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

First look at
PWA using phase space $KK\pi$ mass

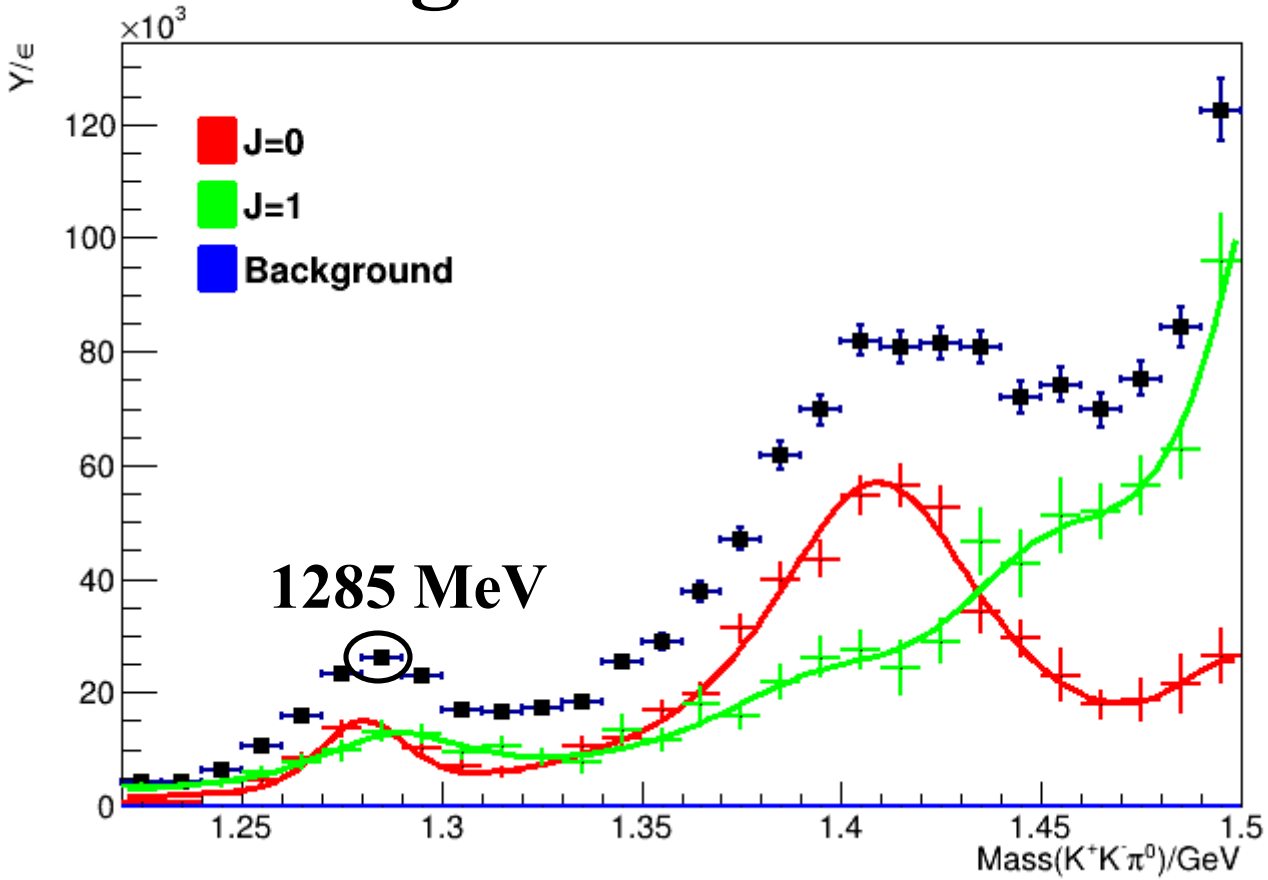
Mass-independent PWA of $KK\pi$

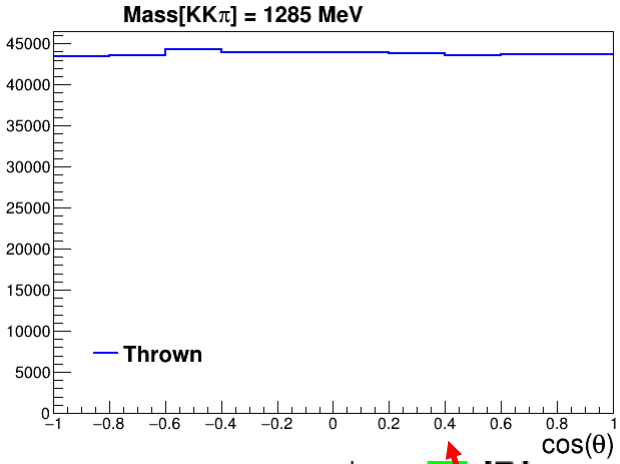
Included:

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

PWA Results for $J = 0,1$ and background

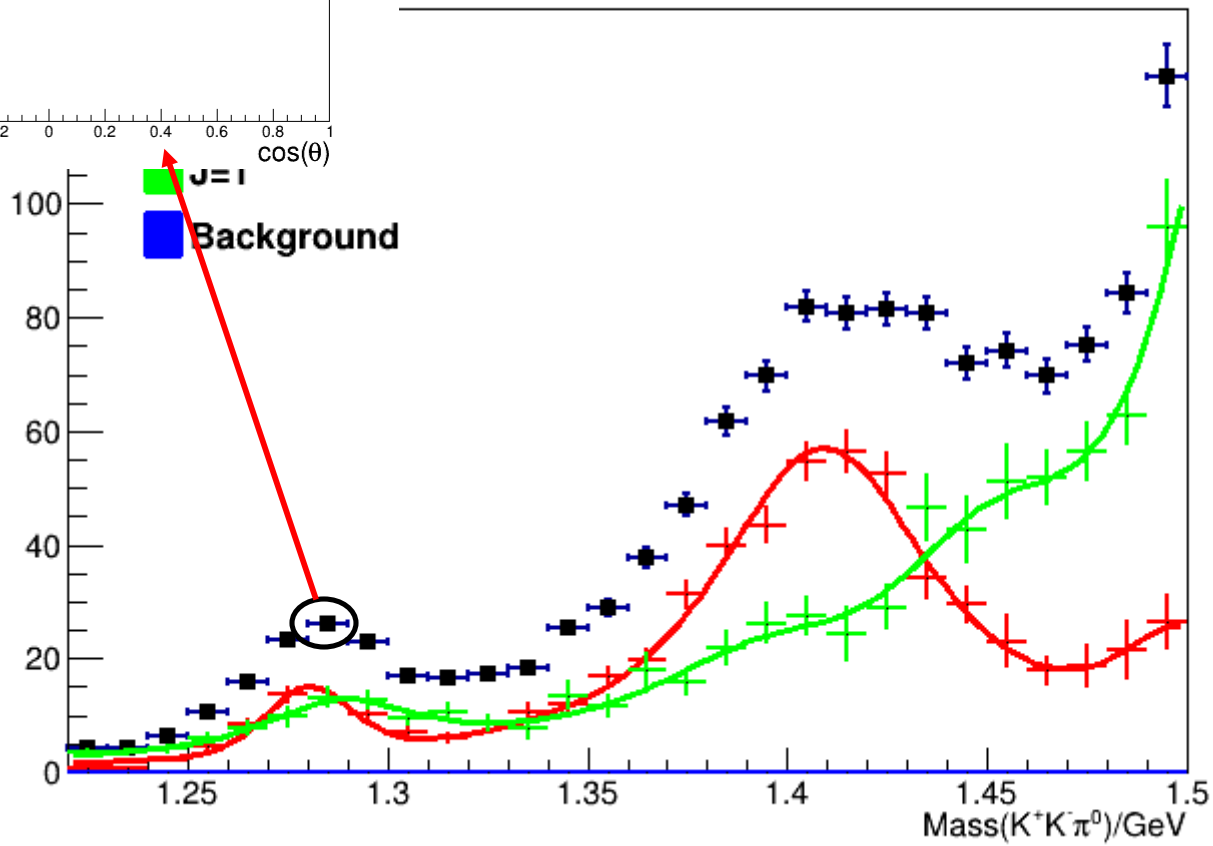
Angular fit results



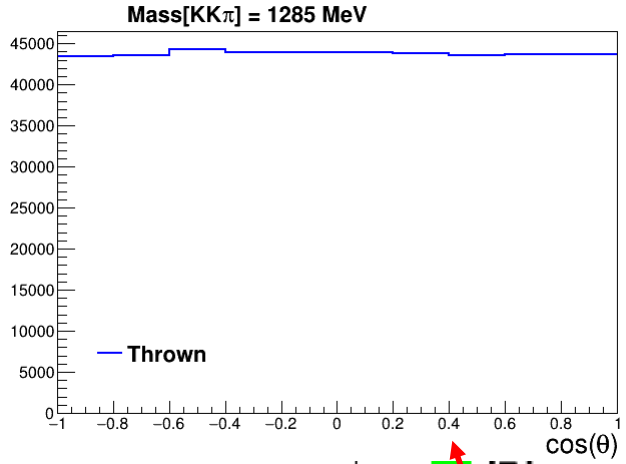


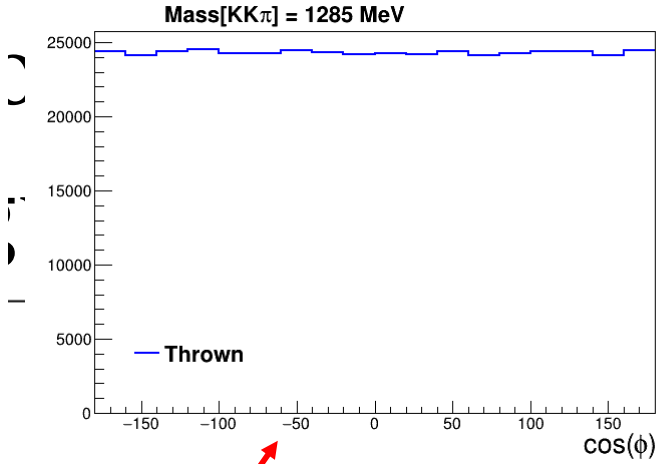
or $J = 0,1$ and background

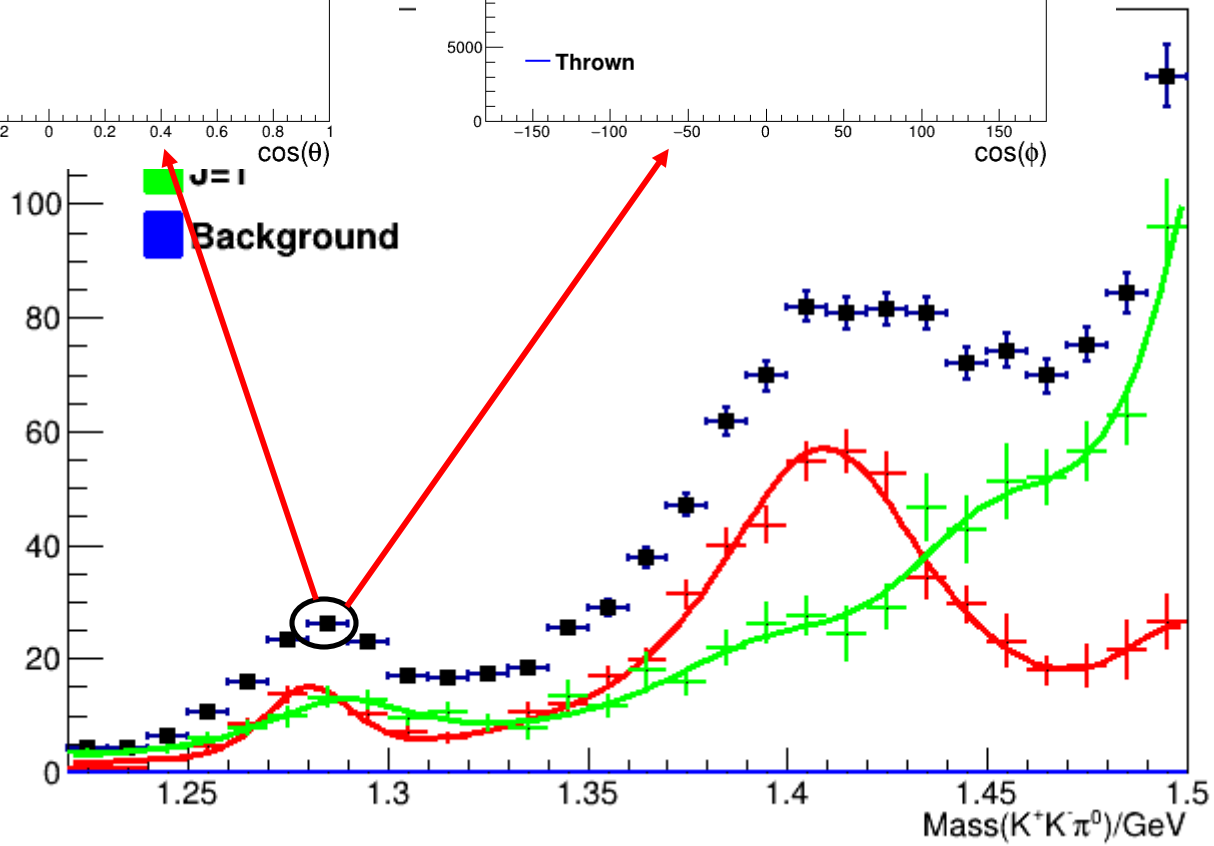
gular fit results



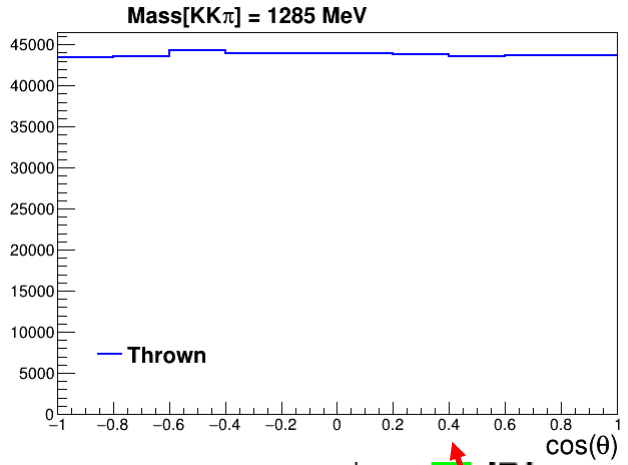
ckground

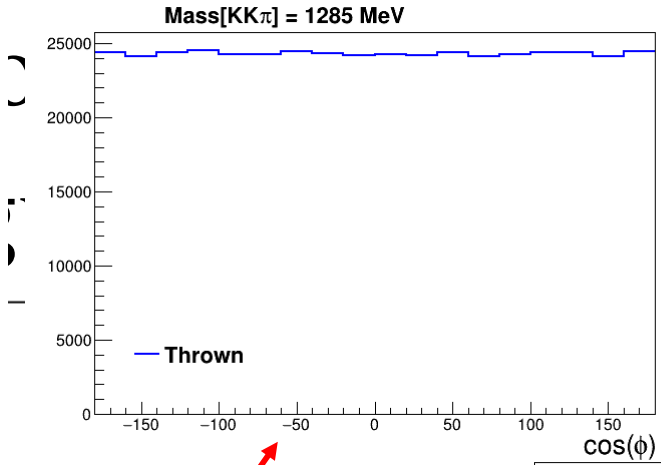

Mass[KKπ] = 1285 MeV
Thrown
cos(θ)

