

LAr R&D Progress Report

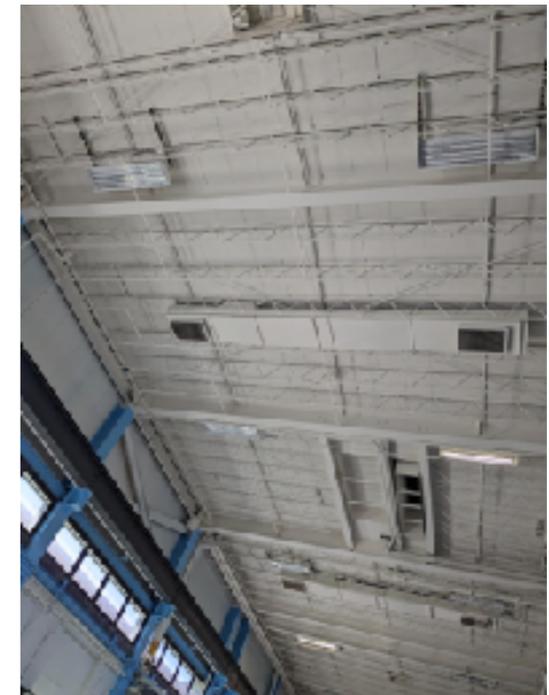
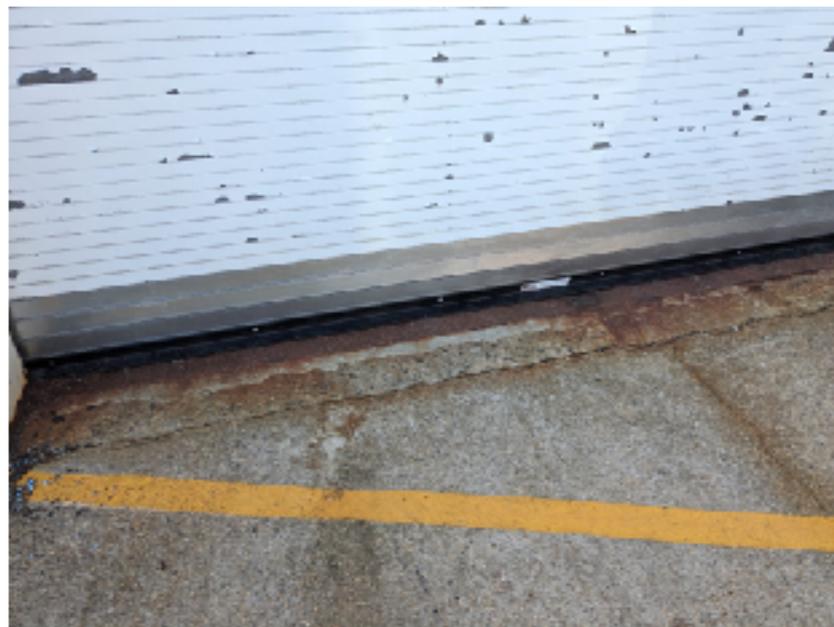
Yichen, Sergey, Steve

9/12/23



Lab Safety and Space Management

- Crane Ladder Replacement and Crane access
 - The crane stop switch installation work order has been completed
 - The crane and ladder have been inspected and approved
 - Normal access to the crane resumed
- HighBay rolling door repair
 - The contractor completed the work on the rolling door with new weather stripping
- Highbay overhead light bulb fixing
 - Just had the safety meeting with Mike Gaffney, Tom and F&O
 - The overhead light bulb will be fixed with LED replacement



6000-gallon LN2 tank plumbing project

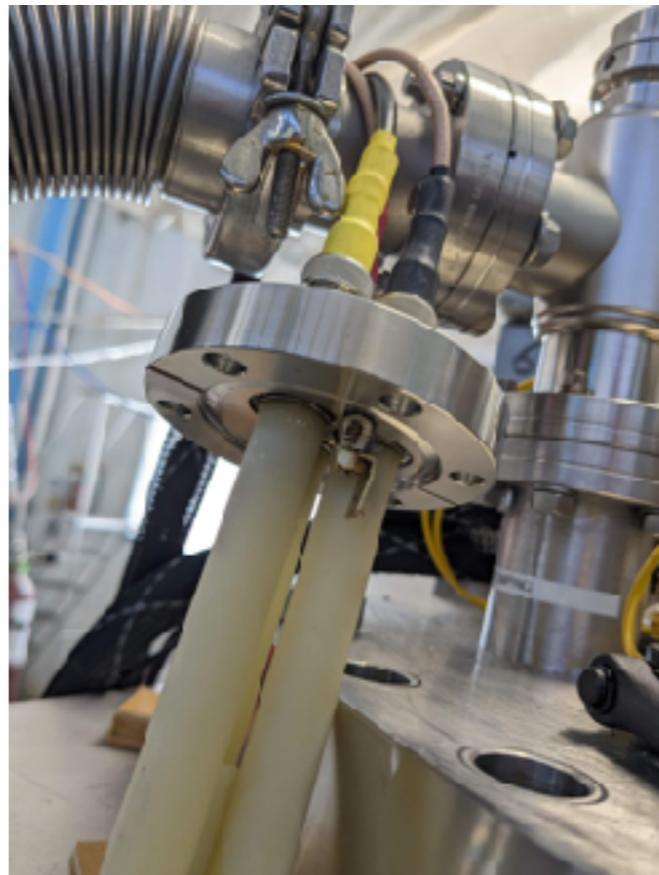
- 6000-gallon LN2 tank plumbing SOW review
 - Comments received from the reviewers
 - SOW LN2_SOW.docx revised with the reviewer's input
 - Further review by MPO suggested by CE of F&O
 - Expected to submit the SOW to procurement after going through MPO reviewing
 - End room of highbay will be emptied by Oct. 1

Liquid Nitrogen Transfer Line for Physics Department High Bay building Statement of Work and Technical Specification QA Category: A-3		
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260-L System 2nd purity run

▸ **Top flange assembly**

- Fixing the PrM feedthru
- Will move the top flange back to the main dewar tomorrow



EDIT school and CPAD 2023

▶ EDIT school

- Actual attendance is expected to be ~50
- Date: October 10–20, 2023
- Current plan:
 - The lectures will be given off-site at the Danfords Hotel & Marina at Port Jeff
 - Running a bus to transport the students to the lab after lunch
 - Lab session in the afternoon
- LAr and CE labs:
 - LAr Lab: I will supervise the students in highbay
 - 260-L system cryogenic operation, monitoring, data taking
 - LN2 dewar filling transportation
 - Cryogenic plumbing assembly
 - CE lab: Shanshan will supervise in his lab
 - DUNE chip testing
 - Chip testing station operations
 - Data taking
- Just talked Mike Gaffney about the safety issues, will talk to the department

LXe Collection for PIONEER

▶ **First safety meeting with PSI**

- I presented the regulations and cylinder specs
- All compressed gas shipping governed by Title 49 Part 173.301 CFR
- Discussion about the overall cryogenic safety of the cryogenic system
- Similar situations for the Xenon gas cylinders shipping from USA, Japan and China
- Waiting for PSI feedback for compressed gas cylinders