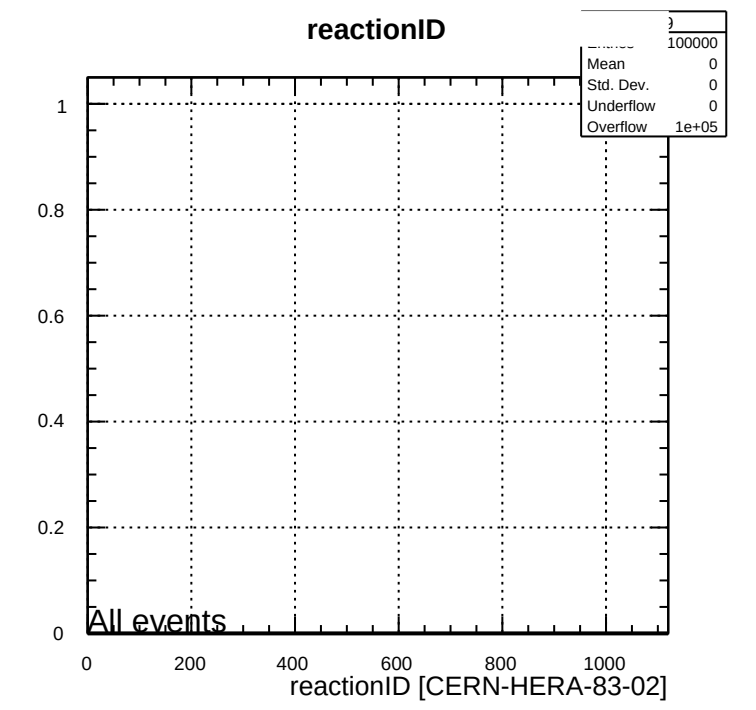
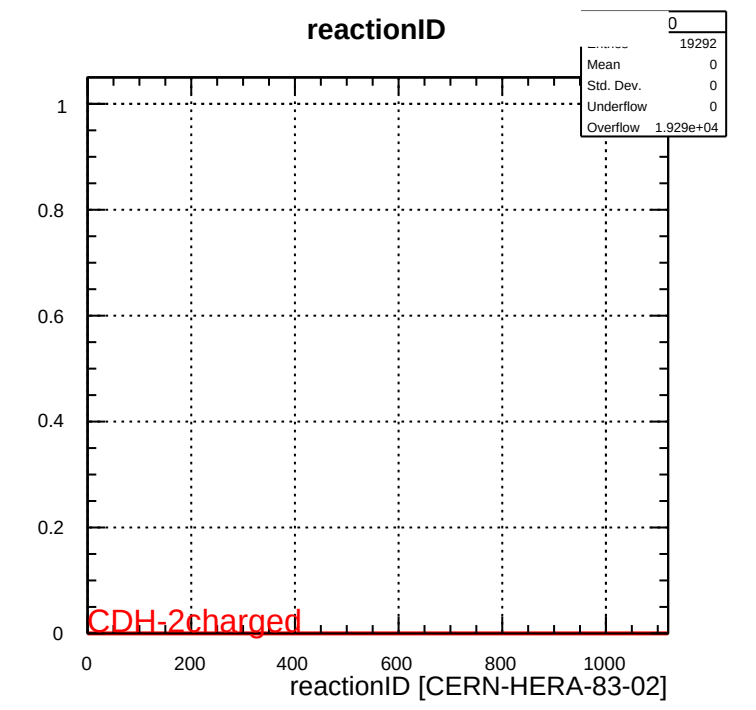
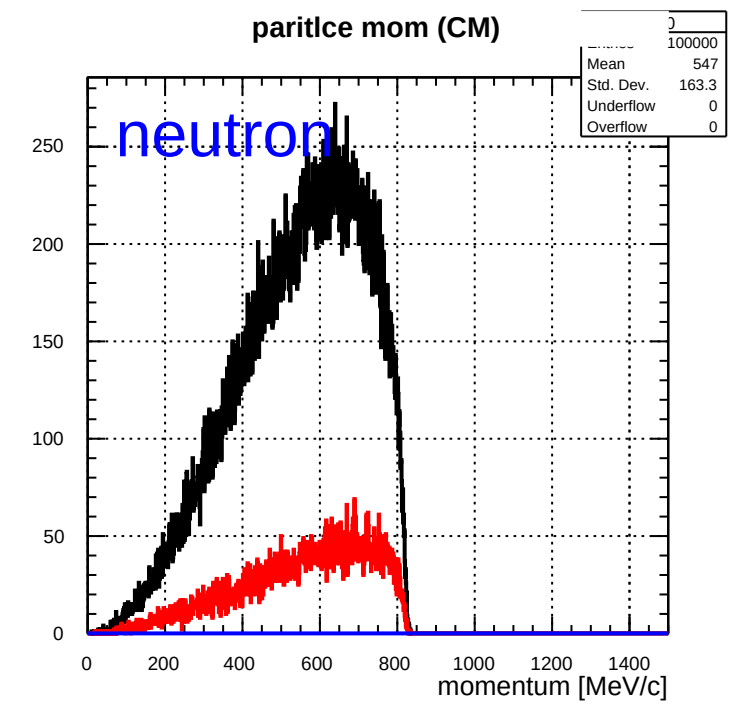
