

ERRATA

1. pg. 65: The last sentence, continuing on to pg. 65: “It would contribute to the electron spectrum $d\Gamma(\bar{B} \rightarrow De\bar{\nu}_e)/dE_e$.” should read “It would contribute to the electron spectrum $d\Gamma(\bar{B} \rightarrow D^*e\bar{\nu}_e)/dE_e$.”
2. pg. 67, Eq. (2.87): sign error in the h_- term of \mathcal{F}_D The equation should read:

$$\mathcal{F}_D(w)^2 = \left[h_+ - \left(\frac{1-r}{1+r} \right) h_- \right]^2$$

Submitted by Sascha Turczyk

3. pg. 73, problem 4: The first two form factor relations are missing factors of 2, and should should read

$$\begin{aligned} g_+^{(Q)} - g_-^{(Q)} &= -2m_Q g^{(Q)}, \\ g_+^{(Q)} + g_-^{(Q)} &= f^{(Q)}/m_Q + 2\frac{p \cdot p'}{m_Q} g^{(Q)}, \end{aligned}$$

4. pg. 74, problem 7: the second equation is missing $-i$, and should be

$$\frac{\langle D_1(p', \epsilon) | A^\mu | \bar{B}(p) \rangle}{\sqrt{m_B m_{D_1}}} = -i f_A \epsilon^{\mu\alpha\beta\gamma} \epsilon_\alpha^* v_\beta v'_\gamma,$$

5. pg. 112, Eq. (4.50): sign error in the ξ_- term. The equation should read:

$$M_\mu(v, v') = \xi_+(v + v')_\mu - \xi_-(v - v')_\mu - \xi_3 \gamma_\mu$$

Submitted by Gil Paz

6. pg. 113, Eq. (4.56): sign errors in the h_\pm equations. The equations should read

$$\begin{aligned} \delta h_+ &= [(1+w)\xi_+ + \xi_3] \left(\frac{1}{2m_c} + \frac{1}{2m_b} \right) - (w-1)\xi_- \left(\frac{1}{2m_c} - \frac{1}{2m_b} \right) \\ \delta h_- &= [(1+w)\xi_+ + 3\xi_3] \left(\frac{1}{2m_c} - \frac{1}{2m_b} \right) - (w+1)\xi_- \left(\frac{1}{2m_c} + \frac{1}{2m_b} \right) \end{aligned}$$

Submitted by Andrew Kobach

7. pg. 147, Eq. (5.67): a ' missing on v :

$$\frac{i}{p_\pi \cdot v' + \Delta^{(c)}}$$