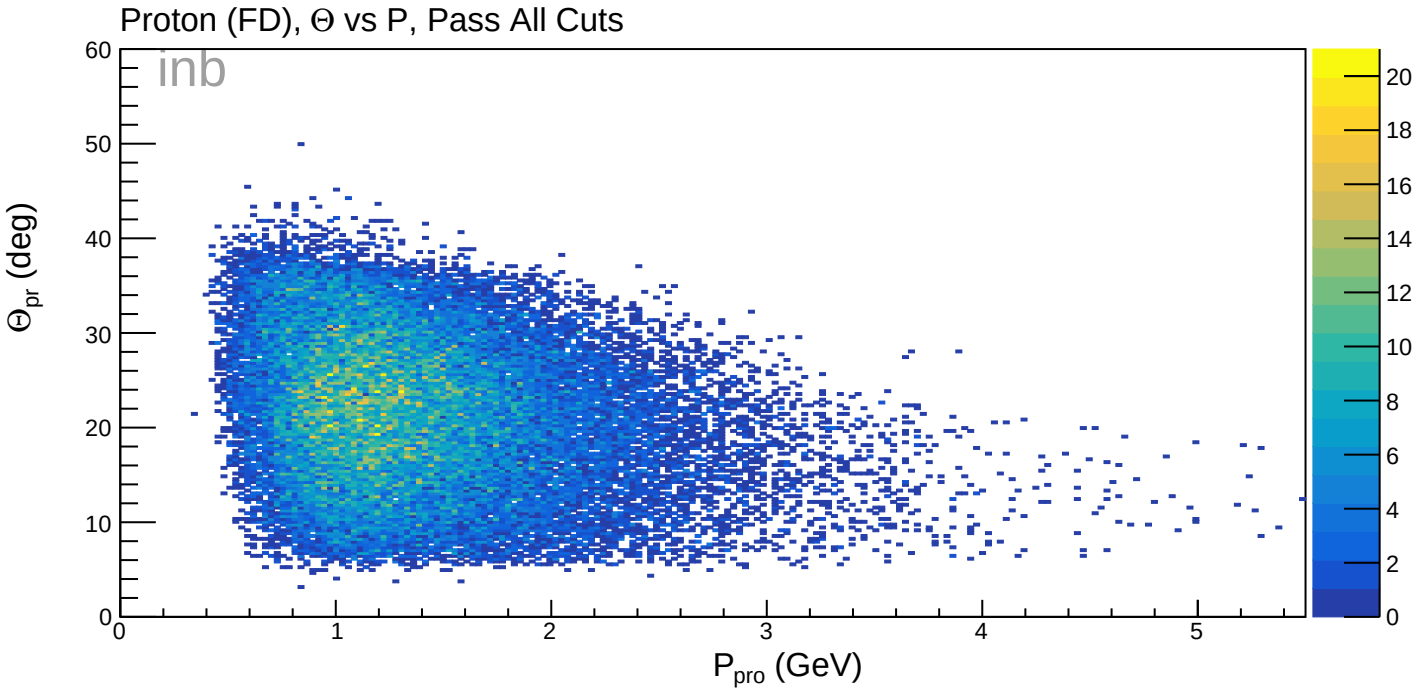
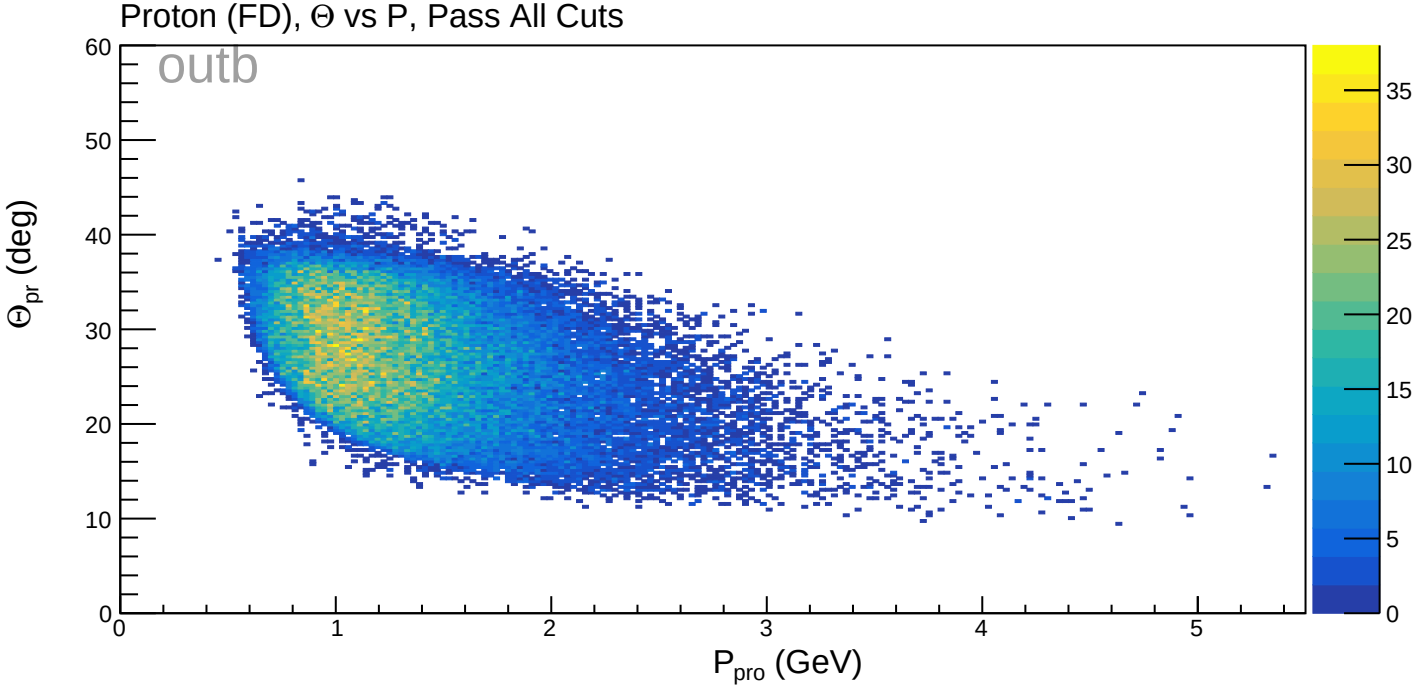
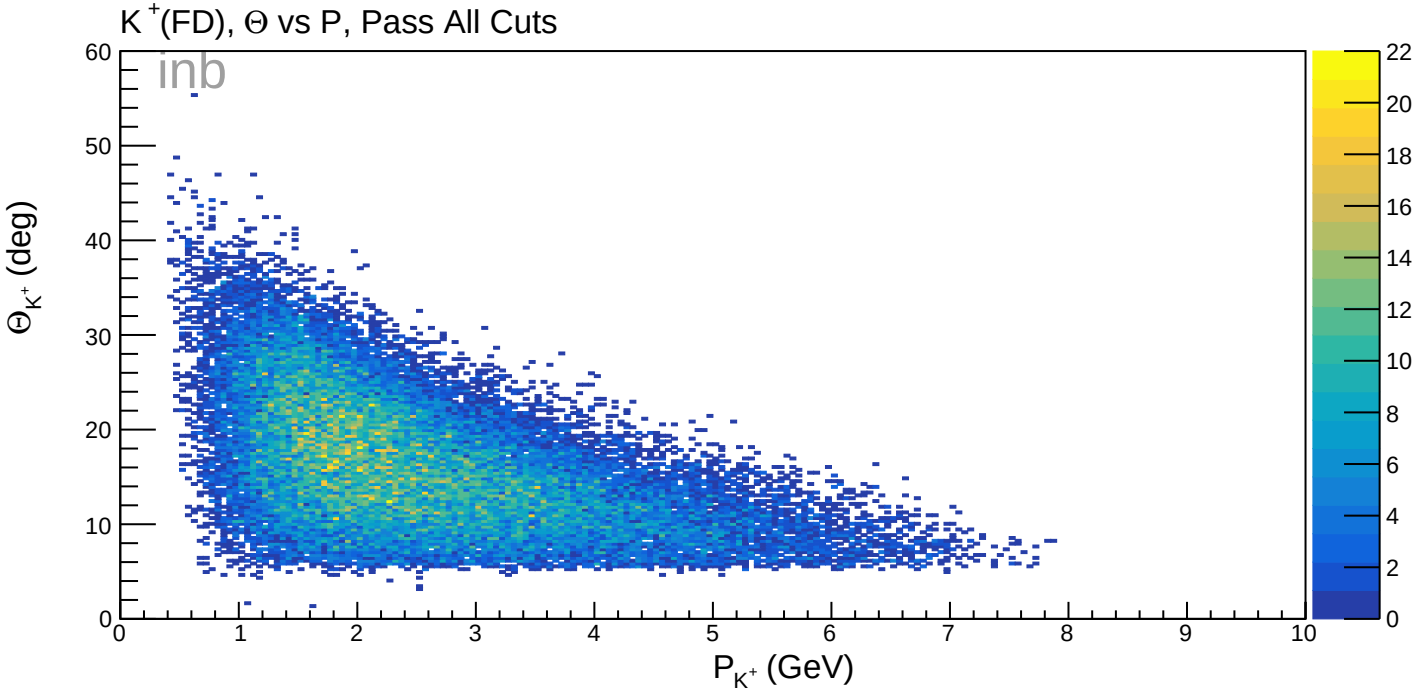
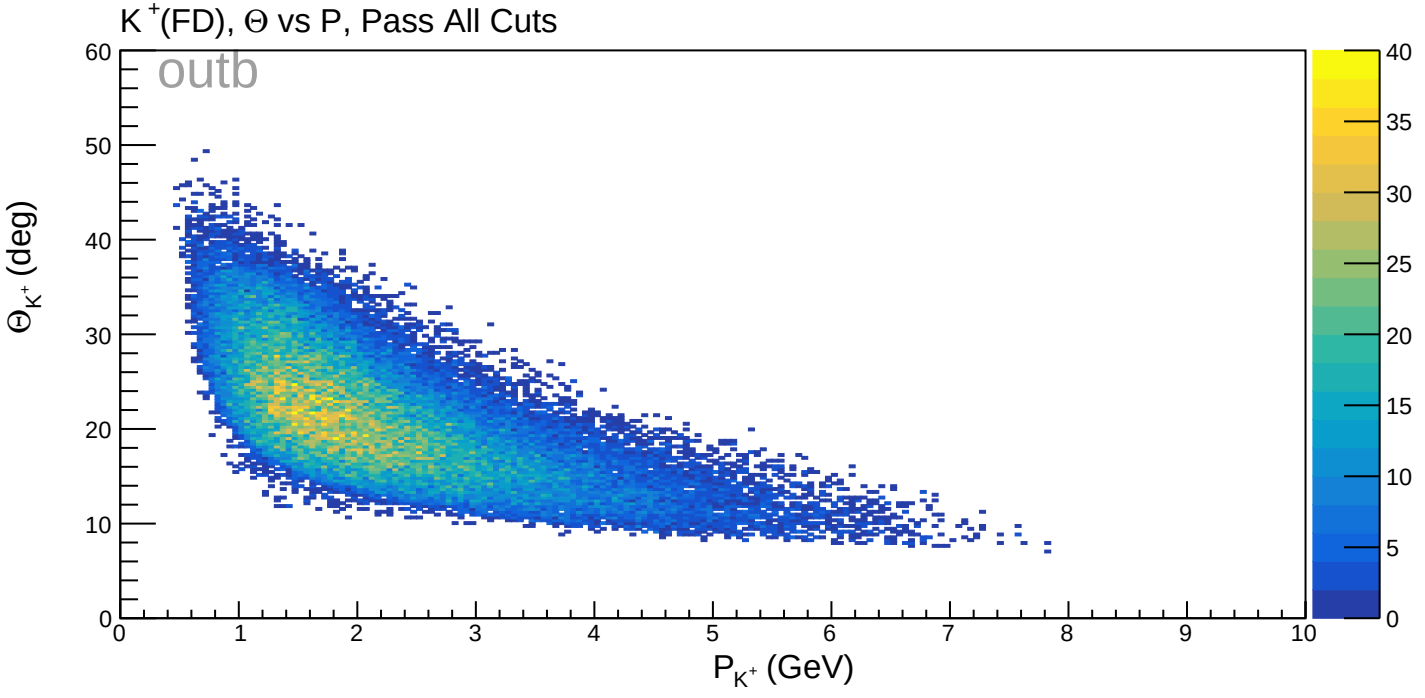
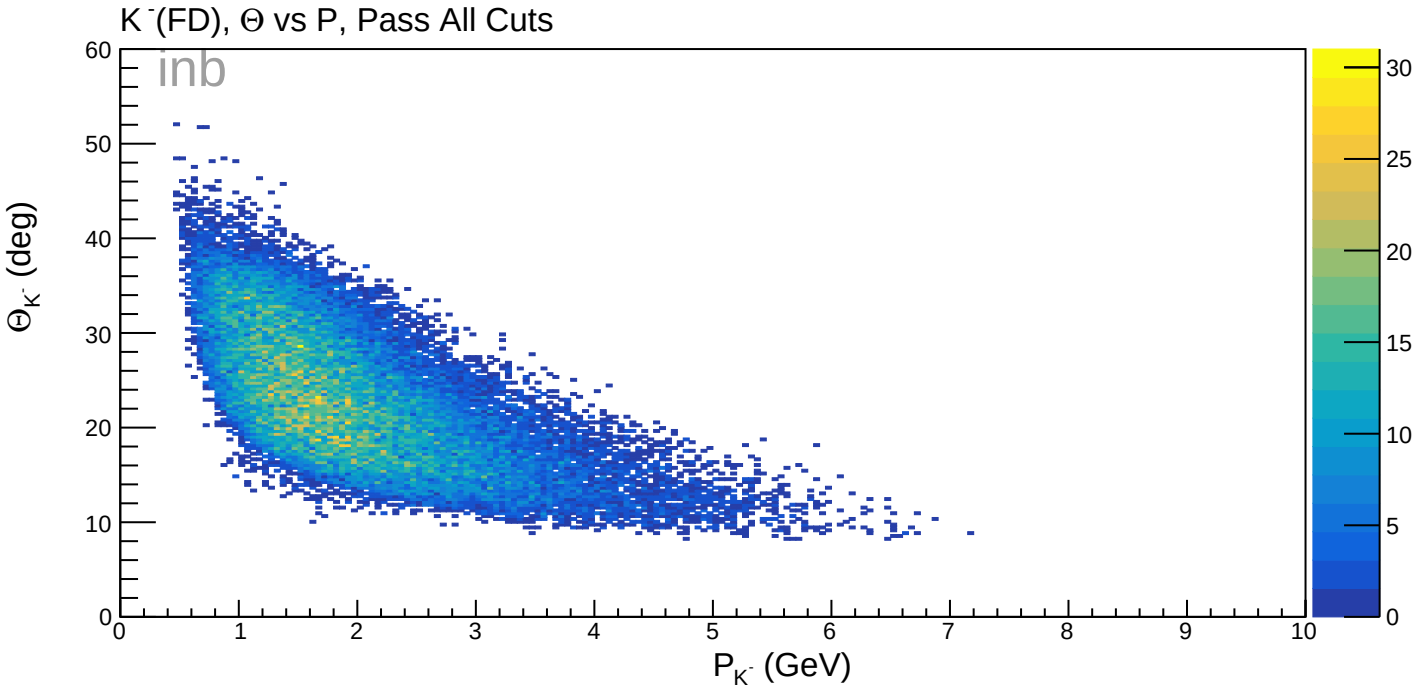
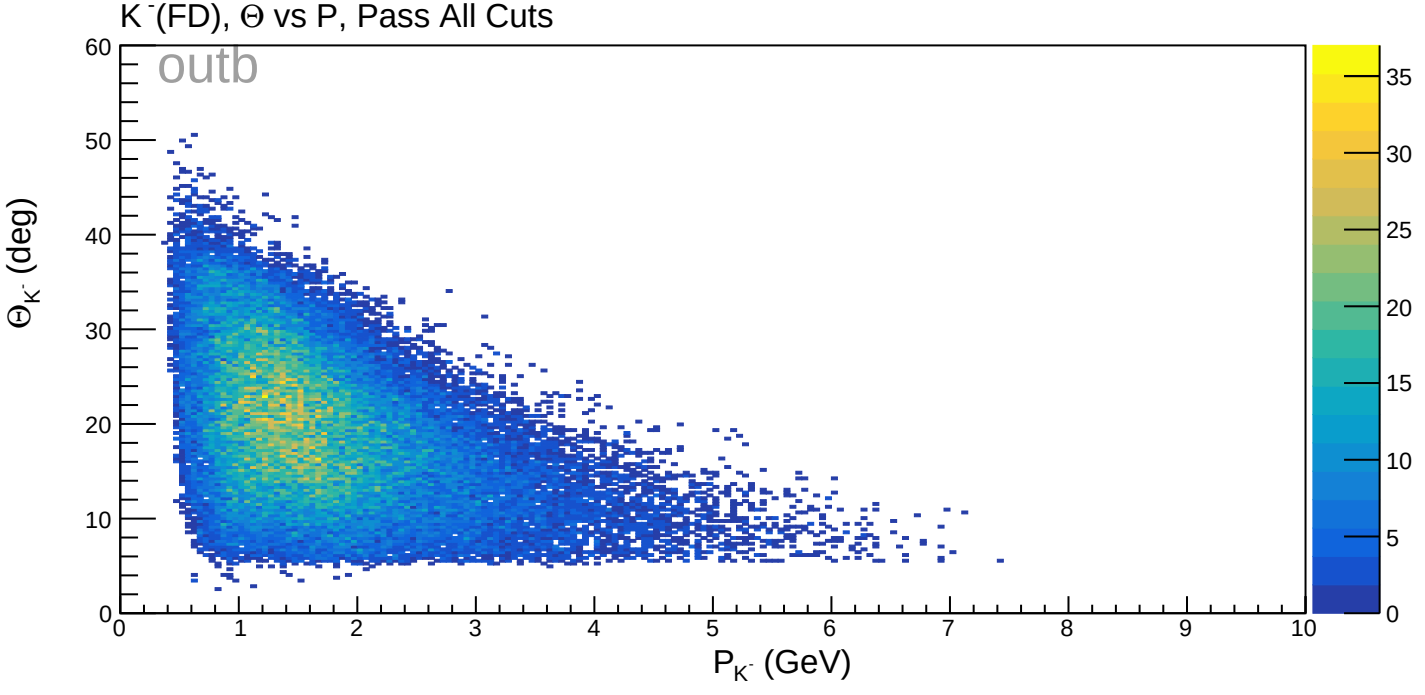

Proton (FD), Θ vs P, Pass All Cuts
inb
Θpr (deg)
Ppro (GeV)

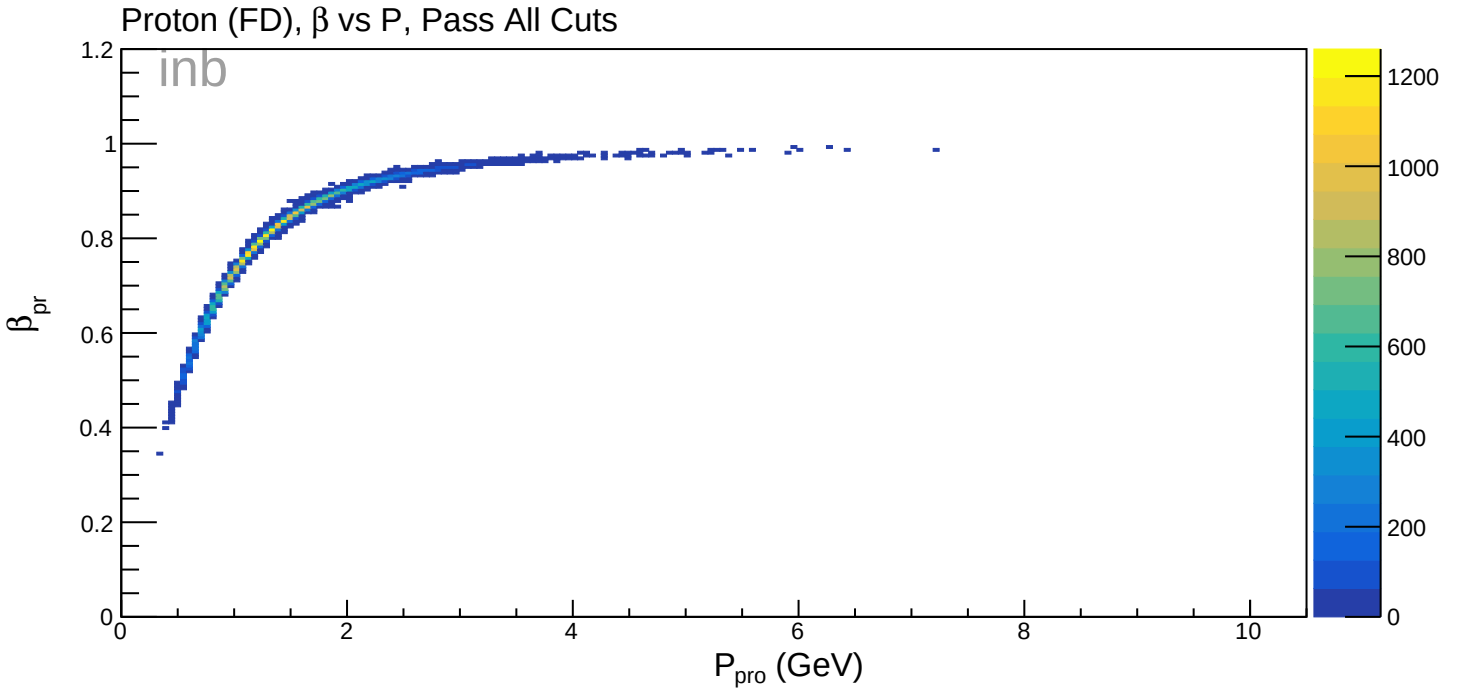

Proton (FD), Θ vs P, Pass All Cuts
outb
Θpr (deg)
Ppro (GeV)

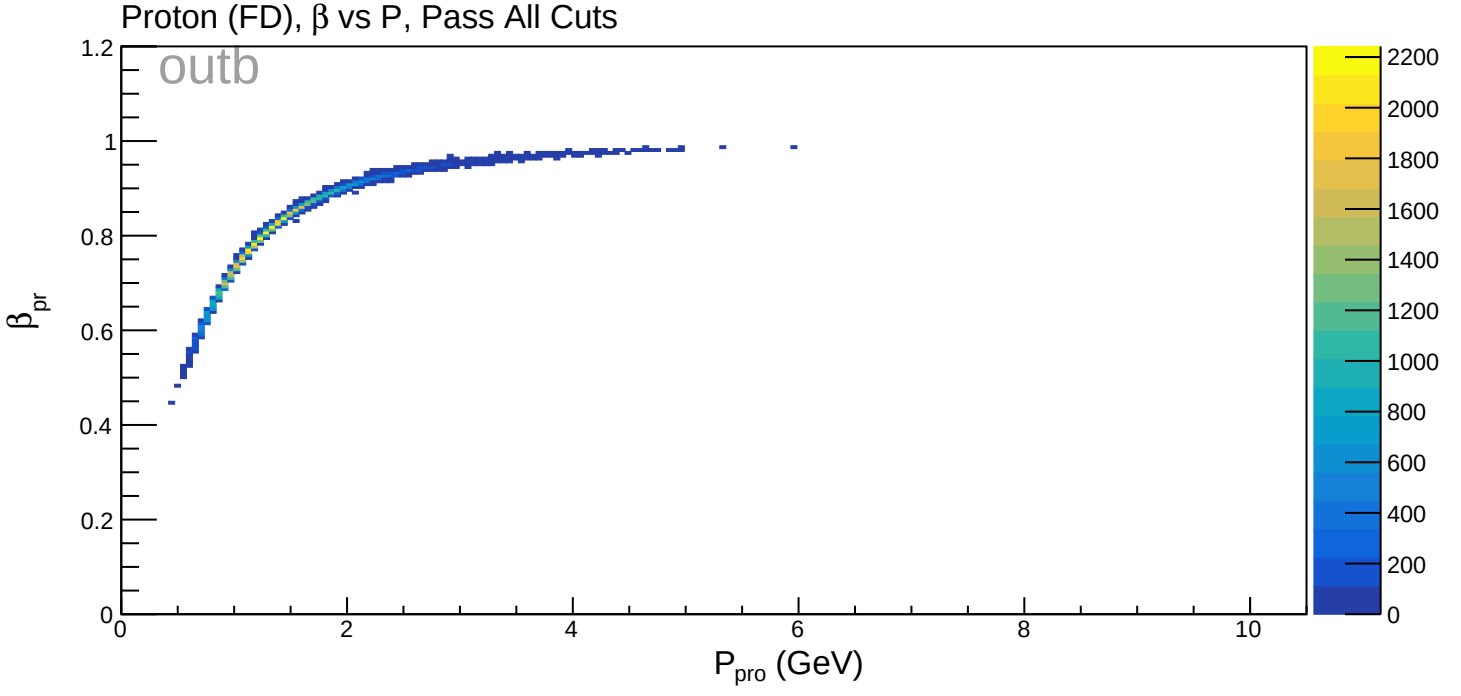

K+(FD), Θ vs P, Pass All Cuts
inb
ΘK+ (deg)
PK+ (GeV)

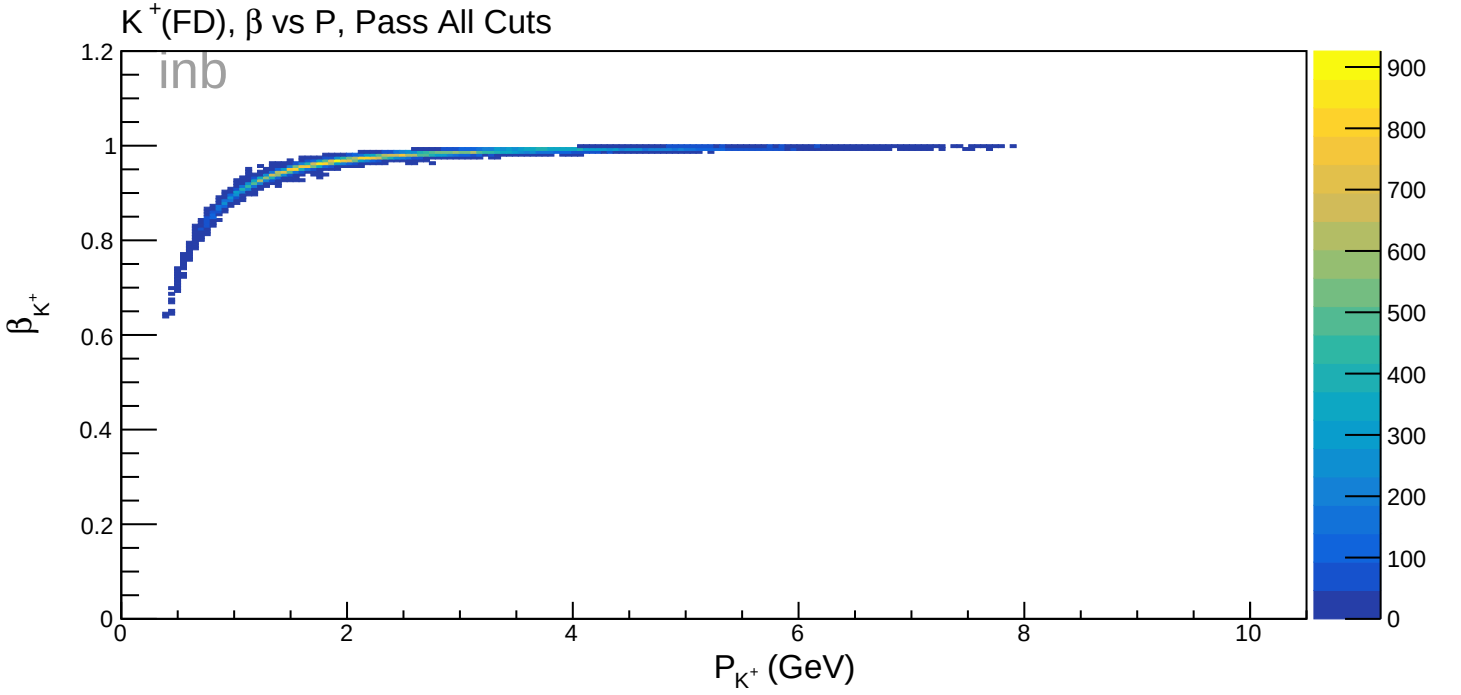

K+(FD), Θ vs P, Pass All Cuts
outb
ΘK+ (deg)
PK+ (GeV)

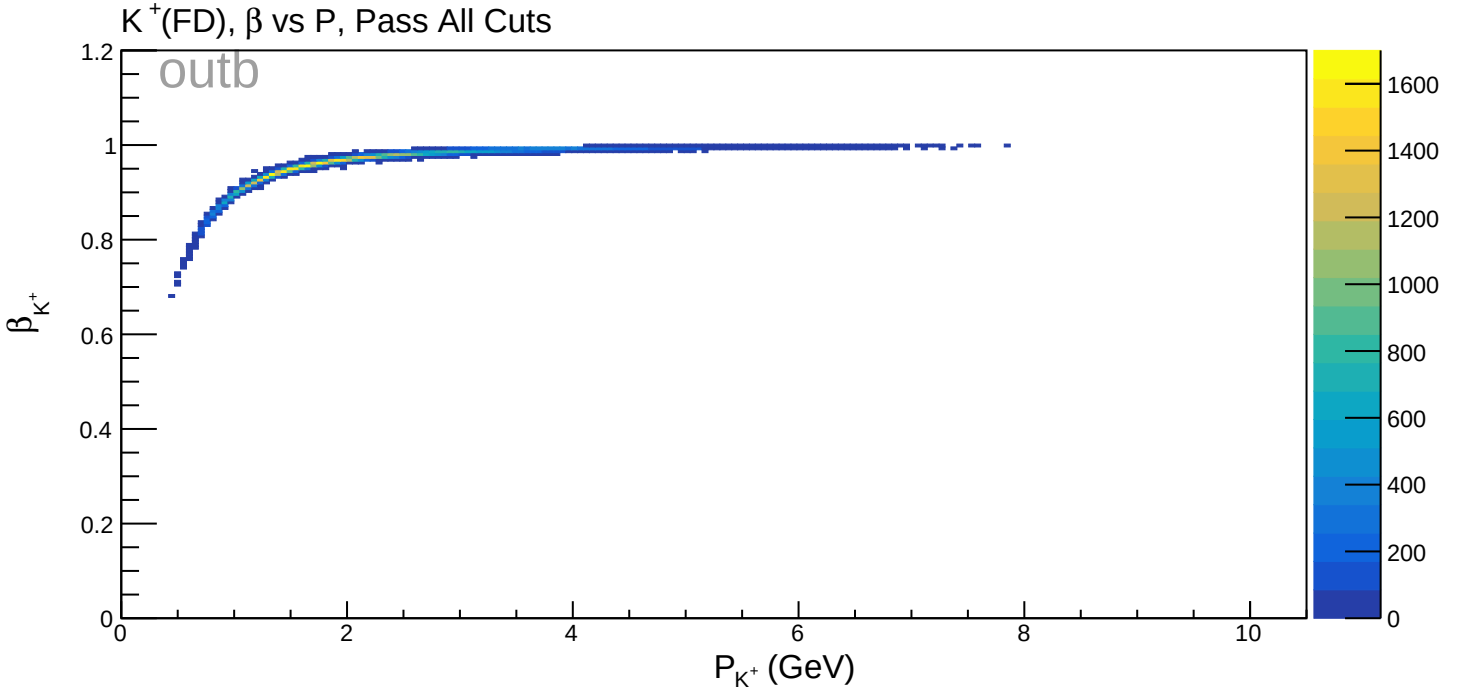

K⁻(FD), Θ vs P, Pass All Cuts
inb
Θ_K⁻ (deg)
P_K⁻ (GeV)

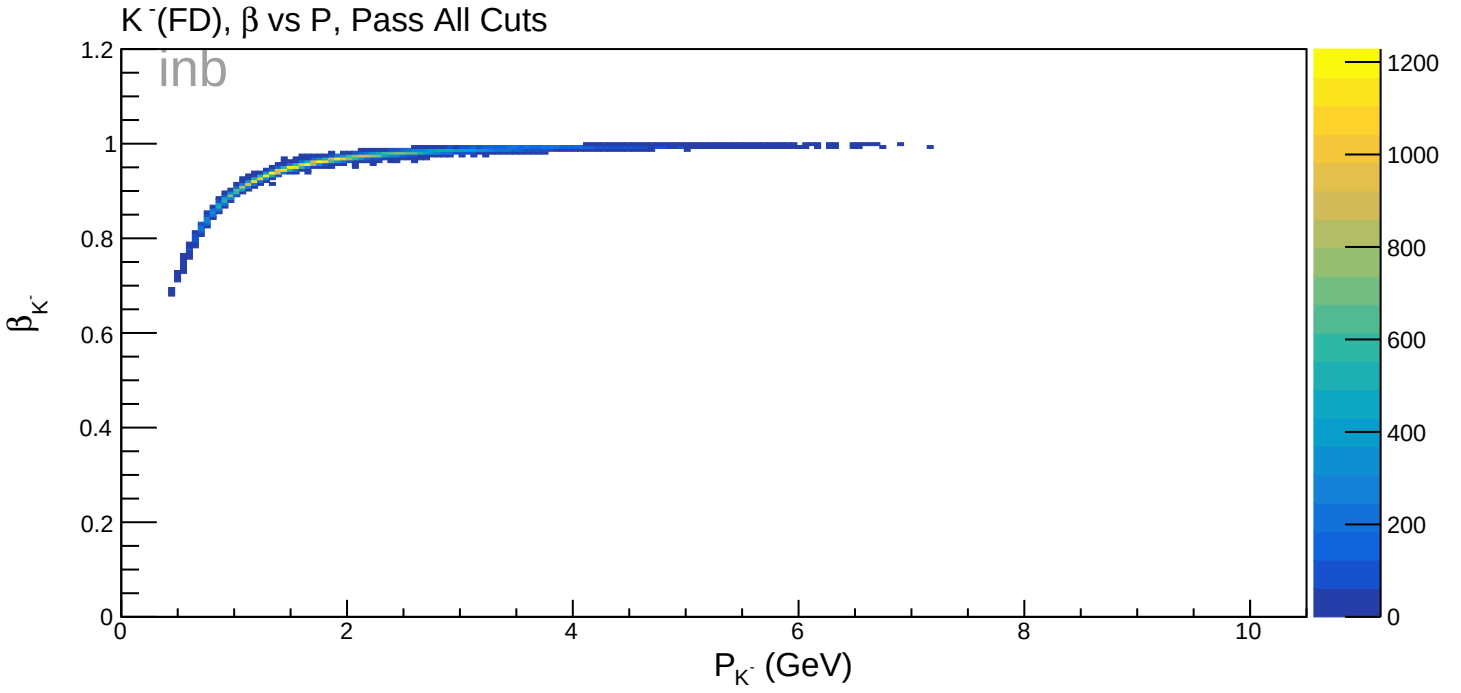

K⁻(FD), Θ vs P, Pass All Cuts
outb
Θ_K⁻ (deg)
P_K⁻ (GeV)

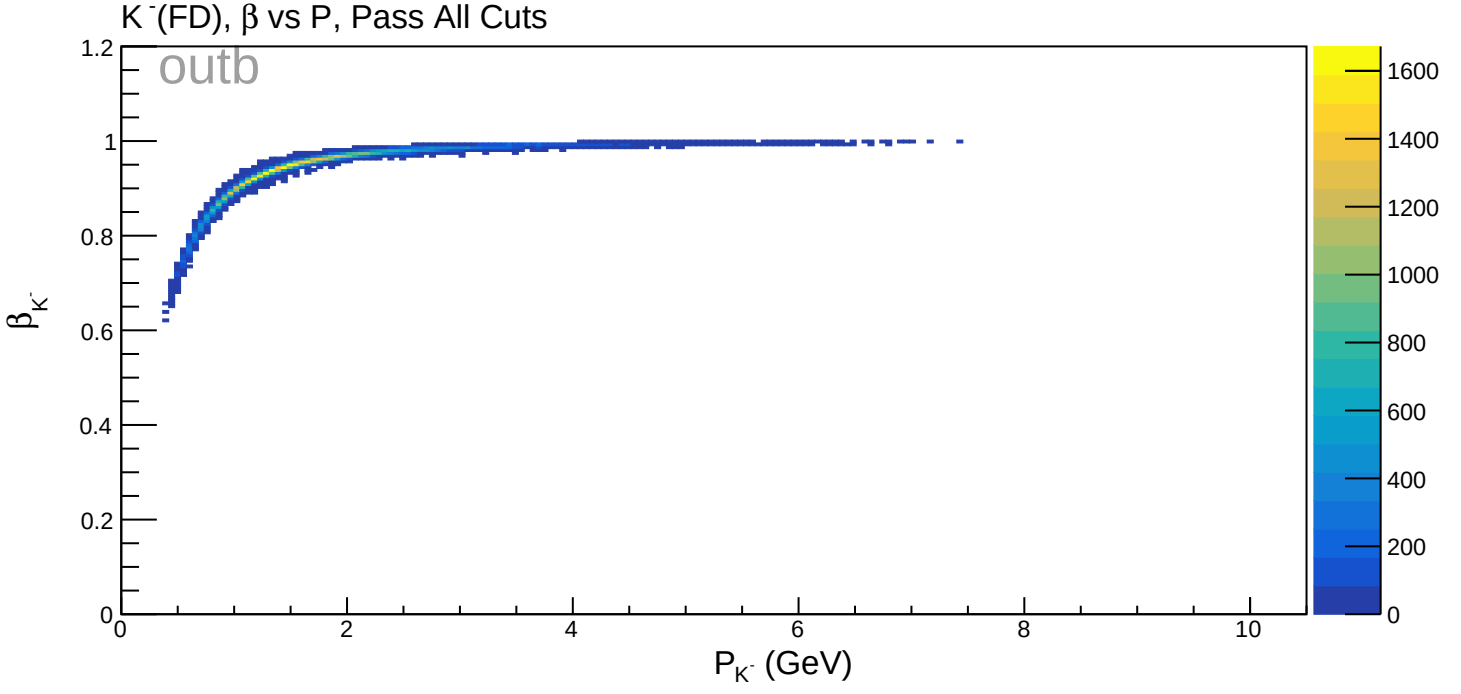

Proton (FD), β vs P, Pass All Cuts
inb
β_pr
P_pro (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
200
400
600
800
1000
1200

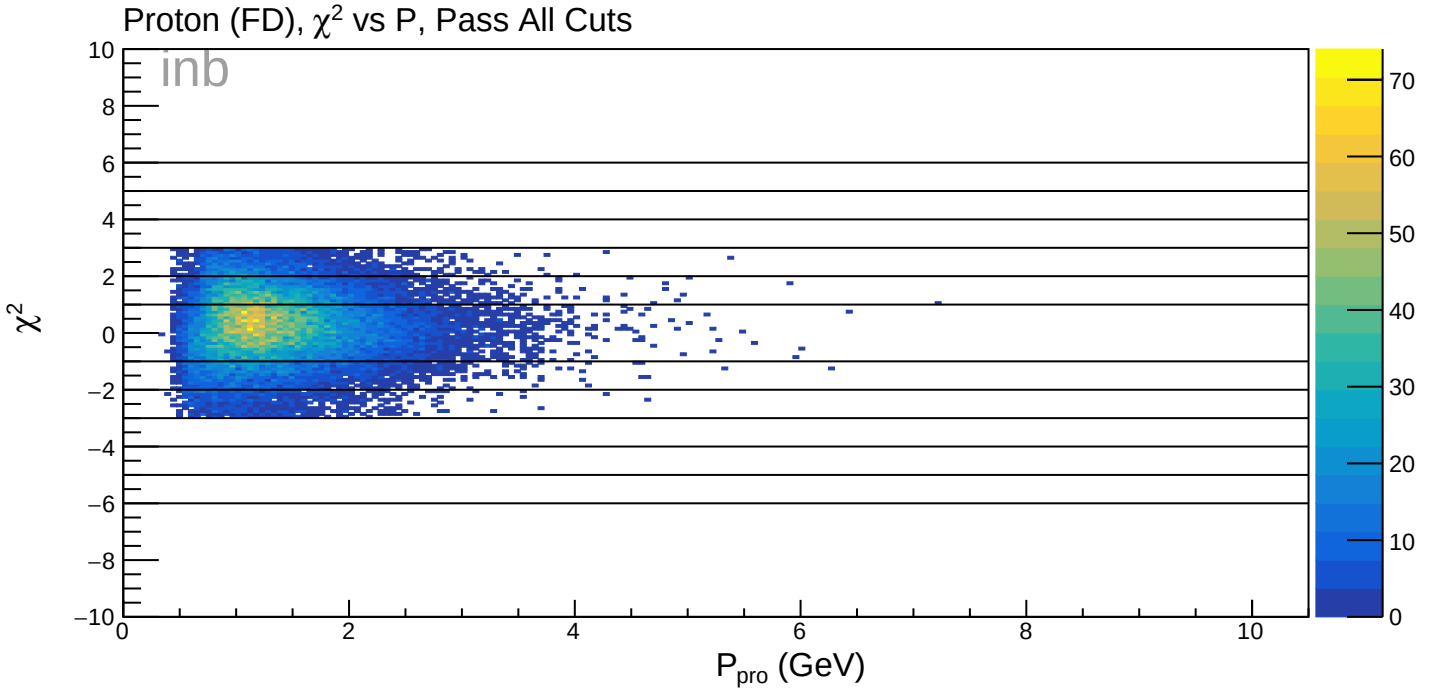

Proton (FD), β vs P, Pass All Cuts
outb
β_pr
P_pro (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200

