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## **Axion Dark Matter Experiment (ADMX) Recent Results and Future Prospects**

*Tuesday, 21 August 2018 12:00 (30 minutes)*

The Axion Dark Matter Experiment (ADMX) is currently taking data with sensitivity towards discovery of the axion that simultaneously solves the strong-CP problem of quantum chromodynamics (QCD) and accounts for the dark matter of the universe. Details will be given of the microwave cavity haloscope technique and recent published results demonstrating sensitivity in the axion coupling to two photons below the canonical theoretical band that encompasses model uncertainty. The run plan and potential future efforts will also be described.

**Affiliation**

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**Session Classification:** Dark matter