

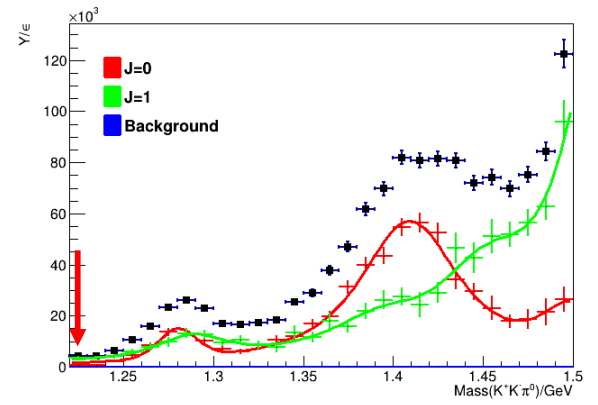
$K^+K^-\pi^0$ update

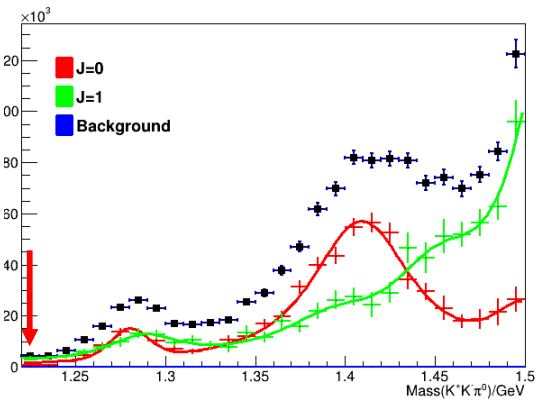
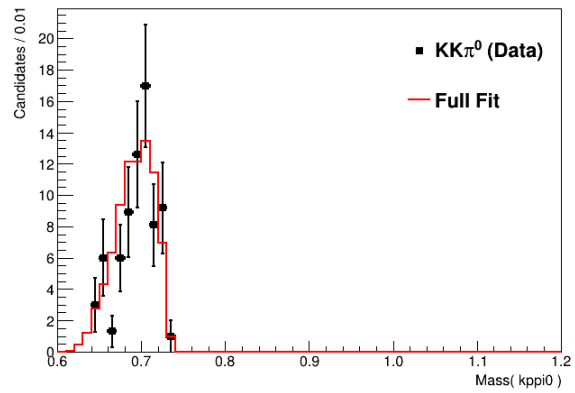
PWA using K^*K and phase space $KK\pi$

Mass-independent PWA of $KK\pi$

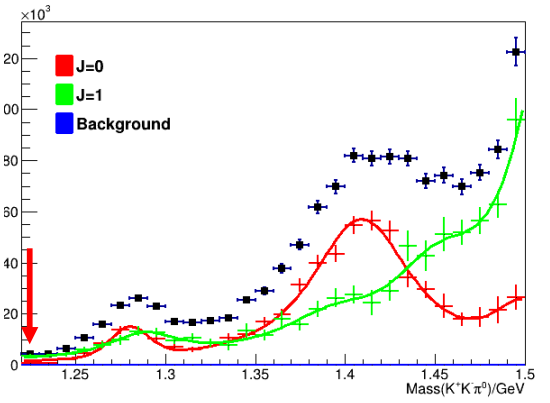
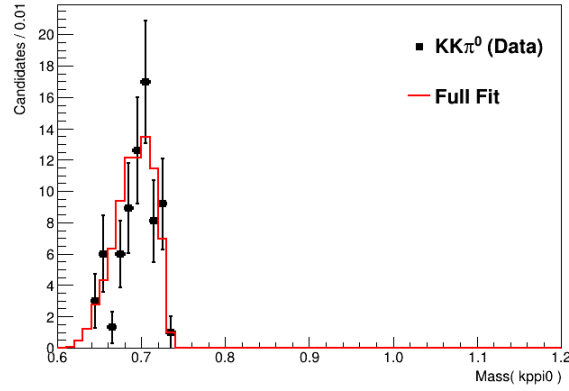
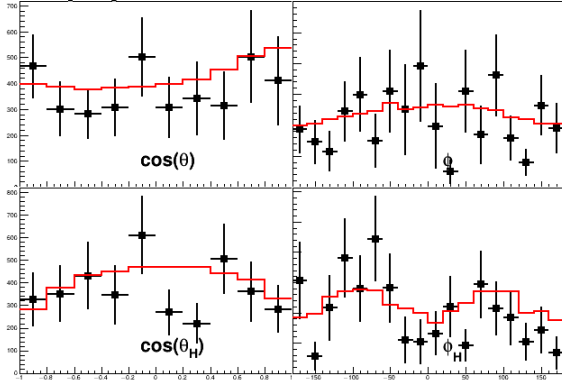
Included:

- $J=0^-$
 - $(K^+K^-)_{S\text{-phsp}}\pi^0$
 - $(K^+\pi^0)_{P\text{-phsp}}K^-$
 - $(K^-\pi^0)_{P\text{-phsp}}K^+$
- $J=1^+$
 - $(K^+K^-)_{S\text{-phsp}}\pi^0$
 - $(K^+\pi^0)_{P\text{-phsp}}K^-$
 - $(K^-\pi^0)_{P\text{-phsp}}K^+$
- $J=1^-$
 - $(K^+\pi^0)_{P\text{-phsp}}K^-$
 - $(K^-\pi^0)_{P\text{-phsp}}K^+$

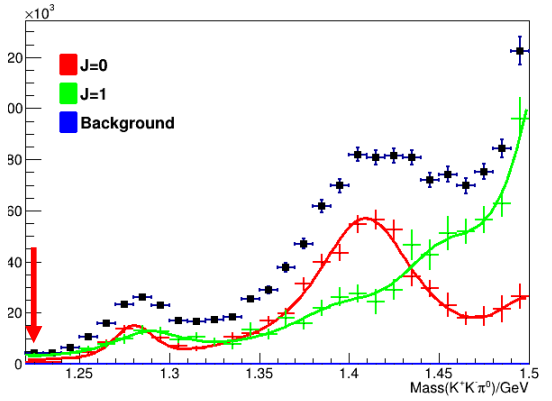
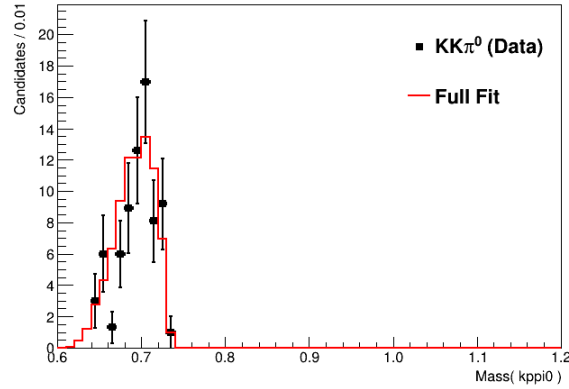
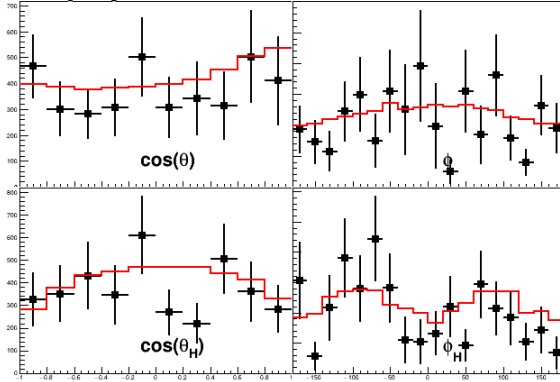




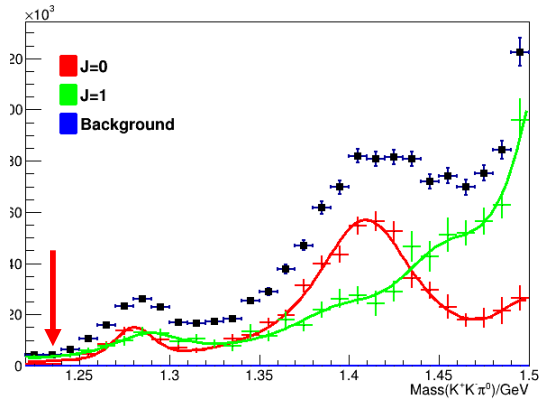
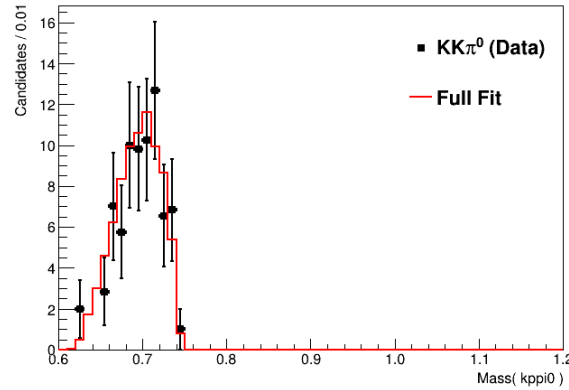
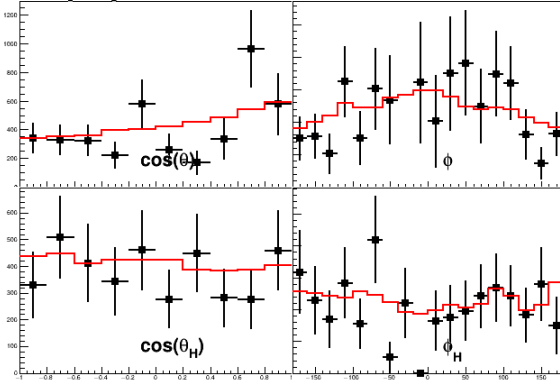
Mass[KK π] = 1225 MeV



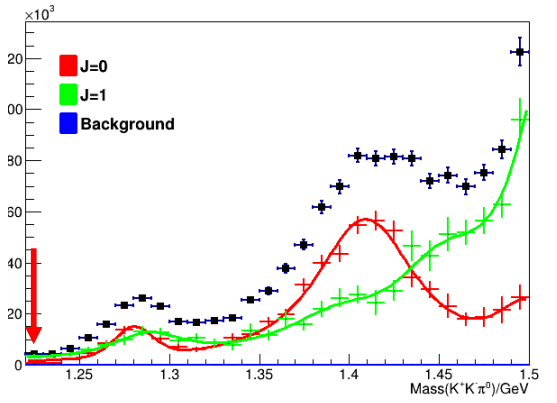
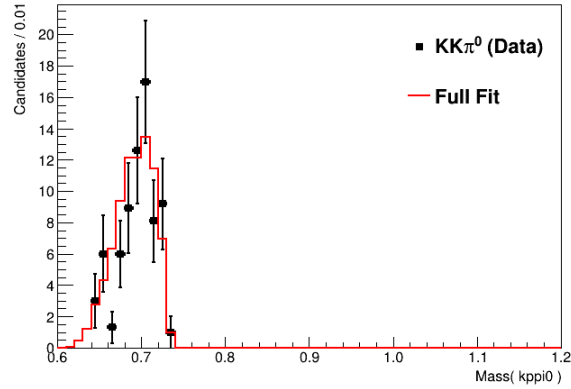
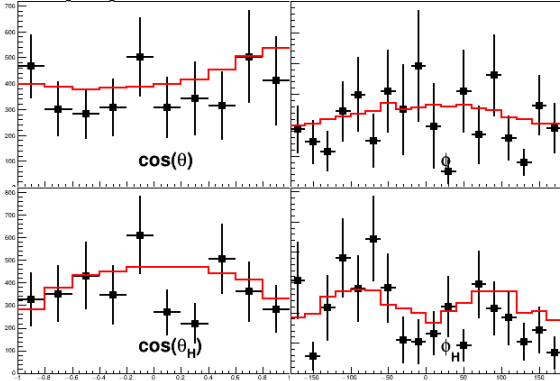
Mass[$KK\pi$] = 1225 MeV



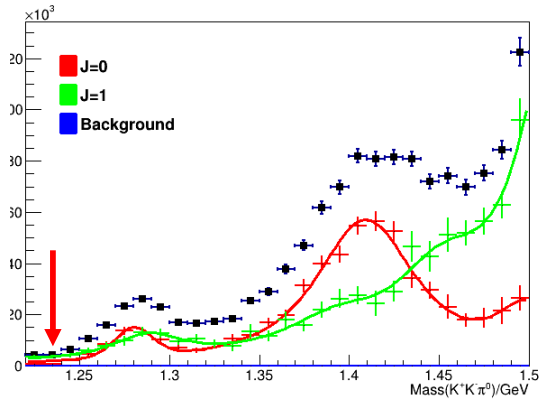
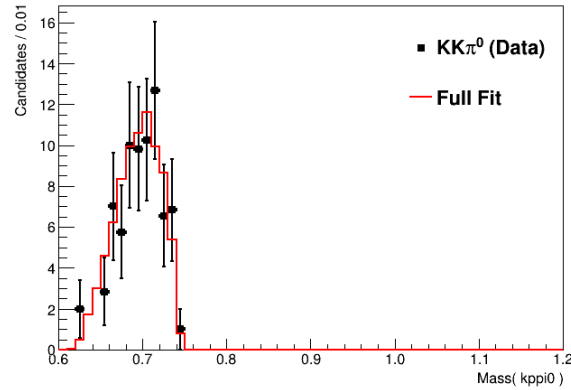
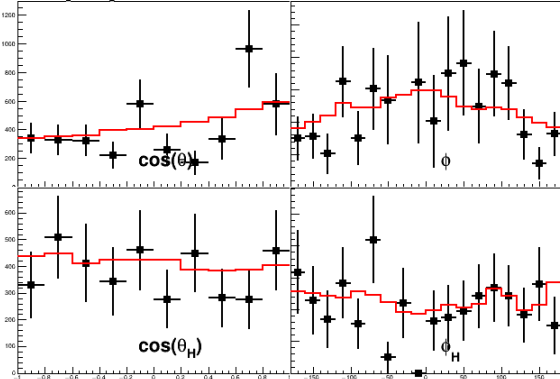
Mass[$KK\pi$] = 1235 MeV



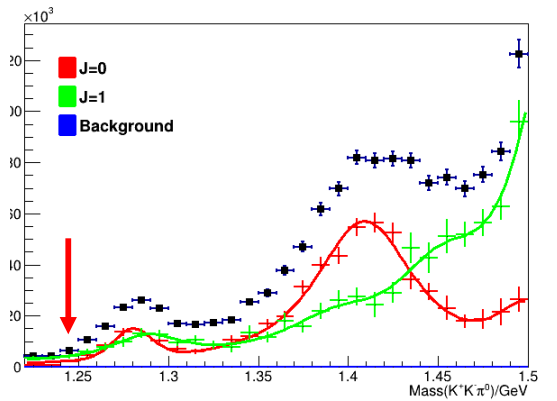
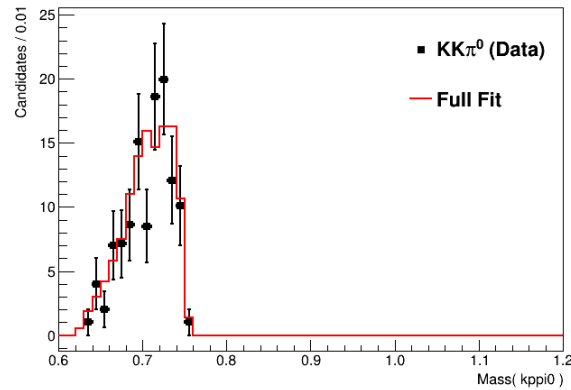
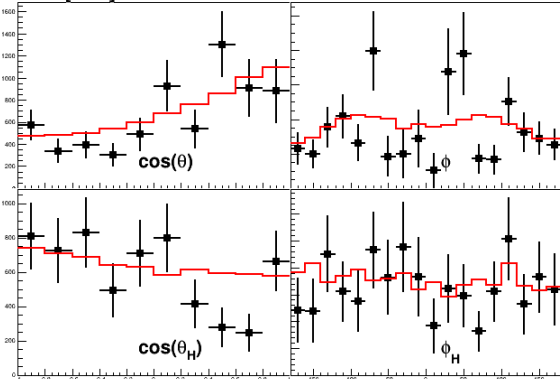
Mass[$KK\pi$] = 1225 MeV



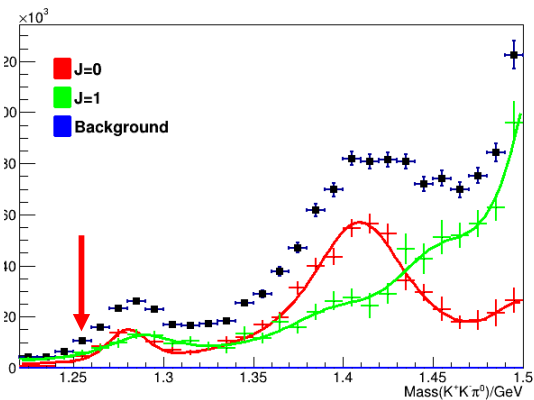
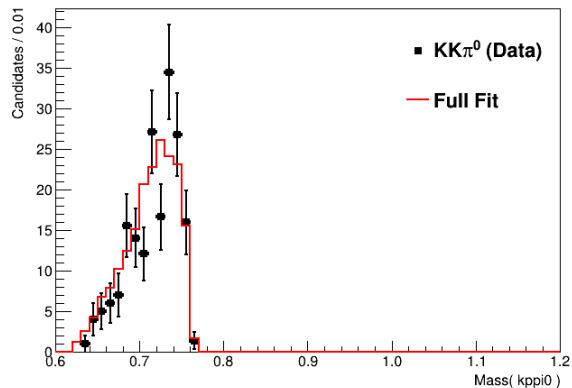
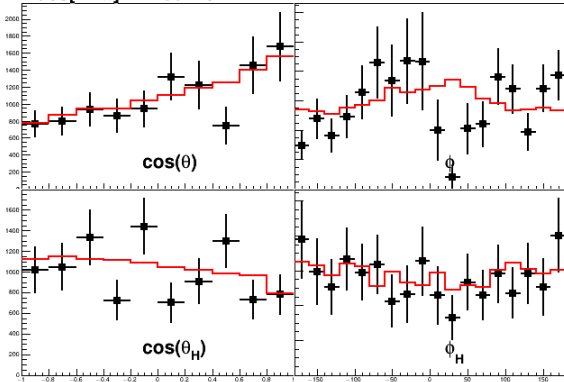
Mass[$KK\pi$] = 1235 MeV



