

PAUL SCHERRER INSTITUT



Particle Theory Seminar

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“NLO QCD corrections to WW +jet production at hadron colliders”

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Abstract:

I report on the calculation of the next-to-leading order QCD corrections to the production of W -boson pairs in association with a hard jet at the Tevatron and the LHC, which is an important source of background for Higgs and new-physics searches.

The corrections stabilize the leading-order prediction for the cross section considerably, in particular if a veto against the emission of a second hard jet is applied.