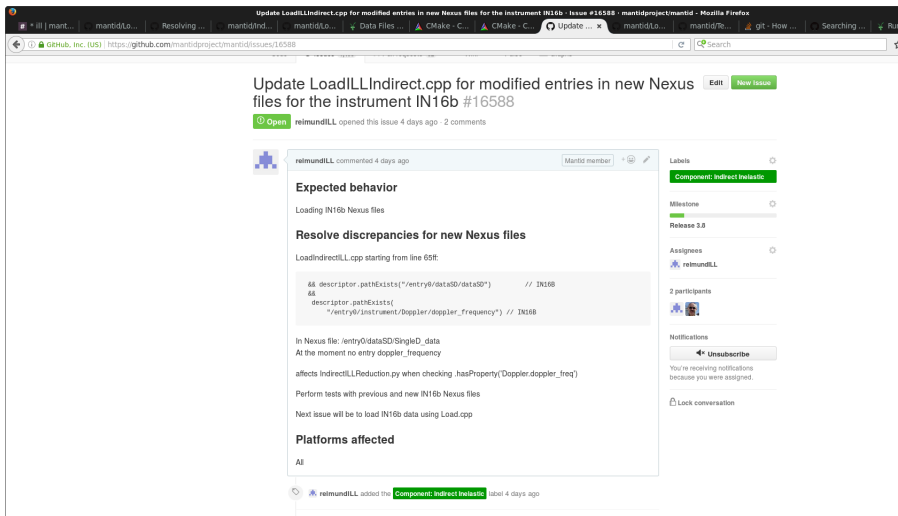


Backscattering Data Analysis in Mantid



The screenshot shows a web browser window displaying a GitHub issue titled "Update LoadILLIndirect.cpp for modified entries in new Nexus files for the instrument IN16b #16588". The browser's address bar shows the URL "https://github.com/mantidproject/mantid/issues/16588". The issue page includes a comment from user "reimundILL" dated 4 days ago. The comment describes the expected behavior of loading IN16b Nexus files, the need to resolve discrepancies, and provides a code snippet for the LoadIndirectILL.cpp file. The right sidebar shows the issue's metadata, including labels, milestones, assignees, and participants.

Update LoadILLIndirect.cpp for modified entries in new Nexus files for the instrument IN16b #16588

reimundILL opened this issue 4 days ago · 2 comments

reimundILL commented 4 days ago

Expected behavior

Loading IN16b Nexus files

Resolve discrepancies for new Nexus files

LoadIndirectILL.cpp starting from line 65f:

```
65 descriptor_pathExists("~/entry0/dataSD/dataSD") // IN16b
66 descriptor_pathExists(
    "~/entry0/instrument/Doppler/doppler_frequency") // IN16b
```

In Nexus file: /entry0/dataSD/SingleD_data
At the moment no entry doppler_frequency

affects IndirectILLReduction.py when checking .hasProperty("Doppler.doppler_freq")

Perform tests with previous and new IN16b Nexus files

Next issue will be to load IN16b data using Load.cpp

Platforms affected

All

Labels

Component: Indirect Inelastic

Milestone

Release 3.8

Assignees

reimundILL

2 participants

Notifications

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Lock conversation


Resolving problems with ILLIN16b calibration · Issue #16589 · mantidproject/mantid · Mozilla Firefox

GitHub, Inc. (US) | https://github.com/mantidproject/mantid/issues/16589

CodeIssues 1,486Pull requests 52WikiPulseGraphs

Resolving problems with ILLIN16b calibration #16589

OpenreimundILL opened this issue 4 days ago · 0 comments

reimundILL commented 4 days ago

Mantid member

Expected behavior

Calibration of workspaces.

