

Low energy moments of heavy quark current correlators at four loops

The results for the expansions of the vector, axial-vector, scalar and pseudo-scalar correlators presented in TTP09-18 are provided in the form of FORM readable files. For each correlator the results are given in $\overline{\text{MS}}$ and on-shell scheme in two separate files. We use the following notations:

z	the ratio $q^2/(4m^2)$
asPi	α_s/π , the strong coupling constant divided by π
nh	number of heavy quarks
nl	number of light quarks
Cf	C_F , the Casimir operator of $SU(n_c)$ in the adjoint representation
Ca	C_A , the Casimir operator of $SU(n_c)$ in the adjoint representation
Tf	T_F , trace normalisation for the generators T^a of the fundamental representation
L	$\log \mu^2/m^2$, where μ is the 't Hooft mass
log2	$\log 2$
z2,z3,...	the values ζ_2, ζ_3, \dots of the Riemann ζ function