



Contribution ID: 327

Type: **Oral Presentation**

## The Search for Neutrinoless Double-Beta Decay at SNO+

*Wednesday, 31 July 2019 17:40 (15 minutes)*

SNO+ is a multipurpose experiment with the primary goal to search for neutrinoless double-beta ( $0\nu\beta\beta$ ) decay of Te-130 to probe the Majorana nature of neutrinos. Currently, the detector is filled with ultra pure water and is in the process of filling liquid scintillator, to which 1.3 tons of Te-130 is expected to be loaded later this year. I will discuss the current preparations for the Te phase and the expected sensitivity, as well as the future prospect of the search for  $0\nu\beta\beta$  decay at SNO+.

**Primary author:** LUO, Meng (University of Pennsylvania)

**Presenter:** LUO, Meng (University of Pennsylvania)

**Session Classification:** Neutrino Physics

**Track Classification:** Neutrino Physics