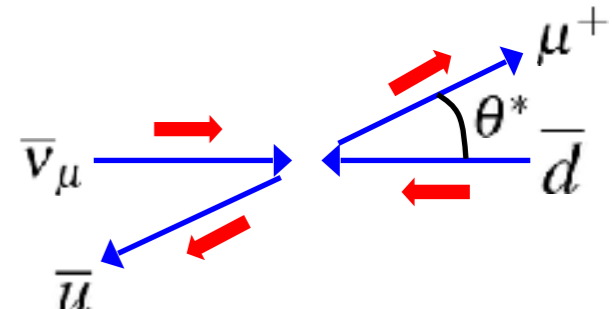
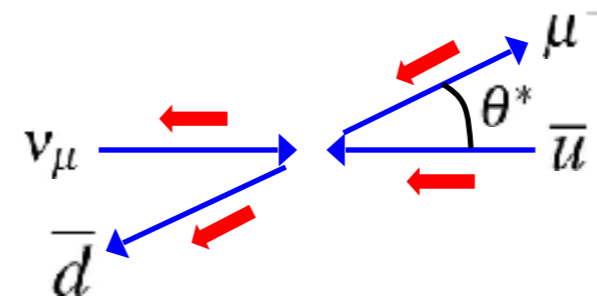
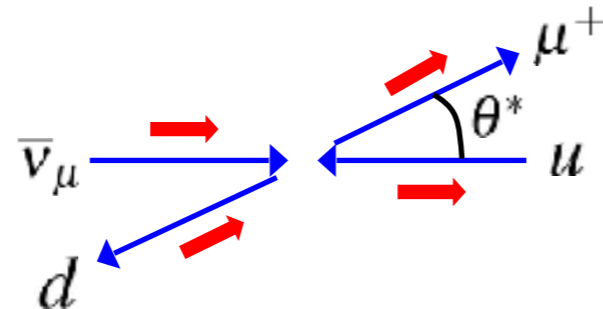
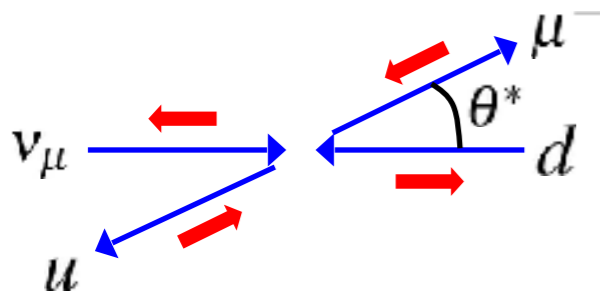
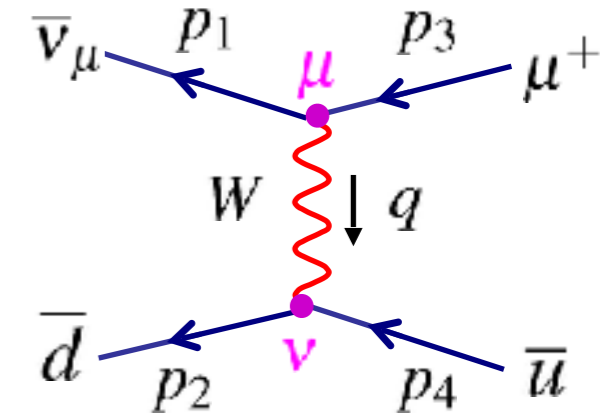
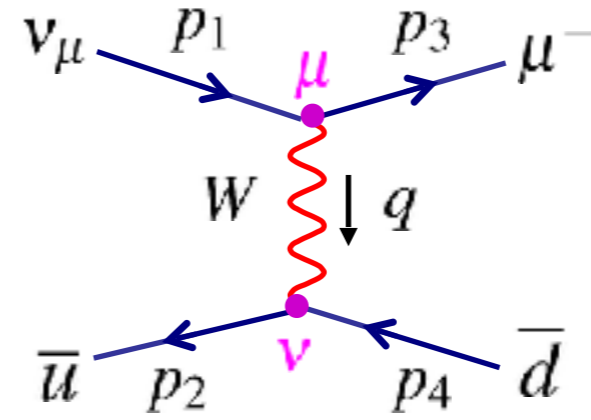
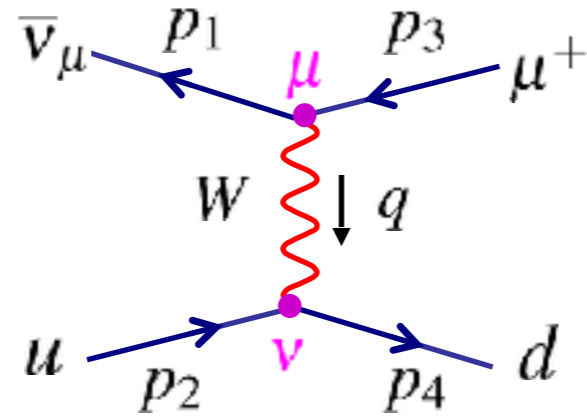
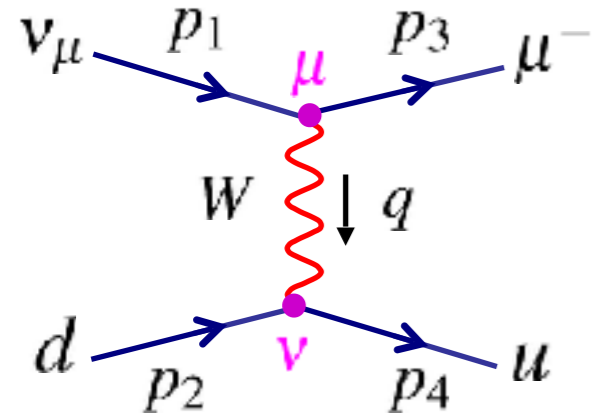


