

Direct search for Dark Matter

Saturday 7 January 2023 09:30 (40 minutes)

Dark matter makes up 80% of the total matter content in the universe, but has so far only been observed through its gravitational pull on ordinary matter. Direct detection experiments aim to discover dark matter interacting with their detector, and these detectors have provided rapidly improving sensitivity to the popular WIMP dark matter model. This talk gives an overview of the concepts and techniques used in direct detection experiments, some recent experimental results and some prospects for further searches.

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Session Classification: Invited talks VII