

Future Opportunities in Neutrinoless Double Beta Decay searches

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Neutrinoless Double Beta Decay (NLDBD) searches offer the most sensitive tests of Lepton Flavor Violation. The discovery of NLDBD would have profound consequences: it would establish neutrinos as Majorana particles, it would be the demonstration of a matter-creating process, and it would offer corroborating evidence for leptogenesis – one of the possible answers to the question of our why we exist – which is fun to discuss with a random neighbor on an airplane. I will briefly discuss the current status of NLDBD searches and will focus on the opportunities for discoveries with ton-scale and even larger future NLDBD experiments.

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