**DSG Engineering Meeting Agenda**

**Date: January 23, 2023**

**Time: 2:00PM – 3:00PM**

*Attendees:*

1. Hall B – ALERT

Marc McMullen

* 1. MFC and solenoid valve connections
1. Hall C - NPS

Aaron Brown

* 1. HV cable testing data analysis
		+ Cable #26 channel #26 had voltage and current issues
		+ Channels #16, #30, and #31 appear to have problems as well



Plot of all hv channel currents for cable #26



Plot of all hv channel voltages for cable #26



Plot of hv cable #26 channel #26 monitored current



Plot of hv cable #26 channel #26 monitored voltage

* 1. Plotting/fitting temp data – plots for crystal 185
		+ For front temps and ambient temps: *r*=0.857
		+ For back temps and ambient temps: *r*=0.600



Location of crystal 185 (circled in red)







* 1. LabVIEW debugging/testing
		+ Combined sensor enables, averaging enables, and interlock enables – they all now work from the front panel
		+ Had to redo the configuration file utility subVI to reflect changes to arrays and array sizes
		+ Noticed problem: problems with program execution
			- Sometimes the program will freeze after initialization and we’ll have to reboot the cRIO (happened multiple times in the past week)