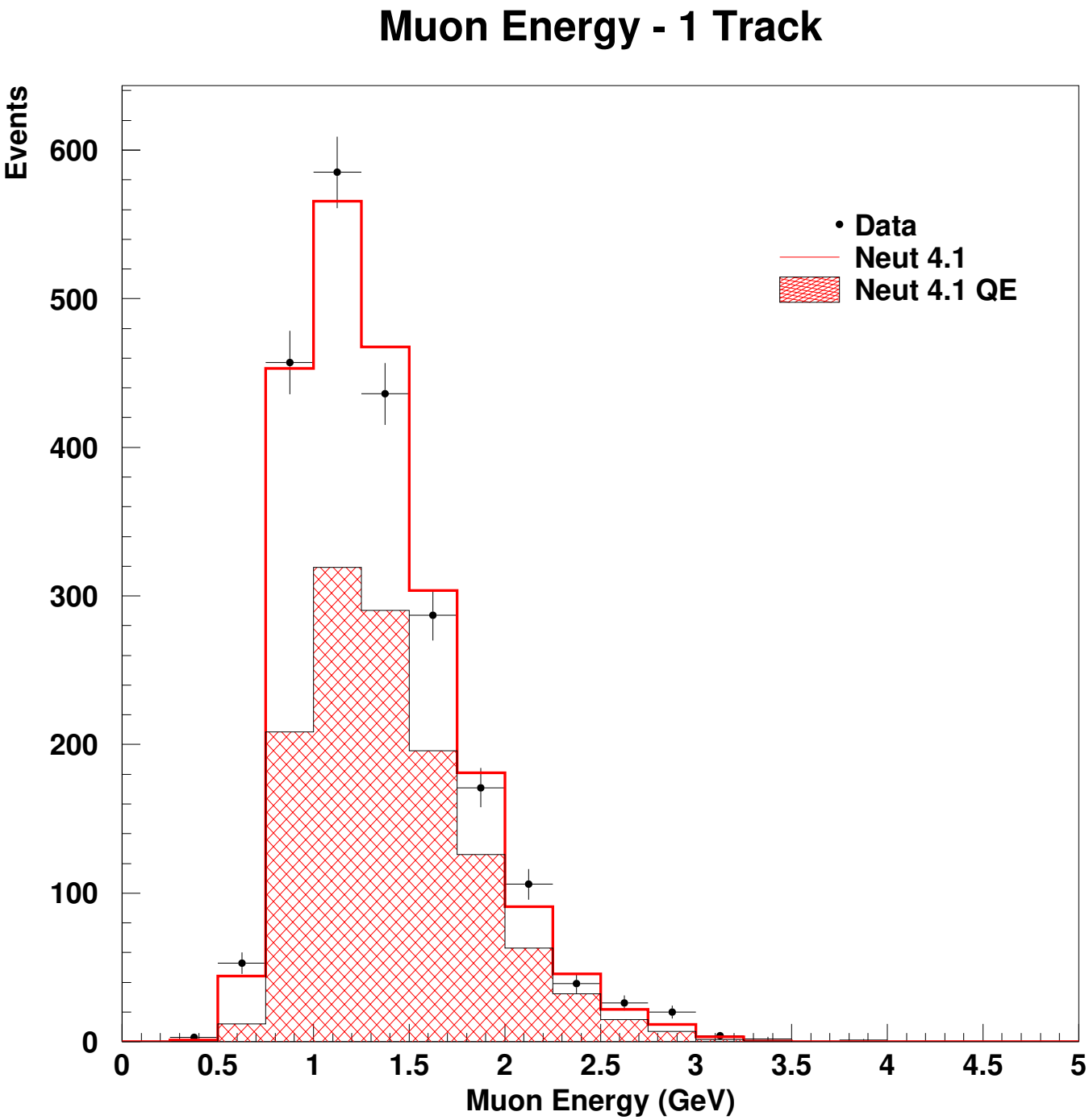
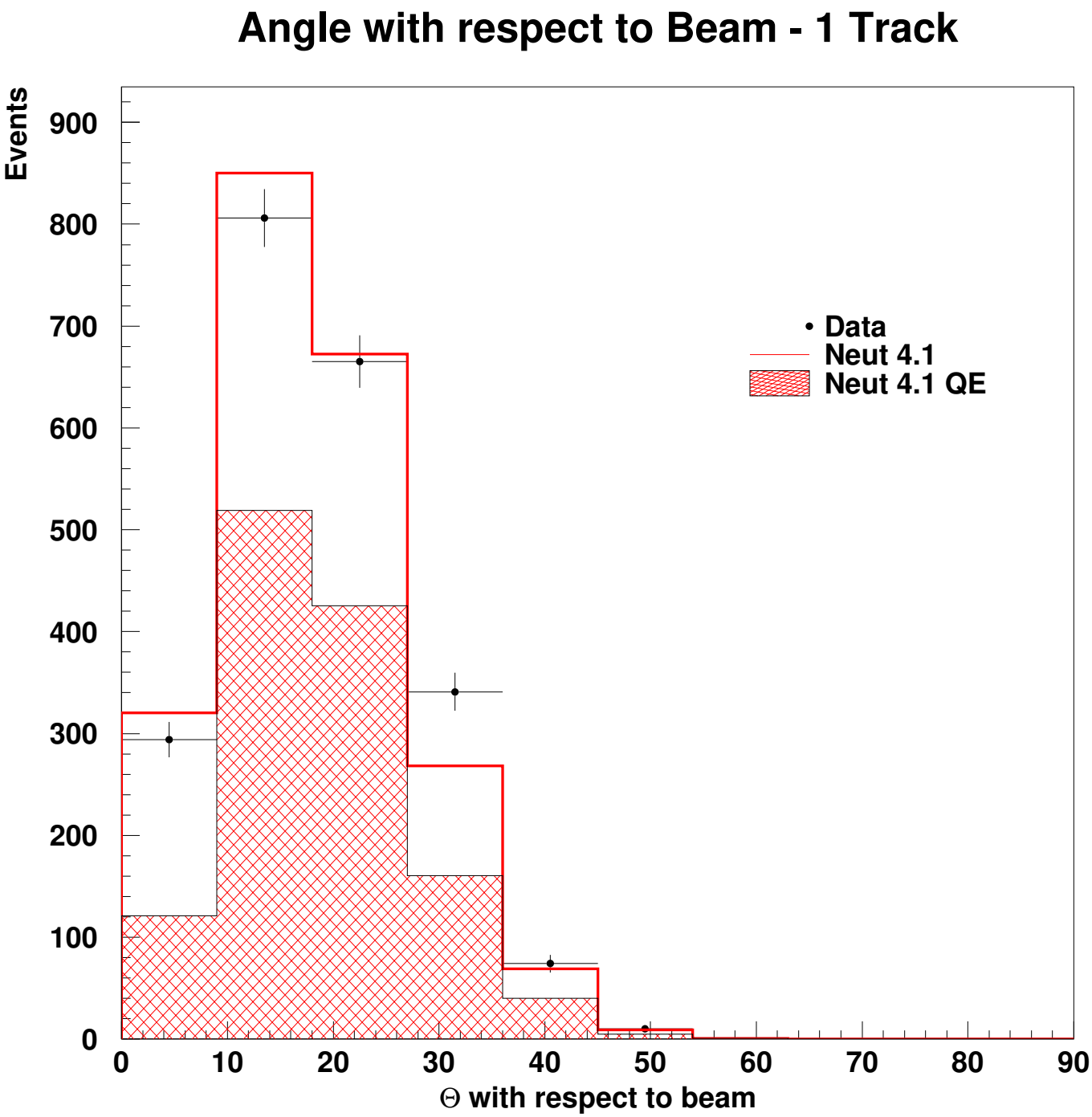
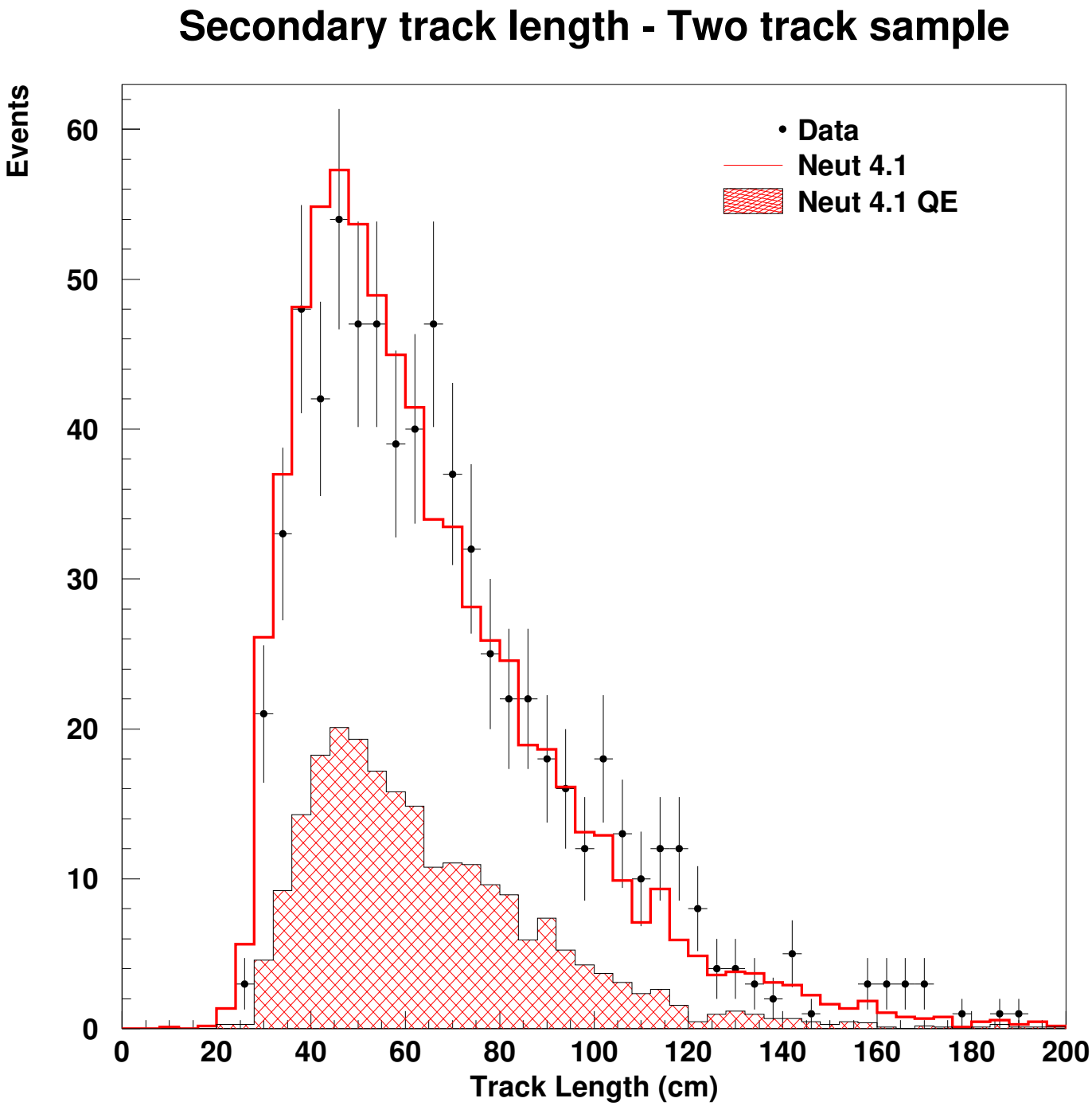
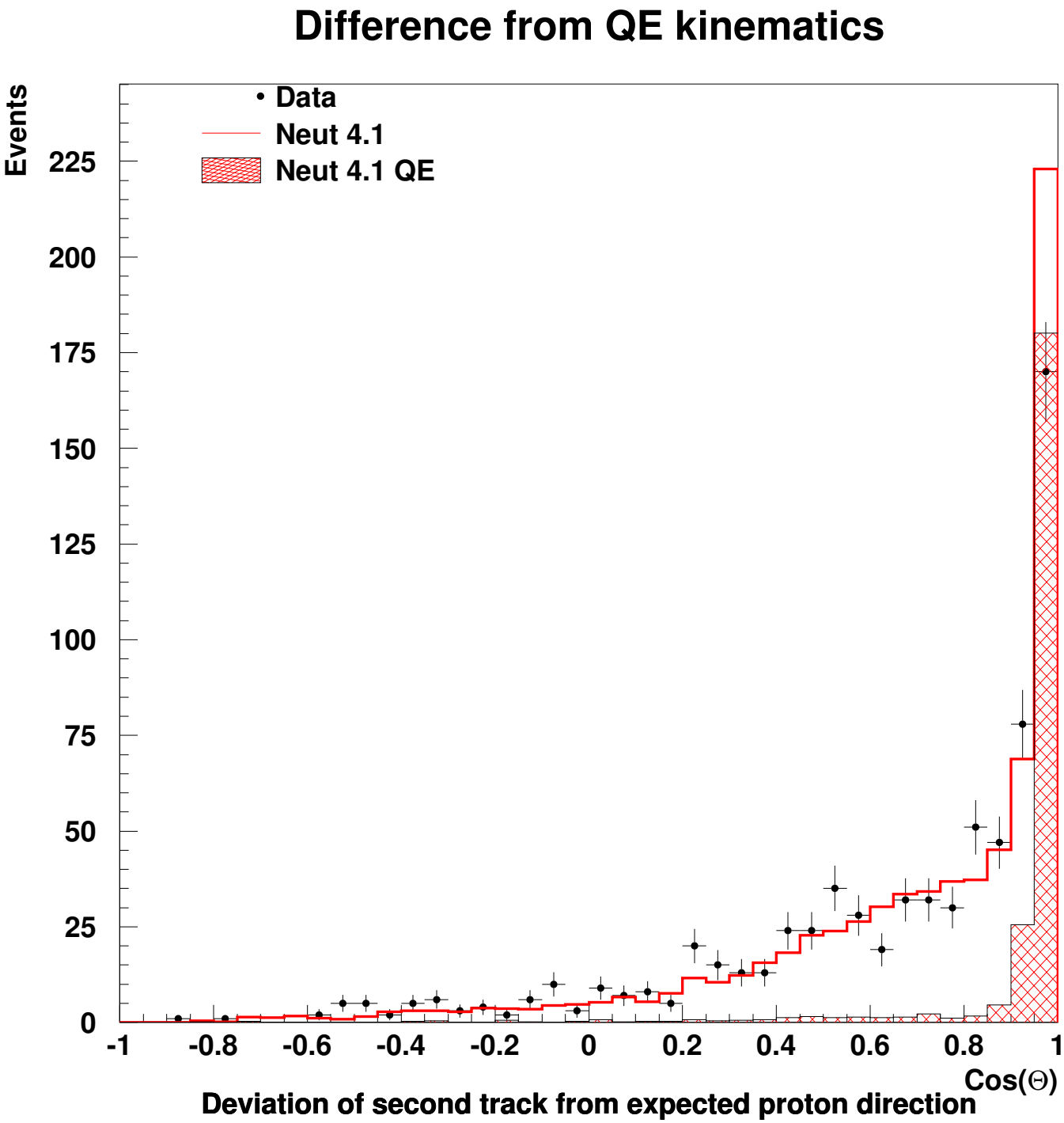
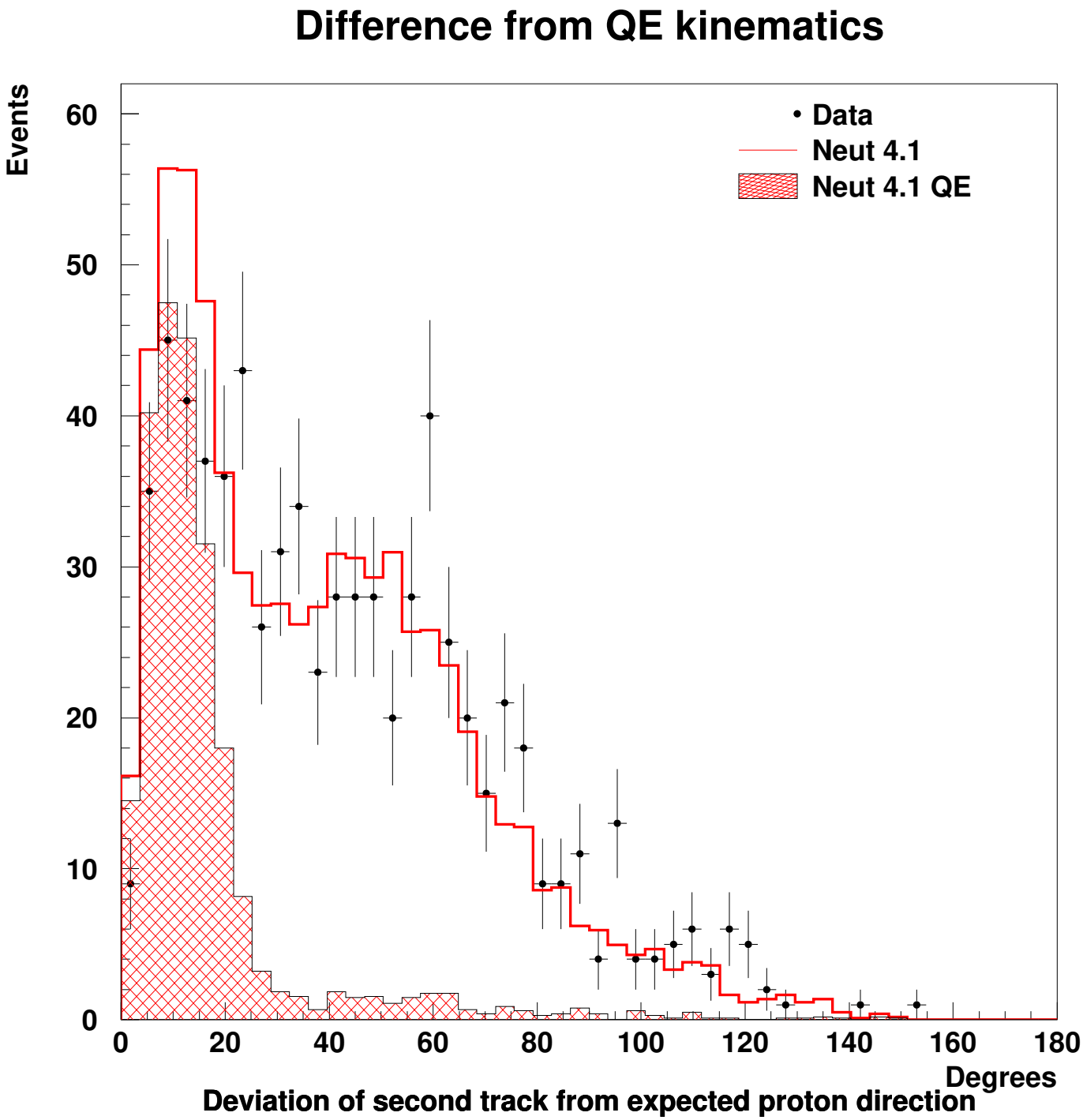
