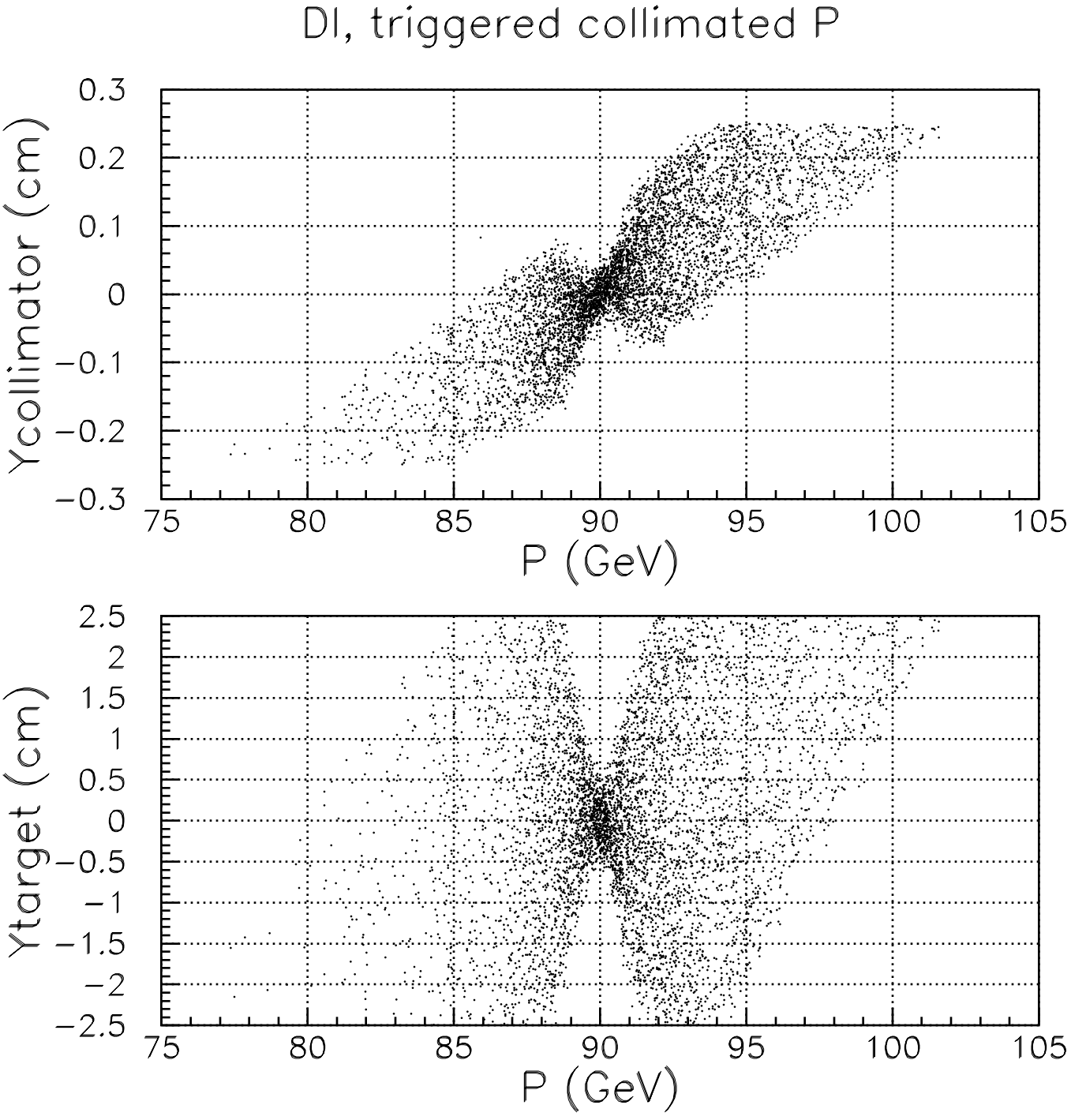
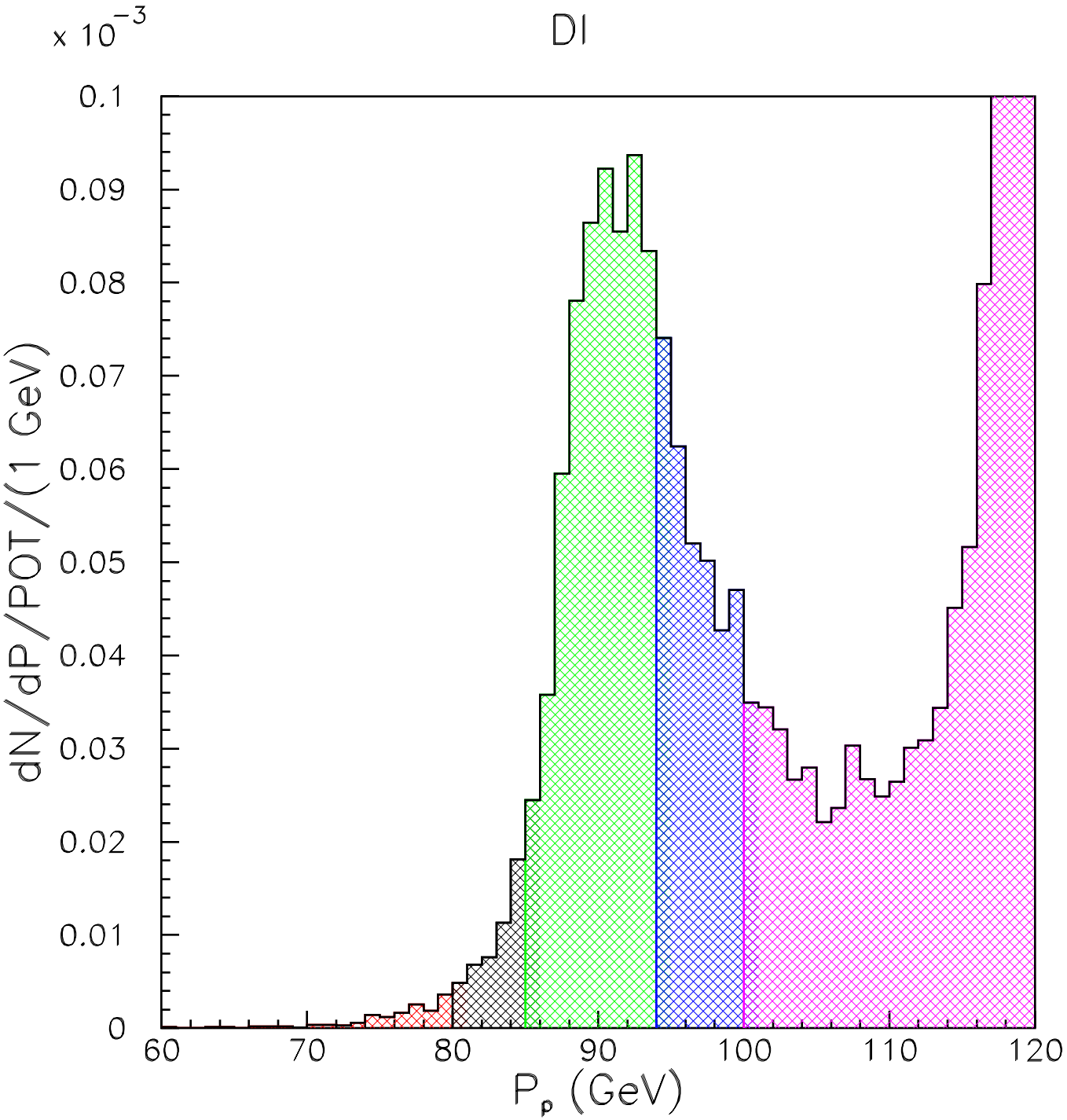
