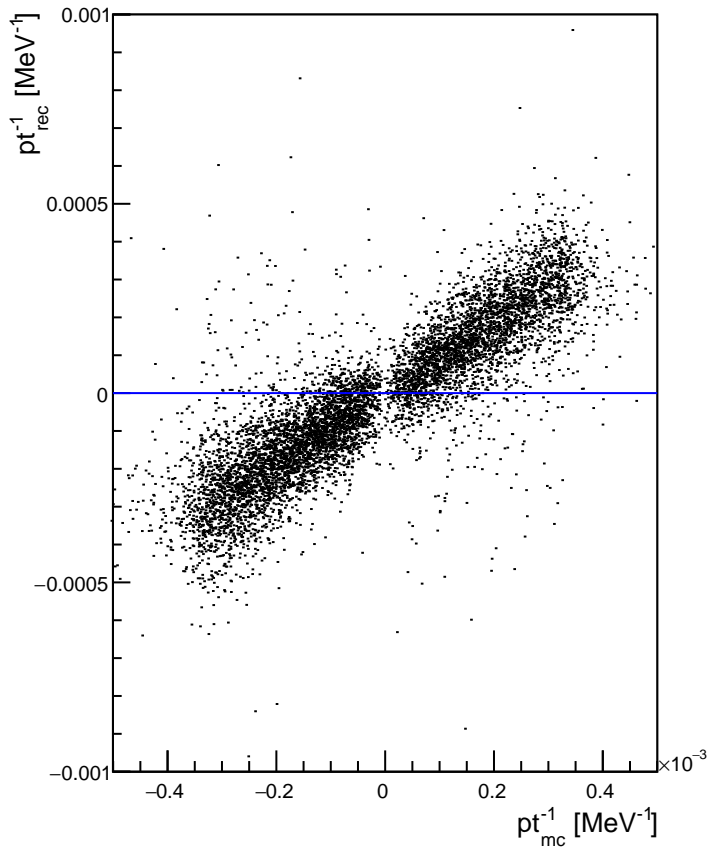
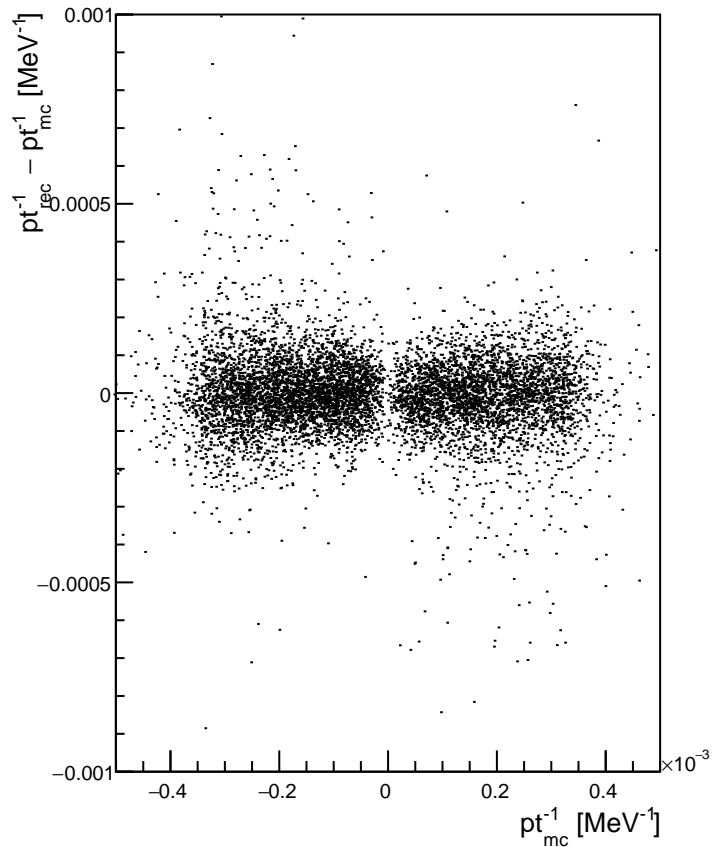
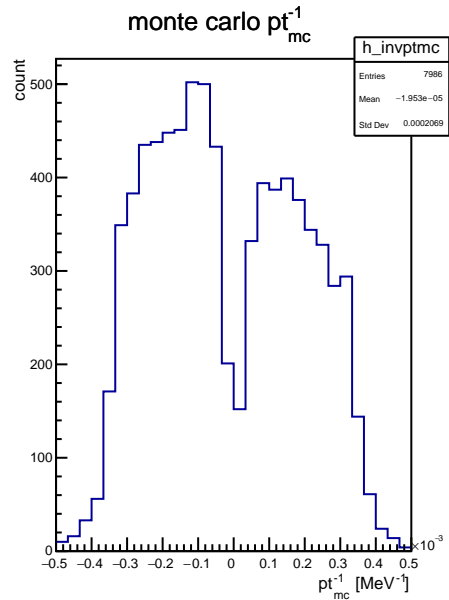
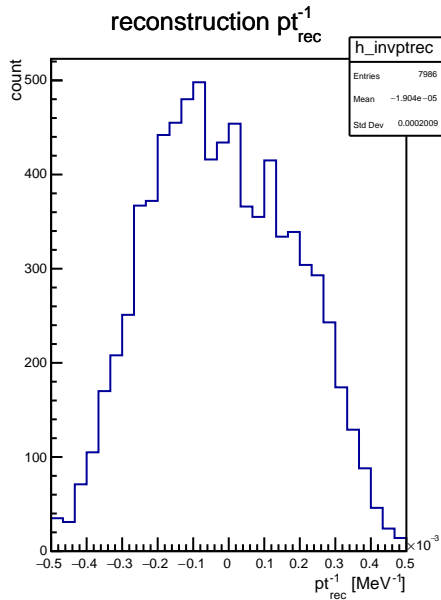
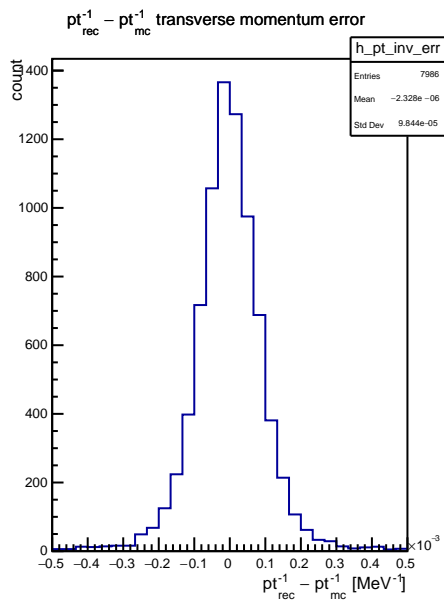


$pt_{\text{rec}}^{-1}$  over  $pt_{\text{mc}}^{-1}$  correlation

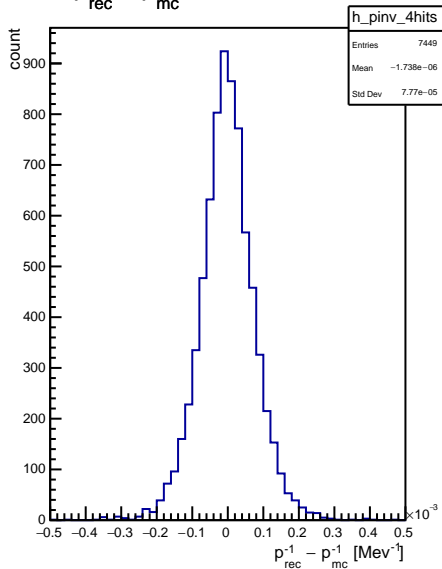


$pt_{\text{rec}}^{-1} - pt_{\text{mc}}^{-1}$  over  $pt_{\text{mc}}^{-1}$  correlation

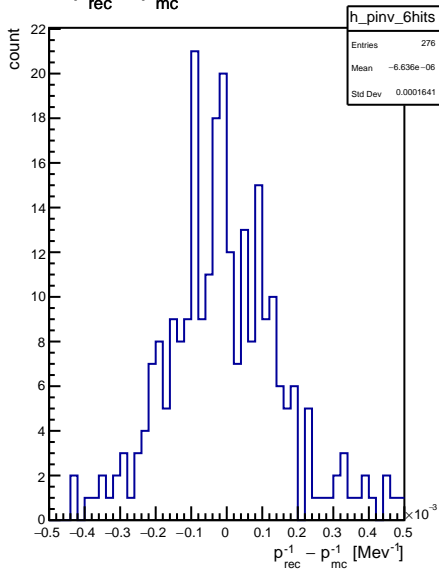




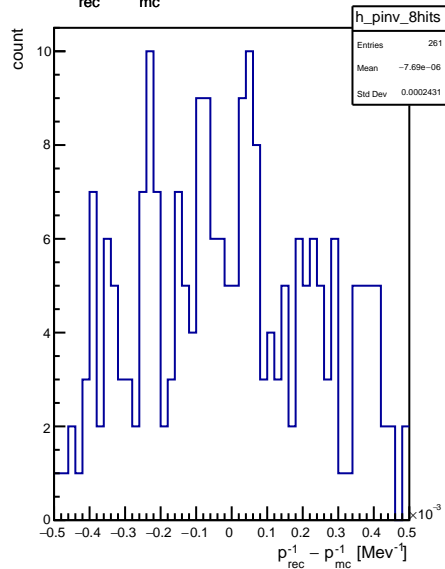
$p_{\text{rec}}^{-1} - p_{\text{mc}}^{-1}$  for 4 and 5 hits



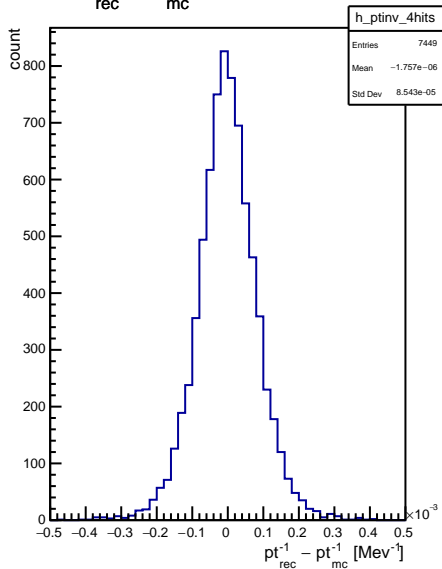
$p_{\text{rec}}^{-1} - p_{\text{mc}}^{-1}$  for 6 and 7 hits



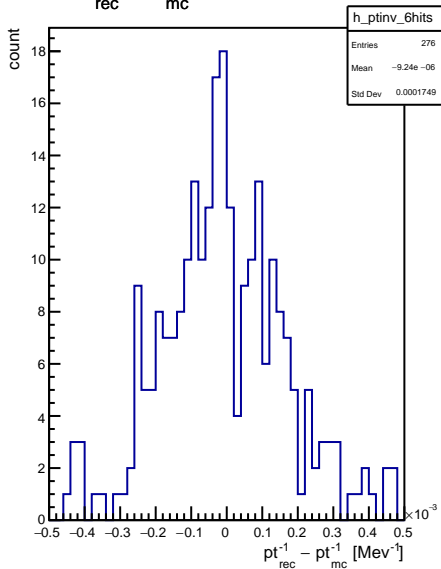
$p_{\text{rec}}^{-1} - p_{\text{mc}}^{-1}$  for 8 and more hits



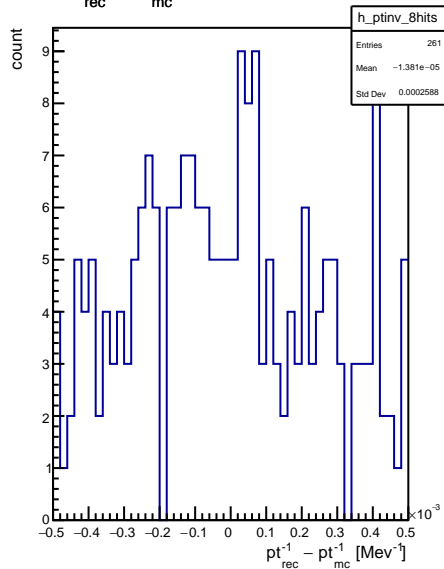
$pt_{rec}^{-1} - pt_{mc}^{-1}$  for 4 and 5 hits



