Running the MAESTRO Software

Running

1. Logon as Student. No password is needed.

2. Open MAESTRO from the Desktop icon.

3. Make sure the pull-down tab says 0001 MCB 25.

4. If a Buffer window appears also, you can just close it.

5. To acquire data click GO. To stop, click STOP. To clear, there is a clear icon to the right of the STOP button.

6. Note you'll want the live time / real time to be > 90%.

7. To save the plot, click File, Save As. Save the file as type ASCII SPE. Make a folder for your group in the Phys586-s10 folder and save your file there.

A few options are found under Acquire, MCB Properties.

1. Under Presets, one can set a time to acquire data. The units are seconds.

2. Under ADC, one can set the gain. This should be 2048.

3. Finally, note there is an option for Log scale in the toolbar.

ROI (Region of Interest)

1. The vertical cursor can be used to moved by the left and right arrow keys. The channel number and channel contents are seen in the bottom left.

2. An ROI can be defined by left-clicking the mouse botton and drawing it across the desired area.

3. By right-clicking the mouse, one can set or clear the ROI. When marked, the ROI shows up red. Also by right-clioking one can find information about the peak and sum.

Printing the Data

1. After you have saved the data in the ASCII SPE format, you can find the file by opening your group's folder. Double-click on the file will one WinPlot.

2. From here one can print the file to treekiller. Note there are plot options under Options, Plot.