

Instructions for running FEB2 in integration test setup at BNL

-ssh into FELIX server felix.phy.bnl.gov

-go to working directory:

```
cd /home/felix/gui_nevis/gui-new/feb2_gui
```

-set up conda environment:

```
conda activate coluta
```

-verify that the “dev_integration” gui-new gitlab project branch is being used:

```
git status
```

-check status of power supply by running the power supply control supplyControlMod.py script:

```
python3 supplyControlMod.py TEST
```

-if supply outputs are off turn them on using the supplyControlMod.py script and typing “yes” when prompted:

```
python3 supplyControlMod.py ON
```

-open the FEB2 v2 prototype GUI

```
python3 main.py
```

-initialize and configure the board by pressing the “Configure All” button on the main GUI panel

-the terminal window should report the progress of the configuration process and whether any board components do not configure correctly

-after configuration the power supply output current draw should be ~2.2A

-if the board needs to be turned off first press the “Power Off” button in the GUI main panel

-the turn off the power supply outputs using the supplyControlMod.py script and type “yes” when prompted:

```
python3 supplyControlMod.py OFF
```