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Towards Higgs boson production in weak boson fusion at higher orders with realistic final states

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I present new results for fully differential next-to-next-to-leading-order QCD corrections to Higgs boson production in vector-boson fusion in the factorizing limit. In contrast to earlier computations of this process, decays of the Higgs boson at leading order are included.

Author: ASTERIADIS, Konstantin (BNL)

Presenter: ASTERIADIS, Konstantin (BNL)

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