

Overview of the Axion Dark Matter eXperiment

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The QCD axion is a natural solution to the strong CP problem, making it one of the most well-motivated dark matter candidates. Using dilution refrigerators and quantum amplifiers, the Axion Dark Matter eXperiment (ADMX) has reached to the benchmark models of QCD axion dark matter: Kim–Shifman–Vainshtein–Zakharov (KSVZ) and Dine–Fischler–Srednicki–Zhitnitsky (DFSZ). I will give an overview on the current status of the ADMX main experiment and other R&D projects for high-mass axion search.

Collaboration you are representing

ADMX collaboration

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