

DSG Ansys R&D Meeting

Date: August 11, 2022

Time: 2:00 PM – 3:00 PM

Attendees: Aaron Brown, Pablo Campero, Brian Eng, Marc McMullen, and Tyler Lemon

1. Discussed status of Hall A ECAL steady state thermal analysis

1. Very thin aluminum light guide wraps still causing issues
 - Parts will be suppressed in model until meshing issues can be resolved
2. Heat flux of 830 W applied to end plate of super module

2. Discussed issues with supermodule simulations

1. Solution consistently times out with error messages or Ansys freezes during solution
2. Installing Ansys on laptop with more RAM to see if that resolves some issues
3. Looking into ways to simplify meshing suggested to see if that can resolve issues