

## DSG-Ansys R&D Meeting Minutes

**Date:** March 10, 2022

**Time:** 14:00 to 15:00

*Attendees: Pablo Campero, Brian Eng, Geoff Hoekstra, Tyler Lemon, and Walter Schwarz*

### 1. EIC beryllium section

*Pablo Campero and Brian Eng*

1. Discussed model dimensions and implemented conditions, using Ansys Fluid Flow Fluent; showed results
  - Resolved questions regarding proper assignment of material, cell zone, and boundary conditions
2. Able to run thermal analysis in Ansys Fluid Flow Fluent
  - Generated report with maximum temperature for silicon sensor L1; preliminary result calculated shown the temperature as 64°C
  - Compared result with results acquired in steady-state thermal analysis (72 °C )
  - Mesh for model will be redefined; fine mesh will allow precise results in simulations
3. Learned the best way to archive complete Ansys project and allow sharing between common users