

DSG-EIC DIRC Meeting

Date: July 10, 2023

Time: 2:00 PM – 2:30 PM

Attendees: Peter Bonneau, Aaron Brown, Pablo Campero, George Jacobs, Greg Kalicy, Tyler Lemon, Marc McMullen, and Beni Zihlmann

1. Quartz bar shipping crates

1. Six of eight crates have been moved to EEL 108
 - Remaining two crates are in ESB
2. Crates are for shipping bars from SLAC to JLab; contain shipping materials
3. Expected arrival time of quartz bars is still Fall 2023
4. Rough sequence of events
 - Verify crates have all necessary shipping materials
 - Load and secure crates in trucks
 - Trucks travel to SLAC
 - Detector components loaded into crates and onto trucks
 - Trucks return to JLab with detector components

2. Cleaning area setup

1. Large Hall D clean area structure in EEL 108 will be used for disassembling detector components to retrieve bars
 - Either a small area will be set up inside large structure or a second structure will be set up for quartz bar cleaning
2. Additional items needed for cleaning area
 - Table
 - Halogen lamp
 - Bar holder

3. Laser interlock circuit PCB status

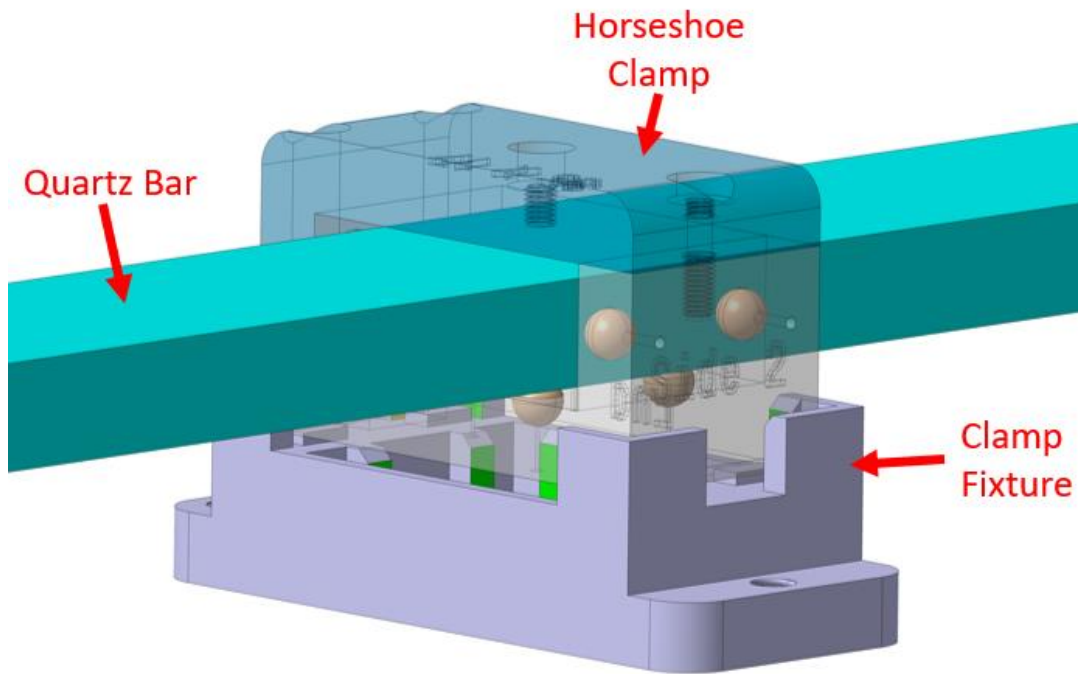
Mindy Leffel, Tyler Lemon, and Marc McMullen

1. Expect to receive bare PCBs from manufacturer this week (week of July 10, 2023)
2. Marc McMullen has submitted PRs for all board components
3. Mindy Leffel will populate PCBs once all components have been received

4. 3D printing designs of clamps used to hold quartz bars in test station

Greg Kalicy and Tyler Lemon

1. Sample horseshoe clamps received
2. Quantities needed:
 - Eight horseshoe clamps
 - Four clamp fixtures
3. Greg Kalicy will provide 3D CAD files for items to print
4. Tyler Lemon will procure 3D printer resin for fabrication



CAD model screenshot of clamp and fixture needed to hold quartz bars during laser tests.