

Refactoring IndirectILLReduction

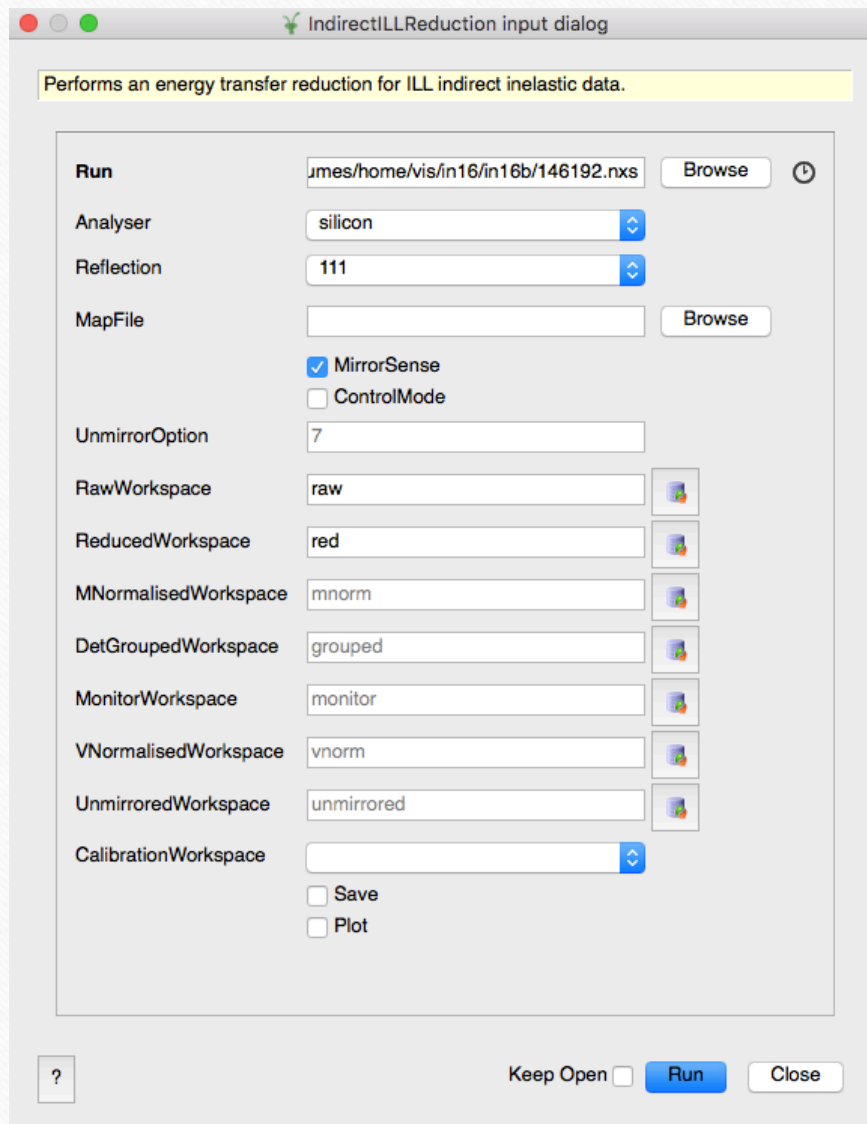
Gagik

Bastille Weekly, ILL

05.07.2016

Status

- Multiple file loading merged to master
- Work in progress towards IndirectILLReduction for IN16B
- Issues created, one for python algorithm, one for GUI



Auto-generated GUI

- Design revisited, made workflow more modular
- Implemented ControlMode

In progress:

