

Useful information:

Instructions to run threshold calibration:

#####Load the configuration file#####

Open a terminal in lhcb-labor03

login on the readout pc

if data taking is running, close data taking to perform configuration

```
>cd sw/pacific_gui
```

```
>run ./PACIFIC
```

from the menu bar:

FPGA →

 Select Device →

 PACIFIC <0009>/<0010> (unirrad/irrad)

then from the menu select:

PACIFIC →

 Configuration

 →ReadFile→configFiles→<file of interest>

 →Write

 →Read (to read back)

close the windows

#####LED calibration#####

on lhcb-labor03 PC

open "terminator" from the dock

login on the readout pc

>run: btsoftware_readout \$HOME/configpath /data/tb2017_1

now the Server is waiting for connection

>on another terminal run: btsoftware_online \$USBBOARDPATH/configpath

RESET the run number from the button "RESET"

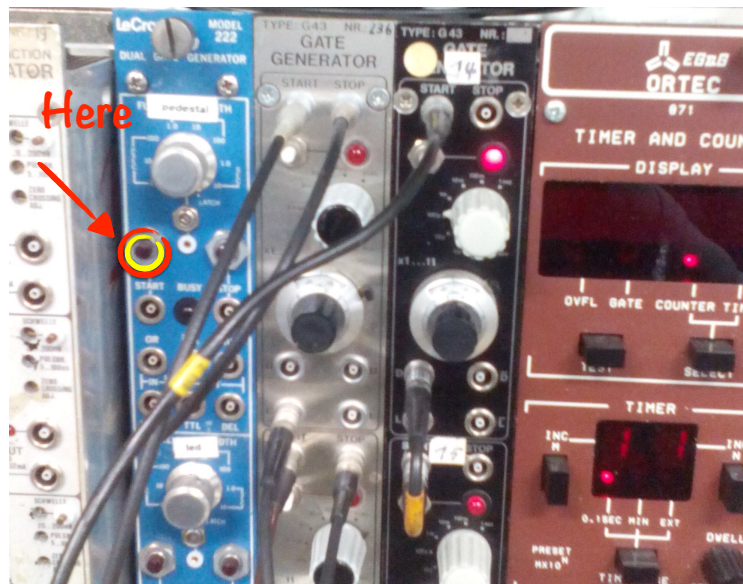
connect to the server

open the logbook from the menu "Logbook"

to save the logbook **DO NOT TYPE CTRL+S**

from the menu bar select: DAQ → Start calibration

enable the pedestal measurement pushing the button in the picture:



the LED will be enabled automatically without need to push again:

simply answer "yes" to both the popup windows

Turn off the calibration from the same button on the module

#####Start the data taking run#####

From the menu bar select:

DAQ→Start run→Start slow control: "YES"

→Event display

→Text

→Logbook

Stop the run every ~30 minutes

DAQ→Stop run

and redo a calibration

Stop run and save logbook