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Recent results on massless and massive Wilson coefficients up to 3-loop

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In this talk we discuss on recent result on massless and massive Wilson coefficients in the polarized and unpolarized case up to 3-loop order. This includes the gluonic massive operator matrix element A_{gg} which enters the definition of the Variable-Falvor-Number-Scheme, and the calculation of the unpolarized and polarized massless Wilson coefficients. While the calculation of the unpolarized case is the first independent calculation of these quantities, the result for g_1 is obtained for the first time and is a necessary ingredient to obtain the polarized massive Wilson coefficients in the asymptotic limit.

Submitted on behalf of a Collaboration?

No

Participate in poster competition?

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