

Abstract Submitted  
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**Recent Results from EXO-200** TIMOTHY DANIELS, University of North Carolina at Wilmington, EXO-200 COLLABORATION — EXO-200 is a low-background time-projection chamber employing about 150kg of enriched liquid  $^{136}\text{Xe}$  and located underground at the WIPP site outside Carlsbad NM. In its first phase of data-taking between 2011 and 2014, the experiment made the first observation of two-neutrino double-beta decay of  $^{136}\text{Xe}$ , provided the most precise measurement of any two-neutrino half-life to date, and provided one of the most sensitive searches for neutrinoless double-beta decay. While the first phase ended with the 2014 fire and radiation events at WIPP, a second phase of data collection with upgrades including improved energy resolution began in 2016. Results including the first year of data with the upgraded detector will be shown.

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