Errata

Erratum: Leptonic decay of light vector mesons in an independent quark model [Phys. Rev. D 47, 1001 (1993)]

N. Barik, P. C. Dash, and A. R. Panda

PACS number(s): 13.20.Jf, 12.39.Pn, 99.10.+g

(i) In Eq. (24) of this paper the integrand should be divided by a factor $(k_1+k_2)^4$ which has been shown to be multiplied in the paper.

(ii) In the integrand of Eq. (25), a factor of $1/4E_pE_{p'}$ should be replaced by $m_q^2/E_pE_{p'}$ for consistent use of the normalization throughout the text in the paper.

(iii) The mean electric charge of the constituent quark for the ϕ meson should read $\langle e_q\rangle_\phi = 1/3$ instead of $\langle e_q\rangle_\phi = 1/\sqrt{3}$.

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Erratum: Radiative decay of light and heavy mesons [Phys. Rev. D 49, 299 (1994)]

N. Barik and P. C. Dash

PACS number(s): 13.40.Hq, 12.39.Pn, 99.10.+g

(i) The value of $\Gamma(B_s^{*0}\to B_s^0\gamma)$ in Eq. (15) as well as in the fourth column in Table II of this paper should read 0.13 instead of 0.11.

(ii) After the above correction Eq. (15) should be read as Eq. (18) and vice versa.

Erratum: Electroweak gauge boson self-energies: Complete QCD corrections [Phys. Rev. D 49, 3499 (1994)]

A. Djouadi and P. Gambino

PACS number(s): 14.70.−e, 12.38.Bx, 99.10.+g

Equation (3.4) on p. 3503 should read

$$\Sigma_m(p^2)=\frac{\alpha_S}{\pi}\left(\frac{\mu^2 e^{\gamma}}{m^2}\right)^{\epsilon}\frac{m}{\epsilon}\,\frac{1-2\epsilon/3}{1-2\epsilon}\,\Gamma(1+\epsilon)\left[1+O\left(\frac{p^2}{m^2}-1\right)\right].$$

Equation (3.5) on p. 3503 is correct only up to term $O(\epsilon^2)$. The first line of Eq. (5.3) on p. 3507 should read

$$J=-4[2\mathrm{Li}_2(x^2)-2\mathrm{Li}_2(x)+2\,\ln|x|\ln(1-x^2)-\ln|x|\ln(1-x)].$$

In the Appendix, on p. 3510 the first line of Eq. (A.6) should read

$$P\equiv\frac{1}{q^2}\left\langle\frac{K_0}{K_1K_2Q_1Q_2}\right\rangle=(1-\alpha+\beta)KD_A+(1+\alpha-\beta)KD_B-\frac{1}{2}(D_A-D_B)^2-\frac{\lambda}{2}K^2,$$

and, on the same page, the tenth line of Eq. (A.6) should read

$$L\equiv\frac{1}{q^2}\left\langle\frac{1}{K_1Q_2K_0}\right\rangle=\frac{1}{2}\left[\frac{7}{8}+\frac{1}{4}(2+\epsilon)K^2+M_A+N_A-(1-\alpha+\beta)J_A\right]+\frac{1}{2}(\alpha\leftrightarrow\beta).$$

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Erratum: QCD corrections to Higgs boson self-energies and fermionic decay widths [Phys. Rev. D 51, 218 (1995)]

A. Djouadi and P. Gambino

PACS number(s): 14.80.Cp, 12.15.Lk, 12.38.Bx, 12.60.Cn, 99.10.+g

Equation (3.6) on p. 222 should read

$$\Pi^{\Phi}(q^2)|_{\mathrm{CT}}=-\frac{\delta m_U}{m_U}\left[1+\frac{m_U\partial}{\partial m_U}\right]\Pi^{\Phi}(q^2)|_{\text{one loop}}-\frac{\delta m_D}{m_D}\left[1+\frac{m_D\partial}{\partial m_D}\right]\Pi^{\Phi}(q^2)|_{\text{one loop}}.$$

Equation (5.9) on p. 226 should read

$$J=-(1+2\alpha)[2\mathrm{Li}_2(x^2)-2\mathrm{Li}_2(x)+2\,\ln|x|\ln(1-x^2)-\ln|x|\ln(1-x)]+\sqrt{1+4\alpha}\left[2\,\ln(1-x^2)-\ln(1-x)+\frac{x(3x-1)}{1-x^2}\ln|x|\right].$$

0556-2821/96/53(7)/4111(1)/$10.00

Erratum: Supersymmetric QCD corrections to top quark production in $p\bar{p}$ collisions [Phys. Rev. D 52, 5014 (1995)]

Chong Sheng Li, Bing Quan Hu, Jin Min Yang, and Chen Guo Hu

PACS number(s): 14.65.Ha, 12.38.Bx, 12.60.Jv, 13.85.−t, 99.10.+g

The momentum of the three-point integrals C_0, C_{ij} of the above manuscript should be changed as follows: $p_1 \to p_3$ for Eqs. (A6) and (A7) and (A13) and (A14), and $p_1 \to -p_1, k \to -k$ for Eqs. (A10) and (A11).

