

On NLL soft gluon corrections to the t-tbar-Higgs boson production at the LHC

A report will be given on work in progress on the calculation of the soft gluon corrections to the Higgs boson production at the LHC in association with t-tbar pair. Preliminary results will be presented for the inclusive cross-section including the resummed soft gluon corrections at the NLL accuracy matched to the known NLO QCD results. The estimates of theoretical uncertainty of the NLL+NLO cross-section will be given.

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Track Classification: Multi-parton Dynamics