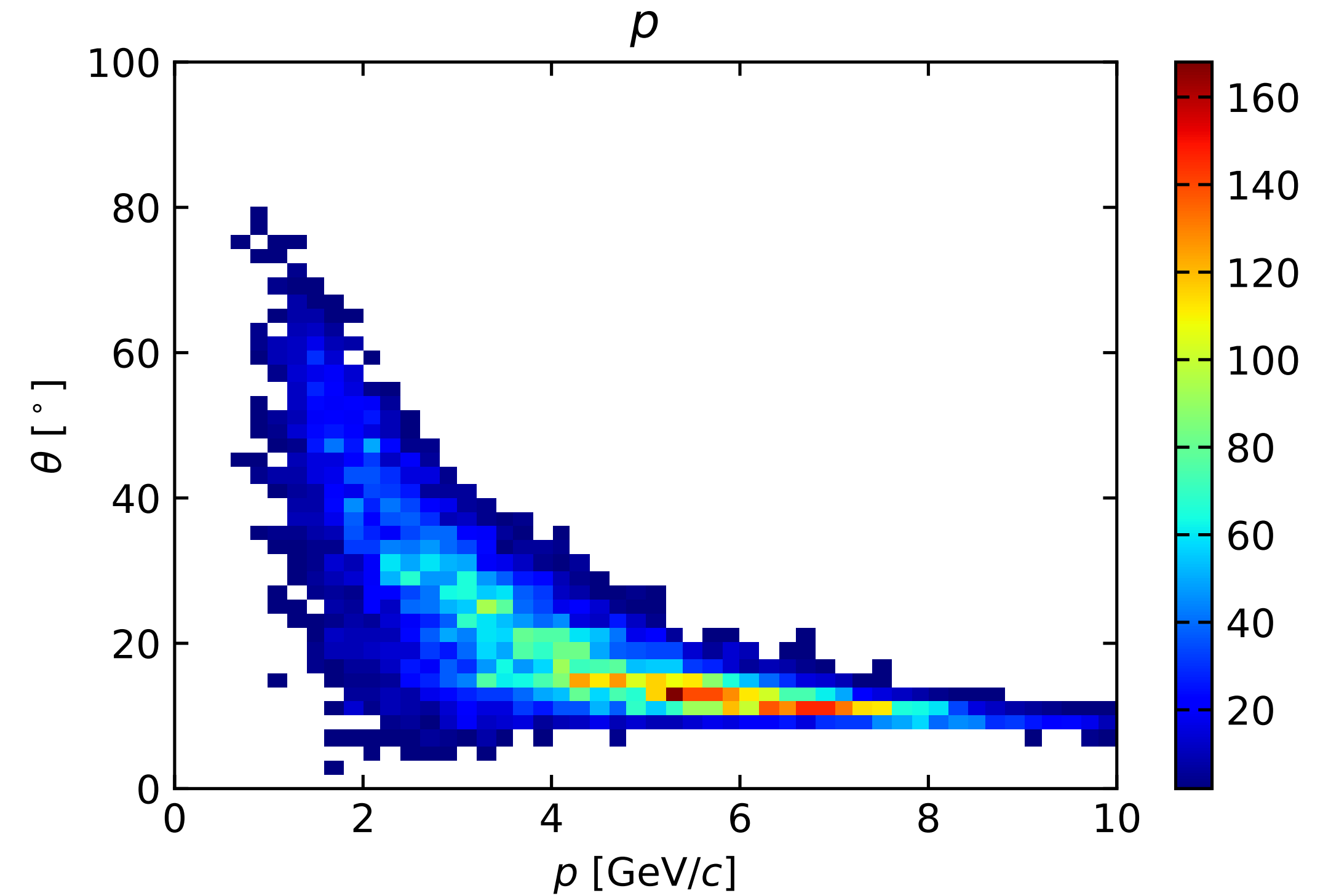
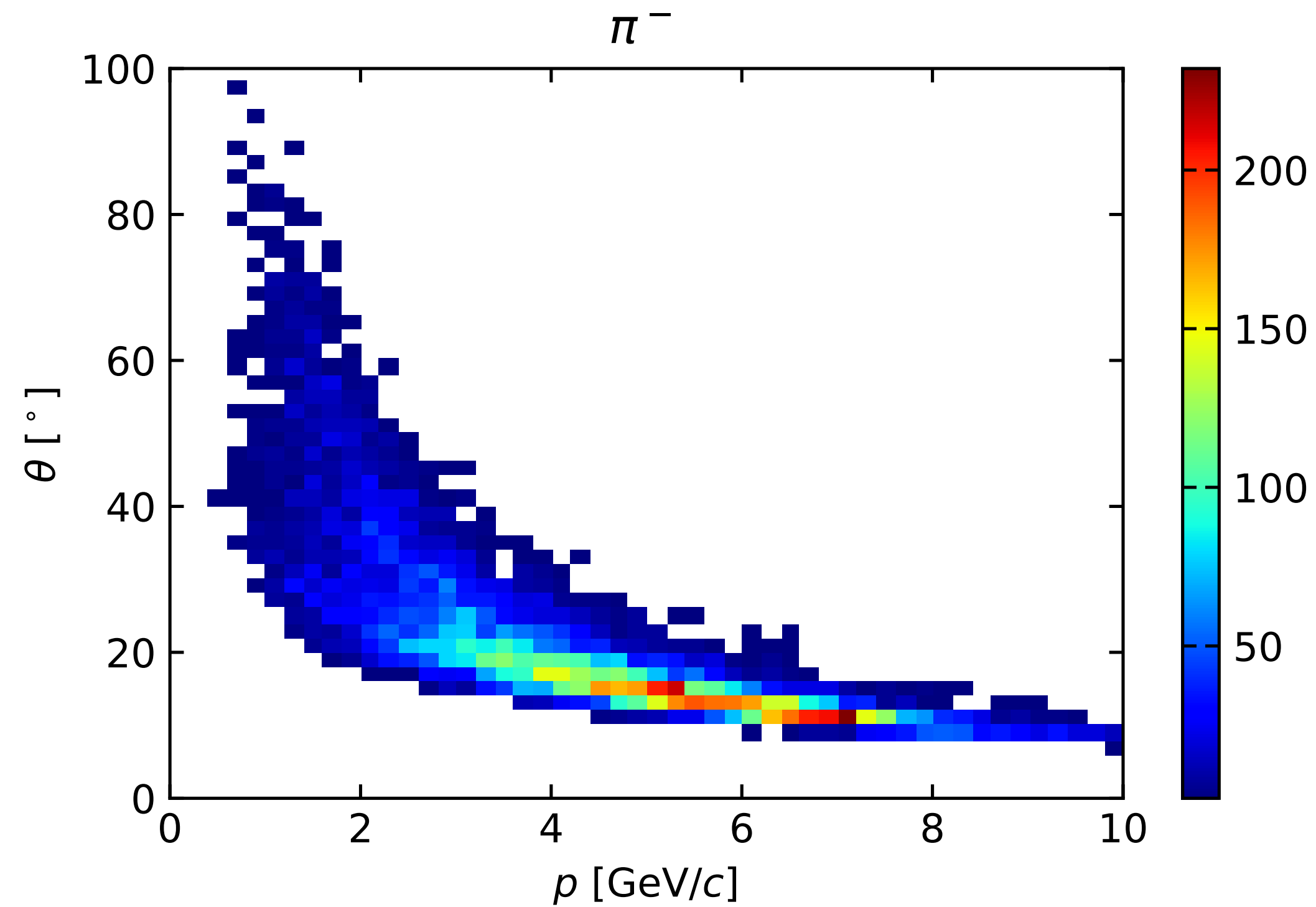
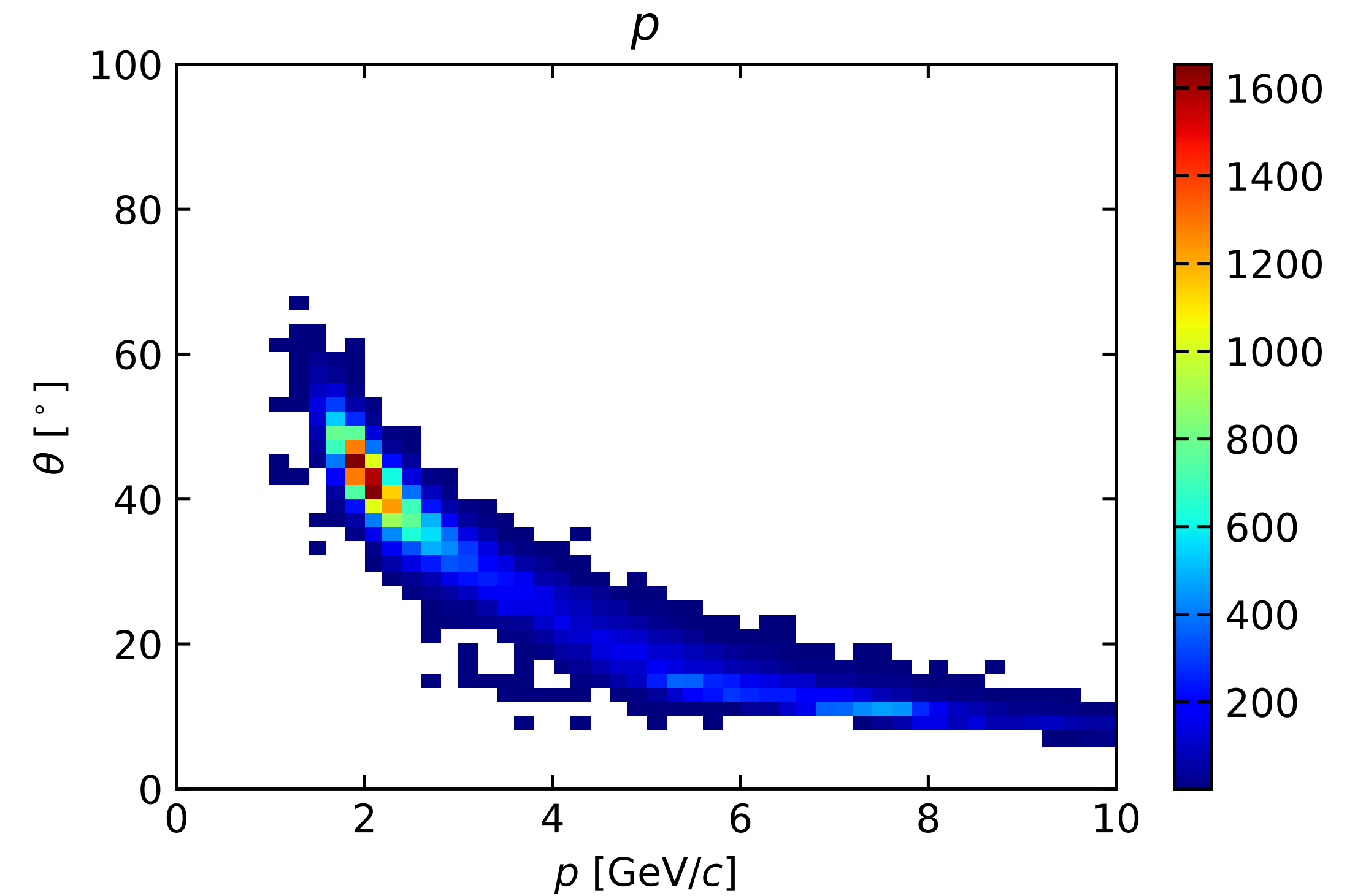
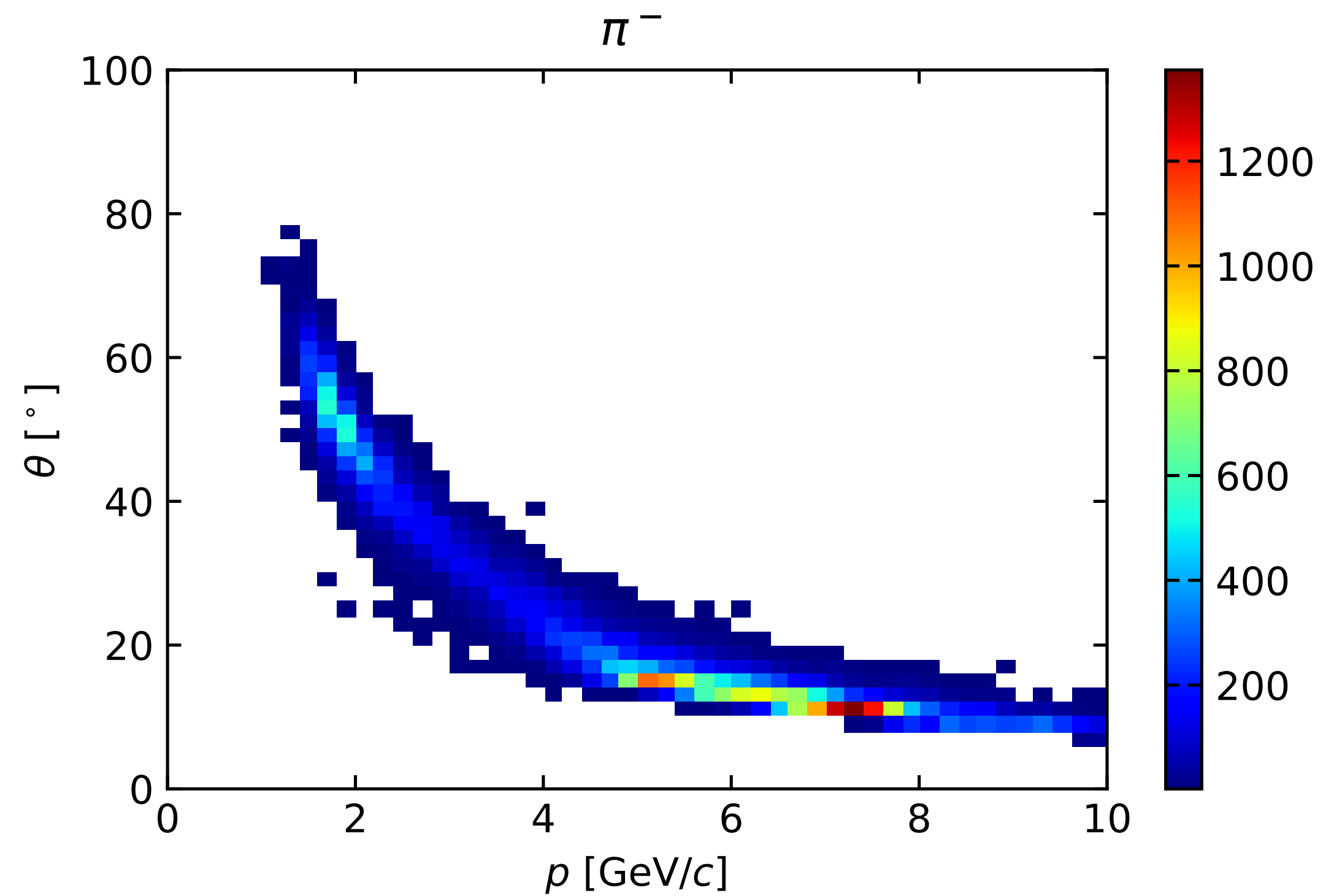


