

# 17th International Conference on Topics in Astroparticle and Underground Physics (TAUP 2021)

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Type : **Talk in parallel session**

## **SNO+**

*Tuesday, 31 August 2021 18:25 (15)*

SNO+ is a multi-purpose neutrino experiment located at SNOLAB. Now filled with liquid scintillator after a challenging campaign of operations during the pandemic, SNO+ is studying backgrounds in the detector and embarking on a neutrino physics program including reactor, geo and solar neutrinos. The ultimate goal of SNO+ is to deploy roughly 4 tonnes of tellurium (0.5%) in the scintillator to conduct a neutrinoless double beta decay search. This talk will present the prospects and a preliminary look at data from SNO+.

### **Reference to paper (DOI or arXiv)**

### **Your gender (free text)**

**Primary author(s)** : CHEN, Mark (Queen's University); ON BEHALF OF THE SNO+ COLLABORATION

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