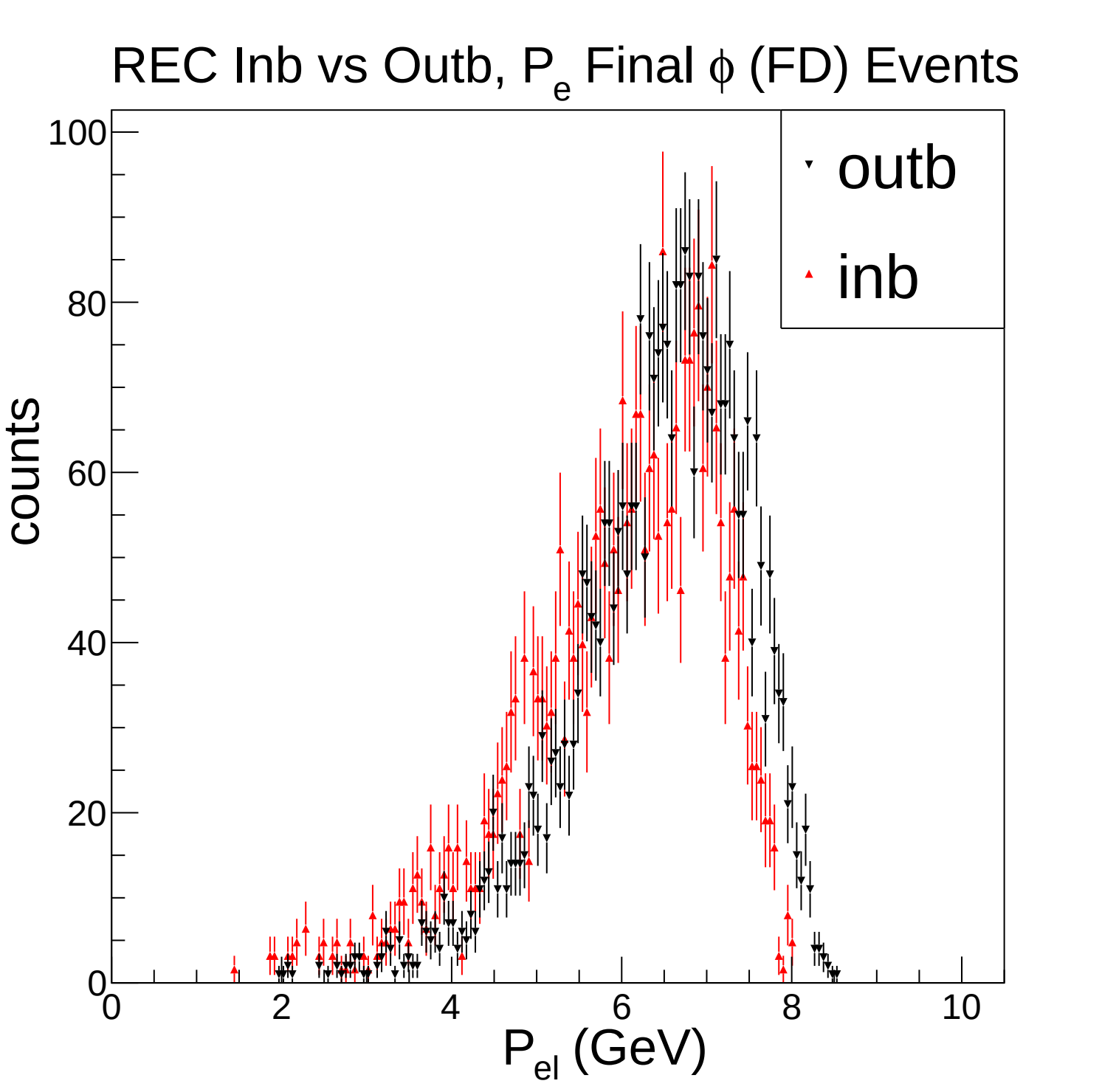
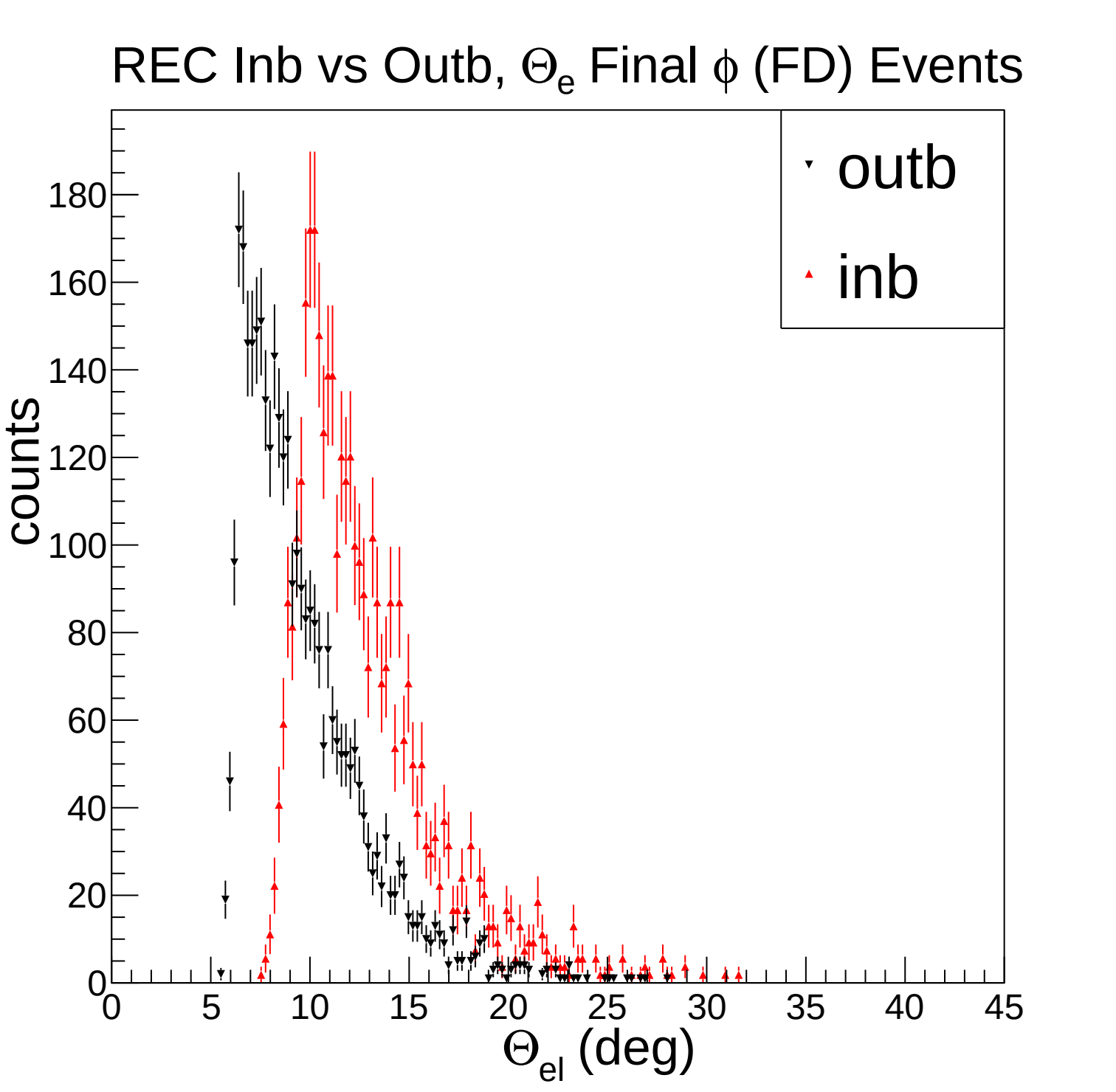
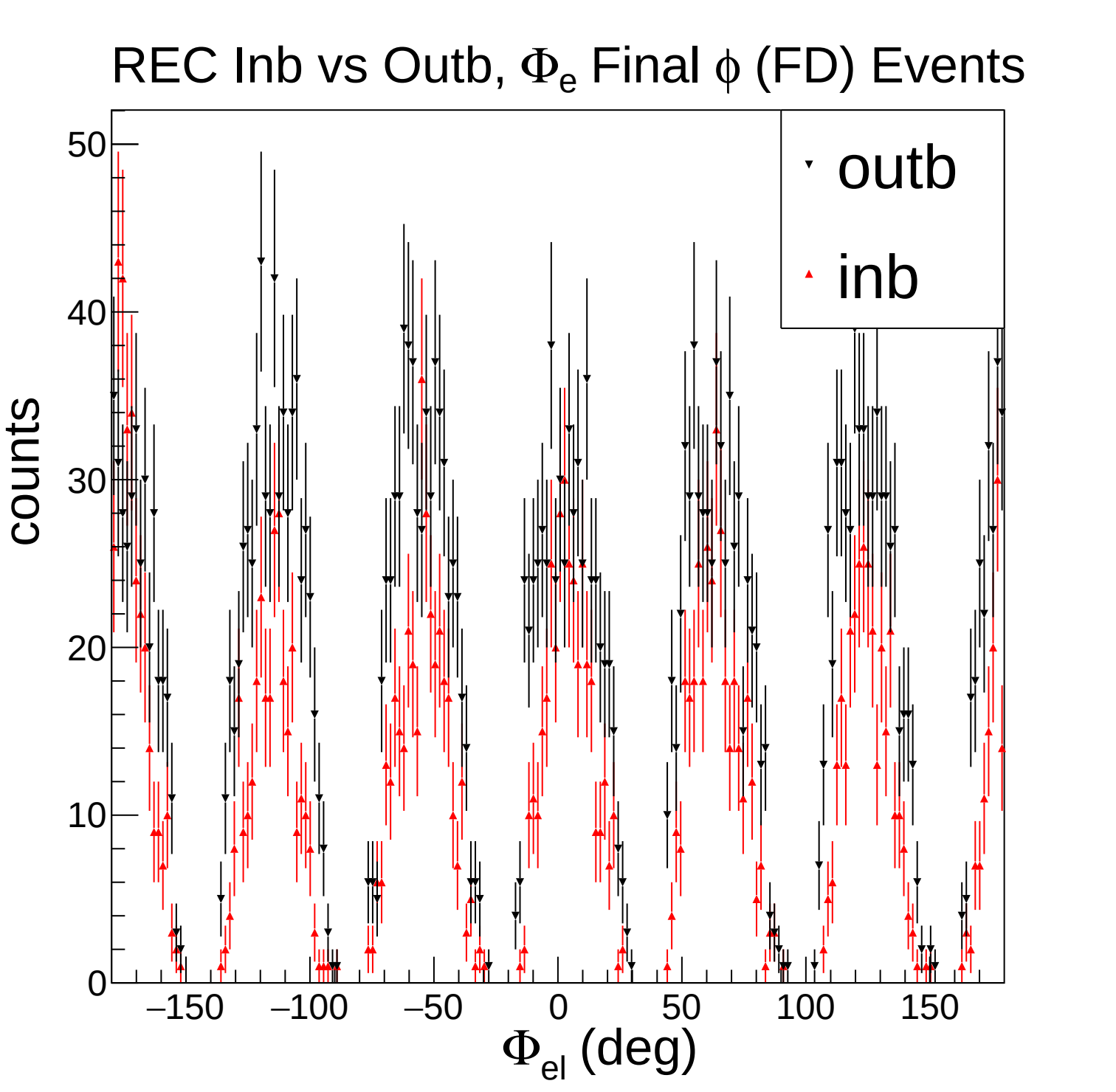
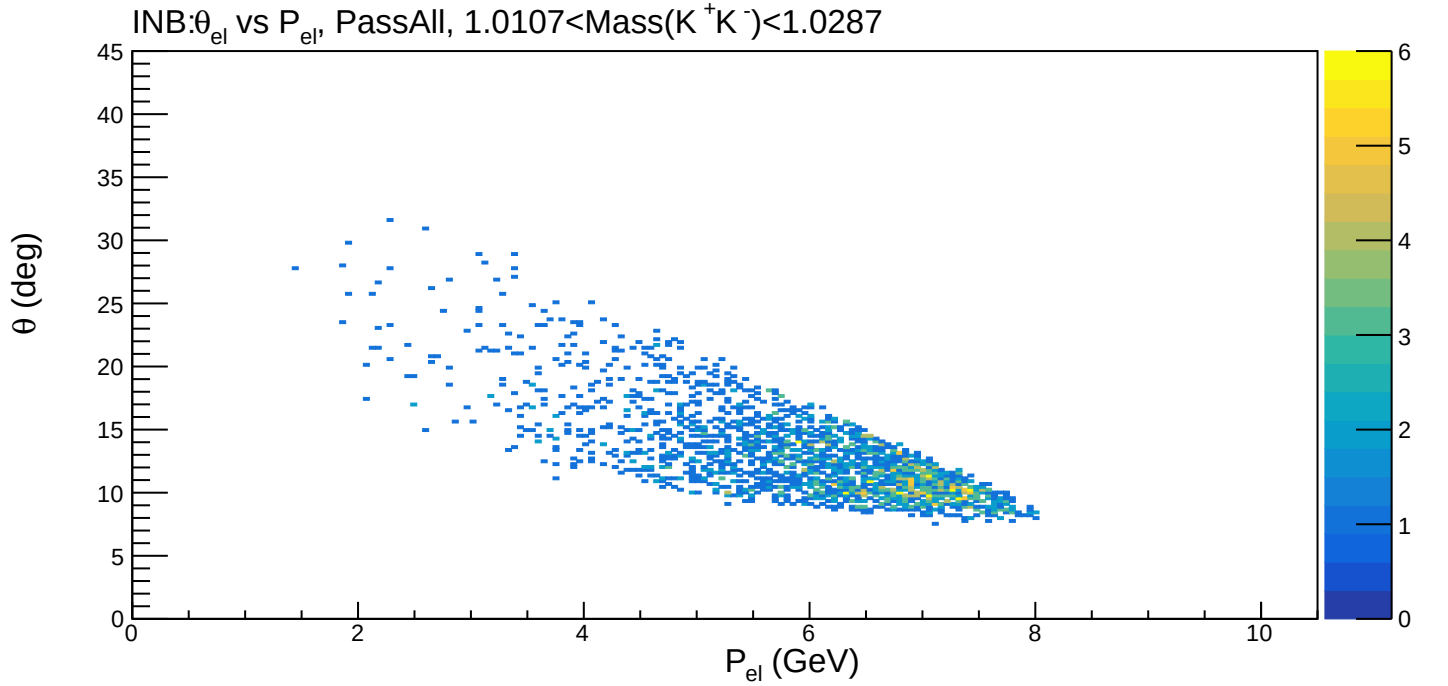
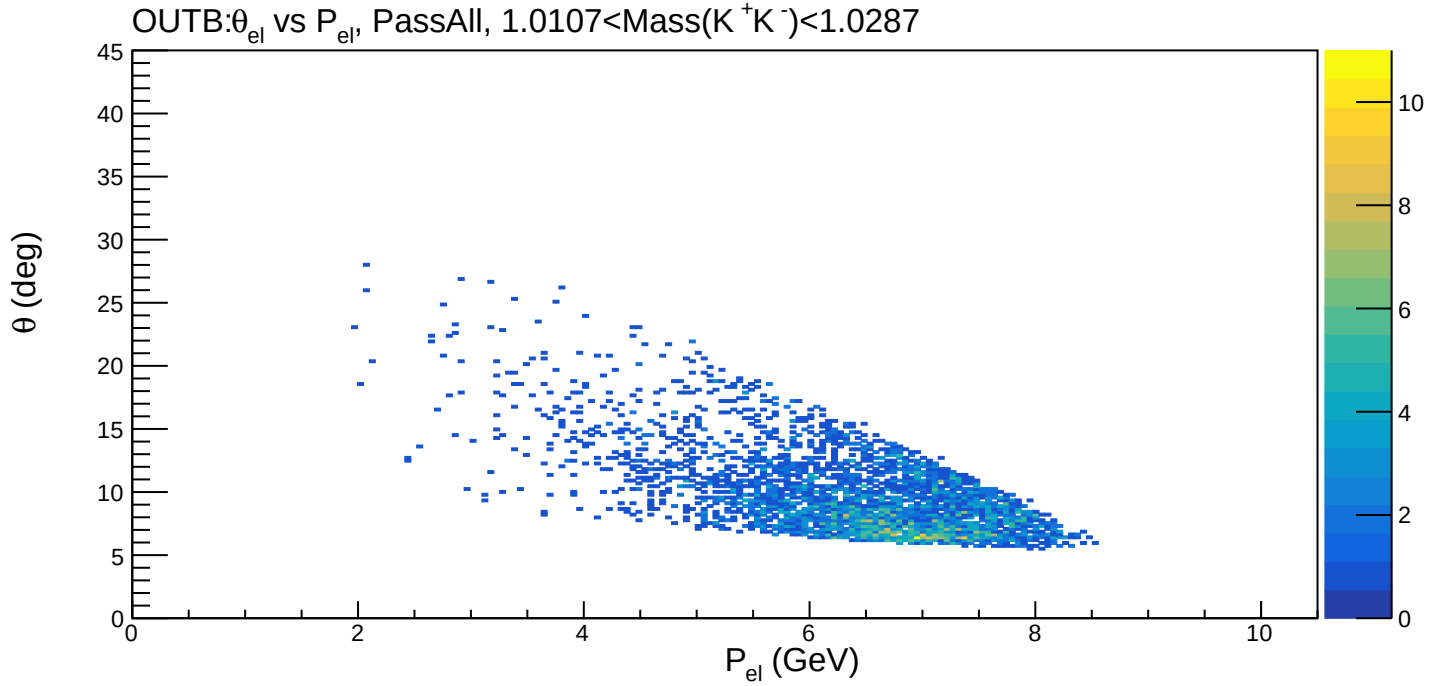
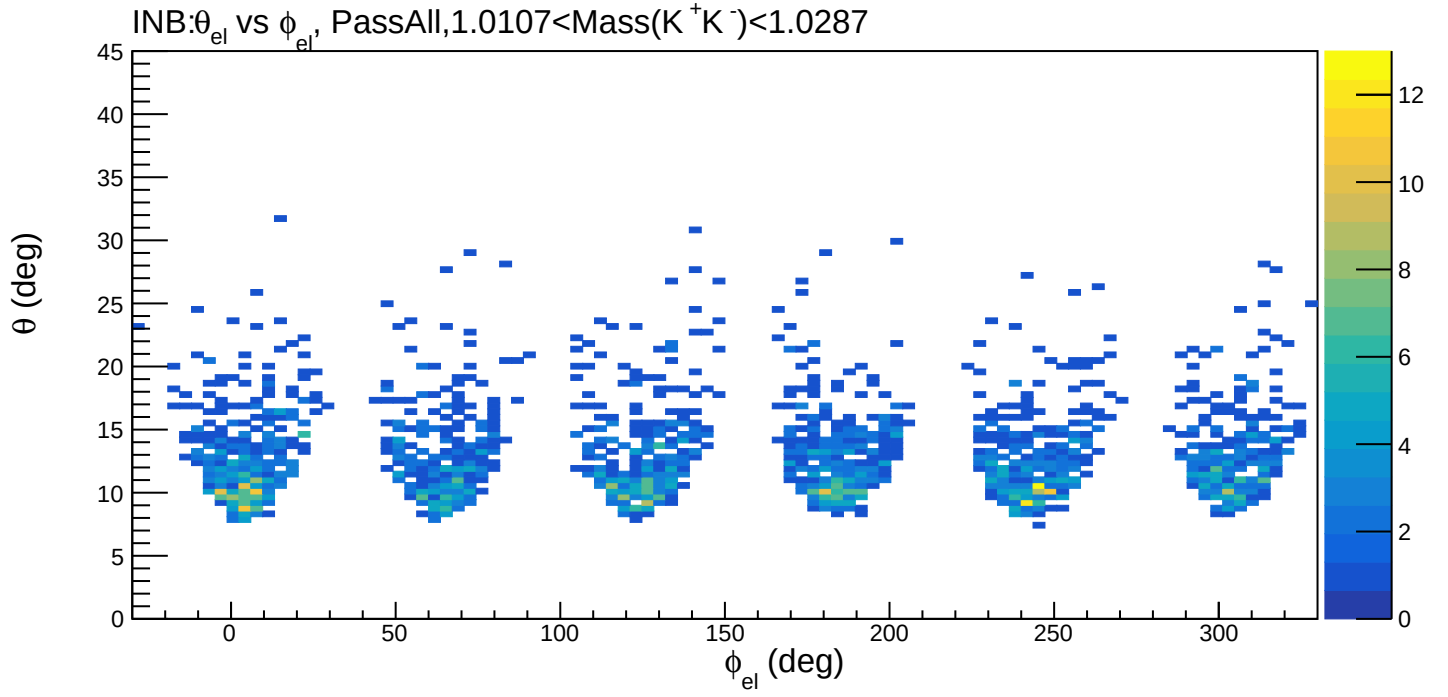

REC Inb vs Outb, P_e Final ϕ (FD) Events
outb
inb
counts
P_el (GeV)
0
20
40
60
80
100
0
2
4
6
8
10

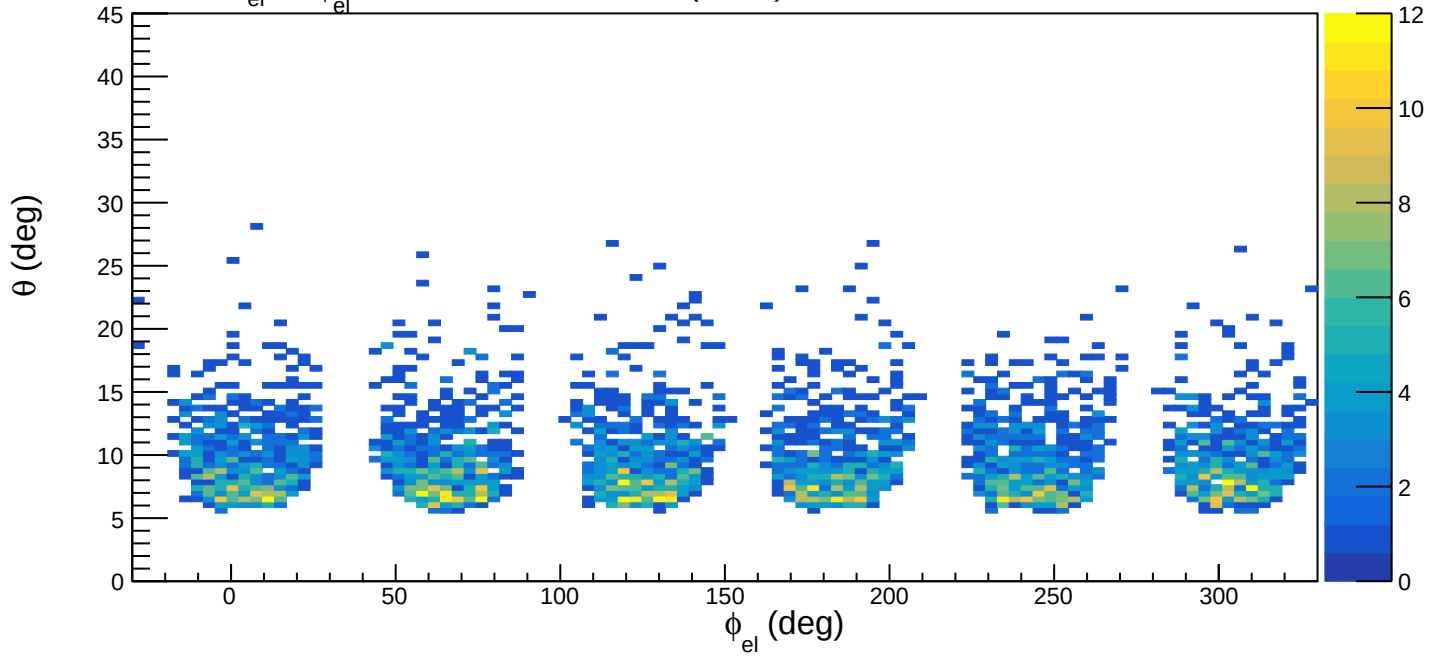

REC Inb vs Outb, Θe Final ϕ (FD) Events
outb
inb
counts
Θel (deg)
0
20
40
60
80
100
120
140
160
180
0
5
10
15
20
25
30
35
40
45

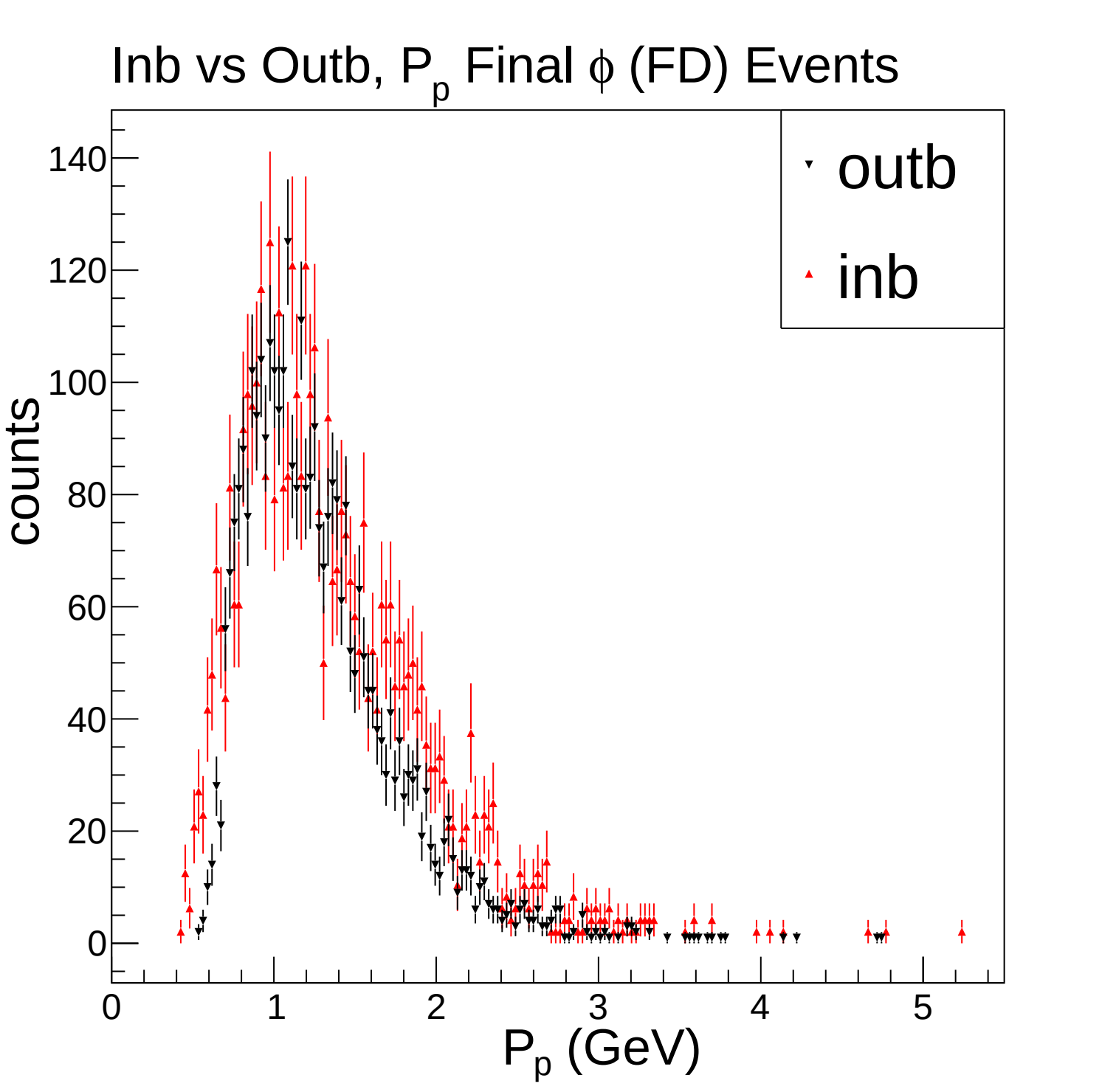

REC Inb vs Outb, Φ_e Final ϕ (FD) Events
outb
inb
counts
0
10
20
30
40
50
–150
–100
–50
0
50
100
150
Φ_{el} (deg)

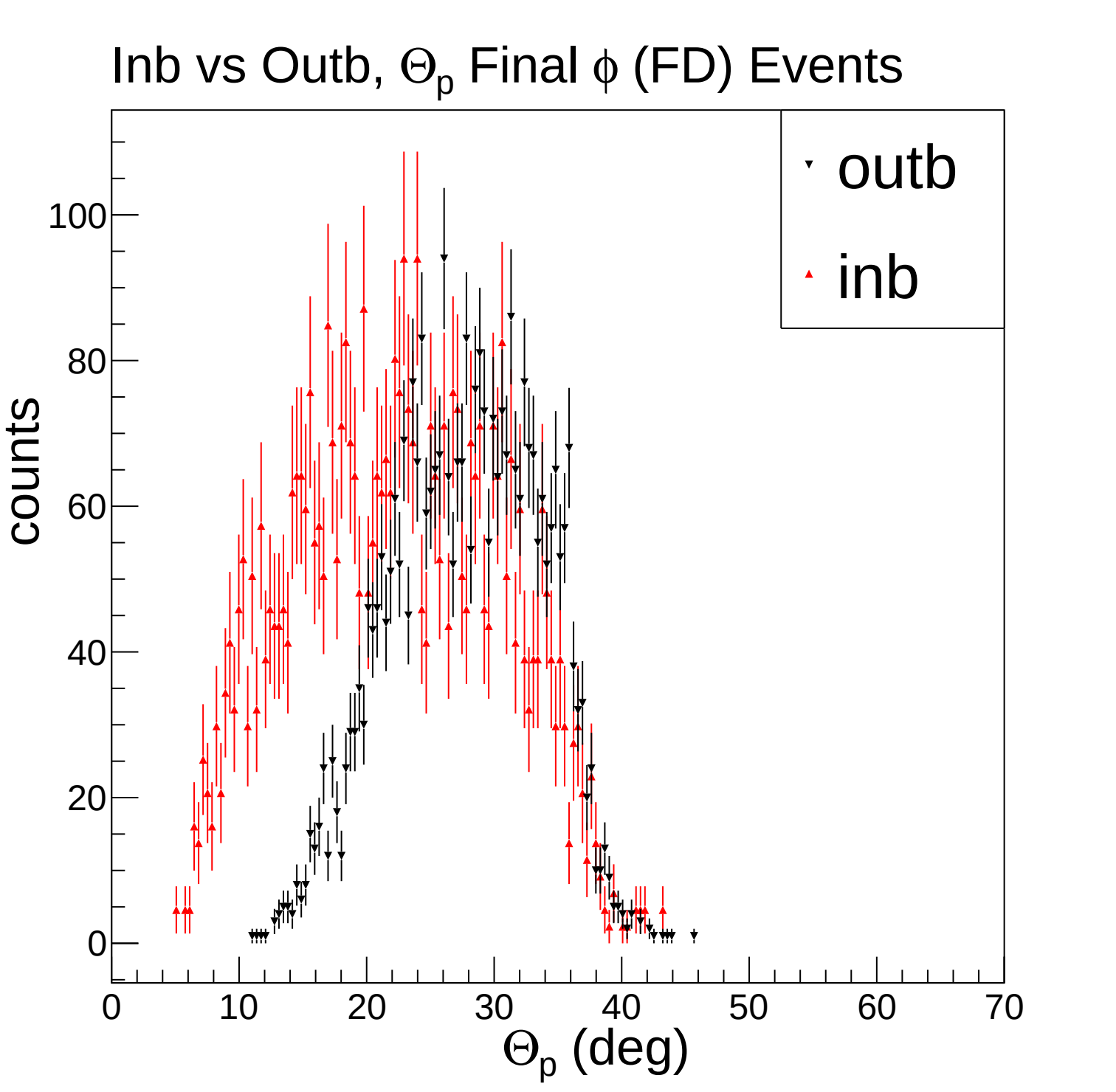

INB:θel vs Pel, PassAll, 1.0107<Mass(K+K-)<1.0287
θ (deg)
Pel (GeV)
0
5
10
15
20
25
30
35
40
45
0
2
4
6
8
10
0
1
2
3
4
5
6