GlueX SRC-MF Separation Study

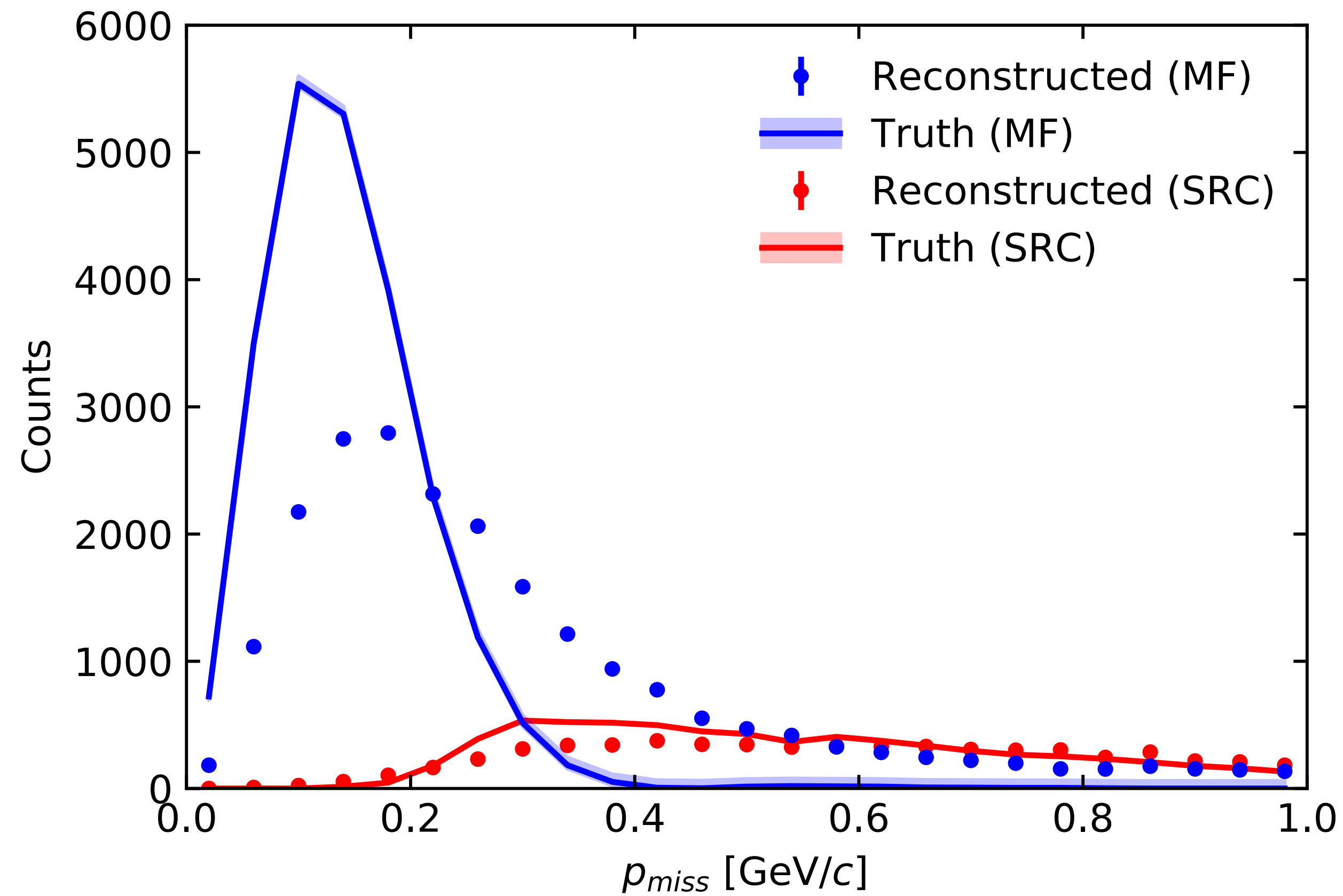
SRC Kinematics



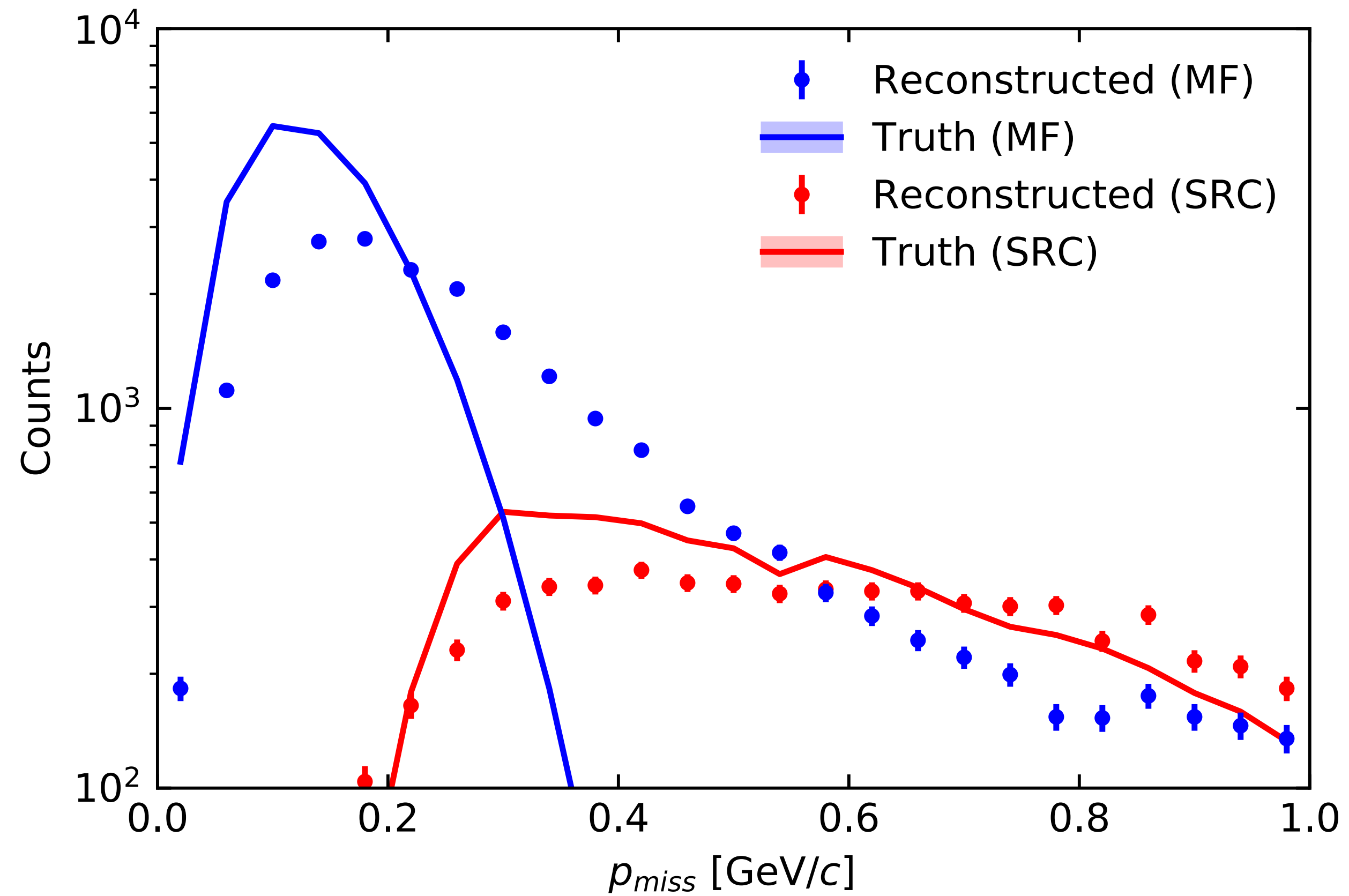
Mean-Field Kinematics



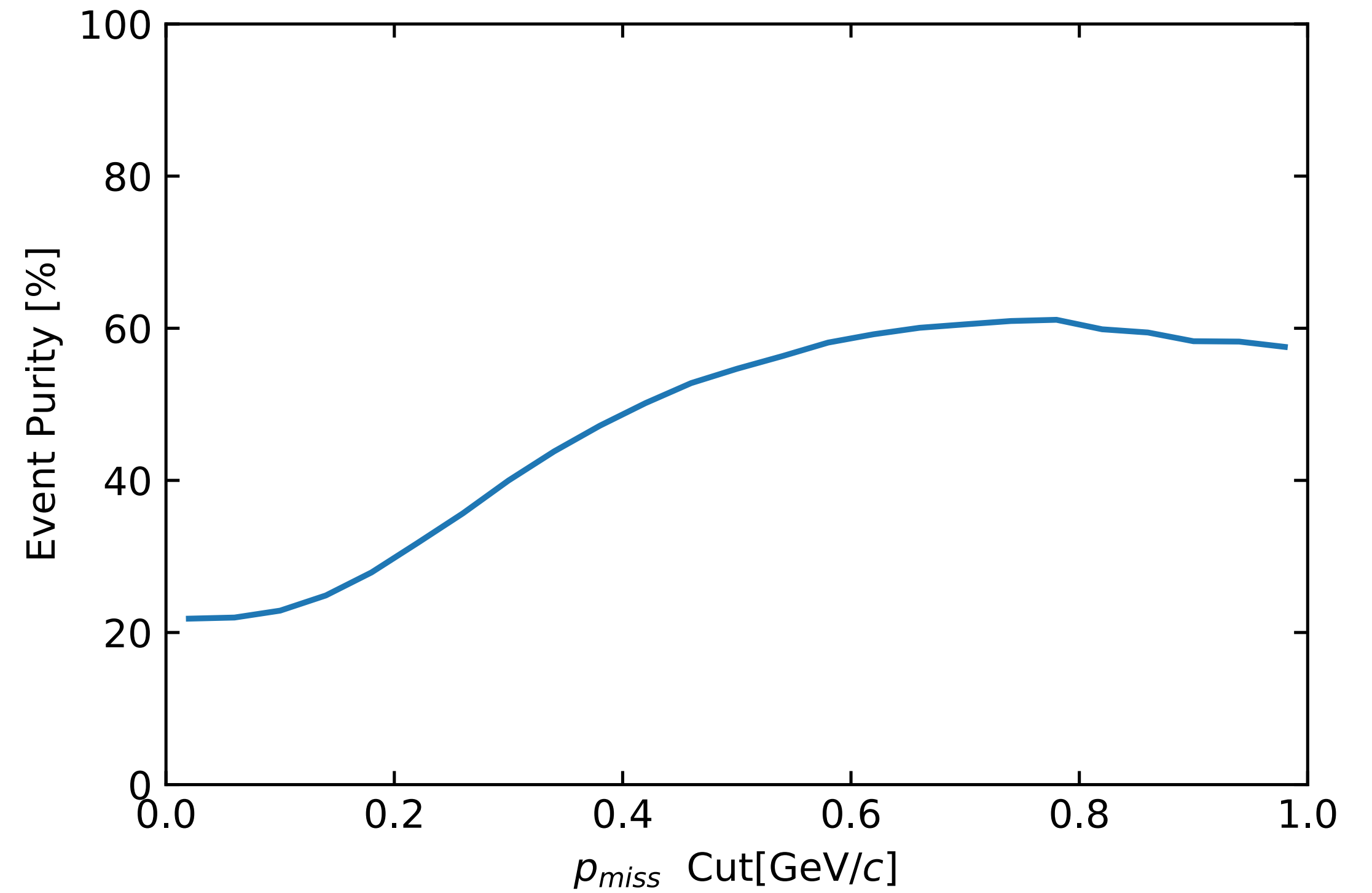
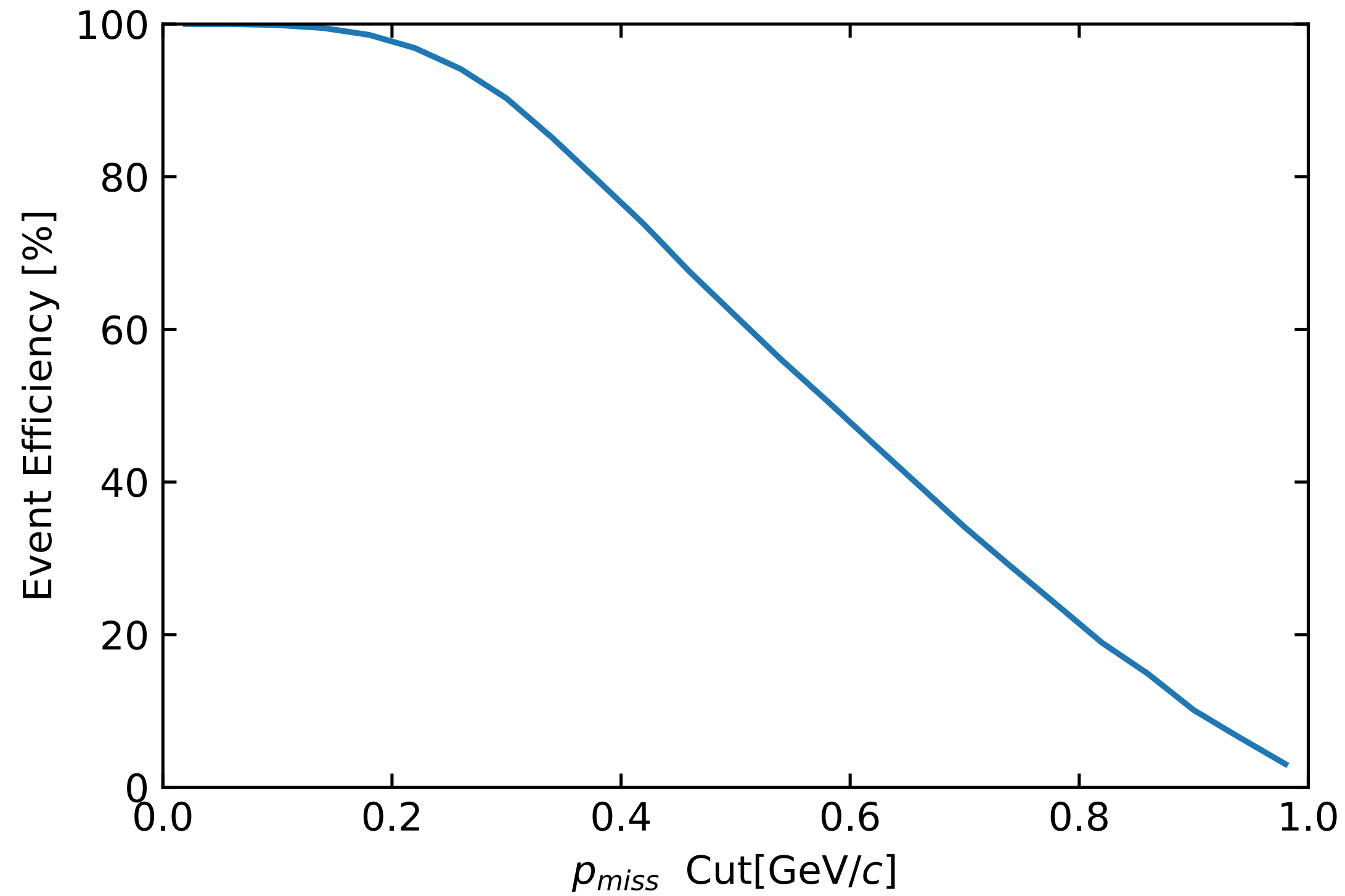
Missing Momentum Bin Migration



