DSG-NPS R&D Meeting Minutes

Date: May 02, 2023
Time: 02:00 PM – 02:30 PM

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

1. **Thermal readback LabVIEW program**
   Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, and Tyler Lemon
   1. Resolved variable initialization issues; program runs in LabVIEW control mode for the first loop iteration then switches to EPICS control mode
      - This initializes all shared variables with values from the configuration file and passes these values on to the EPICS PVs
   2. Mary Ann will finish changing array-based shared variables to individual shared variables in the code
   3. Programming hardware interlocks based on the fault charts

2. **CAEN testing**
   Aaron Brown and George Jacobs
   1. Developing GECO 2020 control script and Python analysis program
   2. Crates have been moved to the hall; should be ready for remote testing by Friday 05/05/2023

3. **Hardware**
   Aaron Brown Mindy Leffel, and Marc McMullen
   1. Discussed cable fabrication needs
      - 120-ft., 9-conductor serial cables (x2)
      - 120-ft., 2-conductor relay cables (x2)
      - 3-ft., LEMO cables with flying leads (x2)