In addition, the four-point integrals D_0, D_{ij} should read $D_0, D_{ij}(-p_1, -p_2, p_4, m_{\tilde{g}}, m_{\tilde{q}_j}, m_{\tilde{g}}, m_{\tilde{t}_i})$.

Finally, the form factor $F_5^{(2)}$ in Eq. (A12) should be multiplied by 9.

The numerical results for the relative correction to the hadronic cross section are shown in a revised Fig. 2. From the revised Fig. 2 we can find that our conclusion remains unchanged for favorable parameter values.

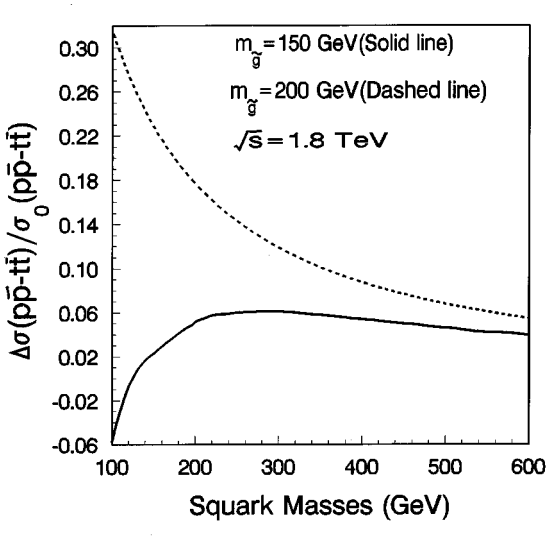

FIG. 2. Relative correction to hardronic cross section at Tevatron versus squark mass.

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Erratum: Anomalous commutator corrections to sum rules [Phys. Rev. D 52, 5194 (1995)]

Javier P. Muniain and José Wudka

PACS number(s): 11.55.Hx, 11.10.Jj, 11.90.−q, 12.38.Lg, 99.10.+g

Some terms in Eqs. (3.4) and (3.5) were mistakenly omitted. The complete expressions are obtained by the replacements (c_2 remains unchanged)

$$c_{0\mu\nu}^{ab}(p) \to c_{0\mu\nu}^{ab}(p) + \delta^{ab}\tilde{\eta}\,\frac{\tilde{p}_\mu\, p_\nu + p_\mu \tilde{p}_\nu}{2p^2},$$

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$$c_{1\mu\nu\rho}^{abc}(p)\to c_{1\mu\nu\rho}^{abc}(p)+\frac{f^{abc}}{p^2}\left[\tilde{c}g_{\mu\nu}\tilde{p}_\rho+\tilde{d}\,\frac{p_\mu\,p_\nu\tilde{p}_\rho}{p^2}\right],$$

where $\tilde{p}_\mu=\epsilon_{\mu\nu}p^\nu$. In simplifying the above expressions we used $\tilde{p}_\mu p_\nu-\tilde{p}_\nu p_\mu=\epsilon_{\mu\nu}p^2$ and $\epsilon_{\mu\alpha}g_{\rho\nu}+\epsilon_{\rho\mu}g_{\alpha\nu}+\epsilon_{\alpha\rho}g_{\mu\nu}=0$.

The commutators in Eq. (3.6) become

$$\frac{1}{i}\mathscr{C}_{00}^{ab}\to\frac{1}{i}\mathscr{C}_{00}^{ab}-\tilde{\eta}\delta^{ab}P-f^{abc}(\tilde{c}+\tilde{d})J_1^c,$$

$$\frac{1}{i}\mathscr{C}_{11}^{ab}\to\frac{1}{i}\mathscr{C}_{11}^{ab}-\tilde{\eta}\delta^{ab}P+f^{abc}\tilde{c}J_1^c$$

(the other commutators remain unchanged).

In the case where the theory has only right-handed couplings $\tilde{d}+d=0$, (3.7) becomes

$$[J_R^a(0,X/2),J_R^b(0,-X/2)]=\frac{i(\eta+\tilde{\eta})}{2}d^{ab}\delta'(X)+\frac{a+b+d}{2}f^{abc}J_R^c\delta(X).$$