

# Compton run Data Analysis

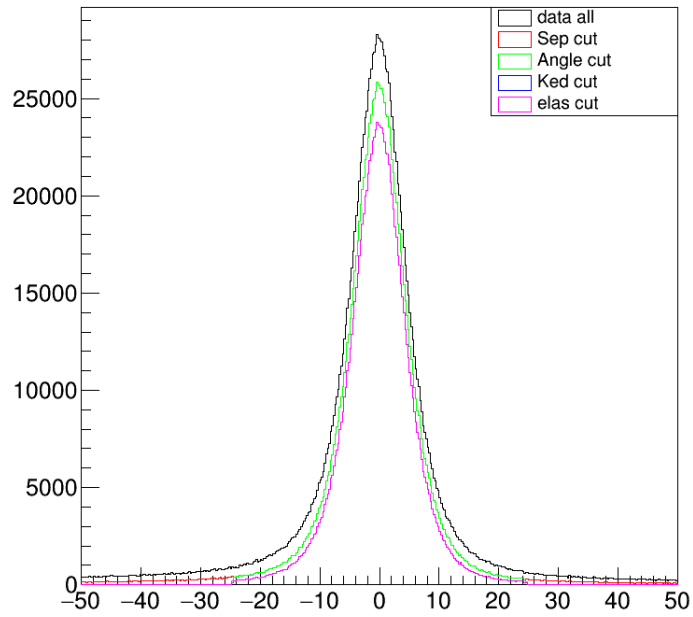
## PrimeX-II weekly meeting

Li Ye

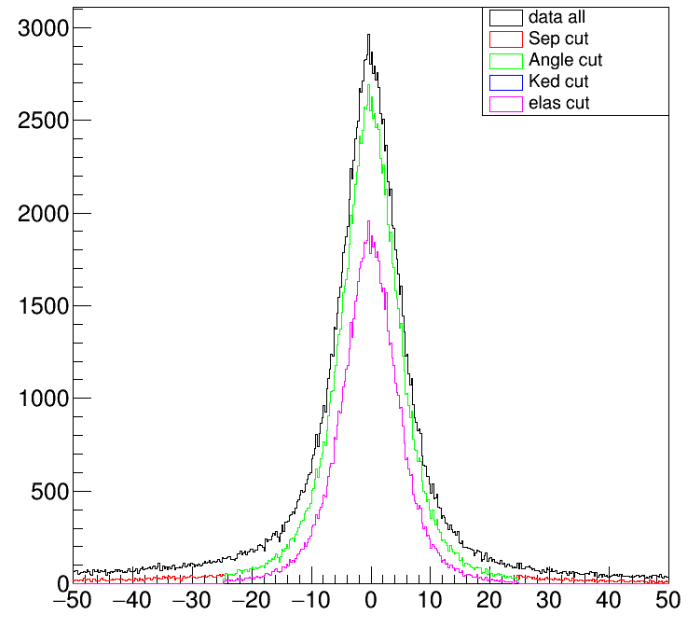
Mississippi State University

2017-02-17

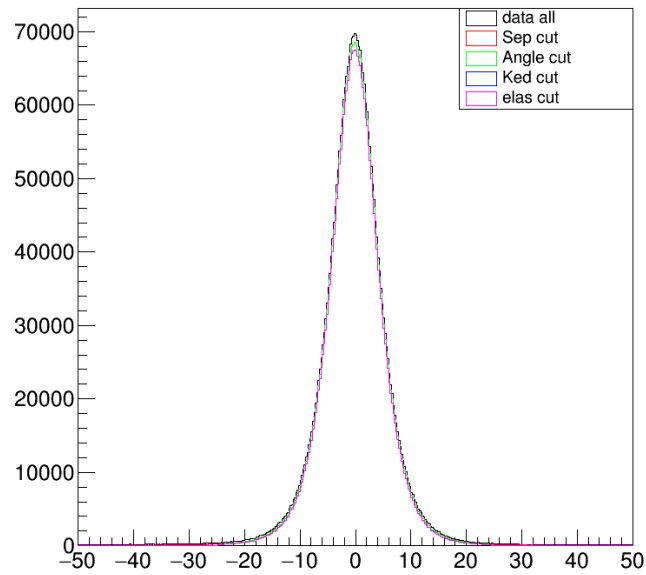
angle (data)



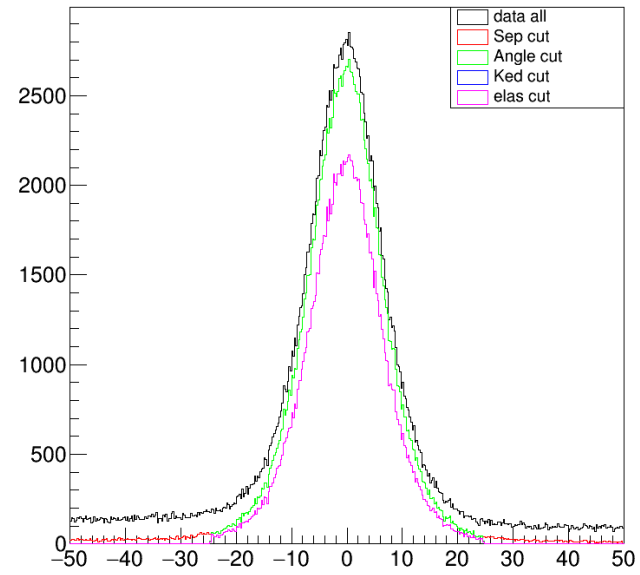
angle (acci)



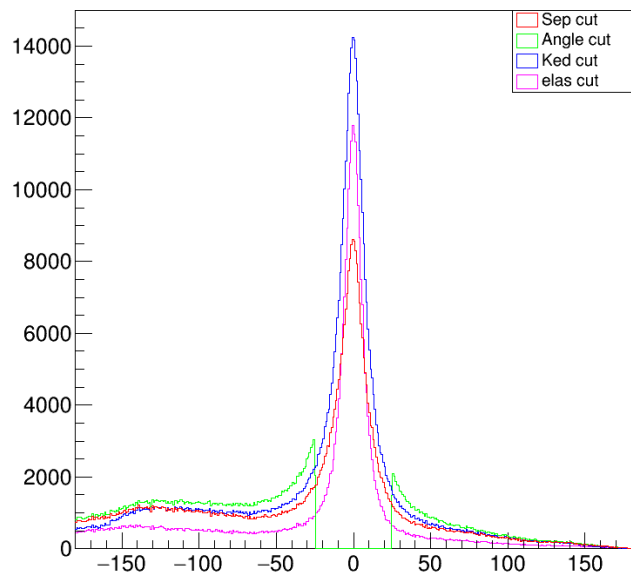
angle (comp)



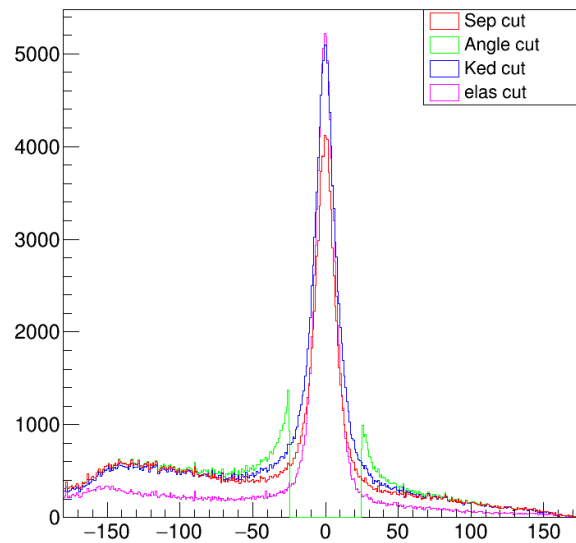
angle (pair)



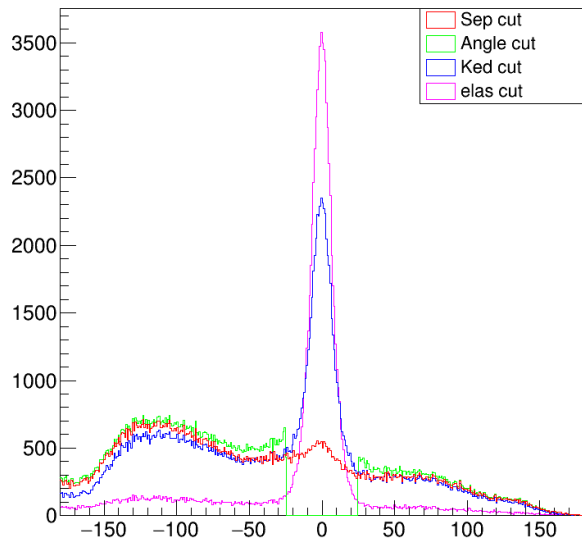
out\_angle (data)



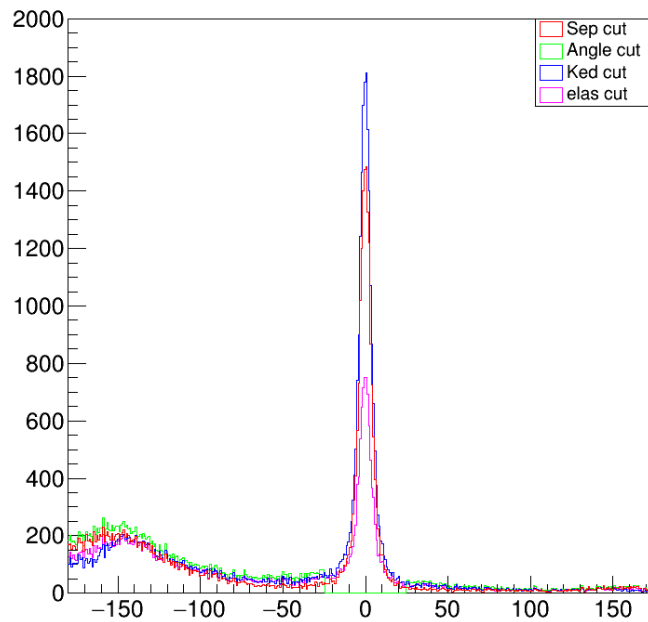
out\_angle (comp)



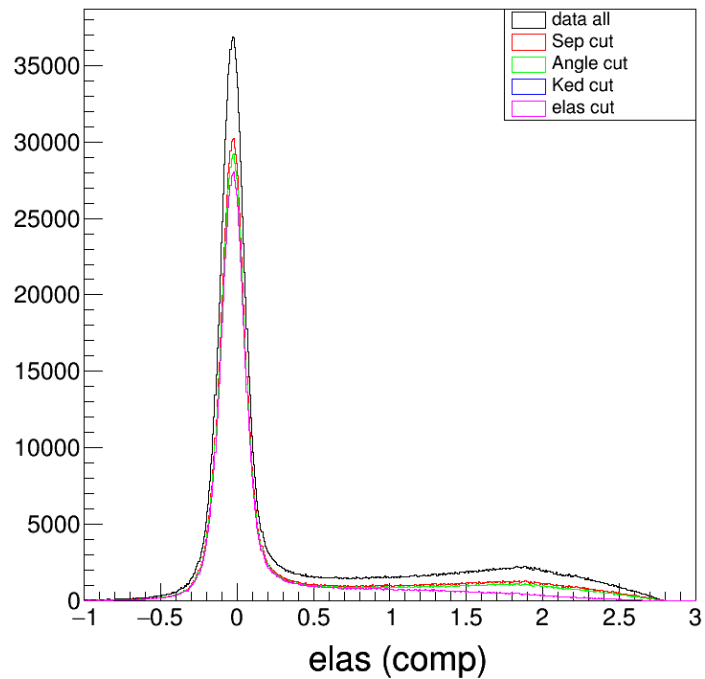
out\_angle (pair)



