

Future Prospects of the SNO+ Experiment

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The SNO+ experiment is a multi-purpose liquid scintillator neutrino experiment, with a main goal to search for neutrino less double beta decay of ^{130}Te . In preparation for the liquid scintillator phase, the detector has been running with pure water as a detection medium for the past year. During this time, measurements of solar neutrinos with very low backgrounds have been made as well as new limits being placed on invisible modes of nucleon decay. In the future, as well as searching for neutrino less double beta decay, SNO+ will be able search for other physics including reactor antineutrinos, geoneutrinos and supernovae neutrinos. This poster will present existing SNO+ results and discuss planned measurements and their potential impact.

Primary author(s) : NOLAN, Lorna

Presenter(s) : NOLAN, Lorna

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