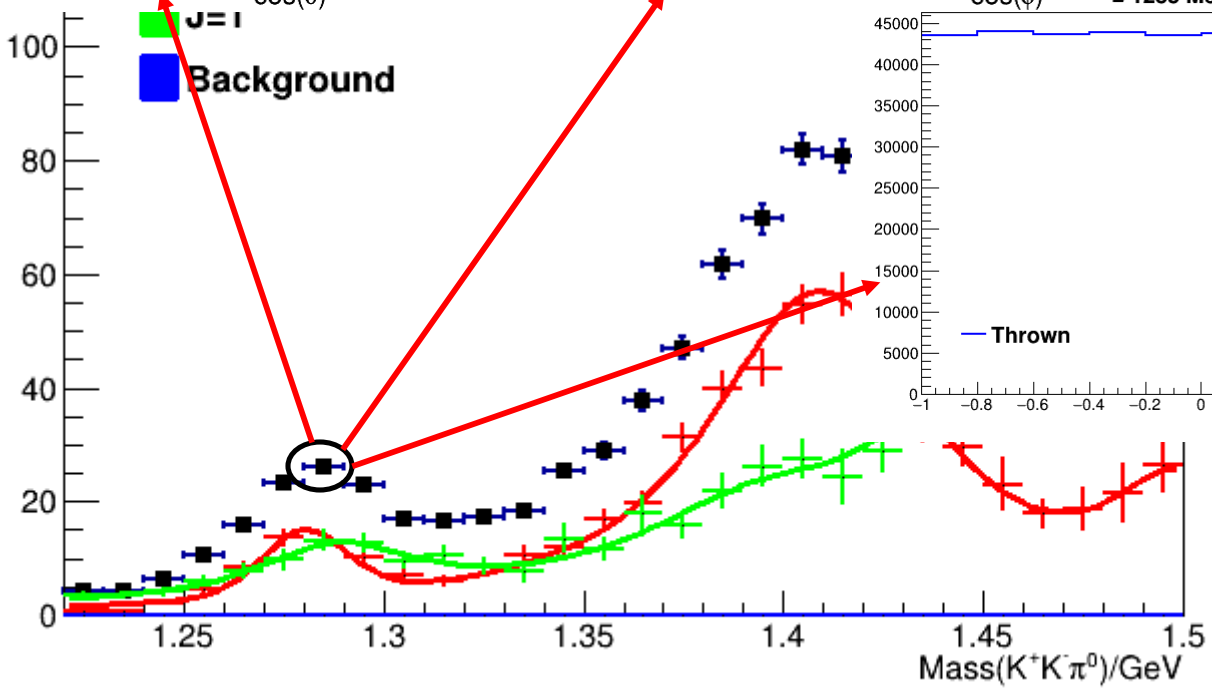

Mass[KKπ] = 1285 MeV
Thrown
cos(ϕ)


Background
Mass(K⁺K⁻π⁰)/GeV

ckground

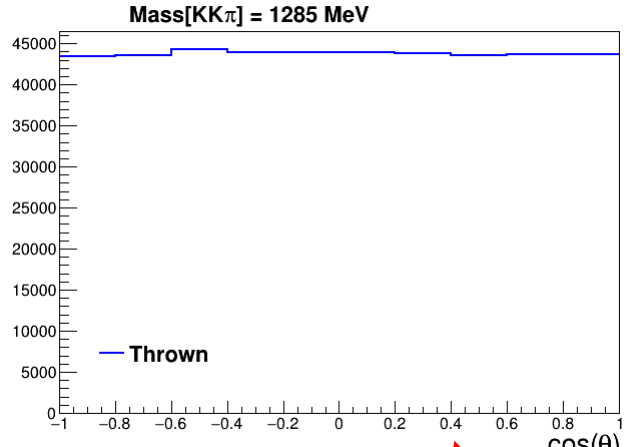

Mass[KKπ] = 1285 MeV
Thrown
cos(θ)

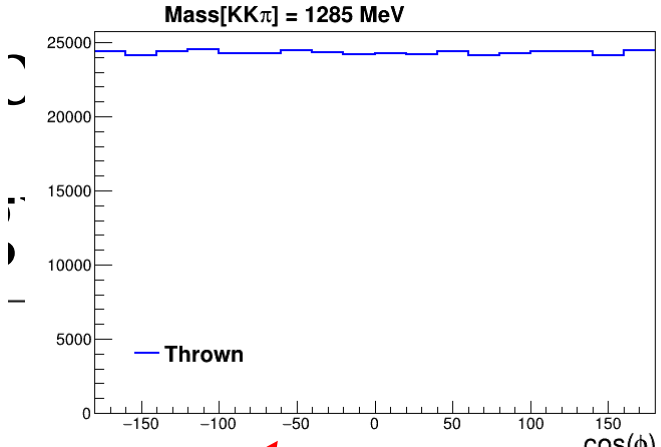

Mass[KKπ] = 1285 MeV
Thrown
cos(ϕ)

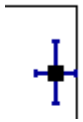

Background
Mass(K⁺K⁻π⁰)/GeV

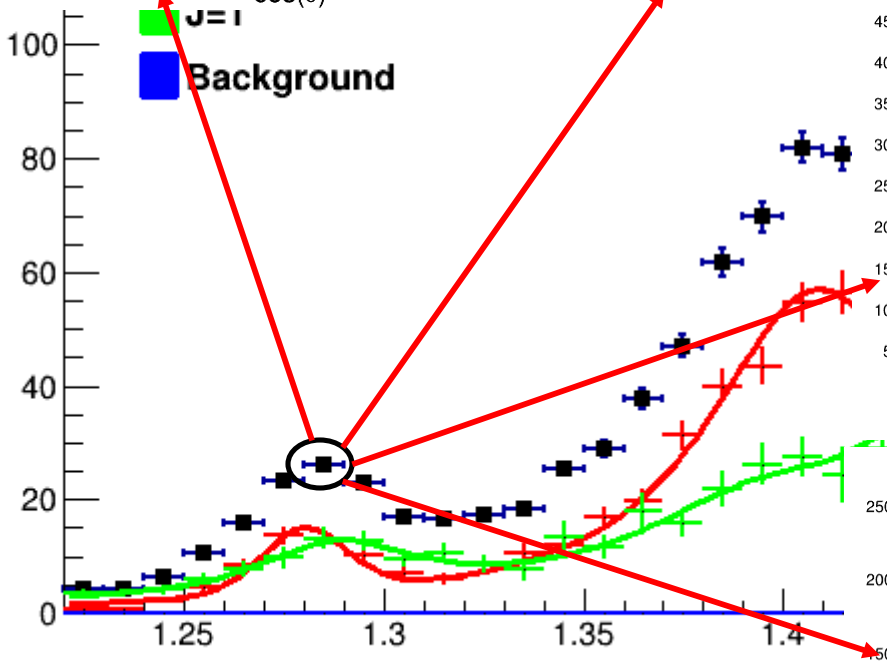
= 1285 MeV
Thrown
cos(θH)

