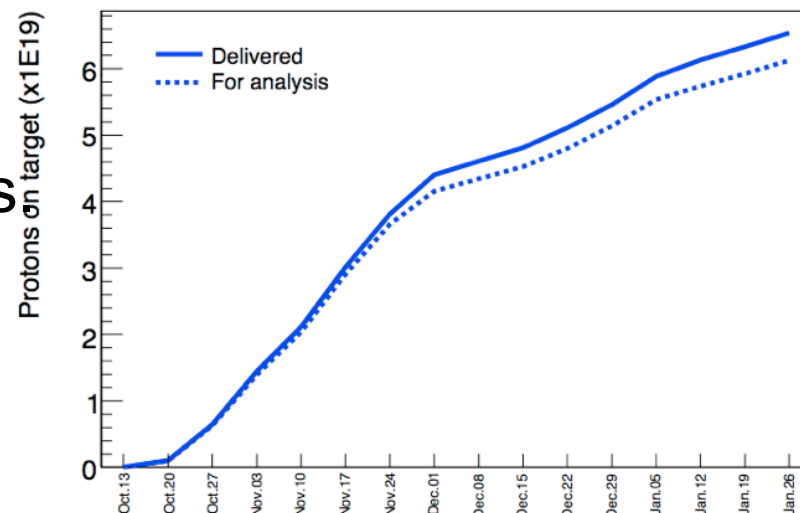
# Weekly Summary Jan 21-27 (p.2)

- SciBooNE Detectors
  - Uptime: 96% (period with beam on)
  - SciBar: stable except for one PMT with 10% high gain
  - EC: stable
  - MRD: stable except for HV trip Jan 24
    - Less than 1 hour downtime
  - DAQ: Initialisation errors at run change
    - Less than 2 hours total downtime

# Protons On Target

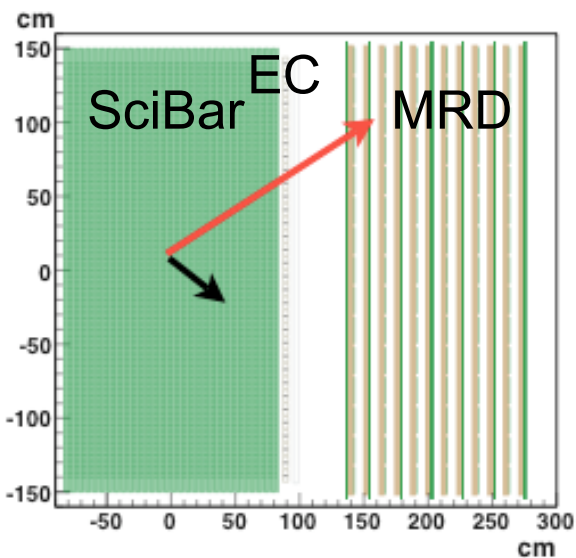
- POT Collected (Jan 13 - Jan 20)
  - 2.0E18 POT delivered,
  - 1.9E18 POT for physics analysis
- POT Collected (Jan 20 - Jan 27)
  - 2.1E18 POT delivered,
  - 2.0E18 POT for physics analysis
- Total POT ( $\nu$  mode) 6.1E19
- Total POT ( $\nu+\bar{\nu}$ ) 1.15e20

## Accumulated POT



# POT normalised event rate

- Charged current event candidates in SciBar.
- Stable within stat. error.
- ➔ Stable operation of beam & detector.



## Event rate per week

