

$$\mathbf{\Gamma}_{N^3LL}^{(-)} = i\pi \left[\frac{11\zeta_4}{4} (C_A - \mathbf{T}_t^2)^2 \left(\frac{\alpha_s}{\pi} \right)^3 + \mathcal{O}(\alpha_s^4) \right] \mathbf{T}_{s-u}^2$$