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New physics signals in top physics

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Effective field theories provide a model independent parametrization of the physics beyond the SM if the new degrees of freedom are heavy and complement thus the searches for resonances. In this talk, I will apply this method to the top sector which is expected to play a special role in many BSM scenarios. I will then show the effects of those dimension-six operators on cross-sections and distributions at hadron colliders. Those results together with the present data from the LHC and the Tevatron already constrain the parameter space.

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