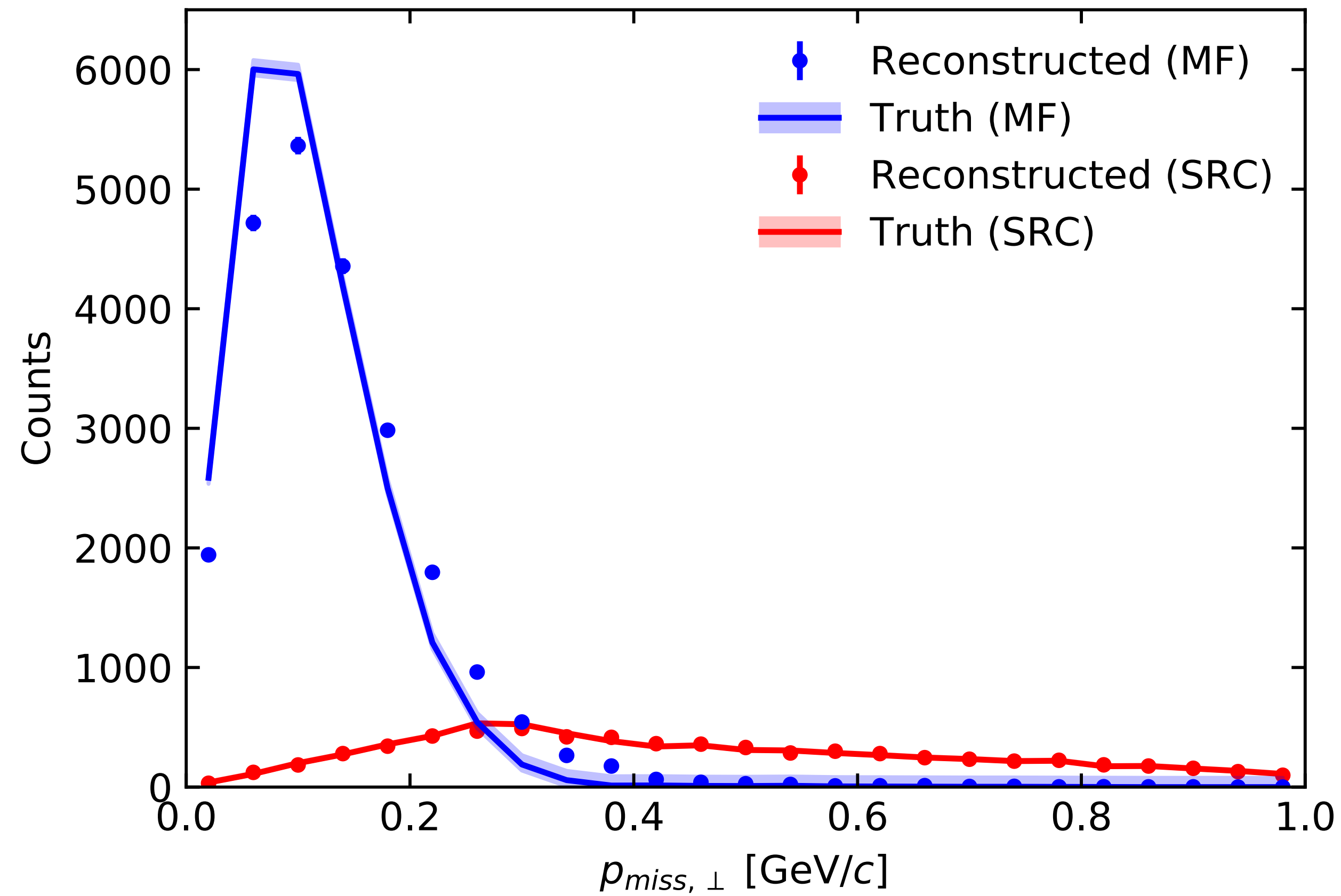
Missing Momentum Bin Migration



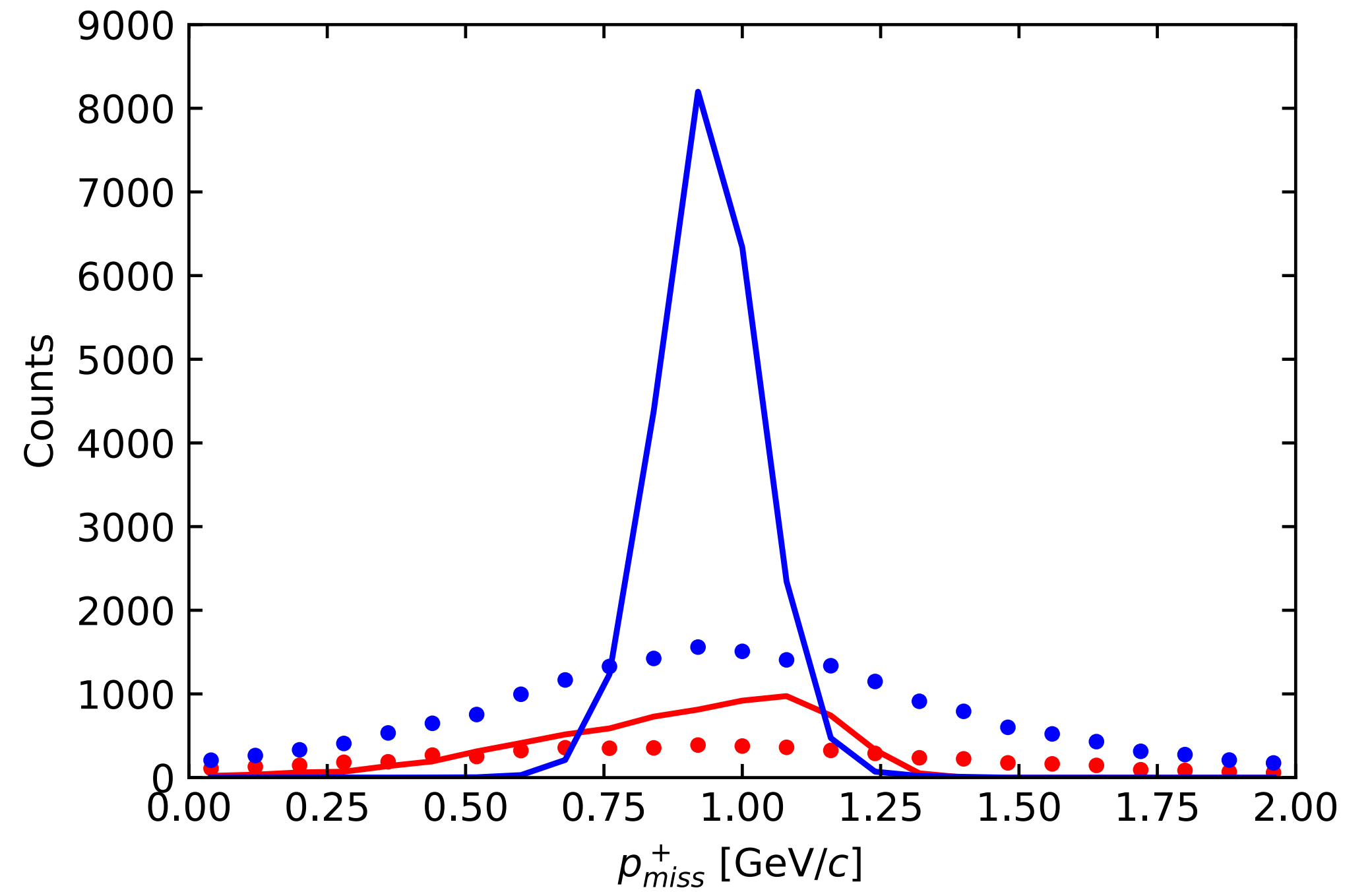
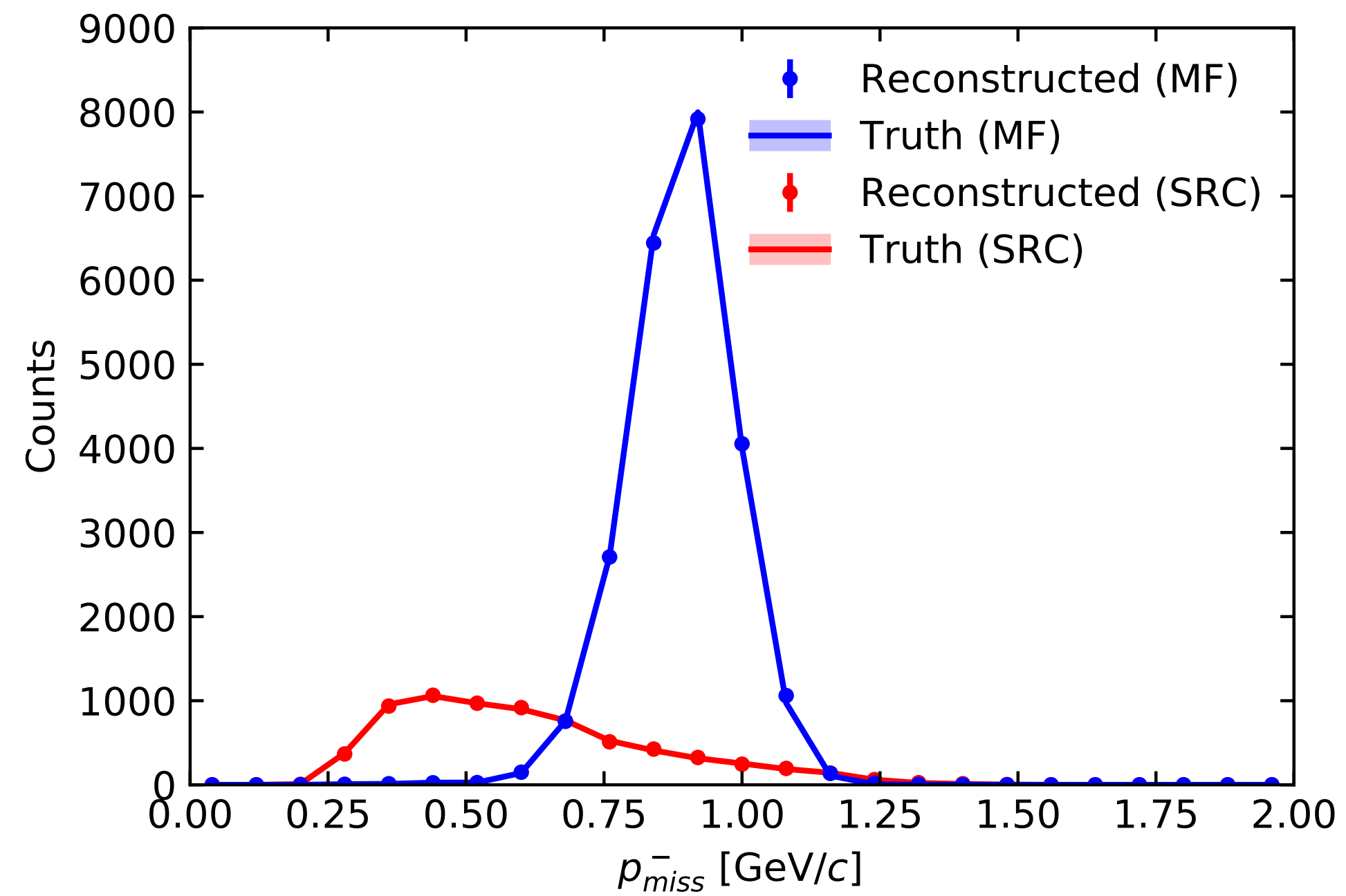
Missing Momentum Cut Effects



Transverse Missing Momentum Well-Reconstructed



Transverse Missing Plus and Minus Momentum?