# Neutrino-Quark-Scattering



$$S_z = 0$$

$$\frac{d\sigma_{\nu q}}{d\Omega^*} = \frac{G_F^2}{4\pi^2} \hat{s}$$

$$\sigma_{\nu q} = \frac{G_F^2 \hat{s}}{\pi}$$

$$S_z = +1$$

$$\frac{d\sigma_{\bar{\nu} q}}{d\Omega^*} = \frac{G_F^2}{16\pi^2} (1 + \cos \theta^*)^2 \hat{s}$$

$$\sigma_{\bar{\nu} q} = \frac{G_F^2 \hat{s}}{3\pi}$$

$$S_z = -1$$

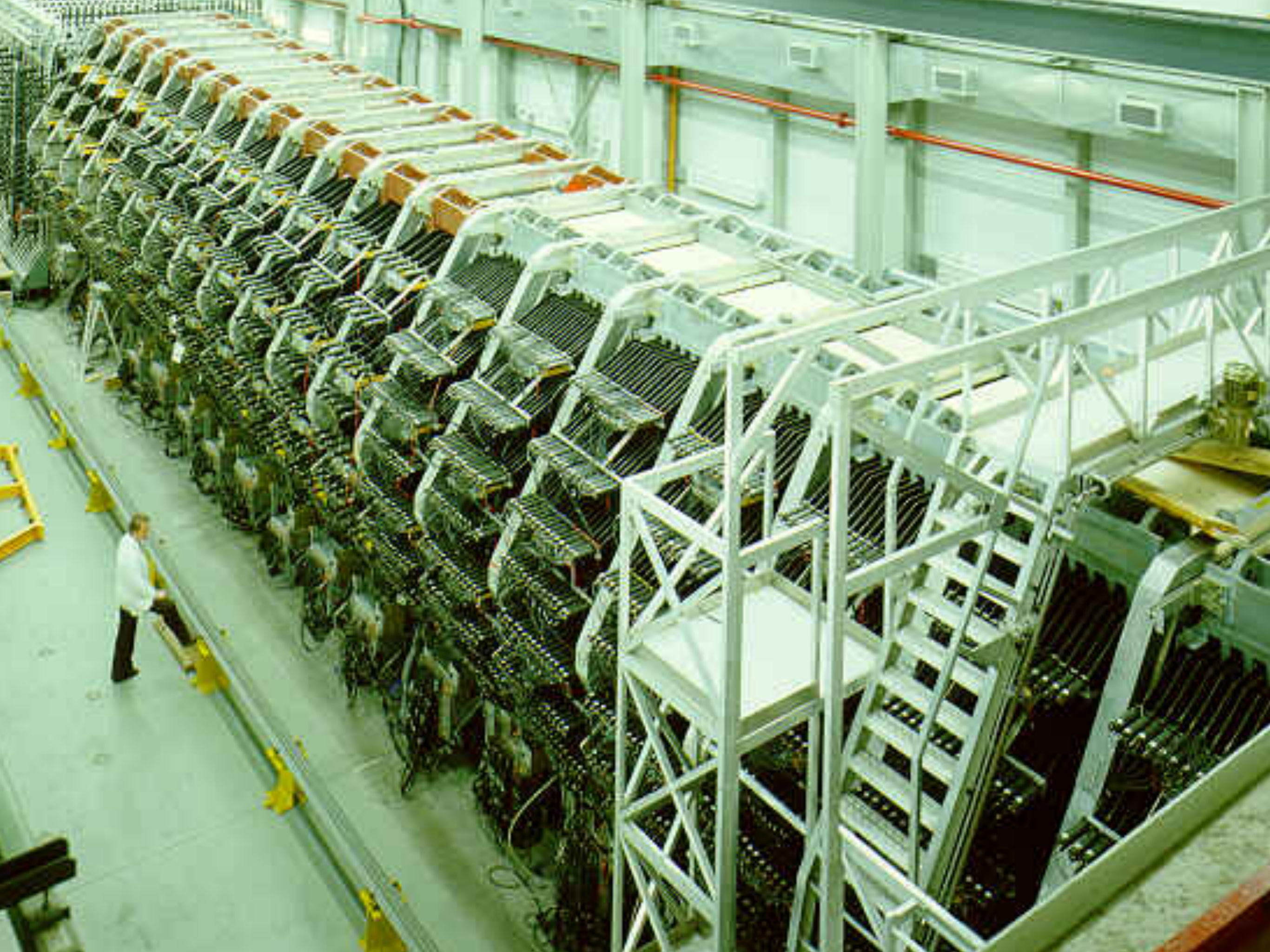
$$\frac{d\sigma_{\nu \bar{q}}}{d\Omega^*} = \frac{G_F^2}{16\pi^2} (1 + \cos \theta^*)^2 \hat{s}$$

