

DSG-Hall A ECAL Weekly Meeting

Date: December 14, 2023

Time: 09:00 – 10:00

Attendees: Ellen Becker, Aaron Brown, Jimmy Caylor, George Jacobs, Donald Jones, Mark Jones, Tyler Lemon, Simona Malice, Marc McMullen, Albert Shahinya, Bogdan Wojtsekhowski

1. DSG – ECAL update presentation

Marc McMullen

1. Marc McMullen gave a [talk](#) on the current status and upcoming work for the test stand and the development plans for the full system
2. DSG will make a list of components to be procured to readout the crystal and light guide temperatures
 - DSG will procure two additional cRIO expansion chassis and modules to readout the crystal and light guide temperatures
3. DSG will start development of the disconnect chassis prototype in January 2024
 - Estimated completion of a prototype for testing is mid to late February of 2024
 - DSG will update Hall A on what connectors need to be added to the power supply cables for the control voltage

2. Six-supermodule test stand

1. In January DSG will install a new cRIO 9045 controller in the counting house and a cRIO 9149 expansion chassis in the hall
 - Both are in-hand
 - This will prevent radiation damage to the cRIO and controls software
 - The expansion chassis costs about a quarter of the price of the cRIO controller

3. Full system installation update

1. Hall A has started installing the supermodules in the detector frame in the hall
 - Supermodule installation completion estimate is in February of 2024
 - PMT instrumentation estimated to start in March – April of 2024

– **These timelines are not final**
2. Hall A engineers are concerned about cooling the full detector
 - The test stand will have cooling added to it for the spring run
3. DSG will provide a timeline for full system thermocouple extensions (~190), relay coil control (48), and control voltage (48) cables in mid to late January
4. Hall A has suggested that part of the full system could be available by April 1, 2024
 - **DSG will look into this to see if the timeline is feasible**