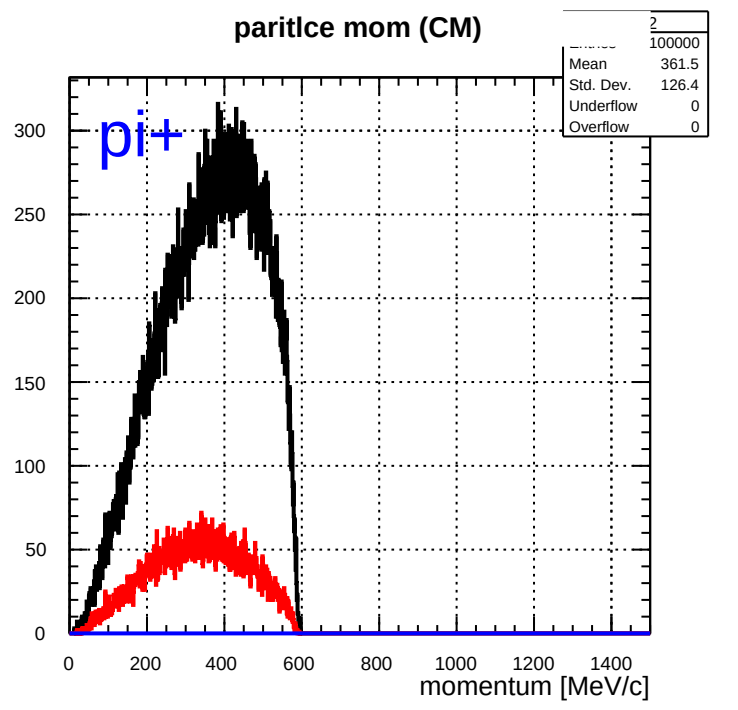
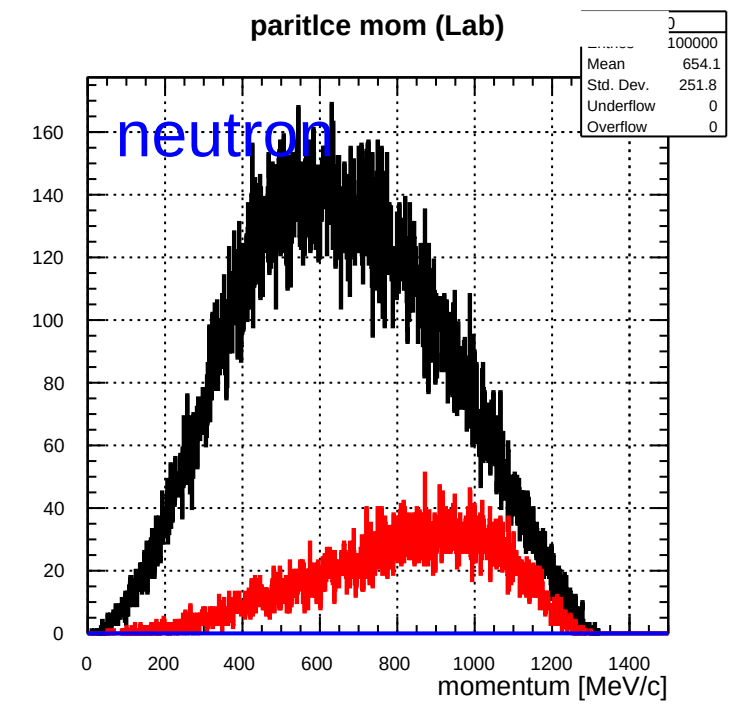
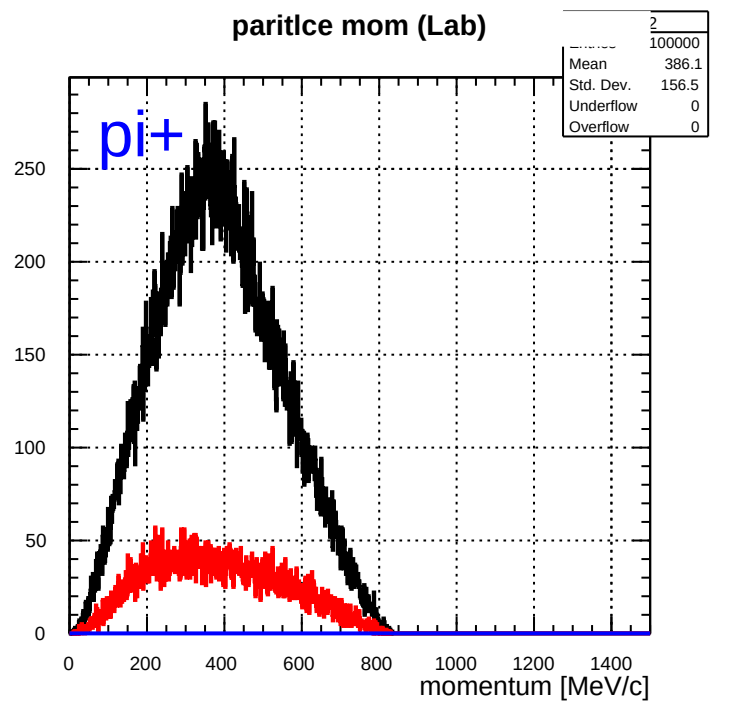

