

# Status of E906/SeaQuest 10/27/14 - 11/02/14

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# Target Maintenance

- Rerouting of plumbing around the new shielding wall completed
- Several problems solved with hydrogen target system
  - Electronics for cold cathode vacuum gauge repaired
  - Grounding problem with diffusion pump repaired
  - Longstanding vacuum gauge problem repaired
- Hydrogen system tested and then warmed up
- Maintenance of four mechanical pumps complete - many thanks to AD Vacuum group and PPD Engineering Support
- Walk-through conducted with safety committee
- Generator is installed to prepare for the power outage, except the switch-over - we are very grateful for the support from AD and FESS

# Spectrometer readiness

- Station-I MWPC: wiring is completed!
- Both FMag and KMag ramped up successfully
- HV of all existing detectors (chambers/hodos/prop tubes) are set to slightly lower than normal
- DAQ restarted successfully with a fake BOS/EOS signal
- Extended cosmic run test (~ 2 days) indicates all detectors are working as expected

*Everything in NM4 is ready to roll!*