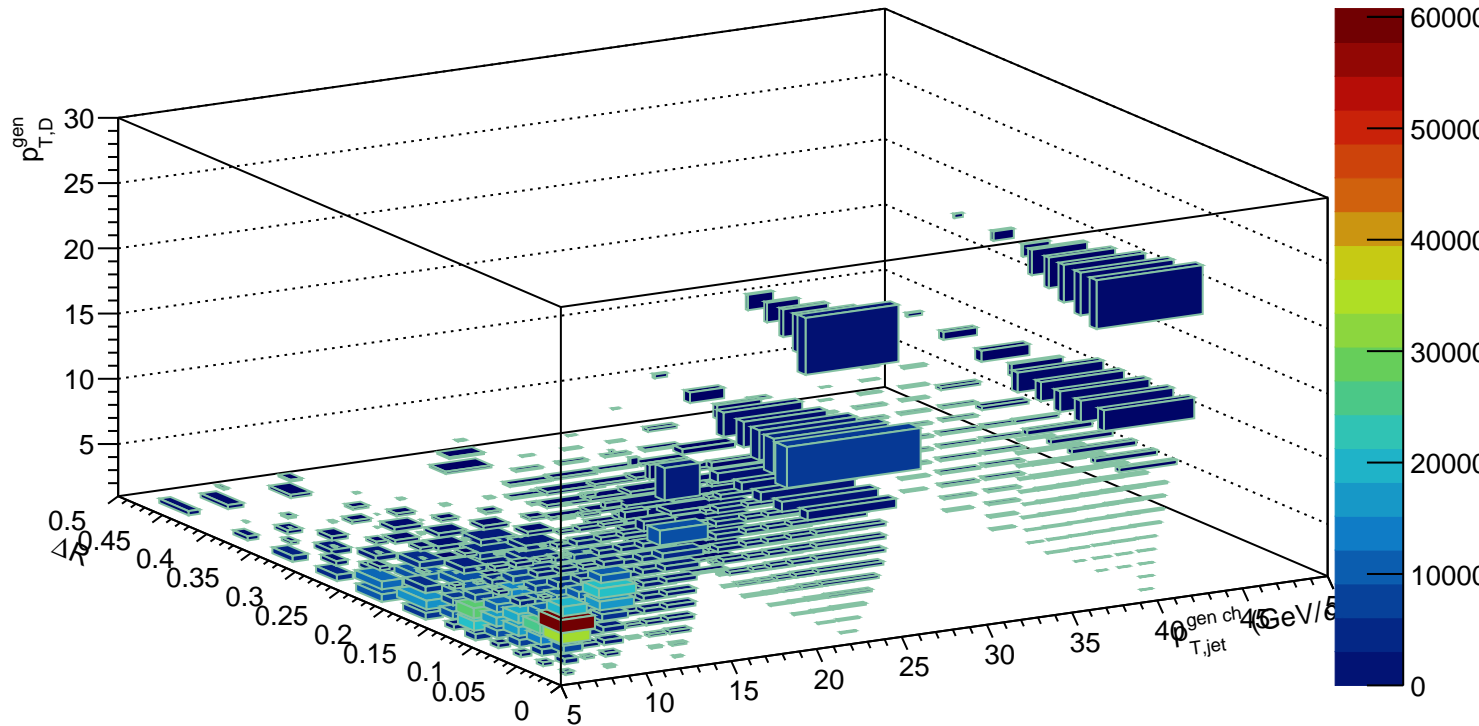
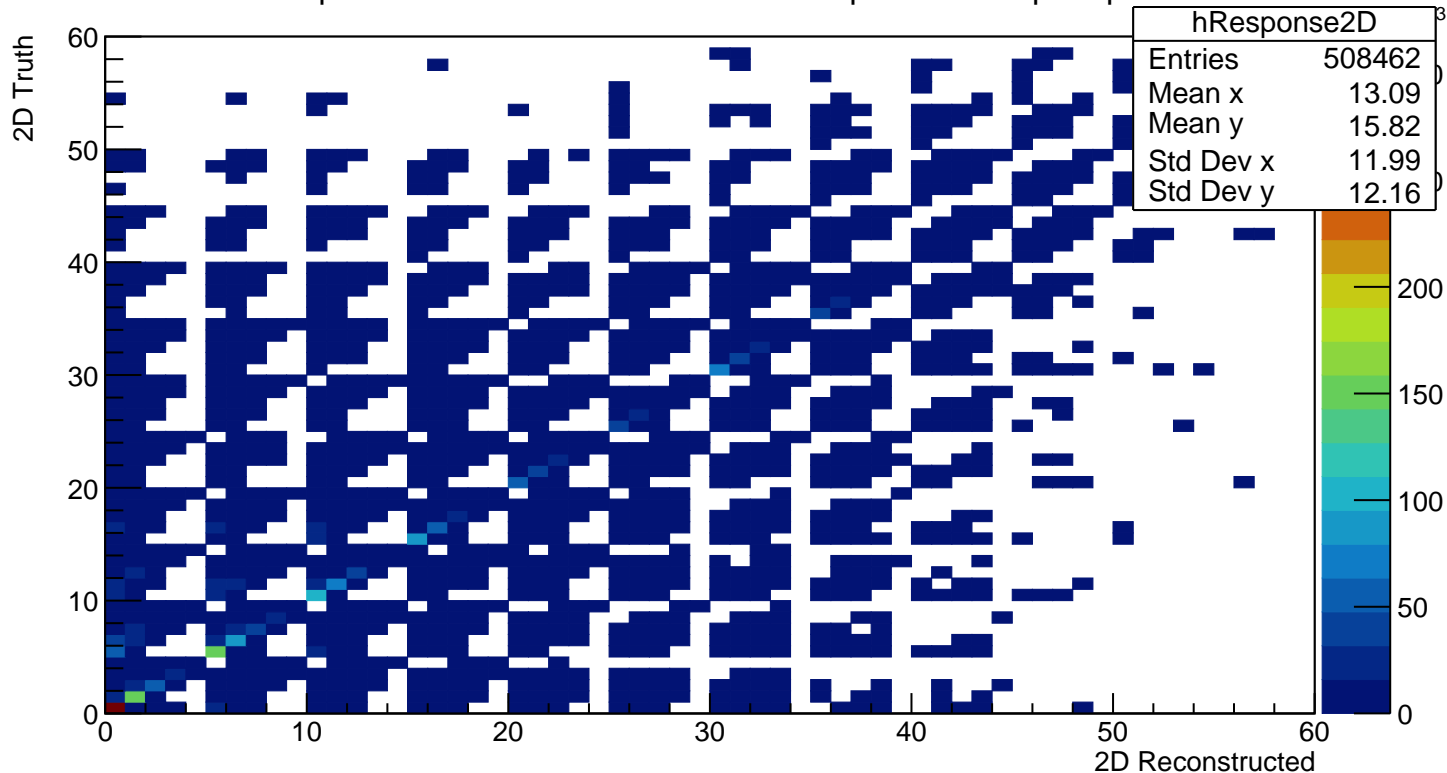
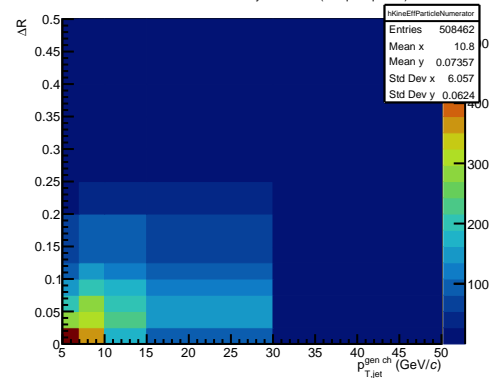