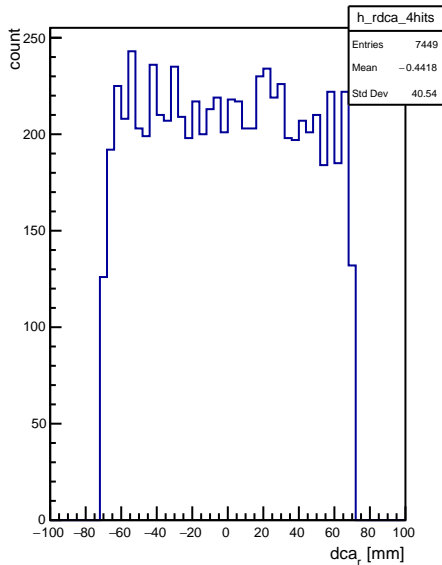
$pt_{rec}^{-1} - pt_{mc}^{-1}$  for 6 and 7 hits



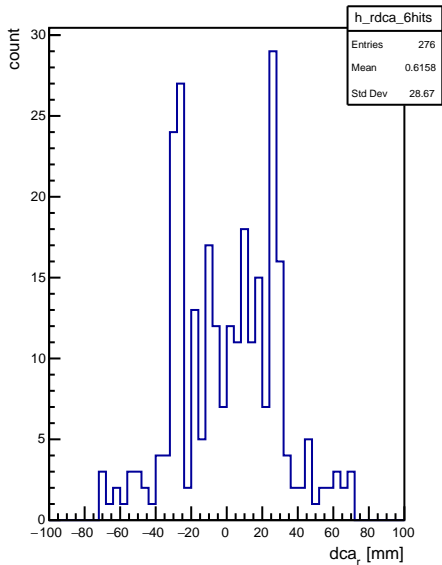
$pt_{rec}^{-1} - pt_{mc}^{-1}$  for 8 and more hits



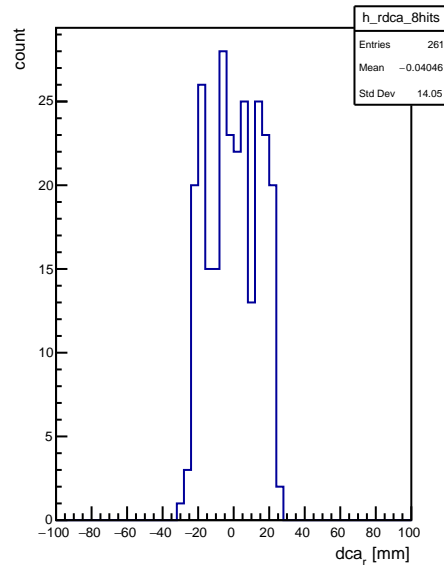
dca<sub>reconstruction</sub> radius for 4 and 5 hits

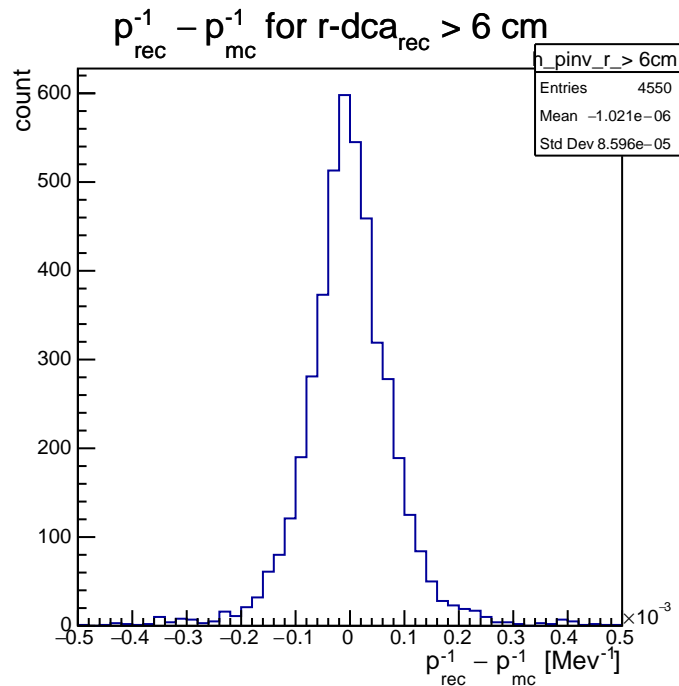
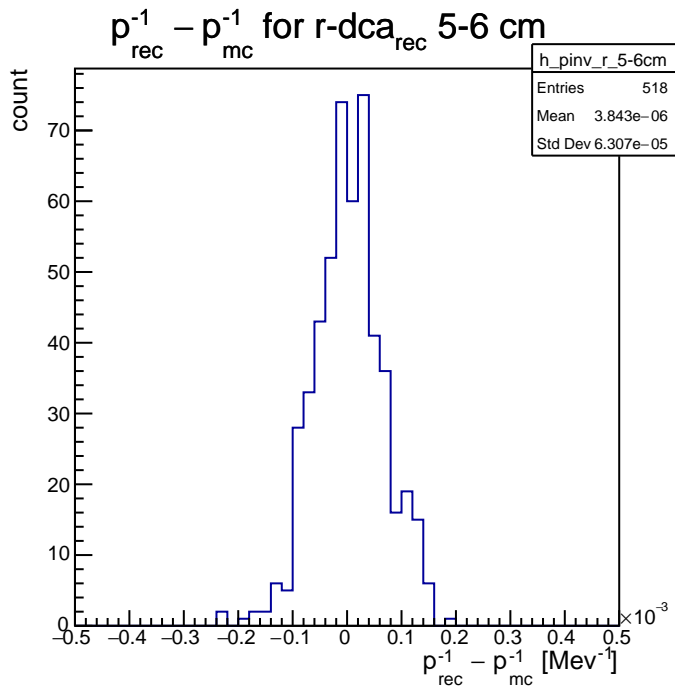
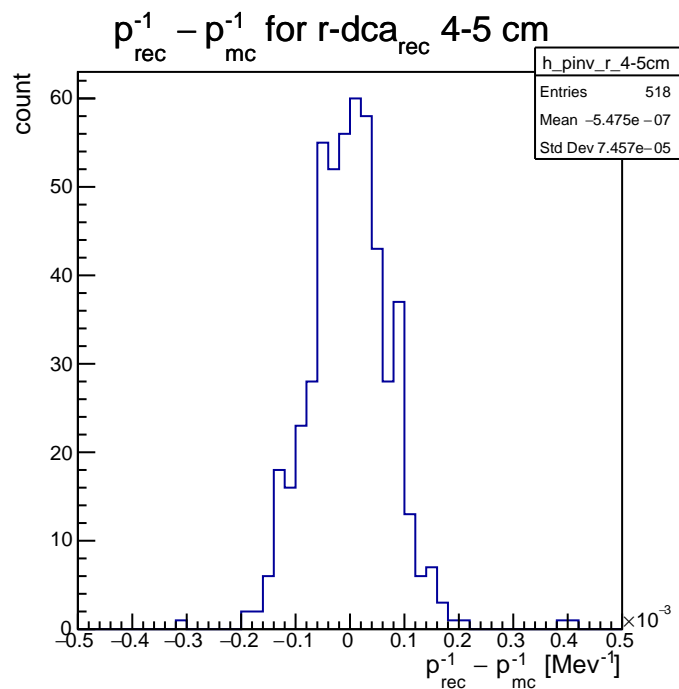
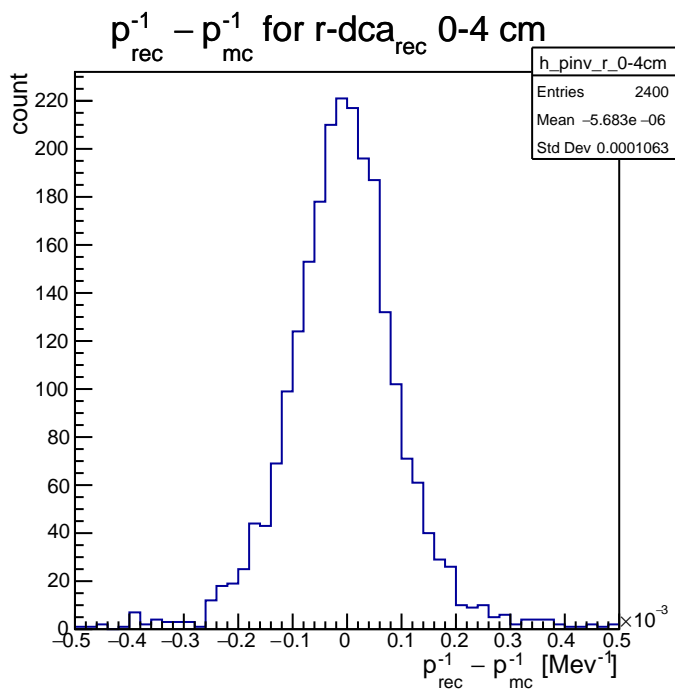


