

IndirectLLReduction: Example algorithm history unroll

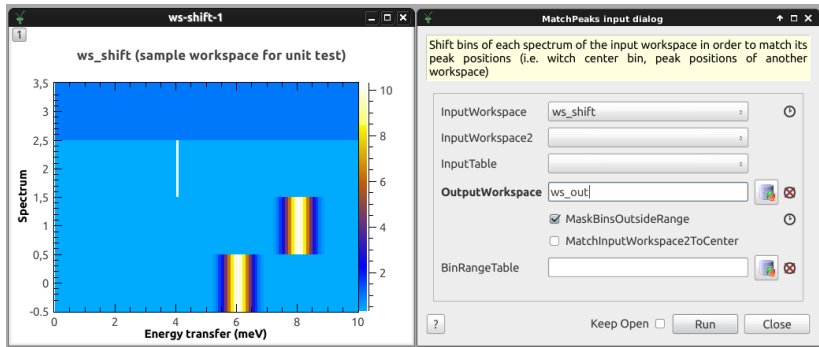
Child algorithms of IndirectLLReduction

```
Load(Filename='/home/cs/reimund/Documents/BS/lamp_prox/FinalComparison/146190.nxs',  
OutputWorkspace='red')  
RenameWorkspace(InputWorkspace='red', OutputWorkspace='146190_red')  
LoadParameterFile(Workspace='146190_red',  
Filename='/users/reimund/mantid/mantid/instrument/IN16B_silicon_111.Parameters.xml')  
ExtractSingleSpectrum(InputWorkspace='146190_red', OutputWorkspace='146190_red_monitor',  
WorkspaceIndex=0)  
GroupDetectors(InputWorkspace='146190_red', OutputWorkspace='146190_red',  
MapFile='/users/reimund/mantid/mantid/instrument/Grouping/IN16B_Grouping.xml')  
NormaliseToMonitor(InputWorkspace='146190_red', OutputWorkspace='146190_red',  
MonitorWorkspace='146190_red_monitor', NormFactorWS='__TMP0x7ff3c4287f90')  
CropWorkspace(InputWorkspace='146190_red', OutputWorkspace='146190_red_left', XMin=0, XMax=1024)  
ScaleX(InputWorkspace='146190_red_left', OutputWorkspace='146190_red_left', Factor=0, Operation='Add')  
CropWorkspace(InputWorkspace='146190_red', OutputWorkspace='146190_red_right', XMin=1024, XMax=2048)  
ScaleX(InputWorkspace='146190_red_right', OutputWorkspace='146190_red_right', Factor=-1024,  
Operation='Add')  
CropWorkspace(InputWorkspace='146190_red_monitor', OutputWorkspace='__left_mon', XMin=0, XMax=1024)  
ScaleX(InputWorkspace='__left_mon', OutputWorkspace='__left_mon', Factor=0, Operation='Add')  
CropWorkspace(InputWorkspace='146190_red_monitor', OutputWorkspace='__right_mon', XMin=1024, XMax=2048)  
ScaleX(InputWorkspace='__right_mon', OutputWorkspace='__right_mon', Factor=-1024, Operation='Add')  
DeleteWorkspace(Workspace='__left_mon')  
DeleteWorkspace(Workspace='__right_mon')  
Plus(LHSWorkspace='146190_red_left', RHSWorkspace='146190_red_right', OutputWorkspace='146190_red')  
Scale(InputWorkspace='146190_red', OutputWorkspace='146190_red', Factor=0.5)
```

IndirectILLReduction: Example algorithm history unroll, continued

```
ConvertAxisByFormula(InputWorkspace='146190_red', OutputWorkspace='146190_red',  
Formula='(x-512.000000)*0.000059')  
ConvertAxisByFormula(InputWorkspace='146190_red_left', OutputWorkspace='146190_red_left',  
Formula='(x-512.000000)*0.000059')  
ConvertAxisByFormula(InputWorkspace='146190_red_right', OutputWorkspace='146190_red_right',  
Formula='(x-512.000000)*0.000059')  
ConvertSpectrumAxis(InputWorkspace='146190_red', OutputWorkspace='146190_red', Target='Theta',  
EMode='Indirect')  
MaskBins(InputWorkspace='146190_red', OutputWorkspace='146190_red', XMin=-0.030207999999999999,  
XMax=-0.030030999999999999)  
MaskBins(InputWorkspace='146190_red', OutputWorkspace='146190_red', XMin=0.029971999999999999,  
XMax=0.030207999999999999)  
DeleteWorkspace(Workspace='146190_red_monitor')  
DeleteWorkspace(Workspace='146190_red_right')  
GroupWorkspaces(InputWorkspaces='146190_red', OutputWorkspace='red')  
End of child algorithms of IndirectILLReduction
```

MatchPeaks algorithm



- ▶ Comparison Lamp Mantid (normalisation, calibration, shifting)
- ▶ MatchPeaks Mantid returns success
- ▶ MatchPeaks: same input different output! (workspace handling, workspace transform)
- ▶ Fixed window scan: start development (investigated Lamp implementation, class_maker.py)

ToDo:

Solution for MatchPeaks,
Implementation fws