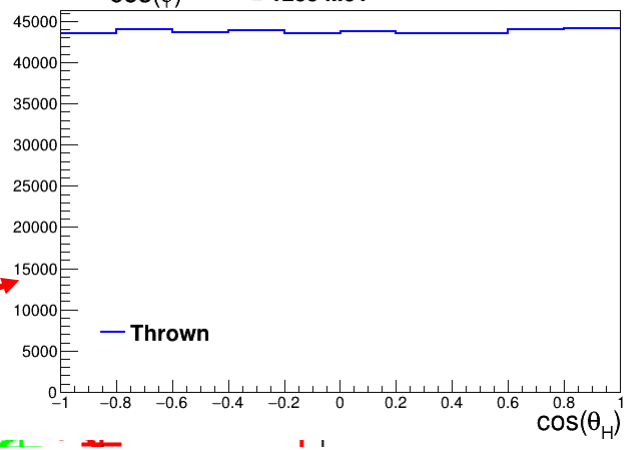
ckground

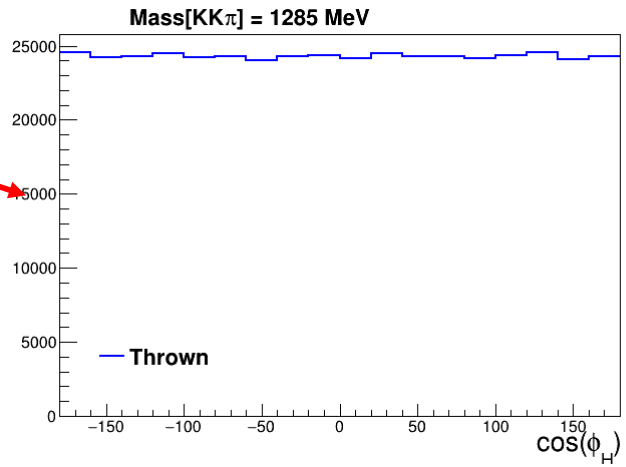






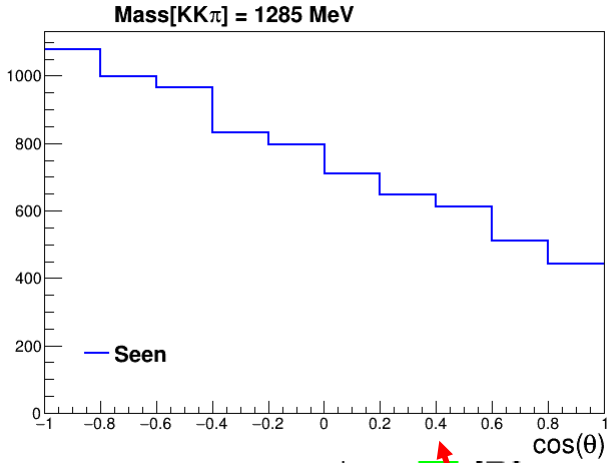


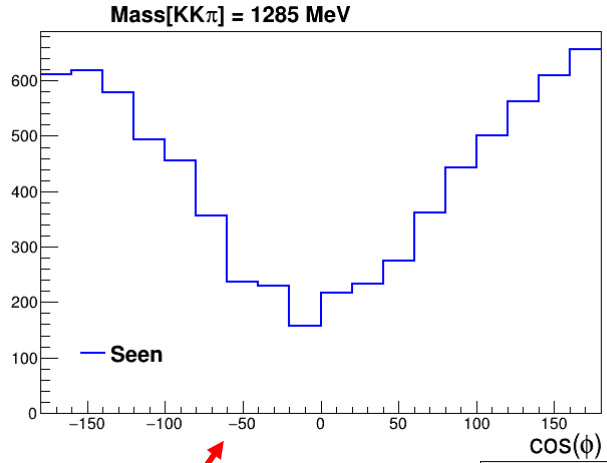


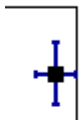


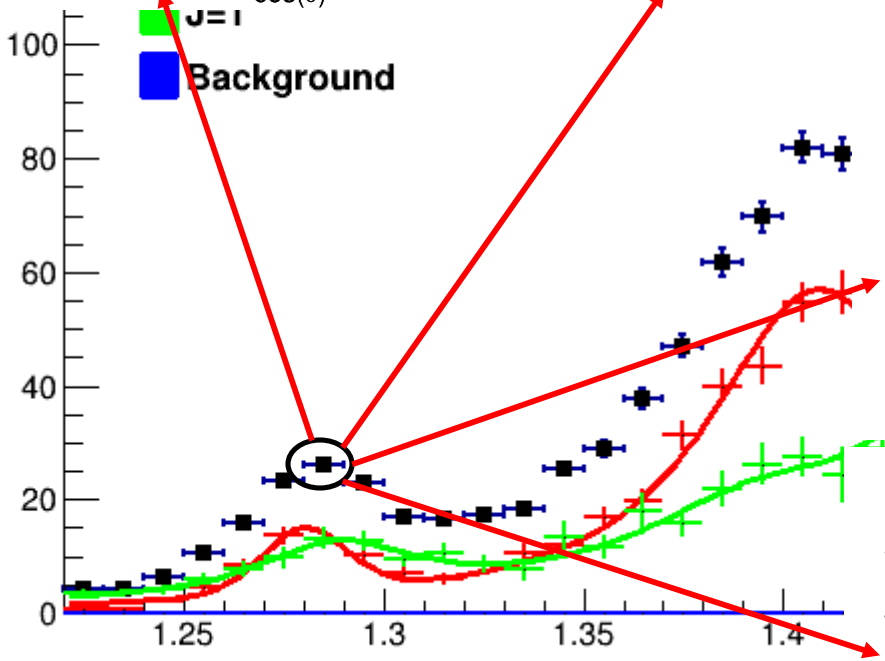
ASU

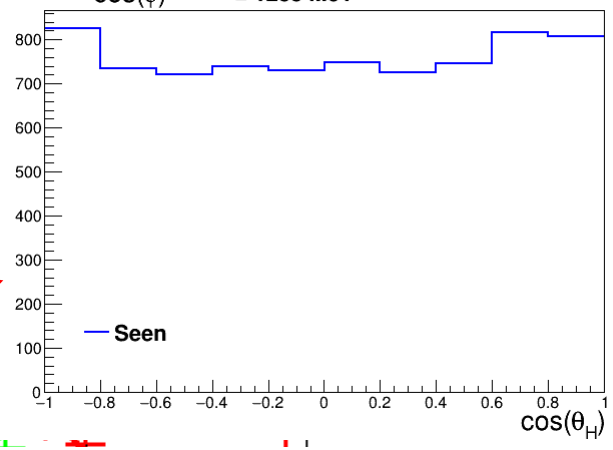
ckground

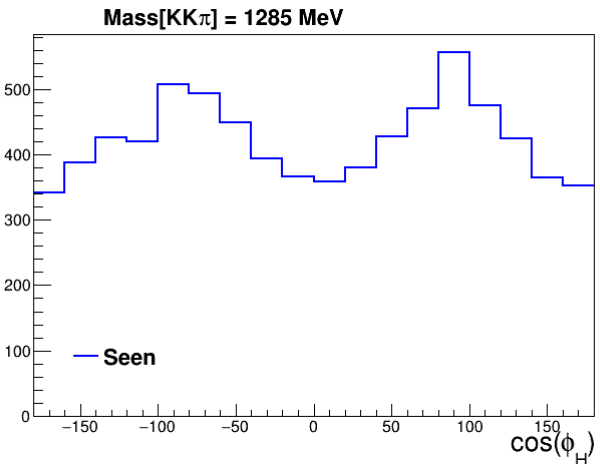






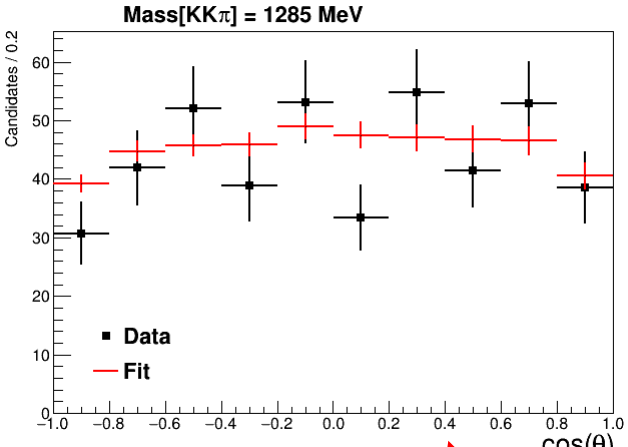


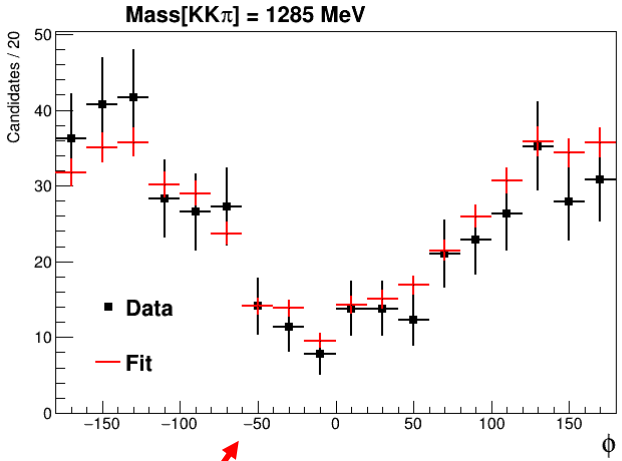


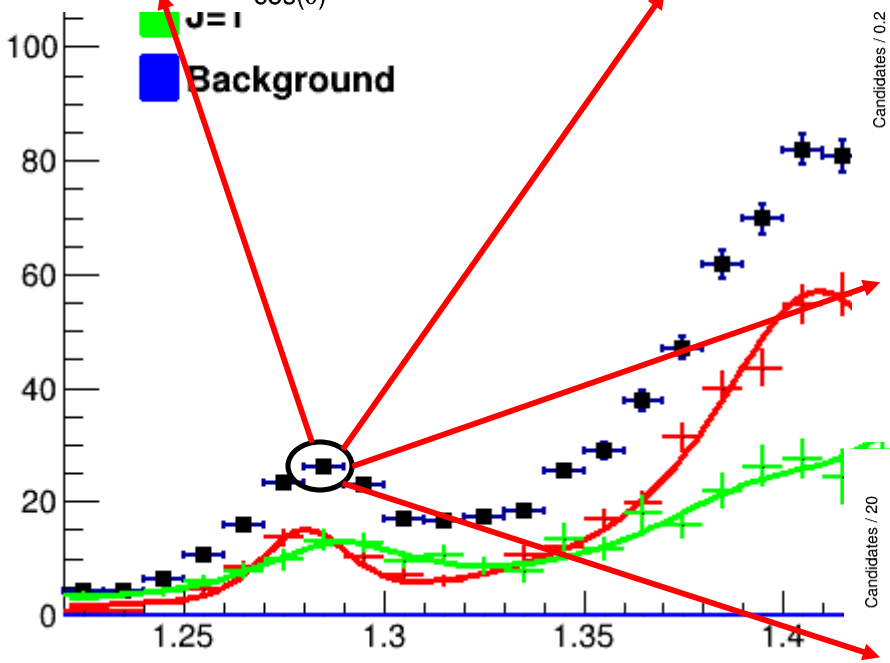


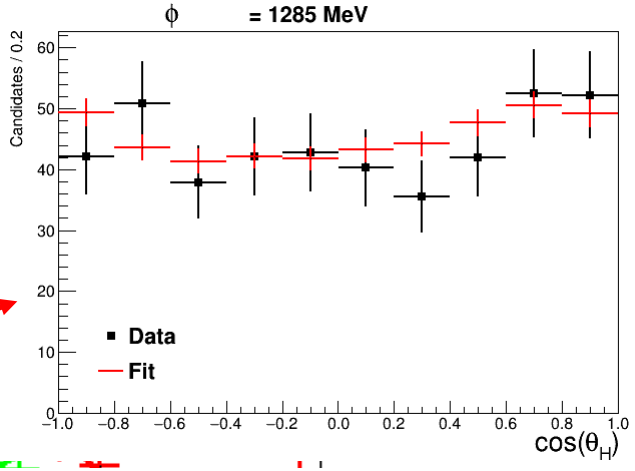
ASU

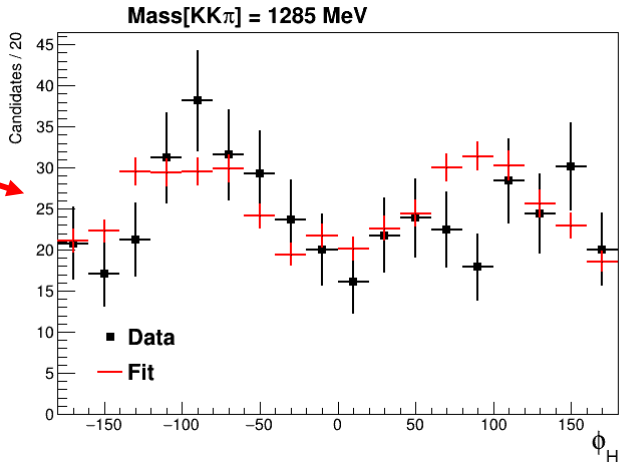
ckground





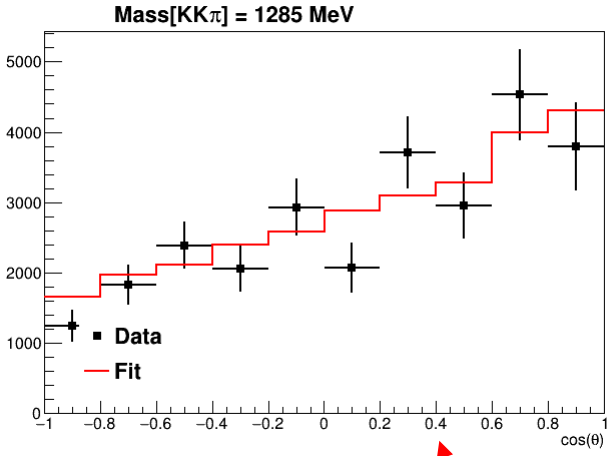


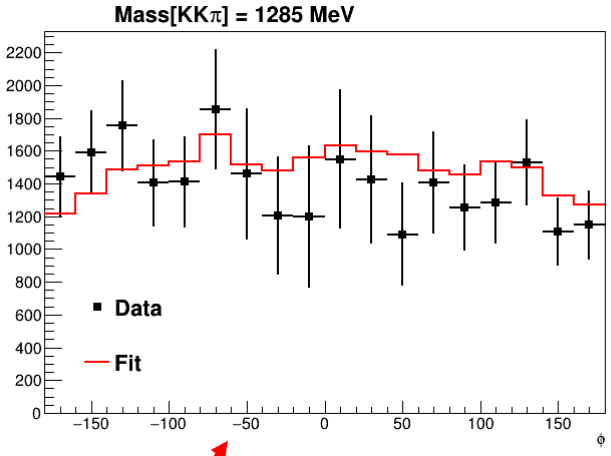


