

E906/SeaQuest

AEM Meeting 8/12/2013

Kazutaka Nakahara

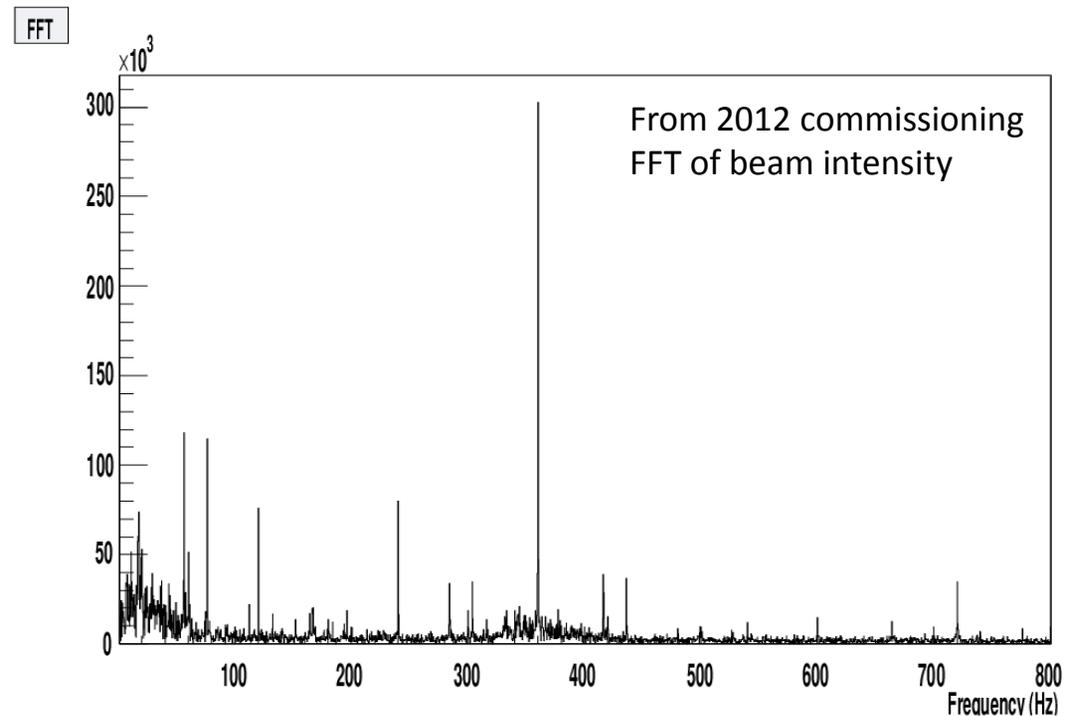
University of Maryland College Park

Beamline

- sleeving of berm pipe in progress:
 - First six pipes welded, cleaned, vacuum checked, and pulled successfully
 - Next five pipes welded. Passed leak check, pickling&pasting today. Pull this week.
- magnets/instrumentation need to be re-installed into the SeaQuest beamline
- beam late October (?)

Test Beam

- Plans are underway to monitor beam quality at the Test Beam area @53MHz.
- Various instrumentation in the process of being installed.
- Beam at MTest in a few weeks.



