HALL C PLC TASKS REPORT (08/23/2018 – 08/29/2018)

- Dipole field regulation PLC program in progress
    - Implemented digital filter in the code to read magnetic field from NMR PT2026 at desired rates and number of samples.
    - Filter added is making a sliding average for 60 samples every 1 second.
    - Added sampling options to HMI test screen.

- Continued development of Python Danfysik power supply simulation.
    - Successfully tested capability of program to ramp to higher currents at varying ramp rates.
    - Improved program's structure to remove duplicated logic.