

Background assessment and performance of the COSINE-100 detector

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COSINE-100 is a dark matter direct dark matter search experiment that uses an array of scintillating NaI(Tl) crystals as a target/detector. The experiment started taking data in September 2016 and has been running stably since that time. We have fit the measured energy spectra in the NaI(Tl) crystals with a MC model that contains a variety of background components. The background sources will be discussed and preliminary results from a dark matter search analysis will be presented.

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