

DSG-RICH R&D Meeting

Date: October 18, 2021

Time: 11:00 AM – 12:00 PM

Attendees: Aaron Brown, Peter Bonneau, Pablo Campero, Brian Eng, George Jacobs, Tyler Lemon, Marc McMullen, and Amrit Yegneswaran

1. Review minutes from October 15, 2021 collaborator meeting

2. Safety documentation for RICH assembly

Tyler Lemon and Marc McMullen

1. Marc wrote Task Hazard Analyses (THAs), Operational Safety Procedures (OSPs) for last RICH's assembly
 - [Link to old OSP for detector shell assembly](#) (requires JLab sign in)
 - [Link to old OSP for mirror and electronics installation](#) (requires JLab sign in)
2. All general procedures are the same
3. Only update needed (so far) on previously submitted documentation is changing detector assembly support structure's pulley.

3. Foam procurement for sealing RICH

Tyler Lemon

1. Foam procured should be closed-cell, adhesive-backed, black, and "soft"
 - From McMaster-Carr example collaborators showed, "soft" means foam has a density of 9 lbs/ft³ and requires 9 psi of pressure to compress
2. Dimensions needed in table below:

Foam Thickness [mm]	Foam Width [mm]	Roll Length [ft]
8	30	100
8	20	100
8	10	100
5	60	100
5	30	100
5	20	100
2	60	100
2	20	100
2	10	100

4. Bare RMC received

Marc McMullen

1. Unpopulated RMC received from fabricator
2. Marc McMullen verified that PCB routing is correct by ohming out traces and components.
3. Approval to move forward with fabrication and population will be given to fabrication company by the end of Wednesday, October 20, 2021.

5. DSG will begin preparations for cleanroom floor repairs during the coming week

Mindy Leffel, Tyler Lemon, and Marc McMullen

1. DSG will prepare cleanroom the week of October 18, 2021.
 - Tyler Lemon is on vacation from 10/25/2021 through 10/29/2021.
2. All cleanroom items will be moved from back half of cleanroom to front half