Low- and High-Energy Expansion of Heavy-Quark Correlators at Next-To-Next-To-Leading Order

The attached files contain the results of TTP11-25 in computer readable form for the case of `nh` degenerate massive and `nl` massless quark flavors at an arbitrary renormalization scale μ. The files contain the combined 1-, 2- and 3-loop contributions.

Each file contains the expansion of one correlator in a specific kinematic region. The file names follow the pattern
<flavour structure>_<Lorentz structure>_<region>_<renormalization scheme>.
<region> is `le` for the low-energy region and `he` for the high-energy region.
The renormalisation schemes are `MS` ($\overline{\mathrm{MS}}$) and `OS` (on-shell).

We use the following notation:

asPi	pi	z	Lz	Lq	Lm
α_s/π	π	q^2/m^2	$\log\left(-q^2/m^2\right)$	$\log\left(-q^2/\mu^2\right)$	$\log\left(m^2/\mu^2\right)$

cf	ca	tf	z2, z3, z4, z5	a4
$C_F = 4/3$	$C_A = 3$	$T_F = 1/2$	$\zeta(2), \zeta(3), \zeta(4), \zeta(5)$	$\mathrm{Li}_4(1/2)$

c4	ls2	log2	sqrt3
$24\mathrm{Li}_4(1/2) + \log^4(2) - 6\zeta(2)\log^2(2)$	$\mathrm{Im}[\mathrm{Li}_2((-1)^{2/3})]$	$\log 2$	$\sqrt{3}$