

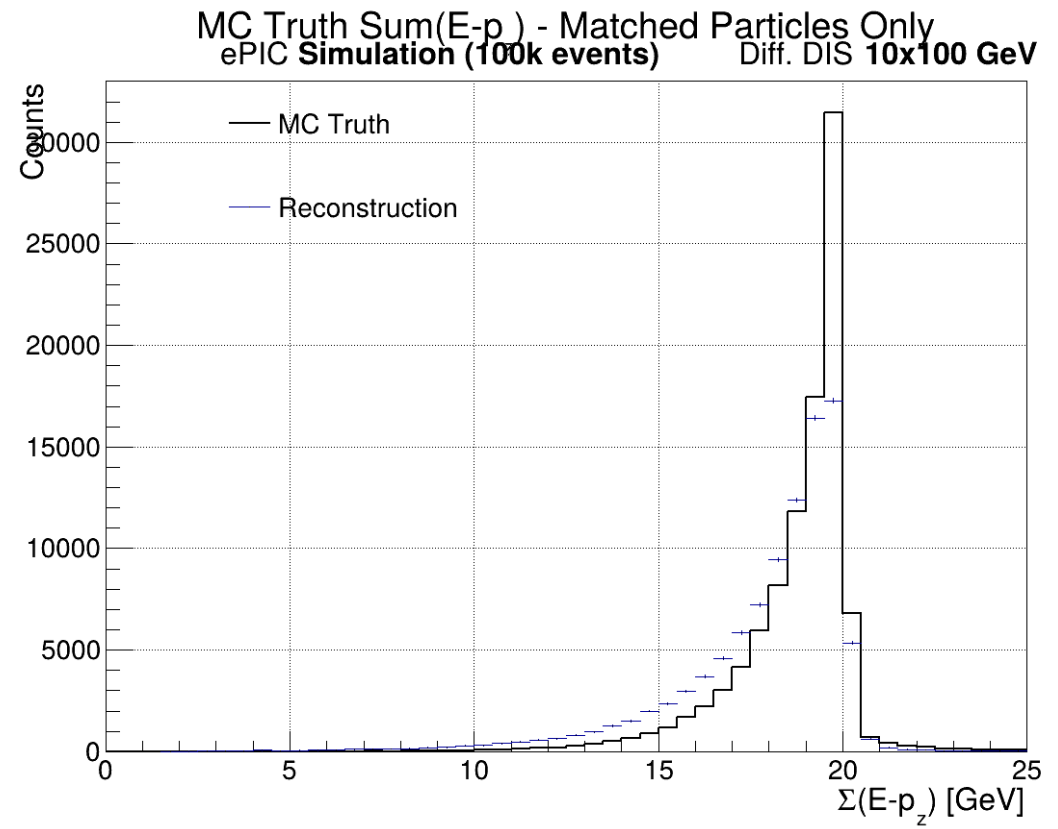
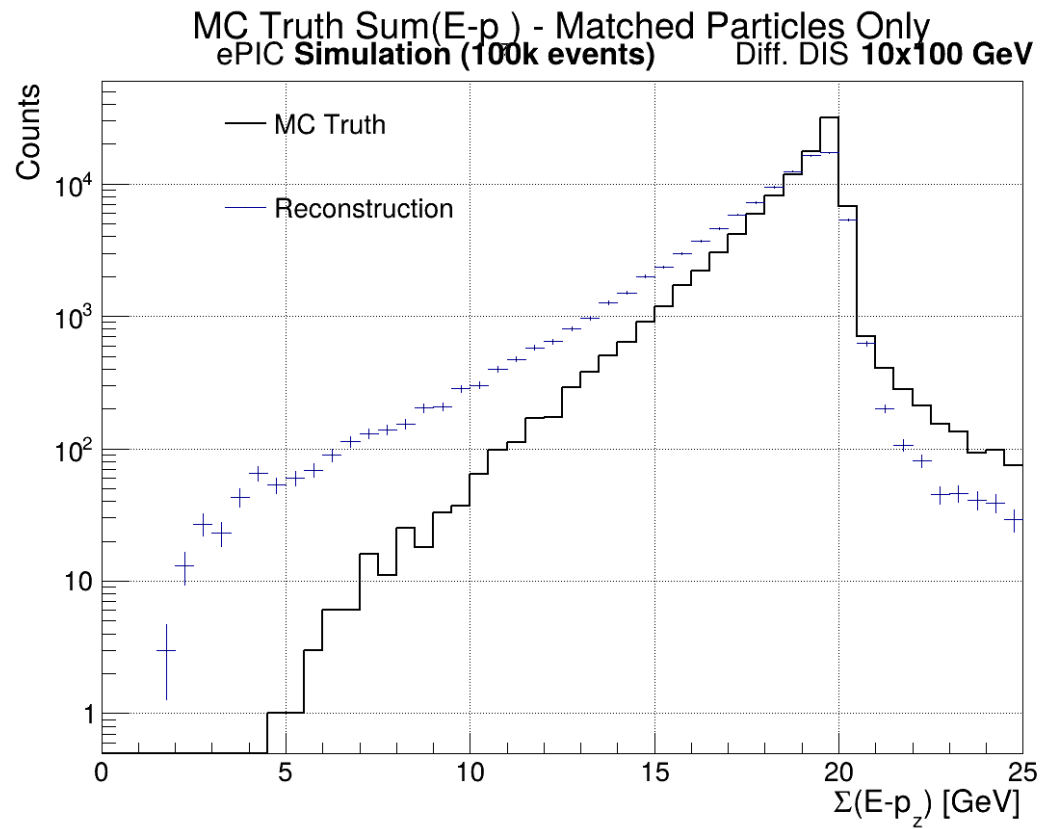
Hadi Hashamipour

