

DSG-RICH R&D Meeting

Date: February 21, 2022

Time: 11:00 AM – 12:00 PM

Attendees: Mary Ann Antonioli, Aaron Brown, Pablo Campero, Brian Eng, George Jacobs, Mindy Leffel, Tyler Lemon, and Amrit Yegneswaran

1. Hardware interlock system chassis testing underway

Mindy Leffel and Tyler Lemon

2. Rough schedule for remaining assembly tests

1. INFN collaborators coming to JLab in March for electronic panel assembly
2. Argonne collaborators coming to JLab March 14 – 18 for exit window assembly
3. INFN collaborators planning to return to JLab in early April for:
 - Mirror installation
 - Aerogel installation
 - Leak checking
 - Gas system tests

3. Items needed in cleanroom by April 1, 2022

1. Rack to house DAQ crate, CAEN power supply, and hardware interlock chassis
2. Tubing and distribution items needed for N₂ system and air cooling system
 - Waiting on verification of tube diameters and lengths to be used from Hall B Engineering
 - Hall B Engineering setting up N₂ dewar and air compressor
 - DSG will set up distribution and internal manifolds
3. FPGA testing underway by Fast Electronics Group
 - Time estimate: one week
4. High voltage, low voltage, and signal cables
 - Interior cables completed and move to EEL 124 cleanroom
 - Exterior cable fabrication in progress by Fast Electronics Group