Actual behavior

- Calibration fails completely or produces NAN
- Two different but very similar algorithms are implemented

Details

- IndirectCalibration.py calls Load() instead of LoadILLIndirect.py. MirrorMode is missing. MergeRuns called
- ILLIN16BCalibration.py MirrorMode default is False required to be True
- Reimplementation of functions in both scripts, e.g. ScaleFactor, ...
- GUI IndirectDataReduction calls IndirectCalibration.py in ILL Energy Transfer
- GUI IndirectDataReduction calls ILLIN16BCalibration.py in ILL Calibration

Platforms affected

All

Labels

Component: Indirect Inelastic

Milestone

Release 3.8

Assignees

reimundILL

1 participant

Notifications

Unsubscribe

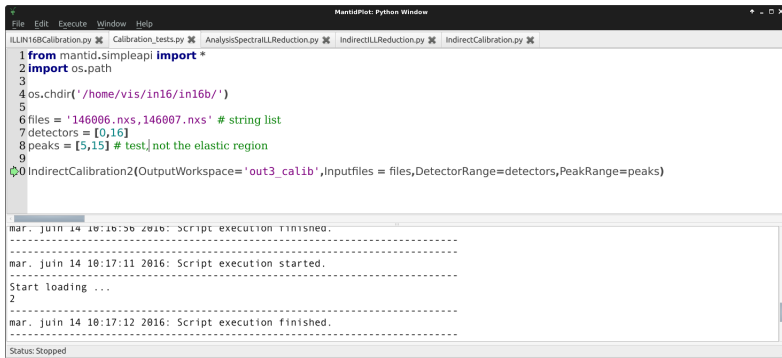
You're receiving notifications because you were assigned.

Lock conversation

reimundILL added the Component: Indirect Inelastic label 4 days ago

reimundILL added this to the Release 3.8 milestone 4 days ago

Vanadium normalisation



```
1 from mantid.simpleapi import *
2 import os.path
3
4 os.chdir('/home/vis/in16/in16b/')
5
6 files = '146006.nxs,146007.nxs' # string list
7 detectors = [0,16]
8 peaks = [5,15] # test, not the elastic region
9
10 IndirectCalibration2(OutputWorkspace='out3_calib', Inputfiles = files, DetectorRange=detectors, PeakRange=peaks)
```

```
mar. juin 14 10:16:36 2016: Script execution finished.
-----
mar. juin 14 10:17:11 2016: Script execution started.
-----
Start loading ...
2
-----
mar. juin 14 10:17:12 2016: Script execution finished.
-----
Status: Stopped
```

- ▶ colon operator useful for loading and merging consecutive runs
- ▶ naming `_calib` required

More issues

ILL Energy Transfer and calibration GUI changes 14653

ILL Energy Transfer and ILL Calibration need updates to the GUI. These updates include:

- Refactoring Save and Plot functionality to interface code from algorithm
- Remove Mirror Mode option in GUI

ILL Energy Transfer change to match naming conventions in ISIS Energy Transfer 14650

ILL Energy Transfer needs to create workspaces that match the naming convention in ISIS Energy Transfer to be consistent within Mantid

Progress Tracking for ILL Energy Transfer and ILL Calibration 14649

The new (modified) ILL IN16B algorithms ILLIN16BCalibration.py and IndirectILLReduction.py both need progress tracking.

Indirect Data Reduction update for ILL 14578

Spencer has provided me with some updated ILL IN16B reduction and calibration files. They should be able to just replace the currently used files although some small amendments may need to be made the the unit tests to allow for the use of GroupWorkspaces Edit - This issue will also cover adding the data selector for origin to the interface

ILL Energy Transfer option for sum files 14179

Much like ISIS Energy Transfer, ILL Energy Transfer requires a Sum files option for the input files so that multiple files can be summed together on input.

ILL Energy Transfer unable to select multiple files 14173

When using the ILL Energy transfer tab, you can't select multiple files from the browse menu (shift+L-click) / (Ctrl+L-click) like you can in ISIS Energy Transfer.

To do

- ▶ Extended MirrorMode implementation in Python for direct comparison with Lamp
- ▶ Solving issues for Mantid
- ▶ Finalise Vanadium comparison