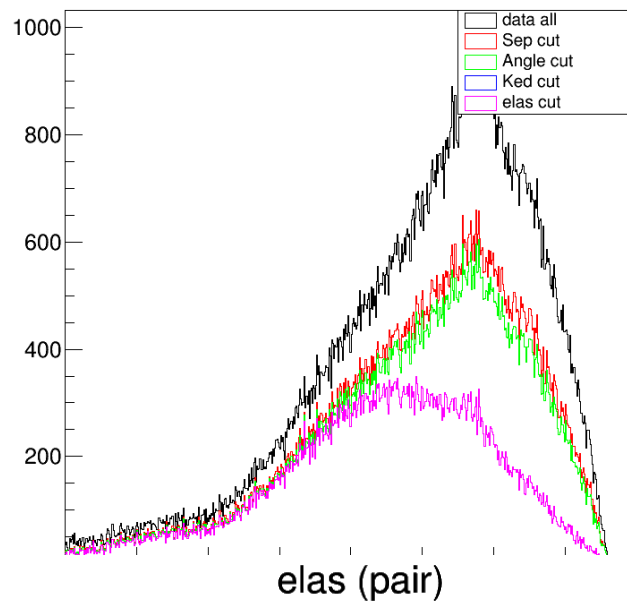
out\_angle (empty)



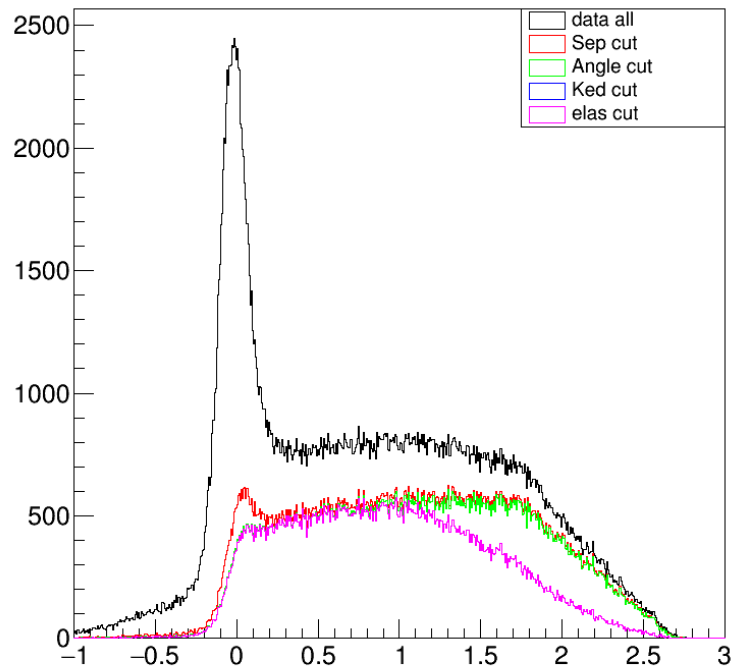
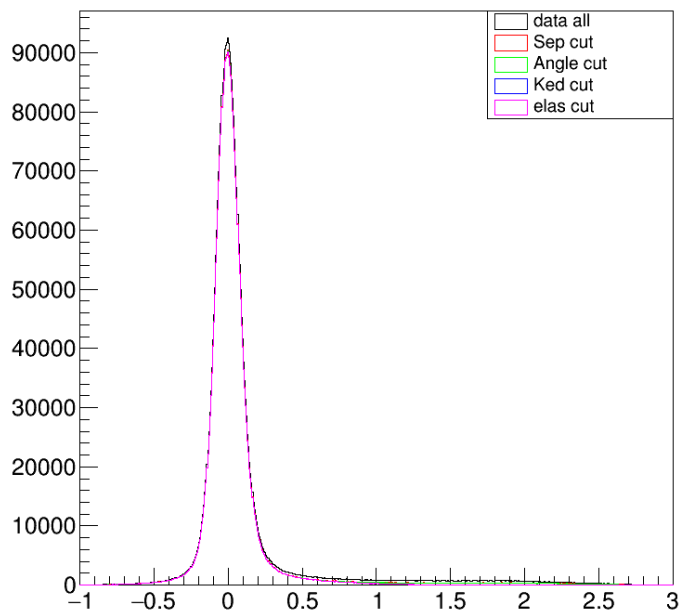
elas (data)



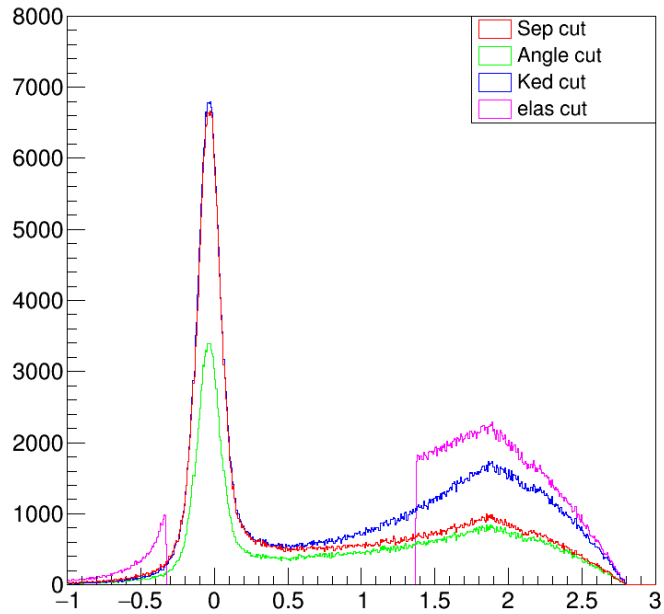
elas (acci)



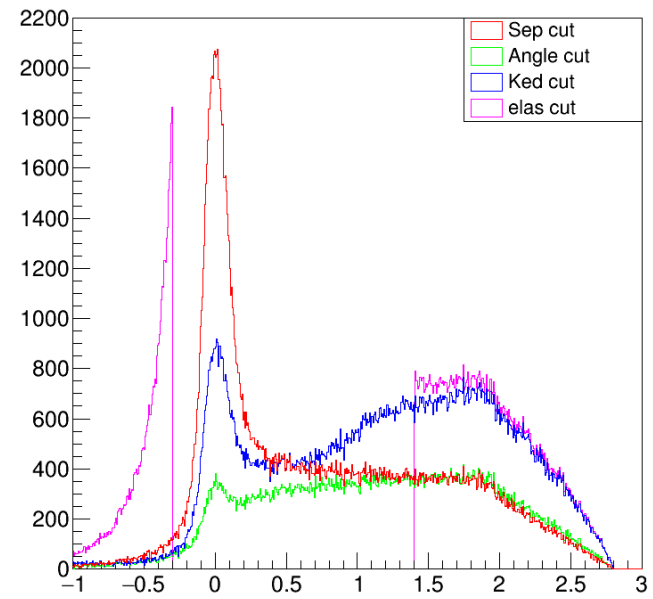
elas (comp)



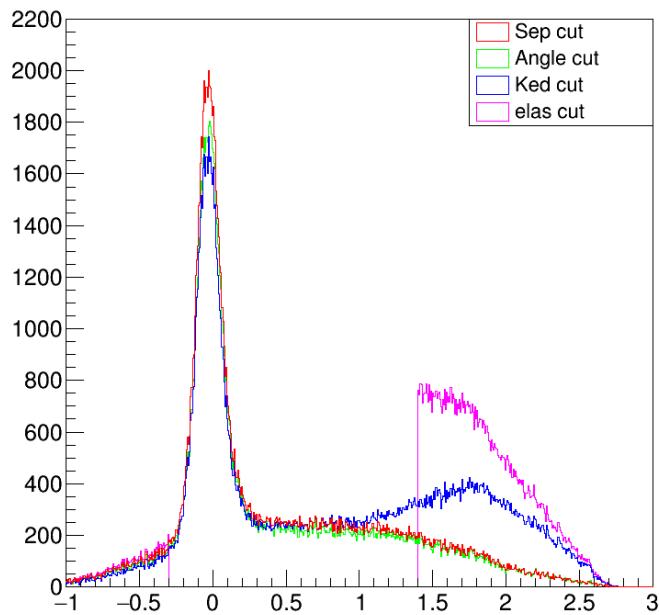
out\_elas (data)



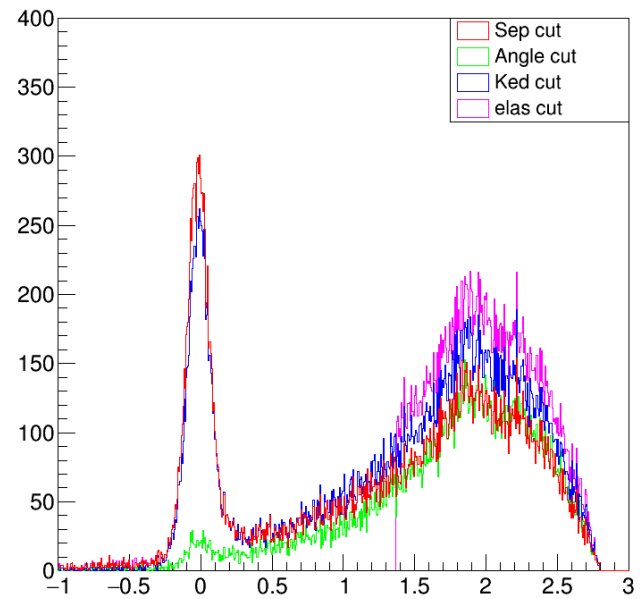
out\_elas (comp)



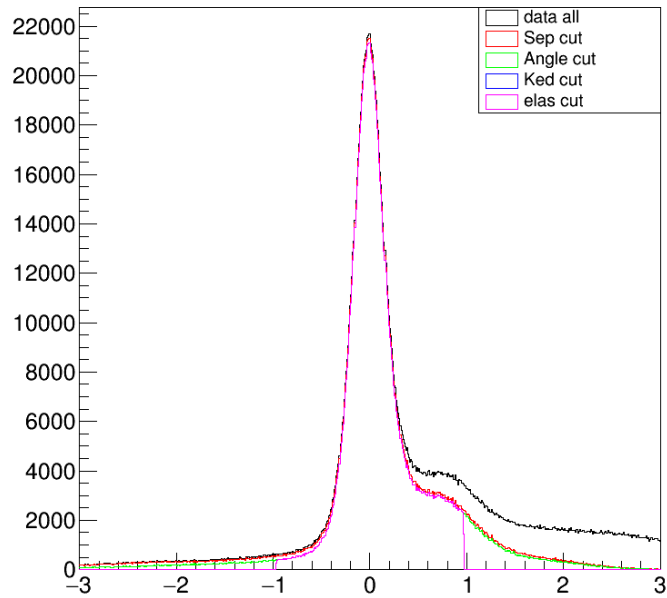
out\_elas (pair)



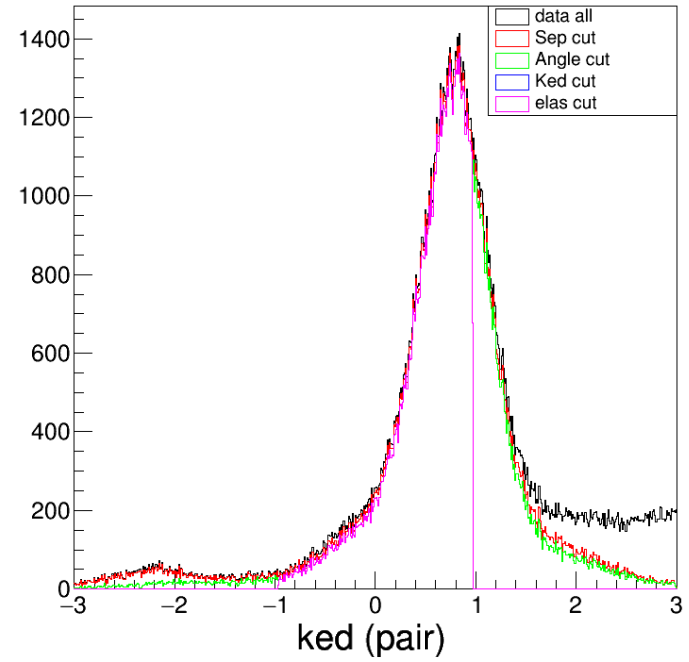
out\_elas (empty)



