

RICH Collaborator Meeting

Date: October 15, 2021

Time: 9:30 AM – 11:00 PM

Attendees: Giovanni Angelini, Fatiha Benmokhta, Marco Contalbrigo, Valery Kubarovsky, Tyler Lemon, Marco Mirazita, and Connor Pecar

1. Last batch of aerogel shipped from manufacturer

1. Tiles currently in transit.
2. Tiles will stop at Duquesne University before continuing on to JLab.

2. Patch panel for RICH-2

1. Tyler Lemon showed modifications needed to both patch panels for hardware interlock sensor feedthroughs.
2. Tyler will send dimensional drawing of holes needed for feedthroughs to Marco Mirazita so patch panel design can be sent for fabrication

3. Spherical mirror support springs

1. 25 of 30 needed D22550-type springs on hand.
 - May be five spares from RICH-1 at JLab; Tyler Lemon will investigate
2. Tyler Lemon will test spring fit in mounting bracket

4. Spherical mirrors' d0 measurement path forward

1. Repeat tests after polishing fiber connected to light source.
2. Repeat tests with exposure time at 0.5 ms, regardless of counts observed by CCD
3. Try measurements with second CCD on hand.

5. Collaborators requested assistance with procuring foam sealing

1. Closed-cell, adhesive-backed, black foam strips of varying thicknesses and widths needed for RICH assembly.
2. Collaborators requested DSG to assist with procurement of foam.

6. Collaborators requested assistance with safety documentation needed for RICH assembly

1. For previous RICH, DSG wrote Task Hazard Analyses (THAs), Operational Safety Procedures (OSPs), and Temporary OSPs (TOSPs) detector assembly
2. Collaborators requested DSG update and resubmit documentation for RICH-2.
 - Procedures for all main assembly tasks are the same.