

LArFCS Progress Report

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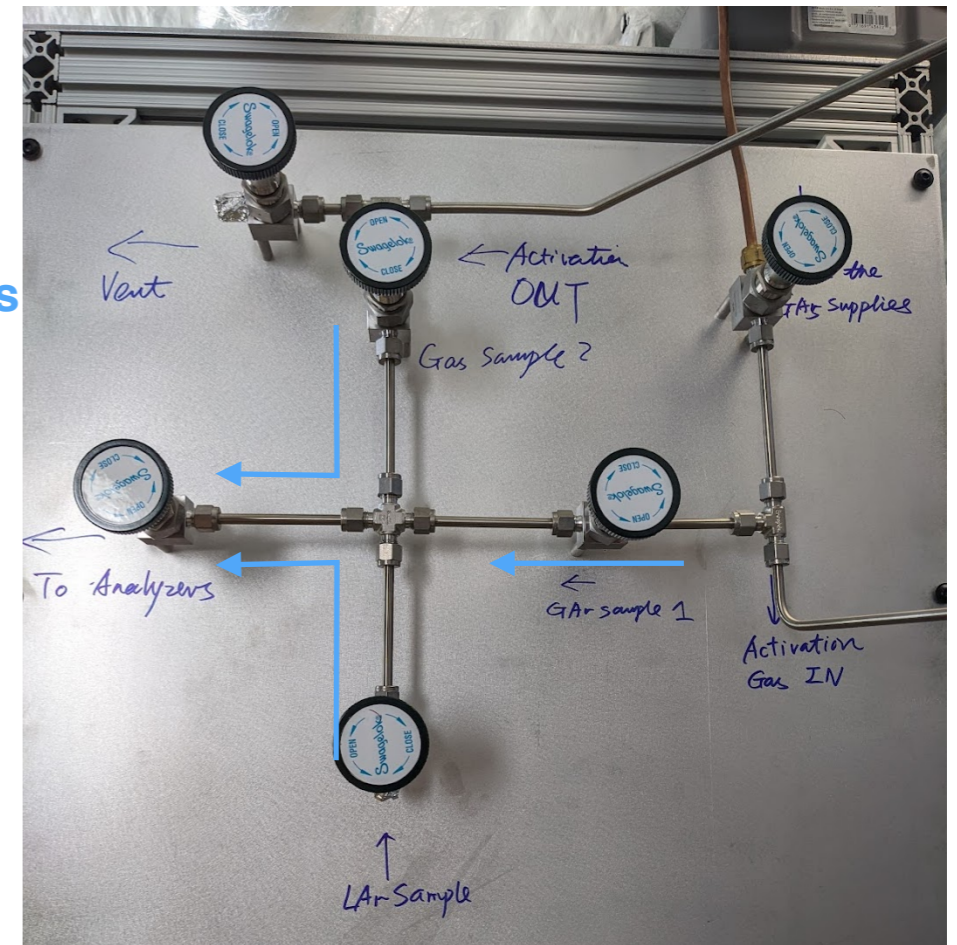
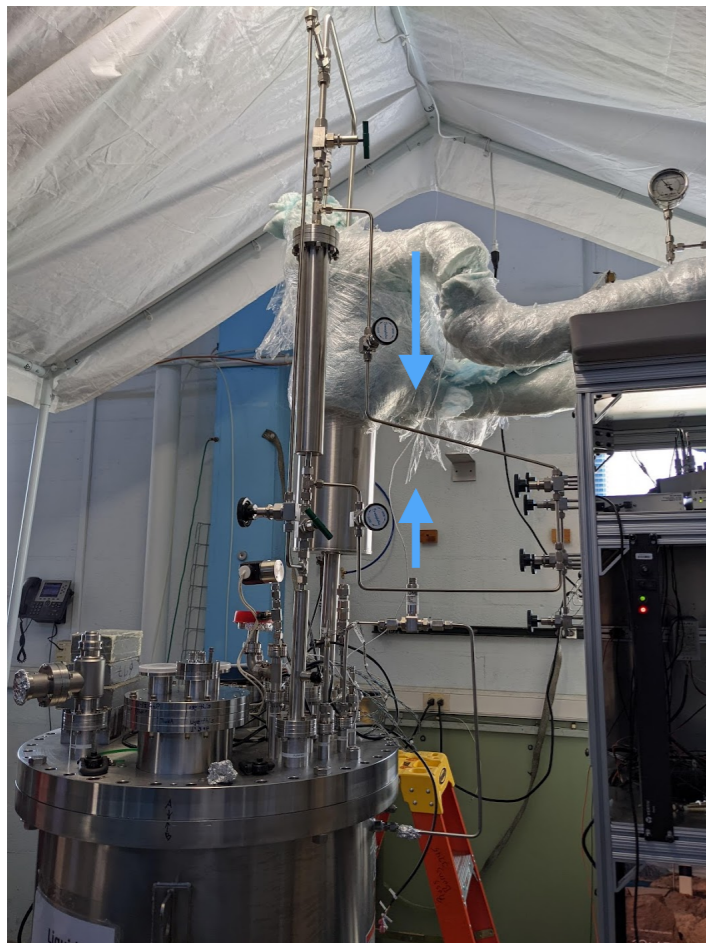
Lab Safety and 6000-gal LN2 tank