reactionID
Entries 100000
Mean 0
Std. Dev. 0
Underflow 0
Overflow 1e+05
All events
reactionID [CERN-HERA-83-02]

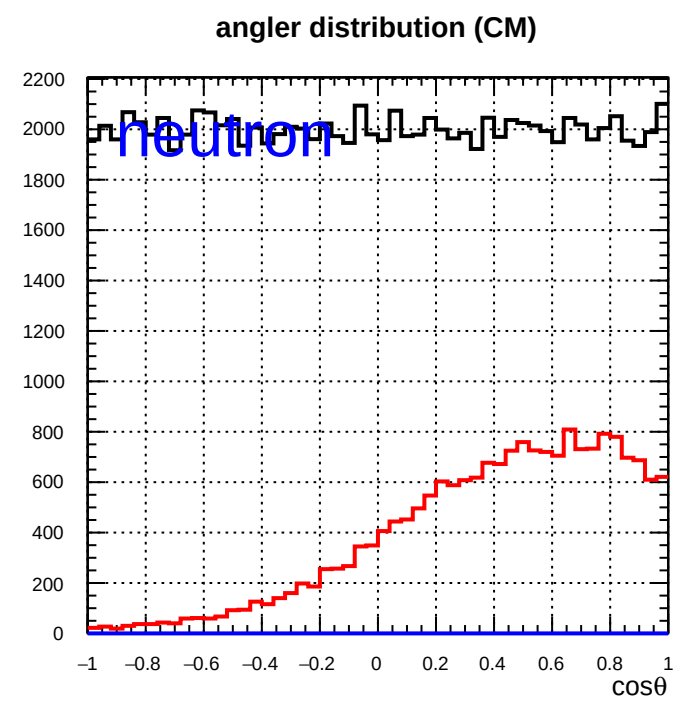

reactionID
Entries 19292
Mean 0
Std. Dev. 0
Underflow 0
Overflow 1.929e+04
CDH-2charged
reactionID [CERN-HERA-83-02]

