

Status of E-906/SeaQuest

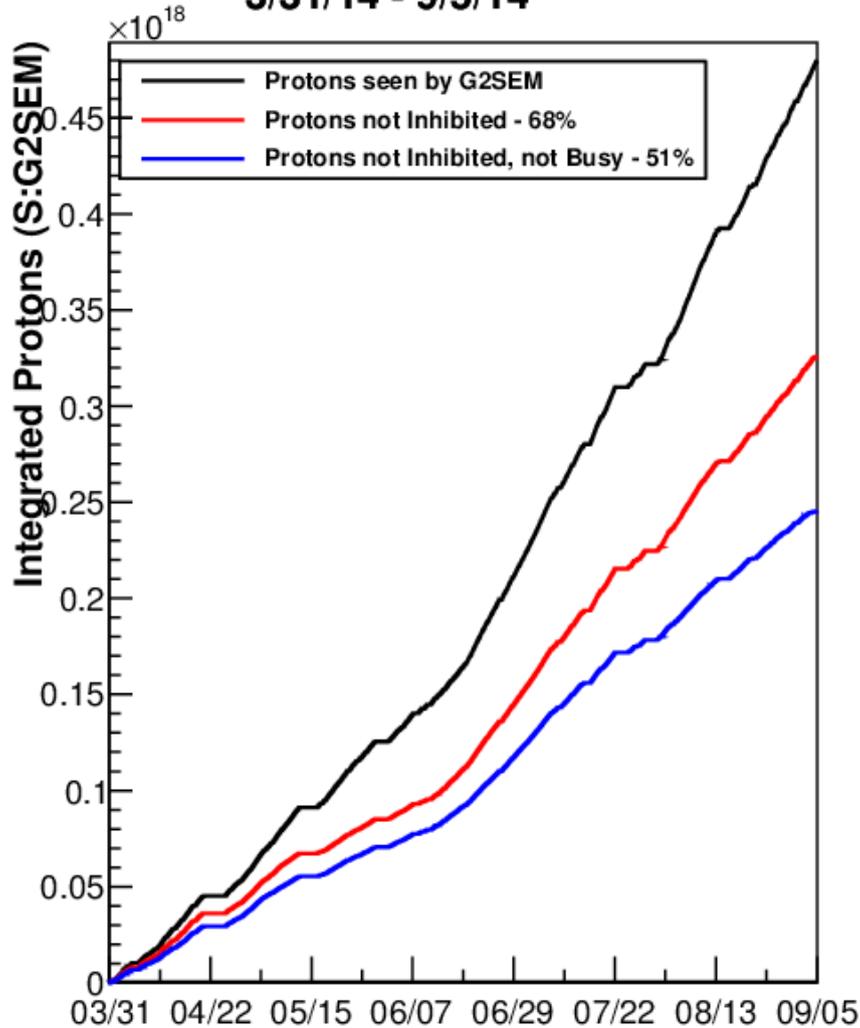
– an unpolarized fixed-target Drell-Yan experiment



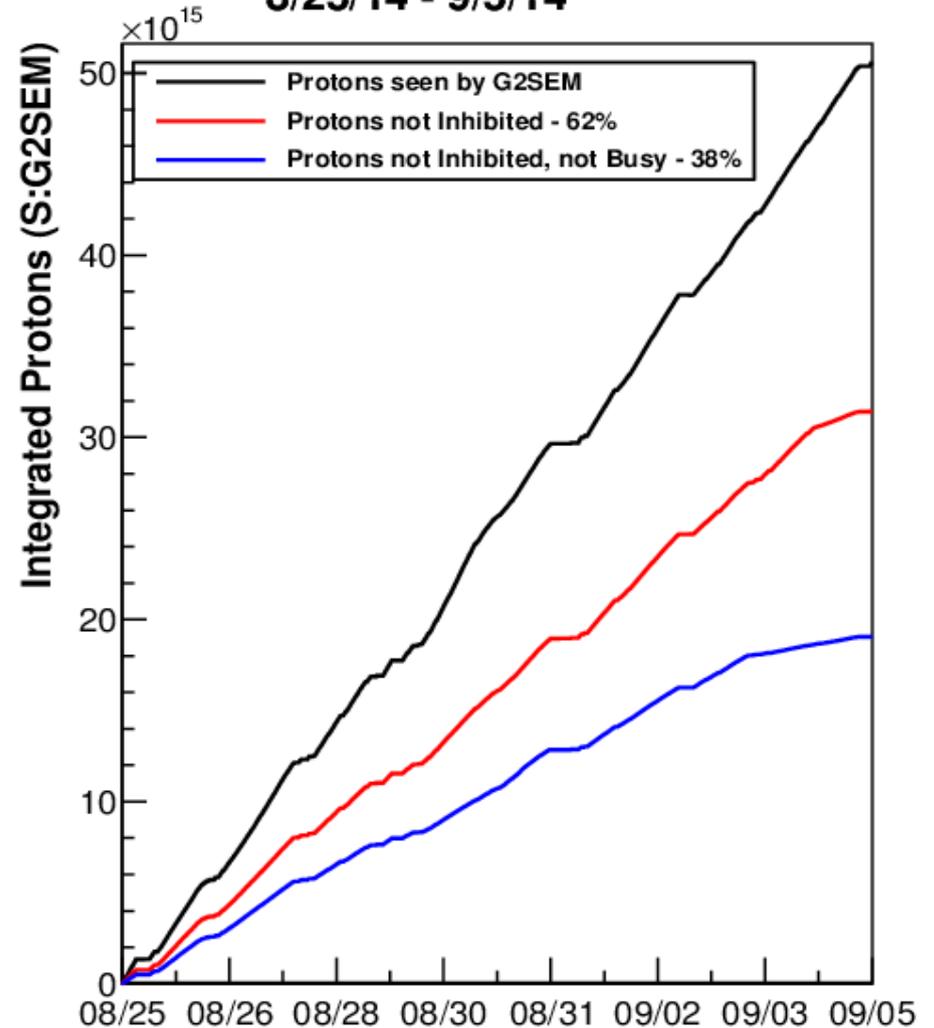
Markus Diefenthaler (UIUC)

