

## DSG Ansys R&D Meeting Minutes

**Date: January 25, 2024**

**Time: 2:00 PM – 2:30 PM**

*Attendees: Peter Bonneau, Pablo Campero, Brian Eng, and Marc McMullen*

### **1. NPS thermal analysis with Ansys Fluent in transient mode**

*Pablo Campero*

1. Attempted to open workbench project file but noted that it was corrupted and missing the mesh file
  - Will recover file or import geometry from backup model to proceed with the mesh of the model

### **2. EIC beampipe Ansys Fluent thermal analysis**

*Pablo Campero and Brian Eng*

1. Discussed plans for thermal analysis
  - Will add three multilayer (three-layer) insulation around the beampipe model
  - Layers of the insulation will be 80  $\mu\text{m}$  of polyimide, 0.1  $\mu\text{m}$  of aluminum, and 80  $\mu\text{m}$  of aerogel