

MADMAX: Introduction and status

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Dark matter axions or axion-like particles produced after inflation can have mass of 40–400 μeV . Under a magnetic field, the axions could induce electromagnetic waves of 10–100 GHz. Such a signal could be enhanced by an array of dielectric disks. The experiment, MADMAX, aims to detect these post-inflationary QCD axions. The basic concept, current status, and recent activities of the experiment will be presented.

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