

## TTbar deformed fermionic theories revisited

*Tuesday 27 July 2021 09:00 (45 minutes)*

In this talk, I will discuss the TTbar deformation of fermionic theories. First, I briefly review the TTbar deformation of two-dimensional QFTs. And, I demonstrate the Hamiltonian analysis of the TTbar deformation of free fermion, and I show how this reproduces the deformed spectrum. Then, I explain how negative norm states could appear in the TTbar deformed fermionic theories depending on the energy-momentum tensor. Finally, I shortly summarize our results on the TTbar deformation of  $N=(1,1)$  SUSY theory.

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