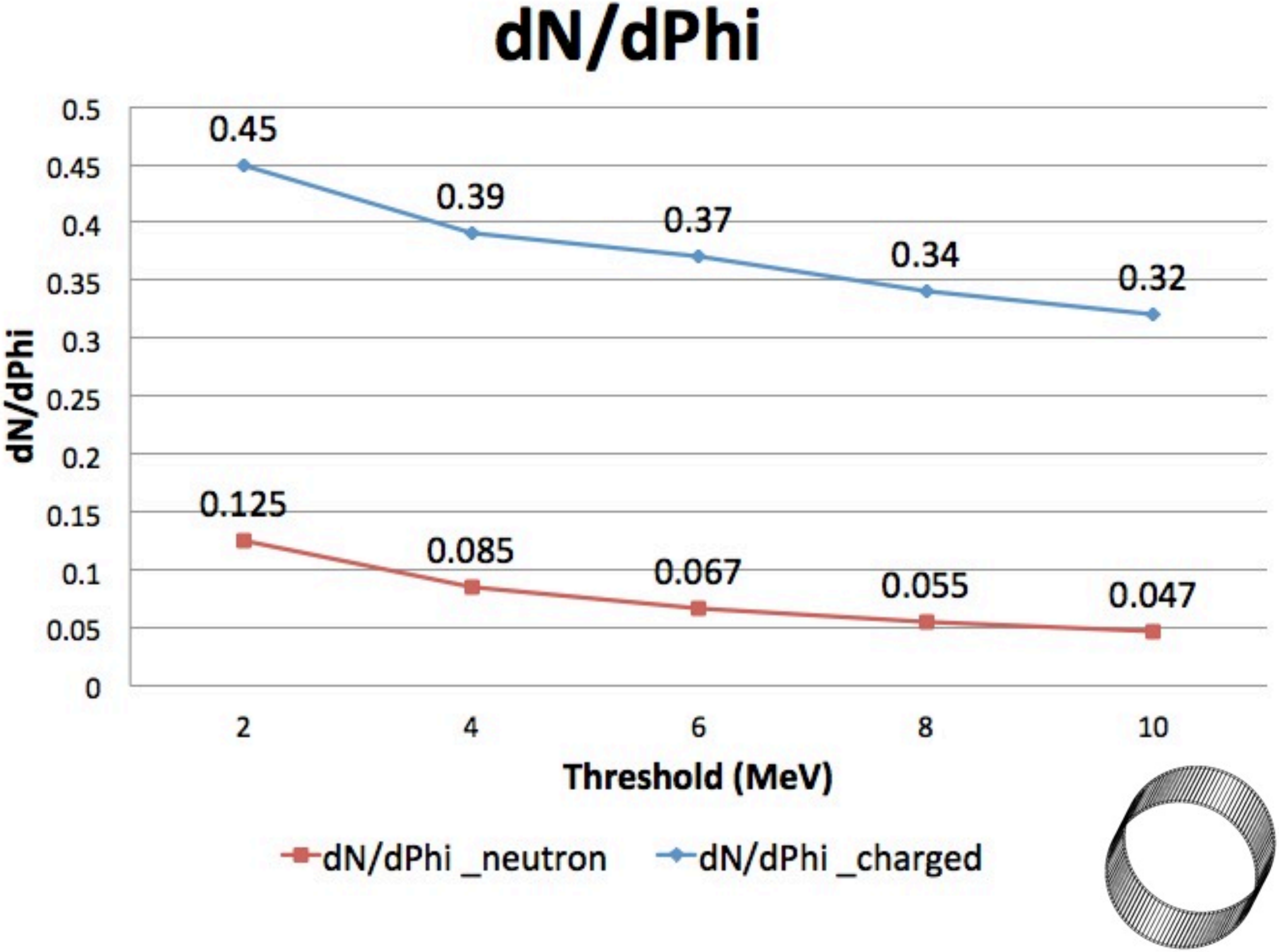
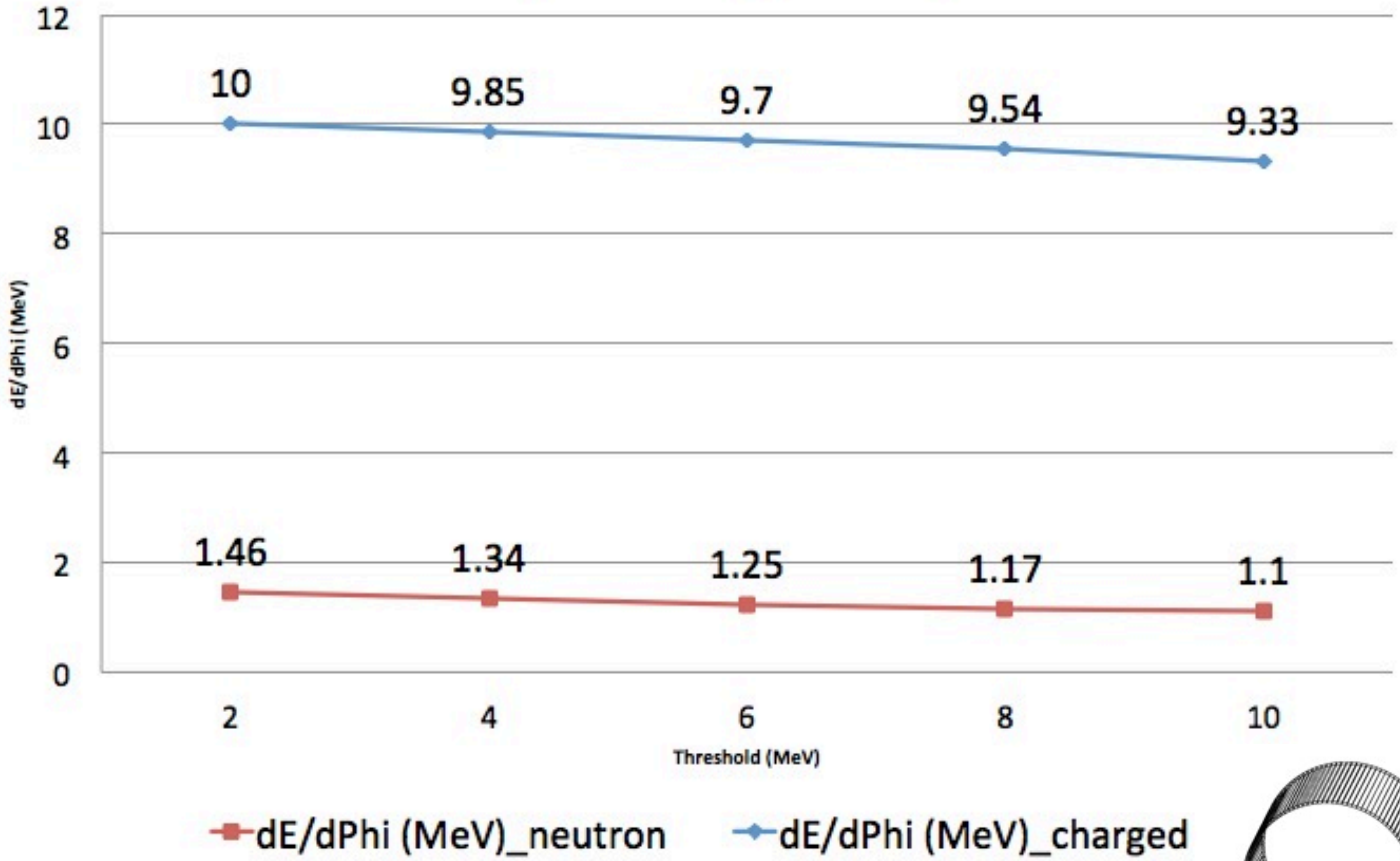