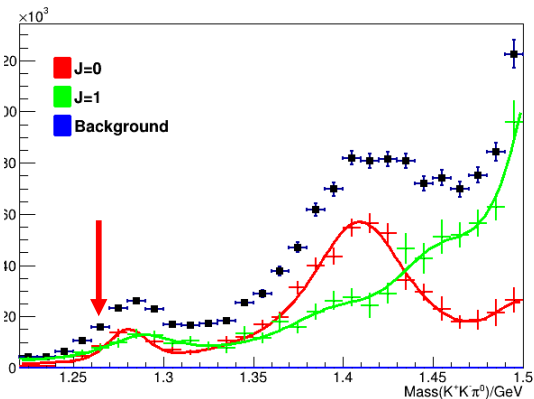
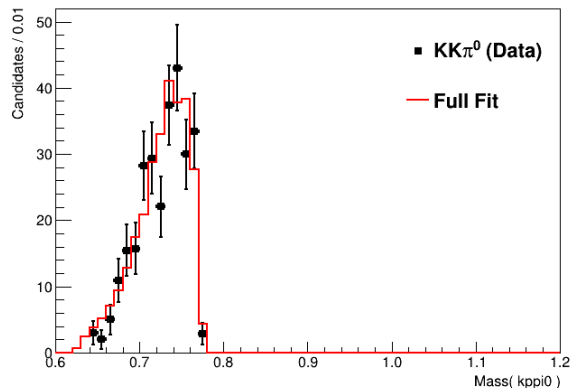
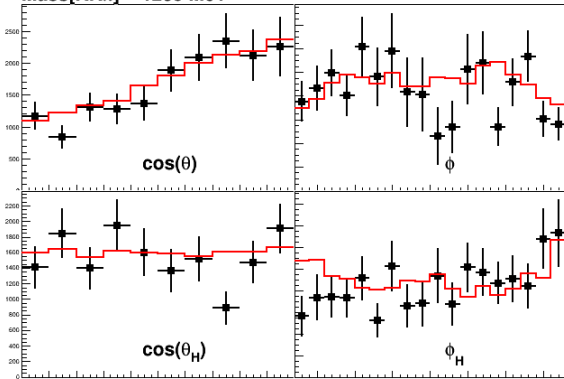
Mass[$KK\pi$] = 1245 MeV



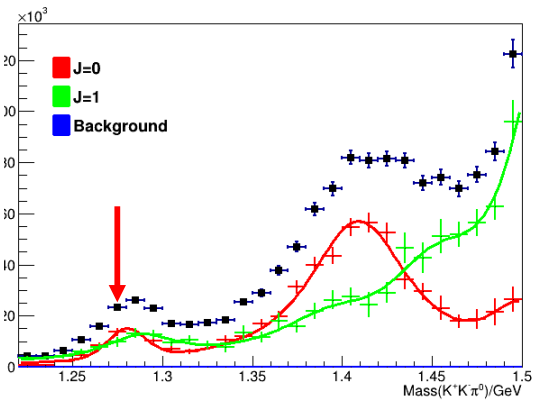
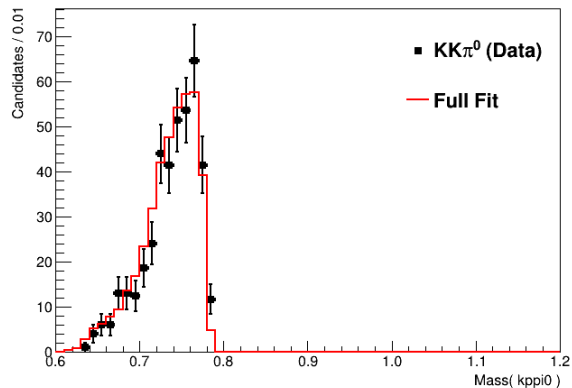
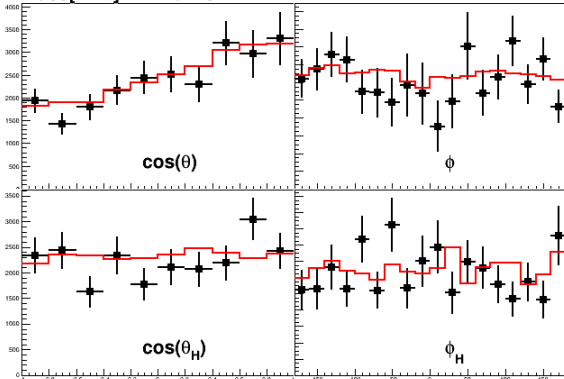
Mass[KK π] = 1255 MeV



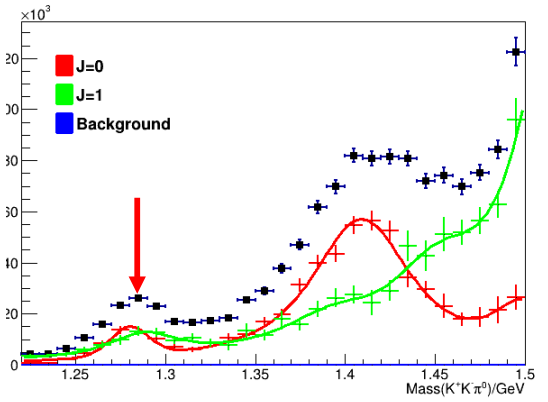
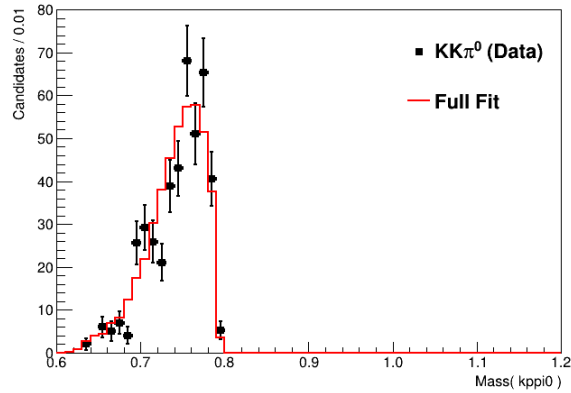
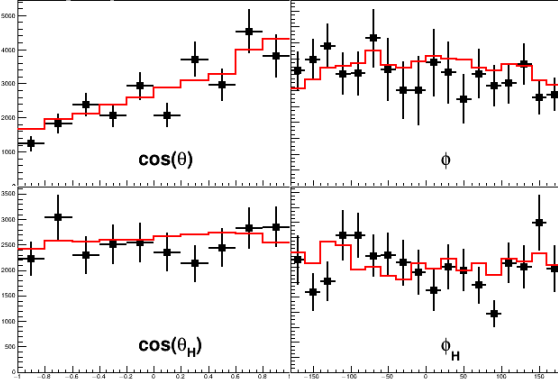
Mass[KK π] = 1265 MeV



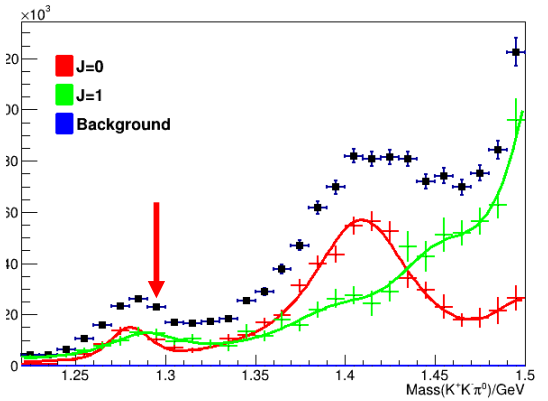
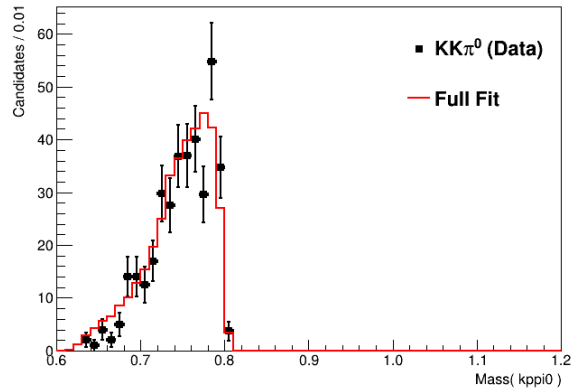
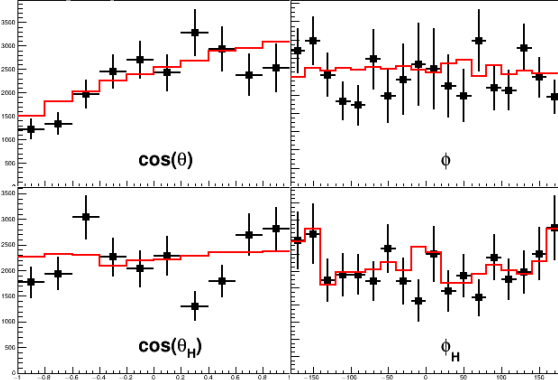
Mass[KK π] = 1275 MeV



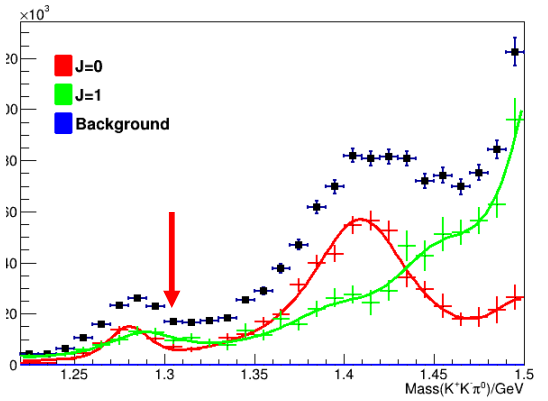
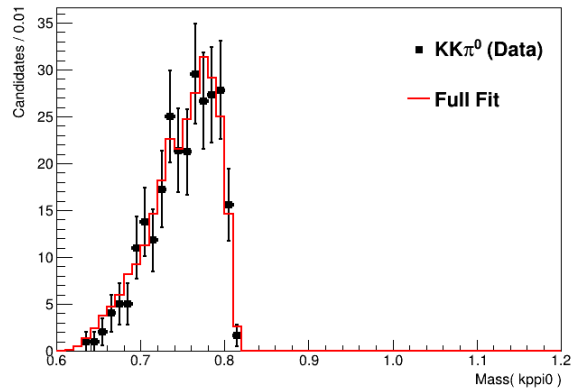
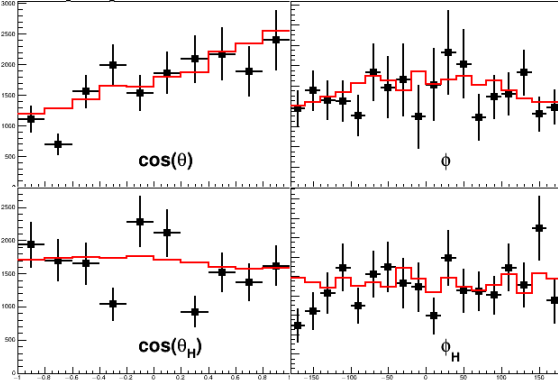
Mass[$KK\pi$] = 1285 MeV



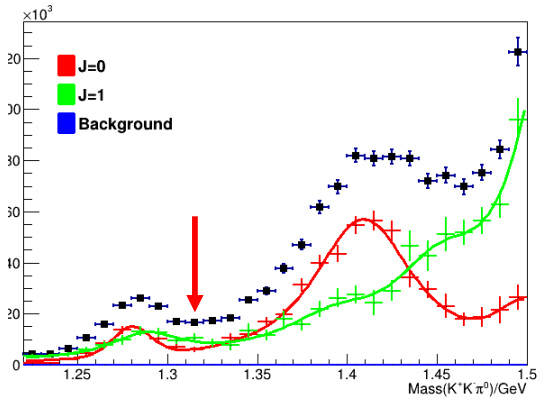
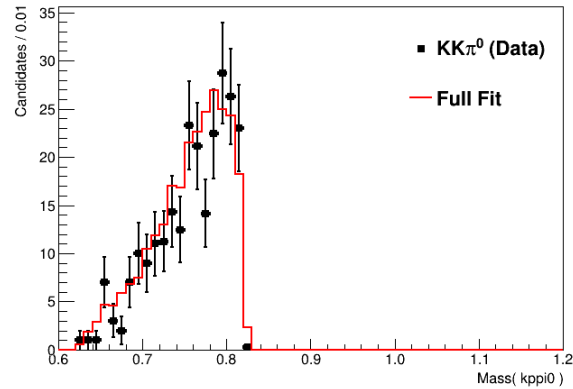
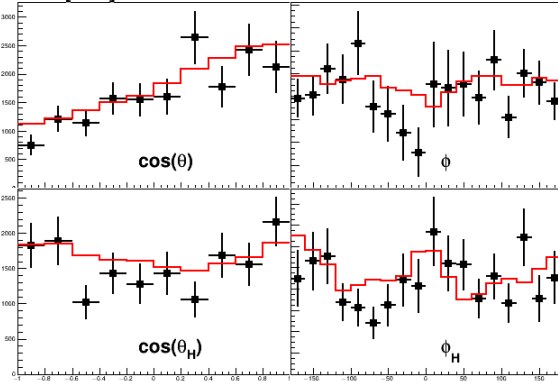
Mass[$KK\pi$] = 1295 MeV



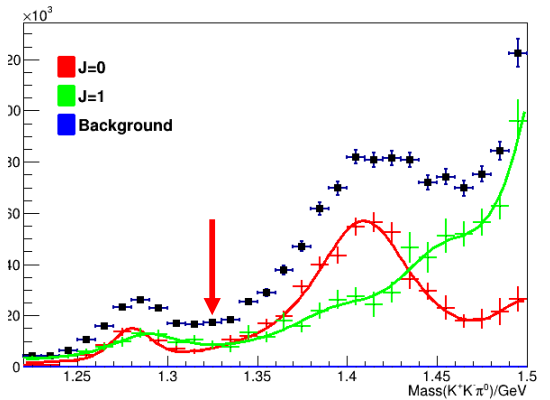
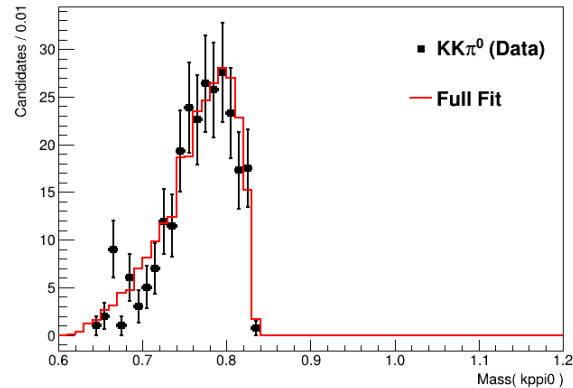
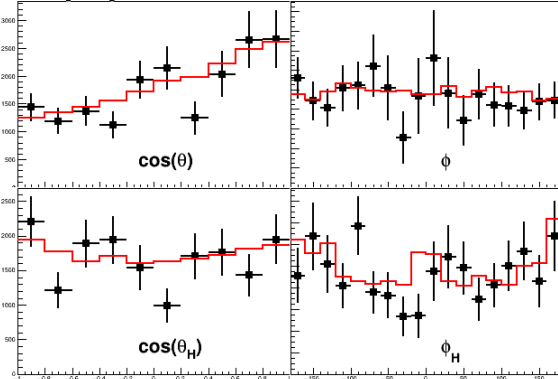
Mass[$KK\pi$] = 1305 MeV



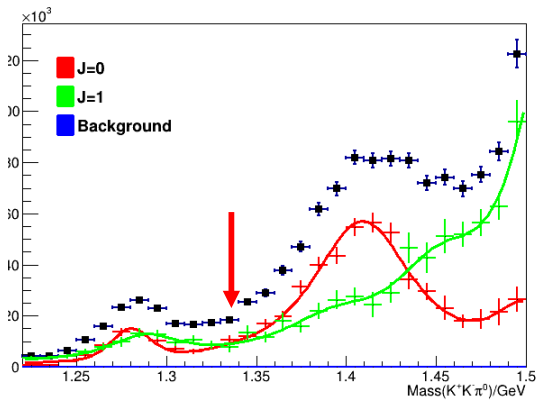
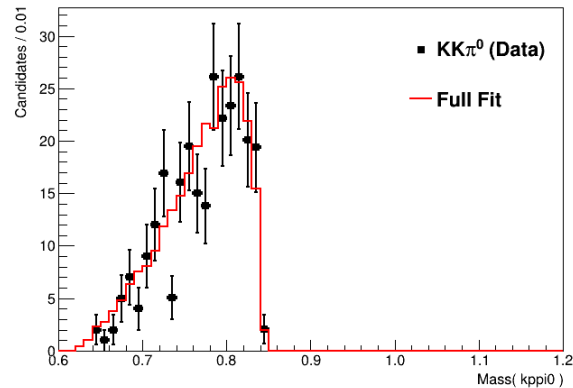
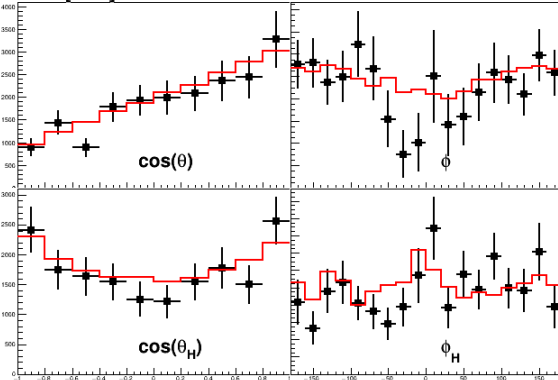
Mass[KK π] = 1315 MeV



