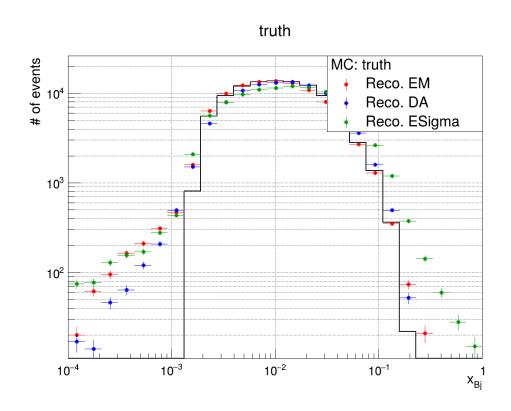
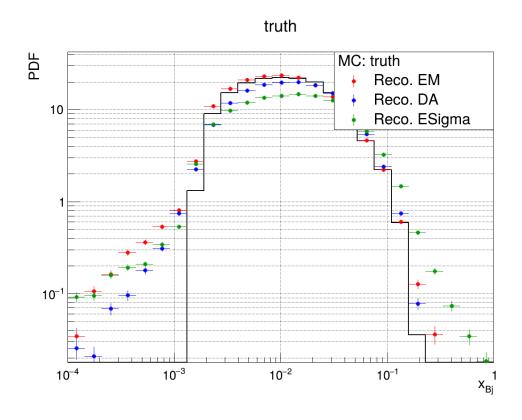
DPDF Meetings

