DSG-EIC DIRC Meeting

Date: January 23, 2022
Time: 11:00 AM – 12:00 PM

Attendees: Peter Bonneau, Aaron Brown, Imani Burton, Brian Eng, George Jacobs, Greg Kalicy,
Tyler Lemon, Marc McMullen, Joe Schwiening, and Jennifer Williams

1. **Schedule update for detector component delivery**
    1. Expect detector parts to be delivered JLab in late May, 2023
    2. Goal to have laser test area fully set up and characterized by the end of April, 2023

2. **Safety status update**
    Imani Burton, Marc McMullen, and Jennifer Williams
    1. Laser Operational Safety Procedure approved
        - Anyone who will work with system must read and digitally sign LOSP at link below
            – https://mis.jlab.org/mis/apps/mis_forms/operational_safety_procedure_form.cfm?entry_id=146281
    2. Training from submitted lesson plan will be available soon
    3. After laser is fully set up, a walk-through and safety inspection is needed
    4. Jennifer Williams will order laser safety glasses for test area

3. **Laser controlled area construction status**
    1. Optical table assembled
    2. Fourth wall of room constructed
    3. Door installed

Left: Optical table assembled inside room.
Right: Final wall and door of laser-controlled area.

4. Interlocks to be monitored
Tyler Lemon
1. Room door open contact (main)
2. Room door open contact (redundant)
3. Inside emergency stop buttons (four in series to one interlock input)
4. Outside emergency stop button
5. Optical table sidewalls installed (all wall position sensors in series)
6. Control unit key is present
7. Sweep button
8. Low-power filter status
9. Eight of sixteen inputs remain as spares
   - Tyler Lemon will research monitoring room's overhead light status to potentially add to interlock chain

5. Optical table sidewalls
Greg Kalicy, Tyler Lemon, and Joe Schwiening
1. Anodized aluminum previously used for walls
2. Side walls do not need to be rated for laser safety, but the material should be non-reflective

6. In-person meeting will be scheduled to visit laser-controlled area and refine the room's layout