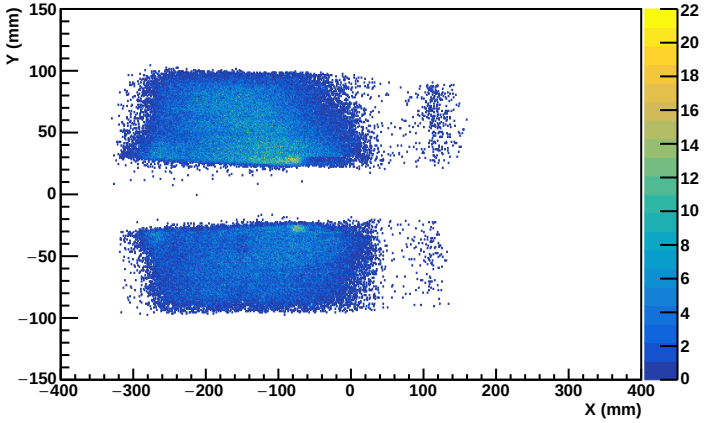
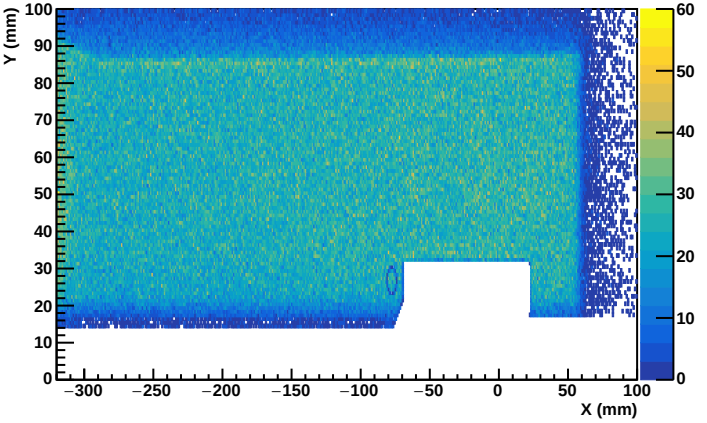
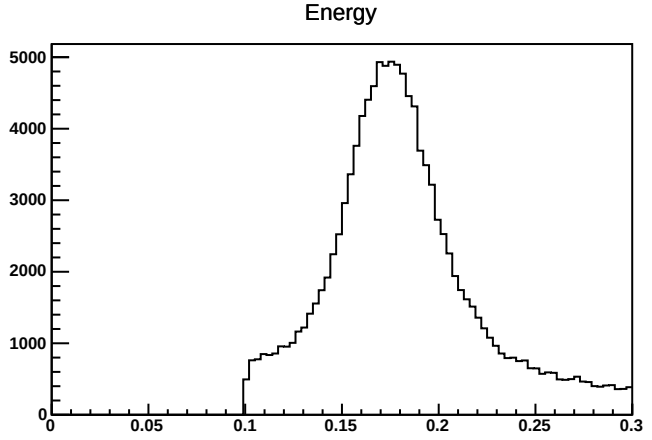
