## Neutrinos, the universe, and liquid Xenon

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The neutrino sector may provide keys to understanding the mystery behind the observed matter/antimatter asymmetry in the universe. An important step towards this is determining whether or not the neutrino and anti-neutrino are the same particle, a so-called 'Majorana' particle, which is the goal of neutrinoless double-beta decay experiments, including the liquid-xenon-based EXO-200 experiment currently running in New Mexico, USA. Recently released results from the first two years of data of EXO-200 achieving an exposure of 99.8 kg yr of Xe-136 will be discussed. Finally, the outlook for the next-generation nEXO experiment will be presented.