DSG-RICH R&D Meeting

Date: May 9, 2022

Time: 11:00 AM - 12:00 PM

<u>Attendees</u>: 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

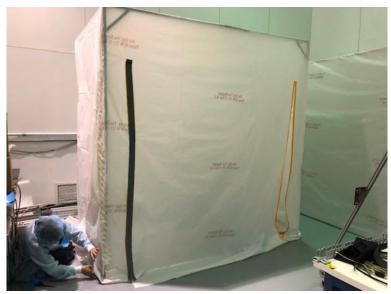
2. Tasks planned for upcoming week

- 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.