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Graphical User Interfaces for ILL users in Mantid

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Graphical user interfaces (GUI) are extremely useful tools for interacting with data and allowing for simplified workflows where users with minimal coding experience can obtain meaningful results, thus bringing the software to a wider audience. Mantid already contains a number of interfaces allowing for data processing and visualization, with the most important point of entry being the workbench. A number of additional interfaces has been identified as crucial and recently implemented for the smooth processing of data at the Institut Laue-Langevin, which streamline raw data exploration (Raw-data explorer), simultaneous plotting of many curves (Superplot), and interaction with reduction algorithms in the background (DrILL). The use cases and benefits of new Mantid GUIs for ILL and for wider Mantid public are presented, and future developments are discussed.

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