

Status of E-906/SeaQuest

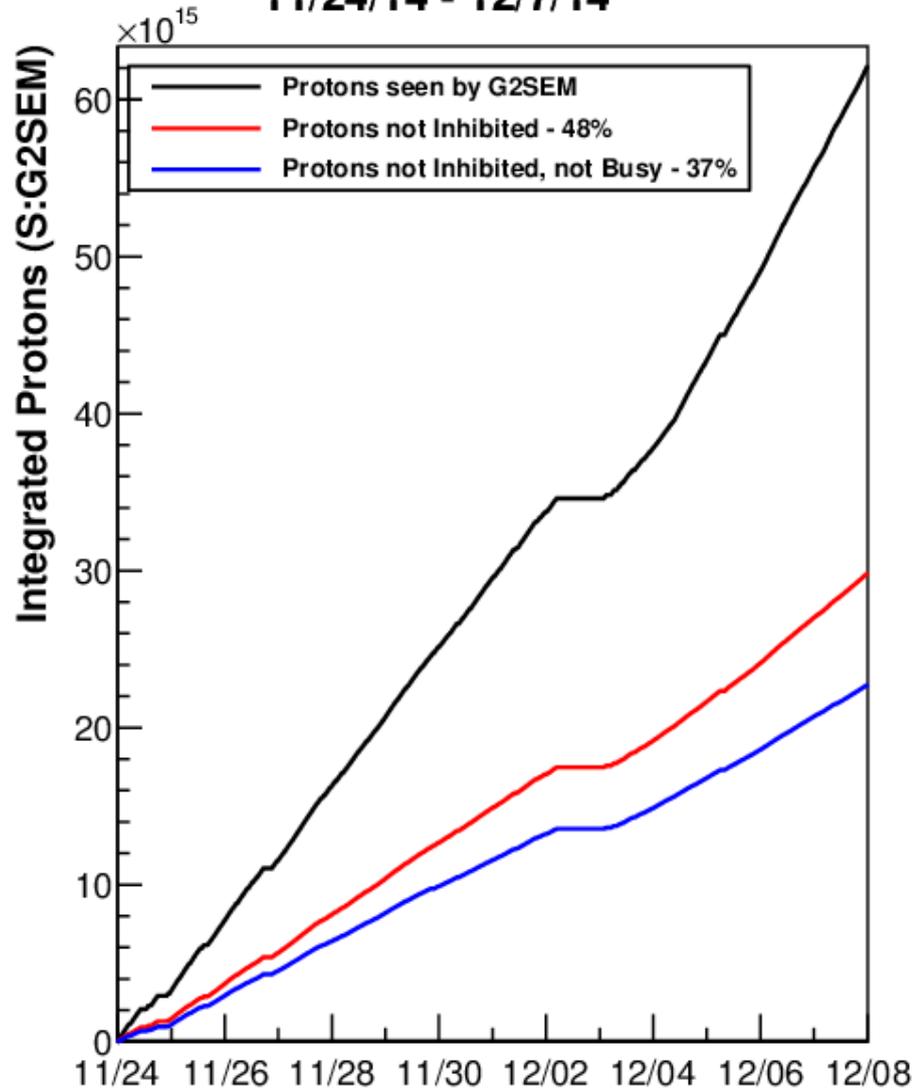
– an unpolarized fixed-target Drell-Yan experiment