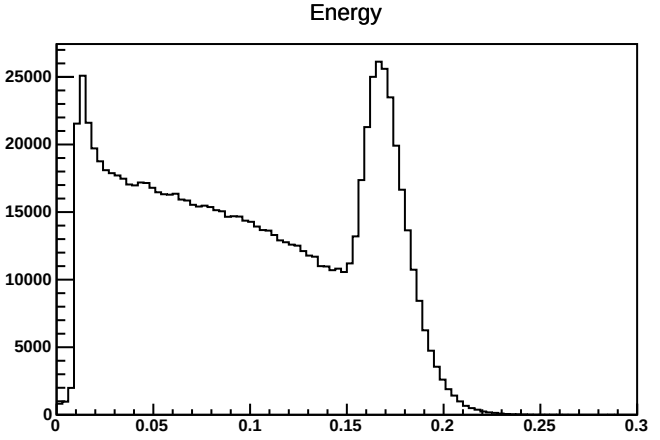
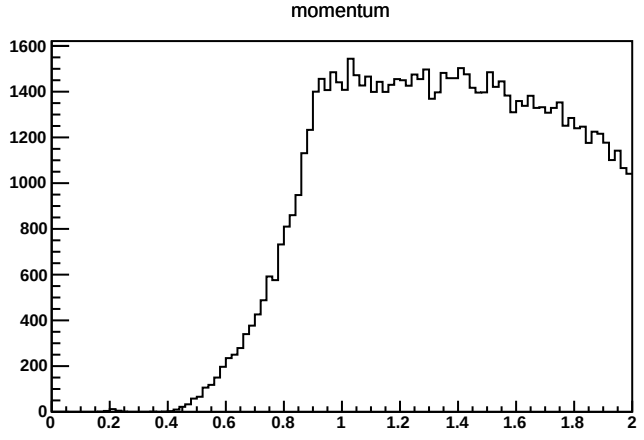
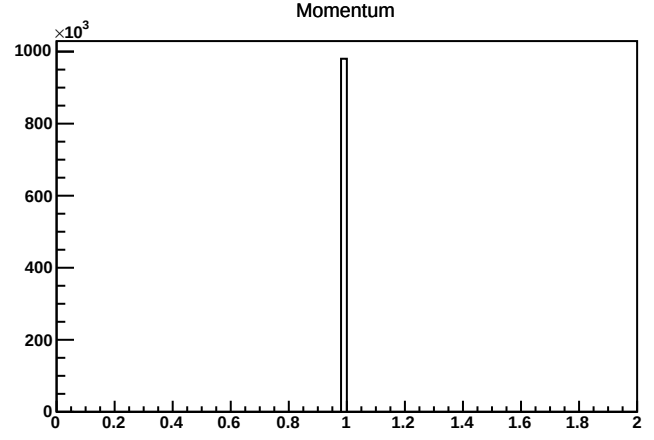