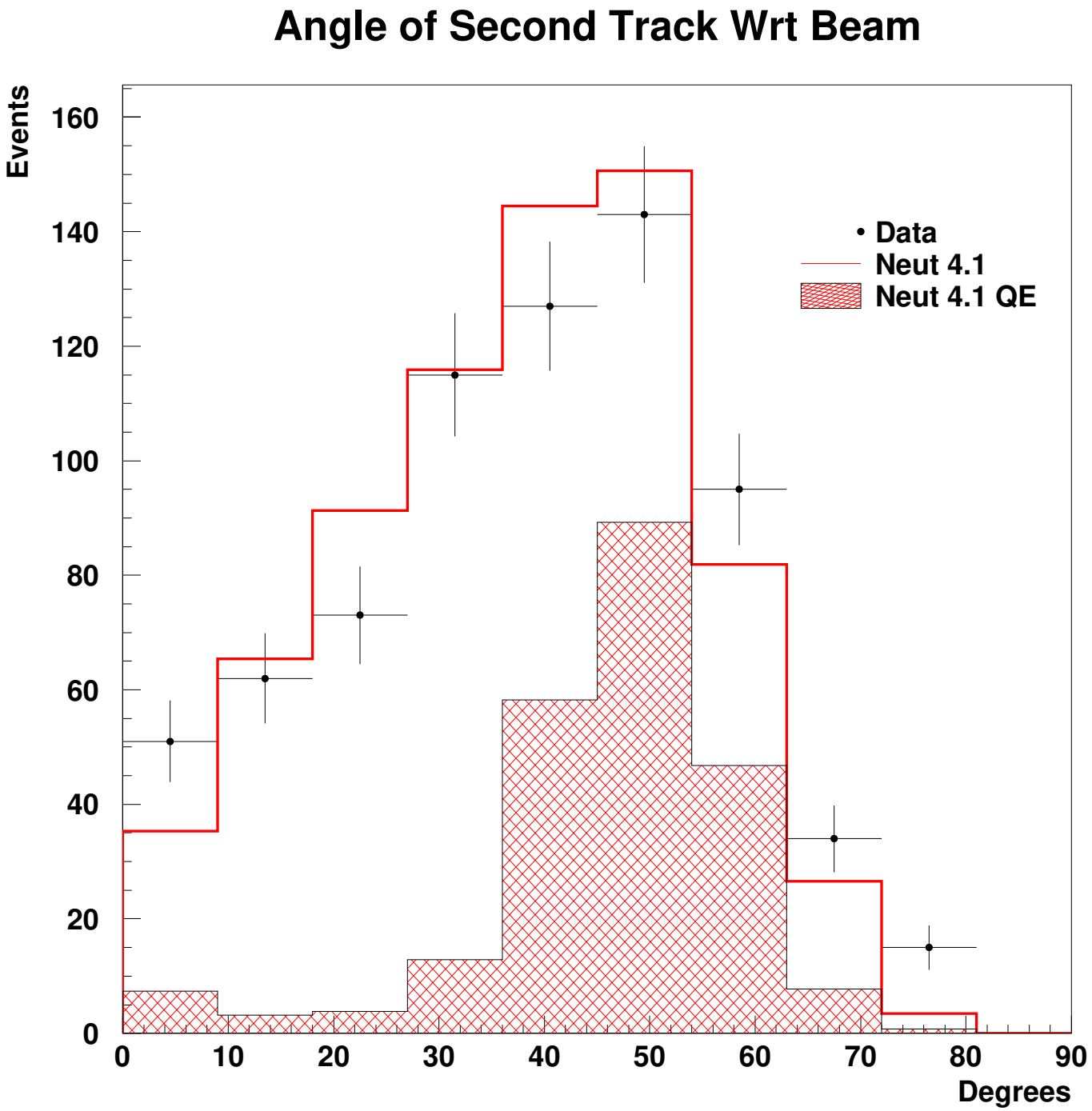

Muon Energy - 1 Track
Events
600
500
400
300
200
100
0
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Muon Energy (GeV)
Data
Neut 4.1
Neut 4.1 QE


Angle with respect to Beam - 1 Track
Events
900
800
700
600
500
400
300
200
100
0
0
10
20
30
40
50
60
70
80
90
Θ with respect to beam
Data
Neut 4.1
Neut 4.1 QE


Secondary track length - Two track sample
Events
Track Length (cm)
Data
Neut 4.1
Neut 4.1 QE
0
10
20
30
40
50
60
0
20
40
60
80
100
120
140
160
180
200


Difference from QE kinematics
Data
Neut 4.1
Neut 4.1 QE
Events
225
200
175
150
125
100
75
50
25
0
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1
Cos(Θ)
Deviation of second track from expected proton direction


Difference from QE kinematics
Events
60
50
40
30
20
10
0
0
20
40
60
80
100
120
140
160
180
Degrees
Deviation of second track from expected proton direction
Data
Neut 4.1
Neut 4.1 QE


Angle of Second Track Wrt Beam
Events
160
140
120
100
80
60
40
20
0
0
10
20
30
40
50
60
70
80
90
Degrees
Data
Neut 4.1
Neut 4.1 QE