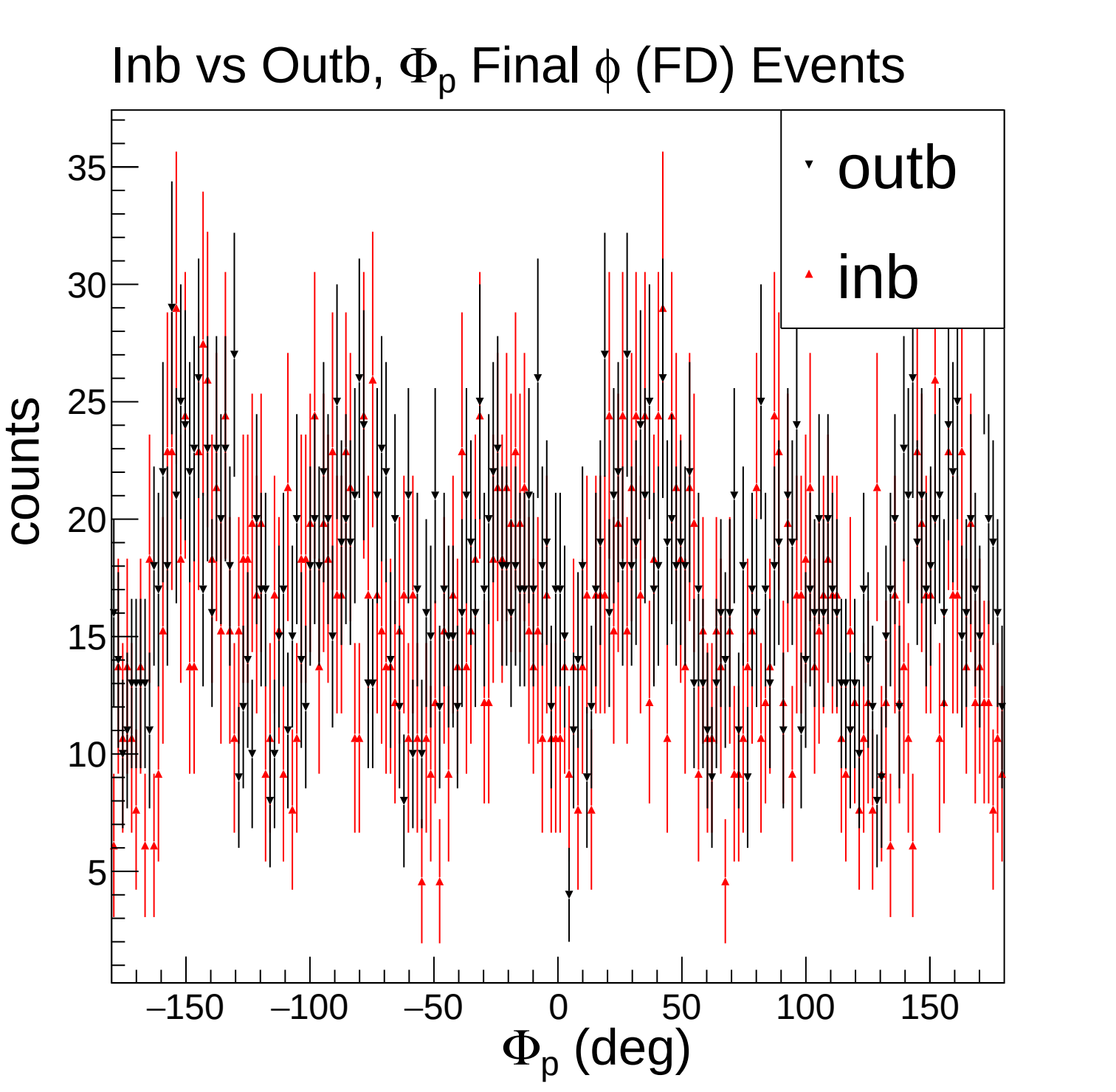

OUTB:θel vs Pel, PassAll, 1.0107<Mass(K+K-)<1.0287
θ (deg)
Pel (GeV)
0
5
10
15
20
25
30
35
40
45
0
2
4
6
8
10
0
2
4
6
8
10

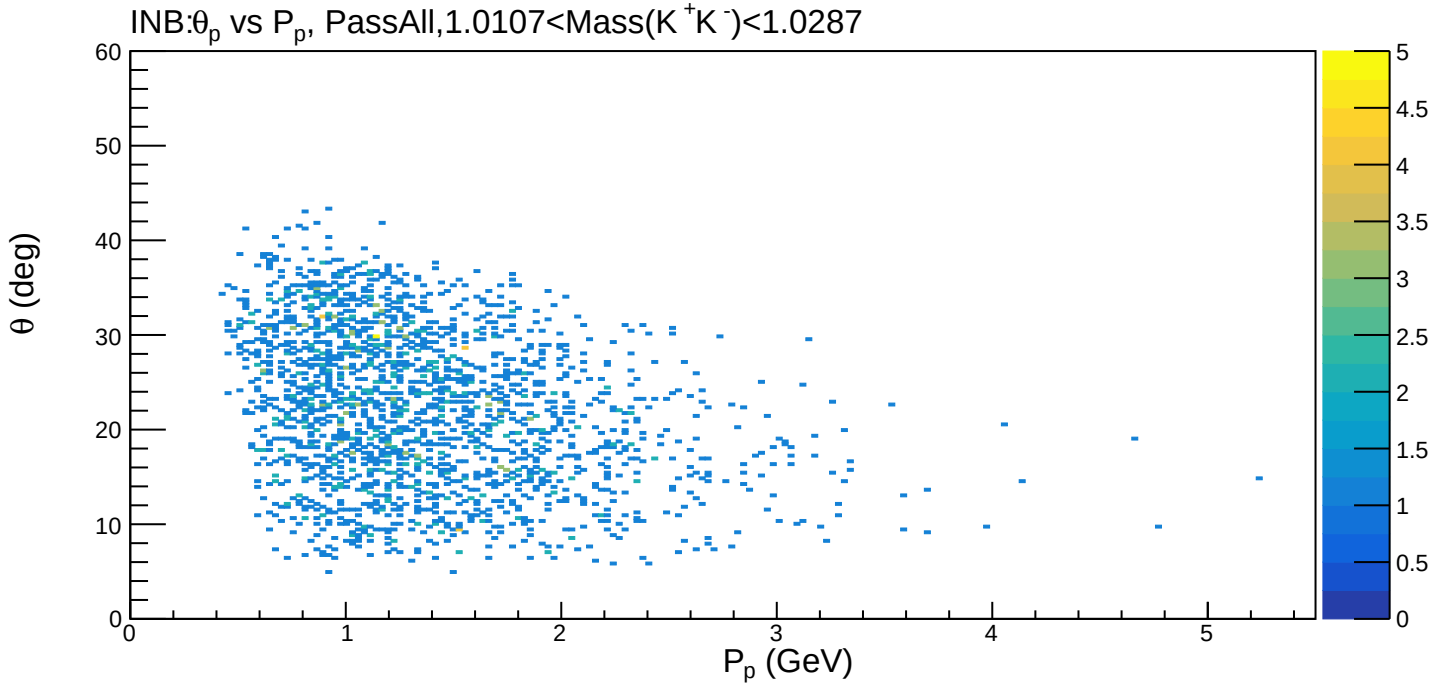

INB:θel vs ϕel, PassAll,1.0107<Mass(K+K-)<1.0287
θ (deg)
ϕel (deg)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
0
2
4
6
8
10
12

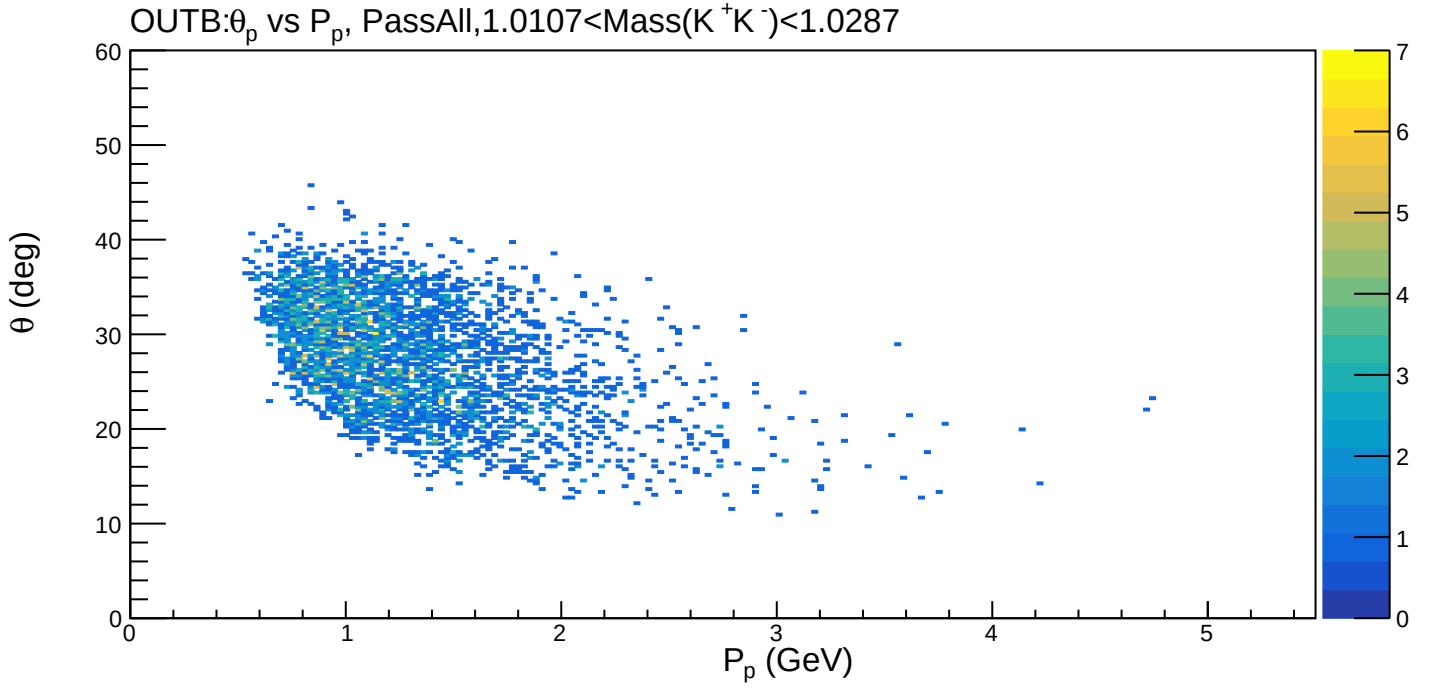

OUTB:θel vs ϕel, PassAll,1.0107<Mass(K+K-)<1.0287
θ (deg)
ϕel (deg)
0
5
10
15
20
25
30
35
40
45
0
50
100
150
200
250
300
0
2
4
6
8
10
12

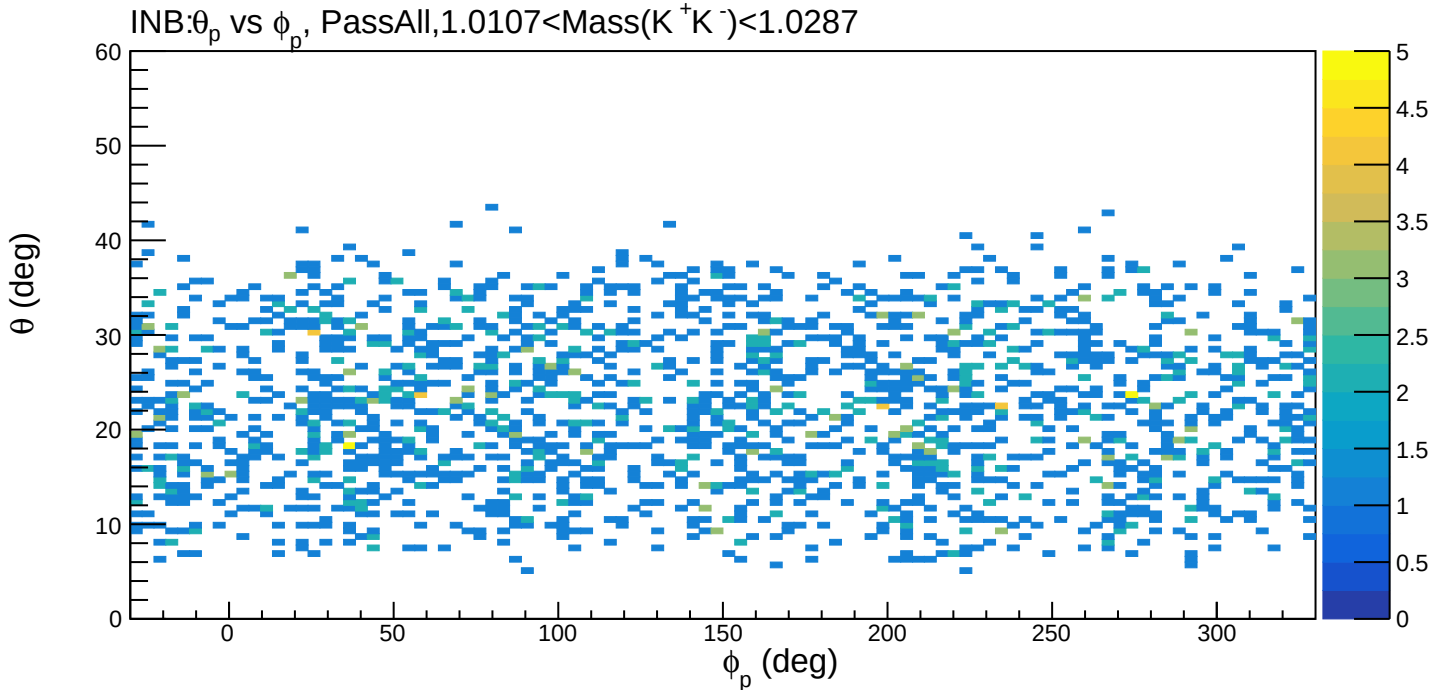

Inb vs Outb, P_p Final ϕ (FD) Events
outb
inb
counts
P_p (GeV)
0
20
40
60
80
100
120
140
0
1
2
3
4
5

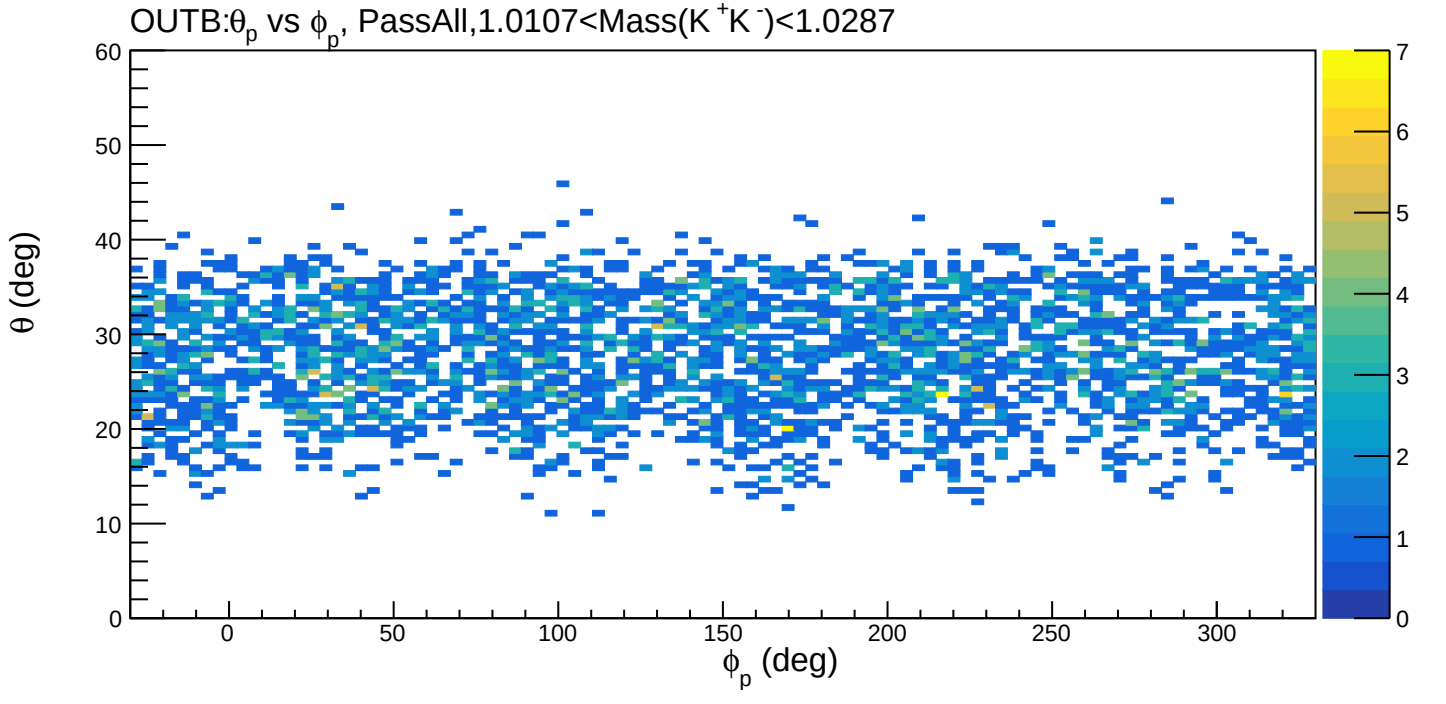

Inb vs Outb, Θp Final ϕ (FD) Events
outb
inb
counts
0
20
40
60
80
100
0
10
20
30
40
50
60
70
Θp (deg)

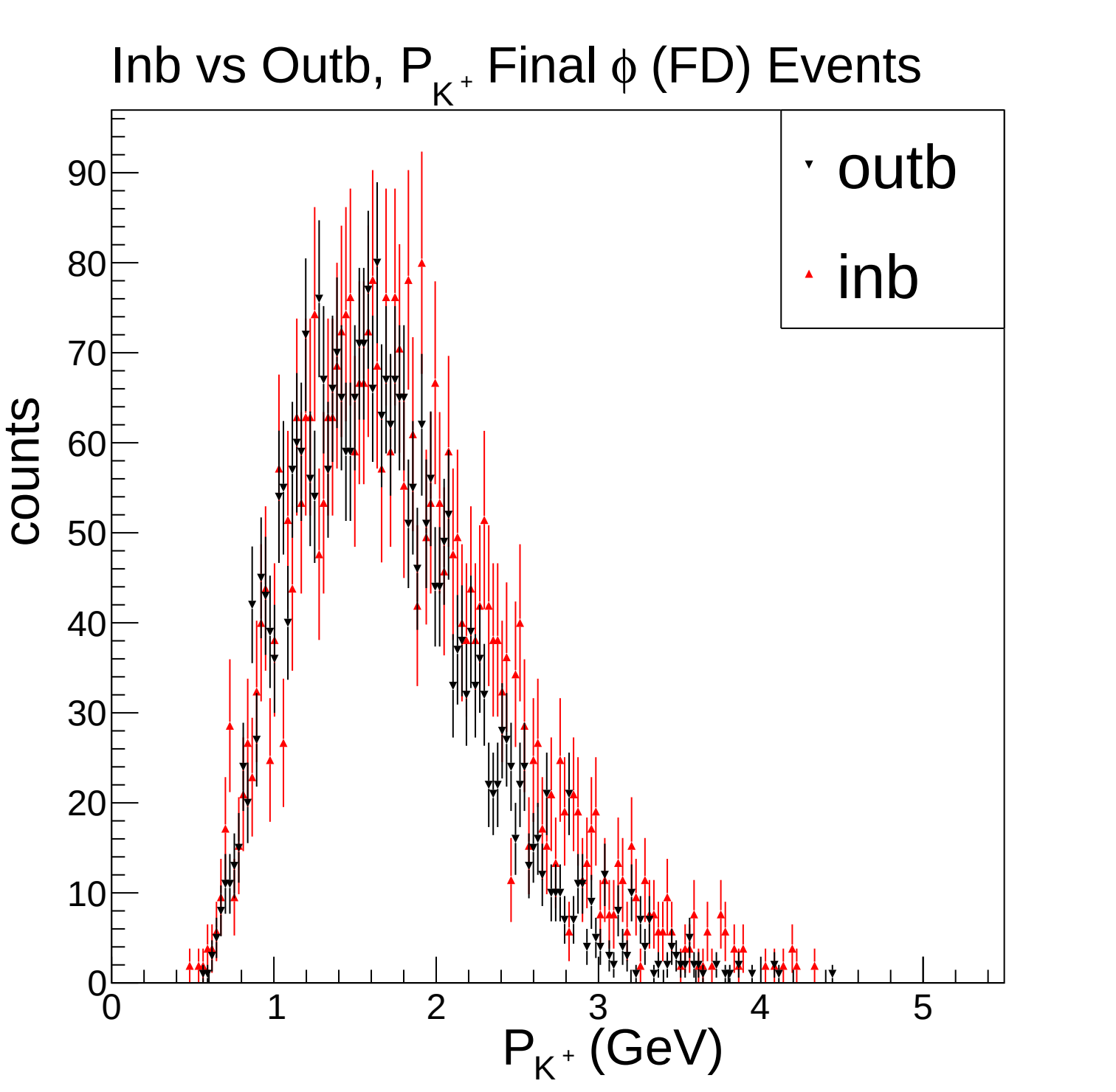

Inb vs Outb, Φ_p Final ϕ (FD) Events
outb
inb
counts
35
30
25
20
15
10
5
–150
–100
–50
0
50
100
150
Φ_p (deg)

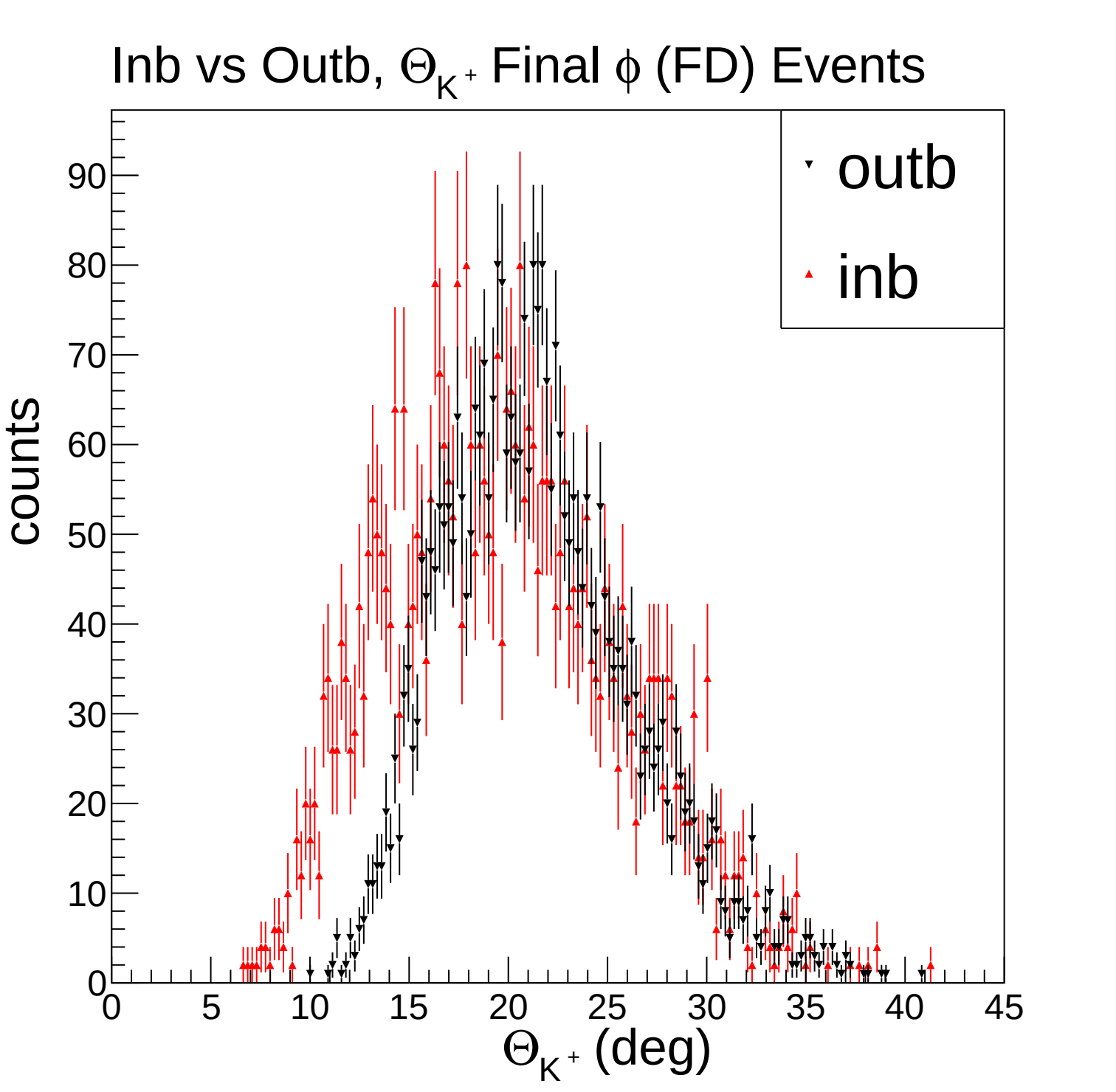

INB:θp vs Pp, PassAll,1.0107<Mass(K+K-)<1.0287
θ (deg)
Pp (GeV)

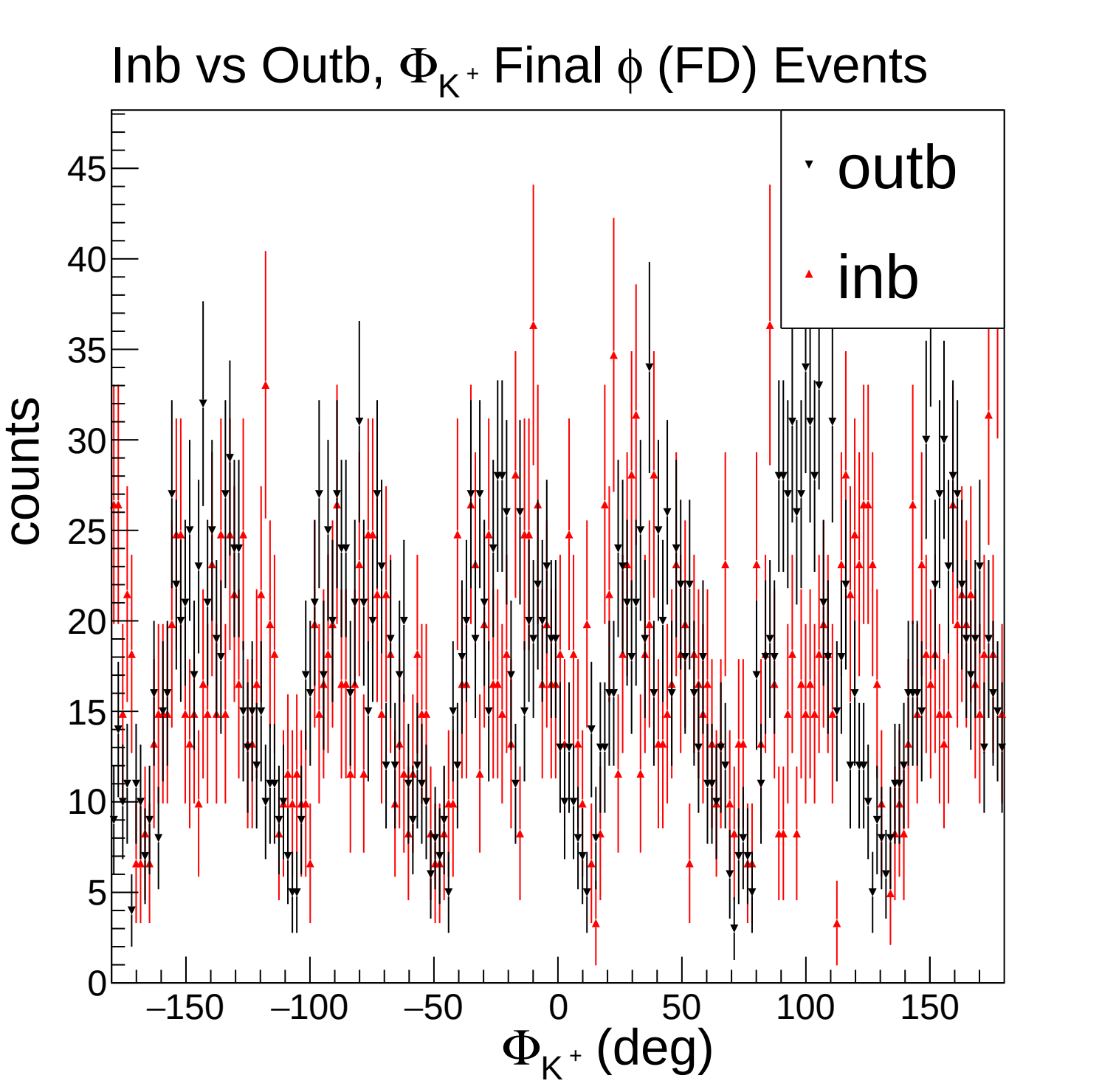

OUTB:θp vs Pp, PassAll,1.0107<Mass(K+K-)<1.0287
θ (deg)
Pp (GeV)

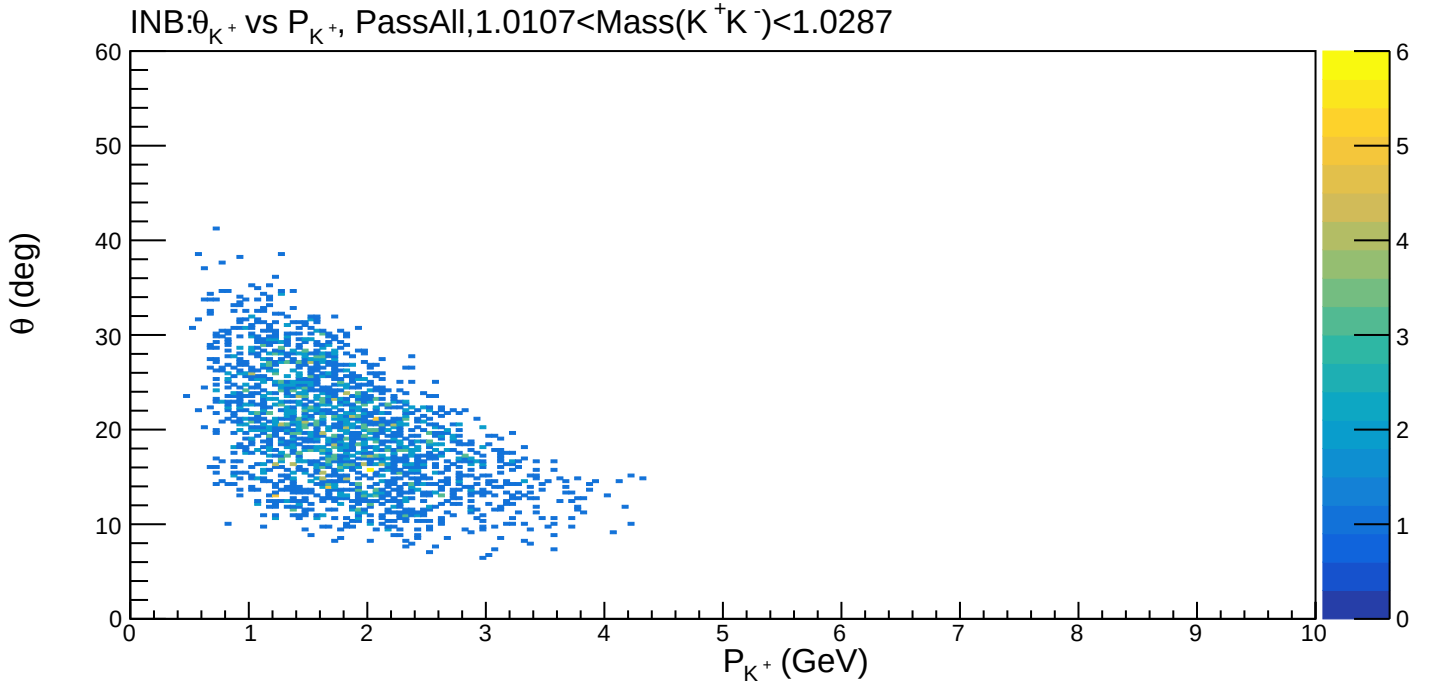

INB:θp vs ϕp, PassAll,1.0107<Mass(K+K-)<1.0287
θ (deg)
ϕp (deg)
0
10
20
30
40
50
60
0
50
100
150
200
250
300
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