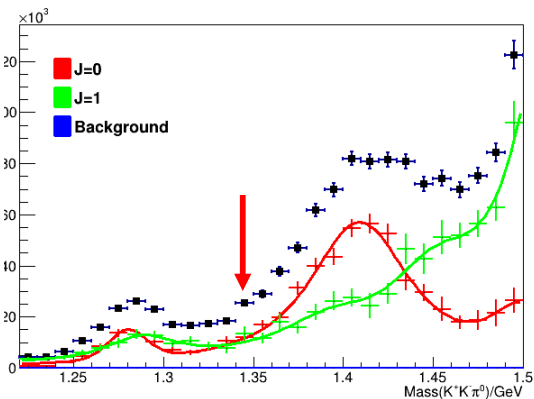
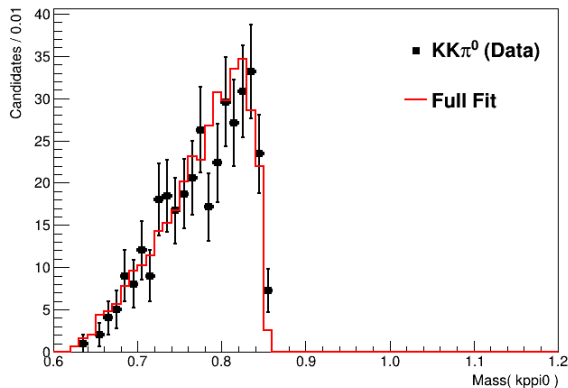
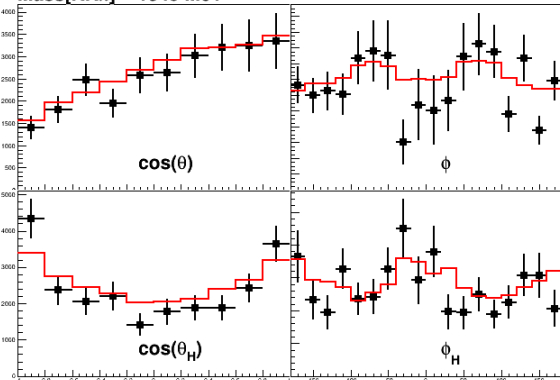
Mass[KK π] = 1325 MeV



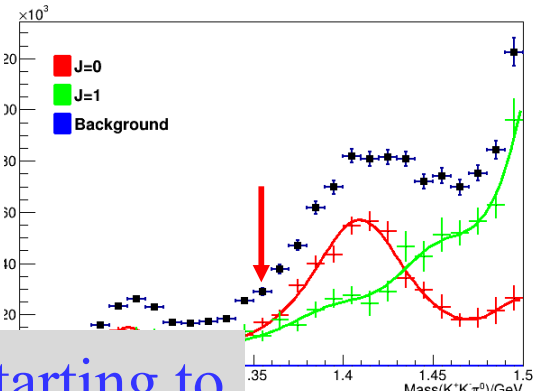
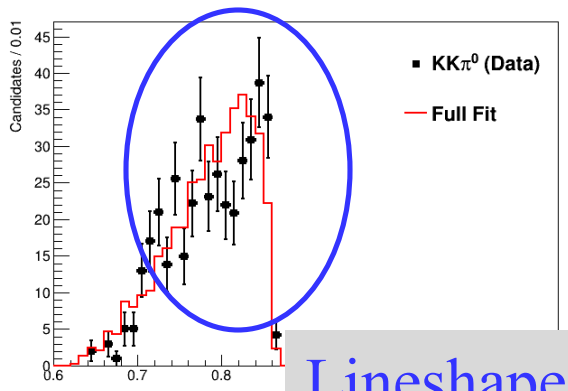
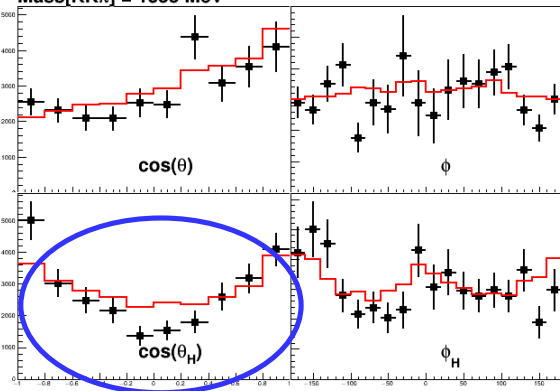
Mass[KK π] = 1335 MeV



Mass[KK π] = 1345 MeV

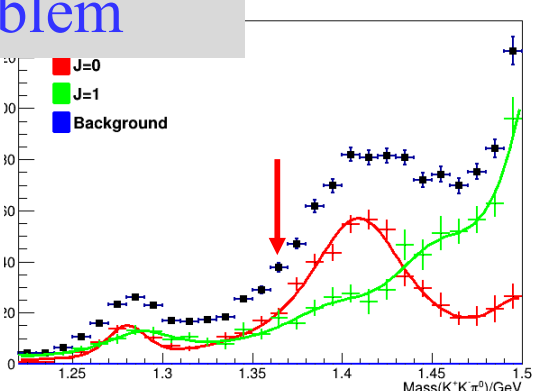
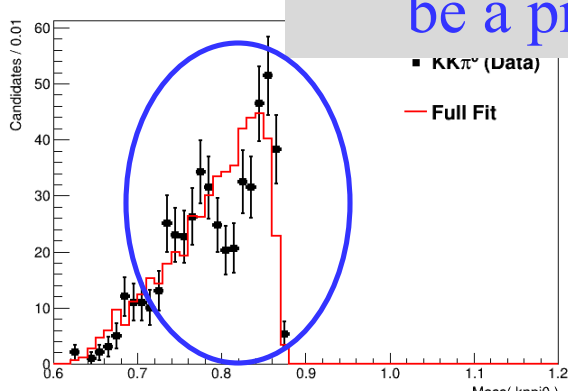
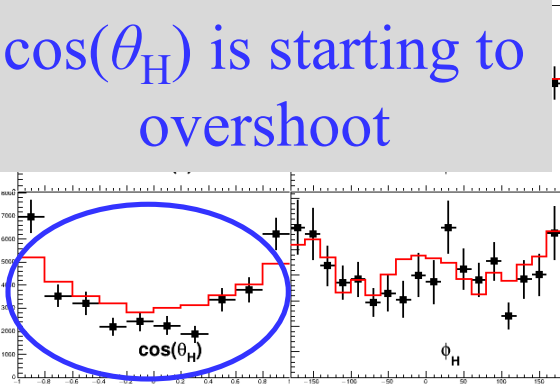


Mass[KK π] = 1355 MeV



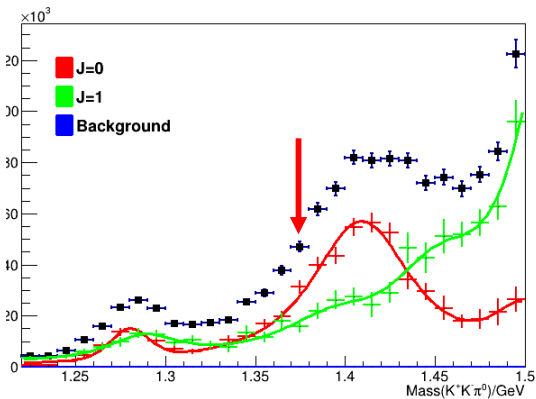
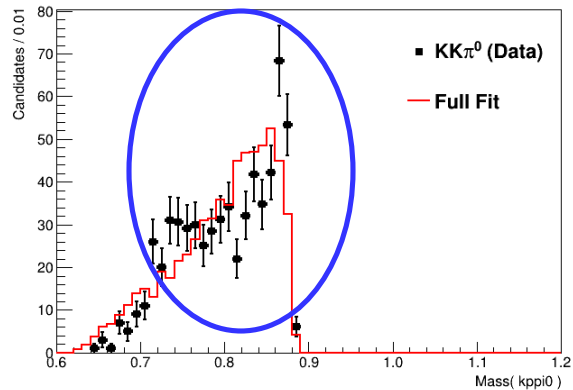
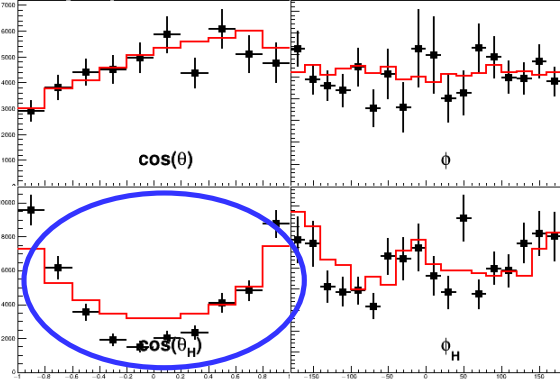
Lineshape starting to be a problem

Mass[KK π] = 1365 MeV

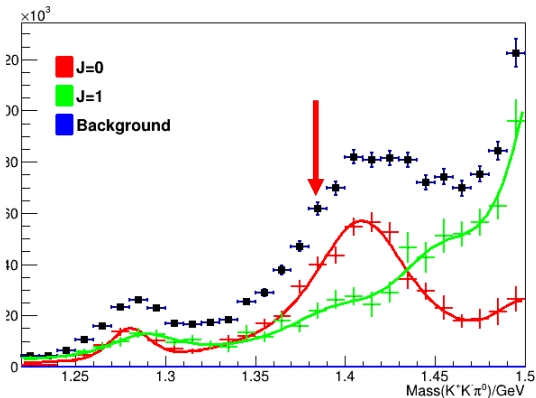
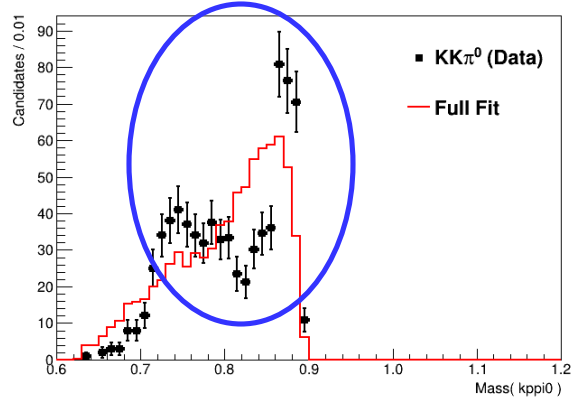
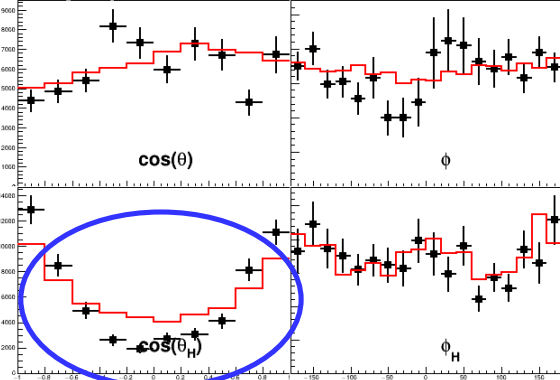


$\cos(\theta_H)$ is starting to overshoot

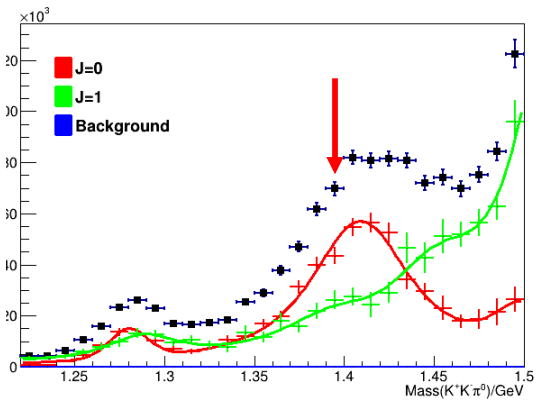
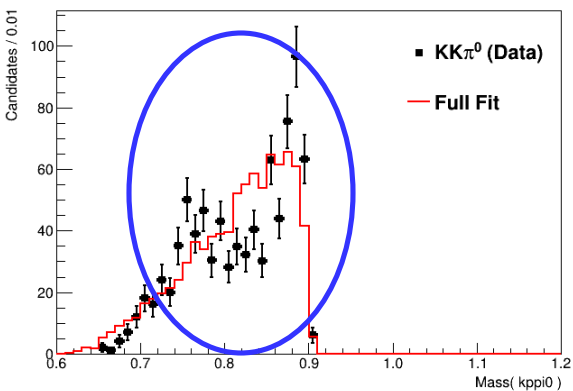
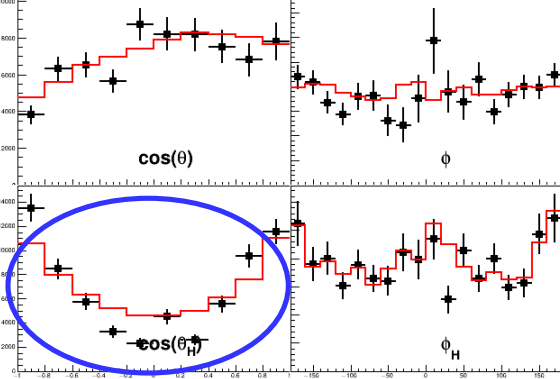
Mass[KK π] = 1375 MeV



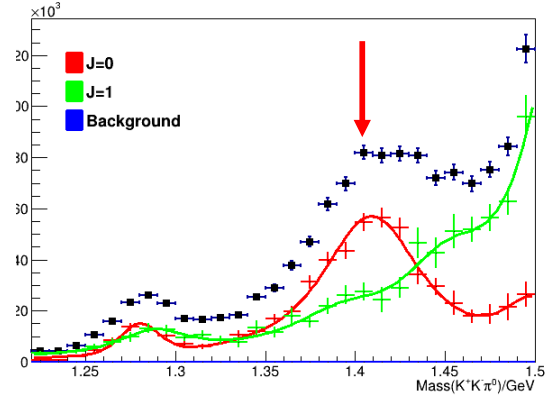
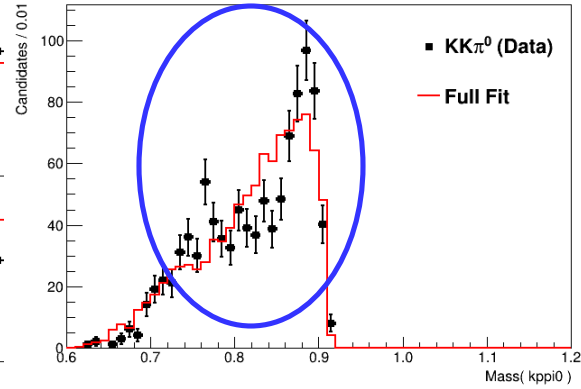
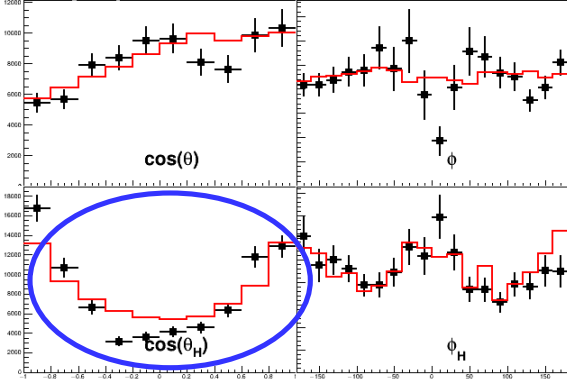
Mass[KK π] = 1385 MeV



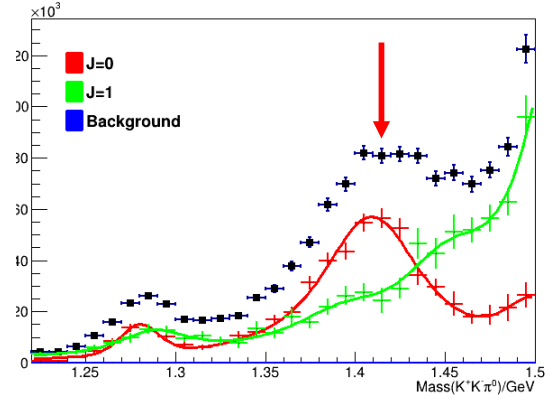
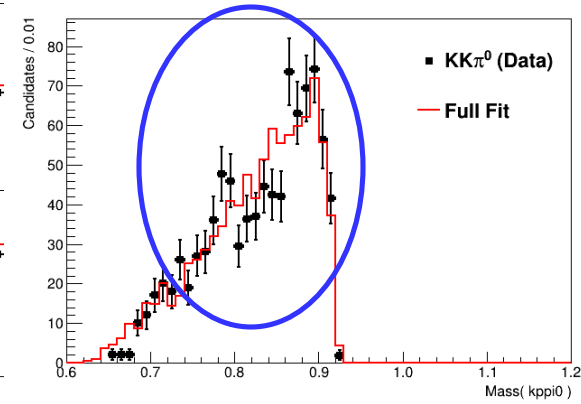
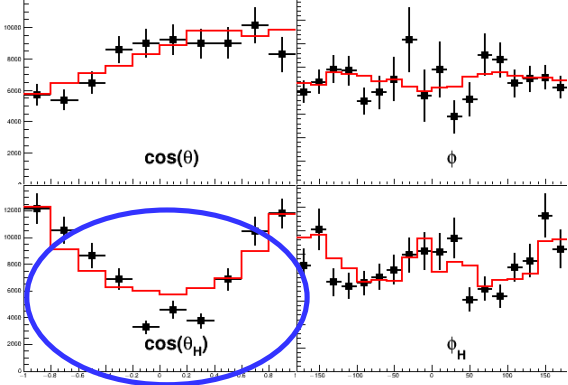
Mass[KK π] = 1395 MeV



