New Results from CUORE

Danielle Speller, Yale University

Tuesday, November 12, 2019 - 3:45pm
NPL 178

The CUORE (Cryogenic Underground Observatory for Rare Events) Experiment is a ton-scale, 988-bolometer array located deep underground in Gran Sasso National Laboratory (LNGS). CUORE is designed to search for the neutrinoless double-beta decay (0\textnu\beta\beta) of 130-Te, a lepton-number-violating process that could point toward new physics beyond the standard model. CUORE has collected over 369.9 kilogram-years of exposure, and is optimized for sensitivity to neutrinoless and two-neutrino double-beta decay. In this talk, we discuss the recent results and current status of the CUORE experiment, and present recent results.

Source URL: https://phys.washington.edu/events/2019-11-12/new-results-cuore