

Abstract Submitted
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ADMX: the Axion Dark Matter eXperiment DMITRY LYAPUSTIN, University of Washington, ADMX COLLABORATION — The axion is a particle arising from the Pecci-Quinn solution to the strong CP problem. Peccei-Quinn symmetry breaking in the early universe could produce a large number of axions which would still be present today, making the axion a compelling dark matter candidate. The goal of the Axion Dark Matter Experiment (ADMX) is to detect these relic axions through their conversion to photons in a strong magnetic field. Recent limits and future upgrades will be discussed.

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