dca<sub>reconstruction</sub> radius for 6 and 7 hits

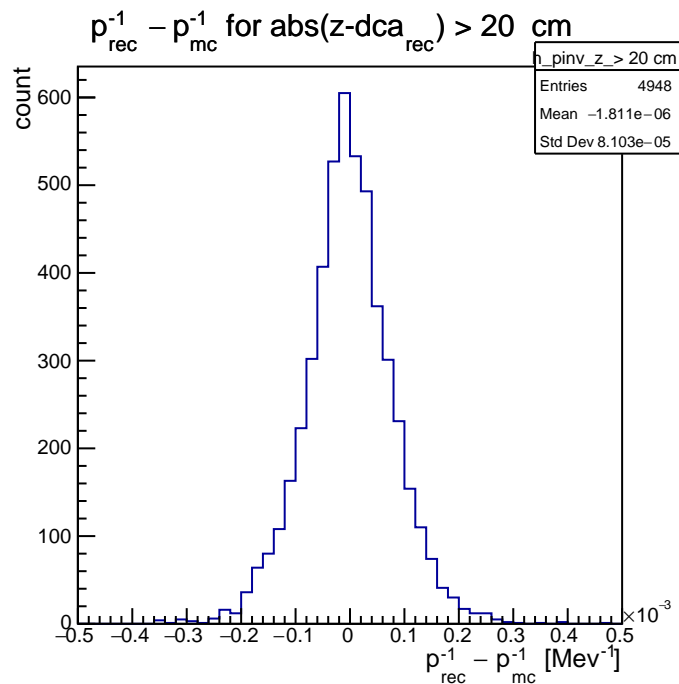
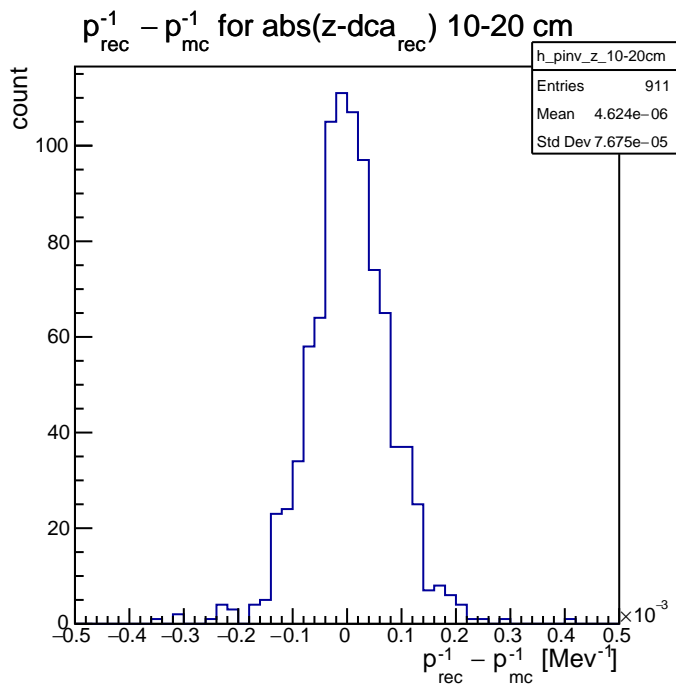
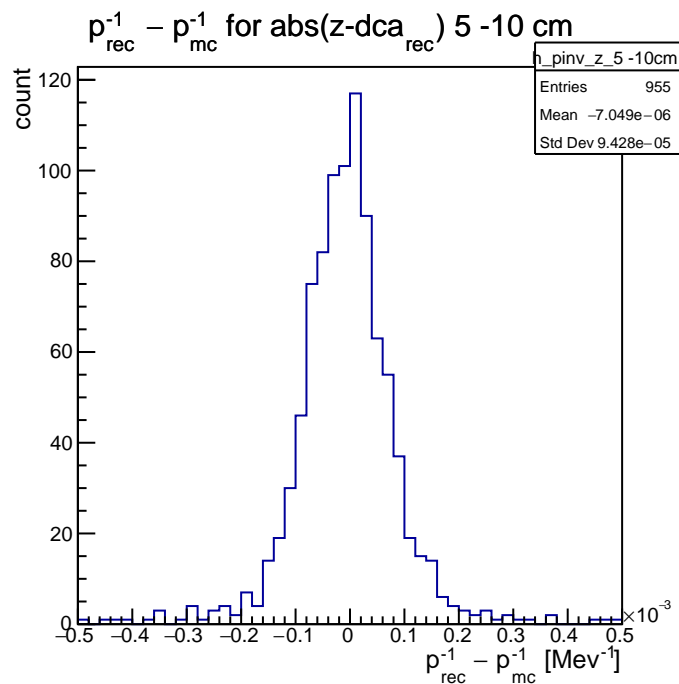
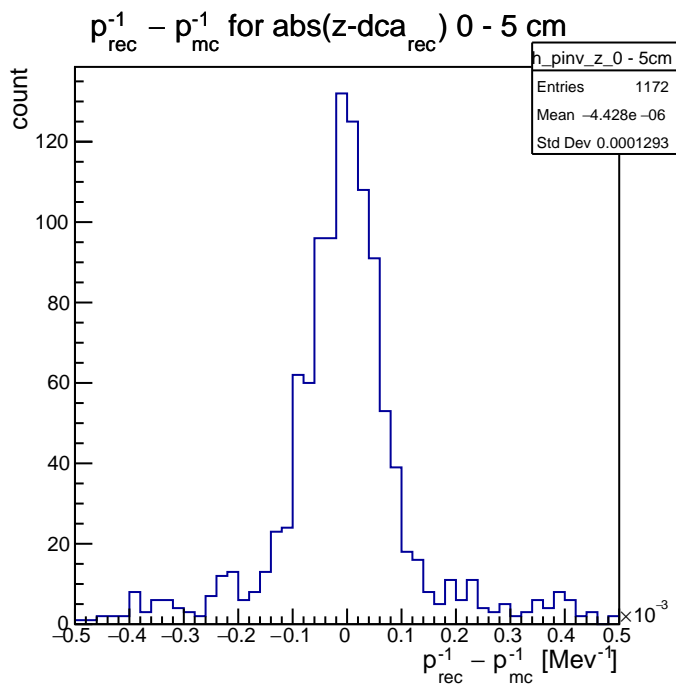


dca<sub>reconstruction</sub> radius for 8 and more hits

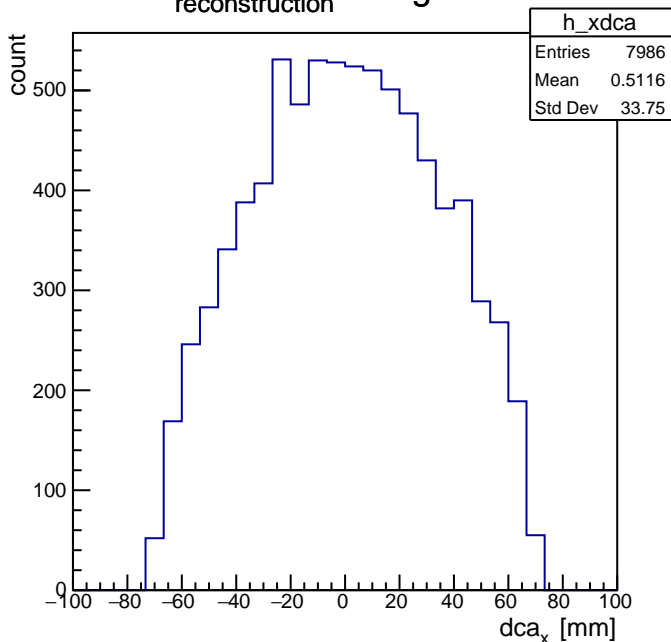




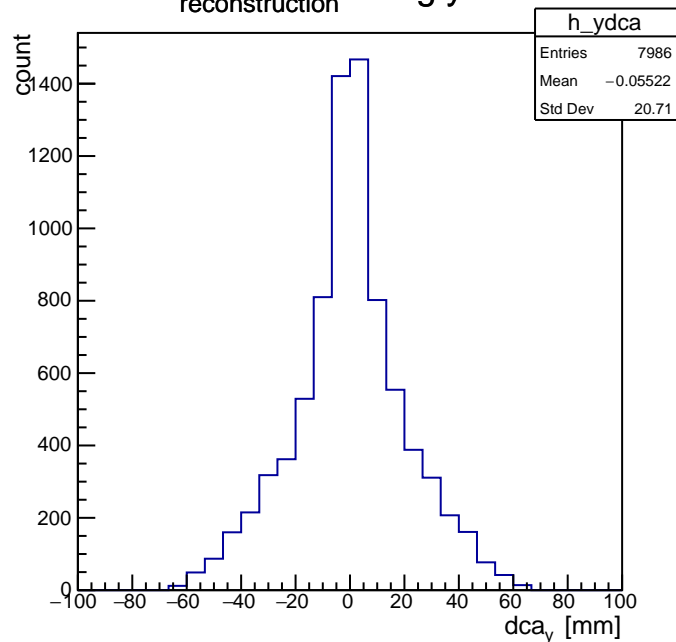




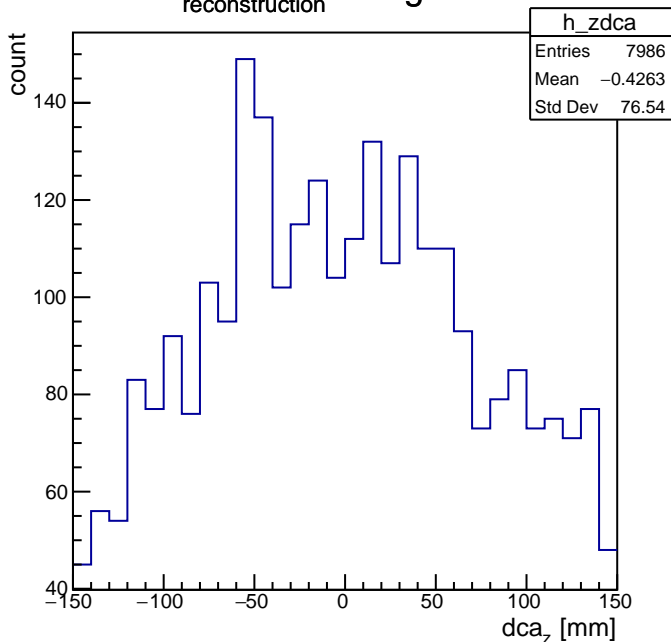
dca<sub>reconstruction</sub> along x-axis



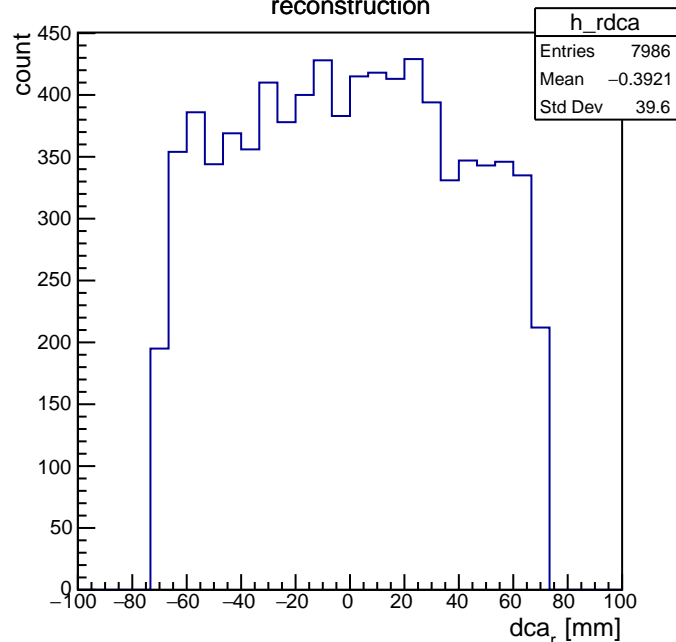
dca<sub>reconstruction</sub> along y-axis



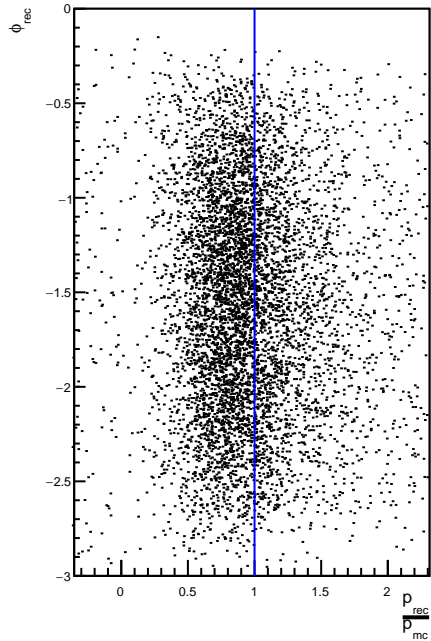
dca<sub>reconstruction</sub> along z-axis



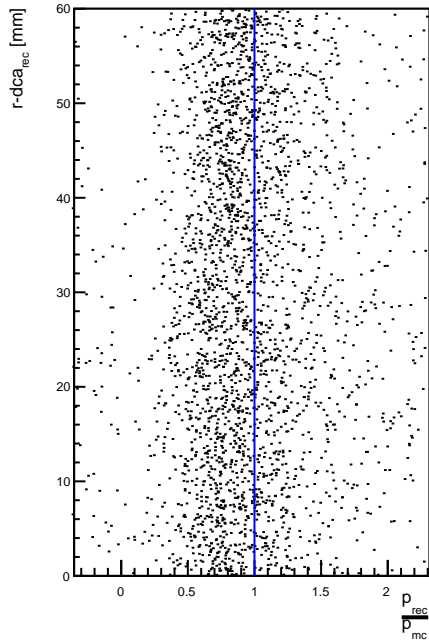
dca<sub>reconstruction</sub> r



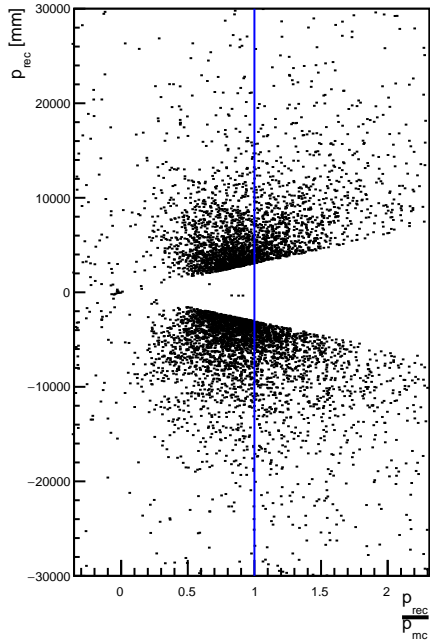
$\phi$  over  $p_{\text{rec}}/p_{\text{mc}}$  correlation