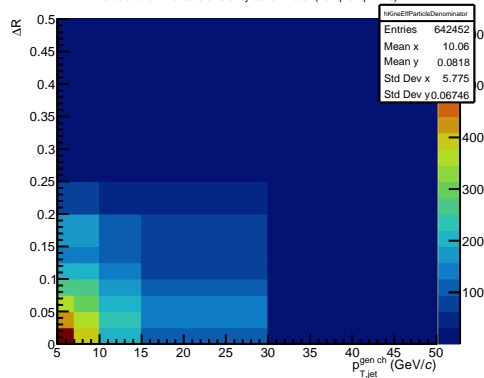
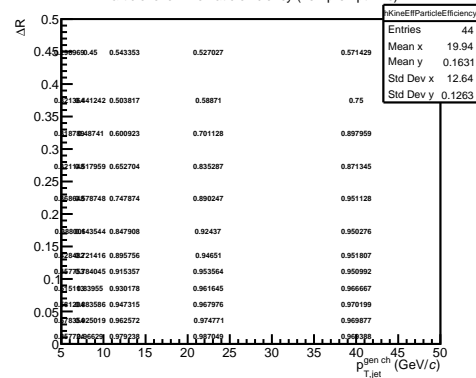
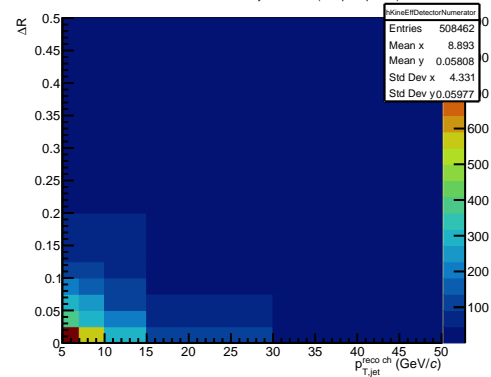
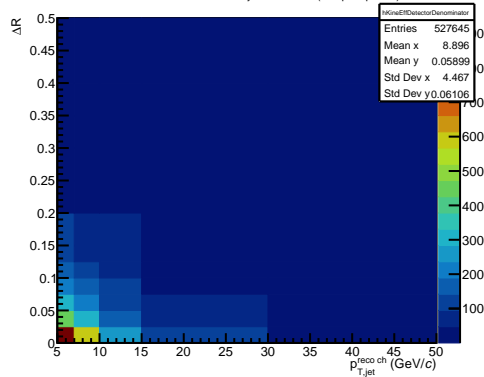
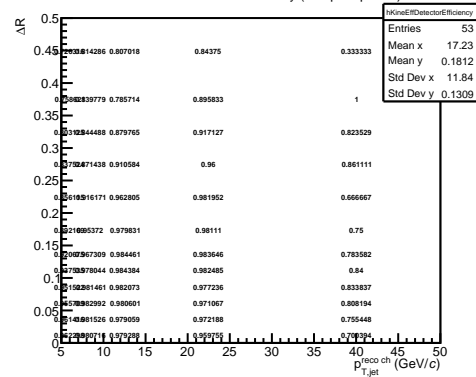


