

Hall A Dipole PLC Project Status

Date: May 23 – May 29, 2019

DSG Staff: Brian Eng, Tyler Lemon

1. Removed old SLC 500 PLC and replaced with new CompactLogix PLC

- 1.1. Brian & Tyler (DSG) along with Ethan (Hall A) removed the SLC 500 PLC
- 1.2. Moved wires on terminal blocks one by one from old to new (terminal blocks were different between the models and inverted, i.e. odd channels on left for one but on right for the other)
- 1.3. Ethan drilled PLC mounting plate to hold DIN rail for CompactLogix
- 1.4. Brian, Tyler, Ethan, and Jack (Hall A) tested basic functionality of supply
 - 1.4.1. Turned supply on/off
 - 1.4.2. Caused it to trip
 - 1.4.3. Reset the supply
 - 1.4.4. Jack decided this level of testing was sufficient for the first level checkout. More testing at a later date?
- 1.5. Found a DC output module that didn't have proper output levels (~19.8 VDC instead of 24 VDC)