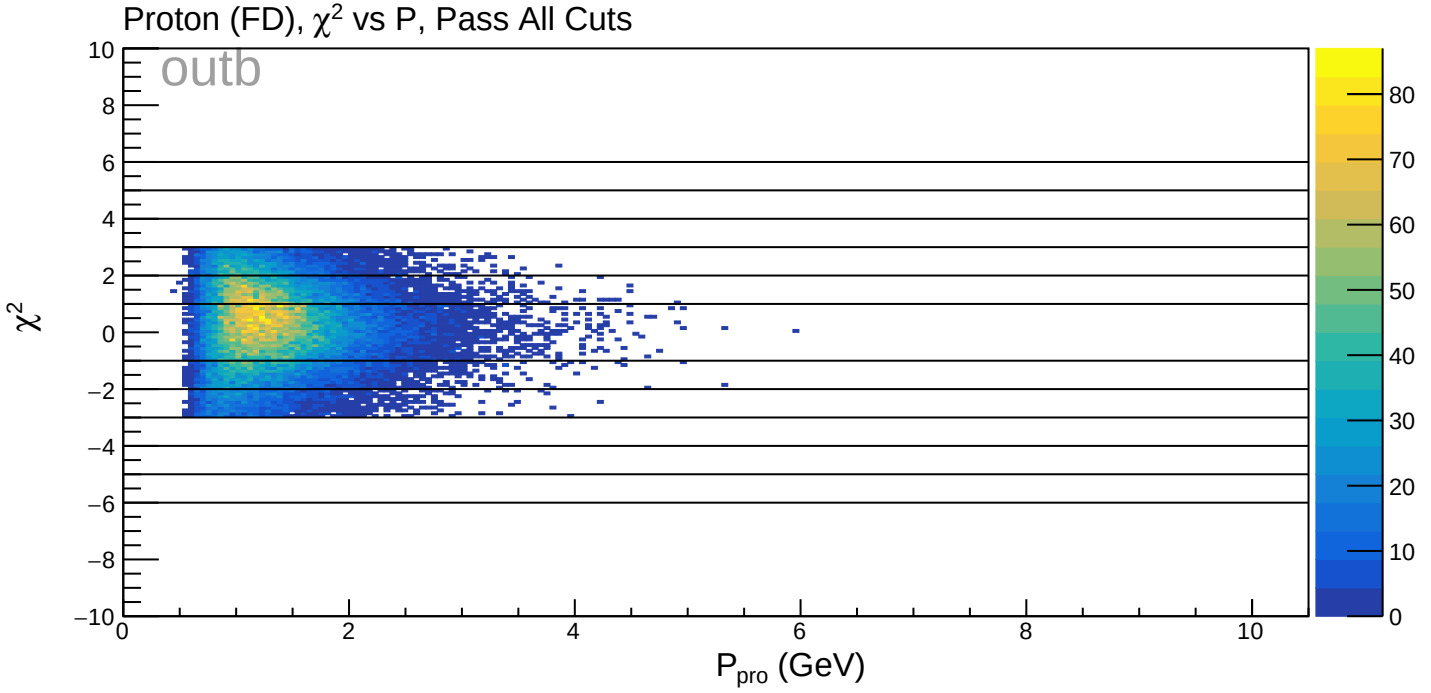

K +(FD), β vs P, Pass All Cuts
inb
β K+
P K+ (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
2
4
6
8
10
100
200
300
400
500
600
700
800
900

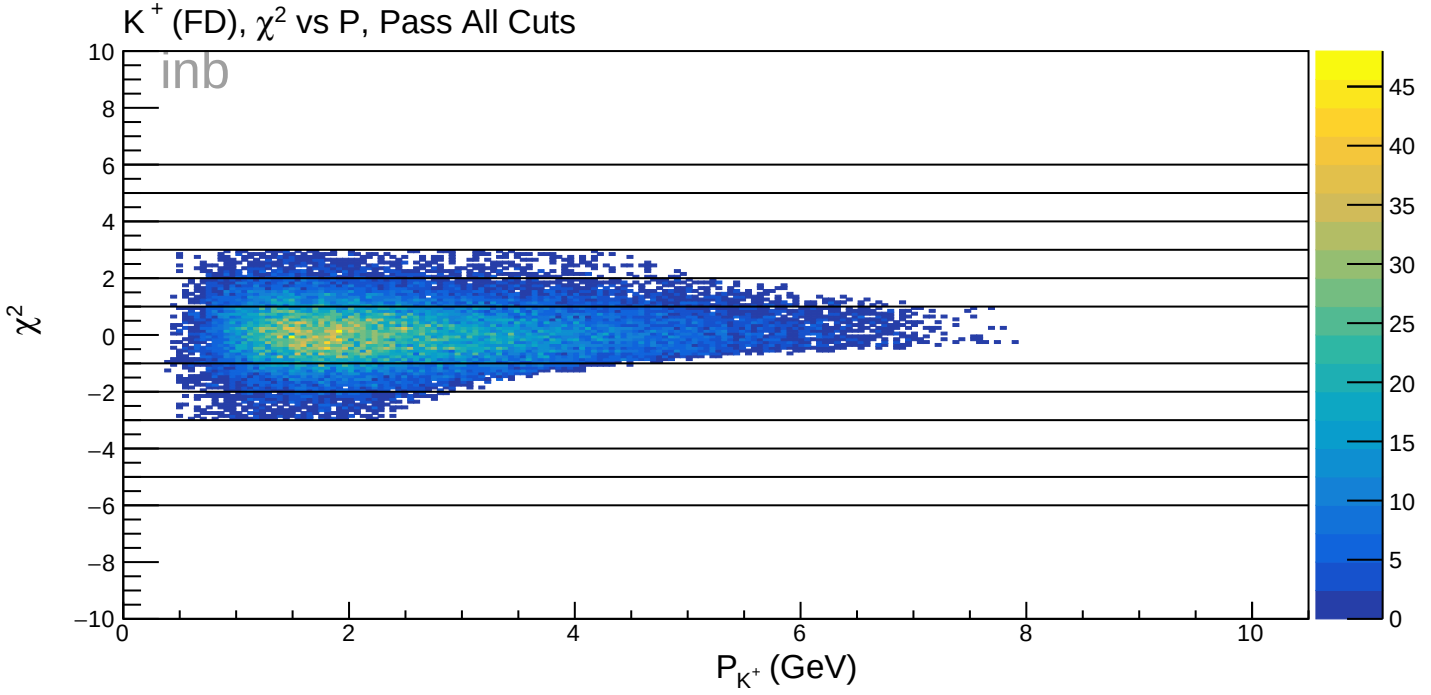

K +(FD), β vs P, Pass All Cuts
outb
β K+
P K+ (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
2
4
6
8
10
200
400
600
800
1000
1200
1400
1600

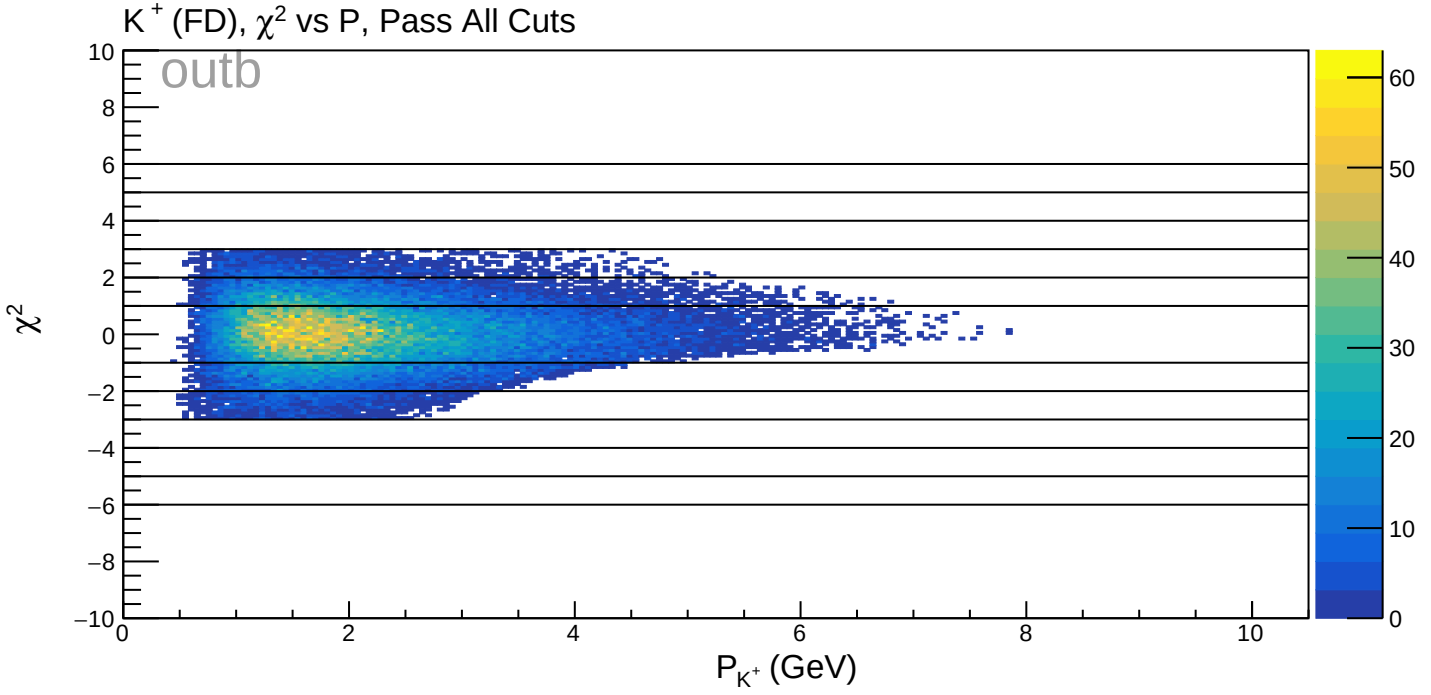

K⁻(FD), β vs P, Pass All Cuts
inb
β_K⁻
P_K⁻ (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
200
400
600
800
1000
1200

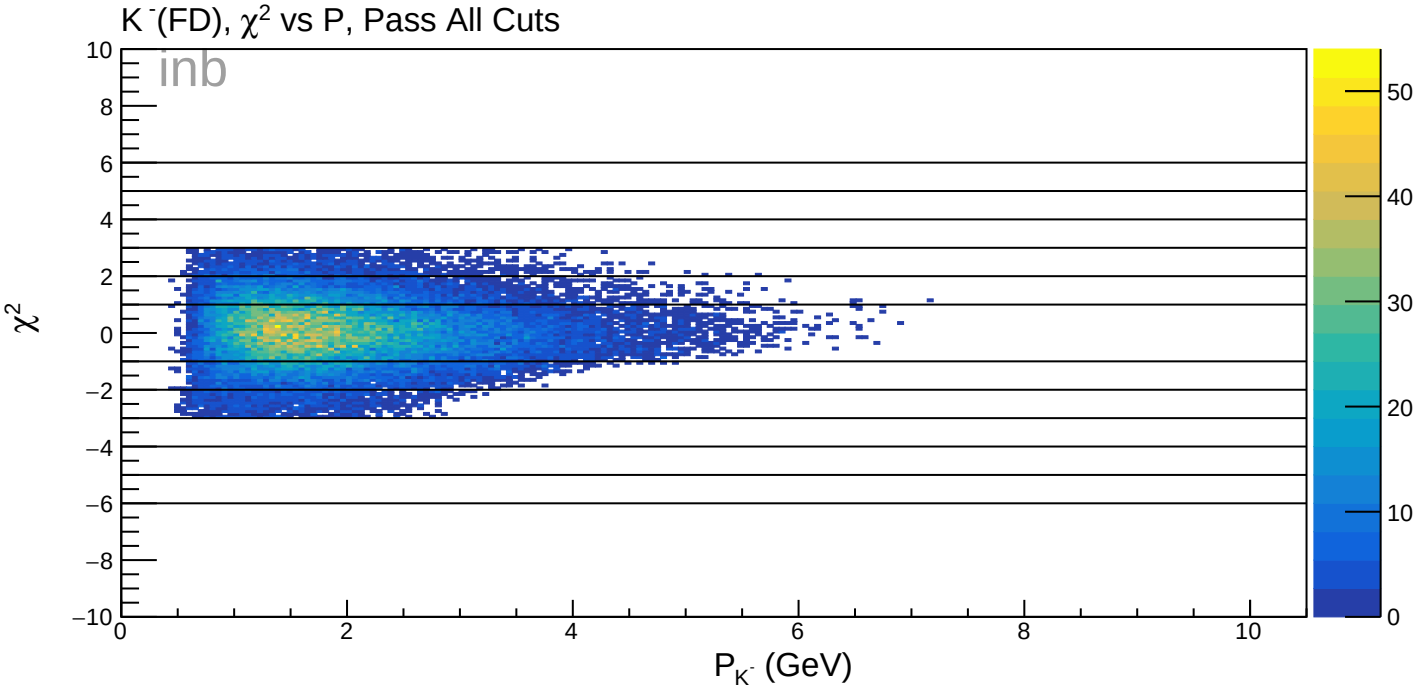

K⁻(FD), β vs P, Pass All Cuts
outb
β_K⁻
P_K⁻ (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
200
400
600
800
1000
1200
1400
1600

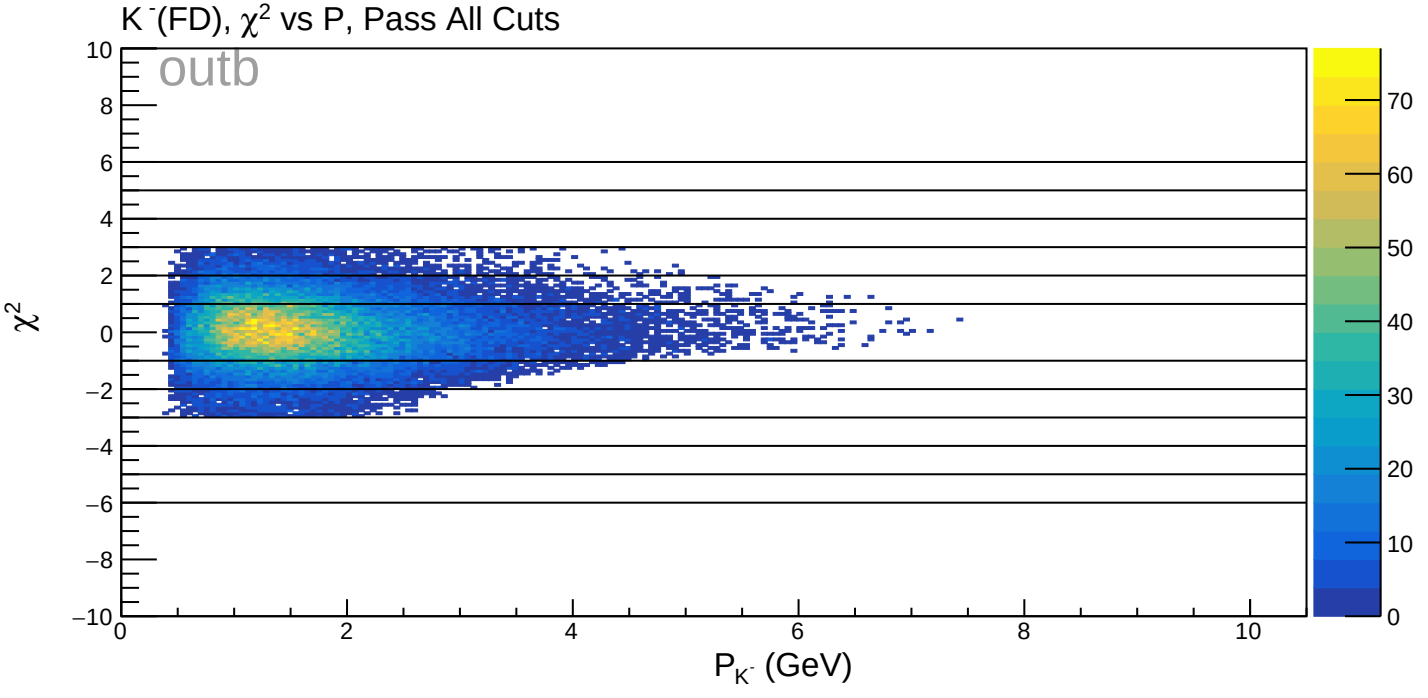

Proton (FD), χ^2 vs P, Pass All Cuts
inb
χ^2
P_{pro} (GeV)

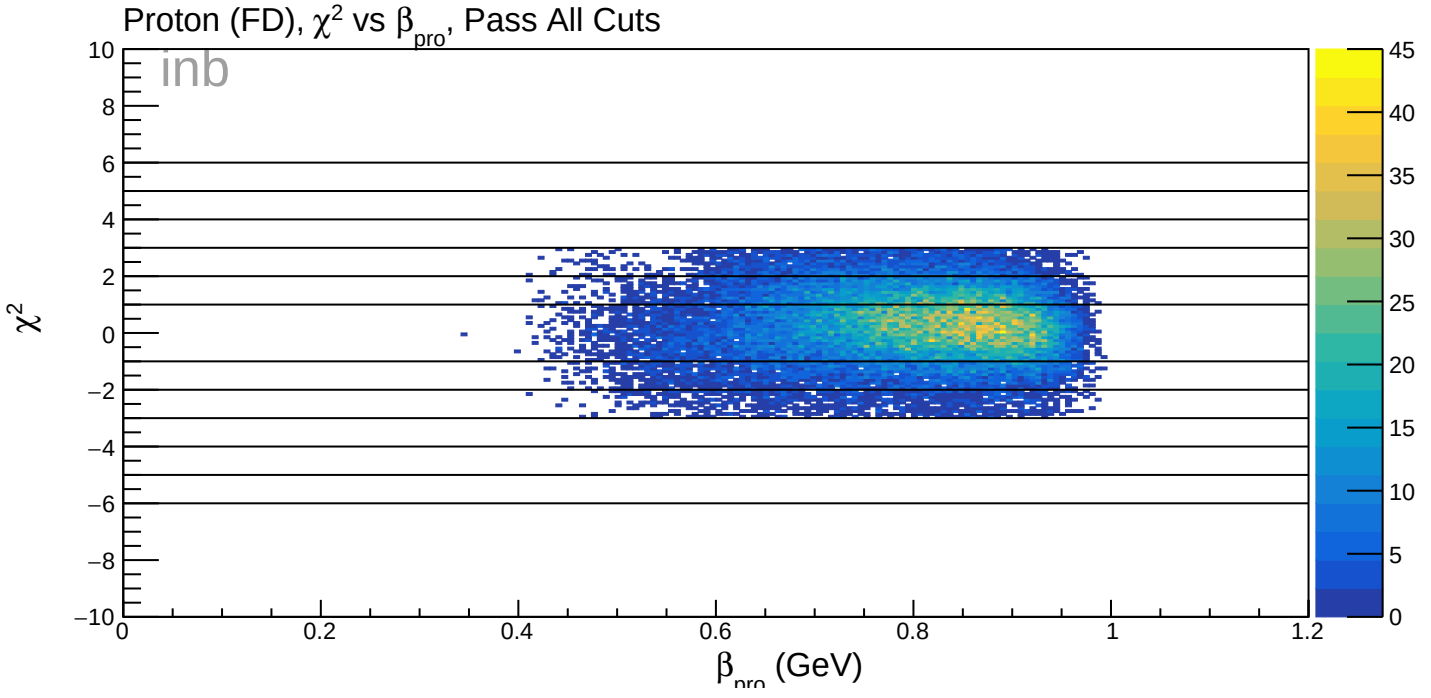

Proton (FD), χ^2 vs P, Pass All Cuts
outb
χ^2
P_{pro} (GeV)

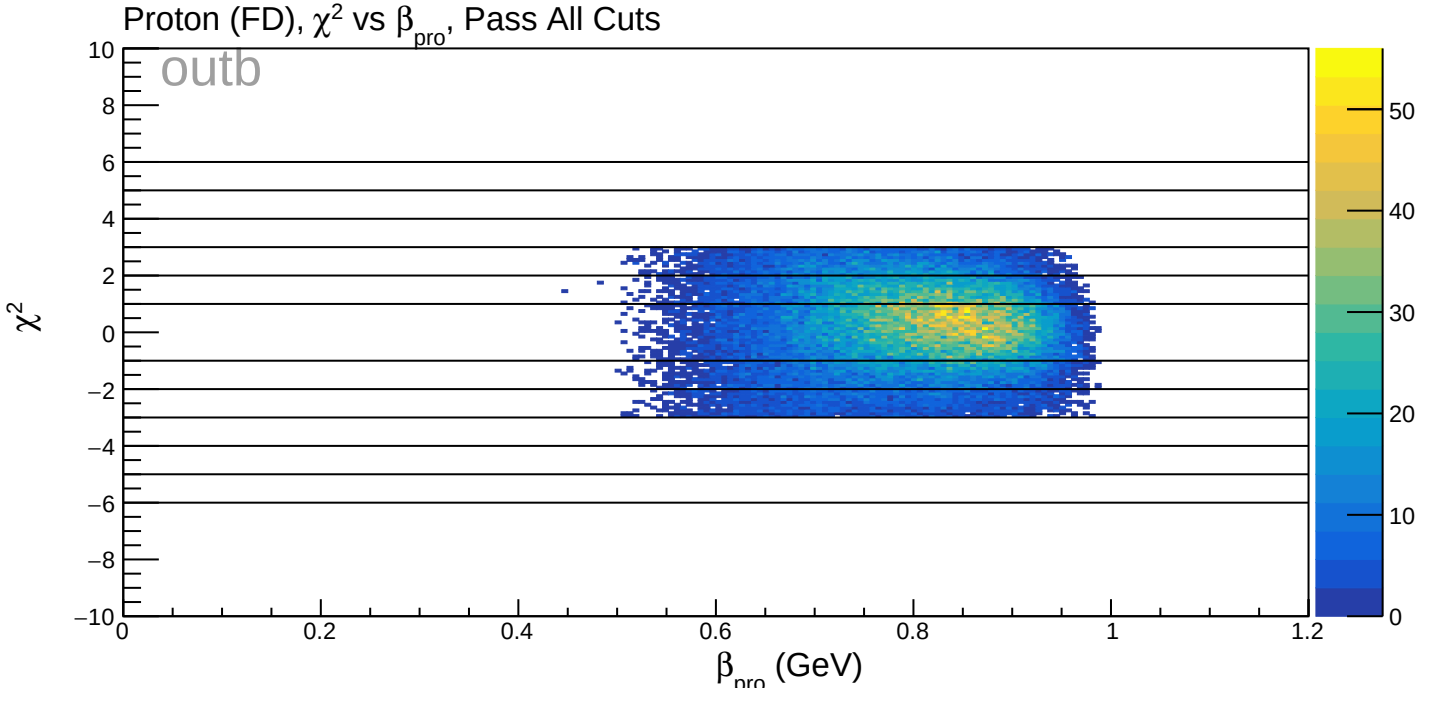

K + (FD), χ2 vs P, Pass All Cuts
inb
χ2
P K+ (GeV)

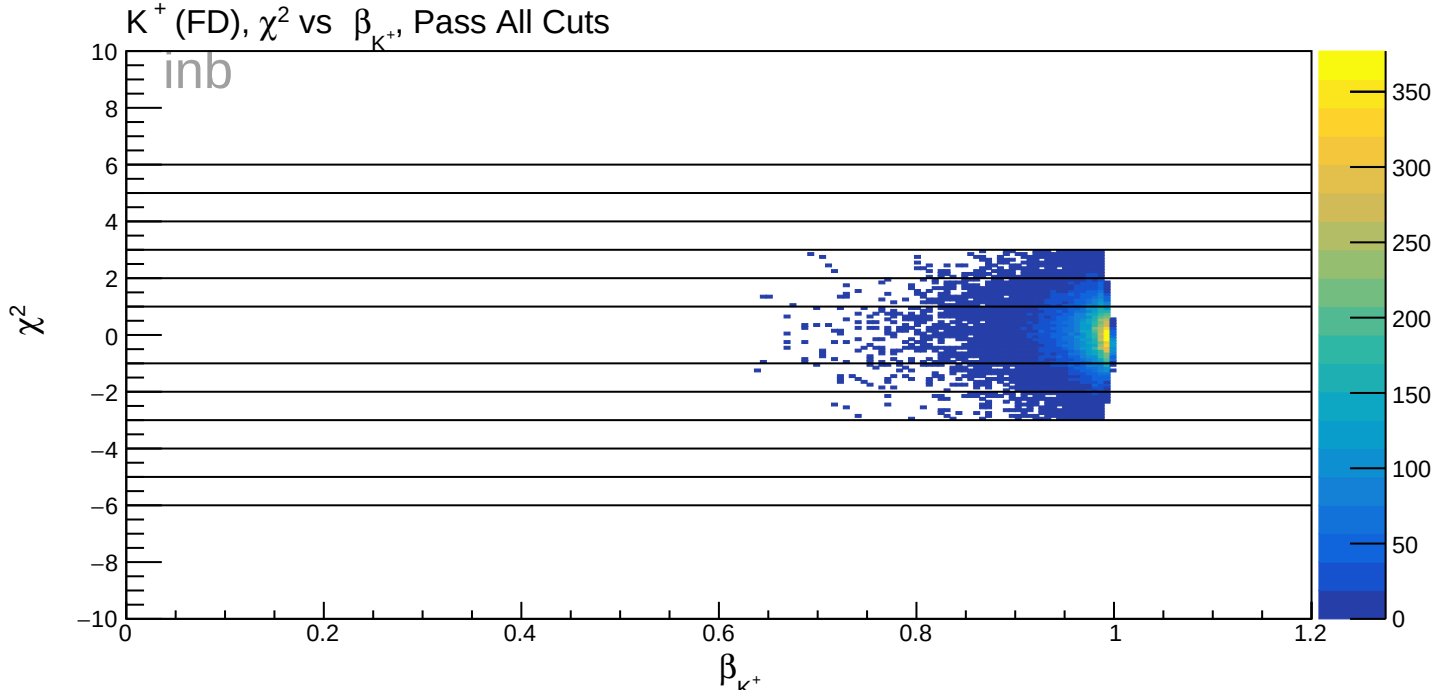

K + (FD), χ2 vs P, Pass All Cuts
outb
χ2
P K+ (GeV)

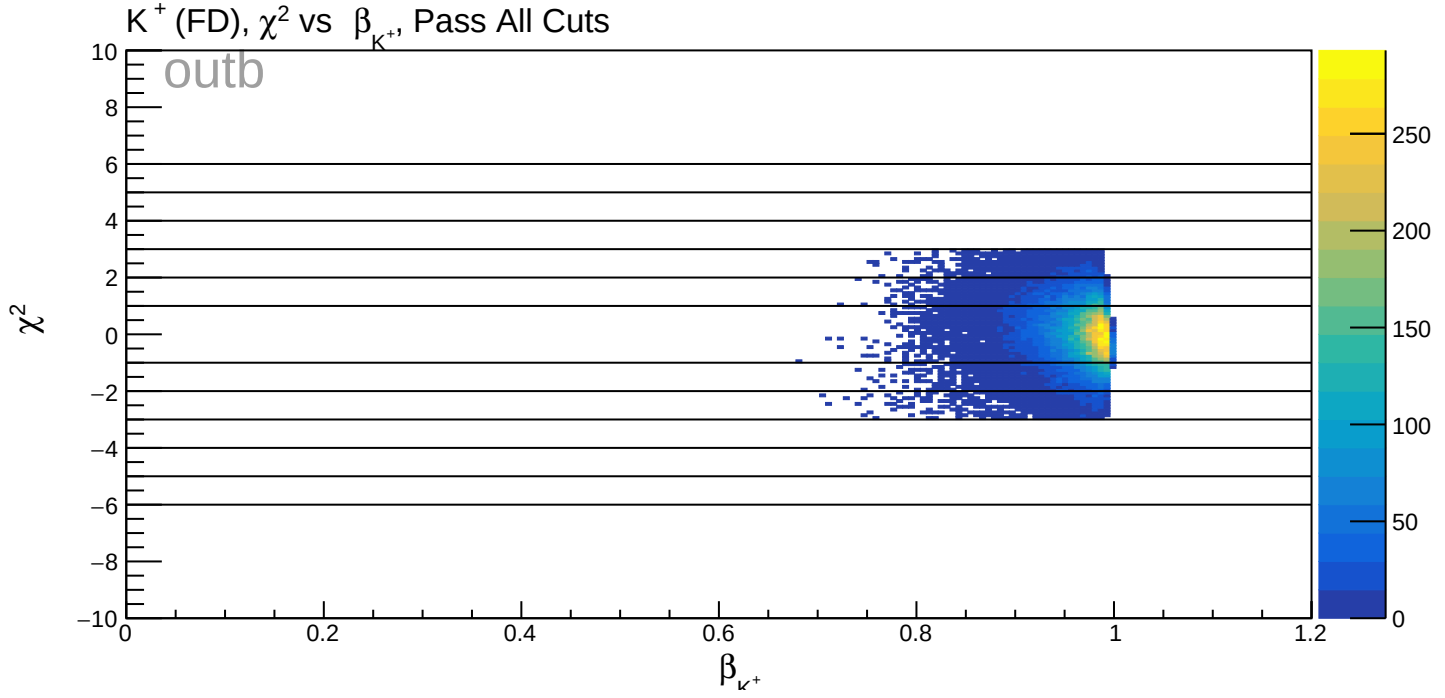

K⁻(FD), χ² vs P, Pass All Cuts
inb
χ²
P_K⁻ (GeV)

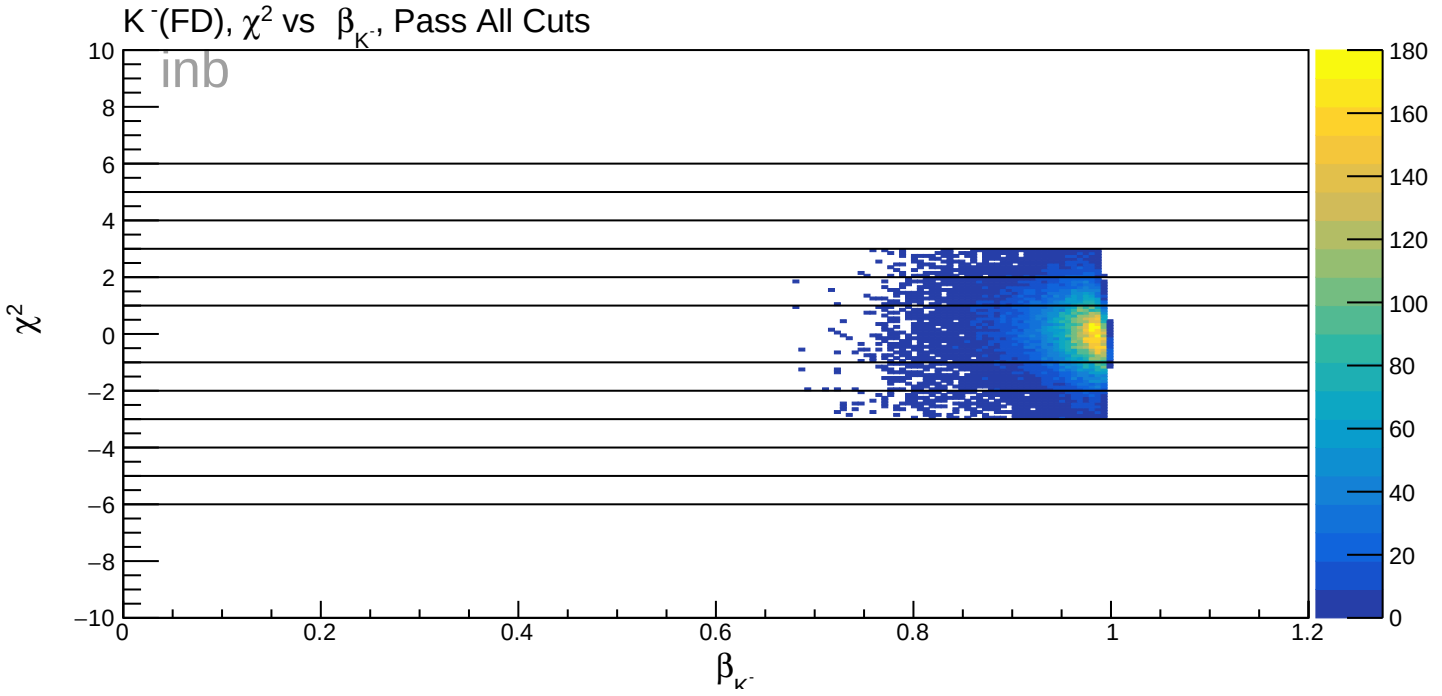

K⁻(FD), χ² vs P, Pass All Cuts
outb
χ²
P_K⁻ (GeV)

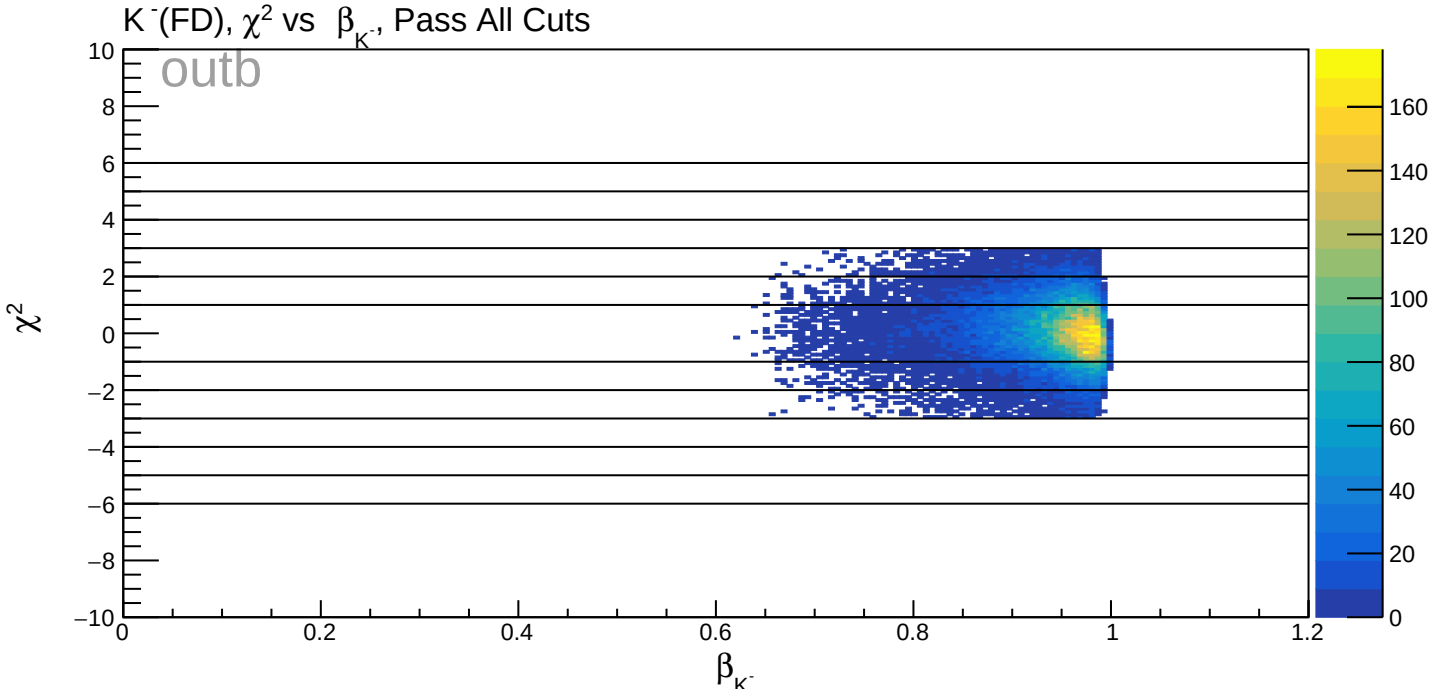

Proton (FD), χ^2 vs β_{pro}, Pass All Cuts
inb
χ^2
β_{pro} (GeV)

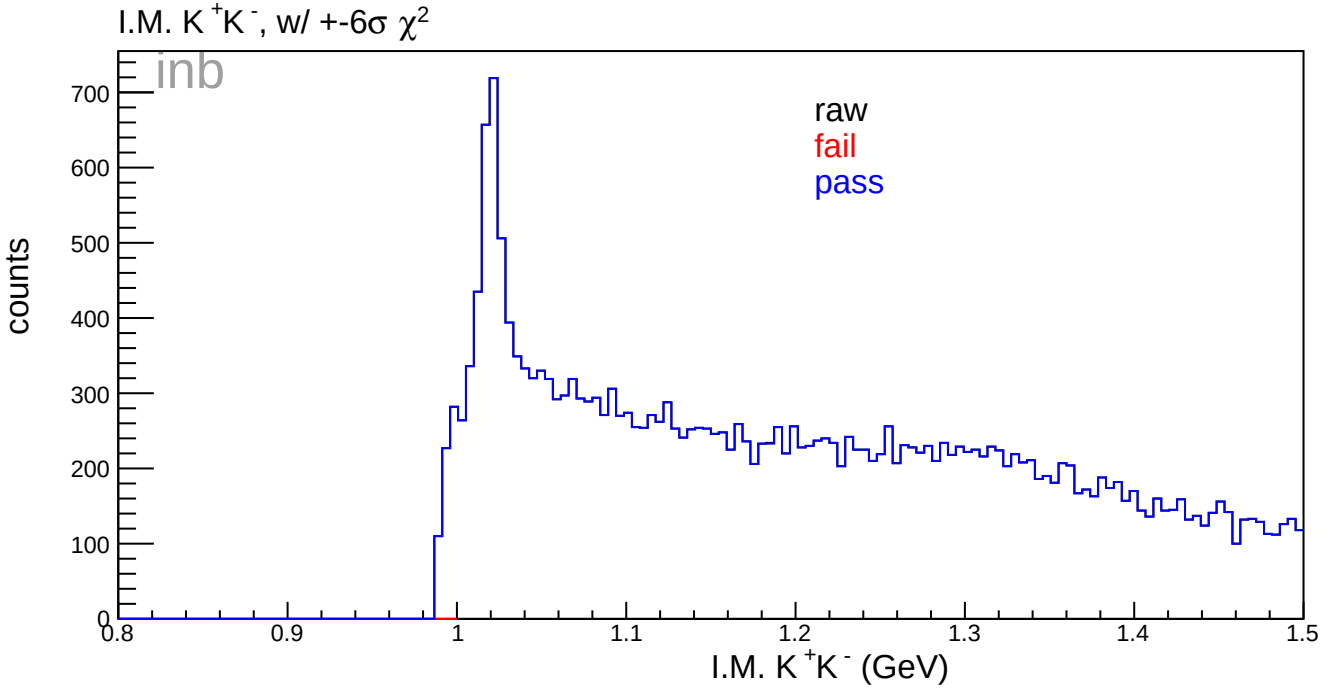

Proton (FD), χ^2 vs β_{pro}, Pass All Cuts
outb
χ^2
β_{pro} (GeV)

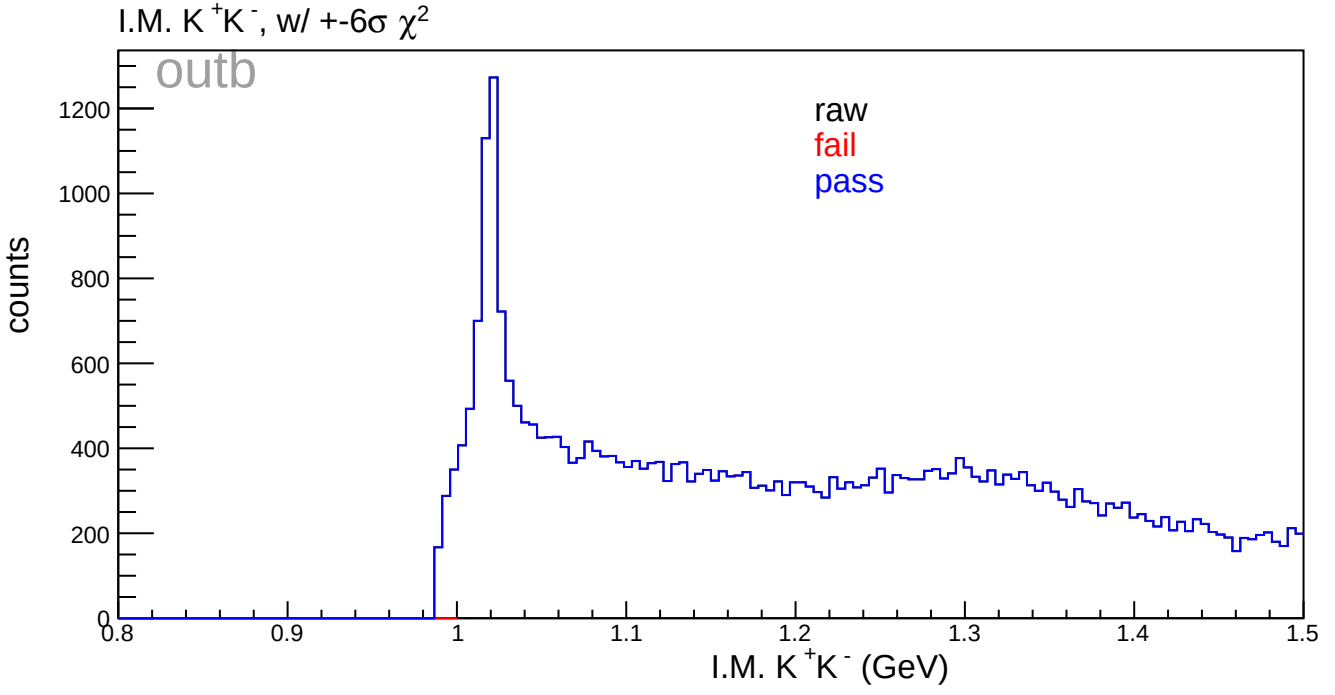

K+ (FD), χ2 vs βK+, Pass All Cuts
inb
χ2
βK+
10
8
6
4
2
0
−2
−4
−6
−8
−10
0
0.2
0.4
0.6
0.8
1
1.2
350
300
250
200
150
100
50
0

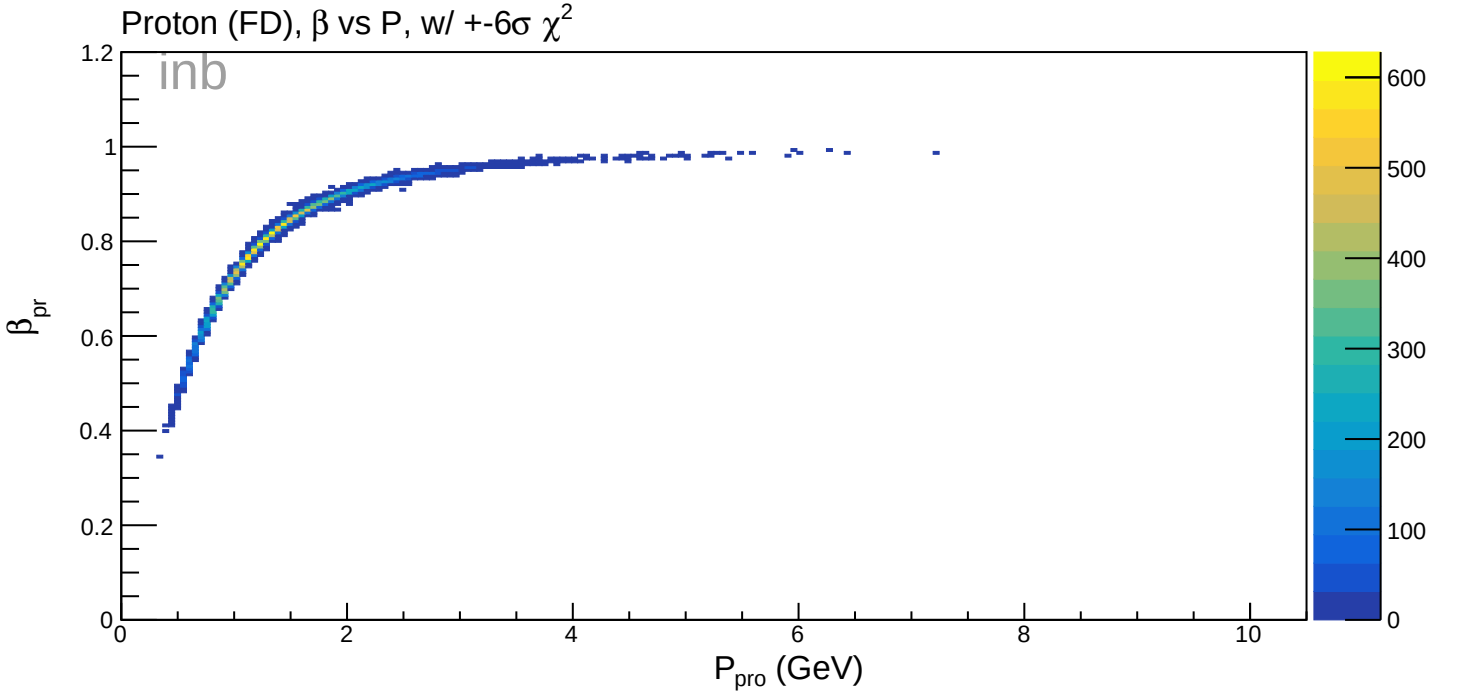

K+ (FD), χ2 vs βK+, Pass All Cuts
outb
χ2
βK+
10
8
6
4
2
0
−2
−4
−6
−8
−10
0
0.2
0.4
0.6
0.8
1
1.2
250
200
150
100
50
0

