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Erratum

Erratum to: “On analytic properties of the photon polarization function in a background magnetic field” [Phys. Lett. B 522 (2001) 257][☆]

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In our Letter, Eq. (33) should be corrected. The corrected equation reads:

$$\operatorname{Re} \bar{\Pi}_{\parallel}(\omega'^2, q'^2) = \frac{P}{\pi} \int_1^{\infty} dt \frac{\operatorname{Im} \bar{\Pi}_{\parallel}(t, q'^2)}{t - \omega'^2},$$

where the dimensionless function $\bar{\Pi}_{\parallel}(\omega'^2, q'^2)$ is related to $\Pi_{\parallel}(\omega^2, q_x^2)$ by

$$\Pi_{\parallel}(\omega^2, q_x^2) = -(\alpha_e \omega^2 / 4\pi) \bar{\Pi}_{\parallel}(\omega'^2, q'^2),$$

as has been shown in Eq. (9). The error in Eq. (33) does not affect the results of our Letter.

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