DSG Meeting Minutes – Wednesday, October 1, 2014

Antonioli, Mary Ann:

Hall B

- Fabricating HV distribution box #4 for **SVT Power Supply System**.
    - Connected back panel connector 7 and front panel connectors of column 7.
- Data-analyzing small Winston cone's reflectivity results for **LTCC**.
- Trained with Sahin on dead/hot wire detection for **DC**.

Arslan, Sahin:

Hall B

- Installed HV cables, jumper cables, and signal cables on **DC R3S4**.
- Testing HV and signal readout of **DC R3S4.**
    - Measuring current and checking hit map.
- QC-ed HFCBs of **SVT**.
- QC-ed wire wrap of HV pins and cables and fixed loose wraps on **DC R1S3**.
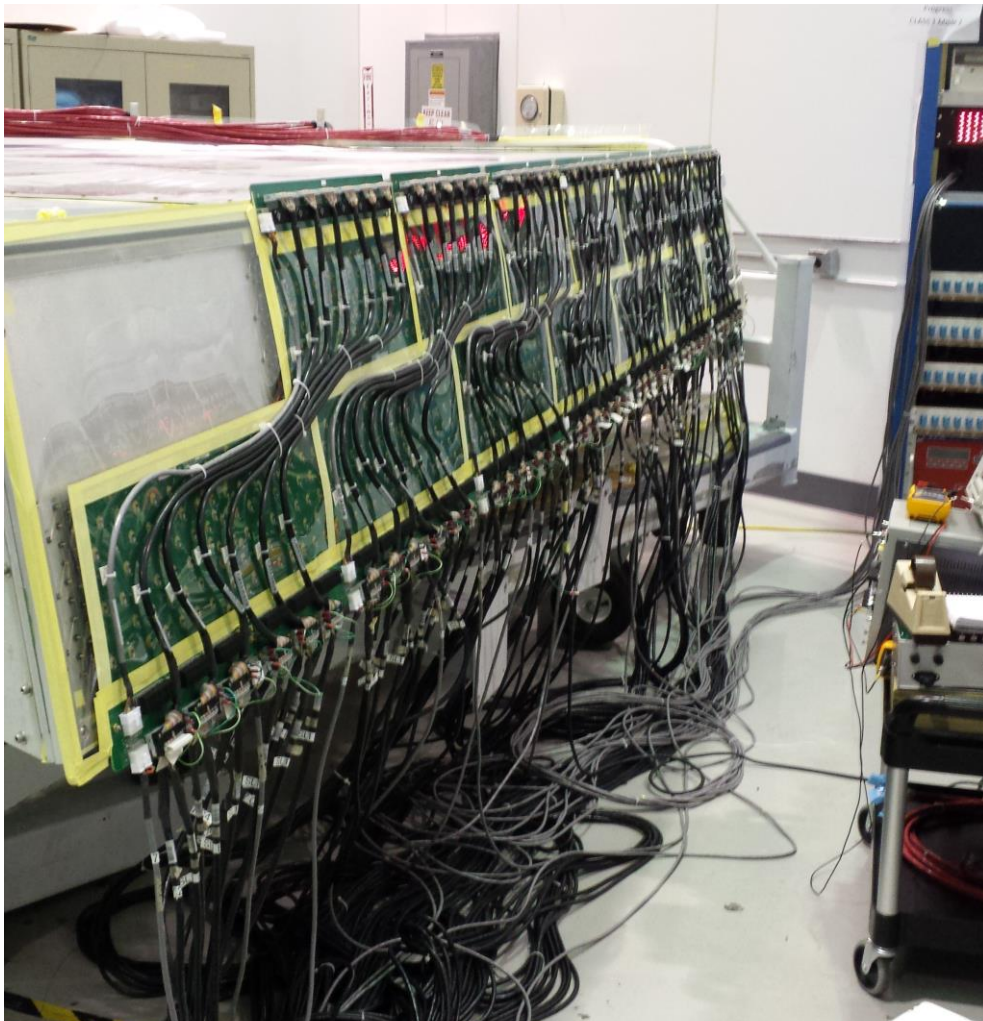
Cabling of R1S3

Bonneau, Peter:

Hall B

- Reviewed slow controls alarm handler files of **LV, HV, Interlock Signal, and Environment Monitoring Systems.**
  - Verified correctness of file for all four SVT regions.
- Tested dew point interlocks of the **Environment Monitoring System**.
  - Determined and reported to Accelerator Controls Group that alarms didn't engage when Environment Monitoring System's sensor boards were disconnected.
  - Retested alarms (after code correction) of EM system.
- Discussed with Sue Witherspoon (Accelerator Controls Group) programming status of the **Interlock System**.
  - First operational version of the code for Interlock System should be ready this week.
- Posted progress-tracker sheet and updated documentation on **SVT Slow Controls Website**.
  - Documentation is a comprehensive collection of ~130 files. It details:
    - individual component, overall system, and VME module specifications,
    - interlock fault charts,
    - examples of GUI screens,
    - rack, crate, and module assignments,
    - humidity sensor calibration constants,
    - signal list of channel assignments for VME, LV, HV, and environmental sensors
    - VME V450 ADC driver code.
- Completed setup of the slow controls computer needed for the **SVT Assembly**.
- Reviewed, prior to procurement, slow controls interface specifications for the backup cooler of the **SVT Cooling System**.