Y (mm)
X (mm)

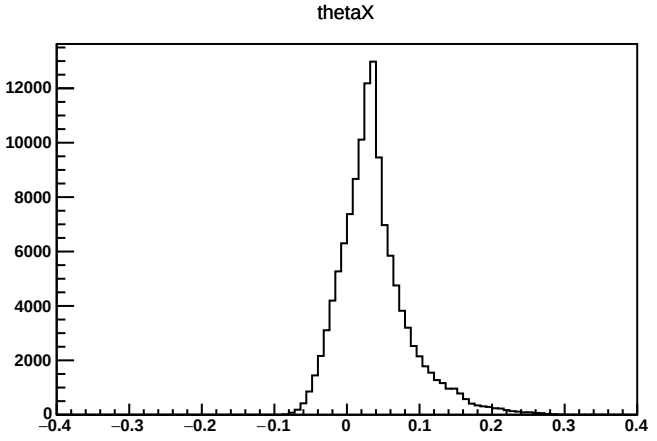

Y (mm)
X (mm)

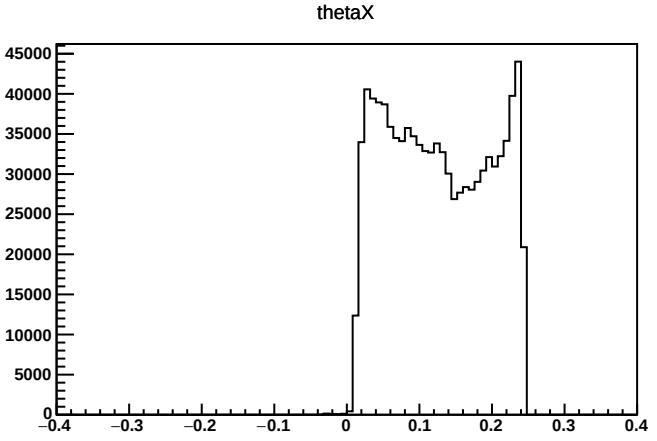

Energy

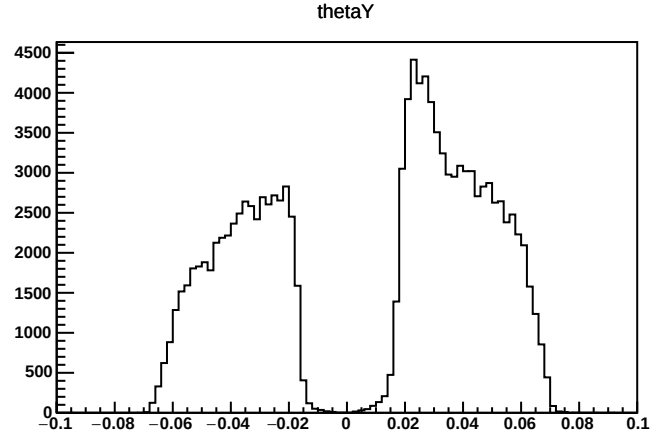

Energy

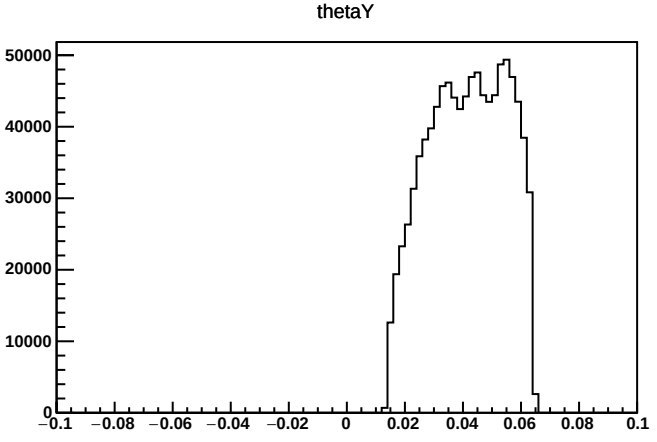

momentum

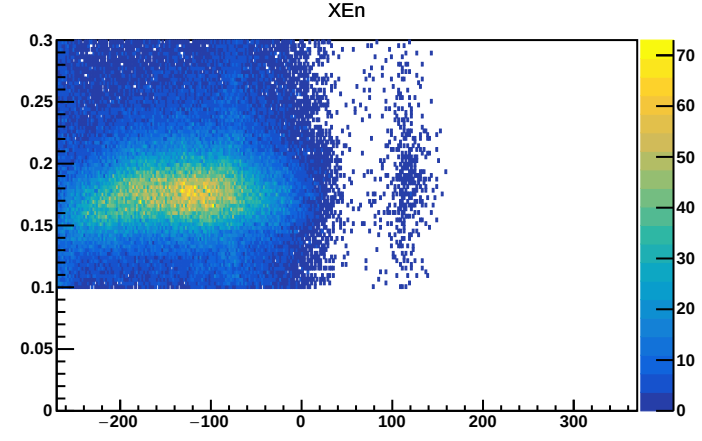

Momentum
×10^3

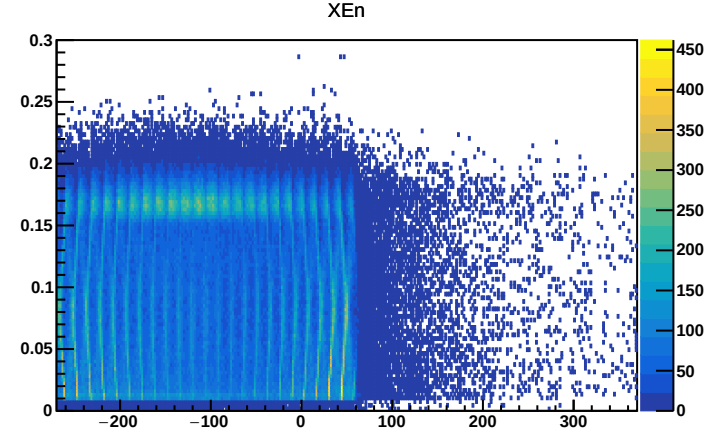

thetaX
12000
10000
8000
6000
4000
2000
0
−0.4
−0.3
−0.2
−0.1
0
0.1
0.2
0.3
0.4

