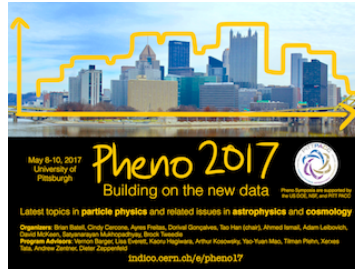


Phenomenology 2017 Symposium



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Type: parallel talk

Simplified model for dark matter

Monday, 8 May 2017 15:45 (15 minutes)

We look at a simplified model for dark matter interacting with quarks mediated by heavy colored scalars. In particular, we study the contribution from dark matter scattering against gluons from the nuclei, which arises at 1-loop. We determine relevant Wilson coefficients and also analyze the effects of RG Evolution on the same. We present our preliminary results and identify dominant contributions to dark matter - nucleon scattering.

Summary

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