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## Higgs boson production in association with jets in gluon-gluon fusion

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After the discovery of a Higgs boson during Run I at the LHC, Higgs physics has entered an era of precision measurements. Among the different production channels, gluon-gluon fusion (ggf) is the largest one, and constitutes also an irreducible background to the very important vector boson fusion process. A precise knowledge of the ggf channel is therefore fundamental. In this talk I will present detailed results for the production of a Standard Model Higgs boson in association with up to 3 jets, and the techniques which allowed to perform this computation.

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