

Diboson production at NNLO (20+10min)

Friday 4 September 2015 17:00 (30 minutes)

We consider QCD radiative corrections to vector boson pair production in hadron collisions. We report on the computation of radiative corrections to NNLO in QCD perturbation theory. We present results for $Z\gamma$, $W\gamma$ and ZZ production at the LHC by using the selection cuts typically applied by the LHC experiments. Our calculation consistently includes the leptonic decay of the vector-bosons with the corresponding spin-correlations, off-shell effects and singly resonant diagrams. We also present a comparison of our results to the ATLAS and CMS data.

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