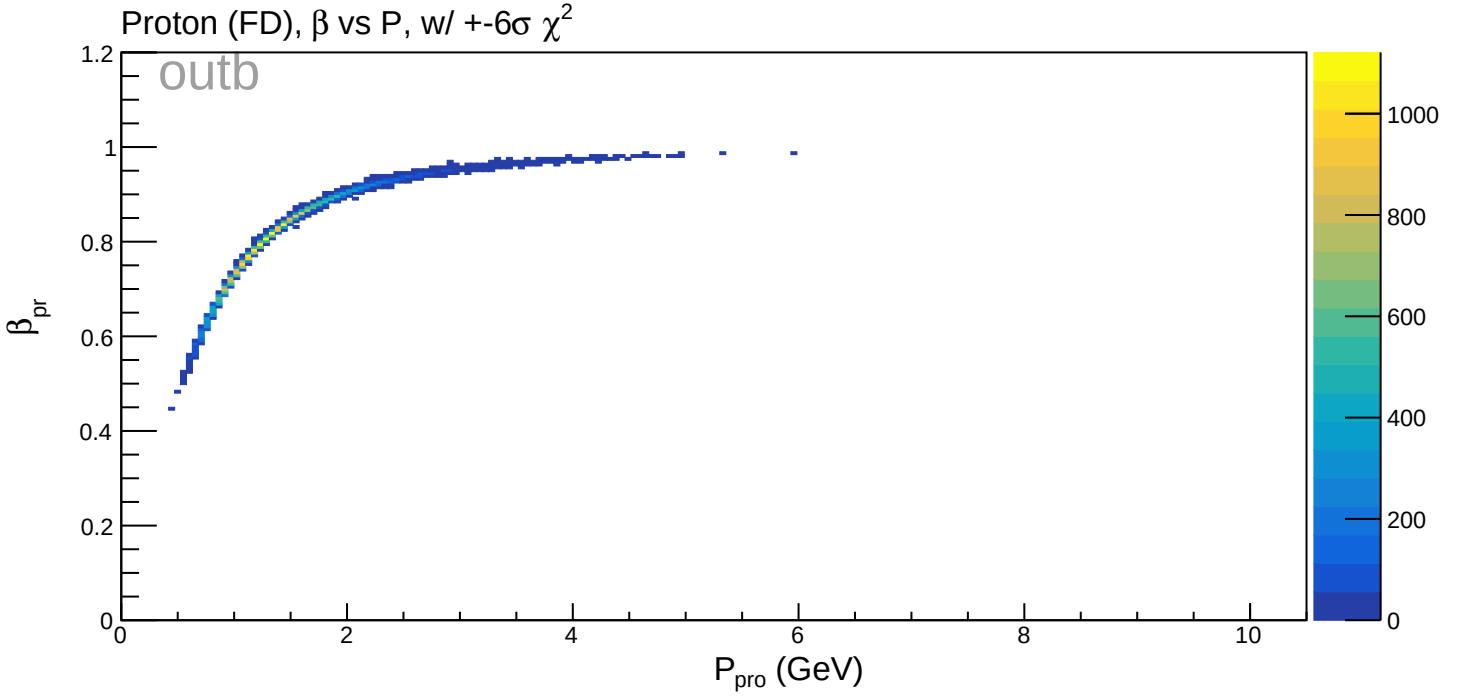

K⁻(FD), χ² vs β_K⁻, Pass All Cuts
inb
χ²
β_K⁻
10
8
6
4
2
0
−2
−4
−6
−8
−10
0
0.2
0.4
0.6
0.8
1
1.2
180
160
140
120
100
80
60
40
20
0

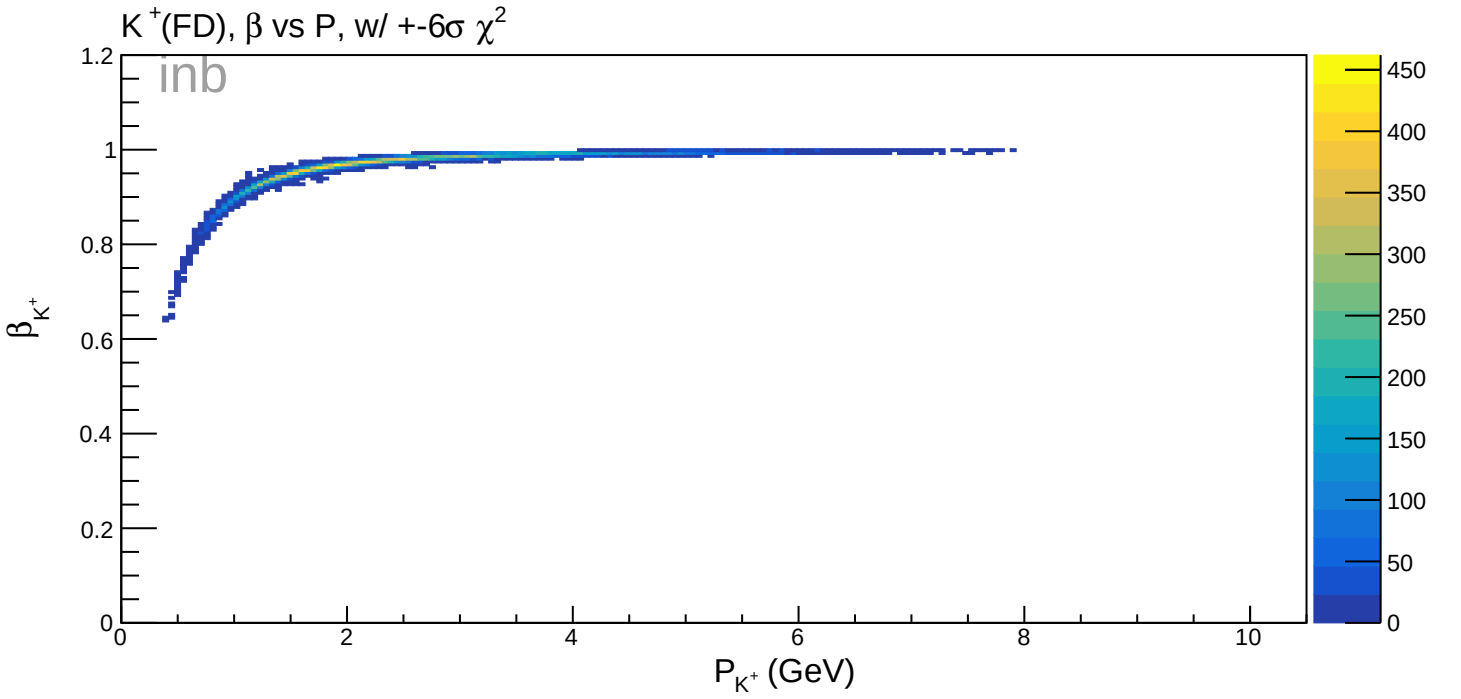

K⁻(FD), χ² vs β_K⁻, Pass All Cuts
outb
χ²
β_K⁻
10
8
6
4
2
0
−2
−4
−6
−8
−10
0
0.2
0.4
0.6
0.8
1
1.2
160
140
120
100
80
60
40
20
0

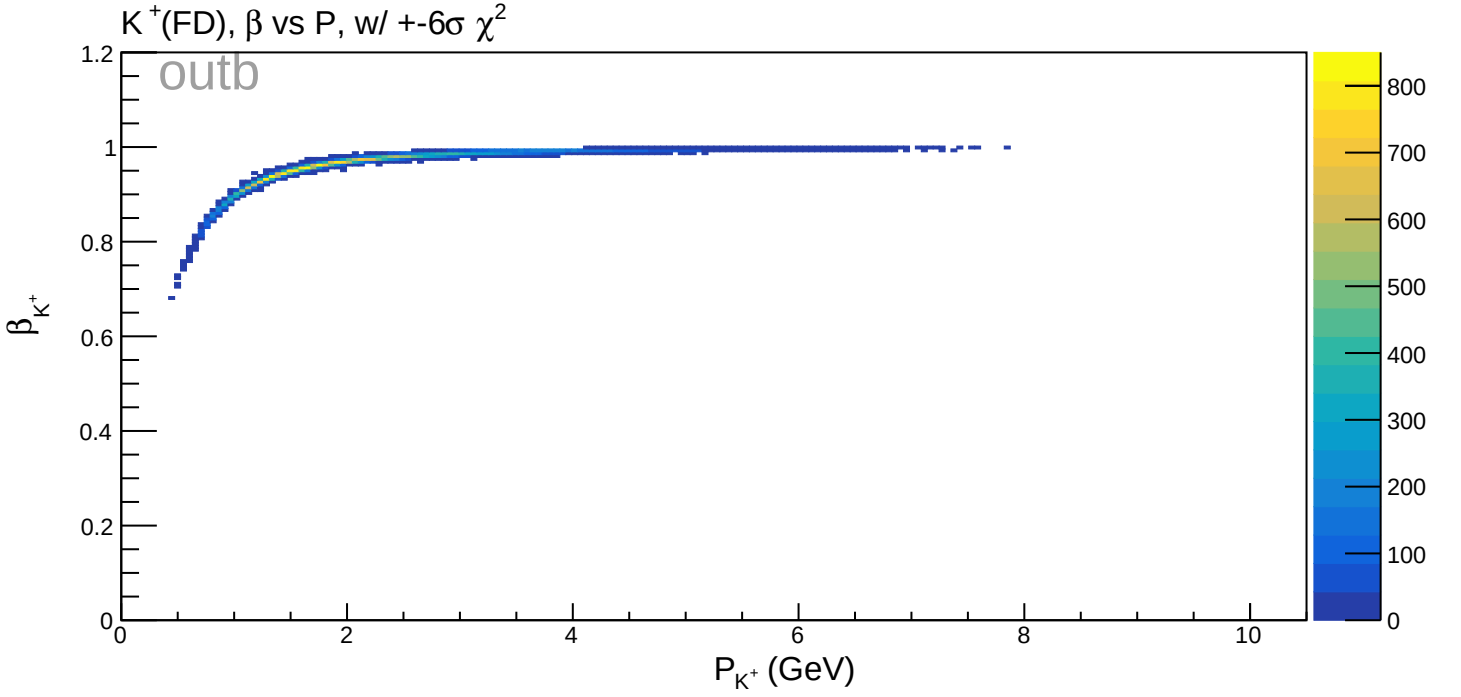

I.M. K+K-, w/ +-6σ χ2
inb
raw
fail
pass
counts
I.M. K+K- (GeV)

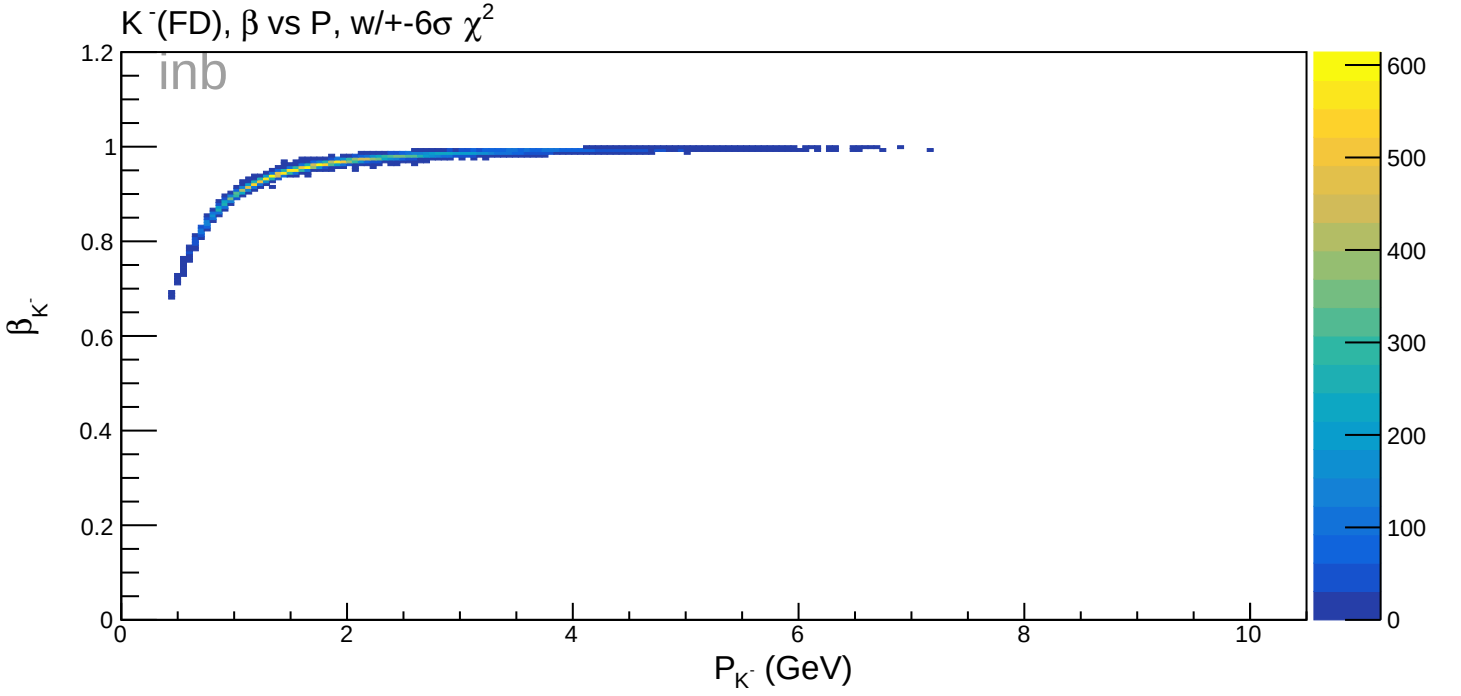

I.M. K+K-, w/ +-6σ χ2
outb
raw
fail
pass
counts
I.M. K+K- (GeV)

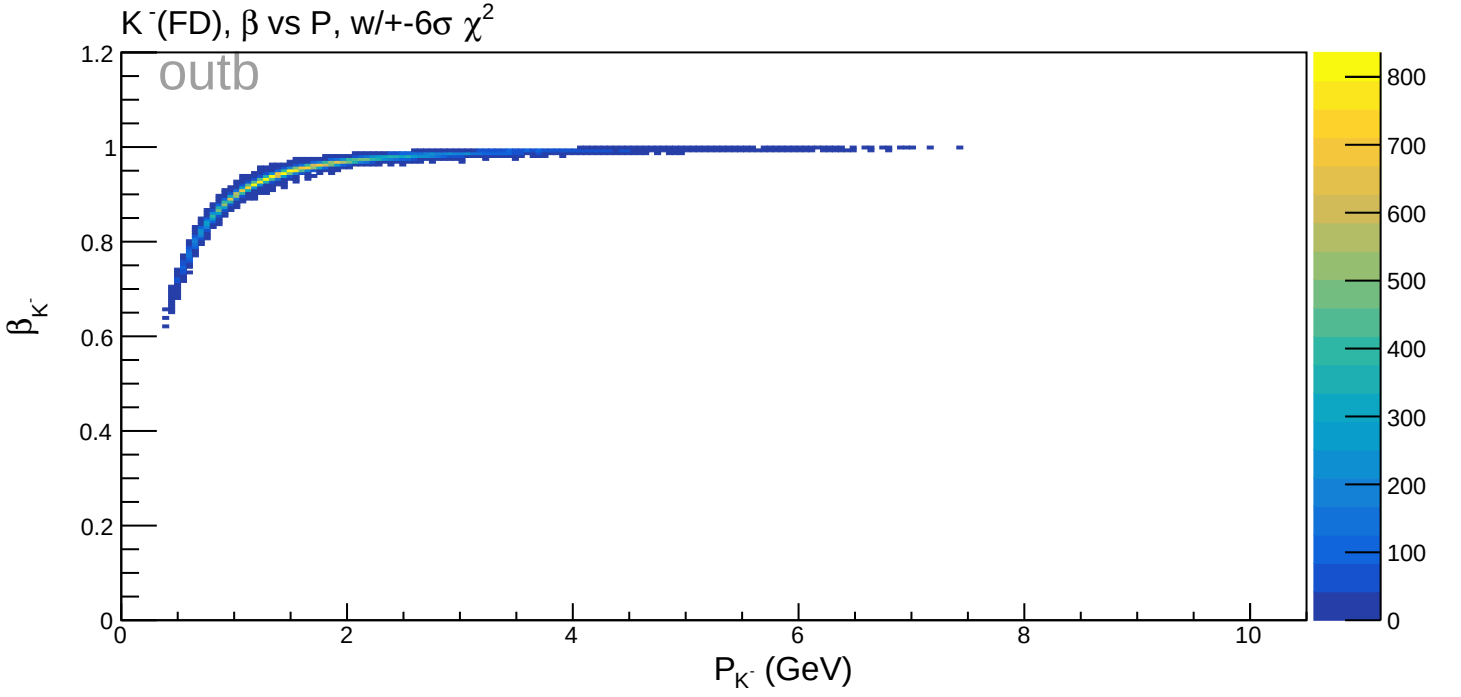

Proton (FD), β vs P, w/ +-6σ χ²
inb
β_pr
P_pro (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
100
200
300
400
500
600

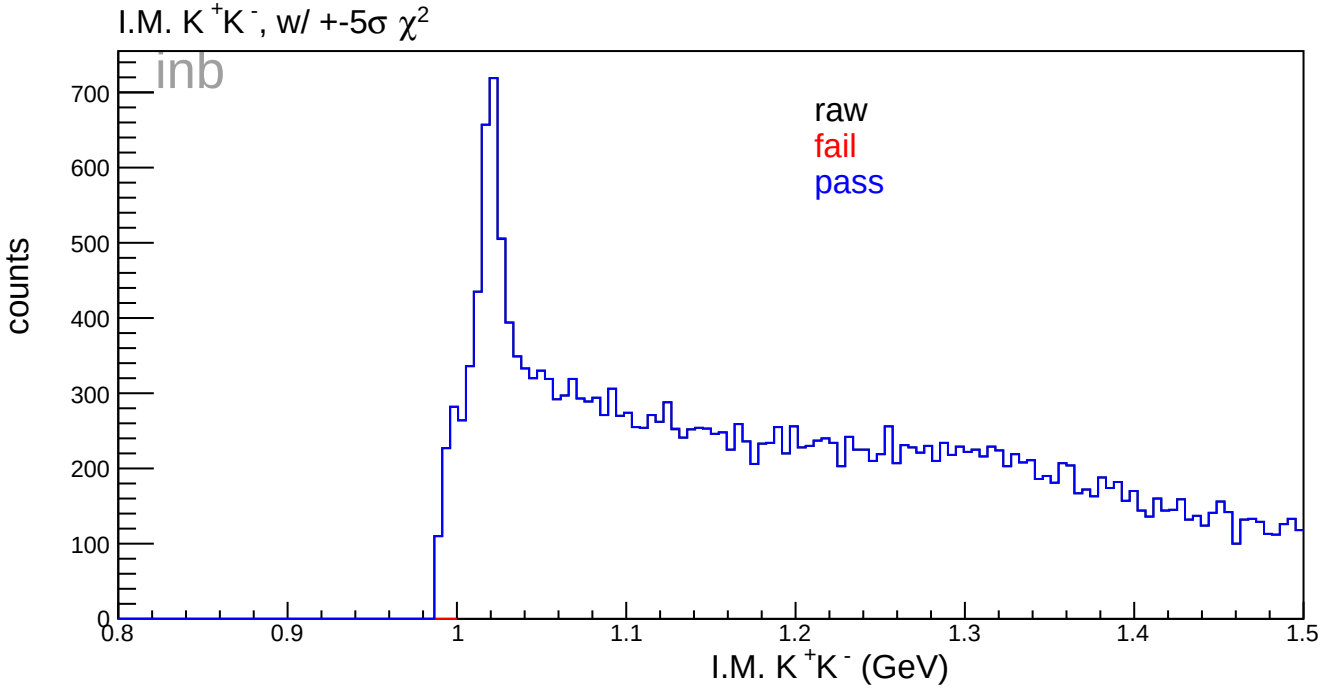

Proton (FD), β vs P, w/ +-6σ χ²
outb
β_pr
P_pro (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
200
400
600
800
1000

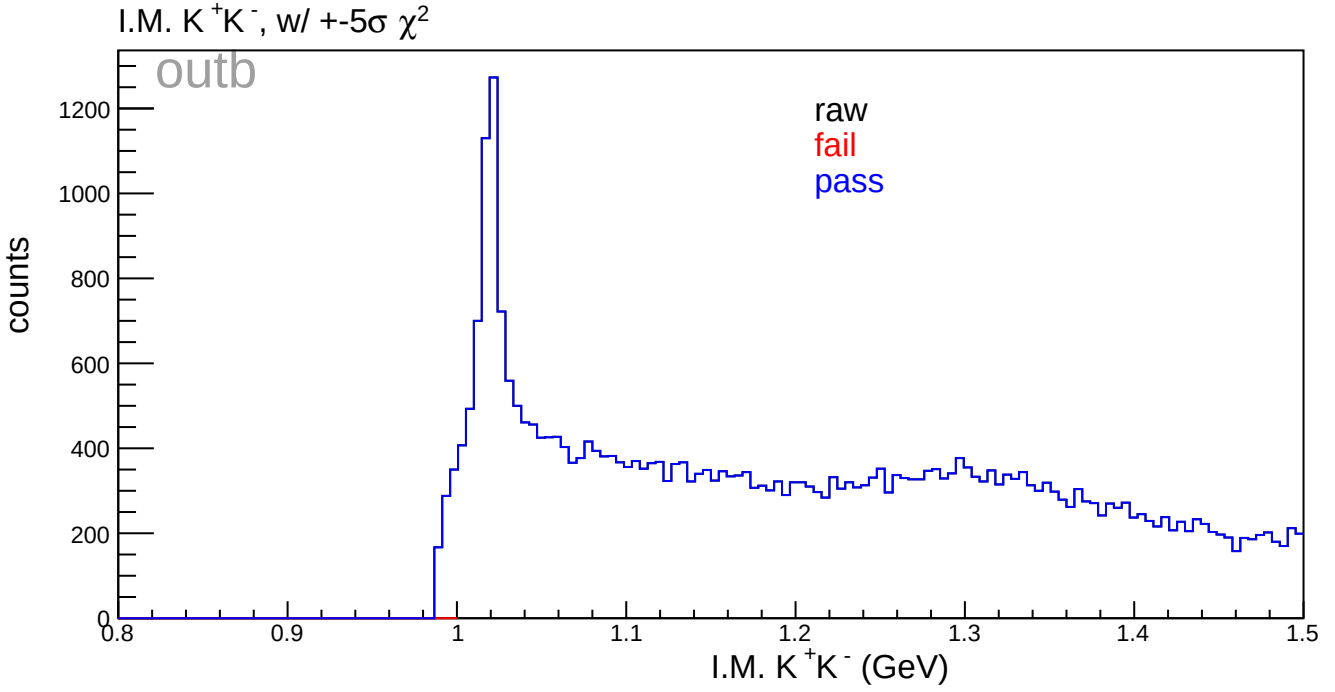

K+(FD), β vs P, w/ +-6σ χ2
inb
βK+
PK+ (GeV)

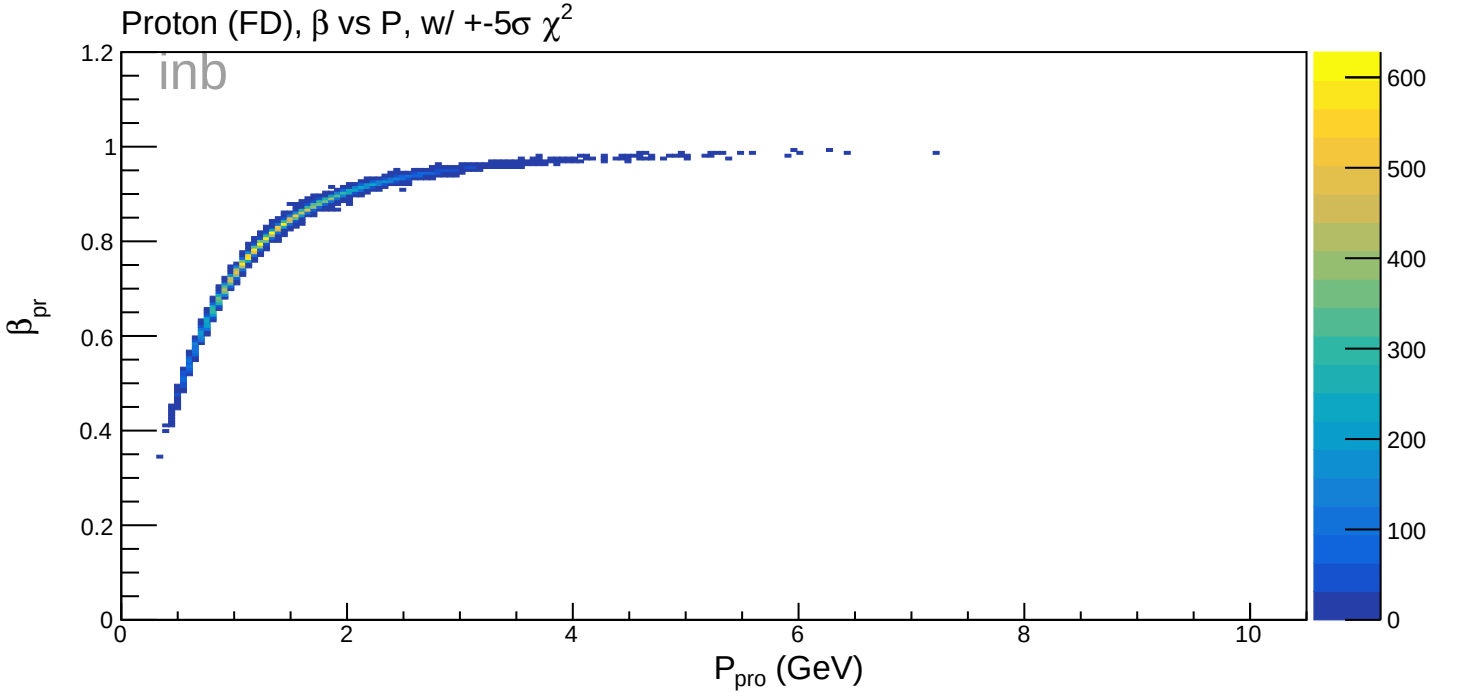

K+(FD), β vs P, w/ +-6σ χ2
outb
βK+
PK+ (GeV)

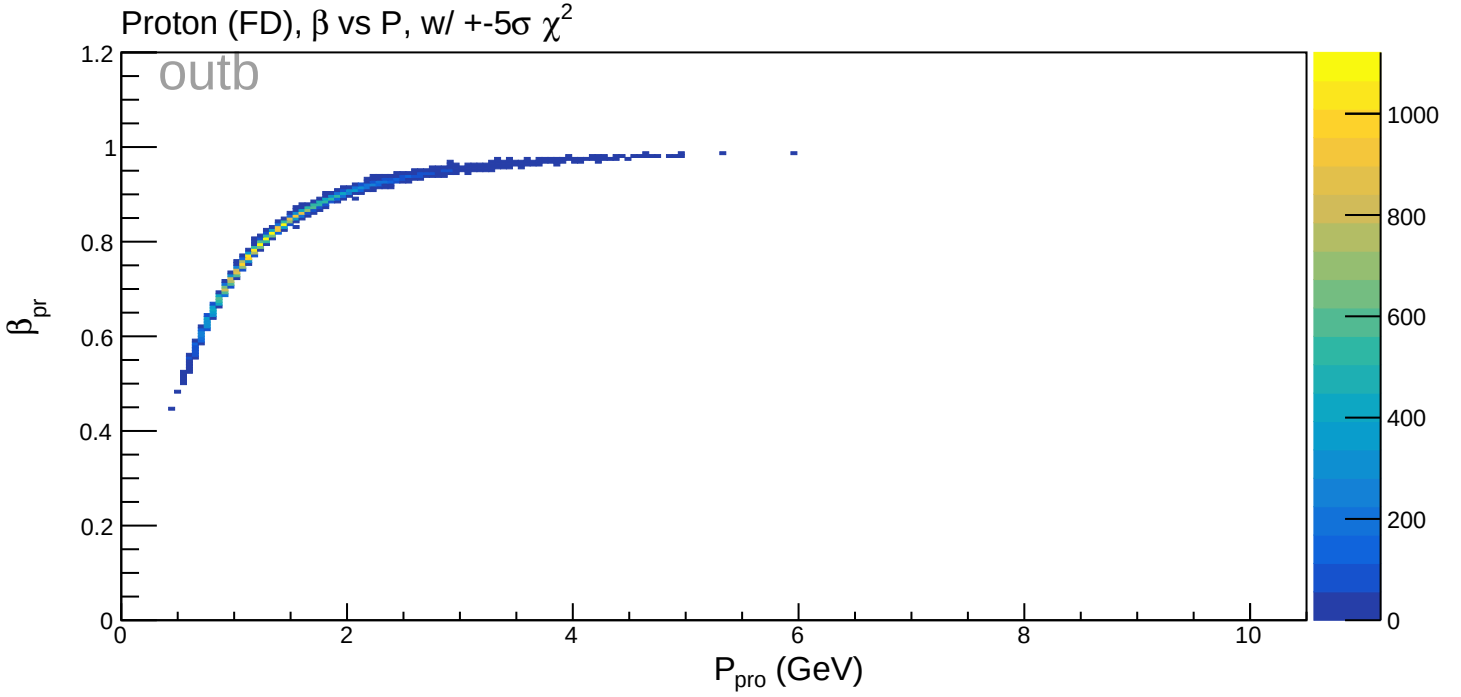

K⁻(FD), β vs P, w/+-6σ χ²
inb
β_K⁻
P_K⁻ (GeV)

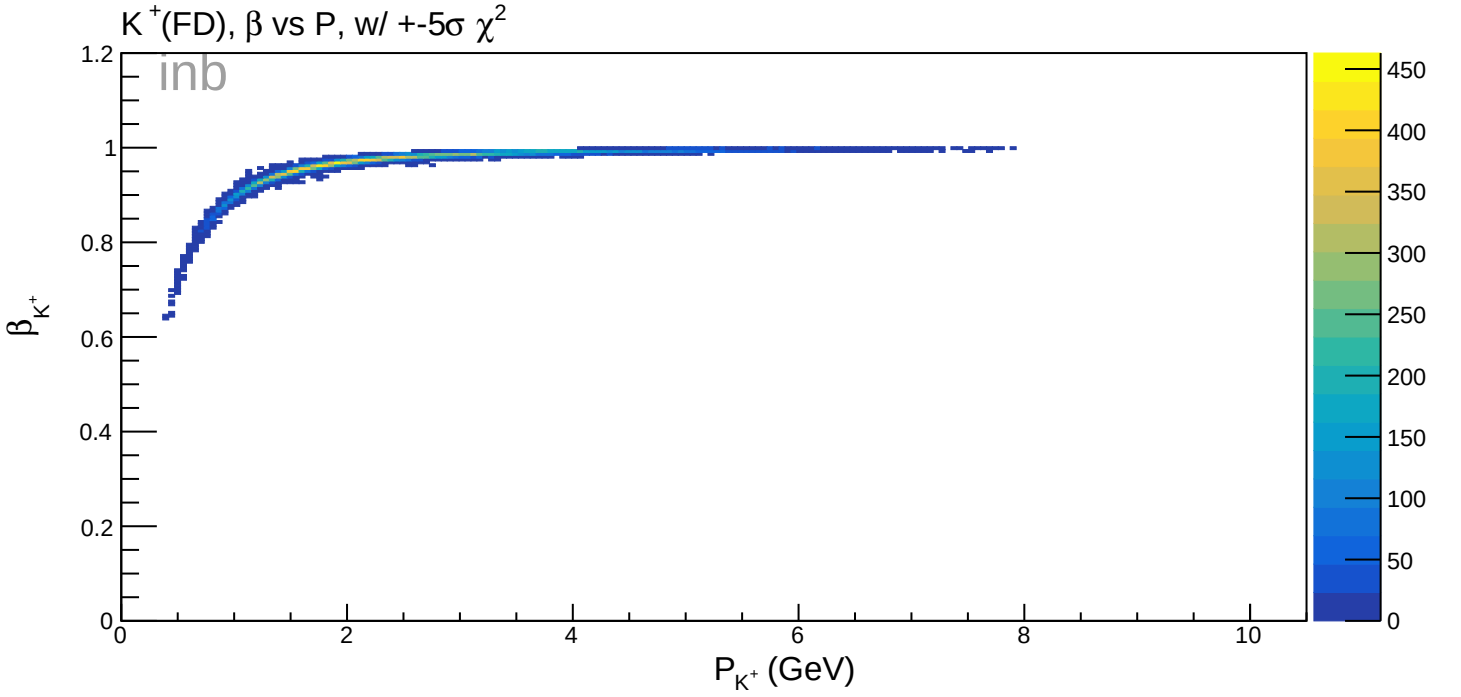

K⁻(FD), β vs P, w/+-6σ χ²
outb
β_K⁻
P_K⁻ (GeV)

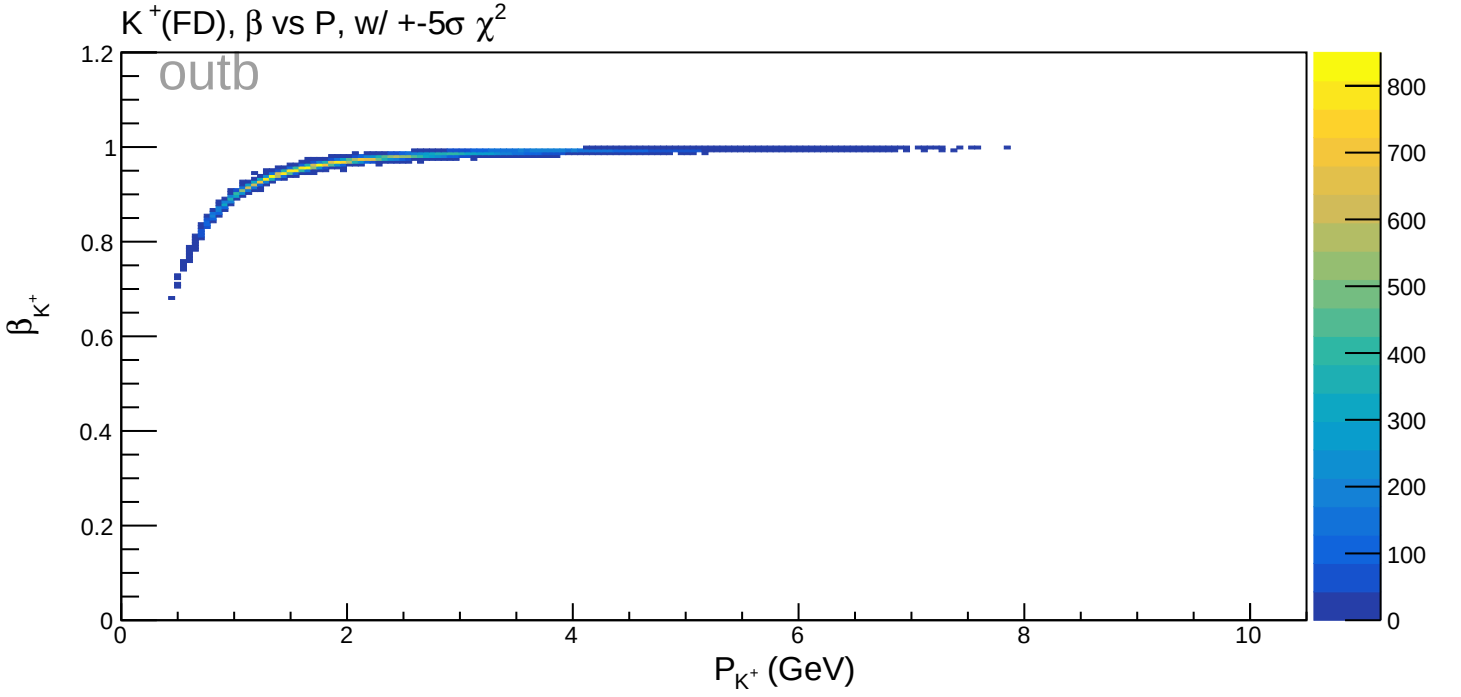

I.M. K+K-, w/ +-5σ χ2
inb
raw
fail
pass
counts
I.M. K+K- (GeV)

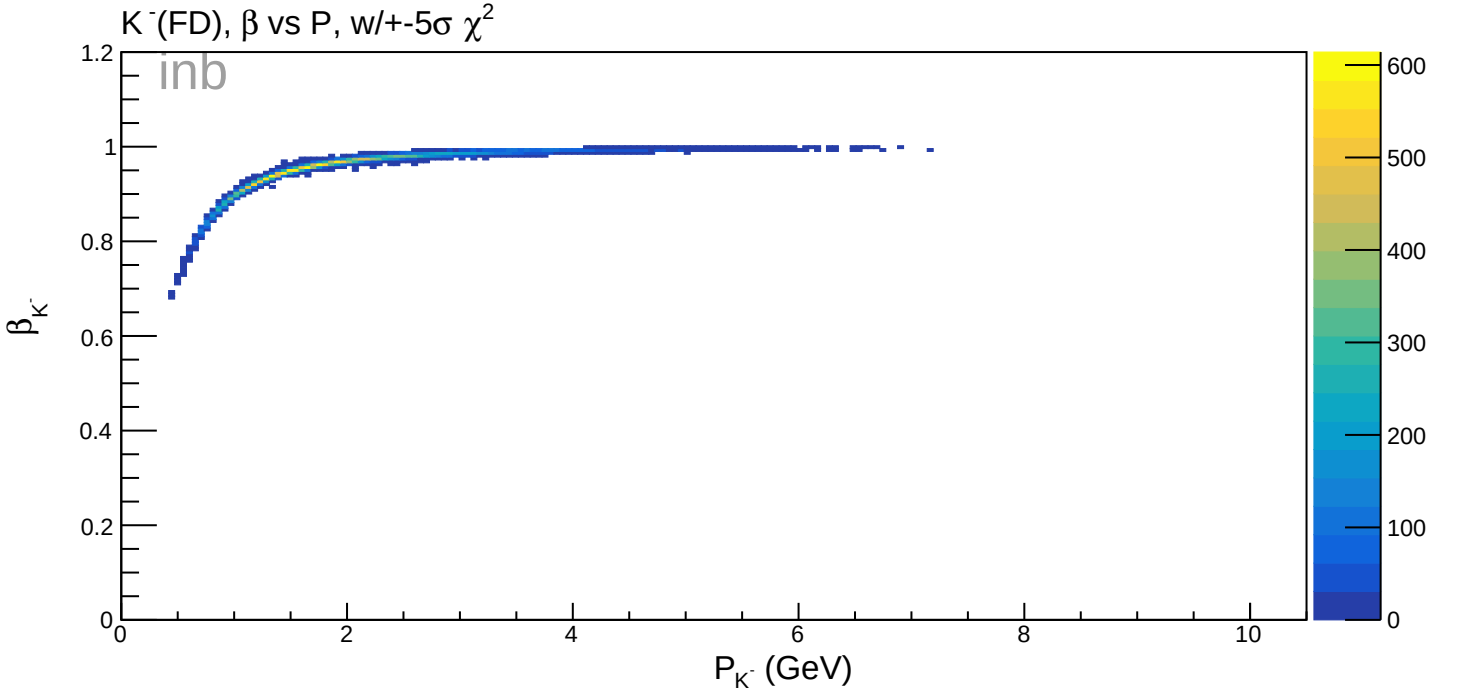

I.M. K+K-, w/ +-5σ χ2
outb
raw
fail
pass
counts
I.M. K+K- (GeV)

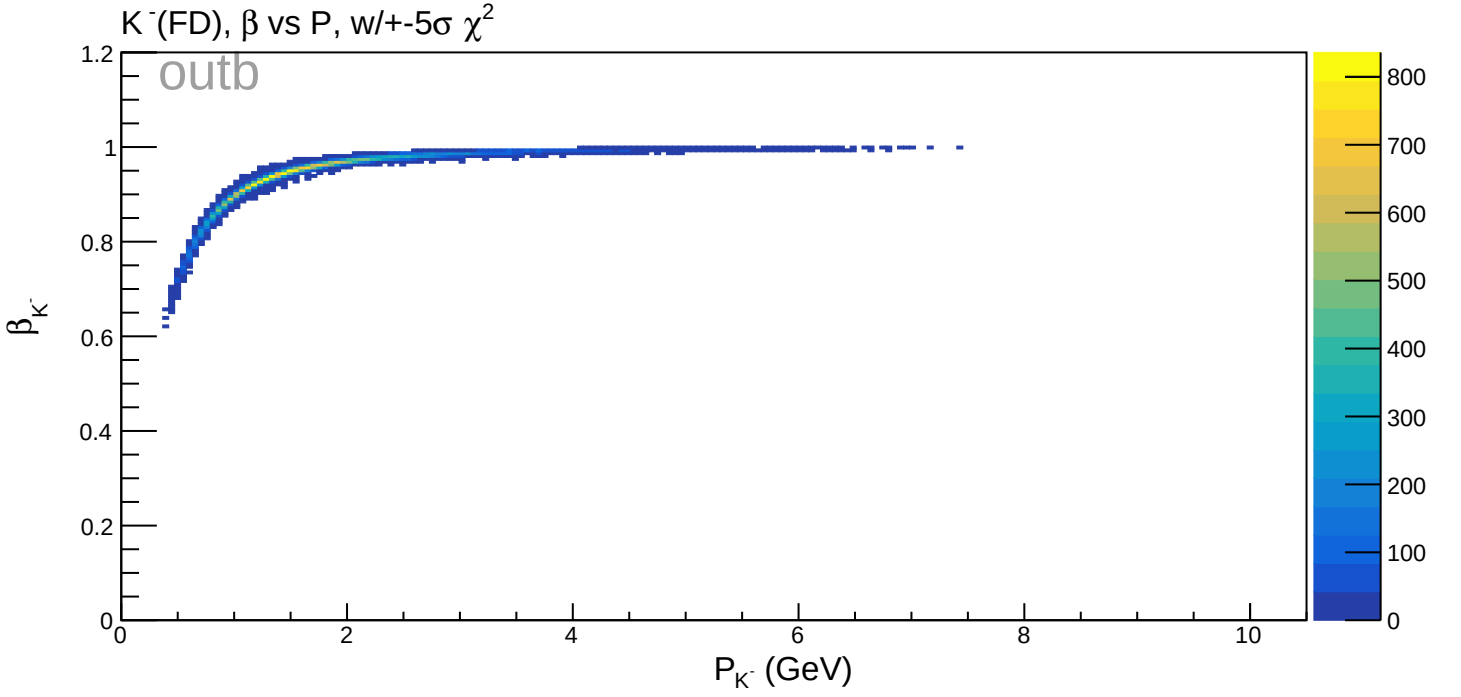

Proton (FD), β vs P, w/ +-5σ χ²
inb
β_pr
P_pro (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
100
200
300
400
500
600

