

# AEM report from SeaQuest/E906

Andrew Chen  
U. of Michigan

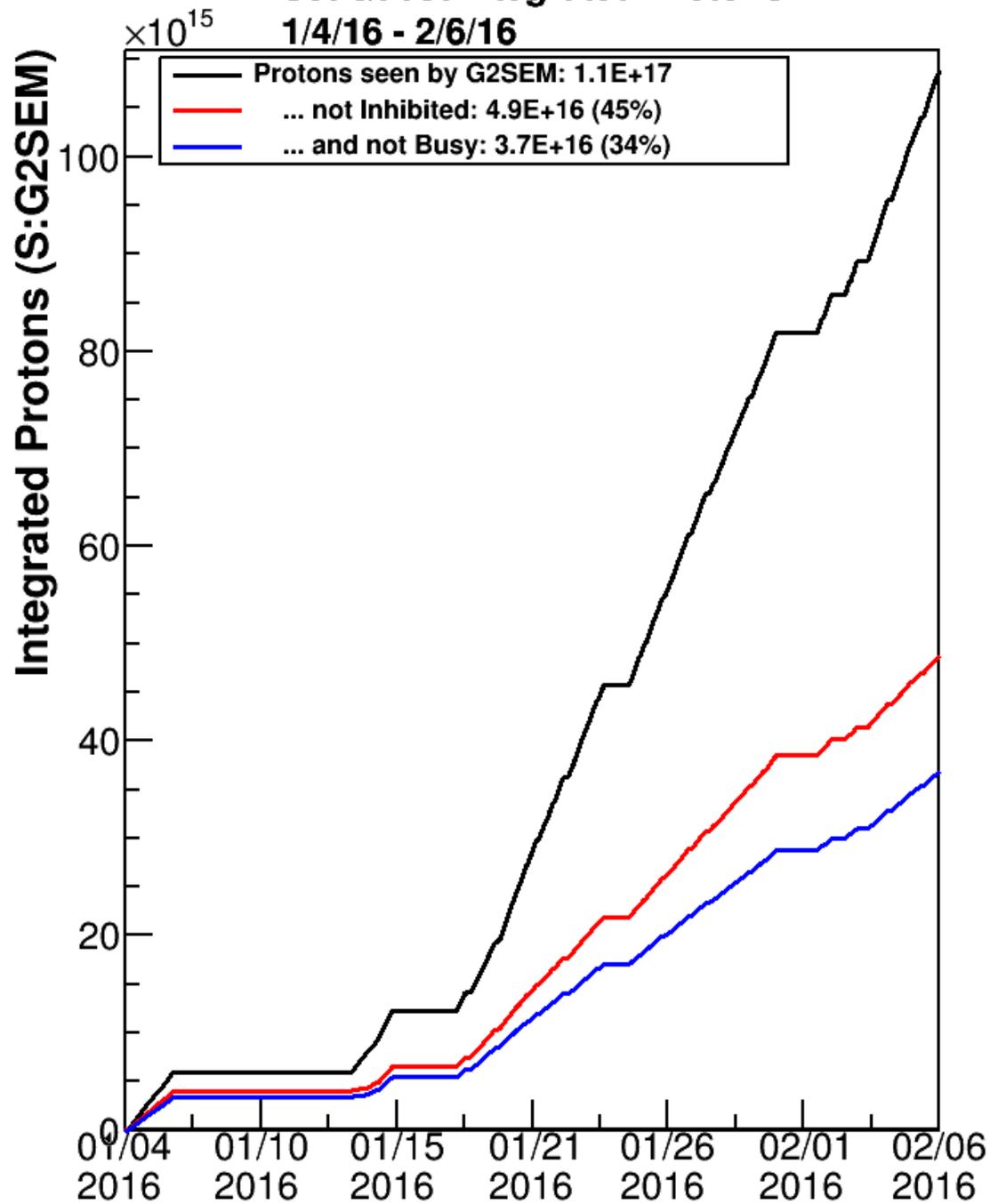
Feb. 8, 2016

# Beam

- The beam delivery has been smooth for RUN IV.
- Started taking data in Jan. 2016
- Below are plots for beam taken in RUN IV

