

$$\frac{Q^2}{2m\omega} \equiv X$$

$$\mathcal{L} \quad \frac{Q^2}{\omega^2 - M^2 + Q^2}$$

$$\left. \begin{array}{l} k^\mu \\ k'^\mu \\ p^\mu \end{array} \right\}$$

$$= \frac{Q^2}{2p^\mu q_\mu}$$

$$p'^\mu$$

$$q^\mu$$

$$\underline{\text{Elastic:}} \quad E' = E - \nu$$

$$E' = E - \frac{Q^2}{2M} = E - \frac{4EE' \sin^2 \frac{\theta}{2}}{2M}$$

$$E' \left(1 + \frac{2E \sin^2 \theta/2}{M} \right) = E$$