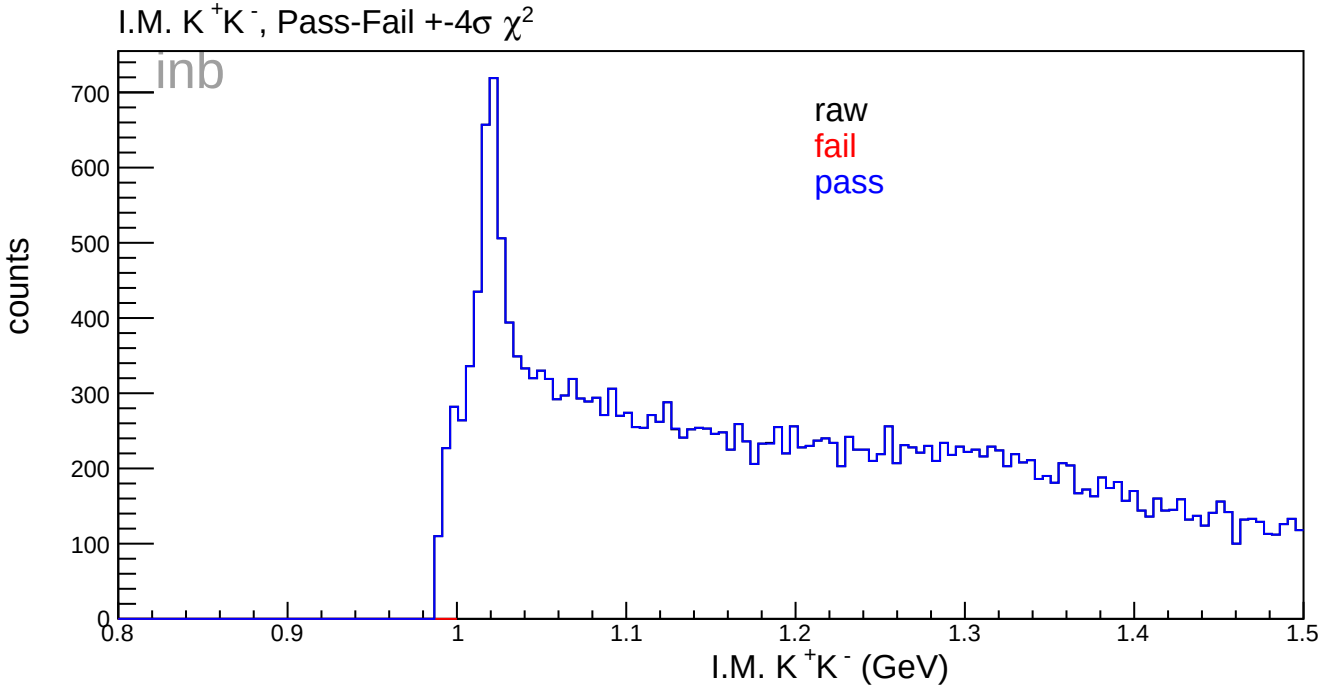

Proton (FD), β vs P, w/ +-5σ χ²
outb
β_pr
P_pro (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
200
400
600
800
1000

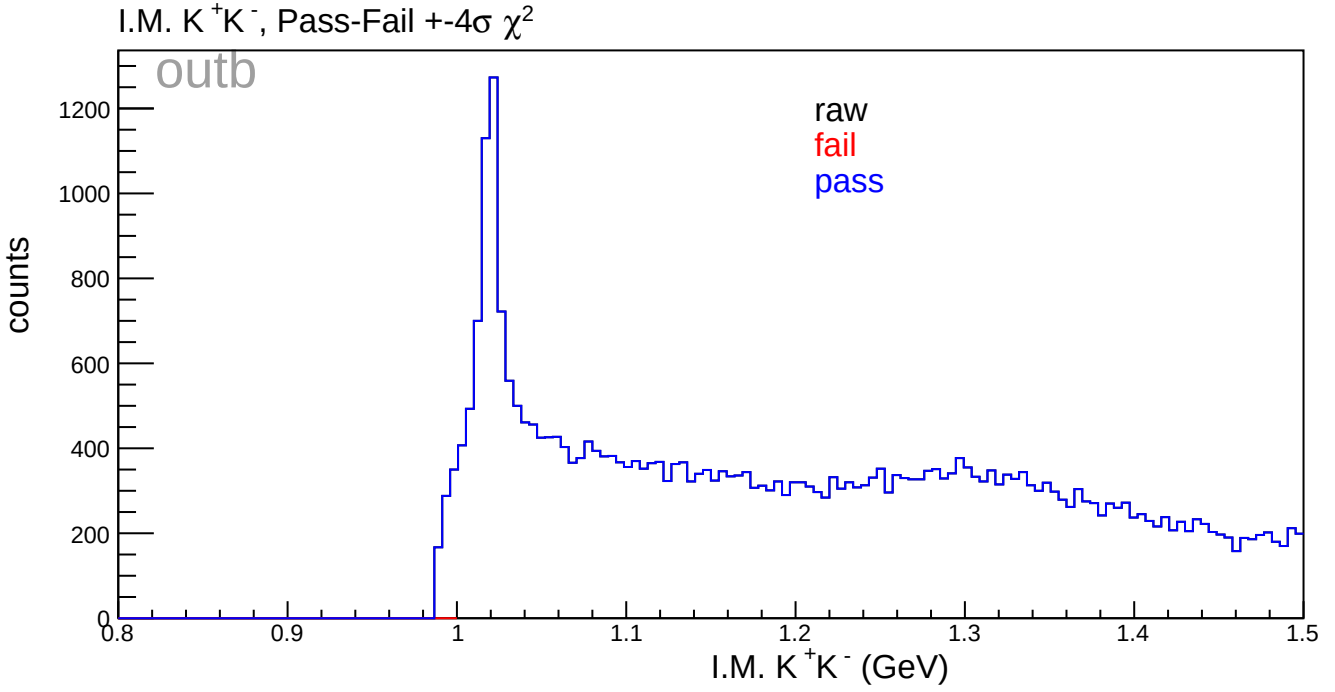

K+(FD), β vs P, w/ +-5σ χ2
inb
βK+
PK+ (GeV)

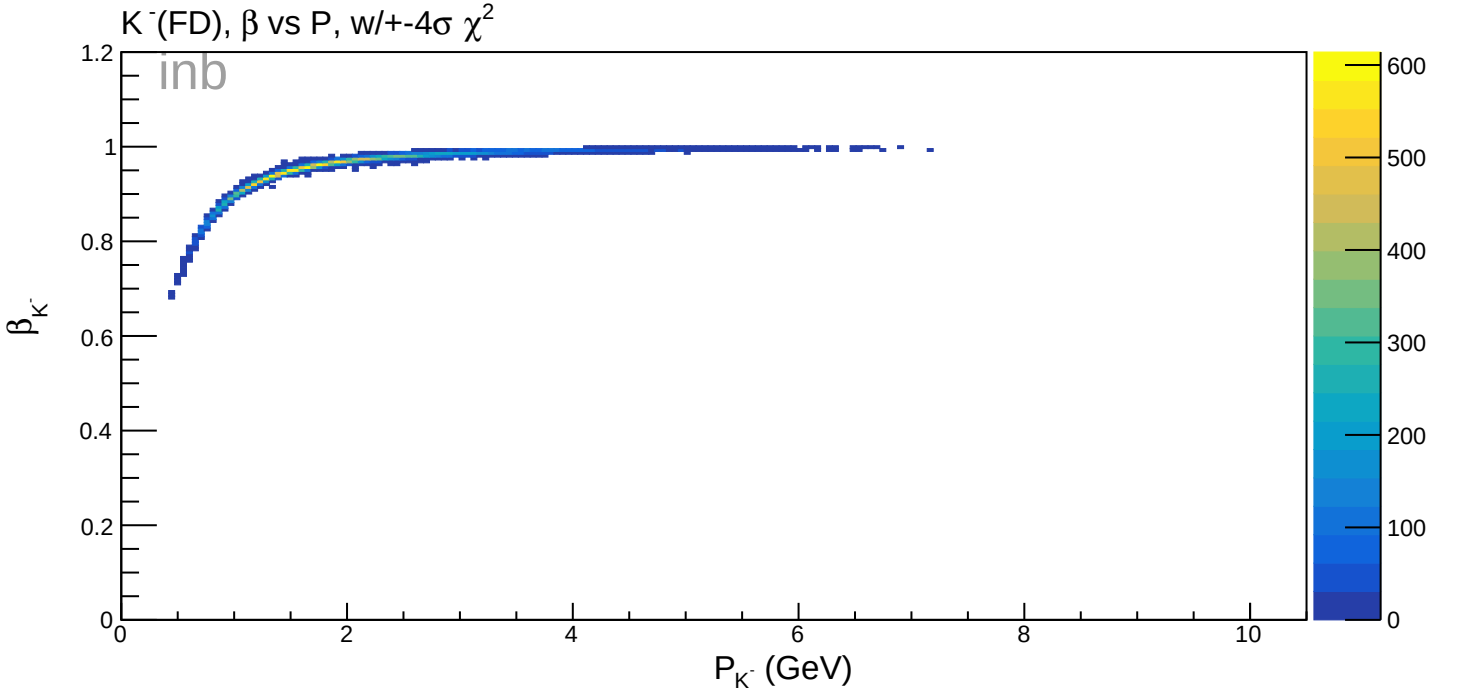

K+(FD), β vs P, w/ +-5σ χ2
outb
βK+
PK+ (GeV)

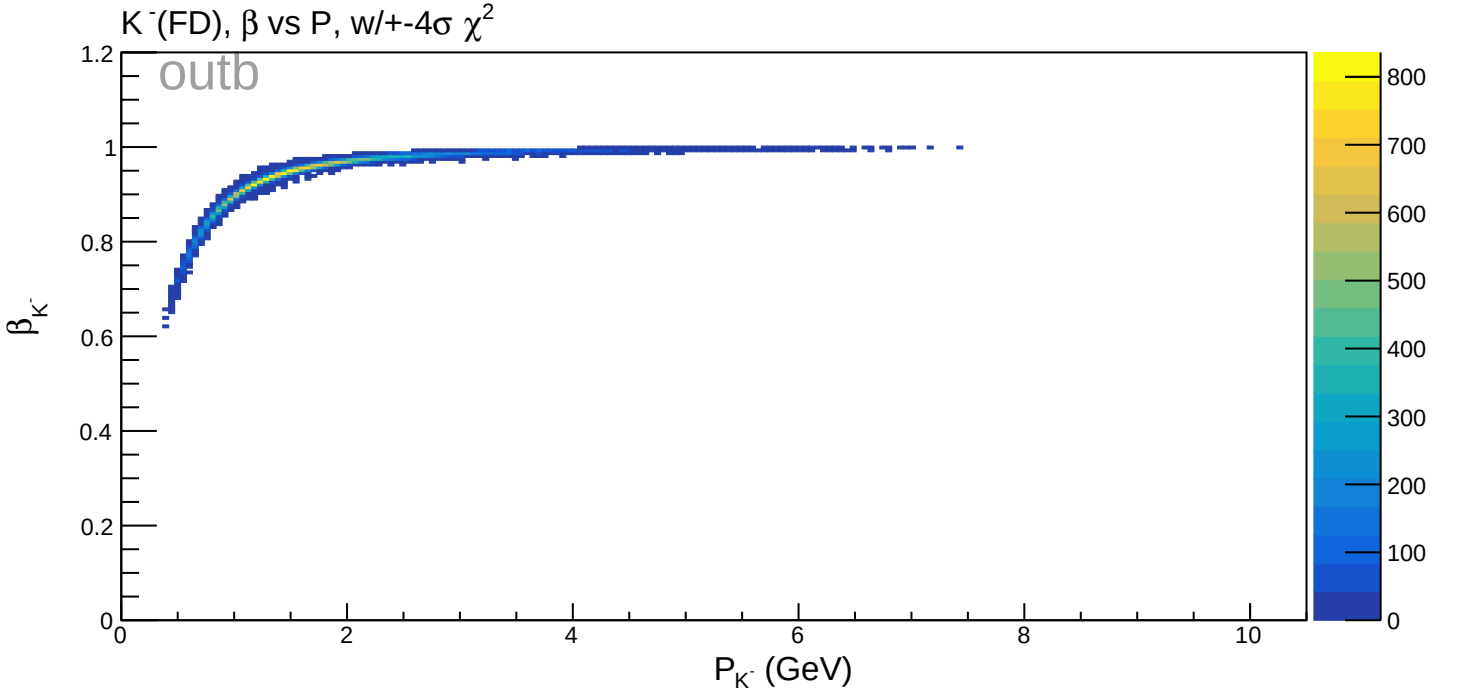

K⁻(FD), β vs P, w/+-5σ χ²
inb
β_K⁻
P_K⁻ (GeV)

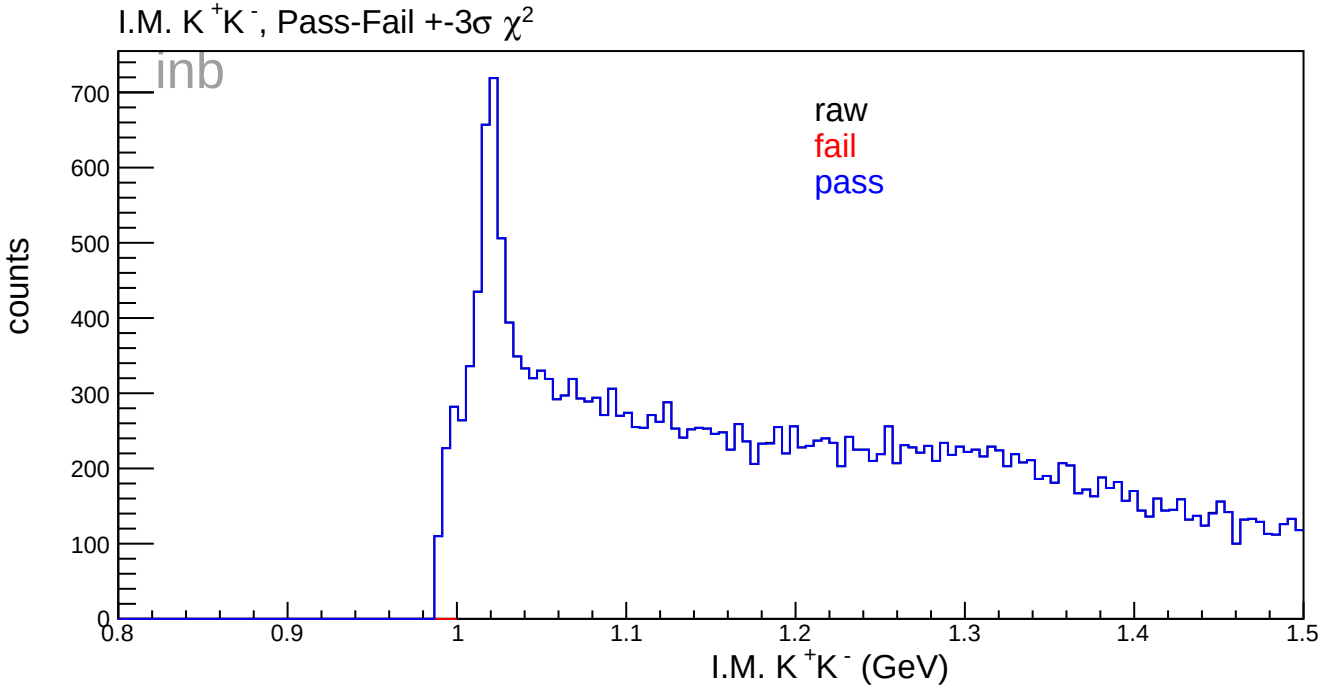

K⁻(FD), β vs P, w/+-5σ χ²
outb
β_K⁻
P_K⁻ (GeV)

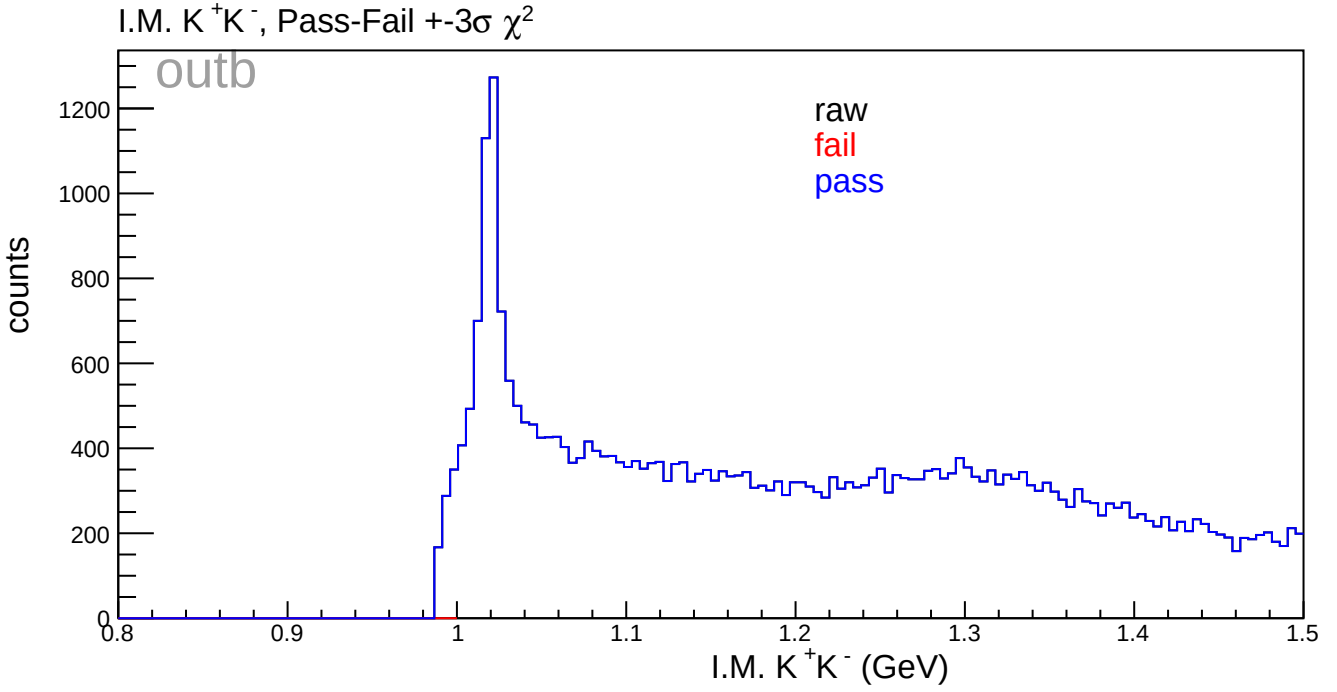

I.M. K+K-, Pass-Fail +-4σ χ2
inb
raw
fail
pass
counts
I.M. K+K- (GeV)

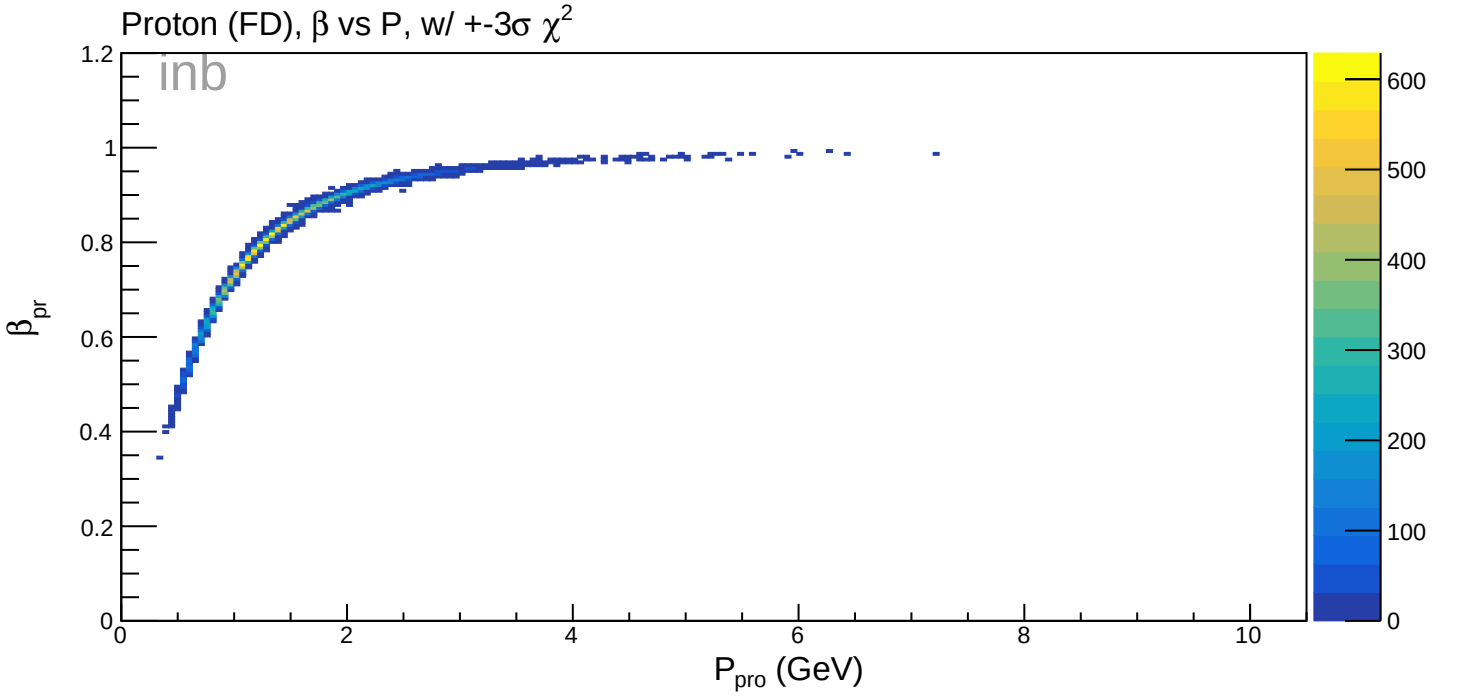

I.M. K+K-, Pass-Fail +-4σ χ2
outb
raw
fail
pass
counts
I.M. K+K- (GeV)

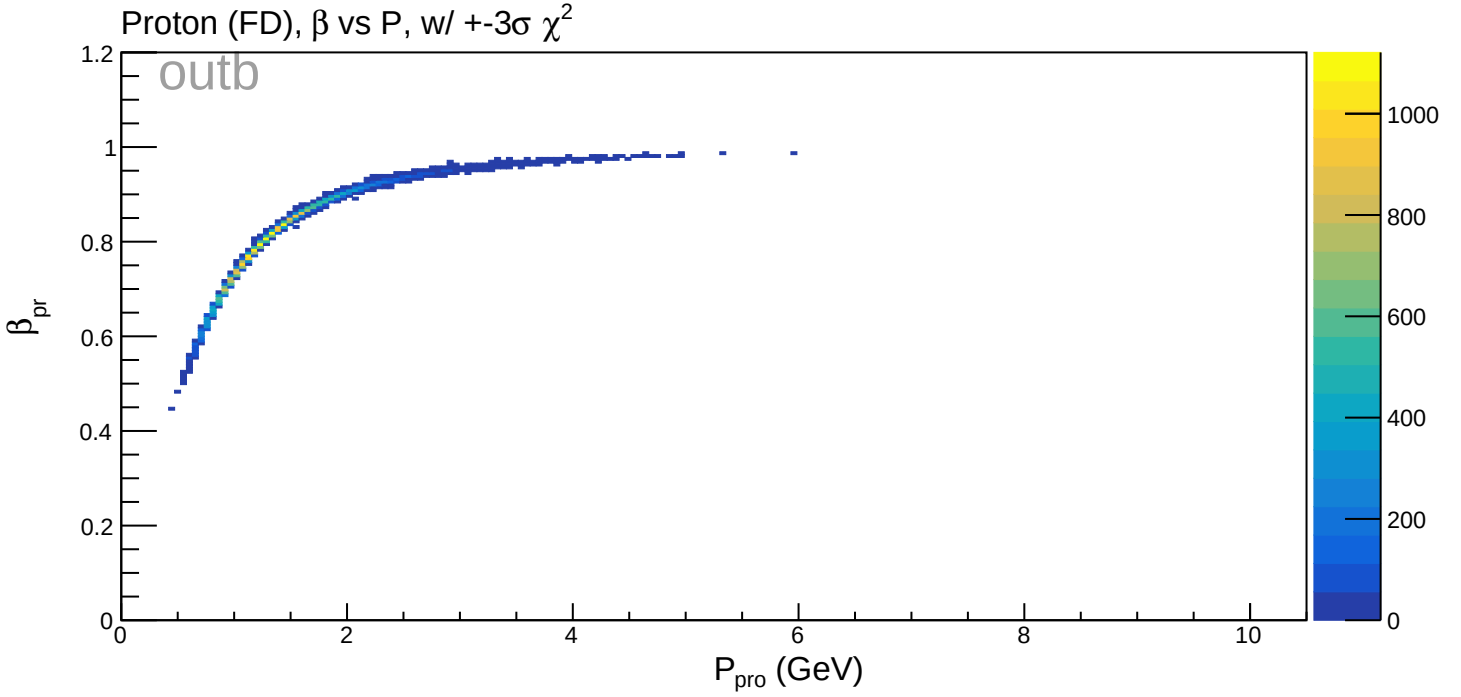

K⁻(FD), β vs P, w/+-4σ χ²
inb
β_K⁻
P_K⁻ (GeV)

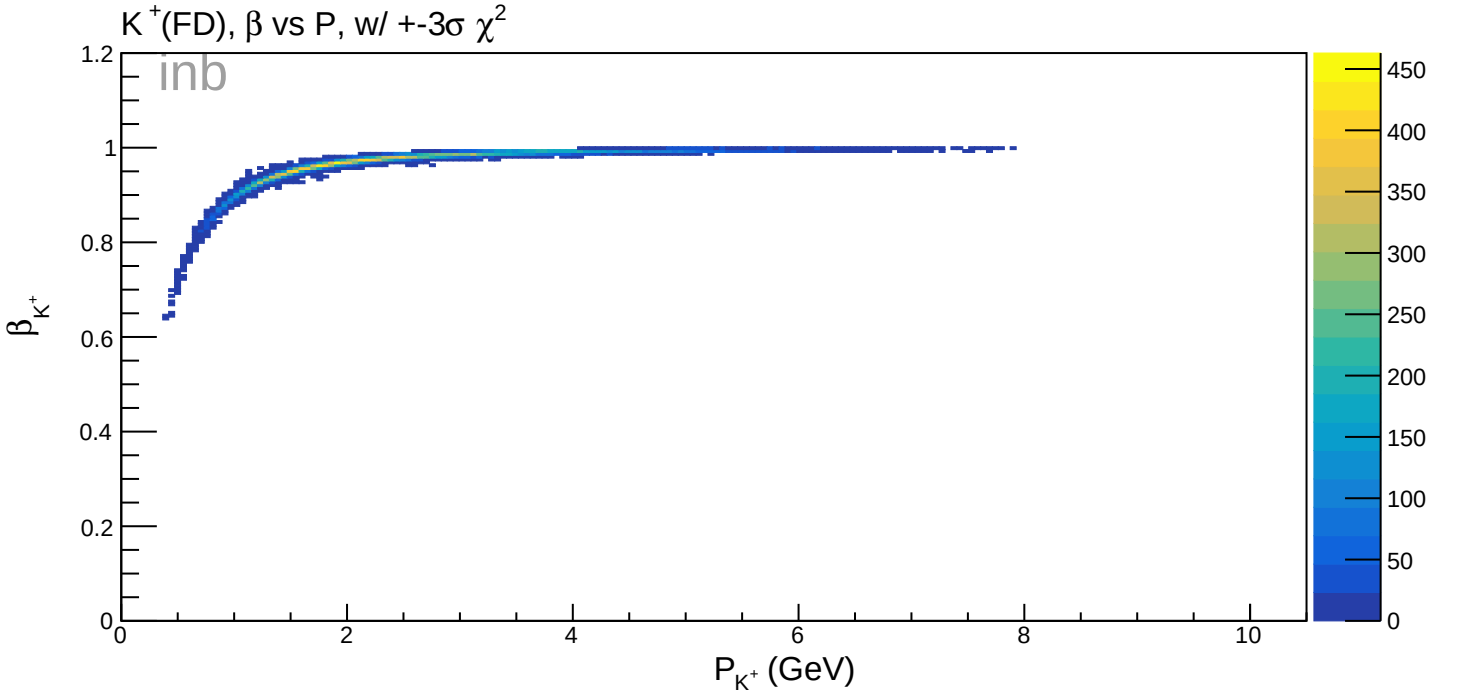

K⁻(FD), β vs P, w/+-4σ χ²
outb
β_K⁻
P_K⁻ (GeV)

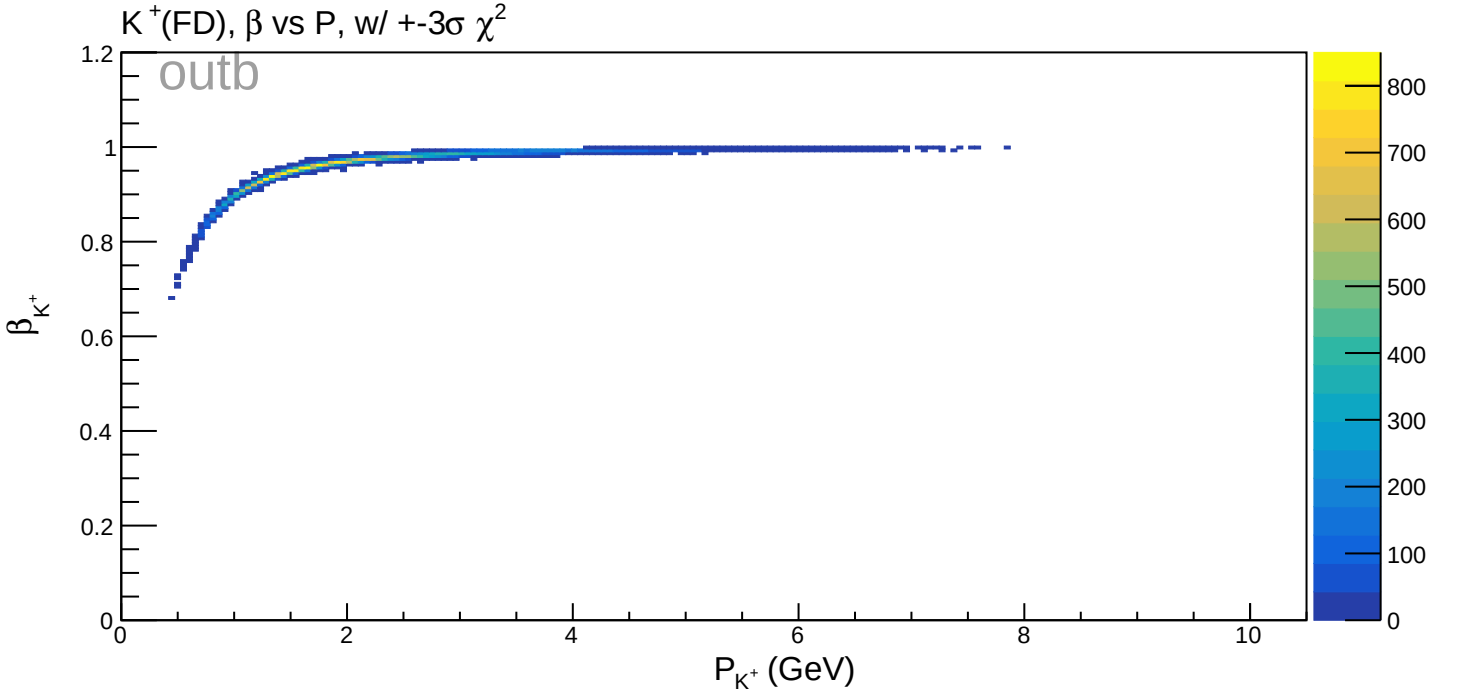

I.M. K+K-, Pass-Fail +-3σ χ2
inb
raw
fail
pass
counts
I.M. K+K- (GeV)

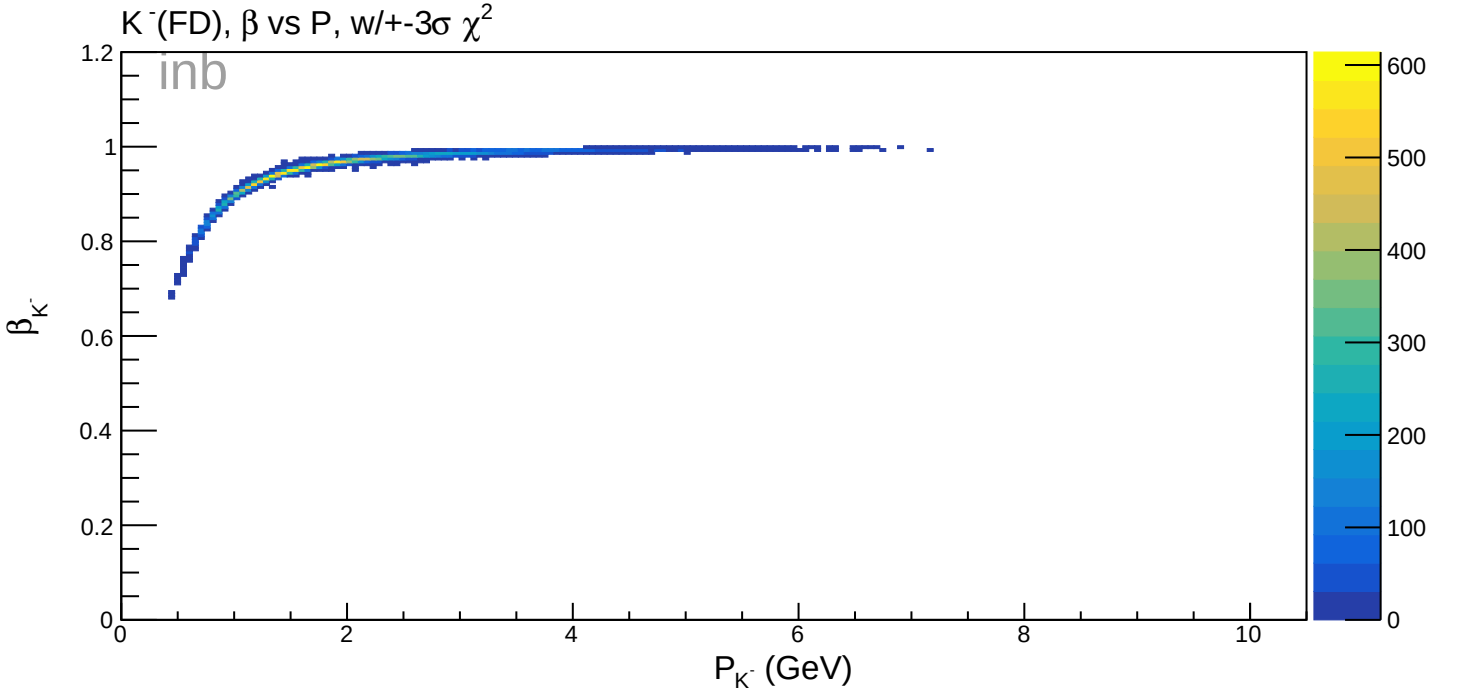

I.M. K+K-, Pass-Fail +-3σ χ2
outb
raw
fail
pass
counts
I.M. K+K- (GeV)

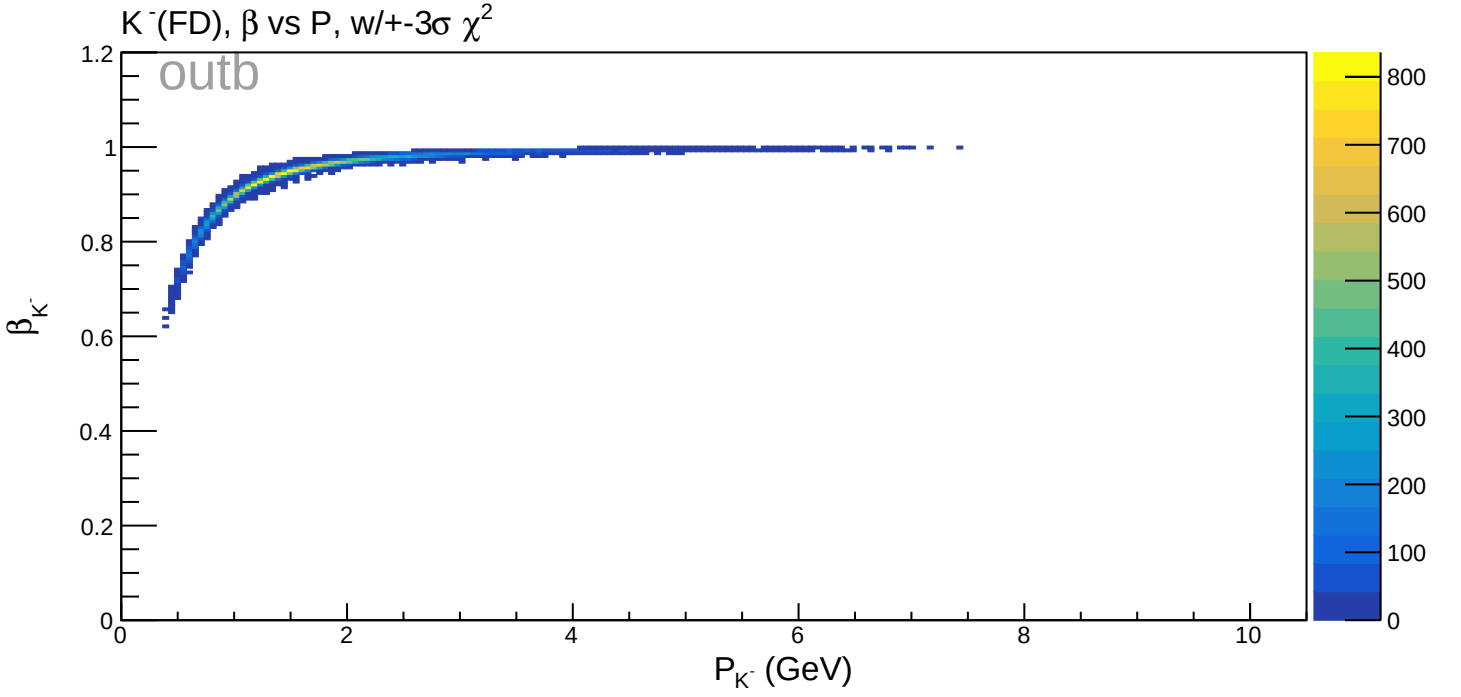

Proton (FD), β vs P, w/ +-3σ χ²
inb
β_pr
P_pro (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
100
200
300
400
500
600

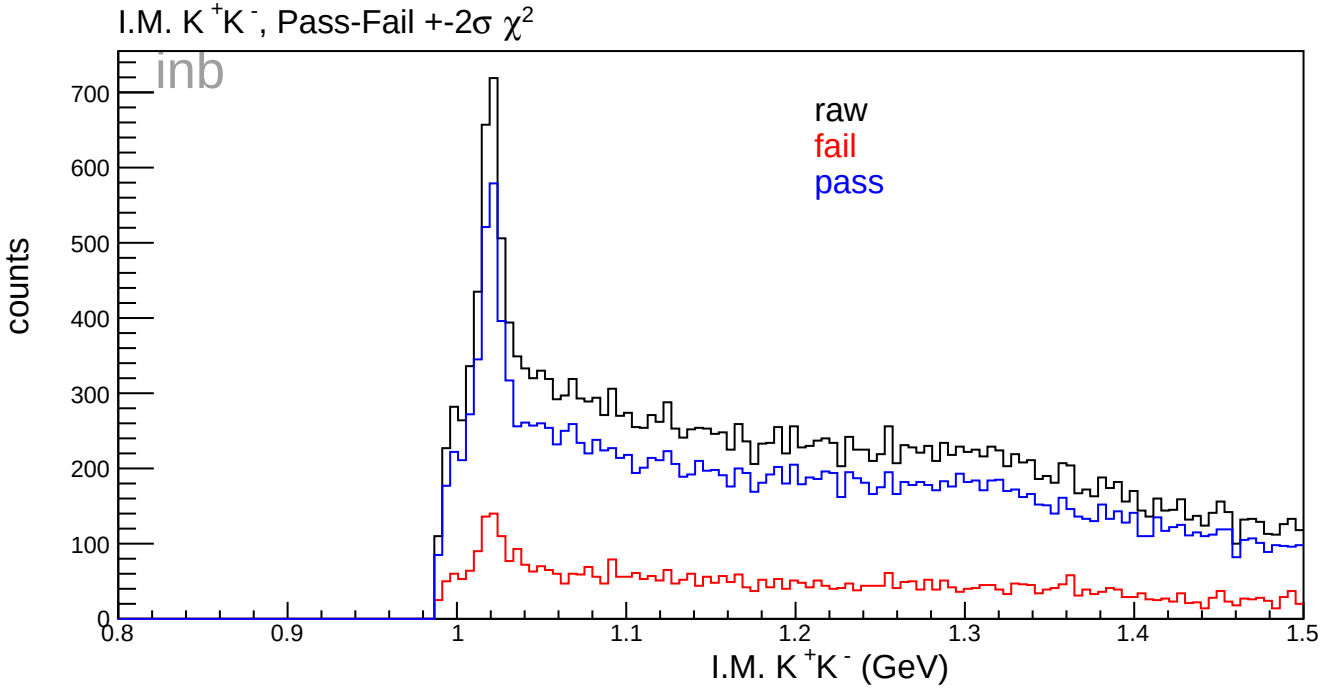

Proton (FD), β vs P, w/ +-3σ χ²
outb
β_pr
P_pro (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
200
400
600
800
1000