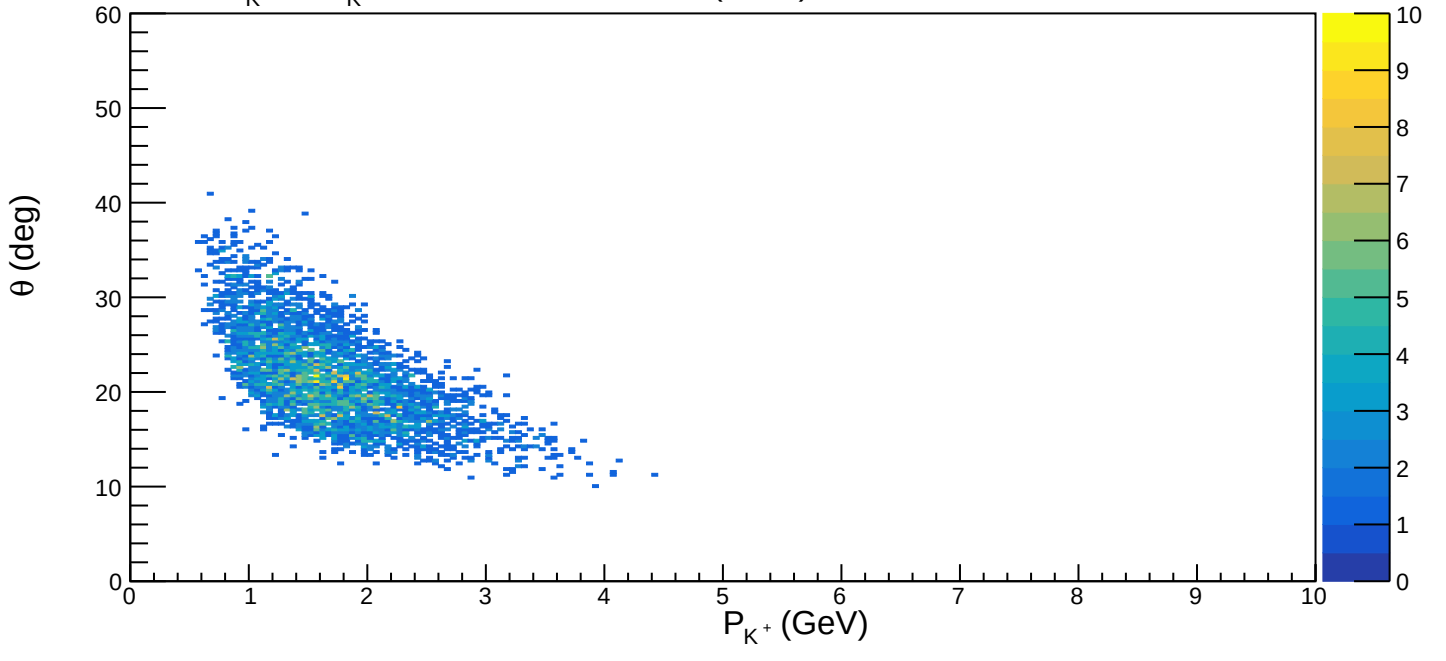

OUTB:θp vs ϕp, PassAll,1.0107<Mass(K+K-)<1.0287
θ (deg)
ϕp (deg)
0
10
20
30
40
50
60
0
50
100
150
200
250
300
0
1
2
3
4
5
6
7

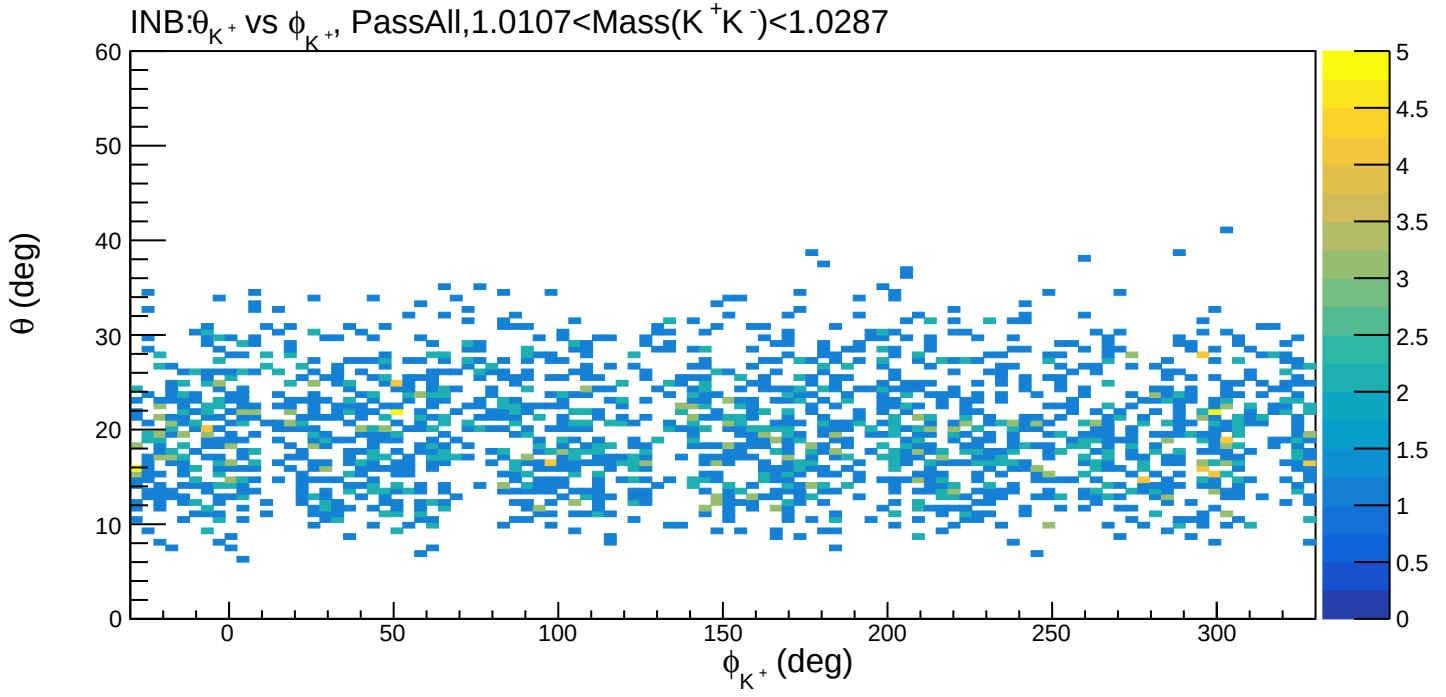

Inb vs Outb, P_{K^+} Final ϕ (FD) Events
outb
inb
counts
P_{K^+} (GeV)
0
10
20
30
40
50
60
70
80
90
0
1
2
3
4
5

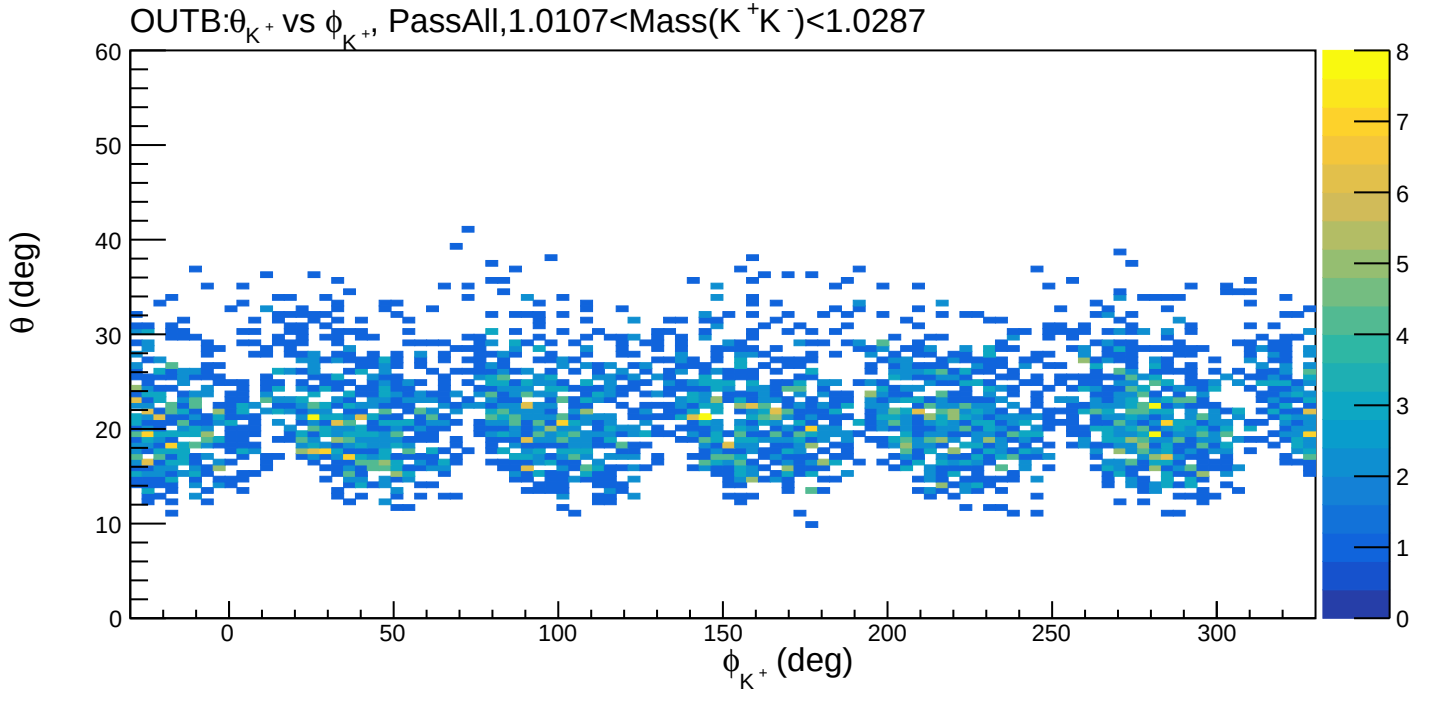

Inb vs Outb, Θ_{K^+} Final ϕ (FD) Events
outb
inb
counts
Θ_{K^+} (deg)
0
10
20
30
40
50
60
70
80
90
0
5
10
15
20
25
30
35
40
45

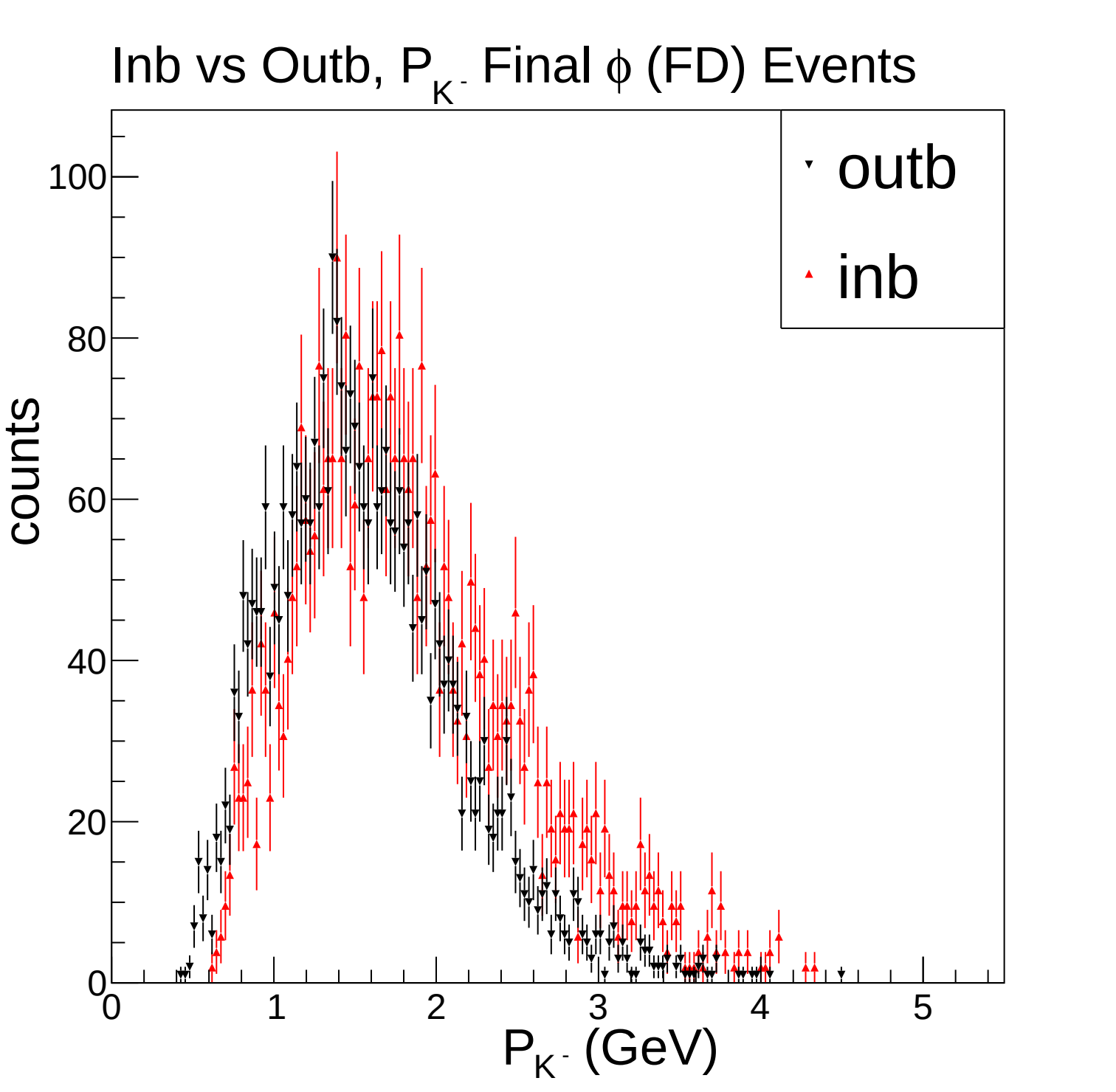

Inb vs Outb, Φ_{K^+} Final ϕ (FD) Events
outb
inb
counts
0
5
10
15
20
25
30
35
40
45
–150
–100
–50
0
50
100
150
Φ_{K^+} (deg)

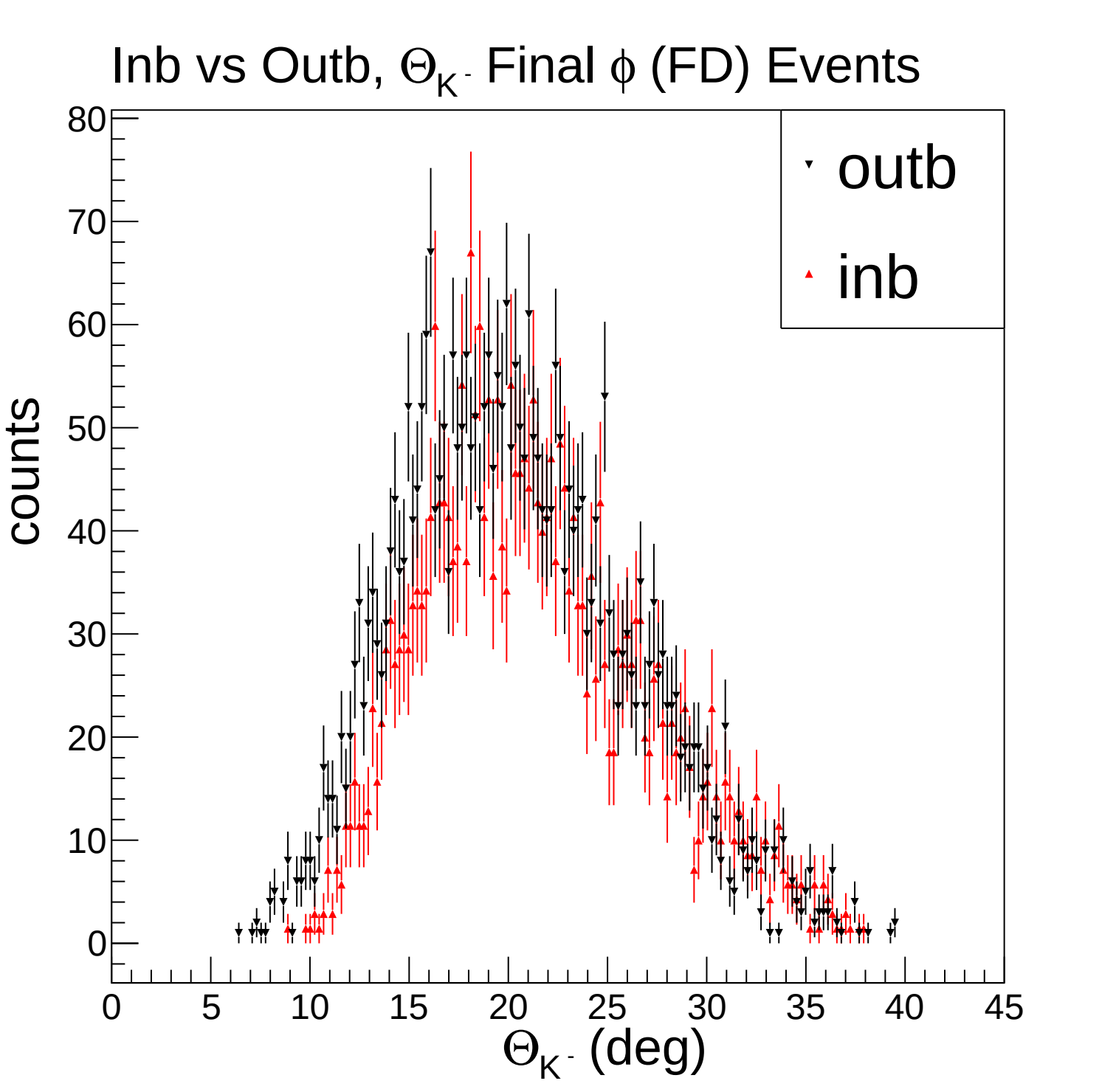

INB:θ$_{K^+}$ vs P$_{K^+}$, PassAll,1.0107<Mass(K$^+$K$^-$)<1.0287
θ (deg)
P$_{K^+}$ (GeV)

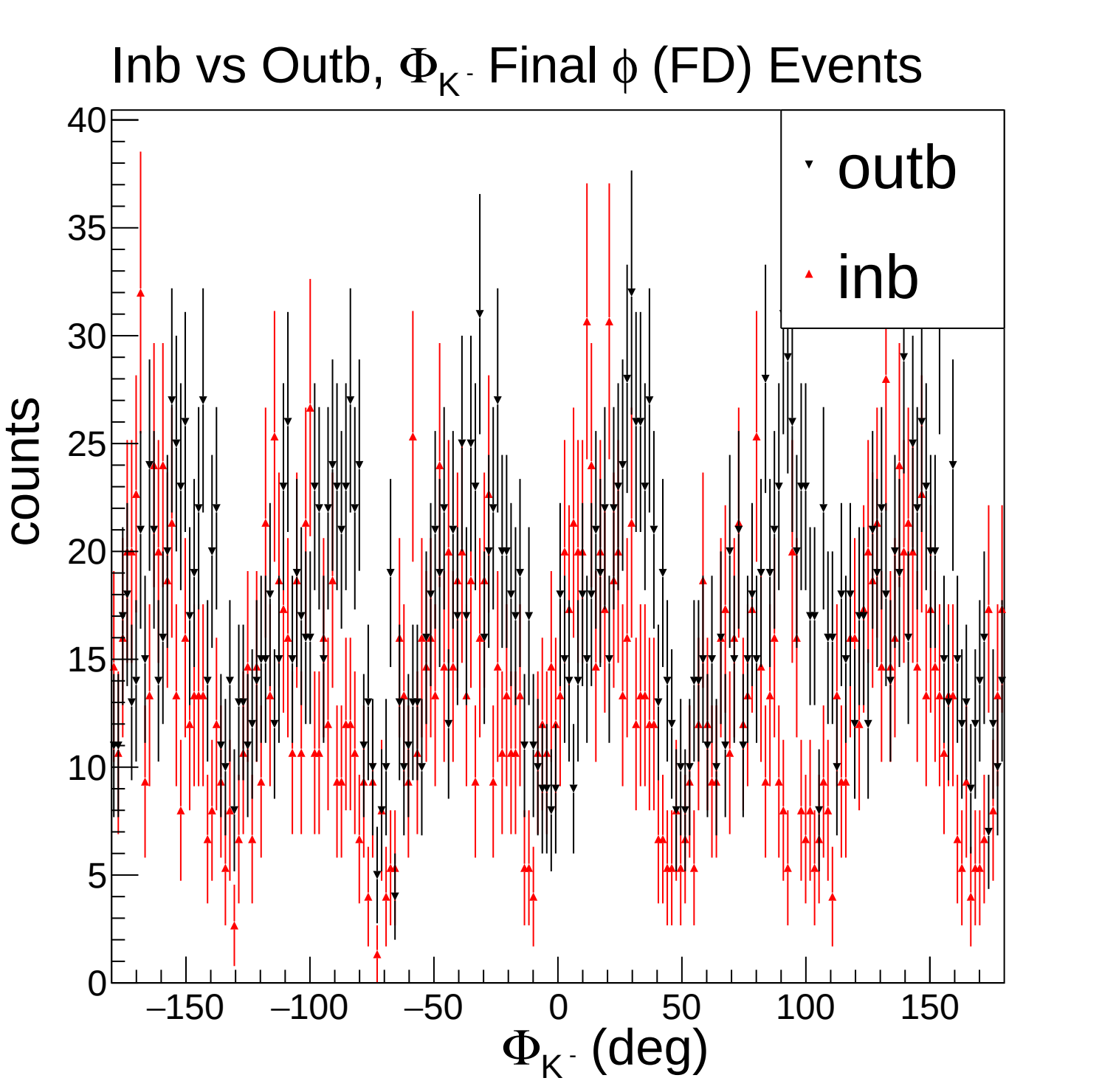

OUTB:θ$_{K^+}$ vs P$_{K^+}$, PassAll,1.0107<Mass(K$^+$K$^-$)<1.0287
θ (deg)
P$_{K^+}$ (GeV)

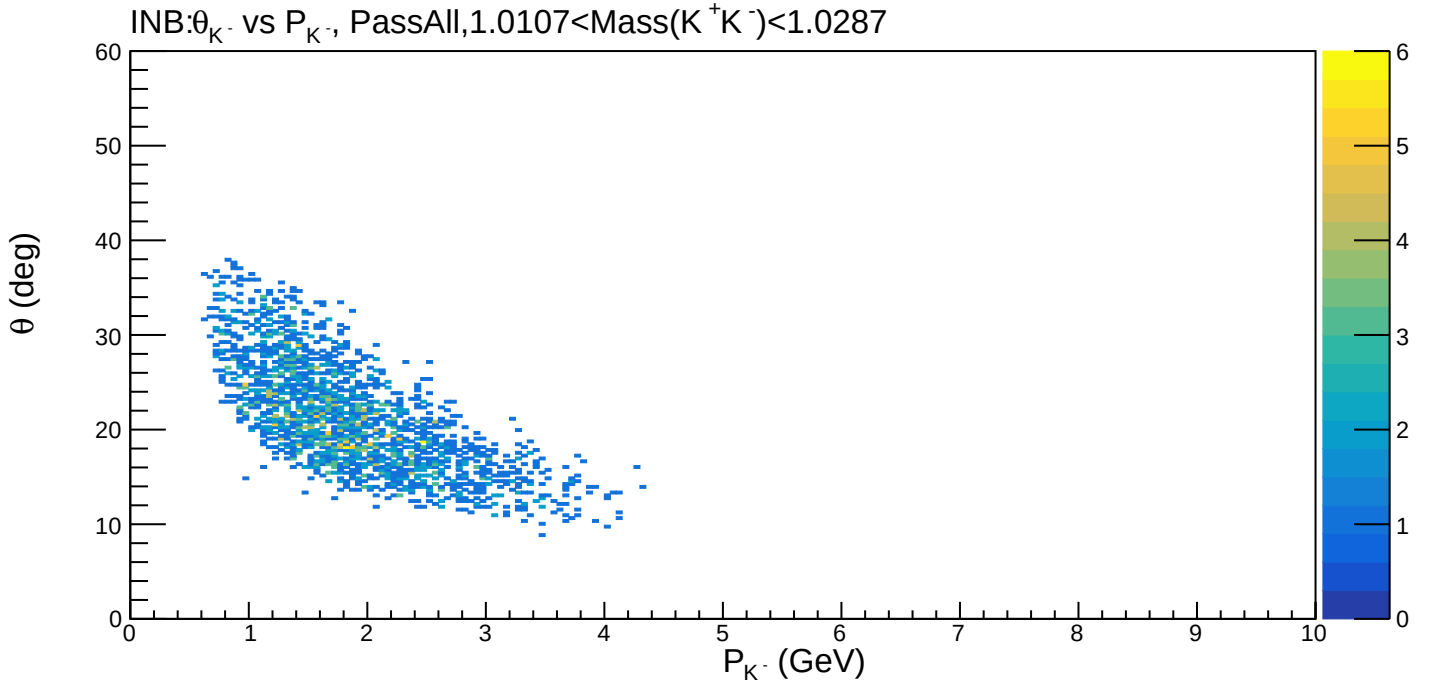

INB:θ$_{K^+}$ vs ϕ$_{K^+}$, PassAll,1.0107<Mass(K$^+$K$^-$)<1.0287
θ (deg)
ϕ$_{K^+}$ (deg)
0
10
20
30
40
50
60
0
50
100
150
200
250
300
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

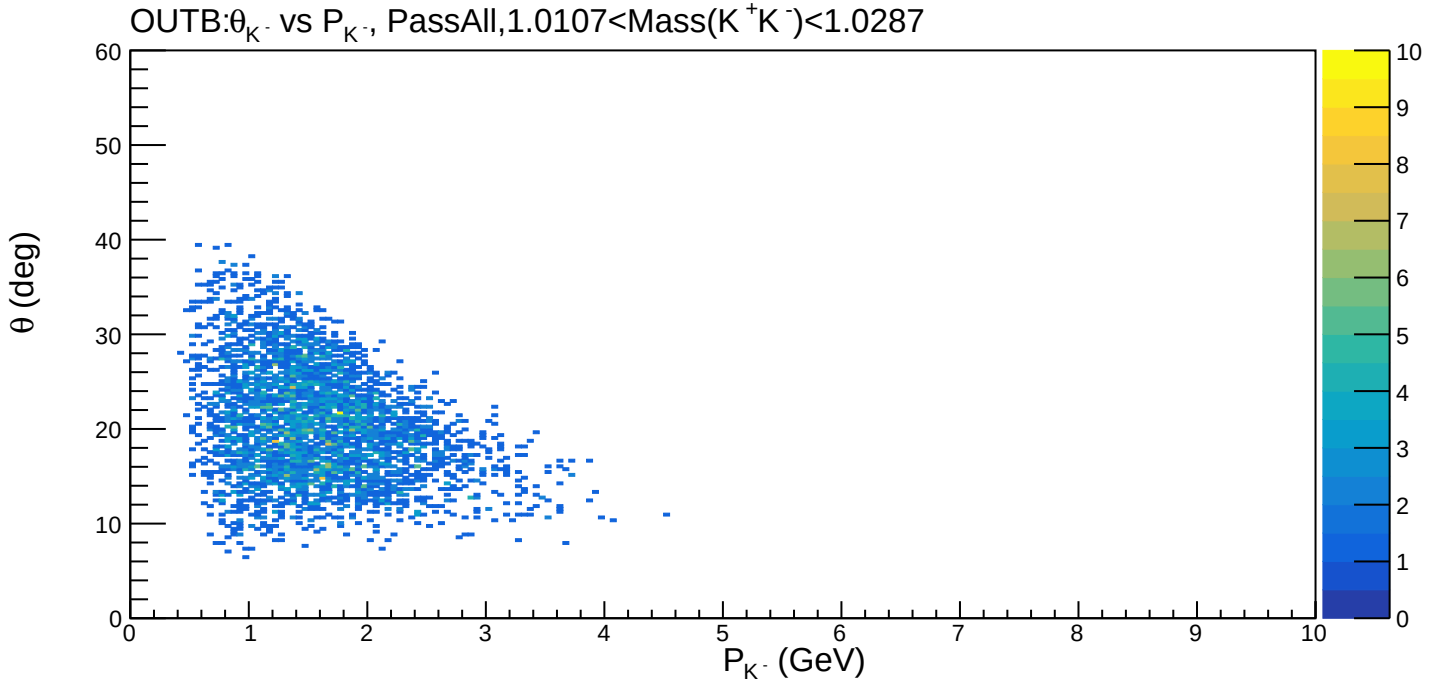

OUTB:θ$_{K^+}$ vs ϕ$_{K^+}$, PassAll,1.0107<Mass(K$^+$K$^-$)<1.0287
θ (deg)
ϕ$_{K^+}$ (deg)
0
10
20
30
40
50
60
0
50
100
150
200
250
300
0
1
2
3
4
5
6
7
8

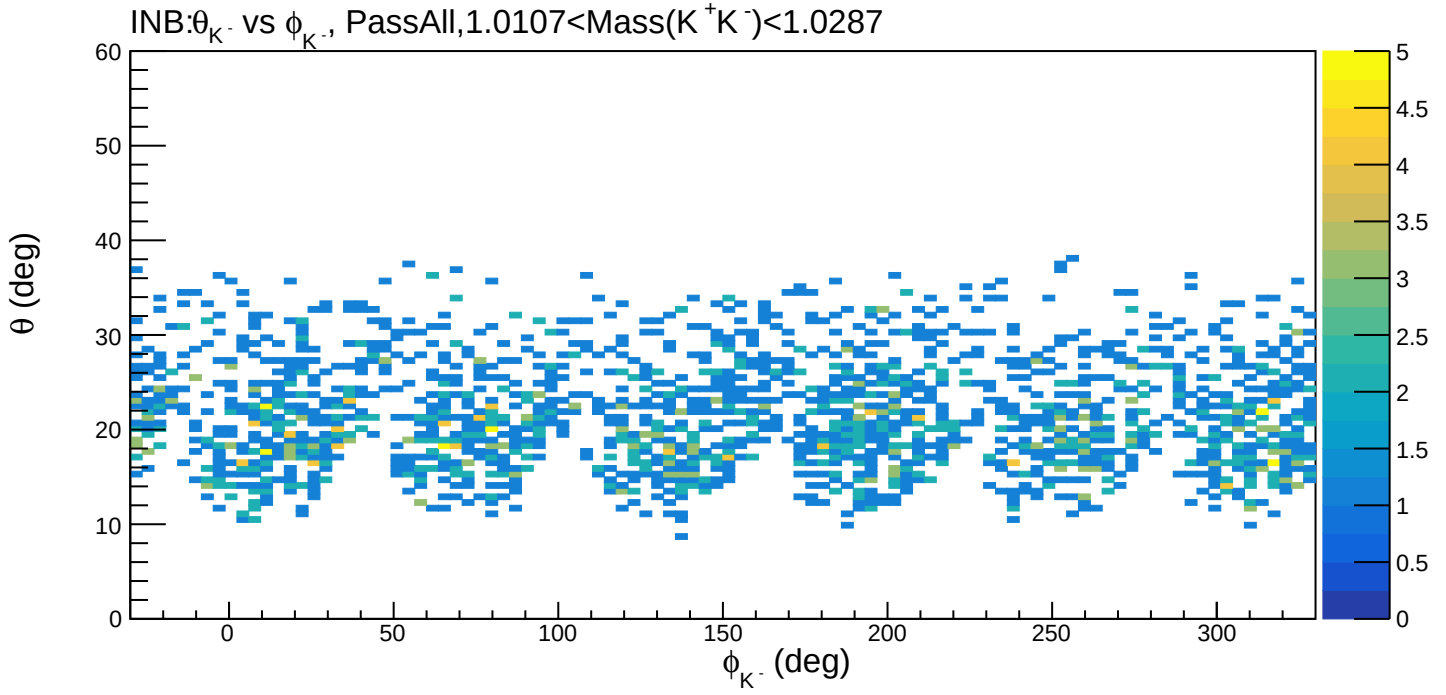

Inb vs Outb, P_{K^-} Final ϕ (FD) Events
outb
inb
counts
P_{K^-} (GeV)
0
20
40
60
80
100
0
1
2
3
4
5

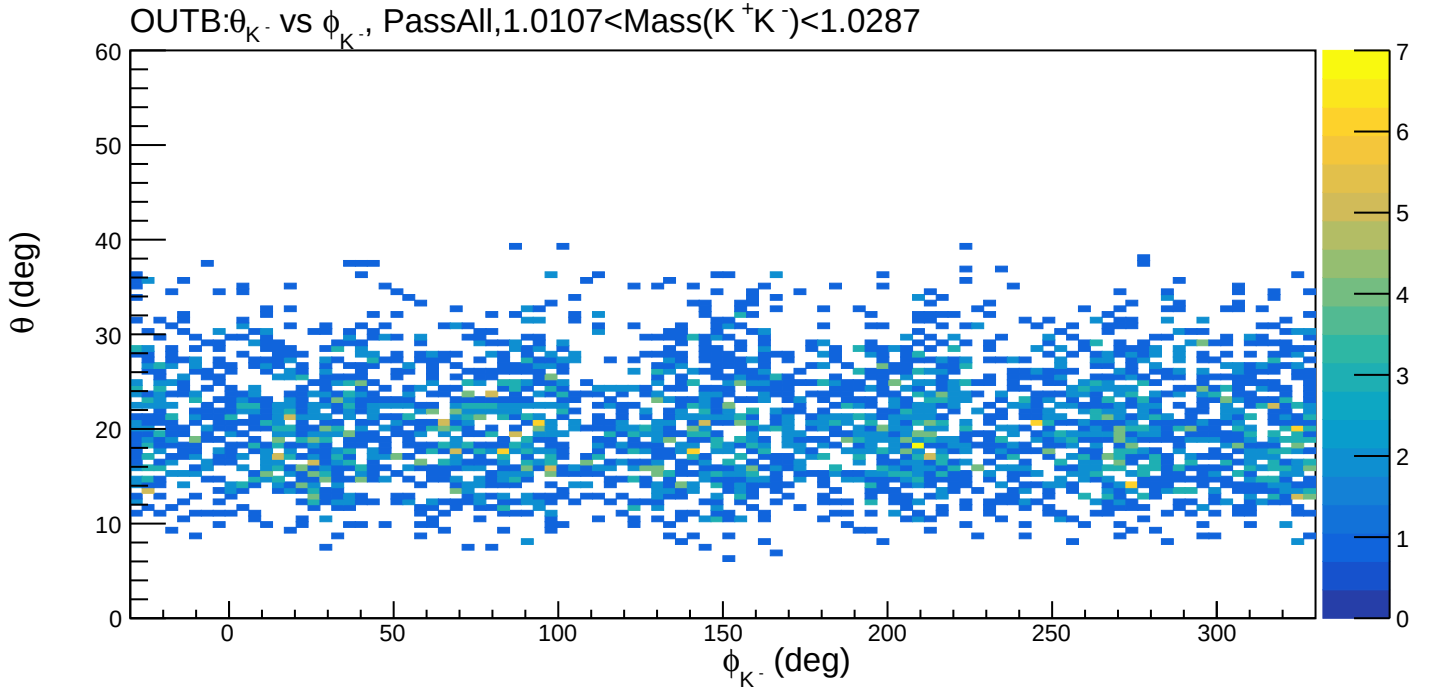

Inb vs Outb, Θ_{K^-} Final ϕ (FD) Events
outb
inb
counts
Θ_{K^-} (deg)
0
10
20
30
40
50
60
70
80
0
5
10
15
20
25
30
35
40
45

