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Recasting Direct Detection Limits Within MicrOMEGAs And Implication For Non-Standard Dark Matter Scenarios

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Direct detection experiments present 90% exclusion cross-sections for point-like spin-independent Dark Matter interaction with nucleons for fixed cosmological parameters. In this presentation, we discuss a possibility to extend obtained results of such experiments on model with arbitrary cosmological parameters, different form factors of spin-dependent interaction, interactions via light t-channel mediator, millicharged DM.

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