

Abstract Submitted  
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**The High Resolution Microwave Cavity Search for Dark Matter Axions** LEANNE DUFFY, University of Florida, AXION DARK MATTER EXPERIMENT (ADMX) COLLABORATION — The Axion Dark Matter eXperiment (ADMX) has recently added a high resolution channel in ongoing efforts to detect axions in our galactic halo. This channel is designed to observe the signal from discrete flows of dark matter near Earth, in addition to the thermal spectrum, which is observable by the experiment's medium resolution channel. After briefly reviewing the properties of dark matter axions, I describe ADMX and present results from the high resolution channel.

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