

Trigger and analysis tools for Dark Matter Search in CUORE-0

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CUORE-0 is the prototype tower of the 19 scheduled for the CUORE detector, an experiment that will search for neutrinoless double beta decay.

Given the achievable low energy threshold, the large mass and the good energy resolution, also Dark Matter (DM) studies are feasible.

Here are presented the trigger algorithm used for the DM search and the obtained results, in terms of detection efficiency and energy threshold.

New analysis tools to remove false signals such as spikes and noise are described.

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