

DSG EIC Tracking

Date: 3/8/2023

Time: 11:00 – 12:00

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

1. Silicon Services Estimates

Silicon Consortium

1. Initial estimate had silicon tracking using 200% of available service space (mainly limited by cutouts in the DIRC support frame)
 - [Updated estimates](#) have reduced this by a factor of 2-3 (with most being by a factor of 3)

2. Ansys Fluent Simulations

Pablo Campero

1. Completed simulations at additional flow velocities (3 and 4 m/s) and Aerogel thickness (0.5 and 1.0 mm)
 - No changes to initial conclusion, Aerogel slightly lower temperatures but not enough to have very low/no flow