Sep. 30

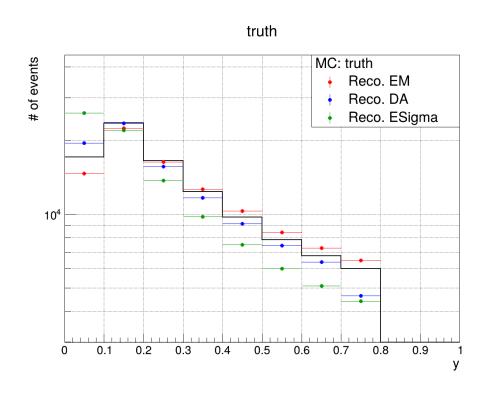
Hadi Hashamipour

10x100 100K Inclusive

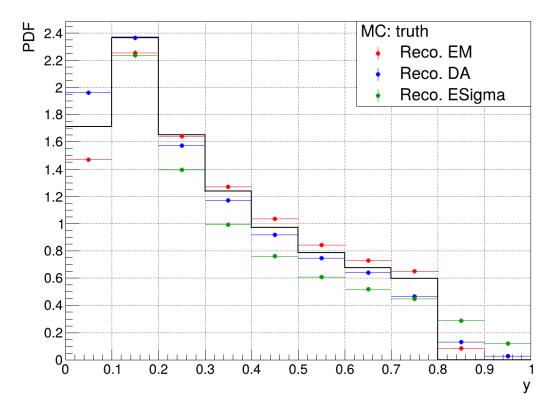


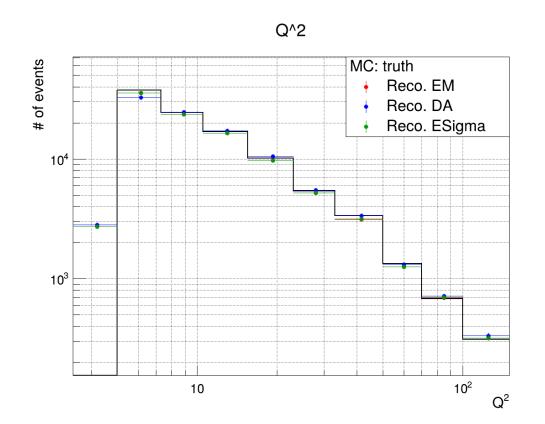


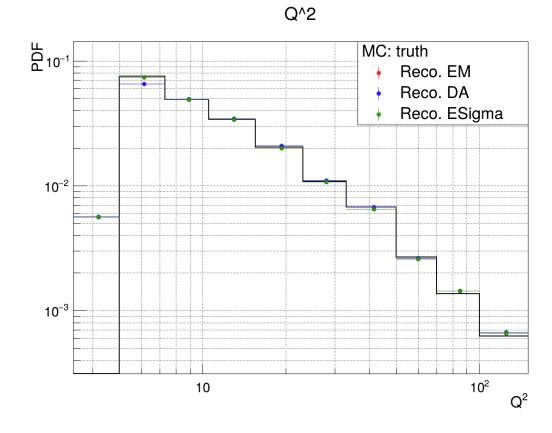
inelasticity



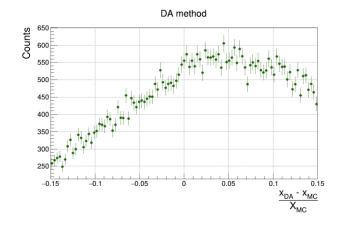


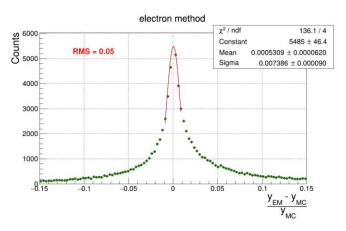


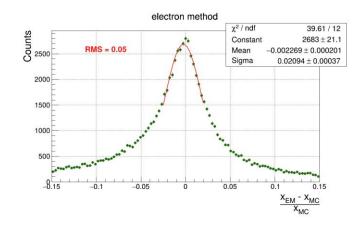


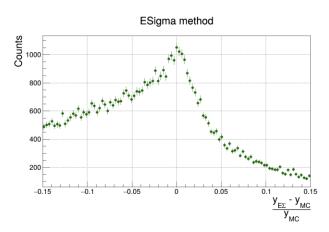


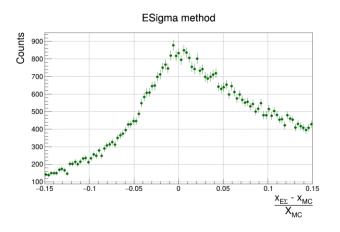
Overall resolution

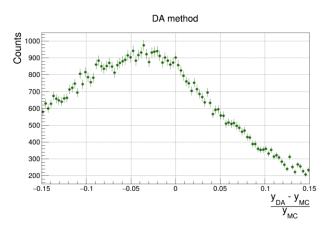




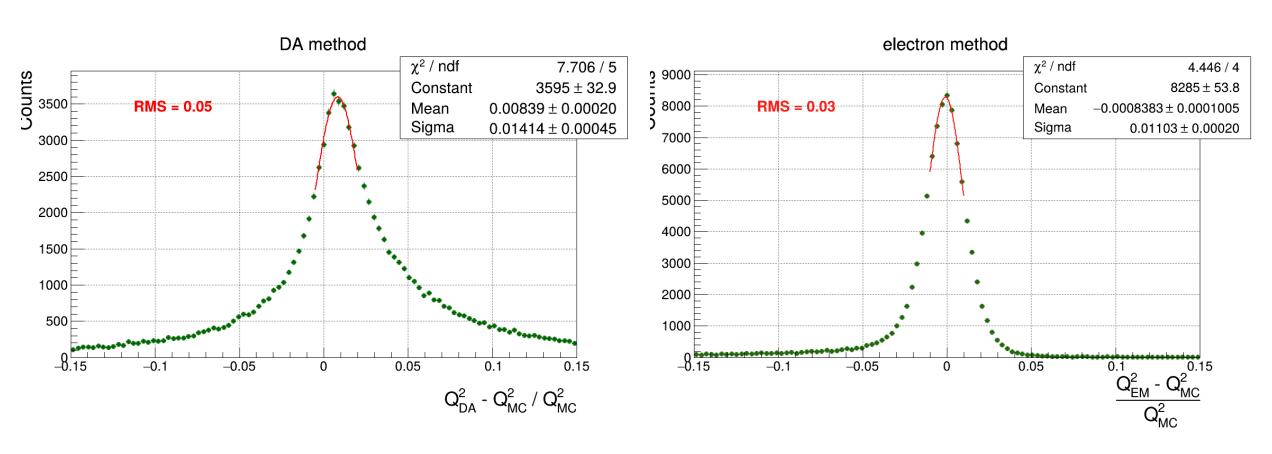








Overall resolution - 2

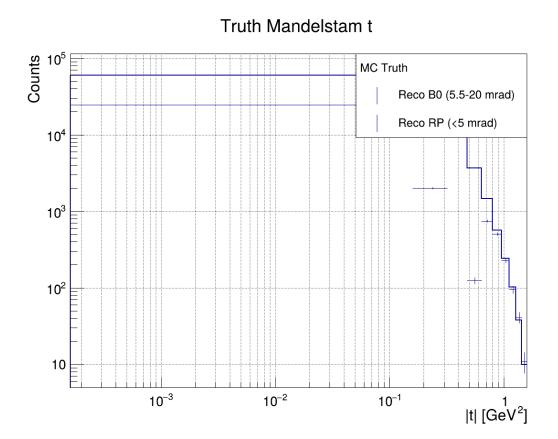