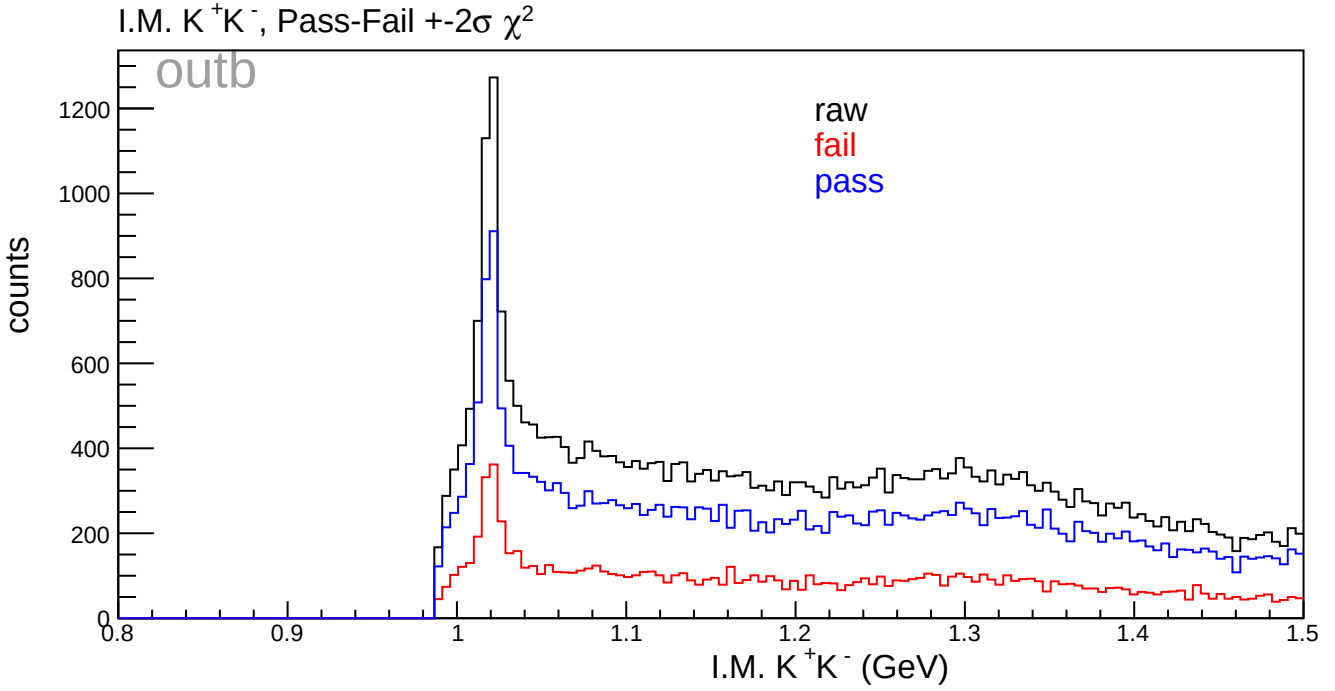

K+(FD), β vs P, w/ +-3σ χ2
inb
βK+
PK+ (GeV)

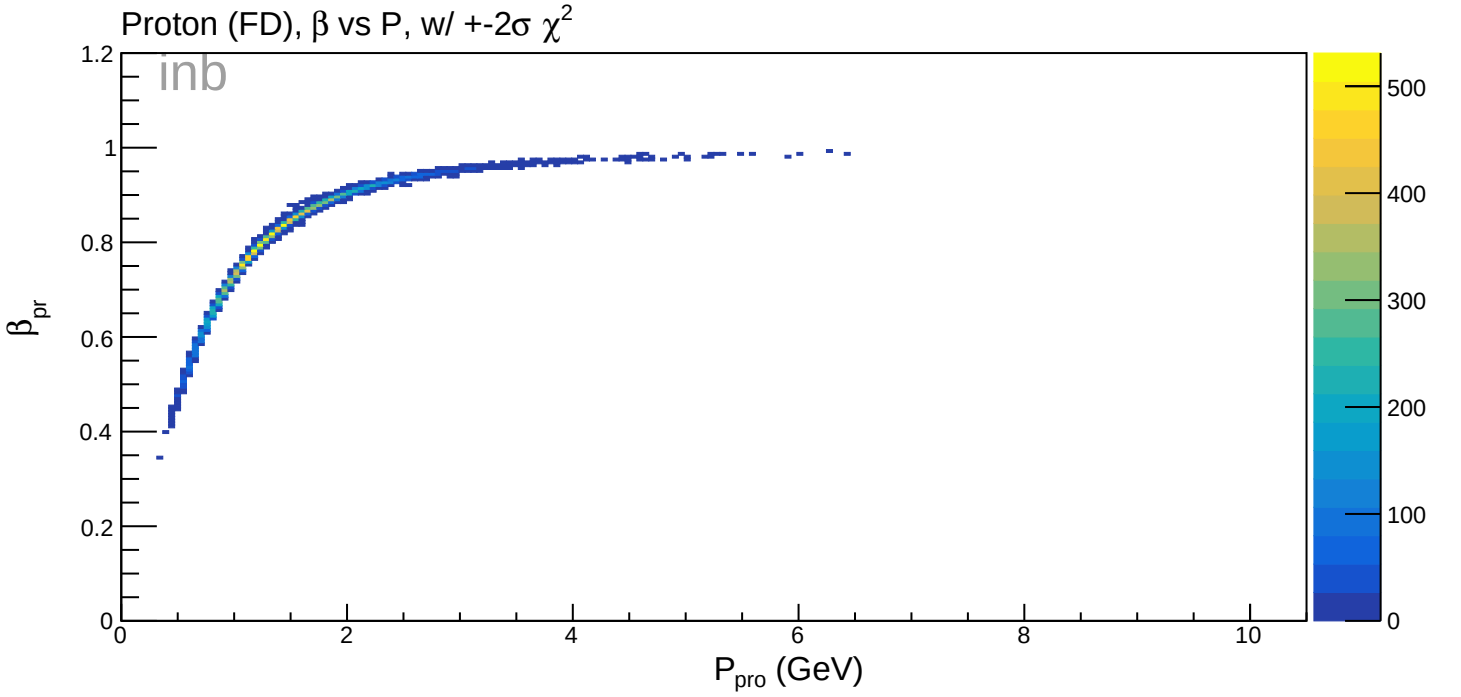

K+(FD), β vs P, w/ +-3σ χ2
outb
βK+
PK+ (GeV)

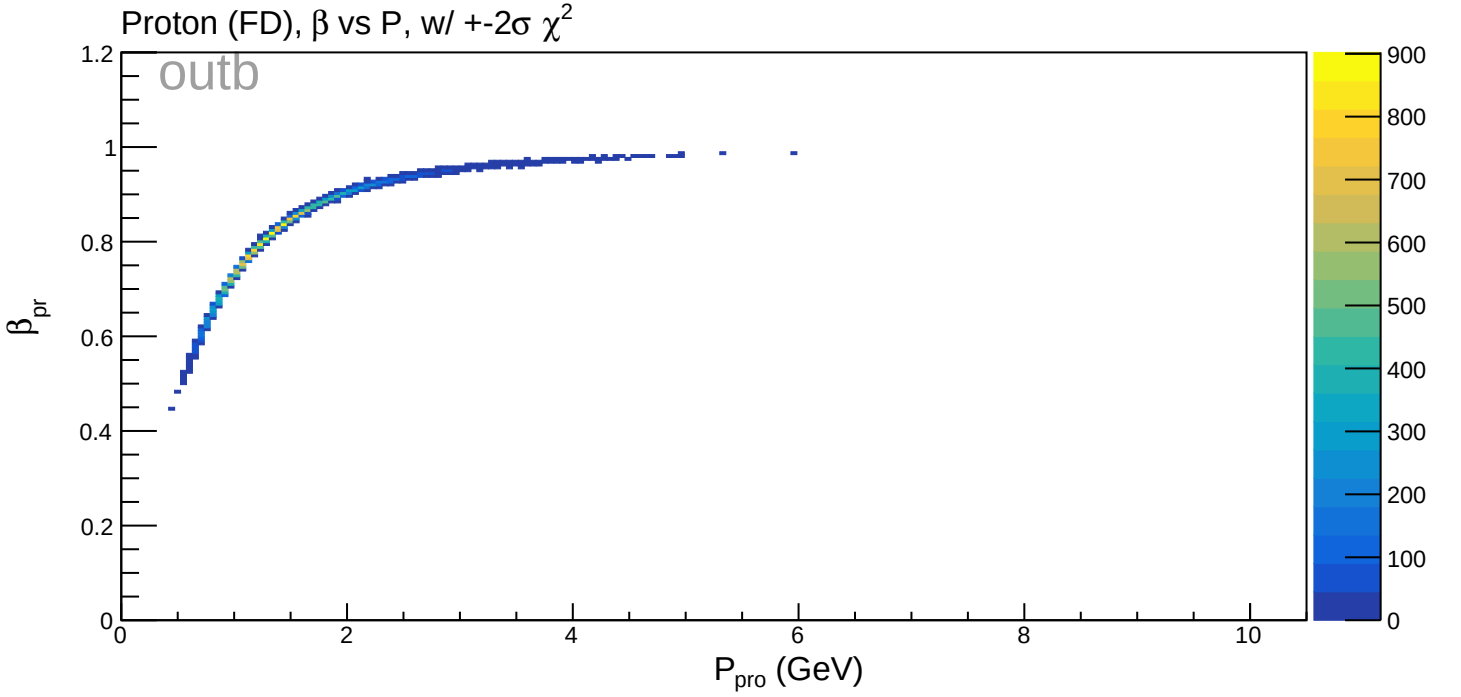

K⁻(FD), β vs P, w/+-3σ χ²
inb
β_K⁻
P_K⁻ (GeV)

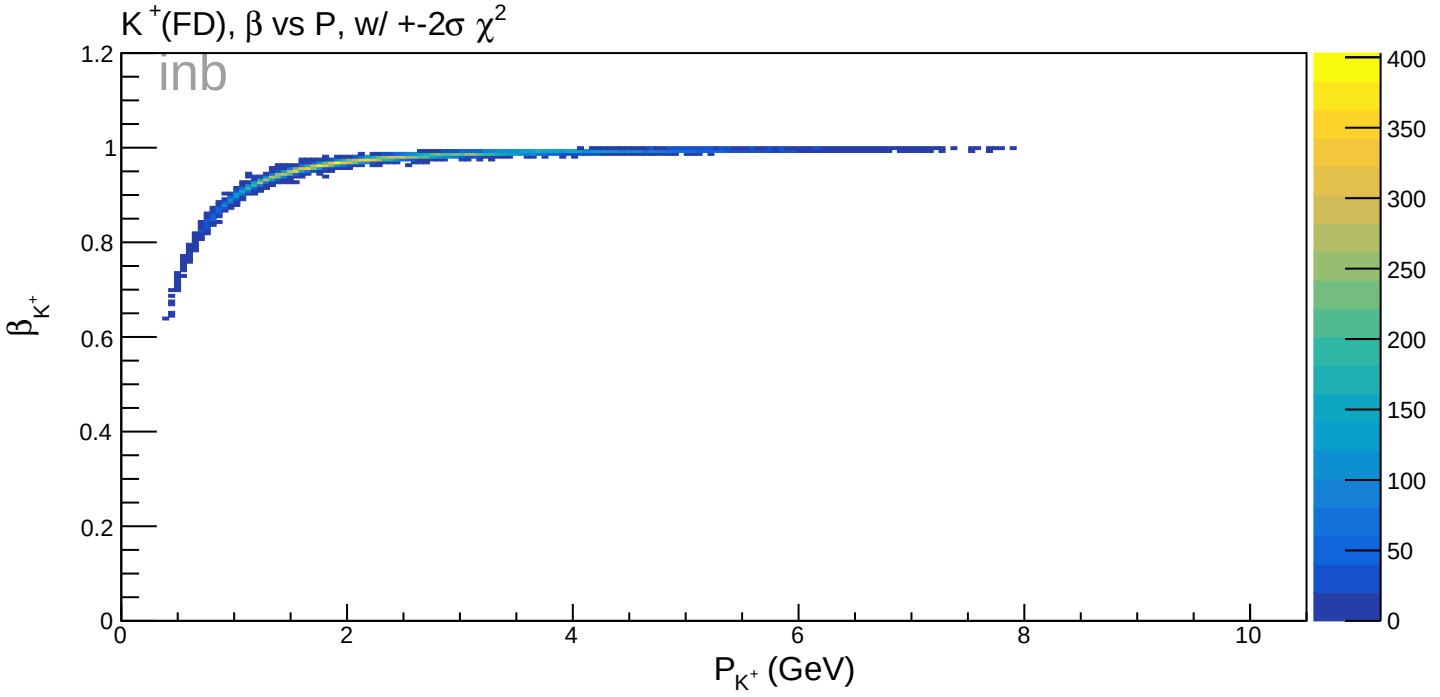

K⁻(FD), β vs P, w/+-3σ χ²
outb
β_K⁻
P_K⁻ (GeV)

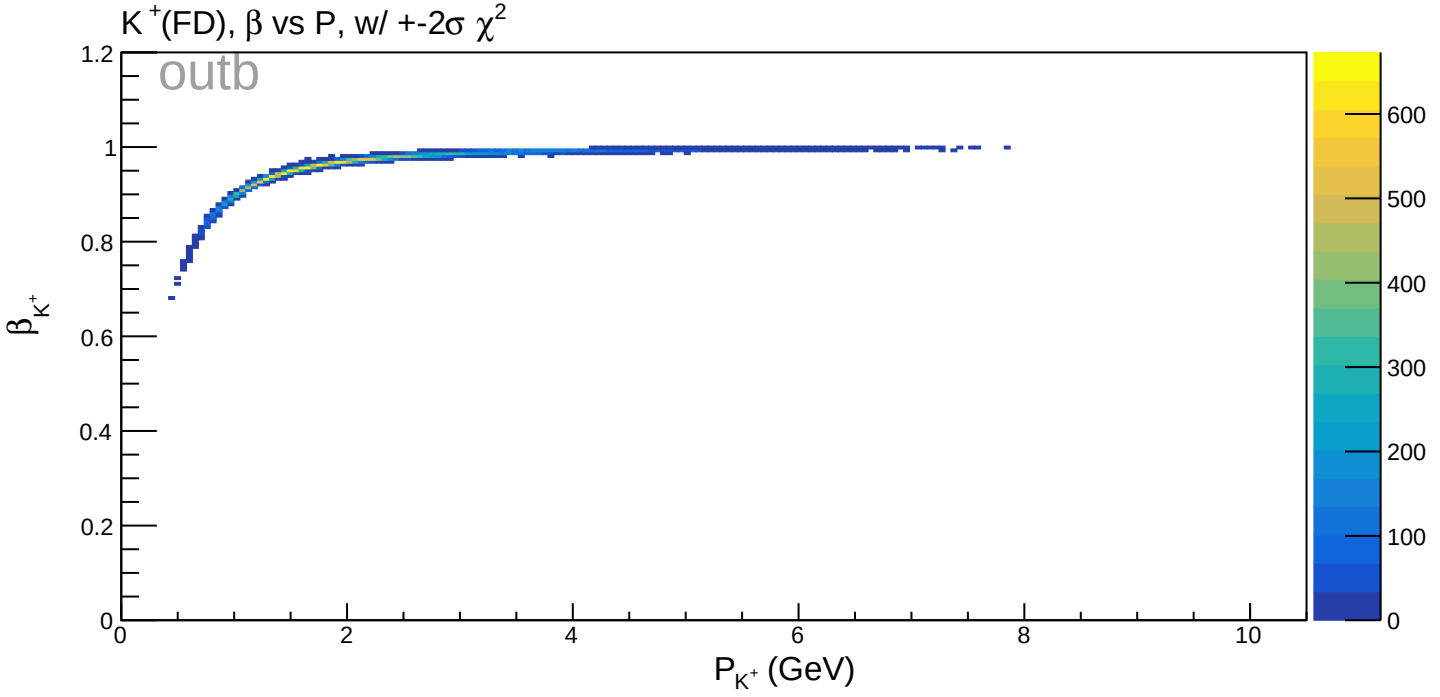

I.M. K+K-, Pass-Fail +-2σ χ2
inb
raw
fail
pass
counts
I.M. K+K- (GeV)

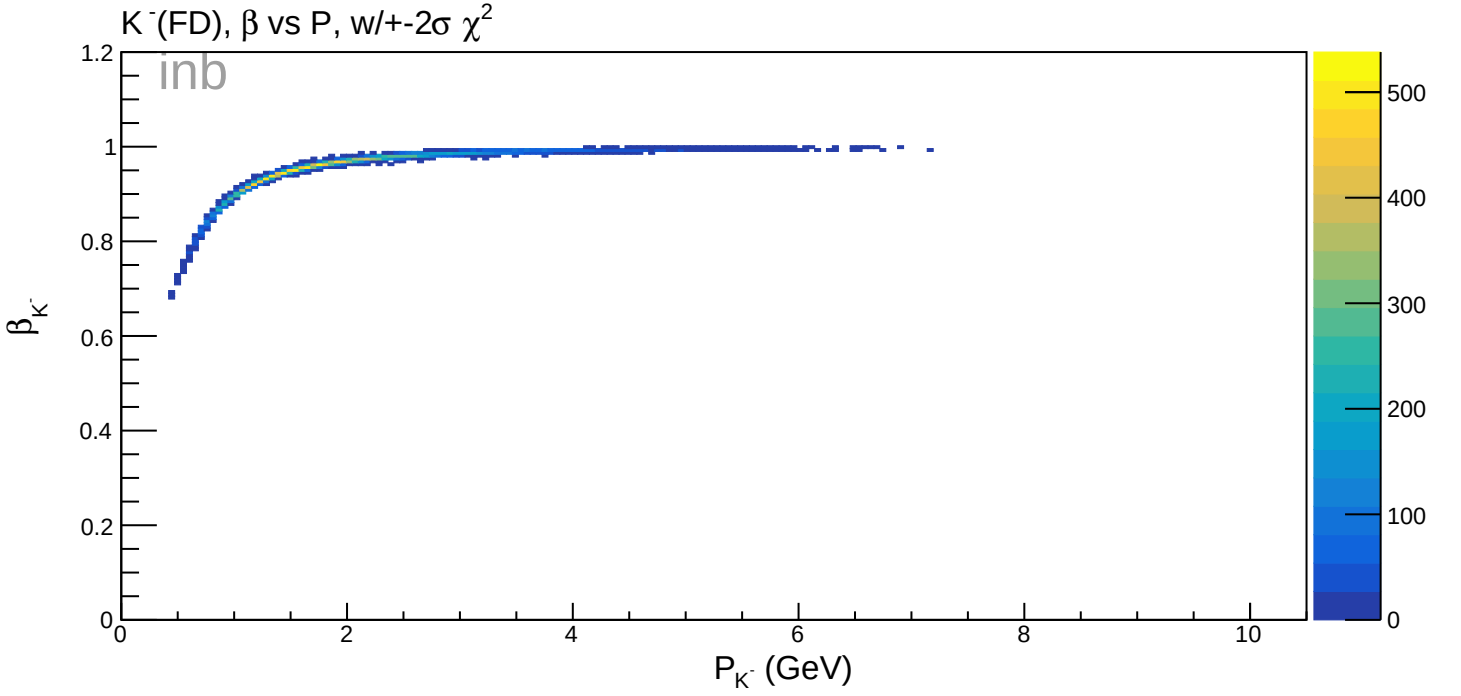

I.M. K+K-, Pass-Fail +-2σ χ2
outb
raw
fail
pass
counts
I.M. K+K- (GeV)

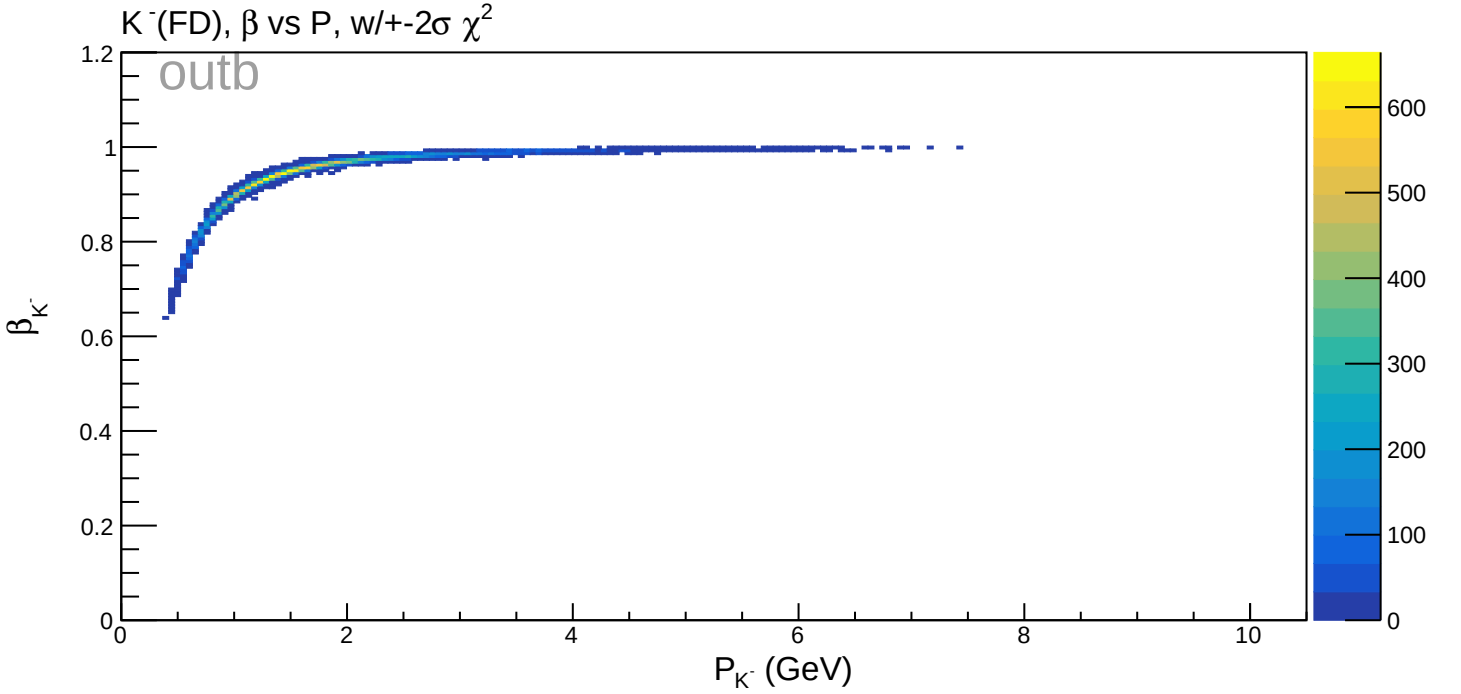

Proton (FD), β vs P, w/ +-2σ χ²
inb
β_pr
P_pro (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
100
200
300
400
500

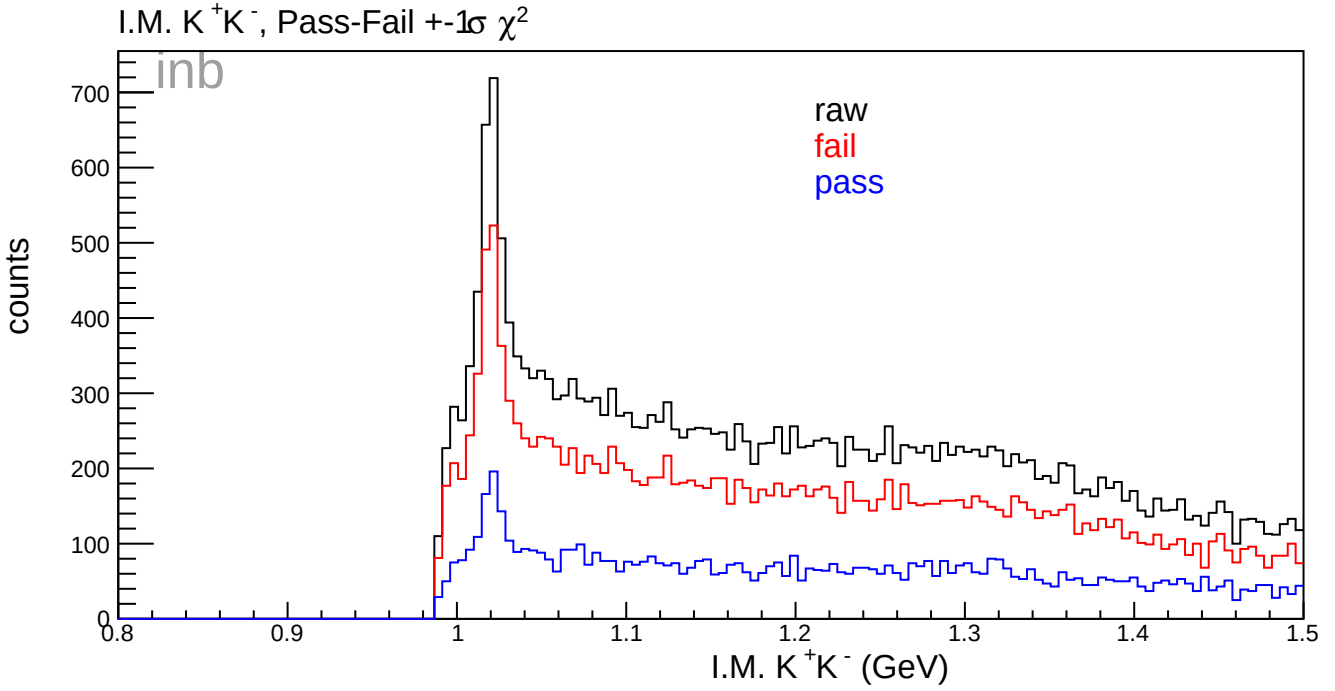

Proton (FD), β vs P, w/ +-2σ χ²
outb
β_pr
P_pro (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
100
200
300
400
500
600
700
800
900

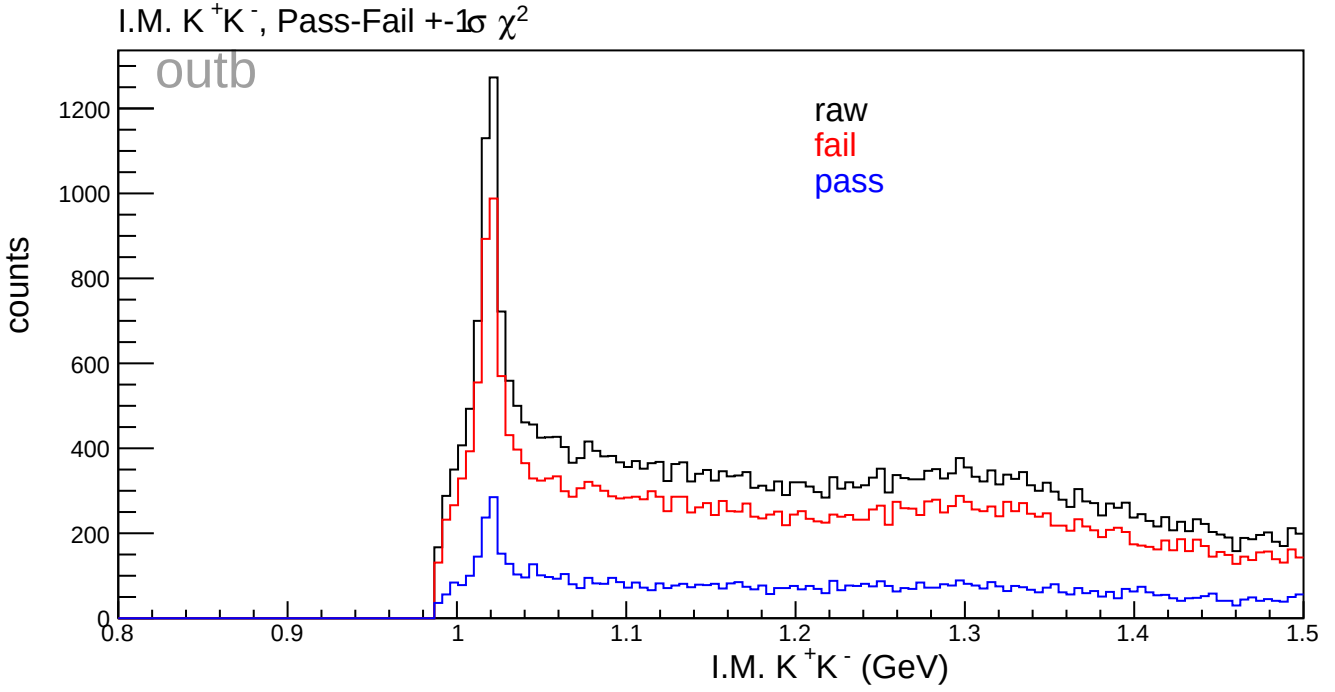

K +(FD), β vs P, w/ +-2σ χ2
inb
1.2
1
0.8
0.6
0.4
0.2
0
βK+
0
2
4
6
8
10
PK+ (GeV)
400
350
300
250
200
150
100
50
0

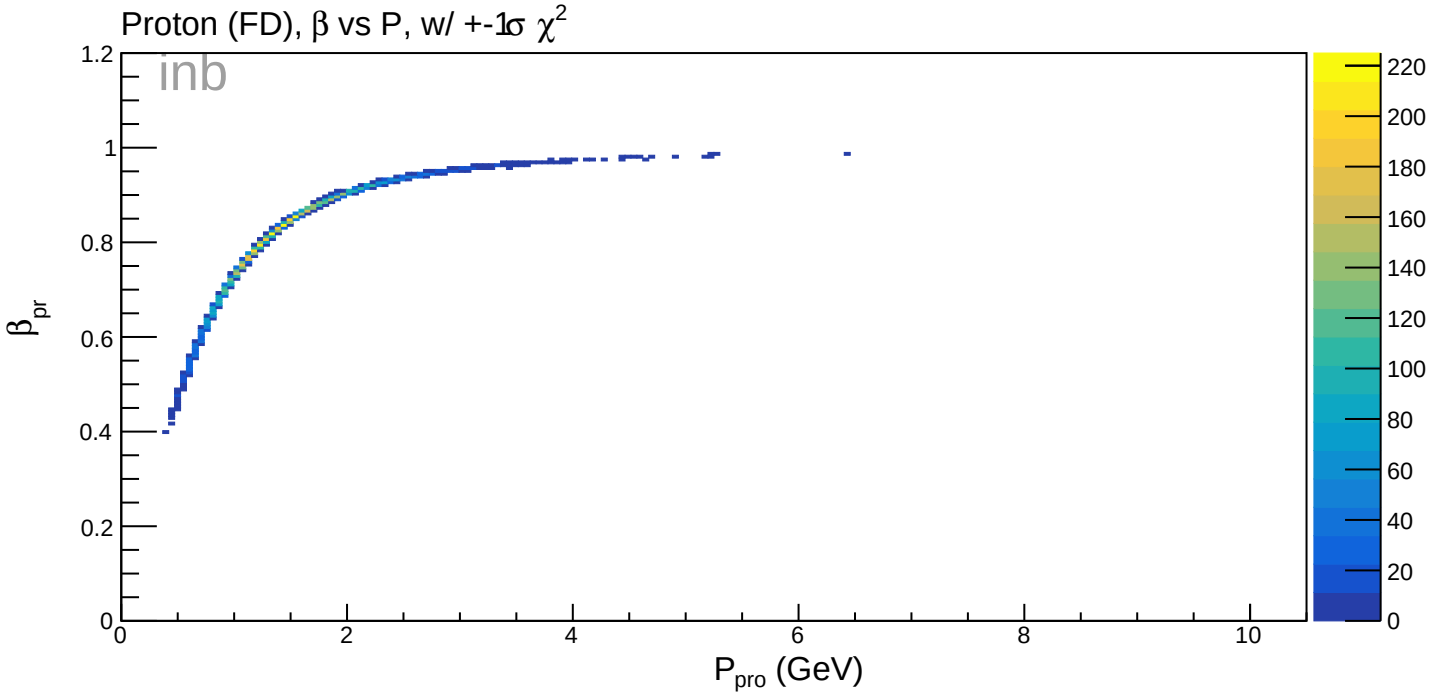

K +(FD), β vs P, w/ +-2σ χ2
outb
1.2
1
0.8
0.6
0.4
0.2
0
βK+
0
2
4
6
8
10
PK+ (GeV)
600
500
400
300
200
100
0

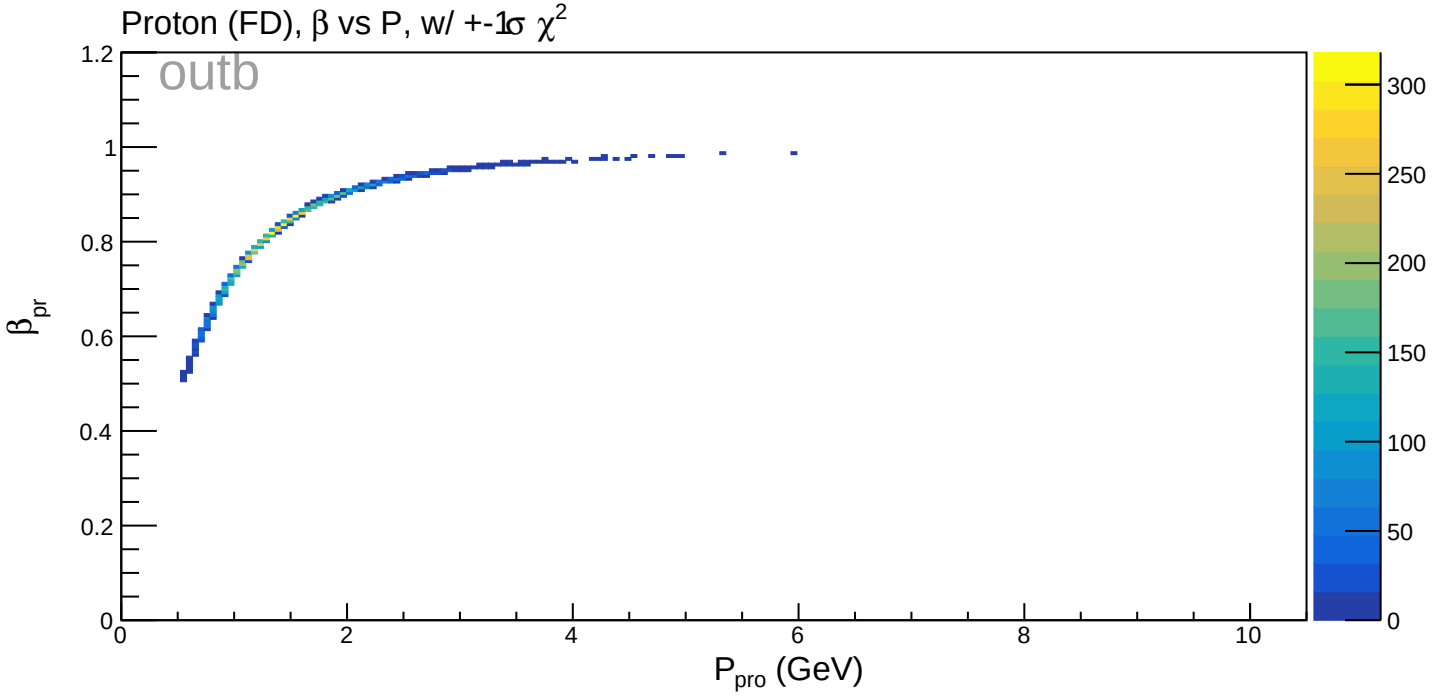

K⁻(FD), β vs P, w/+-2σ χ²
inb
β_K⁻
P_K⁻ (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
2
4
6
8
10
100
200
300
400
500

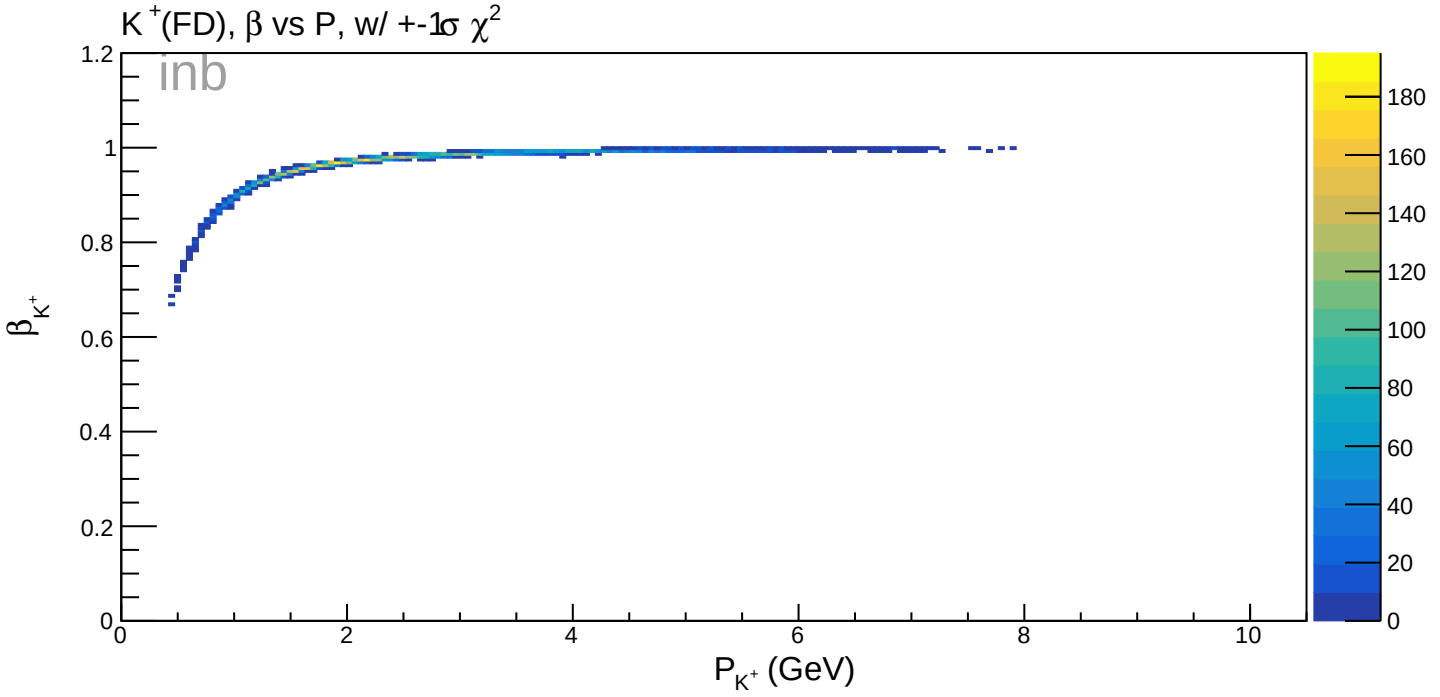

K⁻(FD), β vs P, w/+-2σ χ²
outb
β_K⁻
P_K⁻ (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
2
4
6
8
10
100
200
300
400
500
600

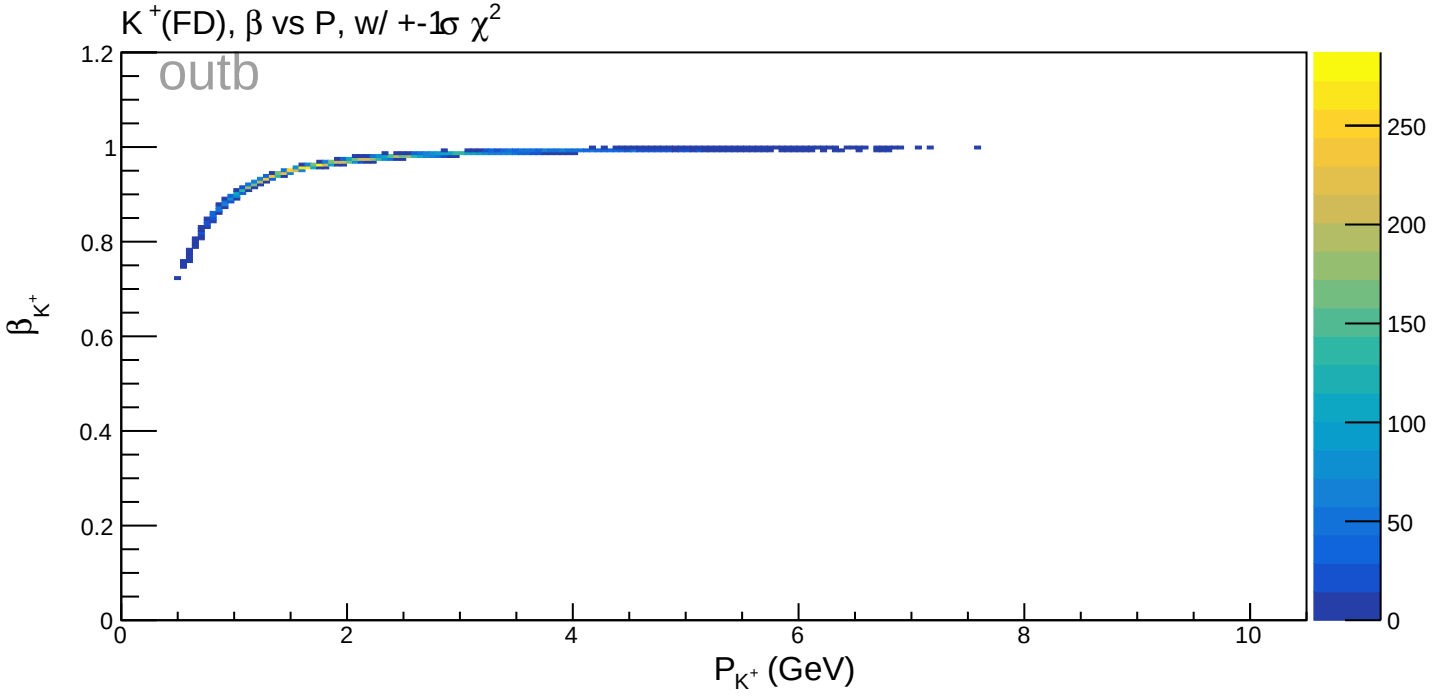

I.M. K+K-, Pass-Fail +-1σ χ2
inb
raw
fail
pass
counts
I.M. K+K- (GeV)

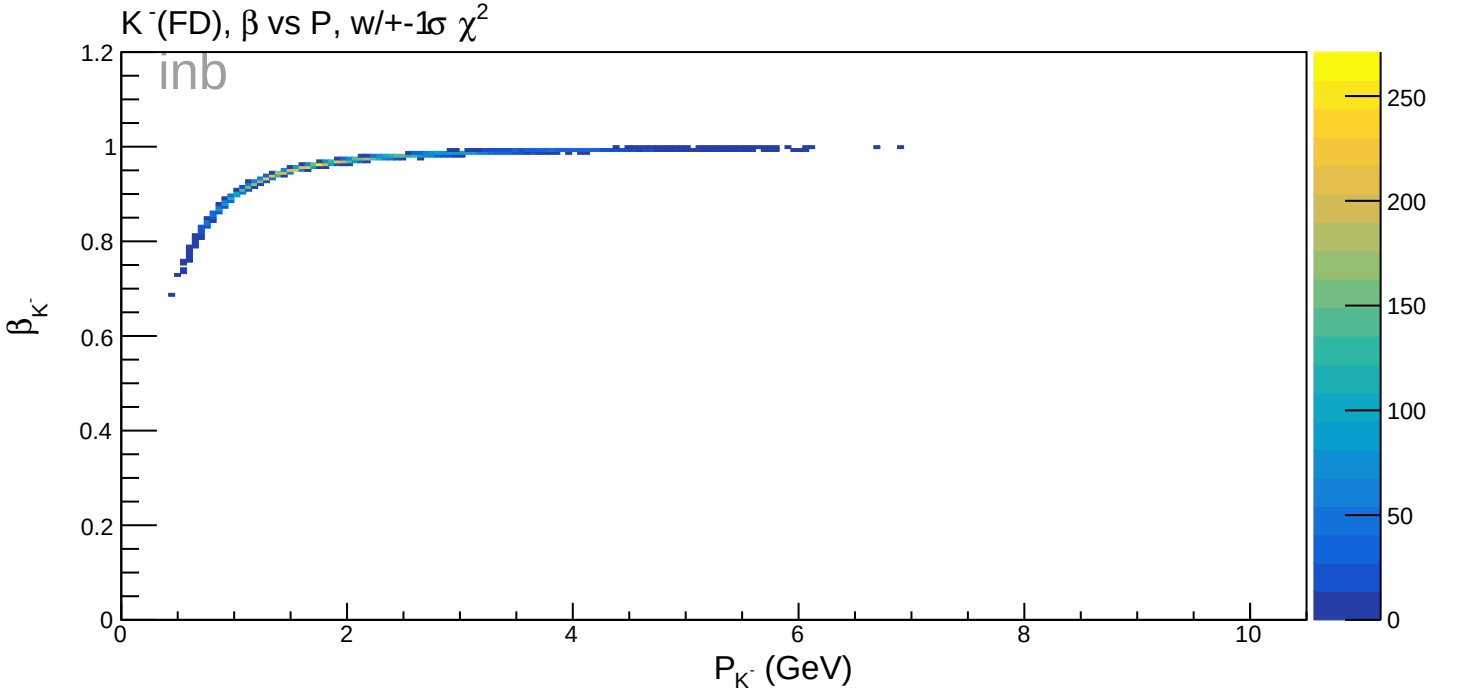

I.M. K+K-, Pass-Fail +-1σ χ2
outb
raw
fail
pass
counts
I.M. K+K- (GeV)

