

Abstract Submitted  
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**Exploring optimization strategies for the SuperCDMS experiment** JAMES WATSON, DAVID TOBACK, JON WILSON, Texas A&M, SUPER-CDMS COLLABORATION — The Cryogenic Dark Matter Search (SuperCDMS) experiment uses a number of low temperature detectors deep underground to search for dark matter. Since there are many ways to analyze the data, we have studied the potential impact of several optimization techniques with the hopes of improving the overall sensitivity. Each emphasizes the differing background expectations and signal acceptances among the detectors considered, as well optimizing for the experiment as a whole. We present preliminary results on our studies.

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