Erratum: Operator product expansion sum rules for heavy flavor transitions and the determination of $|V_{cb}|$ [Phys. Rev. D 51, 2217 (1995)]

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(1) Equation (21) contains two misprints; the correct equation should read

$$\Gamma(B \to \ell\nu X_c) = \frac{G_F^2 m_b^5}{192\pi^3}|V_{cb}|^2 \left\{ z_0(x)\left(1 - \frac{2\alpha_s}{3\pi}(\pi^2 - 25/4) z_0^{(1)}(x)\right)\left(1 - \frac{\mu_\pi^2 - \mu_G^2}{2m_b^2}\right) - 2z_1(x)\frac{\mu_G^2}{m_b^2} + O(\alpha_s^2, \alpha_s/m_b^2, 1/m_b^3)\right\} . \tag{21}$$

In our numerical analysis we used the correct expression.

(2) To clarify the numerical estimate of $|V_{cb}|$ in Eq. (25) it is worth noting that we used for α_s the strong coupling $\alpha_s^{(V)}(m_b)$ in the V scheme corresponding to the modified minimal subtraction scheme $\overline{\rm MS}$ coupling $\alpha_s^{(\overline{\rm MS})}(m_b) = 0.22$ cited in the literature:

$$\alpha_s^{(V)}(m_b) = \frac{\alpha_s^{(\overline{\rm MS})}(m_b)}{1 - \frac{5b}{12\pi}\alpha_s^{(\overline{\rm MS})}(m_b)} \simeq 0.30 \ .$$

We assumed also that $|V_{ub}| \simeq 0.1|V_{cb}|$ and, therefore, $B_{\rm sl}(B) \simeq 0.002 + B(B \to \ell\nu X_c)$.

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