

## Hall D Slow Controls Meeting

**Date: October 29, 2020**

**Time: 10:00AM – 10:30AM**

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

1. Solenoid status
  - 1.1. Thermal survey of power supply in process
  - 1.2. New PointIO system and temperature sensors have been procured to add temperature monitoring of power supply
2. Remote reset of cold cathode gauges (CCG) development in process
  - 2.1. Presently, CCGs can only be reset locally
  - 2.2. Once remote reset capabilities are added, a reset button will be added to expert screen for vacuum system
3. BCAL chiller communication changed to EthernetIP
  - 3.1. Nick Sandoval developed routing for communicating to chillers via EthernetIP
    - 3.1.1. Allows setting in addition to monitoring of chillers via PLC and EPICS
  - 3.2. New routine will be tested after shutdown maintenance is complete for chiller
4. Goniometer motor controller failures under investigation
  - 4.1. Suspect that controllers are being affected and damaged by radiation, causing them to fail
    - 4.1.1. If radiation is cause of problem, additional shielding may be a solution
  - 4.2. Nick Sandoval will check fuses and relays on board before sending for repair to ensure repairs cannot be done at JLab
5. WEDM GlueX overview screen corrections made
  - 5.1. Tyler Lemon updated screen to change precision of scaler rates to one decimal place
  - 5.2. Tyler Lemon corrected error causing wrong goniometer radiator type to be displayed
6. DIRC gas system monitoring PointIO system will be installed over shutdown
  - 6.1. All PointIO components on hand
  - 6.2. Still need to procure mounting rack for system