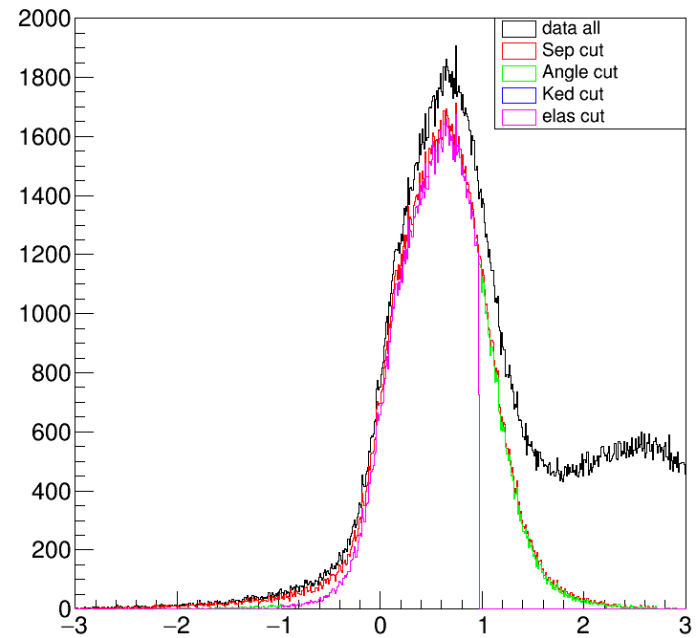
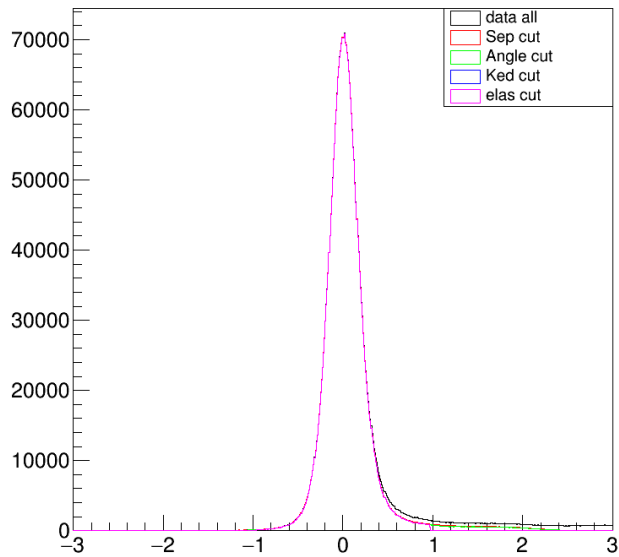
ked (data)



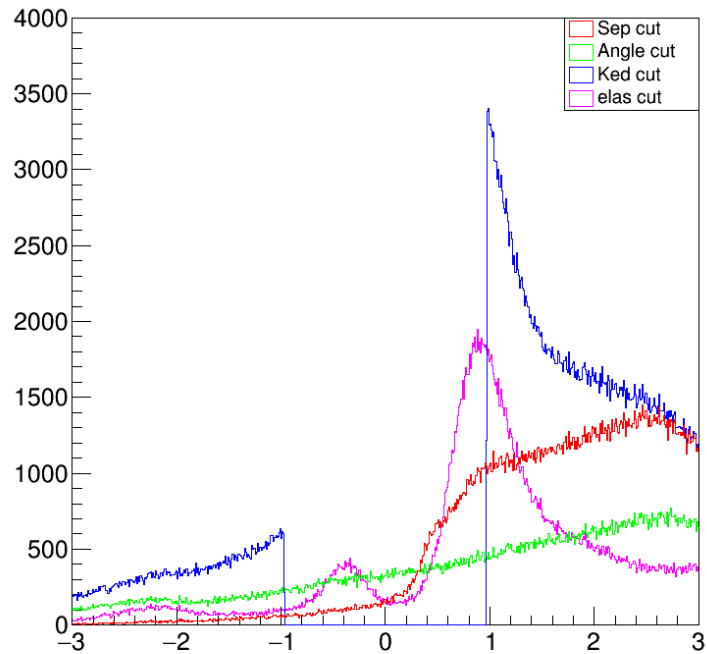
ked (acci)



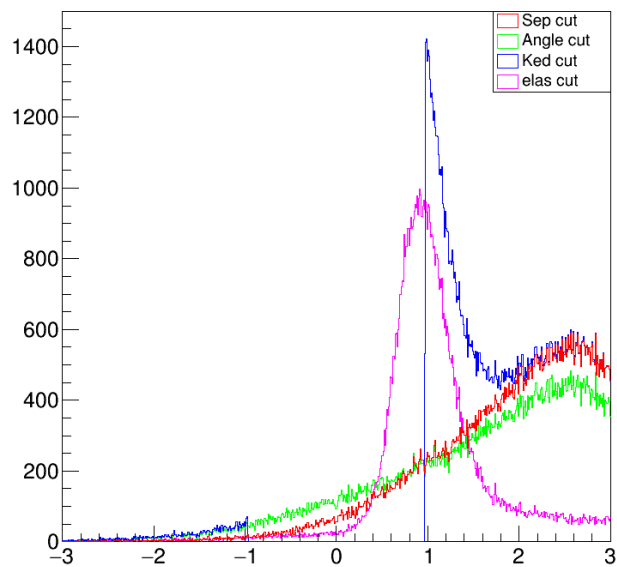
ked (comp)



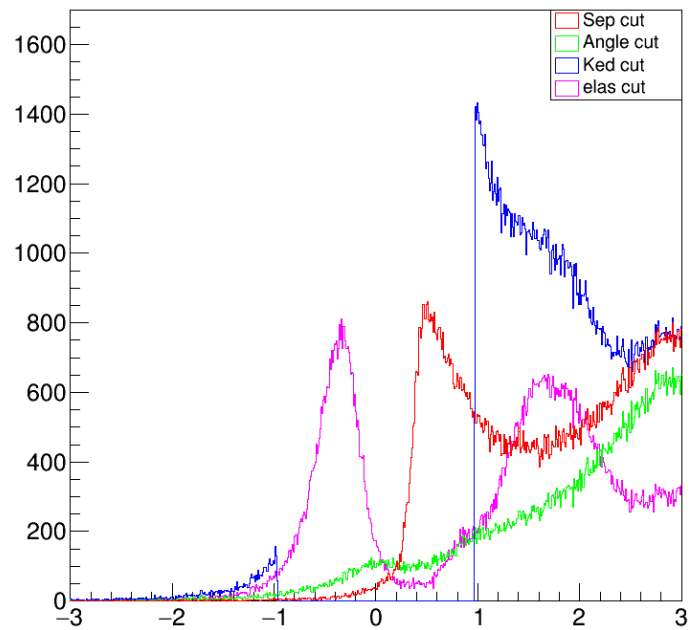
out\_ked (data)



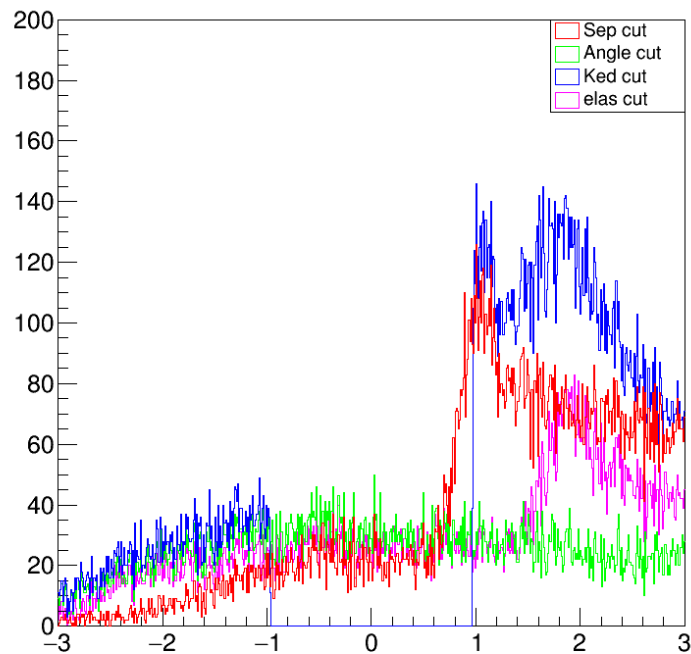
out\_ked (pair)



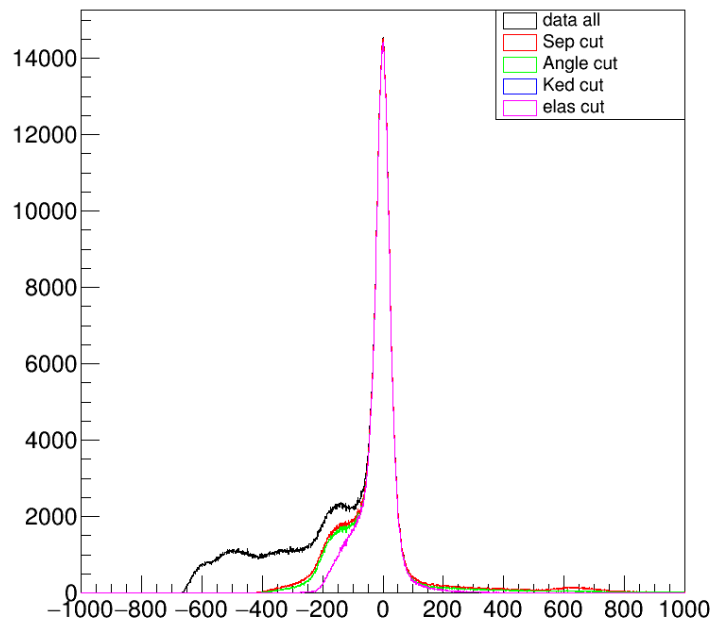
out\_ked (comp)



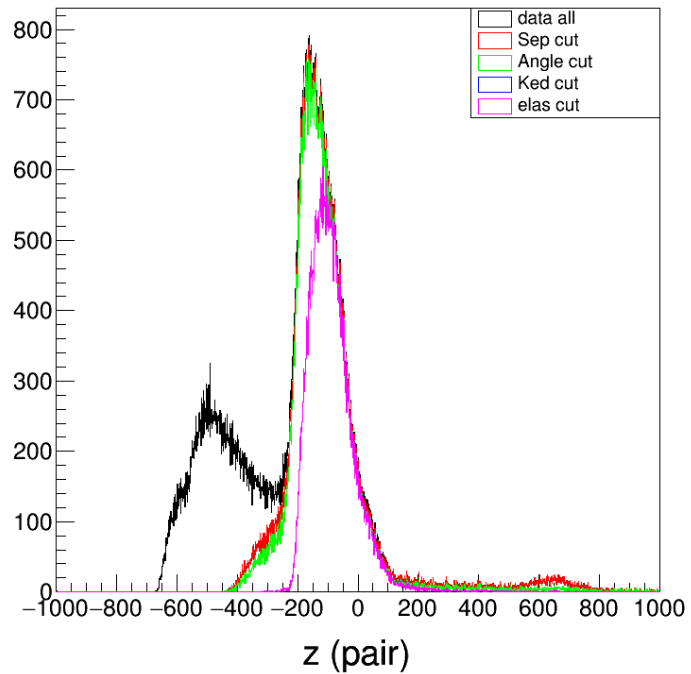
out\_ked (empty)