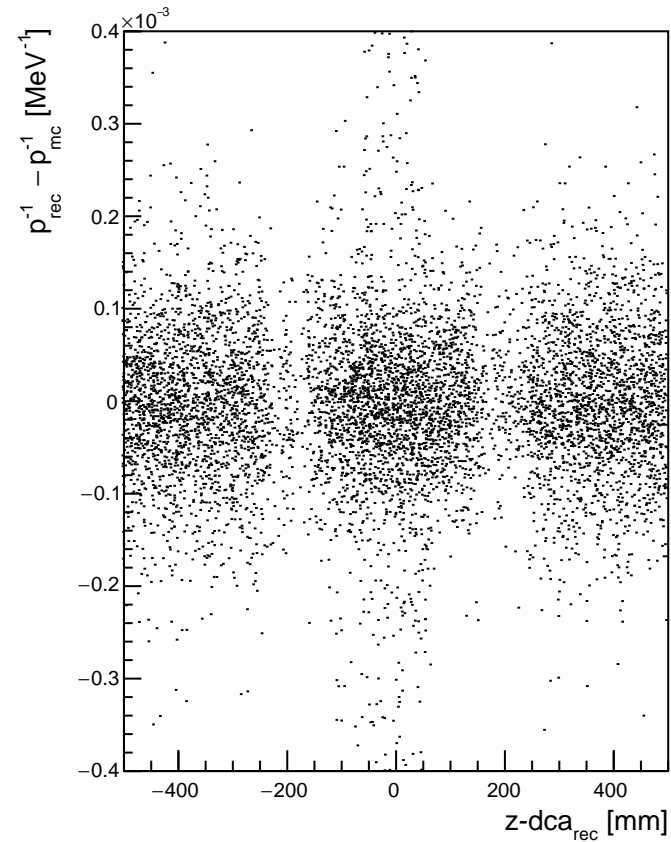
r-dca<sub>rec</sub> over  $p_{\text{rec}}/p_{\text{mc}}$  correlation



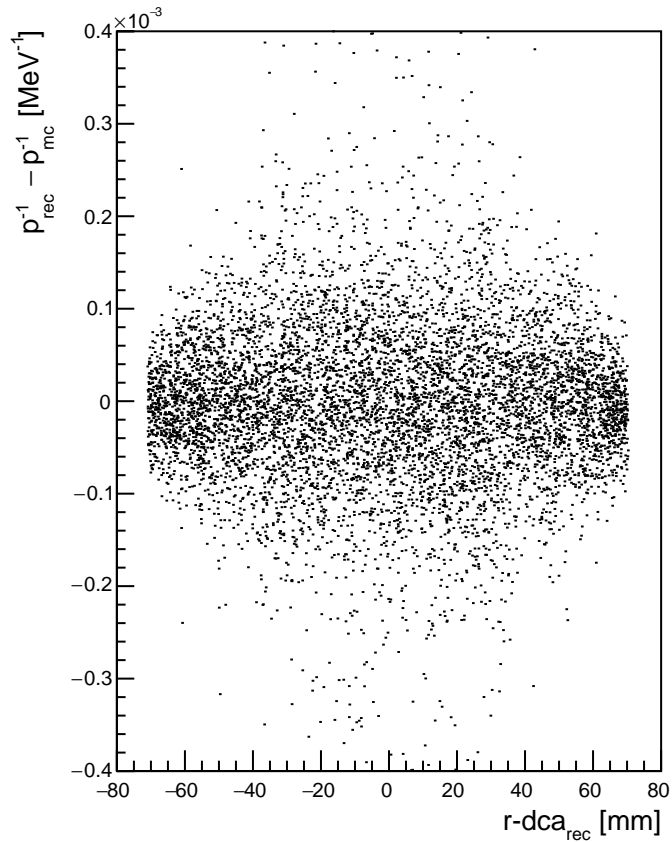
$p_{\text{rec}}$  over  $p_{\text{rec}}/p_{\text{mc}}$  correlation



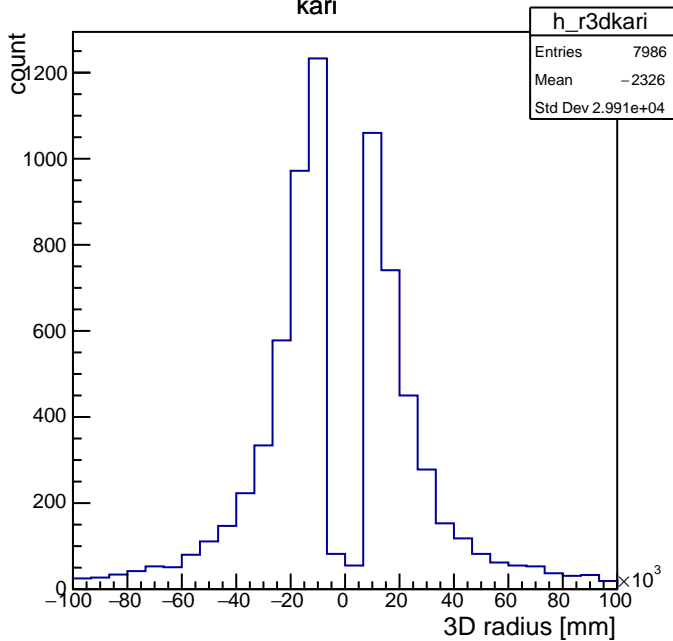
$p_{\text{rec}}^{-1} - p_{\text{mc}}^{-1}$  over  $z\text{-dca}_{\text{rec}}$  correlation



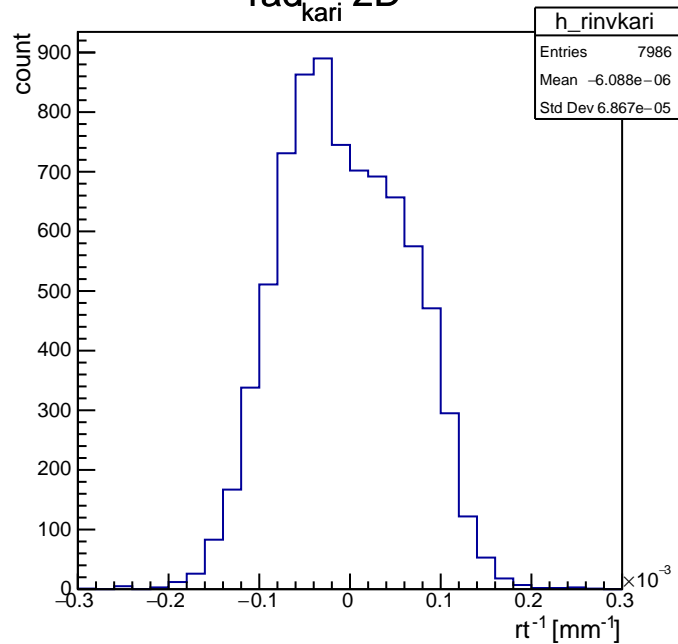
$p_{\text{rec}}^{-1} - p_{\text{mc}}^{-1}$  over  $r\text{-dca}_{\text{rec}}$  correlation



