



# SciBooNE report

Masashi Yokoyama (Kyoto)  
for SciBooNE collaboration

04/14/2008

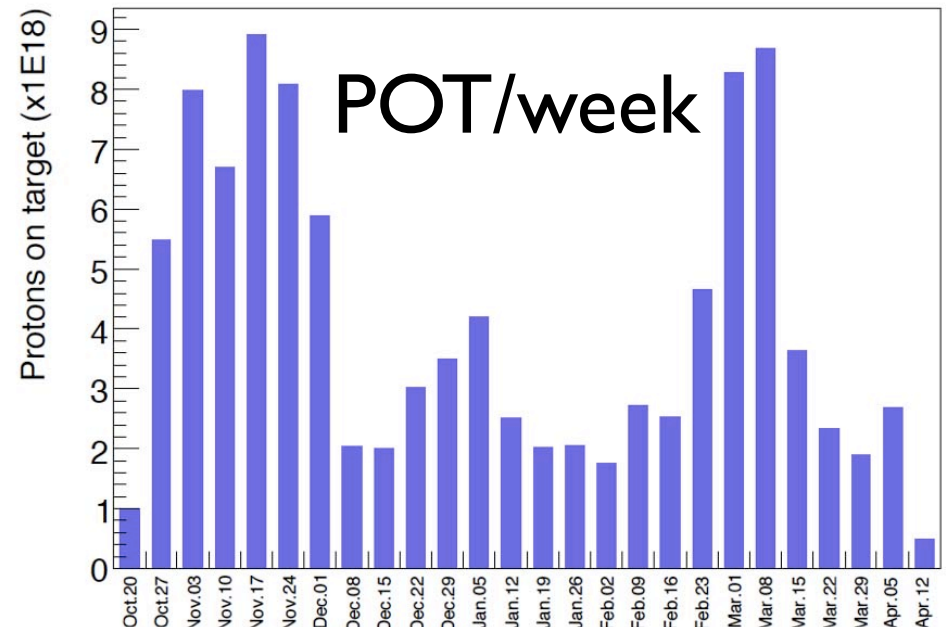
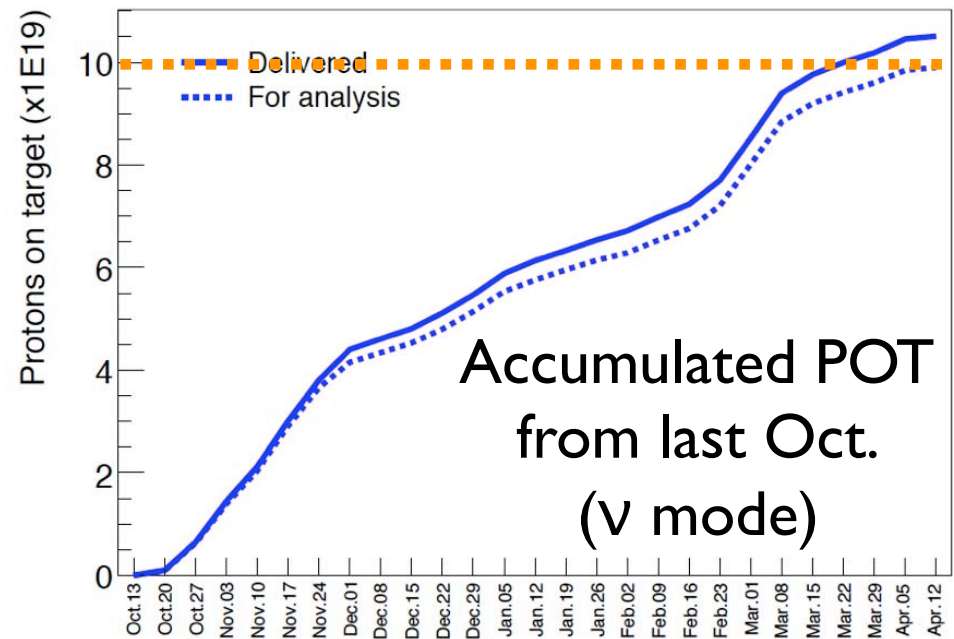
All Experimenters Meeting

# Weekly summary: Apr. 6-13

- Booster Neutrino Beam
  - Decided to start horn switch work on Apr. 9 (originally scheduled from today) because of MP02 magnet exchange
  - Amazing progress: resume beam today!
- SciBooNE detectors
  - No major problem
  - Detector 'uptime' (fraction of delivered/recorded POT) last week : 98.8%
  - HV off during 'no beam' period  
→ now up and running

