

Dark Matter Axion searches: Status and future Prospects

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A review on dark matter axion search experiments will be given. The existing haloscope experiments based on tunable cavities will be discussed. Novel approaches, like the dielectric haloscope concept that potentially could extend the sensitivity reach of dark matter axion searches towards higher masses will be introduced. The status of existing R&D efforts will be presented.

Author: MAJOROVITS, Bela (MPI for Physics)

Presenter: MAJOROVITS, Bela (MPI for Physics)

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