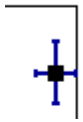


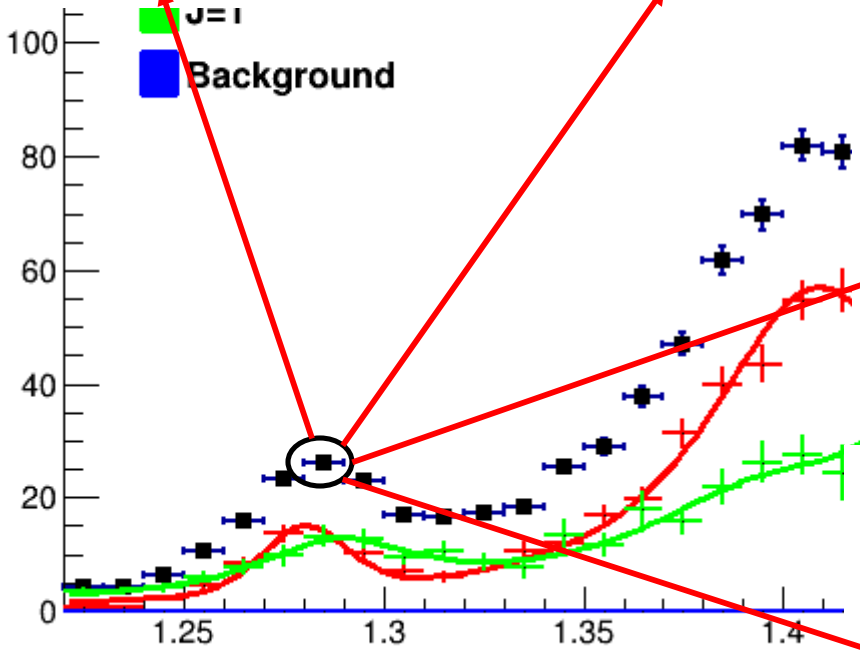
ASU

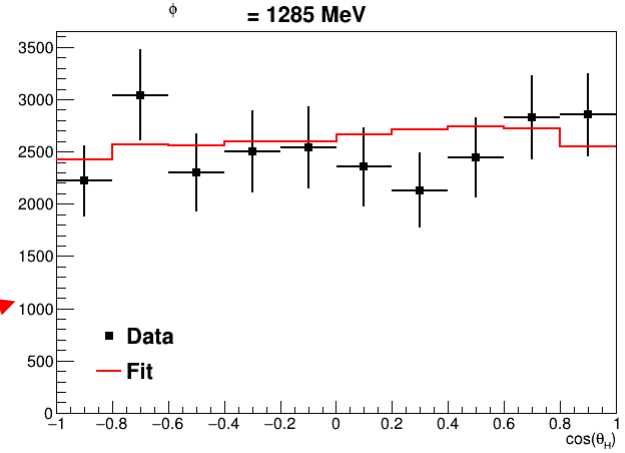
ckground

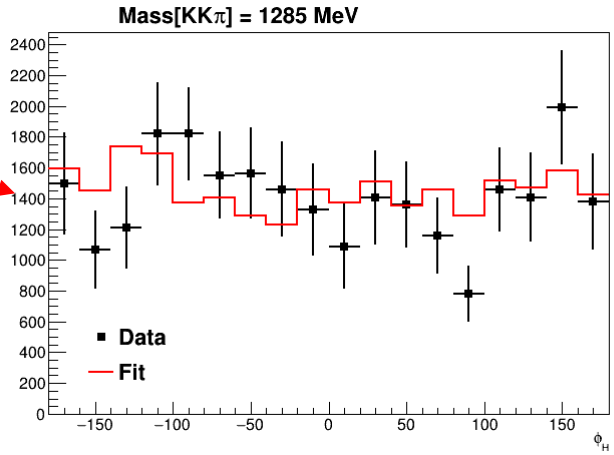










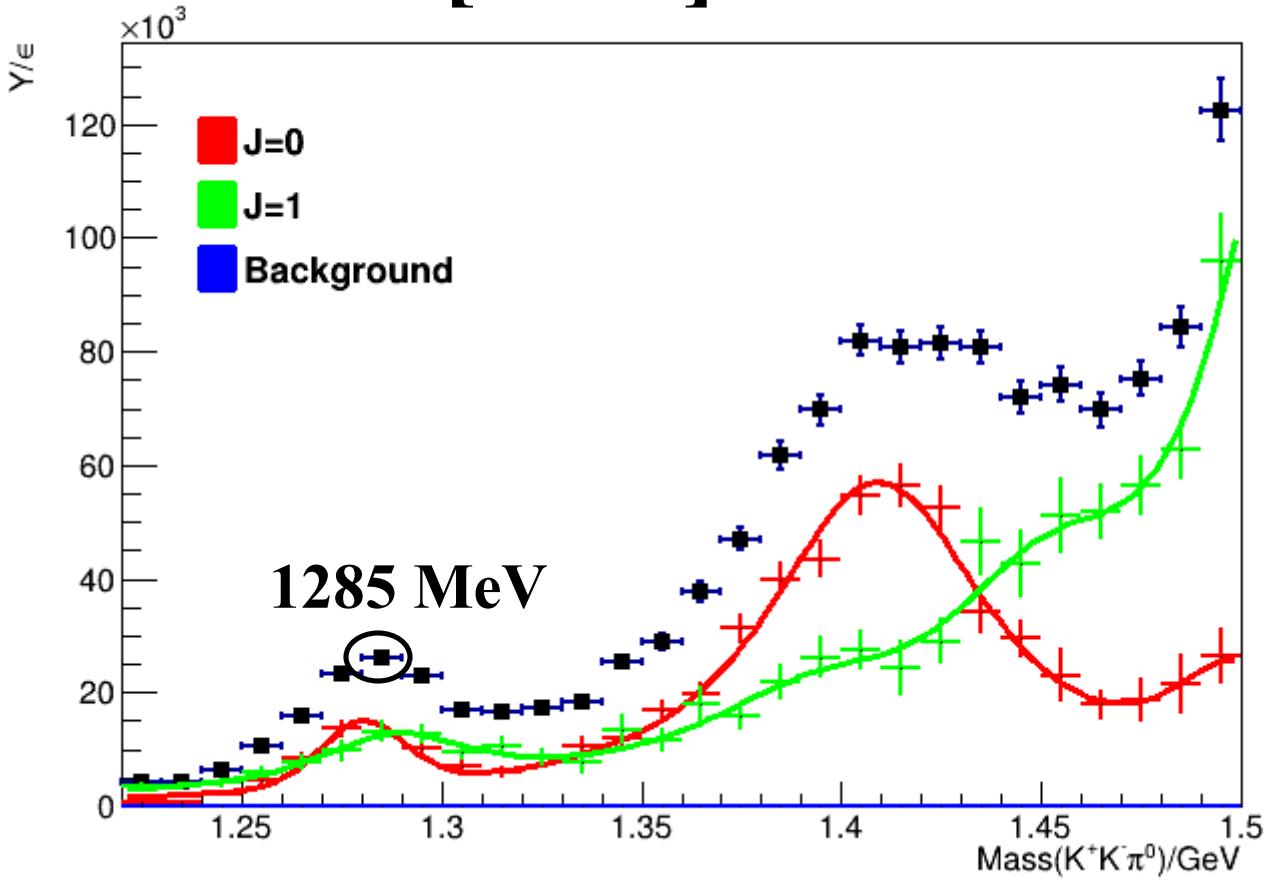


Efficiency Corrected

ASU

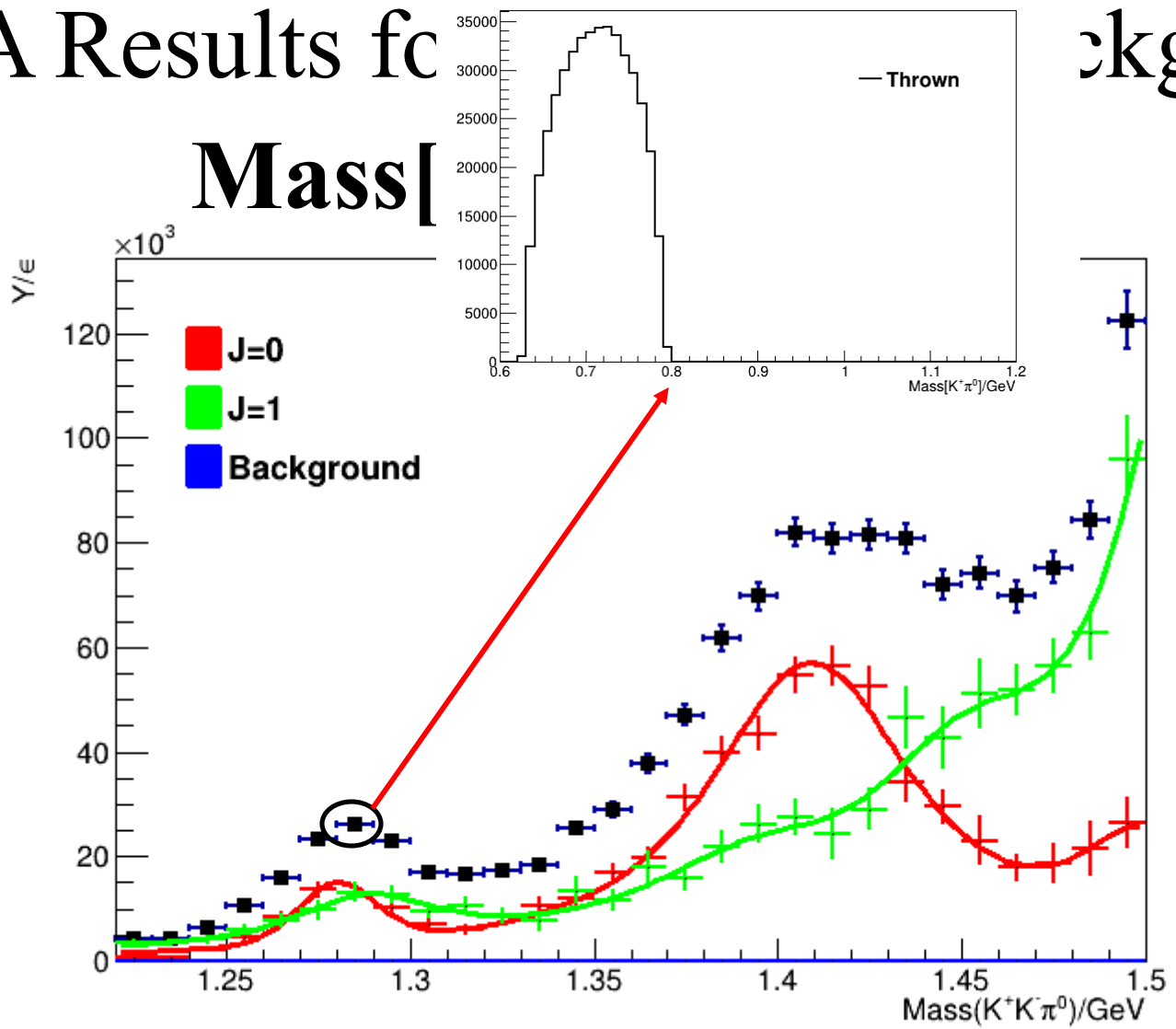
PWA Results for $J = 0,1$ and background

Mass[$K^+\pi^0$] fit results



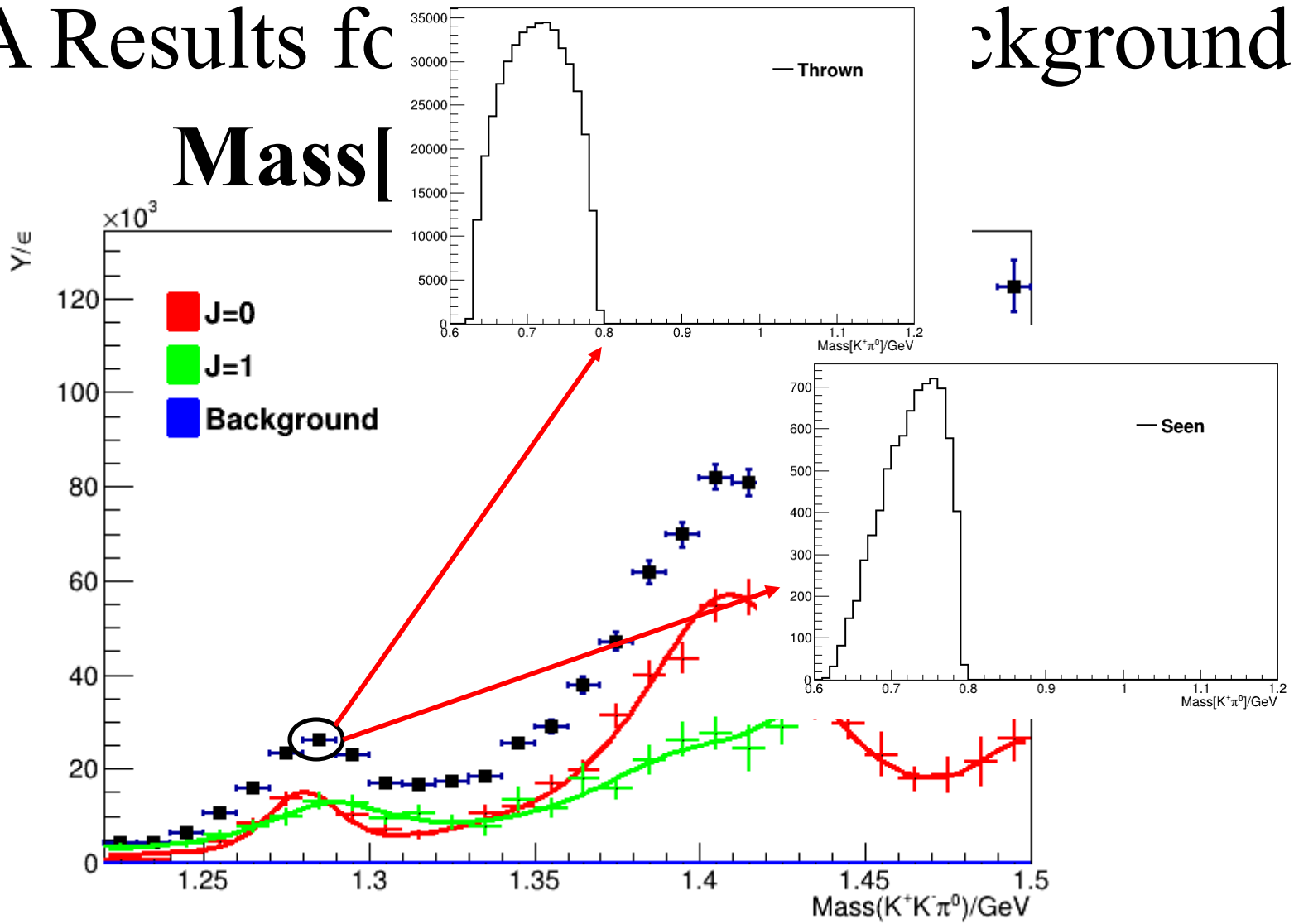
PWA Results fc ckground

Mass[



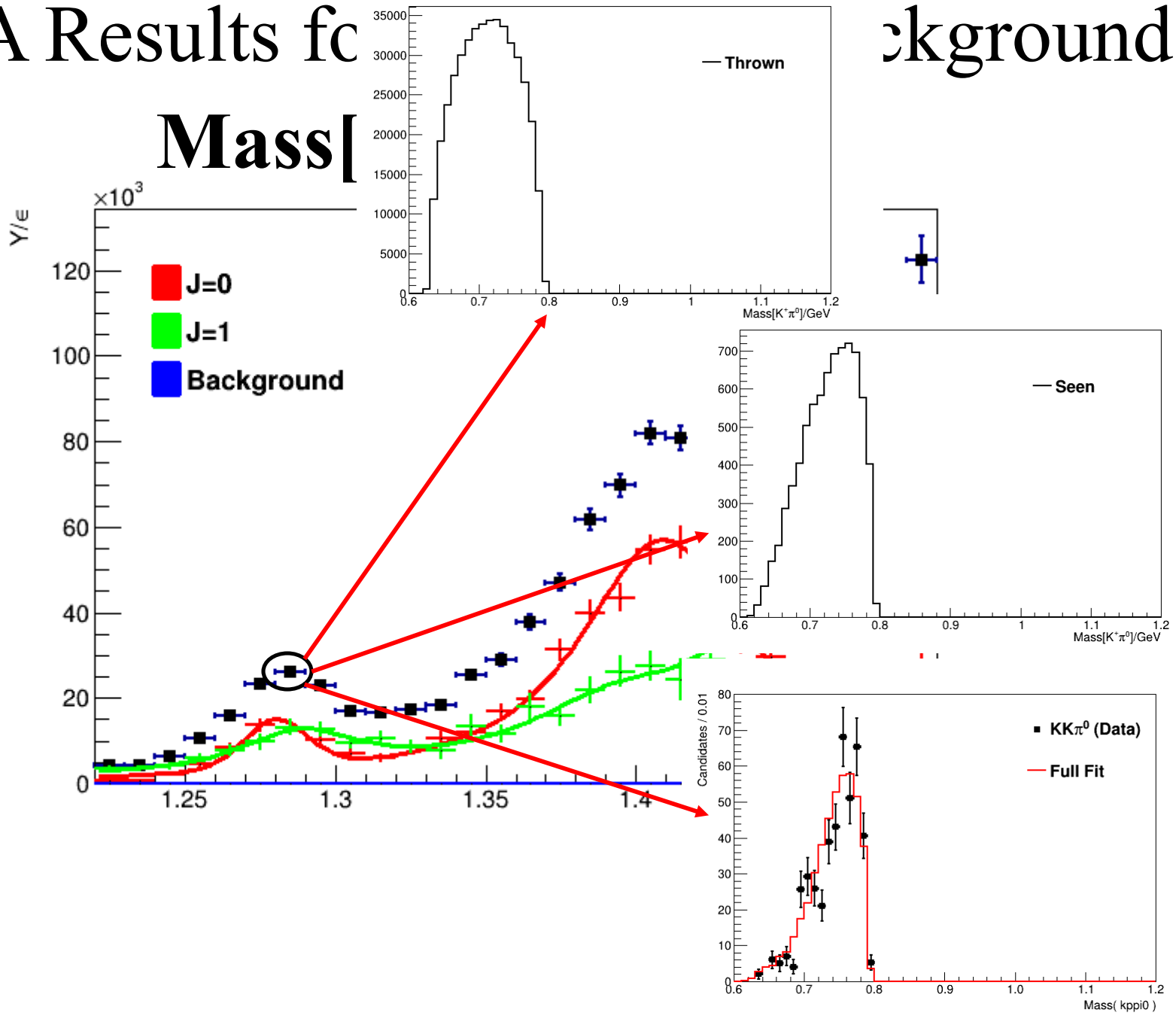
PWA Results fc ckground

Mass[



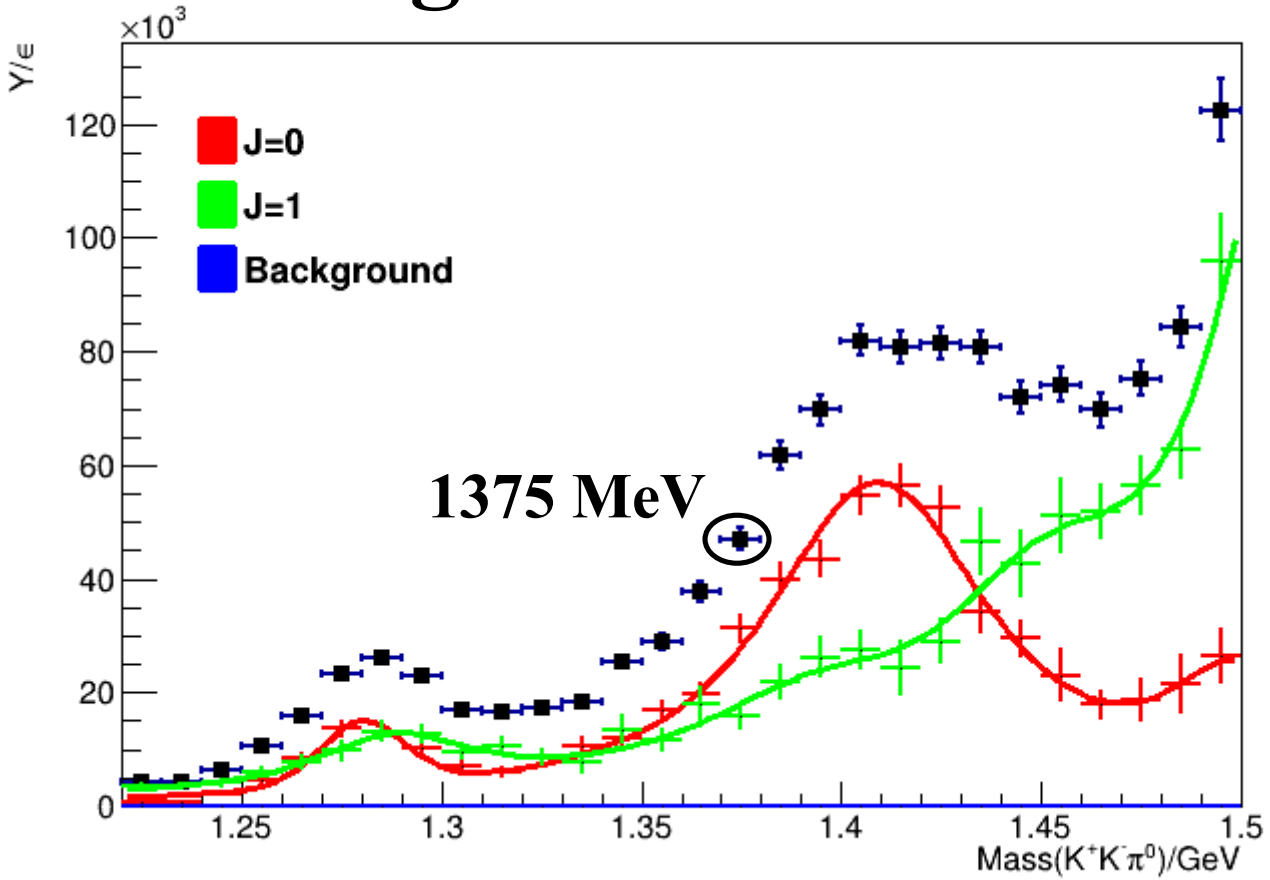
PWA Results fc ckground

Mass[

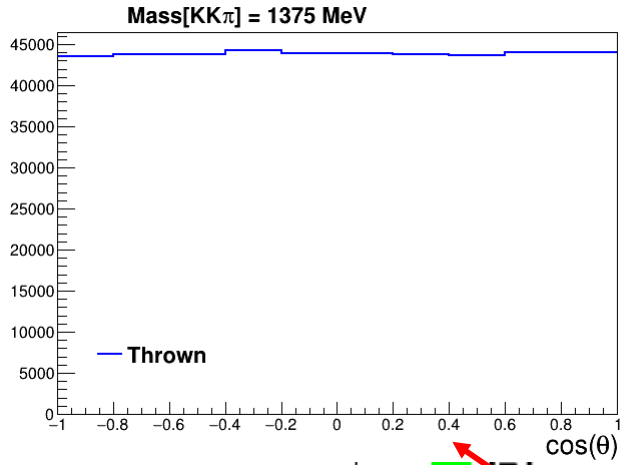


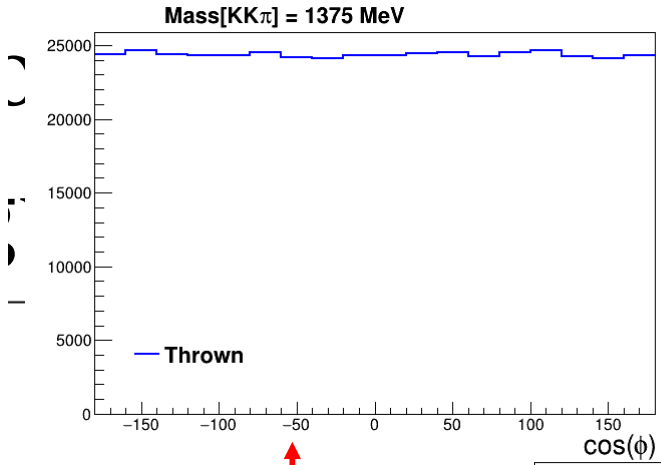
PWA Results for $J = 0,1$ and background