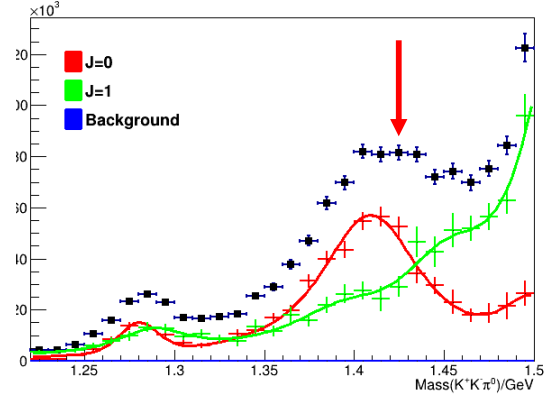
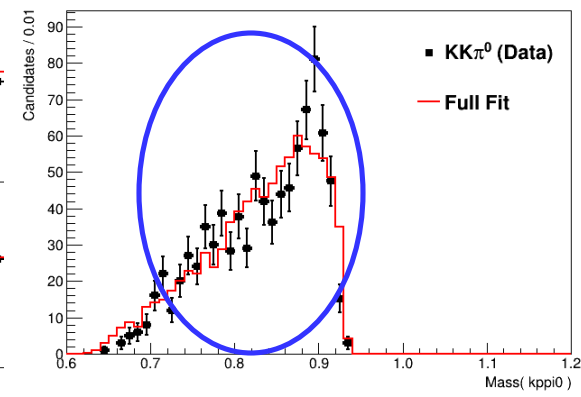
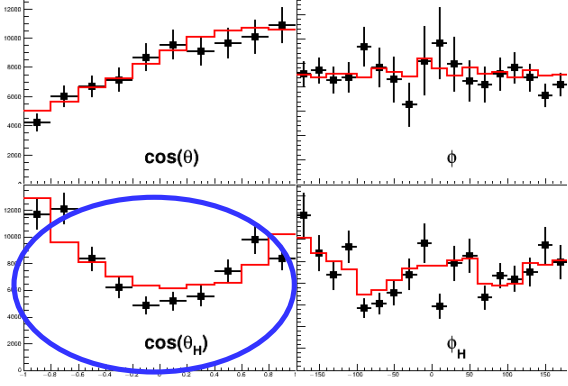
Mass[KK π] = 1405 MeV



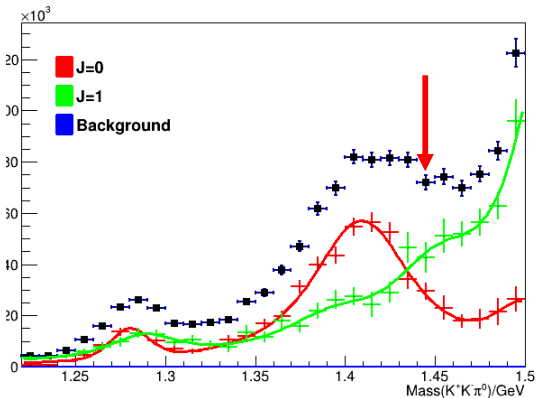
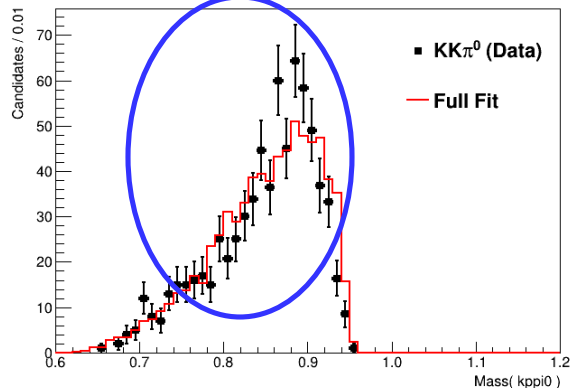
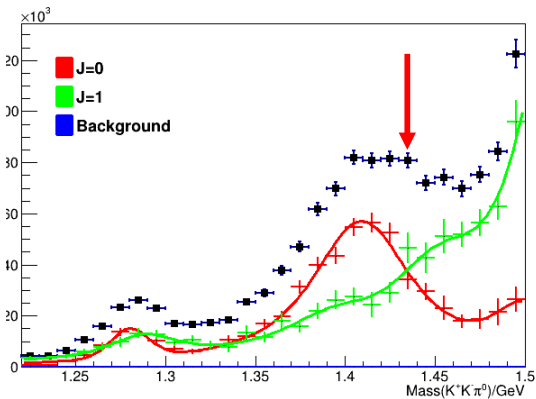
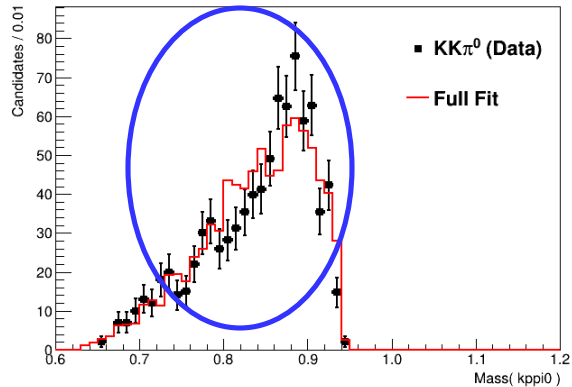
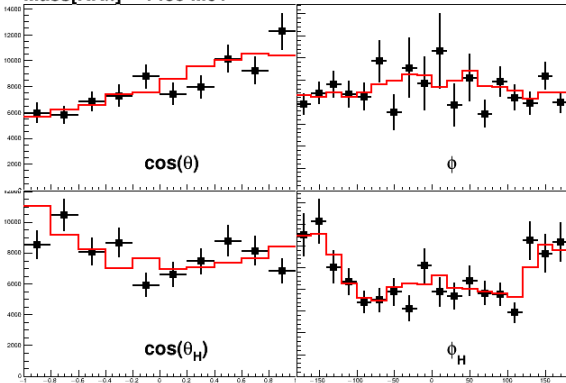
Mass[KK π] = 1415 MeV



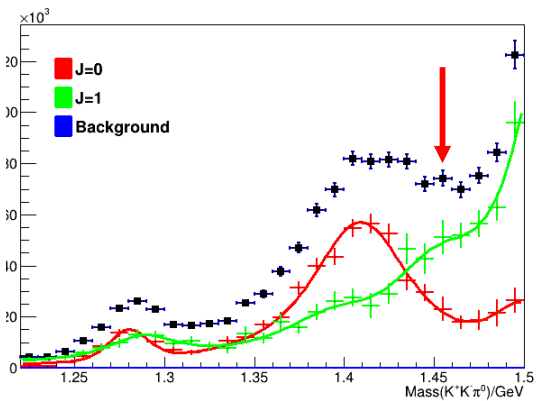
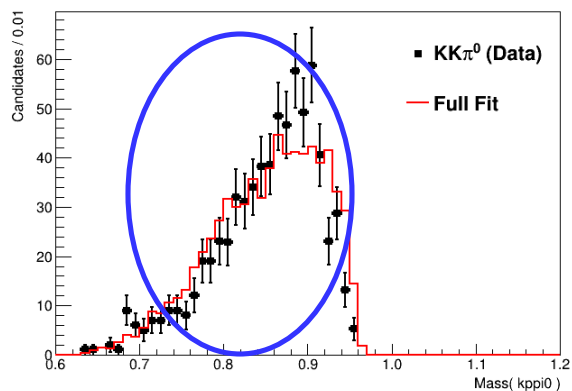
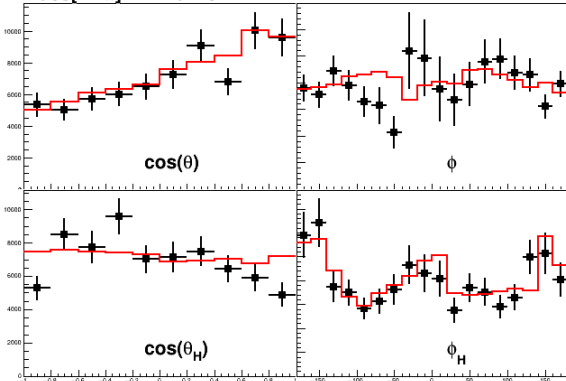
Mass[KK π] = 1425 MeV



Mass[$KK\pi$] = 1435 MeV

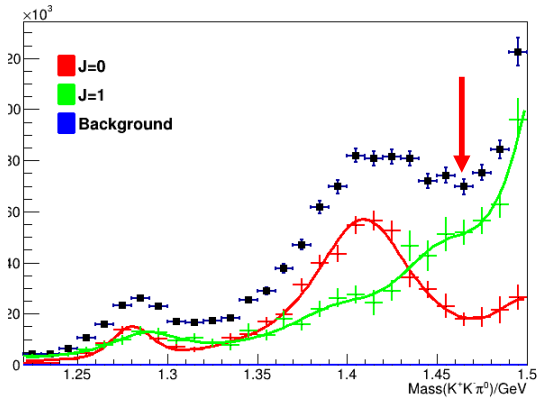
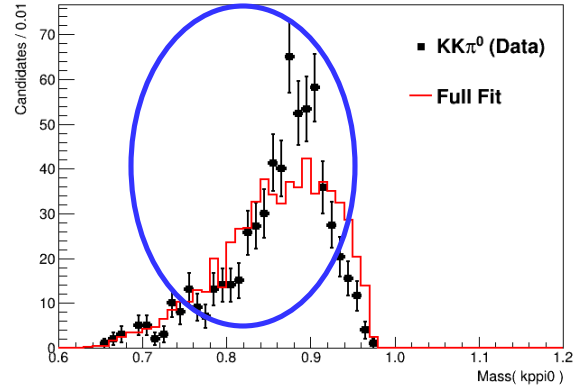
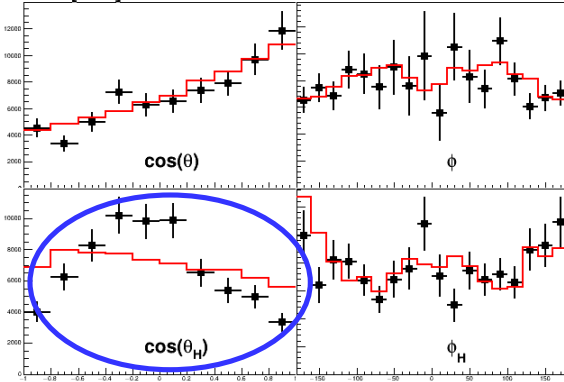


Mass[$KK\pi$] = 1445 MeV

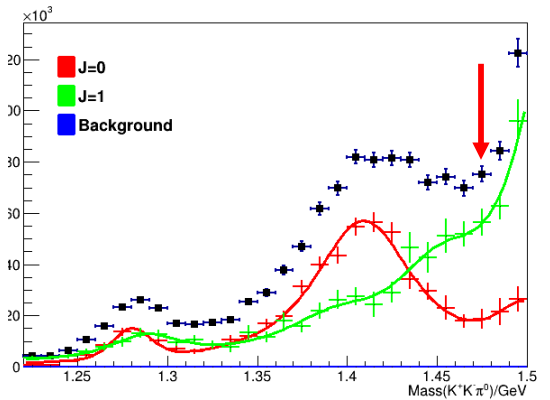
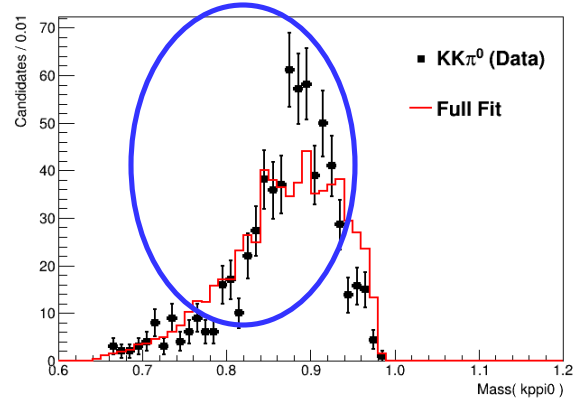
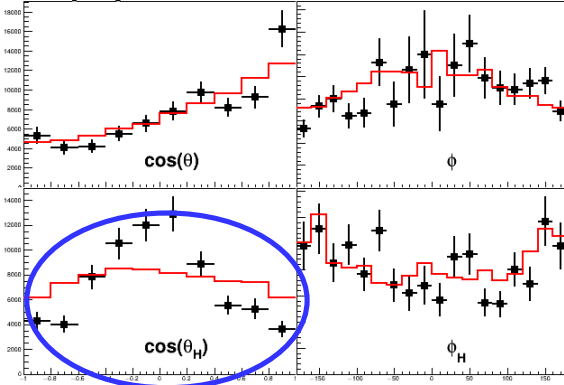


Mass[$KK\pi$] = 1455 MeV

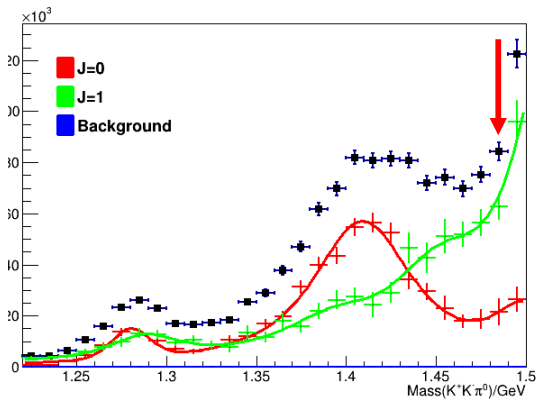
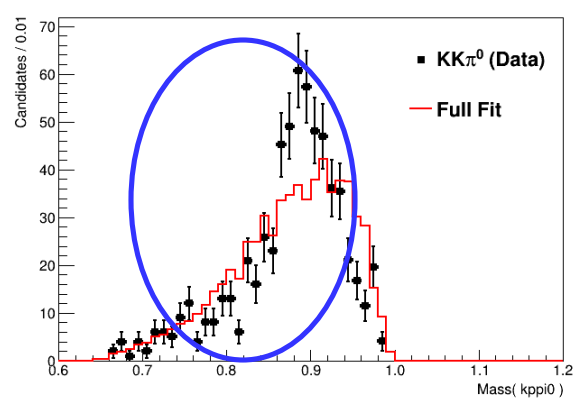
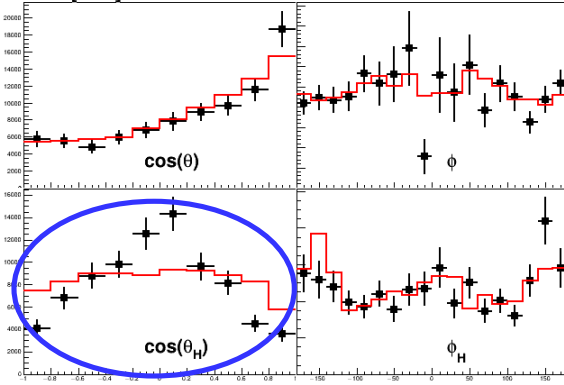
Mass[KK π] = 1465 MeV

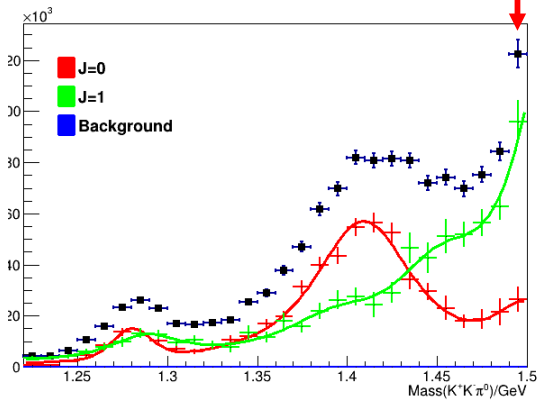
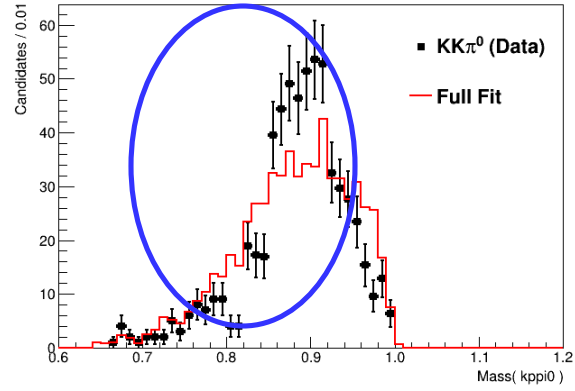
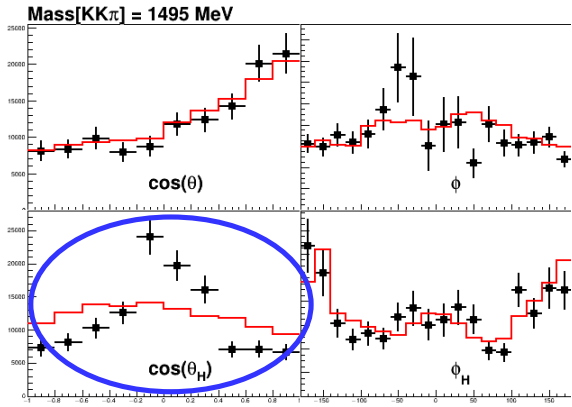


Mass[KK π] = 1475 MeV



Mass[KK π] = 1485 MeV





Mass-independent PWA of $KK\pi$

- Next: Showing three rounds of fits

Mass-independent PWA of $KK\pi$

- Next: Showing three rounds of fits

1st includes:

- $J=0^-$
 - $(KK)_{S\text{-phsp}}\pi$
- $J=1^+$
 - $(KK)_{S\text{-phsp}}\pi$
 - $(K\pi)_{P\text{-phsp}}K$

