

Status of the NvDEx experiment

Tuesday 26 August 2025 17:00 (20 minutes)

The No neutrino Double-beta-decay Experiment (NvDEx) is designed to search for the neutrinoless double-beta decay using a high-pressure $^{82}\text{SeF}_6$ gas time projection chamber (TPC) and read out by low-noise CMOS sensor chips. Combining the advantages of the high Q value of ^{82}Se and TPC's ability to distinguish double beta decay signal and background using event topology, NvDEx is expected to achieve a very low background level. This talk will report the concept and current status of the NvDEx experiment.

Collaboration you are representing

NvDEx Collaboration

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