INFN-Cosenza

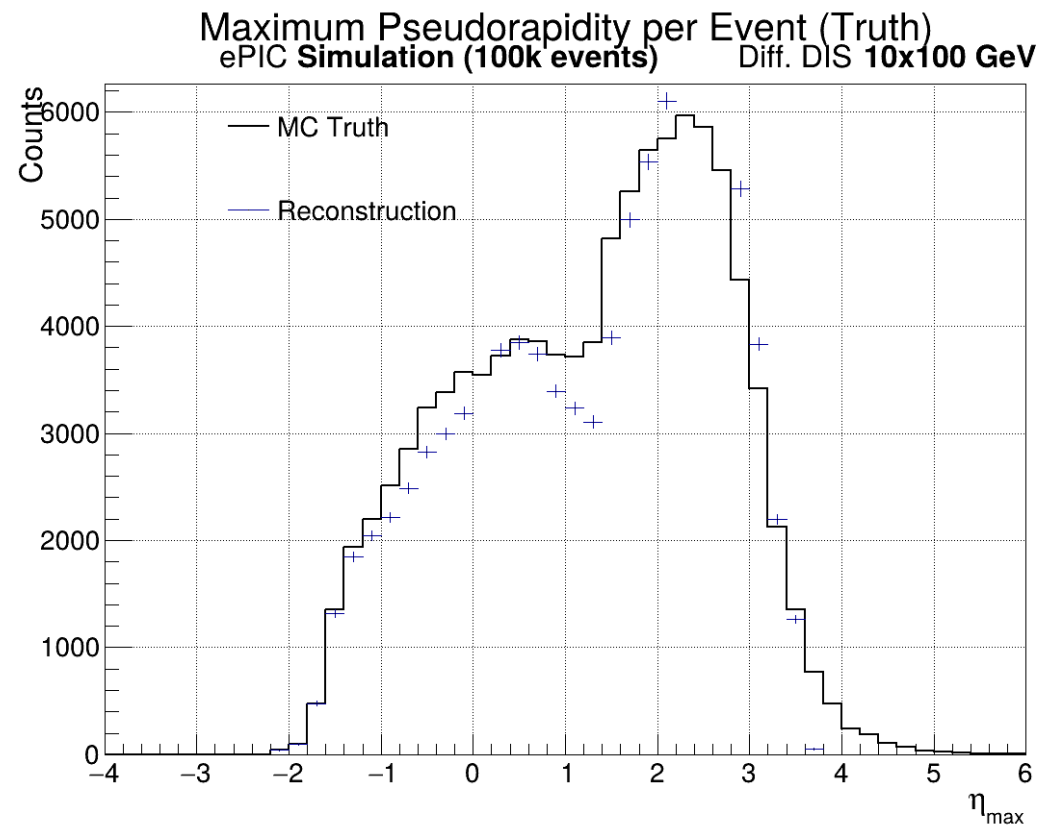