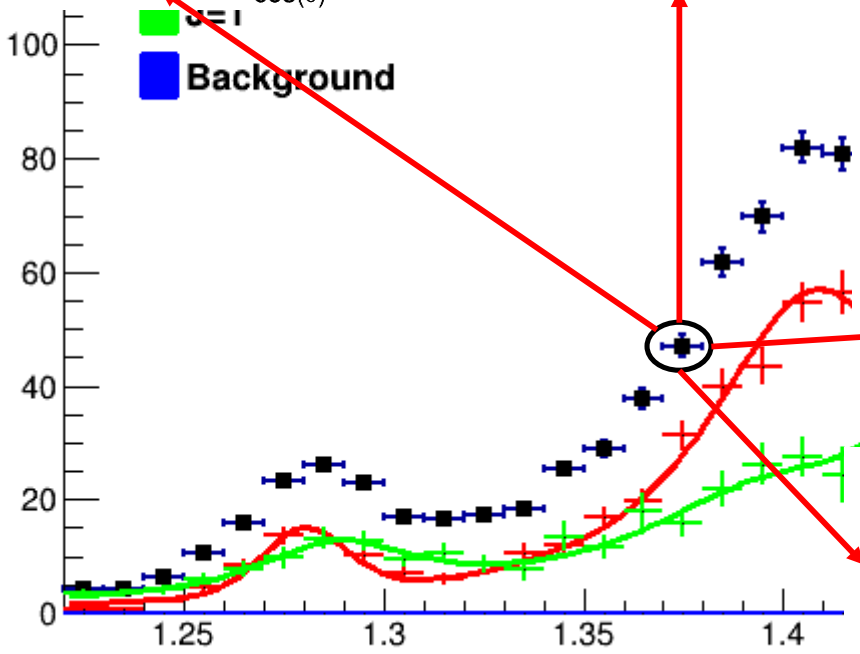
Angular fit results

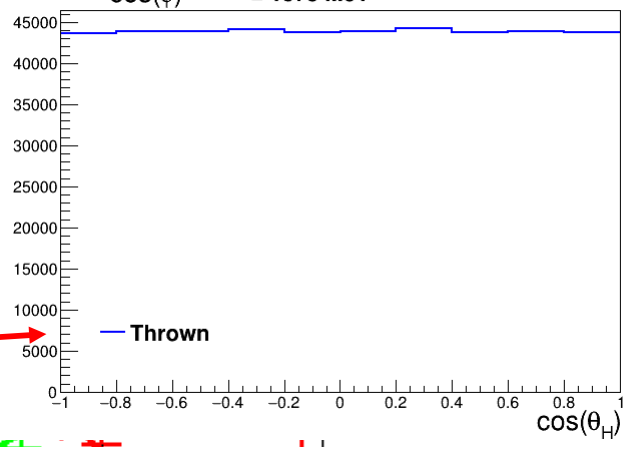


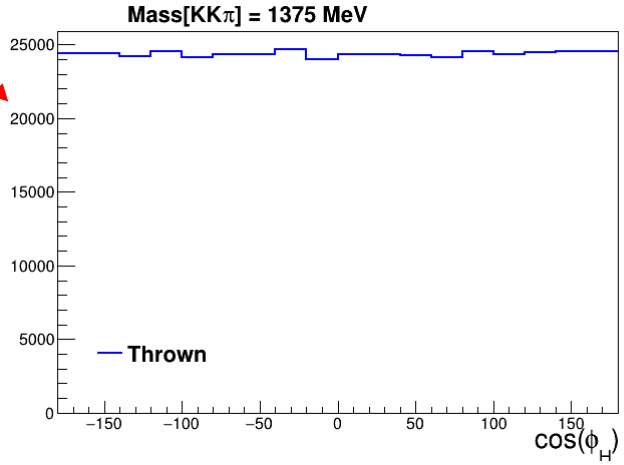
ckground





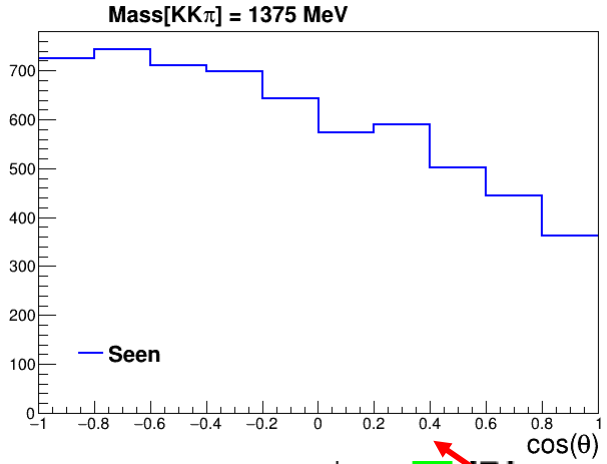


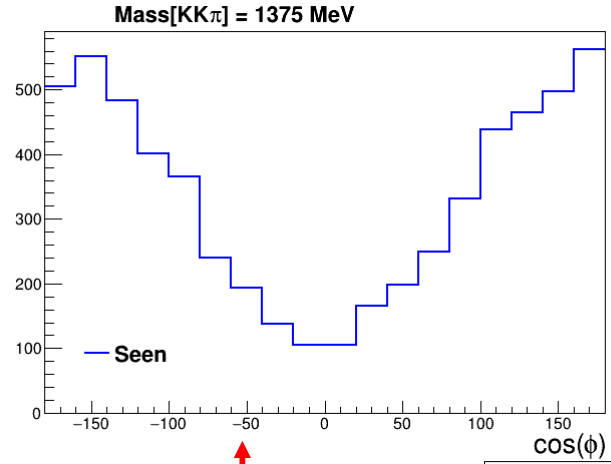


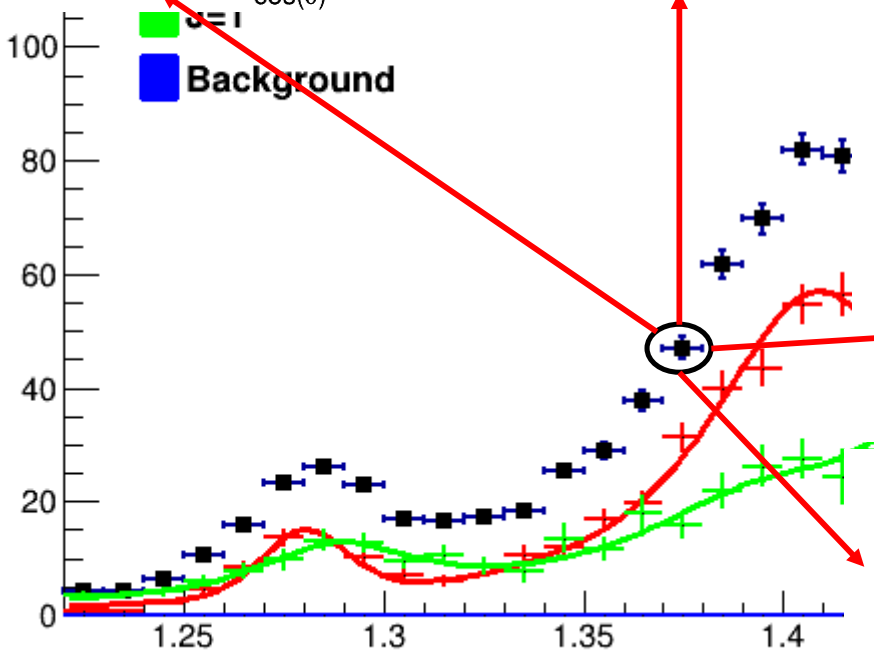


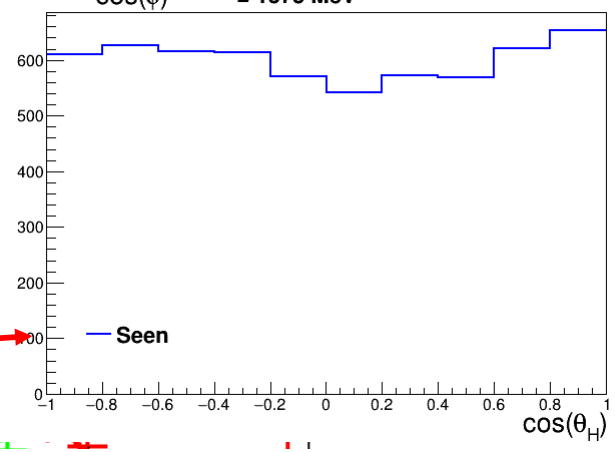
ASU

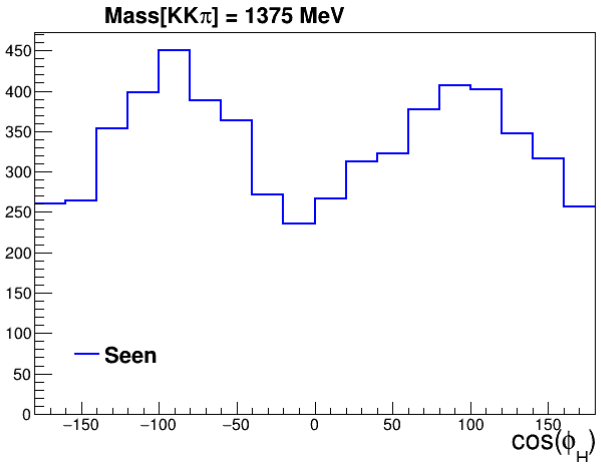
ckground





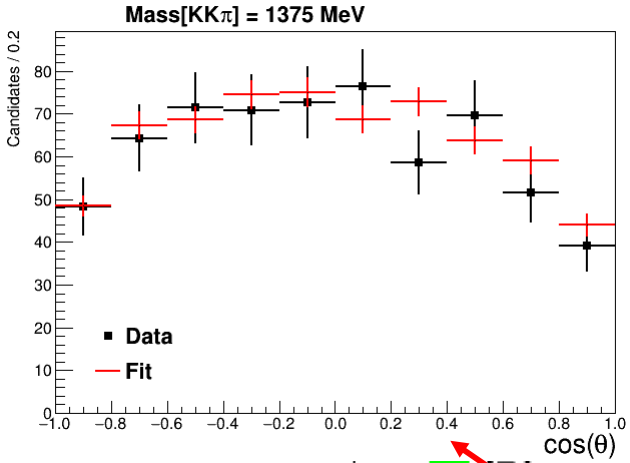


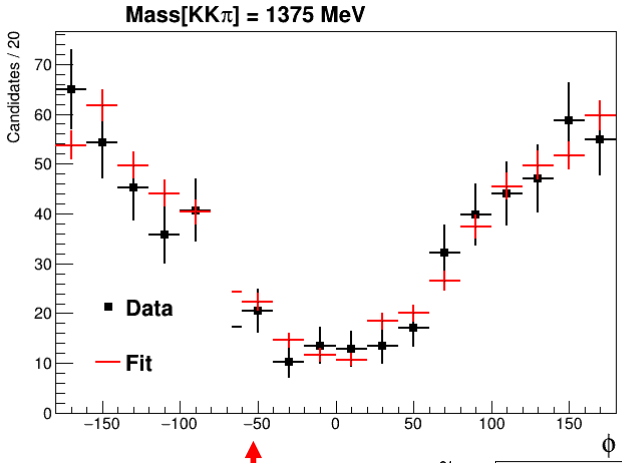


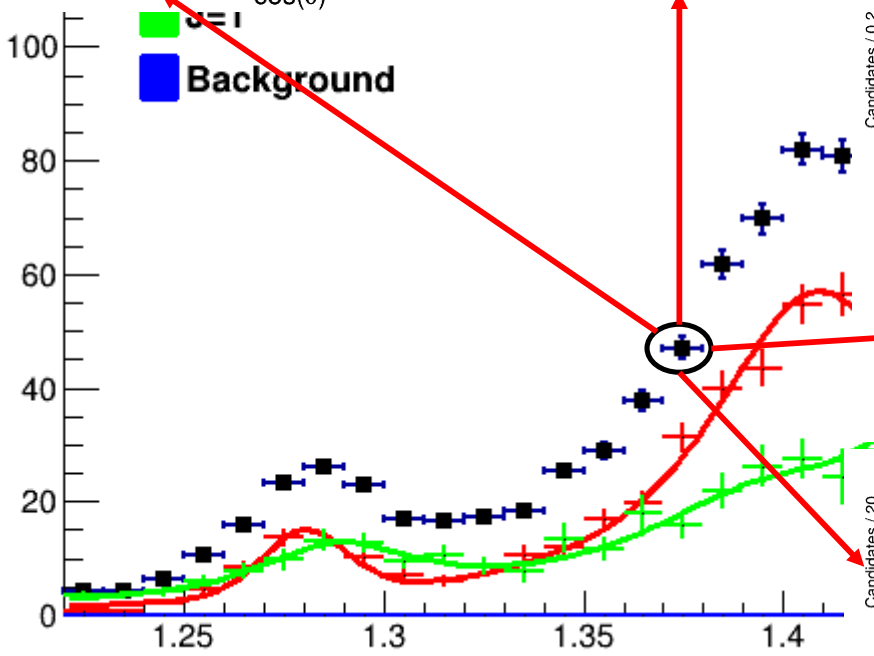


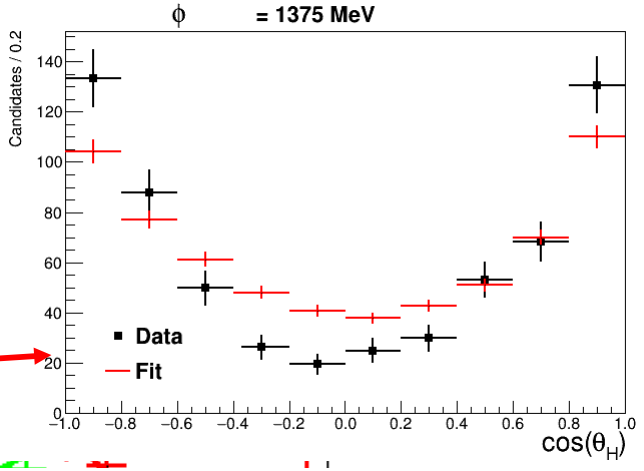
ASU

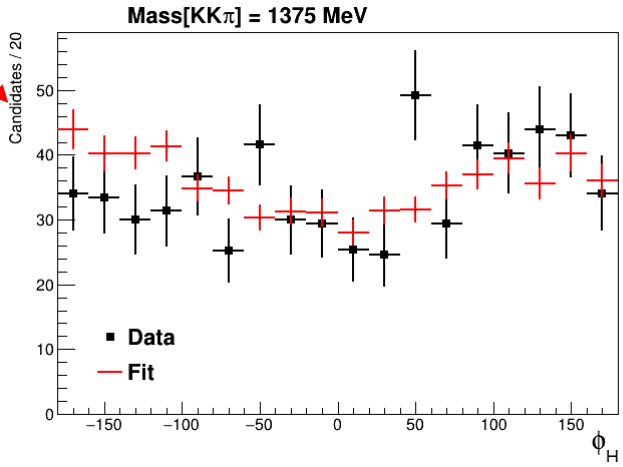
ckground


Mass[KKπ] = 1375 MeV
Candidates / 0.2
Data
Fit
cos(θ)

