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New Heavy Flavor Contributions to the DIS Structure Function $F_2(x, Q^2)$ at $O(\alpha_s^3)$

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We report on recent results obtained for the massive Wilson coefficients which contribute to the structure function $F_2(x, Q^2)$ at $O(\alpha_s^2)$ and $O(\alpha_s^3)$ in the region $Q^2/m^2 \gtrsim 10$ for general values of the Mellin variable N as well as to corresponding operator matrix elements emerging in FVNSs.

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