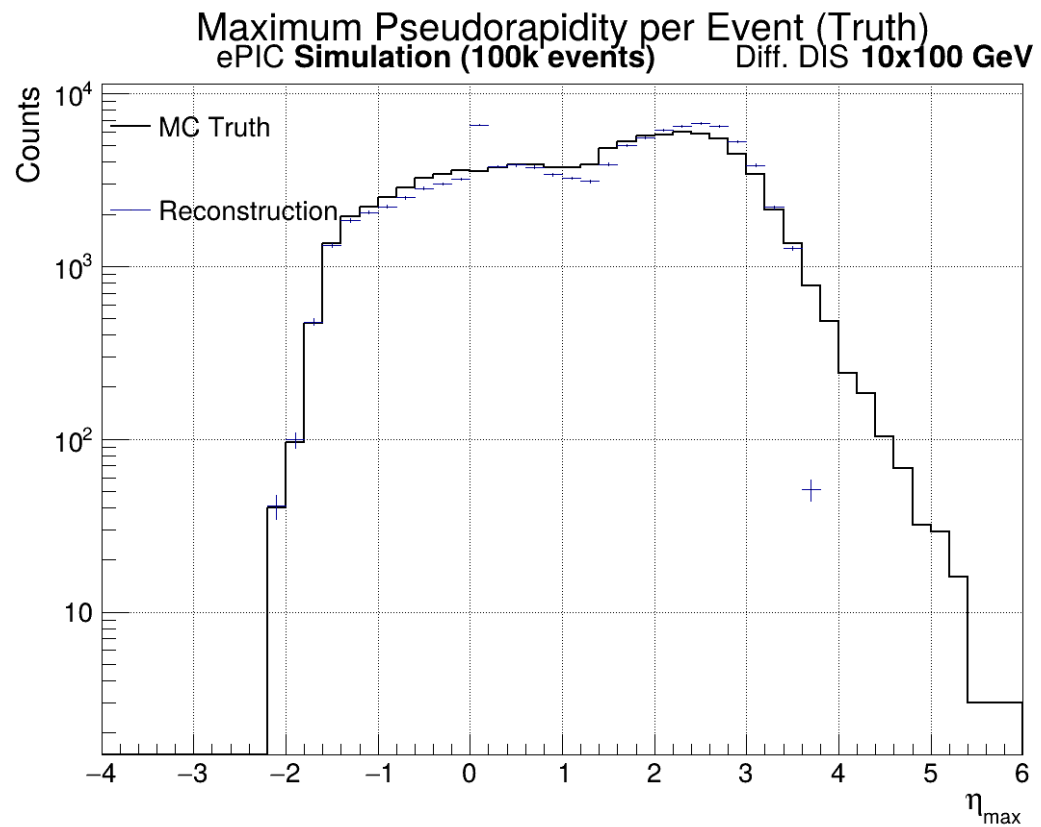
DPDF ANALYSIS UPDATE

