

DSG-Ansys R&D Meeting Minutes

Date: March 3, 2022

Time: 14:00 to 15:00

Attendees: Aaron Brown, Pablo Campero, Brian Eng, Geoff Hoekstra, George Jacobs, Tyler Lemon, and Walter Schwarz

1. NPS thermal analysis

Aaron Brown

1. Discussed heat exchanger performance shown in the specifications
2. Plotted heat exchanger performance versus the maximum temperature in the detector
3. Discussed the interaction of the chiller and heat exchanger in the overall thermal system

2. EIC beryllium section

Pablo Campero and Brian Eng

1. Explained to Ansys support engineers our model, conditions, and goals for thermal analysis and simulations required for the beryllium section
 - Support engineers recommended tutorials and materials to review for Fluent software
 - Agreed on scheduling a meeting to go through specific questions for the project
2. No further progress for the thermal analysis on Ansys Fluid Flow Fluent since licenses were not available during last week