

Experimental Dark Matter Searches

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Abstract: Compelling evidence continues to indicate that the majority of the mass of the Universe is non-luminous, with a weakly interacting heavy particle being well motivated as a potential solution. Several experimental strands are being vigorously pursued in the search to identify the nature of this weakly interacting massive particle. These include direct searches using highly sensitive detectors in well shielded underground environments, the search for secondary byproducts of co-annihilation within massive bodies and structures, and the direct production of potential candidates in accelerator-based studies. This talk will outline the various techniques being adopted, describe the latest results from each search strategy and discuss the future potential for new experimental systems being brought on line.

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Not available.