

# Direct detection of dark matter: overview

*Wednesday 12 March 2025 12:15 (45 minutes)*

Direct detection of scattering events of dark matter off ordinary atoms is a critical goal that would allow us to extract information about the nature of the dark matter particle. I will give an overview of the theory underlying the direct detection experiments and on the current status of these experiments. I will discuss some future prospects, focusing on the developments towards direct detection of light (sub-GeV) dark matter.

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**Session Classification:** Invited talk