

Drell-Yan rapidity distribution at N3LO

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I will report the first results on di-lepton rapidity distribution in Drell-Yan virtual photon production to Next-to-Next-to-Next-to-Leading Order (N3LO) in QCD. For inclusive cross section, we find excellent agreement with a previous analytic calculation. Our results show large QCD corrections at N3LO compared with NNLO over all rapidity region.

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