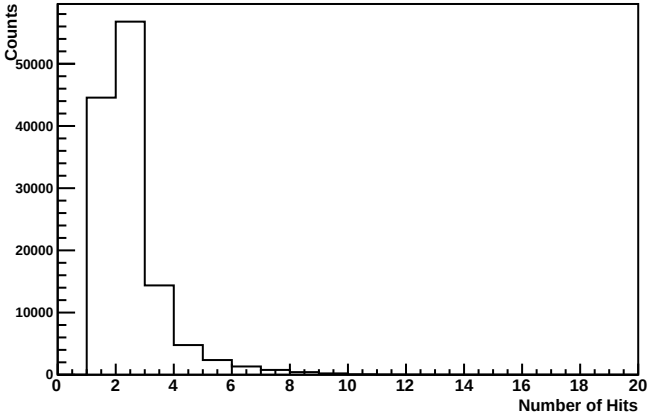

thetaX
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
−0.4
−0.3
−0.2
−0.1
0
0.1
0.2
0.3
0.4

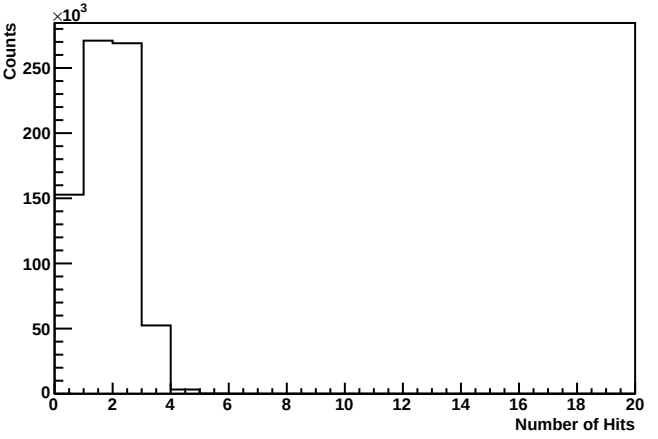

thetaY
4500
4000
3500
3000
2500
2000
1500
1000
500
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1

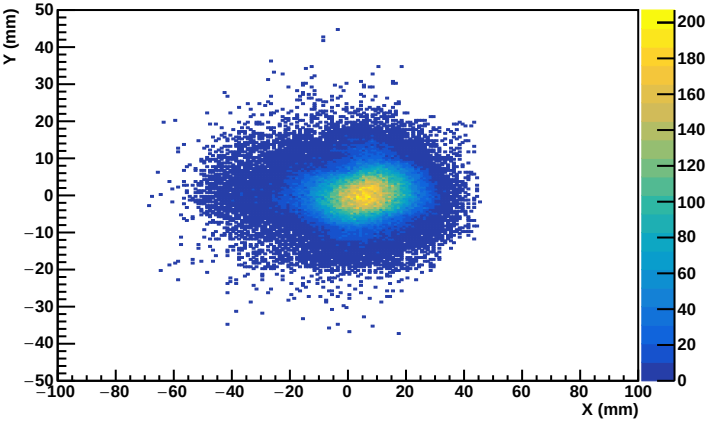

thetaY
50000
40000
30000
20000
10000
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1

