

LAr R&D Progress Updates

Yichen

12/16/25



260L LAr Test Stand

► Annual QCP Audits

- Completed all the audits for with Volodya, Shanshan, Lingyun and me
- We are good for another year

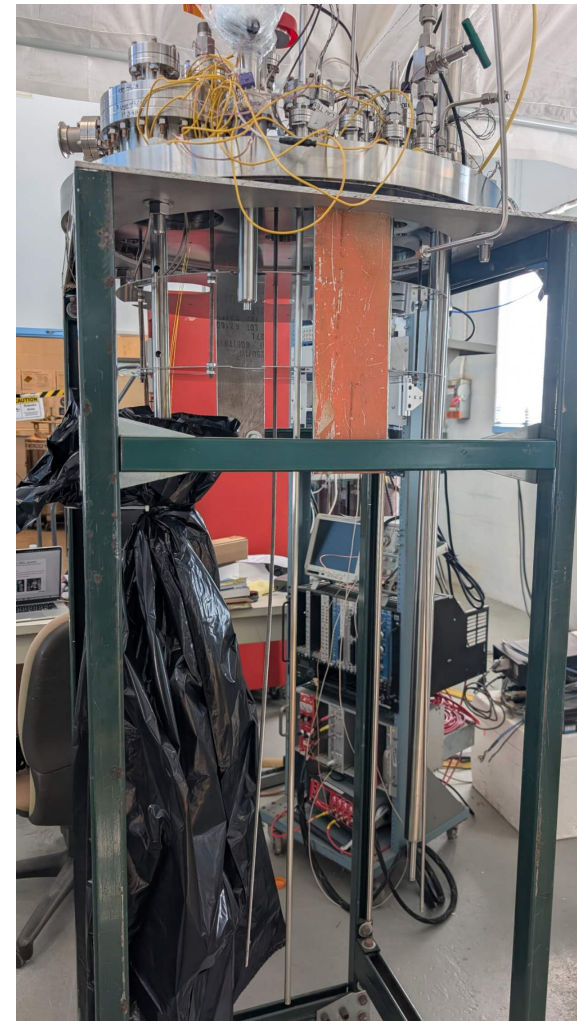
► High bay temperature

- Lowest temperature observed indoor is 38F
- The steam team is here today to fix the space heater
- The issue is expected to be resolved soon



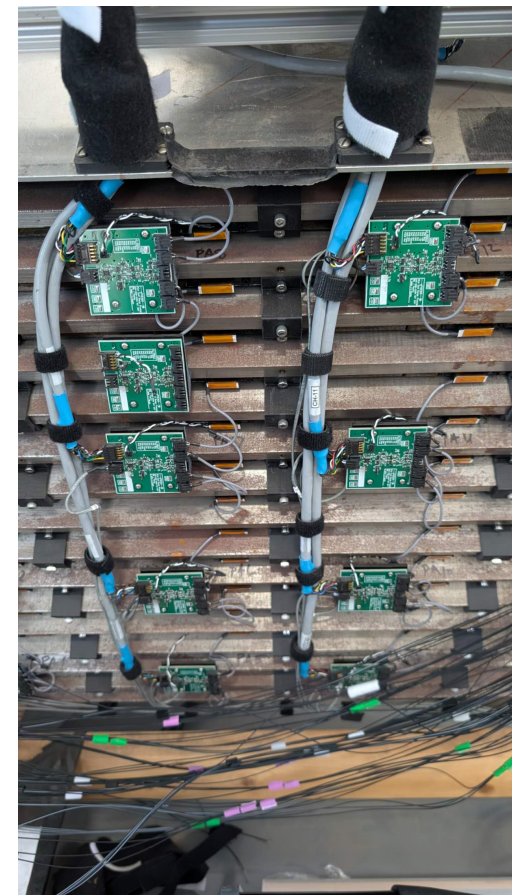
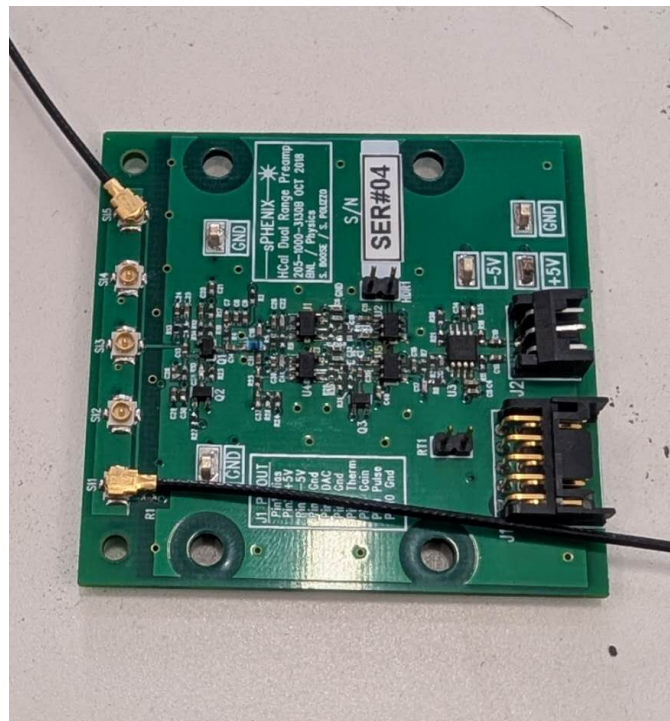
260L LAr Test Stand

- The system has been opened up
- The top flange has been moved to the assembly stand
- The interior of the system looks very clean
- Working with Russ to machine the sample holding plate for cryogenic test
- Cleaning up the conflat part found with ultrasonic bath



SiPM test in 260L system

- Looking for spare readout electronics board for SiPM
- The designer retired and technician took over is not familiar with the board
- Reached out to John Haggerty who in charge of sPHENIX Hcal for assistance
 - There should be plenty of the boards around
 - One setup is in highbay, for which I conducted the EEI inspection



pTP paper and LDRD-C pre-proposal

▸ **pTP paper to JINST**

- Paper draft sent to Bob and Bill for comments
- I've addressed most of the comments from Mateo for the pTP coating paper
- Expected to start the collaboration review next week

▸ **LDRD-C pre-proposal**

- I just added some cosmetics words
- Deadline is on Dec. 18th