

The MADMAX Experiment

Wednesday 20 November 2019 11:10 (5 minutes)

MADMAX is an experiment to search for dark matter axion in the mass range of $40\text{ }\mu\text{eV}$ to $400\text{ }\mu\text{eV}$. The challenge is to place a series of parallel 1.25m diameter disks with high planarity ($\sim 10\text{ }\mu\text{m}$) at an environment of 4 K and in a 9 T magnetic dipole field parallel to the disks. A magnet of this size never has built.

Group

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