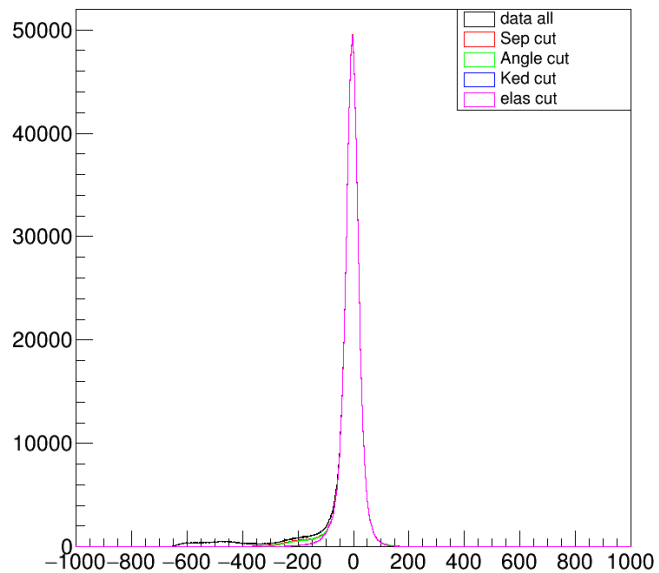
z (data)



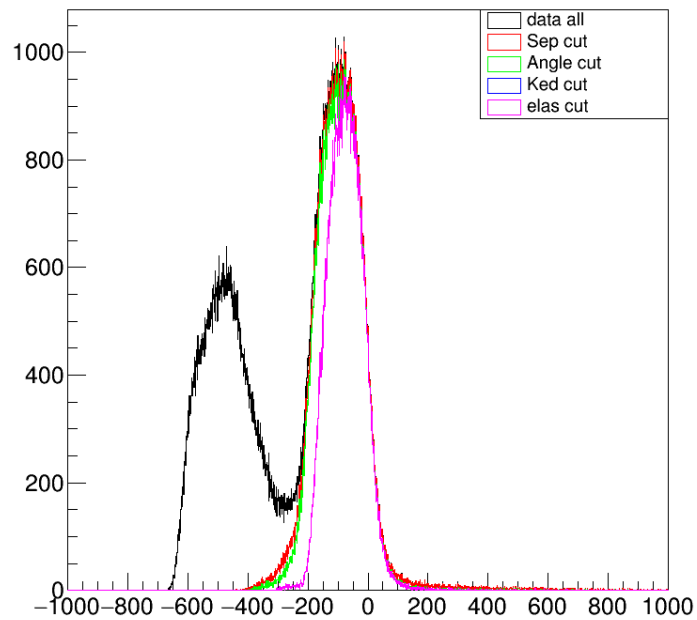
z (acci)



z (comp)

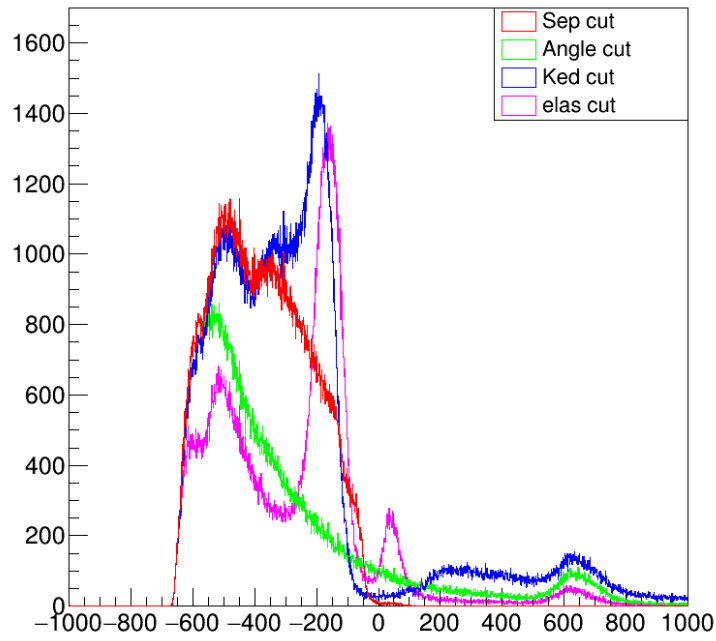


z (pair)

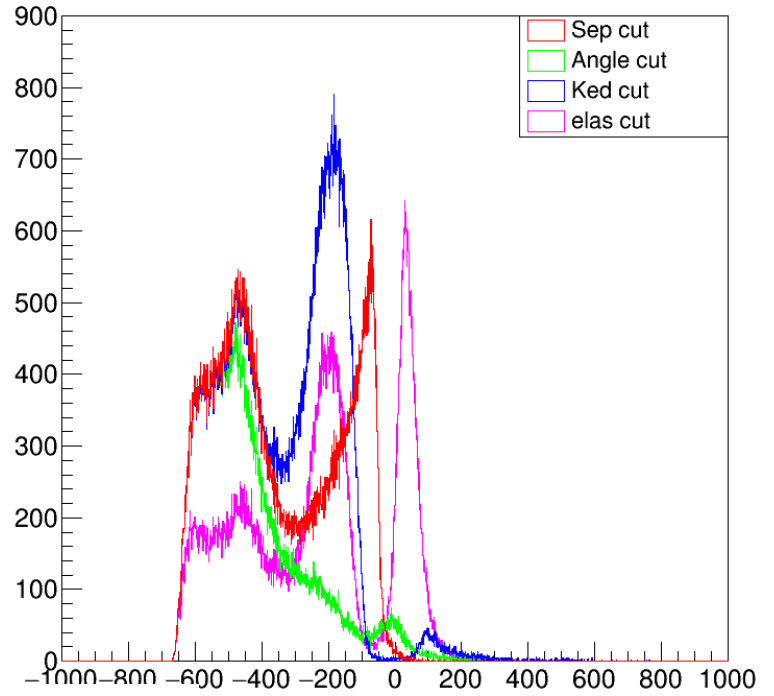




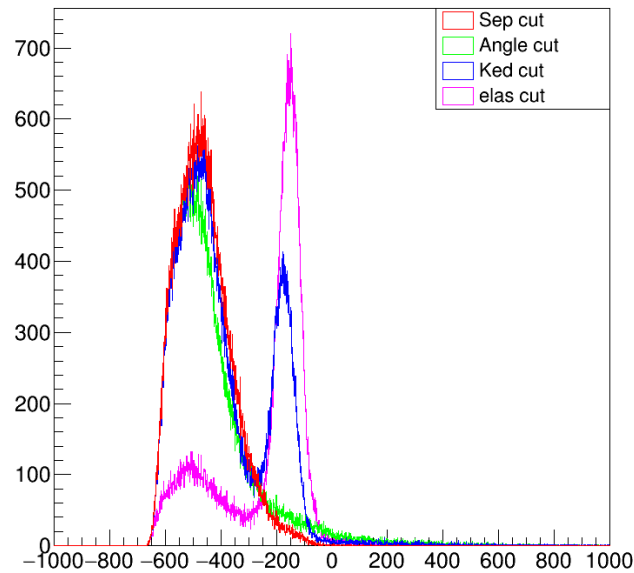
out\_z (data)



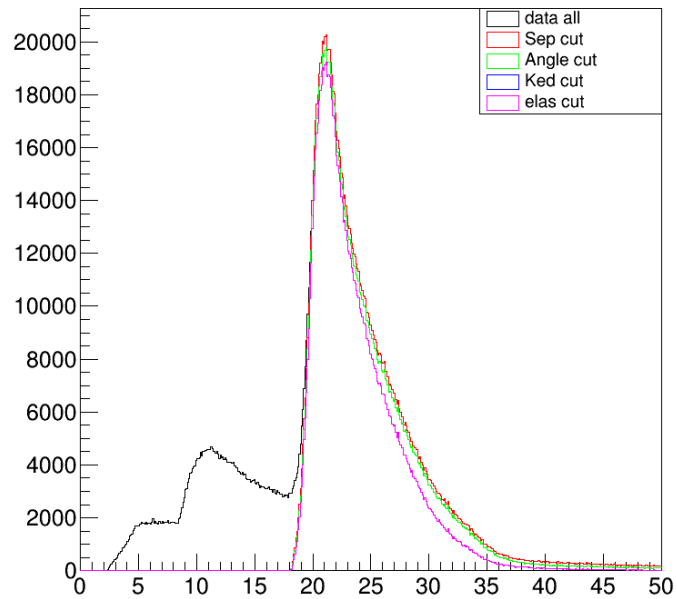
out\_z (comp)



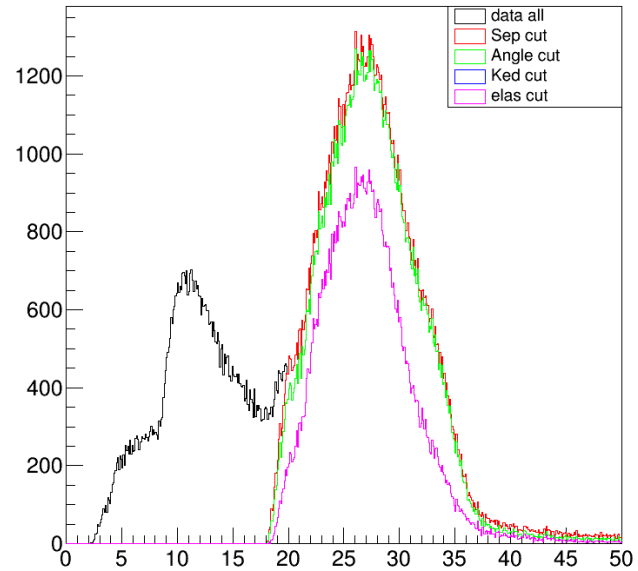
out\_z (pair)



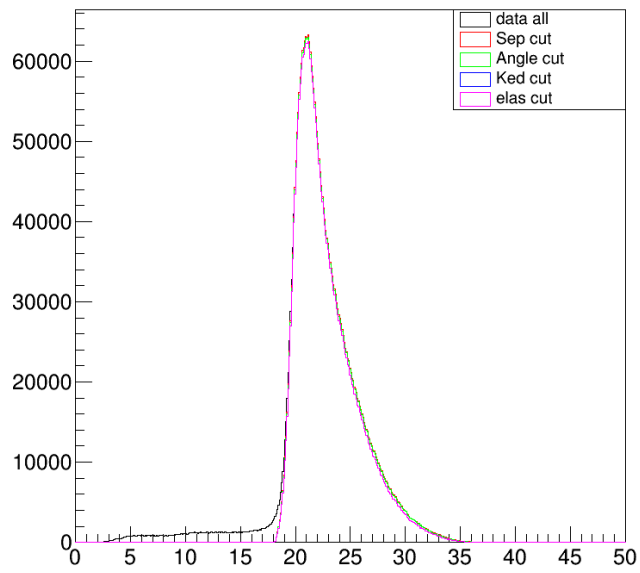
sep (data)



