

DSG-NPS R&D Meeting

Date: September 15, 2020

Time: 11:00 – 12:00

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

1. CSS screen development status

- 1.1. EPICS screens created by Mary Ann will be moved to a computer on the Hall B subnet for testing
- 1.2. Voltage and current limit settings screens for each PMT—108 of 1080 screens completed

2. CAEN testing and data analysis

- 2.1. George will be completing all testing data analysis using Excel; eight modules remain to be analyzed for voltage stability
- 2.2. Decided on $\sim 740 \mu\text{A}$ as the trip threshold and 1 s for time over threshold for the trip test being developed
- 2.3. Brad dropped off four A1535 modules for testing/troubleshooting; contacting CAEN for firmware

3. An Omega 4-wire RTD (PT100) is the front runner for temperature sensors to be used in hardware interlock system

4. HV divider cables fabricated—760 of 1100

5. Voltage rating issues still awaiting decision