

Abstract Submitted
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Study of a highly-segmented HPGe detector at the Oroville Low-Background counting facility.¹ REYCO HENNING, LBNL, DAVID CAMPBELL, LLNL, YUEN-DAT CHAN, LBNL, KEVIN LESKO, LBNL, MICHELLE PERRY, Florida State University, ALAN POON, LBNL, KAI VETTER, LLNL — We present initial results of a study of a 8x5 segmented HPGe detector at the Oroville low radioactive background counting facility. The goal is to field a highly-segmented detector at a remote, low-background facility for an extended period of time and to evaluate its efficiency of rejecting residual radioactive backgrounds at such a facility. Applications of this study to the proposed Majorana experiment that will search for the neutrinoless double-beta decay of ^{76}Ge will also be discussed.

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