Lamp-Mantid comparison

- Very little errors after loading for different experimental data
- Discretization Δ_X in Lamp and Mantid slightly different

ConvertAxisByFormular Mantid

$$2\frac{E\text{max}}{N}(x - (\frac{N}{2} + 1))$$

Example 127500.nxs:
Lamp Δ_X=0.01955
Mantid Δ_X=0.01951

MirrorMode in IndirectILLReduction.py

- Left, right and sum of left and right workspace like in Lamp
- Shifting workspaces before summing up via FindPeaks v1 (Fit v1)

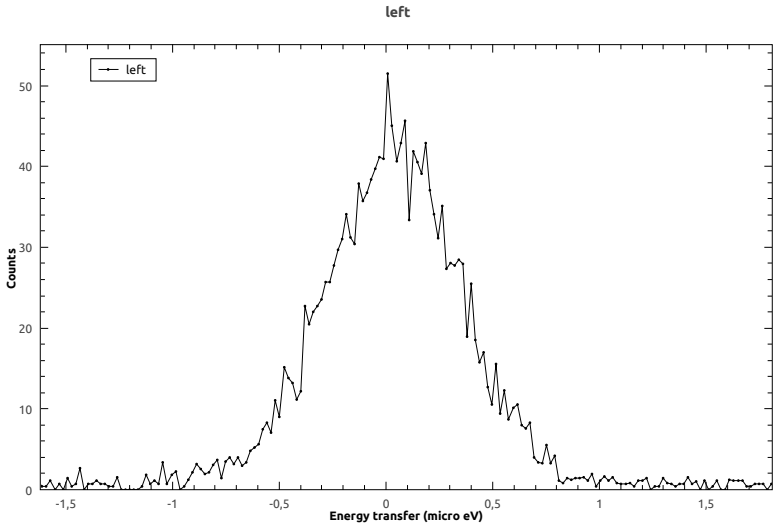
FindPeaks v1

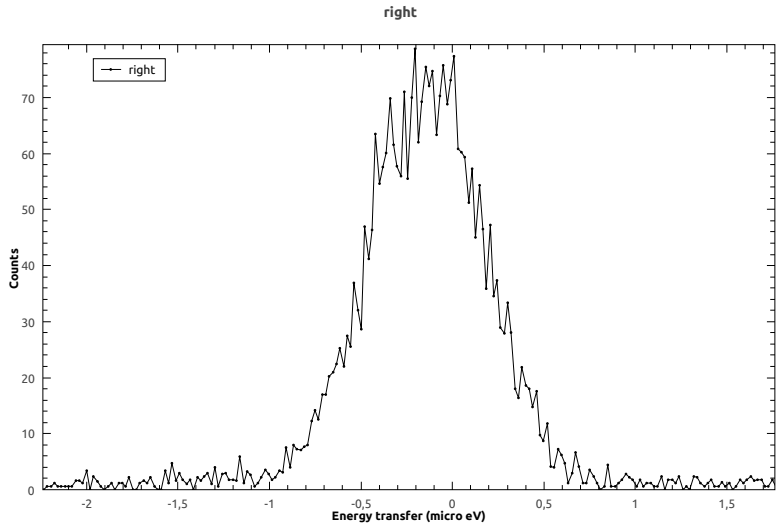
- CPP algorithm
- Background options (flat, linear, quadratic; HighBackground)
- Guess peak width and height
- Spectrum can be selected
- Multiple output for single spectrum possible

findEPP (find elastic peak position, MLZ)

- Each spectrum of the workspace considered
- Advantage or disadvantage: single peak position per spectrum
- Axis is Time-Of-Flight

FindPeaks v1





	centre	width	height	A0	A1	A2	χ^2
Left	0.0452668	0.699508	0.815282	0.0122032	-	-	0.422349
	0.0700171	0.546654	0.581184	0.258793	-0.208078	-	4.8925
	0.207107	0.300835	0.131334	0.85913	-1.5197	0.667119	1.91462
Right	-0.133642	0.743446	1.39663	0.0189	-	-	0.533325
	-0.192577	0.546688	0.780464	0.735264	0.597198	-	6.73087
	-0.373053	0.328954	0.0410759	0.867834	-1.67288	0.7927	4.26624

To be continued ...