DSG-NPS R&D Meeting Minutes

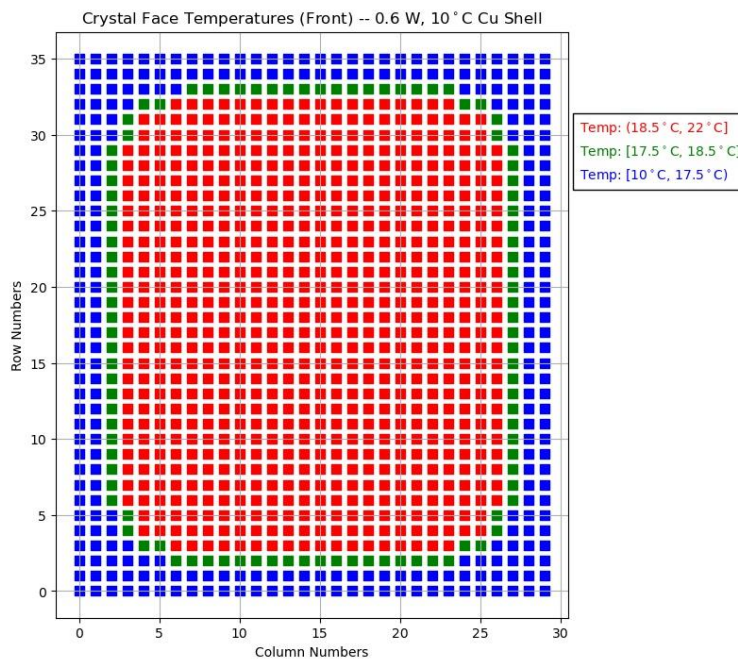**Date: March 15, 2022**
Time: 02:00PM – 03:30PM

Attendees: Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, Brian Eng, George Jacobs, Mindy Leffel, Tyler Lemon, Marc McMullen, and Amrit Yegneswaran

1. **Thermal Analysis**
   Aaron Brown, Pablo Campero, and Brian Eng
   1. Reviewed plots for new Ansys thermal simulations
      - Ambient temperature: 22°C
      - Cu shell temperature: 10°C
      - Q = 0.3 W and 0.6 W

Temperature plot for Q = 0.6 W simulation with 10°C Cu shell

2. **Hardware Interlock System Development**
   Mary Ann Antonioli, Peter Bonneau, and Aaron Brown
   1. Reviewed EPICS process variable (PV) spreadsheet in development
      - Discussed developing Python program to generate PVs from hardware interlock system LabVIEW program