

260-L LAr System Progress Report

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Lab Safety and Space Management

- Crane Ladder Replacement and Crane access
 - The crane ladder replacement is not done yet
 - Got approval for temporary access to the crane for our operation last week
 - Lab LOTO lock replaced with PO department admin lock
 - Crane position is limited far from the ladder
 - The crane was inspected with pending stop switch with 1-yr grace period
 - We have access to the crane until the end of this week 09/11
 - The contractor is scheduled to install the stop switch to complete the crane ladder replacement, Normal access to the crane is expected to resume next week



Lab Safety and Space Management

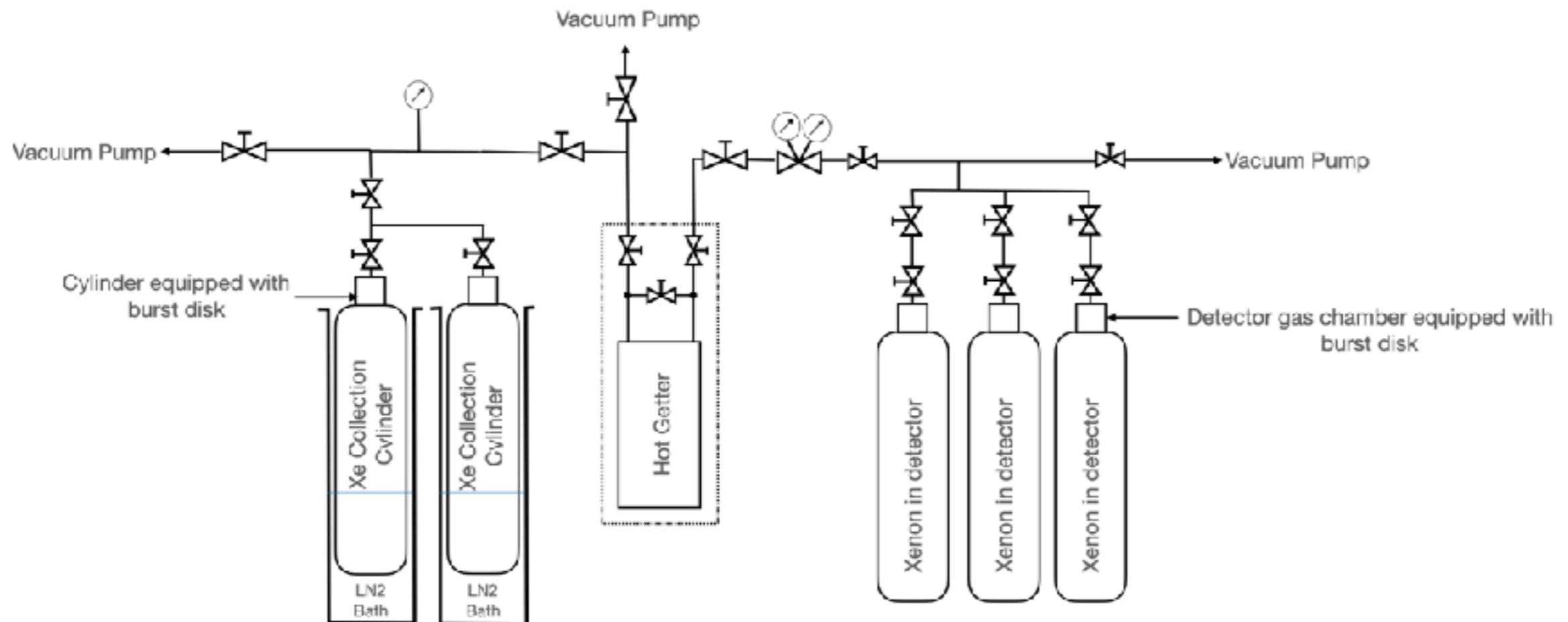
- 6000-gallon LN2 tank plumbing
 - A meeting with the management to brief the plan scheduled on this Friday at 3pm RM 3-192: <https://bnl.zoomgov.com/j/16190697874?pwd=WVg4dHFVdG5qNCtGbKRwSDNtVitaQT09>
 - SOW drafted: [LN2_SOW.docx](#)
 - I will present the tech details, requirements and our plan on the meeting
 - Added Lingyun on the operator list and trained him for filling portable dewars
- High Bay rolling door repair
 - A vendor is coming to repair the rolling door in highbay today
 - Parts to be replaced: 4 slats/bottom bar, new edge/reel cord/ weather stripping



LXe Collection for PIONEER

▸ Xenon collection system

- Transfer driven by negative pressure produced by the LN2 bath condensing in the Xe collection cylinders
- Receiving side pressure monitored with an individual pressure sensor
 - Safety Devices:
 - Detector Xe gas chamber has burst disk
 - The collection cylinder has burst disks
- Diagram sent to Mike Gaffney, he required more quantitative calculations to evaluate the design, I'm working on the calculation
- Going to have the first safety meeting with PSI tonight at 2am



260-L System 2nd purity run

▶ **Top flange assembly**

- We now have access to the overhead crane
- The assembly of the flange is almost done
- The top flange will be lifted to the main dewar this week
- The leak check will be started as soon as the assembly is complete

▶ **EDIT school**

- Registration is done at 08/31, ~50 students expected
- Date: October 10–20, 2023
- Current plan:
 - Lectures in the morning, lab session (~4 hrs)in the afternoon
 - Current plan is having the lecture offsite with a classroom enough of 50 ppl and move the students to the lab
 - CE test and LAr test stand operations included in the lab session
- Next organization meeting this Friday, full schedule should be available then