tRecoconvention

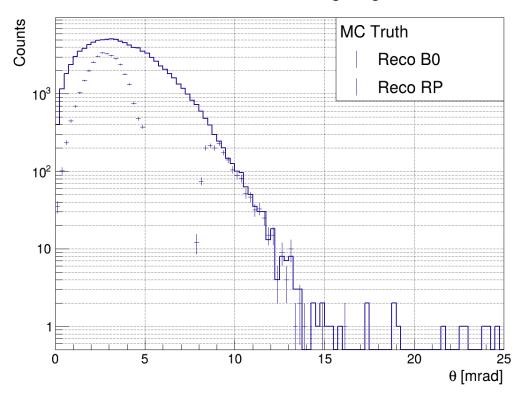
Class name Observables used Example(s)

$$\begin{split} \text{eXBABE} \quad p_{\gamma^*}^{\mu}, \, p_{\text{X}}^{\mu}, \, p_{\text{BA}}^{\mu}, \, p_{\text{BE}}^{\mu} \, -t &= (p_{\text{corr}}^{\mu} - p_{\text{BE}}^{\mu})^2 \\ p_{\text{corr}}^{\mu} &= \left[\sqrt{|\vec{p}_{\text{miss}}|^2 + m_{\text{BA}}^2}, |\vec{p}_{\text{miss}}| \hat{n}(\theta_{\text{BA}}, \phi_{\text{BA}}) \right] \\ p_{\text{miss}}^{\mu} &= p_{\gamma^*}^{\mu} + p_{\text{BE}}^{\mu} - p_{\text{X}}^{\mu} = [E_{\text{miss}}, |\vec{p}_{\text{miss}}| \hat{n}(\theta_{\text{miss}}, \phi_{\text{miss}})] \end{split}$$

