

LAr R&D Progress Report

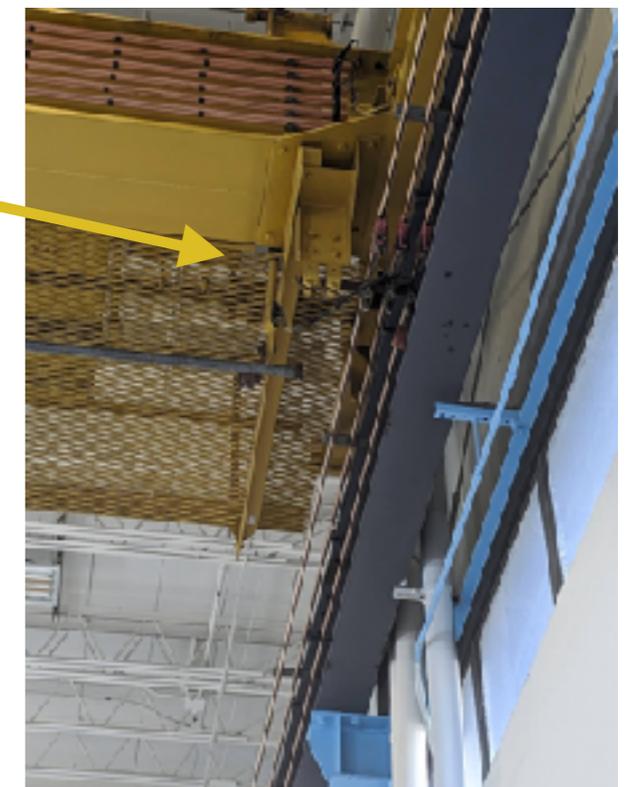
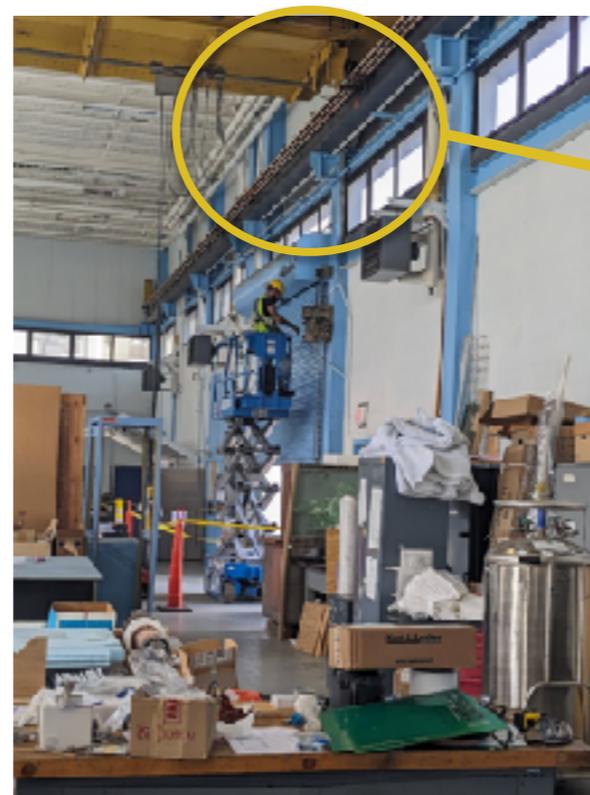
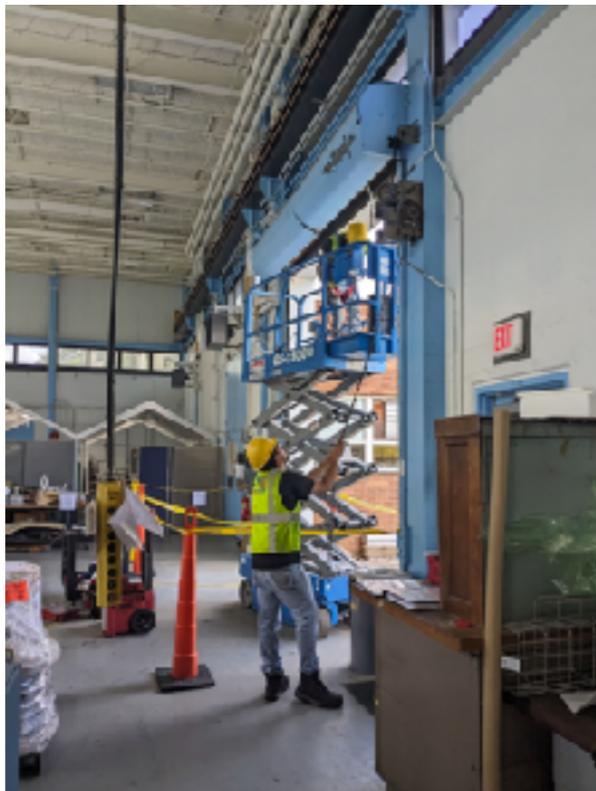
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9/12/23



