$$m_{\text{corr}} = \sqrt{m^2(D^0\mu^-) + p_{\perp}(D^0\mu^-)^2} + p_{\perp}(D^0\mu^-)$$

$$\mu^- \qquad \qquad K^+$$

$$K^+ \qquad \qquad K^-$$

$$D^0 \qquad \qquad \nu_{\mu}$$

$$\text{primary}$$

$$\text{vertex}$$

$$\text{IP}(\mu) \neq 0$$