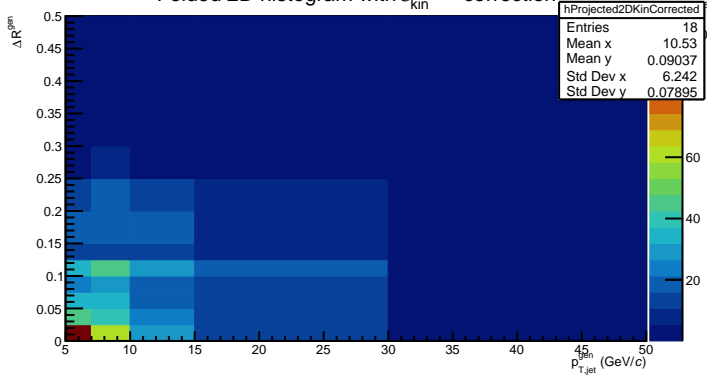
# POWHEG + PYTHIA



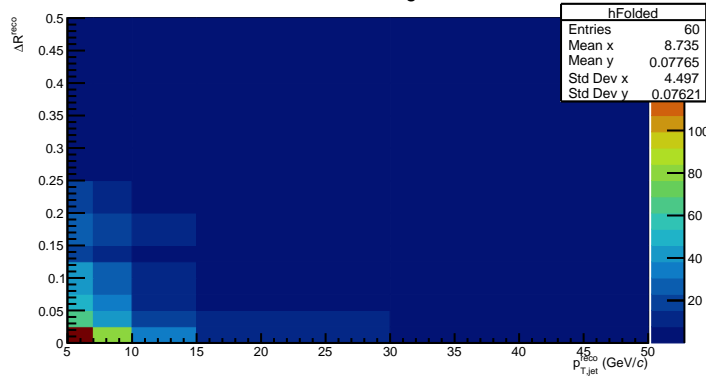
2D response matrix from 4D RooUnfoldResponse - non-prompt  $D^0$ 's

Particle level kinematic efficiency numerator (non-prompt  $D^0$ 's)Particle level kinematic efficiency denominator (non-prompt  $D^0$ 's)Particle level kinematic efficiency (non-prompt  $D^0$ 's)Detector level kinematic efficiency numerator (non-prompt  $D^0$ 's)Detector level kinematic efficiency denominator (non-prompt  $D^0$ 's)Detector level kinematic efficiency (non-prompt  $D^0$ 's)

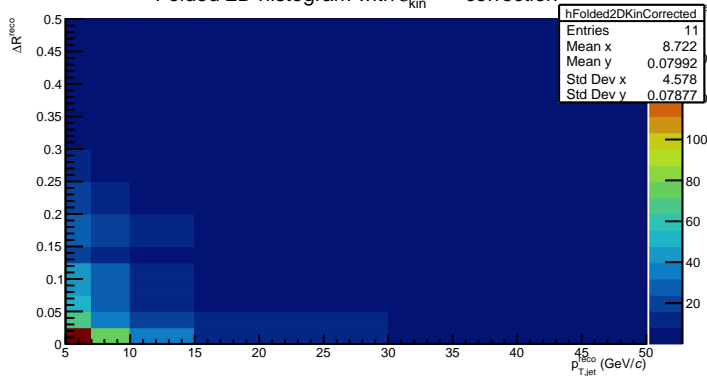
Folded 2D histogram with  $\epsilon_{\text{kin}}^{\text{particle}}$  correction



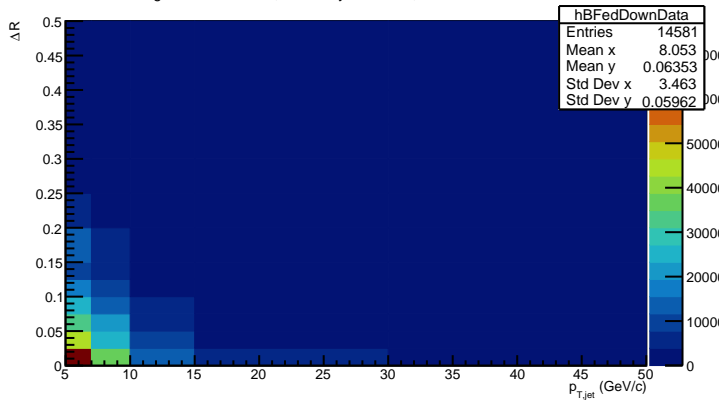
Folded 2D histogram



Folded 2D histogram with  $\epsilon_{\text{kin}}^{\text{detector}}$  correction



Background subtracted, efficiency corrected, fed down data distribution



Background subtracted, efficiency corrected, fed down data distribution

