

LAr R&D Progress Report

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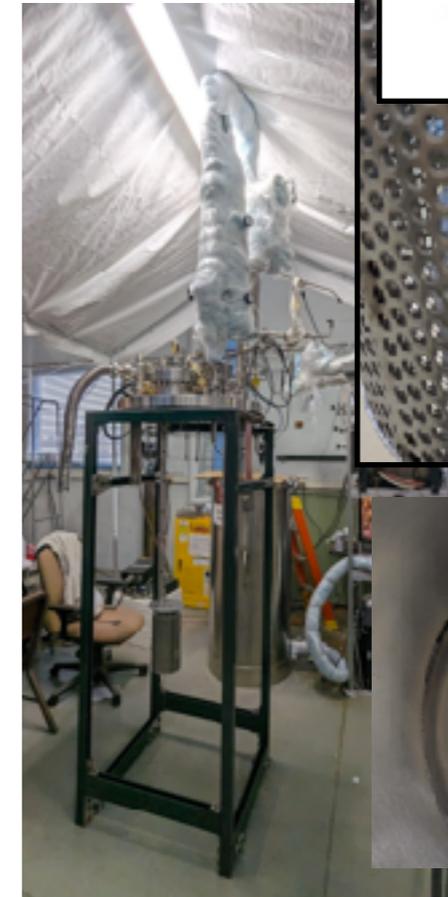
Lab Safety and Space Management

- High Bay overhead lighting repair
 - The 4x lights on top of our area are still not fixed due to a lack of parts
 - The lighting condition in the lab is sufficient for work in the evening now
- High Bay facility issues
 - No heating in the lab now, temperature < 60F in the morning
 - Roof leak above our tent found during the weekend
 - Contacted building manager Tom, no answer yet
- 6000-gallon LN2 plumbing
 - MPO provided a quote for the service, \$31k
 - Volodya has submitted the PO to proceed
 - The RTS station is expected to deliver to BNL on Nov. 15th
 - Final cleaning of the end room in high bay



260-L System

- The system was opened up and brought back to the assembly stand
- The crane operation now is smooth with more experience
- Some dark powder found at the bottom of the dewar similar to the previous run from the inline filter pellet
- Some powder accumulated on the PrM cathode
- Will add in a particulate filter on the fill line in the next fill



PrM commissioning

- PrM commissioning
 - The priority for the is to get the PrM reading in LAr in the next run
 - Nitish had plenty of experience with PrM and he kindly agreed to help with the task, meeting with him at 3pm
 - We will make sure the PrM works properly in the next run
 - Threaded rods for the instrumentation support received, going to trim to the proper length
 - Supporting structure modeling in progress



CPAD 2023

- CPAD 2023 at SLAC 11/7-11/10
- The abstract “High-performance Dichroic Filters Development for Large-Scale Neutrino Detector” was accepted in the poster session of RDC 2 photodetector, Nov. 7th
- I’m going to attend in person
- The poster draft will be sent out for comments and suggestions by tomorrow
- Lab poster printing service has been booked from printout on Friday

LXe collection for PIONEER

- The PIONEER test at PSI for LXe prototype is going to be postponed to 2025
- Cylinder quote updated, with slight increase from \$595 to \$650
- Lead time is 4-5 weeks