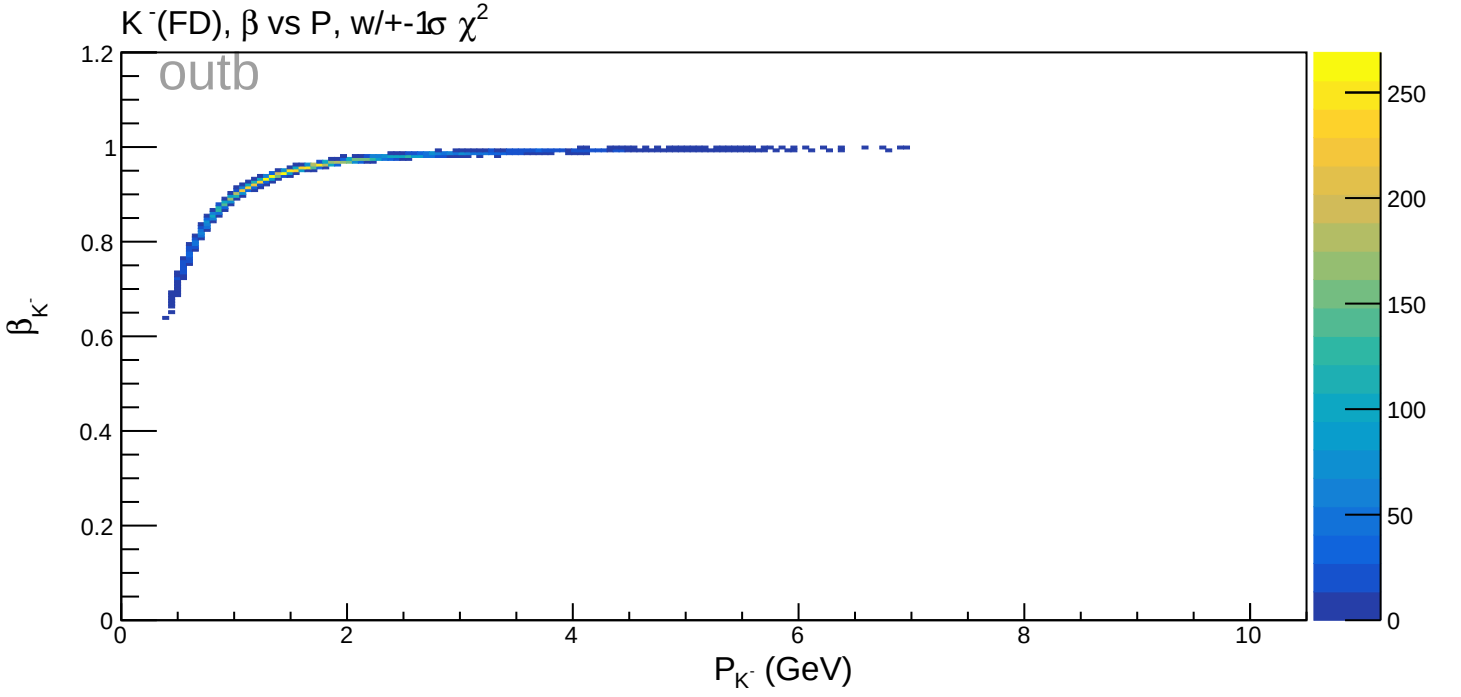

Proton (FD), β vs P, w/ +-1σ χ²
inb
β_pr
P_pro (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
20
40
60
80
100
120
140
160
180
200
220

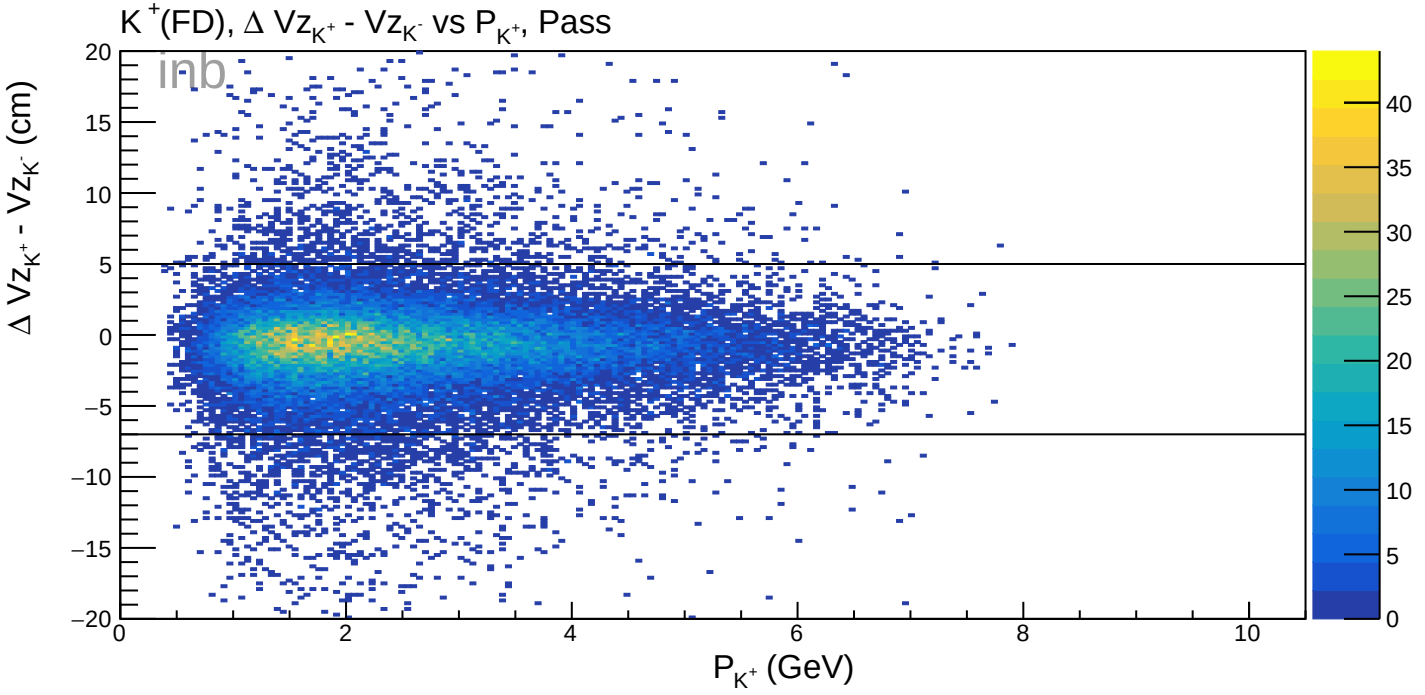

Proton (FD), β vs P, w/ +-1σ χ²
outb
β_pr
P_pro (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
50
100
150
200
250
300

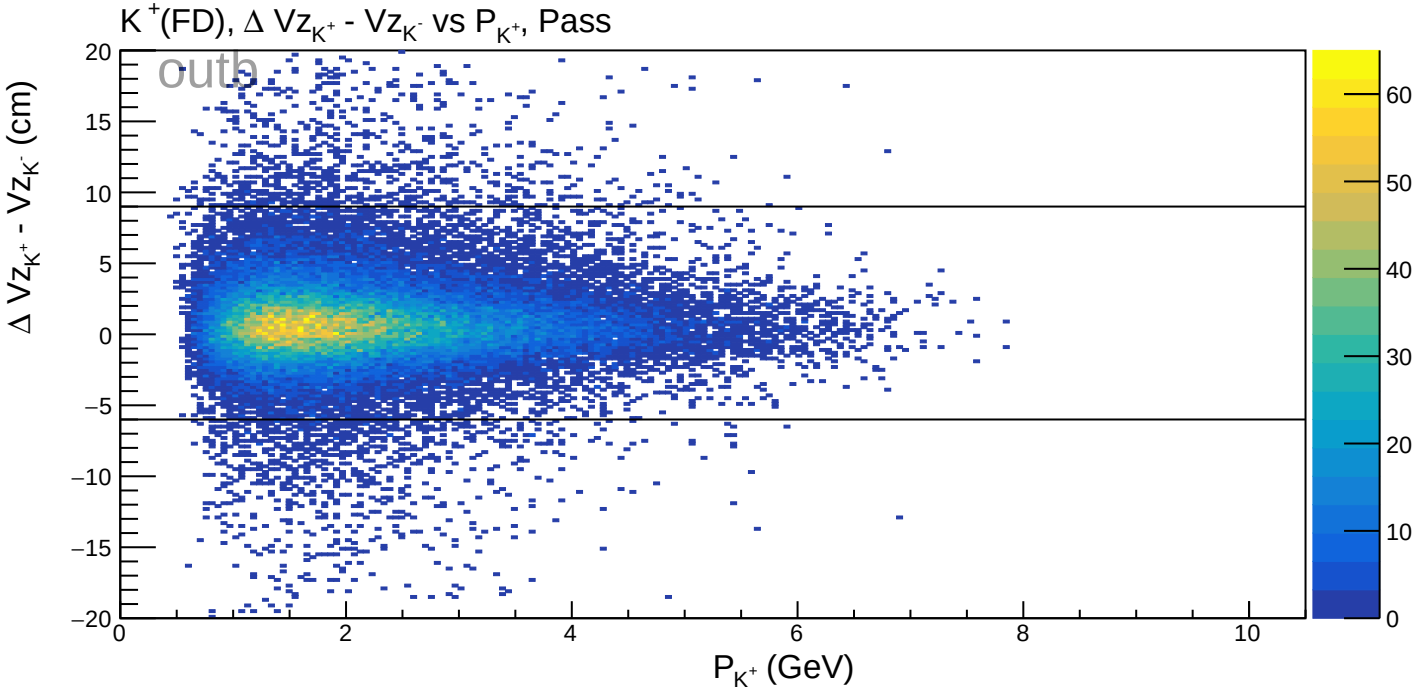

K+(FD), β vs P, w/ +-1σ χ2
inb
βK+
PK+ (GeV)

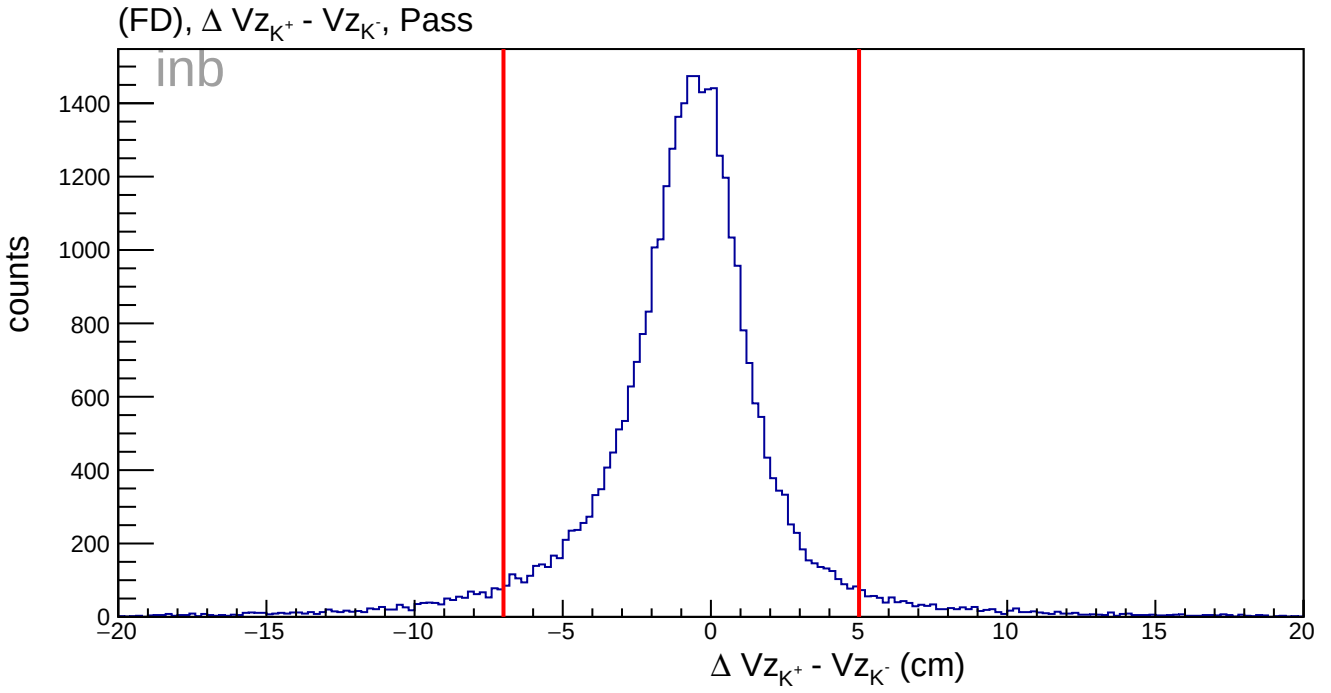

K+(FD), β vs P, w/ +-1σ χ2
outb
βK+
PK+ (GeV)

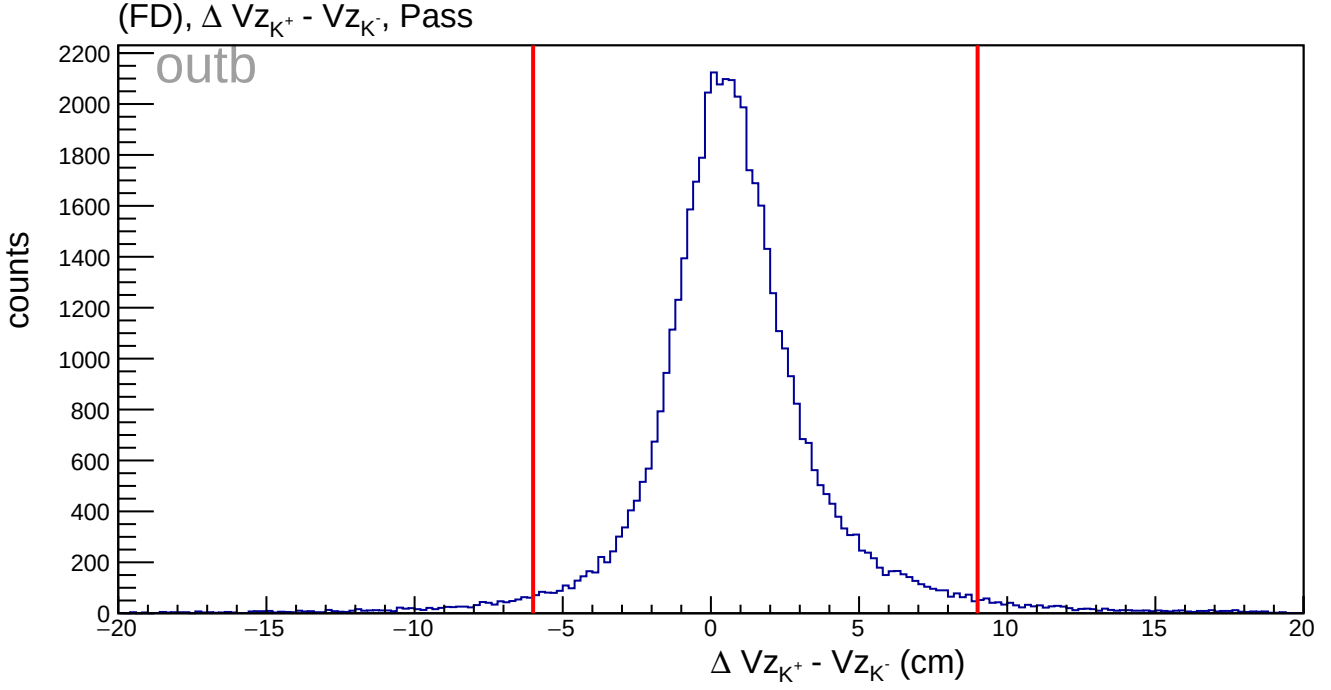

K⁻(FD), β vs P, w/+-1σ χ²
inb
1.2
1
0.8
0.6
0.4
0.2
0
β_K⁻
0
2
4
6
8
10
P_K⁻ (GeV)
250
200
150
100
50
0

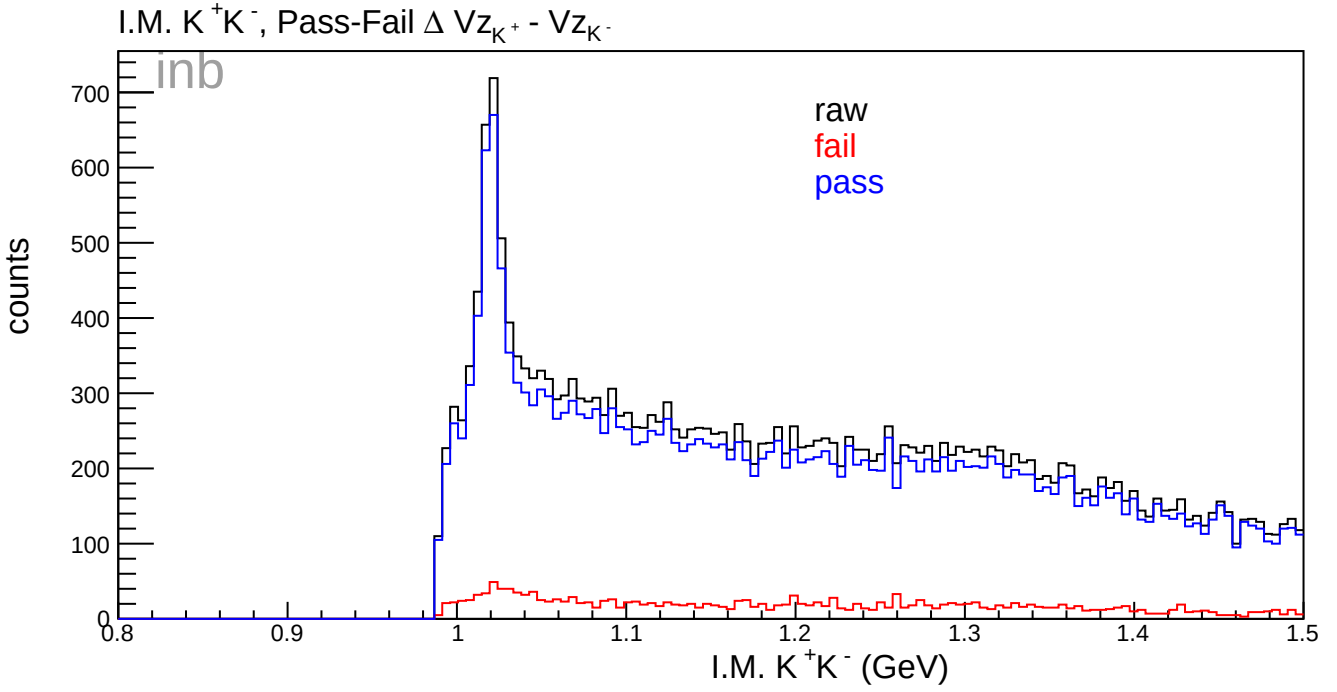

K⁻(FD), β vs P, w/+-1σ χ²
outb
1.2
1
0.8
0.6
0.4
0.2
0
β_K⁻
0
2
4
6
8
10
P_K⁻ (GeV)
250
200
150
100
50
0

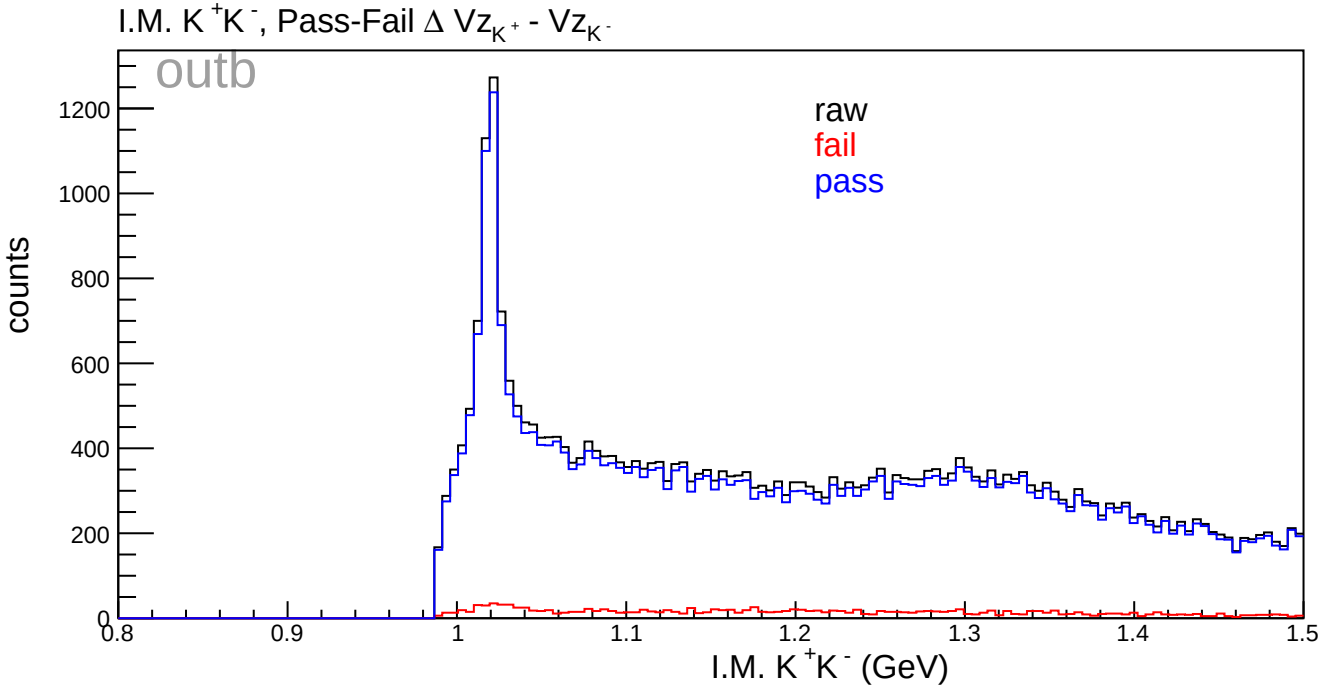

K+(FD), Δ Vz_K+ - Vz_K- vs P_K+, Pass
inb
Δ Vz_K+ - Vz_K- (cm)
P_K+ (GeV)

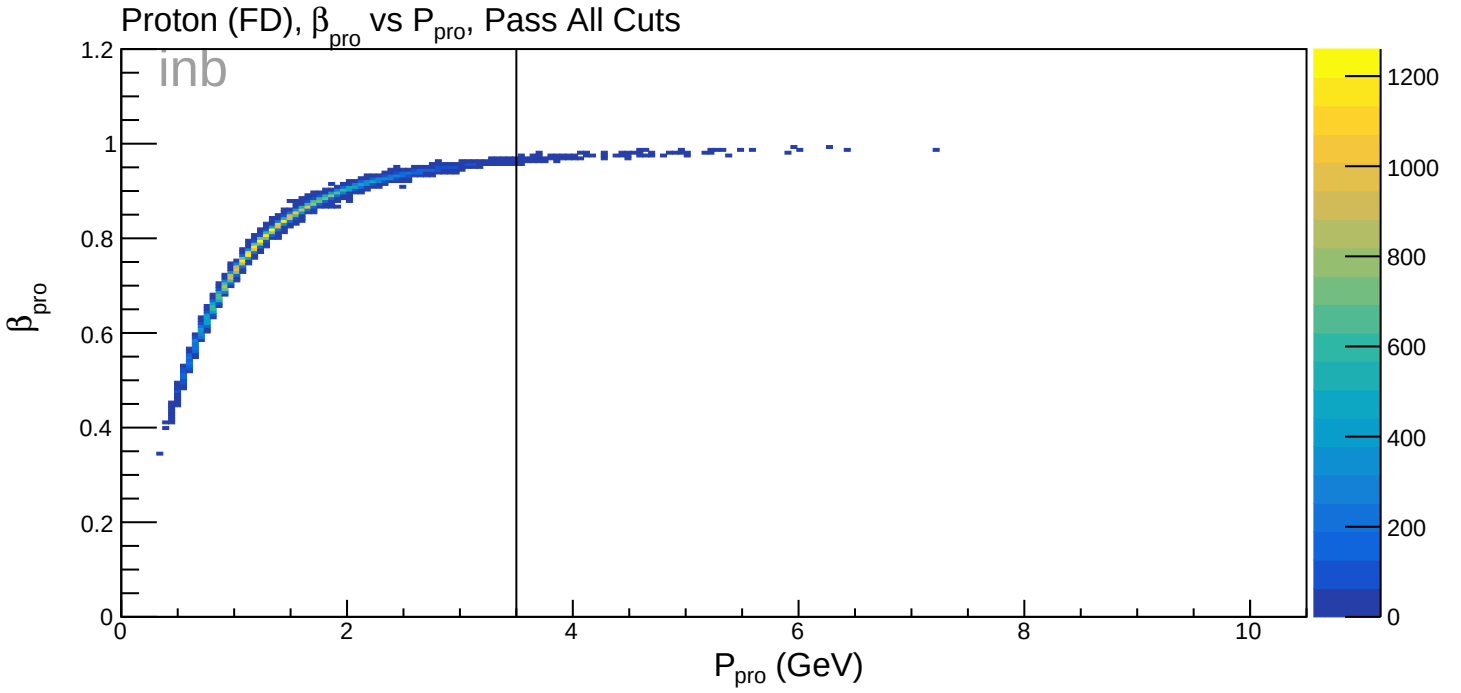

K+(FD), Δ Vz_K+ - Vz_K- vs P_K+, Pass
outb
Δ Vz_K+ - Vz_K- (cm)
P_K+ (GeV)

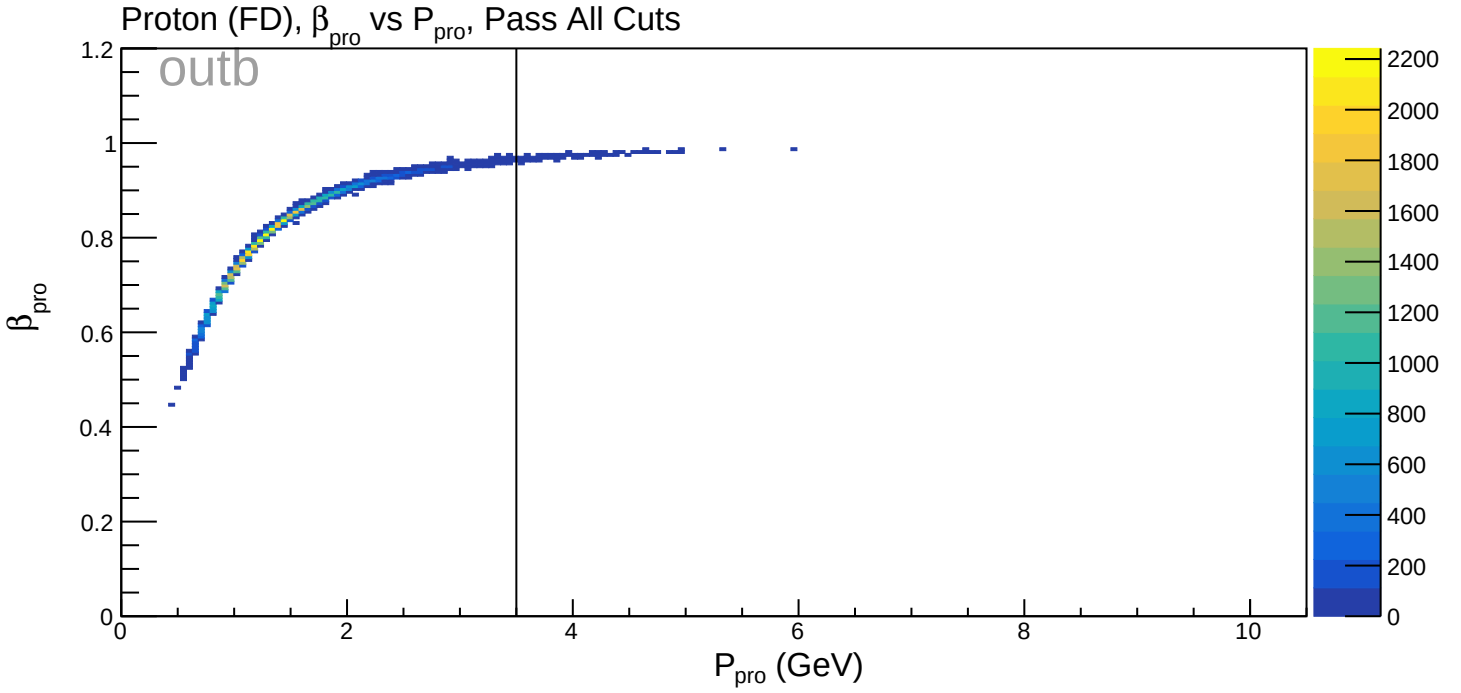

(FD), Δ Vz$_{K^+}$ - Vz$_{K^-}$, Pass
inb
counts
Δ Vz$_{K^+}$ - Vz$_{K^-}$ (cm)

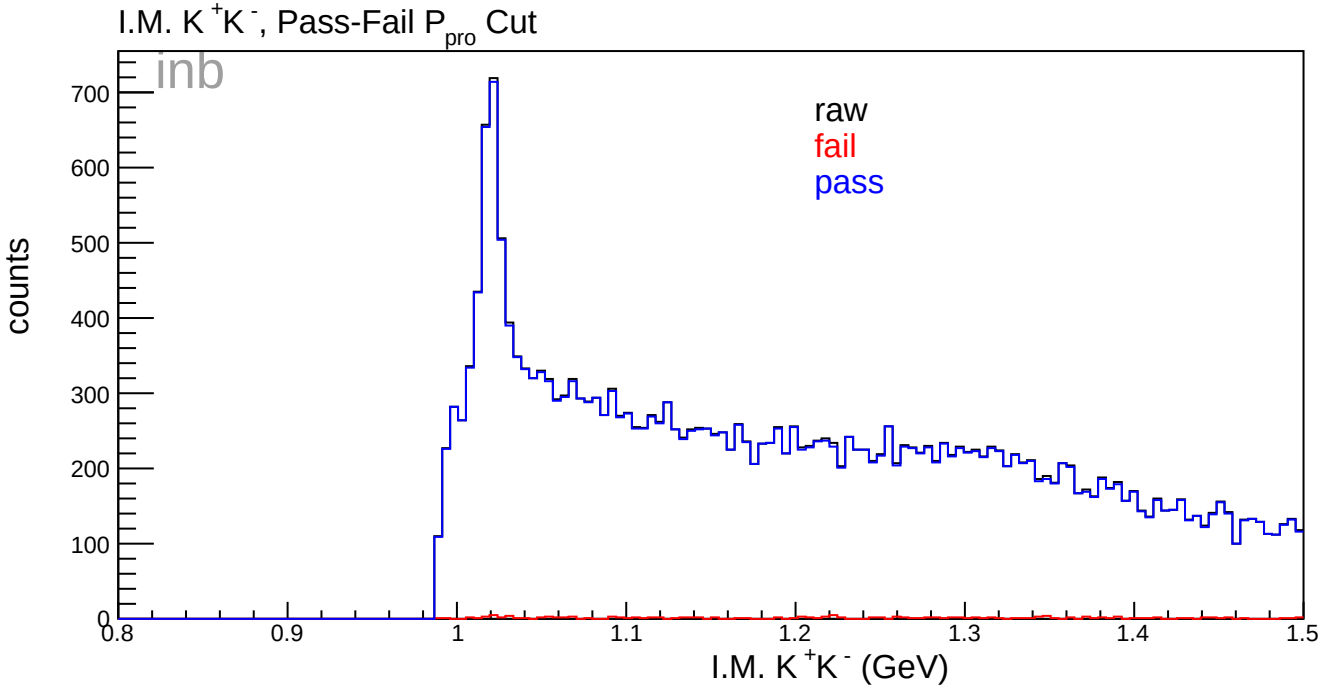

(FD), Δ Vz$_{K^+}$ - Vz$_{K^-}$, Pass
outb
counts
Δ Vz$_{K^+}$ - Vz$_{K^-}$ (cm)

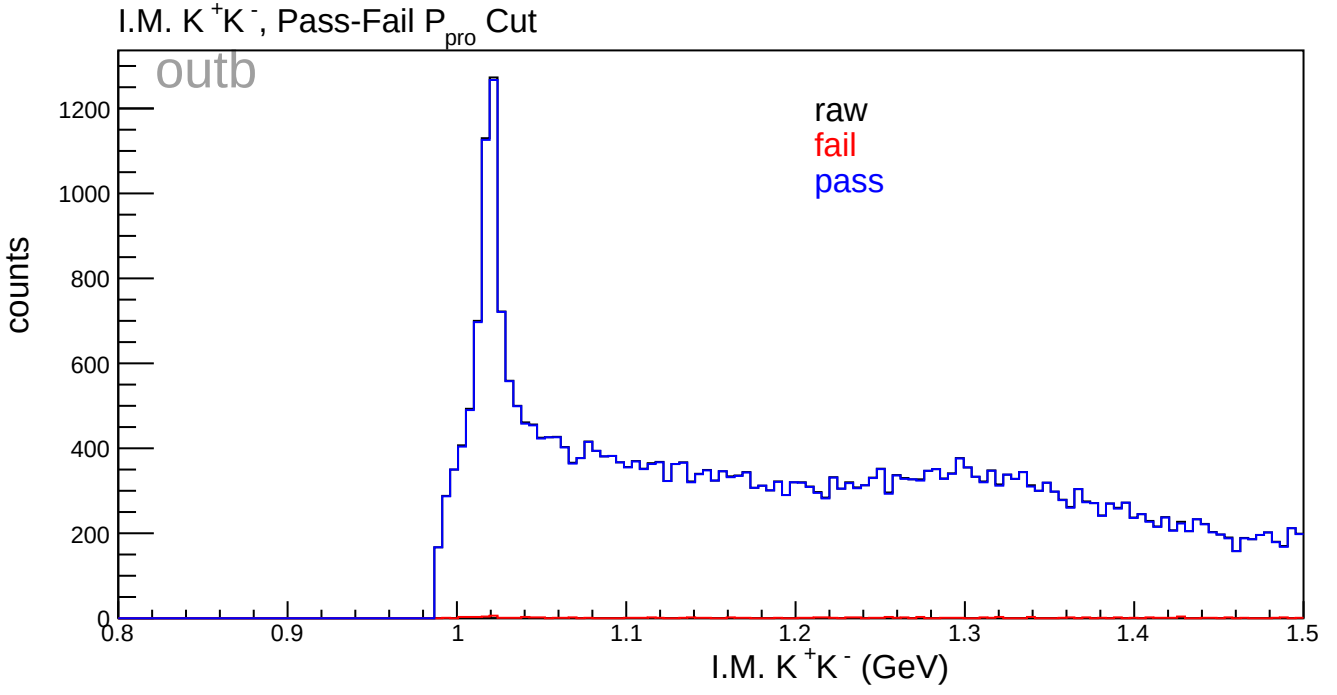

I.M. K+K-, Pass-Fail Δ VzK+ - VzK-
inb
raw
fail
pass
counts
I.M. K+K- (GeV)

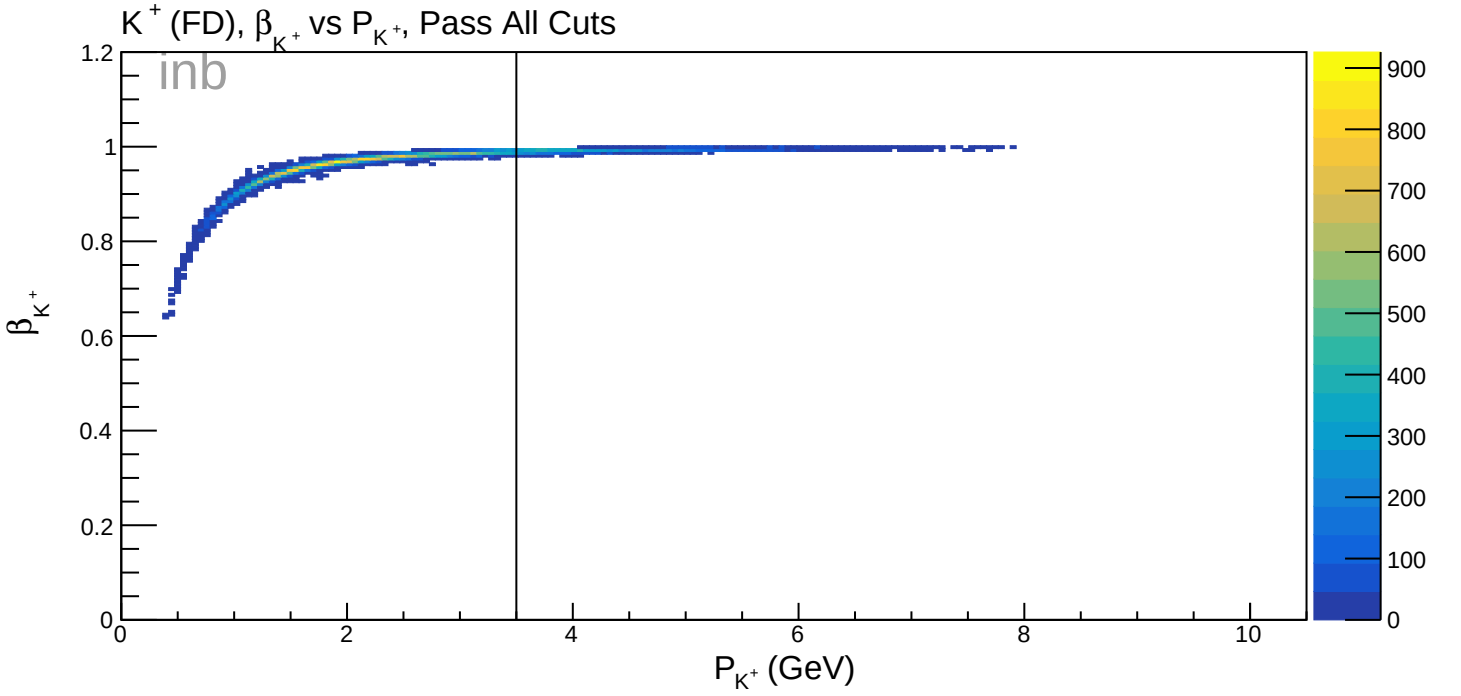

I.M. K+K-, Pass-Fail Δ VzK+ - VzK-
outb
raw
fail
pass
counts
I.M. K+K- (GeV)

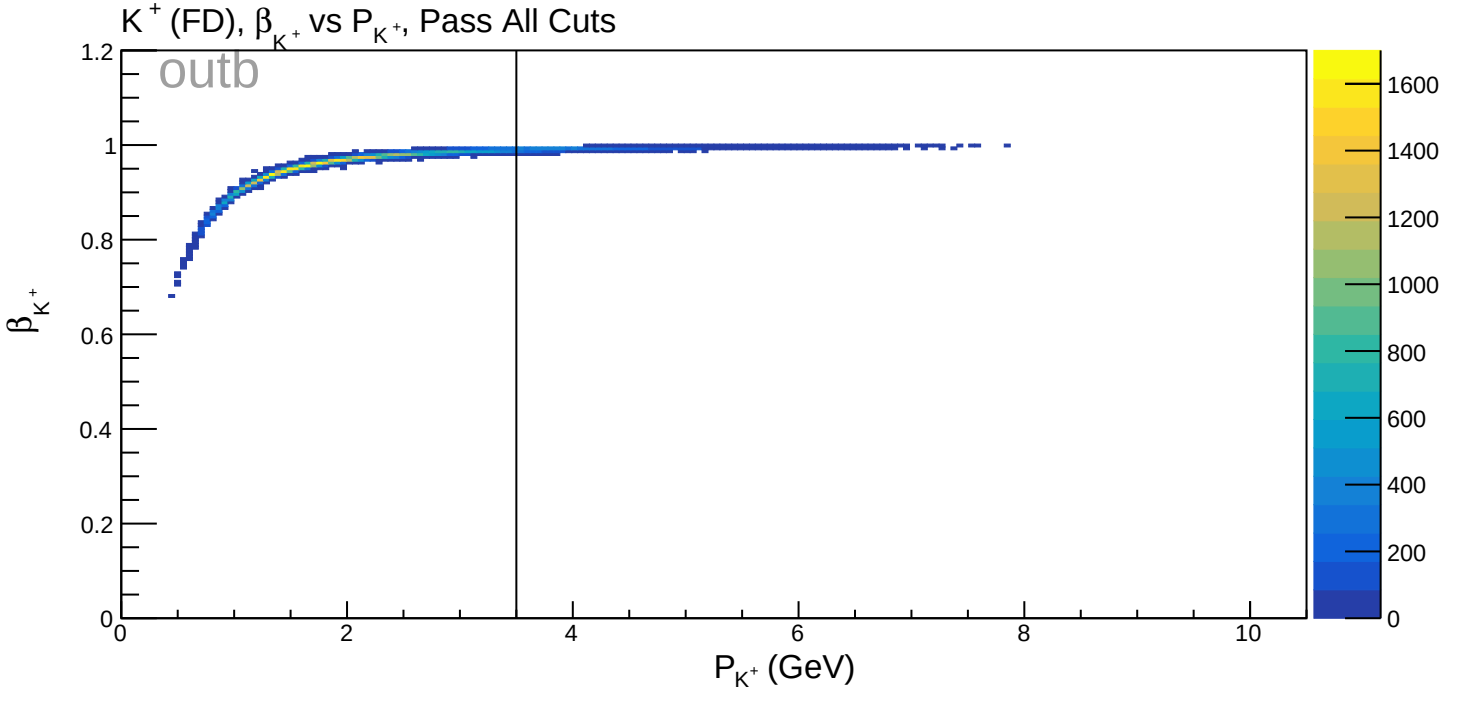

Proton (FD), β_{pro} vs P_{pro}, Pass All Cuts
inb
β_{pro}
P_{pro} (GeV)