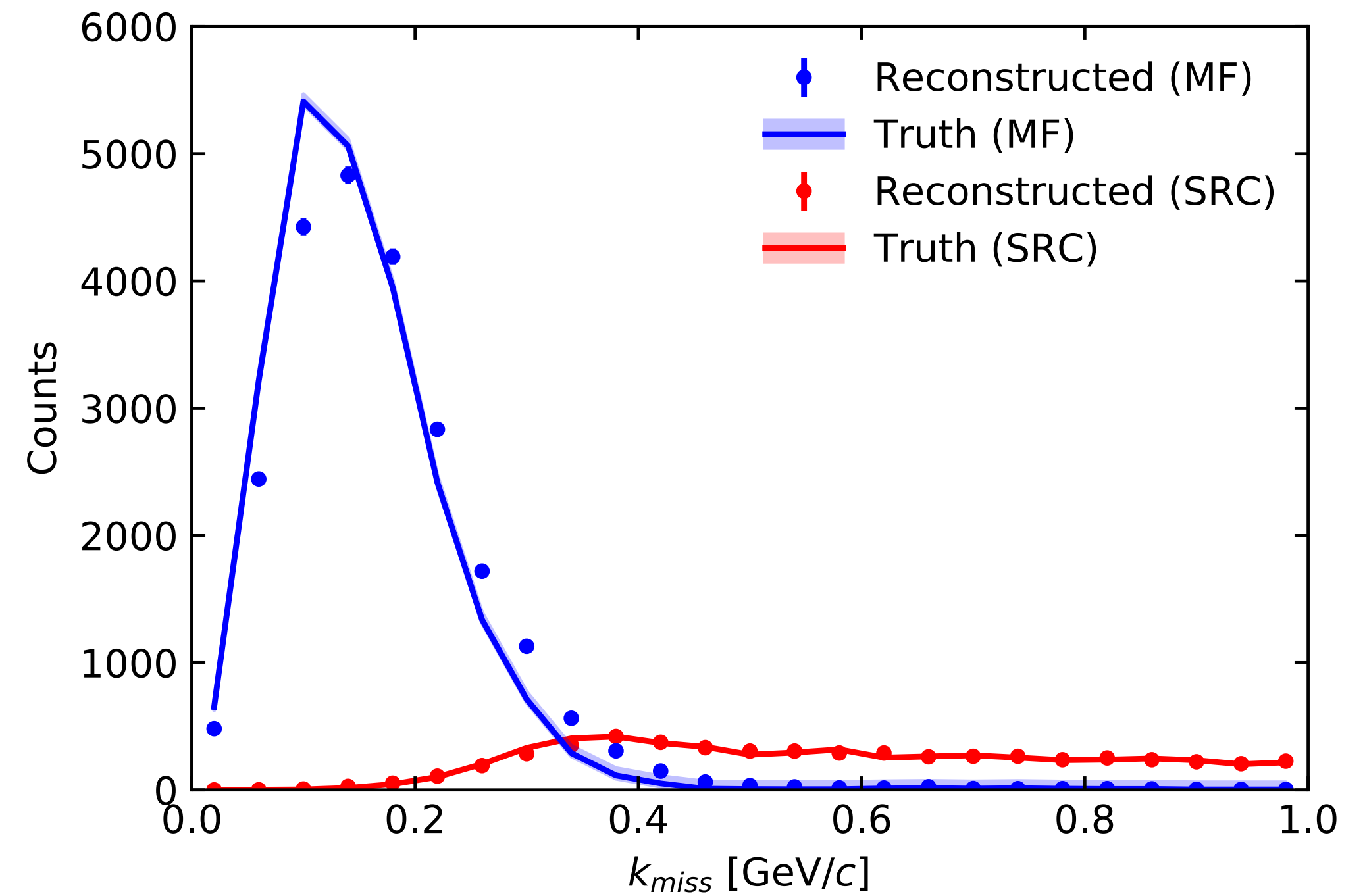
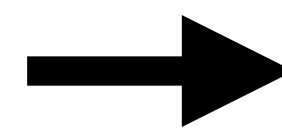
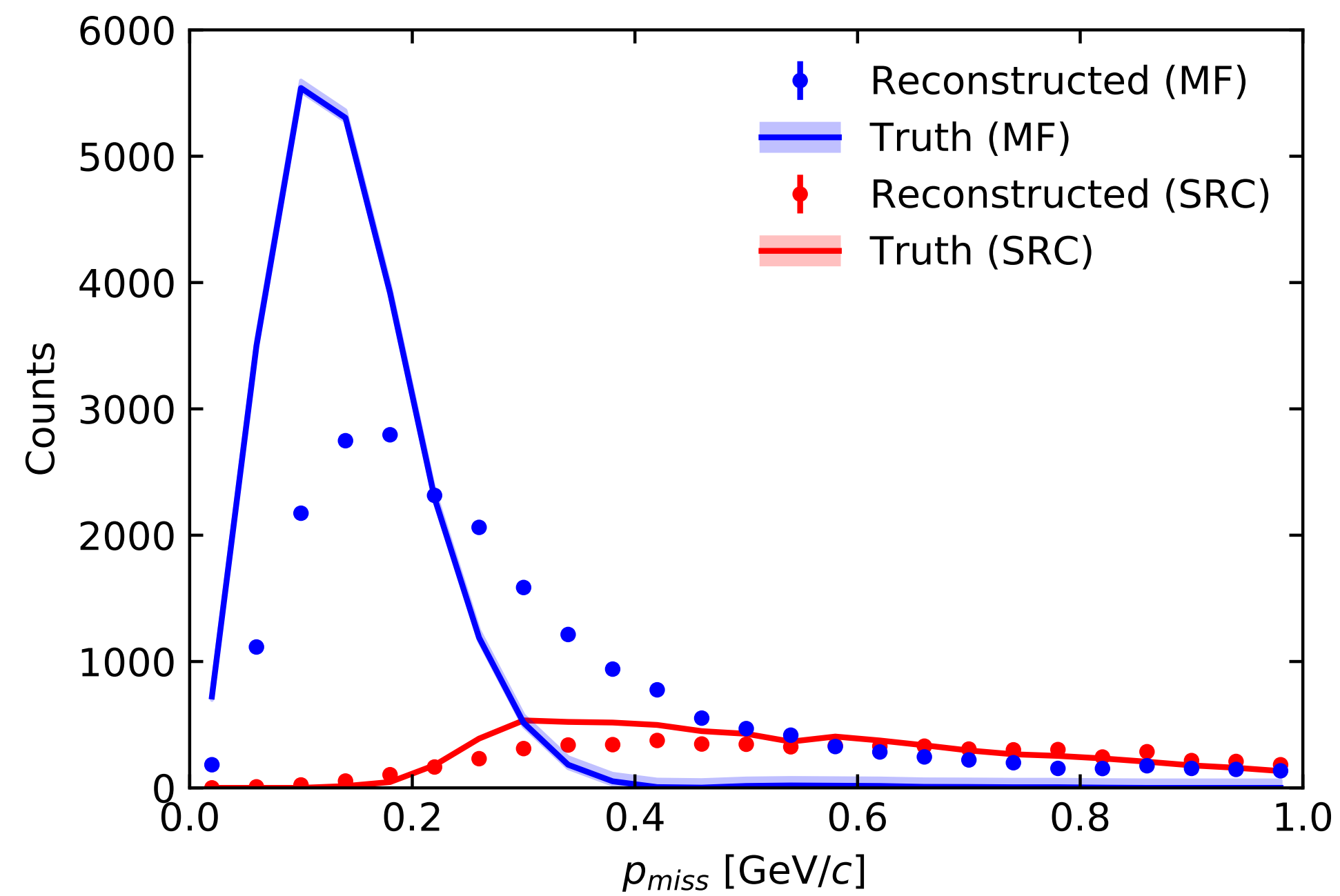
Proxy Missing Momentum Candidate

Calculate light-front SRC “internal momentum” assuming a standing pair:

