

Updated Boron-8 solar neutrino results inside the SNO+ detector

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SNO+ is a large liquid scintillator-based experiment located 2km underground at SNOLAB, Sudbury, Canada. It reuses the Sudbury Neutrino Observatory detector, consisting of a 12 m diameter acrylic vessel filled with about 780 tonnes of ultra-pure liquid scintillator. The high overburden and cleanliness procedures give low background rates. Combined with the kiloton scale experiment, it is possible to measure Boron-8 solar neutrinos. Different approaches for detecting Boron-8 solar neutrinos in liquid scintillators are being explored and will be presented.

Poster prize

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