

Status of IndirectILLReduction

	Unmirror = 0	1-3	4+	Calibration	FWS
Single Run	Done	In progress	Not yet implemented	?	~ Designed
Single Run (Debug)	Fixed				
Multiple Run	Fixed				
Multiple Run (Debug)	Fixed				

Difficulties to merge unmirror/calibration implementation with multiple file treatment.
Started to fix with slightly modified strategy... -> for unmirror 0, now works again
All unit tests (for the moment just minimal 6 tests) were broken...
IndirectCalibration and FindEPP changes are not committed.

Indirect Data Reduction

Instrument

IN16B

Analyser

silicon

Reflection

111

ILL Energy Transfer
ILL Calibration
Transmission
Symmetrise
S(Q, w)
Moments

Input File(s)

Run File

Browse

☐ Sum All

Reduction Type

☒ QENS
☐ E/I - FWS
☐ Observable

Temperature [K]

Vanadium Calibration

☐ Use Calibration

File

Browse

☒ Sum

Detector Grouping

☒ Default
☐ Choose File

Browse

Unmirror Options

☒ Mirror Sense

7

Output Options

☐ Control Mode
☐ Plot Result
☐ Save Result

?
Py

Run

Manage Directories

```

61
62 + def category(self):...
64
65 + def summary(self):...
67
68 + def PyInit(self):...
159
160 + def validateInputs(self):...
170
171 + def setUp(self):...
198
199 + def PyExec(self):|...
238
239 + def _load_config_files(self):...
265
266 + def _reduce_run(self, run):...
309
310 + def _unmirror(self, run):...
415
416 + def _calculate_energy(self, ws, ws_out, run):...
451
452 + def _energy_range(self, ws):...
486
487 + def _monitor_range(self, monitor_ws):...
511
512 + def _extract_workspace(self, x_start, x_end, ws_out, monitor_ws):...
578
579 + def _perform_mirror(self, ws1, ws2, monitor1=None, monitor2=None):...
625
626 + def _shift_spectra(self, ws, ws_shift_origin, ws_out):...
687
688 + def _peak_maximum_position(self):...
712
713 + def _set_output_workspace_properties(self, runlist):...
803
804 + def _save_reduced_ws(self, ws):...
816
817 + def _plot_reduced_ws(self, run):...
841
842 # Register algorithm with Mantid
843 AlgorithmFactory.subscribe(IndirectILLReduction)
844

```