

# Momentum Dependence in Higgs Couplings from Physics Beyond the Standard Model

*Friday 1 July 2022 10:00 (30 minutes)*

I will consider momentum dependent effects in Higgs couplings generated by physics beyond the standard model. I will explore a model dependent approach, in which we can compute fully the non-local effects from physics not directly reachable by the LHC energy. This information is encapsulated in form factors. I will briefly compare this method with the effective field theory approach. I will then consider a few examples generating these effects in Higgs couplings and consider the phenomenological consequences for their detection at the LHC and future facilities.

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