DSG Ansys R&D Meeting

Date: April 6, 2023
Time: 2:00 PM – 2:30 PM

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

1. **Discussed NPS heat simulation**
   Aaron Brown, Pablo Campero, Marc McMullen
   1. Pablo is preparing NPS model in SpaceClaim
      - Resolved interference between heat exchanger plates and electronics volume
   2. Marc and Pablo determined that file labeled "…v6_1" is the latest version of the NPS model

2. **Discussed ECAL supermodule meshing**
   Pablo Campero, Brian Eng, Tyler Lemon
   1. Very thin, (~0.01 mm), aluminum wrapped around the lead glass in the supermodules is causing errors
   2. Pablo recommended using Share Topology method in SpaceClaim so Ansys will treat the thin bodies as actual items instead of merging them with the lead glass