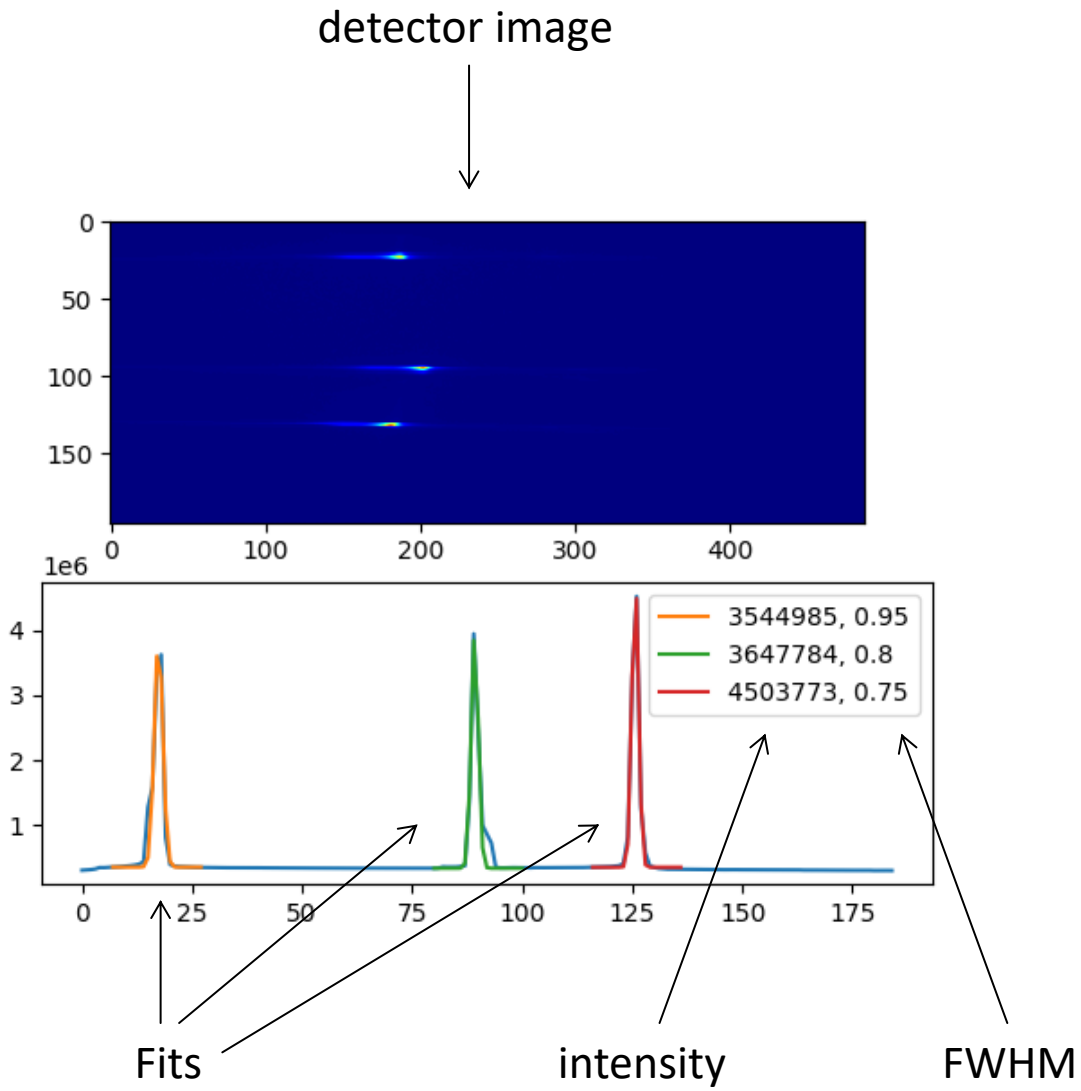
focussing.py

Takes the last XES folder and analyzes the intensity and FWHM of each crystal to help at focussing.