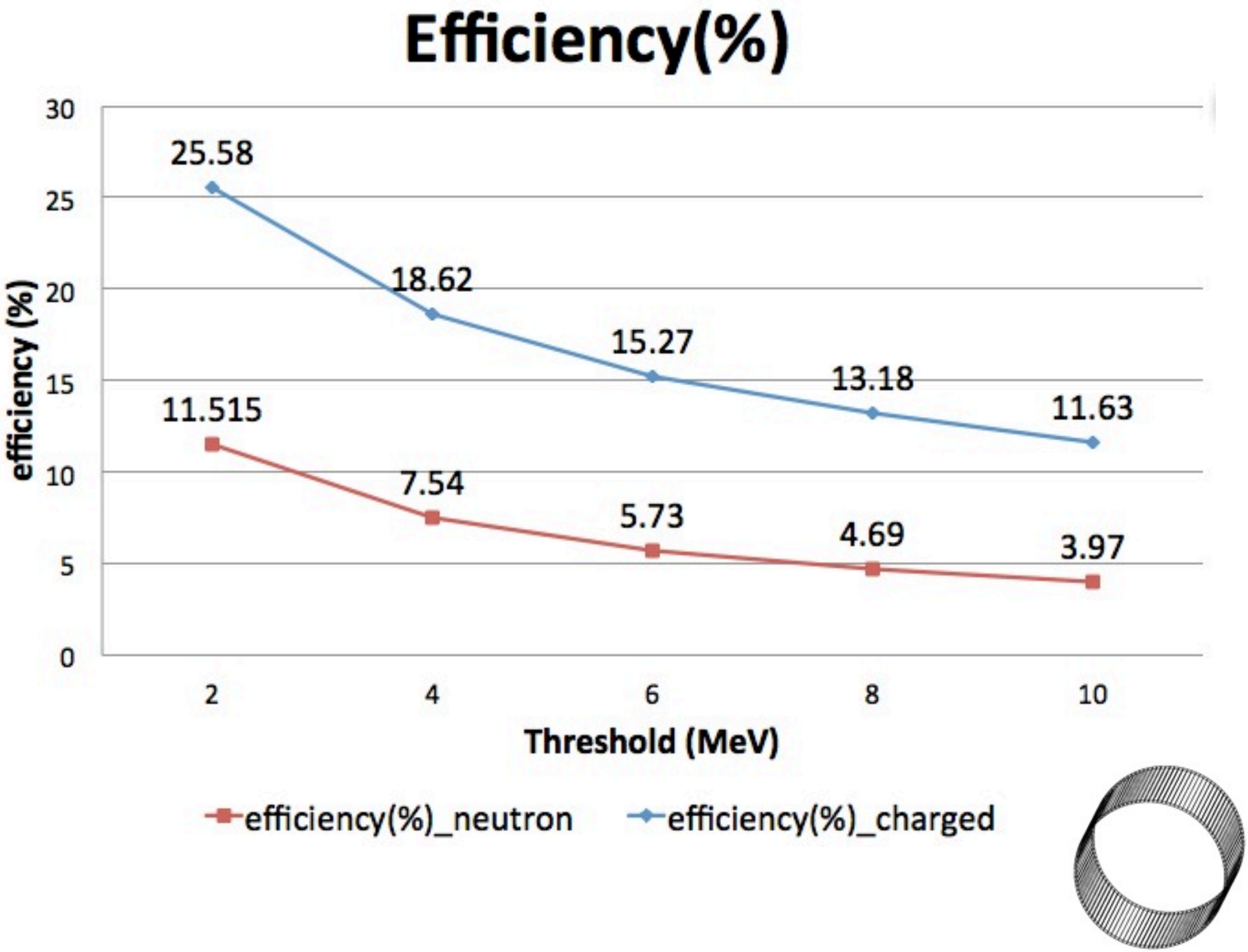
Simulation of Detector surrounding TPC