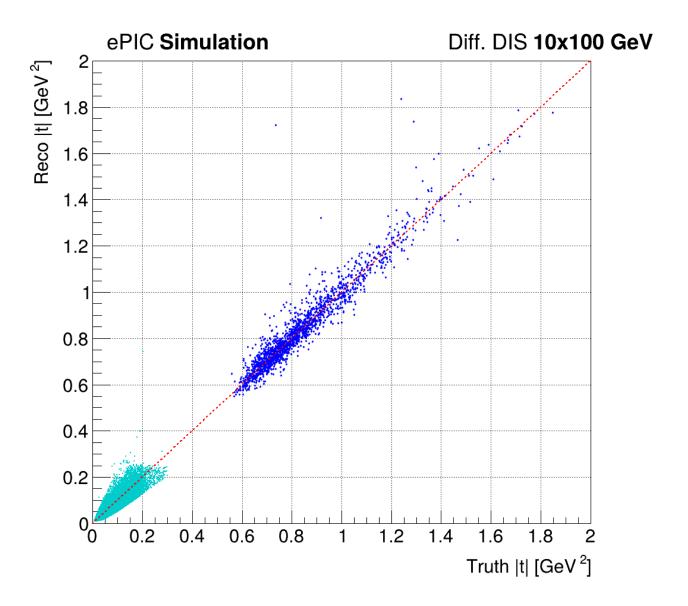
Mandelstam 't' - BABE Method



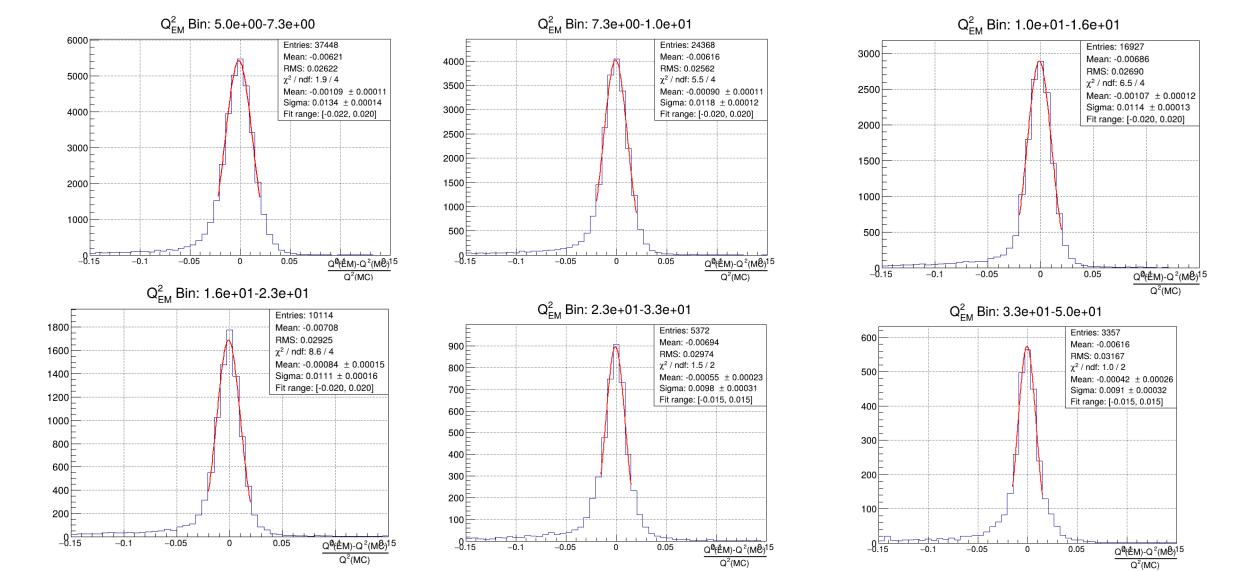
MC Proton Scattering Angle



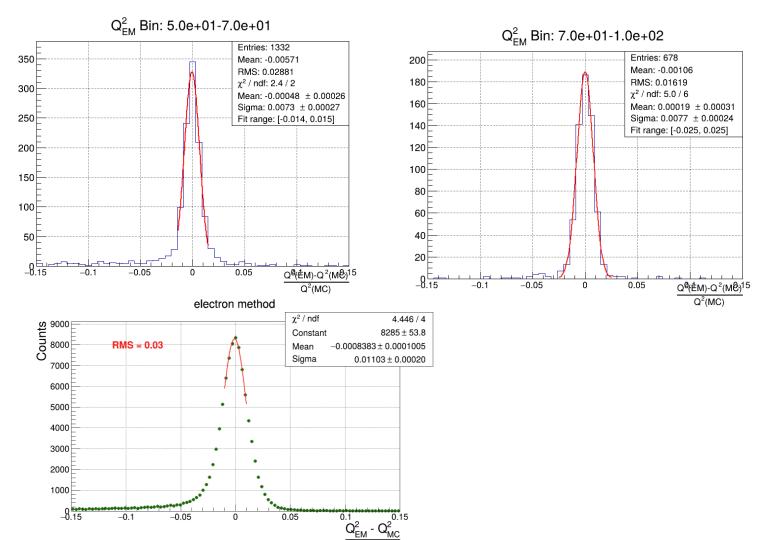
't' correlation plot cyan = RP blue = B0

