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$$L_{QCD} = \sum_{\psi} \overline{\psi}_i \left(i\gamma^{\mu} (\partial_{\mu}\delta_{ij} - ig_s G^a_{\mu} T^a_{ij}) - m_{\psi\delta_{ij}} \psi_j \right) - \frac{1}{4} G^a_{\mu\nu} G^{\mu\nu}_a \tag{1}$$

$\psi_i \gamma^{\mu} G^a_{\mu} T^a_{ij} \times G^a_{\mu\nu} g_s$
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$$\alpha_s(Q^2) = \frac{g_s^2(Q^2)}{4\pi} = \frac{1}{\beta_0 \ln(Q^2/\Lambda^2_{QCD})} \tag{2}$$

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$$\frac{dN_{\alpha}}{d\Delta\phi} \approx \frac{N_{\alpha}}{2\pi} [1 + 2v_{1,\alpha} \cos(\Delta\phi) + 2v_{2,\alpha} \cos(2\Delta\phi) + ... + 2a_{1,\alpha} \sin(\Delta\phi) + ...], \tag{3}$$

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