

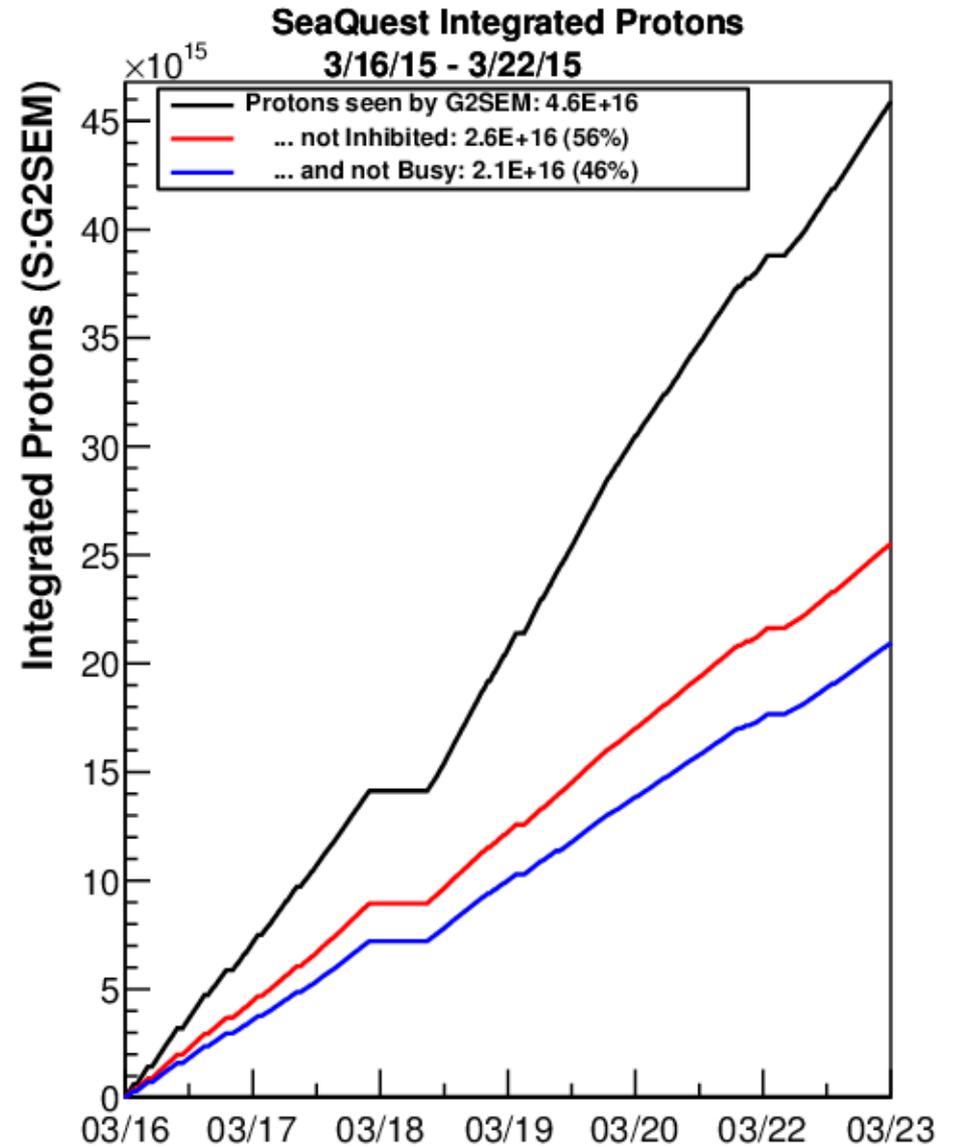
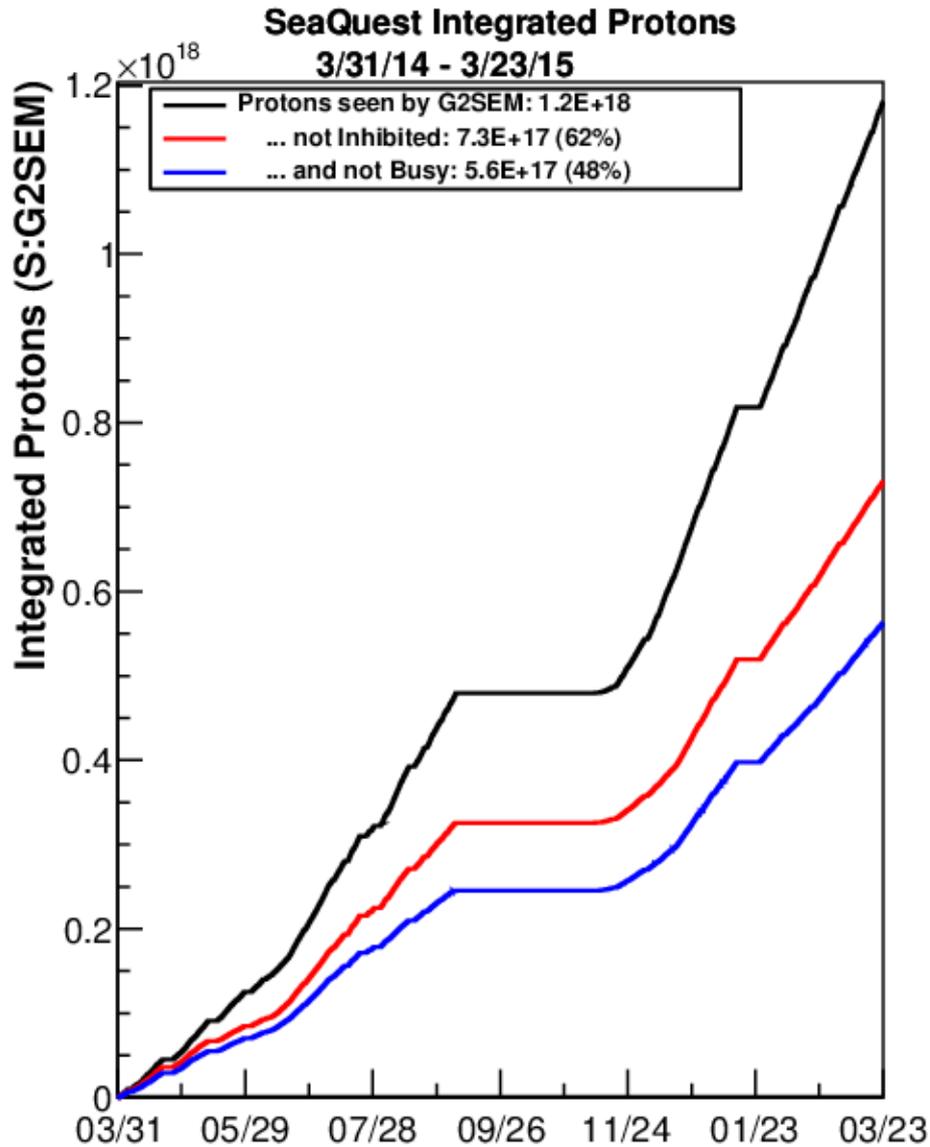
Status of E-906/SeaQuest