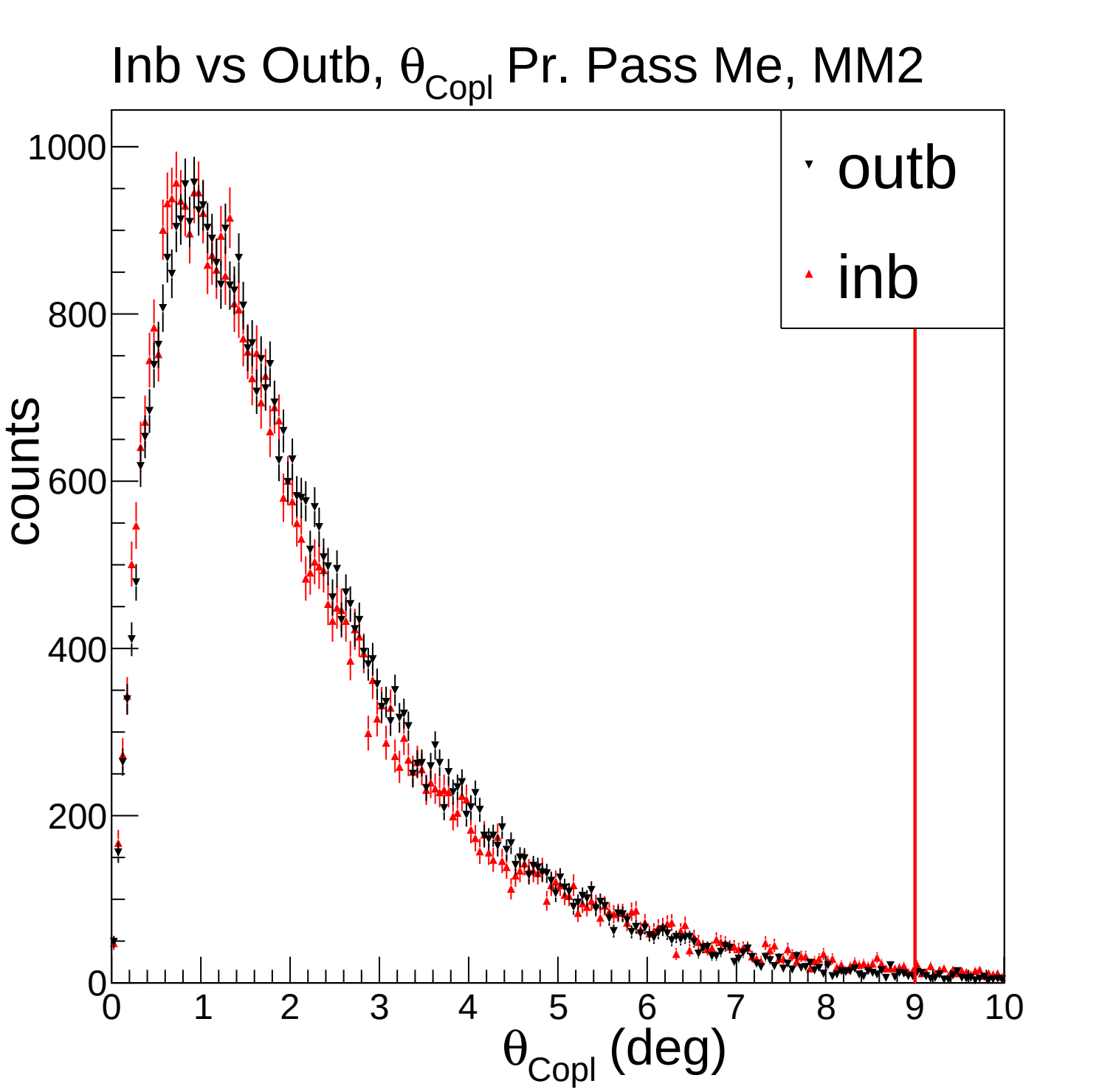

Inb vs Outb, Φ_{K^-} Final ϕ (FD) Events
outb
inb
counts
Φ_{K^-} (deg)
0
5
10
15
20
25
30
35
40
–150
–100
–50
0
50
100
150

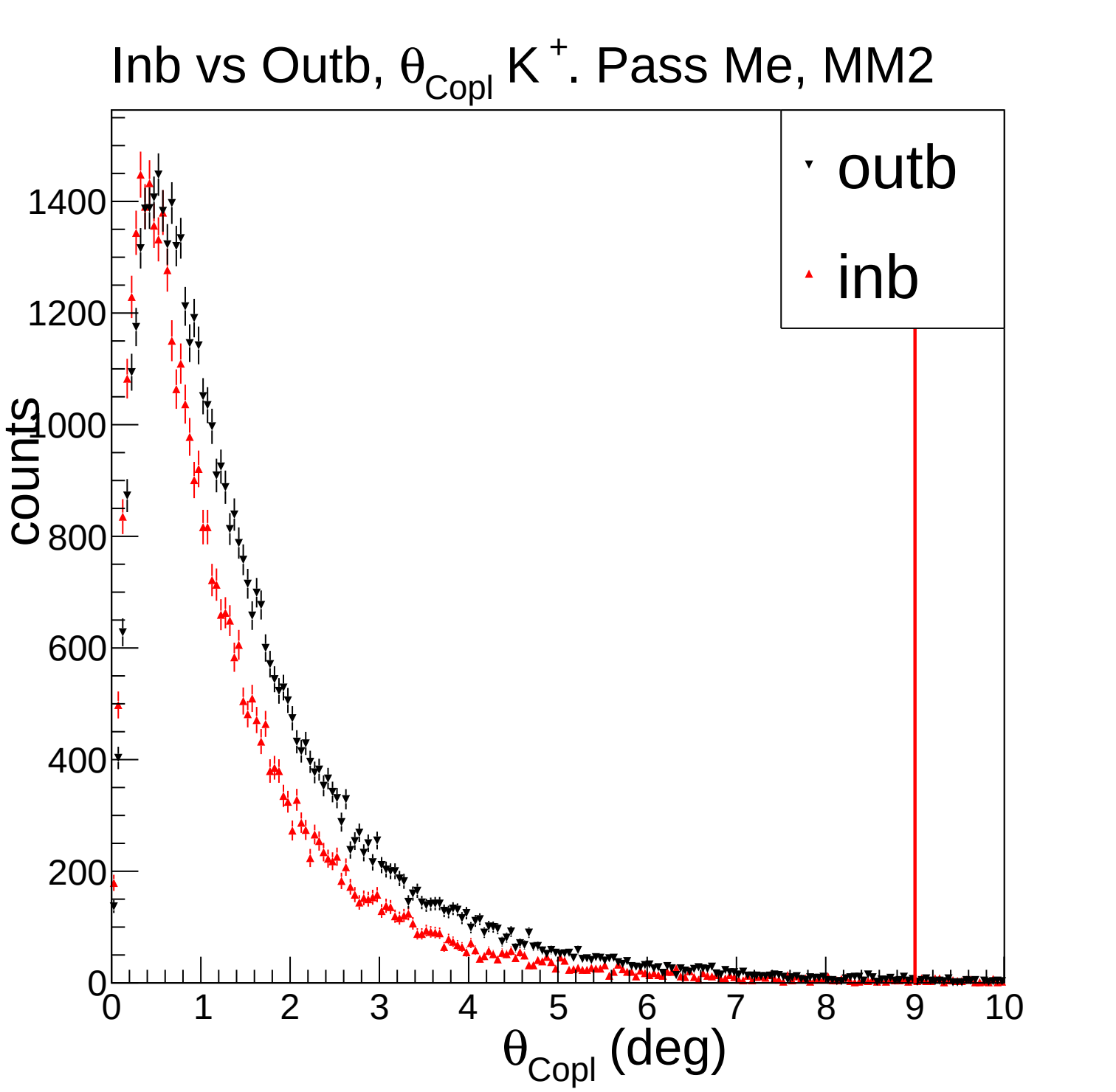

INB:θ$_{K^-}$ vs P$_{K^-}$, PassAll,1.0107<Mass(K$^+$K$^-$)<1.0287
θ (deg)
P$_{K^-}$ (GeV)

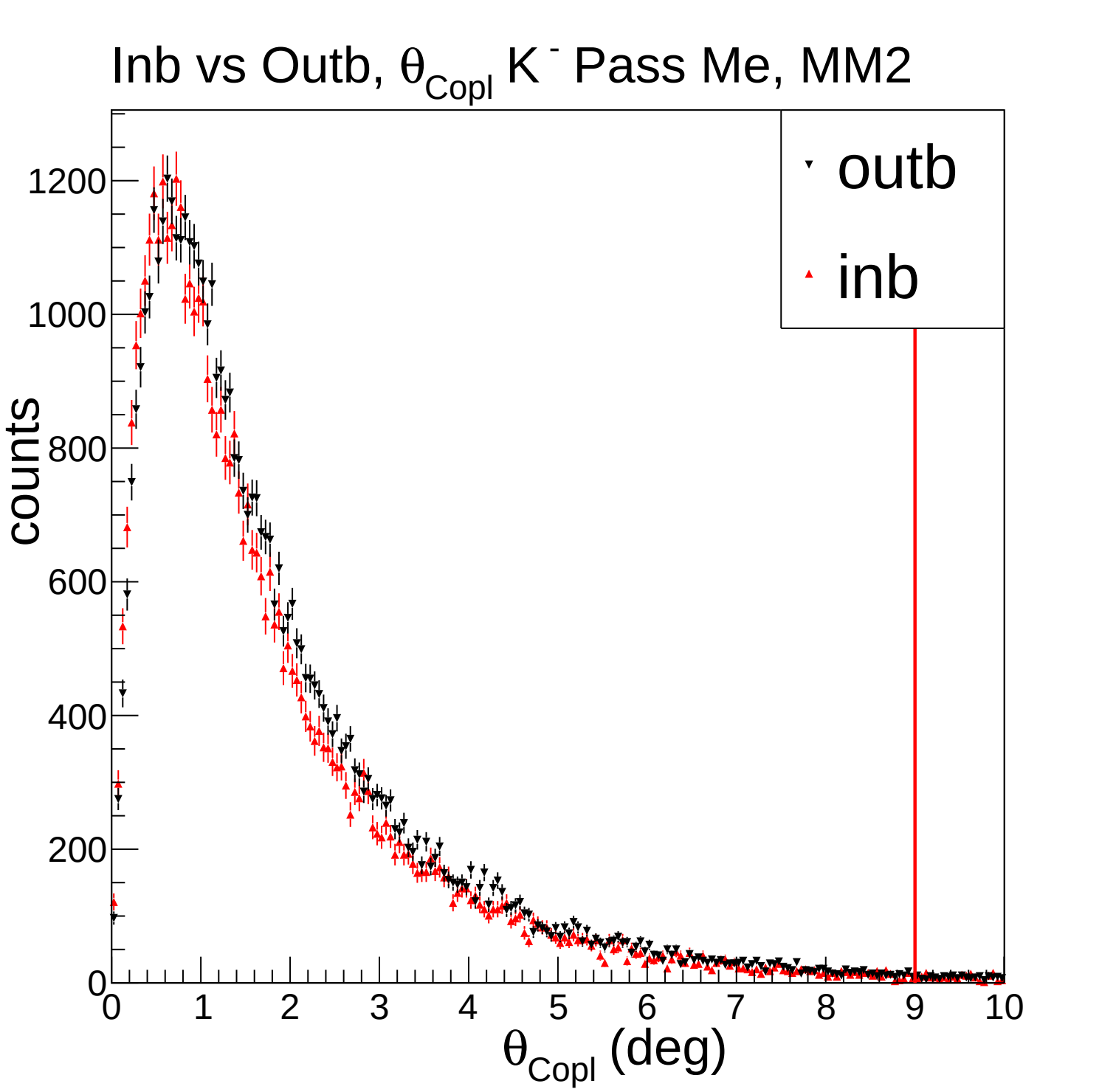

OUTB:θ$_{K^-}$ vs P$_{K^-}$, PassAll,1.0107<Mass(K$^+$K$^-$)<1.0287
θ (deg)
P$_{K^-}$ (GeV)

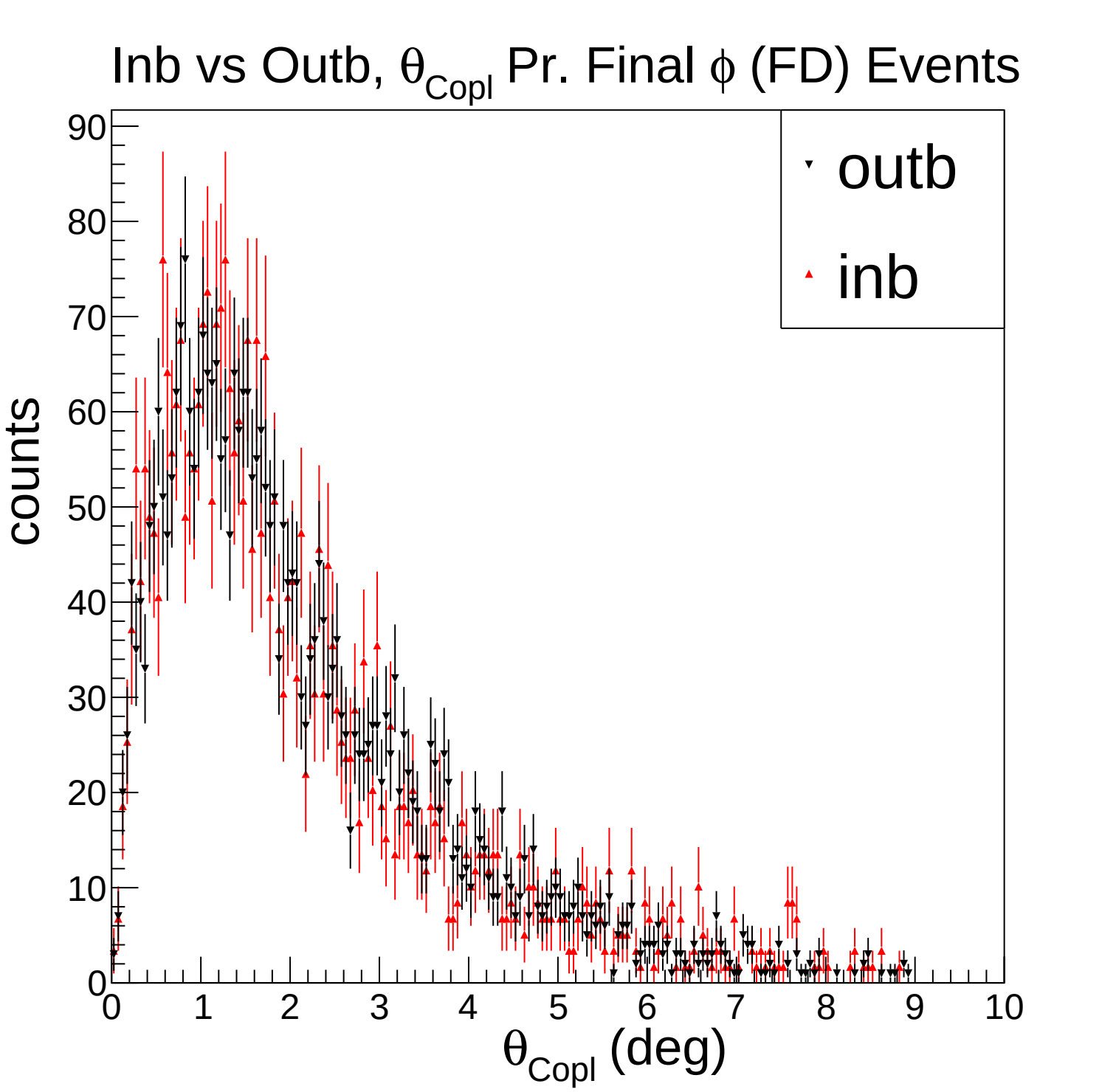

INB:θ_K- vs φ_K-, PassAll,1.0107<Mass(K+K-)<1.0287
θ (deg)
φ_K- (deg)

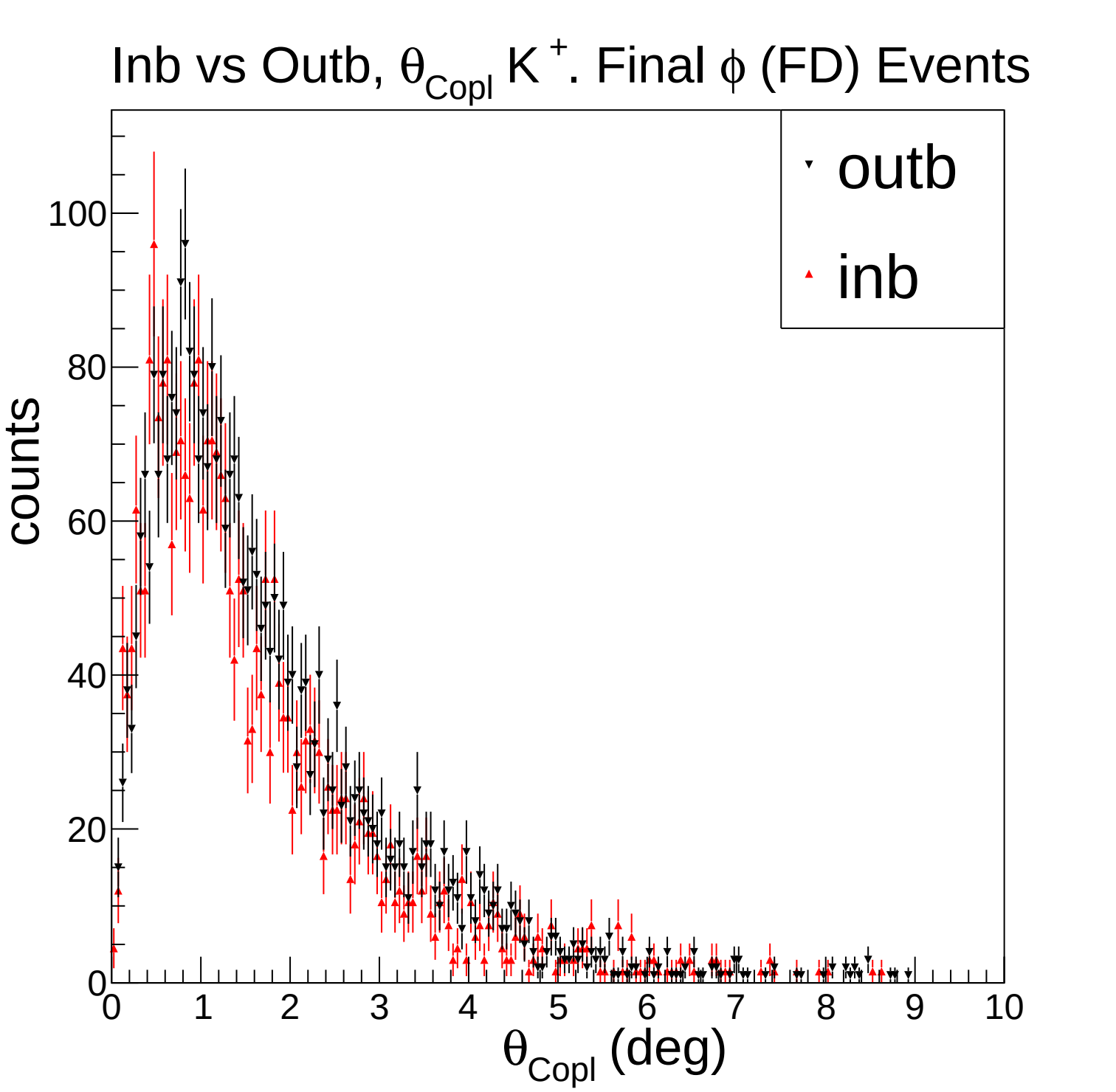

OUTB:θ_K- vs φ_K-, PassAll,1.0107<Mass(K+K-)<1.0287
θ (deg)
φ_K- (deg)

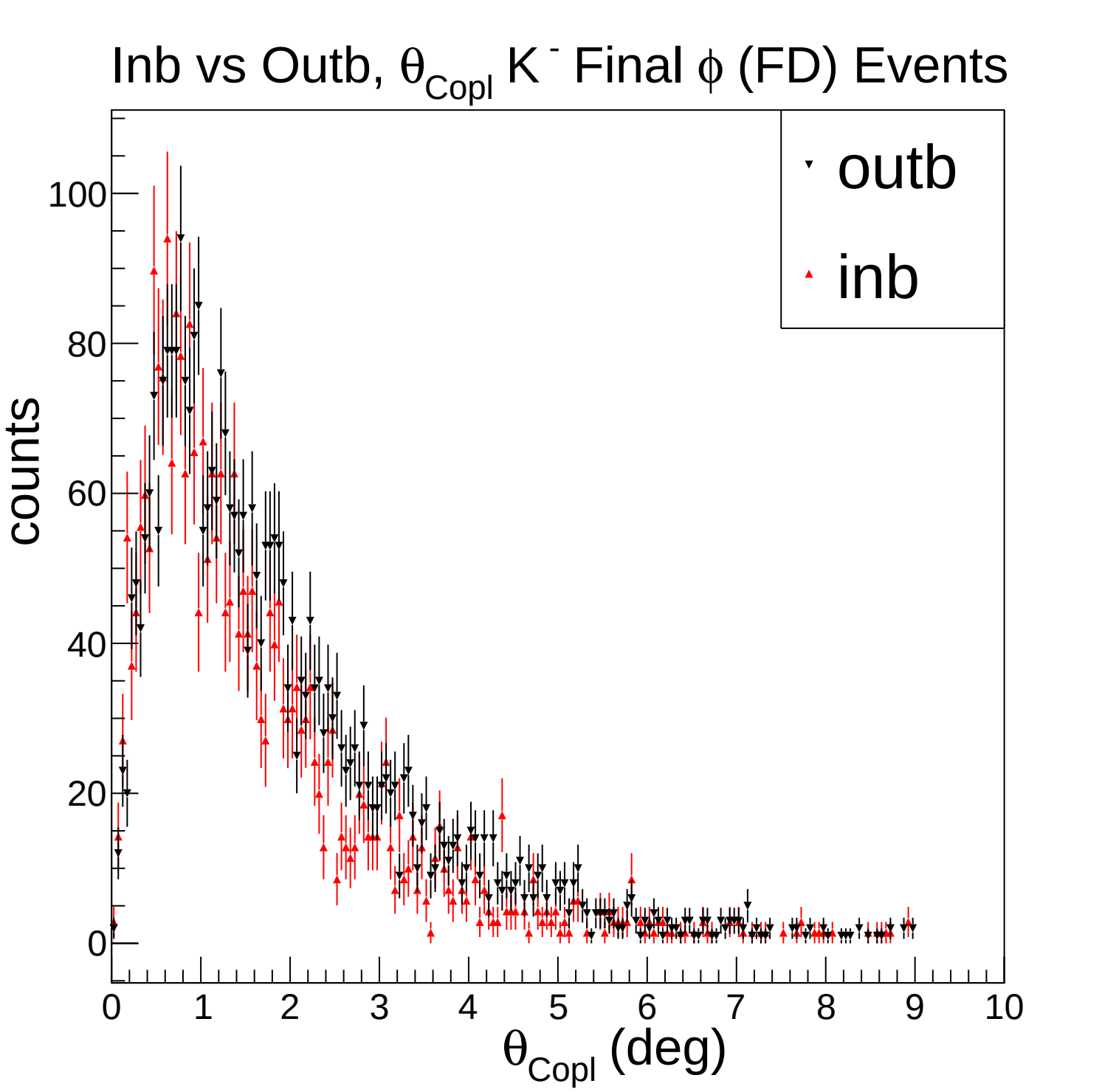

Inb vs Outb, θCopl Pr. Pass Me, MM2
outb
inb
counts
θCopl (deg)
0
200
400
600
800
1000
0
1
2
3
4
5
6
7
8
9
10

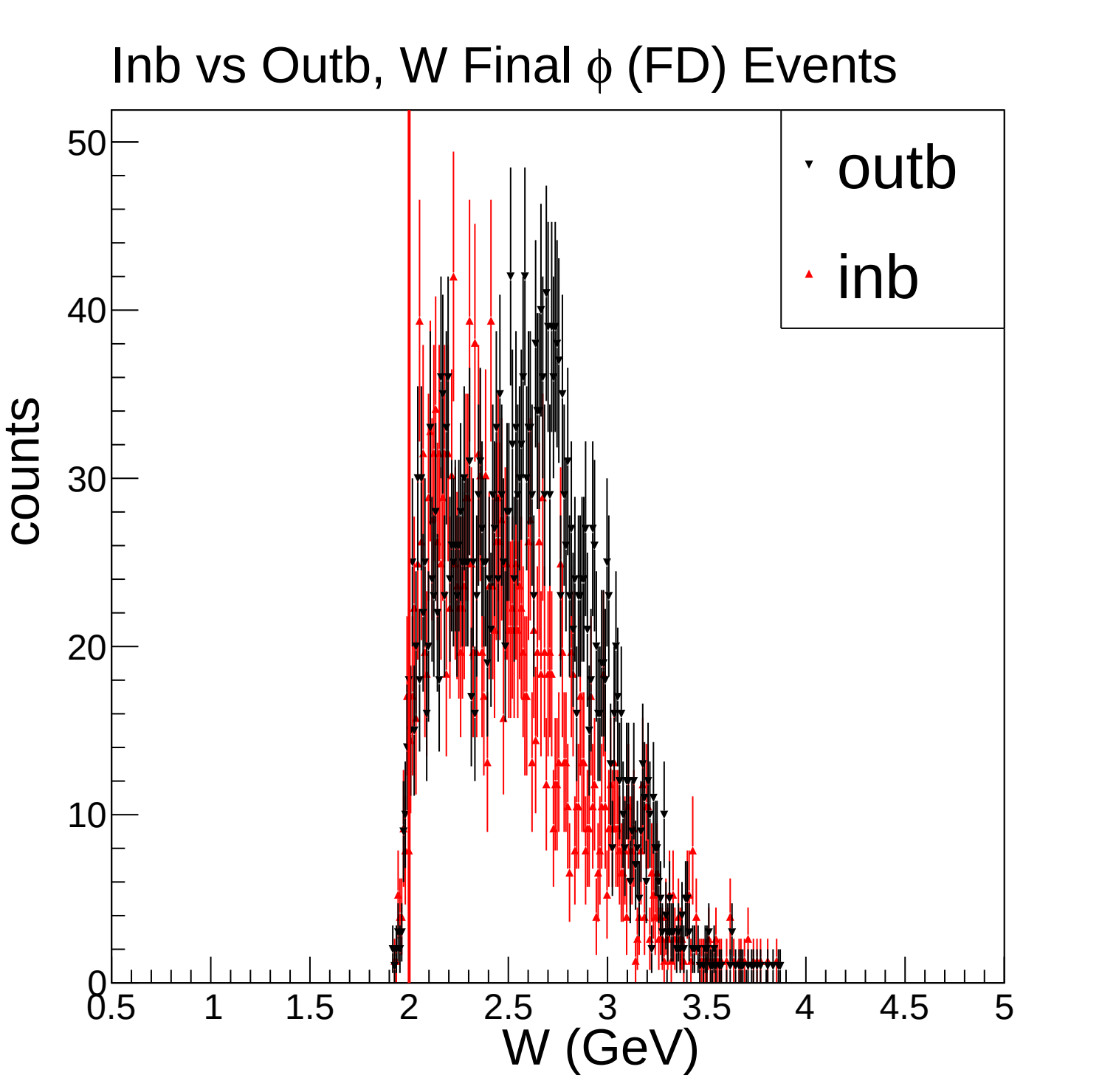

Inb vs Outb, θCopl K+. Pass Me, MM2
outb
inb
counts
θCopl (deg)
0
200
400
600
800
1000
1200
1400
0
1
2
3
4
5
6
7
8
9
10

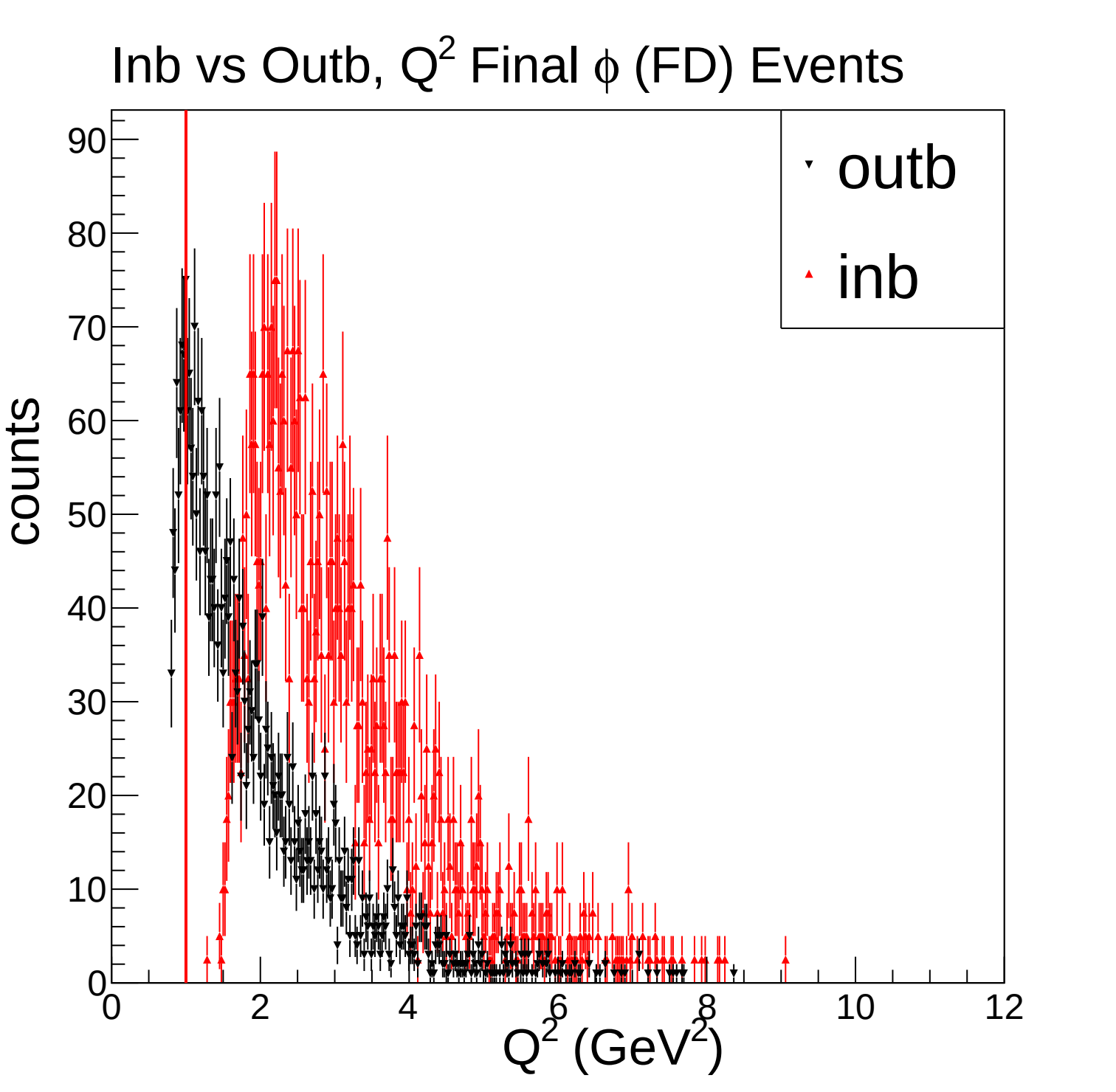

Inb vs Outb, θCopl K- Pass Me, MM2
outb
inb
counts
θCopl (deg)
0
200
400
600
800
1000
1200
0
1
2
3
4
5
6
7
8
9
10

