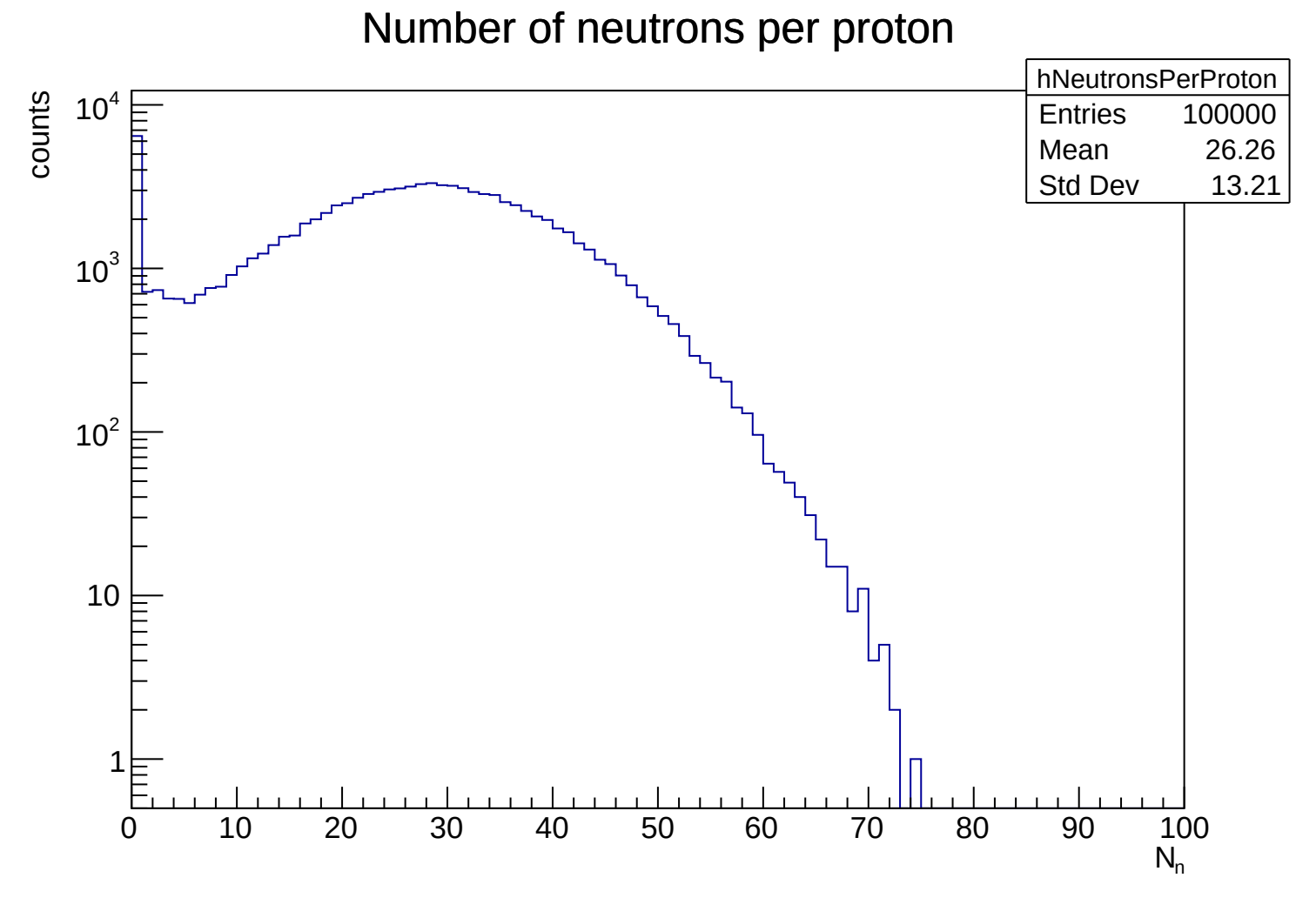
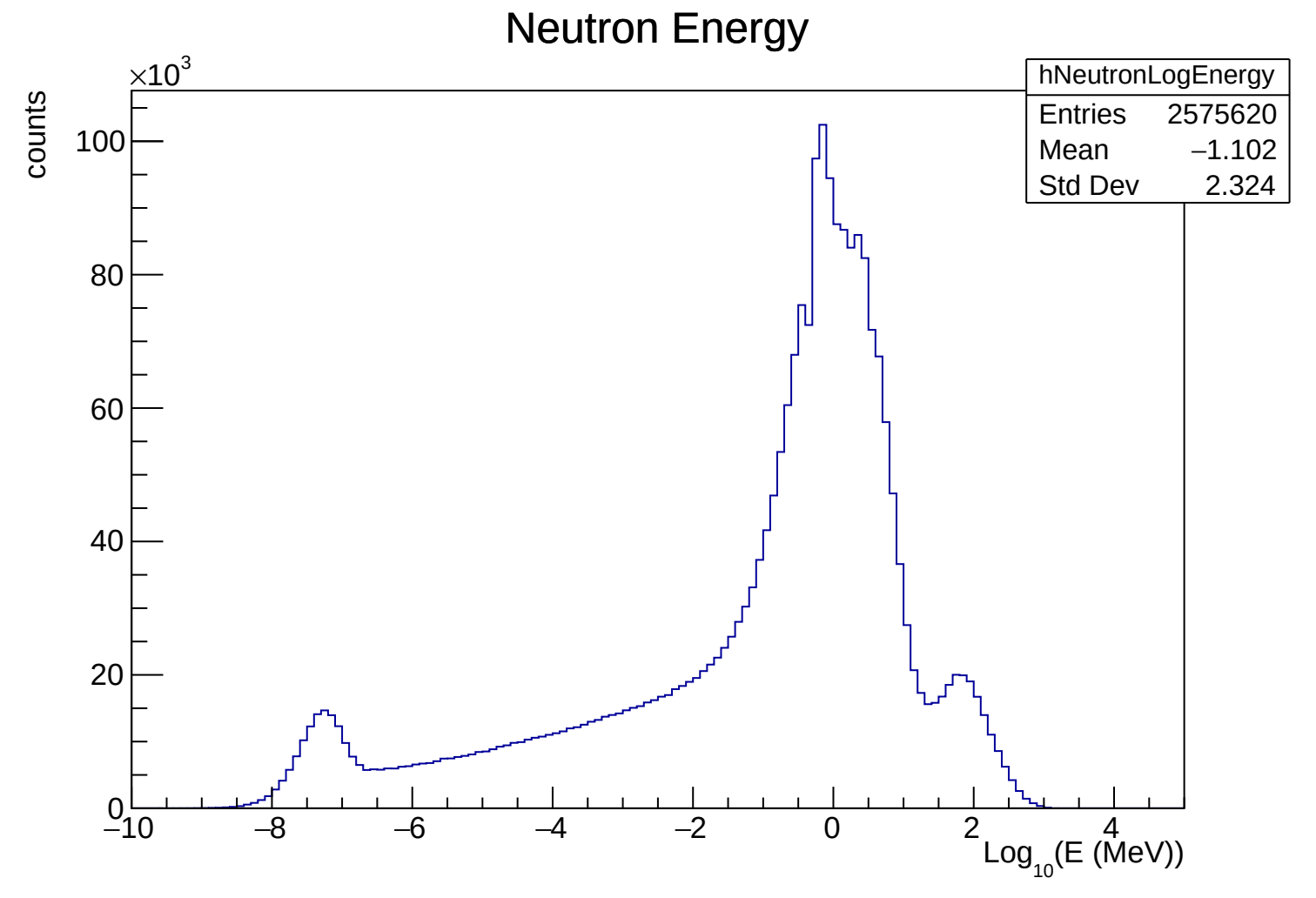
