

**Erratum: Perturbative QCD below charm threshold: Theory and tensions
with e^+e^- data
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In Eq. (32) of this paper, which gave the strange-quark mass corrections to $R_{uds}(s)$, a term of order a_s^0 was inadvertently included. This term should be removed; the correction starts at $\mathcal{O}(a_s)$. Equation (32) should thus read

$$\delta_{m_q^2} = \frac{m_s^2(s)}{s} \left(2a_s + \frac{227}{12} a_s^2 + \dots \right). \quad (1)$$

This mistake is also present in the numerical results given in Table I but the correct $\delta_{m_q^2}$ turns out even smaller. Changes on $R_{uds}(s)$ are tiny and do not affect our conclusions or figures. The correct version of Table I is given below, for completeness.

This correction also entails very small changes to the second and third column of Table II of the paper. The corrected values are given in Table II below.

TABLE I. Results for R_{uds} in the inclusive region and the respective breakdown into the different corrections defined in Eq. (10) of the paper.

$\sqrt{s}$ (GeV)	R_{uds}	$\delta_{\alpha_s}^{(0)}$	δ_{DVs}	$\delta_{m_q^2}$	δ_{EM}
2.0	2.12(14)	0.0879(21)	−0.030(69)	0.000775(27)	0.00058
2.5	2.178(19)	0.0822(15)	0.0060(93)	0.000377(11)	0.00058
3.0	2.1560(46)	0.0776(12)	−0.0004(19)	0.0002148(54)	0.00058
3.5	2.1491(22)	0.0739(11)	−0.00003(13)	0.000136(31)	0.00058

TABLE II. Results for $a_\mu^{\text{HVP}} \times 10^{10}$ for two energy intervals: $1.8 \leq \sqrt{s} \leq 3.66$ and $2.23 \leq \sqrt{s} \leq 3.66$ GeV. We give theory results from pure perturbative QCD (pQCD) and pQCD+ duality violations (DVs) [in both cases including small m_s and electromagnetic (EM) corrections].

$\sqrt{s}$ (GeV)	pQCD	pQCD+ DVs
[1.8; 3.66]	33.087(51)	32.9(1.3)
[2.23; 3.66]	17.858(23)	17.84(18)

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