Mass-independent PWA of $KK\pi$

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- $J=0^-$
 - $(KK)_{S\text{-phsp}}\pi$

- $J=1^+$
 - $(KK)_{S\text{-phsp}}\pi$
 - $(K\pi)_{P\text{-phsp}}K$

2nd includes:

- $J=0^-$
 - $(KK)_{S\text{-phsp}}\pi$

- $J=1^+$
 - $(KK)_{S\text{-phsp}}\pi$
 - $(K\pi)_{P\text{-phsp}}K$
 - K^*K

Mass-independent PWA of $KK\pi$

- Next: Showing three rounds of fits

1st includes:

- $J=0^-$
 - $(KK)_{S\text{-phsp}}\pi$
- $J=1^+$
 - $(KK)_{S\text{-phsp}}\pi$
 - $(K\pi)_{P\text{-phsp}}K$

2nd includes:

- $J=0^-$
 - $(KK)_{S\text{-phsp}}\pi$
- $J=1^+$
 - $(KK)_{S\text{-phsp}}\pi$
 - $(K\pi)_{P\text{-phsp}}K$
 - K^*K

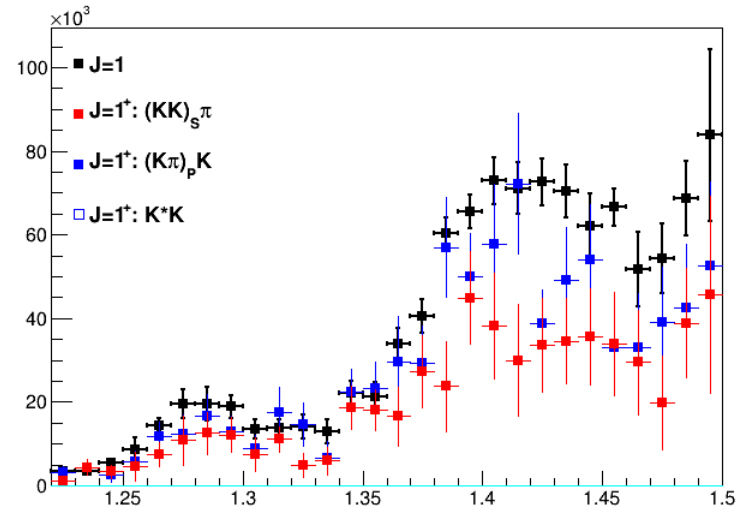
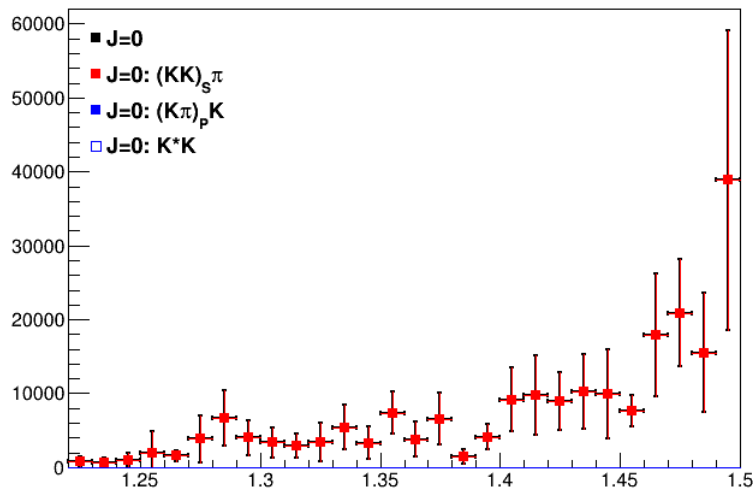
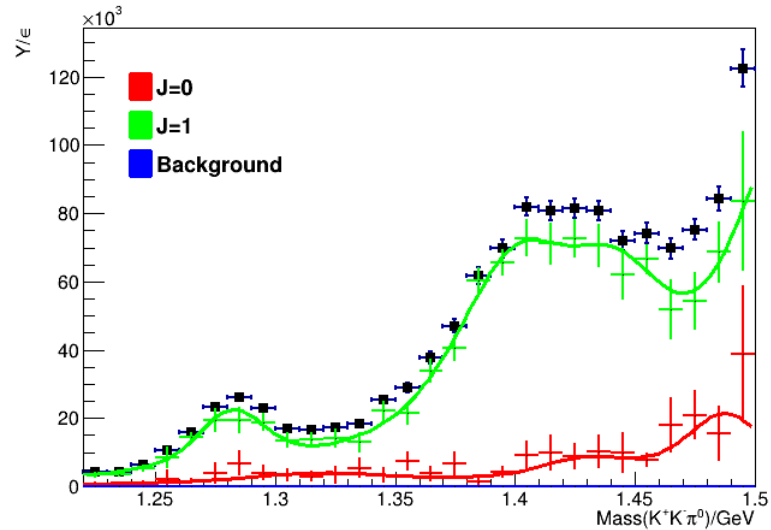
3rd includes:

- $J=0^-$
 - $(KK)_{S\text{-phsp}}\pi$
 - $(K\pi)_{P\text{-phsp}}K$
 - K^*K
- $J=1^+$
 - $(KK)_{S\text{-phsp}}\pi$
 - $(K\pi)_{P\text{-phsp}}K$
 - K^*K

Mass-independent PWA of $KK\pi$

Included:

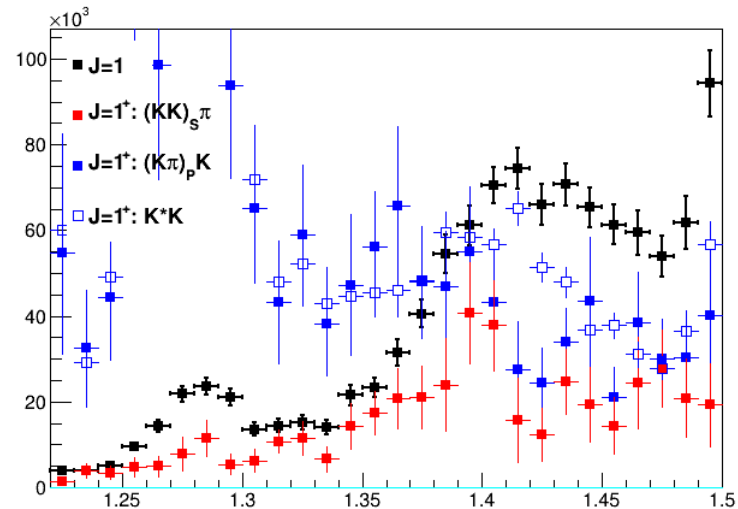
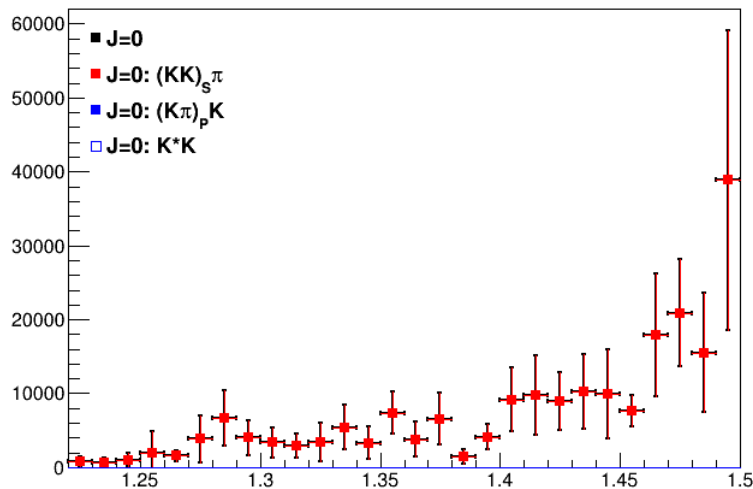
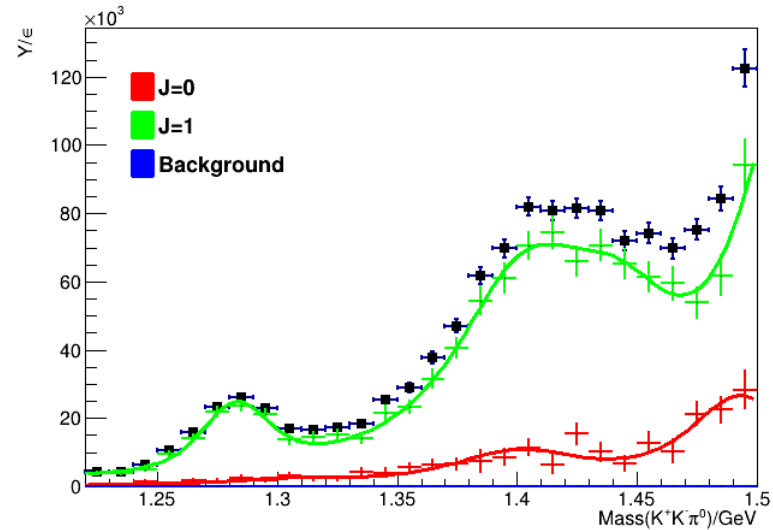
- $J=0^-$
 - $(KK)_{S-phsp}\pi$
- $J=1^+$
 - $(KK)_{S-phsp}\pi$
 - $(K\pi)_{P-phsp}K$



Mass-independent PWA of $KK\pi$

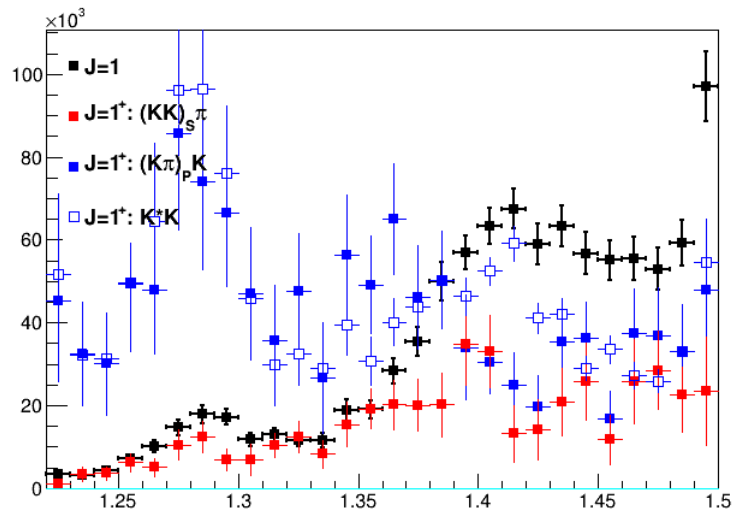
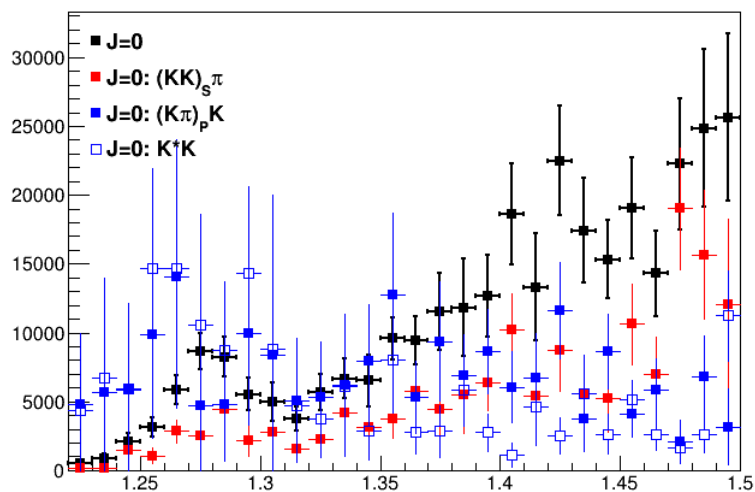
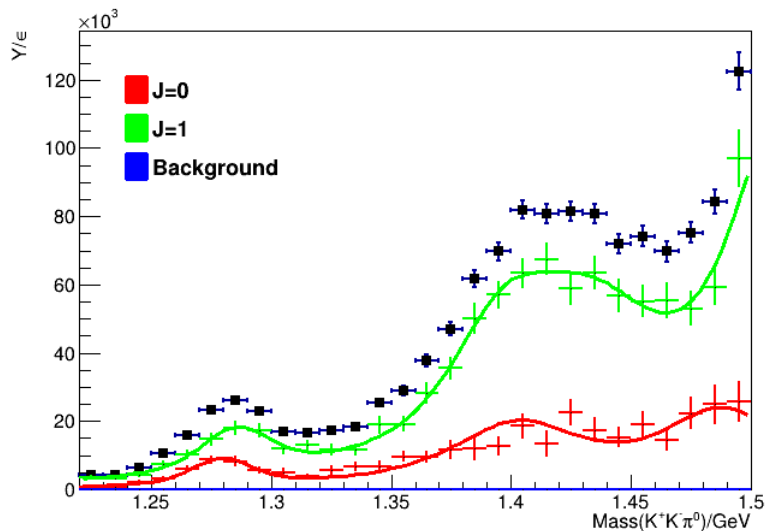
Included:

- $J=0^-$
 - $(KK)_{S\text{-phsp}}\pi$
- $J=1^+$
 - $(KK)_{S\text{-phsp}}\pi$
 - $(K\pi)_{P\text{-phsp}}K$
 - K^*K

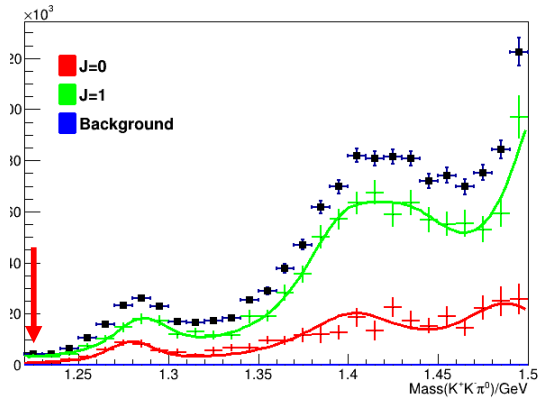
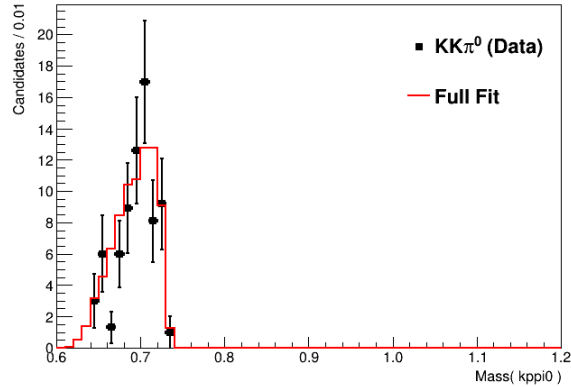
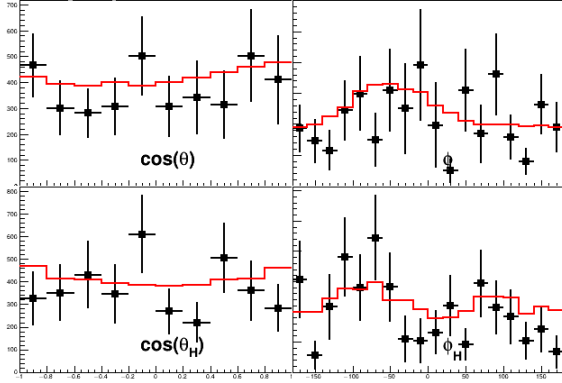


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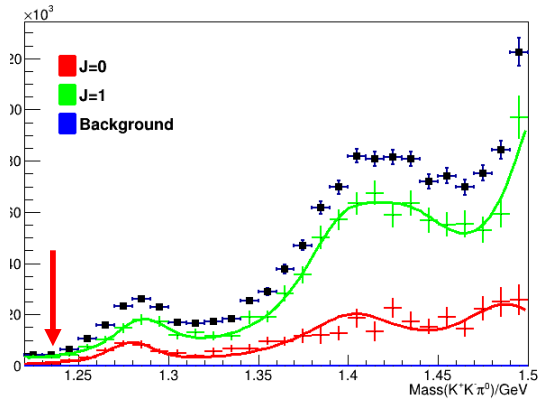
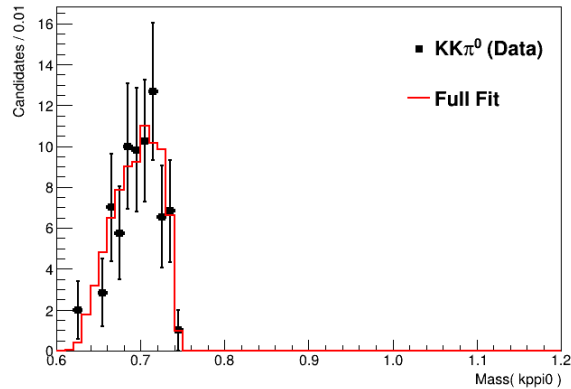
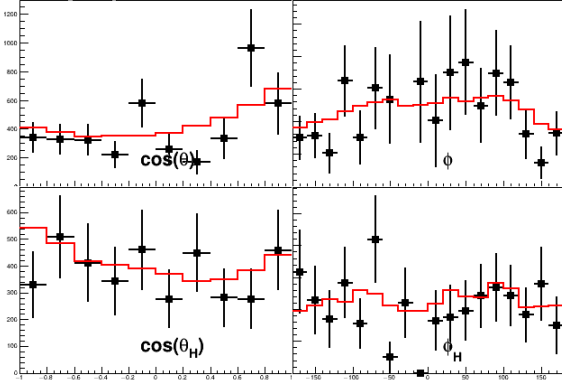
- $J=0^-$
 - $(KK)_{S-phsp}\pi$
 - $(K\pi)_{P-phsp}K$
 - K^*K
- $J=1^+$
 - $(KK)_{S-phsp}\pi$
 - $(K\pi)_{P-phsp}K$
 - K^*K



