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Into the future: ILL Endurance program

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Institut Laue-Langevin (ILL) is looking forward into the future of reactor-based neutron scattering facility with an ongoing upgrade and maintenance programme Endurance phase 2, that spans years 2020-2023. This programme is intended to ensure continued output of quality science on 40 number of instruments and remain a competitive offer for users of neutron scattering. A part of this effort is Better Analysis Software Tools for ILL Experiments (BASTILLE) project, currently in its second phase, aiming to bring full Mantid support for 17 instruments at the ILL, with techniques from Small Angle Scattering, time-of-flight spectroscopy to reflectometry and liquid diffraction, with polarised and un-polarised neutrons. This presentation lays out the goals of the project, its place within the ILL programme, and discusses the current status and the future software developments at the ILL.

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