Butler, Dave:

Hall D

- Optimizing PLC software for **FCAL/Pair Spectrometer**, **BCAL**, **Start Counter/CAEN Reset**, **FDC-CDC Gas System**, **Solenoid**, **and Tagger CAEN Reset/Amorphous Radiator**.
  - Only addressing issues I consider important
- Tuning Cryo valve PID code for optimized operation of **Magnet**.
  - We are spending a lot of time on this to improve control of the helium tank pressure which was believed to have been a contributing factor in the great quench of 2013.
- Ensured all cables were labeled and properly routed *as per* Fernando Barbosa for the **PLC Slow Controls System**.
- Tested beam disable signal for **Amorphous Radiator**.
- Attended meeting on **FDC.**

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- Checked cRIO development system for **System Controls**.

Eng, Brian:

Hall B

- Completed reception testing of 10 **SVT Production Modules** from Tina and Yuri's shifts.
  - No new problems; however, due to prior issues (dead /un-bonded channels), 8/10 can be used.
- Searched, secured, and sent FEDEX tracking receipt of **SVT Pitch Adapter** to Fermi.

- – Pitch adapters were received at Fermi, but are still missing.
  - – Discussed pitch adapter pad cleaning process with Miguel at Centro Nacional de Microelctronica, (CNM) Spain.
- Trained Sahin on how to test **SVT Production Modules**.
  - – Went over SVT elog commands used for register tests and gain scans during module production at FNAL.

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- Rebuilt Windows 7 computer for **microscope/camera setup** in EEL/121C.
- Completed ODH training as required by **SRL**.

Hall D
- Completed safety training for **Hall D access**.

Jacobs, George:

Hall B
- Meetings with:
  - – QA group, Hogan, FX, Lenzer, Morgan, on **magnet conductor.**
  - – Bob Miller and Wayne Sachlen on **DC work platforms**.
  - – Saptarshi Mandel on availability of **clean room space**.
    - ▪ Sent Saptarshi drawing file and a DXF file for the EEL room 124 -125
  - – Paul Hanson on cable routing of R1 and design of **DC R1 trays**.
- Post-job walk-through and preview of next job with Cryo techs, Dano Oprisko and Joshua Ingoldsby for gas piping of the **Gas System**.
- Ordered miscellaneous hardware for **DC Instrumentation** from McMaster Carr.
- Supervising QC tests of **DC R3S4**.
- Planning for installation of the **DC Gas Valve Assembly**.
- Mapped gas lines running from the Hall B gas shed to Hall B for the **Gas System**.
- Ordered gas for testing **drift chambers**.

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- Started appraisal process for direct reports and matrixed **staff**.
- Produced spreadsheet with **FY2014 expenditures**.
- Updated expectations for **direct report**.

Leffel, Mindy:

Hall B
- Modifying drain wires on signal (done 2/18) and slow-controls cables for **SVT** R3.
- Worked with Tina on **LTCC**
  - – Sorted Winston Cones into three groups (small, medium (clear) and large)
  - – Unwrapped ~25 small cones for testing.
  - – Repackaged 30 Winston Cones after UV testing.

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- Fabricated two network cables and started prepping nine more for **DSG Control Room**.
  - – Trimmed jackets and started straightening the wires.
  - – Created inventory list of computers in DSG group.

Mann, Tina:

Hall B

- Calibrating and testing of small Winston cones of the **LTCC**.
  - Tested 30 small Winston cones with UV light.
  - Separated plastic and large cones in boxes and repacked to prepare for testing.
  - Unpacked and staged small cones for testing in the darkbox.

McMullen, Marc:

Hall B

- Completed QC of 11 **SVT HFCBs**.
  - Sent nine HFCBs to Fermi for module production.
  - Sent one HFCB to Compunetix for repair.
  - Held back one HFCB because of part number duplication.
  - Glued down with epoxy two lifted pads of two capacitors.
- Trained with Sahin on **Drift Chambers**.
  - Hooked up signal cables on two boards.
- Traveled to
  - Compunetix to have module P8 repaired.
    - Nanonics data connector replacement and to pick up populated HFCBs.
  - Compunetics to check the progress of the PPG solution replacement and HFCB job restart.

Sitnikov, Anatoly:

Hall B

- Polishing 66 (diameter 1.4 mm, 29 mm long) boron silicone fibers for the laser calibration system **CTOF**.

Teachey, Robert Werth:

DSG

- Installed
  - EPICS base and extensions on personal Linux Box.
- Compiling EDM **Linux box**.