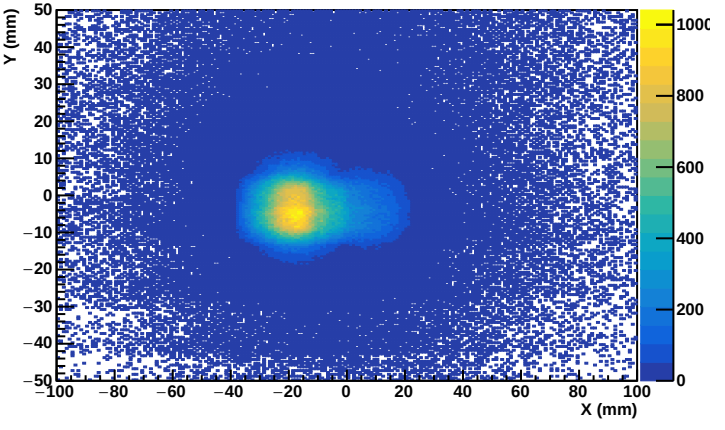

XEn
0.3
0.25
0.2
0.15
0.1
0.05
0
−200
−100
0
100
200
300
70
60
50
40
30
20
10
0

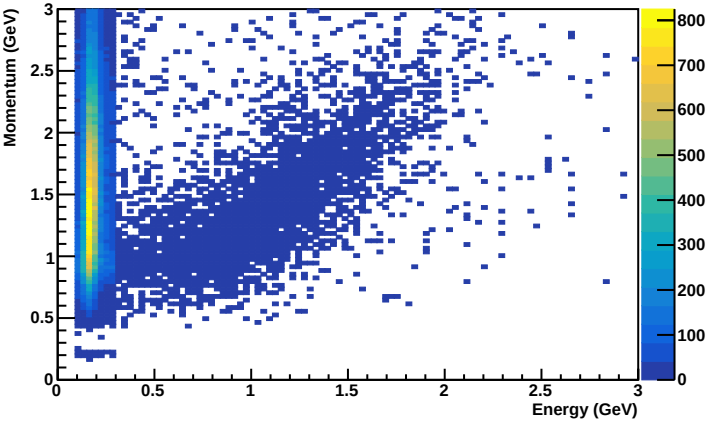

XEn
0.3
0.25
0.2
0.15
0.1
0.05
0
−200
−100
0
100
200
300
450
400
350
300
250
200
150
100
50
0