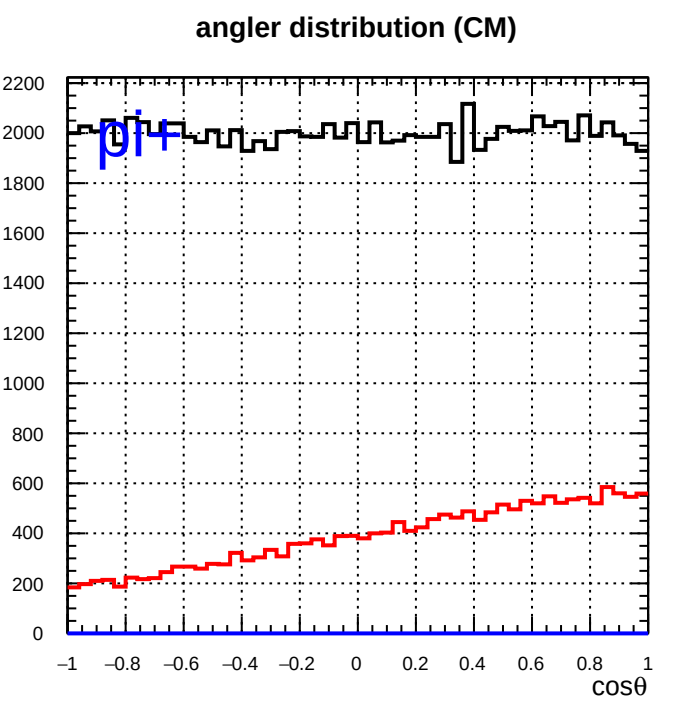

paritlce mom (CM)
100000
Mean 547
Std. Dev. 163.3
Underflow 0
Overflow 0
neutron
0
50
100
150
200
250
0
200
400
600
800
1000
1200
1400
momentum [MeV/c]

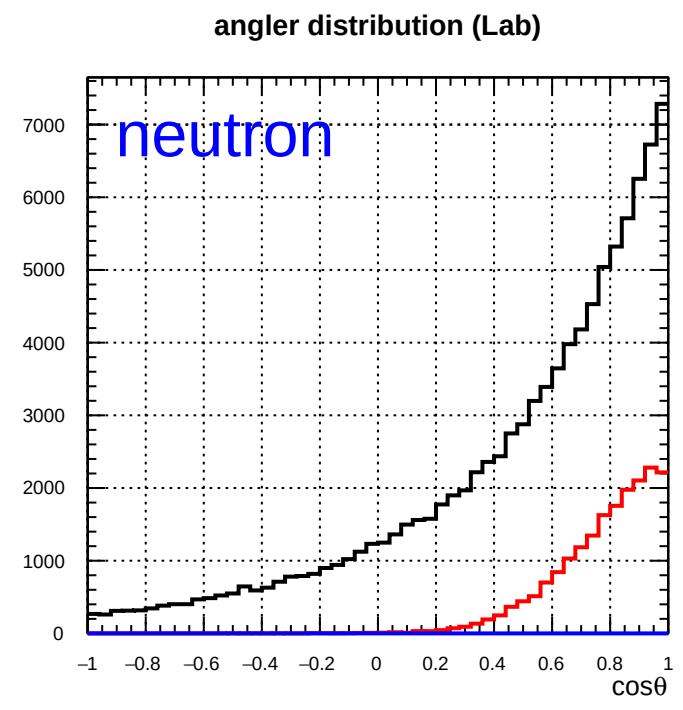

paritlce mom (CM)
100000
Mean 361.5
Std. Dev. 126.4
Underflow 0
Overflow 0
pi+
0
50
100
150
200
250
300
0
200
400
600
800
1000
1200
1400
momentum [MeV/c]