2013.04.01 Tue.
Go Yeonju


dN/dPhi
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
dN/dPhi
0.45
0.39
0.37
0.34
0.32
0.125
0.085
0.067
0.055
0.047
2
4
6
8
10
Threshold (MeV)
dN/dPhi _neutron
dN/dPhi _charged

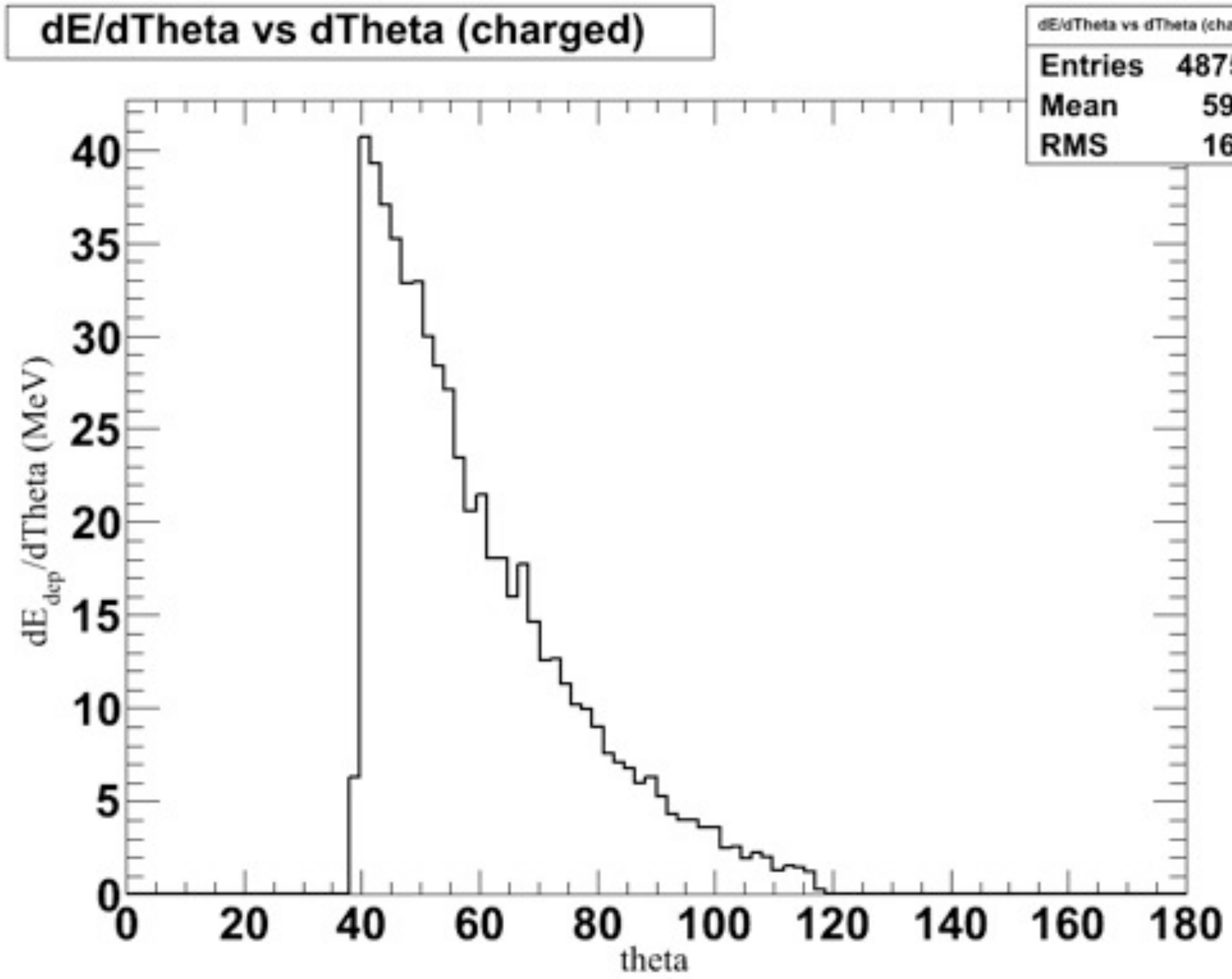
dE/dPhi (MeV)


12
10
8
6
4
2
0
dE/dPhi (MeV)
2
4
6
8
10
Threshold (MeV)
10
9.85
9.7
9.54
9.33
1.46
1.34
1.25
1.17
1.1
dE/dPhi (MeV)_neutron
dE/dPhi (MeV)_charged


Efficiency(%)
30
25
20
15
10
5
0
efficiency (%)
25.58
18.62
15.27
13.18
11.63
11.515
7.54
5.73
4.69
3.97
2
4
6
8
10
Threshold (MeV)
efficiency(%)_neutron
efficiency(%)_charged