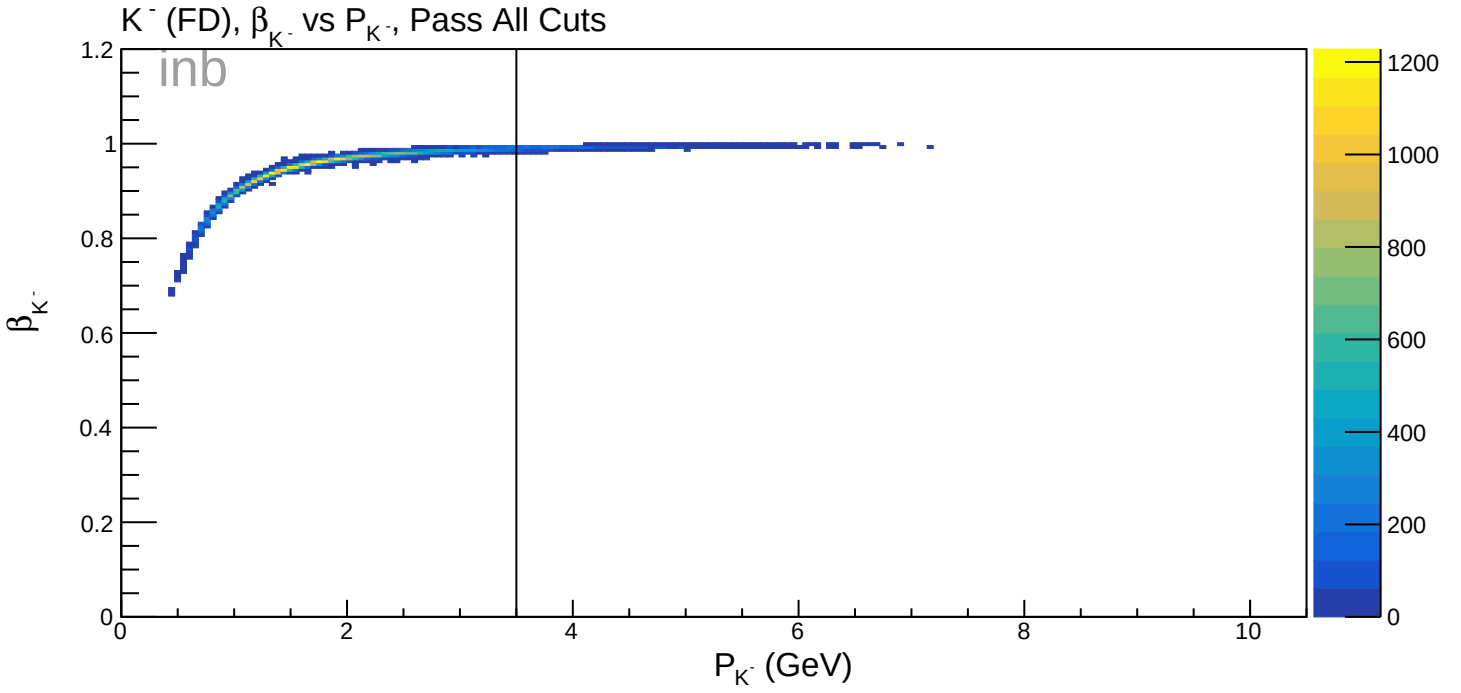

Proton (FD), β_{pro} vs P_{pro}, Pass All Cuts
outb
β_{pro}
P_{pro} (GeV)

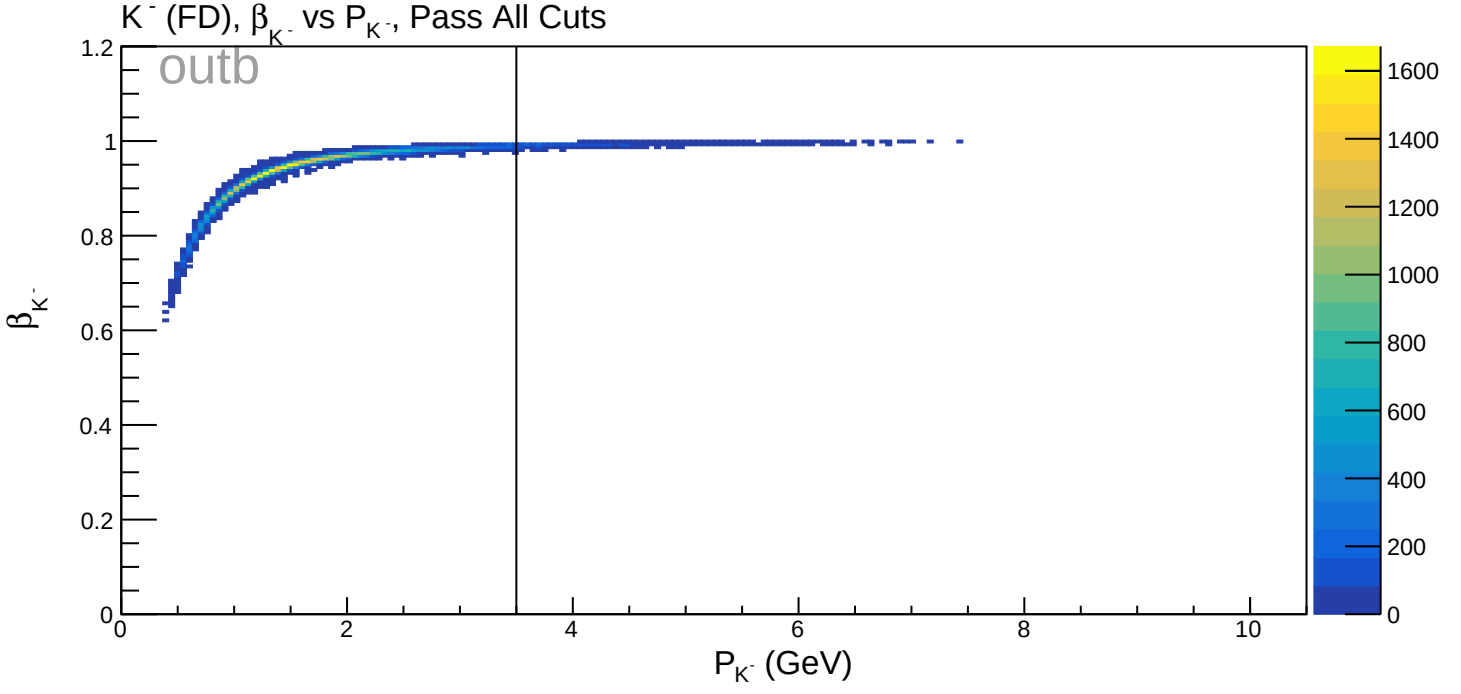

I.M. K+K-, Pass-Fail Ppro Cut
inb
raw
fail
pass
counts
I.M. K+K- (GeV)

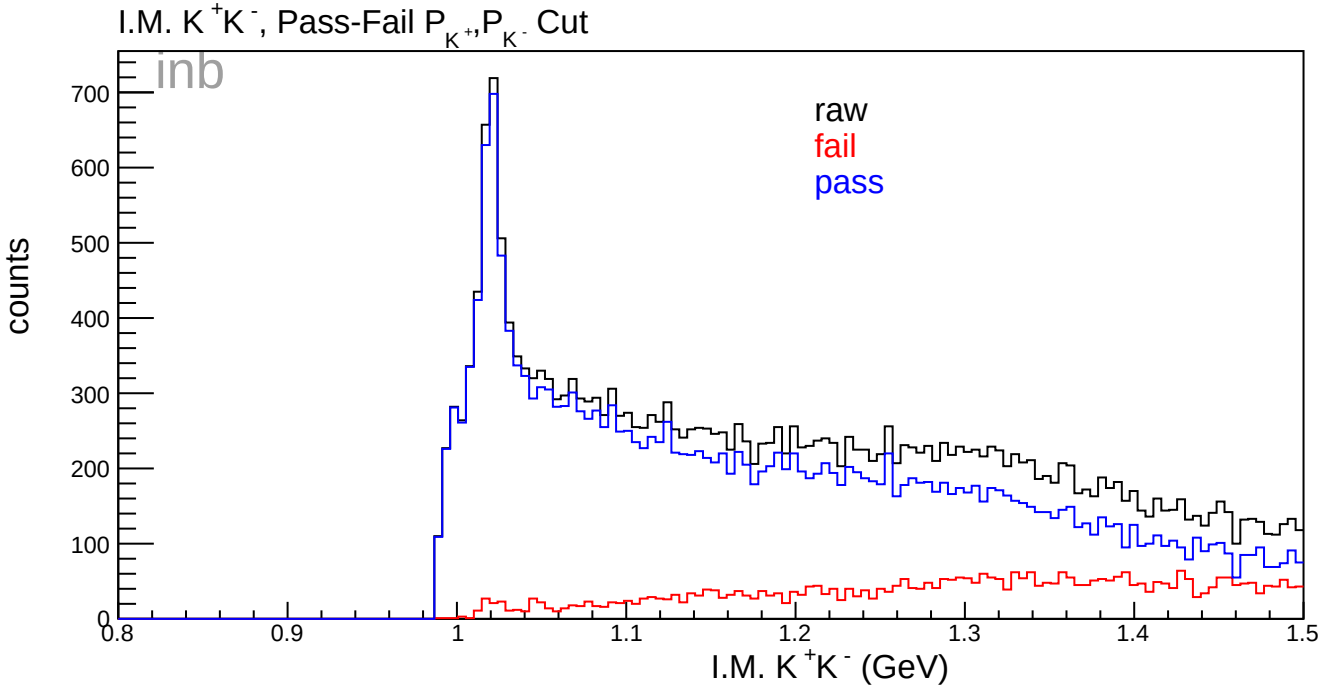

I.M. K+K-, Pass-Fail Ppro Cut
outb
raw
fail
pass
counts
I.M. K+K- (GeV)

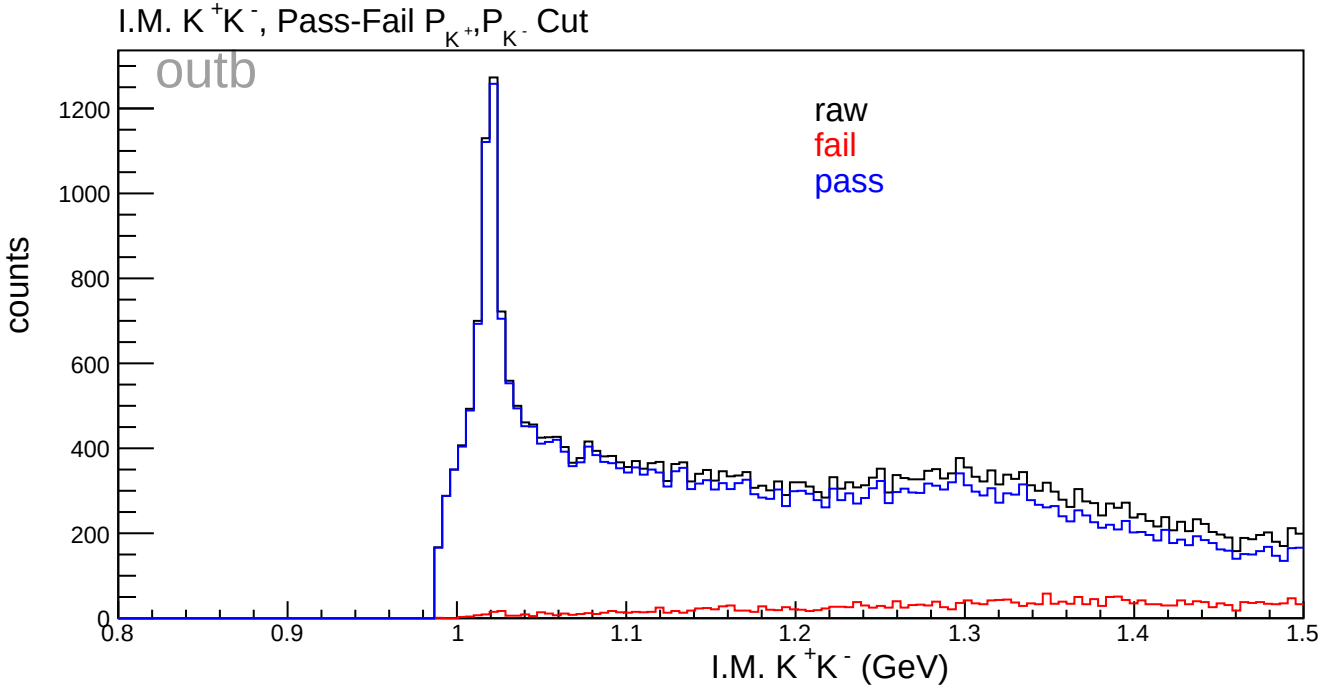

K+ (FD), βK+ vs PK+, Pass All Cuts
inb
βK+
PK+ (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
100
200
300
400
500
600
700
800
900

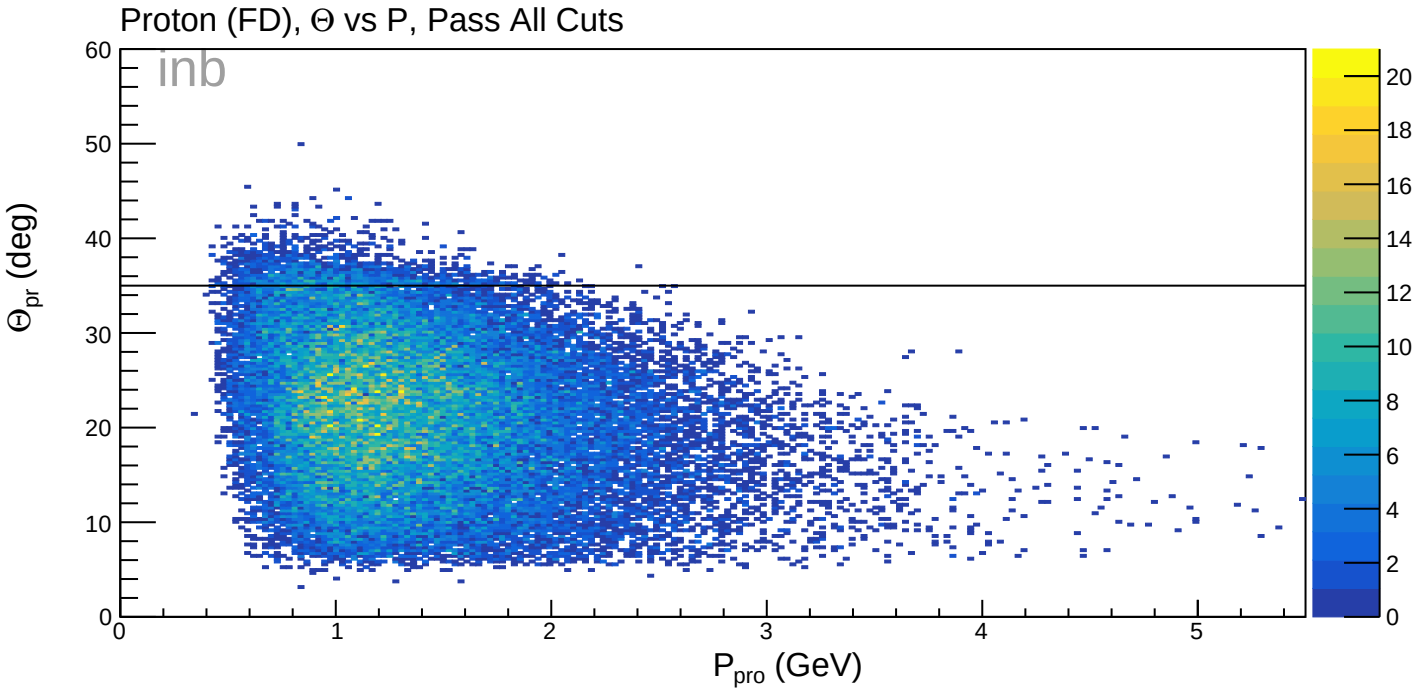

K+ (FD), βK+ vs PK+, Pass All Cuts
outb
βK+
PK+ (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
200
400
600
800
1000
1200
1400
1600

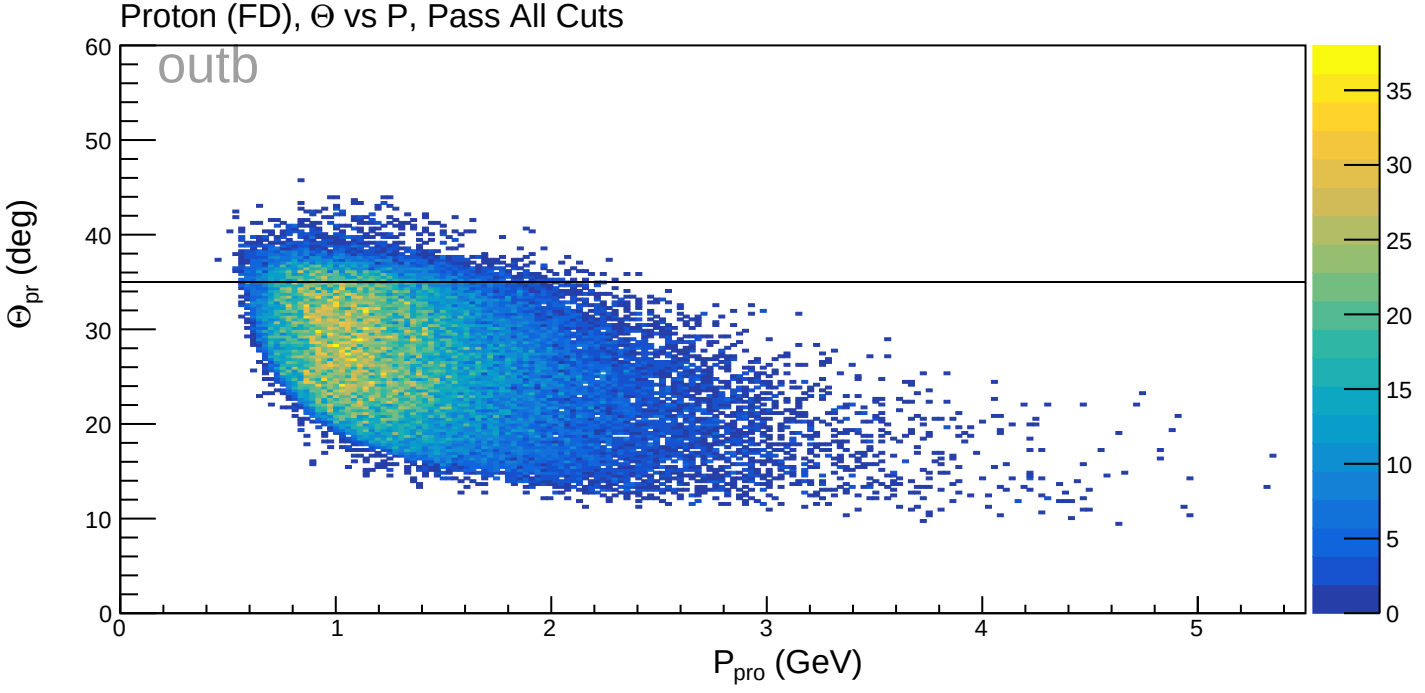

K⁻ (FD), β_K⁻ vs P_K⁻, Pass All Cuts
inb
β_K⁻
P_K⁻ (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
200
400
600
800
1000
1200

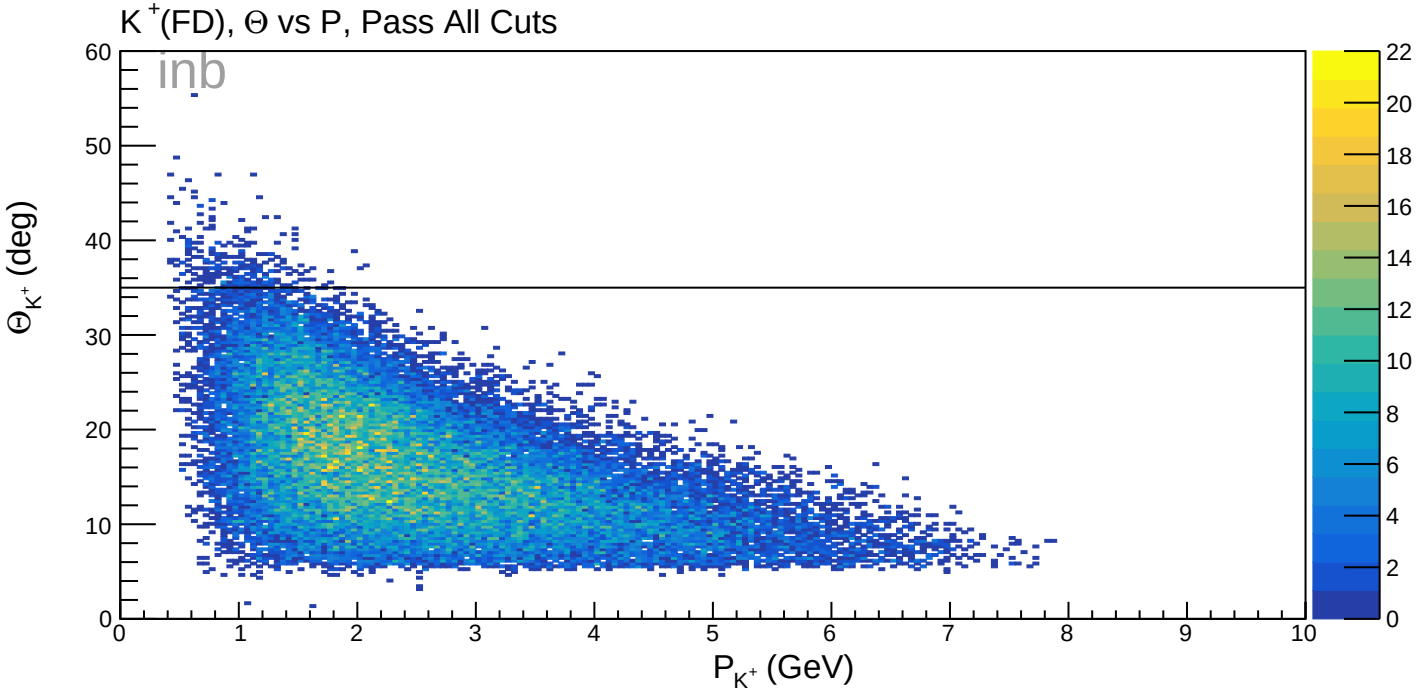

K⁻ (FD), β_K⁻ vs P_K⁻, Pass All Cuts
outb
β_K⁻
P_K⁻ (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0
2
4
6
8
10
0
200
400
600
800
1000
1200
1400
1600

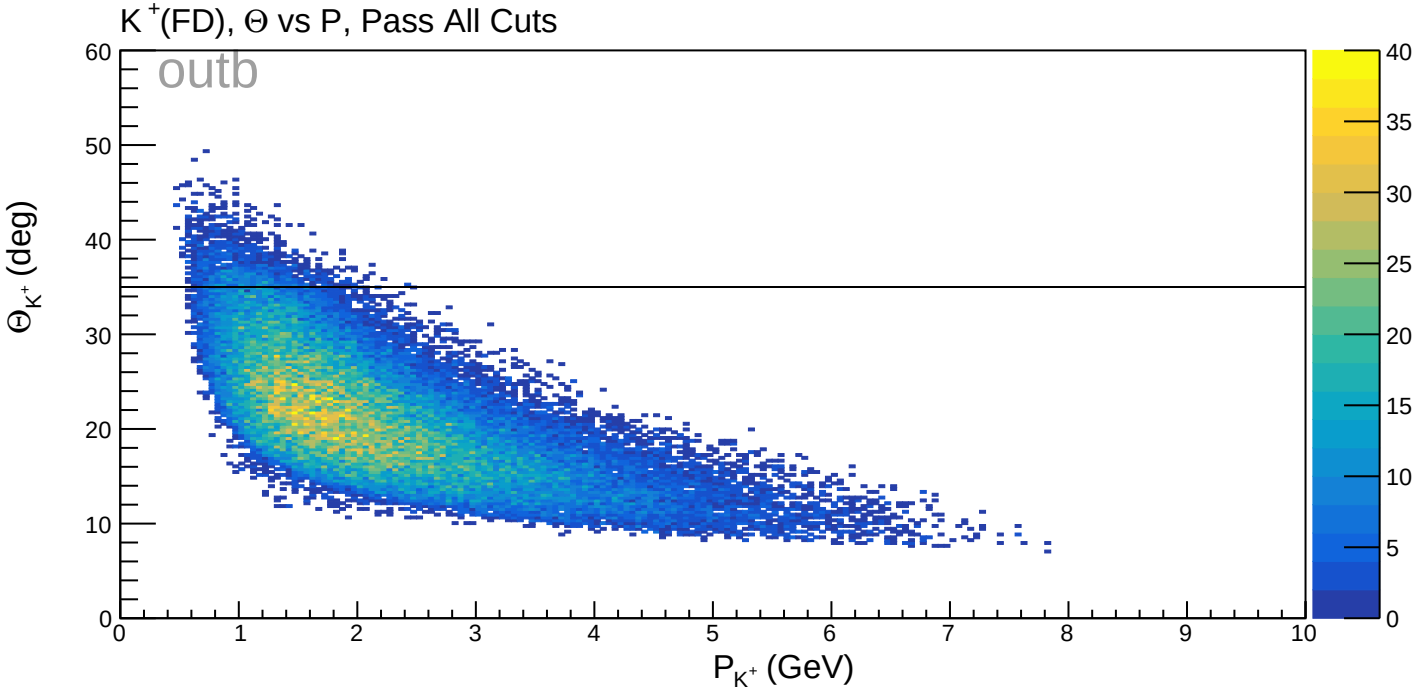

I.M. K+K-, Pass-Fail PK+,PK- Cut
inb
raw
fail
pass
counts
I.M. K+K- (GeV)

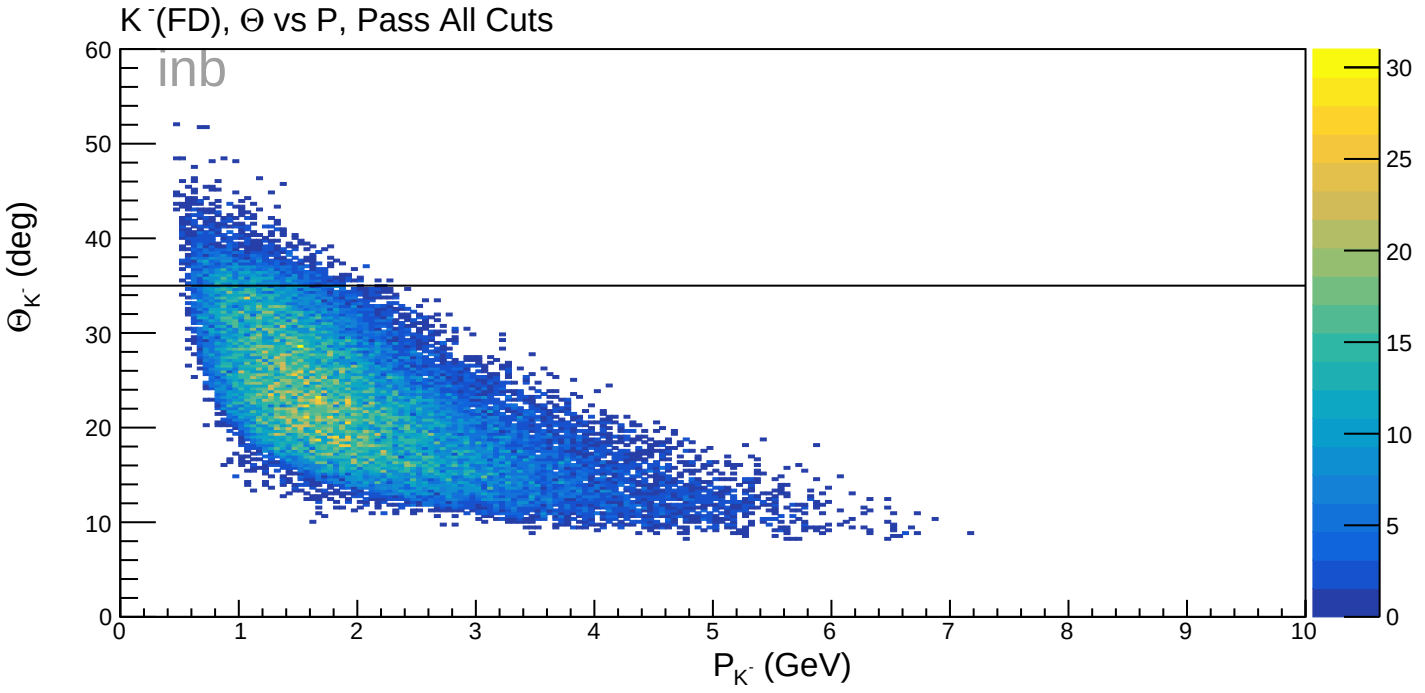

I.M. K+K-, Pass-Fail PK+,PK- Cut
outb
raw
fail
pass
counts
I.M. K+K- (GeV)

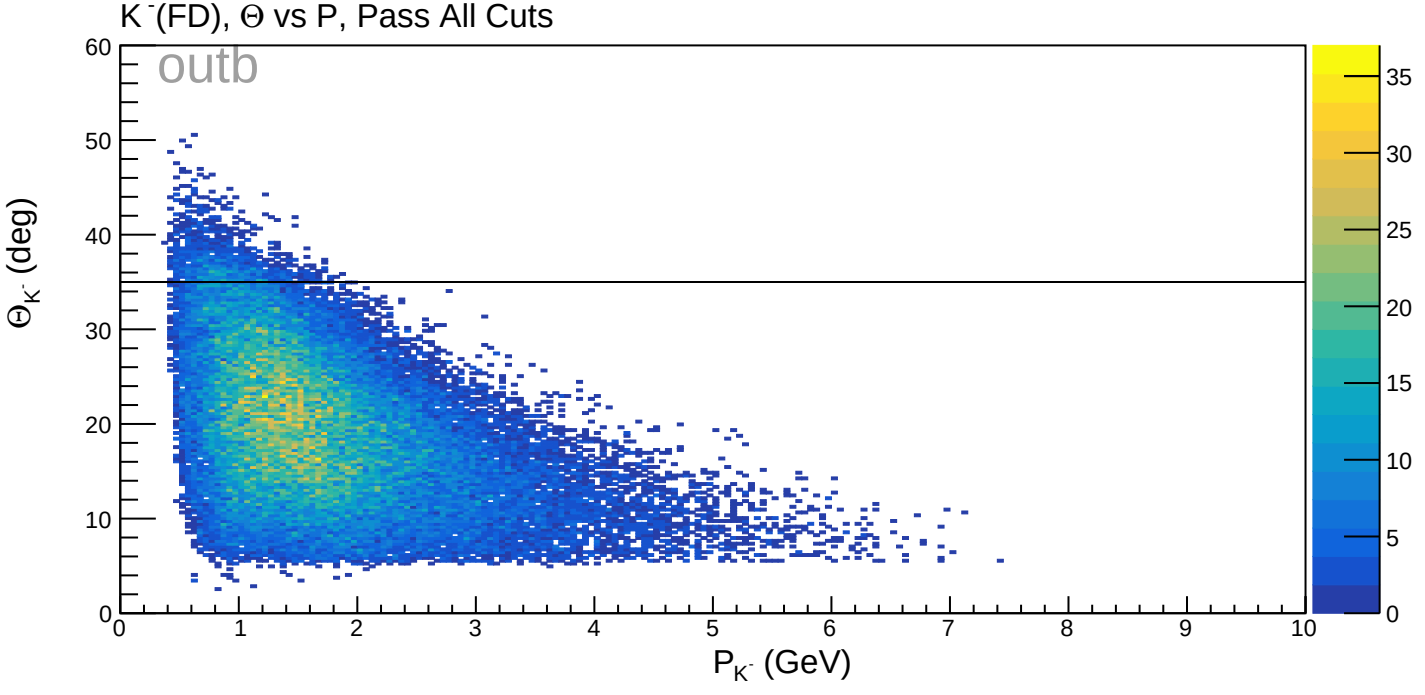

Proton (FD), Θ vs P, Pass All Cuts
inb
Θpr (deg)
Ppro (GeV)

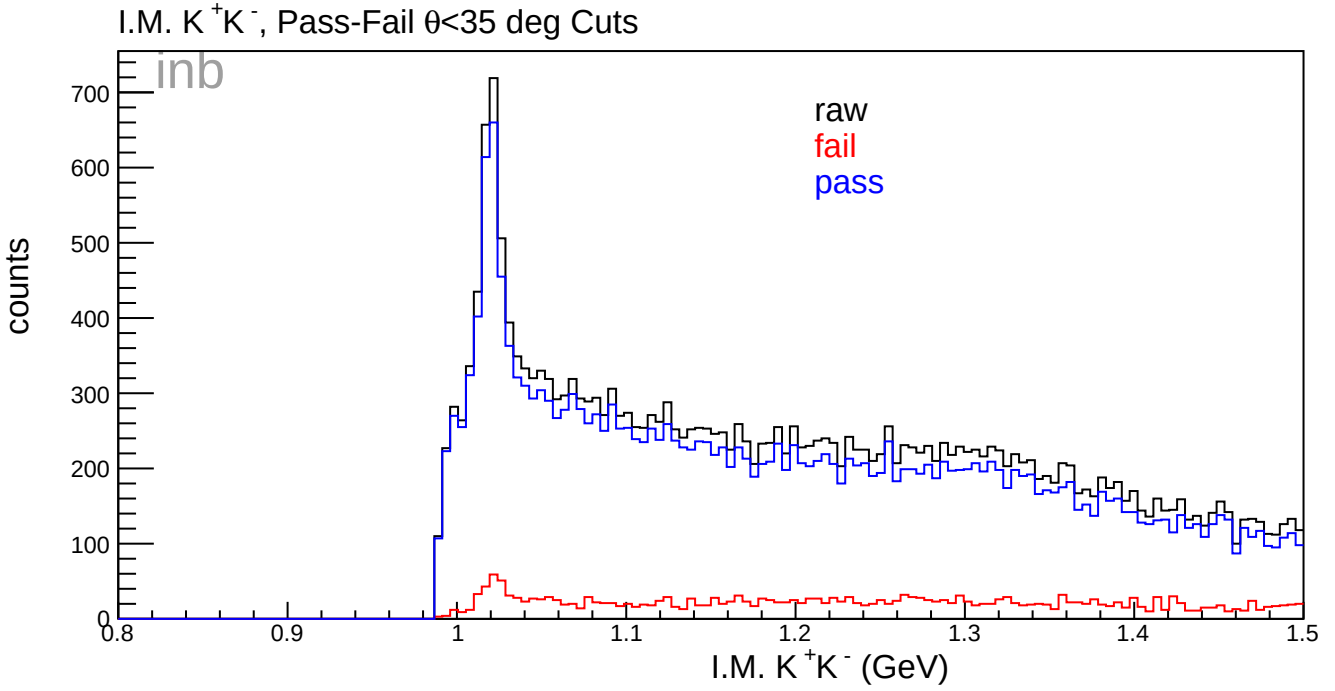

Proton (FD), Θ vs P, Pass All Cuts
outb
Θpr (deg)
Ppro (GeV)

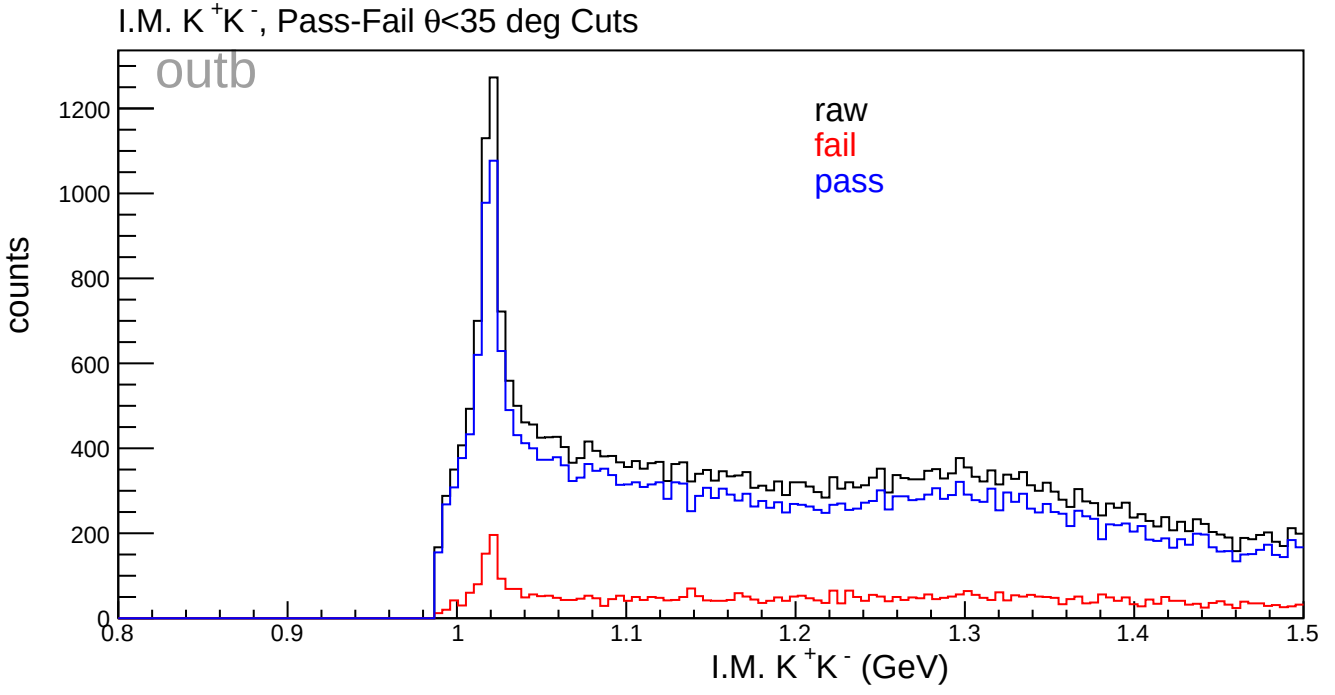

K+(FD), Θ vs P, Pass All Cuts
inb
ΘK+ (deg)
PK+ (GeV)

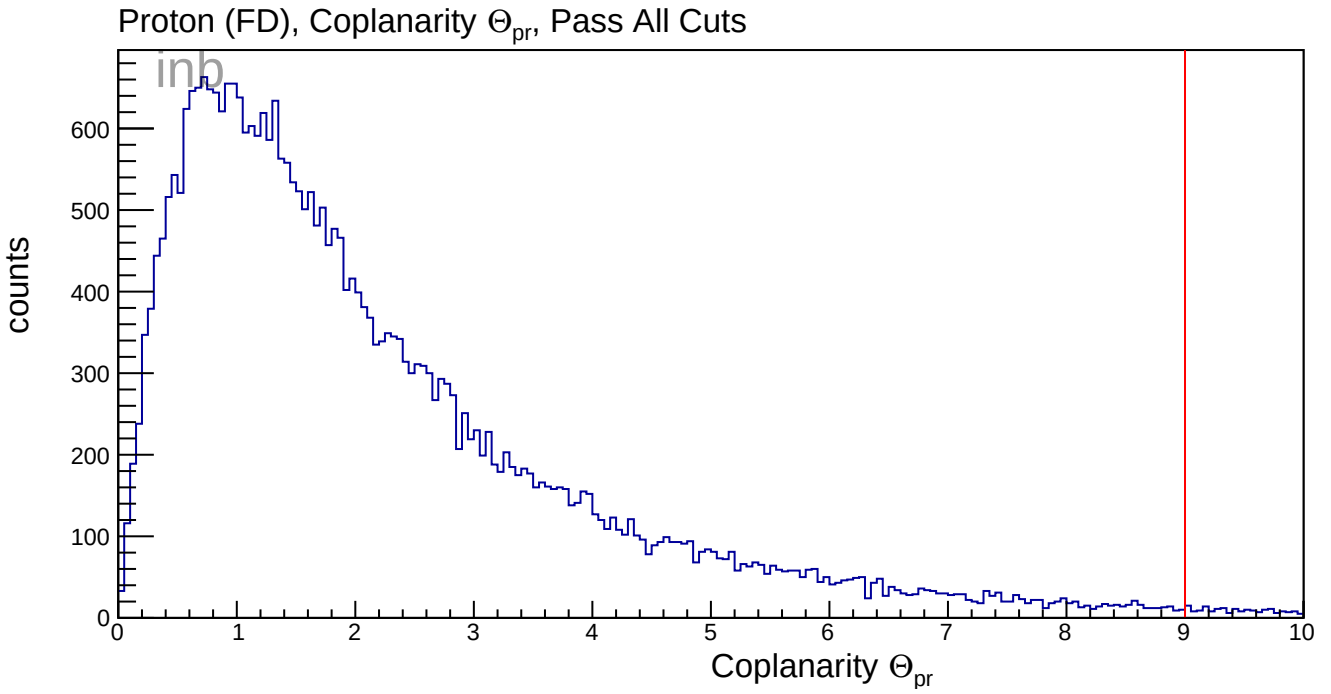

K+(FD), Θ vs P, Pass All Cuts
outb
ΘK+ (deg)
PK+ (GeV)

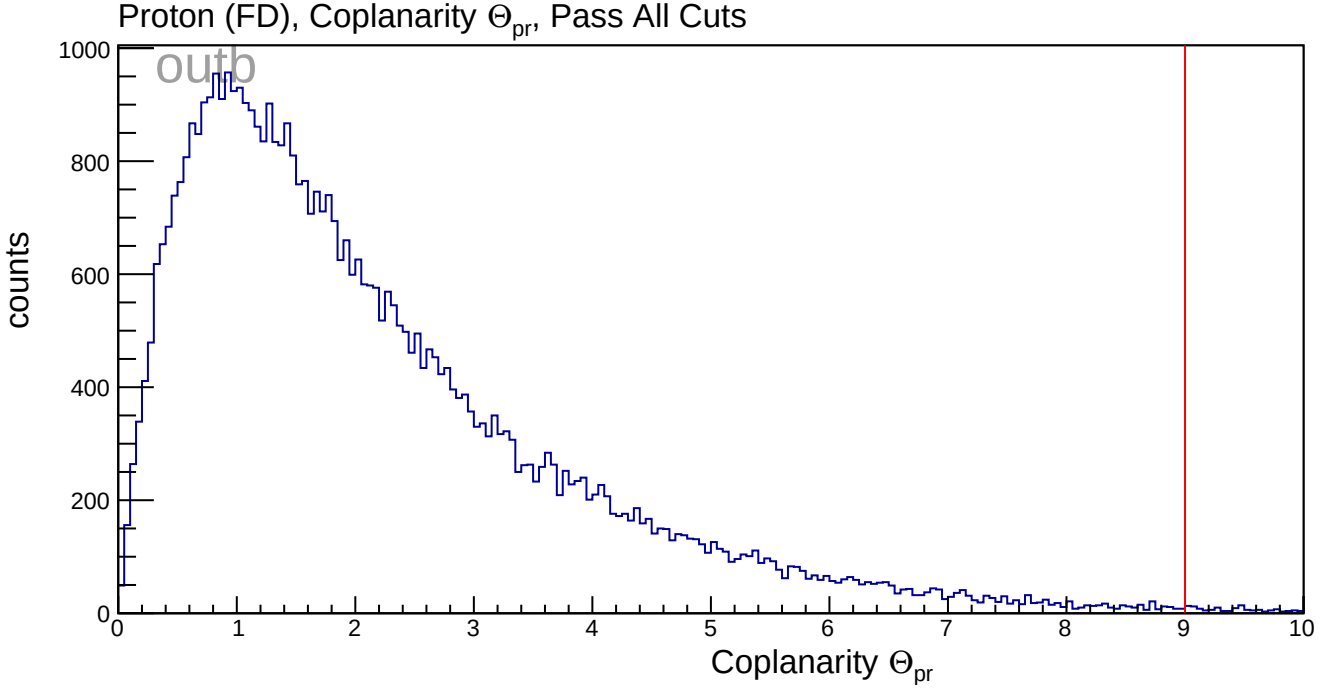

K⁻(FD), Θ vs P, Pass All Cuts
inb
Θ_K⁻ (deg)
P_K⁻ (GeV)