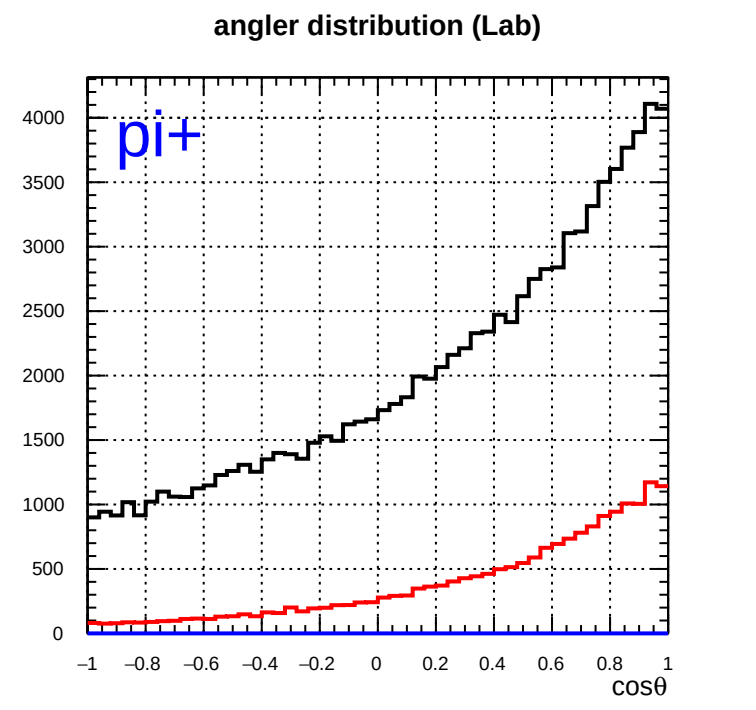

paritlce mom (Lab)
100000
Mean 654.1
Std. Dev. 251.8
Underflow 0
Overflow 0
neutron
0 20 40 60 80 100 120 140 160
0 200 400 600 800 1000 1200 1400
momentum [MeV/c]

