

$$\mathcal{L}_{\text{QCD}} = -\frac{1}{4}G_{\mu\nu a}G_a^{\mu\nu} + \sum_q i\bar{q}\gamma^\mu D_\mu q - \bar{q}mq + \frac{\alpha_s}{8\pi}\theta G_{\mu\nu a}\tilde{G}_a^{\mu\nu}$$