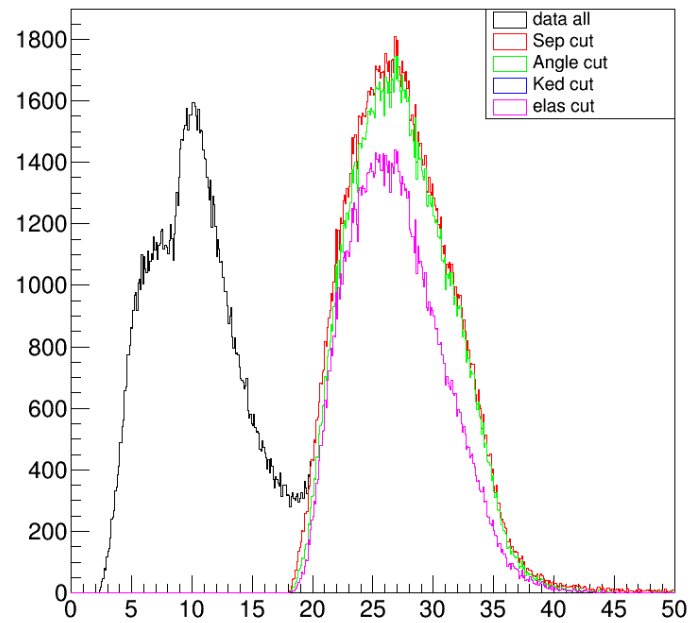
sep (acci)



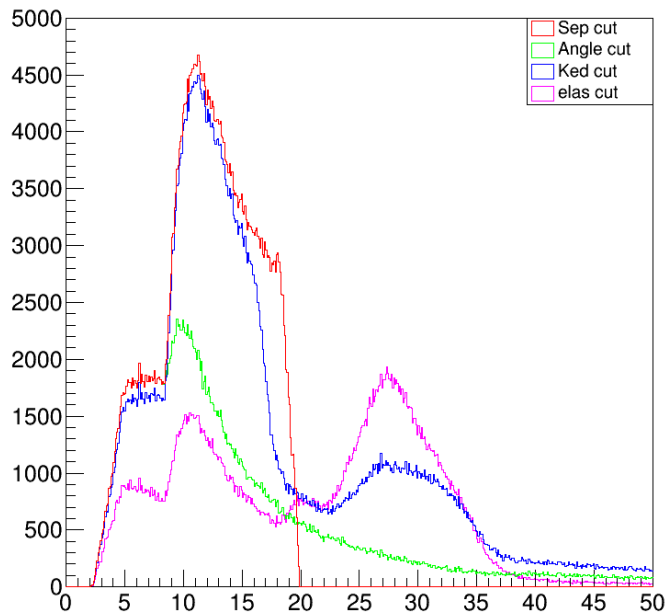
sep (comp)



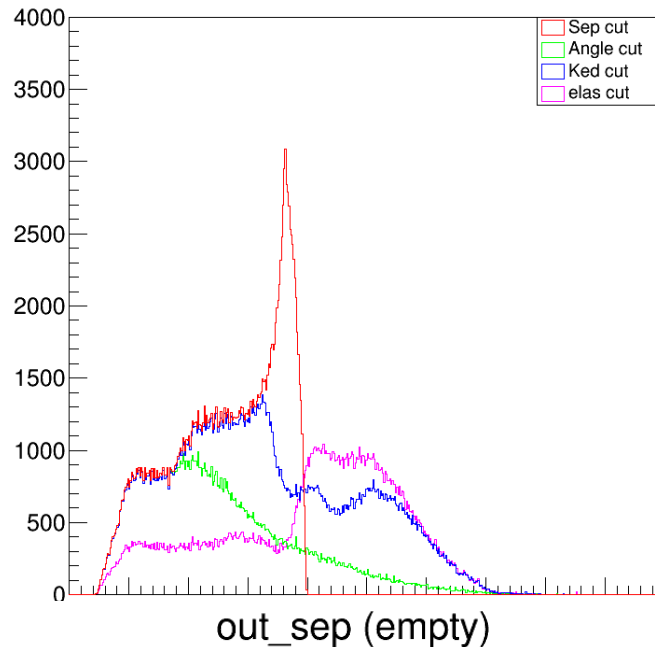
sep (pair)



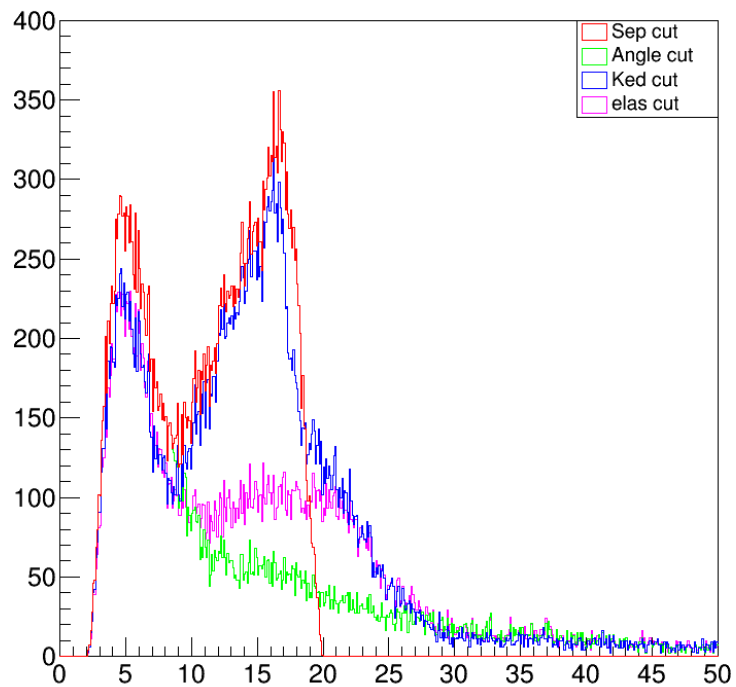
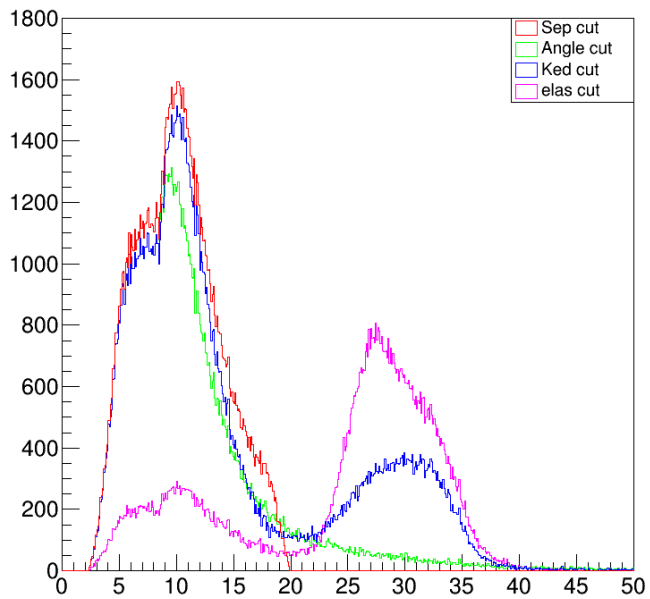
out\_sep (data)



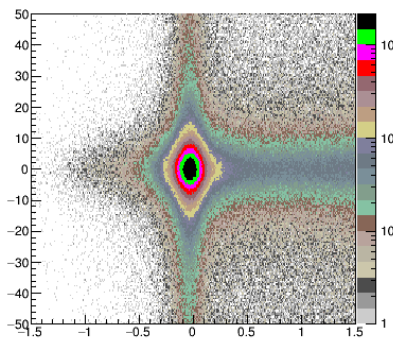
out\_sep (comp)



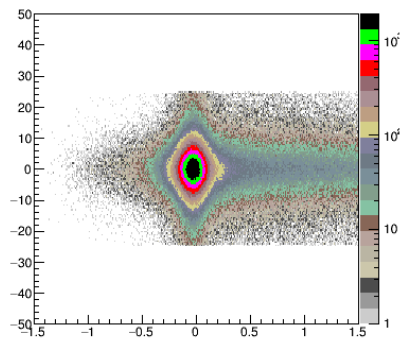
out\_sep (pair)



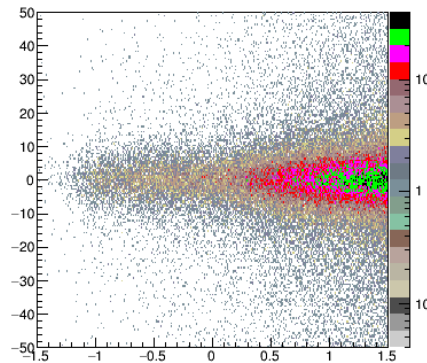
angle vs elas (data all)



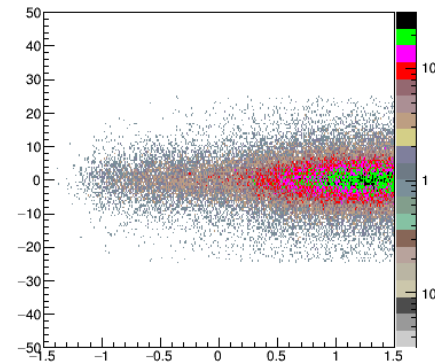
angle vs elas (data cut)



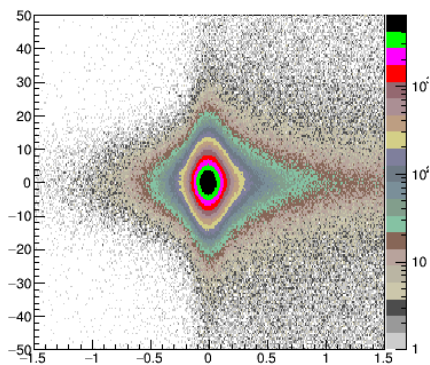
angle vs elas (acci all)



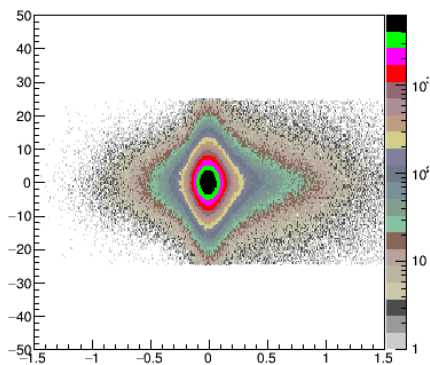
angle vs elas (acci cut)



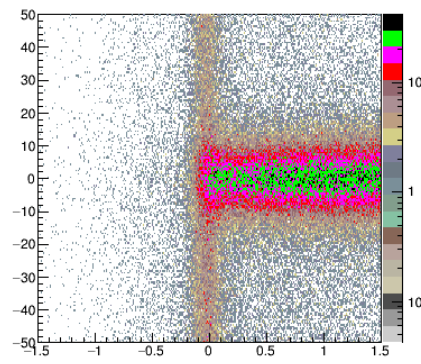
angle vs elas (comp all)



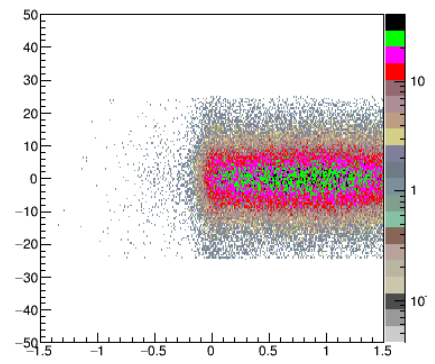
angle vs elas (comp cut)

