## ERRATA

## Total Hadronic Cross Section in $e^+e^-$ Annihilation at the Four-Loop Level of Perturbative QCD [Phys. Rev. Lett. 66, 560 (1991)]

Levan R. Surguladze and Mark A. Samuel

There is a minor misprint in Eq. (16). A minus sign is missing. Equation (16) for  $\beta_{OED}(\alpha)$  should read as follows:

$$\beta_{\text{QED}}(\alpha) = \frac{4}{3}N\left(\frac{\alpha}{4\pi}\right)^2 + 4N\left(\frac{\alpha}{4\pi}\right)^3 - N\left(2 + \frac{44}{9}N\right)\left(\frac{\alpha}{4\pi}\right)^4 - N\left\{46 + \left\lfloor\frac{832}{9}\zeta(3) - \frac{760}{27}\right\rfloor N + \frac{1232}{243}N^2\right\}\left(\frac{\alpha}{4\pi}\right)^5.$$
 (16)

This result was first reported by Gorishny, Kataev, Larin, and Surguladze.<sup>1</sup>

An independent calculation of  $R(s) = \sigma_{tot}(e^+e^- \rightarrow \gamma \rightarrow hadrons)/\sigma(e^+e^- \rightarrow \mu^+\mu^-)$  has recently been completed by Gorishny, Kataev, and Larin.<sup>2</sup> Their results agree completely with our results given in Eqs. (10)-(13), provided one replaces the coefficient  $\frac{4}{3}$  in the second-to-last term of Eq. (10) by  $C_F$ . This is a nonessential difference since, for the usual gauge group SU(3),  $C_F = \frac{4}{3}$ .

<sup>1</sup>S. G. Gorishny, A. L. Kataev, S. A. Larin, and L. R. Surguladze, in Proceedings of the International Seminar Quarks-90, Telavi, Georgia, U.S.S.R., May 1990 (unpublished); Phys. Lett. B (to be published).

<sup>2</sup>S. G. Gorishny, A. L. Kataev, and S. A. Larin, in Proceedings of the First International CERN-IHEP-JINR Workshop on the Standard Model and Beyond, Dubna, 1-5 October 1990 (unpublished); Phys. Lett. B (to be published).

## Response of Manifolds Pinned by Quenched Impurities to Uniform and Random Perturbations [Phys. Rev. Lett. 66, 1473 (1991)]

Yonathan Shapir

In the abstract,  $p < L^{-1/\phi_p}$  should be  $p < L^{-\phi_p}$ .

On p. 1475 (right column), in the first line of the second paragraph,  $\zeta(D) < (D-4)/4$  should be  $\zeta(D) < (4-D)/4$ . On p. 1476, the line preceding Eq. (17),  $\sim pL^{[D+(1-\beta')\zeta]/L}$  should be  $\sim pL^{[D+(1-2\beta')\zeta]/2}$ .

In the last equation on p. 1476, the right-hand side,  $-\beta'\zeta/2$ , should be  $-\beta'\zeta$ .

In the fourth line from the bottom, left-hand column (p. 1476),  $\beta' < \frac{3}{2}$  should be  $\beta' < \frac{3}{4}$ .

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