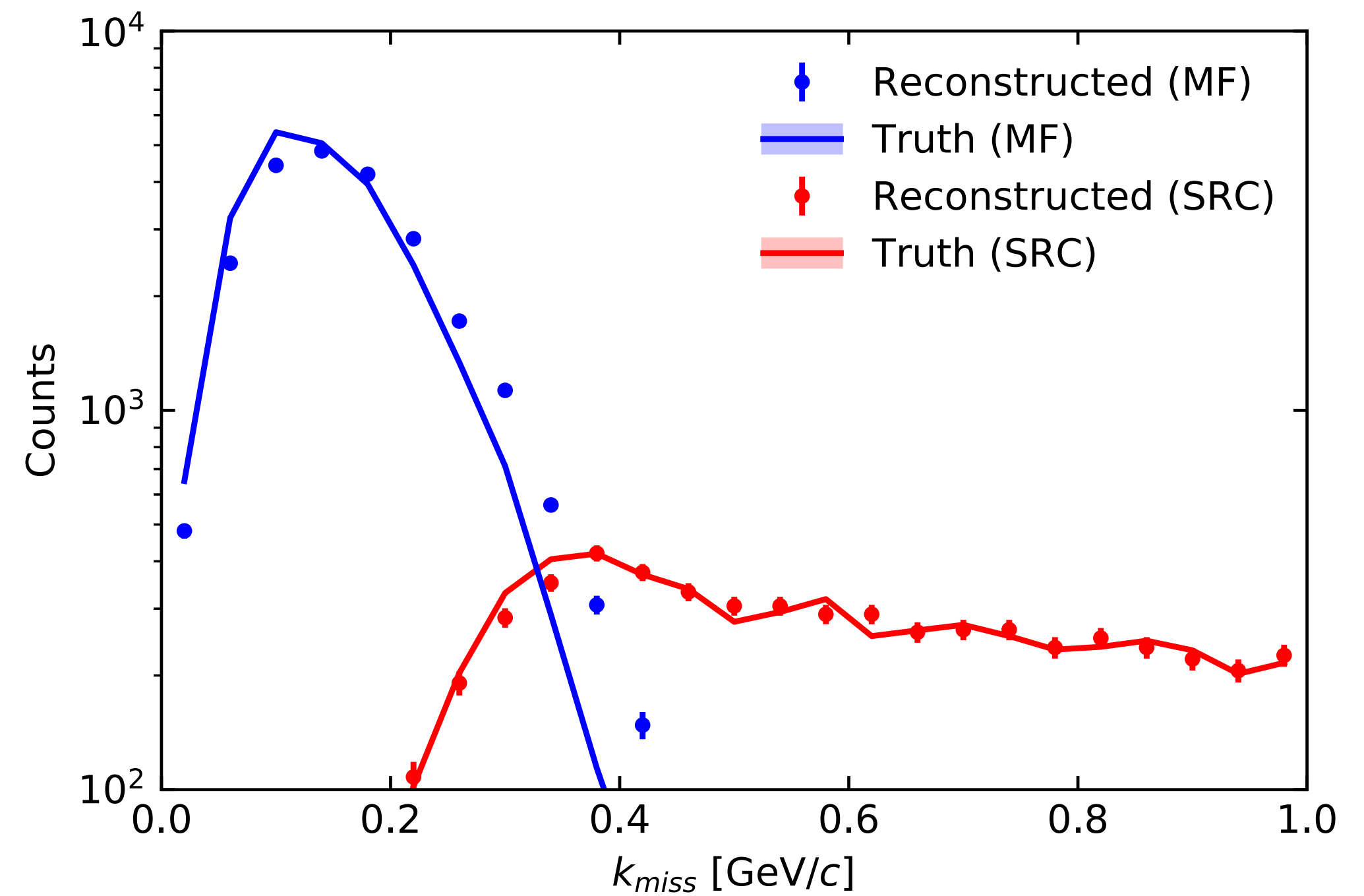
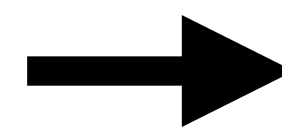
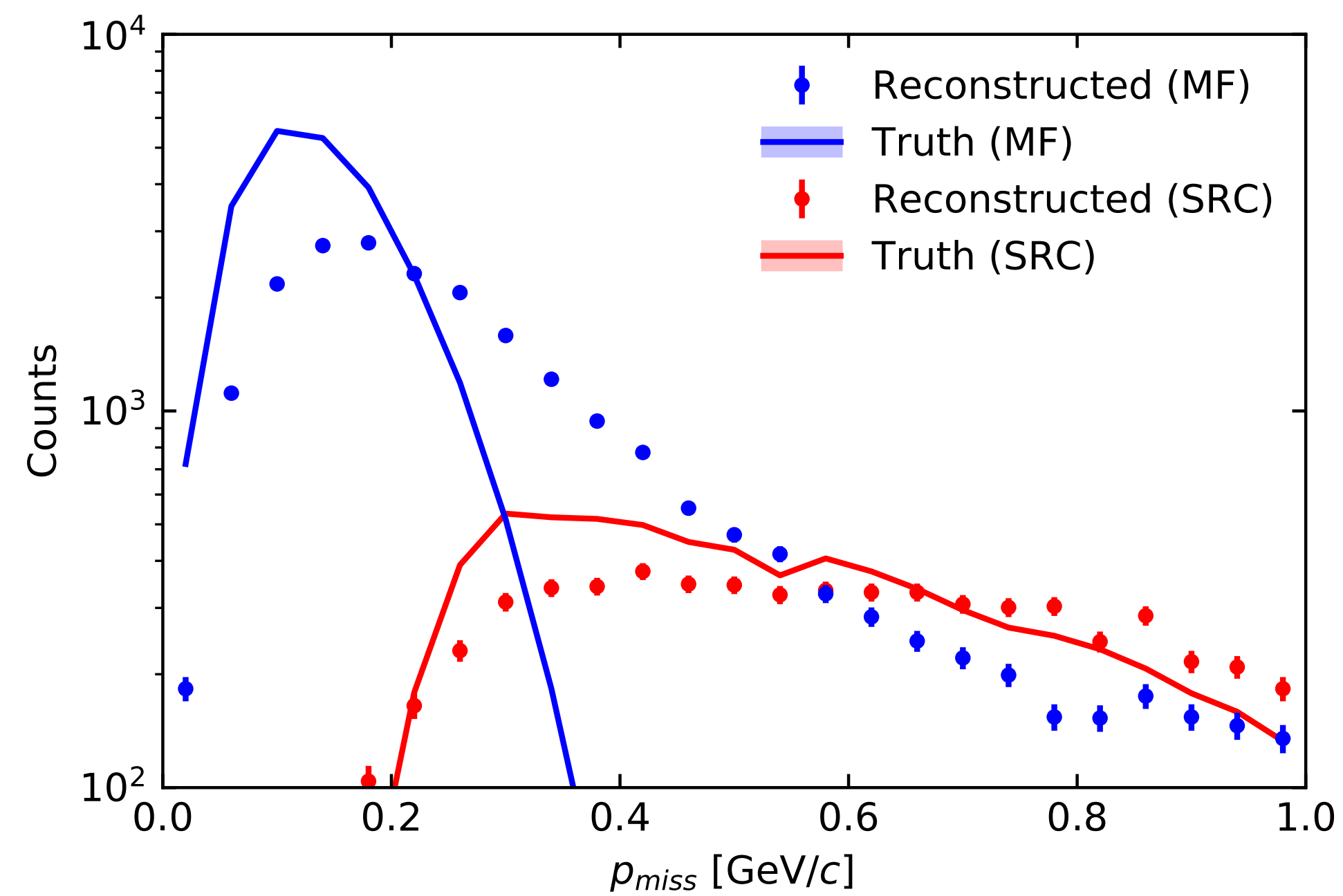
$$k^2 + m_N^2 = \frac{p_{rel,\perp}^2 + m_N^2}{\alpha_{rel}(2 - \alpha_{rel})}$$

