

$$\begin{array}{c} ? \\ ? \\ \tau ? \\ ? \end{array}$$

$$\frac{\mu\mu\tau\tau}{\mu\mu\tau\tau}$$

$$L_{QCD}=\sum_{\psi}\overline{\psi}_i\big(i\gamma^{\mu}(\partial_{\mu}\delta_{ij}-ig_sG_{\mu}^aT_{ij}^a)-m_{\psi\delta_{ij}}\psi_j\big)-\frac{1}{4}G_{\mu\nu}^aG_a^{\mu\nu}$$

$$\begin{array}{l} (1) \\ \psi_i\gamma^\mu G_\mu^a T_{ij}^a \times G_{\mu\nu}^a g_s \\ \begin{array}{c} ? \\ ??? \end{array} \end{array}$$

$$\alpha_s(Q^2)=\frac{g_s^2(Q^2)}{4\pi}=\frac{1}{\beta_0\ln(Q^2/\Lambda_{QCD}^2)}$$

$$\begin{array}{l} (2) \\ ??\alpha_sQ\alpha_s\alpha_s \\ use/qcd_{as}.png[?] \\ 1GeV/fm^3 \end{array}$$

$$\begin{array}{c} ? \\ ? \\ ? \\ ? \\ ? \\ ? \\ ? \end{array}$$

$$\begin{array}{c} ? \\ ? \\ ? \end{array}$$

$$\begin{array}{c} ?? \\ evolution.pdf \\ T_c \\ ? \end{array}$$

$$\begin{array}{c} use/QCDPhaseDriagram.pngQCD[?] \\ ?? \\ ? \\ ? \end{array}$$

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

$$\begin{array}{l} (3) \\ \phi\Delta\phi = \\ \phi - \\ \Psi_{RP}\alpha \\ + \\ v_1 \\ v_2 \\ v_3 \\ ? \end{array}$$

$$\begin{array}{c} a_{1,-} \underline{\underline{a_1}} \\ -a_{1,+}a_1? \end{array}$$

$$\mu_5\overrightarrow{B}$$

$$\begin{array}{c} SU(3) \\ ? \\ ? \\ ? \\ ? \\ ? \\ ? \\ ? \end{array}$$

$$\begin{array}{c} ?B\sim \\ 10^{14} \end{array}$$

$$\begin{array}{c} \overrightarrow{B} \\ \overrightarrow{B} \end{array}$$

$$\begin{array}{c} ??Q_wQ_w = \\ -1u \end{array}$$

$$\begin{array}{c} d \\ use/mechanism \\ ? \end{array}$$

$$\begin{array}{c} ?? \\ a_{1\pm} \\ mu_5a_{1\pm} \\ a_1 \end{array}$$

$$\begin{array}{c} ? \\ ? \\ ? \\ ? \\ ? \\ ? \\ ? \end{array}$$