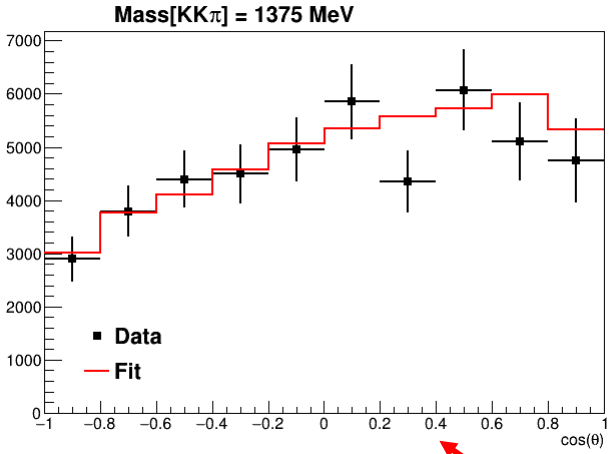

Mass[KKπ] = 1375 MeV
Candidates / 20
Data
Fit
φ

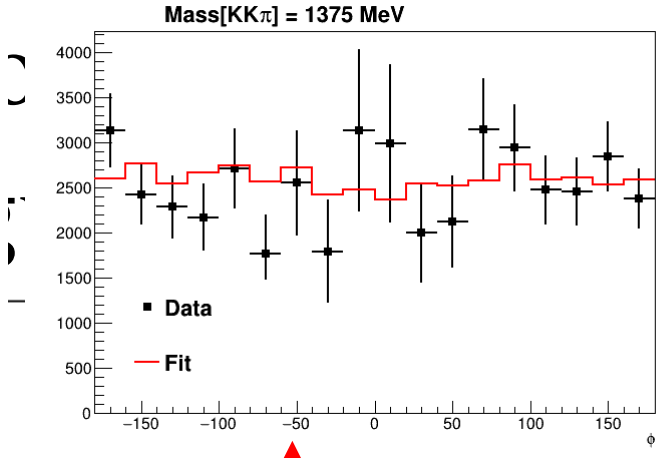

Background
1.25
1.3
1.35
1.4

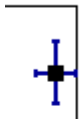

= 1375 MeV
Candidates / 0.2
Data
Fit
cos(θH)

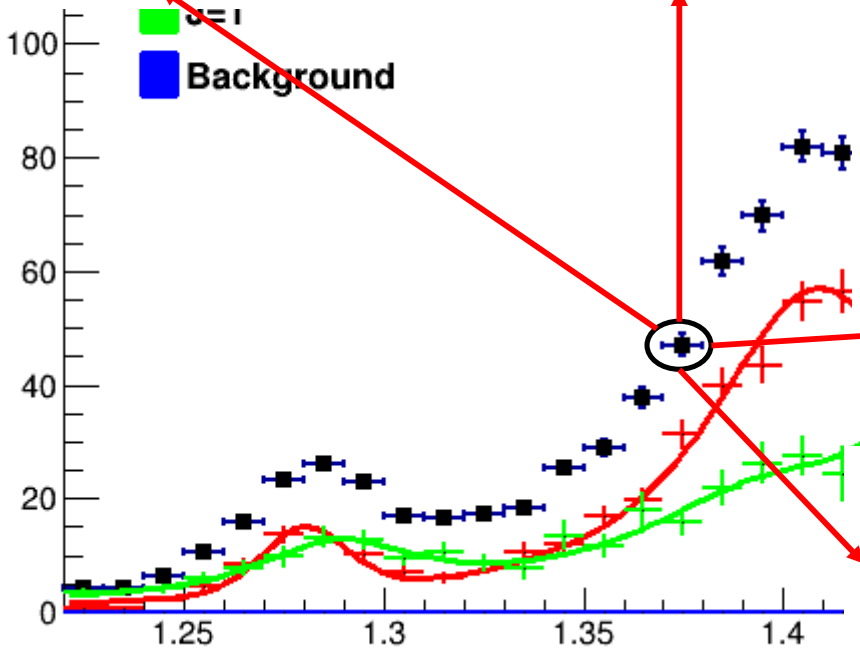

Mass[KKπ] = 1375 MeV
Candidates / 20
Data
Fit
φH

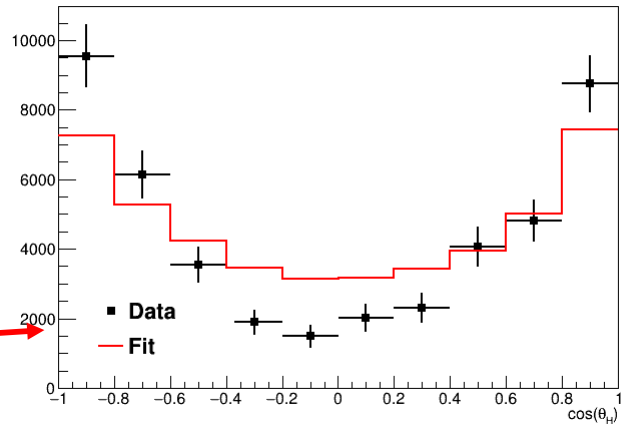
ckground

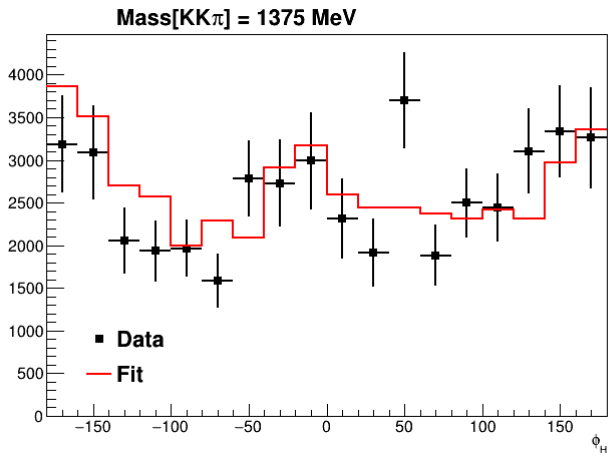










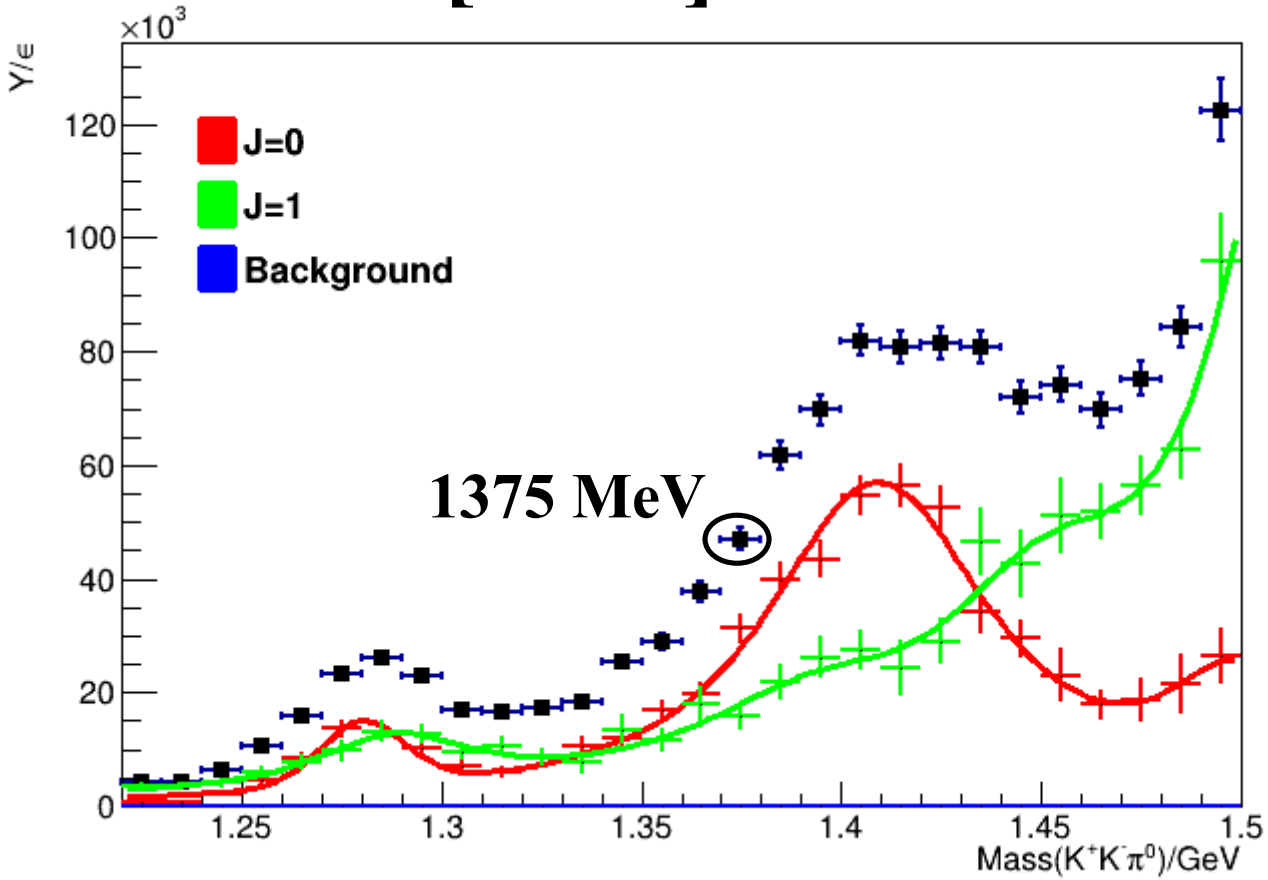


Efficiency Corrected

ASU

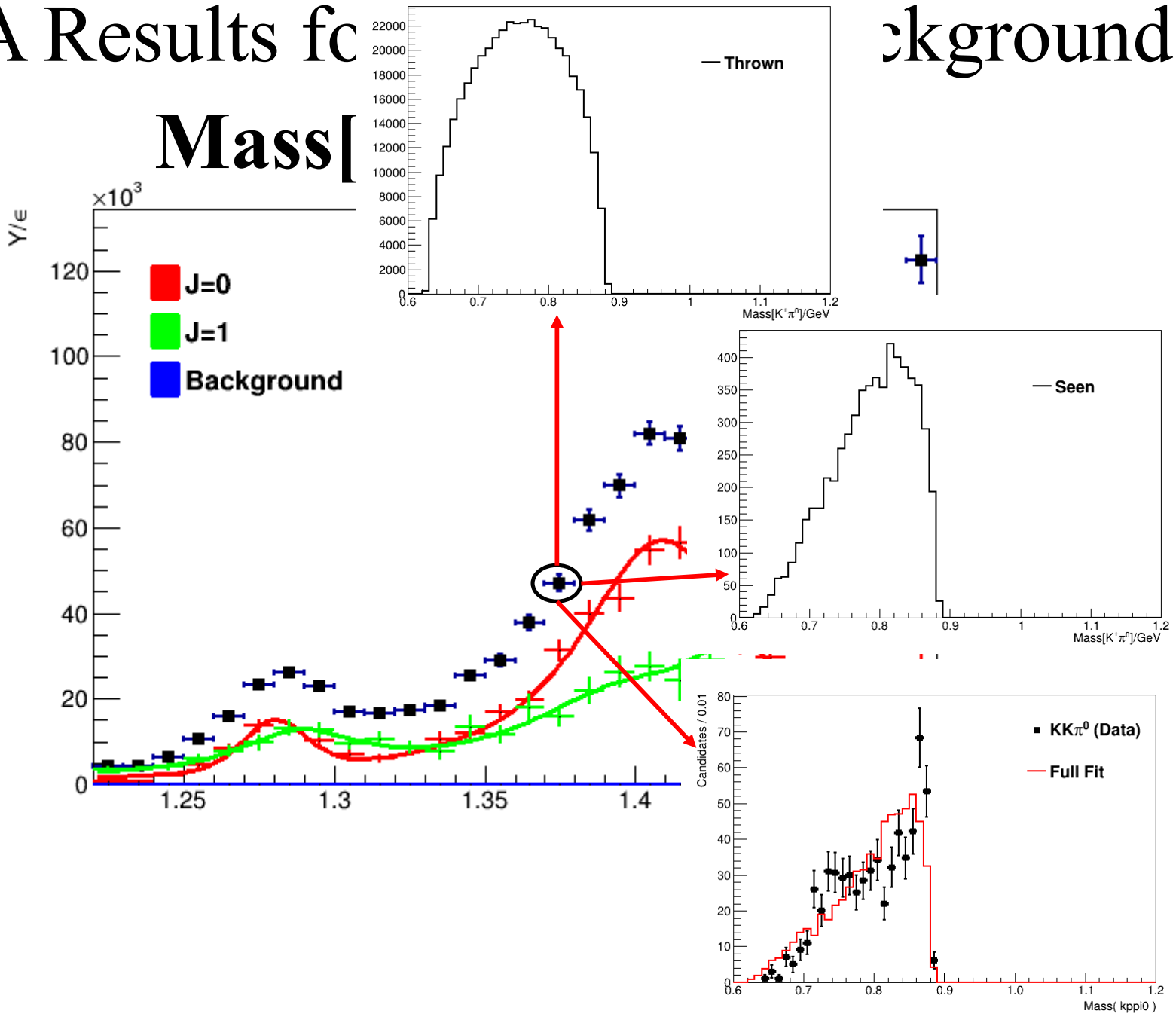
PWA Results for $J = 0,1$ and background

