Errata

Spin dependent gluon densities from large p_T photon and dimuon production

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In Table 1, the second entry in the third line, under direct photon,

$$-\frac{1}{3} \frac{\hat{s}^2 + \hat{t}^2}{\hat{s}\hat{t}} \quad \text{should read} \quad -\frac{1}{3} \frac{\hat{s}^2 + \hat{u}^2}{\hat{s}\hat{u}}.$$

In (5b) and (5c), $g^T(x_1)$ and $g^P(x_2)$ should read $\tilde{g}^T(x_1)$ and $\tilde{g}^P(x_2)$, respectively.

At the beginning of the paragraph before (9), the sentence should read “We now work out corrections to Eq. (8)”

There is an overall sign missing in (9a). It should read

$$A_{pp\alpha} = -\phi A_{\mu p}(x) A_{gl}(x) + \beta A_{\mu p}(x) [\phi A_{gl}(x) + A_{\sigma}(x)]. \quad (9a)$$

As a result, the plotted asymmetries in Figs. 3, and 4 correspond to the negative of the asymmetry calculated through (9a).

Nonperturbative propagators for scalars and fermions to all orders in their masses

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Equations (41) and (42) should read as follows:

$$\bar{\Pi}_{\phi}^{\mu\nu}(k) = -\frac{4i}{3} Q^2 e^2 \langle \phi^+ \phi \rangle (-g^{\mu\nu} + k^{\mu} k^{\nu} / k^2) \cdot \left\{ 1 + \left(\frac{k^2}{4m^2} - 1 \right) \left(1 - \sqrt{1 - \frac{4m^2}{k^2}} \right) \right\}. \quad (41)$$

$$\bar{\Pi}_{\psi}^{\mu\nu}(k) = \frac{4i}{3} Q^2 e^2 \frac{\langle \bar{\psi} \psi \rangle}{2m} (-g^{\mu\nu} + k^{\mu} k^{\nu} / k^2) \cdot \left\{ -1 + \left(\frac{k^2}{2m^2} + 1 \right) \left(1 - \sqrt{1 - \frac{4m^2}{k^2}} \right) \right\}. \quad (42)$$