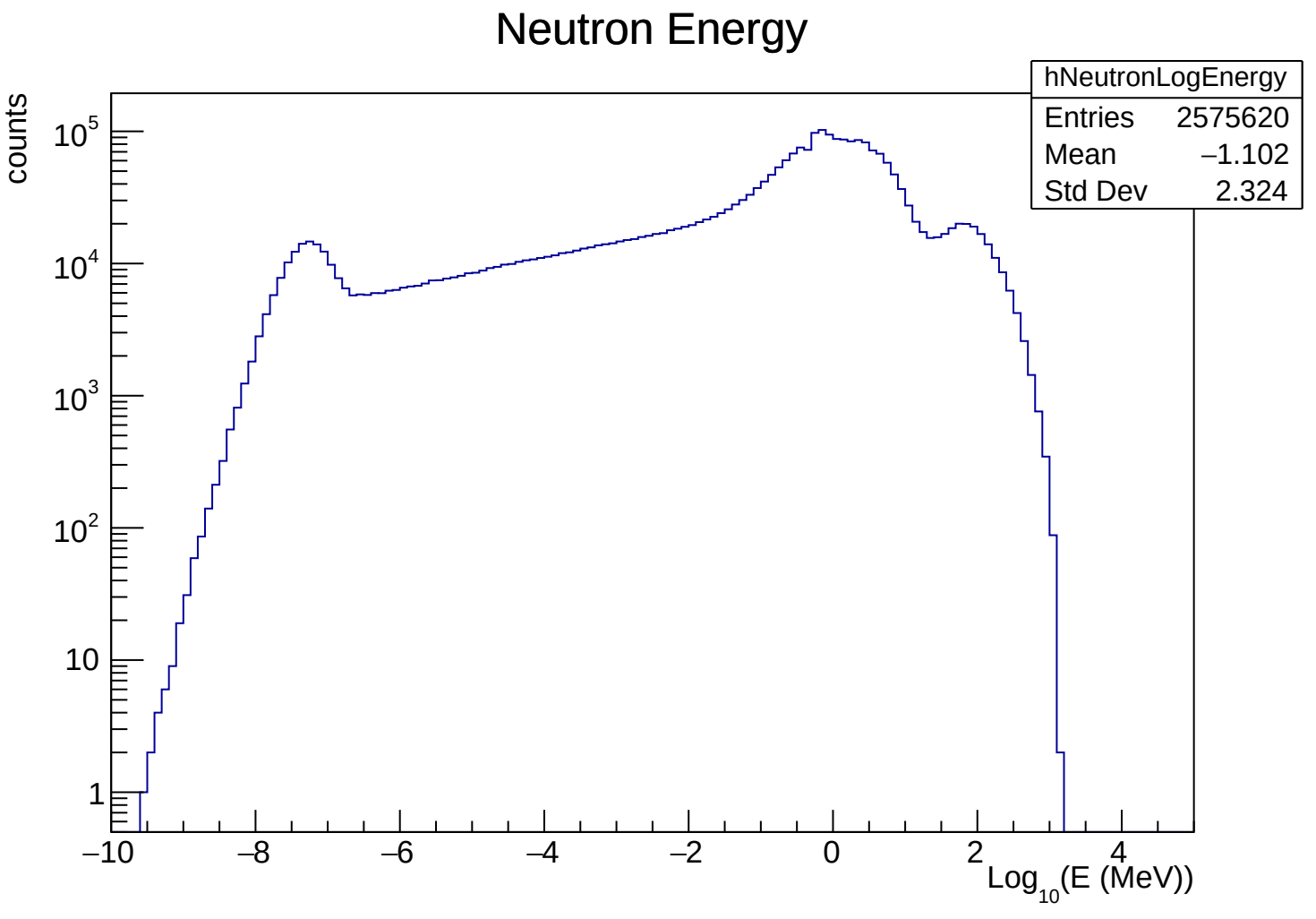
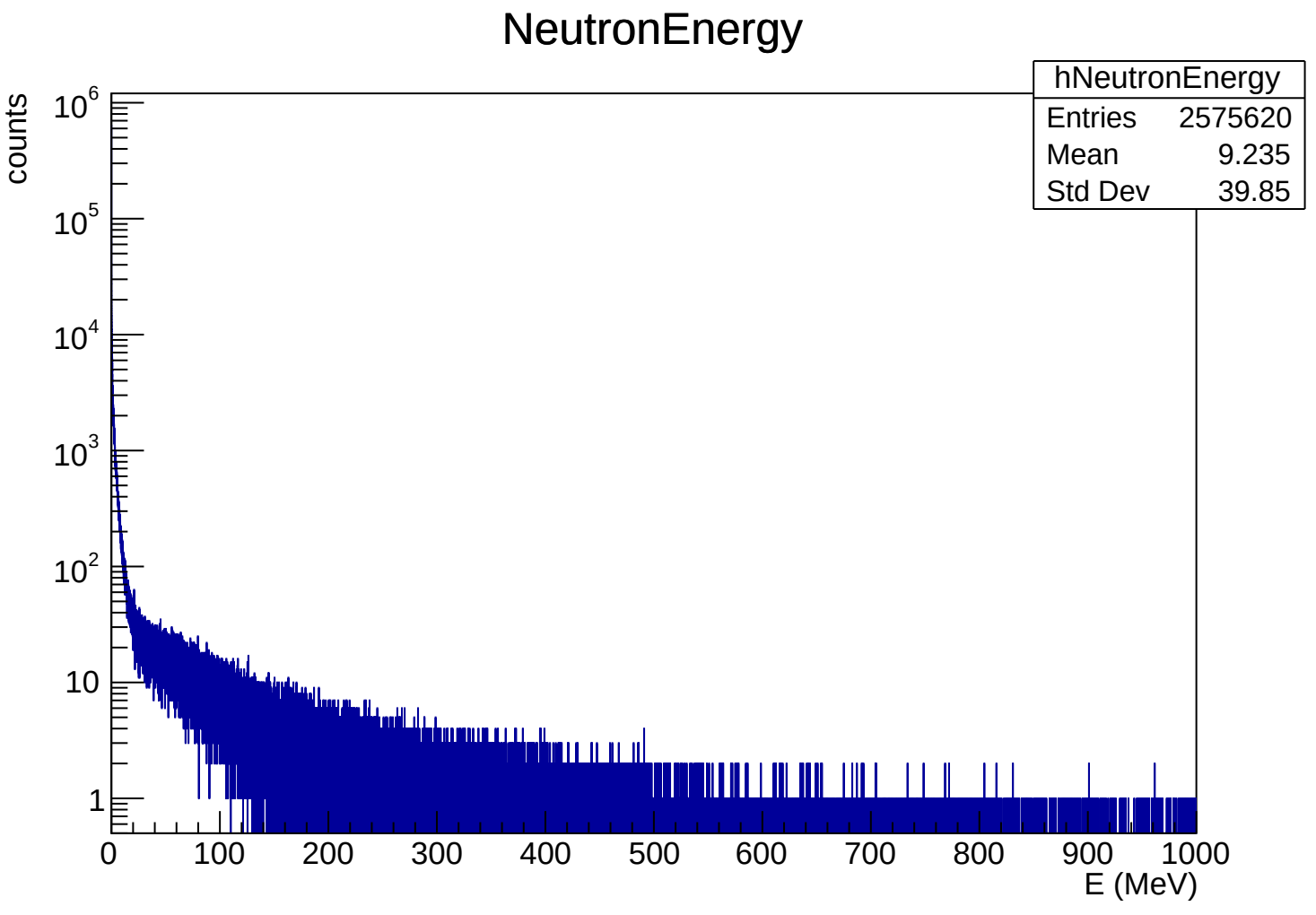
