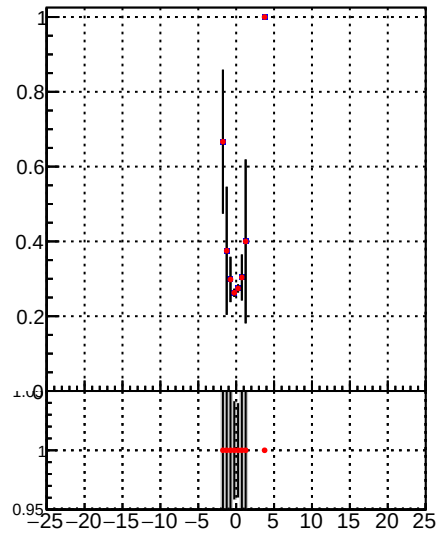
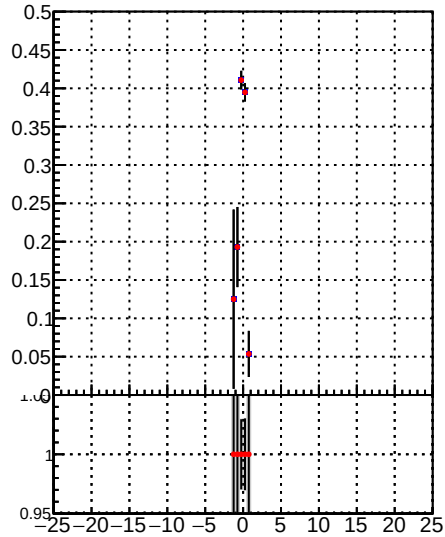
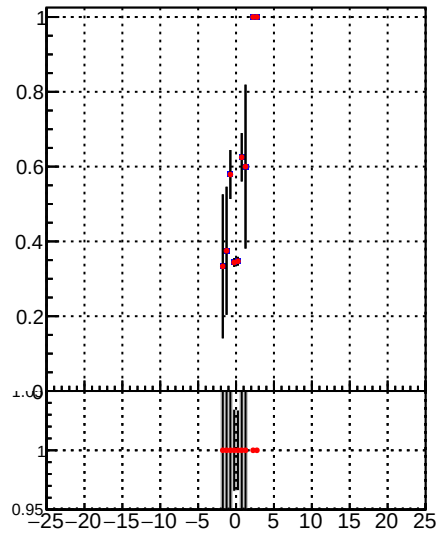


Fake rate vs  $\Delta y$ Duplicates Rate vs  $\Delta y$ Pileup rate vs  $\Delta y$ Fake rate vs  $\Delta$ 

Legend:  
 -  $\Delta$  TT mkFit- $\Delta$ Q (black line with blue dots)  
 -  $\Delta$  TT mkFit- $\Delta$ Q adjusted (red line with red dots)

