Discount projective

$$R = (E_1, \overline{R}_1)$$
 outgoing particle.

 $R = (E_1, \overline{R}_2)$ 
 $R = (E_1,$ 

$$|\vec{q}| = 21\vec{P}_1 | \sin \frac{\theta}{\theta} = q^2 = 4 \vec{P}_{11}^2 \sin^2 \frac{\theta}{\theta}$$

$$|M|^2 = \left(\frac{\alpha MT}{q^2}\right)^2 \left(\frac{m_1^2}{q^2} + \vec{P}_{12} \cos^2 \frac{\theta}{\theta}\right)$$

$$|M_1|^2 = \left(\frac{\alpha MT}{q^2}\right)^2 \left(\frac{m_1^2}{q^2} + \vec{P}_{12} \cos^2 \frac{\theta}{\theta}\right)$$

$$|M_1|^2 = \left(\frac{\alpha MT}{q^2}\right)^2 \left(\frac{m_1^2}{q^2} + \vec{P}_{12} \sin^2 \frac{\theta}{\theta}\right)$$

$$|M_1|^2 = \frac{\alpha MT}{q^2} \left(\frac{\alpha MT}{q^2}\right)^2 \left(\frac{m_1^2}{q^2} + \vec{P}_{12} \sin^2 \frac{\theta}{\theta}\right) \frac{1}{|T_{11}|}$$

$$|M_1|^2 = \frac{\alpha MT}{q^2} \left(\frac{\alpha MT}{q^2}\right)^2 \left(\frac{m_1^2}{q^2} + \vec{P}_{12} \sin^2 \frac{\theta}{\theta}\right) \frac{1}{|T_{11}|}$$

$$|M_1|^2 = \frac{\alpha MT}{q^2} \left(\frac{m_1^2}{q^2} + \vec{P}_{12} \sin^2 \frac{\theta}{\theta}\right) \frac{1}{|T_{11}|}$$

$$|M_1|^2 = \frac{\alpha MT}{q^2} \left(\frac{m_1^2}{q^2} + \vec{P}_{12} \sin^2 \frac{\theta}{\theta}\right) \frac{1}{|T_{11}|^2} \frac$$

2 hody collinous:

et et et elastic scattens et putin melastic scattens

Buchla Scattenry Pr= Pr+9

$$M_3 \circ \alpha^2$$

M=M1+M2+M3 = ax+ bx+cx2 M12 ~ ~2+0(~4)

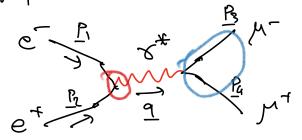


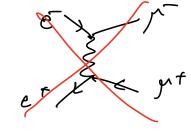
PM3 => iguare M3

S-Channel.

M(ete-refer) = Man Max Max

IMIZ = MIZ+MZ+ MUZ+ EMIME + EMIMES + EMIMES + EMIMES



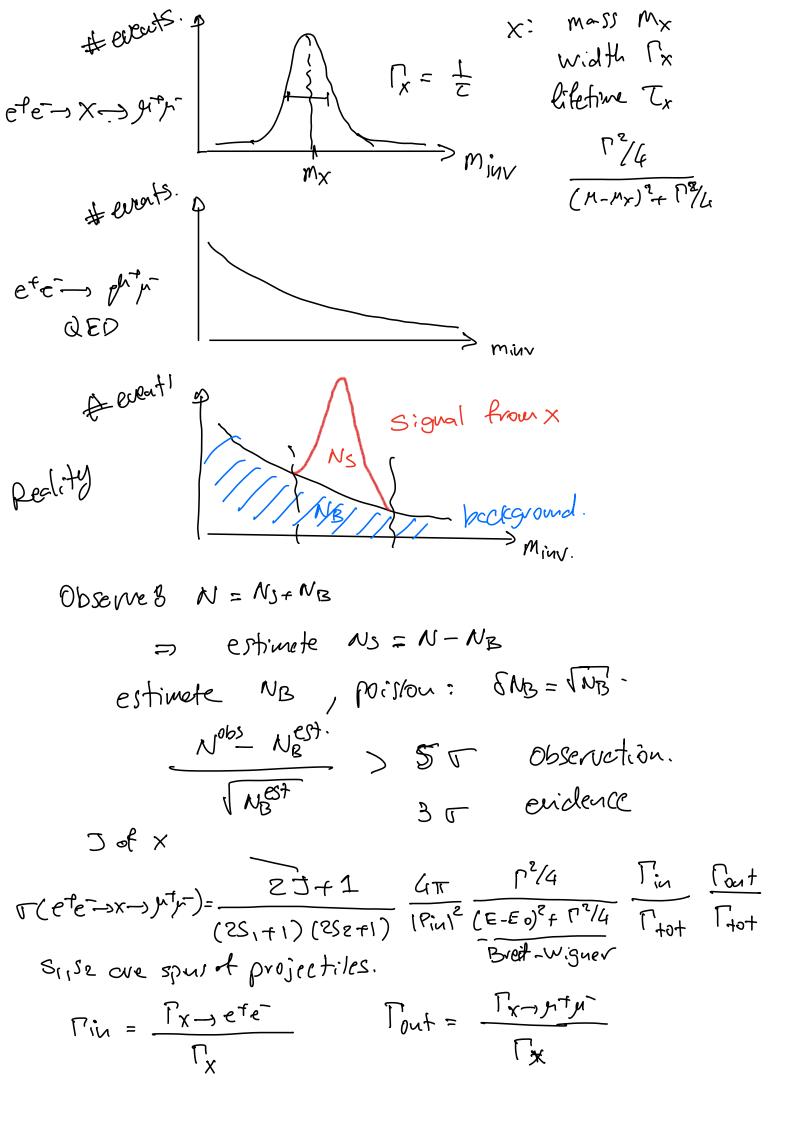


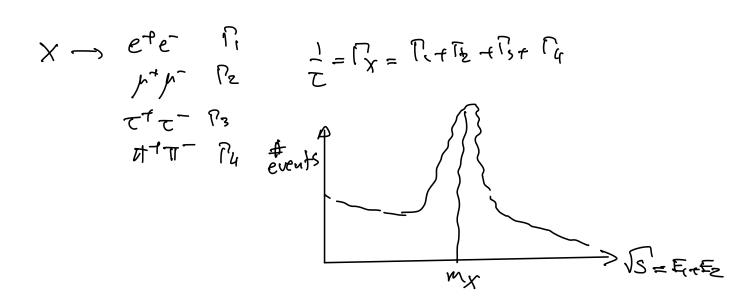
lepton # violation

o(ete-) pty-) a IMI2

$$\mu \sim (\bar{u} \gamma^{\mu} u) - \frac{ig\mu v}{q^2} (\bar{u} \gamma_{\mu} u)$$

$$M = \frac{Q}{Q^2} = 0 \quad \sqrt{\frac{Q^2}{Q^4}} = \frac{e^{\frac{1}{2}}}{(E_1 + \overline{E}_1)^2} = \frac{e^{\frac{1}{2}$$





VS>Mx to produce X