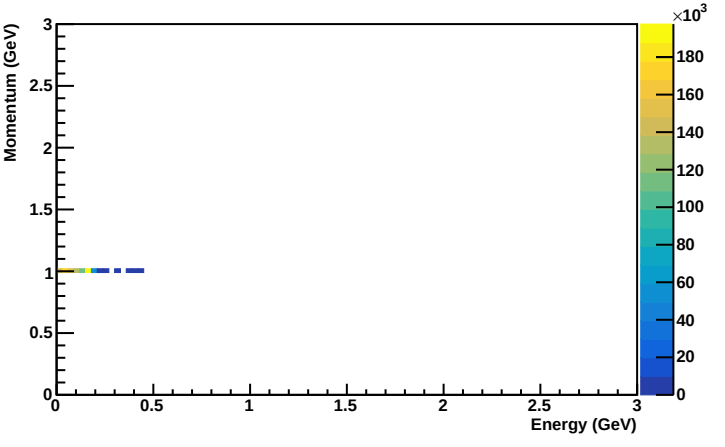

Counts
Number of Hits

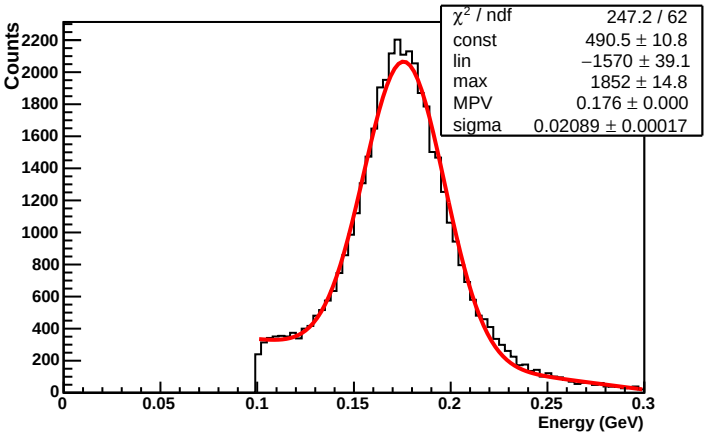

×10^3
Counts
Number of Hits

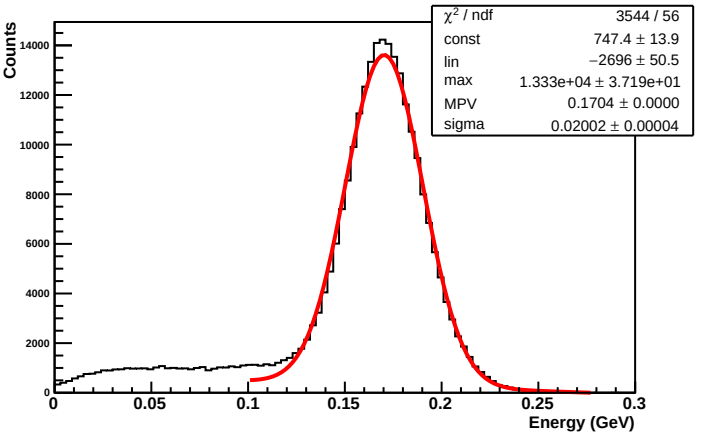

Y (mm)
X (mm)

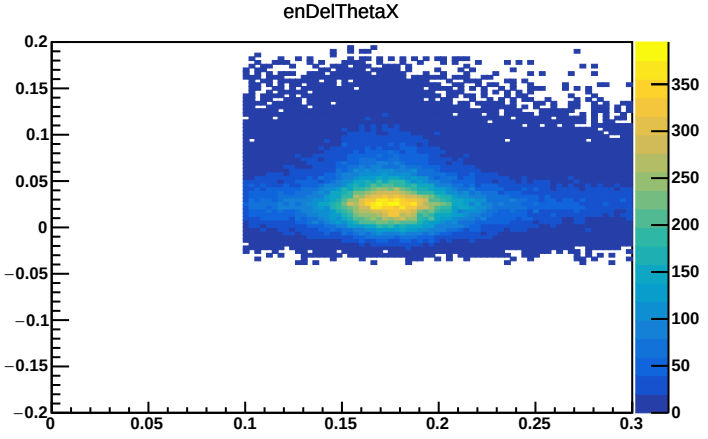

Y (mm)
X (mm)

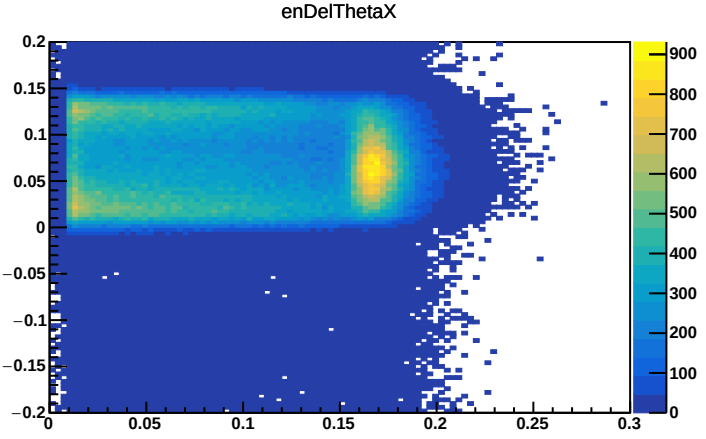

Momentum (GeV)
Energy (GeV)