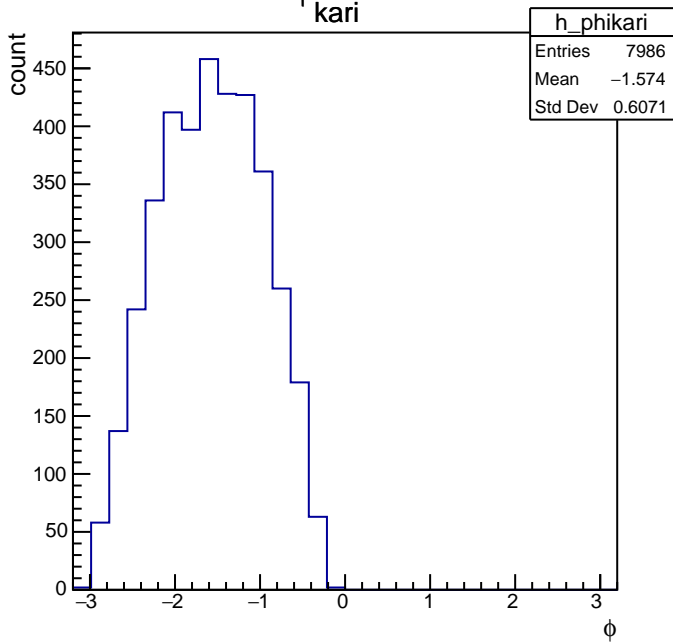
rad<sub>kari</sub> 3D



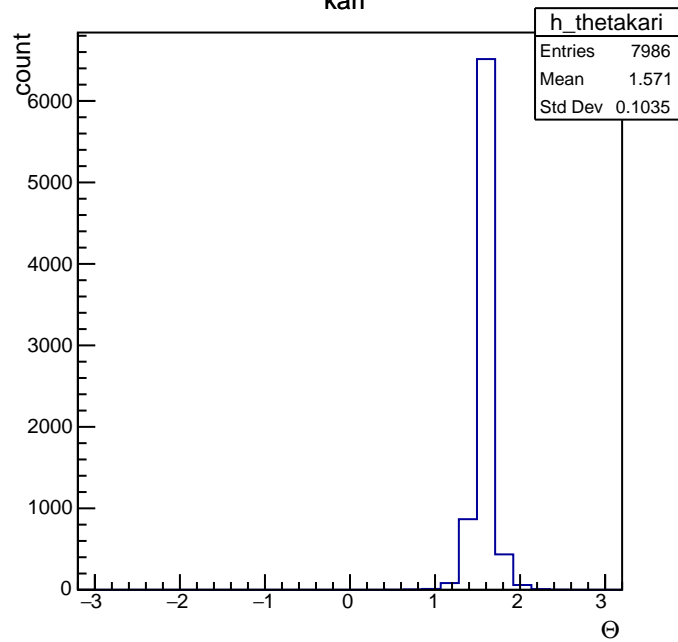
rad<sub>kari</sub><sup>-1</sup> 2D

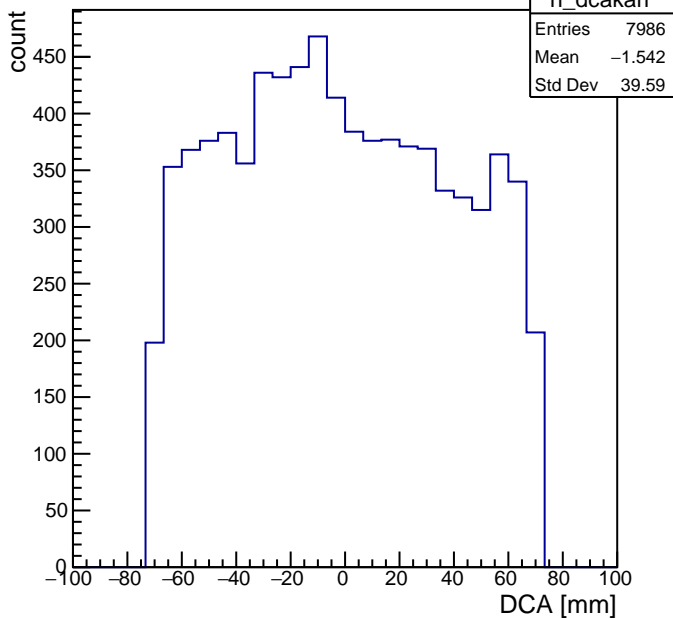
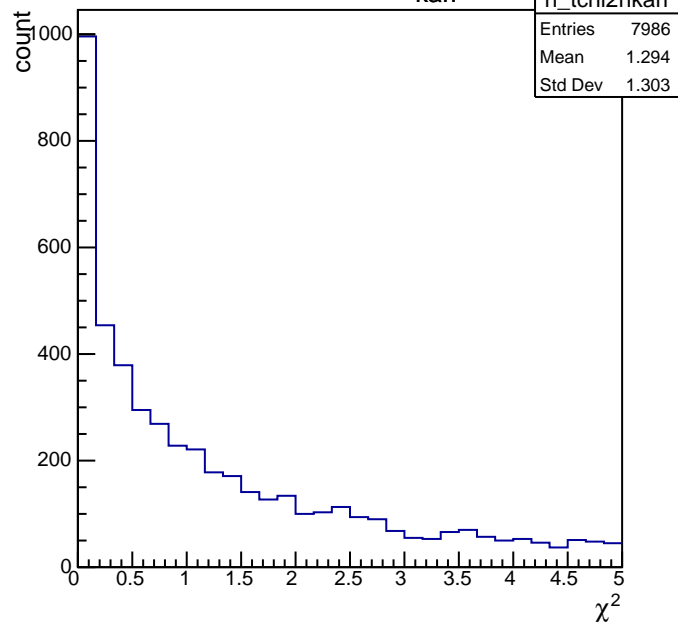
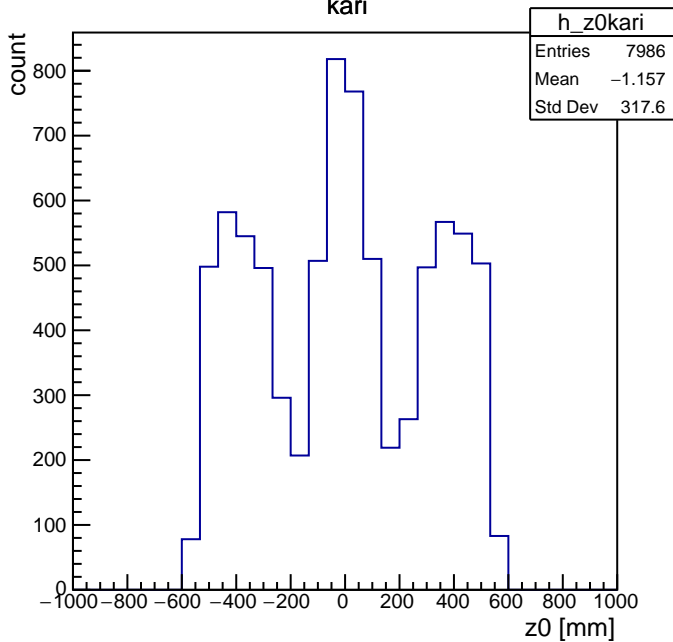
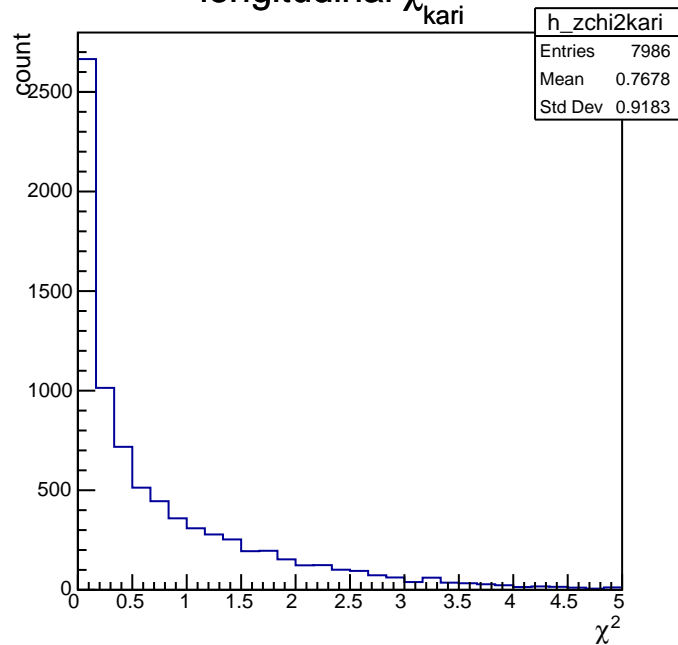


$\phi$ <sub>kari</sub>



$\Theta$ <sub>kari</sub>

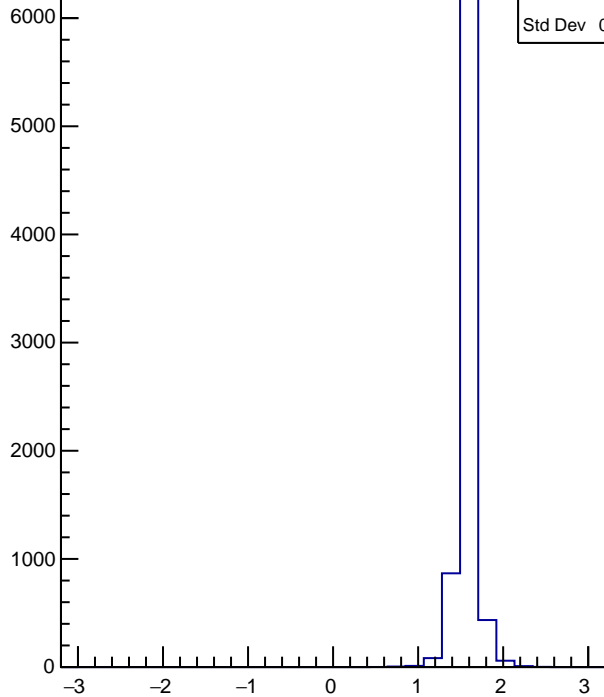


DCA<sub>kari</sub>transverse  $\chi^2_{\text{kari}}$ z0<sub>kari</sub>longitudinal  $\chi^2_{\text{kari}}$ 

$\Theta_{\text{kari}}$ 

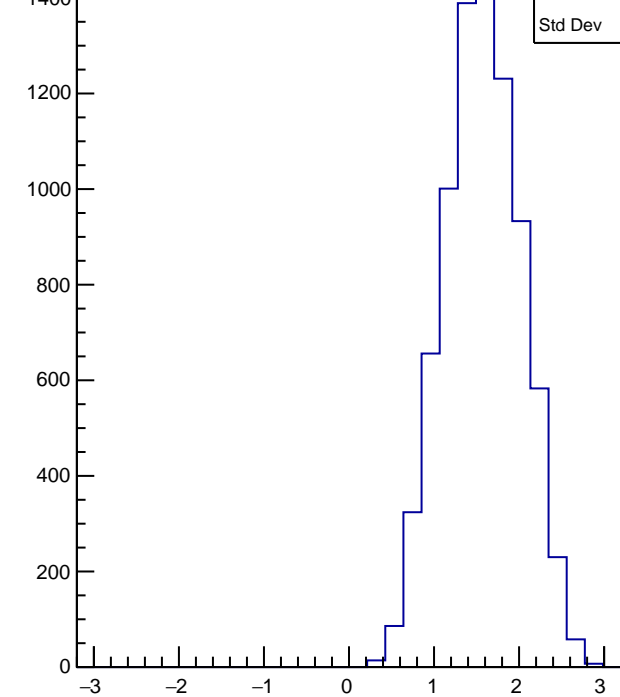
count

h_thetakari	
Entries	7986
Mean	1.571
Std Dev	0.1035

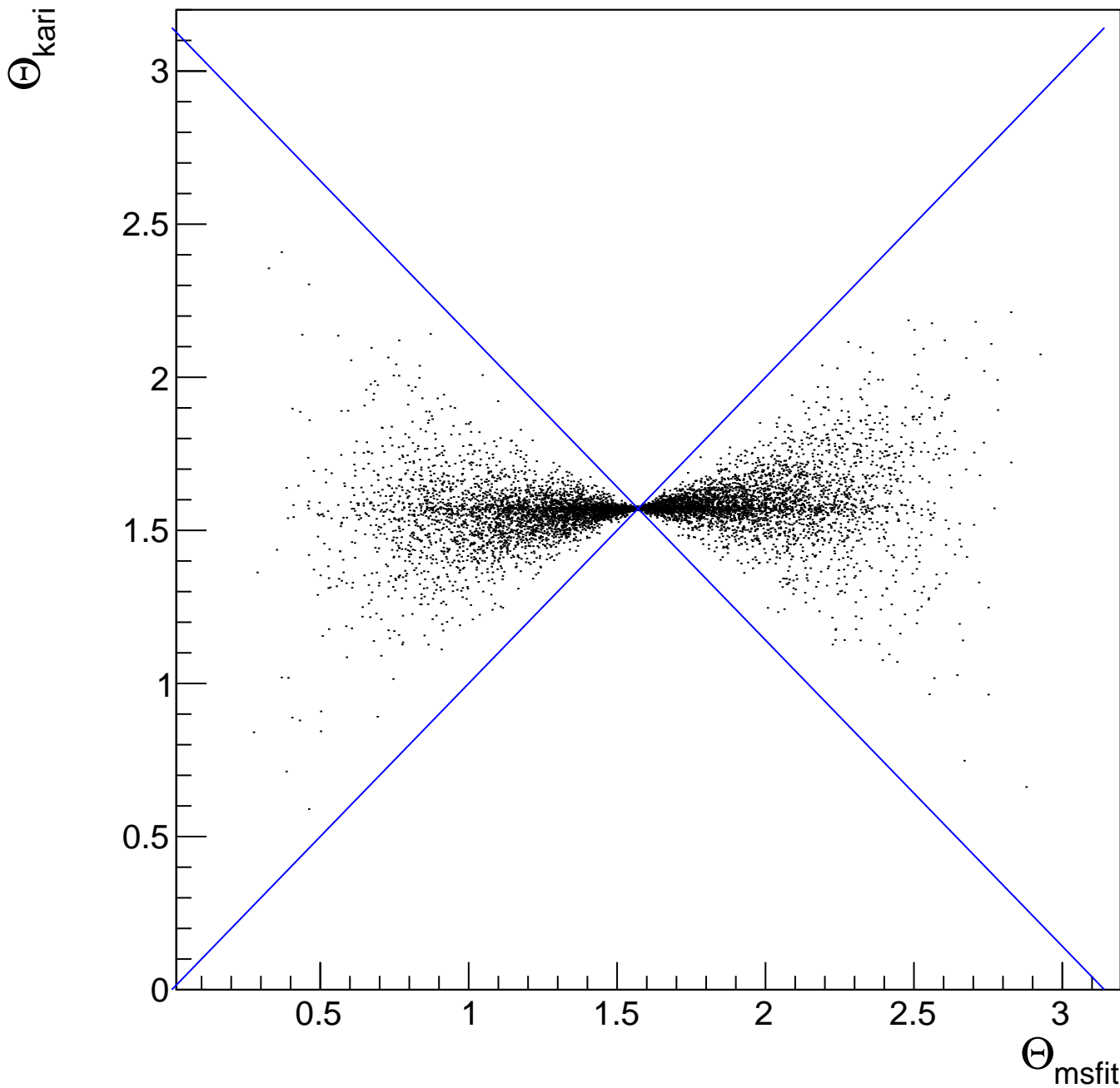
 $\Theta$ reconstruction  $\Theta_{\text{msfit}}$ 