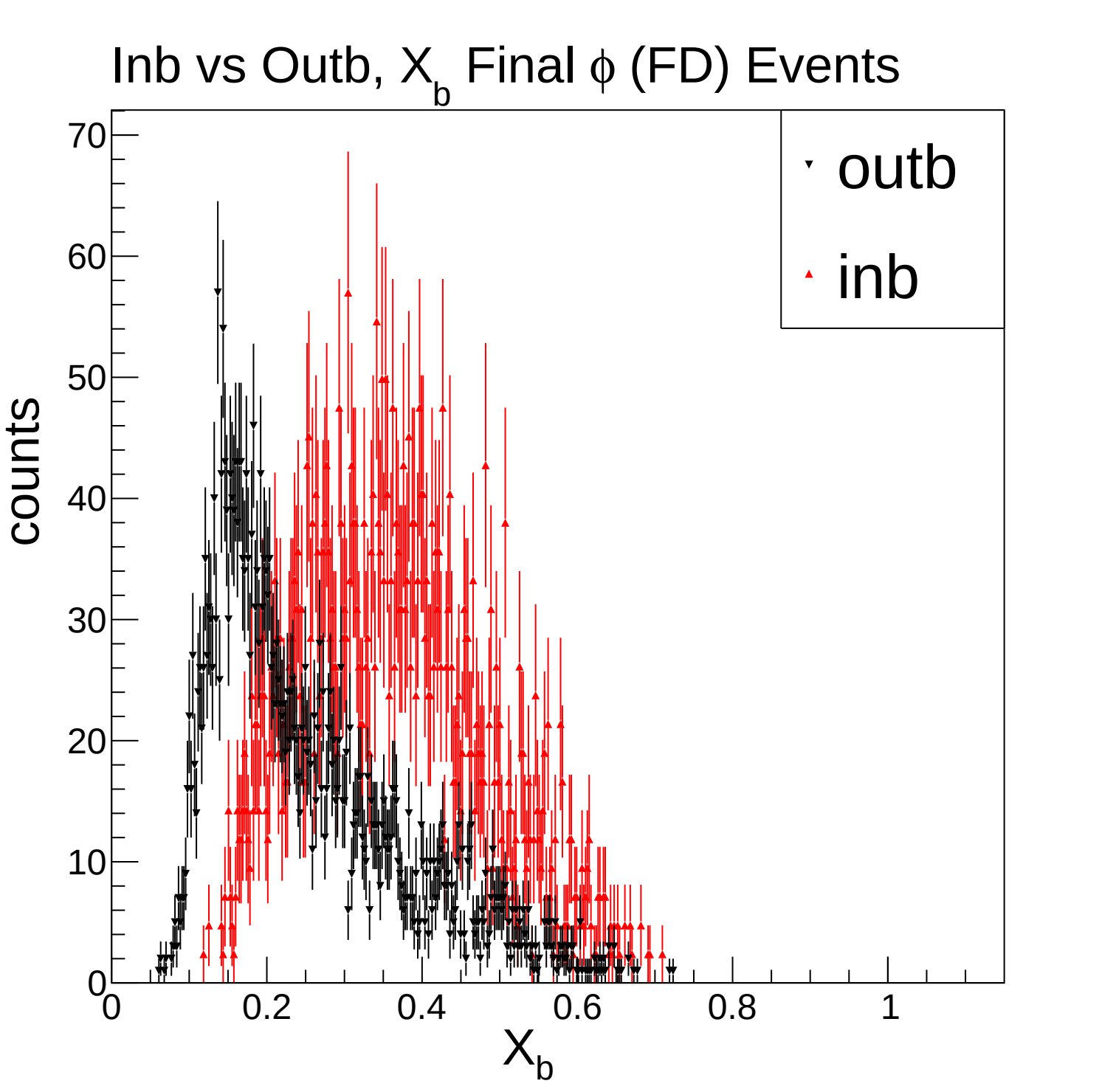

Inb vs Outb, θCopl Pr. Final ϕ (FD) Events
outb
inb
counts
θCopl (deg)
0
10
20
30
40
50
60
70
80
90
0
1
2
3
4
5
6
7
8
9
10

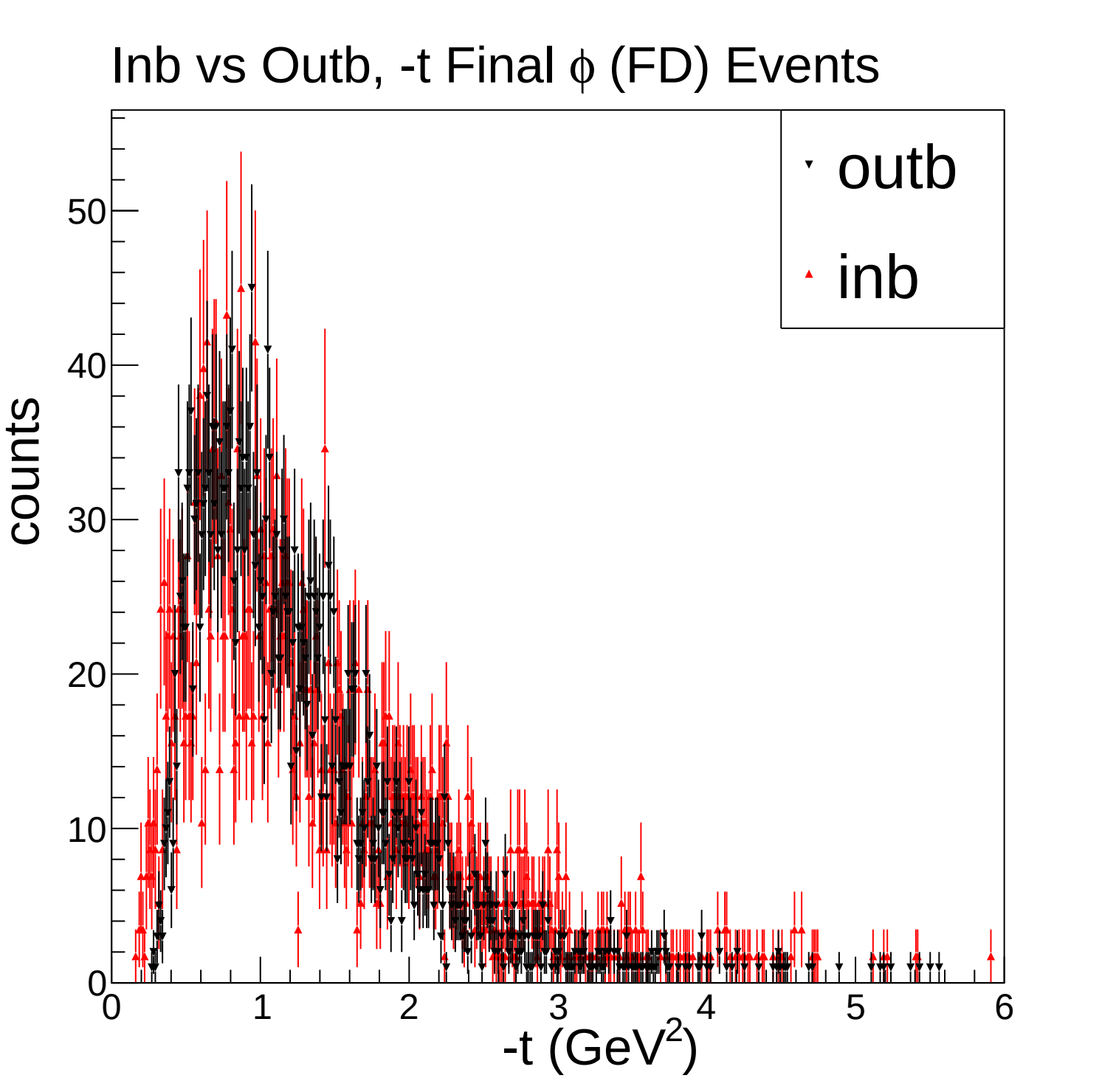

Inb vs Outb, θCopl K+. Final ϕ (FD) Events
outb
inb
counts
θCopl (deg)
0
20
40
60
80
100
0
1
2
3
4
5
6
7
8
9
10

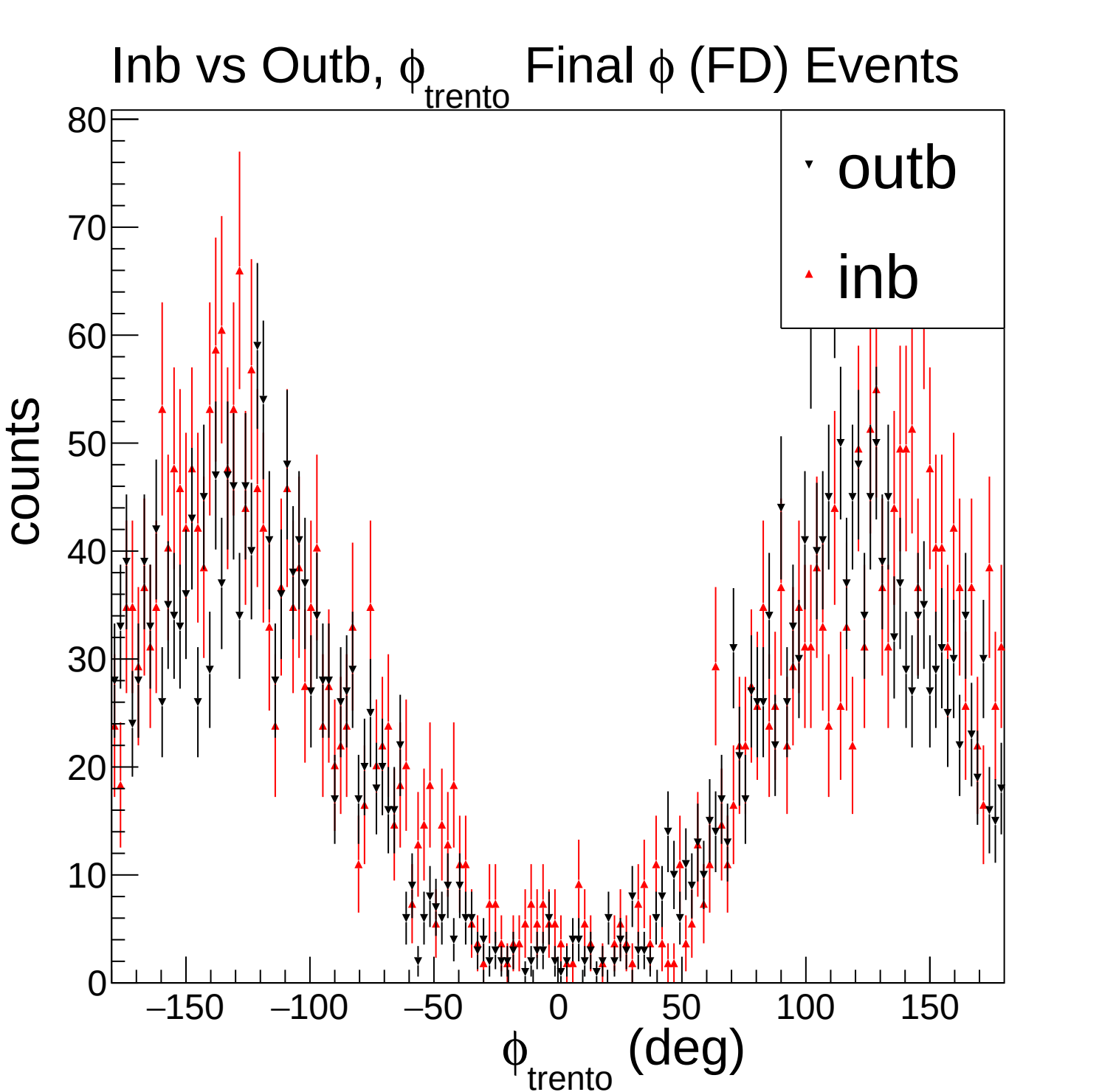

Inb vs Outb, θCopl K- Final ϕ (FD) Events
outb
inb
counts
θCopl (deg)
0
20
40
60
80
100
0
1
2
3
4
5
6
7
8
9
10

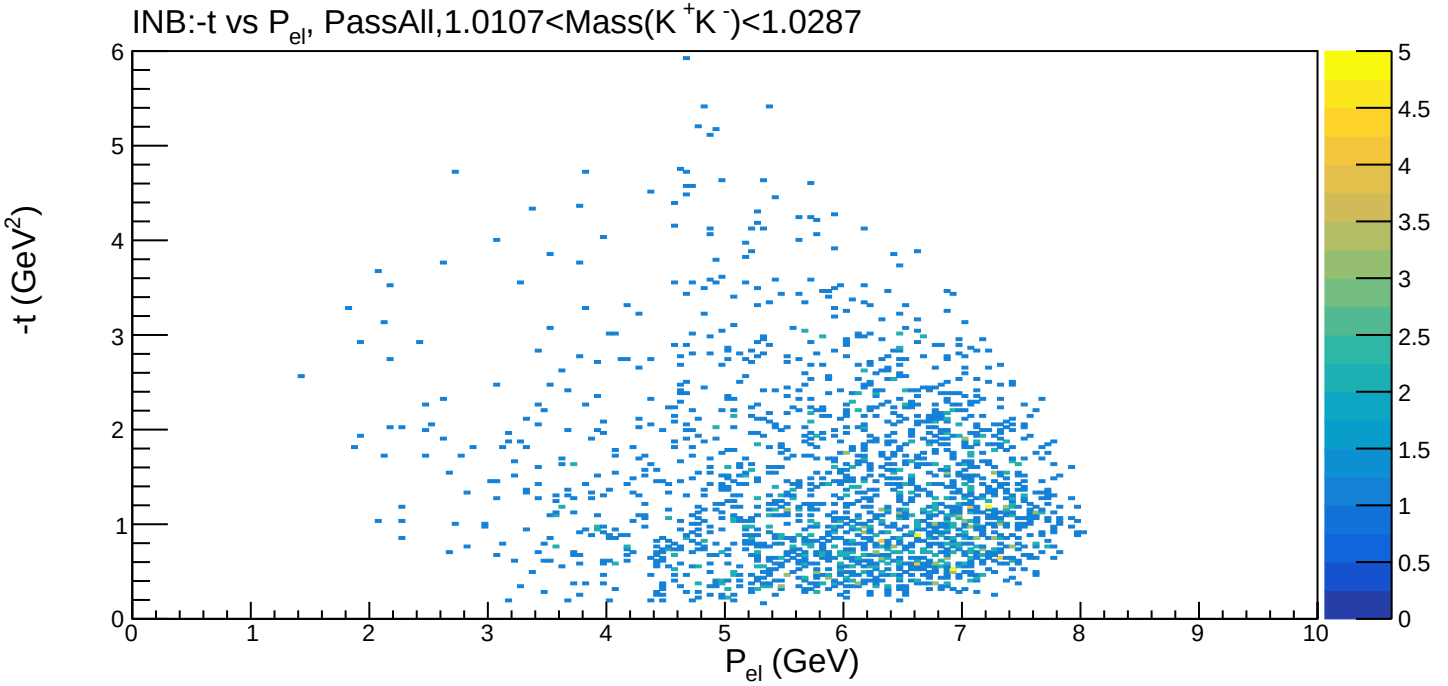

Inb vs Outb, W Final ϕ (FD) Events
outb
inb
counts
W (GeV)
0
10
20
30
40
50
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

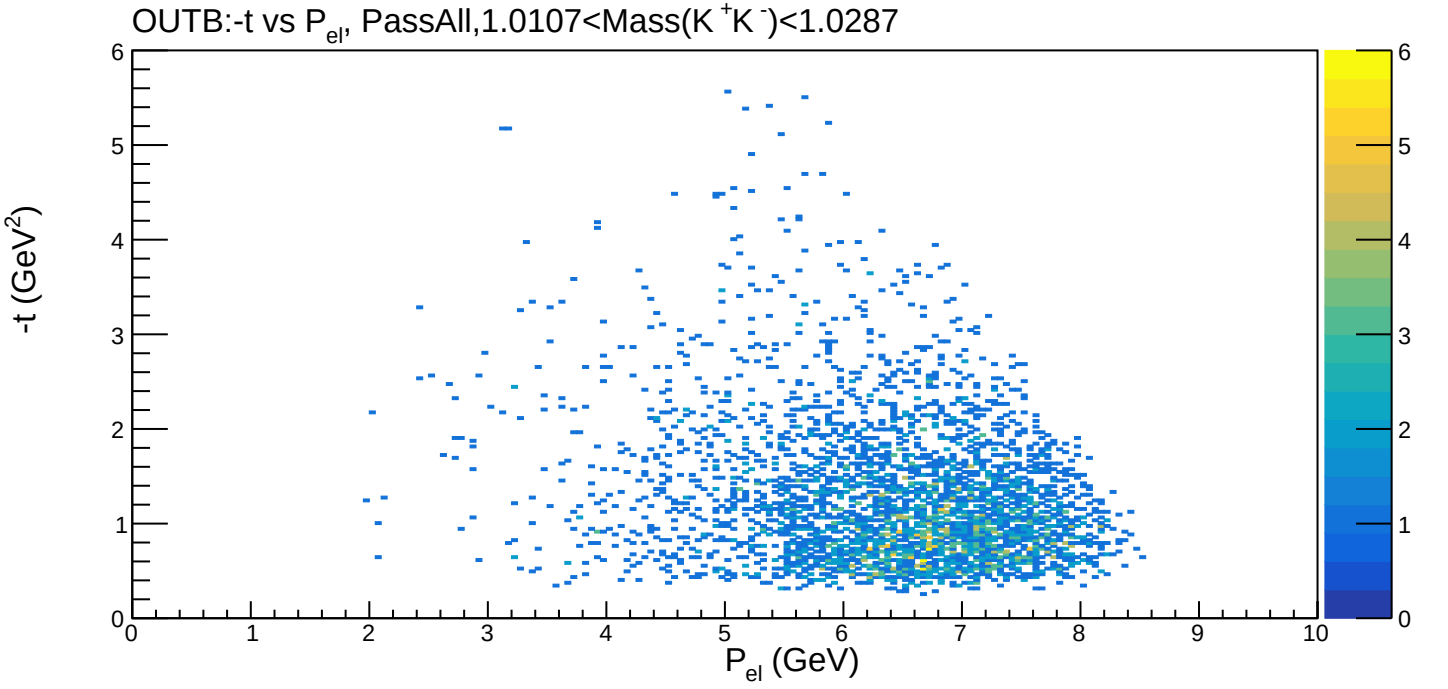

Inb vs Outb, Q2 Final ϕ (FD) Events
outb
inb
counts
Q2 (GeV2)
0
10
20
30
40
50
60
70
80
90
0
2
4
6
8
10
12

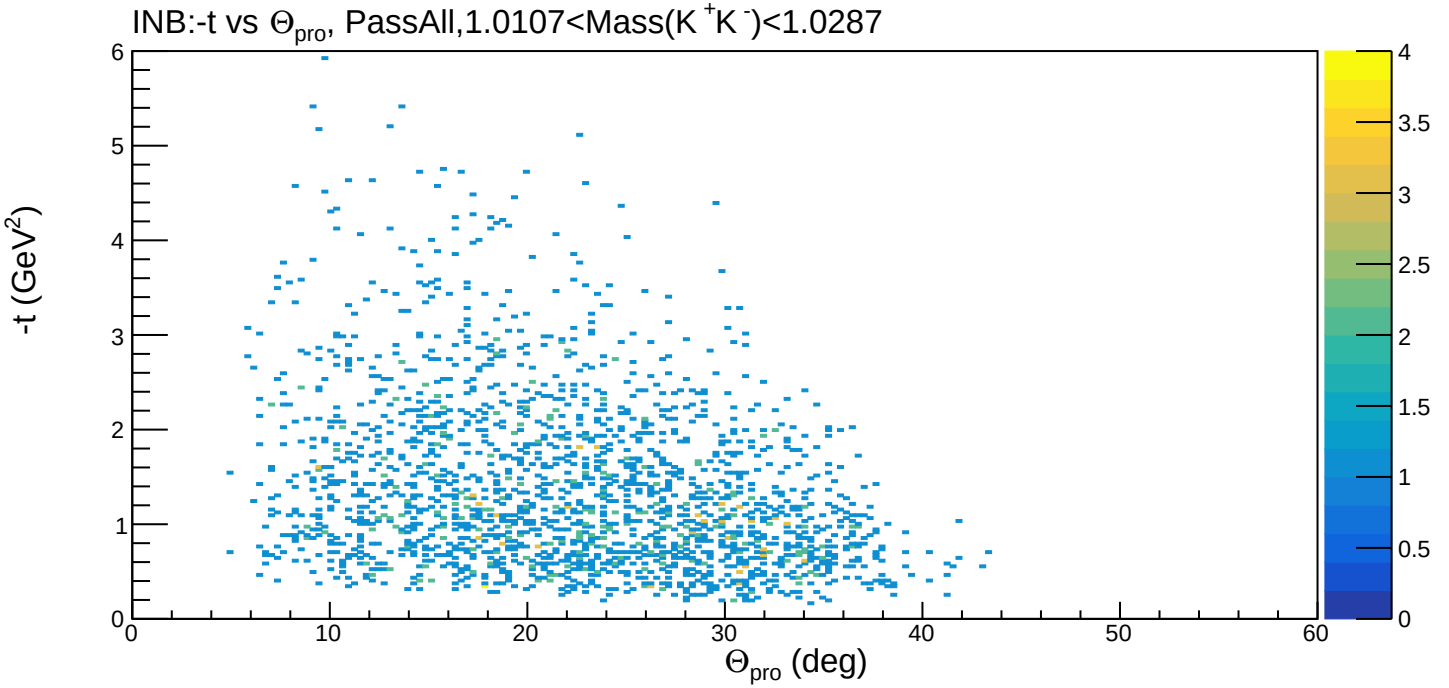

Inb vs Outb, X_b Final ϕ (FD) Events
outb
inb
counts
X_b
0
10
20
30
40
50
60
70
0
0.2
0.4
0.6
0.8
1

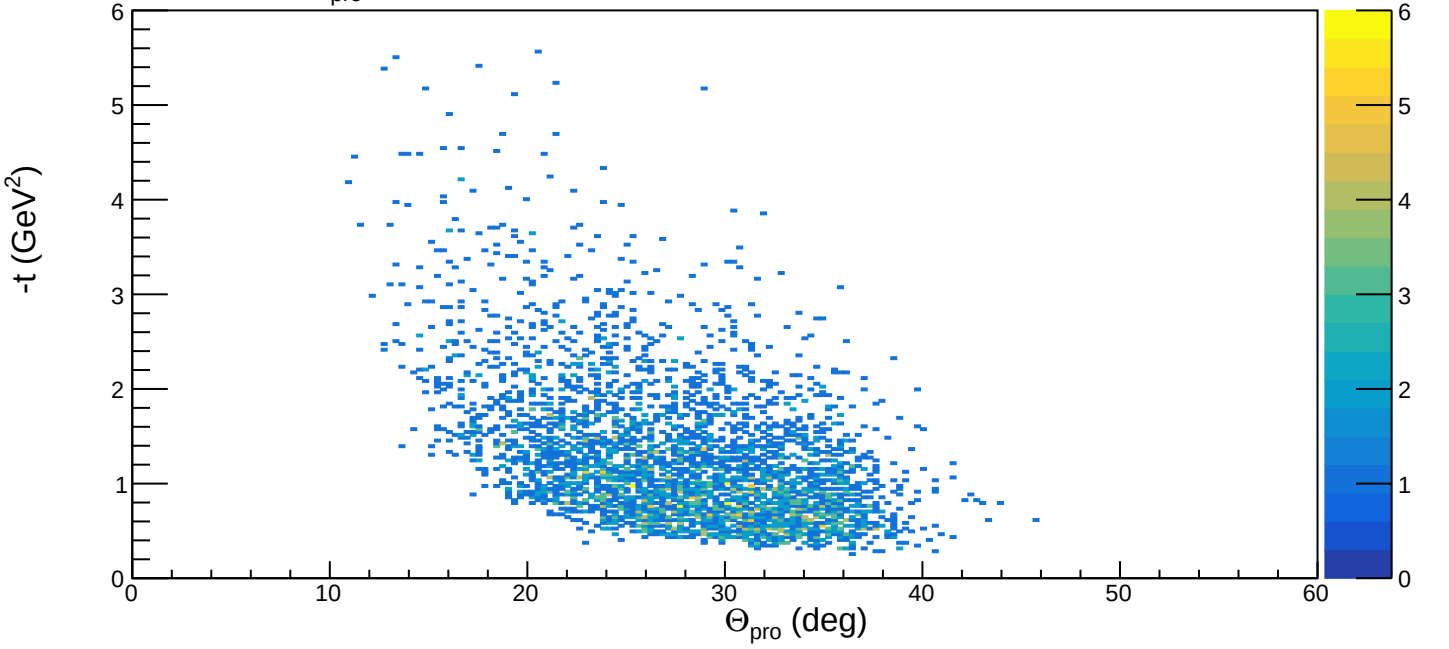

Inb vs Outb, -t Final ϕ (FD) Events
outb
inb
counts
0
10
20
30
40
50
0
1
2
3
4
5
6
-t (GeV^2)

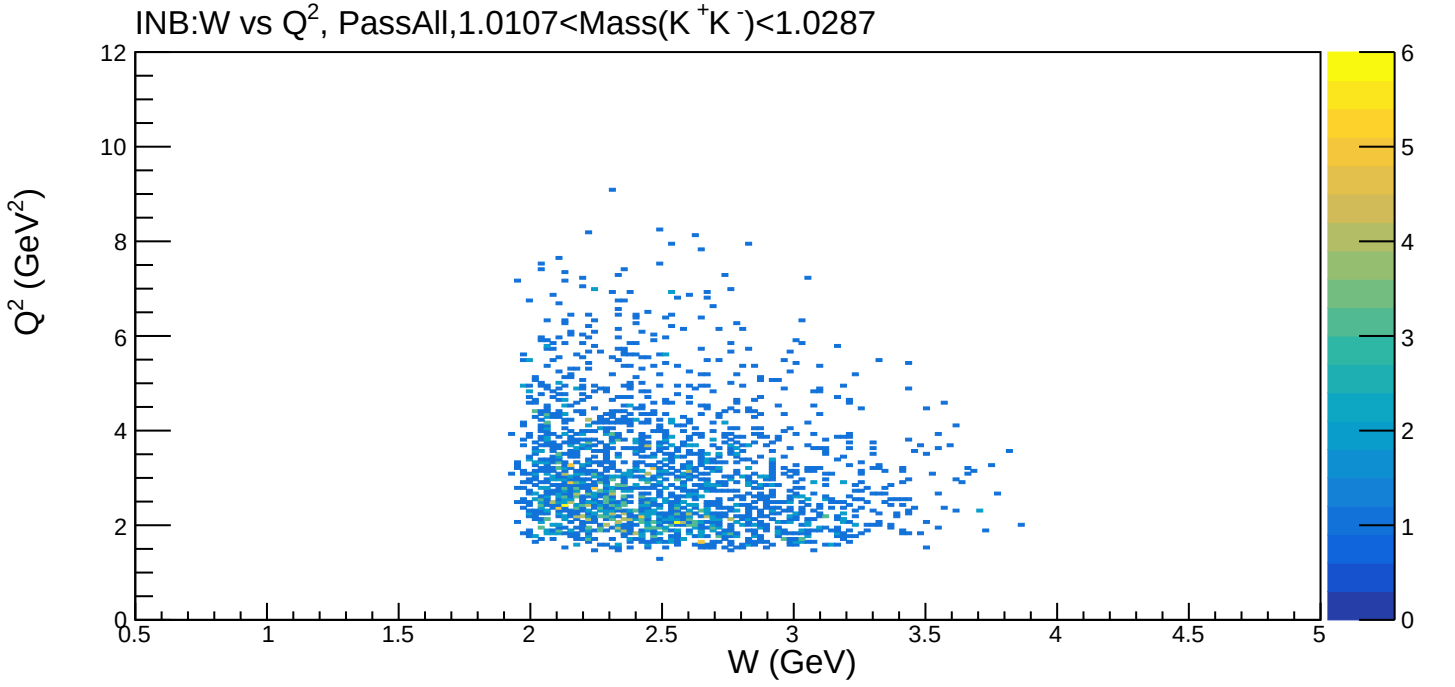

Inb vs Outb, ϕ_{trento} Final ϕ (FD) Events
outb
inb
counts
0
10
20
30
40
50
60
70
80
–150
–100
–50
0
50
100
150
ϕ_{trento} (deg)

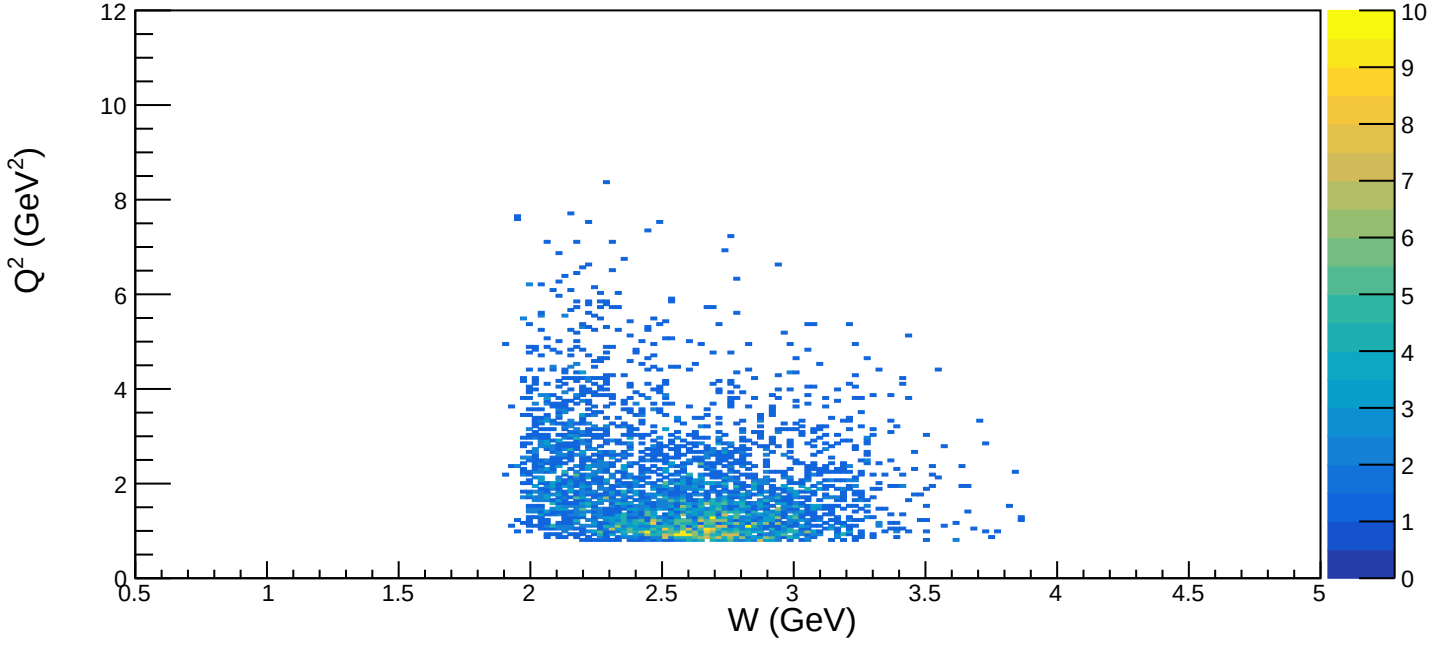

INB:-t vs P_el, PassAll,1.0107<Mass(K+K-)<1.0287
-t (GeV^2)
P_el (GeV)