- ▶ **Table-top discussion with ES&H Independent Oversight (IO) Assessment C.F.R 851 review about flow down of WSH requirement**
 - Our recent LN2 filling experience with Airgas was provided
 - Meet with Mario and Jennifer for 45 mins
 - Mainly for the work planning, training and address of potential hazards
 - Most of the questions are well addressed
 - Thanks for Milind's vision, the checklist showing the planning is impressive to the reviewer
 - Overall, our efforts of following the safety requirements and going beyond overseeing the entire process is recognized.
- ▶ **Highbay lab facility issues**
 - Roof leak in PHENIX area. Our area is not impacted this time
 - Side door near PHENIX found over after hour by lab security
 - Just reminder to lock the doors after 4:30p when passing by

LArFCS Purity Run

▶ LArFCS plumbing for purity run

- Inlet and outlet to purifier changed to vertical orientation for detaching when lifting
- Gas manifold installed on the supporting frame
- A trail lifting will be conducted for practice
- Liquid sampling tube will be added from the bottom of the flange



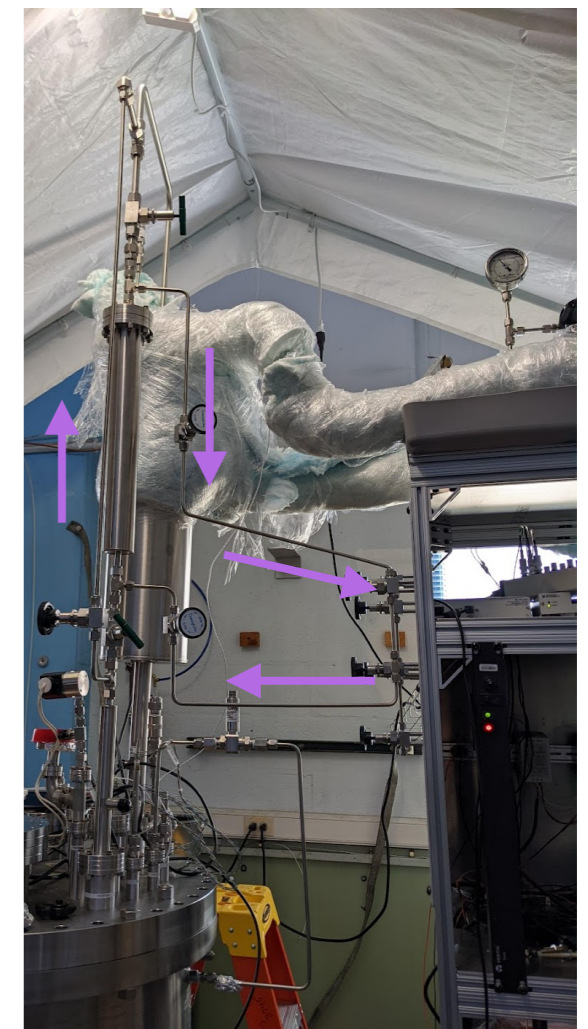
LArFCS Activation Setup

► Purifier Activation setup

- Ar+3%H₂ gas in place
- Activation gas plumbed to the LArFCS with copper tubing
- Sampling gas is going to be plumbed to the gas analyzers



← Ar+3%H₂ →



LArFCS Purity Run

► To do list

- Finish the plumbing the activation gas to the LArFCS(Copper tubing)
- Plumbing for the tubing to the gas analyzers(SS tubing)
- Setting up liquid sampling dipping tube (After lifting the top flange to the assembly frame)
- Moving top flange assembly back to the main dewar
- Leak check the new added plumbing: gas panel+plumbings added
- Wrapping up heating tape and thermal insulation
- Purifier scrubber activation

