

DSG-R&D EIC Meeting

Date: September 23, 2021

Time: 11:00 – 12:00

Attendees: Aaron Brown, Pablo Campero, Brian Eng, George Jacobs, Tyler Lemon, Marc McMullen, and Amrit Yegneswaran

1. EIC – ANSYS Simulation of beam pipe bakeout

- 1.1. Imported detector only section of beam pipe (9 m)
- 1.2. Several materials specifically noted in drawings
 - 1.2.1. Beam Pipe wall – Beryllium center section = PS-200 (from Materion)
 - 1.2.2. Beam Pipe wall – Aluminum = 2219-T5
 - 1.2.3. Beam Screens – Copper (exact alloy not listed)
- 1.3. Flange material not listed, 304/316 SS are fairly common, but Al 2219 is also available 1.4. Trying to automatically generate a mesh fails along beryllium section of the pipe

