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Non-resonant new physics in top pair production at hadron colliders

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An effective theory is very useful to study the phenomenology of non-resonant new physics at colliders, in a model-independent way. After introducing all the new operators relevant for top pair production, I will then present the constraints on their coefficients derived from Tevatron results. Finally, I will show how the associated new interactions could manifest them-selves at the LHC.

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