

Documentation for L1Cal2b stand-alone power supply monitors

This is the original note by Darien:

First, it should be noted that the functionality of these scripts is incorporated into other displays which are usually being run by shifters. In particular, the calorimeter shifters power supply gui should show all of the supplies for all of the L1cal crates. These stand-alone versions predated the original version and are kept around for expert use.

To run these scripts from an online node, type

```
setup dOnline
cd /projects/D011/l1cal2b/l1cal2b_monitor/py
./LVPS_L1Cal_ADF.py LVPS_L1Cal_ADF.config &
./LVPS_L1Cal_CTKM.py LVPS_L1Cal_CTKM.config &
./LVPS_L1Cal_TabGab.py LVPS_L1Cal_TabGab.config &
./LVPS_L1Cal_control.py LVPS_L1Cal_control.config &
```

These bring up the EPICS monitoring for the ADF crates, the L1caltrack match crates, the L1cal TAB/GAB crate, and the L1cal control crate, respectively. All of these have WIENER power supplies, which are controlled and monitored via a Canbus interface, which is then interfaced to VME with a custom DZero module. The displays show voltages, currents, temperatures and fan speeds. These gui's have no control functions, only monitoring. The alarm conditions on the voltages and currents are reported to the significant event server (SES) independent of these gui's, but they gui's and the SES are looking at the same information.