DSG-NPS R&D Meeting Minutes

Date: February 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. **Hardware Interlock System Development**
   Mary Ann Antonioli, Peter Bonneau, and Aaron Brown
   1. Reviewed hardware interlock system LabVIEW programming spreadsheet
      - Spreadsheet details VIs and subVIs that need to be developed
      - A Gantt chart will be added alongside spreadsheet – testing, EPICS, and WEDM screen development will be taken into consideration for timeframe
      - A similar spreadsheet will be generated detailing the number and type of EPICS screens that need to be developed
   2. Reviewed *Interlock Sensor Enables* tab for User Interface LabVIEW program
      - Discussed methods of rearranging LEDs so they are grouped by sensor location

2. **Ansys Thermal Analysis**
   Aaron Brown
   1. Reviewed Python plot of temperature probe data
   2. Will conduct a new simulation where the Cu shell temperature is set closer to the ambient temperature of 22°C

Python plot of front crystal face temperatures