

DSG-NPS R&D Meeting Minutes

Date: September 28, 2021

Time: 11:00 AM – 12:35 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. Reviewed 09/21/2021 R&D Meeting minutes

DSG

1. Link for details: [09/21/2021 DSG-NPS R&D Meeting Minutes](#)

2. Hardware Interlock System development

Mary Ann Antonioli, Peter Bonneau, Aaron Brown

1. Discussed thermocouple calibration
 - Contacted Carlos Munoz about calculating offsets instead of a proper calibration since the thermocouples are already embedded in the crystal array
 - Carlos agrees that calculating offsets is the best option and suggested we use the chiller temperature as a reference
 - Decided to use ambient hall temperature as the reference

3. Thermal Analysis

Aaron Brown

1. Reviewed slides for the NPS Collaboration meeting

4. High Voltage Supply Cable testing

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

1. Brian Eng provided instructions on how to use the Krohn-Hite voltage calibrator
2. Testing enclosure fabrication in progress