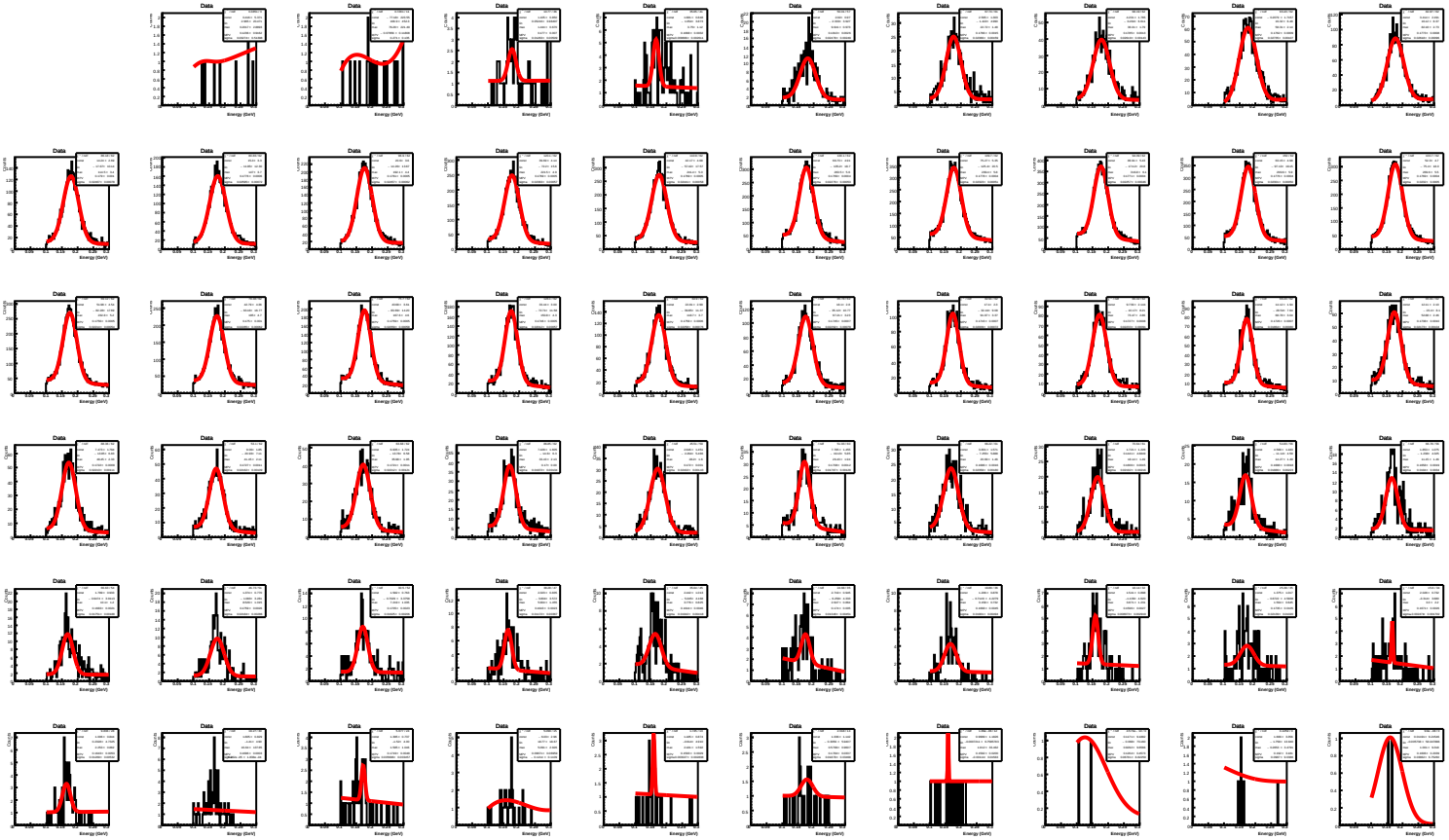

×10^3
Momentum (GeV)
Energy (GeV)