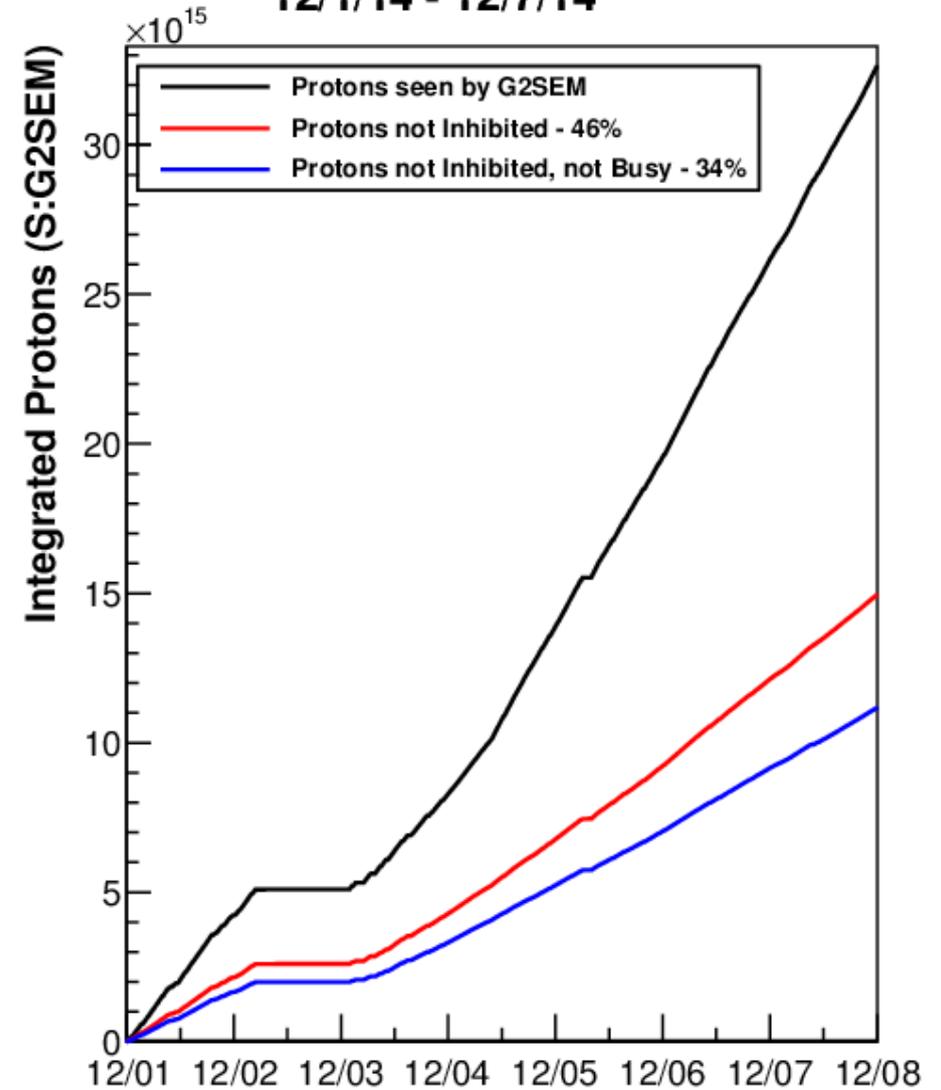
Markus Diefenthaler (UIUC)

Run III – Production Data

SeaQuest Integrated Protons
11/24/14 - 12/7/14

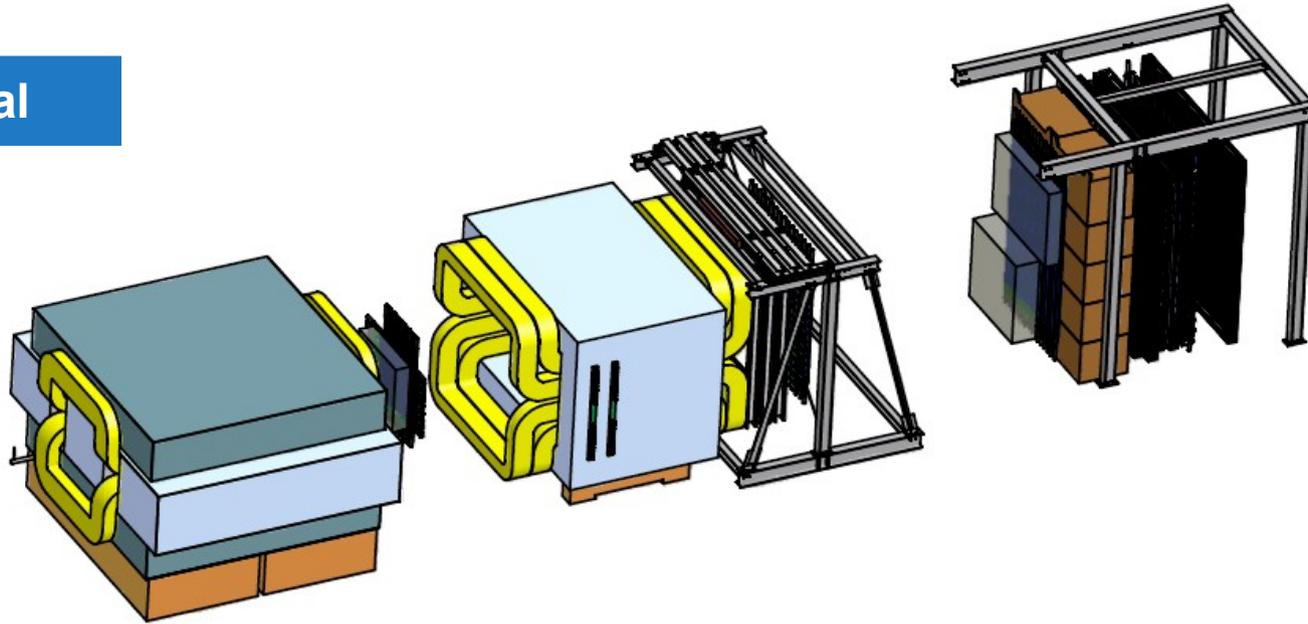


SeaQuest Integrated Protons
12/1/14 - 12/7/14



Spectrometer Status and Plans

Operational



Target

serious problem with target table motion during week 48, **fixed** beginning of week 49 by tuning magnet sensor closer to a proximity switch and decreased target motion speed;

