

DSG-RICH R&D Meeting

Date: April 18, 2022

Time: 11:00 AM – 12:00 PM

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

1. DSG's RICH-II assembly tasks update

1. Trim nitrogen volume hardware interlock system cabling to length
 - Completed
 - Mindy Leffel cut cables to length and reterminated them with Molex connectors
2. Repair nitrogen volume feedthroughs for hardware interlock system sensors
 - Completed
 - One missing port cover replaced
3. Fabricate various parts with 3D printer
 - PR submitted for black resin for 3D printer

2. Dry tent for aerogel assembly

1. During aerogel assembly, the larger of the front panels with 6-cm thick layer of aerogel will be assembled first
 - Smaller panel has mirrors that need to be surveyed before 2-cm thick aerogel layer is installed onto it
2. Main assembly tent
 - 12.5 ft x 5 ft in area, 8 ft tall
 - Extruded aluminum frame covered with non-flammable plastic sheet
 - Sheet will be fixed to frame using tape
 - Small dry box will be placed inside to lower humidity in tent
 - Air-cooling compressor will also be used to supplement dry box with dry air purging