

Composite Dark Matter

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Models of composite dark matter, originating from a new strongly coupled dark sector, have a very interesting phenomenology for particles with mass around the hundreds of GeVs. To make robust predictions in these models one often needs to investigate non-perturbative effects due to the strong self interactions. Lattice field theory methods and numerical simulations are well suited for this task and contribute to a solid uncertainty quantification.

I will review the advances of lattice field theory techniques relevant for searches of dark matter particles.

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