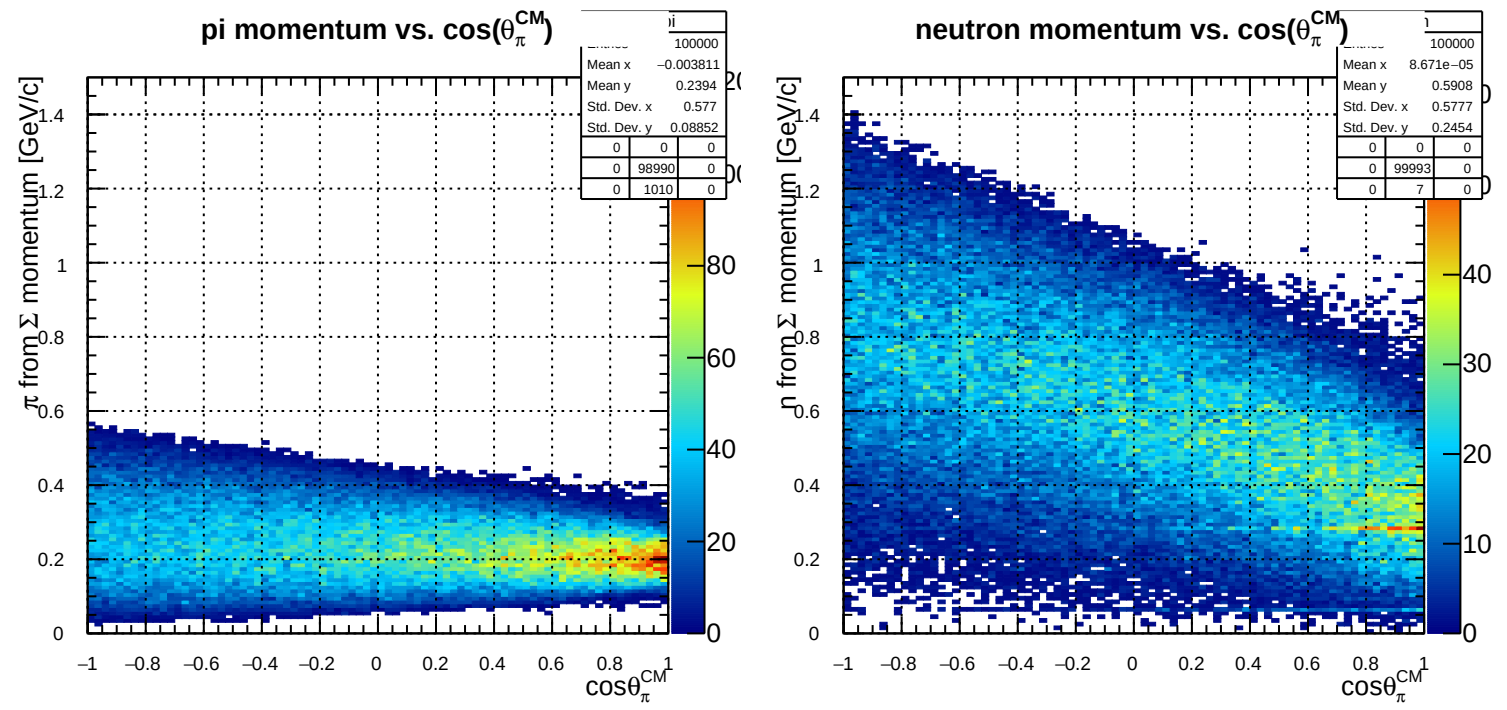

paritlce mom (Lab)
100000
Mean 386.1
Std. Dev. 156.5
Underflow 0
Overflow 0
pi+
0 50 100 150 200 250
0 200 400 600 800 1000 1200 1400
momentum [MeV/c]

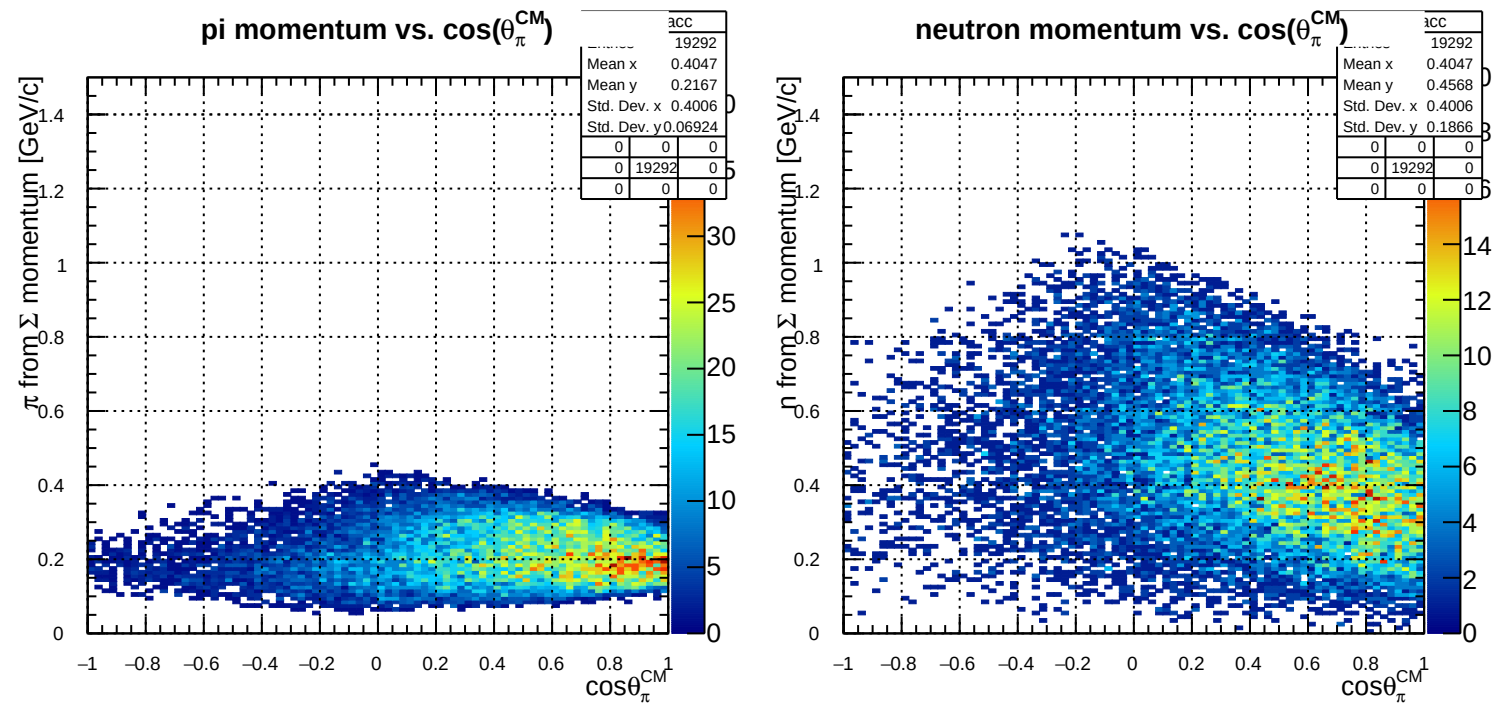

angler distribution (CM)
neutron
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
–1
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
cosθ