# POT summary

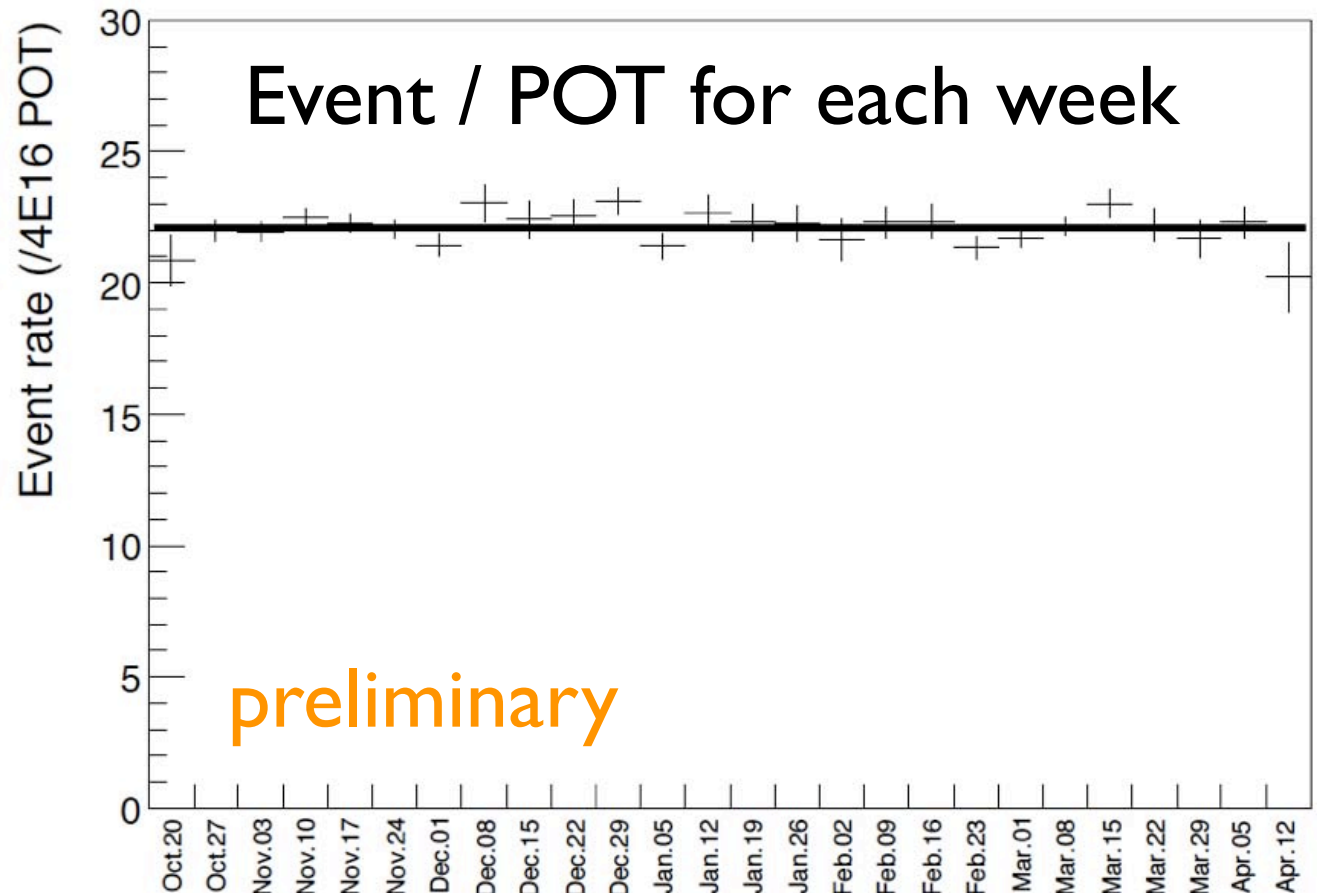
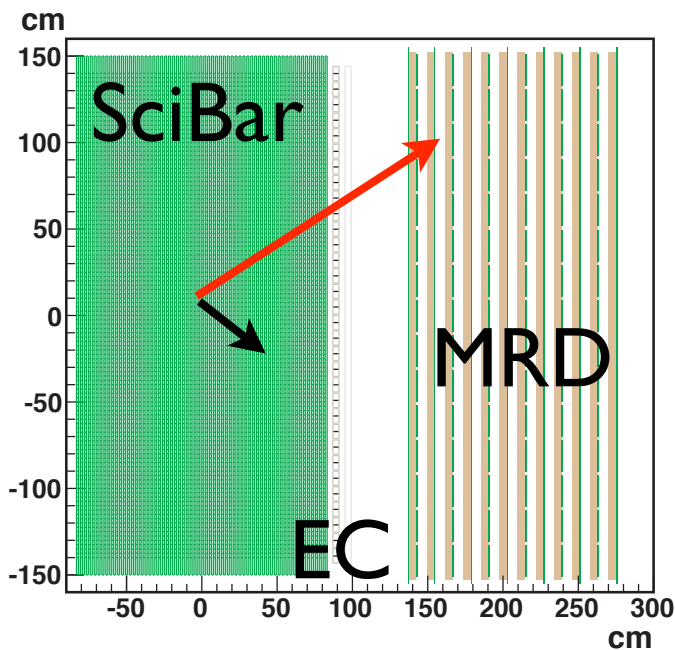
- Last week (~Apr.8)  
Delivered:  $0.49E18$   
Recorded:  $0.48E18$
- $\nu$  mode total:  **$0.99E20$**   
POT usable for physics
- **Completed  $\nu$  mode running!**
- Thanks to AD for providing us excellent beam!