– an unpolarized fixed-target Drell-Yan experiment



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Production Data

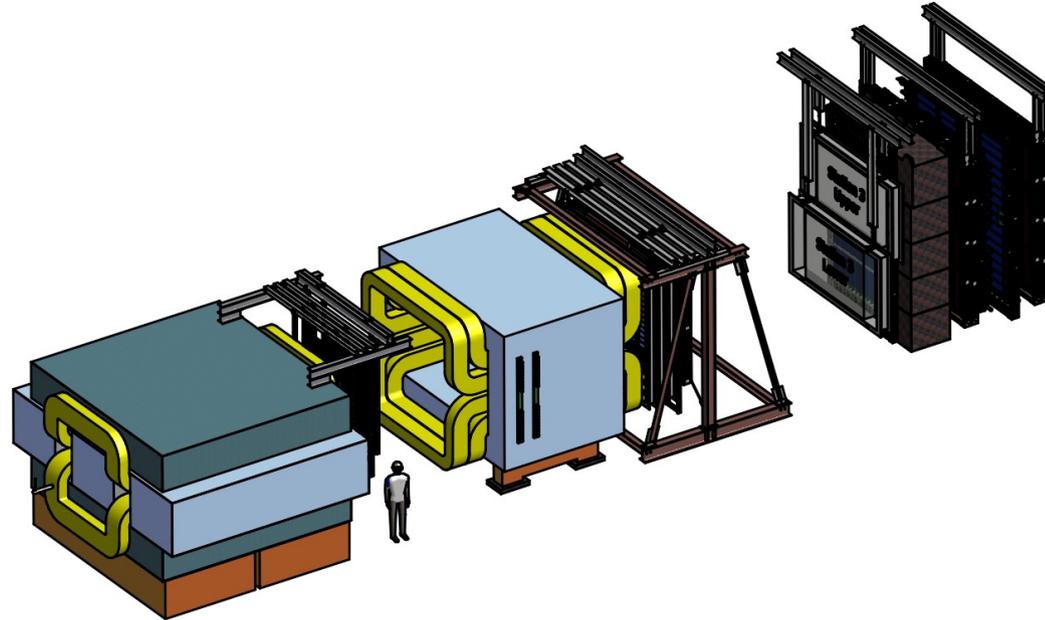


Beam status

- during last Wednesday's shutdown:
 - **maintenance of beam-line Cherenkov counter**
 - replaced mirror (0.94 micron Al on Kapton)
 - adjusted inhibit threshold to about 92,000 protons / RF bucket
- after shutdown:
 - **permission to request beam intensities up to 1E13**
 - data taking with 5-turn injection and beam intensity of $\sim 7.3E12$:
 - live protons 4-turn injection: $2.9E12$
 - live protons 5-turn injection: $2.7E12$
 - resumed data taking with 4-turn injection after radiation monitor study by AD

Spectrometer Status and Plans

Operational



Target

installed new UPS during Wednesday shutdown; **on Tuesday evening temperature of liquid D2 (LD2) target rose until target was gone**, unnoticed by shift crews and target experts as speakers of target alarm system were disabled (single point of failure; fixed), LD2 removed from target rotation, expected to be back by tomorrow (Tuesday);

FMAG and K MAG

working well

Hodoscopes

working well, also at $7.2e12$

Drift Chambers

working well, also at $7.2e12$

DAQ

Linux-VxWorks hybrid DAQ running stably, frequent DAQ resets required due to problems with old ROCs, new ROCs ordered