

Abstract Submitted
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Dark Matter Halo Models and ADMX¹ CHRISTOPHER JANTZI,
University of Washington, ADMX COLLABORATION — The axion is a theoretical
particle hypothesized to solve the strong CP problem and also a compelling dark
matter candidate. The Axion Dark Matter eXperiment (ADMX) searches for dark
matter axions by stimulating the decay of axions to photons using a magnetic field
and a tunable resonant cavity. In this talk, I will discuss what could be learned
about the velocity distribution and density of dark matter in our galaxy if ADMX
successfully detects axion dark matter.

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