

## DSG-RICH R&D Meeting

**Date:** May 9, 2022

**Time:** 11:00 AM – 12:00 PM

*Attendees: Mary Ann Antonioli, Peter Bonneau, Pablo Campero, Brian Eng, George Jacobs, Mindy Leffel, Tyler Lemon, Marc McMullen, and Amrit Yegneswaran*

### **1. Spherical mirrors anticipated to be delivered to JLab the week of May 23, 2022**

1. Reflective coating of spherical mirrors in progress at ECI and will be completed on Thursday May 19, 2022

### **2. Tasks planned for upcoming week**

1. Set up of mirror d0 test station
2. Collaborators arrive at JLab on May 10, 2022
3. Gas seal test of nitrogen volume
  - Install front panels and electronic panel stand-in on detector
  - Purge detector shell with 40 slm of nitrogen to reduce humidity to <5% RH
  - Once humidity has stabilized, systematically reduce nitrogen flow to determine actual flow level needed to maintain <5% RH
  - Find and fix any leaks at main structural components of detector shell
4. Air-cooling tests with fully assembled electronic panel

### **3. Second, smaller dry tent assembled for aerogel assembly**

*Mindy Leffel and Marc McMullen*

1. This week, a small dry cabinet will be moved into larger tent to verify dry cabinet can maintain a lower humidity inside tent



Mindy Leffel attaching non-flammable plastic sheet to aluminum frame.