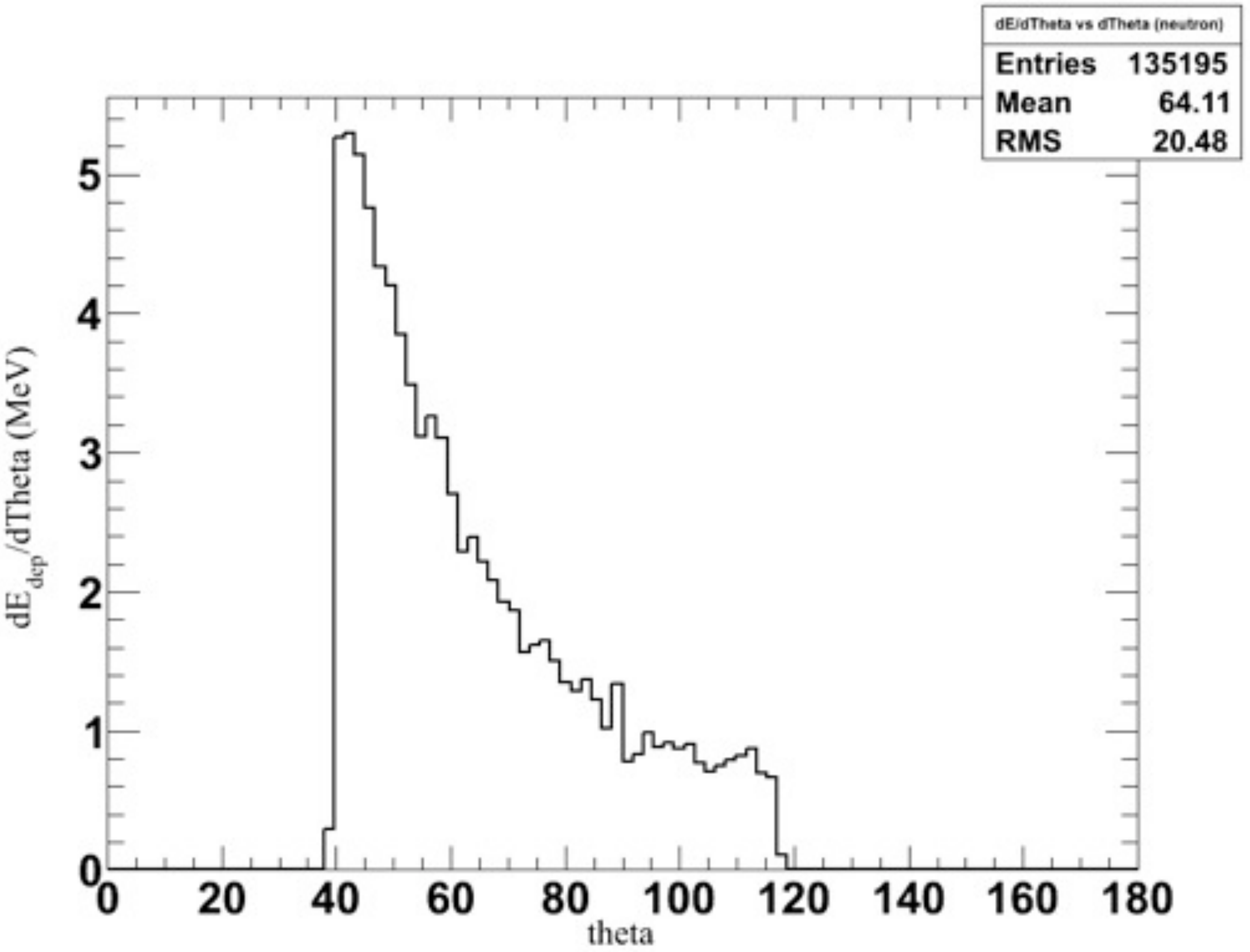
back up

dE/dTheta : threshold 2 MeV



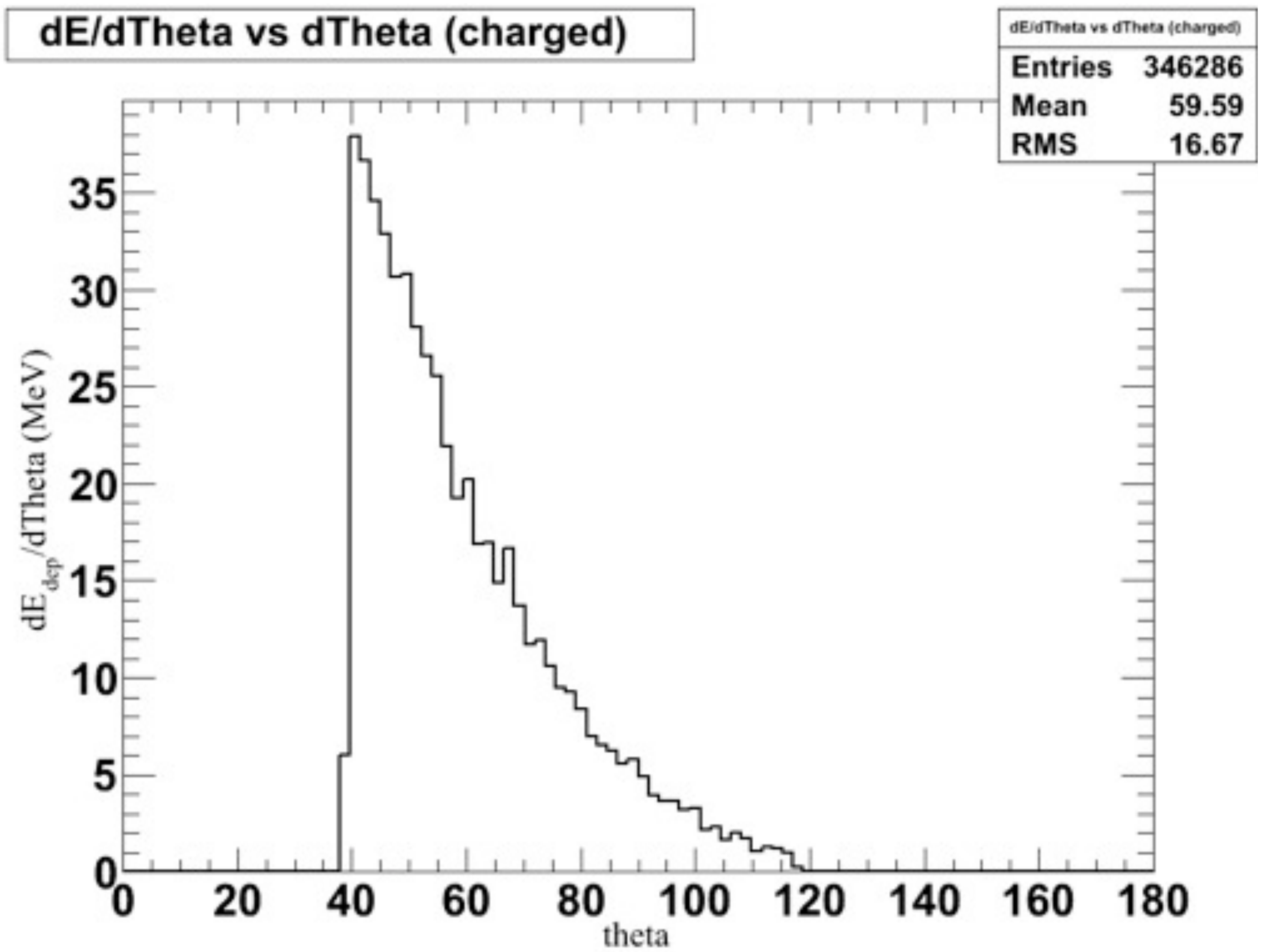
charged particles

