

Phenomenology of hidden photons from heterotic orbifolds

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Abstract content

In this talk, we explore the possibility of additional Abelian symmetries in semi-realistic heterotic orbifold models and their impact on phenomenology. We show how a mixing between the hypercharge and a hidden photon could lead to “dark forces”. We also introduce the “Orbifolder”, a tool to compute the properties of the effective theories arising from heterotic orbifolds.

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