

Abstract Submitted
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Axion and Dark Matter Searches with the MAJORANA Demonstrator JULIETA GRUSZKO, Univ of Washington, MAJORANA COLLABORATION — The MAJORANA Demonstrator is an array of natural and enriched high purity germanium detectors that will search for the neutrinoless double-beta decay of germanium-76. The Demonstrator's projected low background, low threshold, and multi-site rejection capabilities will enable searches for other Beyond-the-Standard Model physics, including solar axions and light WIMP dark matter. The mechanisms for detection of these particles will be discussed. Simulations and data from research and development efforts will be used to predict the Demonstrator's performance in both axion and WIMP detection.

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