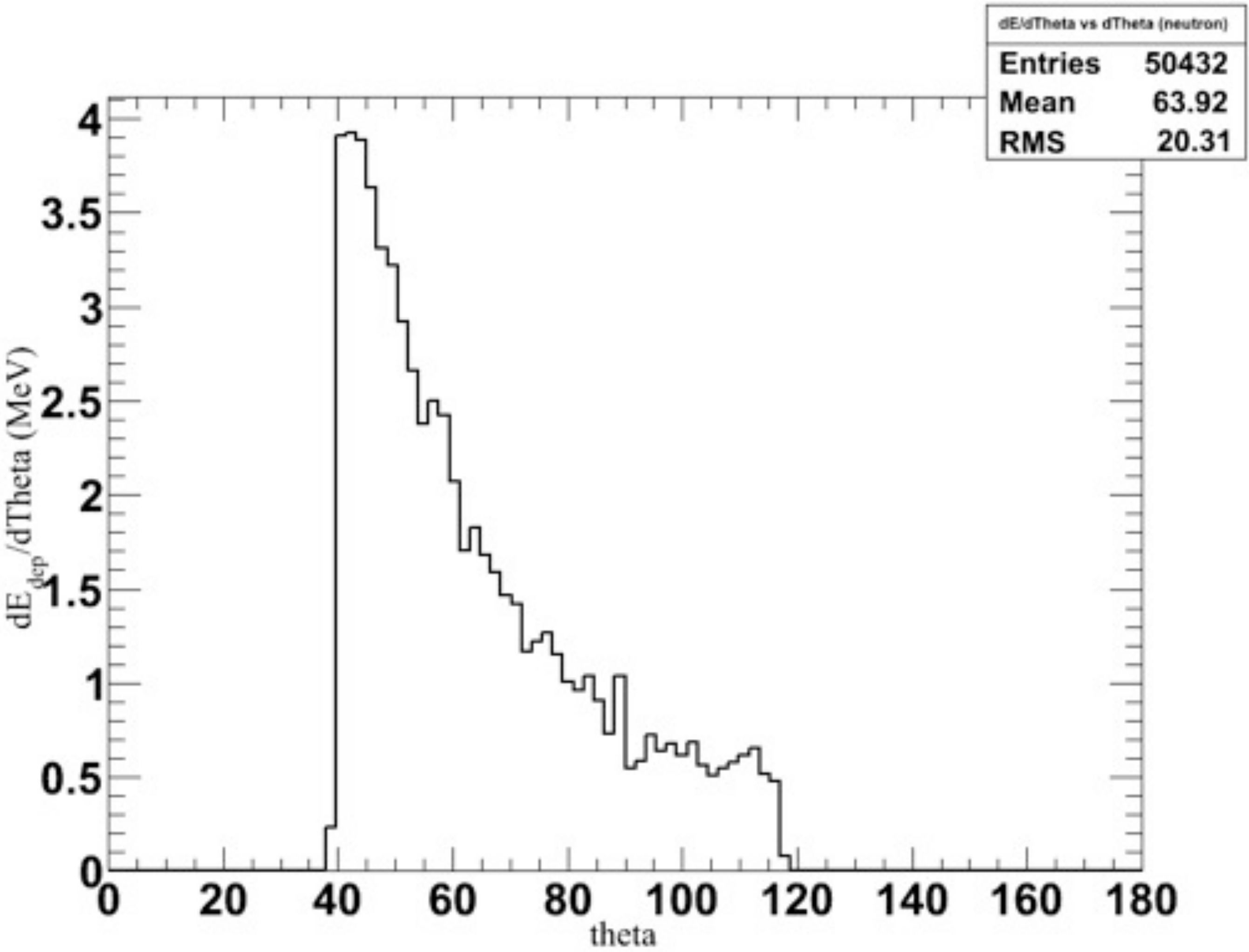
: except for muons and electrons



neutrons

dE/dTheta : threshold 10 MeV



