

## New Perspectives



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# ADMX (Axion Dark Matter eXperiment) in 10 minutes

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The axion is a very well-motivated Dark Matter candidate in the  $\mu\text{eV}$  mass range. Its discovery would also solve the longstanding question why the electric dipole moment of the neutron is vanishingly small,  $< 10^{-26} e\text{cm}$ , so far consistent with zero. ADMX searches for axion dark matter via its resonant conversion to photons inside a strong (7.6T) magnetic field using RF cavities. In this talk we will review the physics behind the experimental setup, recent results, and future runs.

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