

Abstract Submitted
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SNO+: **Results and Prospects** LOGAN LEBANOWSKI, University of Pennsylvania, SNO+ COLLABORATION — SNO+ is a multipurpose neutrino experiment located 2 km underground in a Canadian mine. The primary goal is a high-sensitivity search for neutrinoless double beta decay using ^{130}Te -loaded scintillator, but SNO+ can also measure reactor, solar, geo, and supernova neutrinos. Having completed data acquisition with a water target, SNO+ has measured the flux of ^8B solar neutrinos with low backgrounds and set world-leading limits on invisible (di)nucleon decays. These analyses are being updated with data that provide more than twice the livetime and have lower rates of radioactive backgrounds. SNO+ is currently filling with scintillator (LAB+PPO) and Te loading is scheduled to begin later this year.

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