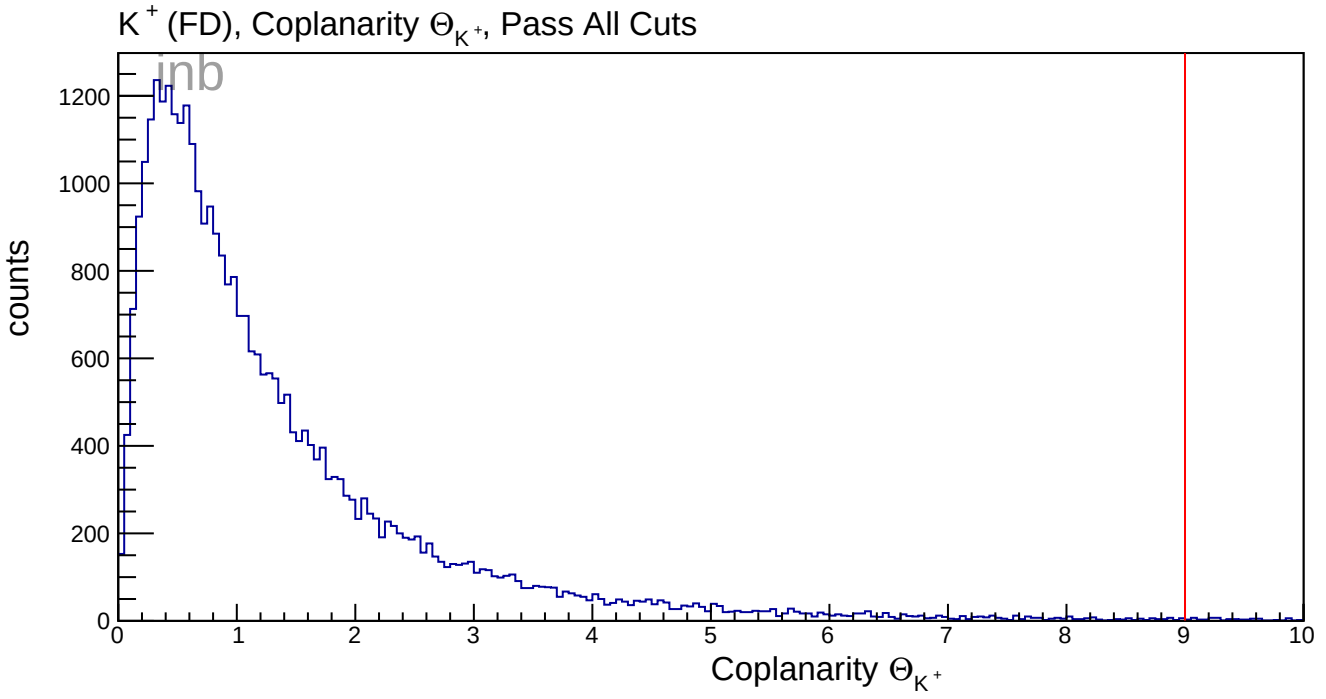

K⁻(FD), Θ vs P, Pass All Cuts
outb
Θ_K⁻ (deg)
P_K⁻ (GeV)

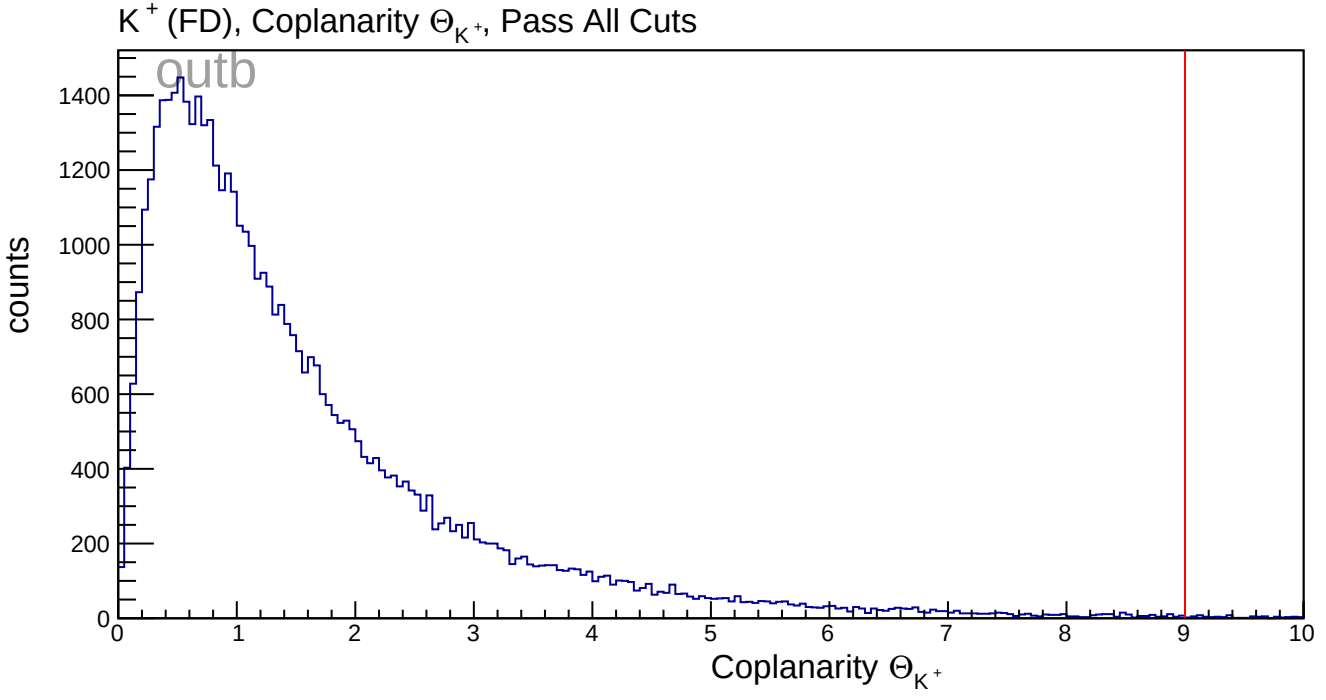

I.M. K+K-, Pass-Fail θ<35 deg Cuts
inb
raw
fail
pass
counts
I.M. K+K- (GeV)

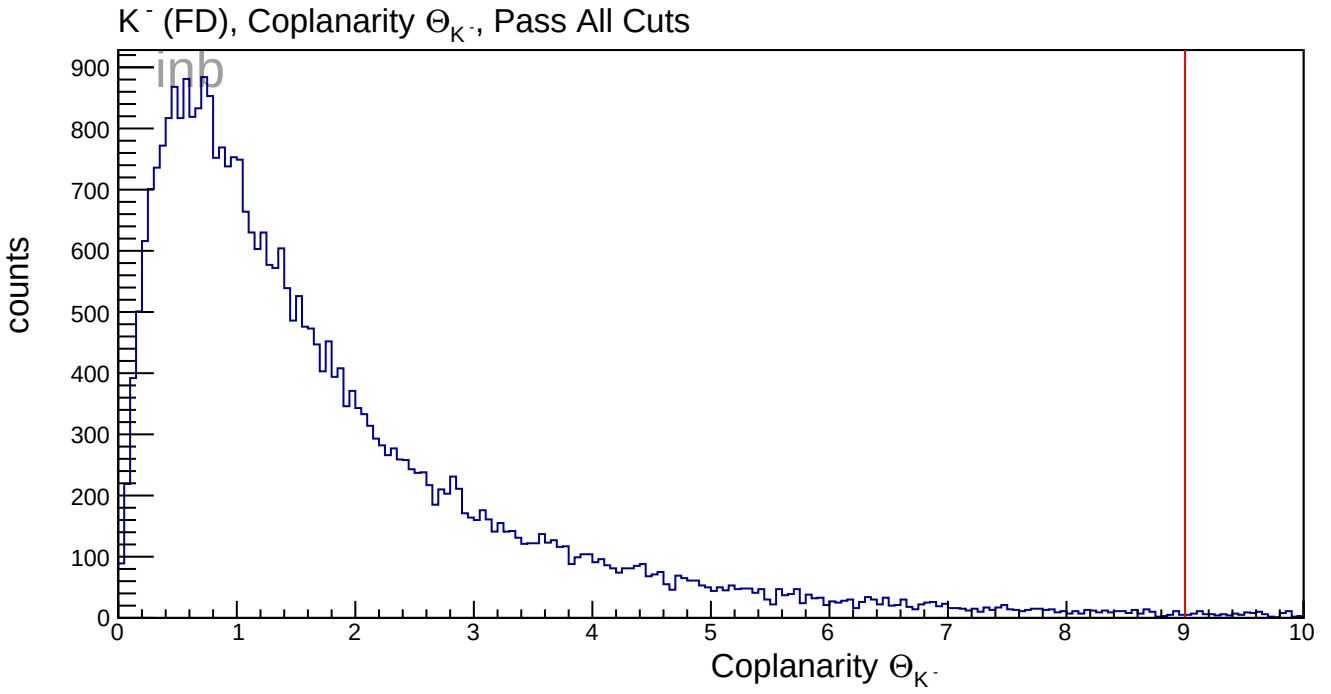

I.M. K+K-, Pass-Fail θ<35 deg Cuts
outb
raw
fail
pass
counts
I.M. K+K- (GeV)

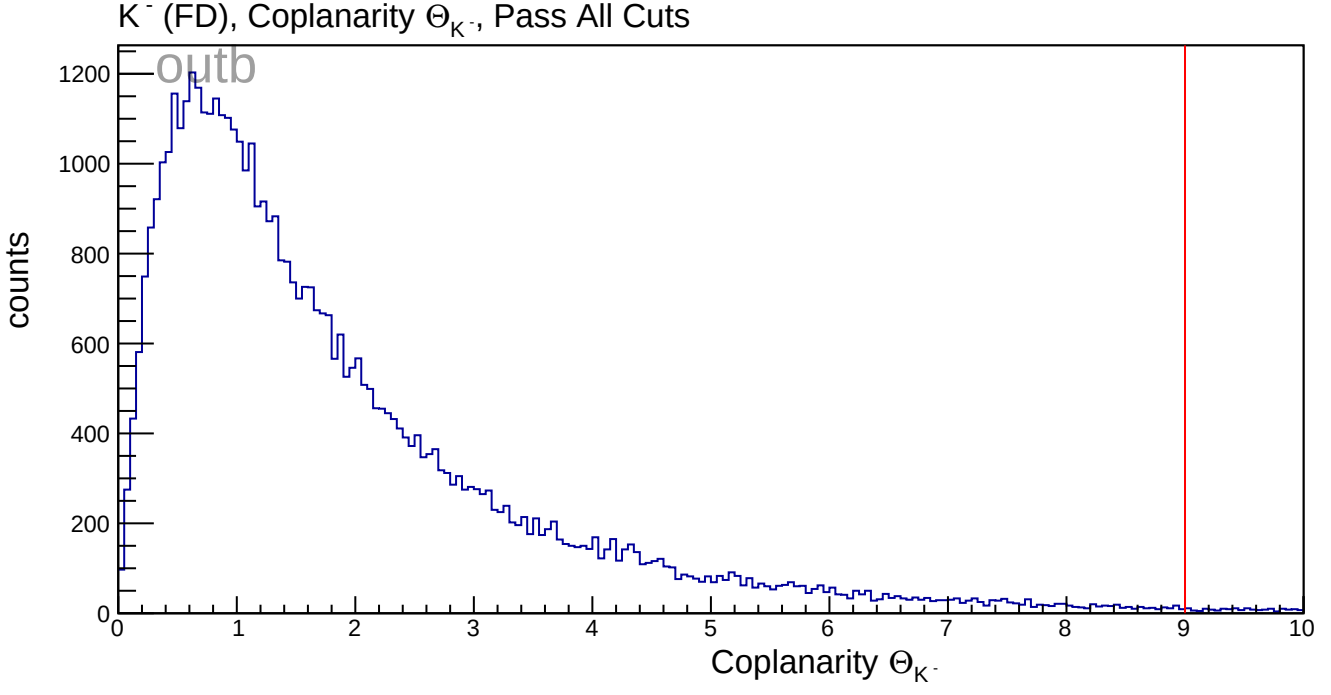

Proton (FD), Coplanarity Θ_{pr}, Pass All Cuts
inb
counts
Coplanarity Θ_{pr}

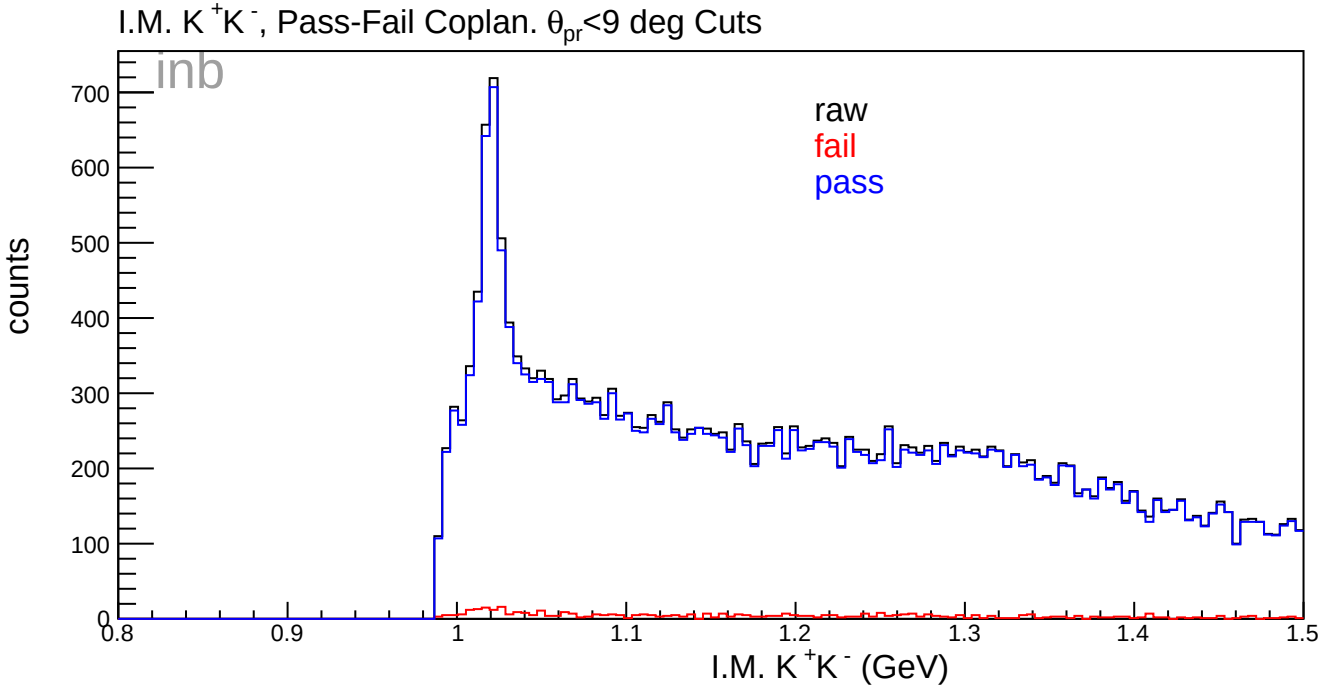

Proton (FD), Coplanarity Θ_{pr}, Pass All Cuts
outb
counts
Coplanarity Θ_{pr}

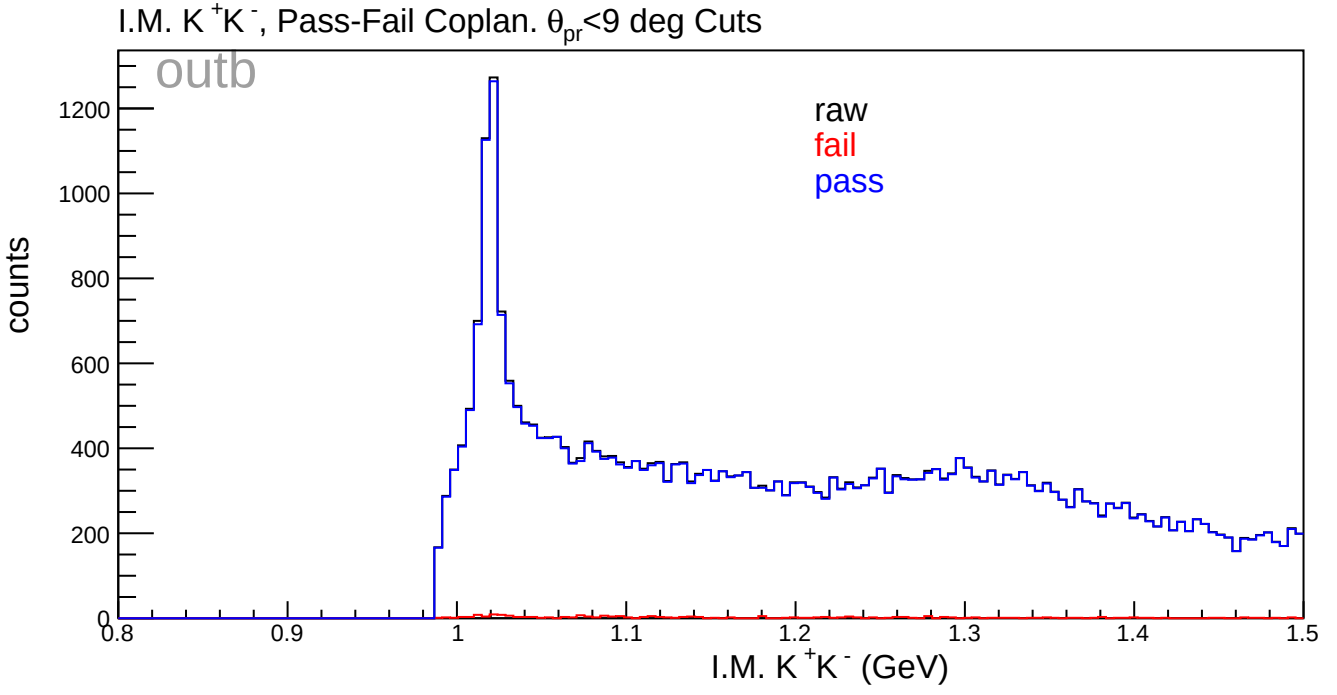

K+ (FD), Coplanarity ΘK+, Pass All Cuts
inb
counts
Coplanarity ΘK+

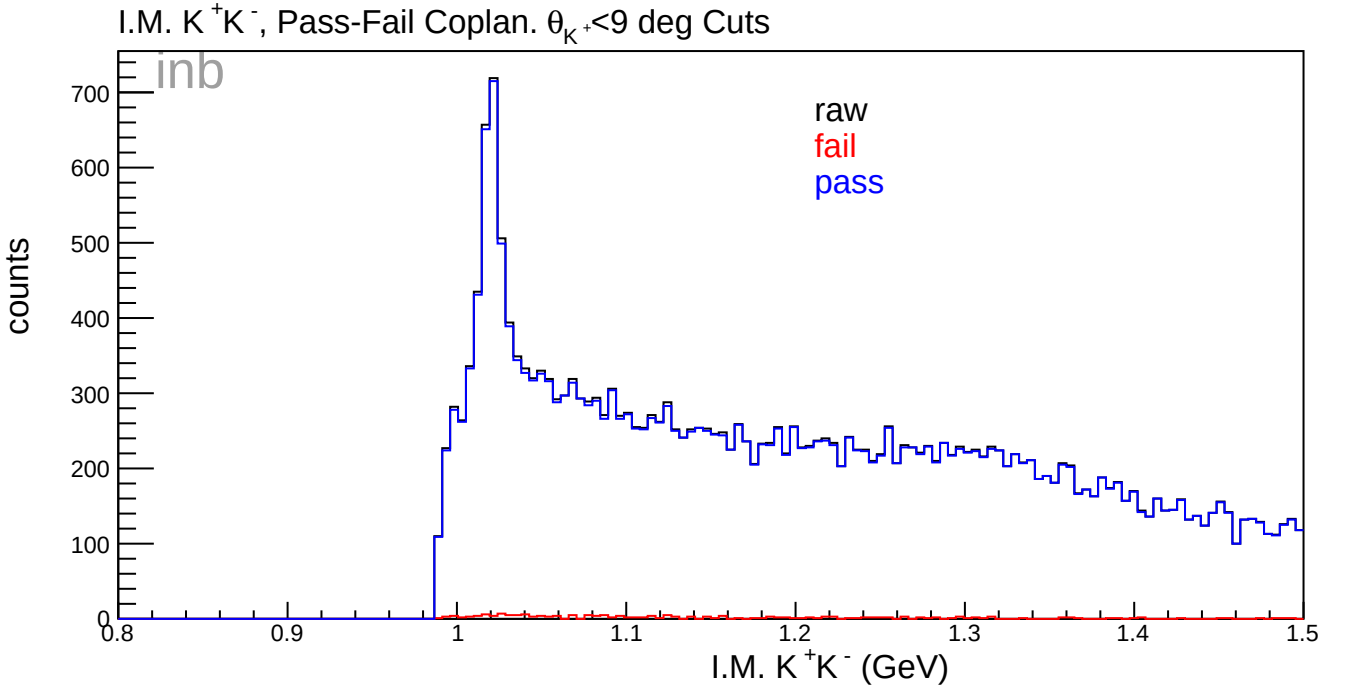

K+ (FD), Coplanarity ΘK+, Pass All Cuts
outb
counts
Coplanarity ΘK+

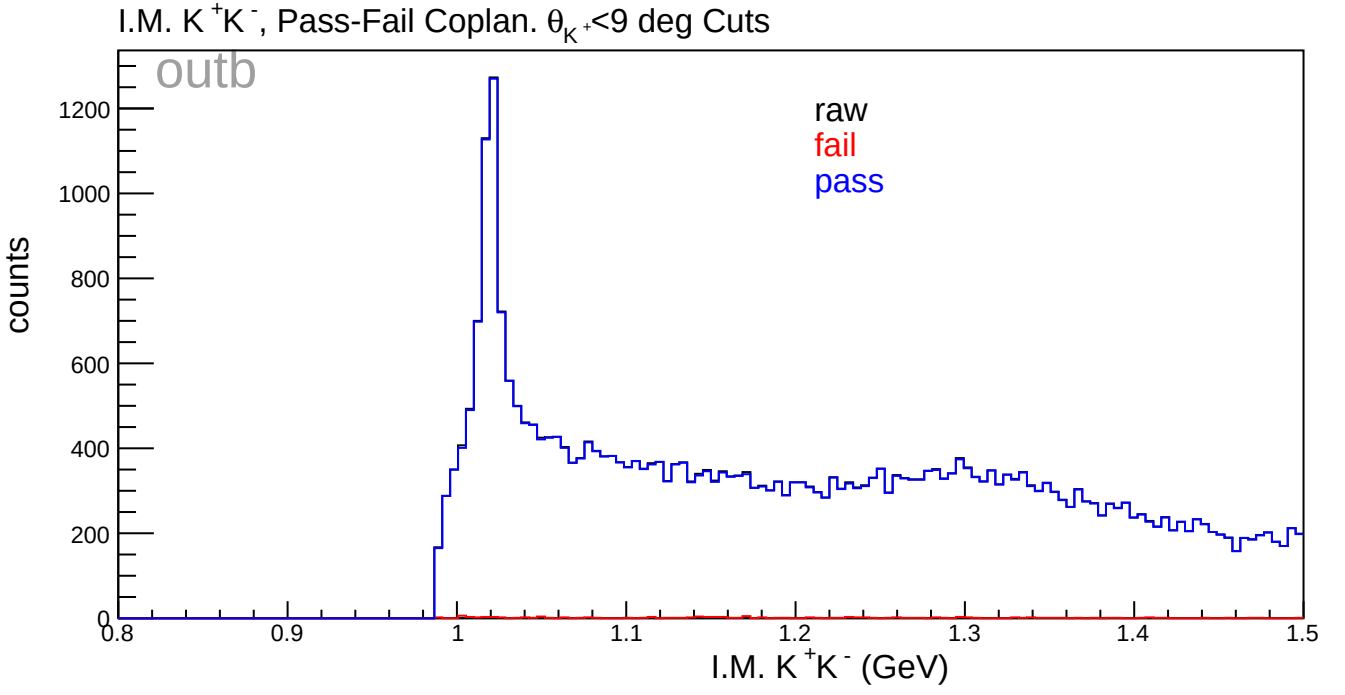

K⁻ (FD), Coplanarity Θ_K⁻, Pass All Cuts
inb
counts
Coplanarity Θ_K⁻

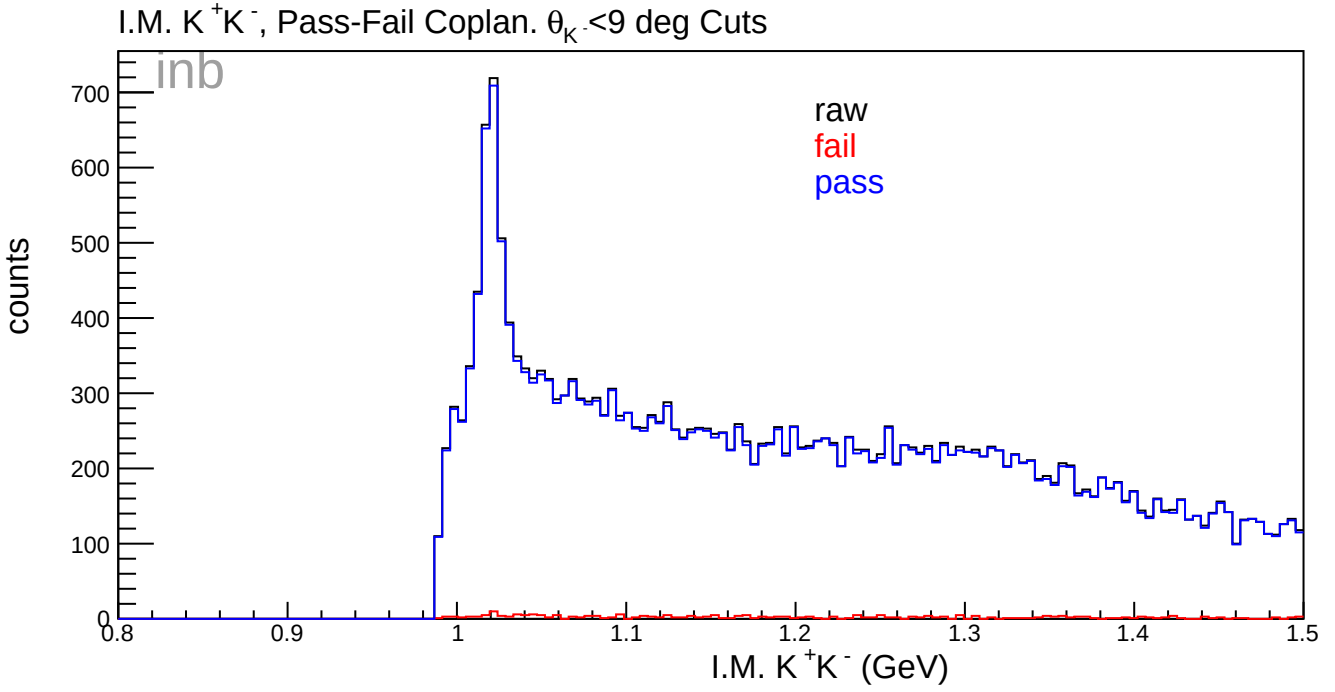

K⁻ (FD), Coplanarity Θ_K⁻, Pass All Cuts
outb
counts
Coplanarity Θ_K⁻

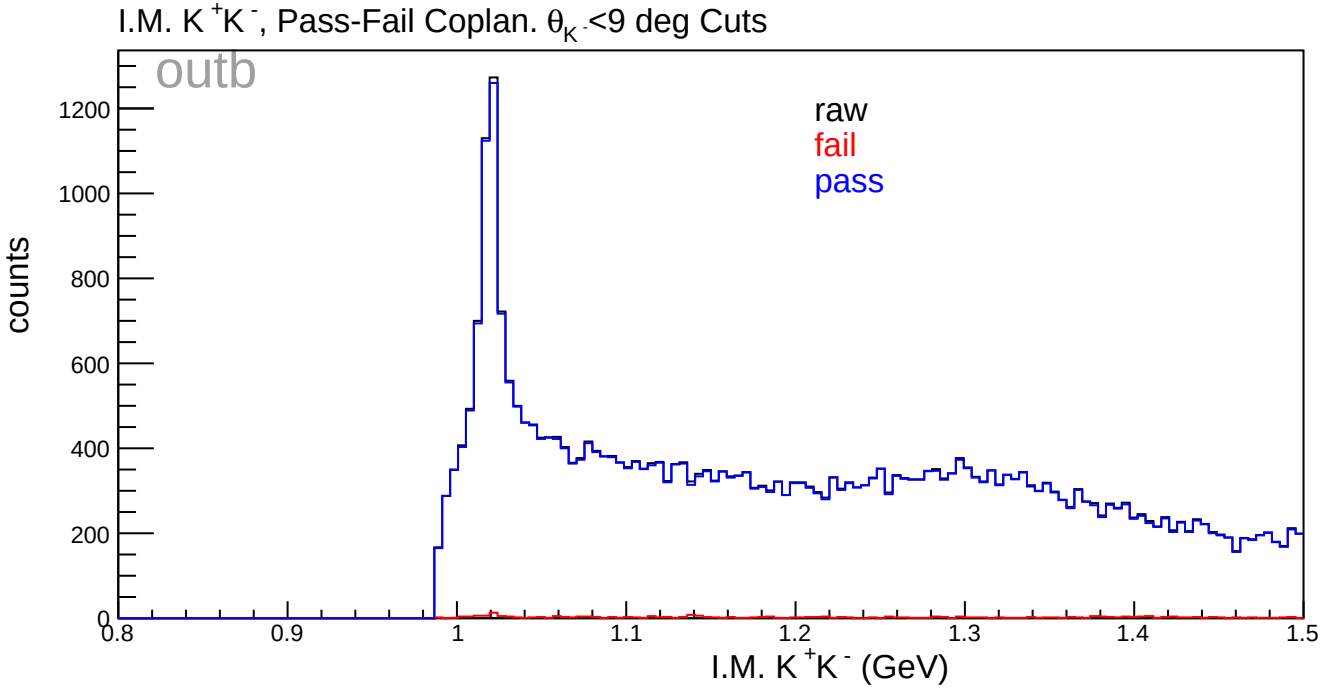

I.M. K+K-, Pass-Fail Coplan. θpr<9 deg Cuts
inb
raw
fail
pass
counts
I.M. K+K- (GeV)

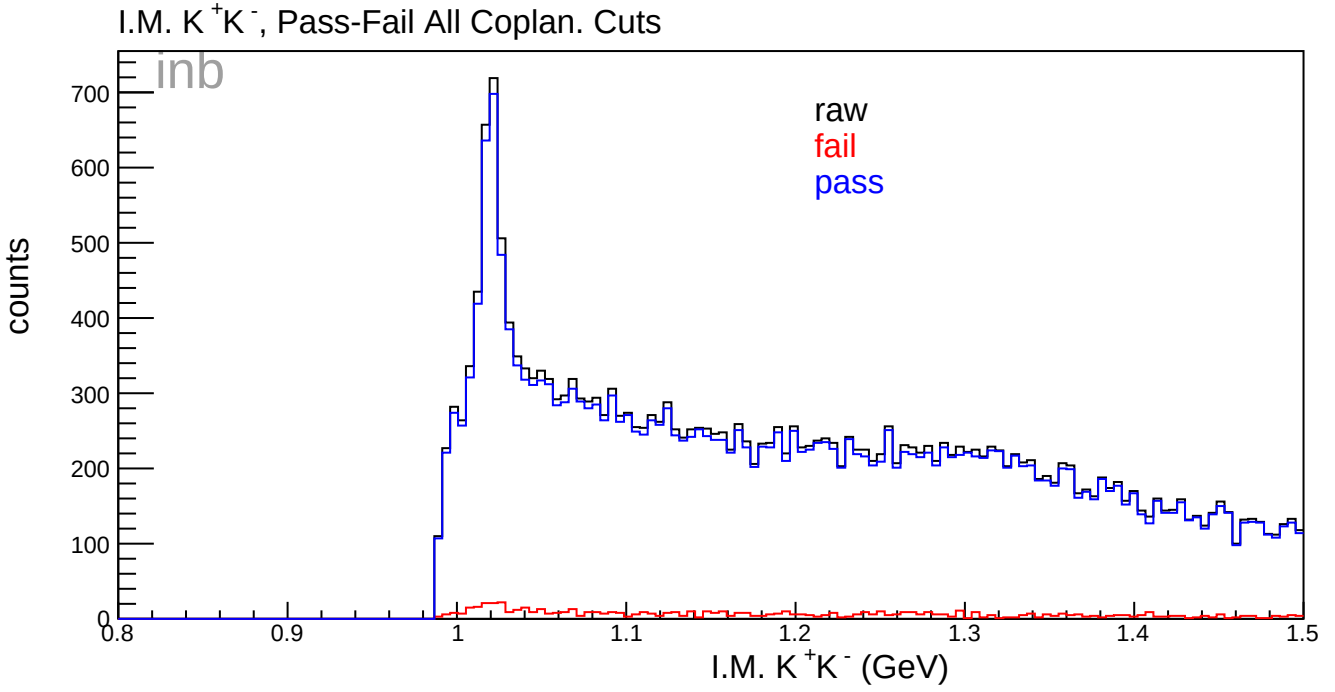

I.M. K+K-, Pass-Fail Coplan. θpr<9 deg Cuts
outb
raw
fail
pass
counts
I.M. K+K- (GeV)

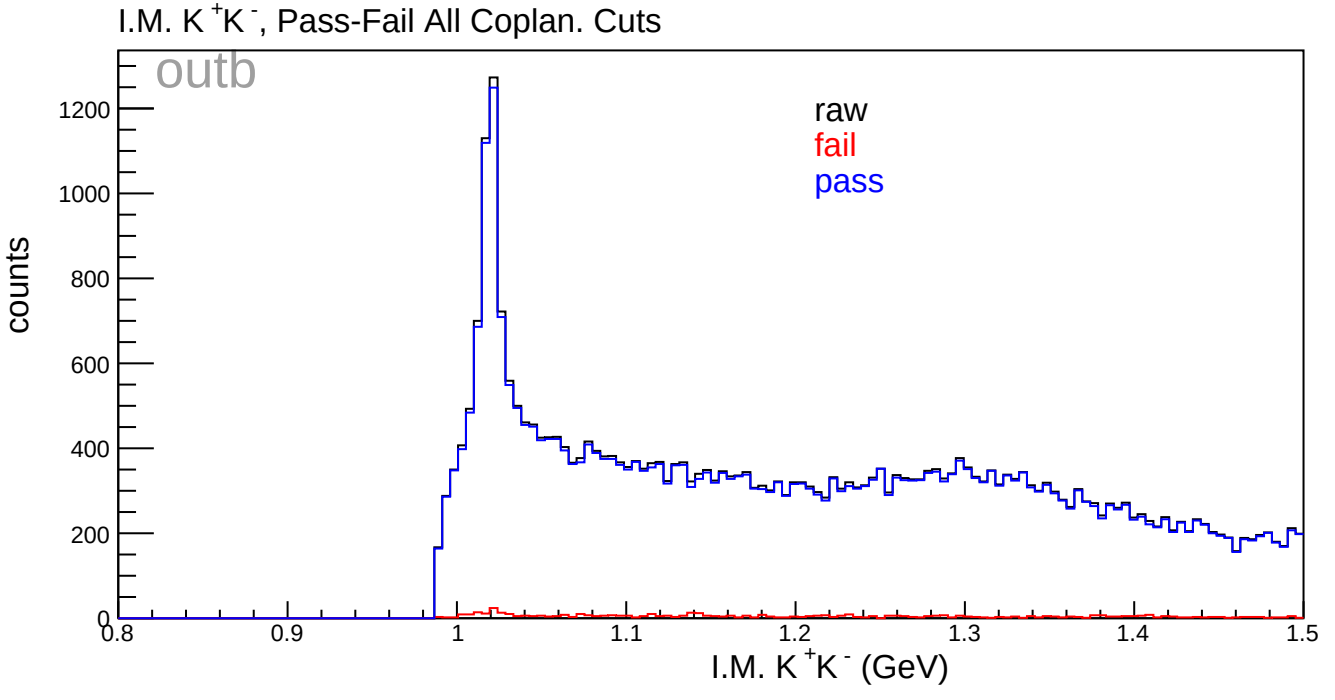

I.M. K+K-, Pass-Fail Coplan. θK+<9 deg Cuts
inb
raw
fail
pass
counts
I.M. K+K- (GeV)

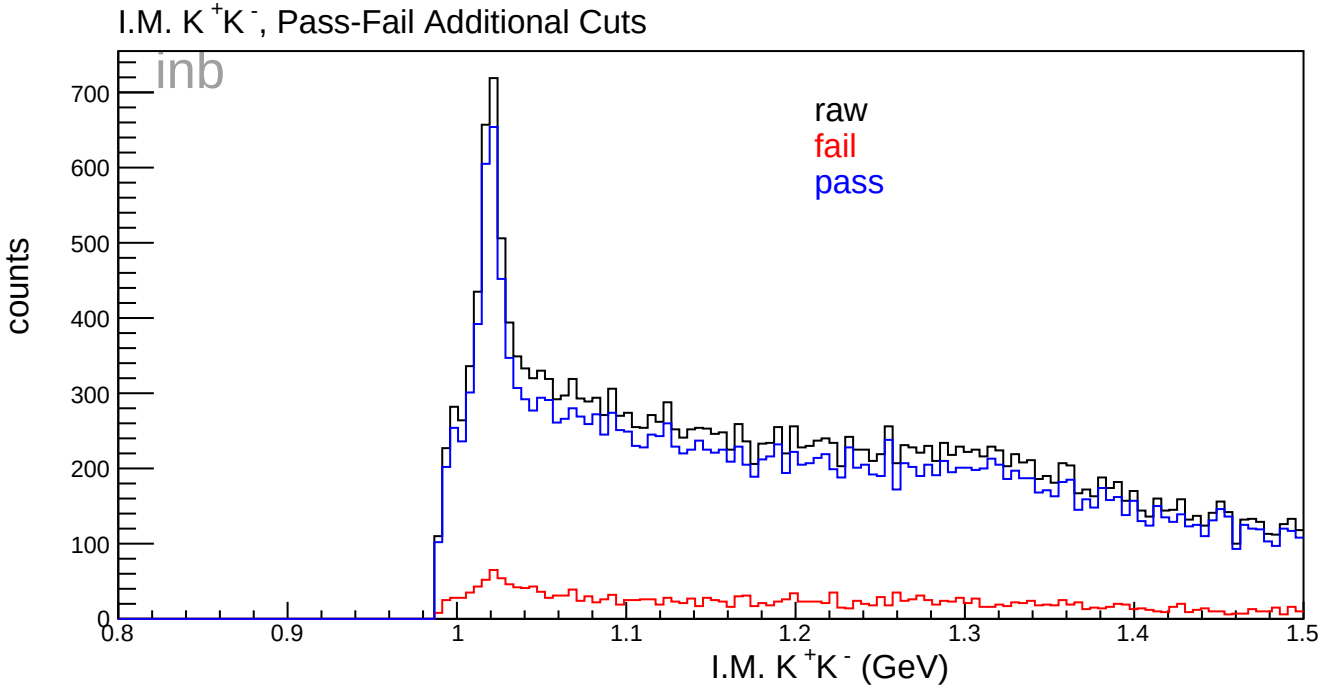

I.M. K+K-, Pass-Fail Coplan. θK+<9 deg Cuts
outb
raw
fail
pass
counts
I.M. K+K- (GeV)

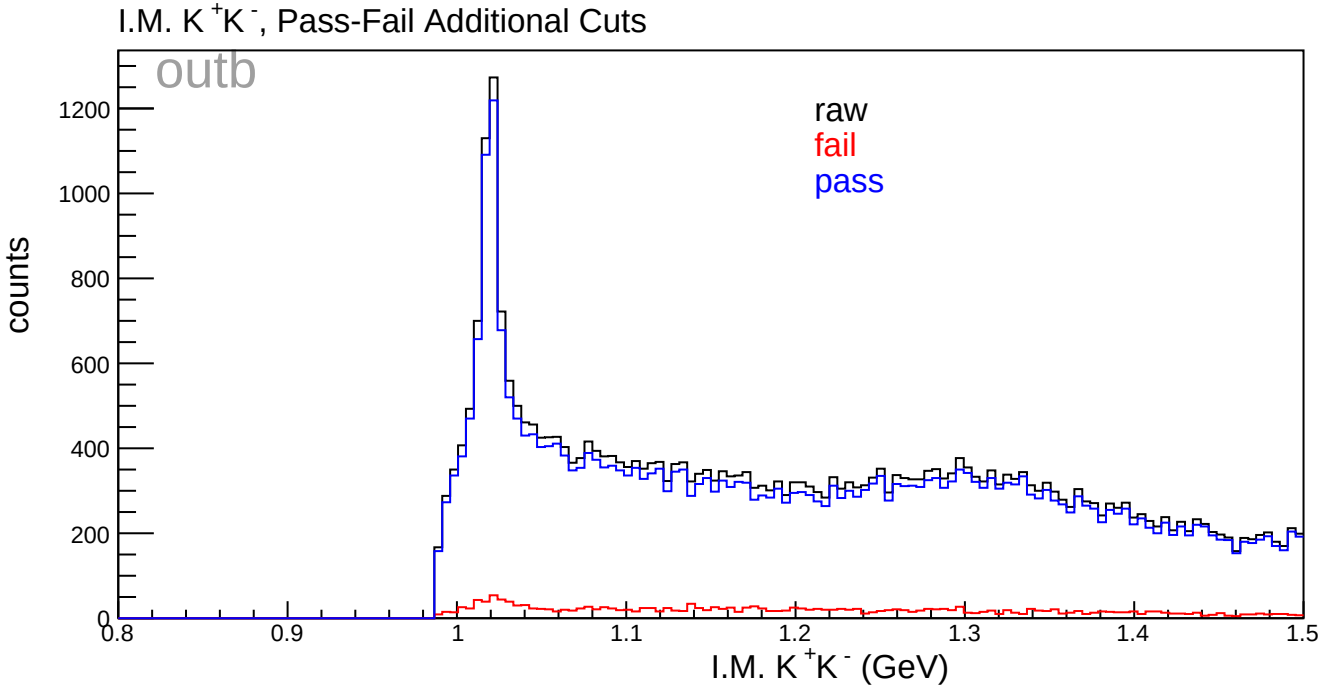

I.M. K+K-, Pass-Fail Coplan. θK-<9 deg Cuts
inb
raw
fail
pass
counts
I.M. K+K- (GeV)


I.M. K+K-, Pass-Fail Coplan. θK-<9 deg Cuts
outb
raw
fail
pass
counts
I.M. K+K- (GeV)


I.M. K+K-, Pass-Fail All Coplan. Cuts
inb
raw
fail
pass
counts
I.M. K+K- (GeV)


I.M. K+K-, Pass-Fail All Coplan. Cuts
outb
raw
fail
pass
counts
I.M. K+K- (GeV)


I.M. K+K-, Pass-Fail Additional Cuts
inb
raw
fail
pass
counts
I.M. K+K- (GeV)


I.M. K+K-, Pass-Fail Additional Cuts
outb
raw
fail
pass
counts
I.M. K+K- (GeV)