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Search for Light Dark Matter at accelerators

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In the last few years interest for Light Dark Matter (LDM) in the MeV - GeV range has been increasingly growing. Direct detection of non-relativistic dark matter particles from the Galactic halo mainly focused to higher masses (> 10 GeV) being insensitive to few-GeV or lighter DM, whose nuclear scattering transfers invisibly small kinetic energy to a recoiling nucleus. On the other hand availability of high intensity, high precision and moderate energy electron beams allow for testing different LDM scenarios leaving to accelerator-based experiments the opportunity to explore an equally promising but uncovered territory. In this talk I will review the latest experimental results for LDM searches as well as the new experiments proposed in different laboratories.

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