

Antineutrino measurements in SNO+

Wednesday, 20 September 2023 10:45 (20 minutes)

SNO+ is a multi-purpose experiment located at SNOLAB in Canada, with the main goal to search for neutrino-less double beta decay but measuring also neutrinos from several sources. In an earlier phase, SNO+ has made the first ever observation of reactor antineutrinos in a pure water Cherenkov detector. Presently, the water has been replaced by liquid scintillator, making SNO+ sensitive to geoneutrinos and allowing for much more detailed measurements of the reactor antineutrino energy spectrum. Most of the flux comes from Ontario's nuclear power plants, located 250 km and 340 km away from the detector, which provides a good sensitivity to neutrino oscillation parameters. This contribution will review the past results, present status and future prospects for antineutrino measurements at SNO+.

Abstract title

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Session Classification: Global projects