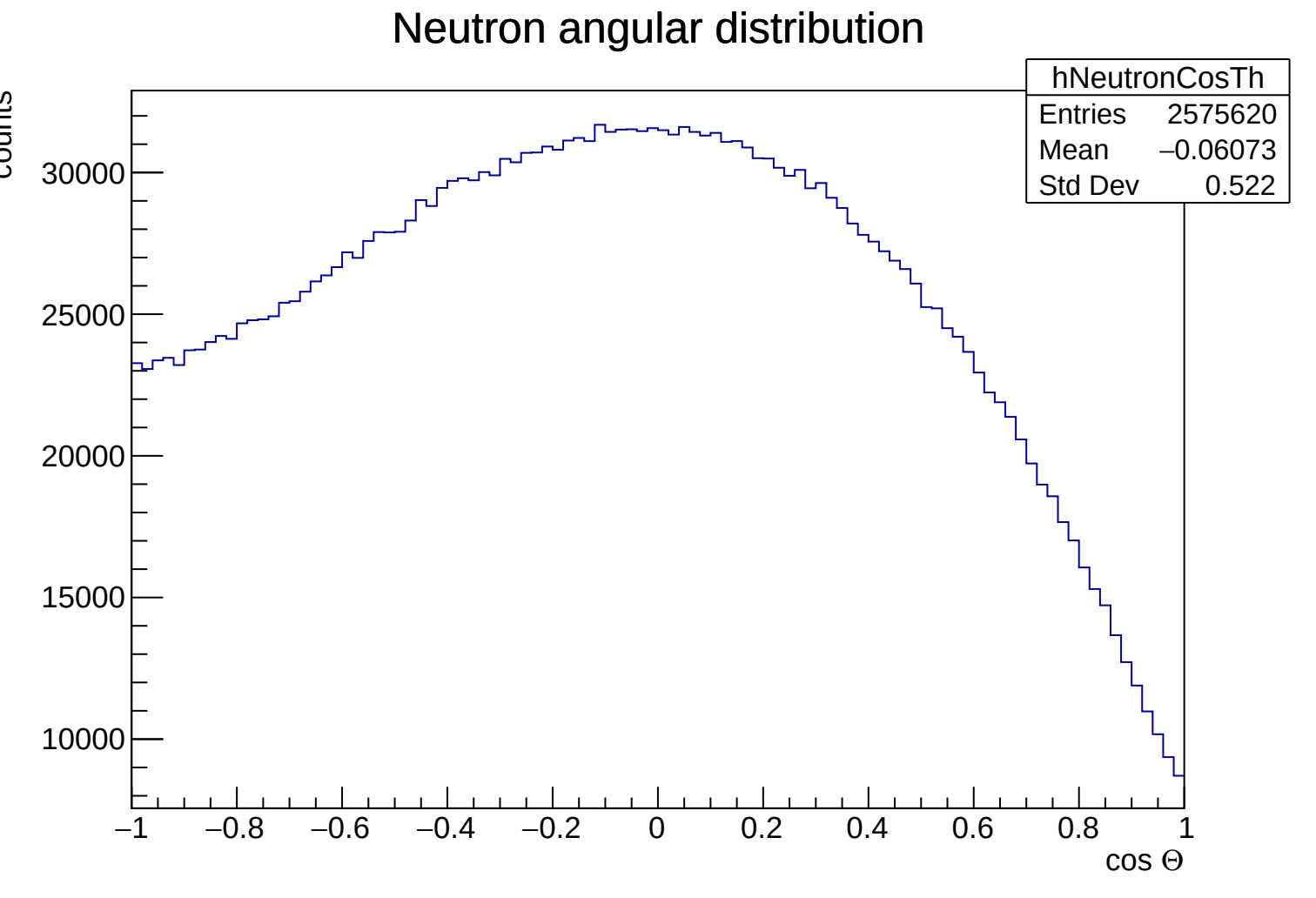
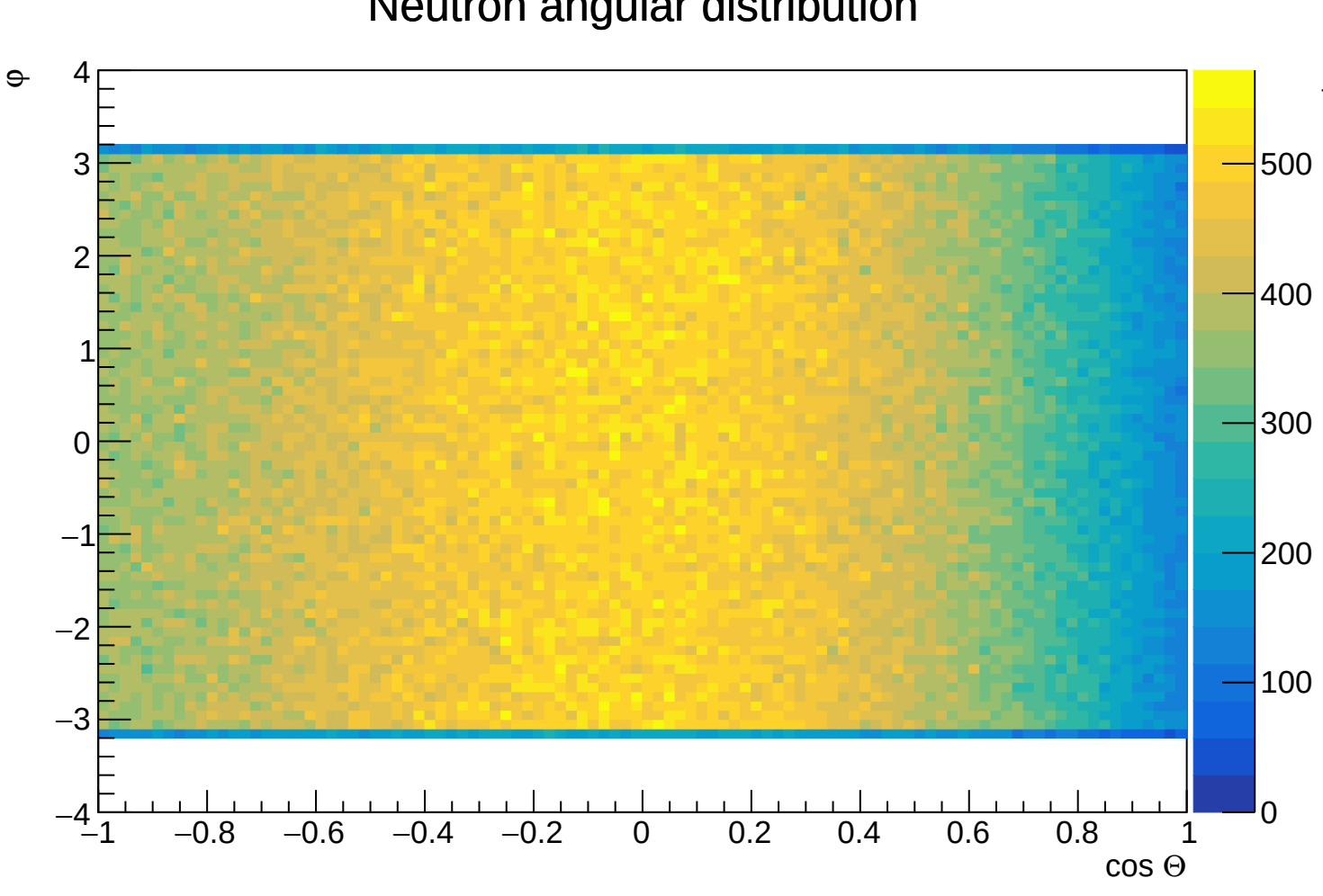

