



$$Q^2 \simeq 2m_e E'_e \simeq 10^{-3} \text{ GeV}^2$$

$$y \simeq \frac{m_e E_\mu}{m_\mu} \left(1 - 2 \frac{E'_e}{m_e} \sin^2 \frac{\theta}{2} \right) = (y_{\pi^0}, 1 \text{ GeV})$$

$$y_{\pi^0} = \frac{m_{\pi^0}}{m_\mu} \left(\frac{1}{2} m_{\pi^0} + m_\mu \right) \simeq 230 \text{ MeV}$$