

DSG-NPS R&D Meeting Minutes

Date: April 13, 2021

Time: 11:00AM – 12:15 PM

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

1. HV supply cable fabrication and testing

Peter Bonneau, Aaron Brown, Brian Eng, George Jacobs, Mindy Leffel, and Marc McMullen

1. Replacement Radiall 52-pin connectors (12 total) arrived
 - Replace the 12 connectors sent by CAEN that have defective strain relief collars
2. Replacing HV return wires in test chassis with higher-rated wires of ~6 kV
3. Preparing documentation with technical specifications and safe operation of test chassis
4. Reviewed EPICS data logging Python program
 - HV supply cable current monitored over 12 hours

2. Hardware Interlock System development

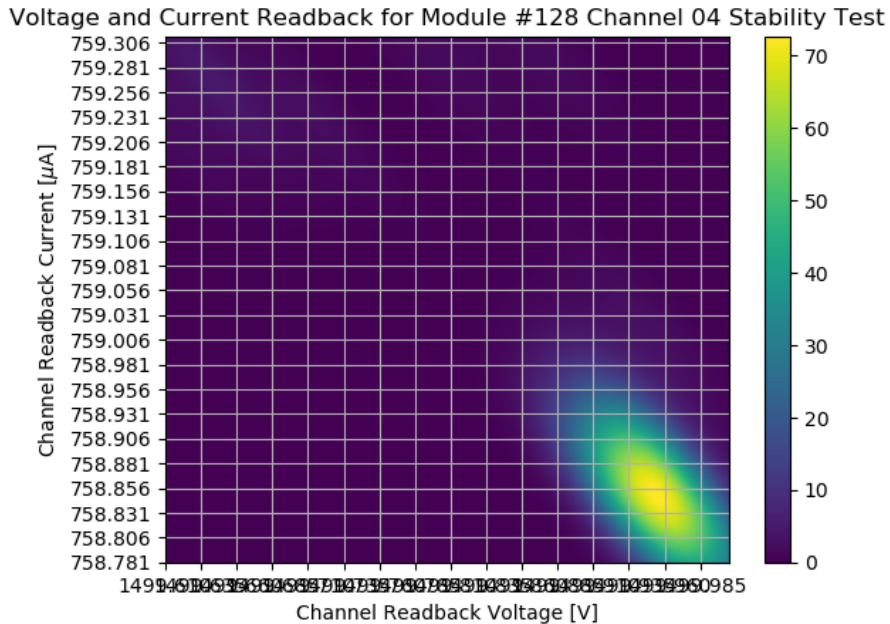
Mary Ann Antonioli, Peter Bonneau, and Aaron Brown

1. Will complete procurement list for instrumentation by 04/23/2021
2. Will set up meeting to discuss LabVIEW front panel development

3. Voltage and Current Density plots

Aaron Brown and George Jacobs

1. Completed density plots; uploaded to [NPS Technical Documentation](#) webpage
2. Will modify Python code to fix overlapping axis labels; will redo plots



Voltage and current density plot for module 128, channel 4; x-axis tick labels unreadable