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## Latest Results and Current Progress of ADMX G2

*Friday, 20 September 2024 10:00 (20 minutes)*

The Axion Dark Matter eXperiment (ADMX) is one of the world's leading direct detection searches for axion dark matter, currently located at the University of Washington. To date, ADMX G2 has excluded axion-photon couplings predicted by the KSVZ (DFSZ) model for the axion with masses between  $2.66\text{-}4.2\ \mu\text{eV}$  ( $2.66\text{-}3.3\ \mu\text{eV}$  &  $3.9\text{-}4.1\ \mu\text{eV}$ ). We are currently continuing the search for axion dark matter with masses between  $4.13\text{-}5.78\ \mu\text{eV}$  ( $1\text{-}1.4\ \text{GHz}$ ). In this talk I will present the latest results from this search, report on the current experimental status, and discuss our next steps.

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