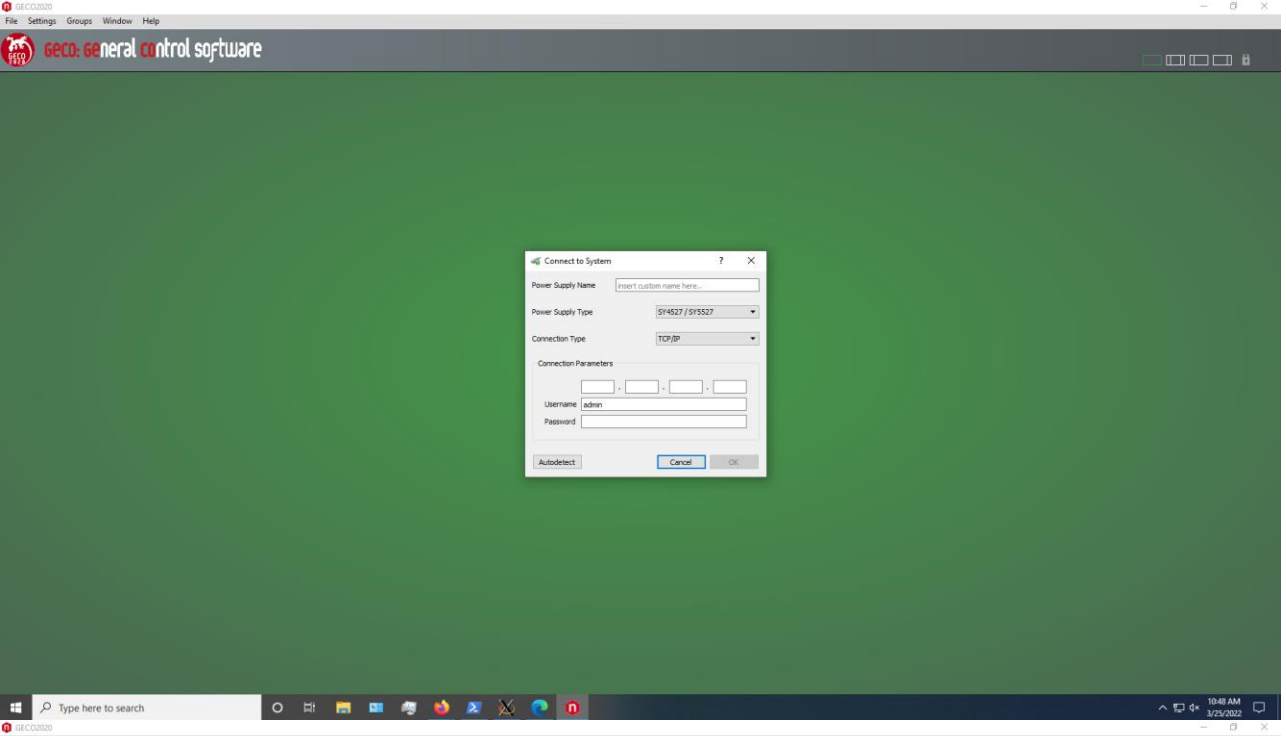
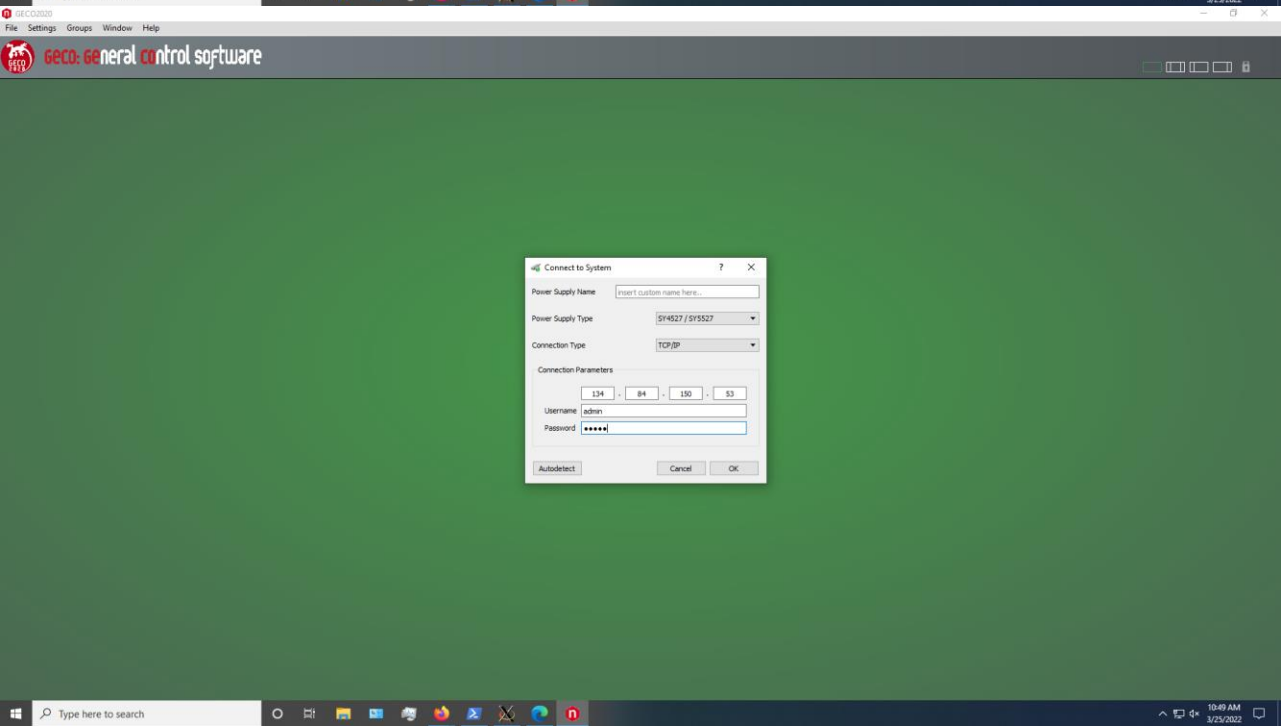