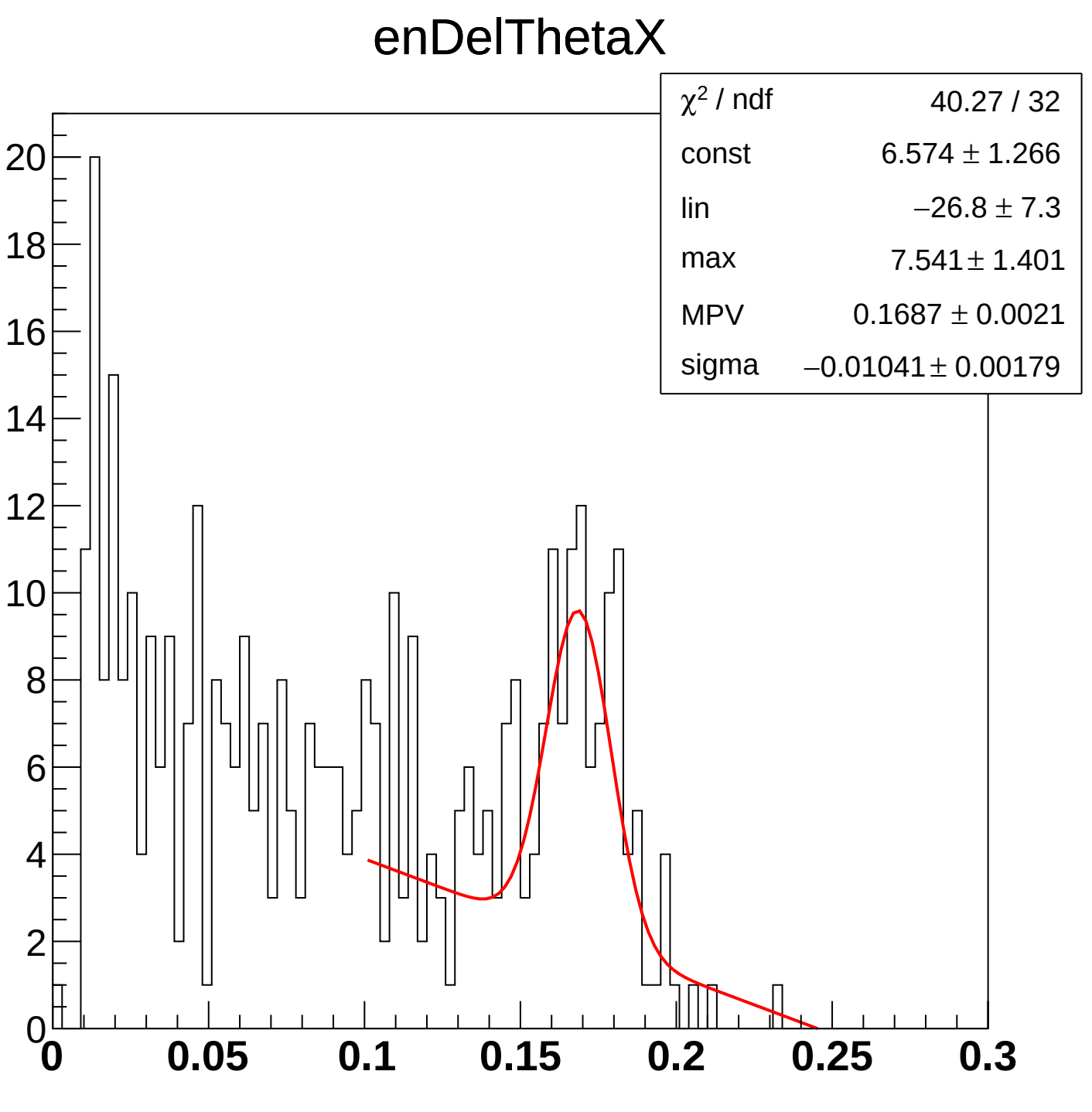

Counts
Energy (GeV)
χ² / ndf 247.2 / 62
const 490.5 ± 10.8
lin −1570 ± 39.1
max 1852 ± 14.8
MPV 0.176 ± 0.000
sigma 0.02089 ± 0.00017


Counts
Energy (GeV)
χ² / ndf 3544 / 56
const 747.4 ± 13.9
lin −2696 ± 50.5
max 1.333e+04 ± 3.719e+01
MPV 0.1704 ± 0.0000
sigma 0.02002 ± 0.00004


enDelThetaX


enDelThetaX


Data
Counts
Energy (GeV)


enDelThetaX
χ² / ndf 40.27 / 32
const 6.574 ± 1.266
lin −26.8 ± 7.3
max 7.541 ± 1.401
MPV 0.1687 ± 0.0021
sigma −0.01041 ± 0.00179
0
2
4
6
8
10
12
14
16
18
20
0
0.05
0.1
0.15
0.2
0.25
0.3