

SeaQuest AEM Update

Bryan Ramson

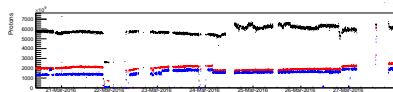
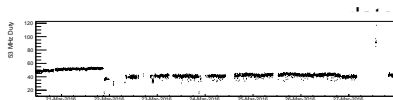
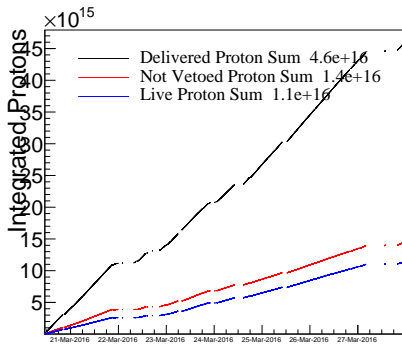
University of Michigan

March 28th, 2016

Status Summary

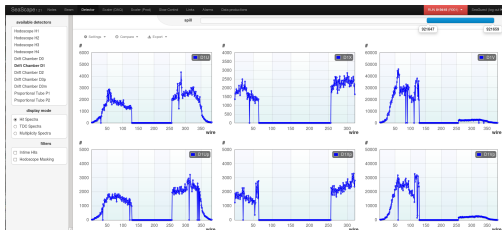
- Target - All Clear
- Hodoscopes - All Clear
- DAQ & Trigger - Various Read-Out-Card (ROC) Problems
- Chambers - New St.1 Configuration Stable

Accumulated Data



This seemed to begin with a low beam intensity run for chamber efficiency calculations.

- 1 Beam Monitor measurement was inaccurate and remedied
- 2 Two consecutive ROC failures
- 3 Improper DC1 operation related to configuration of ROCs
- 4 Replaced Trigger Supervisor ROC, no change but shift of TDC timing
- 5 Replaced removed TS ROC, solution of TDC shift came from replacing faulty TDC card



Drift Chambers

- Efficiencies for DC0 look great, $> 97\%$ for all planes.
- Efficiencies for DC1 incoming.
- Multiple trips of DC2 with beam changes but no lasting issues.

Various temporary problems solved. Finalizing new Station 1.
Data taking is ongoing.