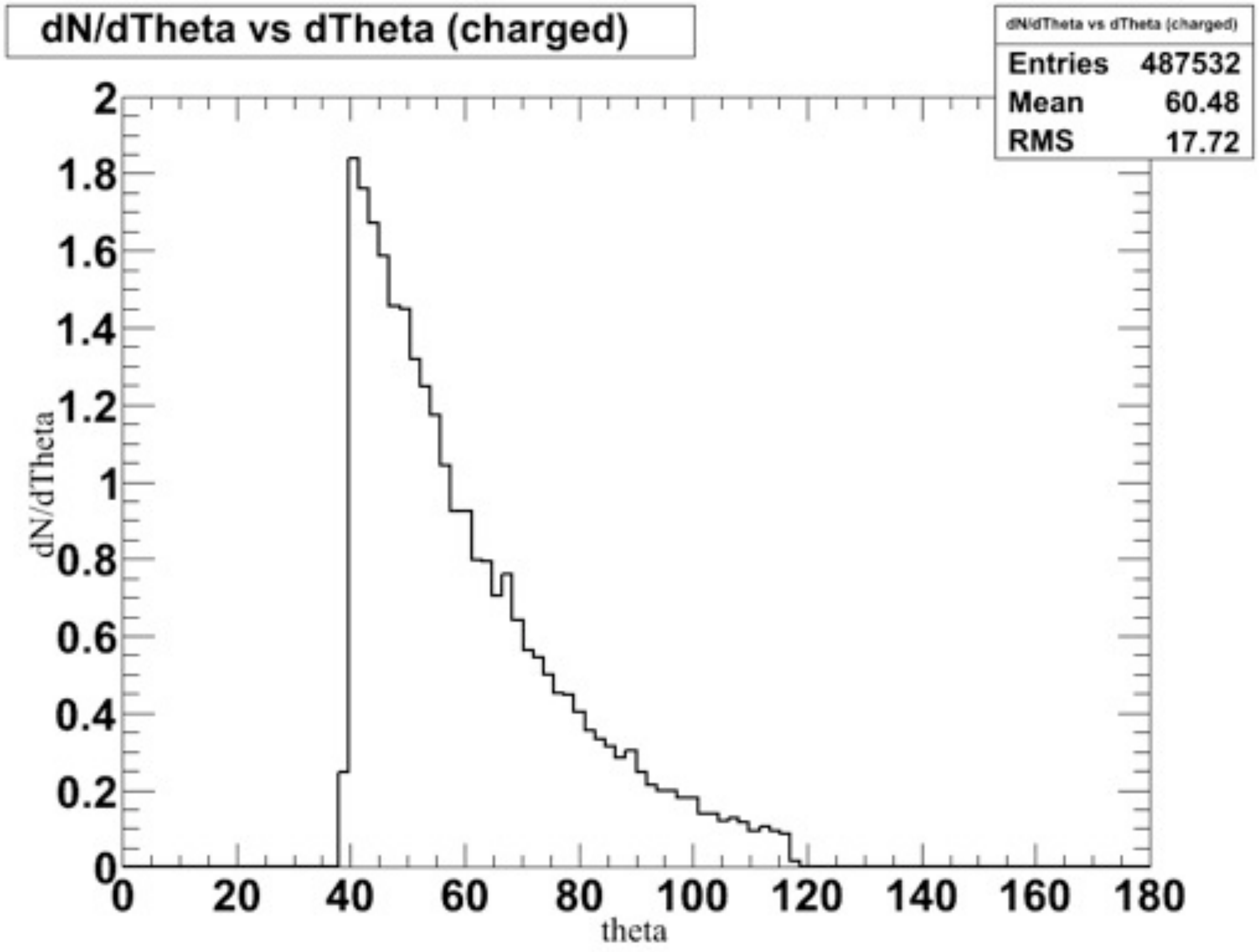


charged particles

: except for muons and electrons

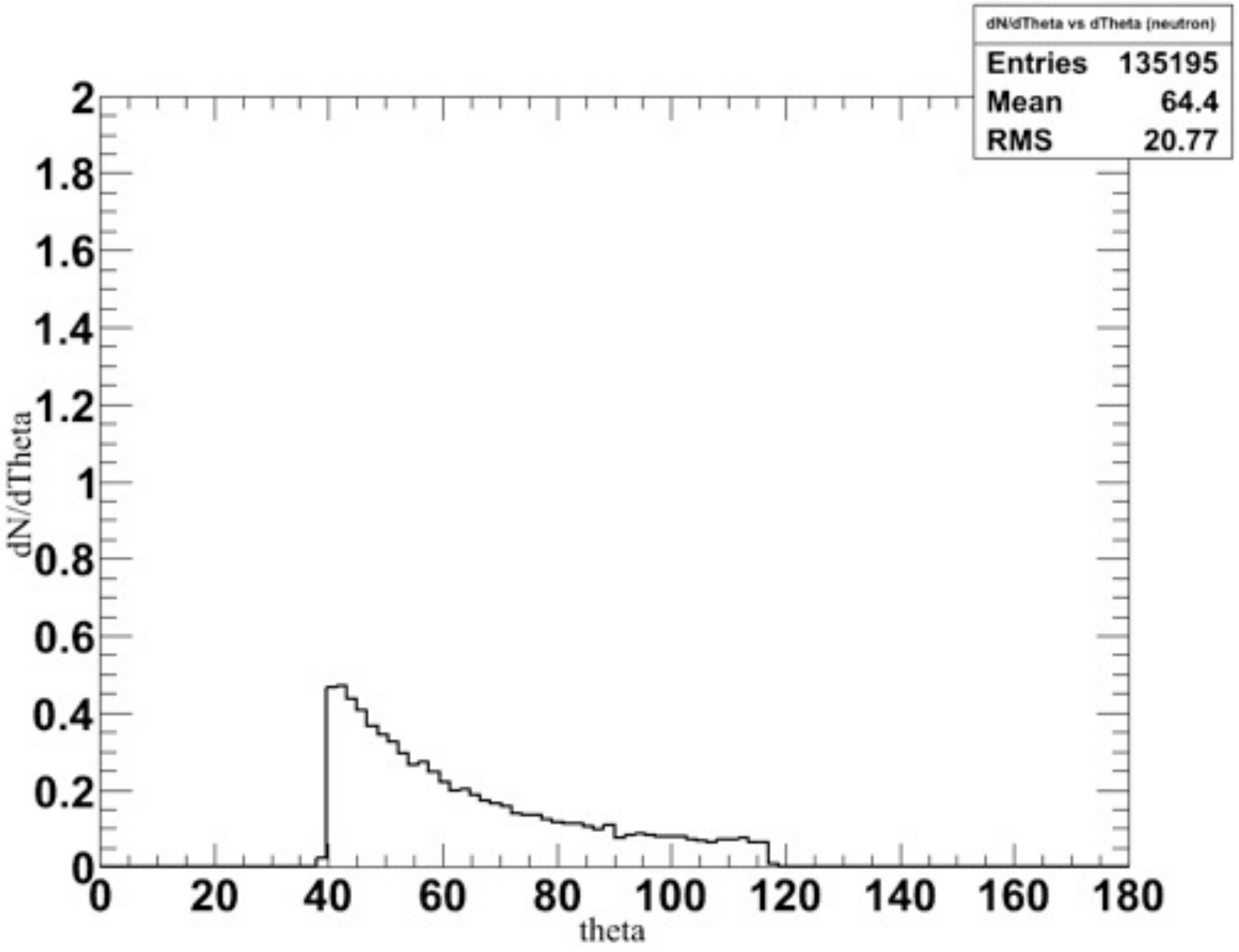
neutrons

