

DSG-EIC DIRC Meeting

Date: November 27, 2023

Time: 2:00 PM – 3:00 PM

Attendees: Peter Bonneau, Aaron Brown, Imani Burton, Greg Kalicy, Tyler Lemon, Marc McMullen, Joe Schwiening, Jennifer Williams, and Beni Zihlmann

1. EEL 108 laser area preparations

1. Fresh-air intake installed in wall of room
 - 4" diameter hole with exterior cover; interior grate is for 15" x 15" filter
 - AC unit ran from November 22 – November 27, 2023 with no issues
2. Remaining work on room
 - Window cover
 - Cableway installation
 - Interlock system installation, testing, and walk-through

2. Procurement of suspension system parts for shipping crates

George Jacobs, Greg Kalicy, Tyler Lemon, and Beni Zihlmann

1. Most McMaster-Carr items for suspension have been received
 - Five dampening arms received, remaining 21 are backordered and expected 12/25/2023
2. Metal tubing for mounting air suspension system received (currently with JLab S&R)

3. Other considerations for shipping

Greg Kalicy and Beni Zihlmann

1. Concrete counterweights
 - Blocks needed to balance weight distribution inside shipping trucks
 - Greg and Beni will determine what is needed for blocks, whether the blocks are on hand at JLab, and whether there are any material handling considerations for moving the blocks
2. Shipping authorizations
 - Since crates are JLab property, documentation is needed for removal of crates from JLab for temporary transfer to SLAC

4. Horseshoe clamp 3D printing status

Tyler Lemon and Greg Kalicy

1. Horseshoe clamps are used as handling points for quartz bars; fixtures are used to hold quartz bars in place by the horseshoe clamps during laser tests
2. Fabricated one horseshoe clamp and one fixture
 - Clamp does not seem sturdy; will print second version with modified print settings
 - Will bring completed components to next in-person meeting for collaborators' visual checks
3. Estimate one-week fabrication time for remaining seven horseshoe clamps and three fixtures