

Neutrinoless Double Beta Decay Experiments

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The search for neutrinoless double beta decay is currently the most sensitive tool to study the possible identity of neutrinos and anti-neutrinos and with-it new physics beyond the Standard Model of particle physics. A world-wide effort is under way to mount a new generation of experiments, utilizing ton-amounts of decaying substance, deployed in detectors with unprecedented background. The goal is to explore multiple nuclides with different technologies to provide unambiguous evidence for an observation, should the parameters of Nature allow a discovery. In this presentation I will survey ongoing and planned experiments.

Primary author: Dr PIEPKE, Andreas (University of Alabama)

Presenter: Dr PIEPKE, Andreas (University of Alabama)

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