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SNO+

Friday, 29 June 2018 12:00 (30 minutes)

The SNO+ experiment is the successor to the Sudbury Neutrino Observatory. It will contain 780 tonnes of 0.5% Te-loaded liquid scintillator in order to search for neutrinoless double beta decay of Te-130. Prior to loading with tellurium in 2019, SNO+ will be filled with unloaded liquid scintillator and will detect solar, reactor and geo neutrinos. The SNO+ detector is currently filled with water and has been taking data (water-filled detector) since May 2017. Results and background studies from the SNO+ water phase will be presented.

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