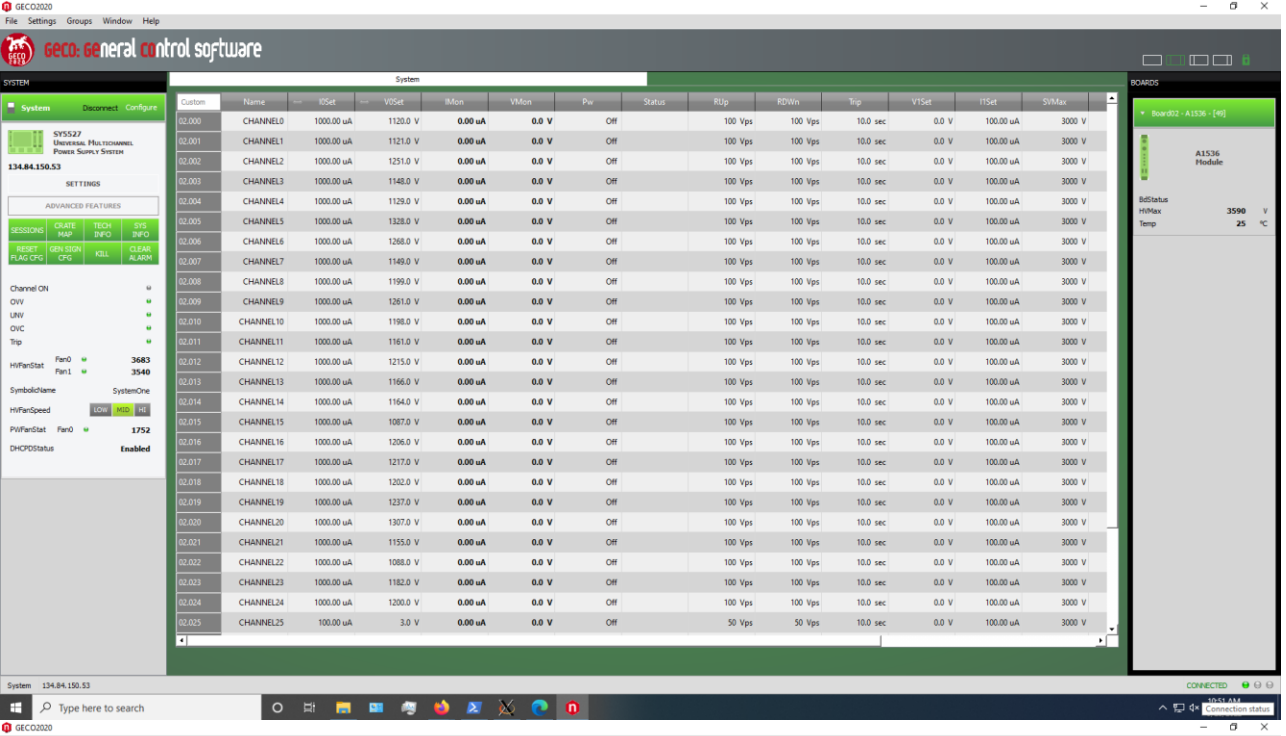
Open CAEN program

Box will automatically open prompting IP address and login. Enter in the following parameters:

