

RICH Collaborator Meeting

Date: November 19, 2021

Time: 9:30 AM – 11:30 PM

Attendees: Fatiha Benmokhta, Marco Contalbrigo, Valery Kubarovsky, Tyler Lemon, Marco Mirazita, Connor Pecar, Ben Raydo, Patrizia Rossi, Mark Taylor, and Simone Vallarino

1. Spherical mirrors

1. Discussions regarding mirror quality in process between CMA and INFN
2. CMA suspects that new mandrel and/or new core type of mirrors is cause of poorer quality
3. CMA would like d0 of all ten spherical mirrors to be measured
 - If any mirrors are not within specification, CMA will remake that mirror
4. Contract for final reflective coating awarded to Evaporated Coatings, Inc. (ECI)
 - ECI did reflective coating for previous sector's spherical mirrors

2. Lift plan updates needed for RICH-II rotation

1. For RICH-1, stiffening tool was not included in rotation lift plan in safety documentation for detector assembly
 - Mark Loewus, rigging and lift subject-matter-expert, supervised and approved rotation with stiffening tool in place
2. For RICH-II, documentation needs to be updated to reflect actual procedure
 - Stiffening tool will be used to prevent any deformation of detector structure during rotation
 - Stiffening tool adds 625 lbs. to weight of assembled detector
 - Total detector weight ~3,125 lbs.
 - Stiffening tool changes geometry of rigging needed to attach detector to gantry during rotation