

First data from CUORE-0

Wednesday, 11 September 2013 16:00 (20 minutes)

“CUORE-0 is a neutrinoless double beta decay ($0\nu\beta\beta$) experiment built to test and demonstrate the performances of the upcoming CUORE experiment. Composed of 52 $^{nat}\text{TeO}_2$ bolometers of 750 g each, it is expected to reach a sensitivity to the $0\nu\beta\beta$ half-life of ^{130}Te around $5 \cdot 10^{24}$ y. CUORE-0 started to take data in April. CUORE-0 data are here presented for the first time, with an update of the expected scientific reach.”

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