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Including direct detection likelihoods in global fits

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Direct detection experiments place some of the strongest constraints on models of dark matter and are therefore essential to include in global analyses of such models. In this talk I will discuss the specific requirements for and possible applications of likelihood functions from direct detection experiments. I will give a brief introduction into the public code DDCalc, which provides approximate direct detection likelihoods for arbitrary interactions between dark matter and nuclei, and present some of the recent results.

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