IN16B Reduction with Mantid

Gagik

Progress

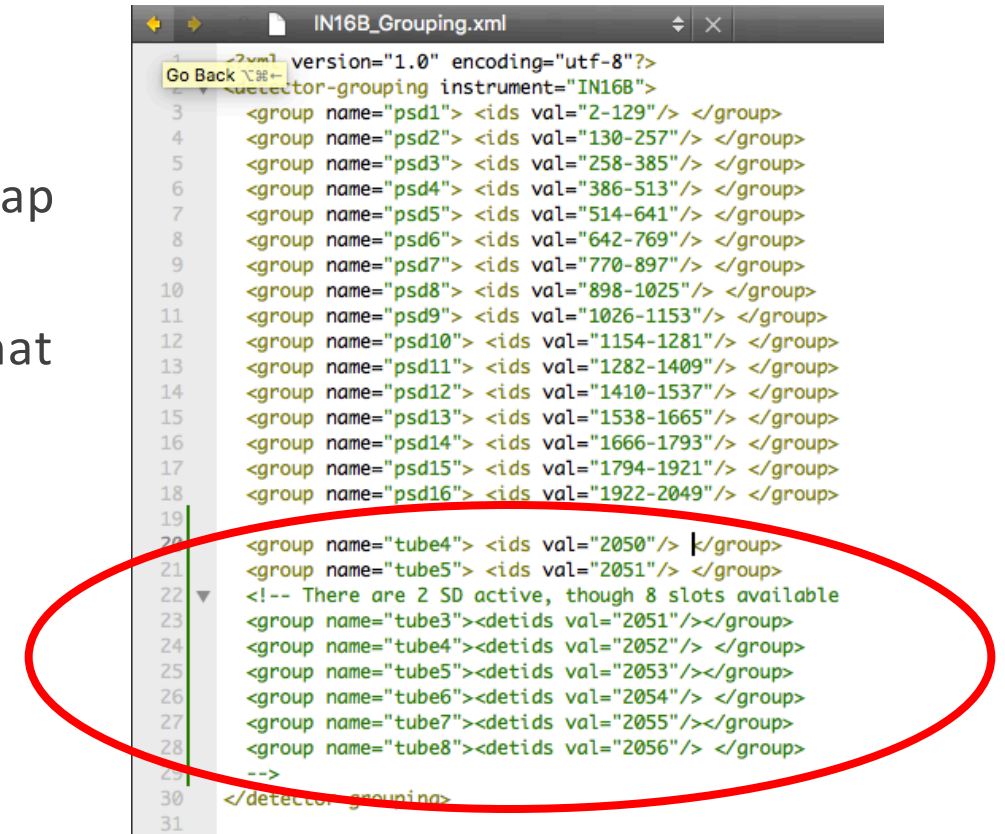| #	Description	Status
PR #16620	Renamed entry in nexus file [technical]	Merged
PR #16707	ILL: Load Multiple Files [technical] (there is no prefix)	Merged
Issue #16753	IndirectILLReduction Algorithm Refactoring* + Handle multiple files + Treatment of active single detectors in the LoadILLIndirect + Control mode → **Unmirror options (Verena)** → **Adjust IndirectCalibration accordingly (see discussion by Verena)**	In progress
Issue #16754	IndirectILLReduction GUI* + Allow multiple file selection + Add a checkbox for summing of files + Add a checkbox for Control mode + Add a dropdown for unmirror option → **Add corresponding handlers for these new GUI items**	In progress (will merge with above)
	ShiftCircular (needed for unmirroring) - A new generic algorithm to perform circular shift of x-axis of the workspace	TBC
	Generalisation of FindEPP (needed for unmirroring) - Remove unneeded x-axis unit validation, update the category	Green light by the author

