

The Migdal effect in liquid noble dark matter experiments

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Dark matter direct detection experiments have spurred interest in the Migdal effect, where it is employed to extend their sensitivity to lower dark matter masses. The calculation of the signal is subject to large theoretical uncertainties, therefore a calibration of the Migdal effect and the experimental response to a potential dark matter signal is needed. In this talk I'll show the results of proof-of-concept calculations for such a calibration using low-energy neutrons and neutrinos.

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