count

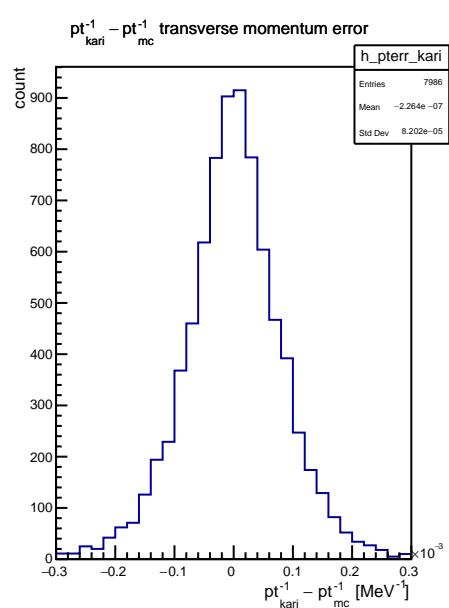
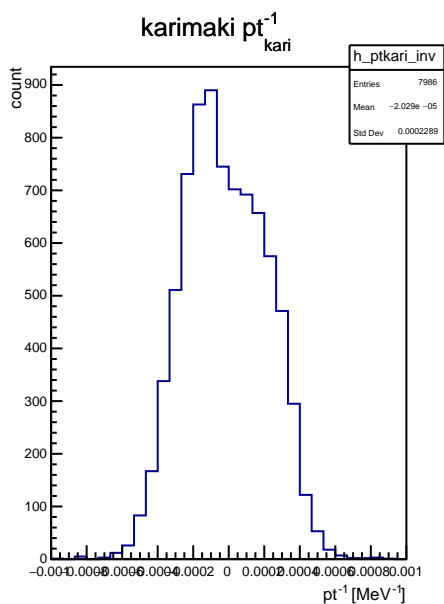
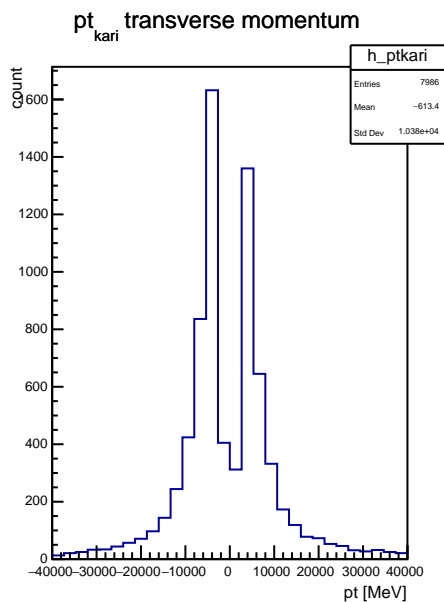
h_theta	
Entries	7986
Mean	1.571
Std Dev	0.441

 $\Theta_{\text{msfit}}$

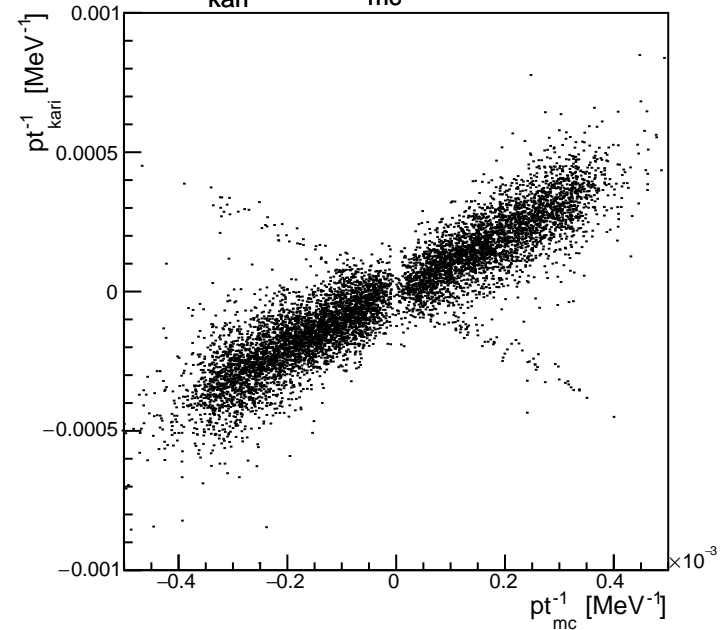
# $\Theta_{\text{kari}}$ vs $\Theta_{\text{msfit}}$ correlation



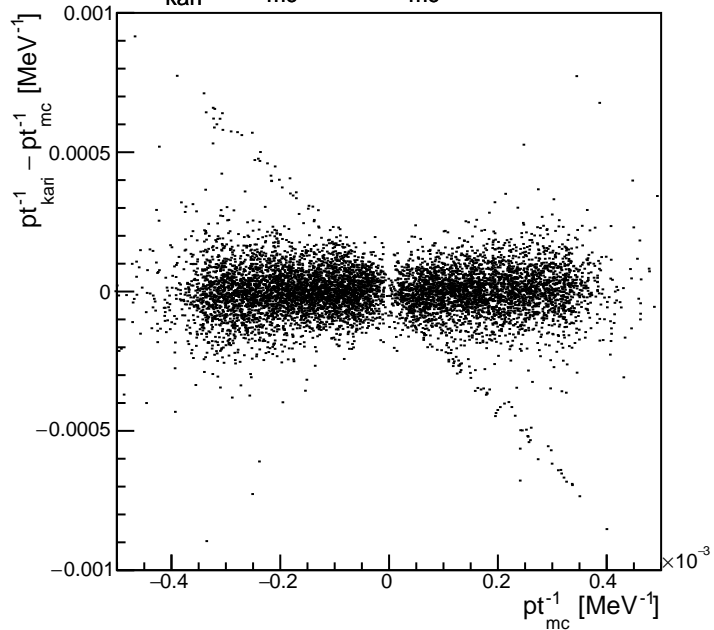




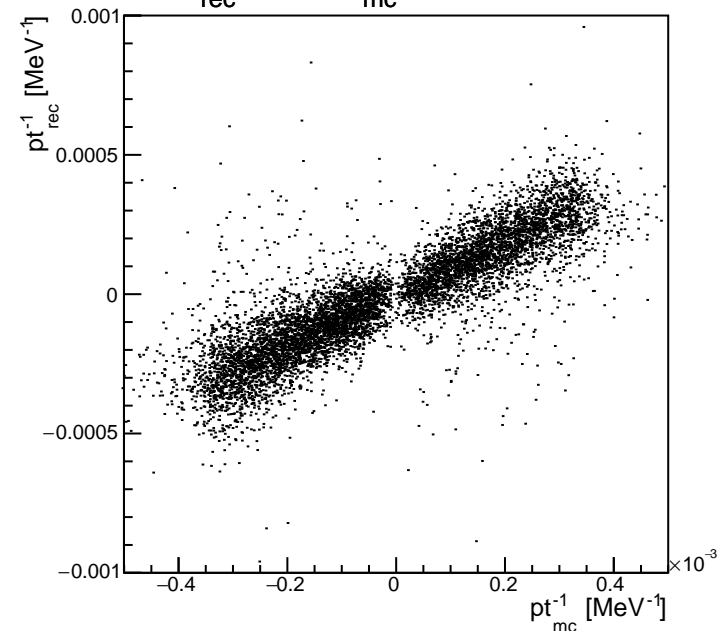
$pt_{\text{kari}}^{-1}$  over  $pt_{\text{mc}}^{-1}$  correlation



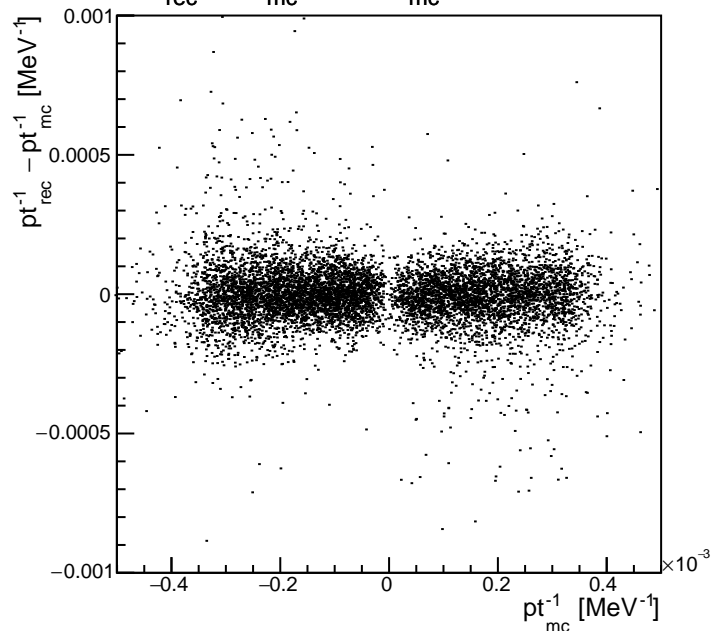
$pt_{\text{kari}}^{-1} - pt_{\text{mc}}^{-1}$  over  $pt_{\text{mc}}^{-1}$  correlation



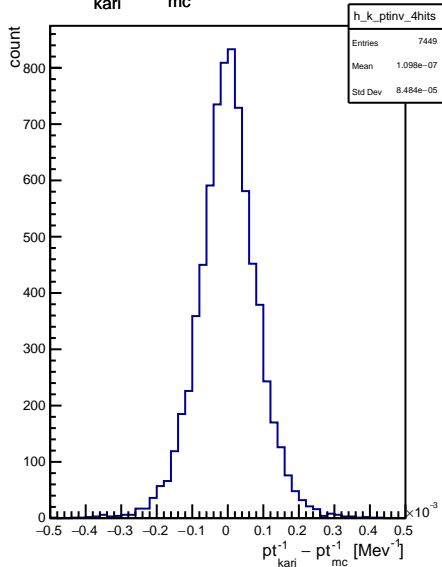
$pt_{\text{rec}}^{-1}$  over  $pt_{\text{mc}}^{-1}$  correlation



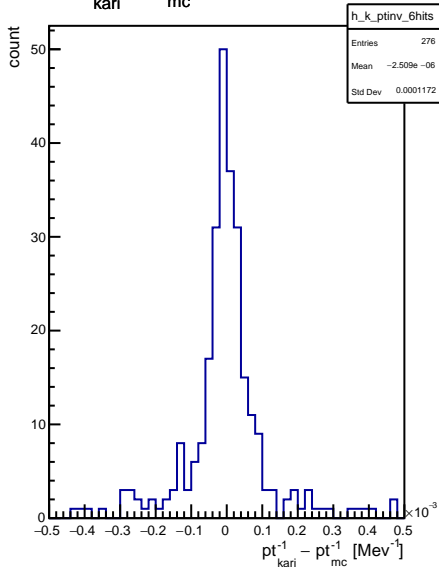
$pt_{\text{rec}}^{-1} - pt_{\text{mc}}^{-1}$  over  $pt_{\text{mc}}^{-1}$  correlation



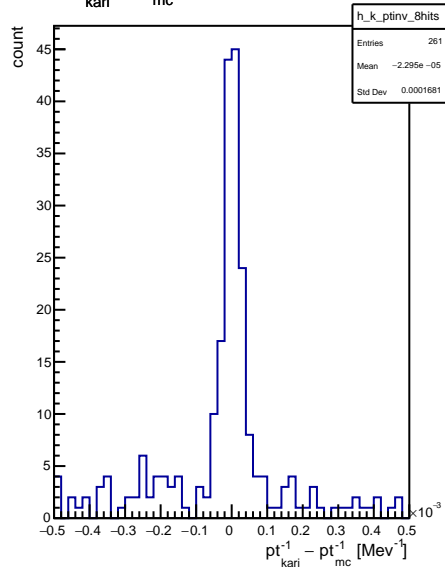
$pt_{kari}^{-1} - pt_{mc}^{-1}$  for 4 and 5 hits

