

DSG-Hall A ECAL Weekly Meeting

Date: February 22, 2024

Time: 09:30 – 10:30

Attendees: Deb Biwas, Jimmy Caylor, Donald Jones, Mark Jones, Simona Malice, Marc McMullen, Albert Shahinya, and Bogdan Wojtsekhowski,

1. DSG – ECAL controls development

1. CPO approval for PR427288 (Crystal and lightguide temperature monitoring cRIO modules) is still pending budgeting
2. Marc will order a fourth Omega process controller to monitor the cooling volume (lightguide to PMT interface area)

2. Six-supermodule test stand

1. Marc completed the software migration to the new cRIO and expansion chassis
2. Marc will test the controls and safety system prior to handing off to Don
 - Don will heat up the test stand to 220°C on the front flanges and start the cooling volume blowers
3. Marc has updated the GUI and installed it on the Hall A ECAL dedicated laptop

3. Full system installation update

1. Jimmy is still working on assembling a jig to help with building the cooling system
2. Simona gave an update on the PMT work
 - Mu-metal material has arrived to start mass fabrication of PMT shielding
 - Mu-metal fabrication ePAS completed; ESC001 is required for participation
 - Fabrication training session date and time is under consideration
 - Tooling for leveling the backplate to the light guides are in hand
 - Simona and Jimmy are developing a procedure and ePAS for PMT installation
 - Simona observed some imperfections and dirt on the back of the crystals and less than optimal contact at the light guide to crystal interface
 - The best ones will be selected for the in-beam test in April