



EINLADUNG

im Rahmen des Teilchenphysikseminars

zum Vortrag

von

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über

***„Higgs boson production in weak boson fusion:
non-factorizable QCD corrections“***

Abstract:

I will review theoretical predictions for Higgs boson production in weak boson fusion. I will also discuss the so-called non-factorizable corrections that arise at next-to-next-to-leading order in perturbative QCD. These corrections can be computed in the so-called eikonal approximation, retaining all the terms that are not suppressed by the ratio of the transverse momenta of the tagging jets to the total center-of-mass energy. In certain kinematic distributions the non-factorizable corrections can be quite comparable to their factorizable counter-parts.

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