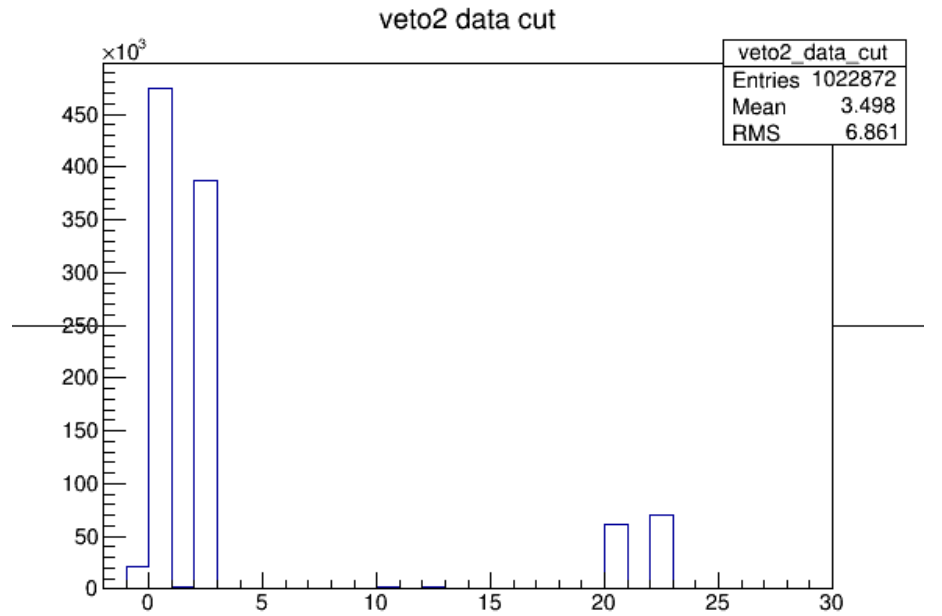
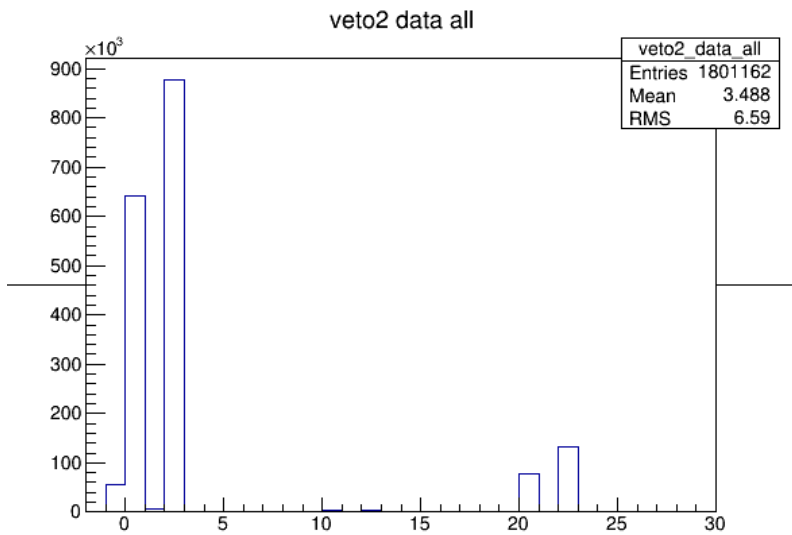
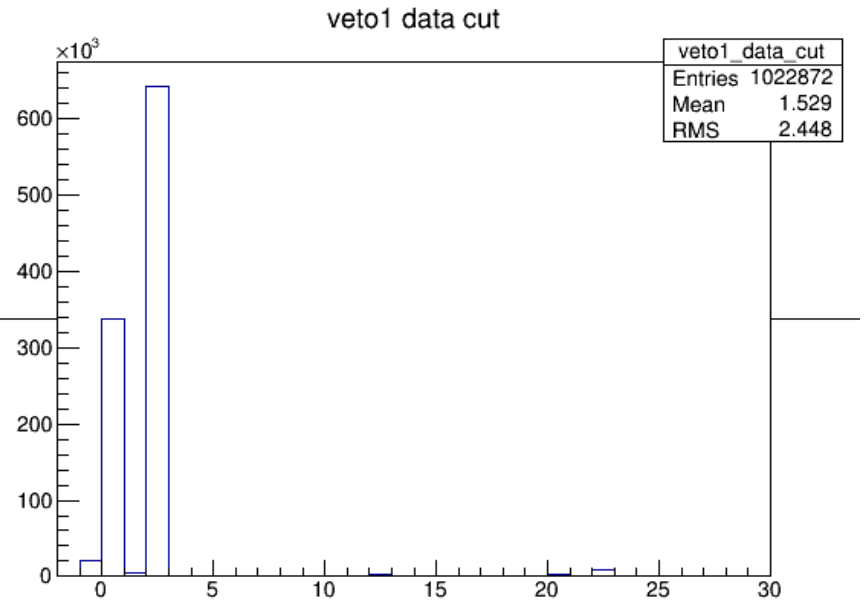
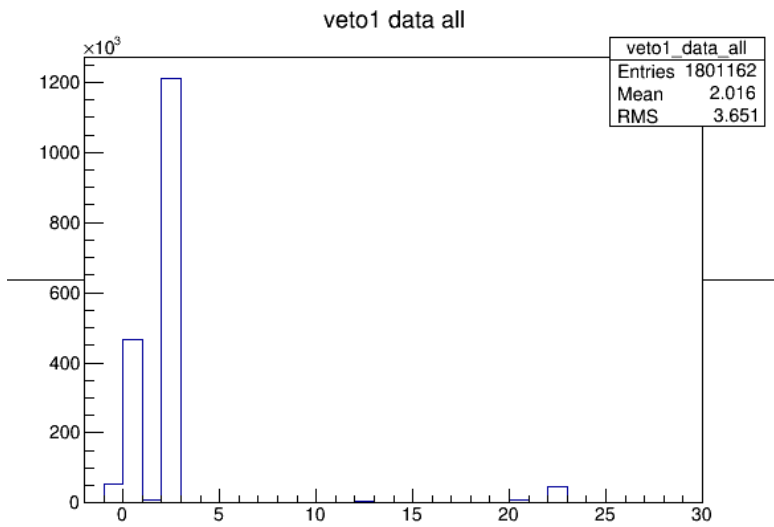


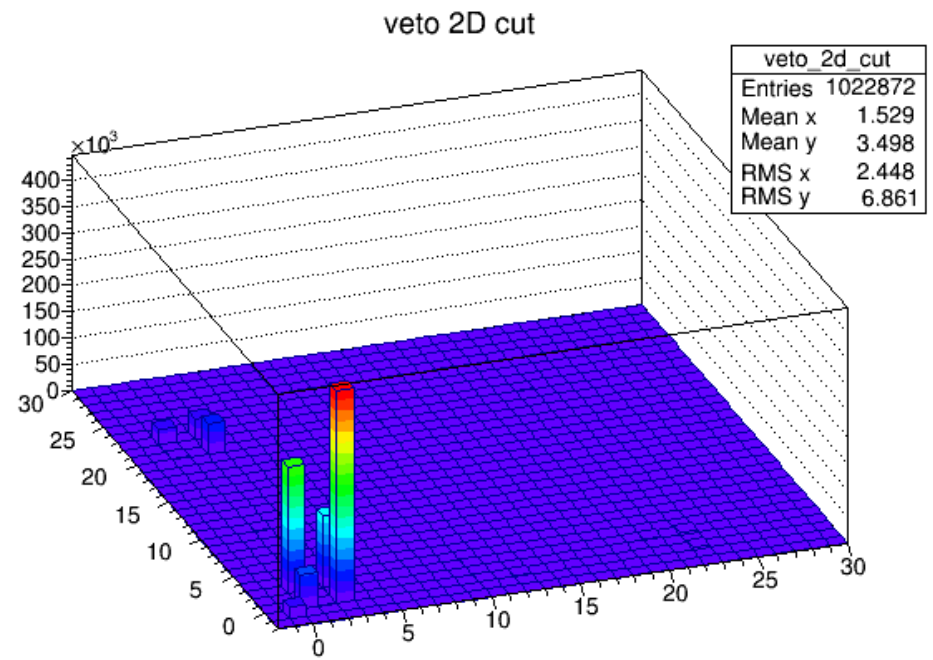
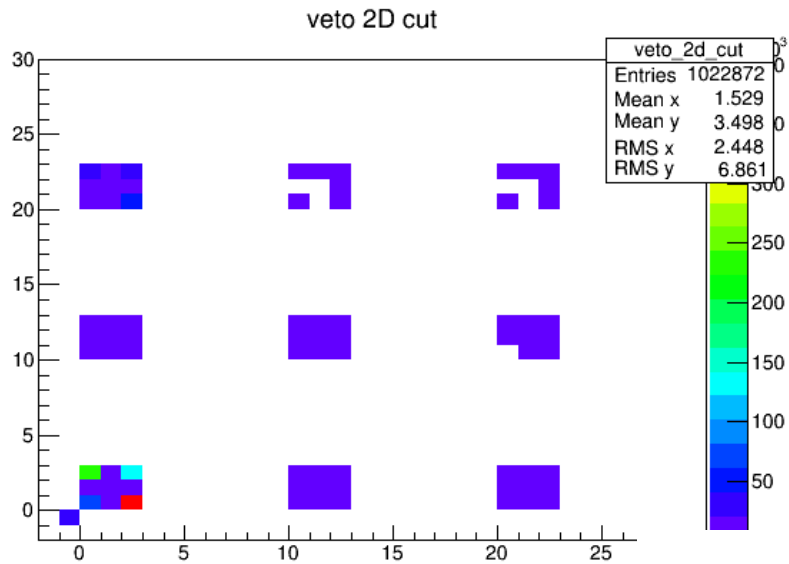
angle vs elas (pair all)



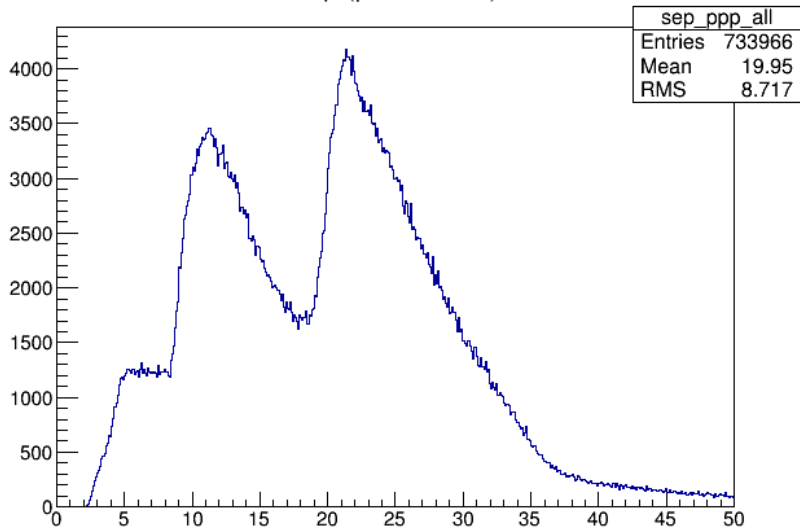
angle vs elas (pair cut)



