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CUORE Spectrum and Background CHRISTOPHER DAVIS, Yale Univ, CUORE COLLABORATION — The Cryogenic Underground Observatory for Rare Events (CUORE) is a neutrinoless double-beta decay experiment at the Laboratori Nazionali del Gran Sasso (LNGS). CUORE is performing this search in ^{130}Te by using 988 TeO_2 bolometric crystals arranged in 19 towers inside of a cryostat operating below 20 mK. In this talk, I will discuss the measured background in the CUORE experiment and simulations of the background model, critical parts leading towards a measurement of two-neutrino double-beta decay.

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