



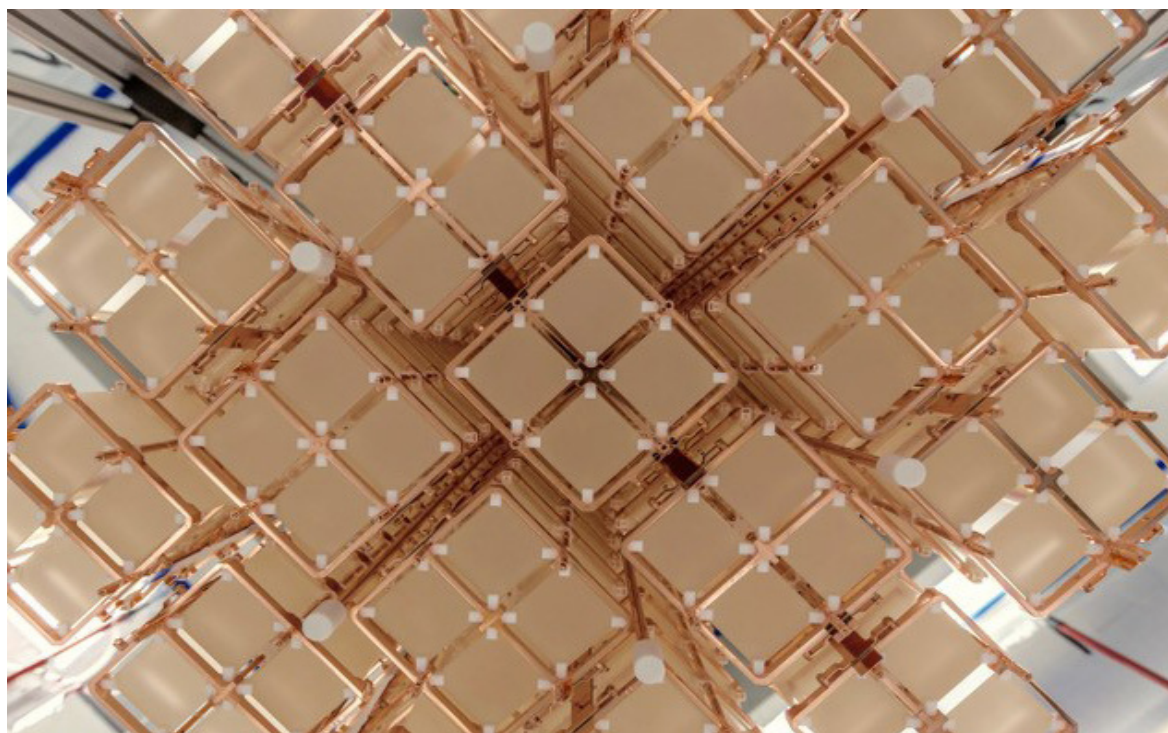
Wright
Laboratory

Danielle Speller

Yale University

Thursday, September 12, 2019 at 1:00 p.m. in WL-216

New Results from the CUORE Experiment



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 ($0\nu\beta\beta$) 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.

Host: Karsten Heeger

Lunch in WLC-245 at 12:00 noon. RSVP: <https://forms.gle/37ywQ94CThg5524g8>

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