

## Solenoid I&C Meeting

**Date: 11/09/2016**

**Time: 9:00 – 10:30**

- I. **Discussed timeline for cRIO system.**
  - a. All PLC and LabVIEW Solenoid programming planned to be done by end of November 2016.
  - b. I will work with Christiana to learn about Hall B Magnets cRIO systems and LabVIEW code.
  - c. In December 2016, I will take over the coding of Hall B Magnets cRIO systems from Christiana.
  
- II. **Introduction to the LabVIEW and cRIO system for Hall B Magnets.**
  - a. I was given documentation on Hall B cRIO Fast DAQ and LV System.
  - b. We looked at LabVIEW code for both Fast DAQ and LV cRIOs.
  - c. We referenced flowchart in documentation to help understand LabVIEW code.
  
- III. **Discussed a bug in the Cernox calculations.**
  - a. Bug causes incorrect readings to be passed to PLC.
  - b. There is a proposed solution to bug that involves re-running the Cernox start-up algorithm for sensor.
  - c. Part of my task list for Solenoid LV Crio will be determining best resolution for bug.
  
- IV. **Pablo, Christiana, and I will meet at 9:00AM on 11/10/2016 in Hall B for look-up tables tests.**
  - a. We will test look-up tables used to convert sensor output resistances to temperatures.
  - b. In the process, Christiana will give me an overview of the LabVIEW code for the Solenoid cRIO Fast DAQ and LV System as it is running live.