Power Supply Name: Leave Blank?
Power Supply Type: SY4527/SY5527
Connection Type: TCP/IP
Connection Parameters:

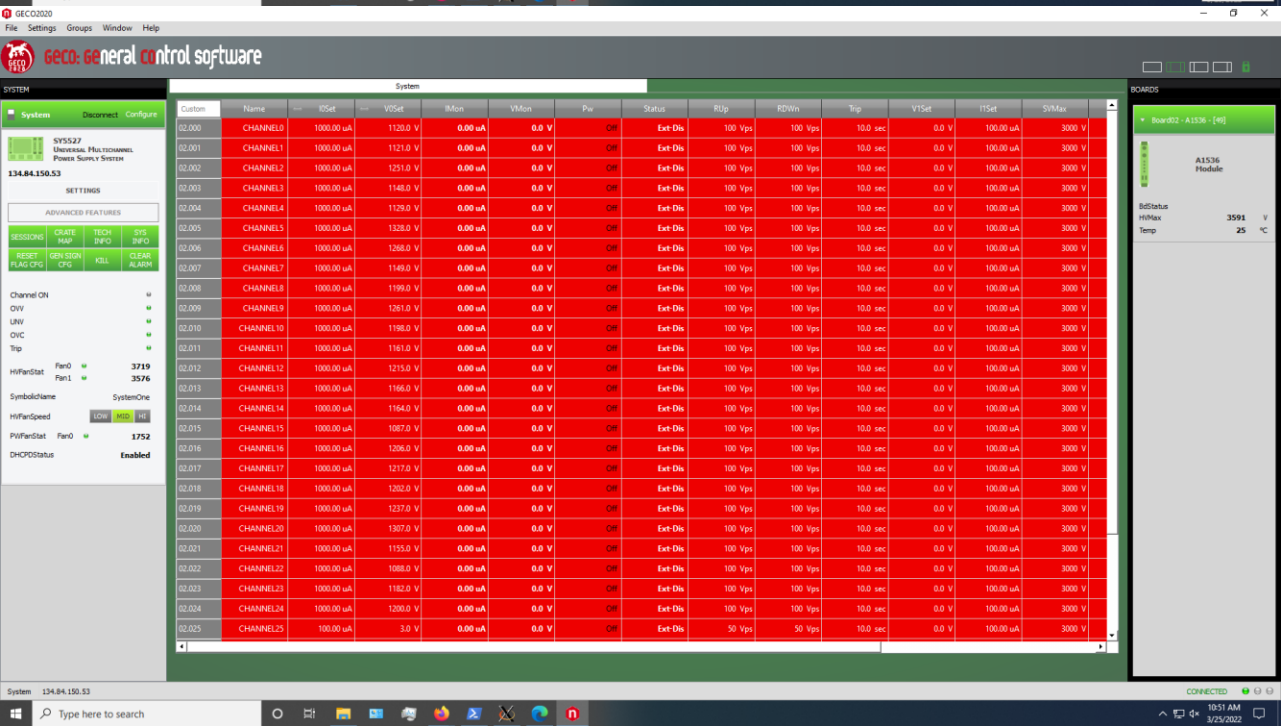
IP: 134.84.150.53
Username: admin
Password: admin

Determine if board is connected



Connected: Board will be white

continue to next slide



Not Connected: Board will be red

continue to slide #

Name: This corresponds to the cable number. Channel1 = HV #1

V0Set: This is the voltage set for each individual channel. It corresponds to the list in the excel sheet. ****DO NOT CHANGE****