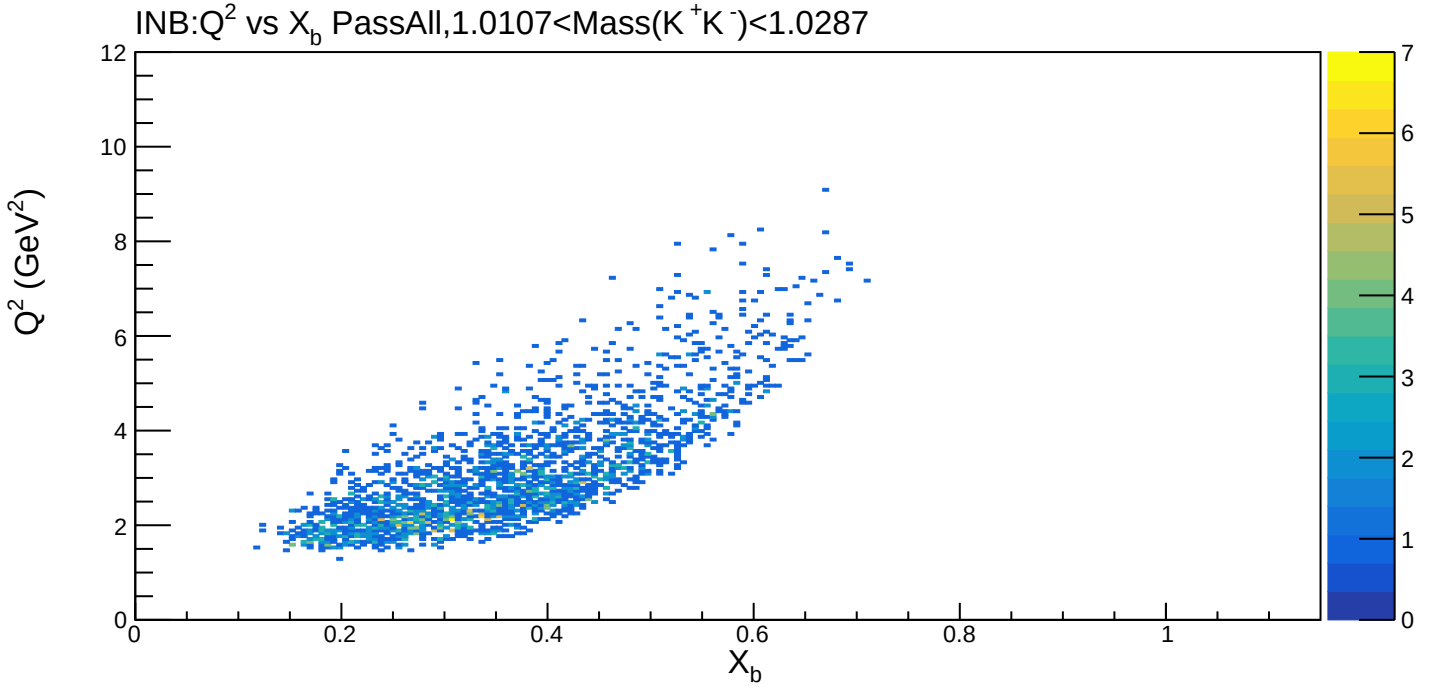

OUTB:-t vs P_el, PassAll,1.0107<Mass(K+K-)<1.0287
-t (GeV^2)
P_el (GeV)

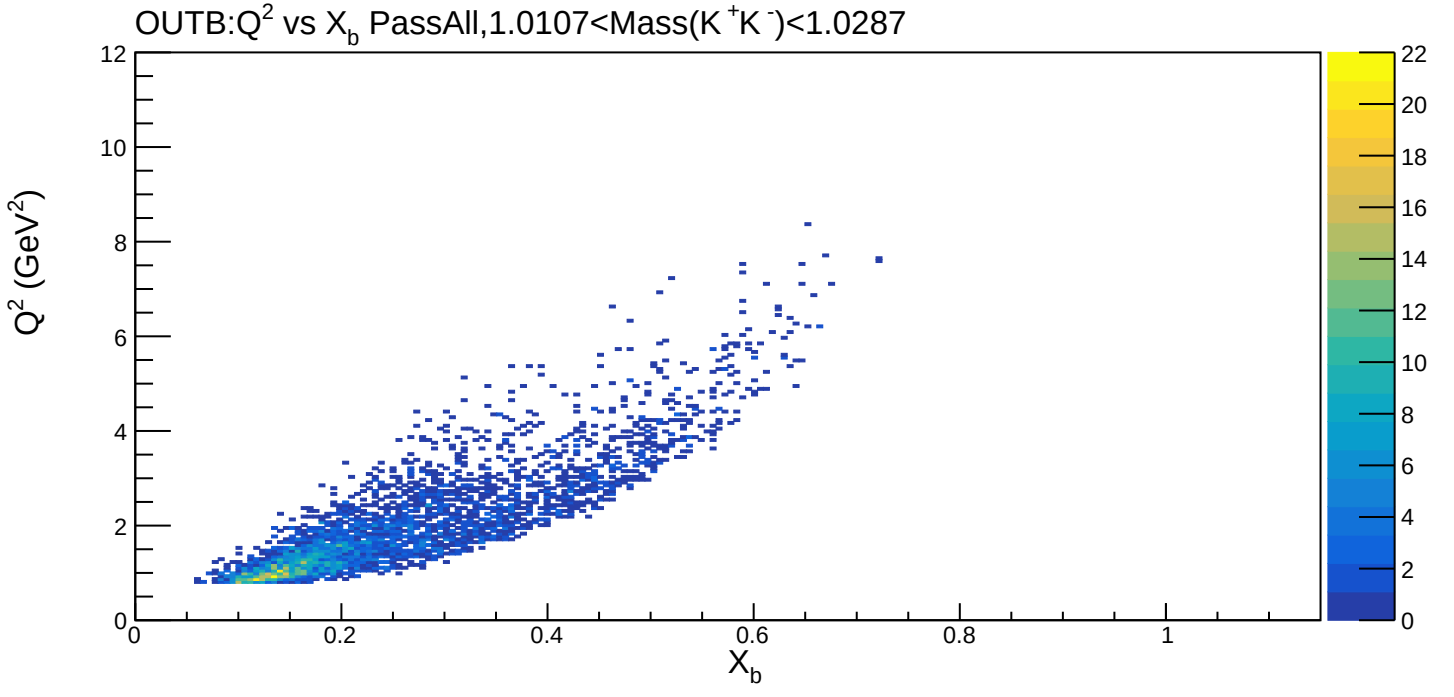

INB:-t vs Θpro, PassAll,1.0107<Mass(K+K-)<1.0287
-t (GeV2)
Θpro (deg)
0
10
20
30
40
50
60
1
2
3
4
5
6
0.5
1.5
2.5
3.5

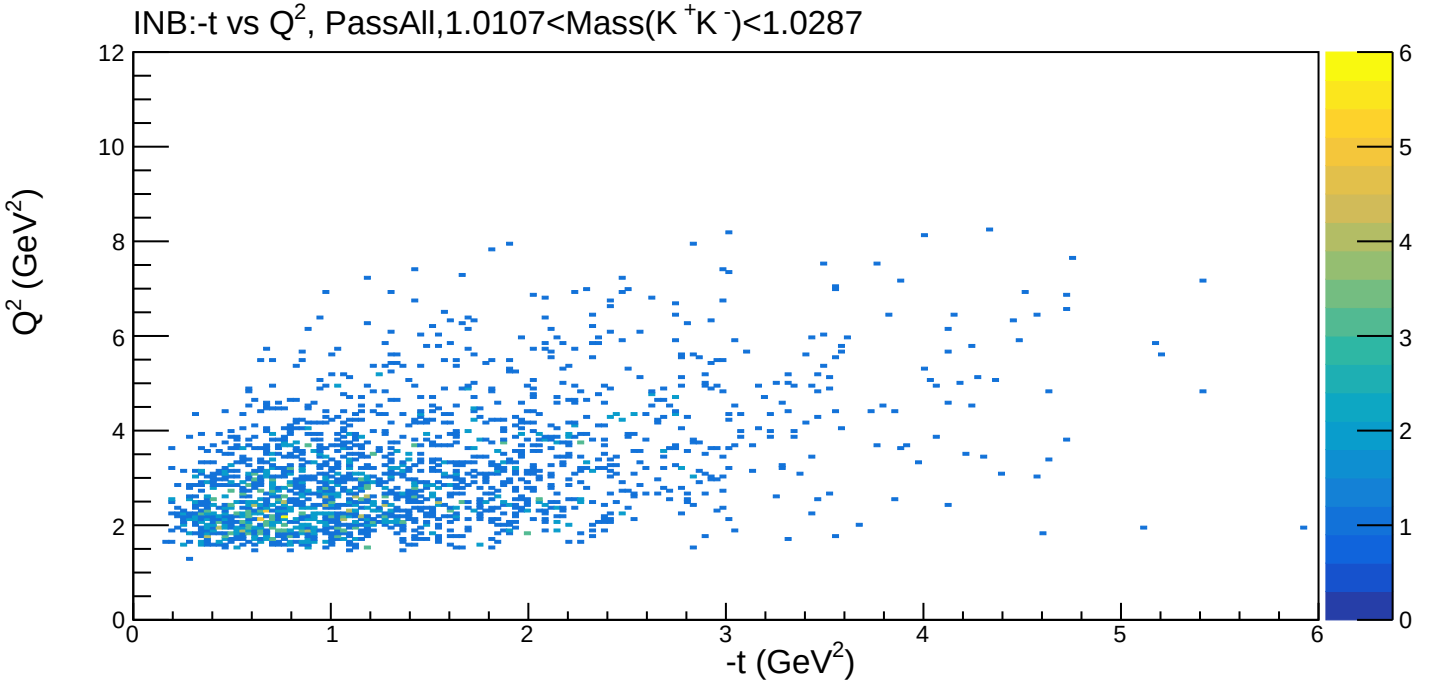

OUTB:-t vs Θpro, PassAll,1.0107<Mass(K+K-)<1.0287
-t (GeV2)
Θpro (deg)
0
10
20
30
40
50
60
1
2
3
4
5
6

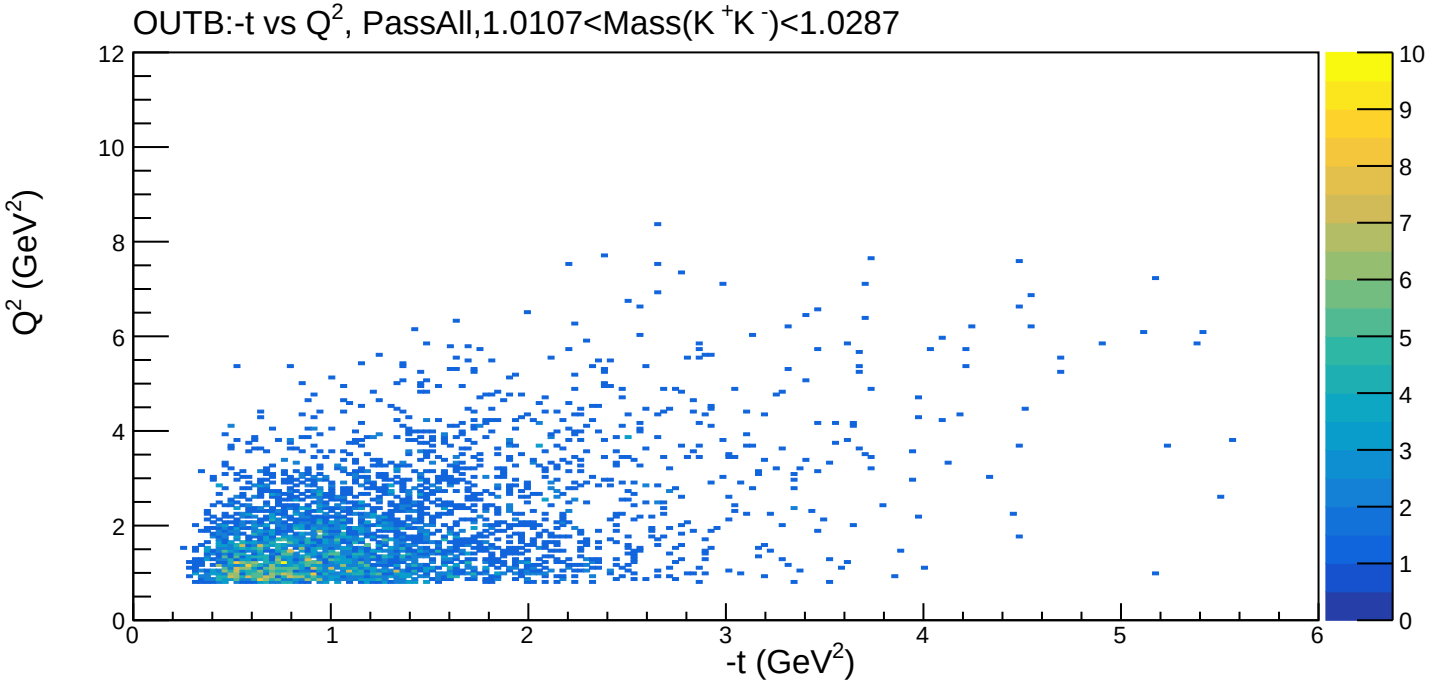

INB:W vs Q2, PassAll,1.0107<Mass(K+K-)<1.0287
Q2 (GeV2)
W (GeV)

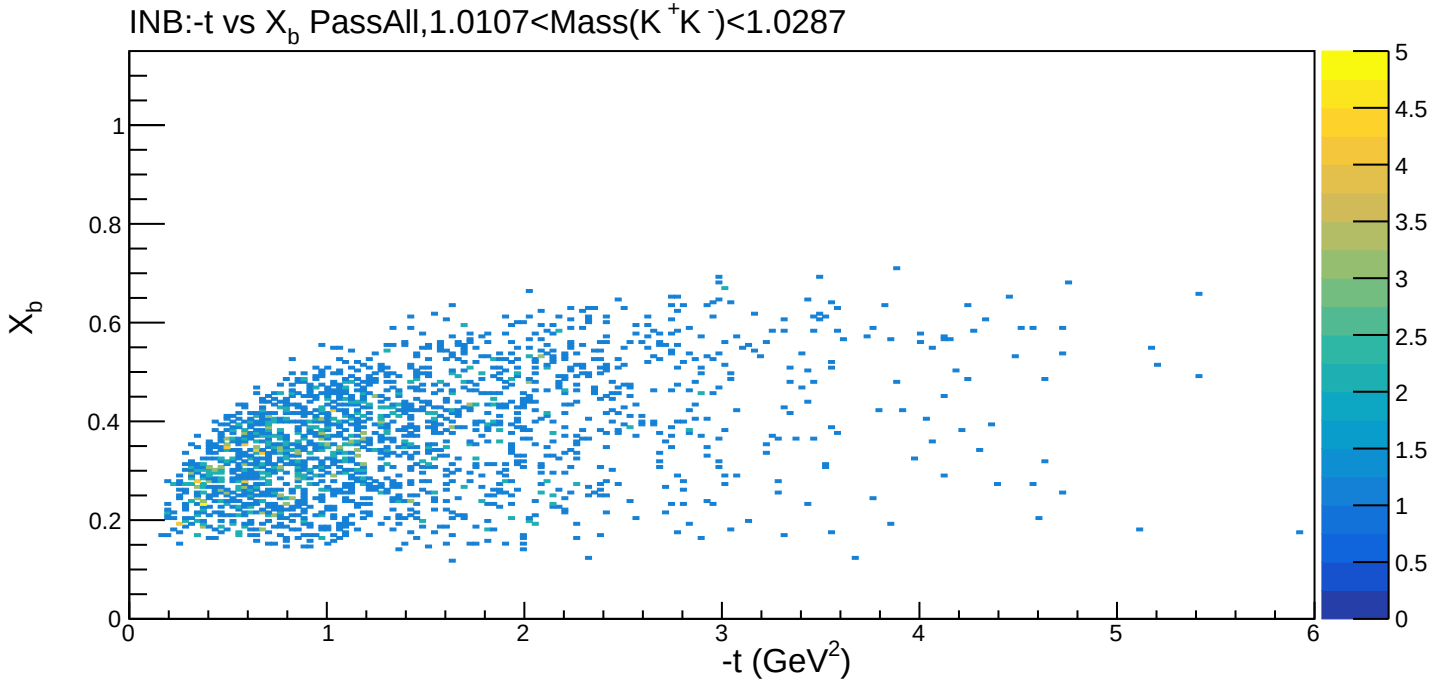

OUTB:W vs Q2, PassAll,1.0107<Mass(K+K-)<1.0287
Q2 (GeV2)
W (GeV)

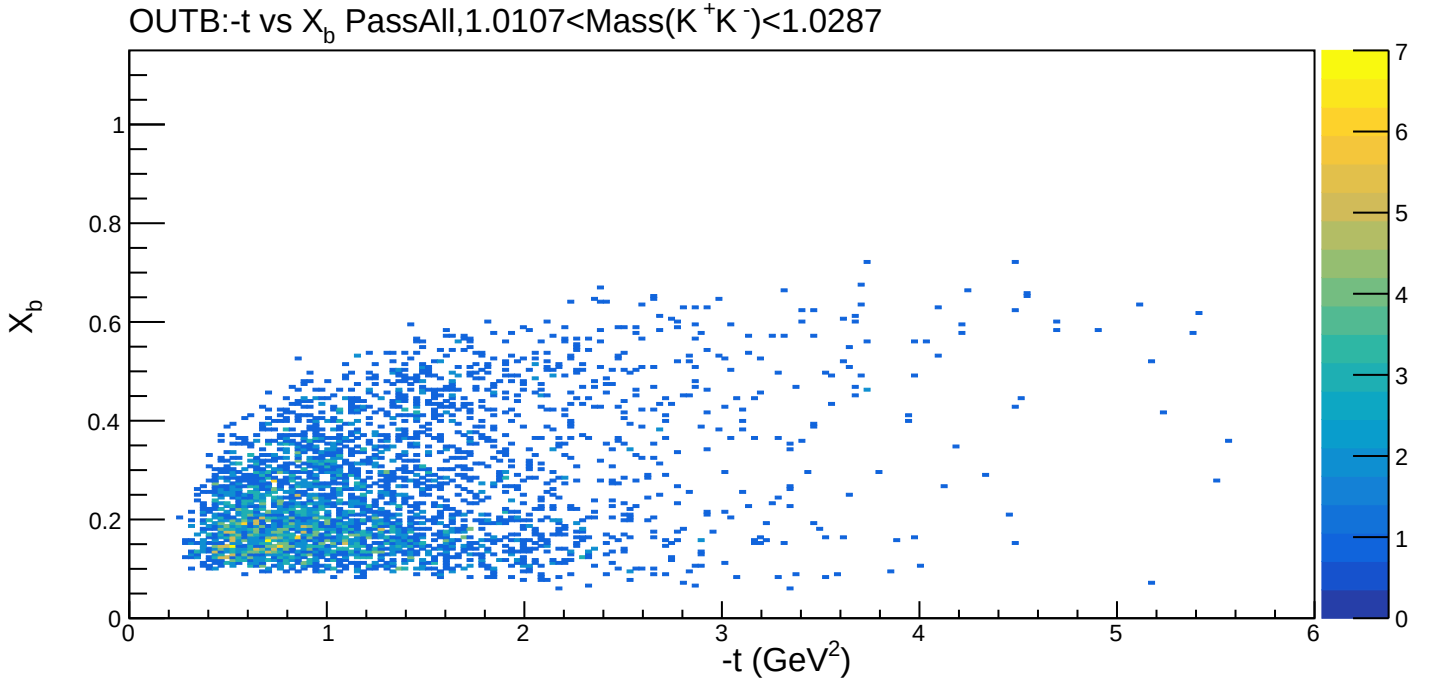

INB:Q2 vs Xb PassAll,1.0107<Mass(K+K-)<1.0287
Q2 (GeV2)
Xb
0
2
4
6
8
10
12
0.2
0.4
0.6
0.8
1
7

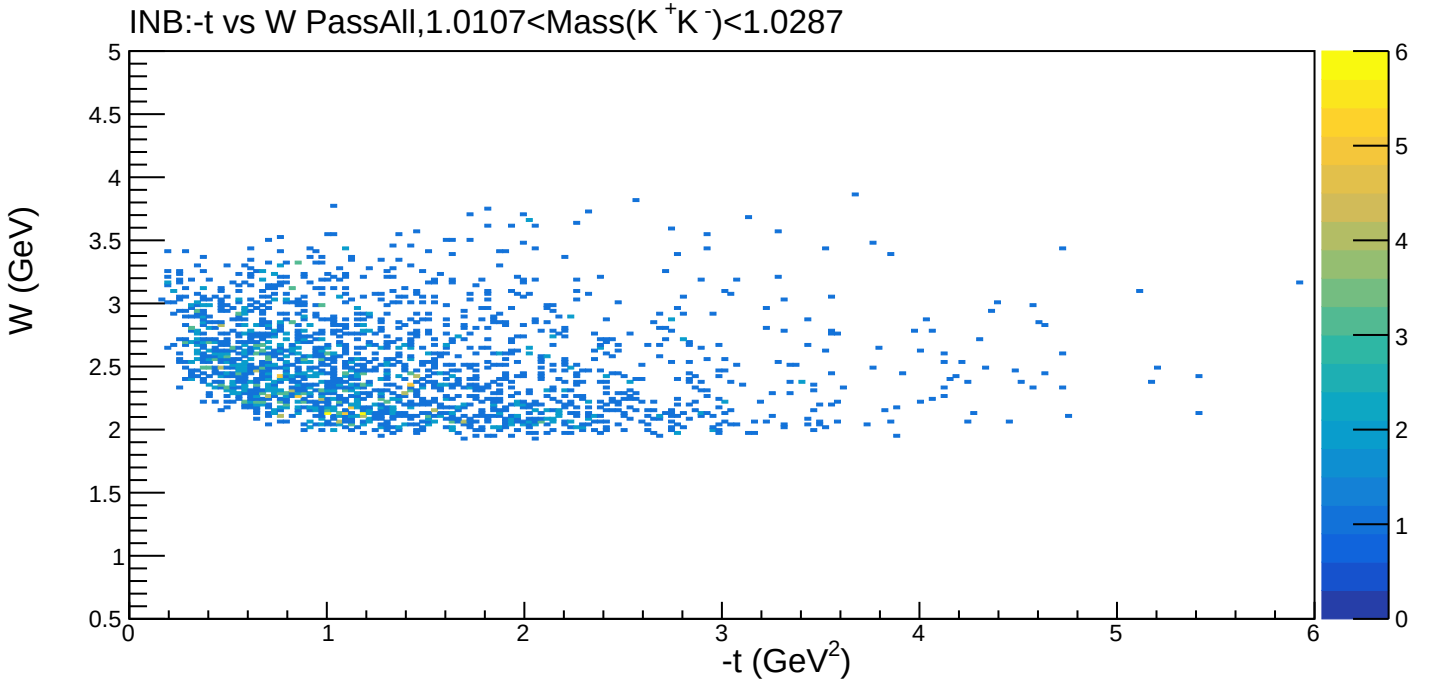

OUTB:Q2 vs Xb PassAll,1.0107<Mass(K+K-)<1.0287
Q2 (GeV2)
Xb
0
2
4
6
8
10
12
0.2
0.4
0.6
0.8
1
22
20
18
16
14
12
10
8
6
4
2

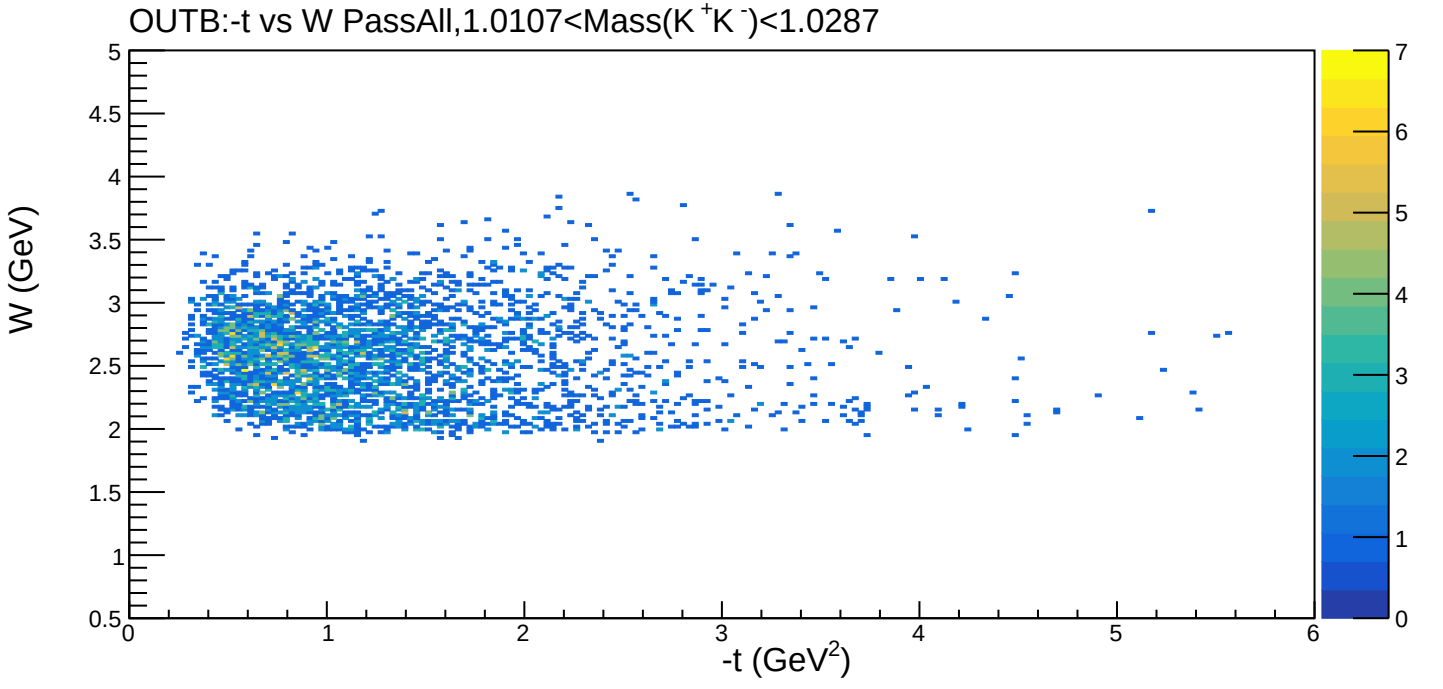

INB:-t vs Q2, PassAll,1.0107<Mass(K +K -)<1.0287
Q2 (GeV2)
-t (GeV2)

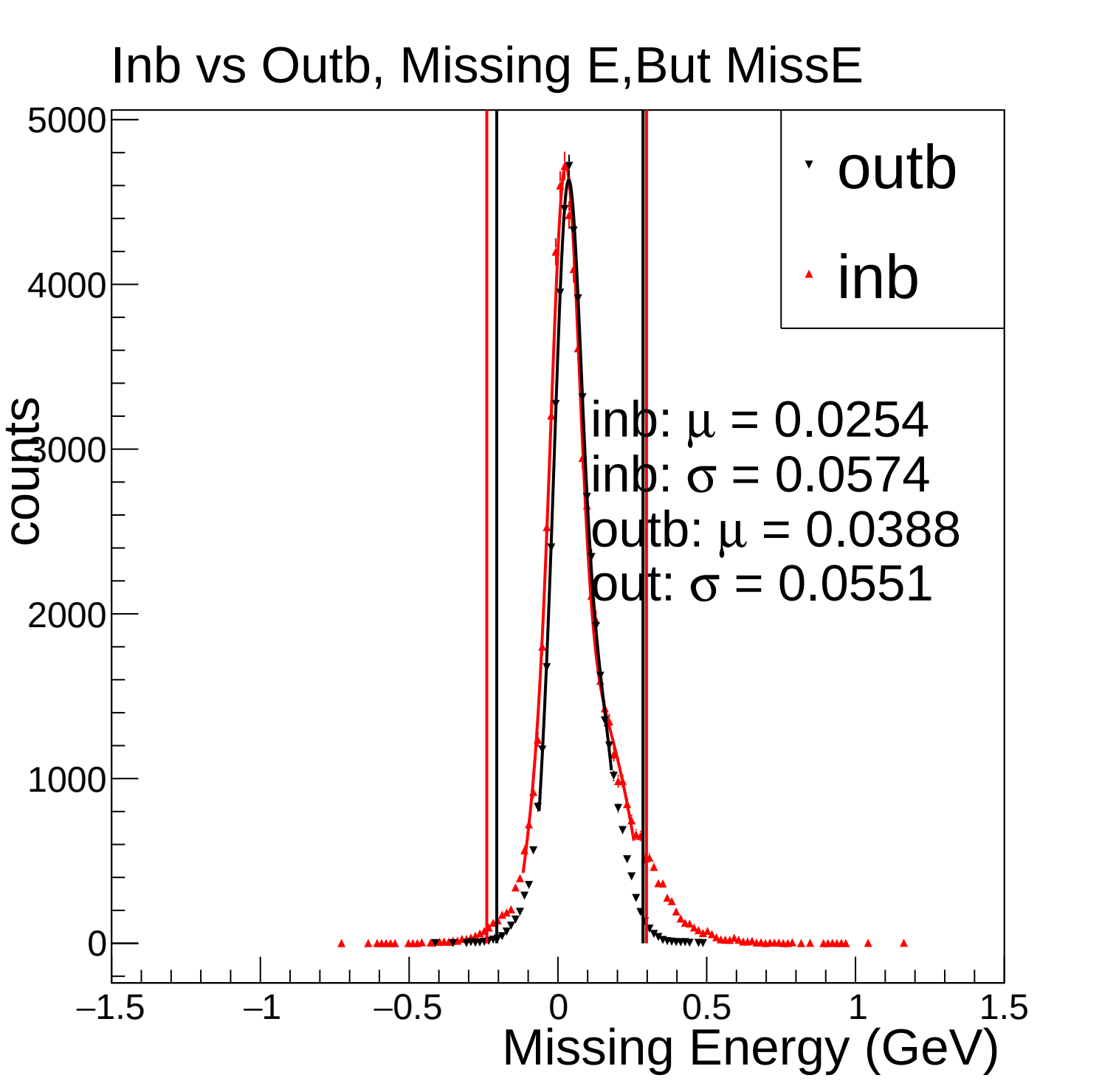

OUTB:-t vs Q2, PassAll,1.0107<Mass(K +K -)<1.0287
Q2 (GeV2)
-t (GeV2)

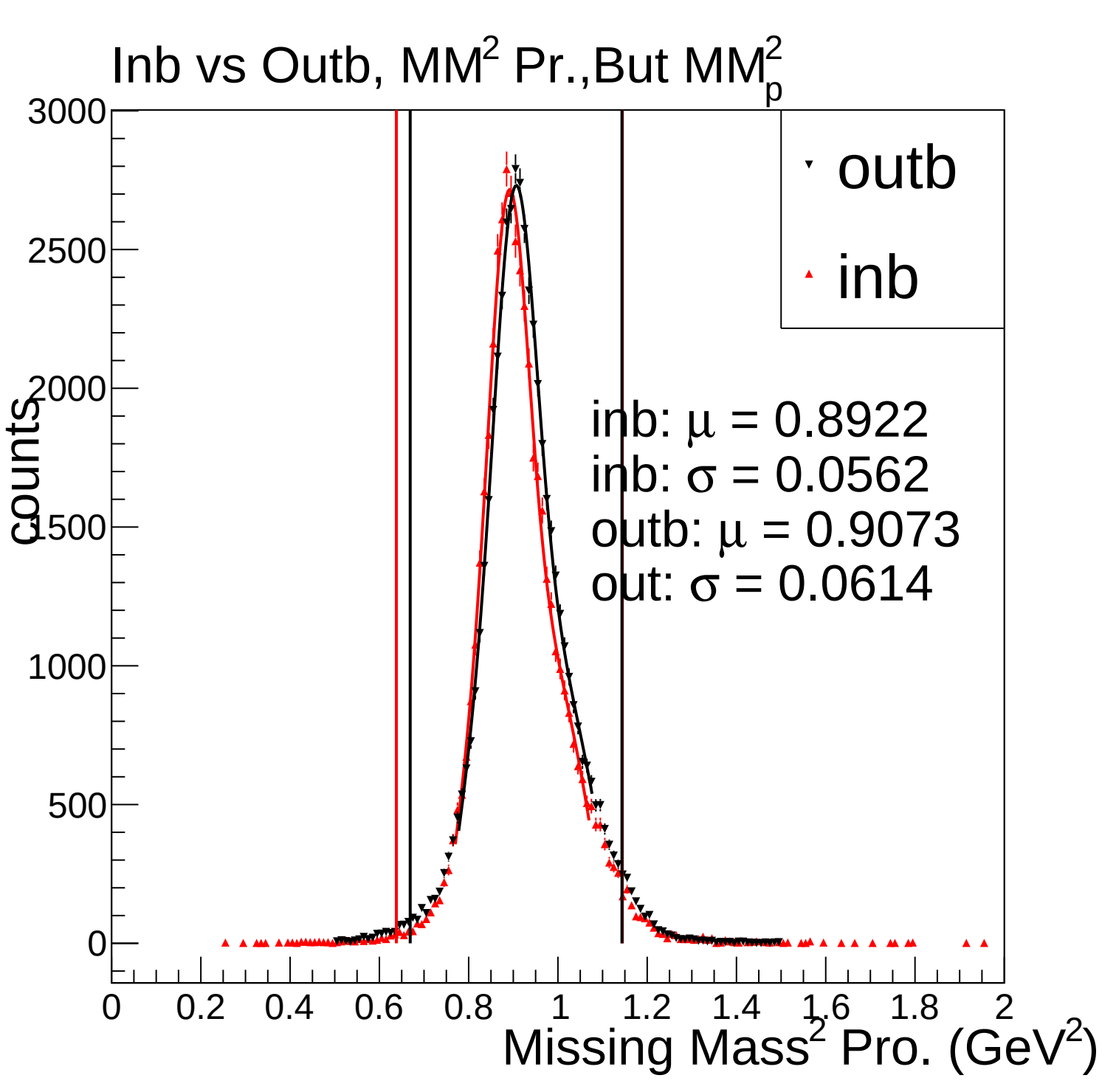

INB:-t vs X_b PassAll,1.0107<Mass(K+K-)<1.0287
X_b
-t (GeV^2)
0
0.2
0.4
0.6
0.8
1
0
1
2
3
4
5
6
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