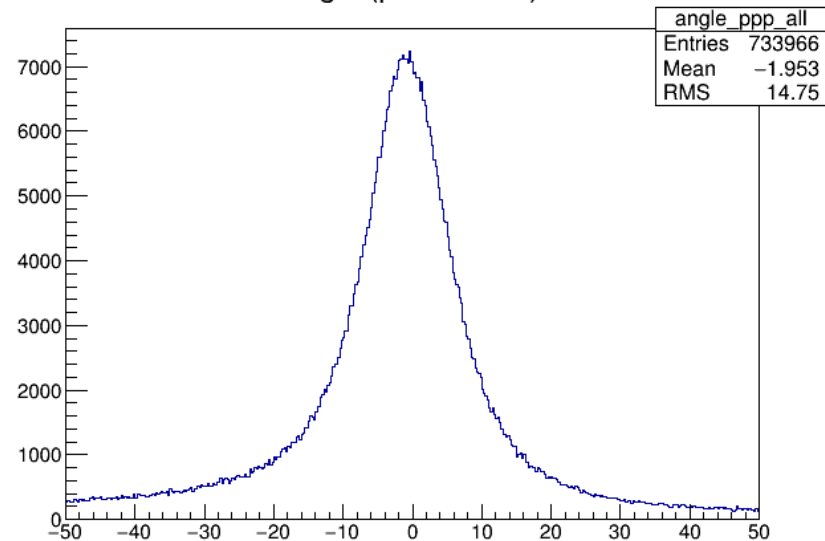




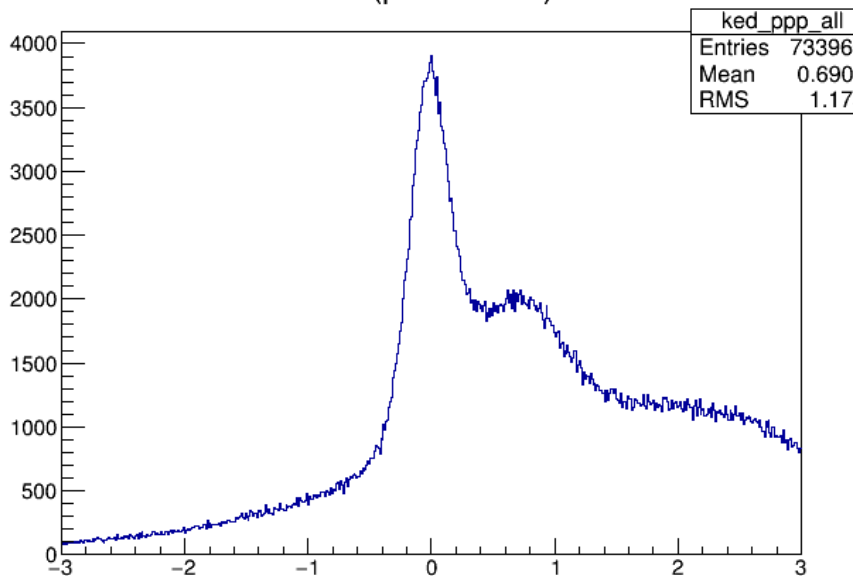
sep (pair in data)



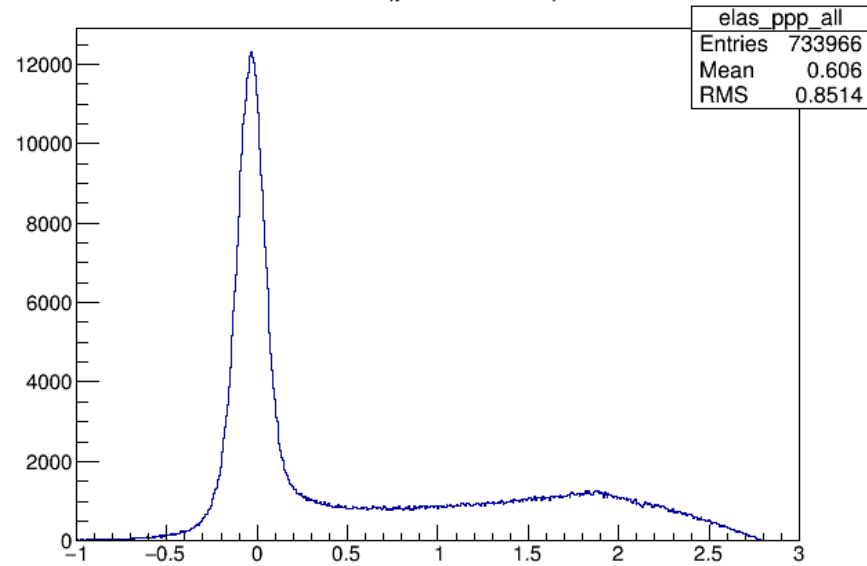
angle (pair in data)



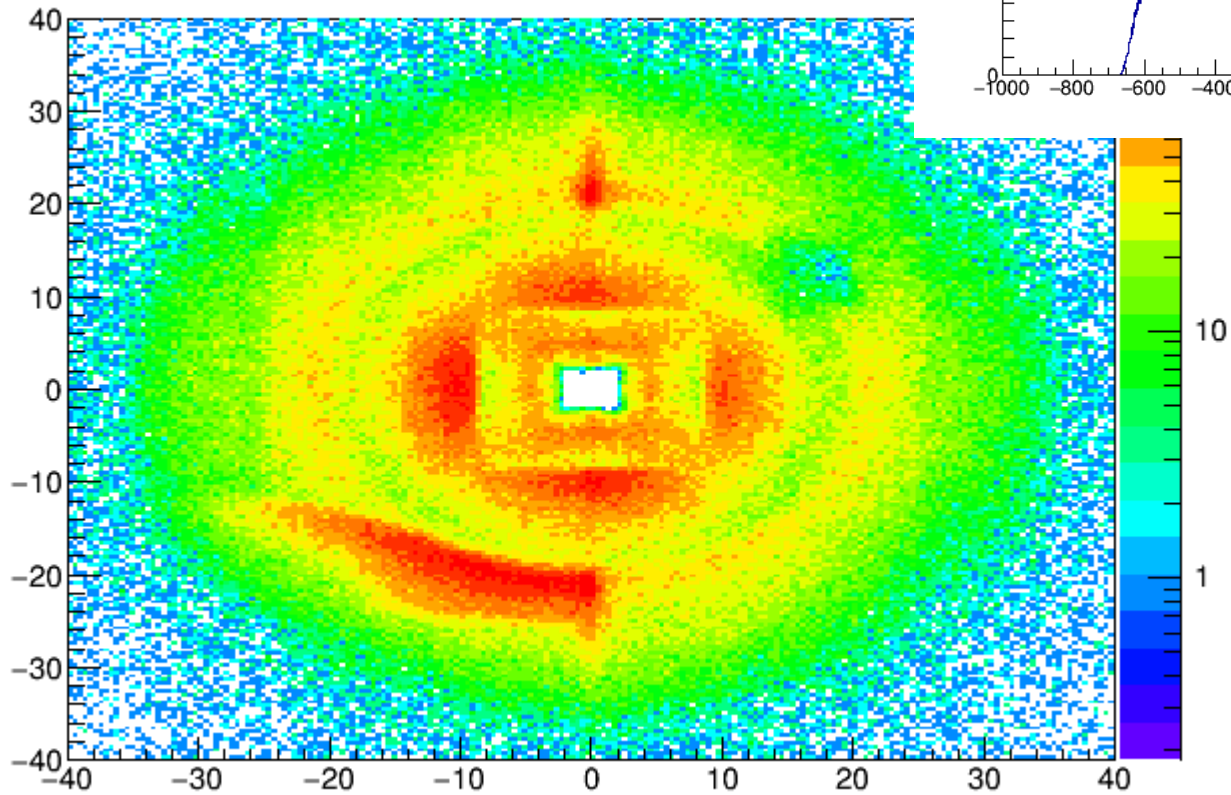
ked (pair in data)



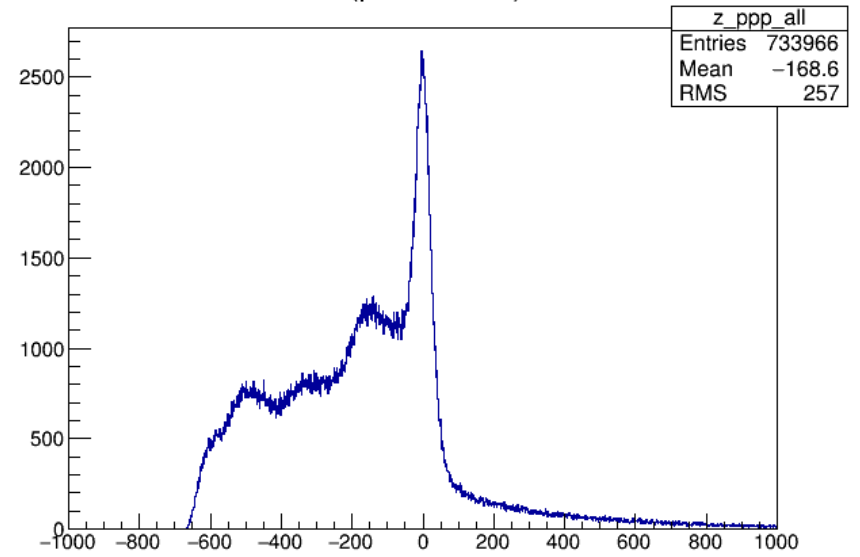
elas (pair in data)



sep2d (pair in data)

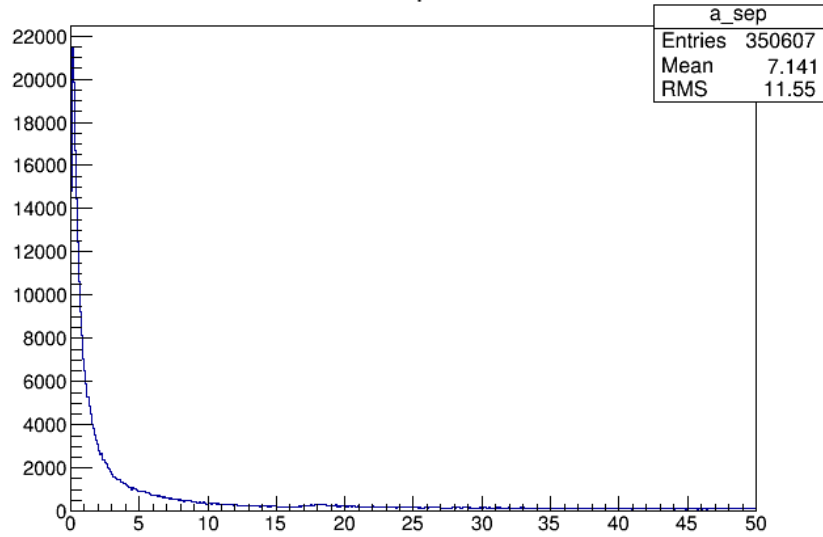


z (pair in data)