$$\sigma_{\nu \bar{q}} = \frac{G_F^2 \hat{s}}{3\pi}$$

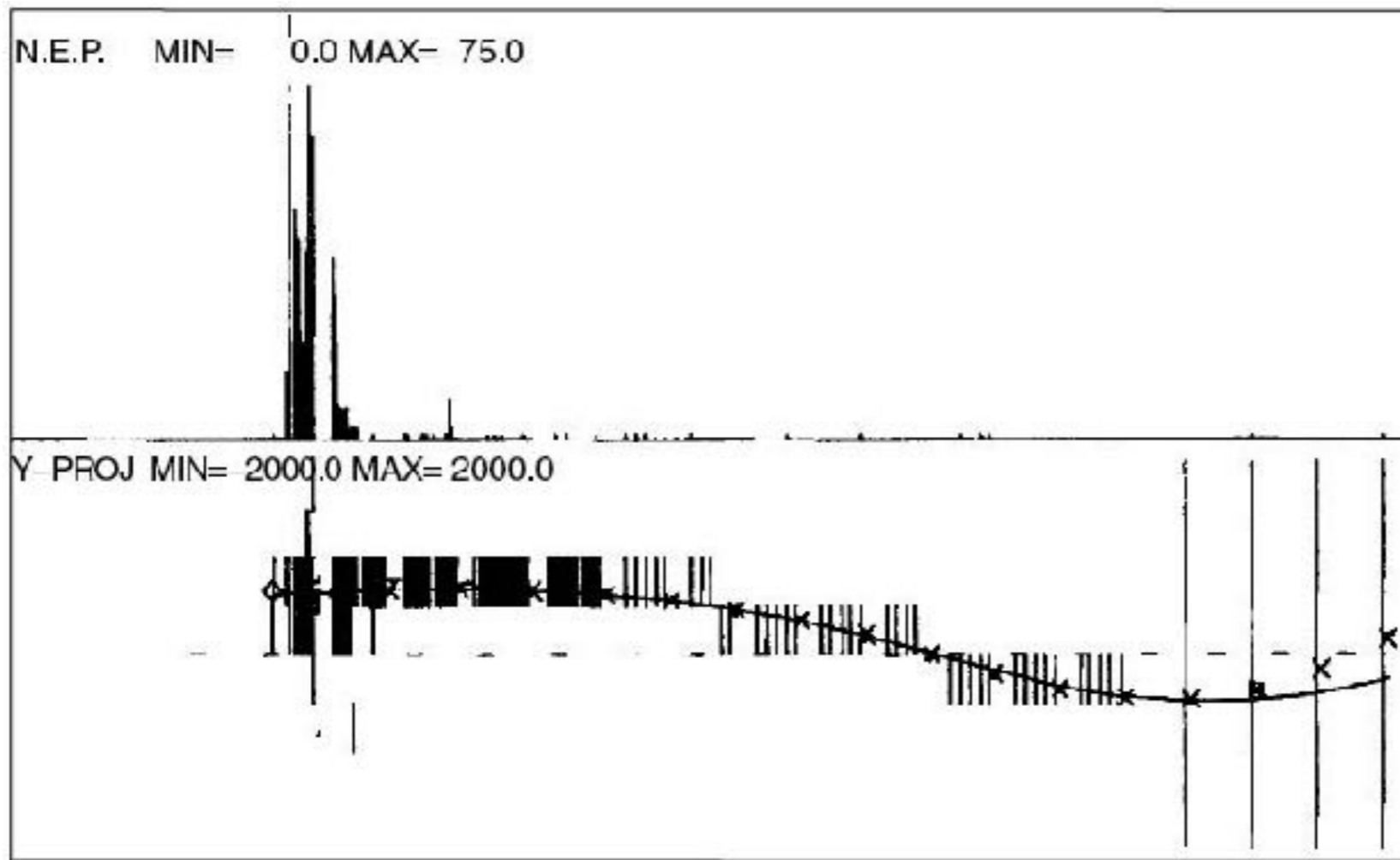
$$S_z = 0$$