XES_liveview.py

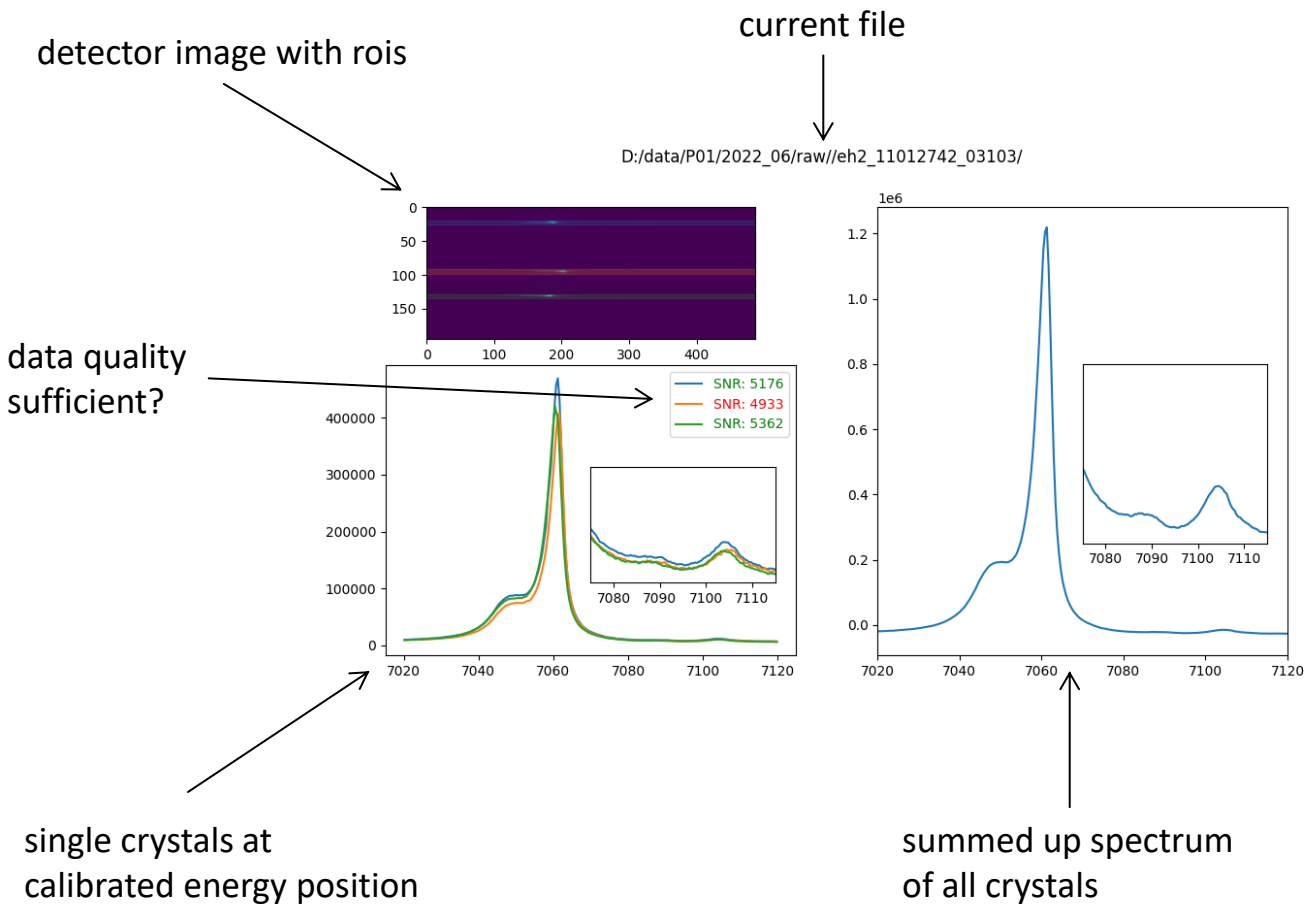
Define:
- path to the spectra
- prefix
- minimal data qualitiy

```
#####config#####
path="D:/data/P01/2022_06/raw/"
prefix="eh2_11012742_"
detector="pilatus"
snr_offset=5000
```