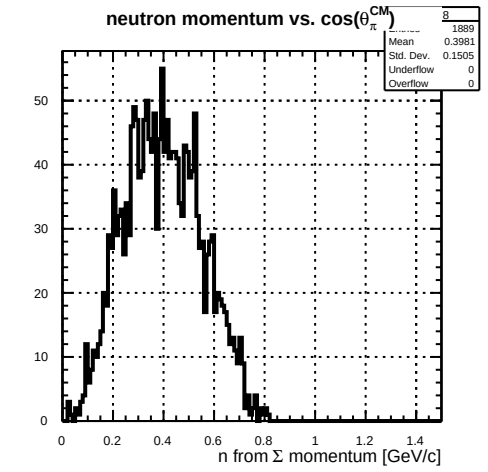

angler distribution (CM)
pi+
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
–1
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
cosθ

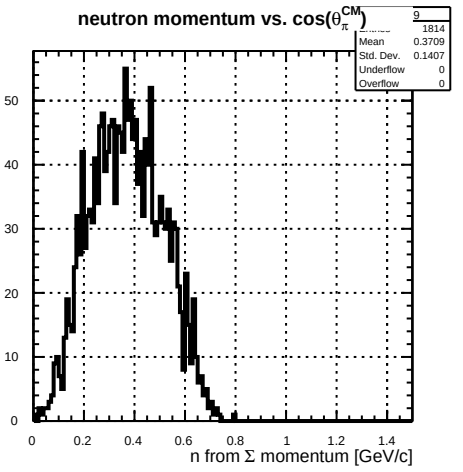

angler distribution (Lab)
neutron
7000
6000
5000
4000
3000
2000
1000
0
–1
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
cosθ

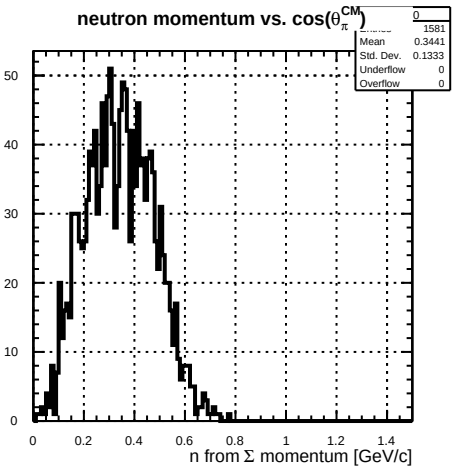

angler distribution (Lab)
pi+
4000
3500
3000
2500
2000
1500
1000
500
0
–1
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
cosθ