$$\frac{d\sigma_{\bar{\nu} \bar{q}}}{d\Omega^*} = \frac{G_F^2}{4\pi^2} \hat{s}$$

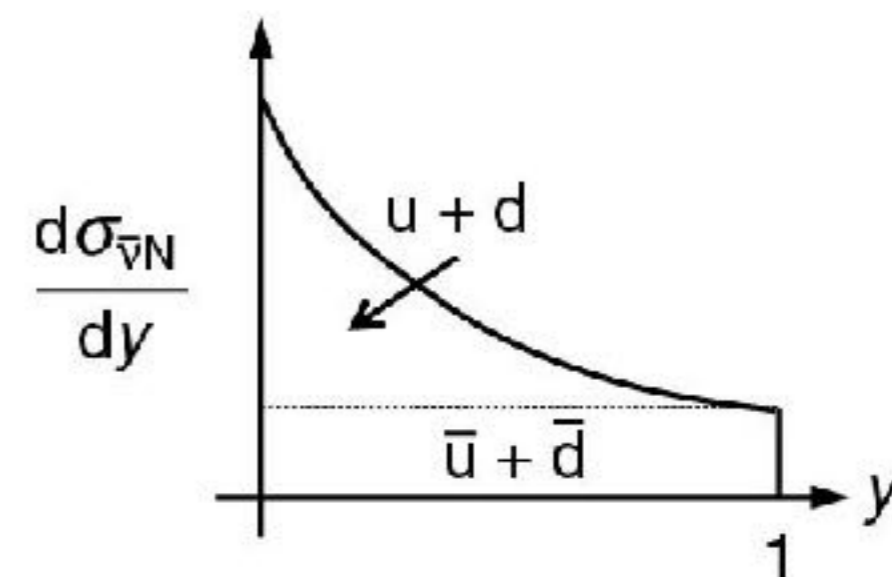
