

## DSG-NPS R&D Meeting Minutes

**Date: May 30, 2023**

**Time: 02:00 PM – 02:15 PM**

*Attendees: Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, Brian Eng, Mindy Leffel, and Marc McMullen*

### 1. Thermal readback

*Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, and Tyler Lemon*

1. Mary Ann is working on changing shared variables in the LabVIEW program
  - The LabVIEW control portion is complete; the EPICS control portion is in progress

### 2. CAEN testing

*Aaron Brown and George Jacobs*

1. Debugging high voltage Overview screen in Hall C counting house with Simona Malace
  - The EPICS service names for the high voltage channels are already in use for Hall C; they have been changed from hchv20 and hchv21 to hchv30 and hchv32 for crates 1 and 2, respectively
  - Aaron will change all PVs in the high voltage GUIs and see if that resolves the EPICS issues (channels not receiving commands, parameters setpoints changing randomly)
  - All of the high voltage PVs will need to be changed in Mya

### 3. Software

*Aaron Brown*

1. Updating all PVs in the high voltage channel save/restore program to reflect the change in EPICS service names

### 4. Hardware

*Aaron Brown Mindy Leffel, and Marc McMullen*

1. The cRIO has been moved to Hall C and installed in a rack in the SHMS hut; the computer center has assigned a new IP address
2. Discussed cables to be fabricated
  - 120-ft., 9-conductor serial cables (1 remaining) – the cable ordered to make the remaining cable is delayed (ETA of 07/17/2023); Marc will look for an alternate with faster delivery
  - 120-ft., 2-conductor relay cables (x2) – cable has been ordered; ETA is 06/05/2023
  - 15-ft. LEMO cables with flying leads (x2)