

DSG Meeting Minutes – Wednesday, July 02, 2014

Antonioli, Mary Ann:

- Entered in the actual-current-vs.-calculated-current spreadsheet, calculated currents of modules P23—P50.
- Fabrication and testing of HV test cables completed.
- Fabricated and tested three laminated cables for the Hall B SVT slow controls patch panel.
- Connected cables, with Tina and Mindy, to the Hall B SVT slow controls patch panel.
- Wired a 64-pin DIN terminal block with jumper cables, for Hall B SVT slow controls.
- Identified SVT cost-point expenses with activity ID.
- Organized, with Tina and Mindy, DSG cabinets in hallway.

Bonneau, Peter:

- Discussed human machine interface (HMI) (a.k.a. GUI) and transport of the Hall D target controls system to Hall D for target cool down.
- Setting up computer for Hall D target controls work in EEL 121.
- Set up test station for SVT environmental test boards.
 - This test station uses a LabVIEW test program, VME mini crate and controller, and a Highland V450 ADC.
- Copied new DSG webpage to the newly write-enabled www/html area for the physics division. The new permanent web address is: https://www.jlab.org/div_dept/physics_division/dsg/.
 - Links and support pages are being updated.

Butler, Dave:

Hall D

- Worked to get the Target PLC running on the Hall D controls network.
- Read, modified, and wrote procedures and checklist for the solenoid cool down.
- Prepared controls/interlock information and slides for the Hall D readiness review.

Eng, Brian:

Hall B SVT

- Swapped HV distribution cable to production version on FNAL test stand.
- Performed final inspection of backing structures: 26A, 28A, 29A, 30A.
- Tested HFCBs: 028, 029, 036, 037.
- Completed modules: P27, P28.
- Assembling in progress: P29 - P32.

Jacobs, George:

- Completed Hall D safety training
 - Meeting with Dave Butler in Hall D, Hall B, ESB, and EEL.
- Demonstrated scissors lift in clean room for safety incident investigation team.
- Received approval from Bob Miller for modification of R2 HV cable.
- Disassembled old DC gas components.

- Supervised Sahin on testing of R2 DC 4.
 - Transferred gas and HV to R2 DC #3, #4, and #5.
- Met with Paul Hanson, the new designer, regarding torus cable trays and gas manifolds at the ESB, EEL, and Hall B.
 - Requirements set by Bob Miller and Paul Hansen.
- Started loan renewal process for manlift used for ODU clean room maintenance.
- Analyzed the results of the free acid titrations performed at AES on the flux used for soldering.
 - Based upon these results, recommended that this analysis be no longer performed.

Leffel, Mindy:

- Completed last two HTS boards, #11 and #12.
- Checked continuity of HTS cables, from the board to the crimp ferrules.
- Attached bypass wire to 15 Hall B CTOF PMT circuit boards.
- Worked with Mary Ann and Tina to wire-up Hall B SVT slow controls patch panel.
- Worked with Tina to set up Peter's microscope.
- Organized DSG supply and equipment cabinets.

McMullen, Marc:

- Addressed recommendations of the Manufacturing Readiness Review (MRR).
- Made a sketch of the clean room assembly area with anti-static mats and cable routes.
- Ordered:
 - Anti-static mats and cable protectors for cleanroom assembly area and terminal blocks, caps, assembly table cable strain reliefs, cable components and circuit breakers for the SVT VME panel.
- Updated SVT materials' delivery schedule.
- Fabricated grounding cables for assembly table (12 AWG), HFCB L1C (18 AWG), and cable shield to LV- termination.
- Testing bus cable panels, two of three completed.

Mann, Tina:

- Fabricated three Hall B SVT slow controls cables with 25 pin D-sub connectors on both ends.
 - Prepping 5 more cables, which will have 25 pin D-sub connectors on both ends, to complete the 10 needed (waiting on female connectors).
- Installed cables for the VME to patch panel break-out box with Mary Ann and Mindy.
- Measured resistance of daisy-chain wires on patch panel break out box.
- Organized supply and equipment cabinets, with Mary Ann and Mindy.
- Received an overview of the Hall B LTCC project (setup, test equipment, dark box, mirrors, test program, daily calibration)

Sitnikov, Anatoly:

- Measured voltage on Hall B DCHV channels.
- Cabled Hall B R2 DCHV.
- Prototyping fixture for cutting boron-silicate fibers, Hall B CTOF.
 - Diameter of fibers 1.42 mm and 0.2 mm.

Teachey, Werth

Hall D Target

- Installed target PLC in the designated rack in Hall D.
 - Uninstalled target PLC from the target cart in the EEL.
 - Installed target PLC in the designated rack in Hall D.
 - Routed and terminated network cables in Hall D to communicate with the target PLC.
 - Configured the Target PLC in Hall D so that it can communicate with the control PC in Hall D
 - Started the HMI (GUI) for the Hall D target PLC readback and controls.