Lab Safety and Space Management

- High Bay rolling door repair
 - It turned out that the door close to the west side is on the work order, not our door
 - Our door is planned to be replaced
 - The access to crane was restricted during the repair because it is close to the energized conductor
 - The Work Order has been finished



Lab Safety and Space Management

- Crane Ladder Replacement and Crane access
 - The contractor is now onsite to complete the work order on the crane this week
 - The overhead crane has been LOTO for the repair
 - Limited access to the Highbay area from the building
 - Full access to the crane is expected after the repair and safety inspection



6000-gallon LN2 tank plumbing project

- 6000-gallon LN2 tank plumbing
 - We had a review of the project with lab F&O and safety
 - Current dewar status and plan for plumbing presented: [6000-gallon LN2 tank status_rev2.pptx](#)
 - RTS status presented by Volodya
 - SOW drafted: [LN2_SOW.docx](#)
 - Additional Requirments:
 - Job Hazard Analysis approved by ESH
 - Design reviews
 - Work Planning & Control requirements in SBMS
 - Concrete / masonry aggressive penetration permit
 - ODH Calculation
 - Contractor training requirements
 - All parties are supportive, no show-stopper identified so far
 - The project is expected to be proceed in FY24

260-L System 2nd purity run

► Top flange assembly

- Top flange assembly completed
- Lift the top flange to the main dewar
- Some problems found that
 - The balance of the top flange changed
 - Signal leads on the PrM flange came off
- Moved the flange back to the assembly stand for troubleshooting
- Crane is expected to be available by Thursday



EDIT school and CPAD 2023

▶ EDIT school

- 52 students are expected
- Date: October 10–20, 2023
- Current plan:
 - The lectures will be given off-site at the hotel in the morning
 - Lab session in the afternoon
 - Running a bus to transport the students to the lab

▶ CPAD 2023

- At SLAC 11/07-11/10, abstract deadline 09/30
- I'm going to submit an abstract on our progress on the ALD filter

	A	B	C	D	E	F	G	H	I	J	K	L
		10/10/2023	10/11/2023	10/12/2023	10/13/2023	10/14/2023	10/15/2023	10/16/2023	10/17/2023	10/18/2023	10/19/2023	10/20/2023
9am		Intro	Si Det Th	Si Det	Rad Astr			Lab Tour	LArTPC Cryo	Int Elec 1	DAQ 1	Quantum 1
10am		and	LScin Det	Part I	Rad Instr			Si Detect	LArTPC Phys	Int Elec 2	DAQ 2	Quantum 2
11am		Safety	LScin Exp	& Part II	Drones				Cold Elec	Int Elec 3	DAQ 3	Quantum 3
12pm		Lunch	Lunch	Lunch	Lunch			Lunch	Lunch	Lunch	Lunch	Lunch
1pm		Lab 1	Lab 2	Lab 3	Lab 4			Lab Tour	Lab 5	Lab 6	Lab 7	Extra
2pm								Si Detect				Afternoon?
3pm												
4pm												
5pm												
6pm		Welcome Reception										Closing Dinner
Parallel Lab Sections:												
		Si Detect	Si Detect	Si Detect	Si Detect			Si Detect	Si Detect	Si Detect	Si Detect	Extra
		LScin	LScin	LScin	LScin			(Beam)	LScin	LScin	LScin	Extra
		Radio	Radio	Radio	Radio			Morning	Radio	Radio	Radio	Extra
		LAr	LAr	LAr	LAr			&	LAr	LAr	LAr	Extra
		Int Elec	Int Elec	Int Elec	Int Elec			Afternoon	Int Elec	Int Elec	Int Elec	Extra
		DAQ	DAQ	DAQ	DAQ			Lab Tours	DAQ	DAQ	DAQ	Extra
		Quantum	Quantum	Quantum	Quantum				Quantum	Quantum	Quantum	Extra