Mass[$K^+\pi^0$] fit results



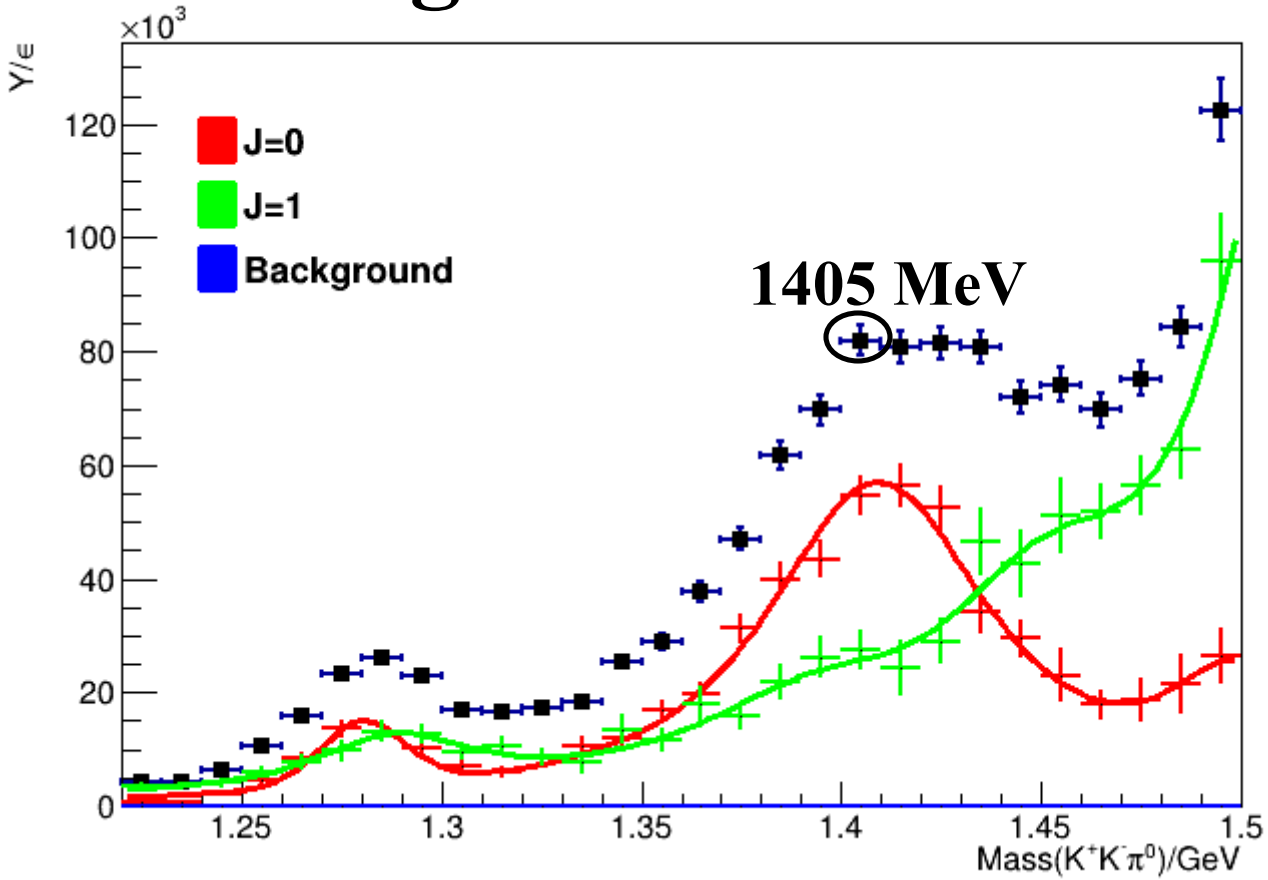
PWA Results fc ckground

Mass[

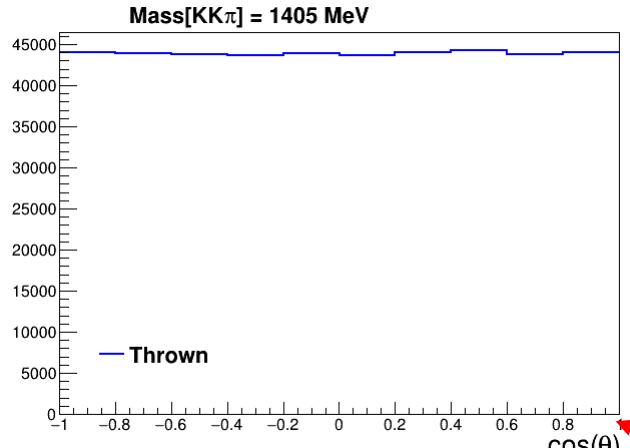


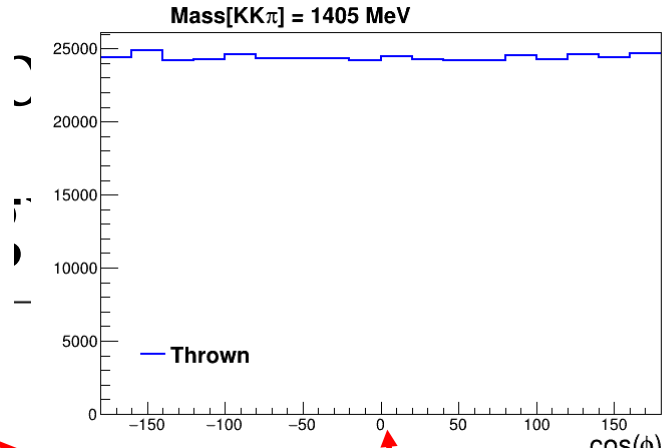
PWA Results for $J = 0,1$ and background

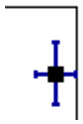
Angular fit results

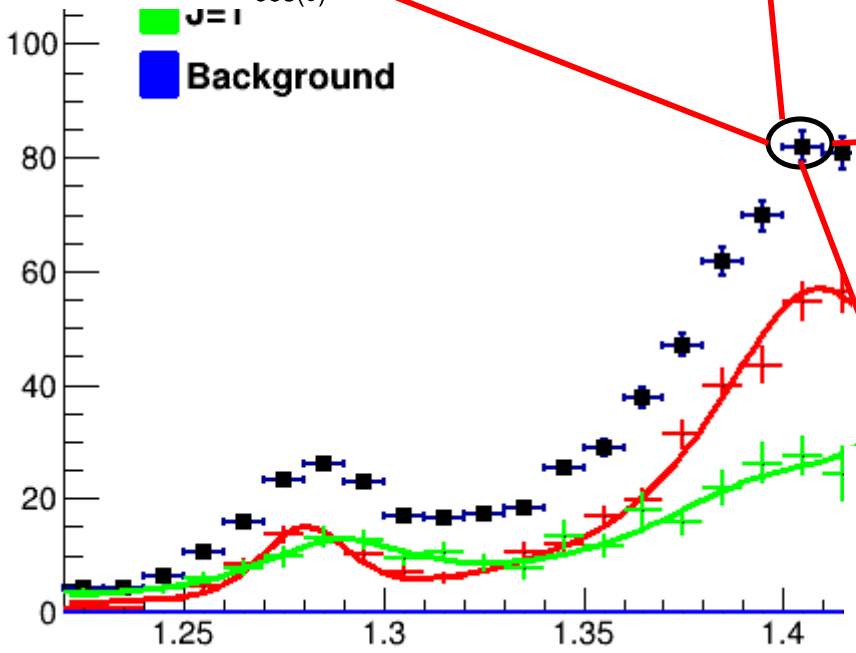


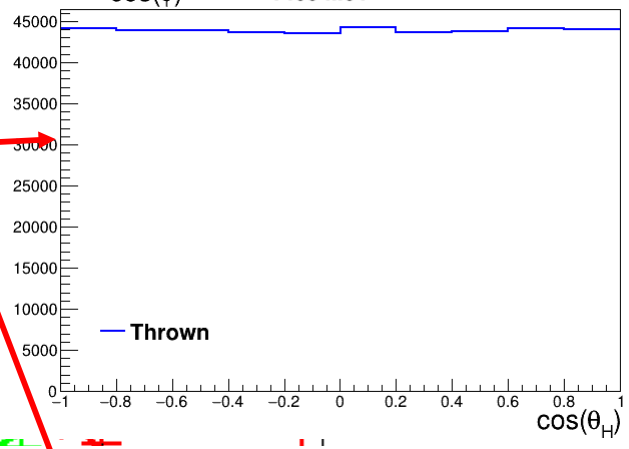
ckground

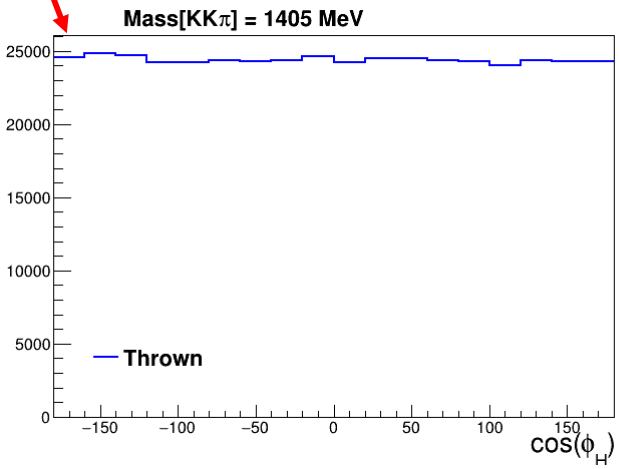






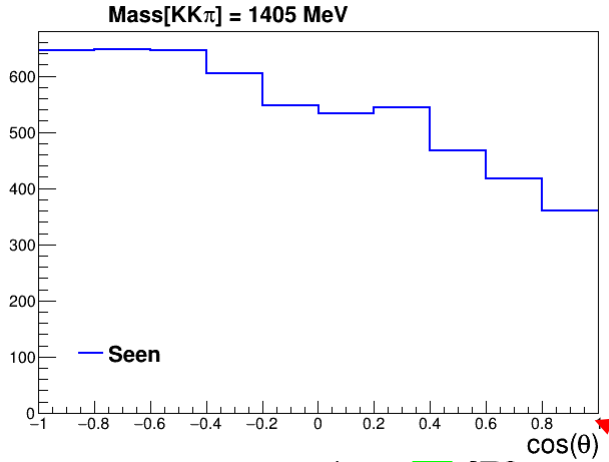


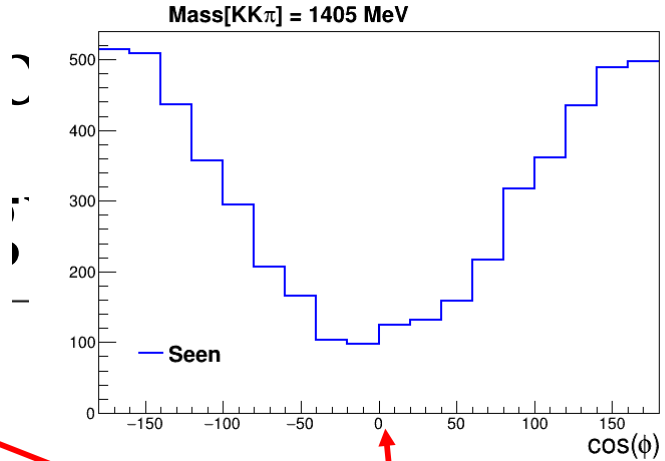


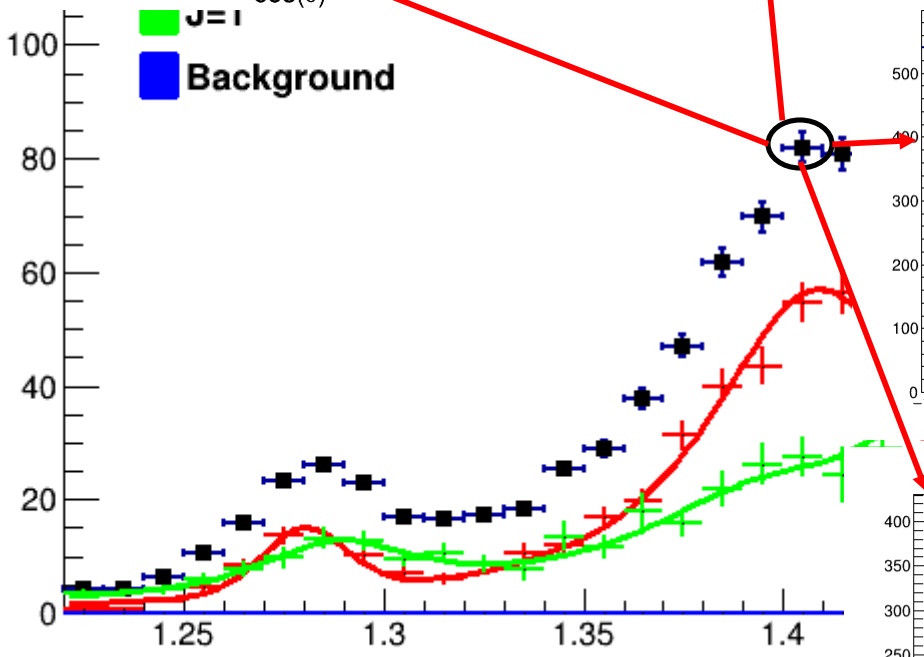


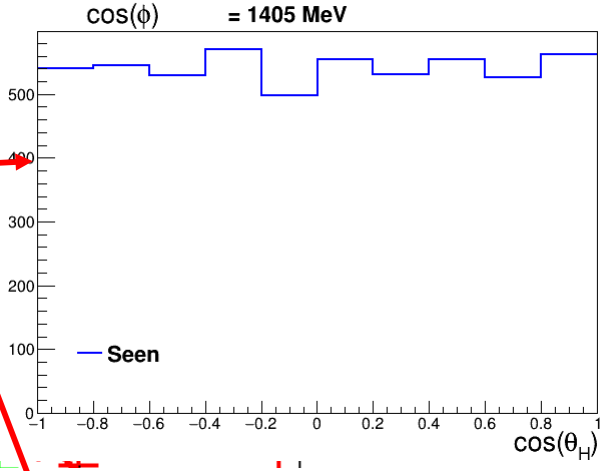
ASU

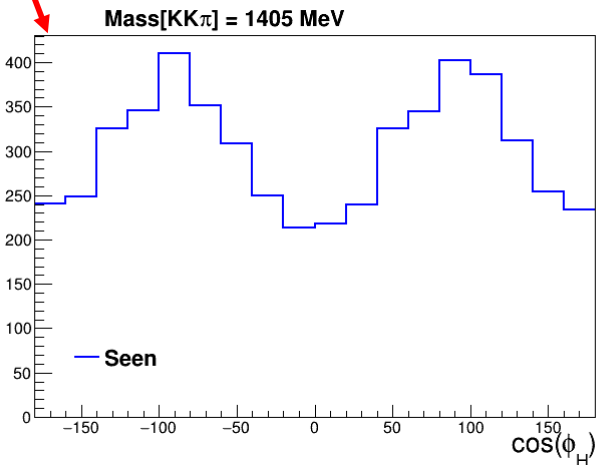
ckground


Mass[KKπ] = 1405 MeV
Seen
cos(θ)