VMon: Actual voltage being read

RUp/RDWn: How quickly it ramps up and down the voltage. Set at 100 Vps

ystem

Custom	Name	I0Set	V0Set	IMon	VMon	Pw	Status	RUp	RDWn	Trip	V1Set	I1Set	SVMax
02.000	CHANNEL0	1000.00 uA	1120.0 V	0.00 uA	0.0 V	Off		100 Vps	100 Vps	10.0 sec	0.0 V	100.00 uA	3000 V
02.001	CHANNEL1	1000.00 uA	1121.0 V	0.00 uA	0.0 V	Off		100 Vps	100 Vps	10.0 sec	0.0 V	100.00 uA	3000 V
02.002	CHANNEL2	1000.00 uA	1251.0 V	0.00 uA	0.0 V	Off		100 Vps	100 Vps	10.0 sec	0.0 V	100.00 uA	3000 V
02.003	CHANNEL3	1000.00 uA	1148.0 V	0.00 uA	0.0 V	Off		100 Vps	100 Vps	10.0 sec	0.0 V	100.00 uA	3000 V
02.004	CHANNEL4	1000.00 uA	1129.0 V	0.00 uA	0.0 V	Off		100 Vps	100 Vps	10.0 sec	0.0 V	100.00 uA	3000 V
02.005	CHANNEL5	1000.00 uA	1328.0 V	0.00 uA	0.0 V	Off		100 Vps	100 Vps	10.0 sec	0.0 V	100.00 uA	3000 V
02.006	CHANNEL6	1000.00 uA	1268.0 V	0.00 uA	0.0 V	Off		100 Vps	100 Vps	10.0 sec	0.0 V	100.00 uA	3000 V
02.007	CHANNEL7	1000.00 uA	1149.0 V	0.00 uA	0.0 V	Off		100 Vps	100 Vps	10.0 sec	0.0 V	100.00 uA	3000 V
02.008	CHANNEL8	1000.00 uA	1199.0 V	0.00 uA	0.0 V	Off		100 Vps	100 Vps	10.0 sec	0.0 V	100.00 uA	3000 V
02.009	CHANNEL9	1000.00 uA	1261.0 V	0.00 uA	0.0 V	Off		100 Vps	100 Vps	10.0 sec	0.0 V	100.00 uA	3000 V
02.010	CHANNEL10	1000.00 uA	1198.0 V	0.00 uA	0.0 V	Off		100 Vps	100 Vps	10.0 sec	0.0 V	100.00 uA	3000 V

I0Set: This is the maximum current allowed. If it exceeds this, it will stop running voltage through the channel. It should be set to 1000.00 uA

IMon: Actual current being read

Pw: This turns the voltage on and off. These are all set to off, but should all be on during experiment.

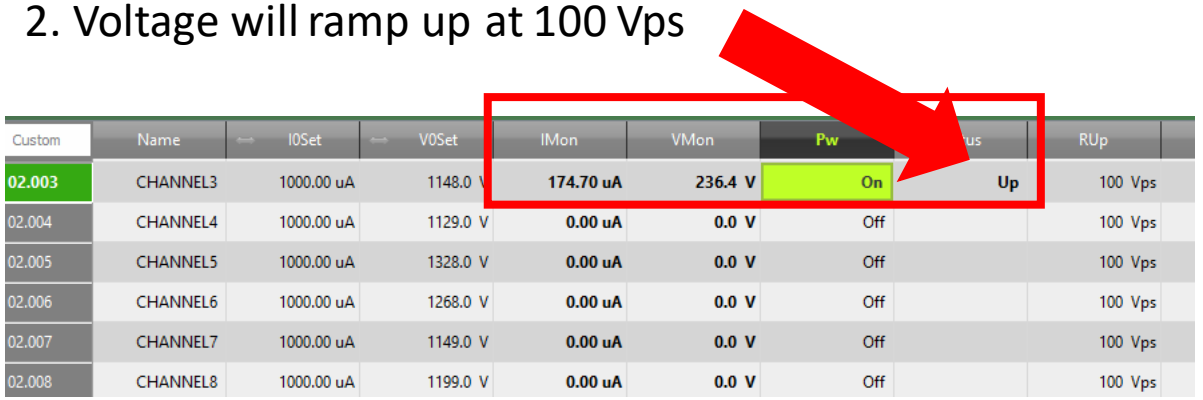
Various Presets: Do we want to say anything about these?

If board is white….

1. Power on

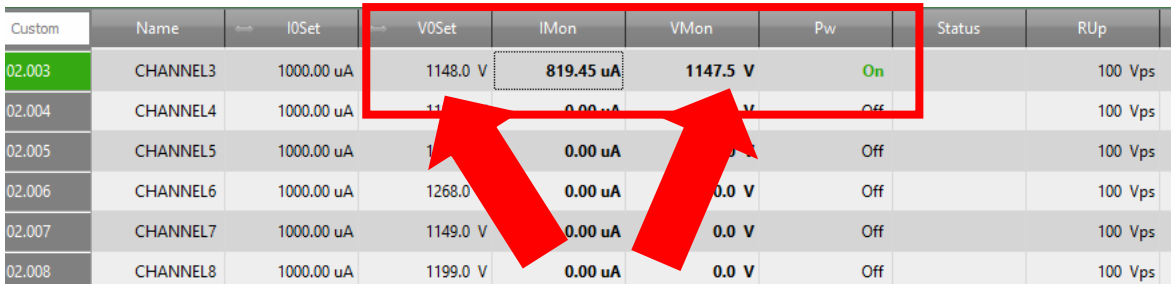
Custom	Name	I0Set	V0Set	IMon	VMon	Pw	Status	RUp
02.000	CHANNEL0	1000.00 uA	1120.0 V	0.00 uA	0.0 V	Off		100 Vps
02.001	CHANNEL1	1000.00 uA	1121.0 V	0.00 uA	0.0 V	On / Off		100 Vps
02.002	CHANNEL2	1000.00 uA	1251.0 V	0.00 uA	0.0 V			100 Vps
02.003	CHANNEL3	1000.00 uA	1148.0 V	0.00 uA	0.0 V	Off		100 Vps
02.004	CHANNEL4	1000.00 uA	1129.0 V	0.00 uA	0.0 V	Off		100 Vps
02.005	CHANNEL5	1000.00 uA	1328.0 V	0.00 uA	0.0 V	Off		100 Vps
02.006	CHANNEL6	1000.00 uA	1268.0 V	0.00 uA	0.0 V	Off		100 Vps