Single Detectors Treatment

❑ There are 8 slots in nexus files

❑ But only few are enabled

❑ Adjusted the loader
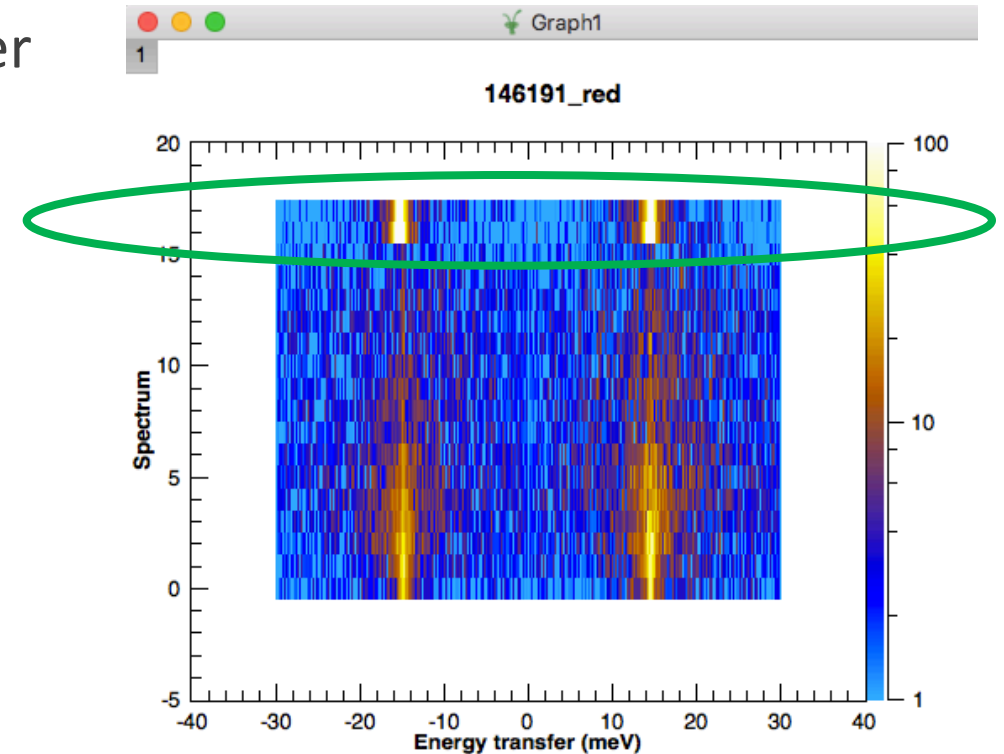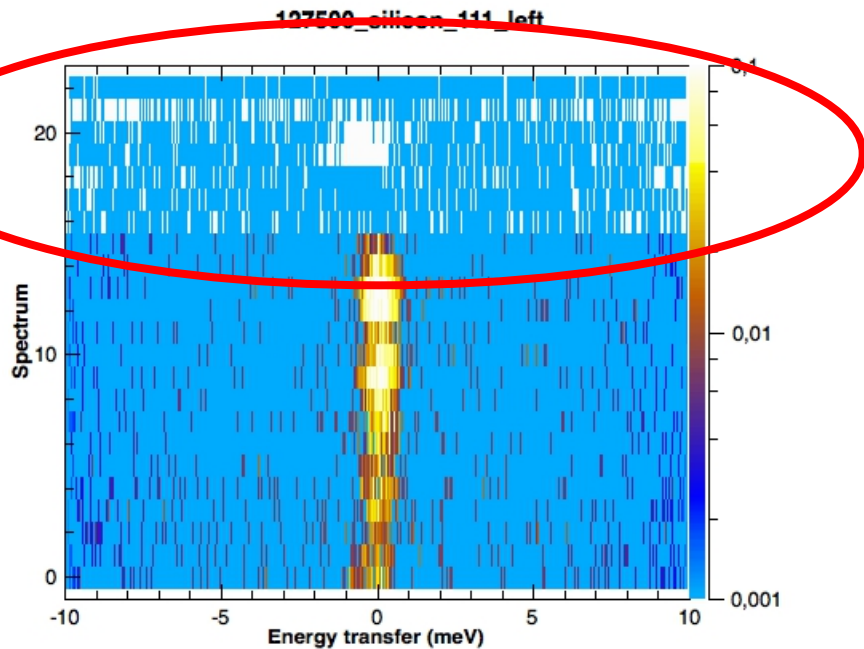
Caveat

❑ Loader now does checks from .nxs file which SDs are active, and loads only them

❑ But the reduction relies also on Detector Grouping map file (.xml)

❑ This file needs to be consistent with the nexus files that one is reducing

❑ Not a big problem, just need to be documented

❑ What to put in the default .xml file?