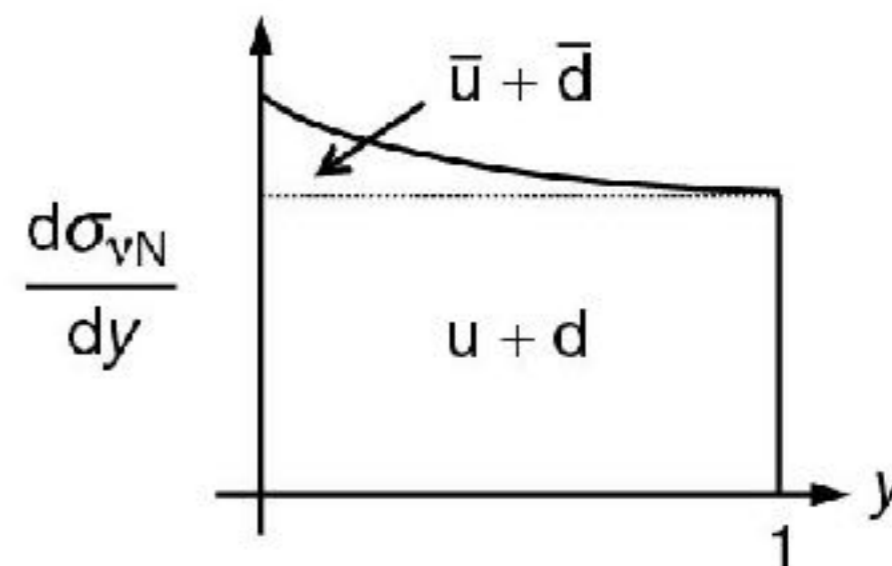
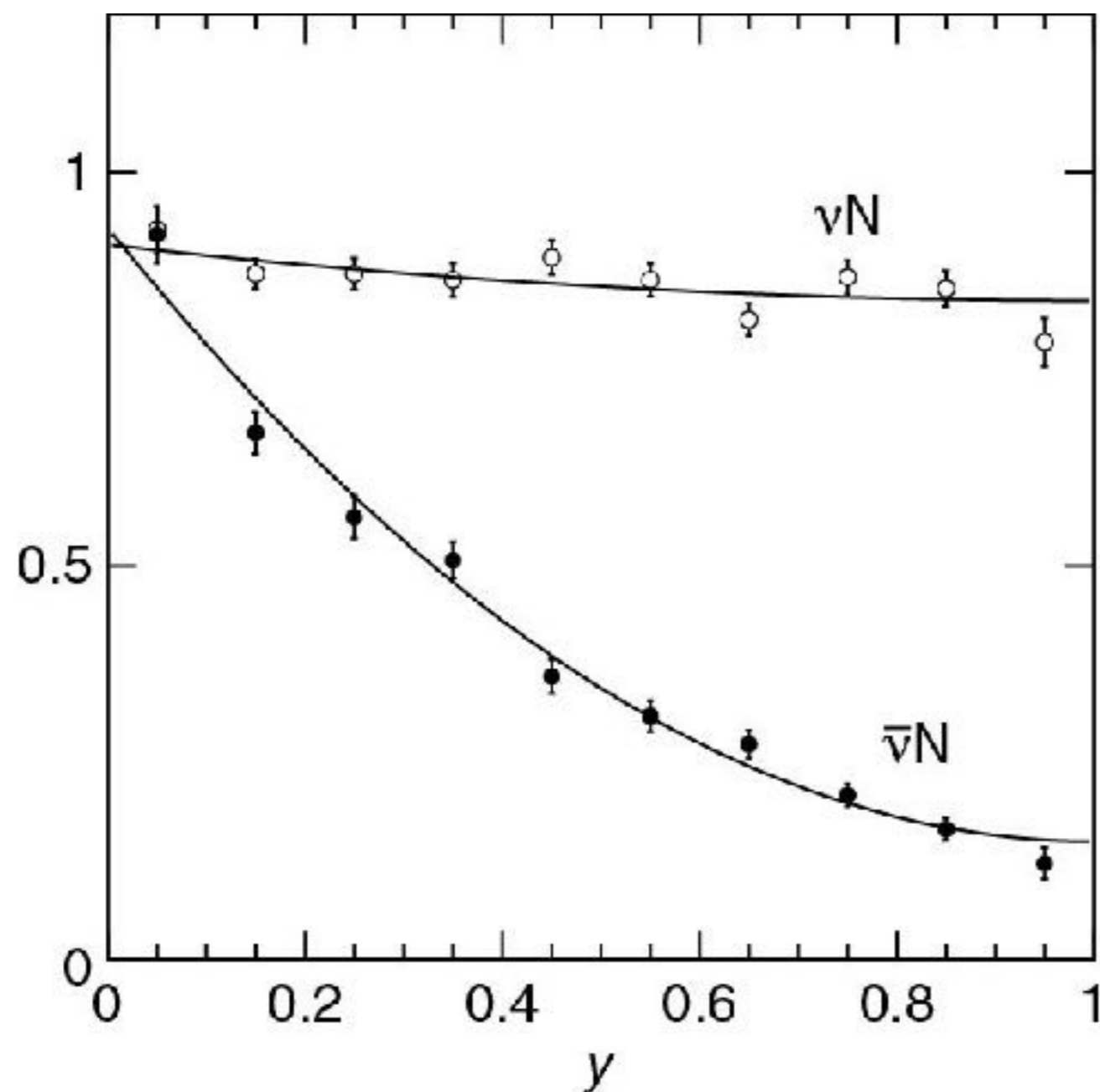
$$\sigma_{\bar{\nu} \bar{q}} = \frac{G_F^2 \hat{s}}{\pi}$$