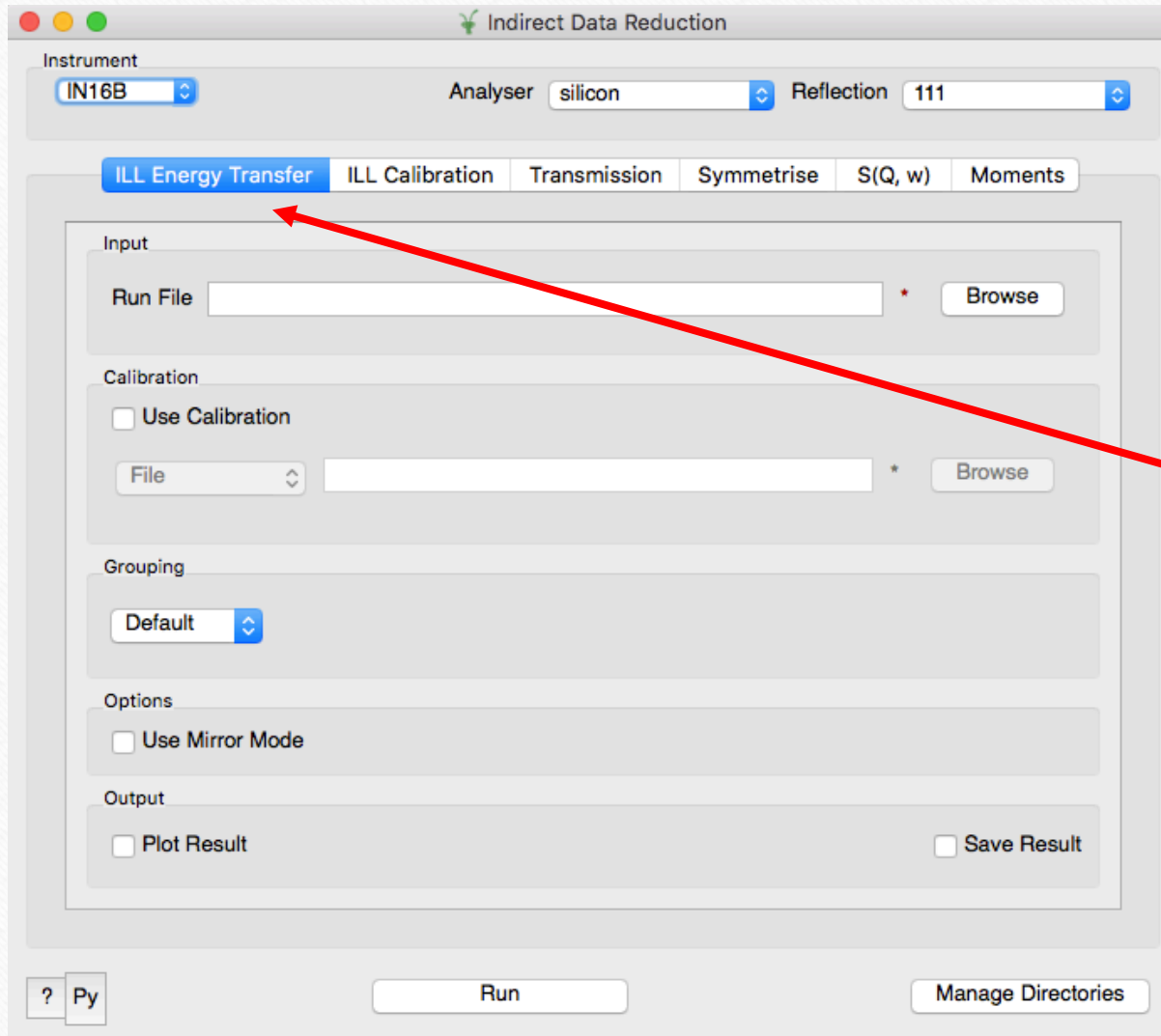
- Integration of unmirroring implementation (Verena)
- Integration of multiple file handling (Gagik)
- Update loading of single detector information? (Gagik)
 - Separate issue?

Next sprint

- Finalise implementation of the algorithm
- Add UnitTests
- Add SystemTest ?
- Validate against LAMP
- Update documentation (and flowchart)
- Prepare a summary for Mantid Review Meeting next Tuesday

Upnext:

- Adjust specific GUI ?
- Other tabs ?
- FWS ?



The screenshot shows a macOS-style window titled "Indirect Data Reduction". At the top, there are three colored window control buttons (red, yellow, green). Below them, the "Instrument" dropdown is set to "IN16B", the "Analyser" dropdown is set to "silicon", and the "Reflection" dropdown is set to "111". A row of tabs is visible: "ILL Energy Transfer" (highlighted in blue), "ILL Calibration", "Transmission", "Symmetrise", "S(Q, w)", and "Moments". A red arrow points from the text "Adjust specific GUI ?" in the adjacent list to the "ILL Energy Transfer" tab. The main content area is divided into several sections: "Input" with a "Run File" text field and a "Browse" button; "Calibration" with a "Use Calibration" checkbox and a "File" dropdown with a "Browse" button; "Grouping" with a "Default" dropdown; "Options" with a "Use Mirror Mode" checkbox; and "Output" with "Plot Result" and "Save Result" checkboxes. At the bottom of the window, there are three buttons: "? Py", "Run", and "Manage Directories".