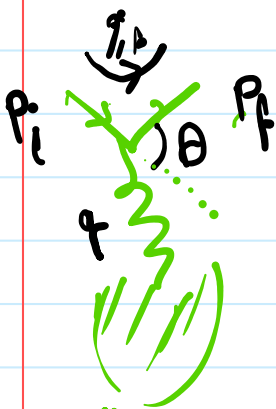
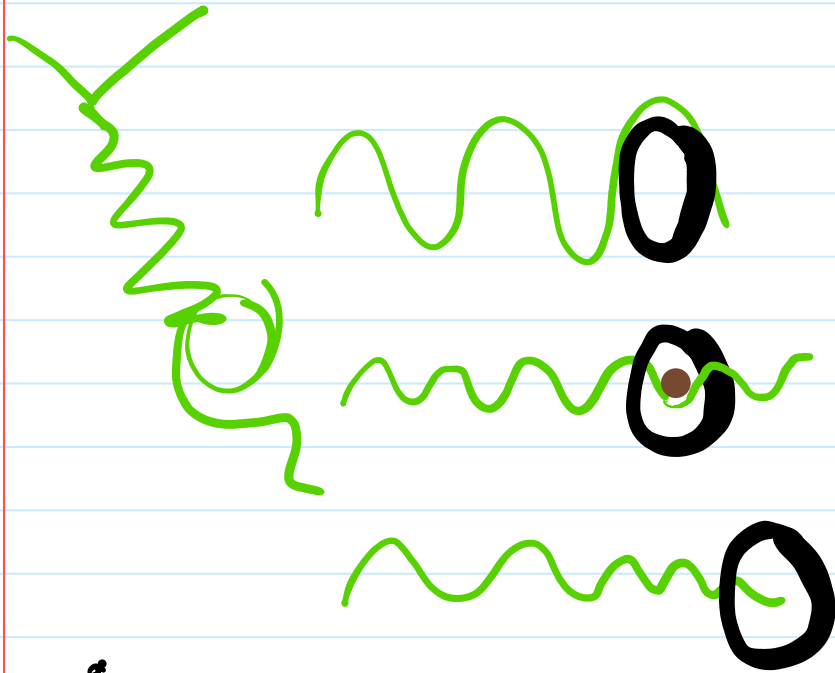


شکل  
اندازه  
رنگ



$$q^2 = (p_i - p_f)^2 \Rightarrow q^2 = 4p^2 \sin^2 \theta$$

$$|p_i| = |p_f| = p$$

$$\nabla^2 \varphi(x) = -ze^{\rho(x)}$$

$$A = (\varphi, 0)$$

$$T_H = -i \int \psi^\dagger \nabla \psi \, d^4x$$

$$P^\mu \rightarrow P^\mu + eA^\mu$$



$$P^\mu \rightarrow P^\mu + eA^\mu$$

$$(\gamma_\mu P^\mu - m)\psi = -e\gamma_\mu A^\mu \psi$$

$$1 \cdot E + \dots = V \psi$$

$$\psi^\dagger = \bar{\psi} \gamma^0$$

$$T_{ii} = ie \int \bar{\psi} \gamma_\mu A^\mu \psi d^4x$$

$$= -i \int \bar{\psi} \gamma_\mu A^\mu \psi d^4x$$

$$A(q) = \int d^4x e^{-iq \cdot x} A(x)$$

$$= \int dt e^{i(E_i - E_f)t} \int d^3x \dots$$

$$d\sigma = \frac{|T_{fi}|^2}{T} \frac{d^3p}{(2\pi)^3 2E} \left( \frac{1}{\sqrt{2E}} \right)$$

$$\frac{d\sigma}{d\Omega} = \left( \frac{d\sigma}{d\Omega} \right)_{\text{not}} |F(q)|^2$$

$$\frac{1}{s} \sum_s \bar{u} \gamma^\mu u$$