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EXO-200 results and status of the nEXO double beta decay experiments

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EXO-200 was the first 100kg-class double-beta decay detector to start data taking in 2011. The goals of the experiment are to search for Majorana neutrinos and lepton number violation with unprecedented sensitivity and to serve as a prototype to test what was then an entirely new technology to be used in a multi-ton experiment. I will report on the results from EXO-200, which is still taking data, and review the design of nEXO, a 5,000kg experiment that we plan to build as the next step.

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