

## Hall D Slow Controls

**Date: May 30, 2019**

**Time: 10:00AM – 11:00AM**

*Attendees: Peter Bonneau, Pablo Campero, Hovanes Egiyan, Tyler Lemon, Nick Sandoval, Tim Whitlatch, and Beni Zihlmann*

1. Solenoid issues with vacuum controller solved and being monitored
  - 1.1. Solenoid nitrogen temperature isolations caused by vacuum issues.
    - 1.1.1. PLC logic for vacuum signals modified.
  - 1.2. Alarms added to check vacuum failures.
  - 1.3. Color changing feature added on EPICS GUI to monitor valve status (open or close).
  - 1.4. New vacuum alarms will remain until Solenoid gets cold (4.5 K).
2. New Solenoid PXI controller must be installed and tested before Solenoid cool-down
  - 2.1. Testing and calibration of PXI controller required prior to its installation.
3. Nitrogen and Helium alarms will be returned to their normal operation values for Solenoid cool-down.
  - 3.1. Notification Alarm Server will be restarted.
4. Remote reset for HV crates
  - 4.1. Remote control to reset VME crates added on EPICS screen.
  - 4.2. PLC response to reset CAEN HV crate remote needs to be tested.
  - 4.3. PLC code changes required to add reset function for two HV crates.
5. COMCAL
  - 5.1. New COMCAL chiller will be at JLAB by June 2019.
  - 5.2. Wiring for interlock system will be checked.
6. Mya Viewer will be replaced by new MyaPlot graphical application
  - 6.1. MyaPlot application has improved tools and graphical interface options for plotting.
7. TOF Upgrades
  - 7.1. Voltage readout upgrades require mapping updates and agreement on the syntax convention used for voltage channels.
  - 7.2. EPICS screens will be updated to match changes and upgrades of voltage channels.
8. DIRC
  - 8.1. PMTs will be installed in two weeks.
  - 8.2. Dead band readout for water level sensor will be tested.