

Variation of alpha from a DM Force

Wednesday, 19 December 2018 11:30 (1 hour)

In this talk I will consider the possibility that the dark matter interacts with the Standard Model (SM) through a feeble long range force ϕ . This scenario has potentially interesting effects on the SM physics, depending on the radius and on the strength of the interaction. I will review some of these effect, concentrating in particular on the possibility that ϕ directly affects the measured value of the fine structure constant.

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