

Abstract Submitted  
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**Overview and Status of the EXO-200 Double Beta Decay Experiment** SIMON SLUTSKY, University of Maryland, ENRICHED XENON OBSERVATORY COLLABORATION — The Enriched Xenon Observatory (EXO) is an experimental program to search for neutrinoless double beta decay in  $^{136}\text{Xe}$ . A positive result would be the first observation of a lepton-number violating process and would give information about the neutrino mass. The first EXO experiment, EXO-200, is currently being installed and commissioned at the WIPP facility in Carlsbad, NM. EXO-200 will use a TPC with 200 kg of liquid xenon, isotopically enriched to 80% in  $^{136}\text{Xe}$ , to achieve sensitivity to a Majorana neutrino mass of 130-190 meV. This talk will present an overview of EXO-200 and the status of the project.

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