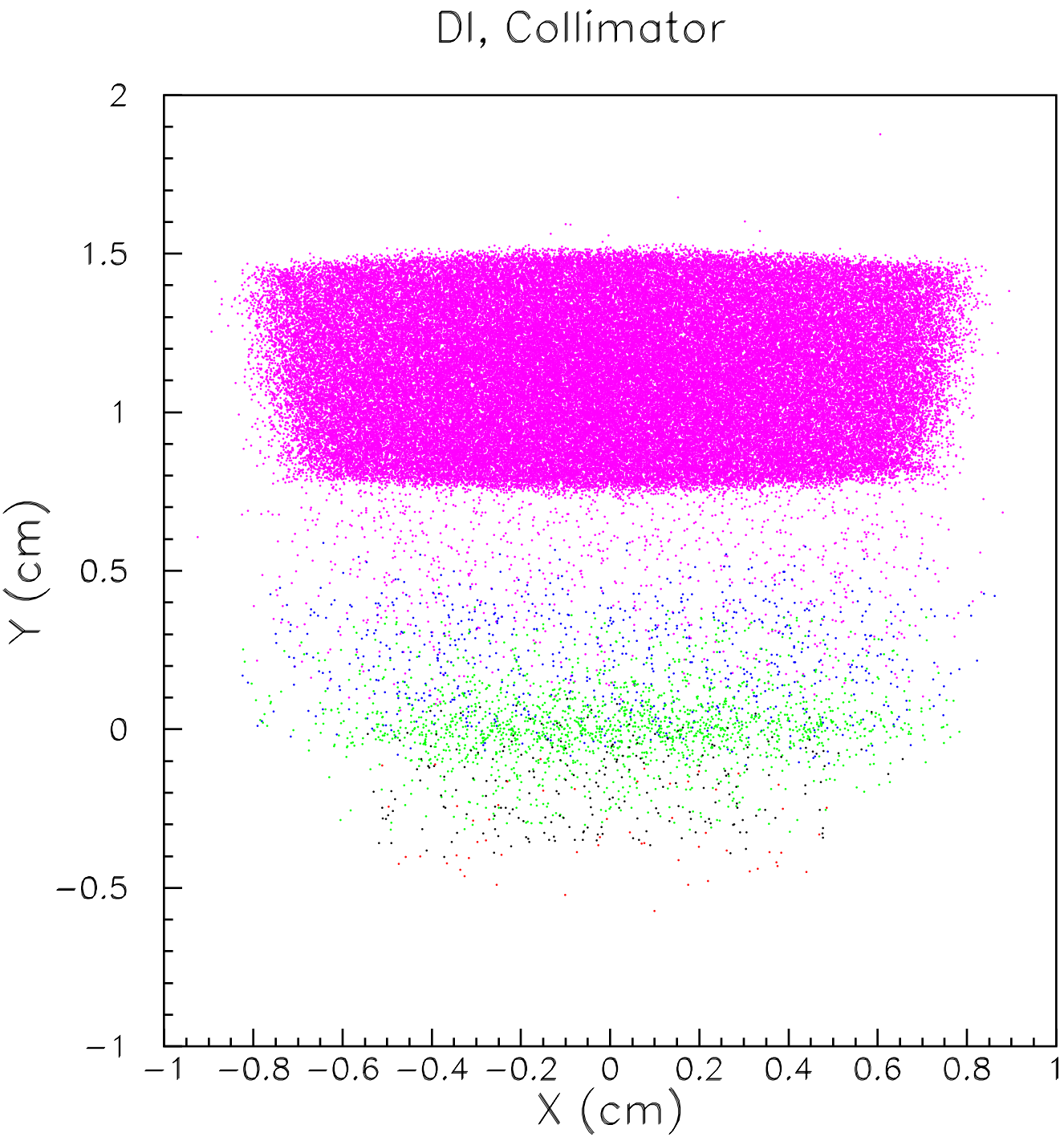
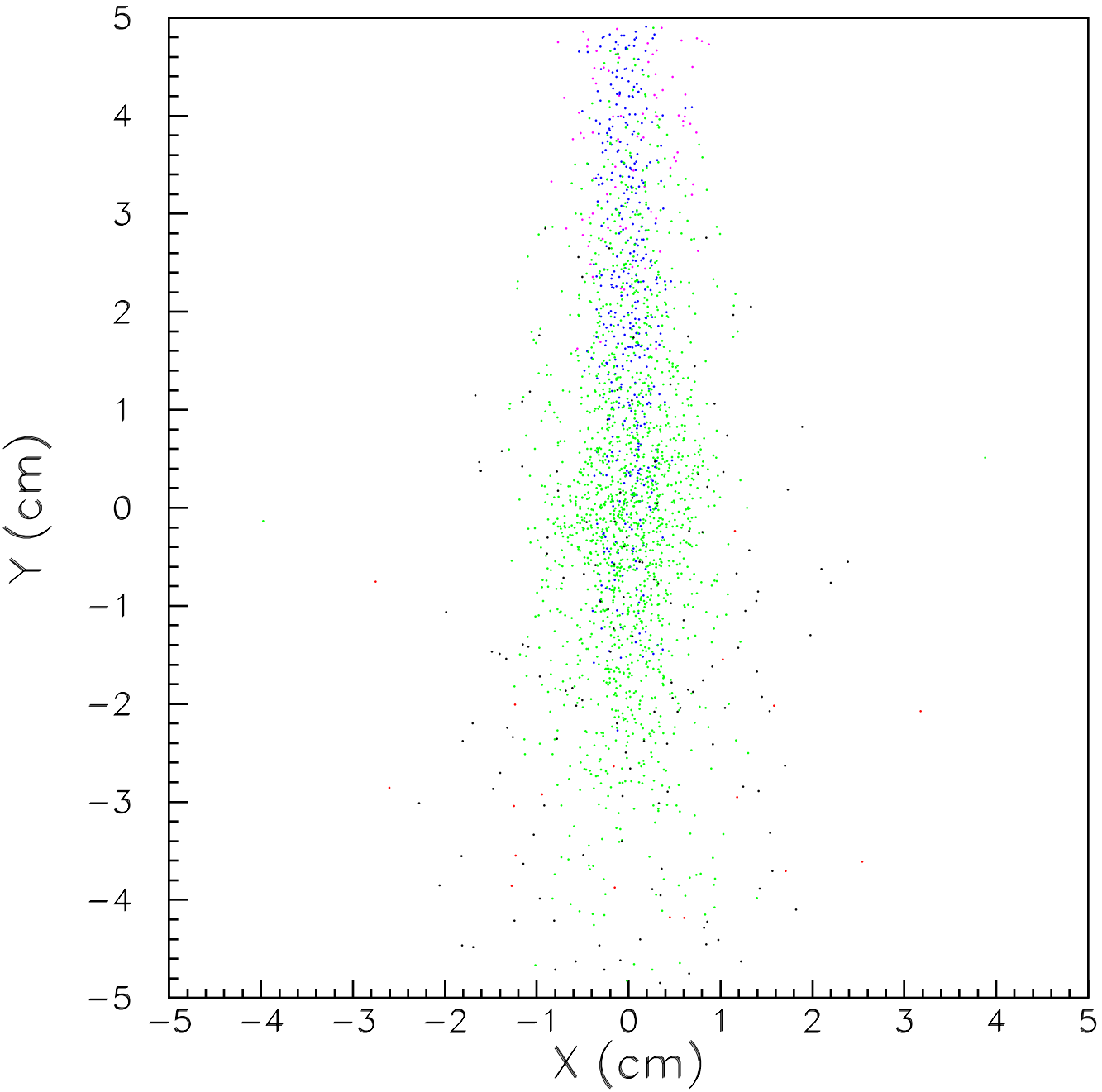
