

Recent Results with the ADMX Experiment

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The ADMX experiment is an axion haloscope using a microwave cavity in a strong magnetic field to search for dark matter axions. I will present on results from our run 1A in which we excluded the range of axion-photon couplings predicted by QCD axions for axion masses between 2.66 and 2.81 μeV . These results marked the first time a haloscope experiment achieved sensitivity to the well motivated DFSZ axion. In addition, I will provide updates on the status of the current run in are searching for axions in the 2.82-3.31 μeV mass range.

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