

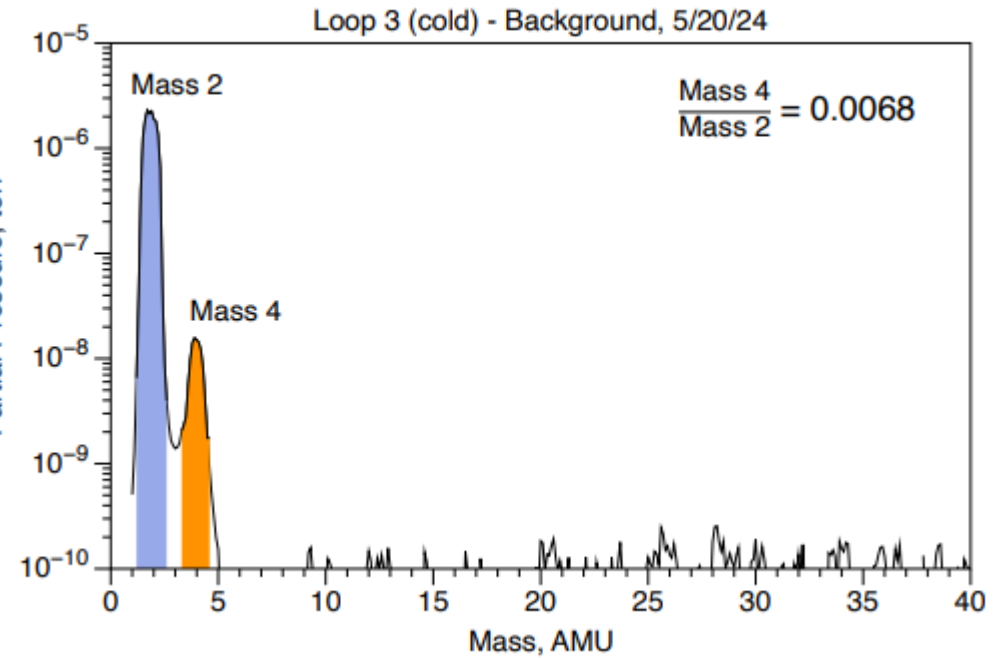
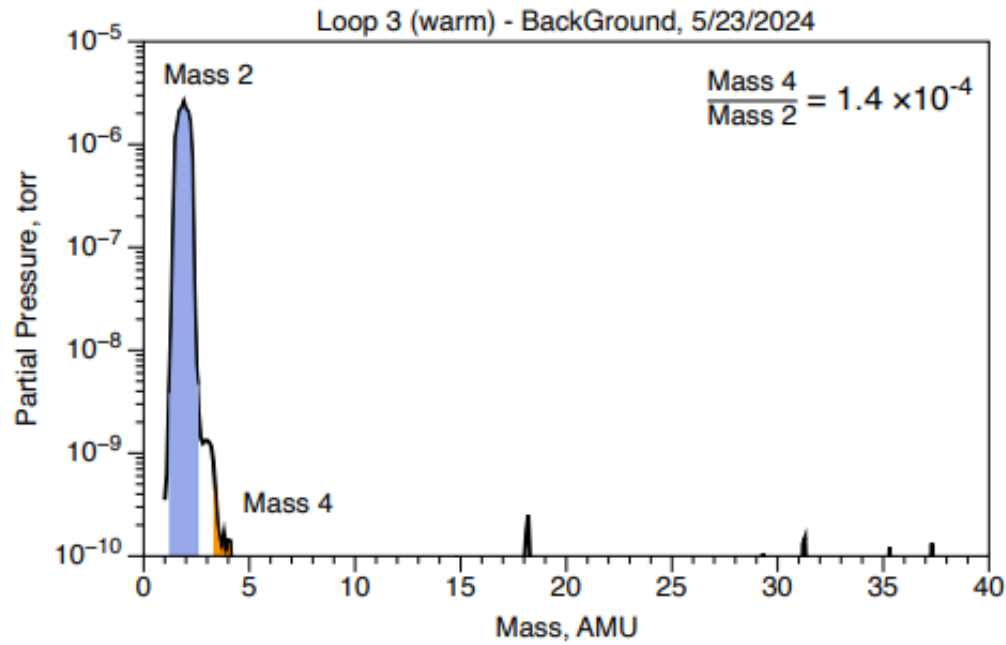
# Target Status

7/17/24

# Preliminary Analysis/Gas Sampling

- H<sub>2</sub>/D<sub>2</sub> Gas samples were taken both with the target cold (condensed in loop 3) and warm
- Analyzed H<sub>2</sub> (warm/cold) with RGA which only gives mass (D<sub>2</sub> and He<sub>4</sub> have the same mass).
- Analyzed H<sub>2</sub> with binary gas analyzer warm
  - Result range from 1.8% to 4.2 by mass. (low confidence)
- Sending samples to testing lab when HazMat clearance is obtained.

# Ratio of partial pressures



# Current Status and Plans

- Target is still on the pivot fully connected
  - Post run survey after NPS magnet is removed.
- Ship gas samples to testing lab once HazMat is cleared
- Once removed
  - Careful disassembly
  - Leak test HX
- Reassemble for LAD
  - News cells and piping
- Completely replace H<sub>2</sub> gas and purify the system