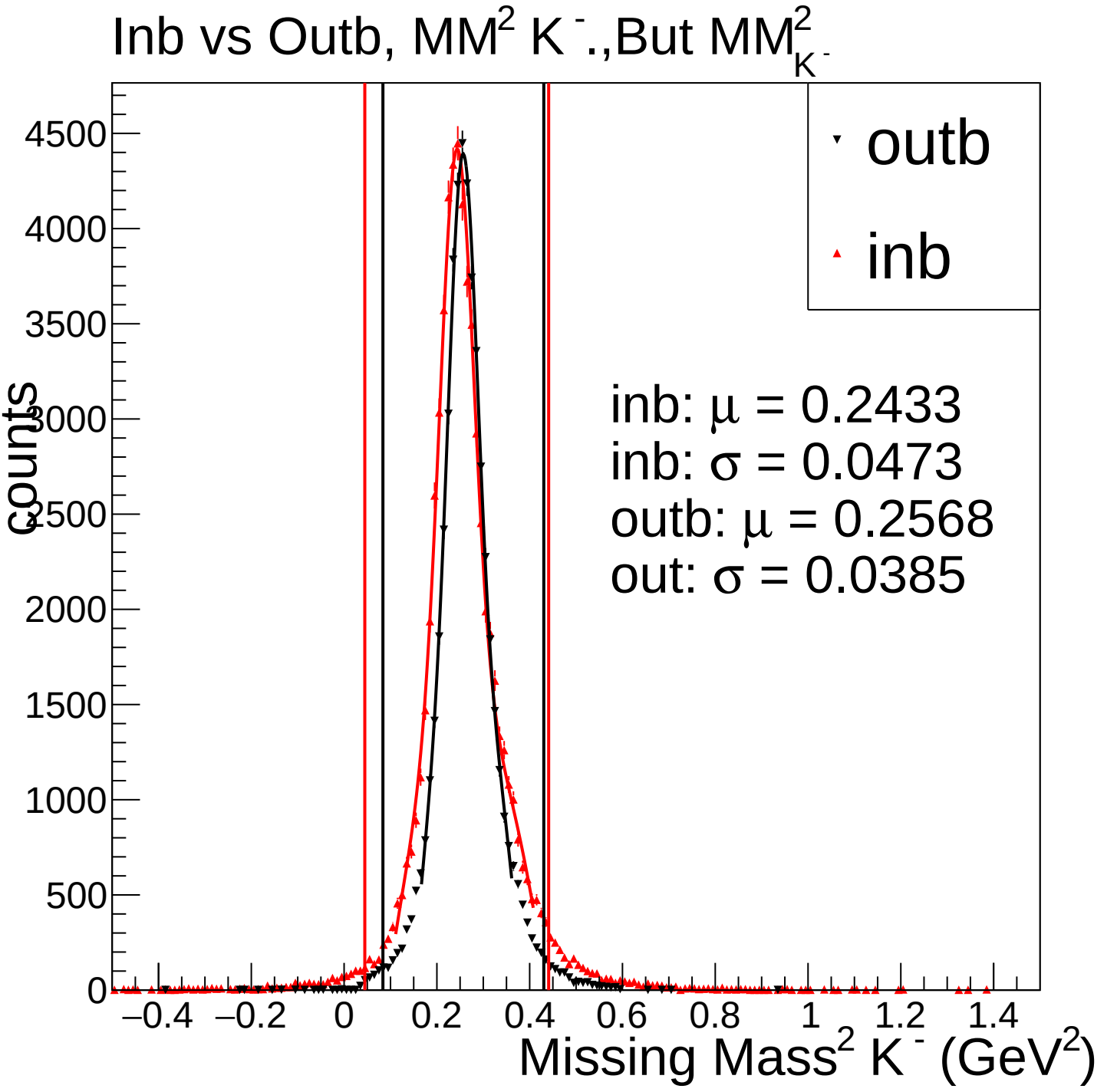

OUTB:-t vs X_b PassAll,1.0107<Mass(K+K-)<1.0287
X_b
-t (GeV^2)
0
0.2
0.4
0.6
0.8
1
0
1
2
3
4
5
6
0
1
2
3
4
5
6
7

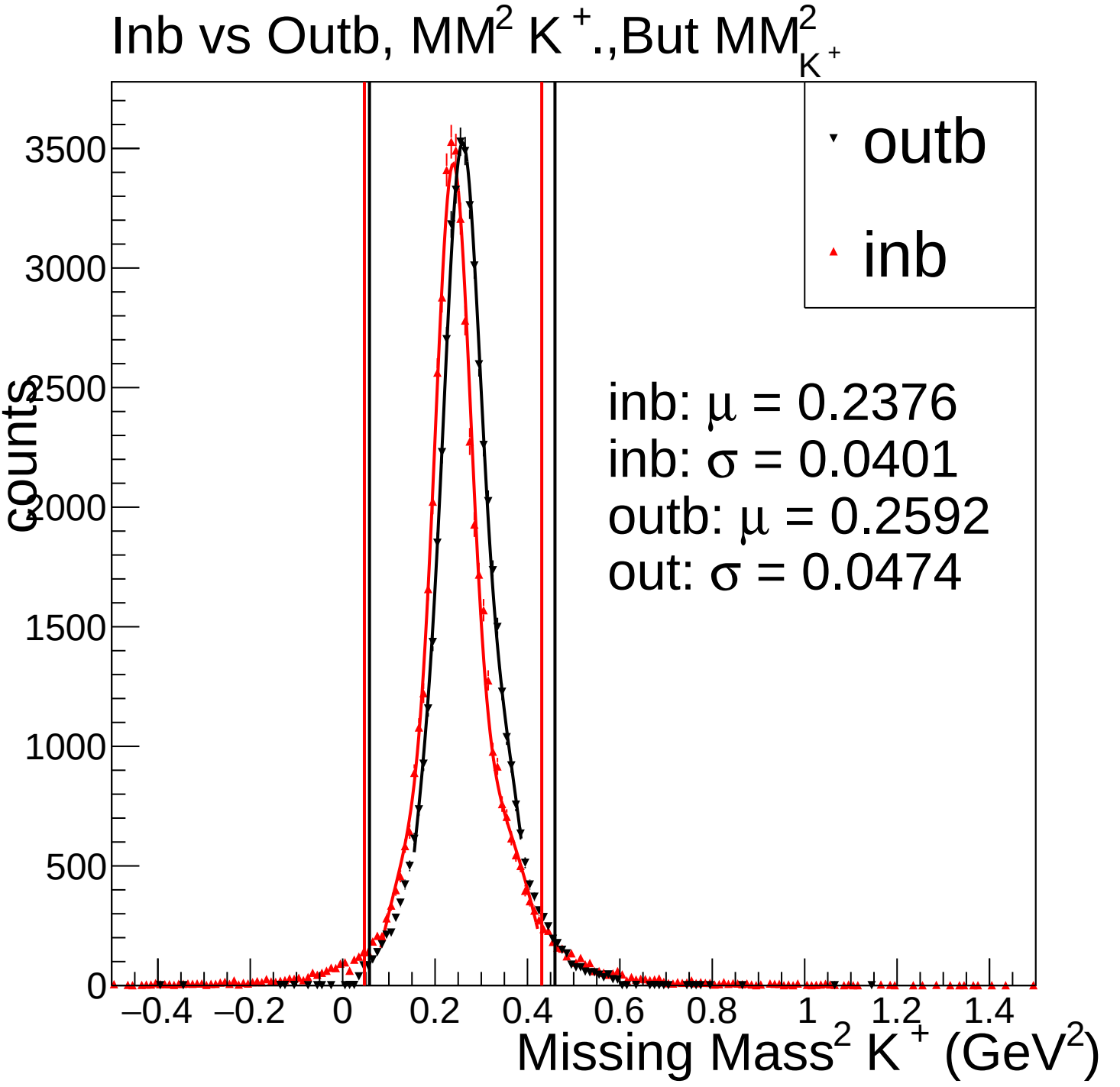

INB:-t vs W PassAll,1.0107<Mass(K+K-)<1.0287
W (GeV)
-t (GeV2)

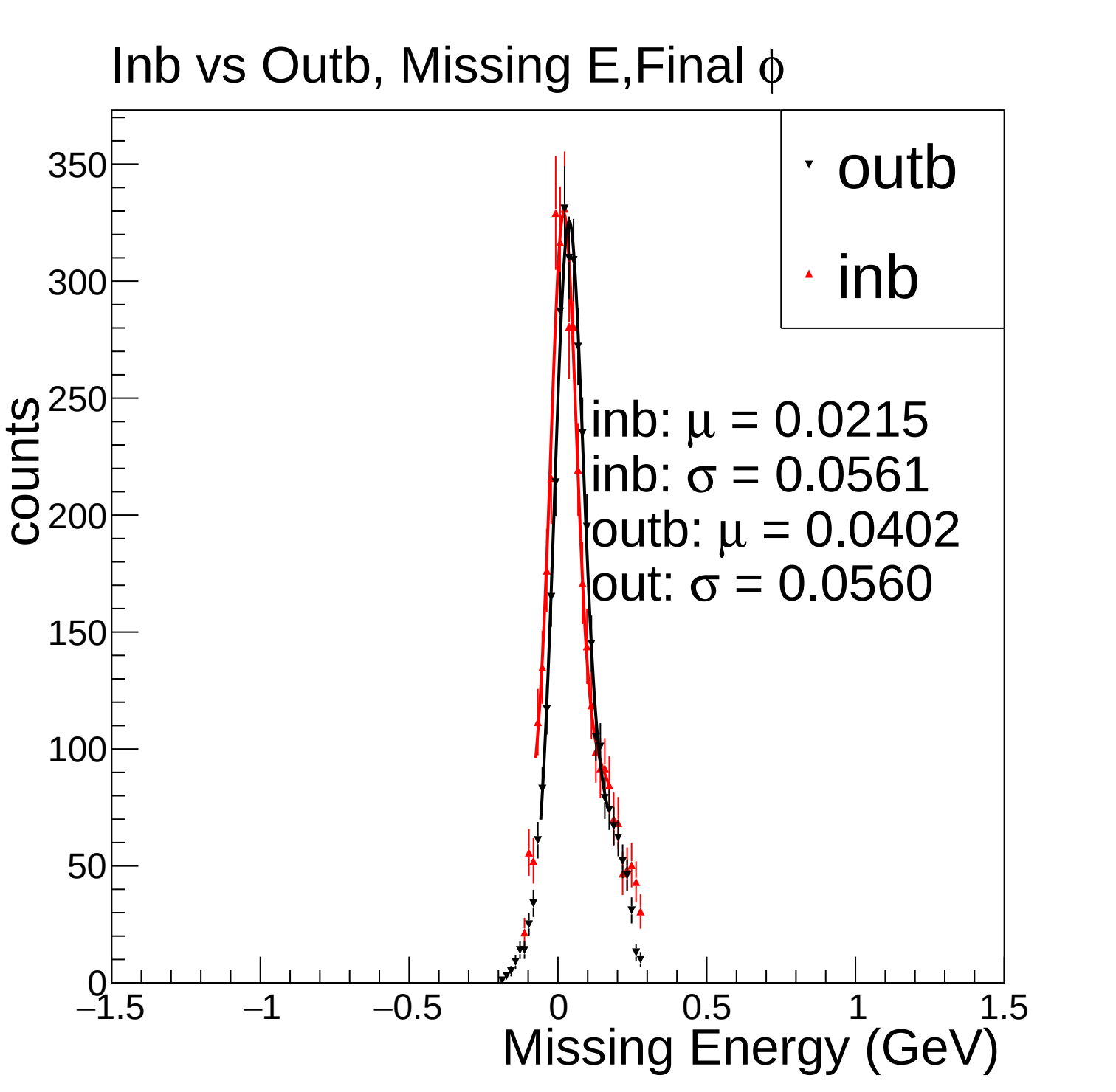

OUTB:-t vs W PassAll,1.0107<Mass(K+K-)<1.0287
W (GeV)
-t (GeV2)

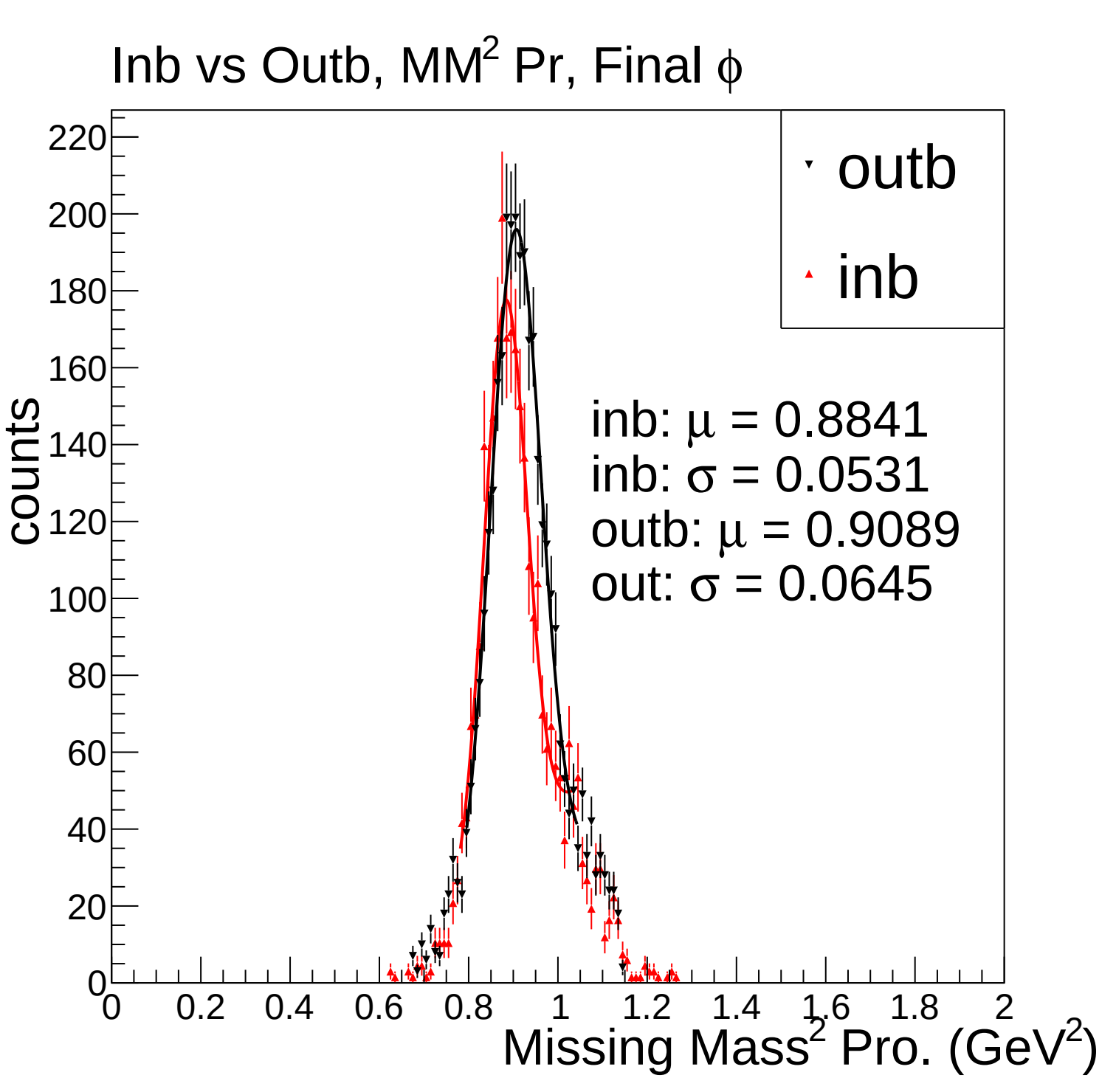

Inb vs Outb, Missing E,But MissE
outb
inb
inb: μ = 0.0254
inb: σ = 0.0574
outb: μ = 0.0388
out: σ = 0.0551
counts
Missing Energy (GeV)
5000
4000
3000
2000
1000
0
–1.5
–1
–0.5
0
0.5
1
1.5

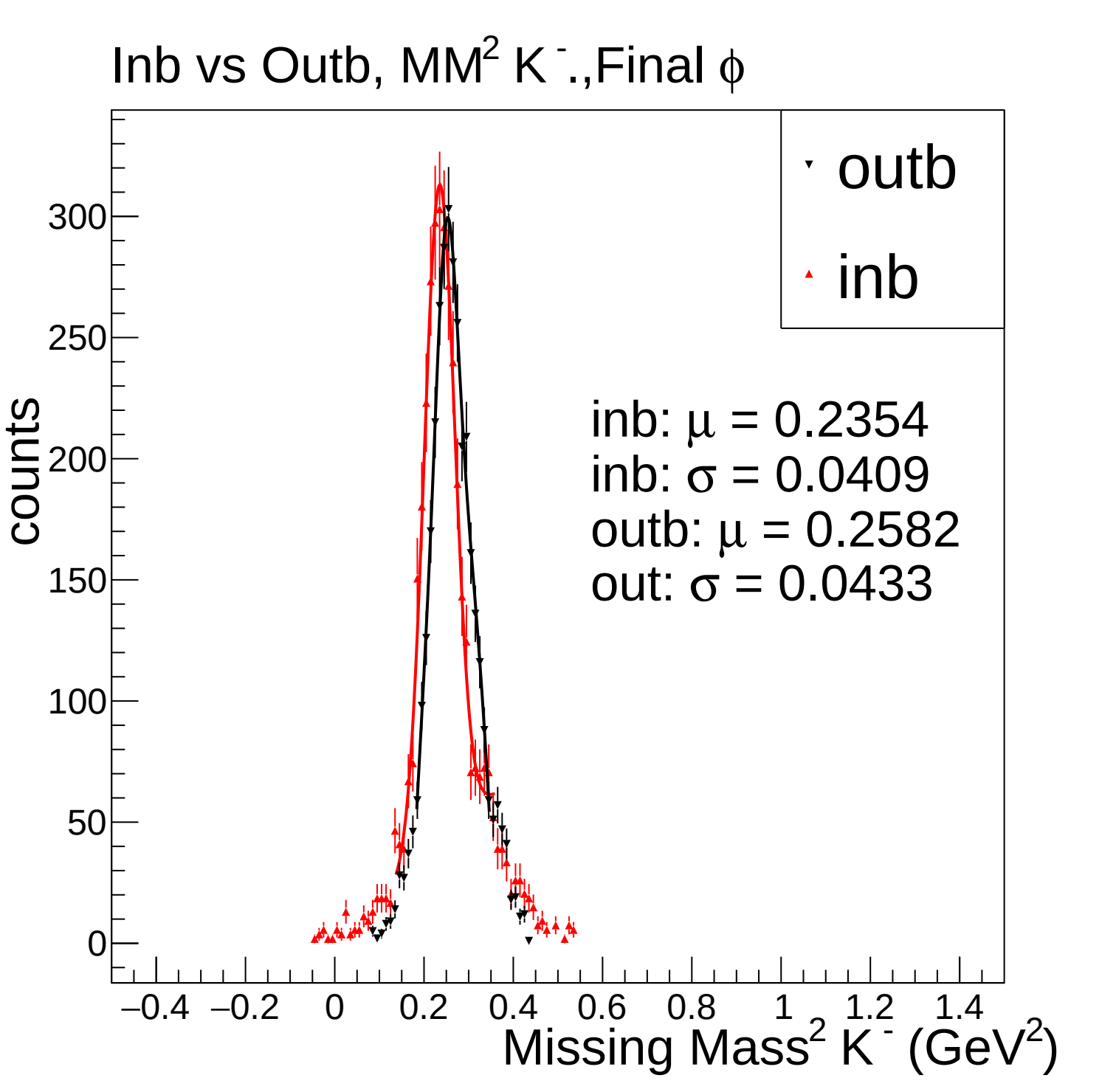

Inb vs Outb, MM2 Pr.,But MM2p
outb
inb
inb: μ = 0.8922
inb: σ = 0.0562
outb: μ = 0.9073
out: σ = 0.0614
counts
Missing Mass2 Pro. (GeV2)
0
500
1000
1500
2000
2500
3000
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

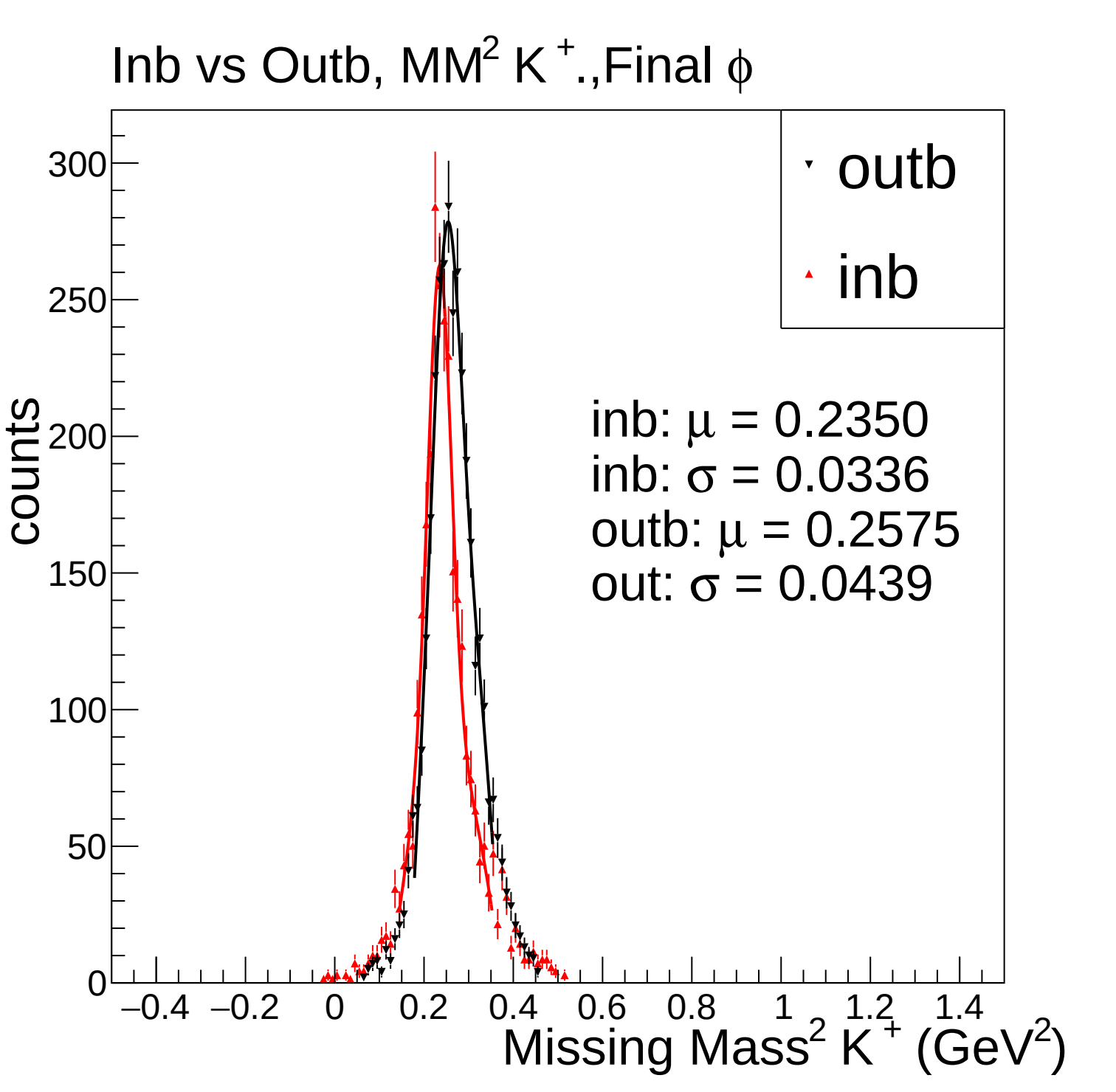

Inb vs Outb, MM2 K-.,But MM2K-
outb
inb
inb: μ = 0.2433
inb: σ = 0.0473
outb: μ = 0.2568
out: σ = 0.0385
counts
Missing Mass2 K- (GeV2)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

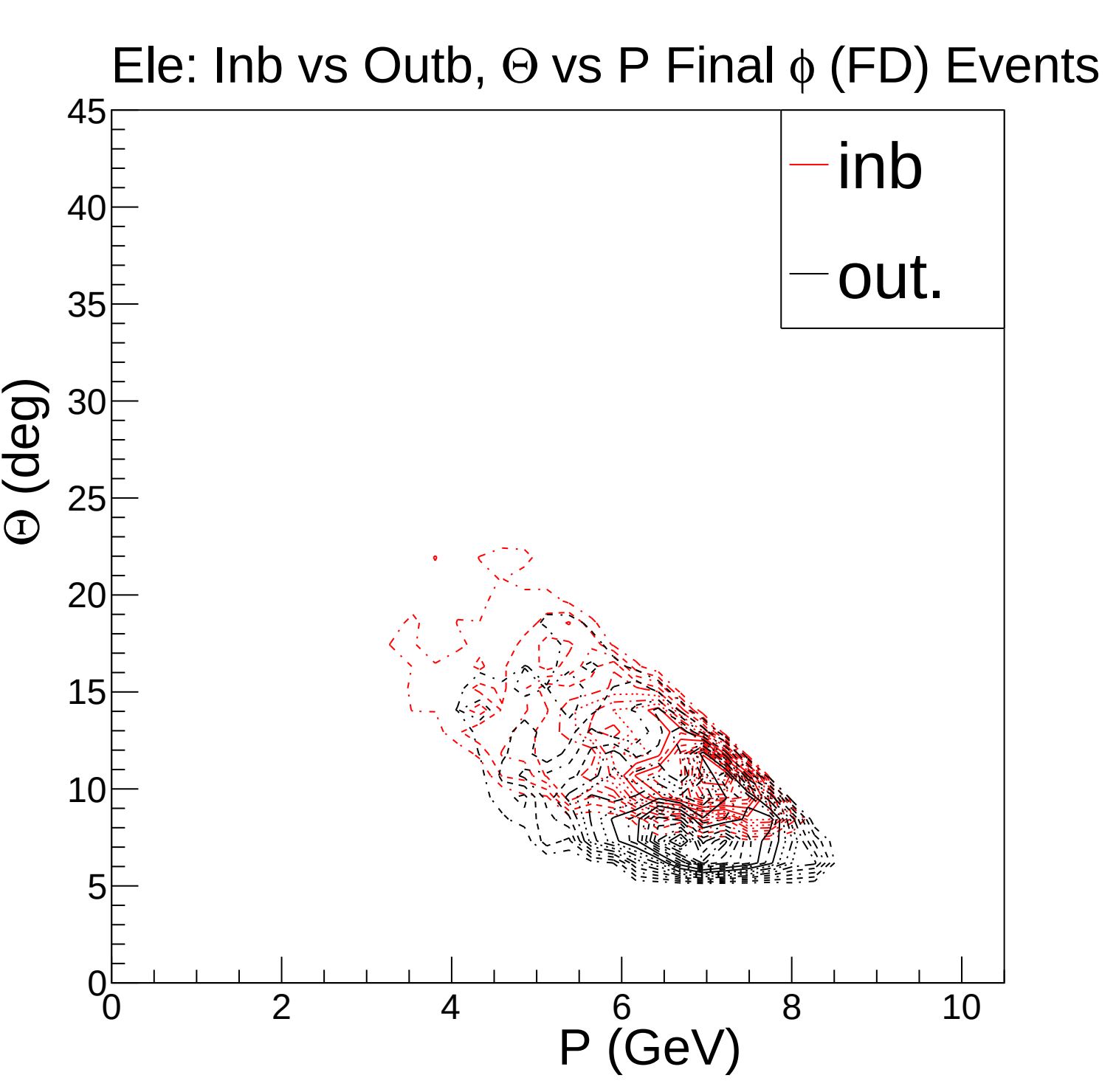

Inb vs Outb, MM^2 K$^+$.,But MM$^2_{K^+}$
outb
inb
inb: μ = 0.2376
inb: σ = 0.0401
outb: μ = 0.2592
out: σ = 0.0474
counts
Missing Mass^2 K$^+$ (GeV^2)
3500
3000
2500
2000
1500
1000
500
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

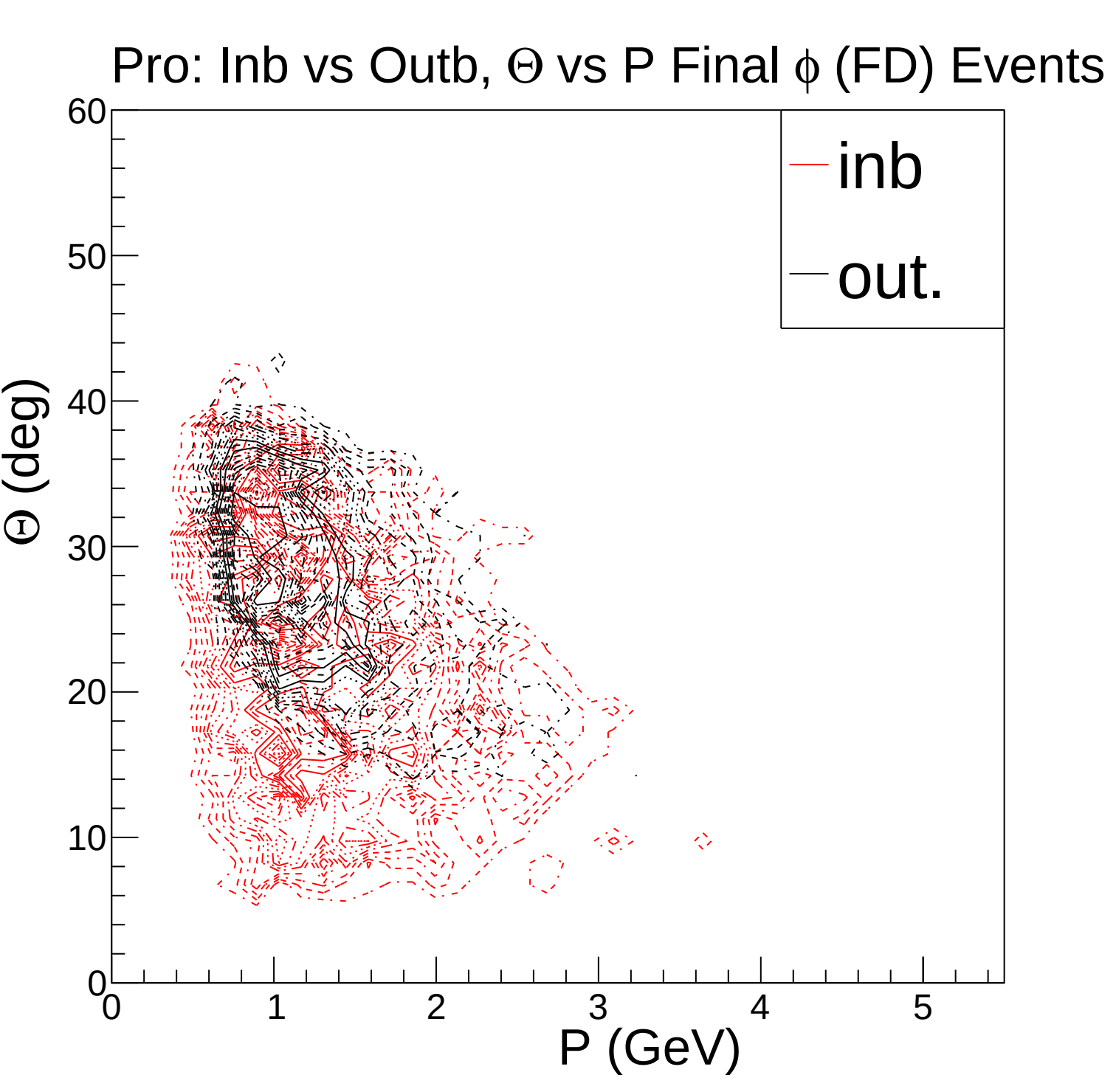

Inb vs Outb, Missing E,Final ϕ
outb
inb
inb: μ = 0.0215
inb: σ = 0.0561
outb: μ = 0.0402
out: σ = 0.0560
counts
Missing Energy (GeV)
0
50
100
150
200
250
300
350
–1.5
–1
–0.5
0
0.5
1
1.5

