

DSG-NPS R&D Meeting

Date: September 22, 2020

Time: 11:00 – 11:45

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

1. CSS screen development status

- 1.1. Voltage and current limit settings screens for each PMT—127 of 1080 screens completed
- 1.2. Screens will be moved to a computer on the Hall B subnet for testing once all screens have been completed
- 1.3. For proposed Module Temperature Monitoring screen, will discuss with Brad Sawatzky/Stephen Wood automatic OFF and manual ON button, and temperature threshold for shut off

2. CAEN testing and data analysis

- 2.1. George will be completing all testing data analysis using Excel; four modules remain to be analyzed for voltage stability
- 2.2. Software for over current trip testing has been completed
- 2.3. Software for over voltage trip testing in progress
- 2.4. Mary Ann will be running a Python package for trip test data analysis

3. Researching alternative temperature sensors to be used in hardware interlock system

4. HV divider cables fabricated—790 of 1100

5. Voltage rating issues still awaiting decision

6. SAMTEC connectors for multi-conductor cables have been ordered

- 6.1. Assigned buyer: Brittany Tolbert
- 6.2. No expected delivery date as yet