Number of neutrons per proton
hNeutronsPerProton
Entries 100000
Mean 26.26
Std Dev 13.21
counts
10^4
10^3
10^2
10
1
0
10
20
30
40
50
60
70
80
90
100
N_n

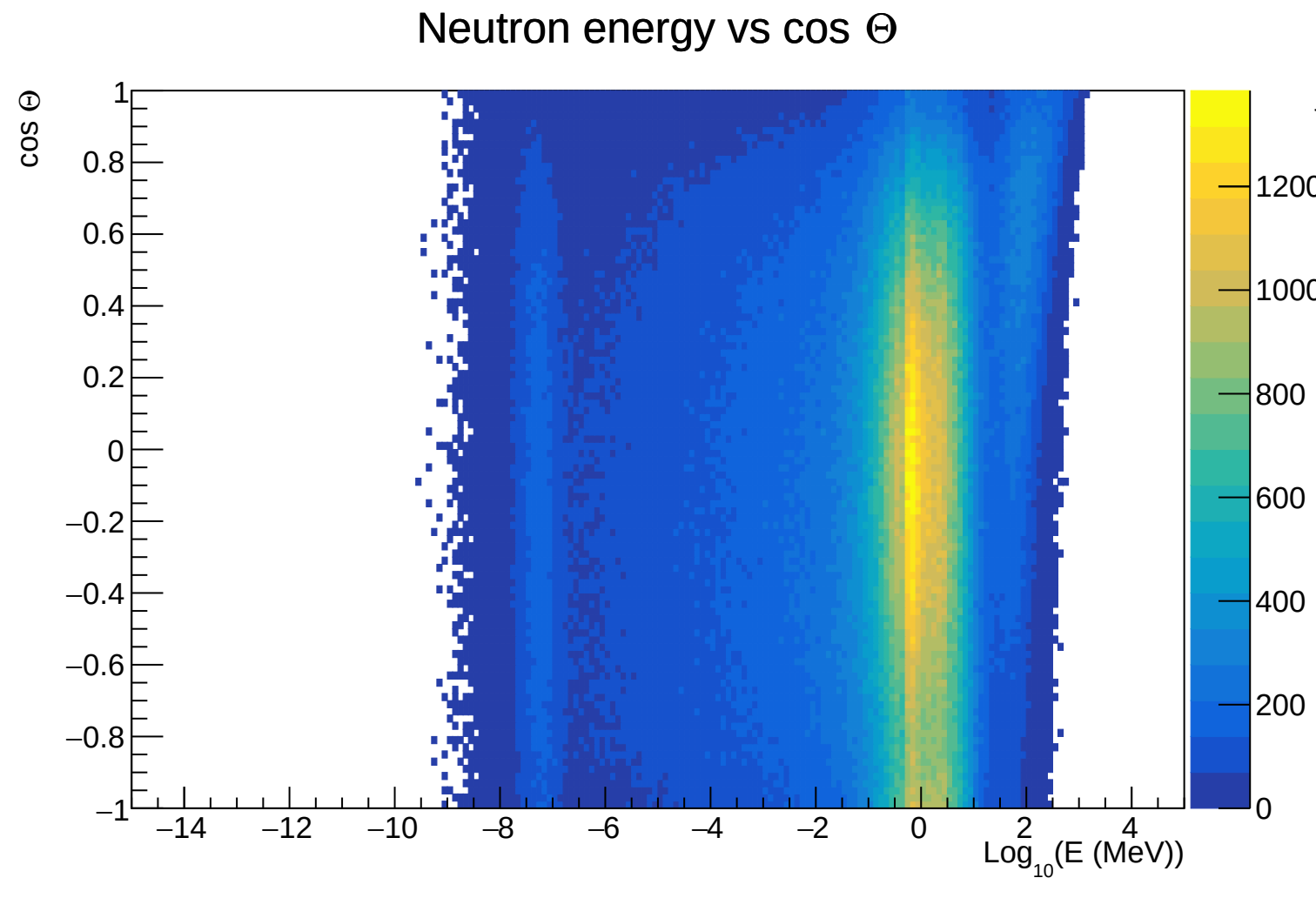

Neutron Energy
hNeutronLogEnergy
Entries 2575620
Mean −1.102
Std Dev 2.324
counts
×10^3
100
80
60
40
20
0
−10
−8
−6
−4
−2
0
2
4
Log10(E (MeV))

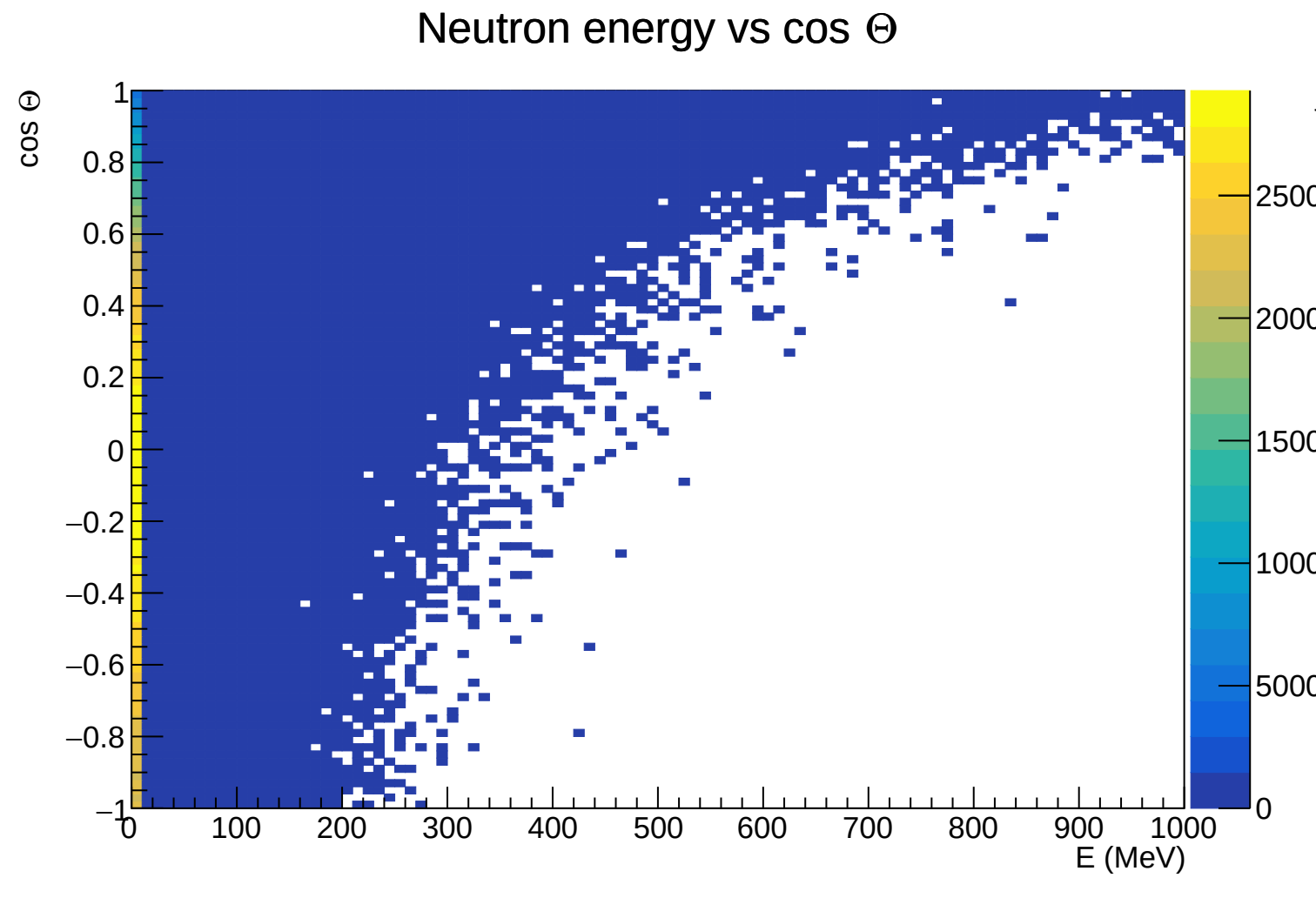

Neutron Energy
hNeutronLogEnergy
Entries 2575620
Mean –1.102
Std Dev 2.324
counts
10^5
10^4
10^3
10^2
10
1
–10
–8
–6
–4
–2
0
2
4
Log_{10}(E (MeV))

