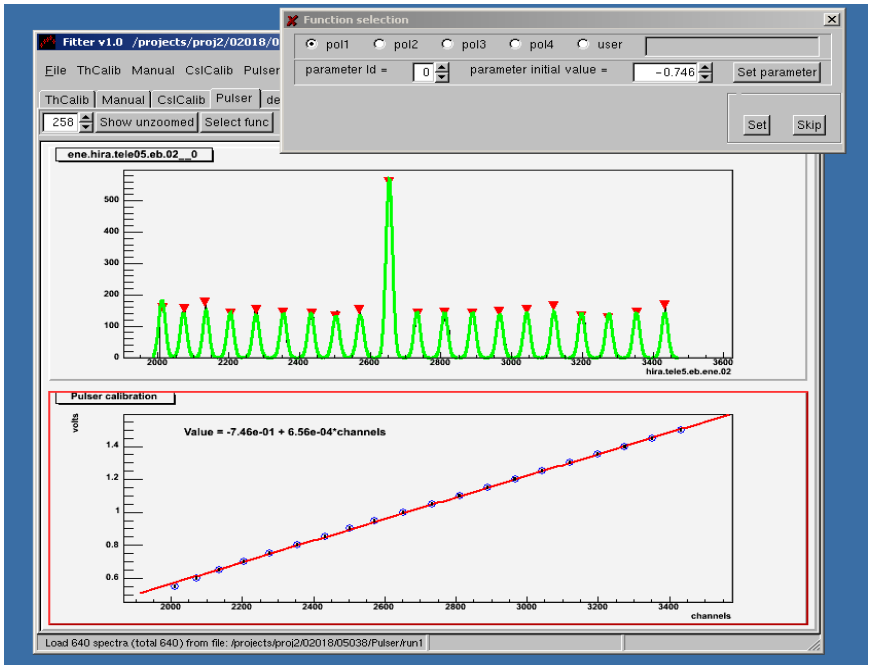
Pulser Calibrations

(Refer to the documentation “calibration.doc” for detailed calibration procedures and instructions of Fitter program)

1. Load 1d_ene_all_RAW.tcl for data sorting in SpecTcl
2. Save the spectra in .asc format
3. Copy Fitter configuration file (/projects/proj4/hira/LS_program/Fitter/fitter.cfg)
4. Change pulser parameters in the configuration file: Pulser.basePeak.volts (voltage corresponds to the highest peak); Pulser.peaks.step (difference in volts between two peaks)
5. Call “Fitter” by /projects/hira/LS_program/Fitter/fitter
6. Load the spectra by clicking “Pulser” and “Add Spectra to list”.
7. Go to “File” and click “Select tele and plane” to choose the telescopes needed to be analyzed.
8. Use the “up” and “down” button on the keyboard to fit selected spectrum, or click “all spectra” to fit all spectra automatically.
9. After fitting is finished, save the vdef.files. Go to “File” and click ”save offset/slope”, “save peak position” and “save zero point”
10. You can also turn on the “matching log ON” under “Pulser” to save each fitted spectrum into postscript file.
11. To close the program, go to “File” and click “Exit”



Remarks:

Linear fitting is the default function. To fit the peaks with higher order polynomial , go to “Select func” and choose the order of polynomial function. Self-defined function is available, but the initial value for each parameter should be define