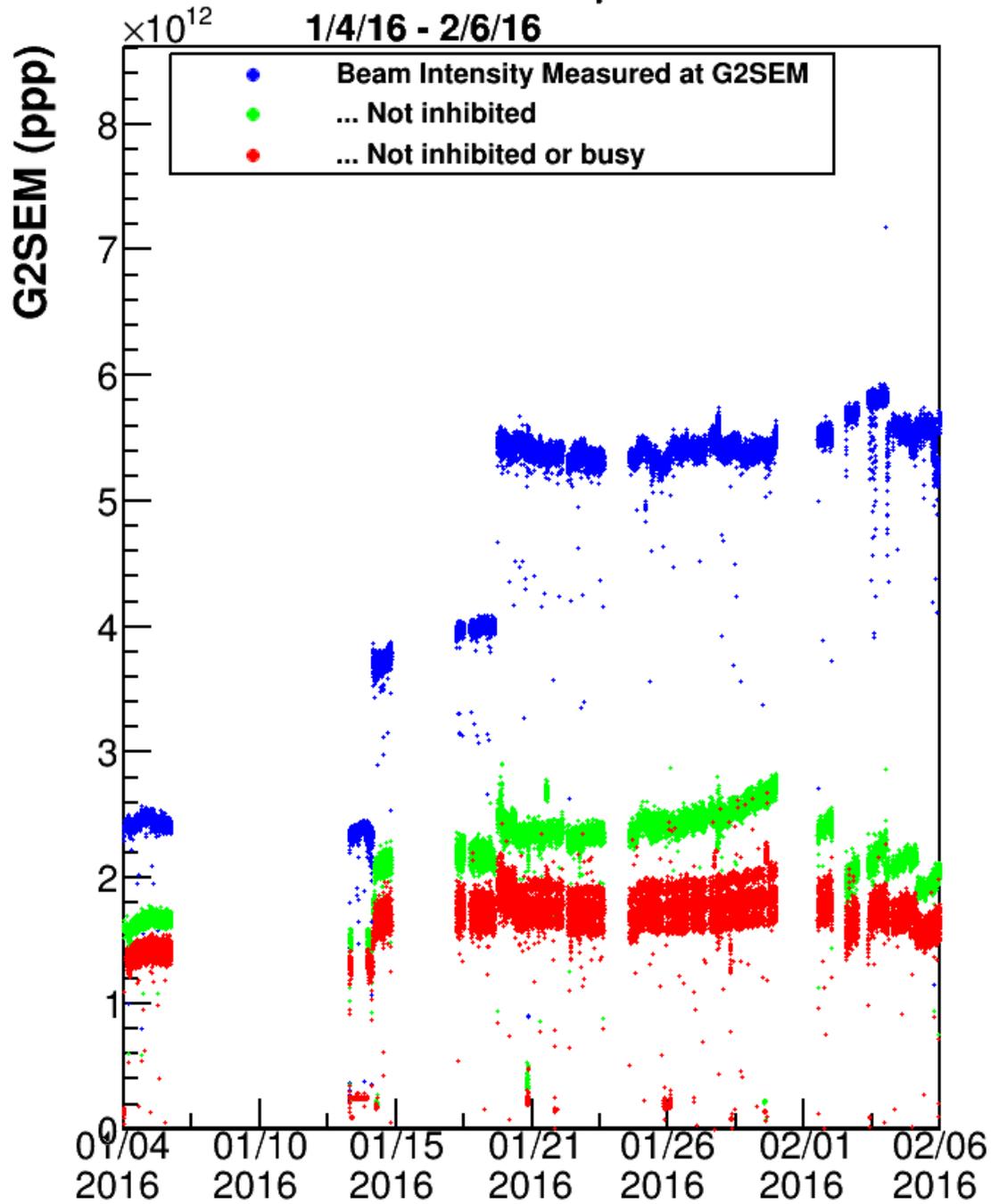
# SeaQuest Integrated Protons

1/4/16 - 2/6/16



# SeaQuest Beam per Pulse

1/4/16 - 2/6/16



# Status of the experiment

- Target:
  - Possible snow flake event happened again.
    - Pressure and temperature both fluctuated then back to normal.
    - Density should also fluctuate during the short period.
    - No effect on data taking.
- Hodoscope:
  - All are well.
  - Timing check done for trigger decision.
- Muon chambers are as good as before.

# Status of the experiment

- St. 1 chamber could no longer hold high voltage, since last Sat. evening.
  - With 15V on cathode, it gave current of 0.3 mA!
  - All ASDQ cards unplugged, situation is the same.
  - Exchange flammable gas out during the weekend.
  - Hull the chamber out to loading dock Monday morning.
  - Found broken wire inside as expected.
  - Fixing ...

# Status of the experiment

- Estimate of returning to beam taking, if everything goes on well:
  - **Wednesday!**