

# **Status of E-906/SeaQuest**

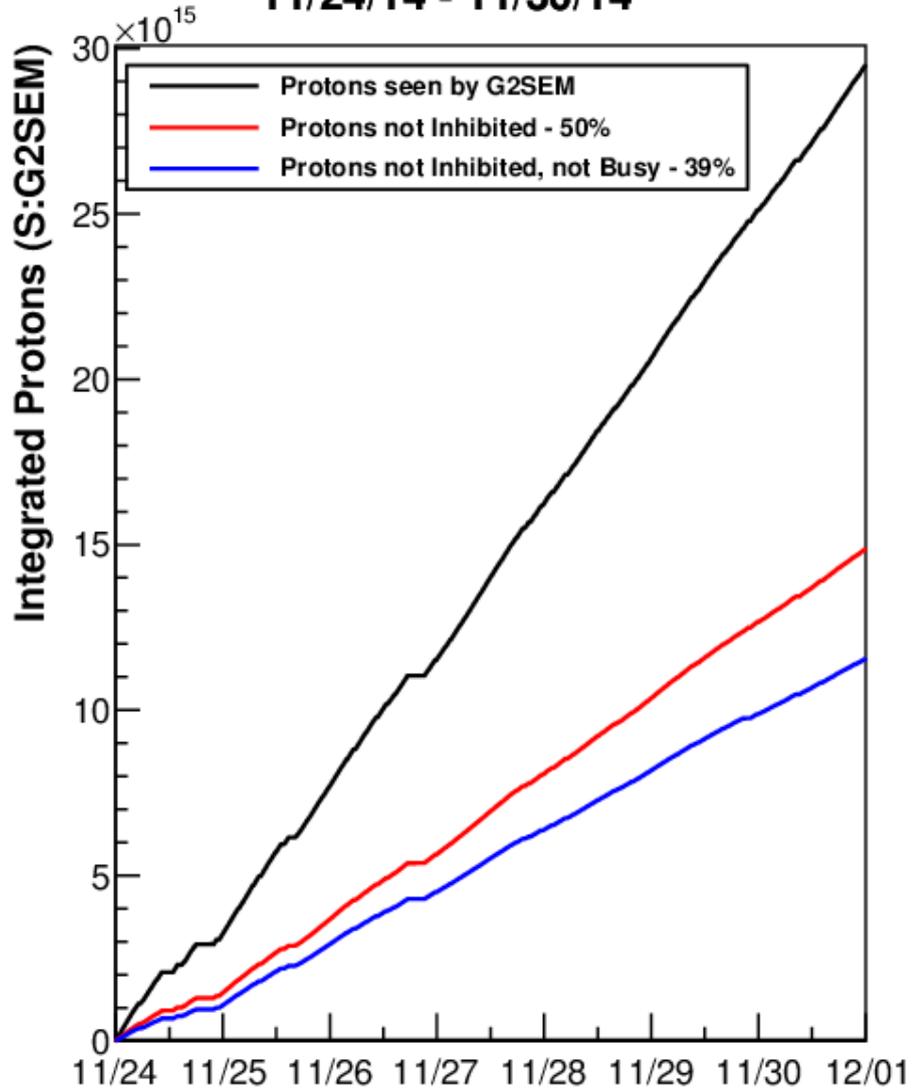
**– an unpolarized fixed-target Drell-Yan experiment**



