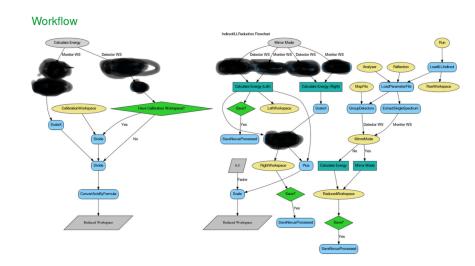
IndirectILLReduction

Workflow IndirectILLReduction Flowchart Calculate Energy Mirror Mode Monitor WS Detector WS Monitor WS CropWorkspace LoadILL Indirect CropWorkspace Calculate Energy (Left) MapFile LoadParameterFile RawWorkspace LeftWorkspace CalibrationWorkspace Have Calibration Workspace? GroupDetectors ExtractSingleSpectrum Detector WS Monitor WS SaveNexusProcessed RebinToWorkspace MirrorMode RightWorkspace Calculate Energy Factor ReducedWorkspace ConvertAxisByFormula Reduced Workspace Reduced Workspace SaveNexusProcessed SaveNexusProcessed

IndirectILLReduction: My action



IndirectILLReduction

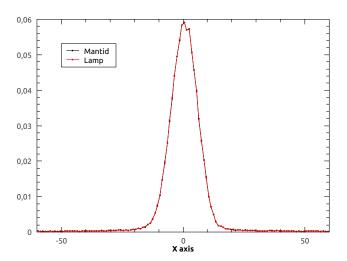
Existing IndirectILLReduction handles workspaces incorrect - needs small fix, other than that it is verified!

In progress (branch 16753_IndirectILLReduction (new design) evaluation):

- New design debug option is perfect.
- Validation of new Energy Transfer ... I validated existing formula already ... we will see
- ▶ **New** category: Workflow MIDAS;Inelastic Reduction
- Category: Workflow MIDAS;Inelastic;PythonAlgorithms
- New IndirectILLReduction: calibration must come after energy transfer, related issue is valid
- ▶ **New**: no runnumbers of Mantid Workspaces!

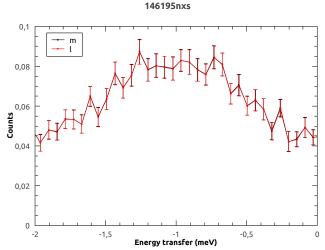
MirrorMode (shift operation)

Vanadium run 146007:



Reduction existing IndirectILLReduction

Sample run: 146195 (Half bin shift results in energy shift \rightarrow badly corrected, thus no exact match)



Reduction and calibration, existing IndirectILLReduction

Sample run: 146195 Vanadium run: 146007