2. Voltage will ramp up at 100 Vps



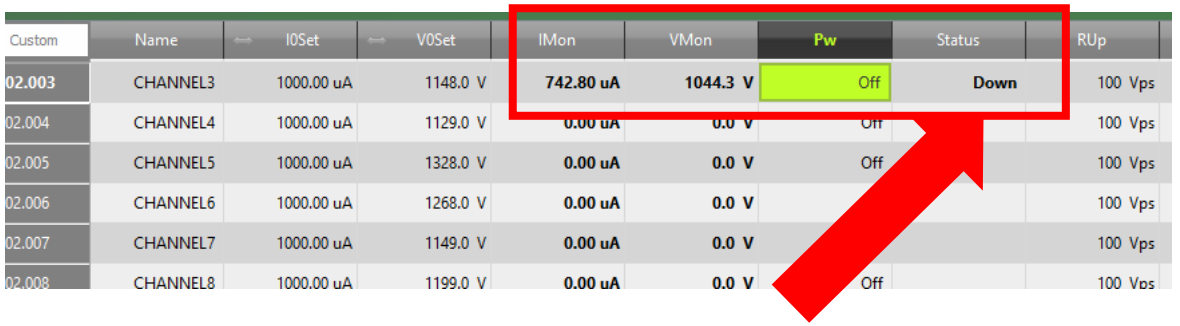
Custom	Name	I0Set	V0Set	IMon	VMon	Pw	Status	RUp
02.003	CHANNEL3	1000.00 uA	1148.0 V	174.70 uA	236.4 V	On	Up	100 Vps
02.004	CHANNEL4	1000.00 uA	1129.0 V	0.00 uA	0.0 V	Off		100 Vps
02.005	CHANNEL5	1000.00 uA	1328.0 V	0.00 uA	0.0 V	Off		100 Vps
02.006	CHANNEL6	1000.00 uA	1268.0 V	0.00 uA	0.0 V	Off		100 Vps
02.007	CHANNEL7	1000.00 uA	1149.0 V	0.00 uA	0.0 V	Off		100 Vps
02.008	CHANNEL8	1000.00 uA	1199.0 V	0.00 uA	0.0 V	Off		100 Vps

3. Voltage will level out near the V0Set value



Custom	Name	I0Set	V0Set	IMon	VMon	Pw	Status	RUp
02.003	CHANNEL3	1000.00 uA	1148.0 V	819.45 uA	1147.5 V	On		100 Vps
02.004	CHANNEL4	1000.00 uA	11	0.00 uA	V	Off		100 Vps
02.005	CHANNEL5	1000.00 uA	1	0.00 uA		Off		100 Vps
02.006	CHANNEL6	1000.00 uA	1268.0	0.00 uA	0.0 V	Off		100 Vps
02.007	CHANNEL7	1000.00 uA	1149.0 V	0.00 uA	0.0 V	Off		100 Vps
02.008	CHANNEL8	1000.00 uA	1199.0 V	0.00 uA	0.0 V	Off		100 Vps

