



# Detector Support Group

## Weekly Report, 2019-05-29

### Summary

#### Hall C EPICS

- CSS-BOY screens developed for HMS-quadrupoles 1, 2, and 3.
  - Monitor voltage tap measurements.
  - Plot voltage tap measurements vs time.

#### Hall A - HCAL

- Labeling of HV cables completed.

#### Hall A – Bigbite - ECAL

- Ten Supermodules assembled.

#### Hall A - PLCs

- Obsolete SLC 500 PLC replaced with new CompactLogix PLC (1769 series).

#### RTPC

- Gas controls software developed.

#### Hall B - RICH

- Developed scan engine interface program on NI cRIO to read up to 48 Sensirion Humidity and Temperature sensors (SHT85).

#### DSG R&D – cRIO Test Station

- For NI 9219 RTD test, routines for acquisition of samples and calculations of means and standard deviations developed; routines added to the user interface.

#### DSG R&D – PLC Test Station

- Developed routine to test smallest input voltage sensed by DI module (1769-IQ16).