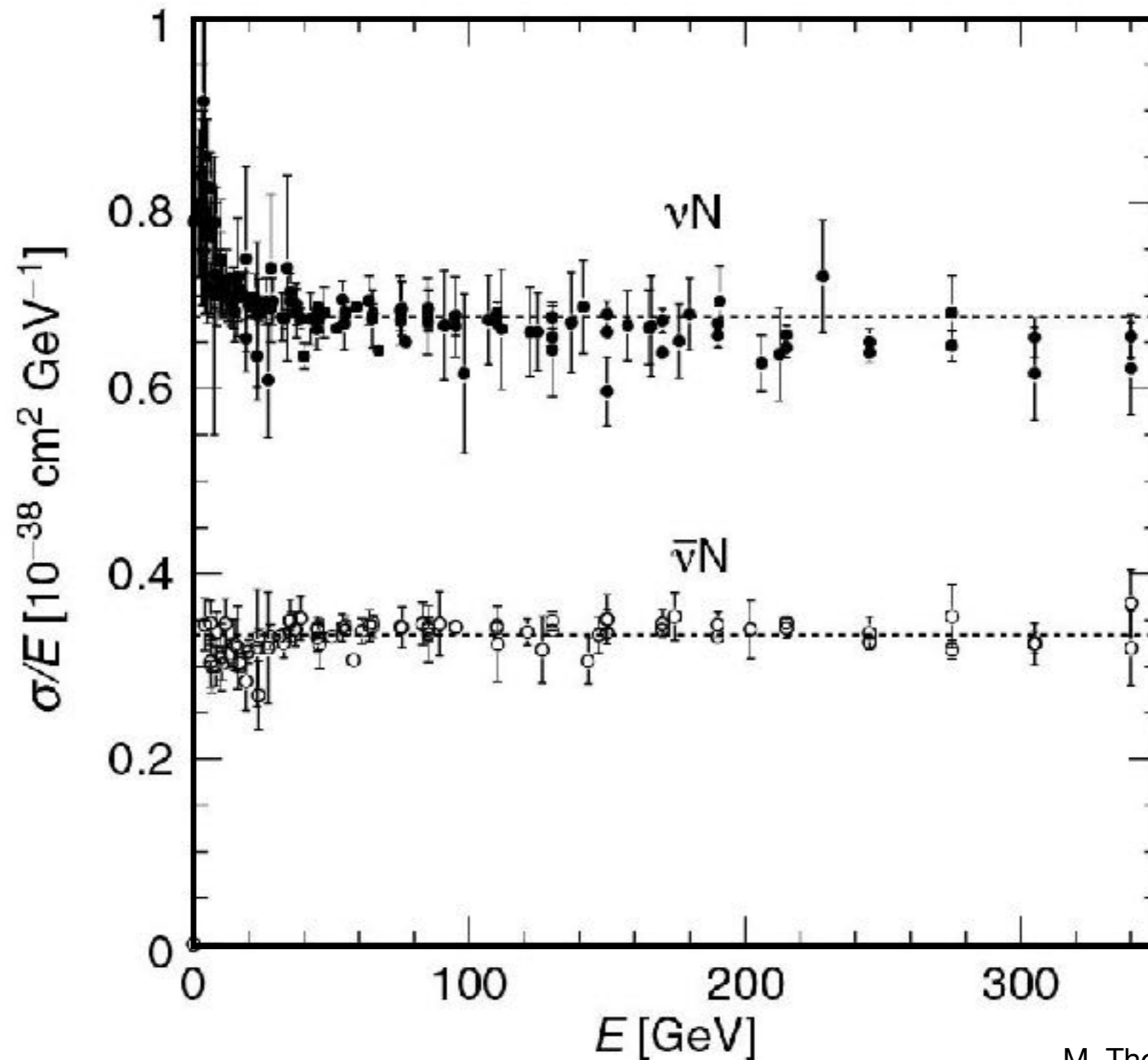
# Deep-Inelastic Neutrino Interaction in CDHS