3. Voltage will ramp down at 100 Vps

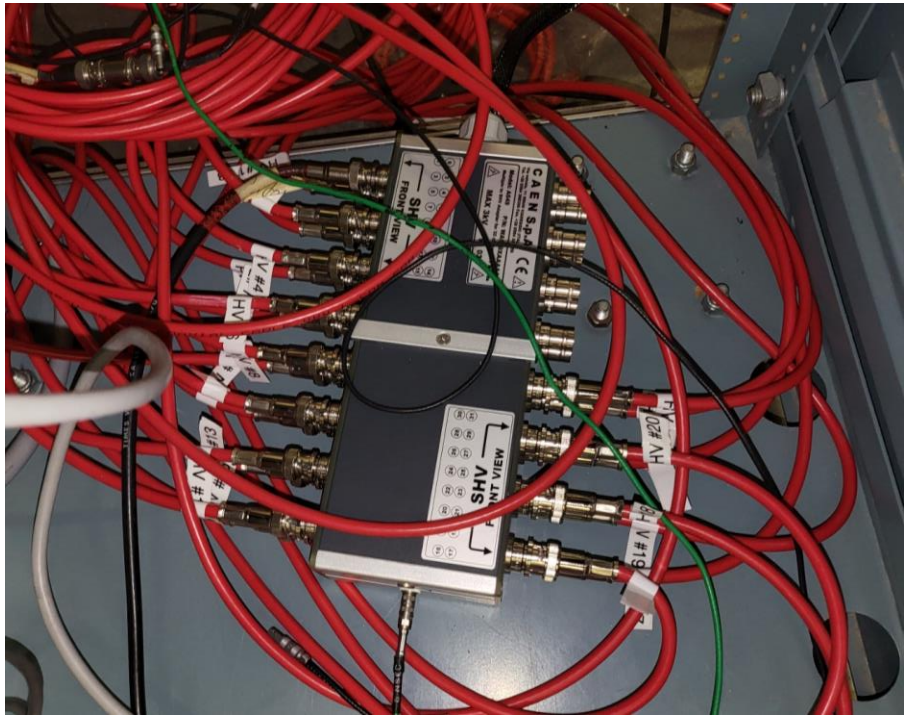


Custom	Name	I0Set	V0Set	IMon	VMon	Pw	Status	RUp
02.003	CHANNEL3	1000.00 uA	1148.0 V	742.80 uA	1044.3 V	Off	Down	100 Vps
02.004	CHANNEL4	1000.00 uA	1129.0 V	0.00 uA	0.0 V	Off		100 Vps
02.005	CHANNEL5	1000.00 uA	1328.0 V	0.00 uA	0.0 V	Off		100 Vps
02.006	CHANNEL6	1000.00 uA	1268.0 V	0.00 uA	0.0 V			100 Vps
02.007	CHANNEL7	1000.00 uA	1149.0 V	0.00 uA	0.0 V			100 Vps
02.008	CHANNEL8	1000.00 uA	1199.0 V	0.00 uA	0.0 V	Off		100 Vps

If board is red….

Locate the HV cable box

It is on the bottom of the electrical rack. It has all the red HV cables attached to it.

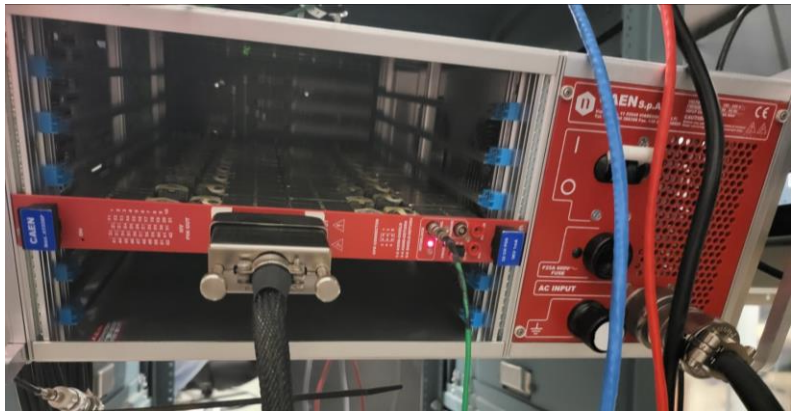


HV cable box

Locate the CAEN primary power supply

It is attached to the electrical rack above the HV cable box.

Front of the primary power supply



Back of the primary power supply

If board is red….

