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Optical calibration of SNO+

This poster describes the status of the optical calibration programme for SNO+, which has as its main goal the search for neutrinoless double-beta decay of ^{130}Te . This isotope is mixed into the 780-tonne liquid scintillator target. As the radio-purity requirements for SNO+ are much more stringent than for SNO, several new optical calibration systems have been developed in order to provide a detailed understanding of the detector response. The new optical calibration is primarily done using external sources. Here we describe these systems, the overall programme and show results from commissioning data that has been acquired recently.

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