

# LAr R&D Progress Report

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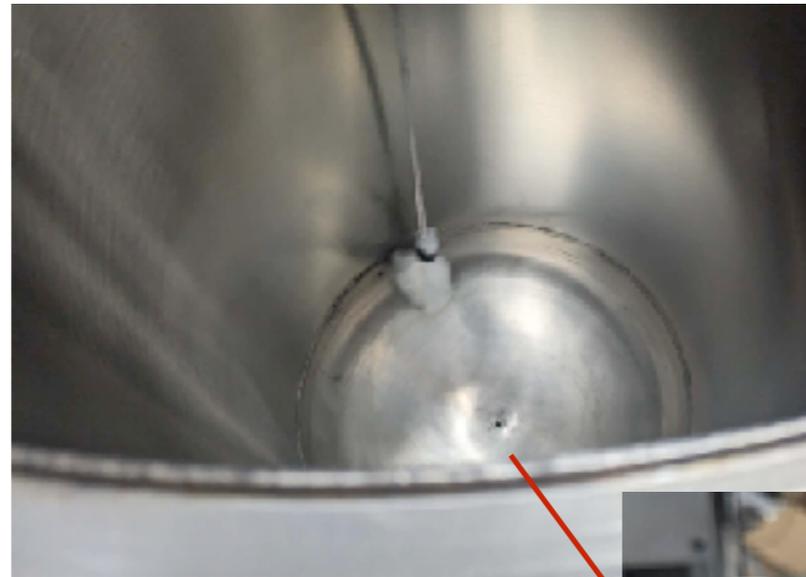
# Lab Safety and Space Management

- LN2 bulk delivery to the 6000-gallon tank
  - LN2 delivery received from Airgas
  - LN2 filled up to 152", ~87% of the full volume
- LN2 tank VJ plumbing
  - Still waiting for the engineering drawing from Technifab



# 260L System Status

- Top flange assembly
  - The pressure-differential level gauge is replaced and tested with LN2 open-mouth dewar
  - There is still some amount of black powder at the bottom due to the long filling time, wiped out with alcohol
  - PrM electronics tested
  - All surface cleaned up



# 260L System Status

## ► Top Flange Installation

- The top flange assembly moved back to the main dewar
- Pumping down and leak check
  - There were some difficulties in initial pump down
  - The major source of the leak was just located and the leak rate is reducing to our expected value of  $1 \times 10^{-9}$  mBar.l/s.



# 260L System Status

## ► **Inline Filter Activation**

- Excess consumption to the scrubber materials in the last filling
- Repeating the activation process, in parallel with the leak check
- The activation is expected to finish tonight
- Next is to activate the in-system filter tomorrow

