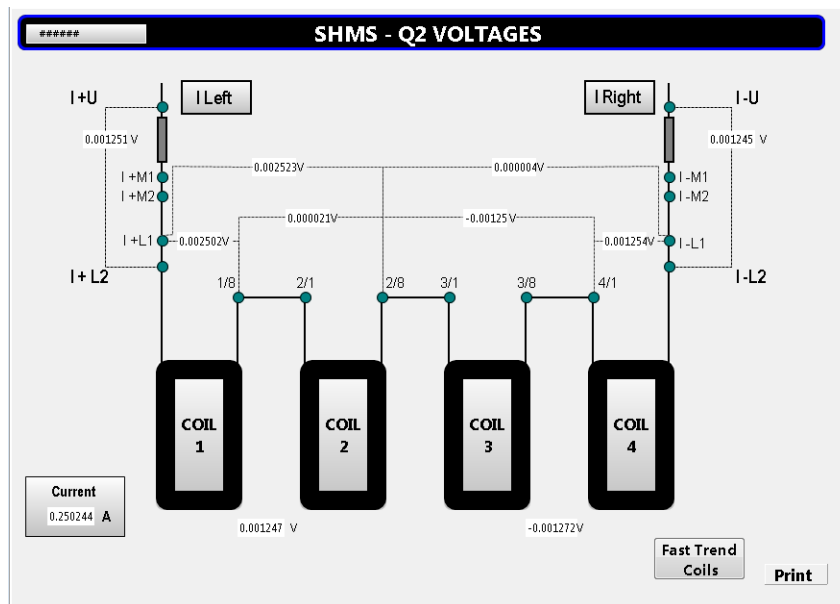


Summary

Hall C - EPICS

- Three CSS-BOY screens developed to monitor voltage tap measurements on SHMS Q1, Q2, and Q3.



CSS-BOY screen for SHMS Q2 Voltage Monitoring

- Three CSS-BOY screens developed to plot measured voltage vs. time for SHMS Q1, Q2, and Q3.
- CSS screens for CAEN HV system tested in Hall C counting house.
 - ★ Channel power control, power status monitor, voltage monitor, and current monitor worked correctly.
- Developing Tcl/Tk-to-CSS conversion program, which uses CSS's Java packages.
 - ★ Developed scripts to display voltage and current monitoring PVs in histograms.
 - ★ Implemented template screens used with macros to display a channels' controls/monitoring widgets.
- Modified program that generates channel map, group map, and ALH configuration file to be executable from CSS.
 - ★ Control to initiate file creation added to HV system's main menu.

Hall C - CAEN Test Station

- Wrote and tested Java code, which sets values for all channels of a HV board.
- For EPICS database creation, VisualDCT installed on dsg-b-linux1 PC.

Hall A - HCAL

- HV cables labeled for quadrant two.



Detector Support Group

Weekly Report, 2019-05-15

Hall A - BIGBITE

- Assembly procedure for Big Bite calorimeter super-modules created.
- Seven super-modules assembled.

Hall B - RICH

- Connector on new Dwyer pressure transducers (PTs) for air tank wired to cable.

Hall B - RTPC

- RTPC gas controls interface chassis wired and ready for testing.

Hall B - Gas System

- Gas Shed cRIO rebooted after crash.
- MFC power chassis modified to allow reset of all MFCs on a chassis.

HDice

- LabVIEW 2018 installed on Windows 10 PC.
- NMR project file copied to hard drive.
- Windows 10 PC re-installed in NMR Rack #1.

DSG R&D

RICH

- For implementation of Sensirion SHT85 sensors, FPGA serial data stream tested for the NI 9402 cRio LVTTL digital input/output module.

PLC Support

- Studio 5000 V28.03 downloaded to DSGTest1 PC to enable Hall B magnet PLC support.
 - * Computer for PLC development upgraded to Windows 10.
 - * Installed LabVIEW 2018 SP1, Rockwell Studio 5000 v28 & CUE software.