

Abstract Submitted
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Online Data Monitoring for the CUORE Neutrinoless Double-beta Decay Experiment JACOB FEINTZEIG, Lawrence Berkeley National Laboratory, CUORE COLLABORATION — The Cryogenic Underground Observatory for Rare Events (CUORE) is an upcoming bolometric experiment that will search for neutrinoless double-beta decay at Gran Sasso, Italy. Crystals of tellurium dioxide are instrumented with neutron transmutation doped (NTD) thermistors to observe the heat pulse caused by a double beta decay event. Currently under construction, CUORE will contain 988 independent bolometers. The CUORE-0 detector, consisting of the first 52 bolometers, took data from 2013-2015. After briefly reviewing results from a neutrinoless double-beta decay search with CUORE-0, I will outline recent work to improve data analysis and online data quality monitoring for the upcoming CUORE detector.

Jacob Feintzeig
Lawrence Berkeley National Laboratory

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