

DSG-RICH R&D Meeting

Date: October 11, 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. Reviewed minutes from October 8, 2021 collaborator meeting

2. d0 tests on spherical mirrors 5 and 5C

1. Last week Mindy Leffel and Tyler Lemon completed an additional set of d0 measurements with clean room darkened
 - Temporary cover for exit sign
 - Using tape to cover instrumentation LEDs
 - Before each set of measurements, a background measurement was taken
 - d0 analysis for each set used its corresponding background
 - Mirrors are close to 2.5 mm d0 specification

Mirror	Position	Lowest d0 Observed [mm]	Fit d0 [mm]	Fit Mirror Radius of Curvature [mm]
5C	horizontal	2.008	2.16	2708.23
5C	vertical	2.989	3.01	2702.15
5	horizontal	2.468	2.81	2709.8
5	vertical	2.670	2.69	2704.26

2. In coming week, tests will be repeated with considerations from October 8, 2021 collaborator meeting