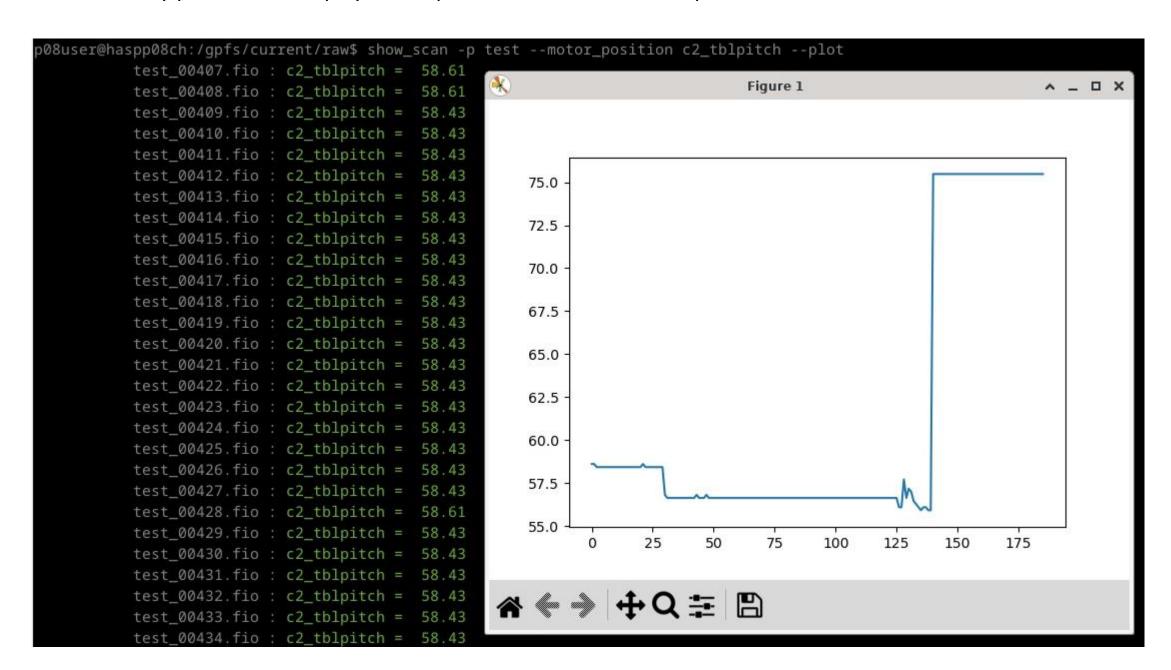
Inspection tool for nxs and fio Files

Task: provide a GUI based scan browser to quickly inspect nxs and fio files at the beamline. The cmd based tool "show scan" for fio files can be used as a feature baseline

```
usage: show_scan [-h] [-p PATTERN] [-m SCAN_MODE] [-s SCAN_TYPE] [--motor_position MOTOR_POSITION] [--column COLUMN] [--plot] [--log] [-t] [-r]
options:
                       show this help message and exit
 -h, --help
 -p PATTERN, --pattern PATTERN
                       search file pattern
 -m SCAN MODE, --scan mode SCAN MODE, --scan-mode SCAN MODE
                       scan mode, e.g. alignment, measurement, ...
 -s SCAN_TYPE, --scan_type SCAN_TYPE, --scan-type SCAN_TYPE
                       scan type, e.g. gscan, ascan, timescan, ...
 --motor_position MOTOR_POSITION, --motor-position MOTOR_POSITION
                       position of motors in scan
 --column COLUMN
                       show average of data column. NaN if column not available
 --plot
                       plot data
 --log
                       logscale plot
                       sort by time
                       reverse sort
p08user@haspp08ch:/gpfs/current/raw$
```

Filter scans by pattern and display motor parameters over time and plot



GUI draft

data folder

filter (e.g. name, type, motor, ...)

Scan list:

1: dscan om -1 1 20 .1

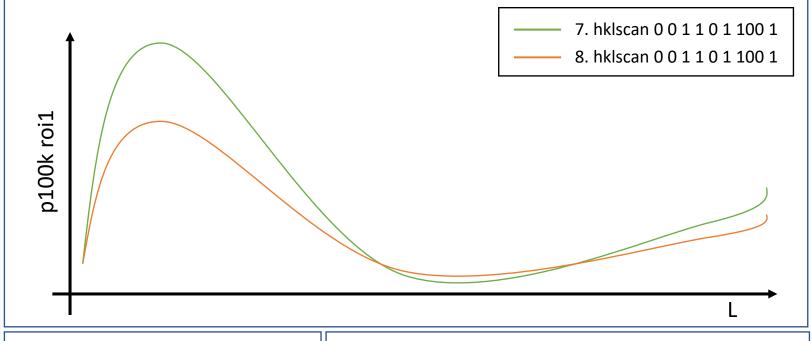
5: dscan tt -1 1 35 .1

6. timescan 10 1

7. hklscan 0 0 1 1 0 1 100 1

8: hklscan 0 0 1 1 0 1 100 1

12: dscan om -1 1 20 .1



Parameter select:

column n

column 1 param 1 column 2 param 2 ...

param n

Data display:

L p100k roi1

0.1 10

0.2 129

0.3 142

0.4 150