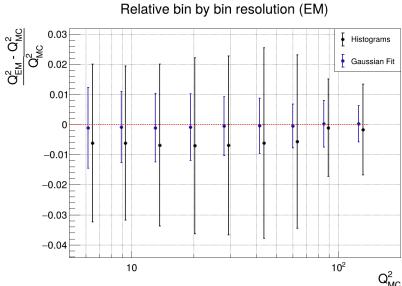


Resolution plots – Electron Method

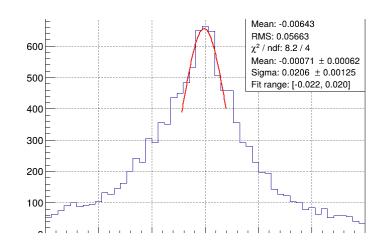


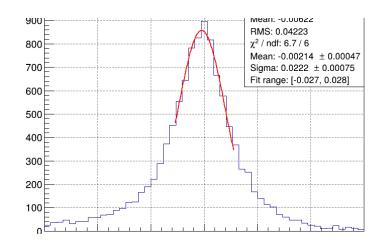
Resolution plots EM

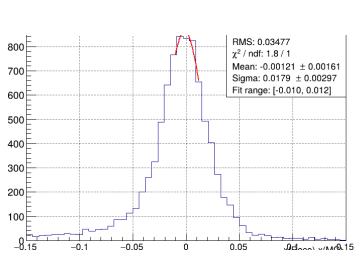


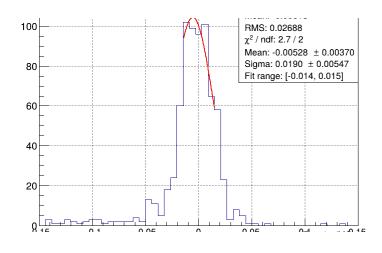


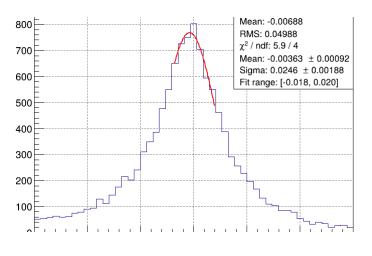
Resolution plots EM

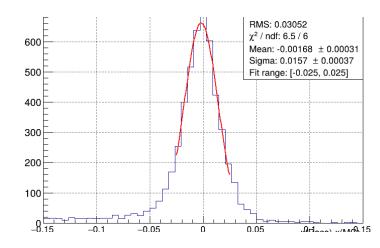




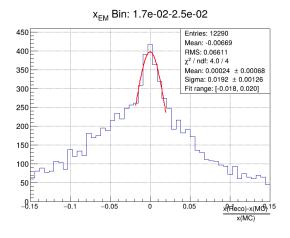


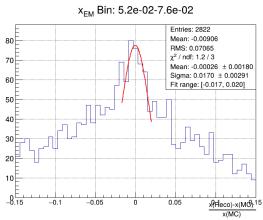


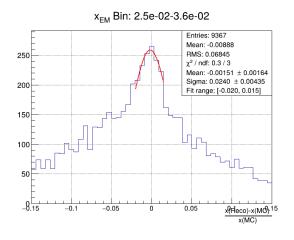


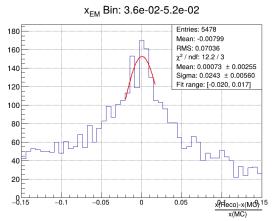


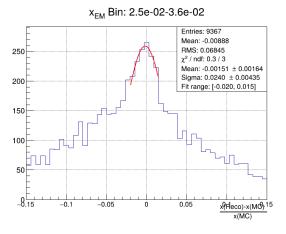
Resolution Plots EM