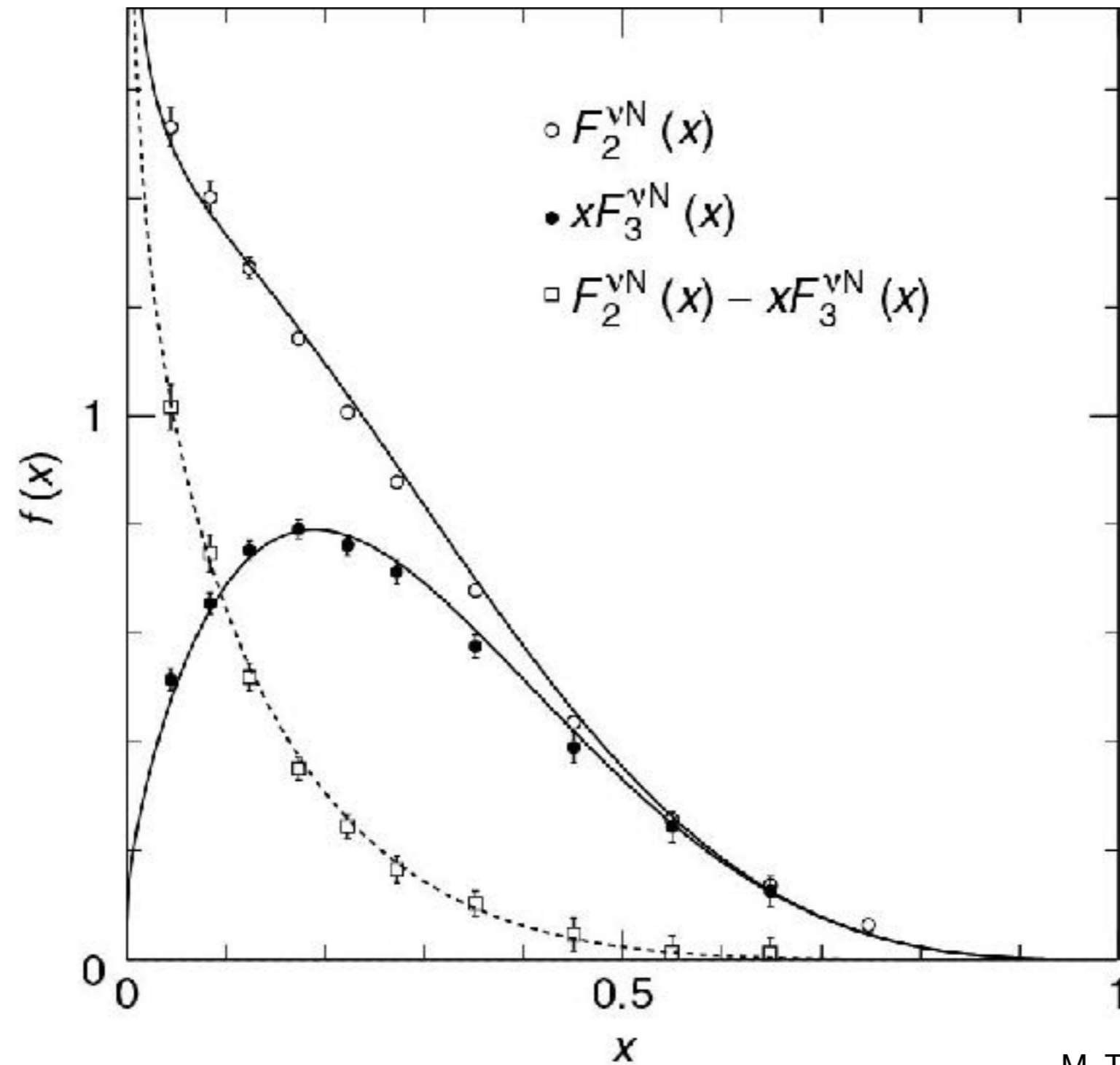
# Neutrino-Nucleon Differential Cross Section



# Neutrino-Nukleon Total Cross Section



# $\nu$ N-Structure Functions ...



# Differential CC and NC Cross Section

