

Phenomenology 2019 Symposium



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Mixed $QCD \times EW$ double virtual corrections ($O(\alpha\alpha_s)$) to Drell Yan production of W and Z bosons

Monday 6 May 2019 15:30 (15 minutes)

We compute the Mixed $QCD \times EW$ double virtual corrections ($O(\alpha\alpha_s)$) to Drell Yan production of W and Z bosons. We present the explicit analytic results of unrenormalized form factors which are numerically evaluated for different phase space points. For our calculation we used IBP reductions to write the form factors in terms of a handful of master integrals. These master integrals are collected from results available in literature and they are numerically checked using SecDec.

Summary

Authors: WACKEROTH, Doreen (SUNY Buffalo); HASAN, Syed Mehedi (University at Buffalo)

Presenter: HASAN, Syed Mehedi (University at Buffalo)

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