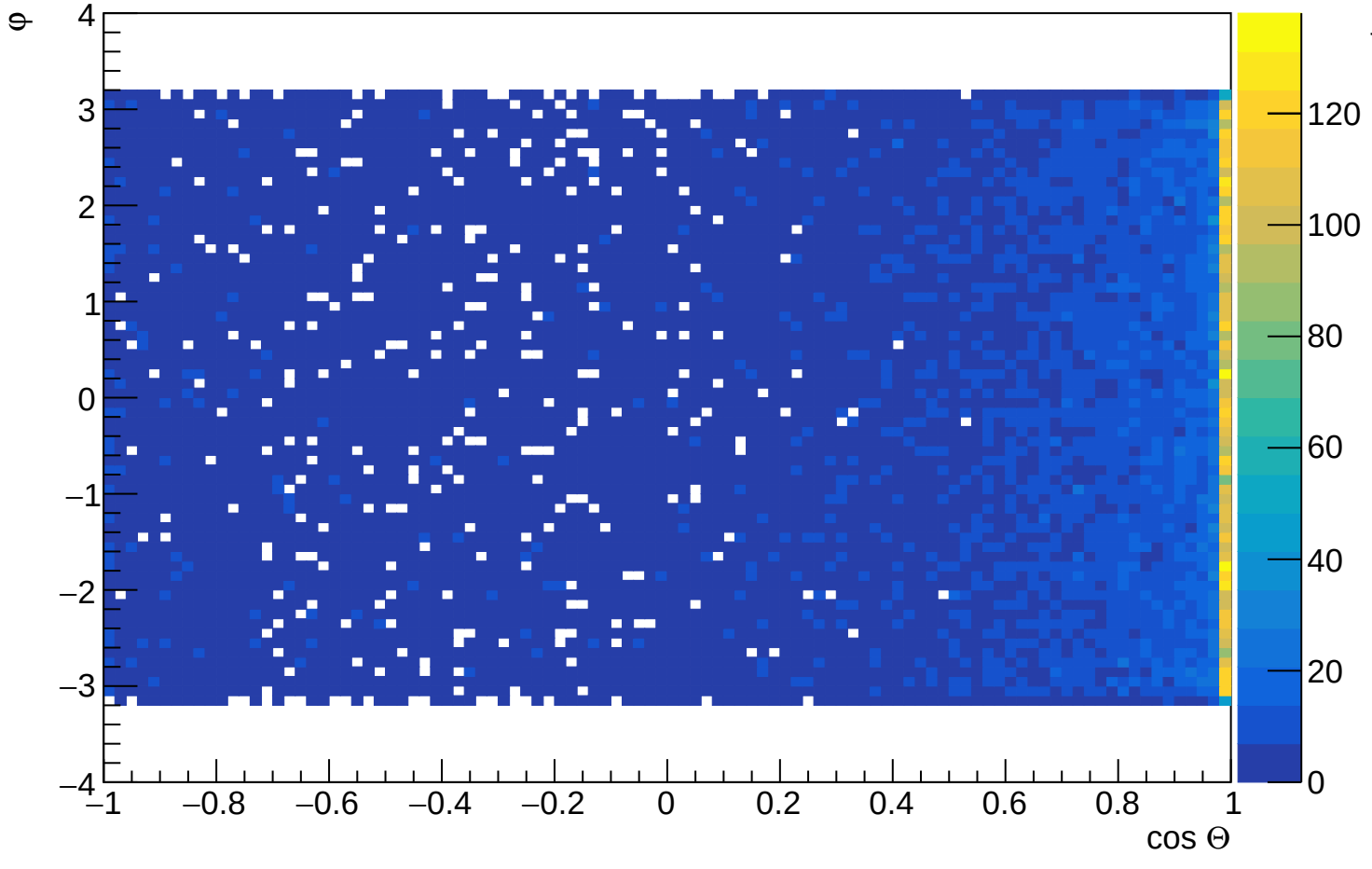

NeutronEnergy
hNeutronEnergy
Entries 2575620
Mean 9.235
Std Dev 39.85
counts
10^6
10^5
10^4
10^3
10^2
10
1
0
100
200
300
400
500
600
700
800
900
1000
E (MeV)

