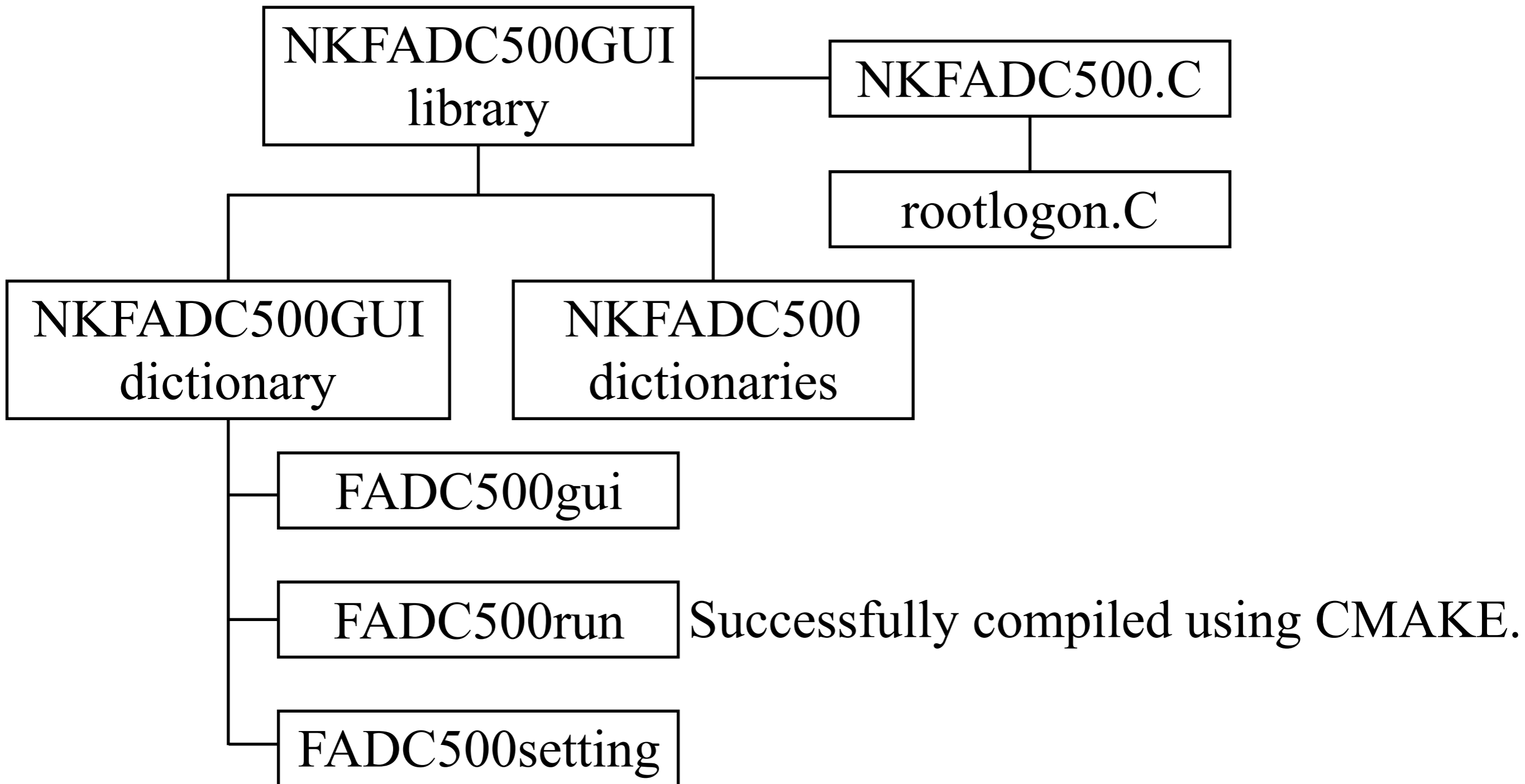


NKFADC500 GUI DAQ Development

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NKFADC500 GUI



NKFADC500 GUI

The screenshot displays the NKFADC500 GUI interface. At the top, the window title is "NKFADC500 PROTOTYPE". Below the title bar, there are menu options "File" and "Help". The main interface is divided into two main sections: "Global Parameters" and "Module#1" through "Module#6".

Global Parameters:

- Number of Modules:
- Pedestal Trigger Interval:
- Number of Events:
- Trigger Delay:
- Trigger Coincidence Width:
- Pulse Count Trigger:
- Pulse Width Trigger:
- Peak Sum Trigger:
- Peak Sum OR Trigger:

Module#1 Settings:

- Recording Length:
- Trigger Type:
- Channel#1:
- Channel#2:
- Channel#3:
- Channel#4:
- Coincidence Width:
- ADC Threshold:
- TDC Threshold:
- Pulse Count Threshold:
- Pulse Count Interval:
- Pulse Width Threshold:
- Trigger Deadtime:
- Zero Suppression:
- Pulse Polarity:
- ADC Offset:
- ADC Delay:
- Peak Sum Width:
- ADC Mode:

At the bottom of the GUI, there are four buttons: "SET SAME", "TCB", "RUN", and "STOP".

Set parameters for each channel and module.

NKFADC500 GUI

<https://github.com/mb0316/NKFADC500>

NKFADC500 GUI Program

If you have installed libusb1.0, you can easily compile this program and run DAQ on your local computer.

NKFADC500 GUI

Future plan

1. Add more functions.
2. Serious problems occur when the DAQ is terminated.
3. Draw online pulse histograms only with selected ones.