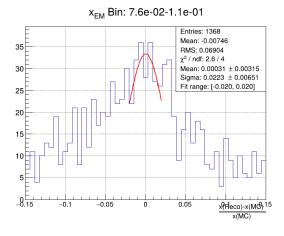






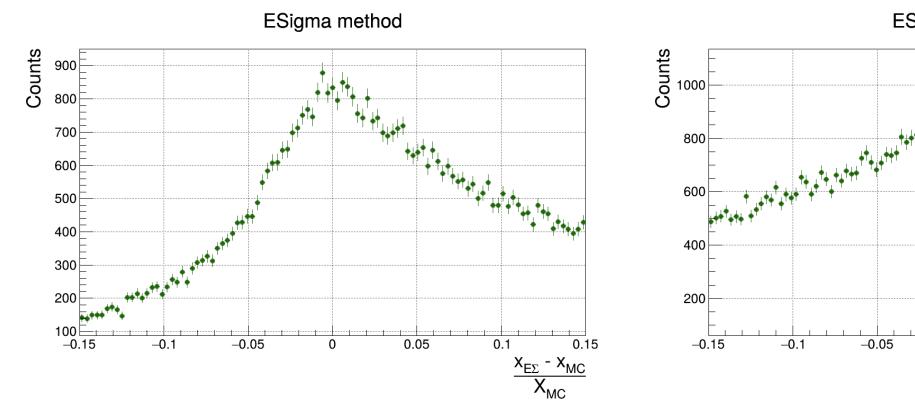


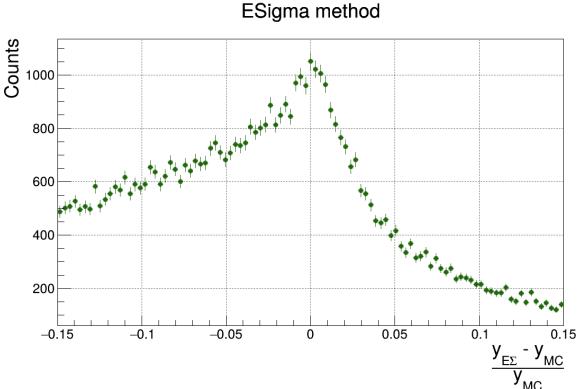




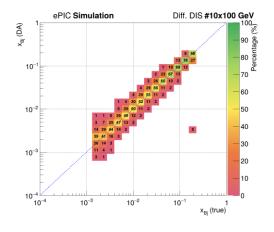
Resolution plots ESigma method

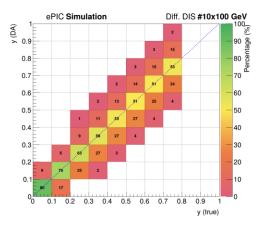
Q2 is exactly same as EM

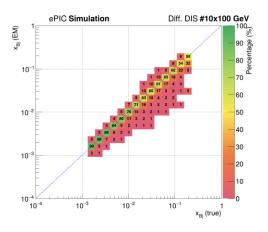


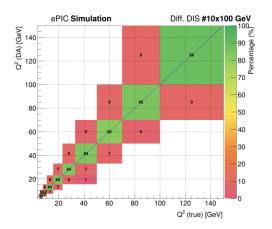


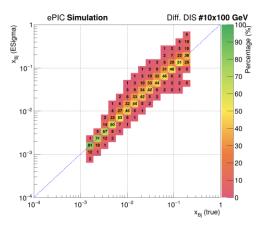
Response Matrices

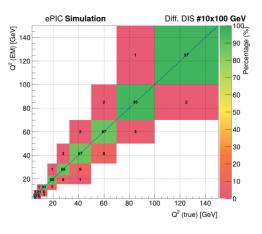




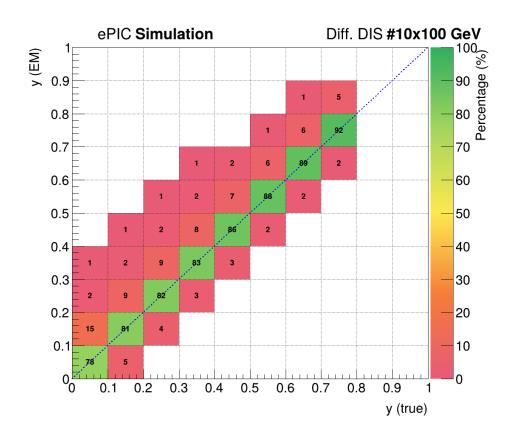


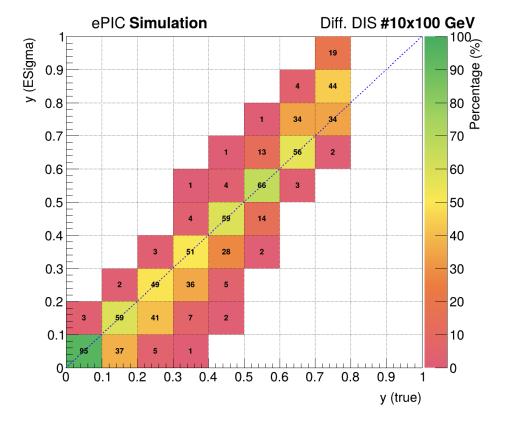






Response matrices - 2





't' resolution BABE and Res. Mat.