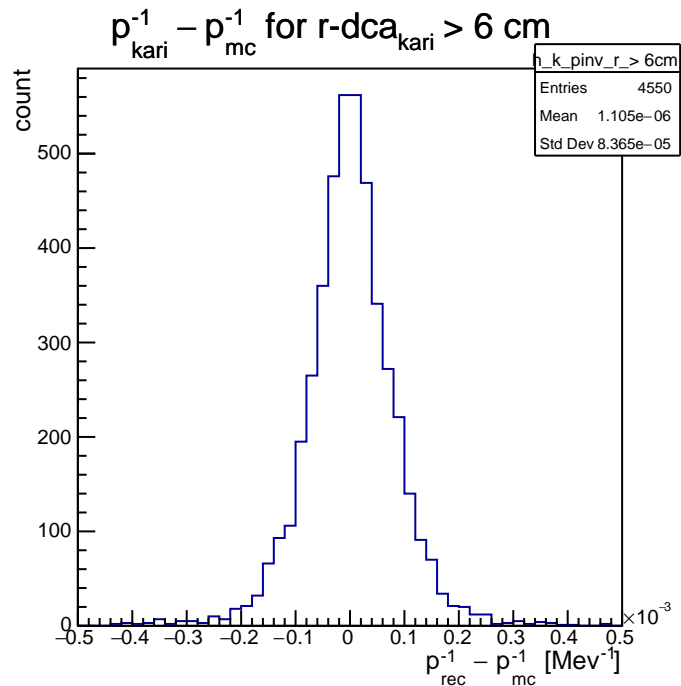
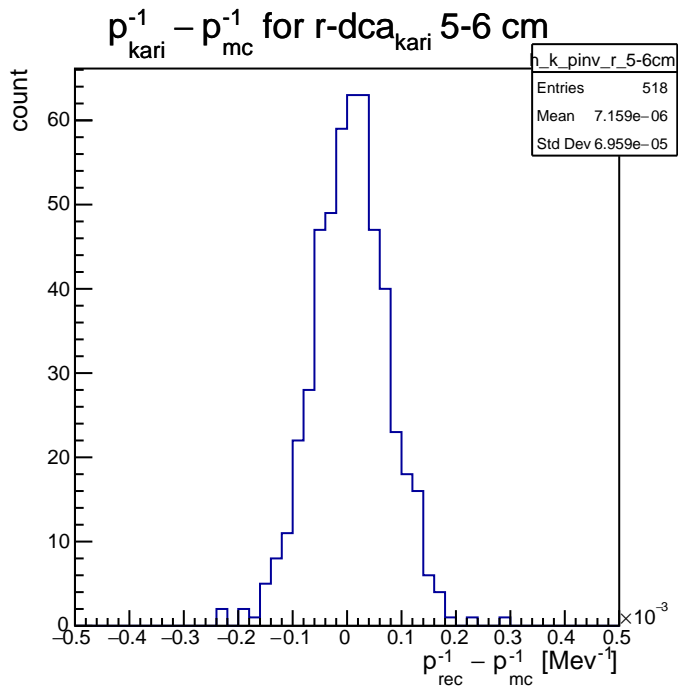
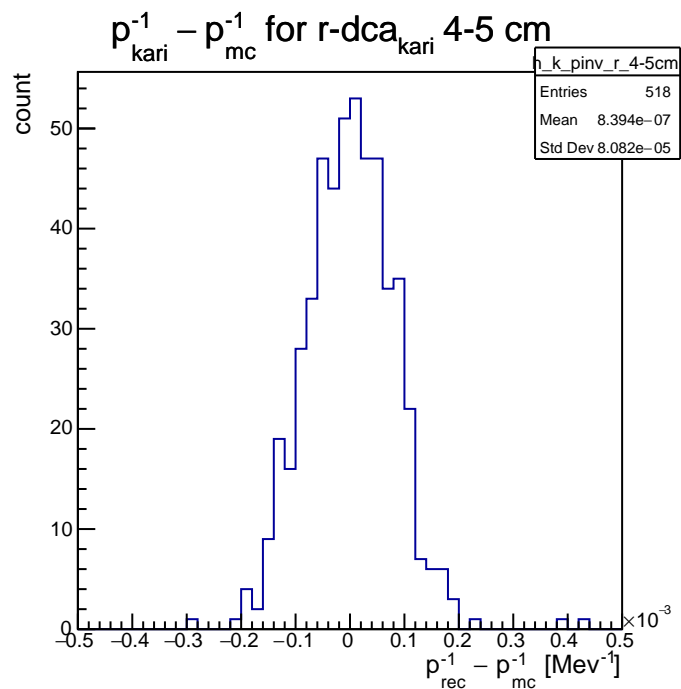
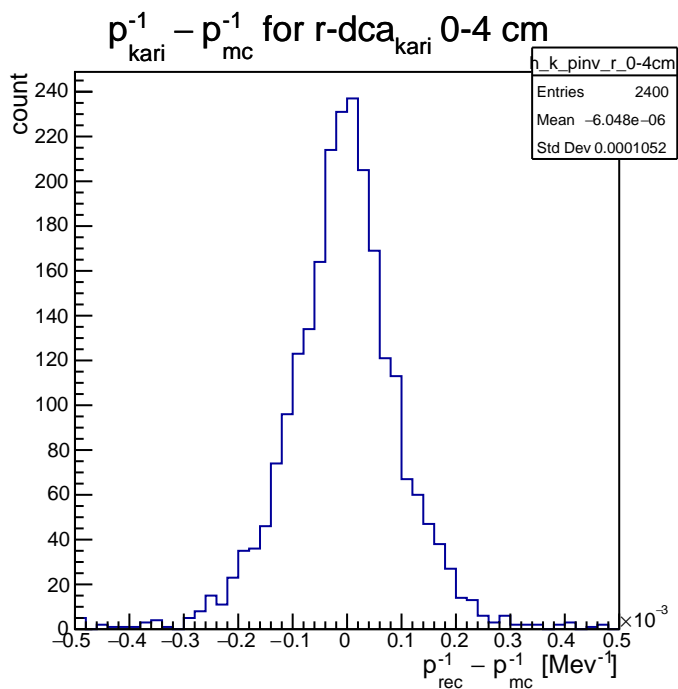


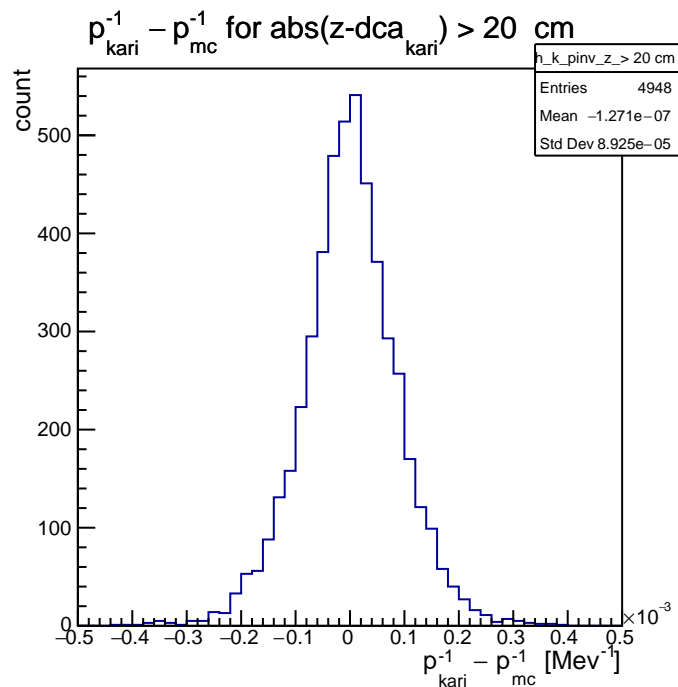
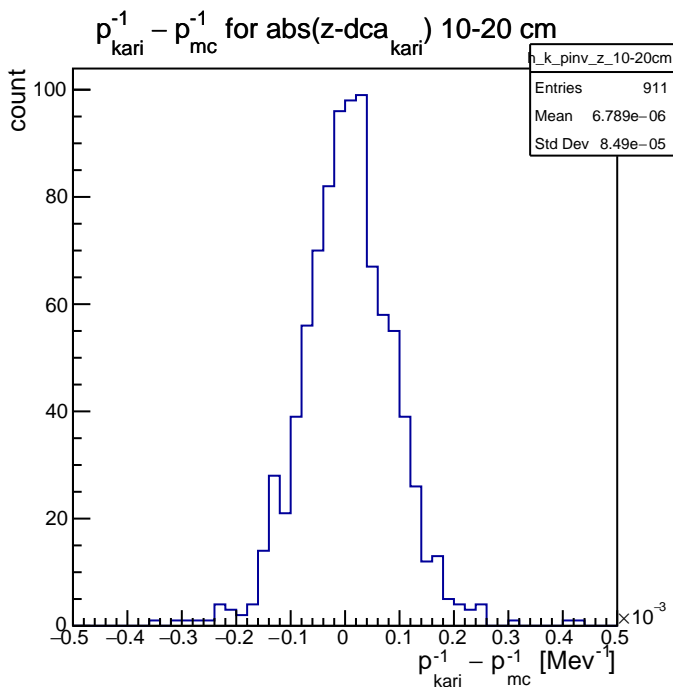
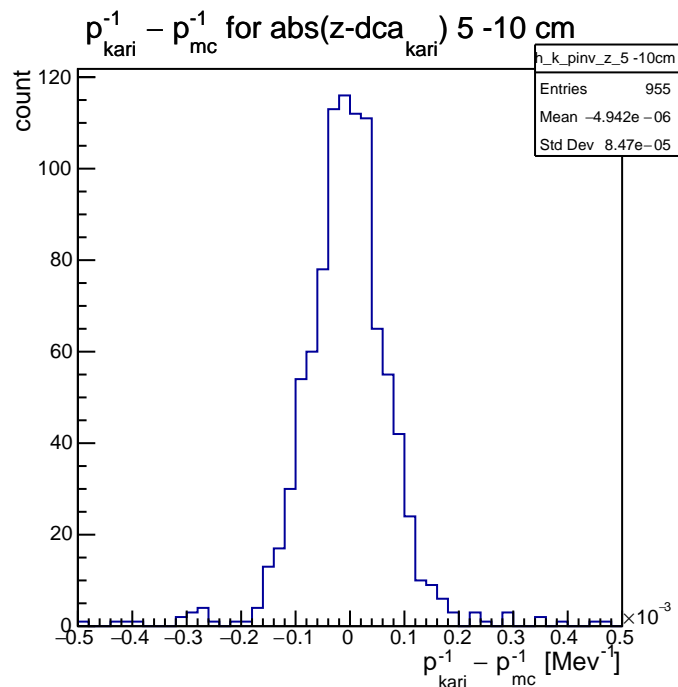
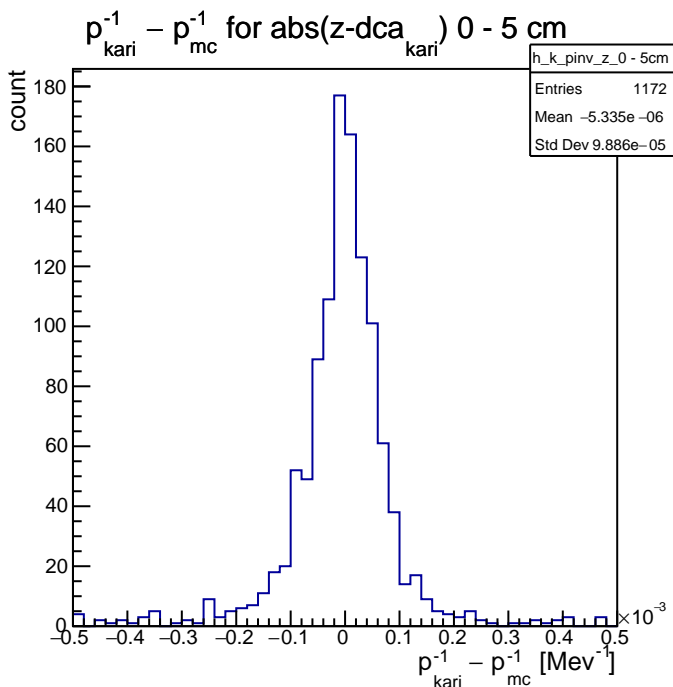
$pt_{kari}^{-1} - pt_{mc}^{-1}$  for 6 and 7 hits