Make sure the interlock cable is connected

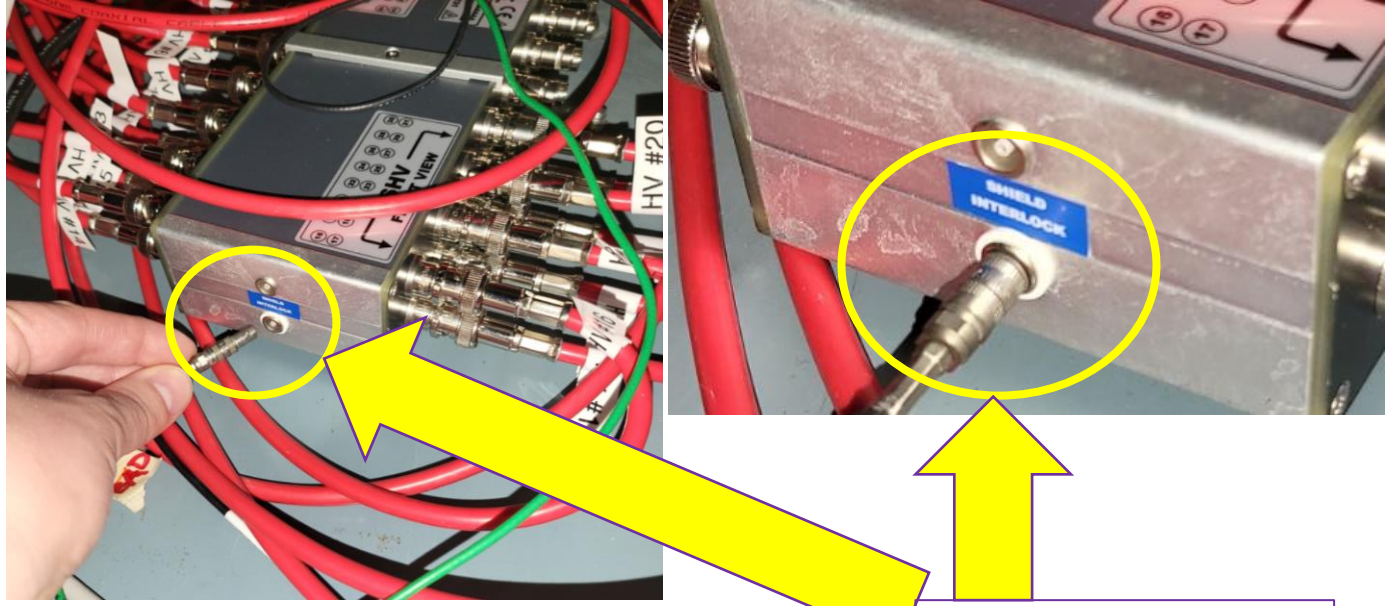
It is a small cable that connects the primary power supply to the HV cable box.