$$k_{miss} \equiv m_N \sqrt{\frac{p_{miss,\perp}^2 + m_N^2}{p_{miss}^-(2m_N - p_{miss}^-)} - 1}$$

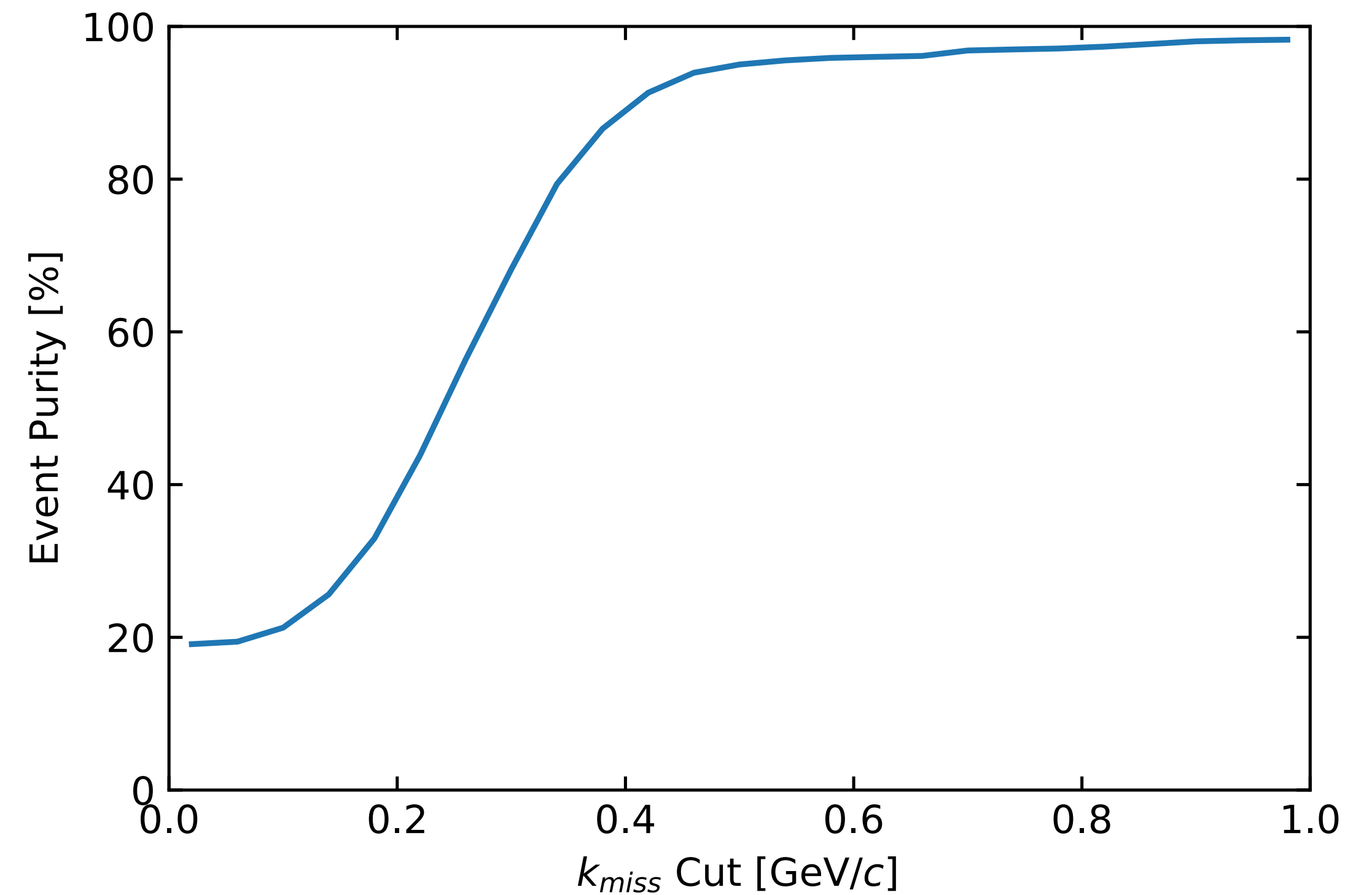
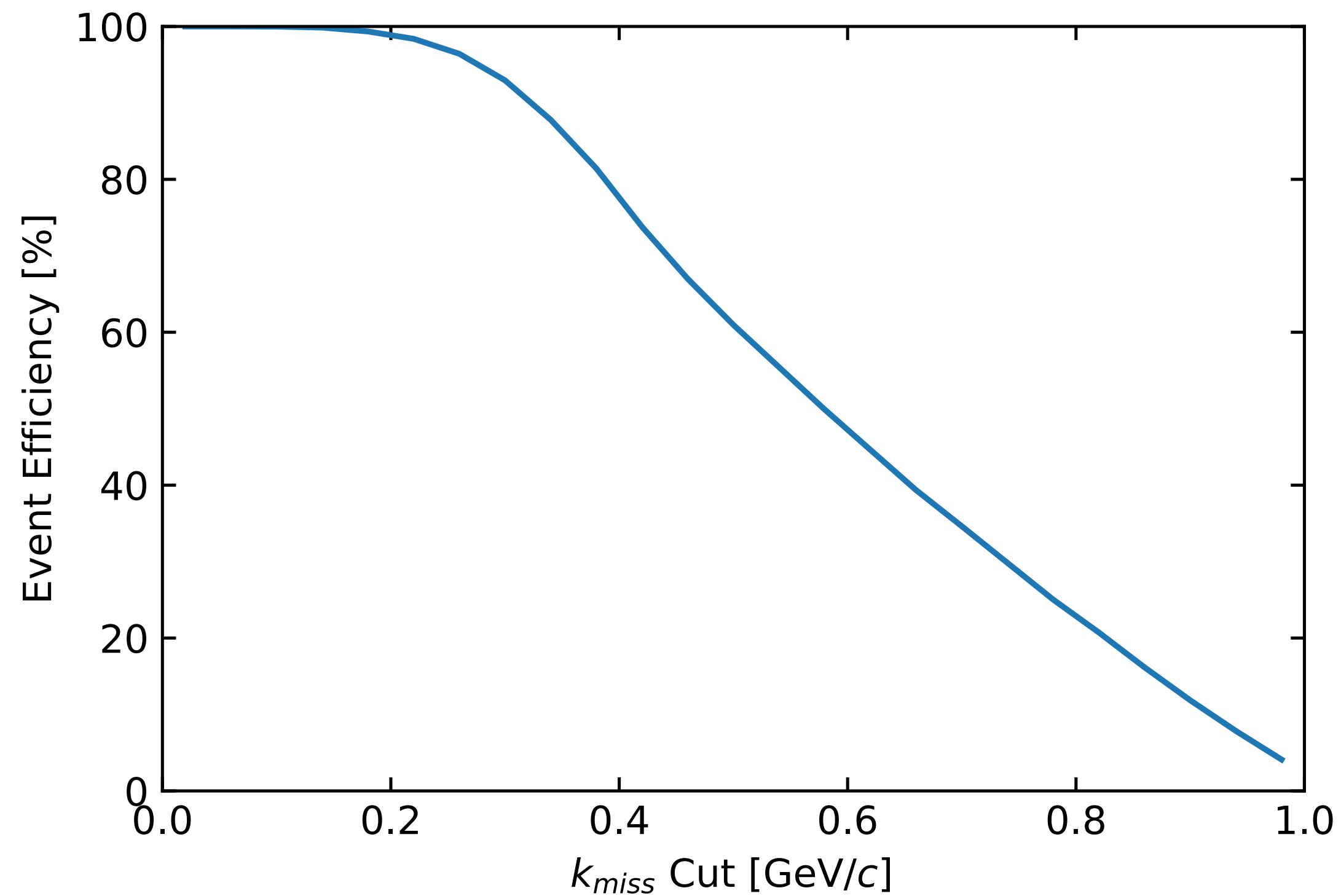
Proxy Missing Momentum Candidate