Data Taking

SeaQuest Integrated Protons
3/31/14 - 9/5/14



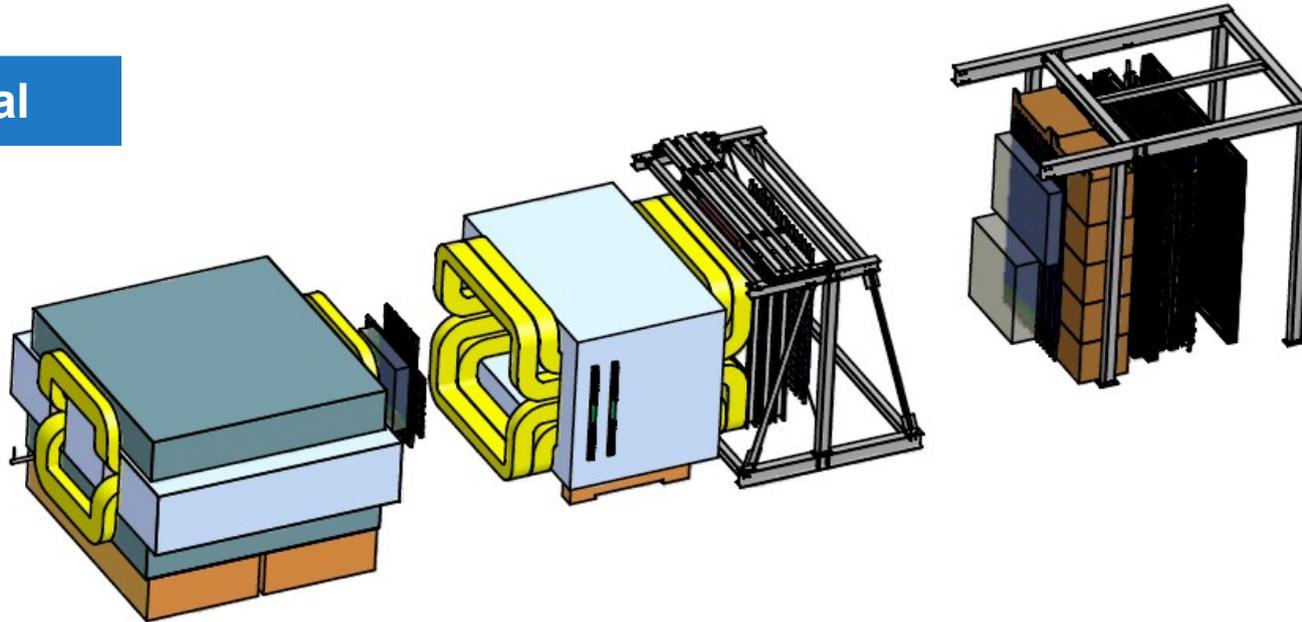
SeaQuest Integrated Protons
8/25/14 - 9/5/14



various calibration runs, e.g.,
straight-through protons,
various magnet configurations
J/Psi test runs at FMAG half field

Spectrometer Status and Plans

Operational



Target

warmed up for shutdown, cryo-systems: 10K hour maintenance; cold-head assemblies: replacement of seals; mechanical pumps: maintenance; failed vacuum gauge: replacement; sensors: identify source of intermittent electrical problems

FMAG, KMAG

ramped down for shutdown

Hodoscopes

turned off for shutdown, possible re-positioning of the H1 arrays to reduce background rate, inspect selected PMT for noise

Drift Chambers

turned off for shutdown, installation of new D1 from UCB: repair of 40 broken wires, installation of electronics, HV training, commissioning in the hall

DAQ

idling during shutdown

Trigger

identify source of RF jitter of 2ns (NIM module?)

Status of the Analysis

- data taking:

02/20	09/05	after fall shutdown
start of physics run	fall shutdown	continue physics run

- presentation of first preliminary physics results at DNP 2014
- track and dimuon reconstruction** (from small data sample):

