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<u>Hall A – ECAL</u>

Brian Eng, Mindy Leffel, and Marc McMullen

- Troubleshot thermocouples sensors Al_right and SM_bottom
 - Re-seating cRIO module fixed Al_right sensor issue (oscillating between real value and disconnected value)
 - ★ Switched to redundant sensor to resolve SM_bottom issue (temperature was not updating)
- Six-supermodule test stand heating started on 10/31
 - ★ Supermodule heaters set to 300°C, aluminum heaters set to 230°C
 - ★ Instructed ECAL lead, Don Jones, on how to operate the user interface to monitor and control

Hall A – Moller

<u>Brian Eng</u>

- Started document about tests to perform on-site at OCEM after factory acceptance test is completed
 - ★ Tests include read/write and fault bits using the remote interface

<u>Hall C – NPS</u>

Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, Brian Eng, Mindy Leffel, and Marc McMullen

- Continued revision of LabVIEW control and monitoring software
 - ★ Created subVI to configure Keysight modules
 - ★ Created three subVIS—read TC, read DC, and read FRTD (four-wire RTD)—that are used in a fourth subVI that reads the Keysight

Hall D – FCAL2

<u>Mindy Leffel</u>

• Populated 20 PMT bases; 725/1750 completed

EIC - DIRC

Peter Bonneau, Brian Eng, George Jacobs, Tyler Lemon, and Marc McMullen

• Compared inner wooden basket of old and new crates

- ★ Wooden supports are in both, but no air suspension in new
- ★ Verified old have full metal channel running underneath width of box
- Performed as-built survey of foam padding in old shipping crates; made drawing showing locations and dimensions

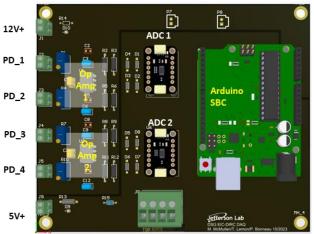


Detector Support Group We choose to do these things "not because they are easy, but because they are hard". Weekly Report, 2023-11-01

A B C C C	
62.0000 17.0012 156.0000 11.5000 109.0000	
A B C C C	C C B C B C C B C C
A- 54,x3,x3, B- 51,x8,x5, C- 30,x51,x5, D- 51,x0,x5,	E- 24'x9'x2' LBracket 24'x3'x2' SBracket 6'x3'x2' E

Foam dimensions and locations in old EIC DIRC crates

- Received 12 of 25 foam sheets for shipping crate padding; remaining 13 are expected end of November
- Received short and long wooden brackets from Shoreline Industries, Inc.
- Completed component placement on the data acquisition PCB



Altium rendering of the EIC DIRC DAQ board

- Measured, marked, and drilled holes for cRIO chassis DIN rails
- Reviewed DAQ schematic after modifications; made breadboard prototype of circuit

<u> EIC – Beampipe Thermal Test</u>

Pablo Campero

- Attempted simulation; monitored velocity and energy residuals
 - ★ Solution in steady mode did not converge after 300 iterations
 - * Reworking mesh due to issues during first attempt of simulation