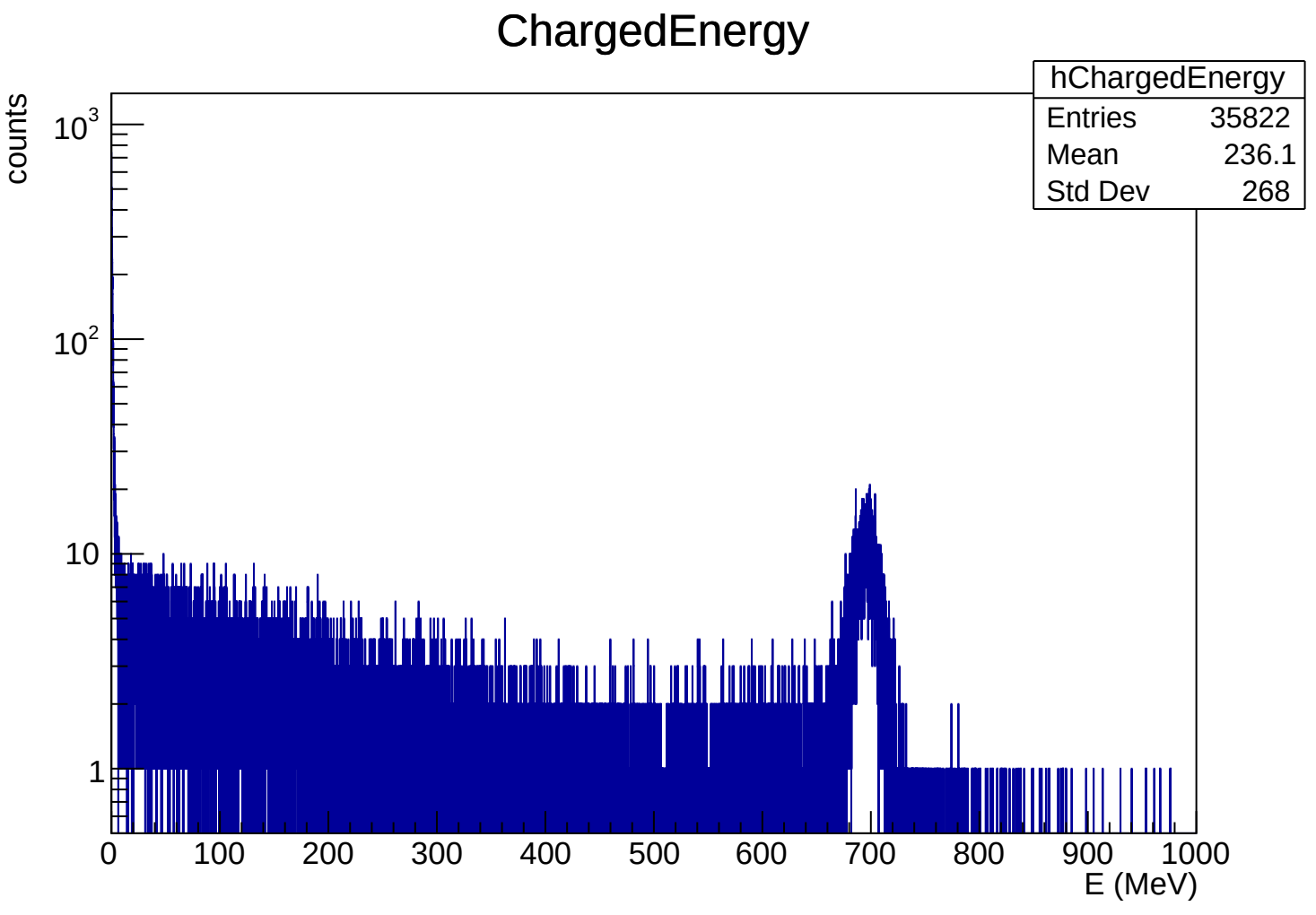

Neutron angular distribution
hNeutronCosTh
Entries 2575620
Mean –0.06073
Std Dev 0.522
counts
30000
25000
20000
15000
10000
–1
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
cos Θ

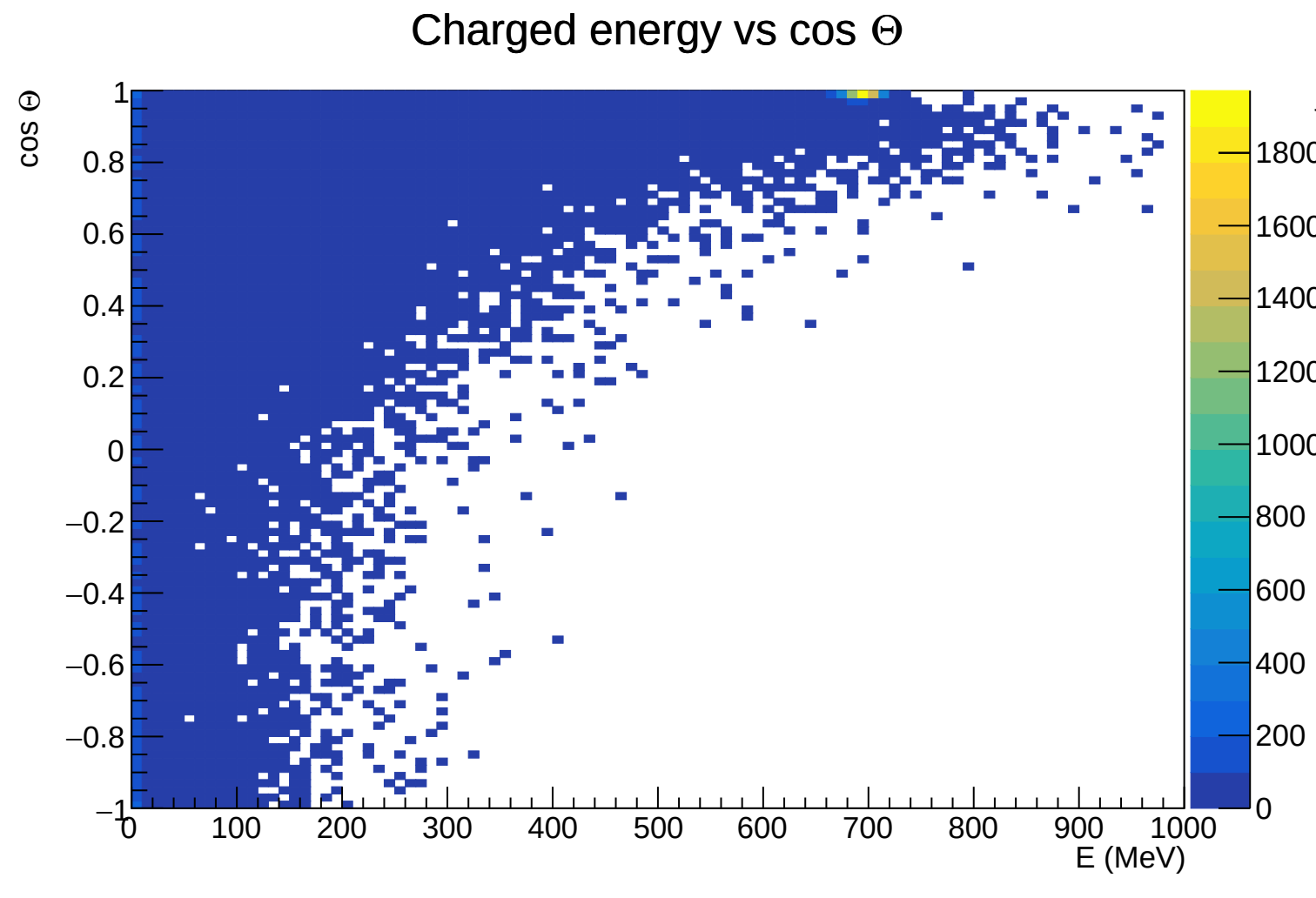

Neutron angular distribution
φ
4
3
2
1
0
−1
−2
−3
−4
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
cos Θ
500
400
300
200
100
0

