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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:

$$\text{Re}\,\overline{\Pi}_{\parallel}\left(\omega'^{2}, q'^{2}\right) = \frac{P}{\pi} \int\limits_{1}^{\infty} dt \, \frac{\text{Im}\,\overline{\Pi}_{\parallel}(t, q'^{2})}{t - \omega'^{2}},$$

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

$$\Pi_{\parallel}\left(\omega^{2}, q_{x}^{2}\right) = -\left(\alpha_{e}\omega^{2}/4\pi\right)\overline{\Pi}_{\parallel}\left(\omega'^{2}, q'^{2}\right),$$

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