On the HV cable box

It is under the blue rectangle that says shield interlock. See image

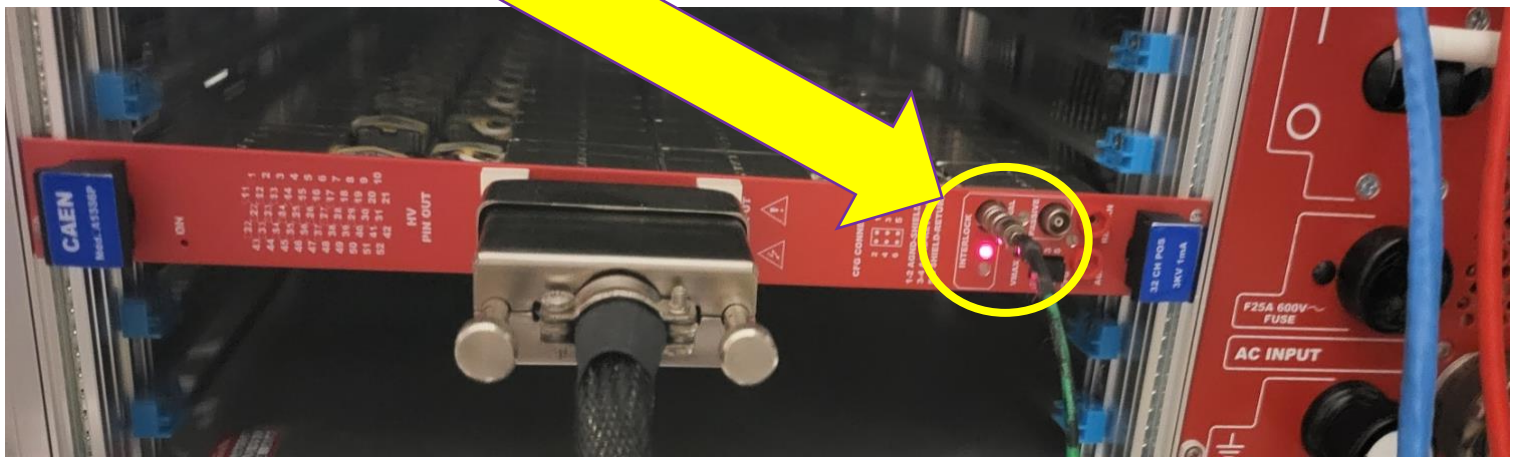
On the primary power supply

It is on the back of the box on the right side. See image

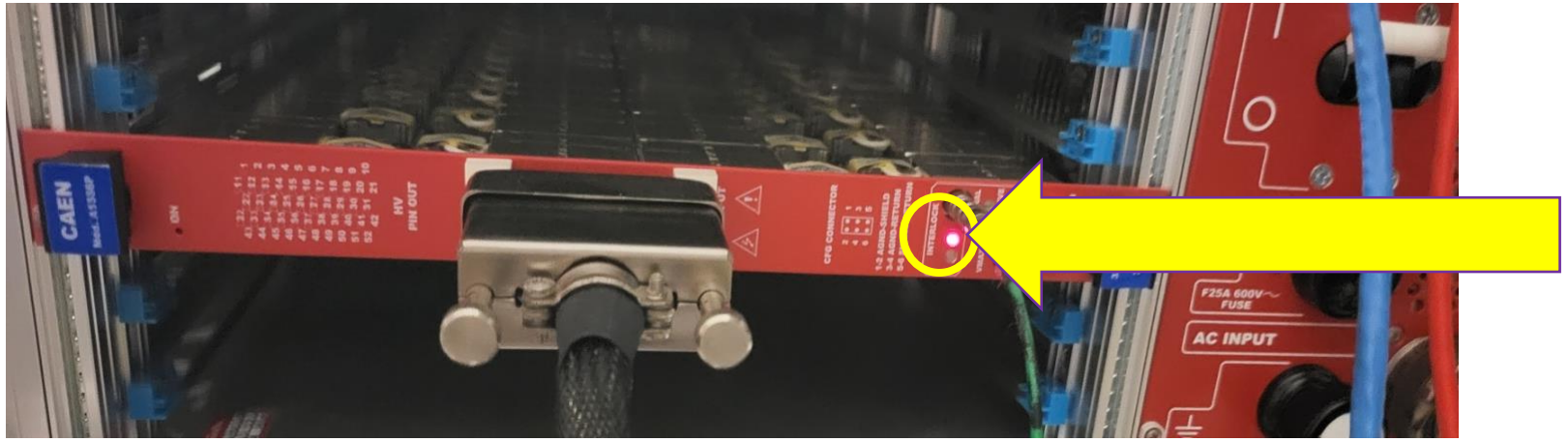


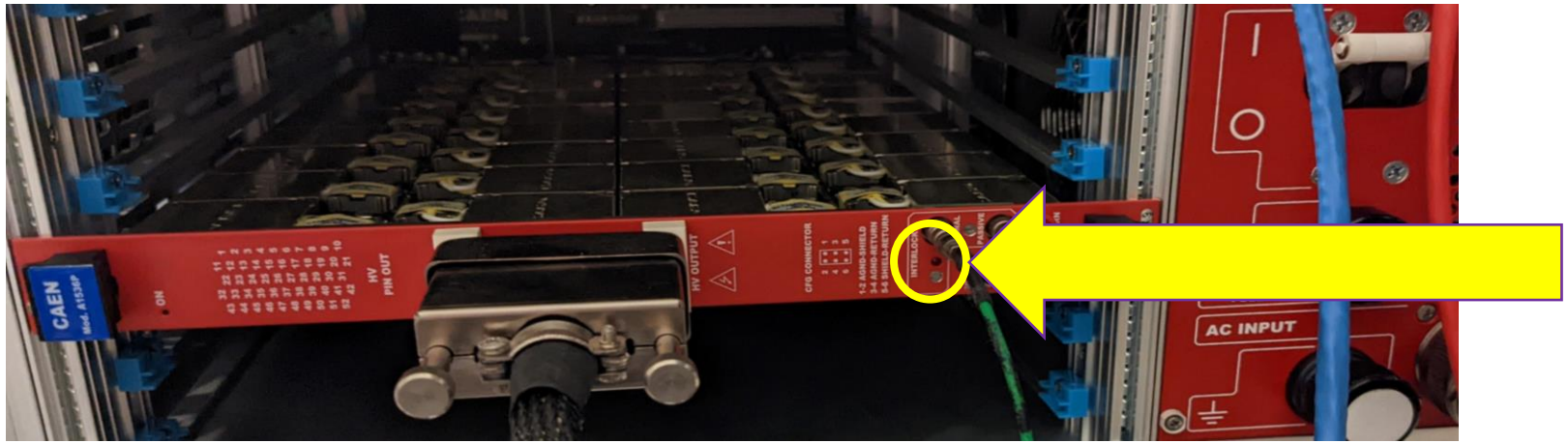
Interlock cable on HV cable box

Interlock cable on back of primary power supply



If board is red….





If successful, the red light will turn off.

If the cable was already plugged in or the red light is still on….cry. Ask Kitty and Anthony what to put here.