

Abstract Submitted  
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**CUORE-0: The First CUORE Tower** ADAM BRYANT, University of California, Berkeley, and Lawrence Berkeley National Lab, CUORE COLLABORATION — The CUORE experiment will search for neutrinoless double beta decay of  $^{130}\text{Te}$  using  $\text{TeO}_2$  bolometers arranged in 19 closely packed towers. Before construction of the full CUORE detector, the first CUORE tower, named CUORE-0, is planned to be installed in the cryostat that housed the recently completed CUORICINO experiment. The CUORE-0 experiment will test the detector assembly procedures developed for CUORE. It will also improve on the limit on the neutrinoless double beta decay half-life of  $^{130}\text{Te}$  set by CUORICINO. The status of CUORE-0 and expectations for its performance will be presented.

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