

Commissioning of the ADMX Gen 2 Dark Matter Search

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ADMX, the Axion Dark Matter Experiment, has recently undergone commissioning of the Gen 2 dark matter search, which should be significantly more sensitive to axion dark matter over a wider range of masses than previous axion cavity searches. I will discuss the technical details of the new subsystems: dilution refrigeration, quantum electronics, and additional channels. Commissioning data from these systems will be presented, and I will talk about the first steps in a DFSZ-sensitive program to find the axion.

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