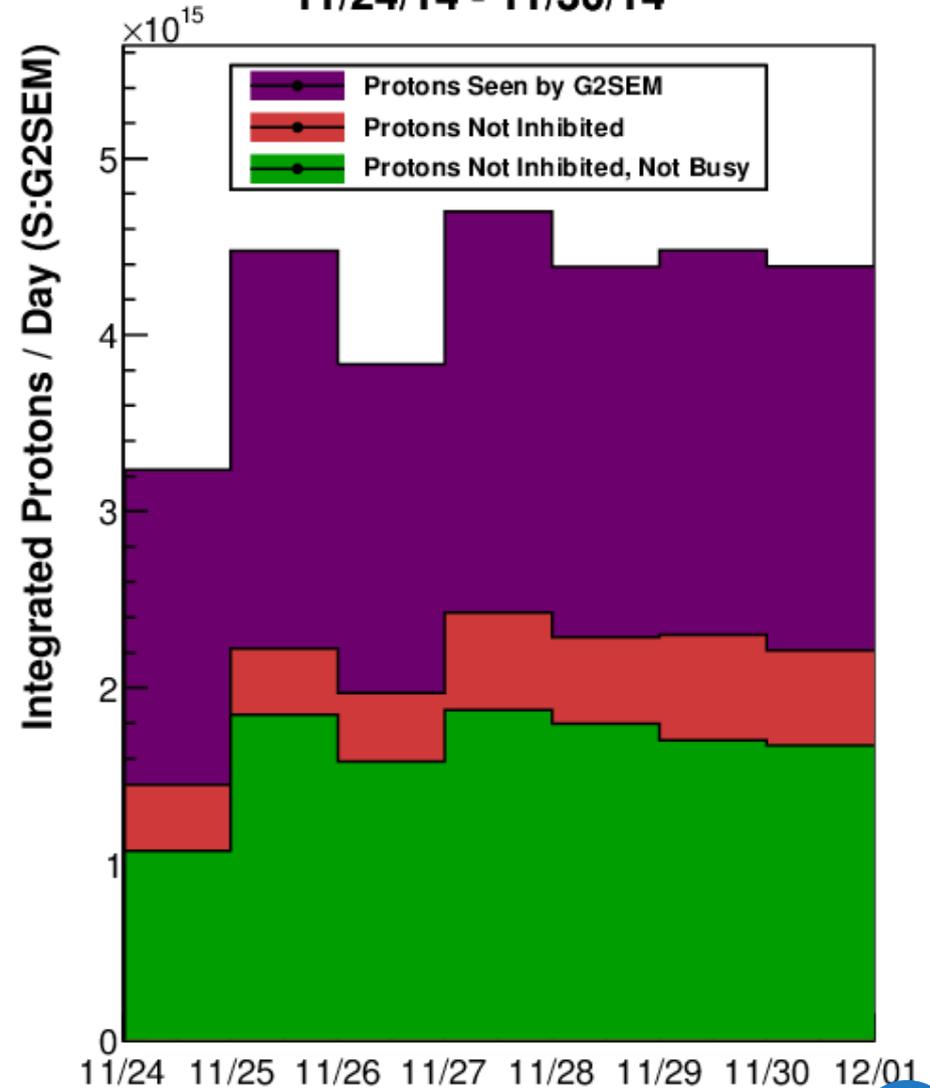
**Markus Diefenthaler (UIUC)**

# Run III – Production Data

SeaQuest Integrated Protons  
11/24/14 - 11/30/14

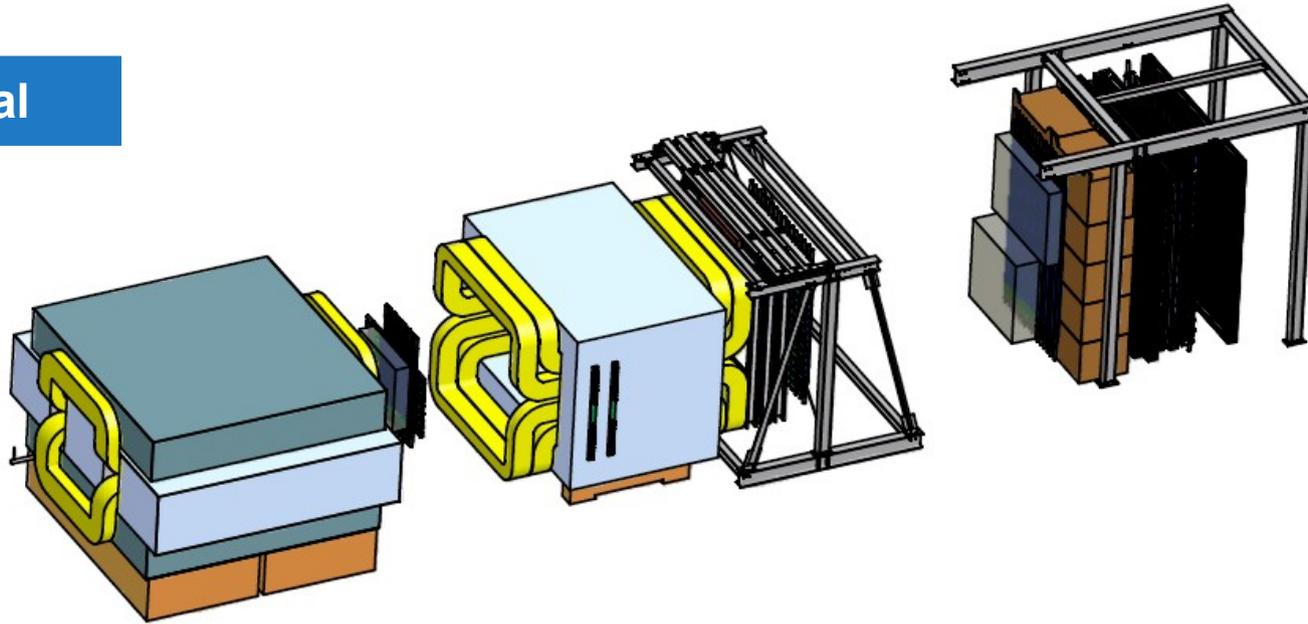


SeaQuest Protons per Day  
11/24/14 - 11/30/14



# Spectrometer Status and Plans

Operational



**Target**

serious problems with automated target table motion starting from 11/26, changing target types (LH2, LD2, C, Fe, W) manually every hour

**FMAG (2000A)  
KMAG (1600A)**

plan to change polarity during 12/02 shutdown due to booster cavity swap

**Hodoscopes**

working well

**Drift Chambers**

working well

**DAQ**

continuous data taking, deadtime  $\approx 140\mu\text{s}$  (when trigger diagnostics disabled), instability of various VME crates will be addressed, problem with CODA stopping recording events

# 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

