

Bo VST Meeting Report

11/18/12

Ben Jones

Interlock

- Interlock box tested in situ, found that box triggered at wrong argon levels, found that issue was confusion between “probe length” and “active probe length”
 - Recalibrated and tested again, with argon. Box trips at correct point and provides dry contact. Relay box also functioning properly.
- HV trip successful. However, resetting trip not yet successful, despite much work from Gennadiy + Ben
- Finally found problem to be D0 crate software. Chip to be reprogrammed to allow software interlock reset.
- Geoff Savage helping us implement a solution. Not a simple job.

Filling

- Bo now full.
- I gave the system a quick once-over on Saturday to see if everything still works.
- One PMT apparently nonfunctional. Problem seems to be inside cryostat (sigh).
- This is odd, because we have not opened since last fill, when everything was working.
- Hopefully Teppei and I can understand the problem today / tomorrow.

Nitrogen Study

- Cryo safety review for LN2 condenser just finished, so no technical progress on LN2 injection yet.
- Our cryo scheme has been reviewed and OK'd by Cary, January readiness seems ok. I will keep pushing for this.
- Need to order pre-mix for injection asap. What concentration?
- I am also working on gas-sampling stat mech calculations now.

Action Items for This Week

- D0 crate reprogramming for interlock
- Understand PMT2 problem
- Order pre-mix
- Test readout chain with rebuilt rack
- 1PE measurement script from Matt
- Rate vs PE again, to see if anything has changed
- Put together muon telescope for spallation