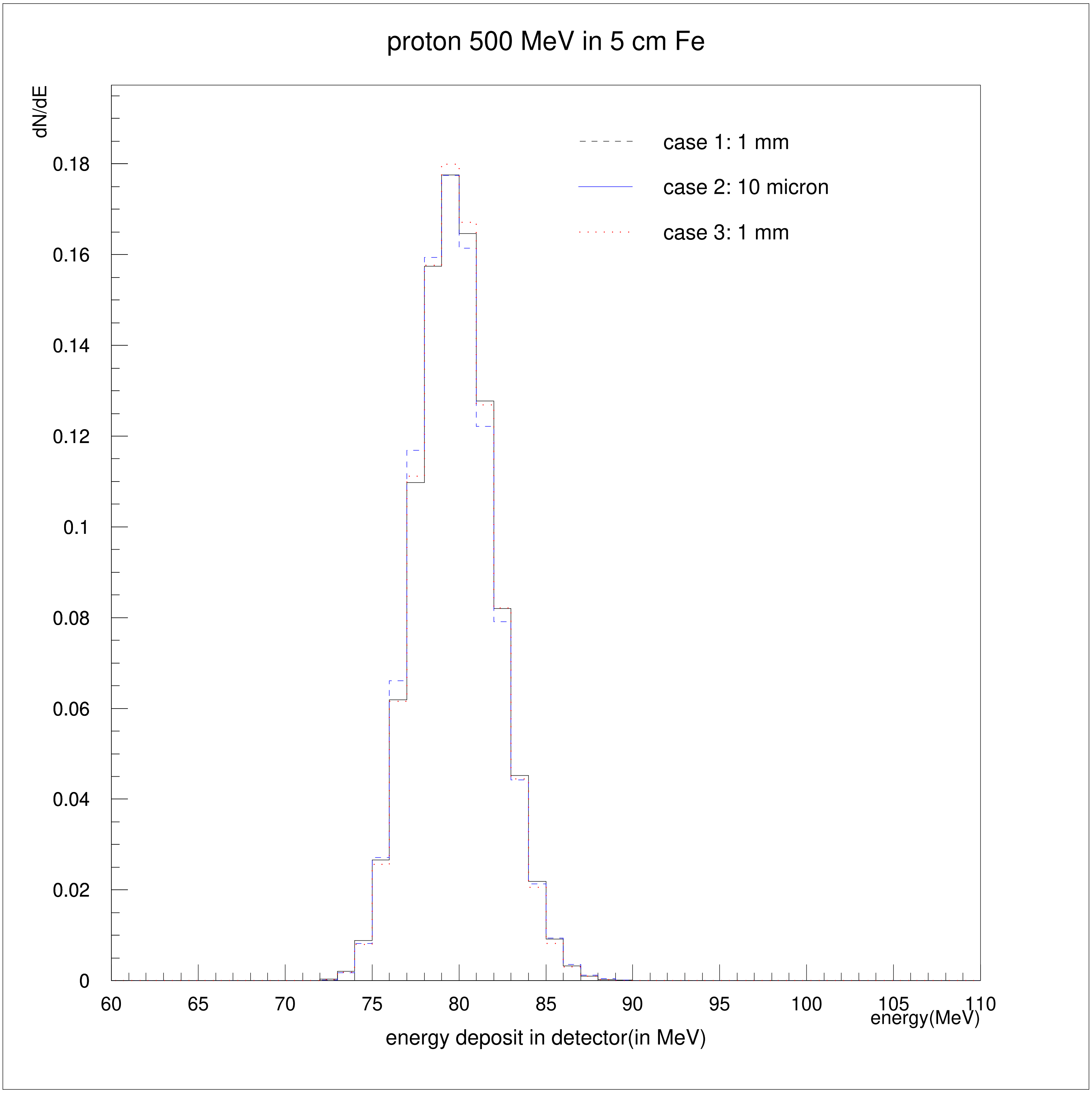
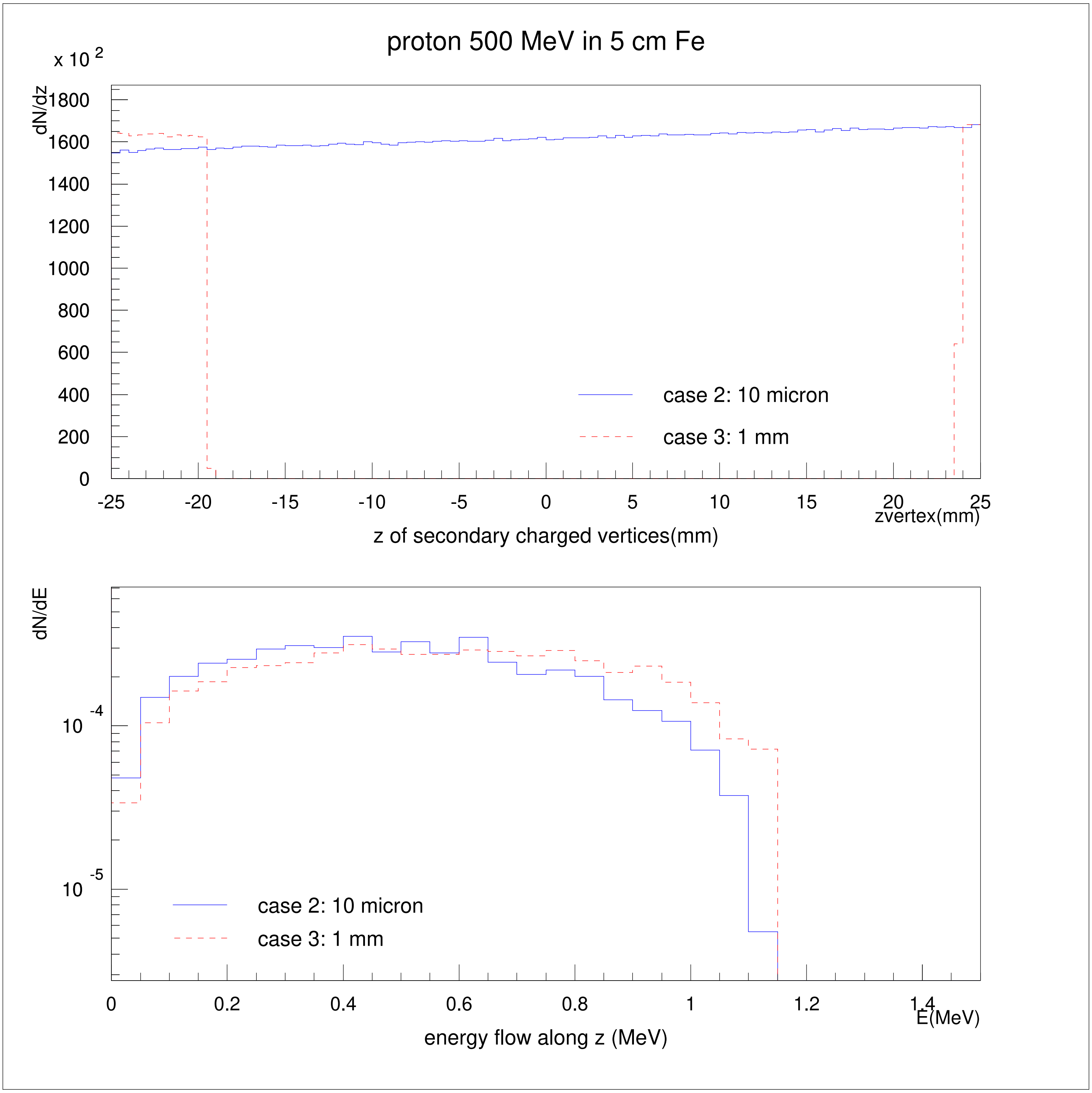

proton 500 MeV in 5 cm Fe
dN/dE
case 1: 1 mm
case 2: 10 micron
case 3: 1 mm
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
60
65
70
75
80
85
90
95
100
105
110
energy(MeV)
energy deposit in detector(in MeV)


proton 500 MeV in 5 cm Fe
x 10 2
dN/dz
1800
1600
1400
1200
1000
800
600
400
200
0
case 2: 10 micron
case 3: 1 mm
-25
-20
-15
-10
-5
0
5
10
15
20
25
zvertex(mm)
z of secondary charged vertices(mm)
dN/dE
10 -4
10 -5
case 2: 10 micron
case 3: 1 mm
0
0.2
0.4
0.6
0.8
1
1.2
1.4
E(MeV)
energy flow along z (MeV)