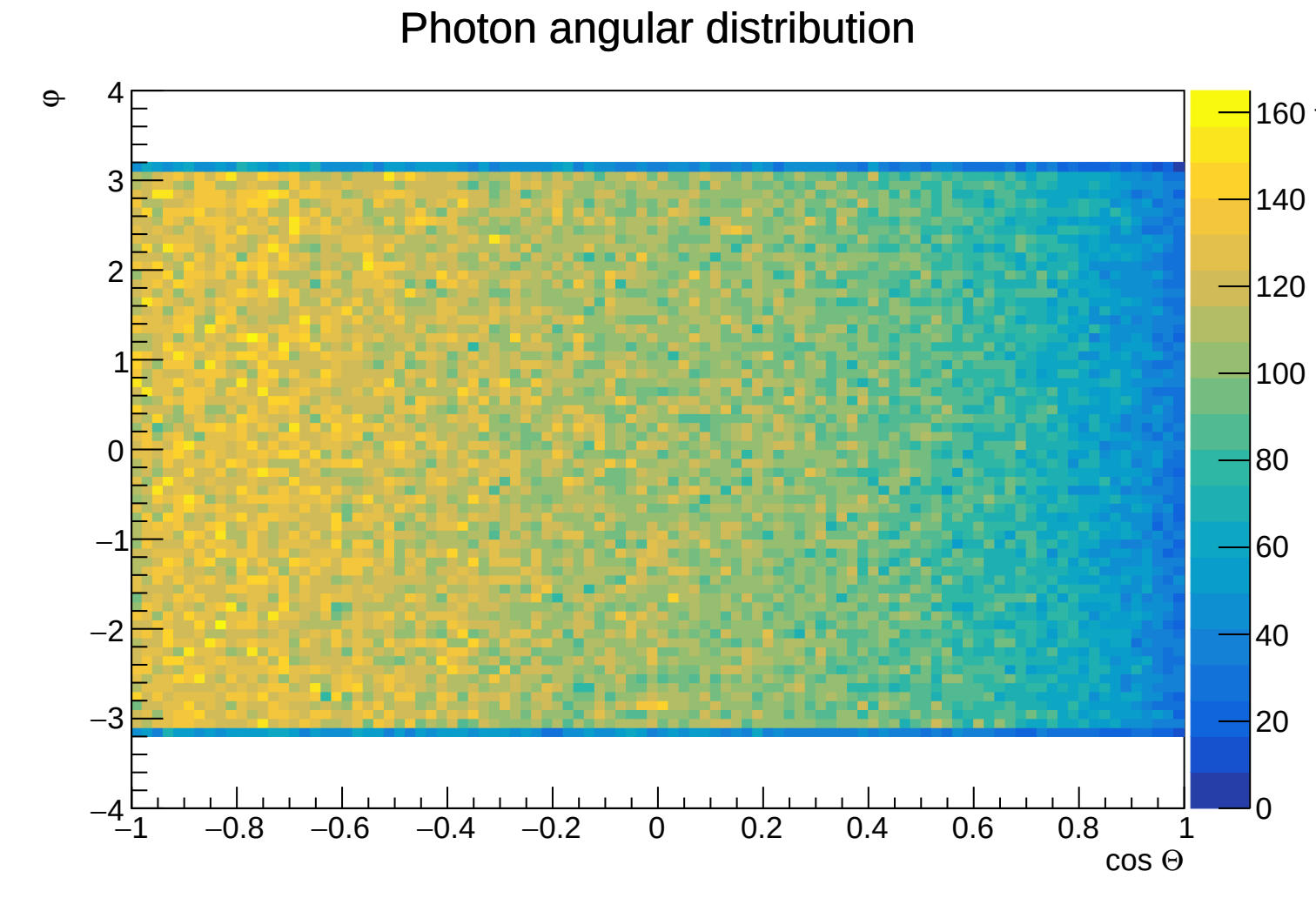

Neutron energy vs cos Θ
cos Θ
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−14
−12
−10
−8
−6
−4
−2
0
2
4
Log10(E (MeV))
1200
1000
800
600
400
200
0

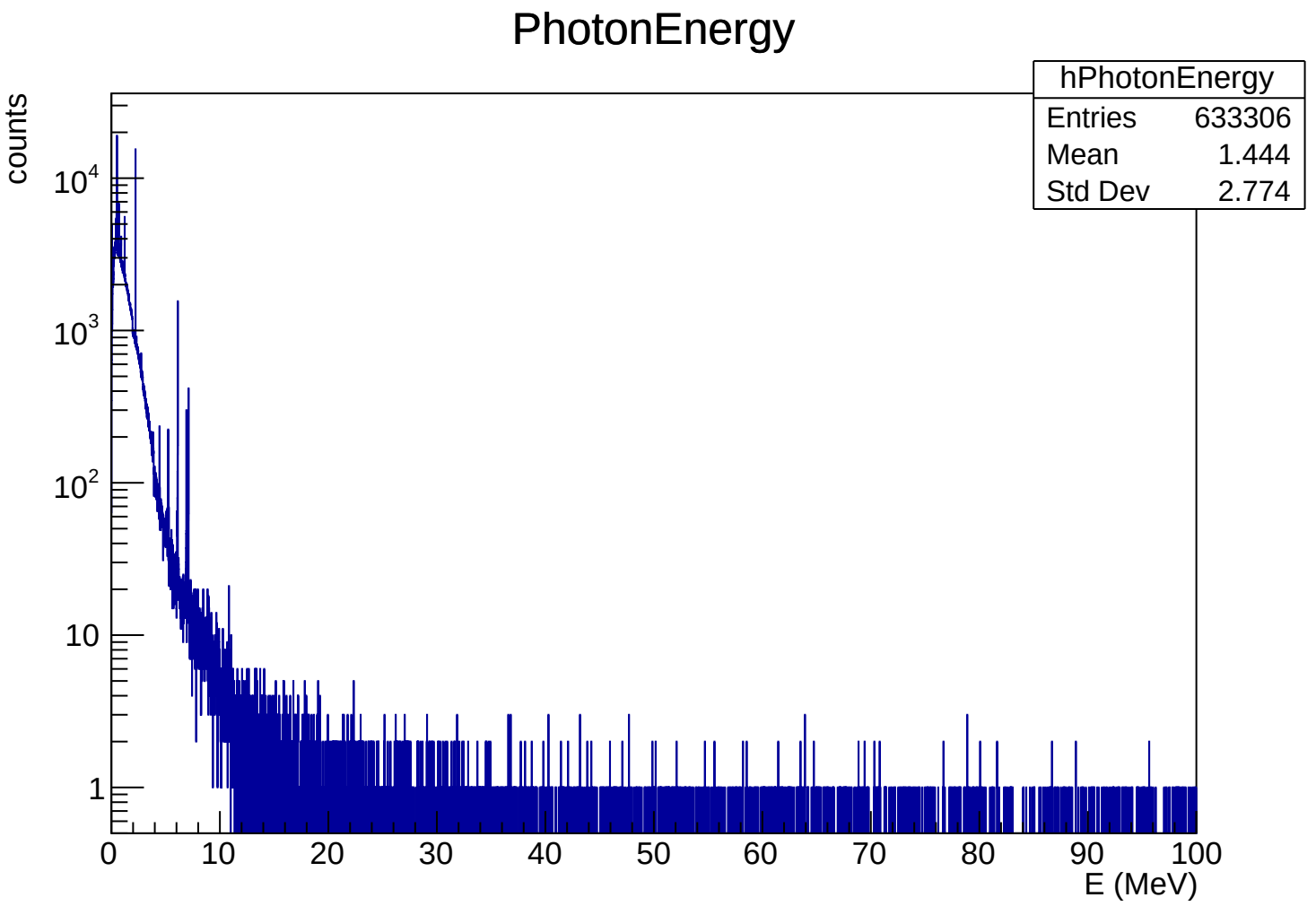

Neutron energy vs cos Θ
cos Θ
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
0
100
200
300
400
500
600
700
800
900
1000
E (MeV)
2500
2000
1500
1000
5000
0