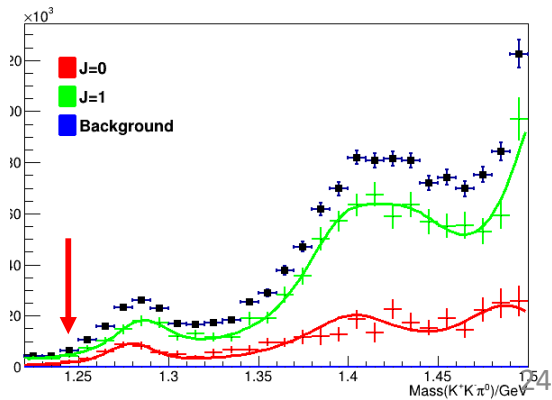
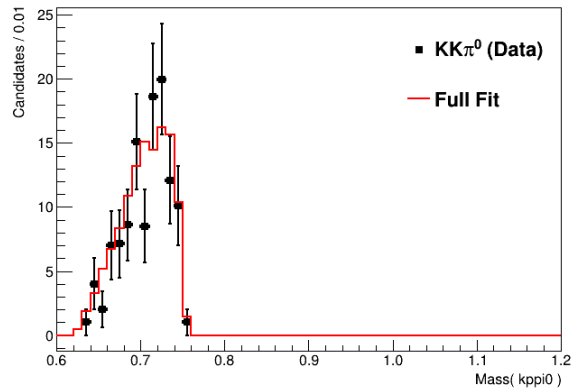
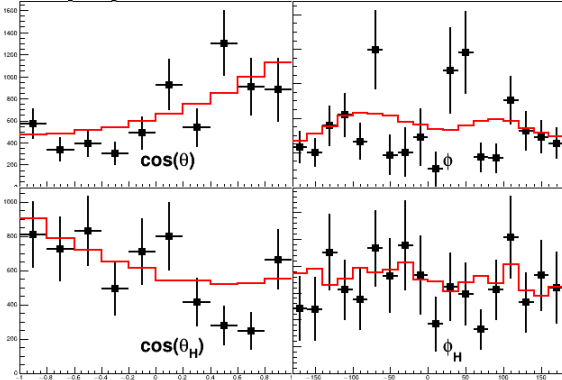
Mass[$KK\pi$] = 1225 MeV



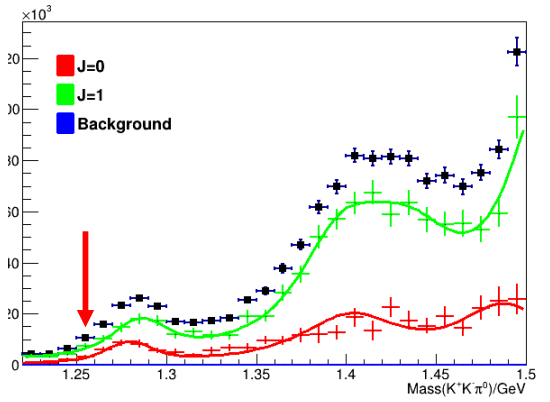
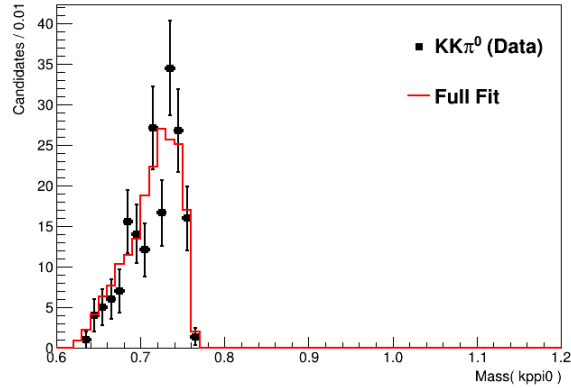
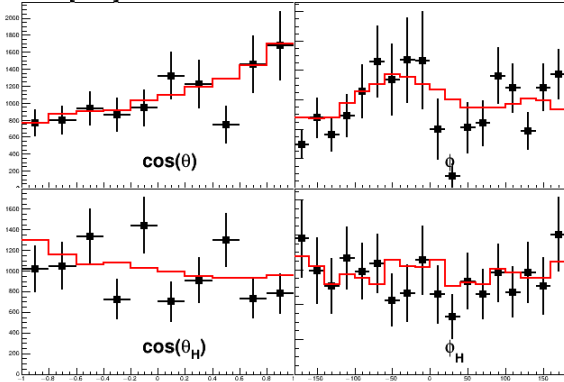
Mass[$KK\pi$] = 1235 MeV



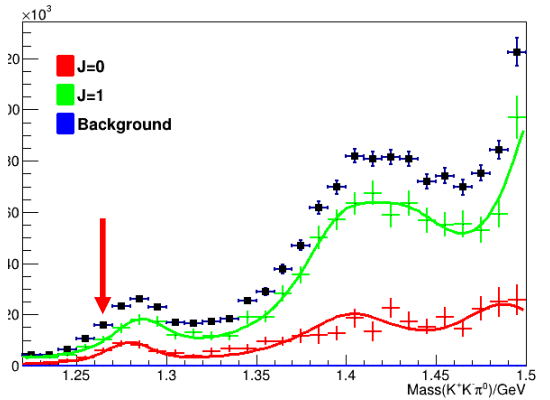
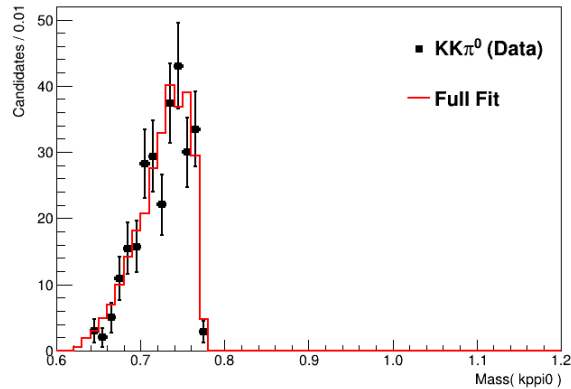
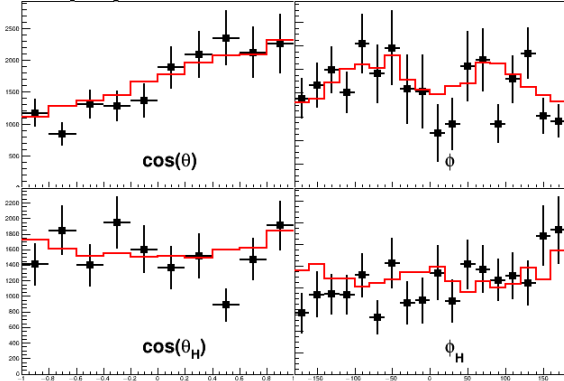
Mass[$KK\pi$] = 1245 MeV



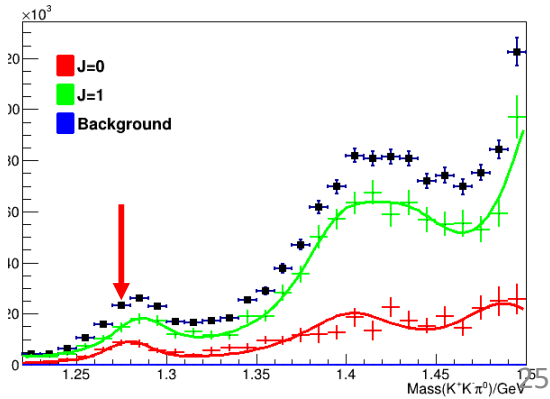
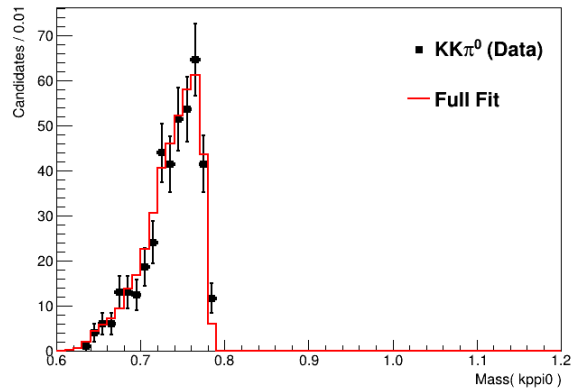
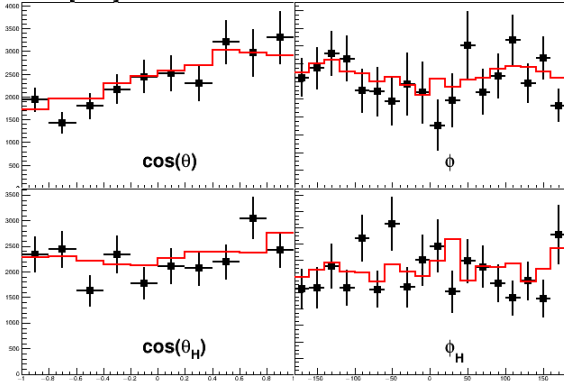
Mass[KK π] = 1255 MeV



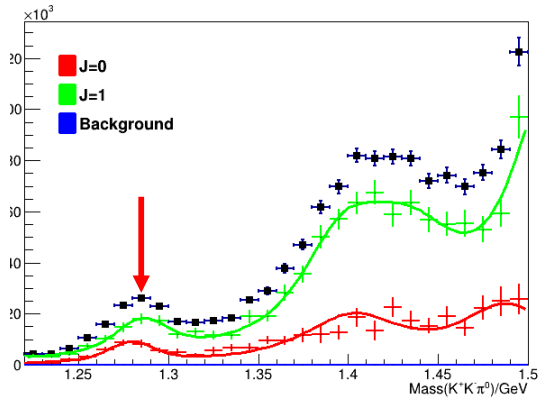
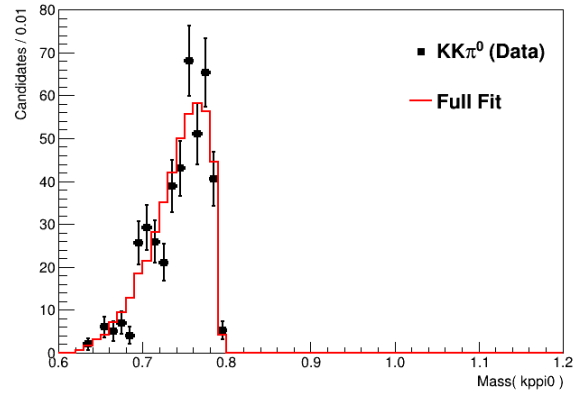
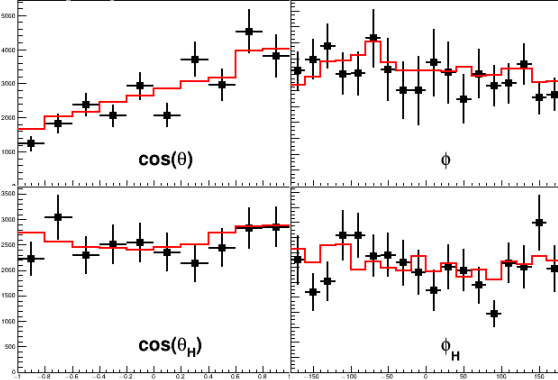
Mass[KK π] = 1265 MeV



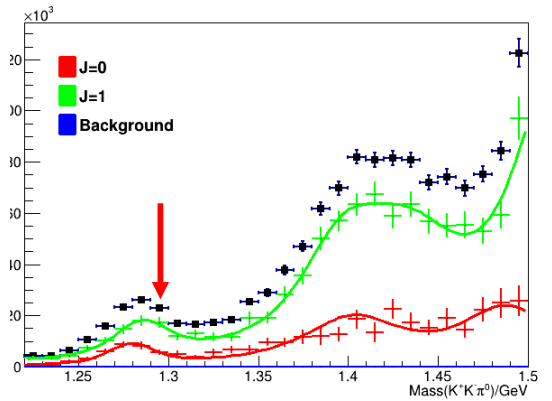
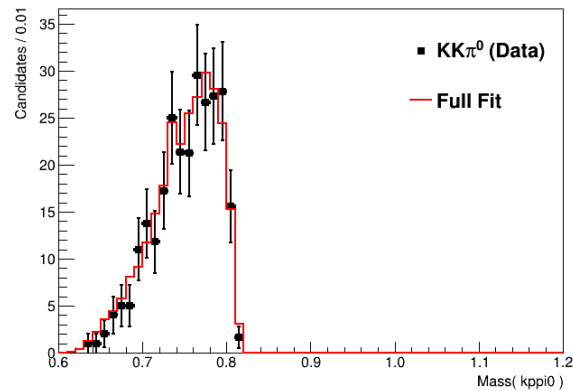
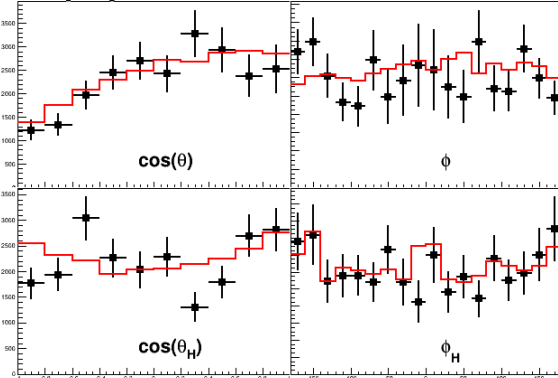
Mass[KK π] = 1275 MeV



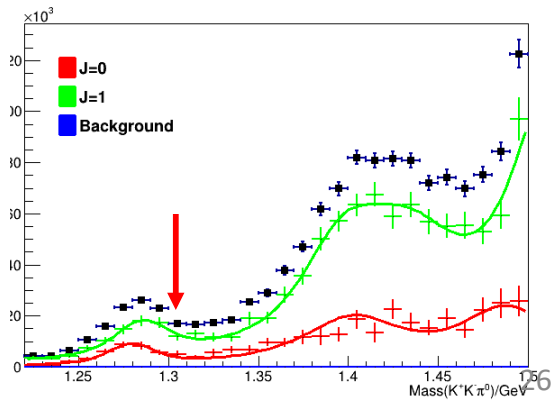
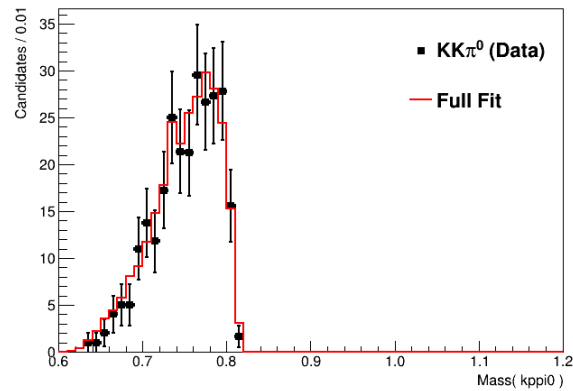
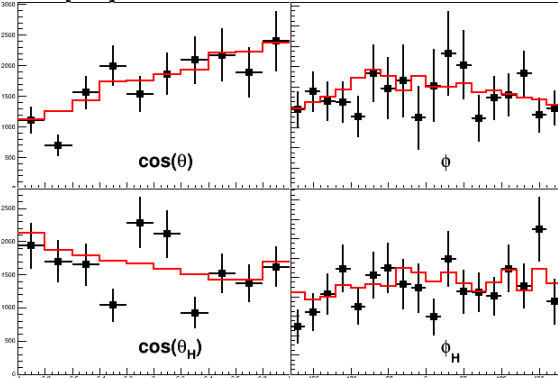
Mass[KK π] = 1285 MeV



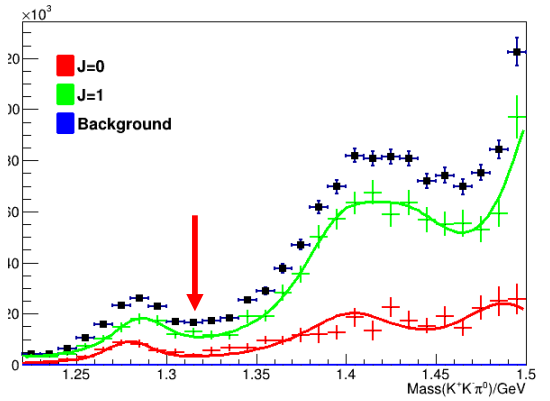
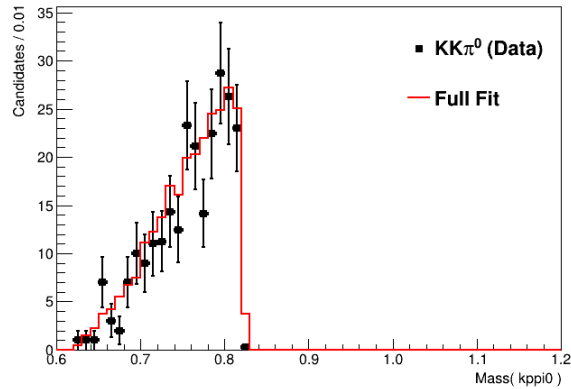
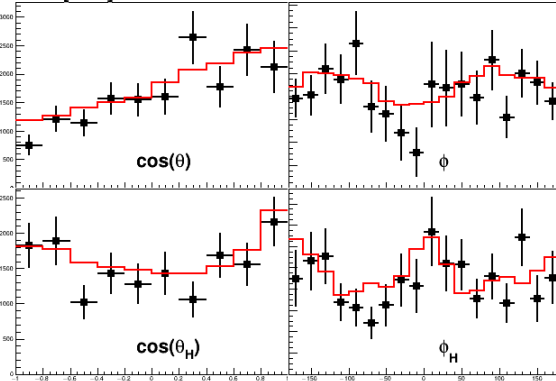
Mass[KK π] = 1295 MeV