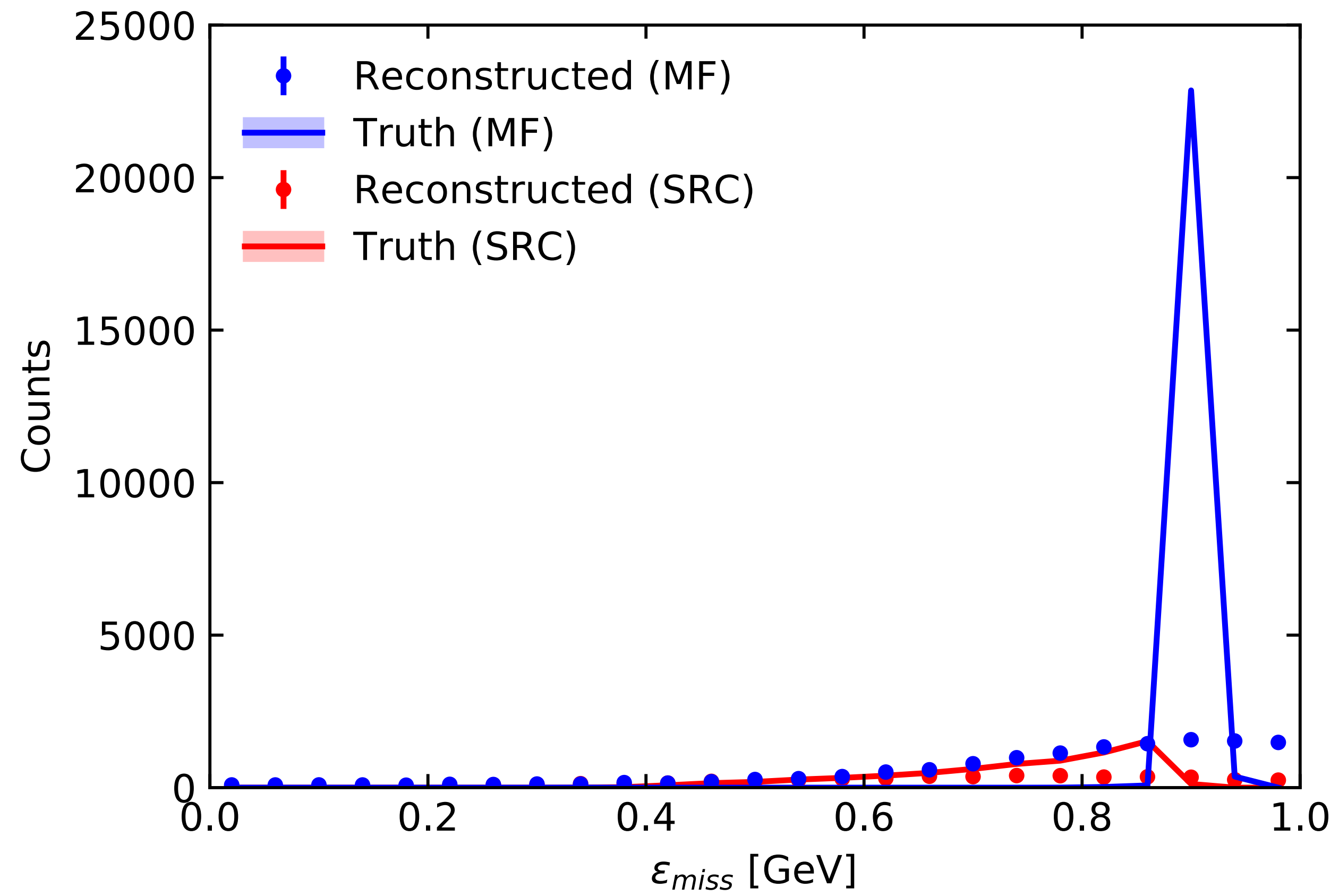
Proxy Missing Momentum Candidate



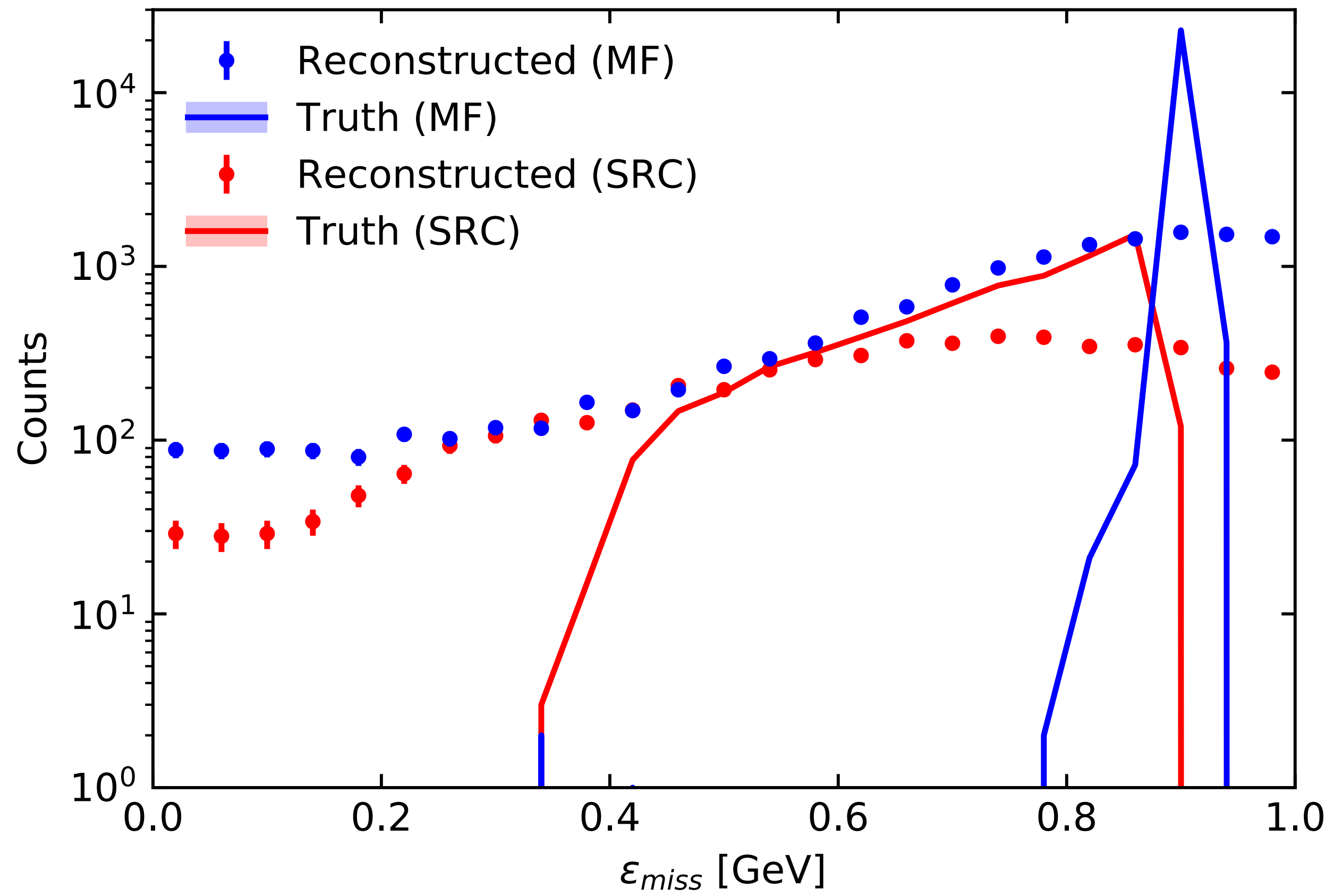
Proxy Missing Momentum Cut Effects



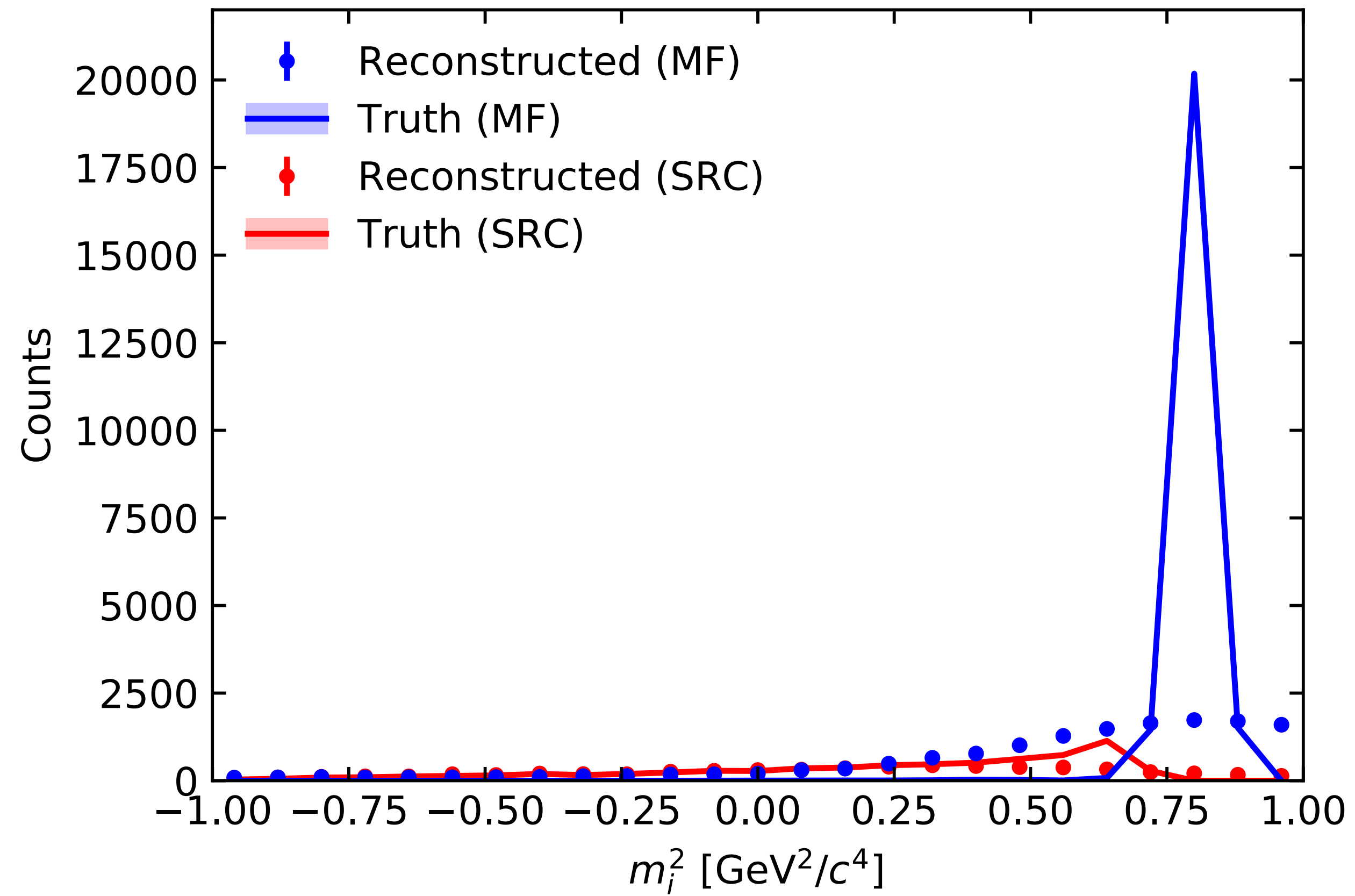