dN/dTheta : threshold 2 MeV



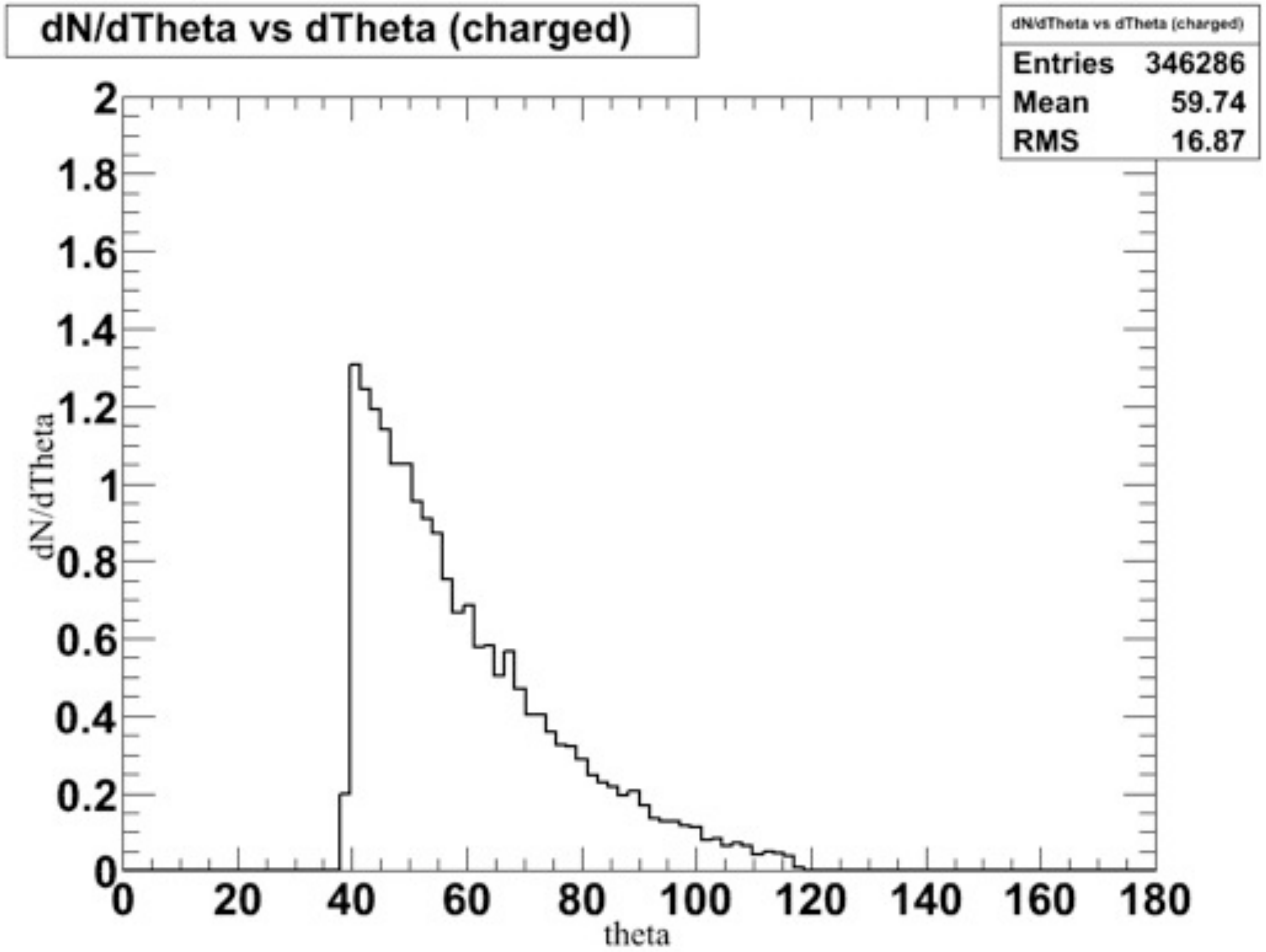
charged particles

: except for muons and electrons