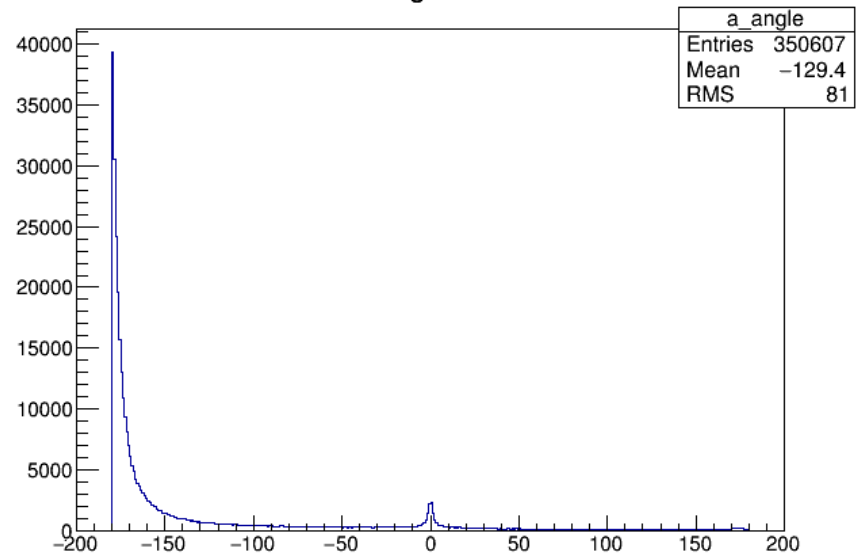




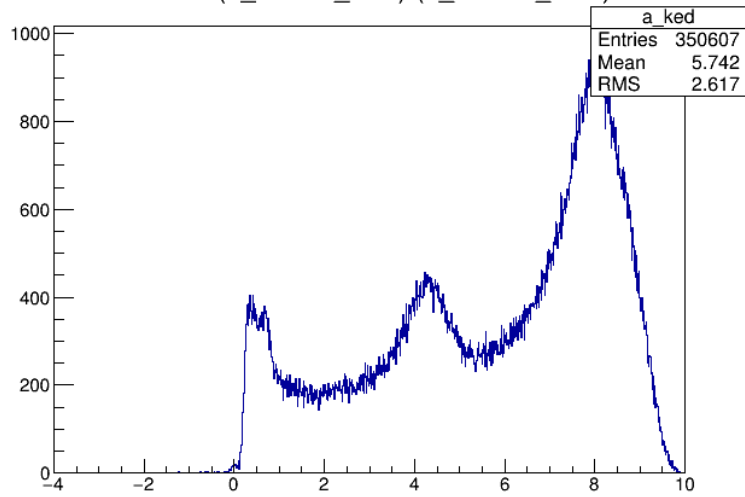
Cluster Separation 12



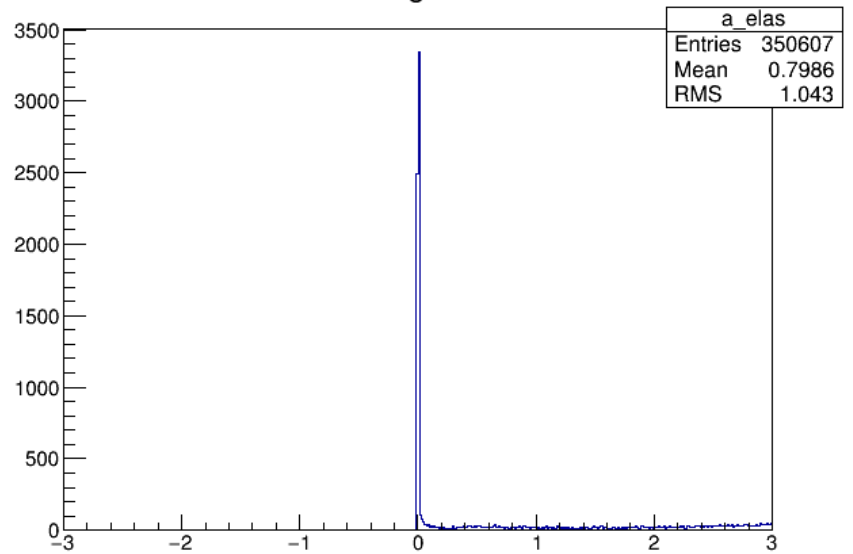
Azimuthal Angle Difference 12



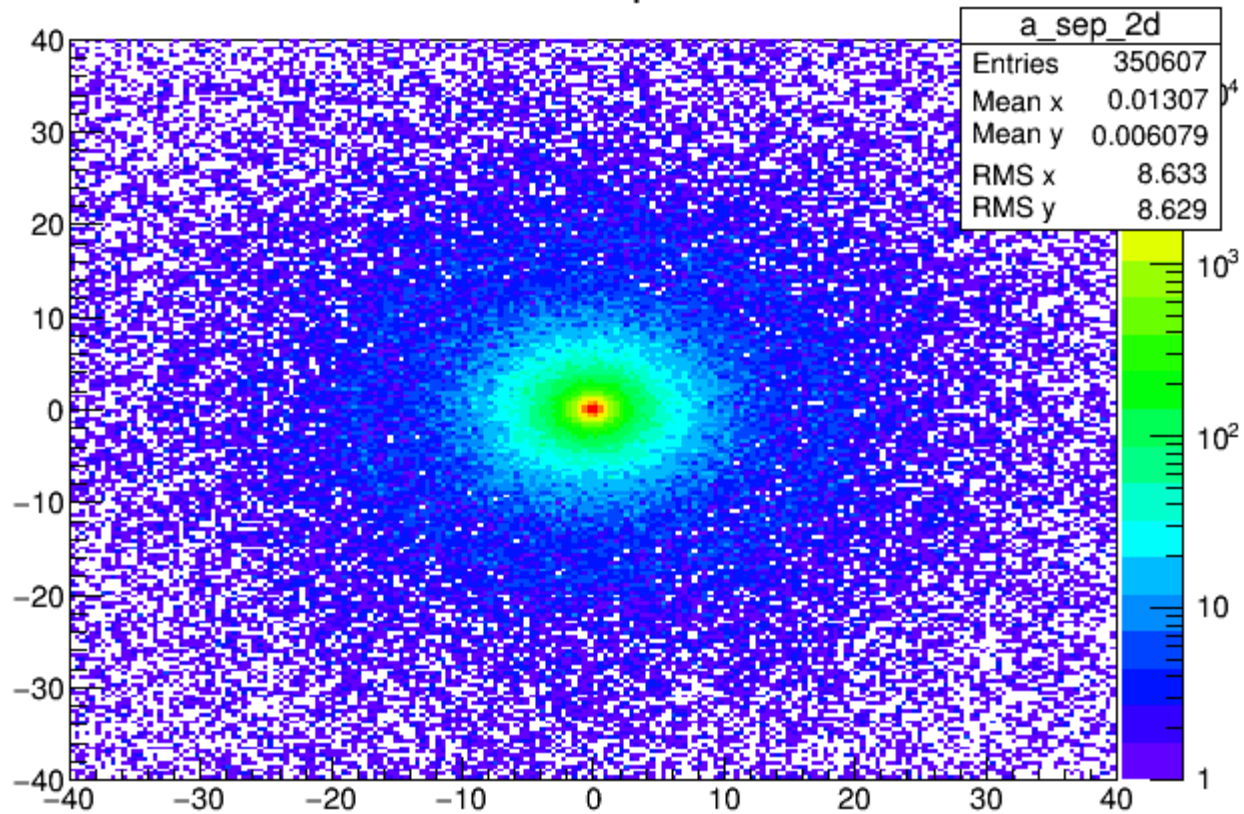
$ked = (e\_cal1 + e\_cal2) - (e\_rec1 + e\_rec2)$



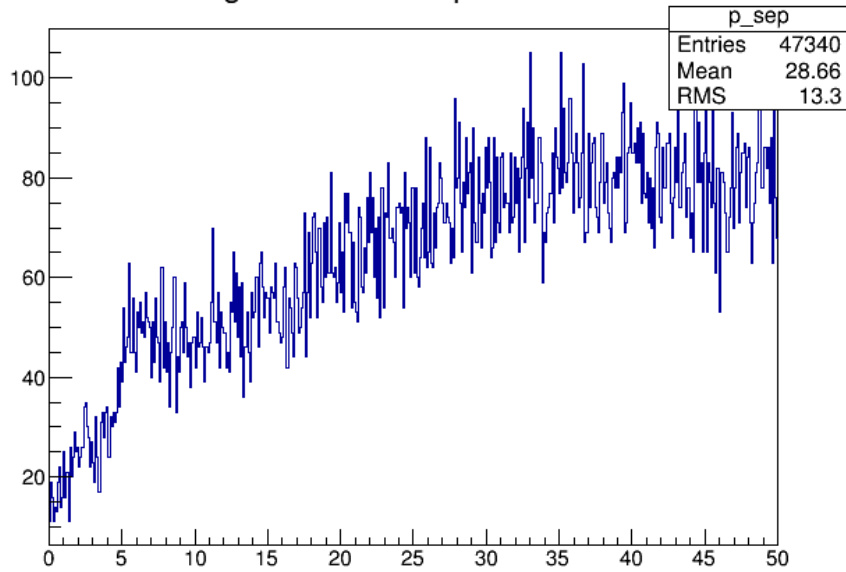
$E0 = Eg - e1 - e2$



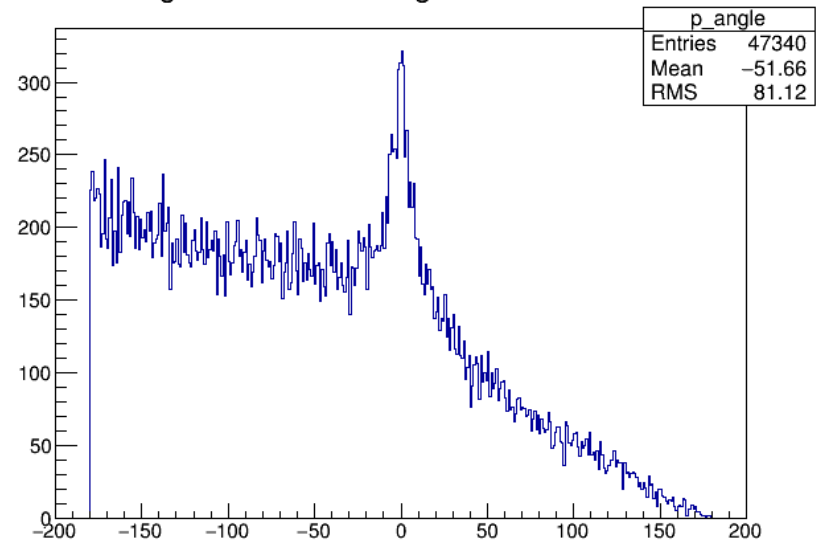
## Cluster Separation



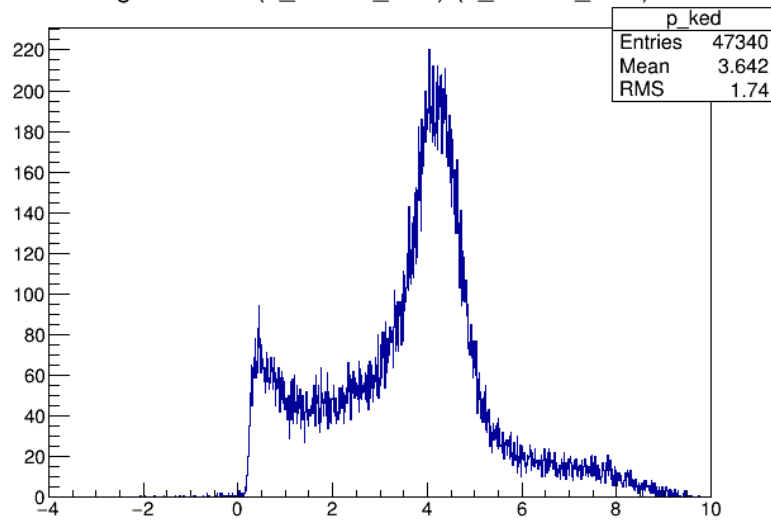
good Cluster Separation 12



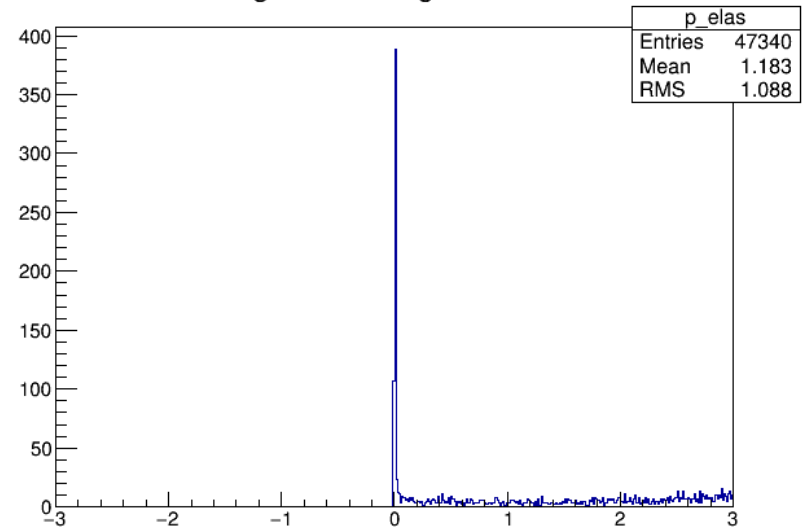
good Azimuthal Angle Difference 12



good ked = (e\_cal1+e\_cal2)-(e\_rec1+e\_rec2)



good E0 = Eg - e1 -e2



## good Cluster Separation

