

## DSG-EIC DIRC Meeting

**Date: September 23, 2022**

**Time: 3:00 PM – 4:00 PM**

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

### **1. Safety documentation for test area**

*Greg Kalicy, Tyler Lemon, Marc McMullen, and Beni Zihlmann*

1. Laser Operating Safety Procedure with Task Hazard Analysis
2. Laser-specific lesson plan
  - Draft of hazards section complete
  - Need information on day-to-day operations and lab layout to complete document; Greg Kalicy will provide information
3. Beni Zihlmann will be the Laser Safety Supervisor for the test station
  - Laser Safety Supervisor must ensure everyone entering the laser lab has read and signed all documents
4. Required training for anyone entering the laser lab
  - SAF114O – Laser safety training
    - External training modules from DOE
    - Contact Jennifer Williams ([jennifer@jlab.org](mailto:jennifer@jlab.org)) for link and directions to access training
  - MED02 – Laser user eye exam
    - Contact JLab Occupational Medicine to arrange exam

### **2. Interlock system for laser**

*Tyler Lemon*

1. Relay connection to laser power supply's interlock connection
2. Two emergency top buttons
  - One internal and one external to room
3. Yellow beacon that is illuminated at least 10 seconds before laser is enabled

### **3. Test station setup information**

1. Polarizing cube is not needed because laser is already polarized at its source
2. Iris diaphragms help limit beam halo of laser that can negatively impact data acquisition
3. One 150-mm travel linear stage and 300-mm travel linear stage on hand; budget limitations prevented procurement of second of each type, but may be procured in FY 2023
4. Greg is looking into controller for rotary stages

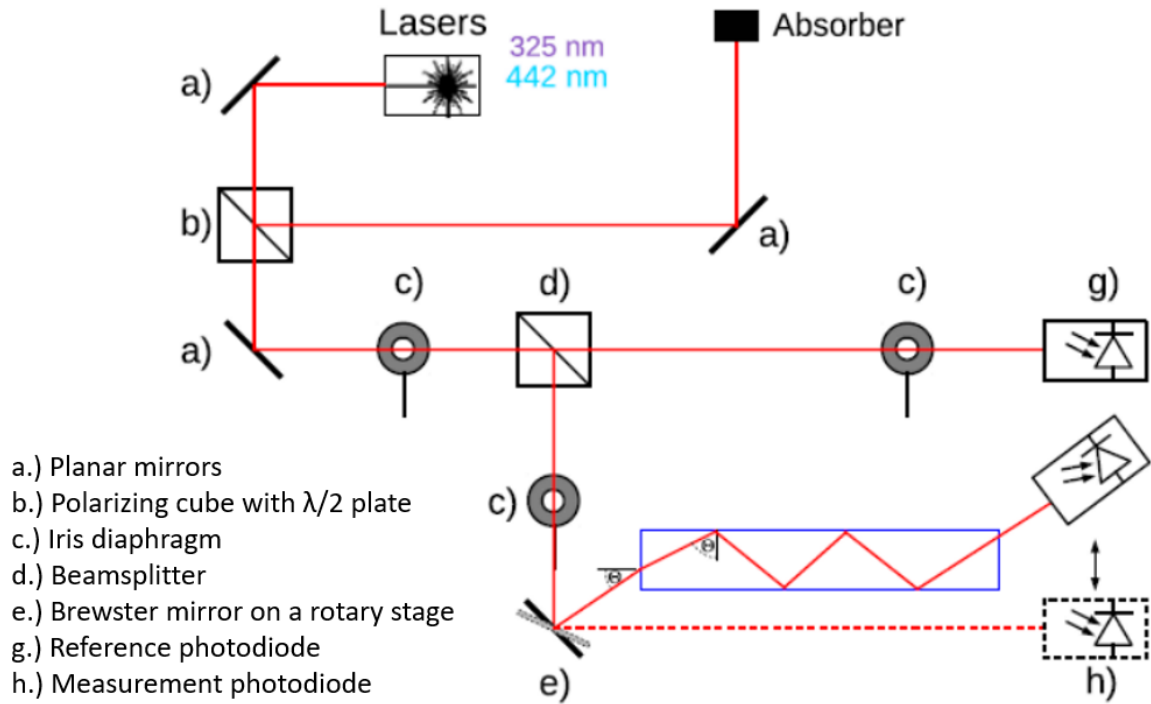


Fig. 1 – Test station diagram of previous setup (provided by Greg Kalicy)

4. [Next meeting will be Monday, October 10, 2022 at 11:00AM](#)