

The axion dark matter experiment MADMAX

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The MAgnetized Disk and Mirror Axion eXperiment is a future experiment aiming to detect dark matter axions from the galactic halo by resonant conversion to photons in a strong magnetic field. It uses a stack of dielectric disks, called booster, to enhance the axion-photon conversion probability over a significant mass range. Several smaller scale prototype systems have been developed and used to verify the experimental principles. This talk will present the current status of the experiment and its prototypes, including the ongoing research and development and remaining challenges.

Alternate track

I read the instructions above

Yes

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