FMAG
KMAG

discussing the possibility to change the polarity of FMAG and KMAG as a measurement of systematic effects

Hodoscopes

working well

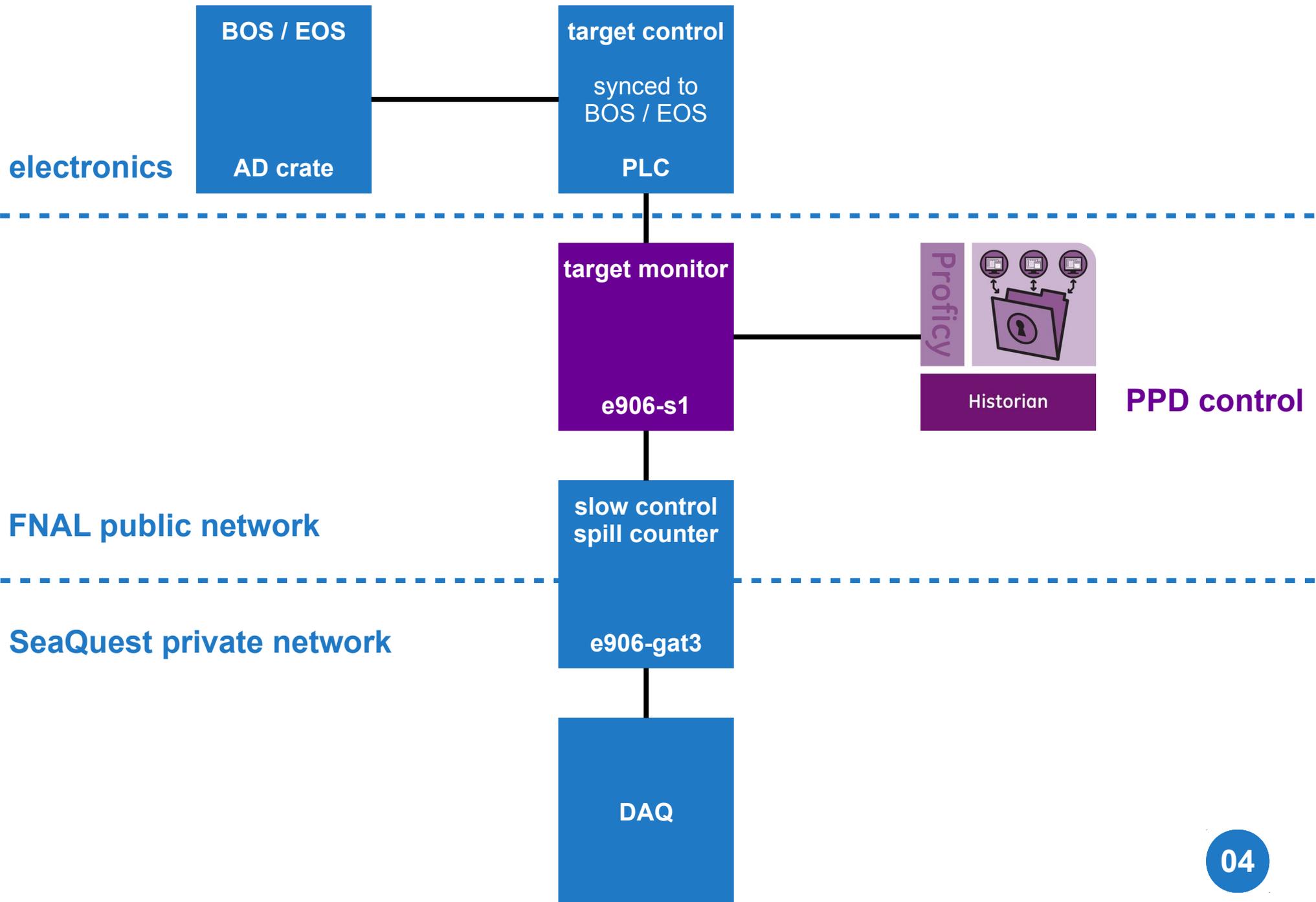
Drift Chambers

working well, work in progress on new D1 chamber in Lab 6;

DAQ

continuous data taking, deadtime $\approx 140\mu\text{s}$, instability of various VME crates are being addressed, **serious problem**: server **e906-gat3 blocked from network** for 30min \rightarrow no spill information, no target information;

The role of e906-gat3



Upcoming results

- data taking:

• 02/20	09/05	11/08 – <i>summer of 2016</i>
• start of physics Run II	fall shutdown	Run III

- Run II data sample has been analyzed:

5% of total
expected luminosity