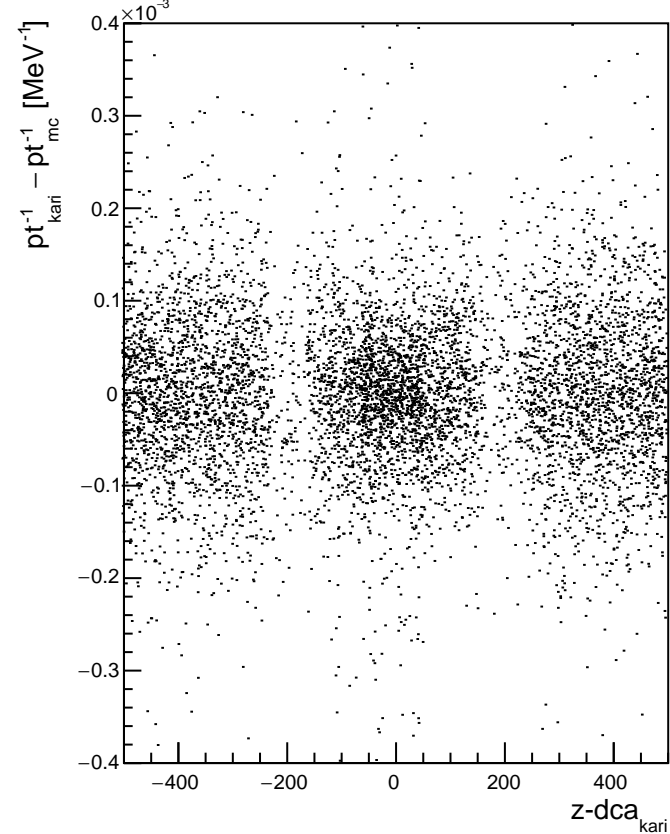
$pt_{kari}^{-1} - pt_{mc}^{-1}$  for 8 and more hits



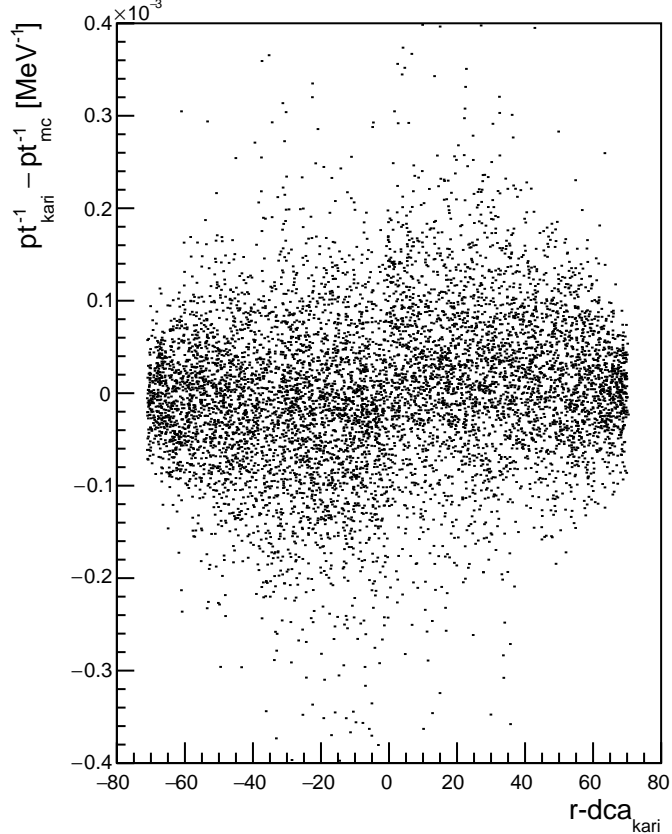




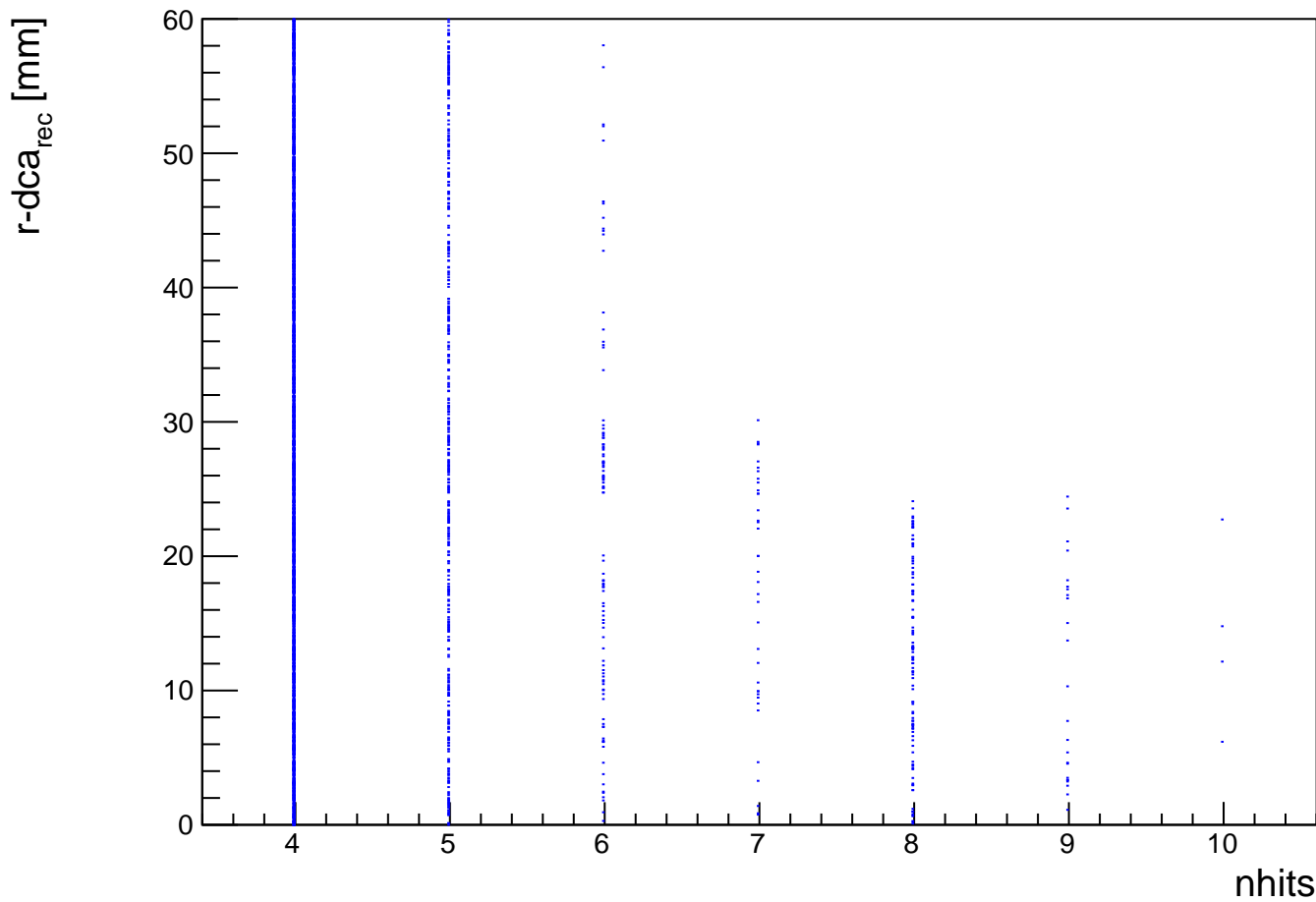
$pt_{\text{kari}}^{-1} - pt_{\text{mc}}^{-1}$  over  $z\text{-dca}_{\text{kari}}$  correlation



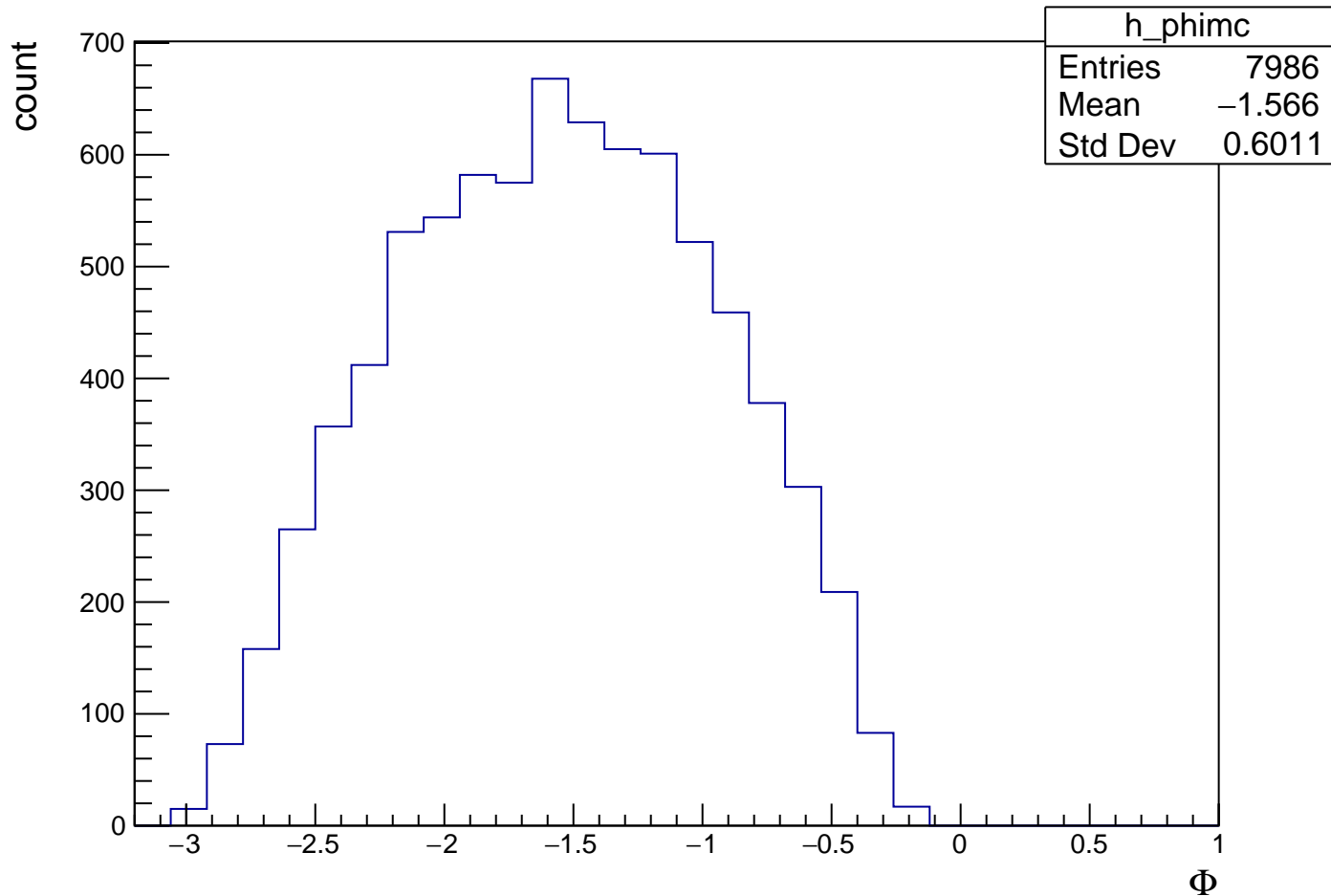
$pt_{\text{kari}}^{-1} - pt_{\text{mc}}^{-1}$  over  $r\text{-dca}_{\text{kari}}$  correlation



# nhits over $r\text{-dca}_{\text{rec}}$ correlation



# $\Phi$ monte carlo (charge corrected)





$p_{\text{rec}}^{-1} - p_{\text{mc}}^{-1}$  deviation

$p_{\text{rec}}^{-1}$ reconstruction error	
Entries	7986
Mean	$-1.874\text{e-}06$
Std Dev	$7.985\text{e-}05$

count