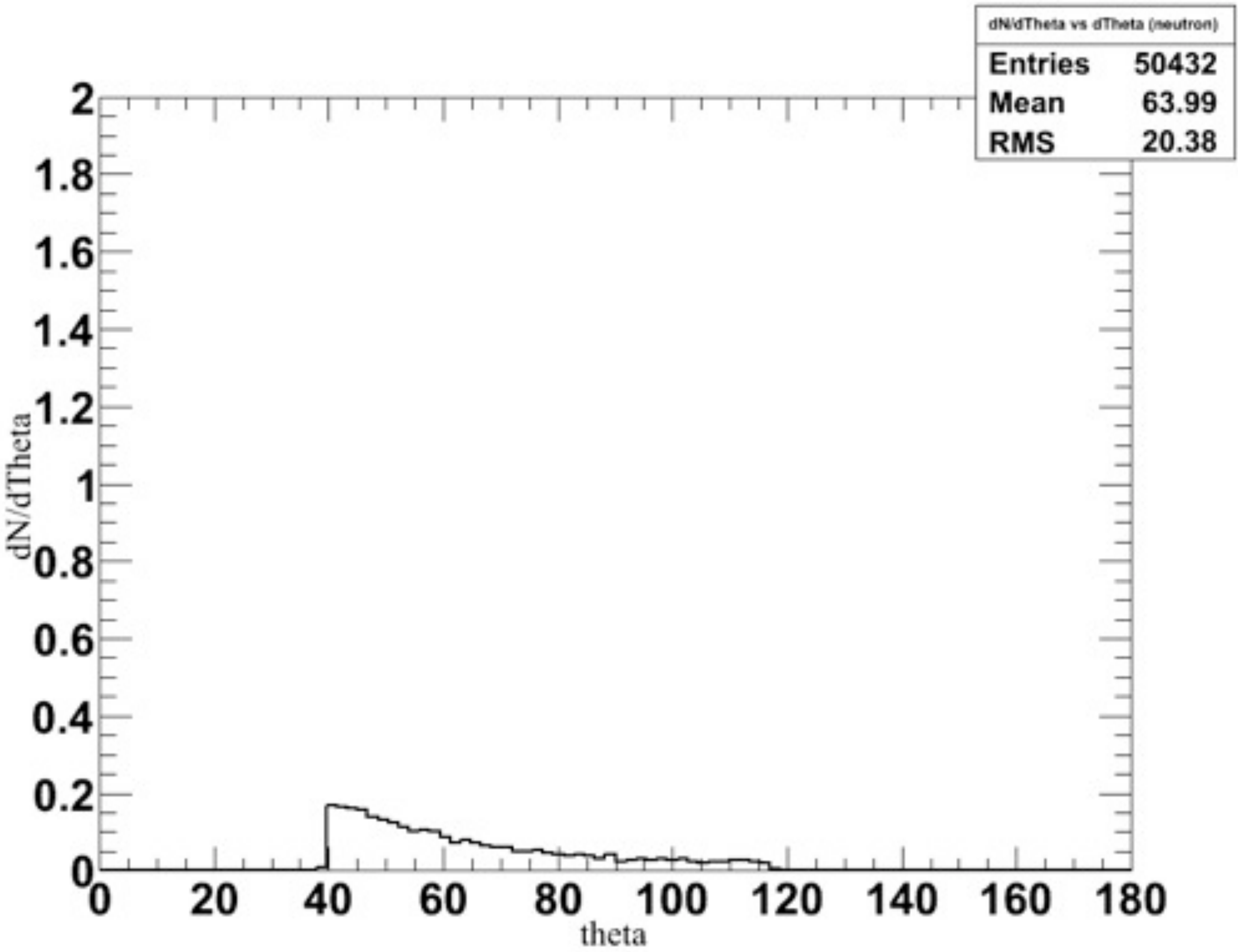
neutrons

dN/dTheta : threshold 10 MeV



charged particles

: except for muons and electrons



neutrons