Set your elastic number either fixed or dynamic

```
#####elastic
elasticnumber=3108
#elasticnumber=int(input("elasticnumber: "))
el_path=sorted(glob.glob(path + prefix + "%05d"%int(elasticnumber) + "/"+ detector + "/" + "*.tif"))
elastic=XES.XES_elastics(el_path, np.linspace(10500,10680,7),crys_number=3)
elastic.calc_params(mode="auto",roiradius=4,show=False)
print(elastic.params)
```

Output:



RXES_liveview.py

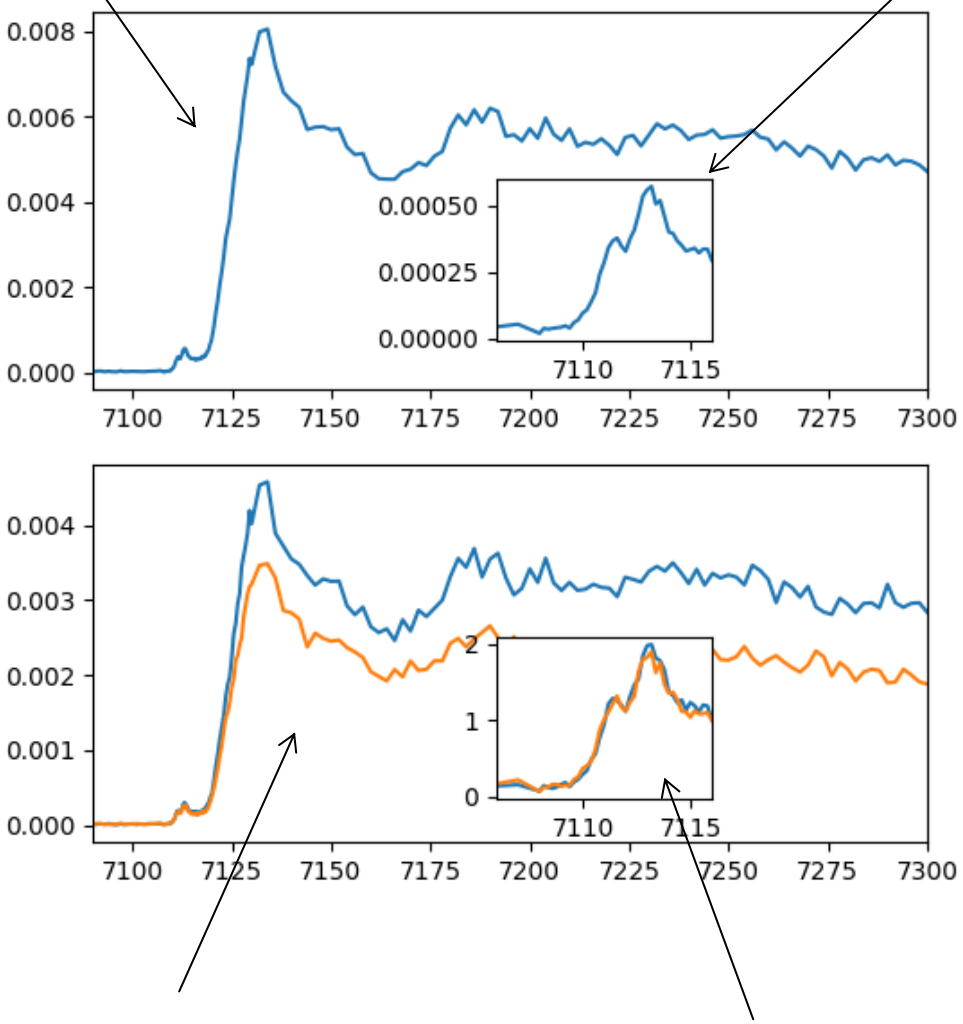
Define:
- path to the spectra
- prefix
- detector
- scan files

```
path="D:/data/P01/2022_06/raw/"
prefix="eh2_11012742_"
detector="pilatus"
runs=[list(range(2851,2855)),list(range(2858,2862))]
```

all runs summed up

Output:

zoom on pre-edge



single run

zoom on pre-edge