Targets



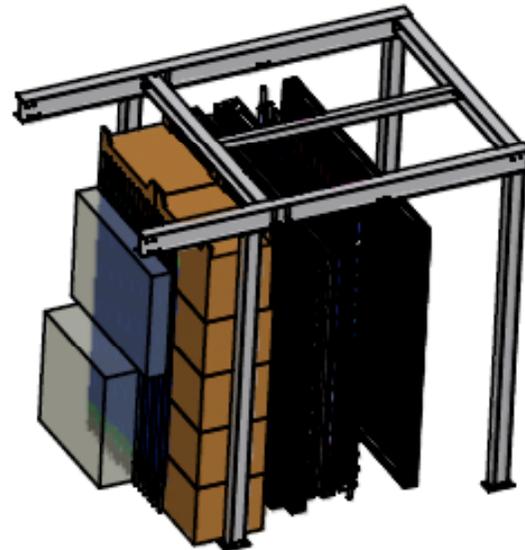
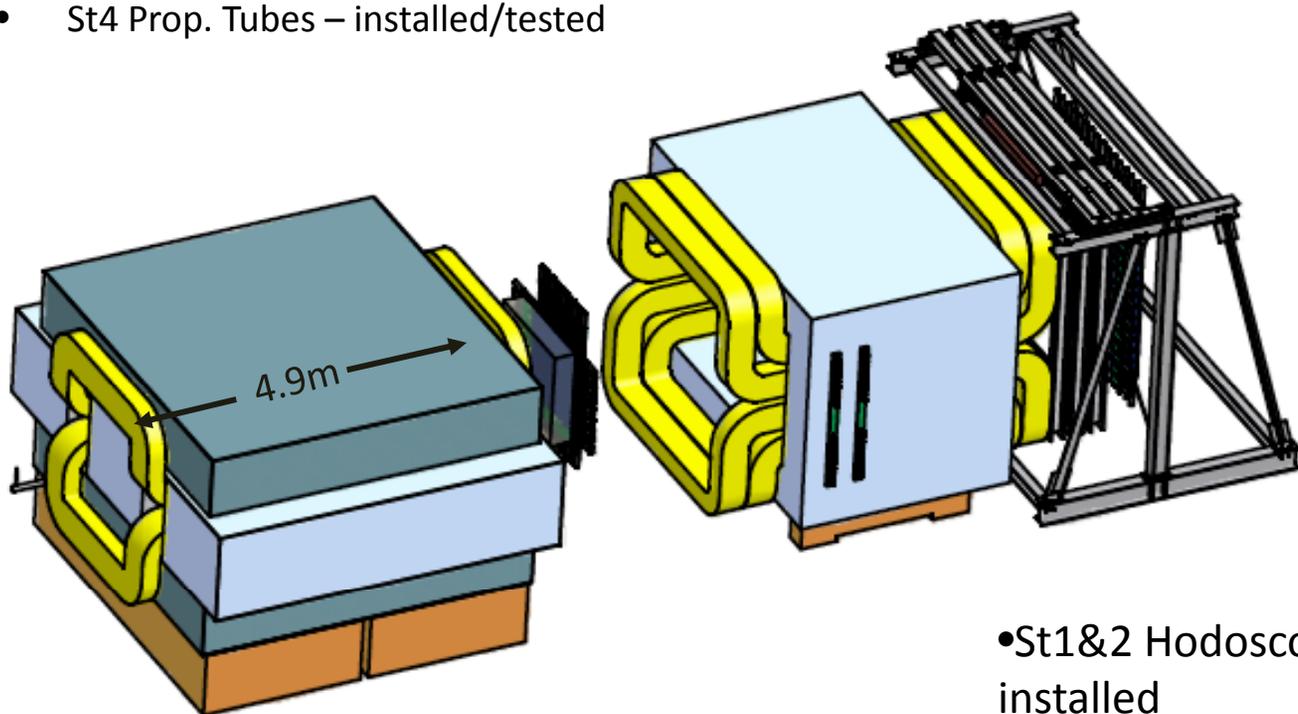
Target Safety Committee Walkthrough:

- ✓ install/test flammable gas detector above the pump carts
- ✓ install vent fan on pump carts
 - awaiting installation of additional power outlets
- ✓ close electrical boxes on pump carts
 - cap signal connectors

Detectors

- “Old” St1 Chamber – repaired – 1 plane installed
Planes 2 and 3 installation this week
- “New St1 Chamber – wiring in progress (est. completion ~ October)
- St2 Chamber - installed
- St3+ Chamber – installed
- St3- Chamber HV installation Tuesday this week
- St4 Prop. Tubes – installed/tested

Drawing: T. O’Connor
and K. Bailey



- St1&2 Hodoscopes – new PMT bases installed
- St3&4 Hodoscopes – gain matching/debugging with cosmics

Trigger System

- Need better understanding of our FPGA/NIM trigger systems
- Pulser bench tests on-going this week for FPGA boards.
- If successful, integrate pulser system into main data acquisition chain.