

## HLbL in muon $g-2$ at large loop momenta

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We study the HLbL contribution to  $g-2$  in the kinematic region where the three loop momenta are large. We show how, even when the fourth photon is in the static limit, the massless quark loop gives the leading term of an operator product expansion. Power corrections are found to be small. Gluonic corrections are also included and the expansion is found to be well-behaved at relatively low-energies, which can be used to reduce uncertainties in the HLbL contribution to  $g-2$ .

### What is your topic?

Anomalous Magnetic Moment of the muon

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