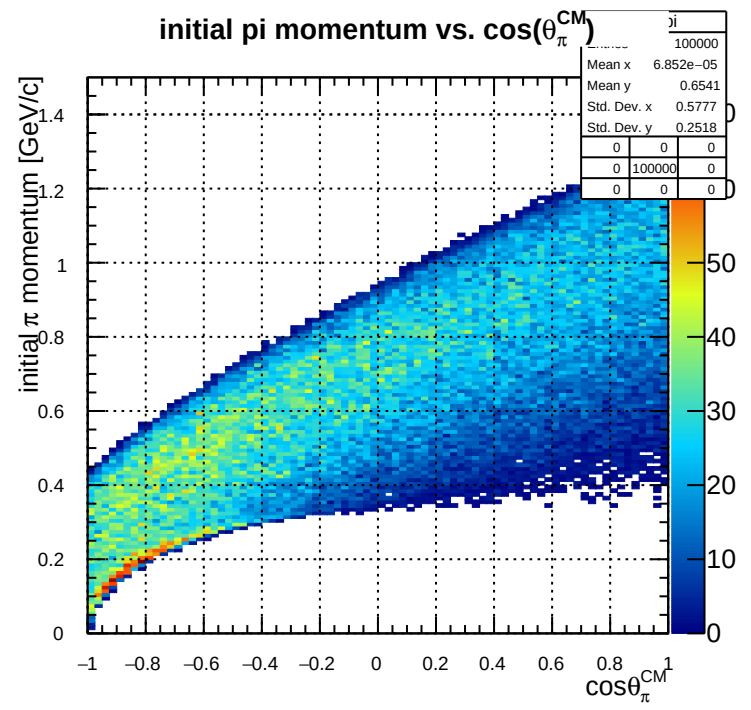

pi momentum vs. cos(θ_π^CM)
Entries 100000
Mean x −0.003811
Mean y 0.2394
Std. Dev. x 0.577
Std. Dev. y 0.08852
0 0 0
0 98990 0
0 1010 0
π from Σ momentum [GeV/c]
cosθ_π^CM
neutron momentum vs. cos(θ_π^CM)
Entries 100000
Mean x 8.671e−05
Mean y 0.5908
Std. Dev. x 0.5777
Std. Dev. y 0.2454
0 0 0
0 99993 0
0 7 0
n from Σ momentum [GeV/c]
cosθ_π^CM

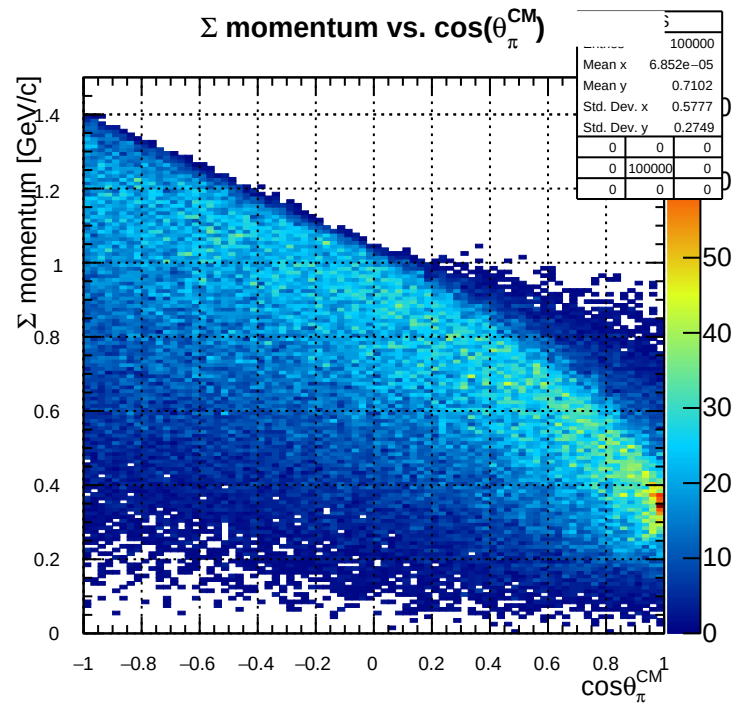

pi momentum vs. cos(θ_π^{CM})
acc
Entries 19292
Mean x 0.4047
Mean y 0.2167
Std. Dev. x 0.4006
Std. Dev. y 0.06924
π from Σ momentum [GeV/c]
cosθ_π^{CM}
neutron momentum vs. cos(θ_π^{CM})
acc
Entries 19292
Mean x 0.4047
Mean y 0.4568
Std. Dev. x 0.4006
Std. Dev. y 0.1866
n from Σ momentum [GeV/c]
cosθ_π^{CM}


neutron momentum vs. cos(θ_π^{CM})
Entries 1889
Mean 0.3981
Std. Dev. 0.1505
Underflow 0
Overflow 0
n from Σ momentum [GeV/c]


neutron momentum vs. cos(θ_π^{CM})
Entries 1814
Mean 0.3709
Std. Dev. 0.1407
Underflow 0
Overflow 0
n from Σ momentum [GeV/c]


neutron momentum vs. cos(θ_π^{CM})
Entries 1581
Mean 0.3441
Std. Dev. 0.1333
Underflow 0
Overflow 0
n from Σ momentum [GeV/c]


initial pi momentum vs. cos(θ_π^{CM})
Entries 100000
Mean x 6.852e−05
Mean y 0.6541
Std. Dev. x 0.5777
Std. Dev. y 0.2518
initial π momentum [GeV/c]
cosθ$_\pi^{CM}$


Σ momentum vs. cos(θ_π^{CM})
Entries 100000
Mean x 6.852e−05
Mean y 0.7102
Std. Dev. x 0.5777
Std. Dev. y 0.2749
Σ momentum [GeV/c]
cosθ$_\pi^{CM}$