Missing Energy



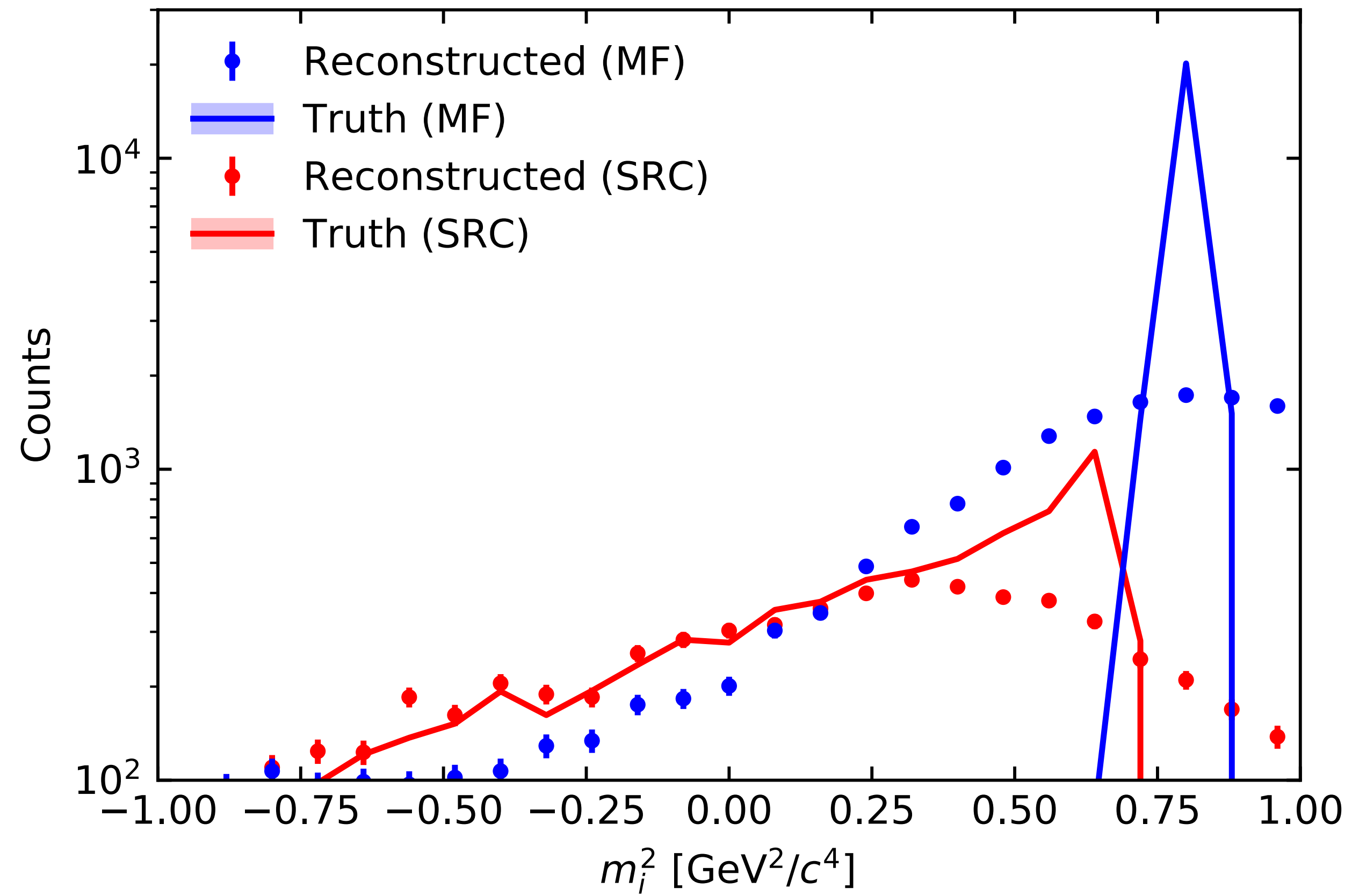
Missing Energy



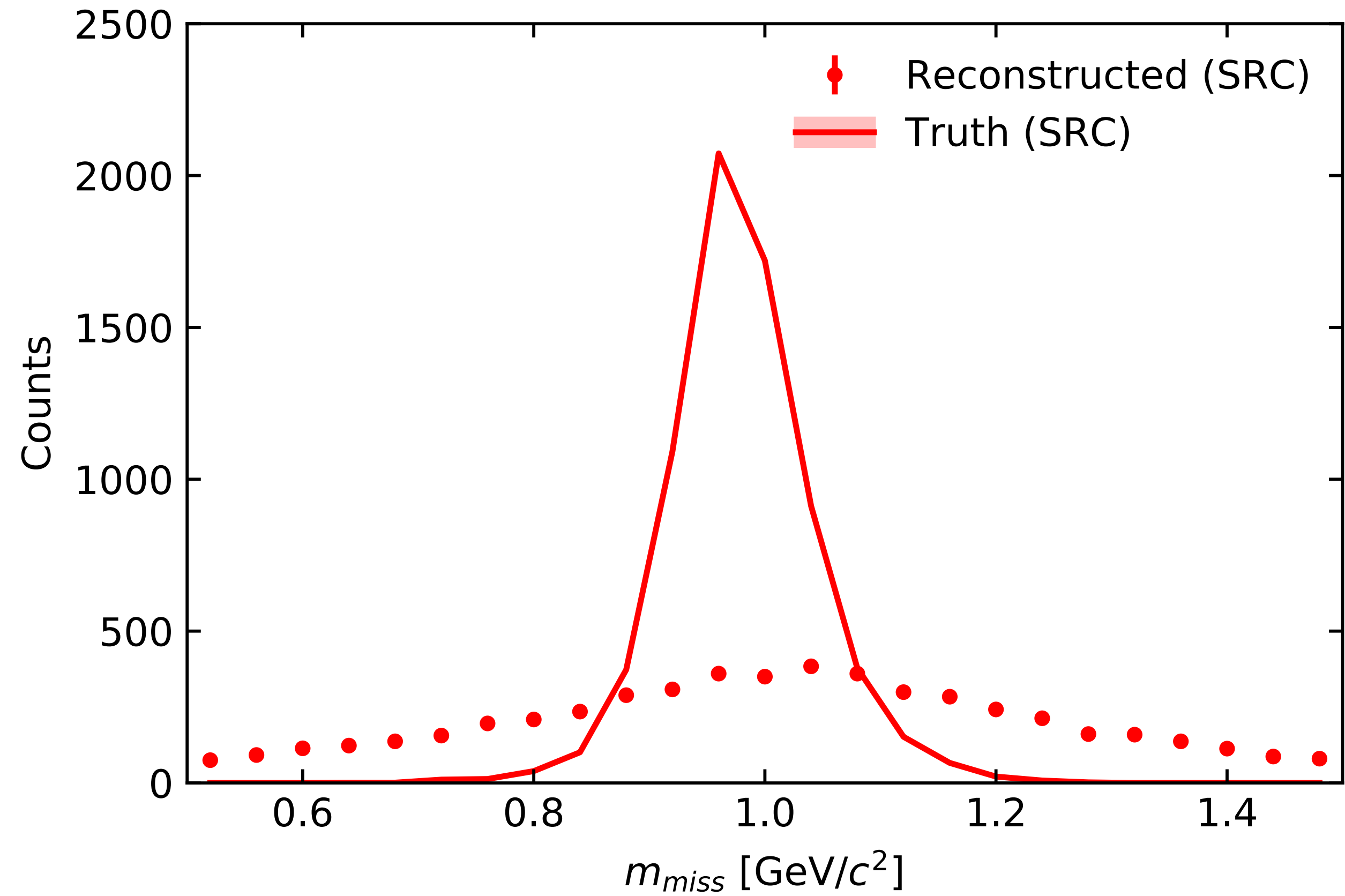
Initial Mass



Initial Mass



SRC Missing Mass



SRC Missing Mass

