

DSG-Hall A ECAL Weekly Meeting

Date: May 2, 2024

Time: 09:00 – 10:00

Attendees: Jimmy Caylor, Don Jones, Mark Jones, Simona Malice, Marc McMullen, Albert Shahinyan, and Bogdan Wojtsekhowski

1. Six-supermodule test stand

1. Unheated test crystals placed near the test stand have darkened due to radiation
2. The test stand is heating up to operational temperature (220° C on the face of the lead glass) after cooling down due to a disconnection of the cRIO expansion chassis

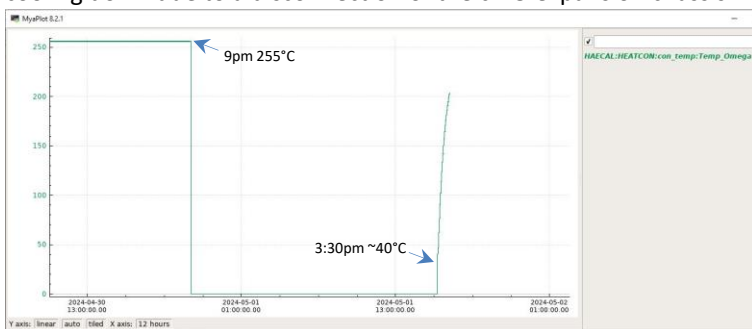


Figure 1. Plot of the detector volume temperature heating up after unintentional cooldown

2. ECAL heater controls

1. Marc sent final design of the power supply interface chassis out for quote
2. Marc received quotes for the long, Type K, thermocouple extensions
 - Automation Direct – 8 pair @ \$4 per foot
 - Audio Video Electric – 8 pair @ \$7 per foot, 16 pair @ \$13 per foot (half the cable runs), 24 pairs @ \$18 per foot (one third of the cable runs)
3. Marc is modeling the heater controls rack in NX12

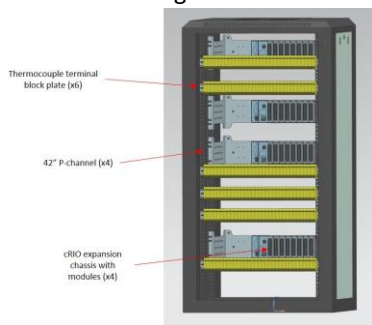


Figure 2. 24 U (~48" tall) rack contains all expansion cRIOs and thermocouple terminal blocks

3. Full system installation

1. Simona gave update on PMT test in hall
 - DAq and computer issues are impeding the testing
 - High voltage channels are having trouble ramping
2. Mu metal shield production continues (200 – 250 are ready for PMT installation)
 - Possible issue with fabrication using layered mu metal adhesive tape
3. PMT installation for full detector will be done during SAD