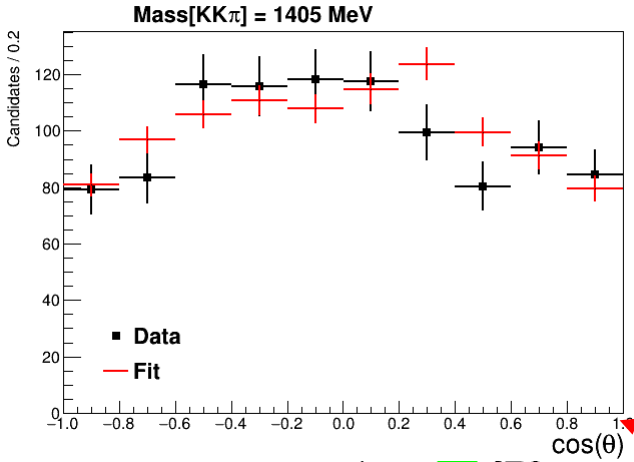

Mass[KKπ] = 1405 MeV
Seen
cos(ϕ)

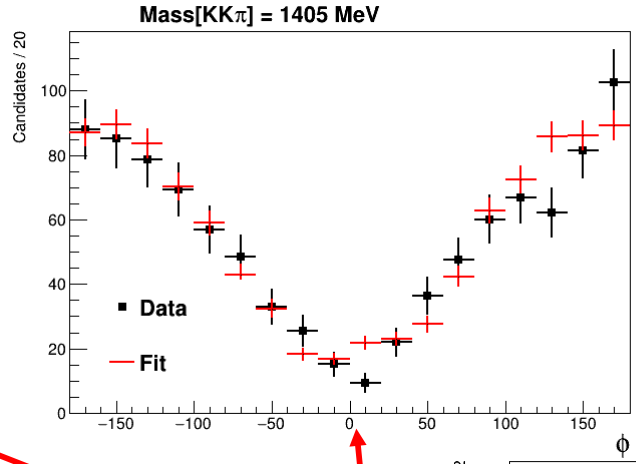

J=1
Background

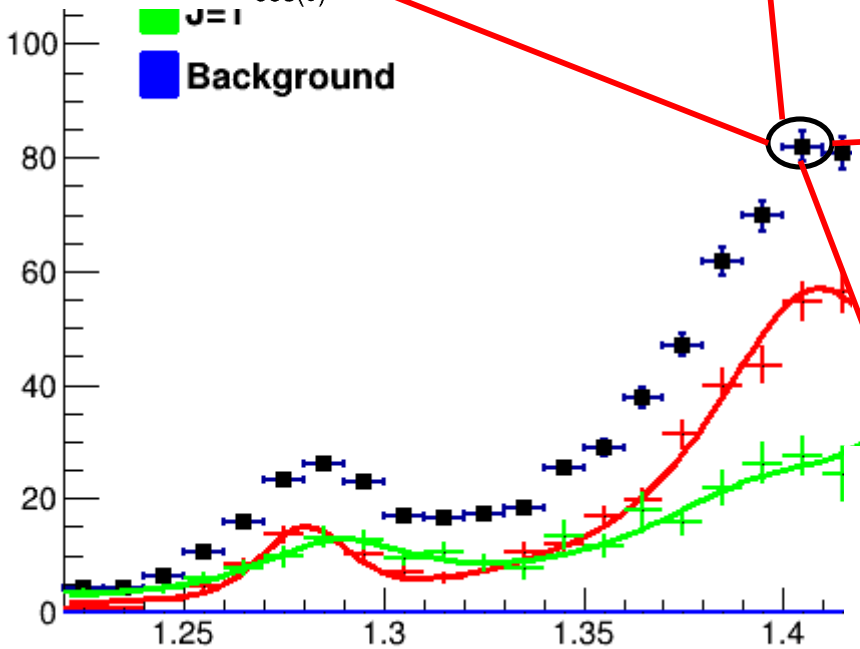

= 1405 MeV
Seen
cos(θH)

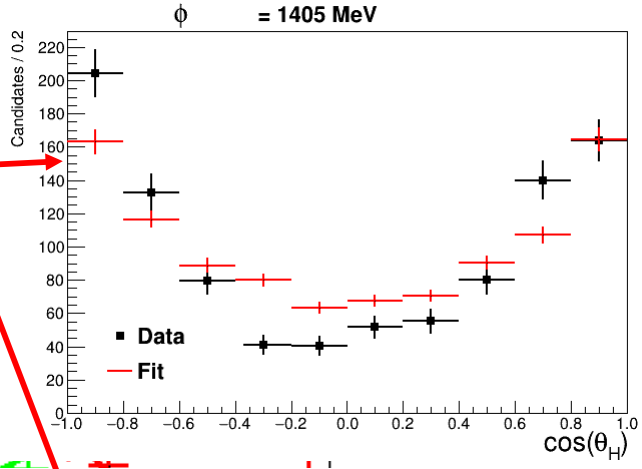

Mass[KKπ] = 1405 MeV
Seen
cos(ϕH)

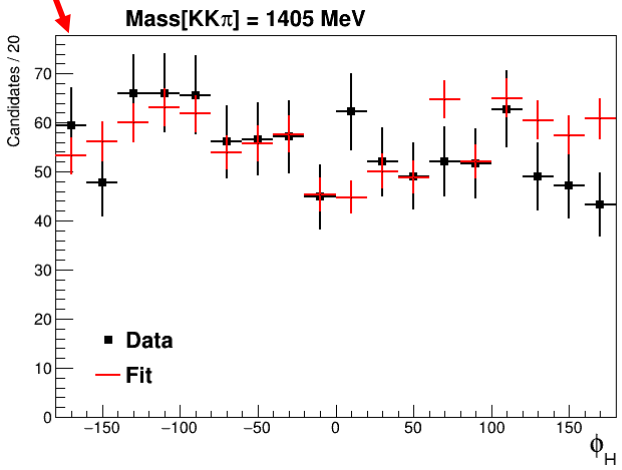
ckground





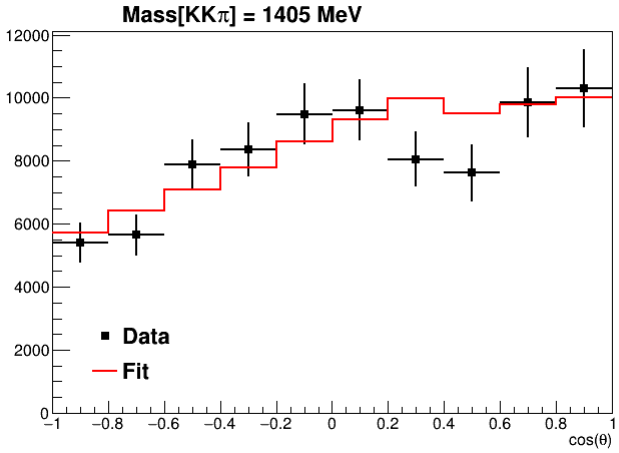


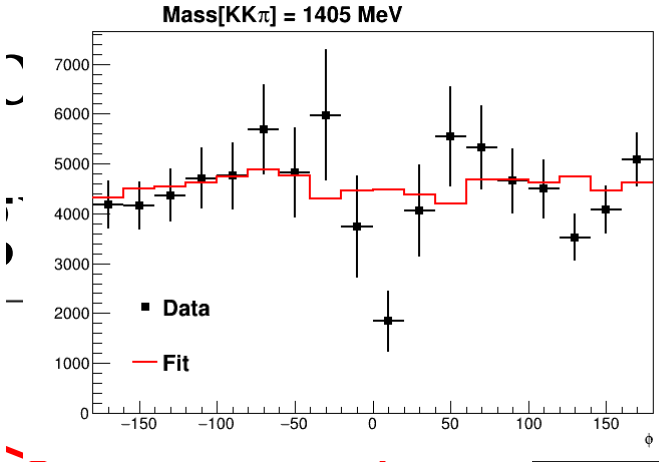


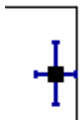


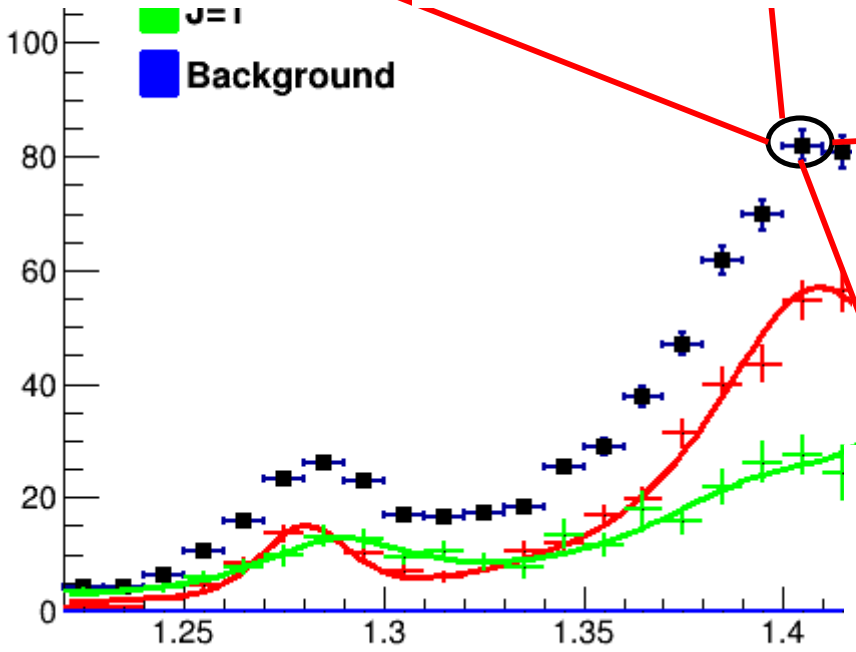
ASU

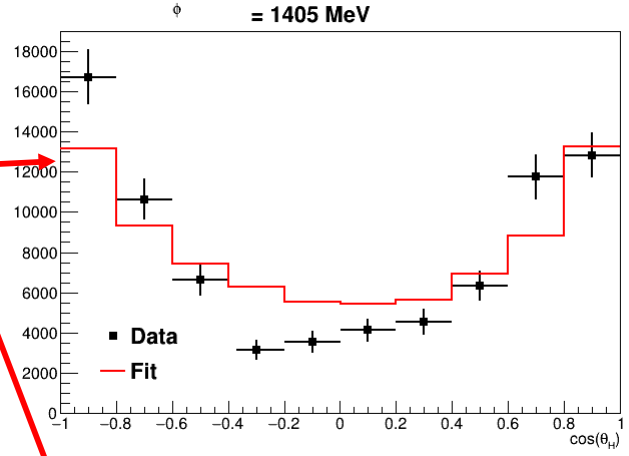
ckground

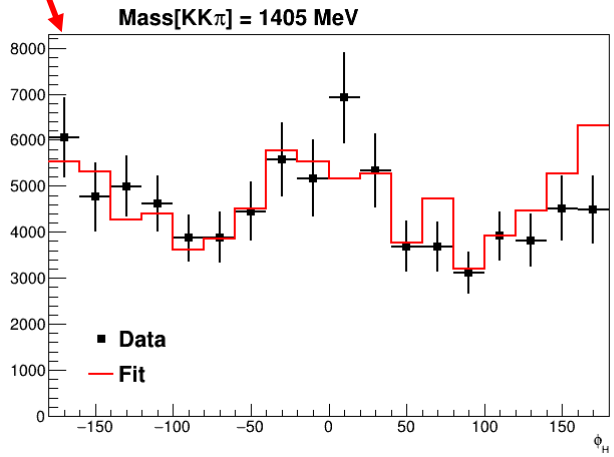










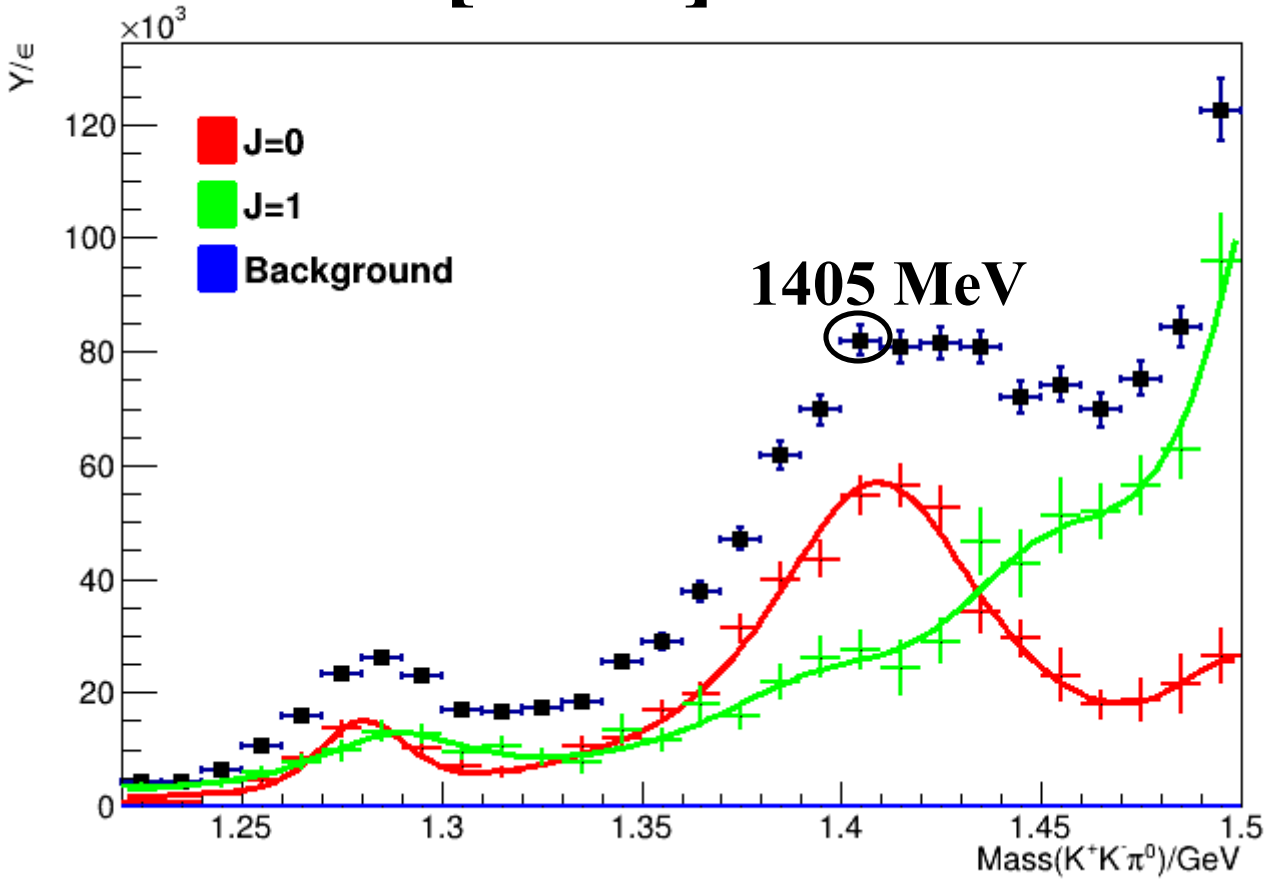


Efficiency Corrected

ASU

PWA Results for $J = 0,1$ and background

Mass[$K^+\pi^0$] fit results



PWA Results fc ckground

Mass[