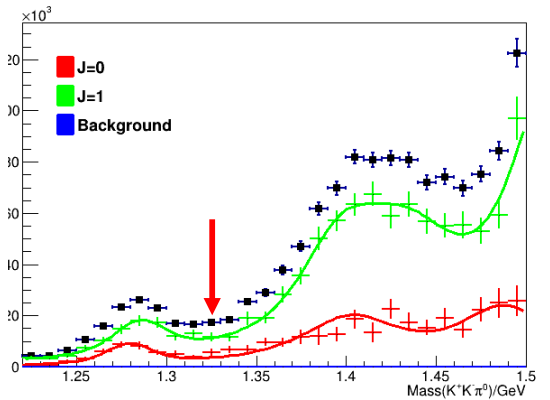
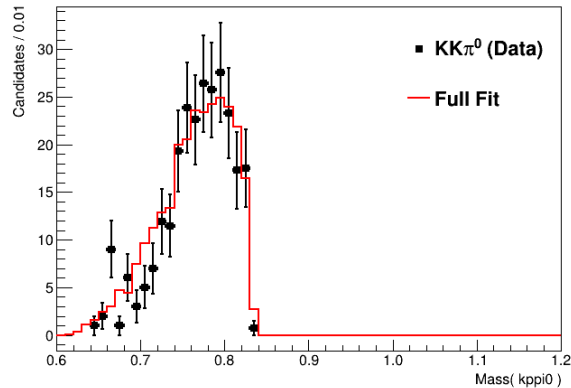
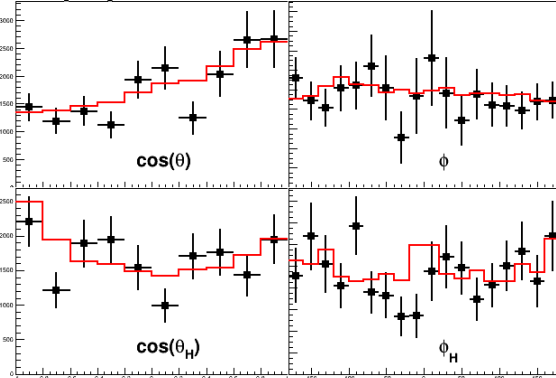
Mass[KK π] = 1305 MeV



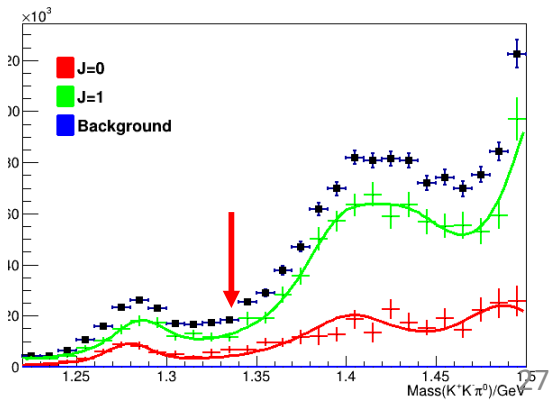
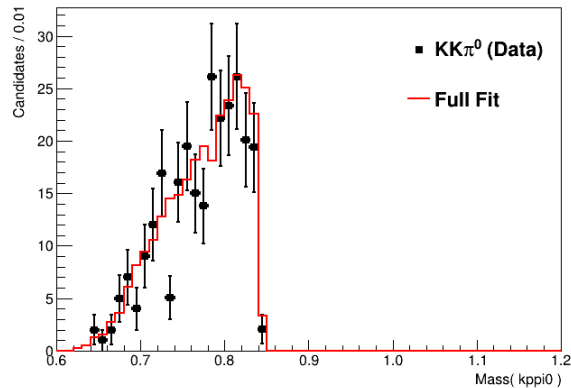
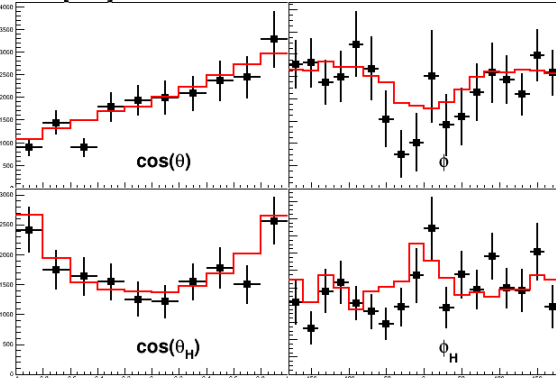
Mass[KK π] = 1315 MeV



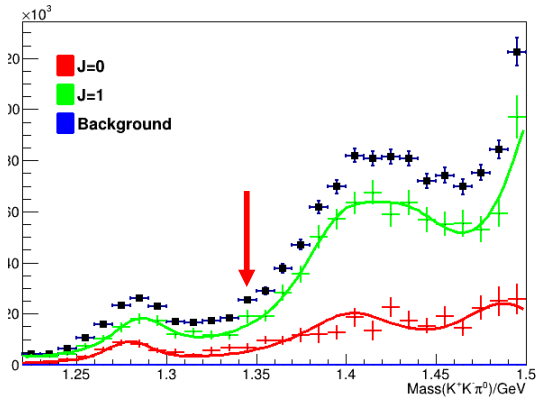
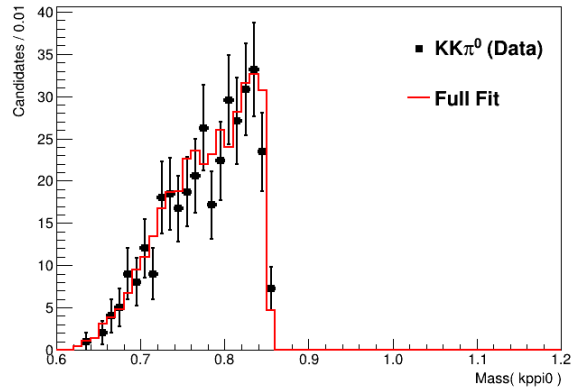
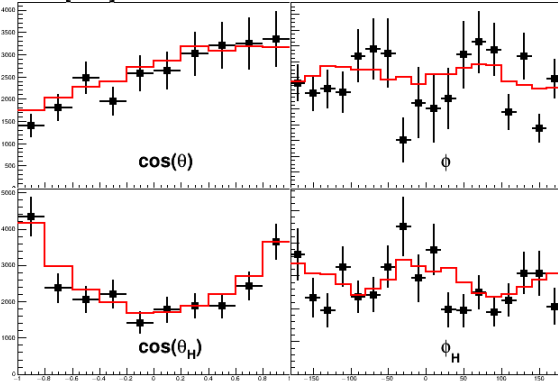
Mass[KK π] = 1325 MeV



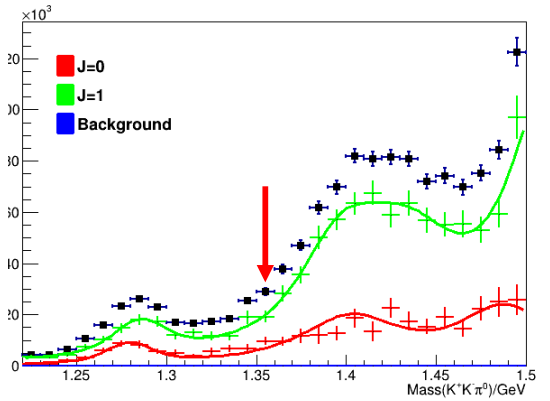
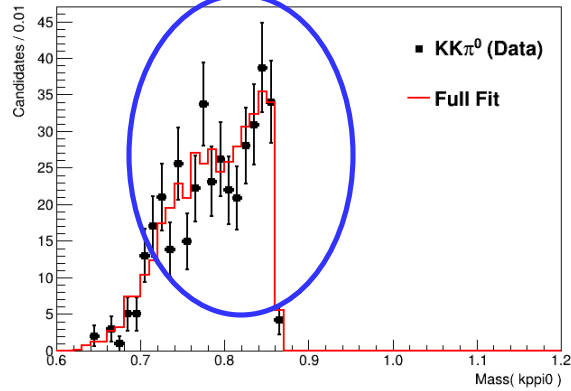
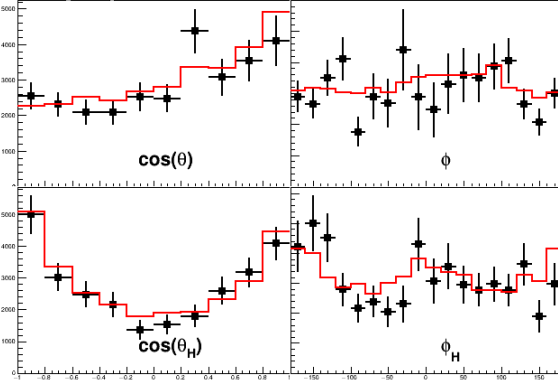
Mass[KK π] = 1335 MeV



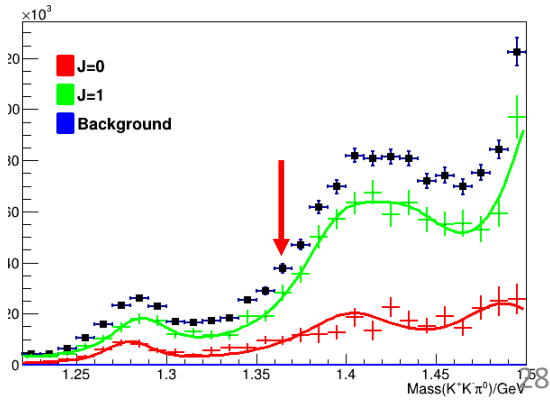
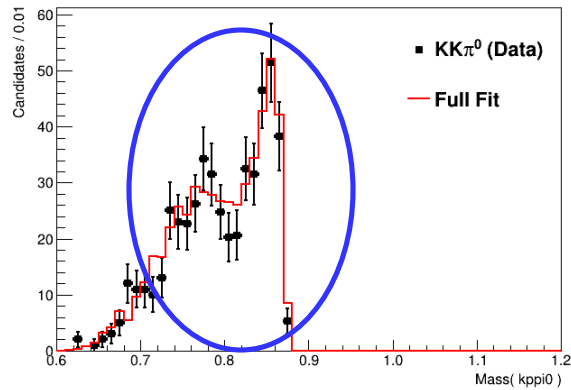
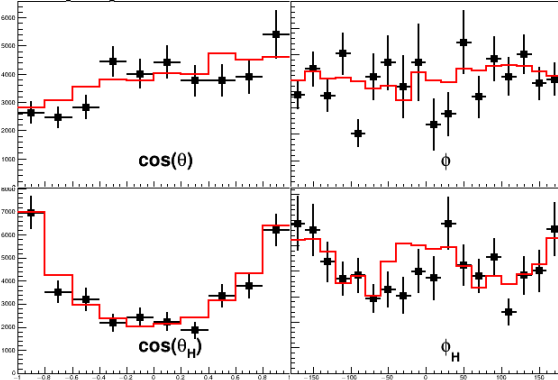
Mass[$KK\pi$] = 1345 MeV



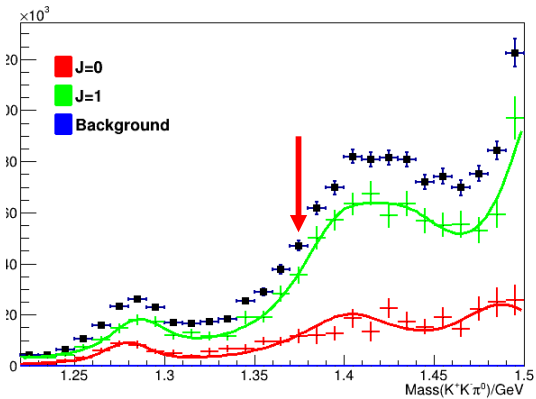
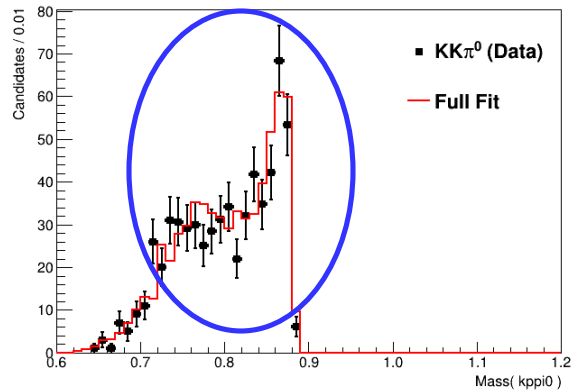
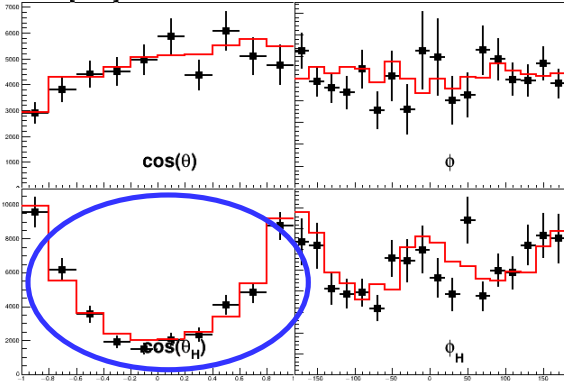
Mass[$KK\pi$] = 1355 MeV



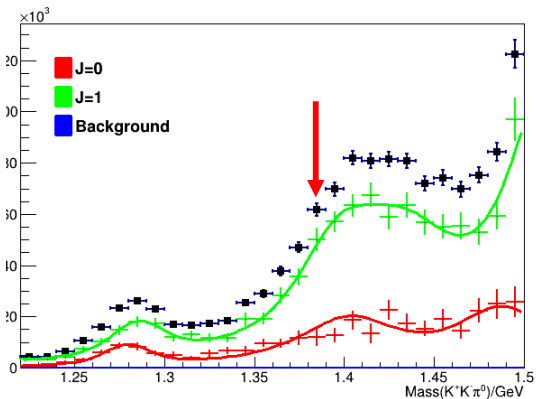
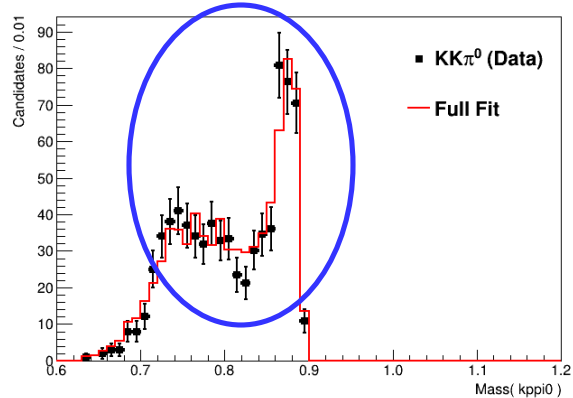
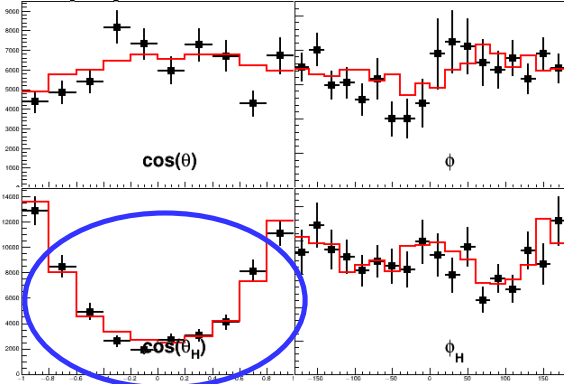
Mass[$KK\pi$] = 1365 MeV



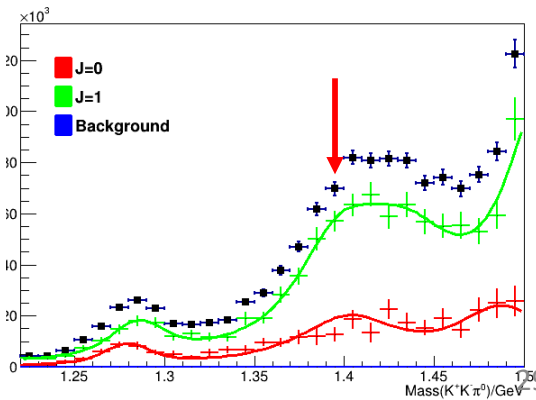
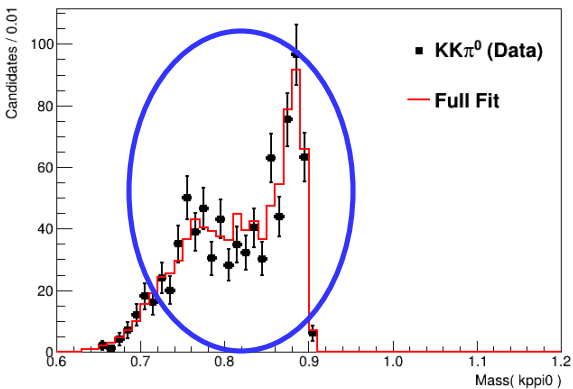
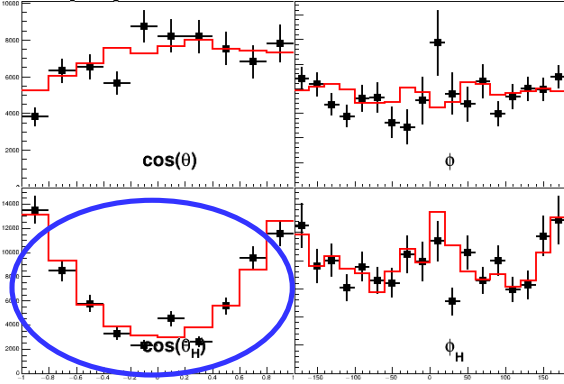
Mass[KK π] = 1375 MeV



