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Status of the EXO-200 double beta decay search RYAN MCLELLAN, University of Alabama, EXO COLLABORATION — A 200-kg low-background liquid Xe double beta decay detector (EXO-200) has been installed underground at the WIPP facility outside Carlsbad, NM. EXO-200 is expected to provide the first measurement of the two-neutrino decay mode of 136Xe, as well as place competitive limits on the possible neutrinoless mode. EXO-200 is also serving as a large prototype for a future ton-scale xenon detector. The detector is complete and undergoing initial operations. An instrumentation run with natural Xe is planned before data-taking with enriched Xe (80% enrichment).

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