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Massive quark form factors at three loops

Thursday, June 9, 2022 9:30 AM (30 minutes)

I will present our calculation of massive quark form factors at three loops in QCD.

After reducing the Feynman integrals in the amplitudes to master integrals, these were computed by solving differential equations. By constructing expansions around regular as well as singular points and numerical matching, we obtain sufficient precision over the whole kinematic range.

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