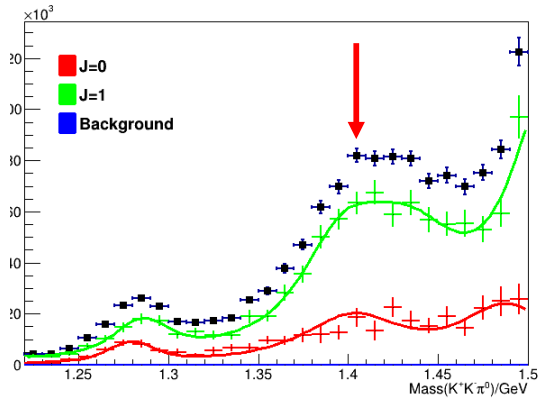
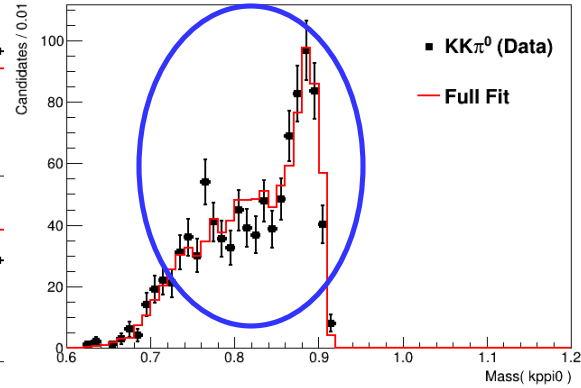
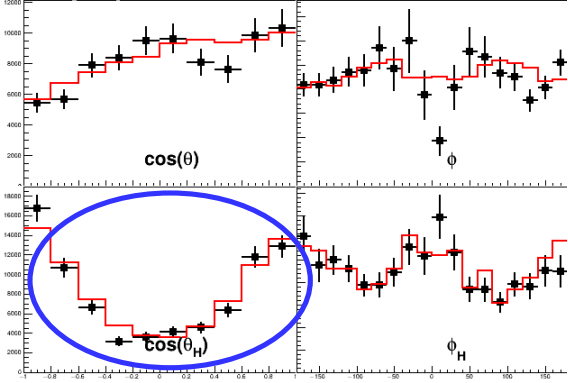
Mass[KK π] = 1385 MeV



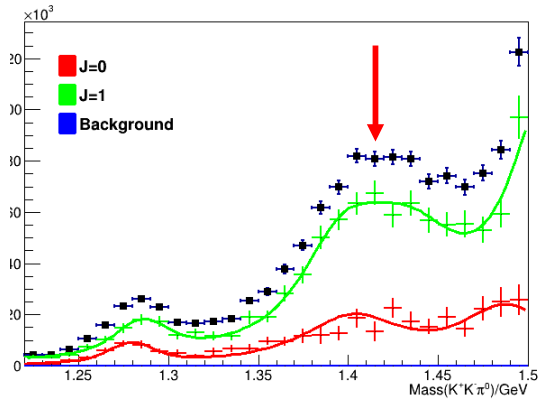
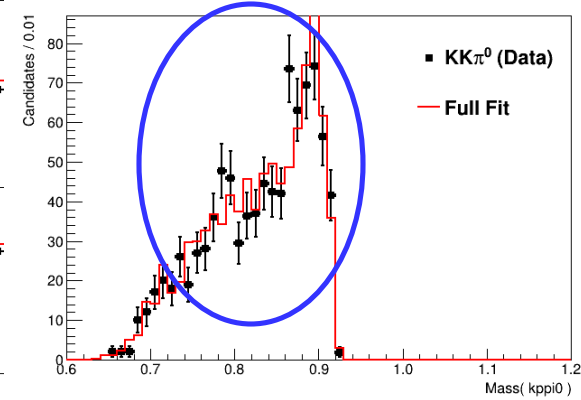
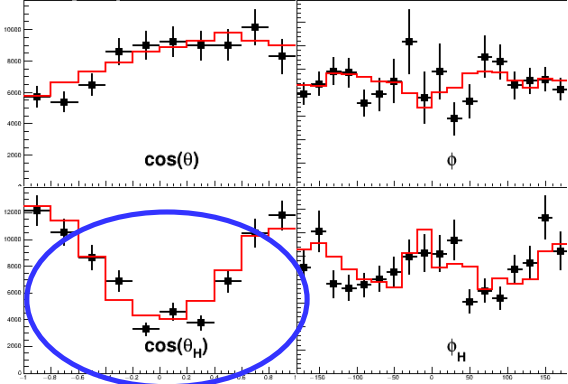
Mass[KK π] = 1395 MeV



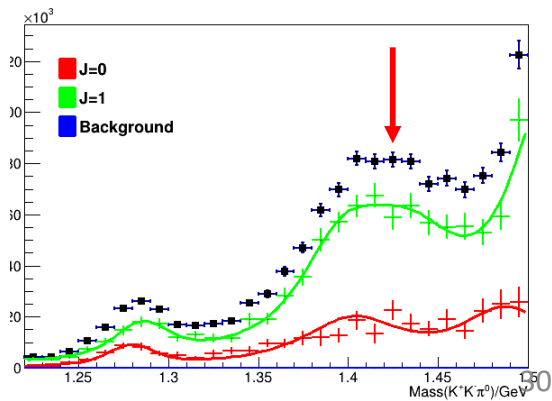
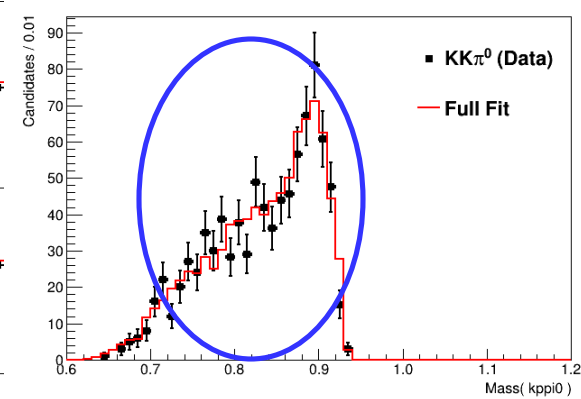
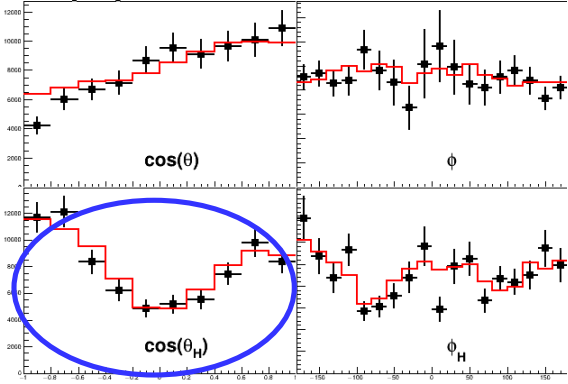
Mass[KK π] = 1405 MeV

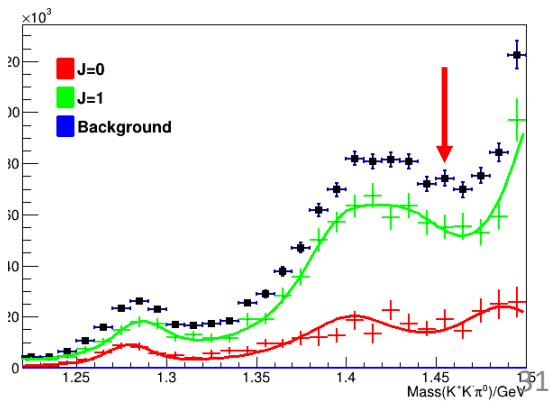
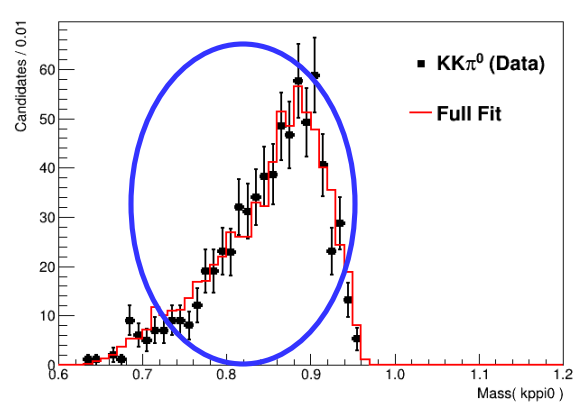
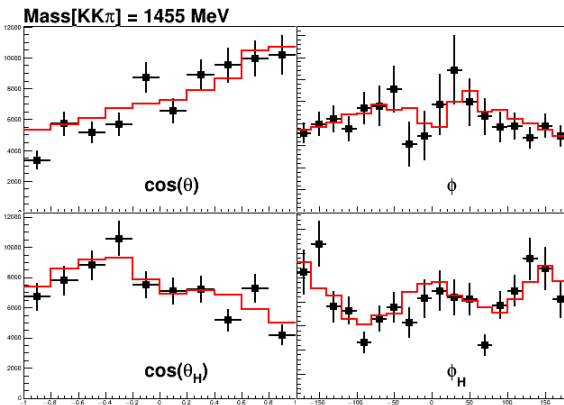
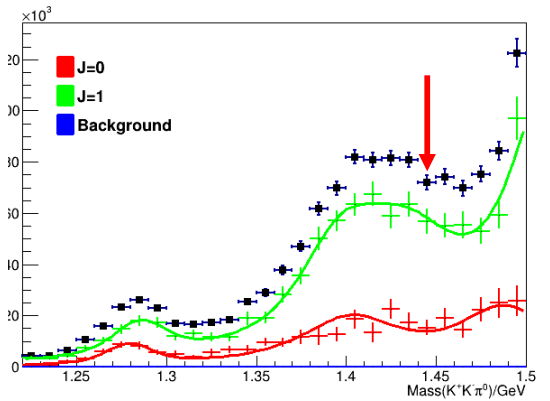
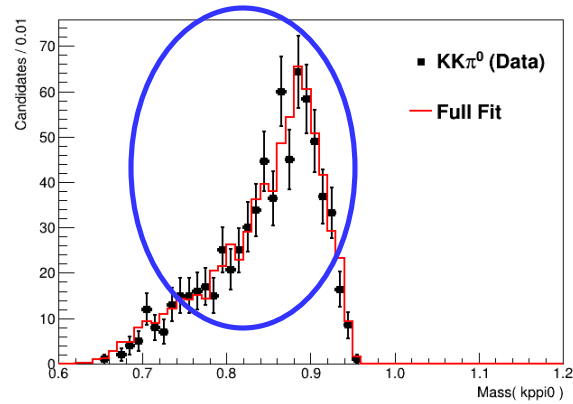
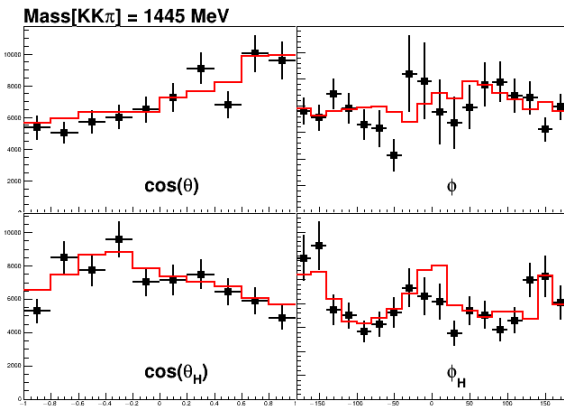
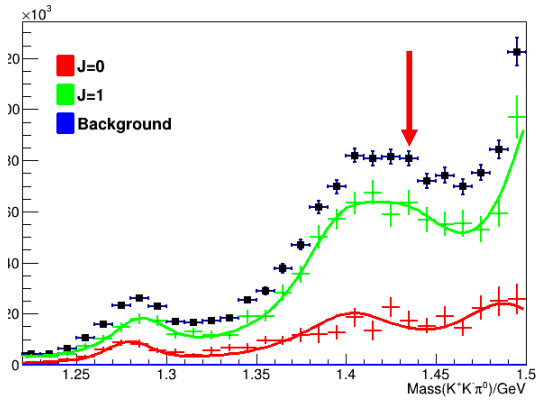
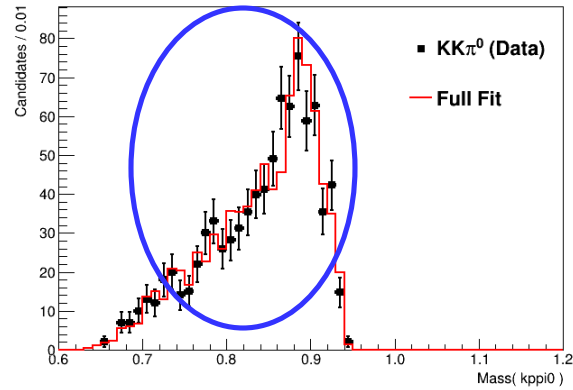
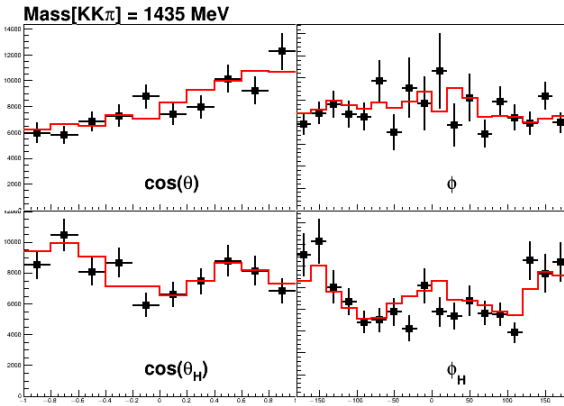


Mass[KK π] = 1415 MeV

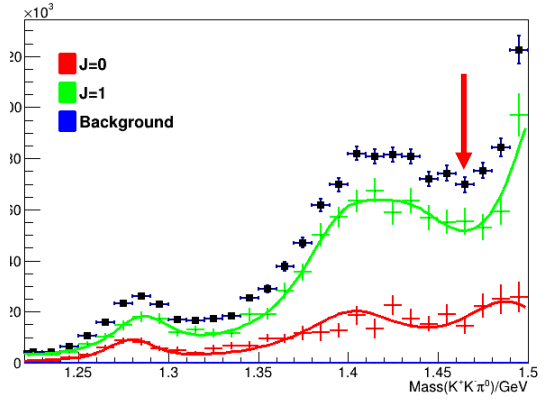
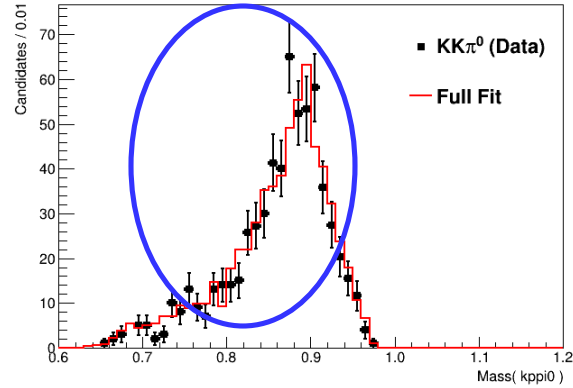
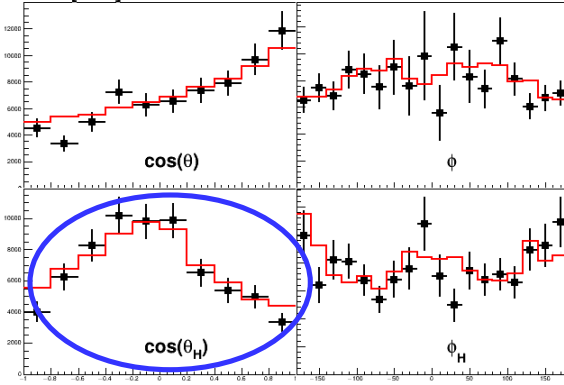


Mass[KK π] = 1425 MeV

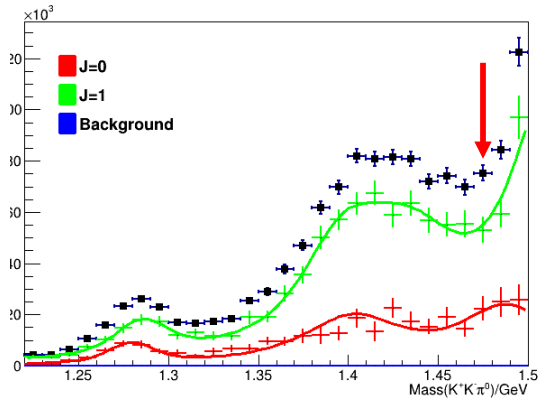
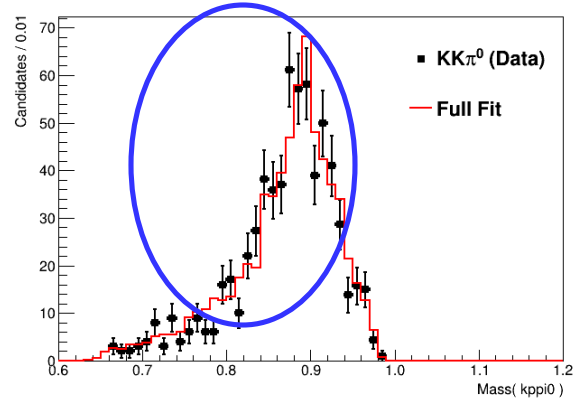
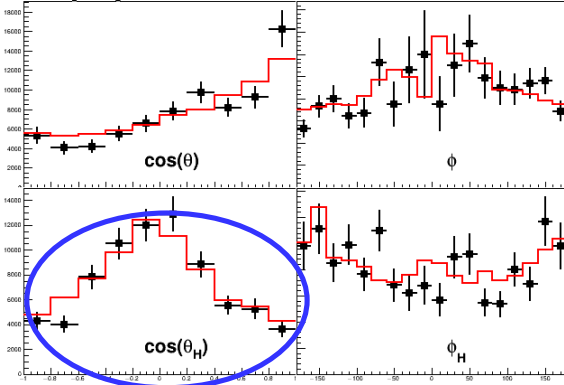




Mass[$KK\pi$] = 1465 MeV



Mass[$KK\pi$] = 1475 MeV



Mass[$KK\pi$] = 1485 MeV

