

HALL C SLOW CONTROLS REPORT (11/15/2018 – 11/21/2018)

- Implementation of EPICS slow control systems in progress.
 - ★ Update of EPICS extension programs for the stand-alone test station performed.
 - ★ Two DSG computers ordered to make Linux-based EPICS machines for system development.
- Meeting with Steve Wood to discuss EPICS Development.
 - ★ Initial SHMS & HMS CSS GUI control screens will look like the current PLC HMI to aid users in the transition to EPICS control and monitoring. Cyro monitoring with a web-based screens will be initially developed.
 - ★ The MS Windows-based SoftIOC that hosts the EPICS PV's (made from PLC tags) will be replaced at a future date with a Linux-based SoftIOC server dedicated to Hall C.
- Created test IOC on DSG-C-LINUX1 using built-in example template
- Created CSS screen to display example PVs.
- Installed Tomcat Webserver and webopi on DSG-C-LINUX1.
 - ★ Tomcat is java-based server application that CSS suggests for hosting webopi files.
 - ★ Successfully able to run Tomcat server.
- Investigated how Hall B's CSS screens are opened.
 - ★ Hall B's screens are opened by typing clascss into terminal.
 - ★ Screens are opened in runtime mode in a temporary CSS workspace.
 - ★ Does not allow users to edit screens.
 - ★ Modified script used by Hall B to work on DSG-C-LINUX1 and debugging executable to make it open a local test OPI file.
- Started development of CSS screens.
 - ★ Created a "home" screen containing menus with options for each spectrometer and magnet.
- Found many PVs aren't being archived by MYA.
- Found out that Hall B OPI is being served by a VM being run by Computer Center.