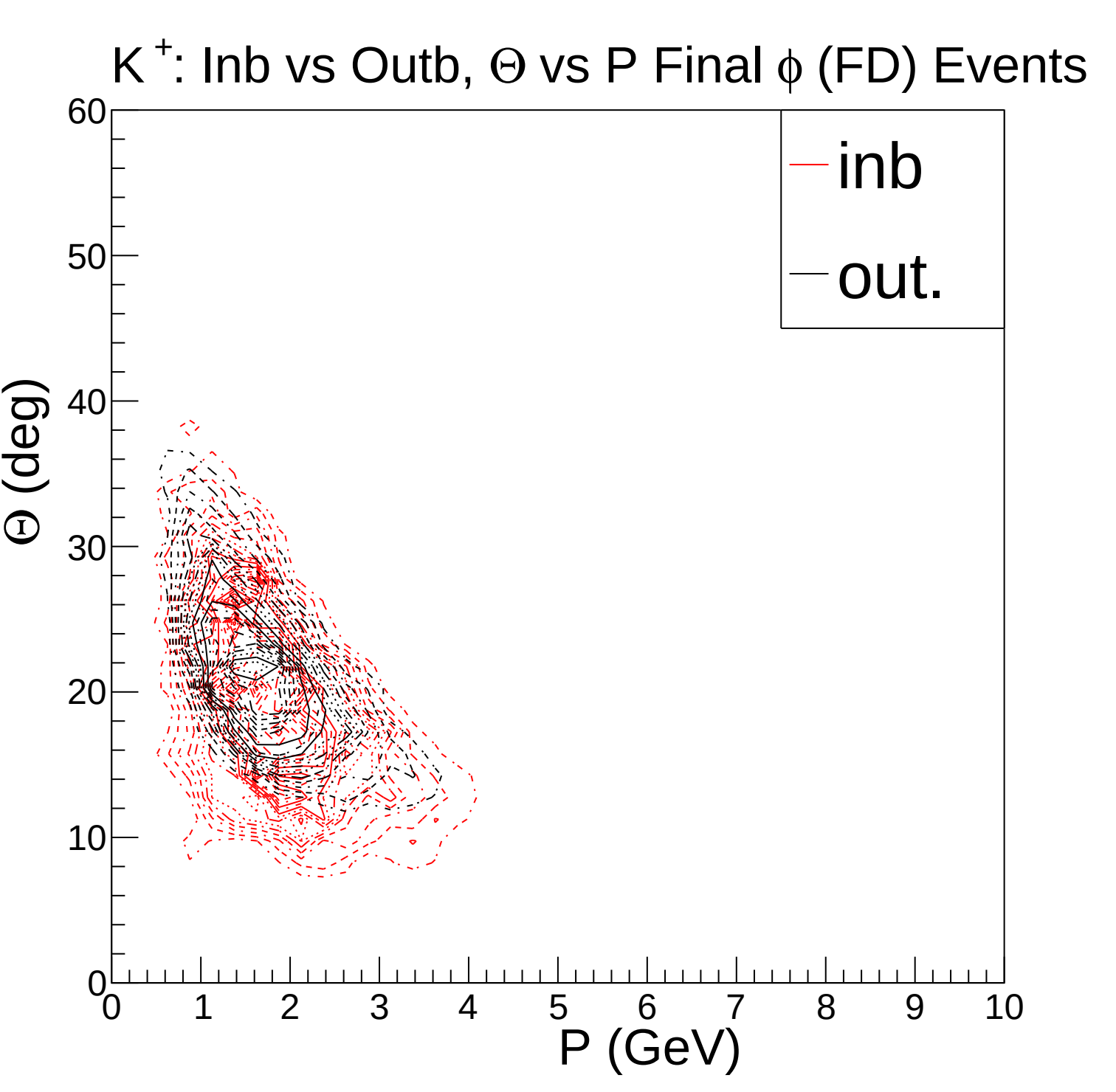

Inb vs Outb, MM^2 Pr, Final ϕ
outb
inb
inb: μ = 0.8841
inb: σ = 0.0531
outb: μ = 0.9089
out: σ = 0.0645
counts
Missing Mass^2 Pro. (GeV^2)
0
20
40
60
80
100
120
140
160
180
200
220
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

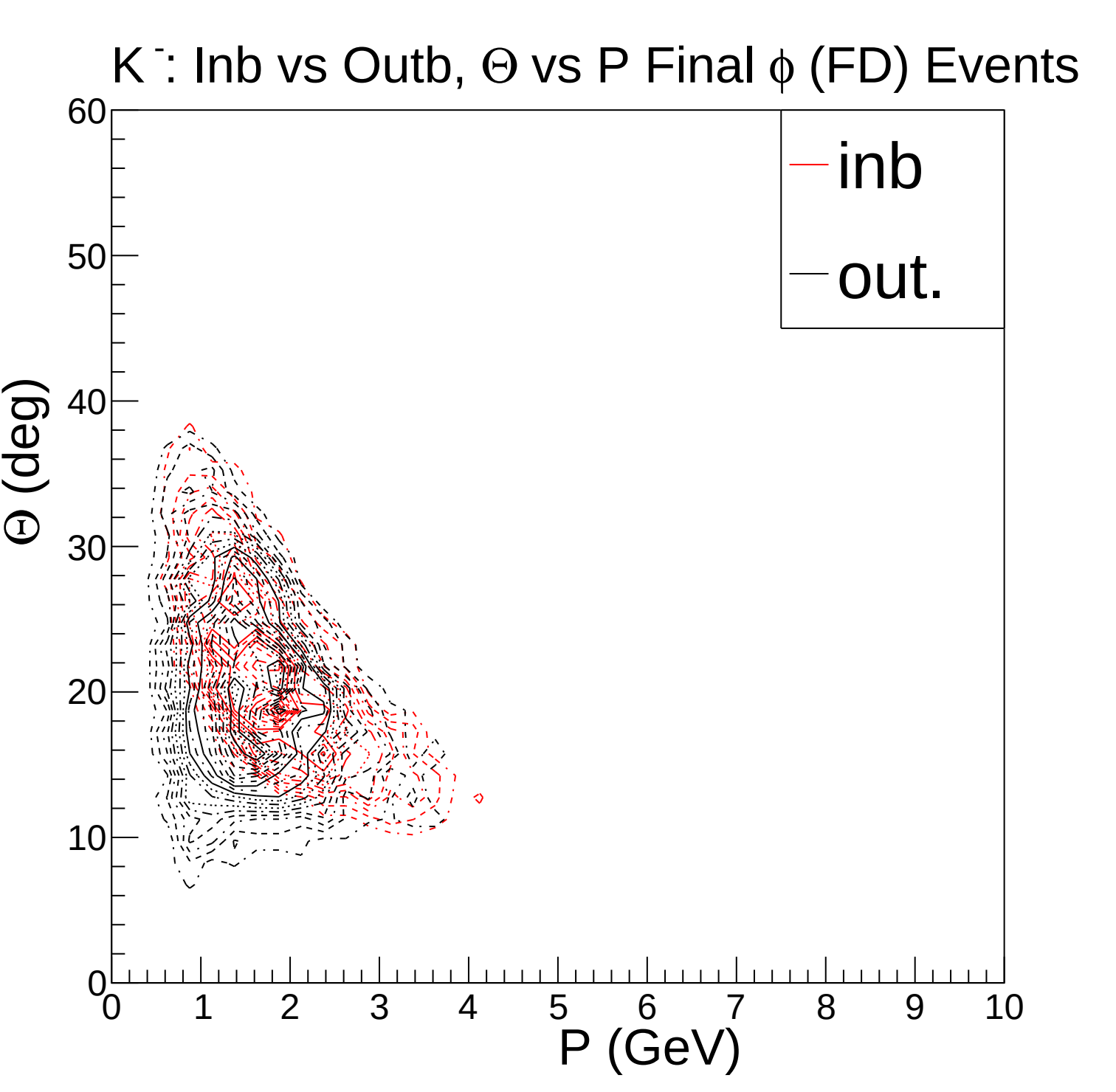

Inb vs Outb, MM^2 K$^-$.,Final ϕ
outb
inb
inb: μ = 0.2354
inb: σ = 0.0409
outb: μ = 0.2582
out: σ = 0.0433
counts
300
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
Missing Mass^2 K$^-$ (GeV^2)

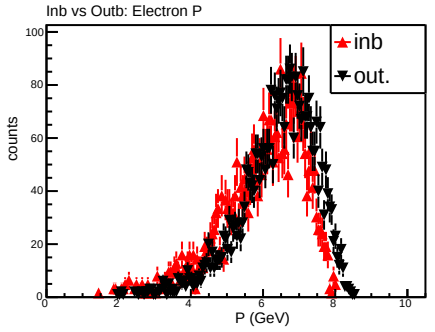

Inb vs Outb, MM^2 K$^+$.,Final ϕ
outb
inb
inb: μ = 0.2350
inb: σ = 0.0336
outb: μ = 0.2575
out: σ = 0.0439
counts
0
50
100
150
200
250
300
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
Missing Mass^2 K$^+$ (GeV^2)

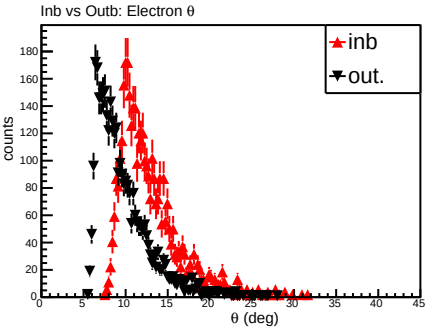

Ele: Inb vs Outb, Θ vs P Final ϕ (FD) Events
inb
out.
Θ (deg)
P (GeV)
0
5
10
15
20
25
30
35
40
45
0
2
4
6
8
10

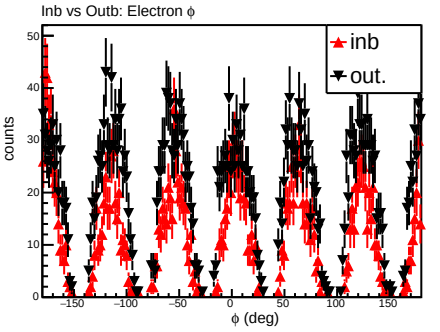

Pro: Inb vs Outb, Θ vs P Final ϕ (FD) Events
inb
out.
Θ (deg)
P (GeV)
0
10
20
30
40
50
60
0
1
2
3
4
5

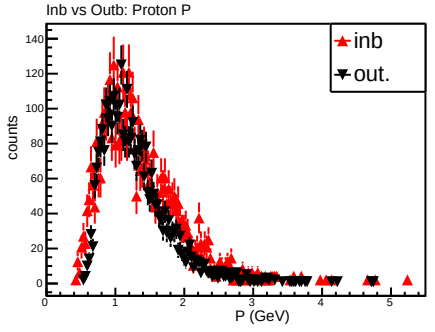

K +: Inb vs Outb, Θ vs P Final ϕ (FD) Events
inb
out.
Θ (deg)
P (GeV)
0
10
20
30
40
50
60
0
1
2
3
4
5
6
7
8
9
10

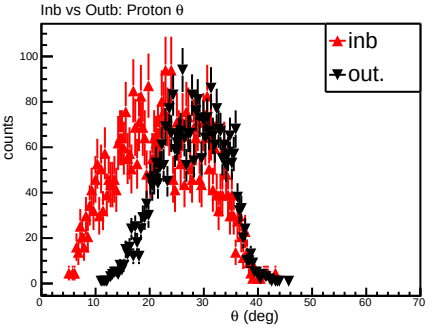

K⁻: Inb vs Outb, Θ vs P Final ϕ (FD) Events
inb
out.
Θ (deg)
P (GeV)
0
10
20
30
40
50
60
0
1
2
3
4
5
6
7
8
9
10

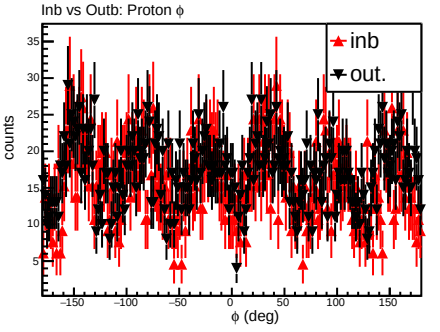

Inb vs Outb: Electron P
inb
out.
counts
P (GeV)

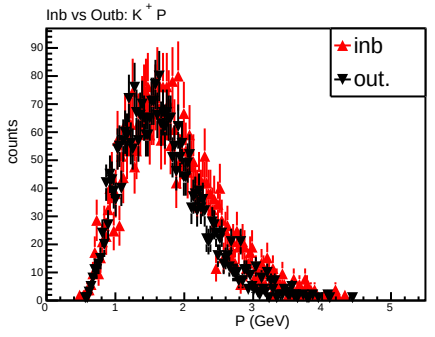

Inb vs Outb: Electron θ
inb
out.
counts
θ (deg)

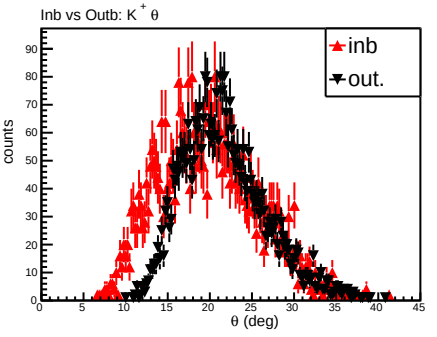

Inb vs Outb: Electron ϕ
inb
out.
counts
ϕ (deg)

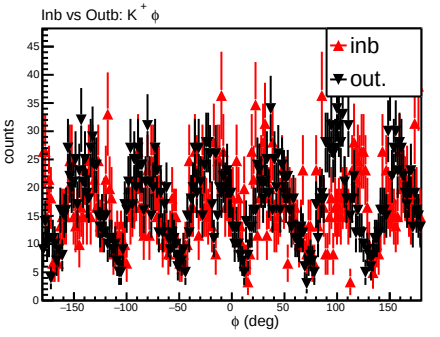

Inb vs Outb: Proton P
inb
out.
counts
P (GeV)

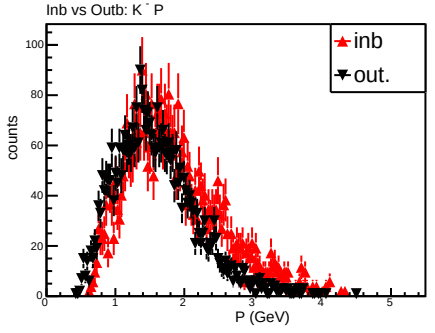

Inb vs Outb: Proton θ
inb
out.
counts
θ (deg)

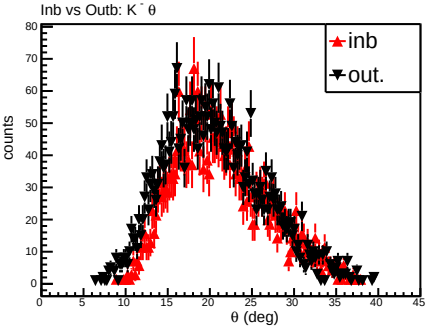

Inb vs Outb: Proton ϕ
inb
out.
counts
ϕ (deg)

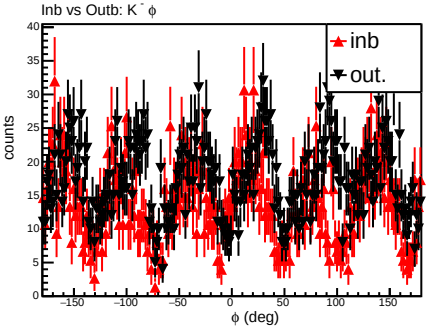

Inb vs Outb: K+ P
inb
out.
counts
P (GeV)

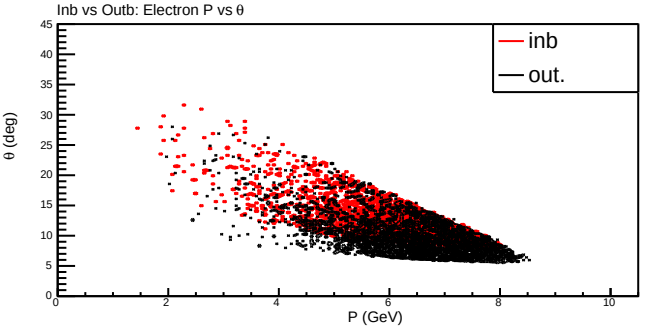

Inb vs Outb: K+ θ
inb
out.
counts
θ (deg)

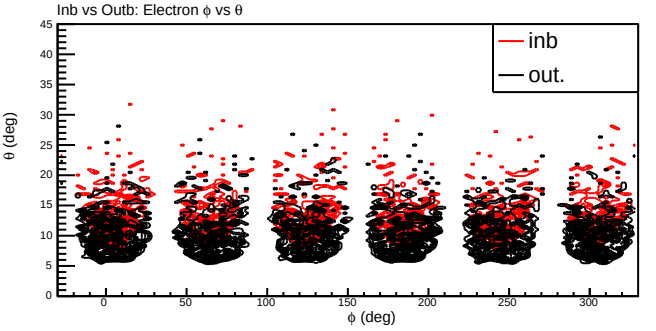

Inb vs Outb: K+ ϕ
inb
out.
counts
ϕ (deg)

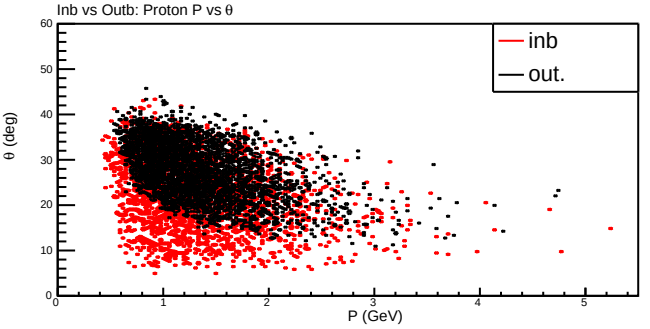

Inb vs Outb: K- P
inb
out.
counts
P (GeV)

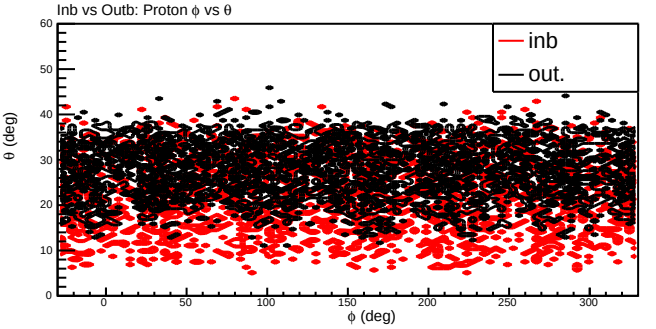

Inb vs Outb: K- θ
inb
out.
counts
θ (deg)

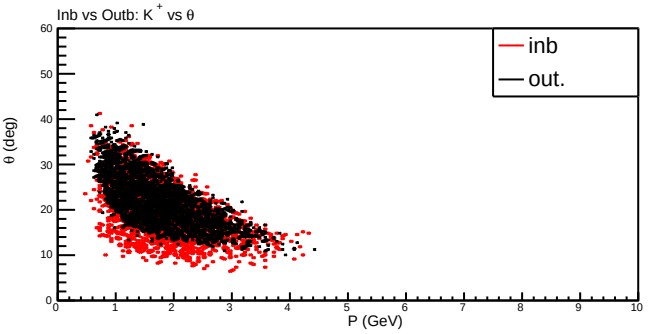

Inb vs Outb: K- ϕ
inb
out.
counts
ϕ (deg)

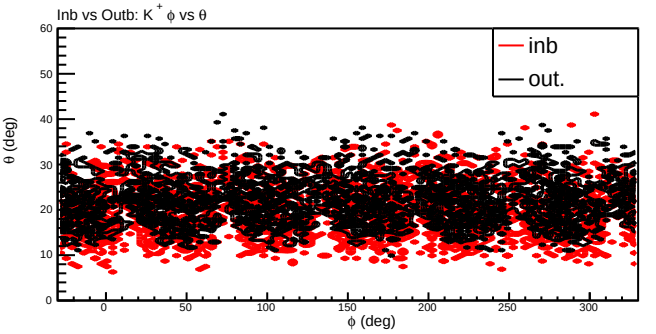

Inb vs Outb: Electron P vs θ
inb
out.
θ (deg)
P (GeV)

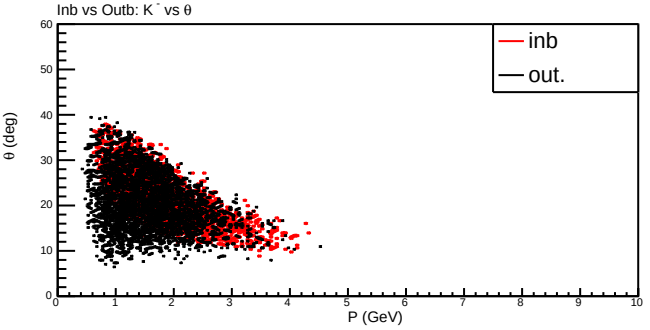

Inb vs Outb: Electron ϕ vs θ
inb
out.
θ (deg)
ϕ (deg)

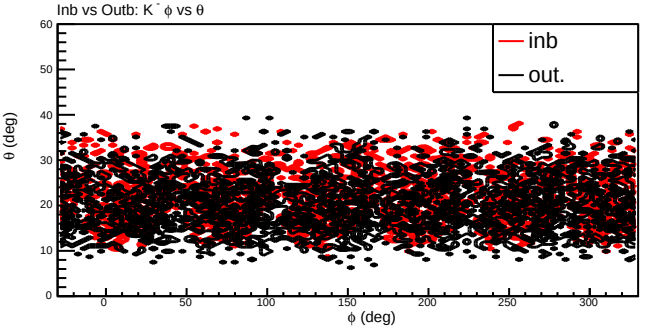

Inb vs Outb: Proton P vs θ
inb
out.
θ (deg)
P (GeV)

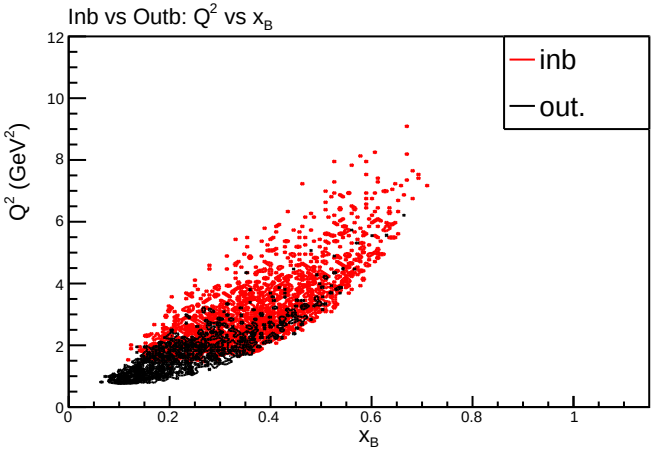

Inb vs Outb: Proton ϕ vs θ
inb
out.
θ (deg)
ϕ (deg)

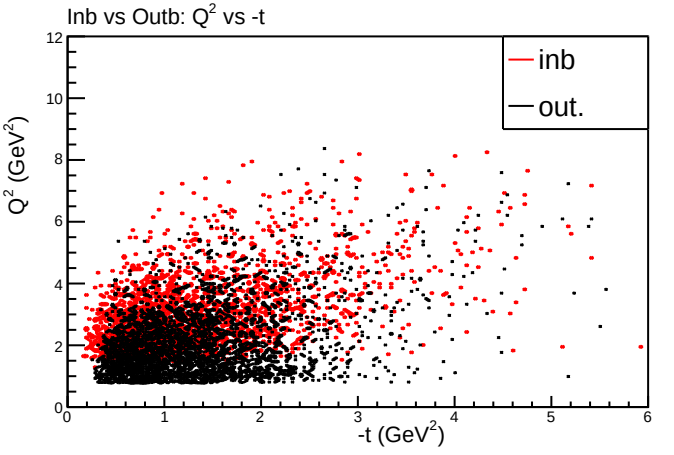

Inb vs Outb: K+ vs θ
inb
out.
θ (deg)
P (GeV)

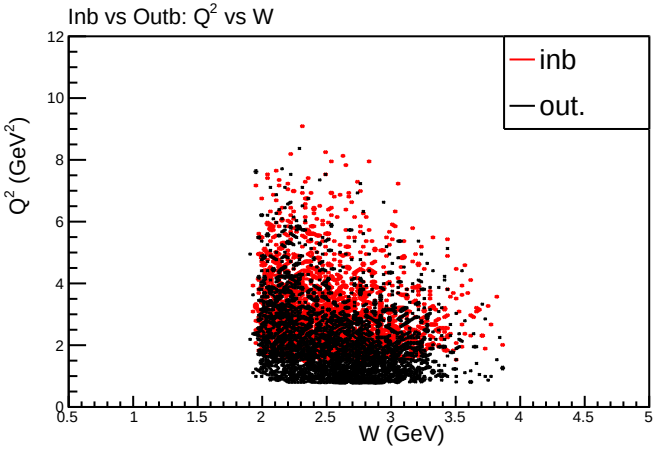

Inb vs Outb: K+ ϕ vs θ
inb
out.
θ (deg)
ϕ (deg)

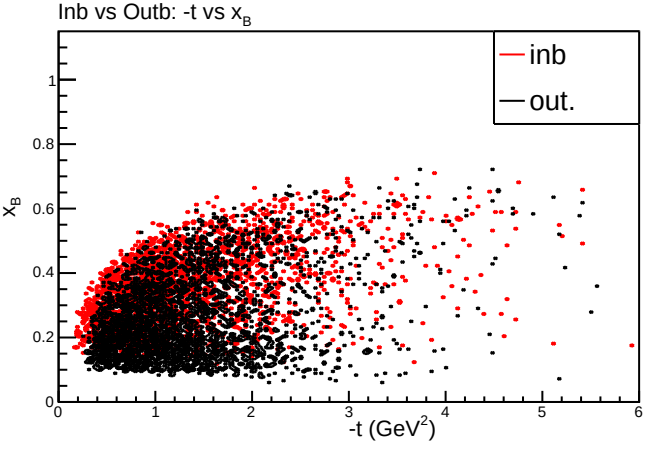

Inb vs Outb: K- vs θ
inb
out.
θ (deg)
P (GeV)

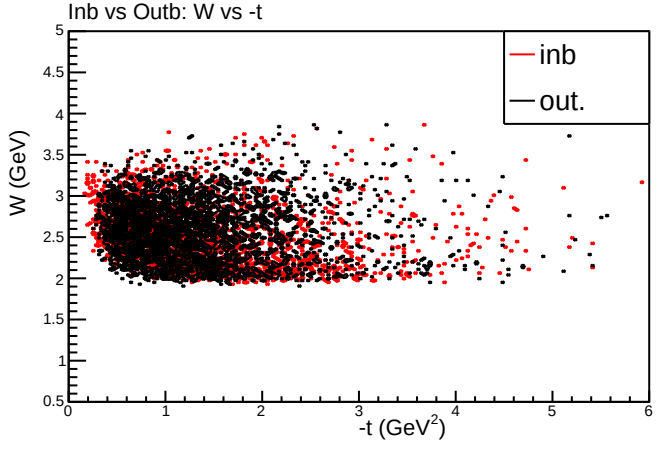

Inb vs Outb: K- ϕ vs θ
inb
out.
θ (deg)
ϕ (deg)

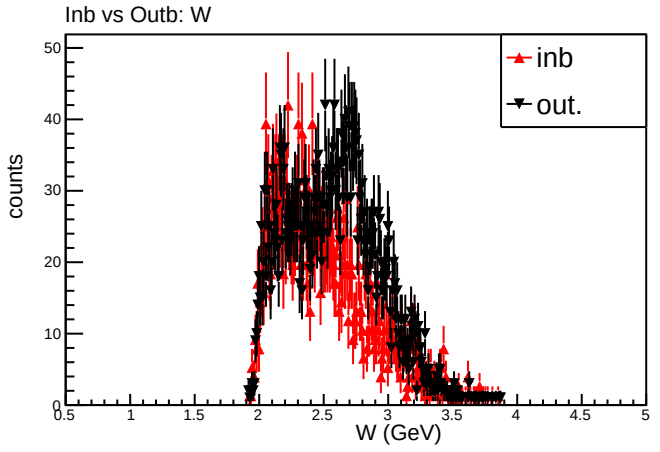

Inb vs Outb: Q² vs x_B
inb
out.
Q² (GeV²)
x_B

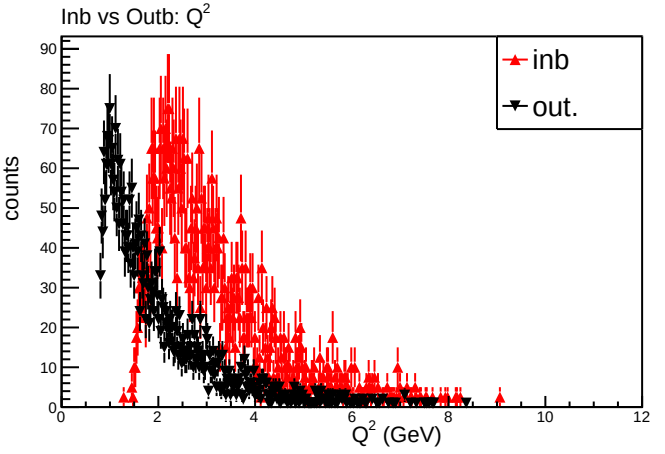

Inb vs Outb: Q² vs -t
inb
out.
Q² (GeV²)
-t (GeV²)

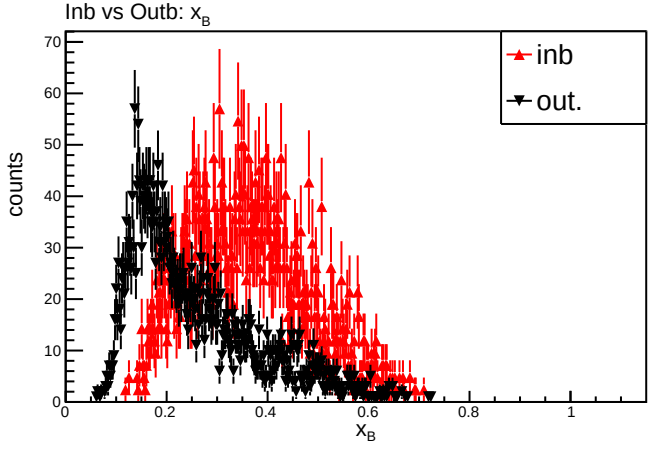

Inb vs Outb: Q² vs W
inb
out.
Q² (GeV²)
W (GeV)

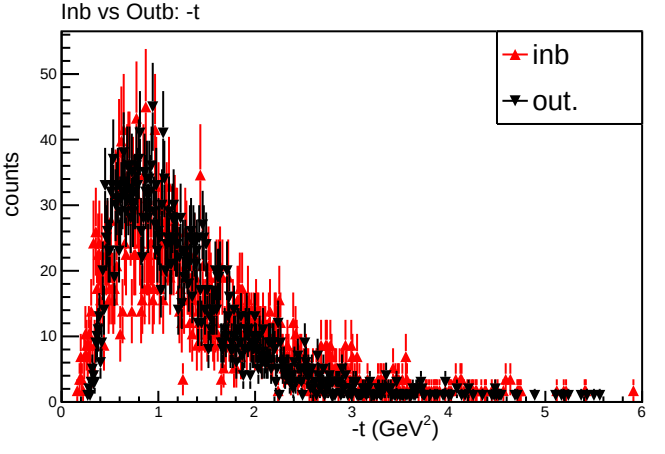

Inb vs Outb: -t vs x_B
inb
out.
x_B
-t (GeV²)

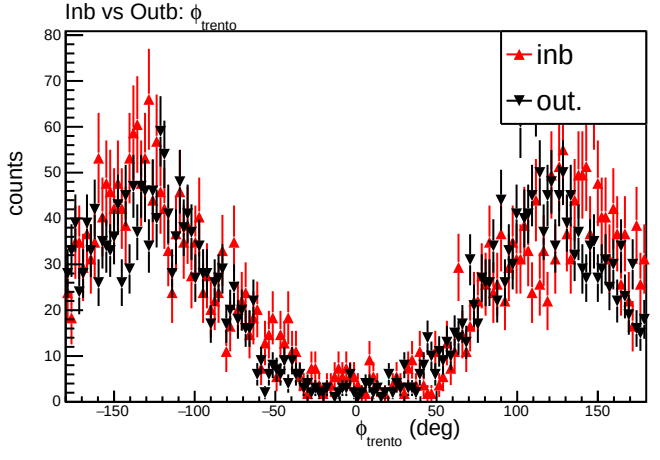

Inb vs Outb: W vs -t
inb
out.
W (GeV)
-t (GeV²)


Inb vs Outb: W
inb
out.
counts
W (GeV)


Inb vs Outb: Q2
inb
out.
counts
Q2 (GeV)


Inb vs Outb: xB
inb
out.
counts
xB


Inb vs Outb: -t
inb
out.
counts
-t (GeV2)


Inb vs Outb: ϕtrento
inb
out.
counts
ϕtrento (deg)