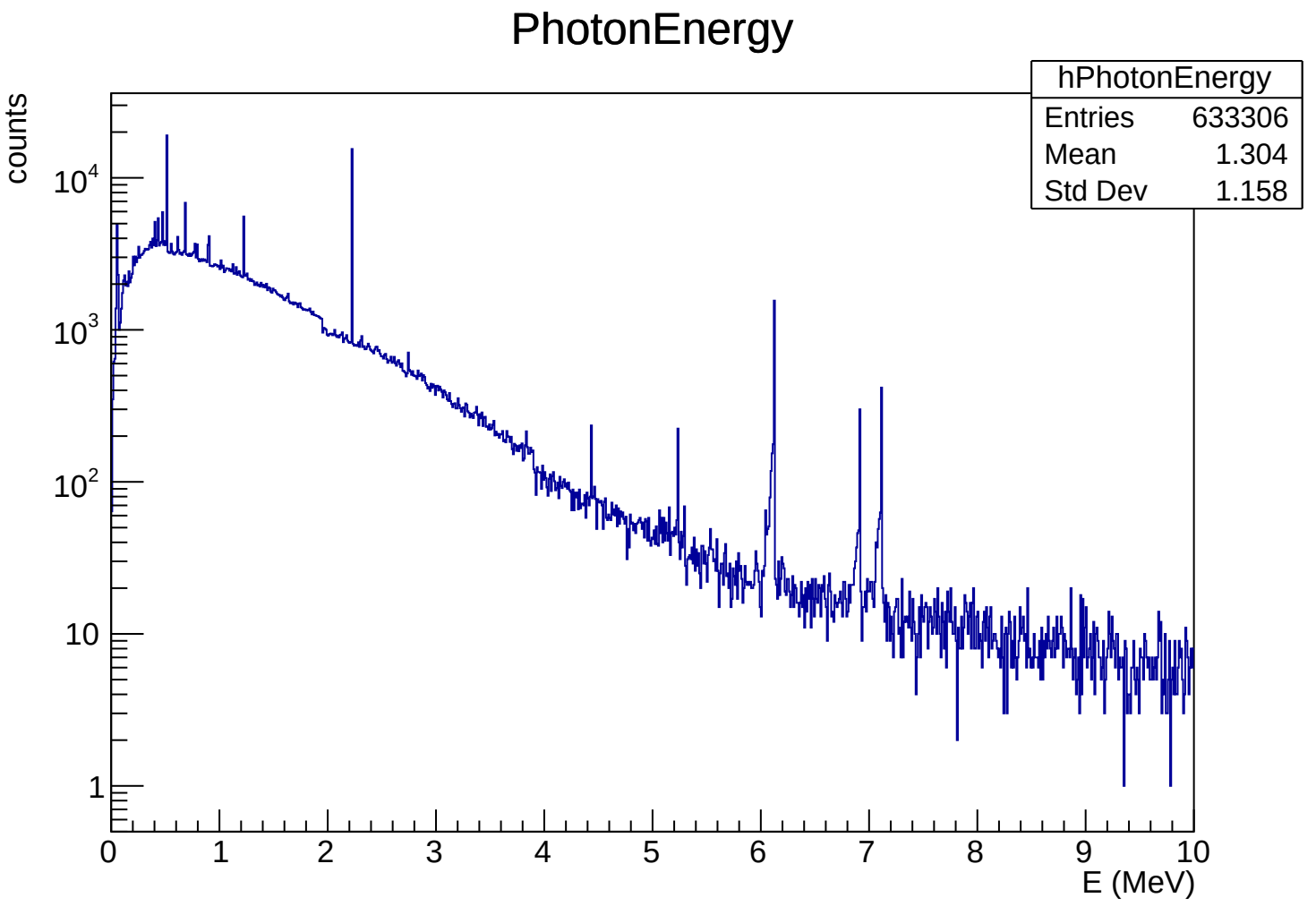

Charged angular distribution
φ
4
3
2
1
0
−1
−2
−3
−4
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
cos Θ
120
100
80
60
40
20
0

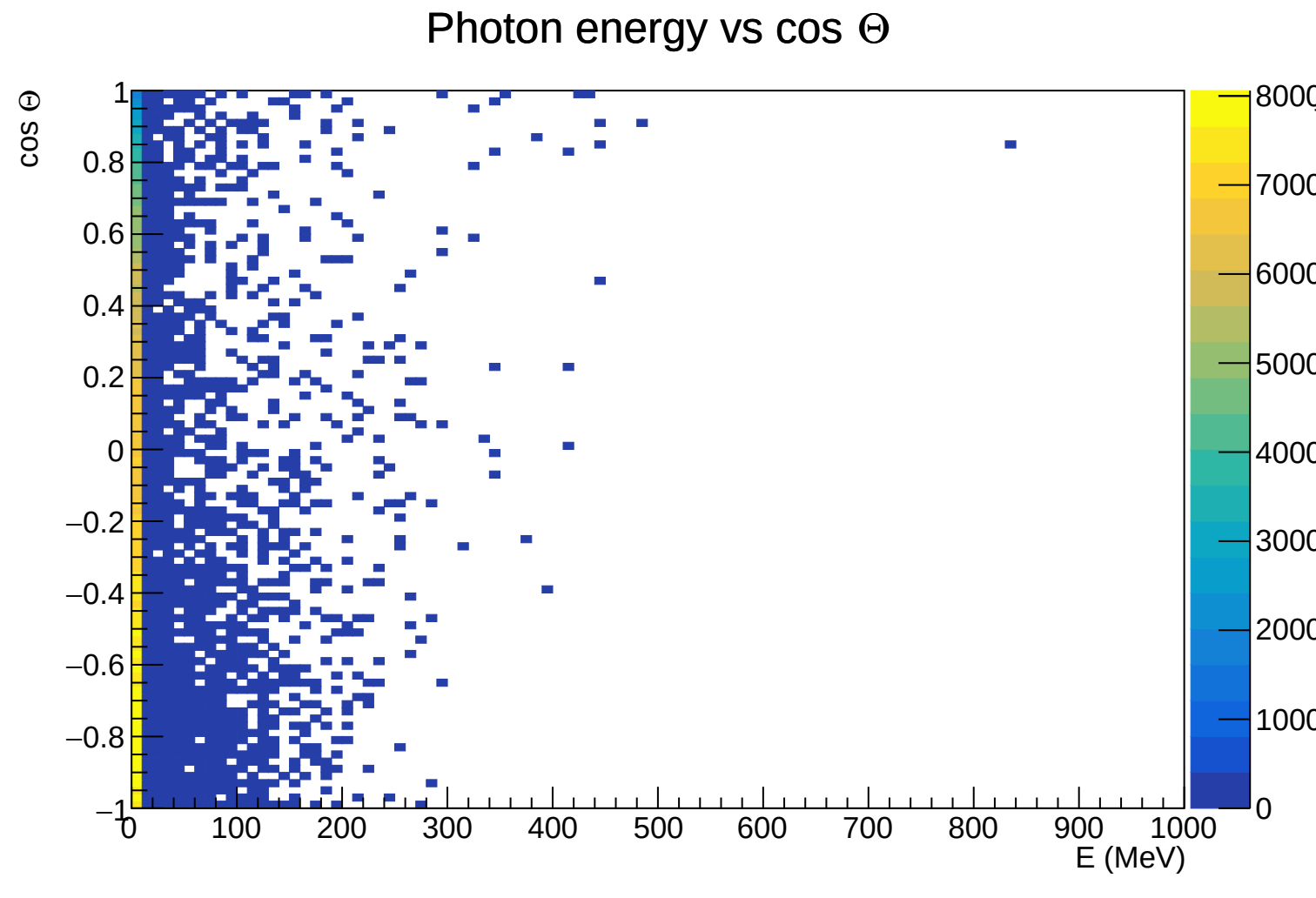

ChargedEnergy
hChargedEnergy
Entries 35822
Mean 236.1
Std Dev 268
counts
10^3
10^2
10
1
0
100
200
300
400
500
600
700
800
900
1000
E (MeV)


Charged energy vs cos Θ
cos Θ
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
0
100
200
300
400
500
600
700
800
900
1000
E (MeV)
1800
1600
1400
1200
1000
800
600
400
200
0


Photon angular distribution
φ
4
3
2
1
0
−1
−2
−3
−4
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
cos Θ
160
140
120
100
80
60
40
20
0


PhotonEnergy
hPhotonEnergy
Entries 633306
Mean 1.444
Std Dev 2.774
counts
10^4
10^3
10^2
10
1
0
10
20
30
40
50
60
70
80
90
100
E (MeV)


PhotonEnergy
hPhotonEnergy
Entries 633306
Mean 1.304
Std Dev 1.158
counts
10^4
10^3
10^2
10
1
0
1
2
3
4
5
6
7
8
9
10
E (MeV)


Photon energy vs cos Θ
cos Θ
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
0
100
200
300
400
500
600
700
800
900
1000
E (MeV)
8000
7000
6000
5000
4000
3000
2000
1000
0