NOV. 3RD

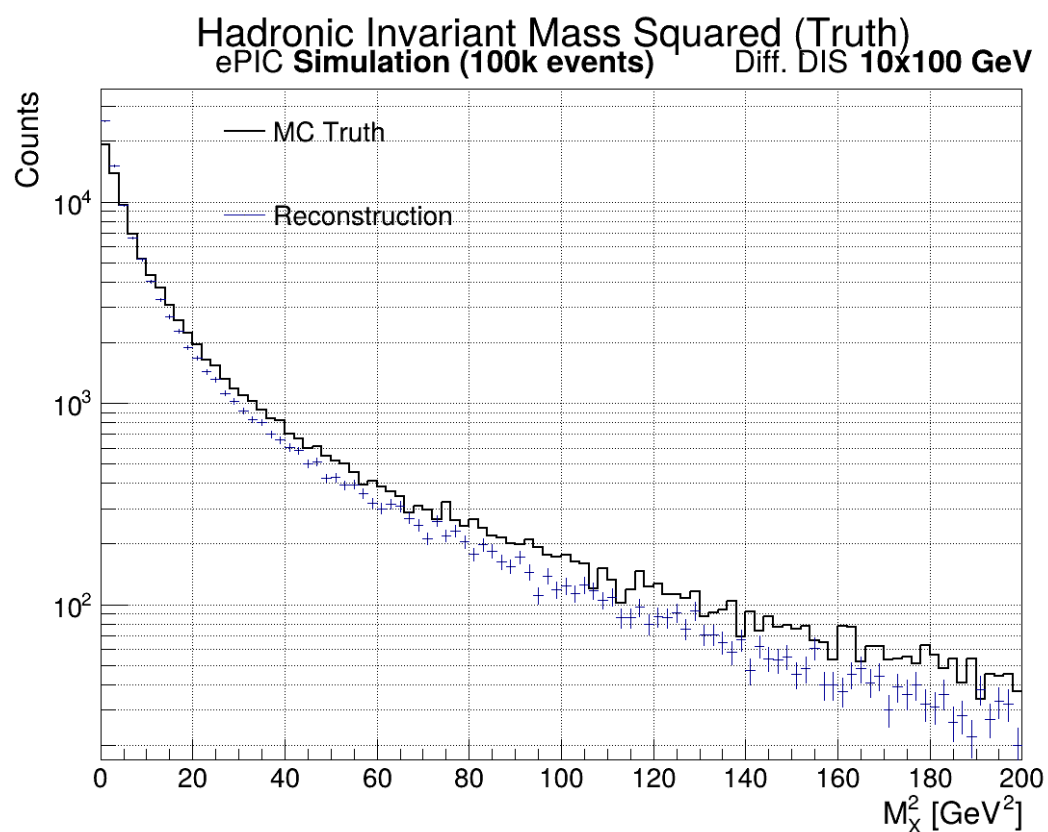
$\Sigma(E - p_z)$ HISTO



η_{Max} HISTO



M_X^2 INVARIANT MASS OF SYS. X

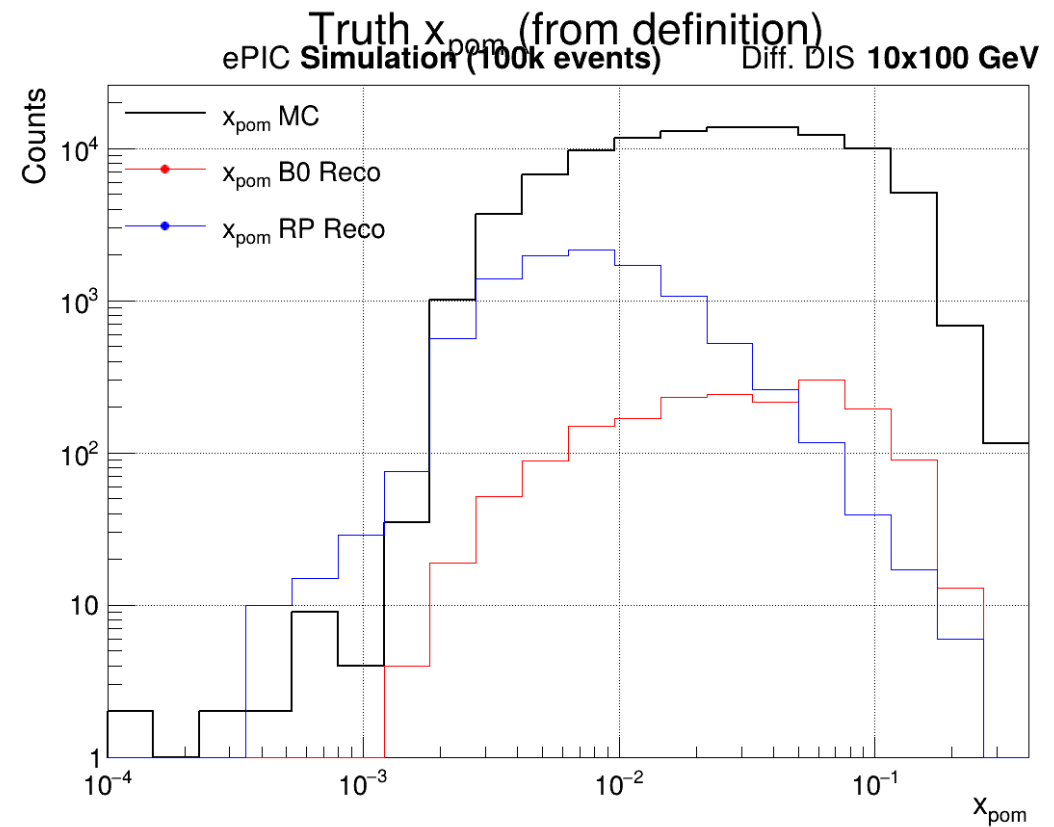
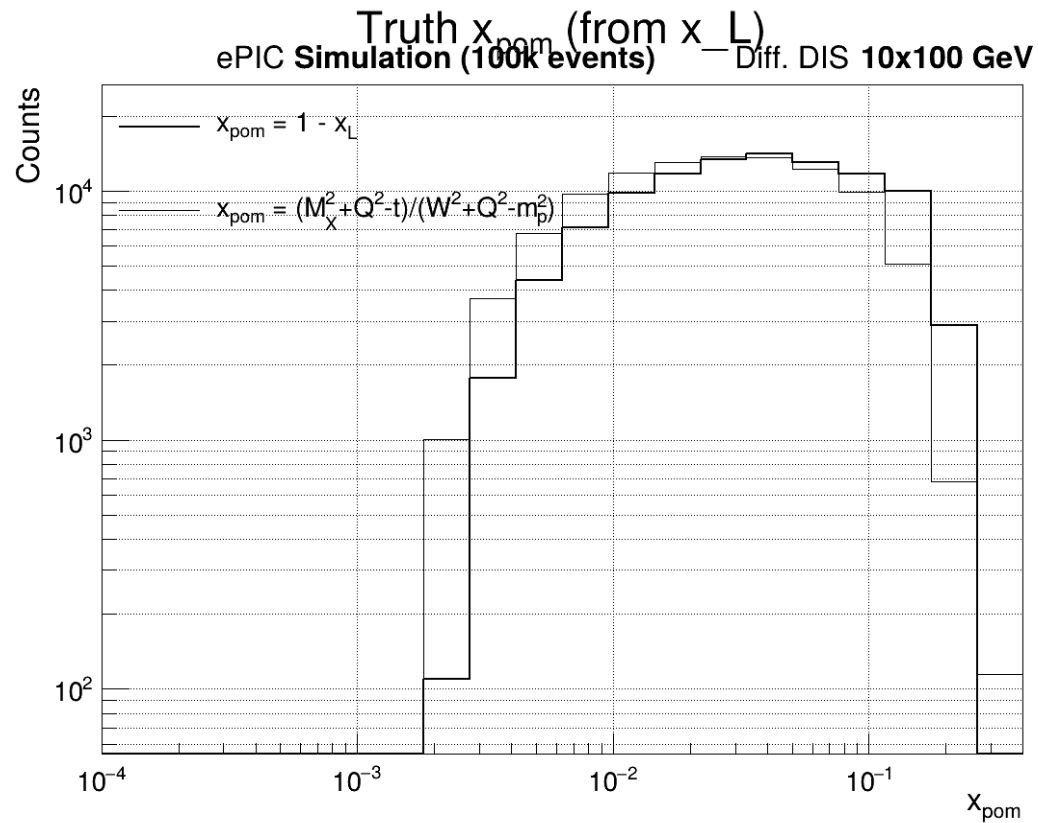


$$M_X^2 = \left(\sum_{i \in X} p_i \right)^2$$

$$M_{X,\text{LPS}}^2 \approx [1 - x_L(1 + x_B)]W^2$$

x_{IP} RECONSTRUCTION

$$x_{IP} = 1 - x_L \quad x_{IP} = \frac{M_X^2 + Q^2 - t}{W^2 + Q^2 - m_p^2}$$



N E X T :

- Resolution and binning study of Diff variables
- Reduced cross section

$$\frac{d^3\sigma}{d\beta dQ^2 dx_{\mathcal{I}P}} = \frac{2\pi\alpha^2}{\beta Q^4} [1 + (1 - y)^2] \sigma_r^{(3)} (\beta, Q^2, x_{\mathcal{I}P})$$