

DSG-R&D EIC Meeting

Date: March 24, 2022

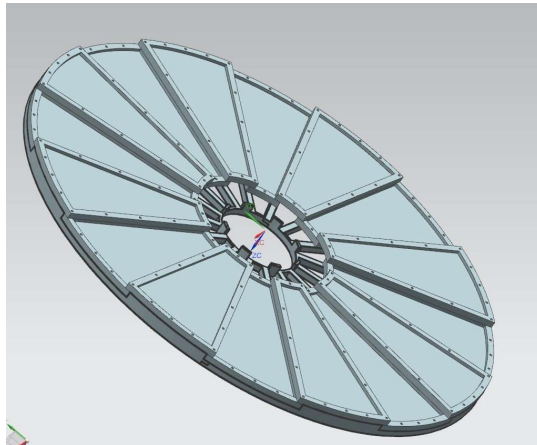
Time: 11:00 – 12:00

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

1. EIC

Pablo Campero, Brian Eng

1. Heated beam pipe interacting with silicon using CFD (computational fluid dynamics) solver to add air flow instead of just boundary bodies
 - Simplifying geometry to remove unused volumes and materials, such as the inner gas volume of the beam pipe (since using fixed 100 °C surface)
2. Support structure concept for MPGD discs
 - Using layout from Kondo for CORE but with ATHENA dimensions (larger outer radius)



Work-in-progress of MPGD support structure (trapezoid overlap to be increased for no dead-area)