# Event rate / POT

- Charged current event candidates inside SciBar.
- Beam/detector operation stable throughout

V mode running  
(Oct. 07-Apr.08).

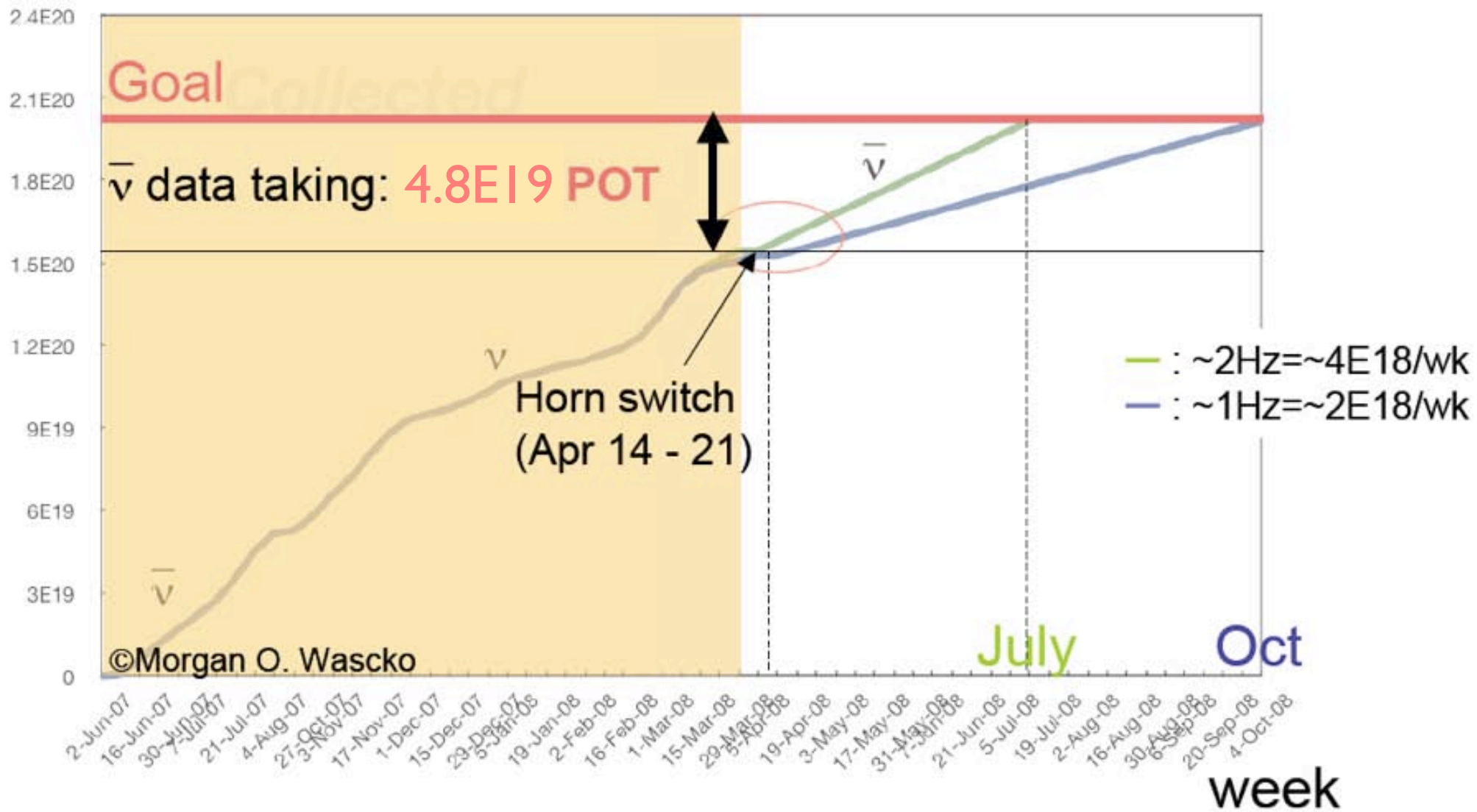


# Plans

- This week:
  - Complete horn polarity switch work.
  - Back to running with anti- $\nu$  mode.
- Future:
  - Complete taking anti- $\nu$  data by ~summer.
  - First physics result also in this summer!

# from SciBooNE presentation at the last PAC

Integrated POT



$\bar{\nu}$  data taking complete: → **October** ( $\sim 6$  months with  $\sim 1\text{Hz}$ )  
→ **July** ( $\sim 3$  months with  $\sim 2\text{Hz}$ )