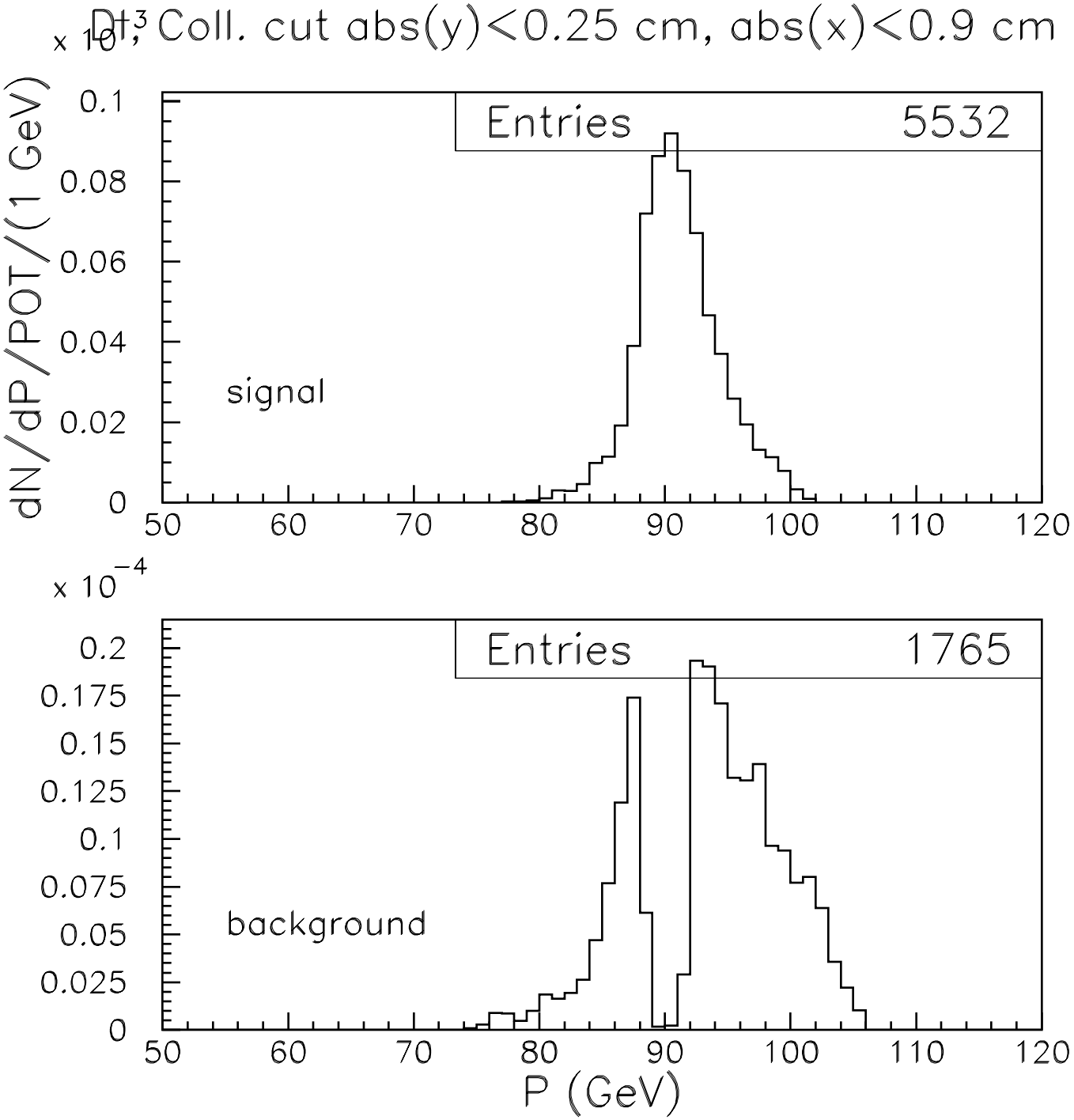
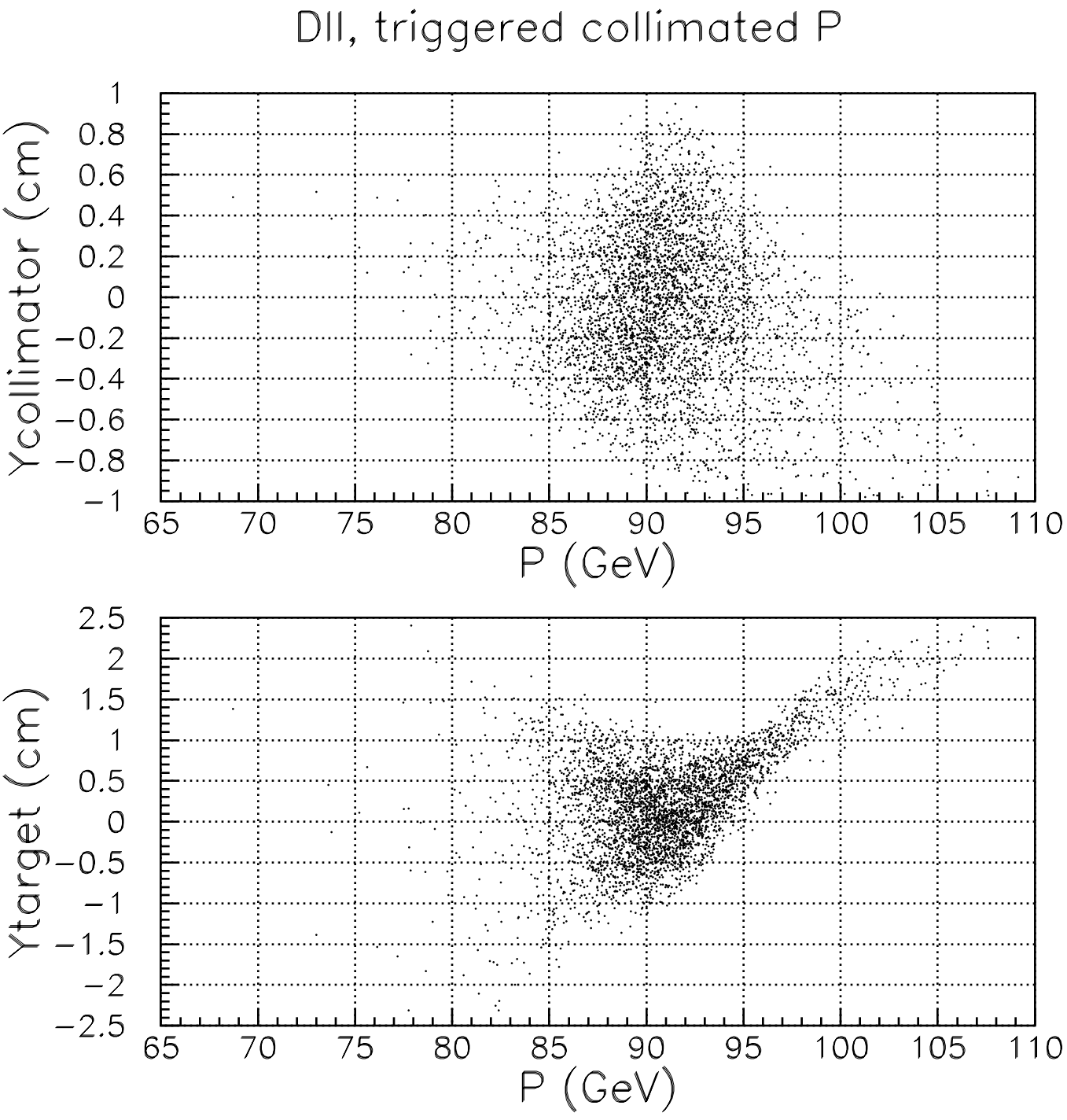

DI, triggered collimated P
Ycollimator (cm)
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
75
80
85
90
95
100
105
P (GeV)
Ytarget (cm)
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
75
80
85
90
95
100
105
P (GeV)

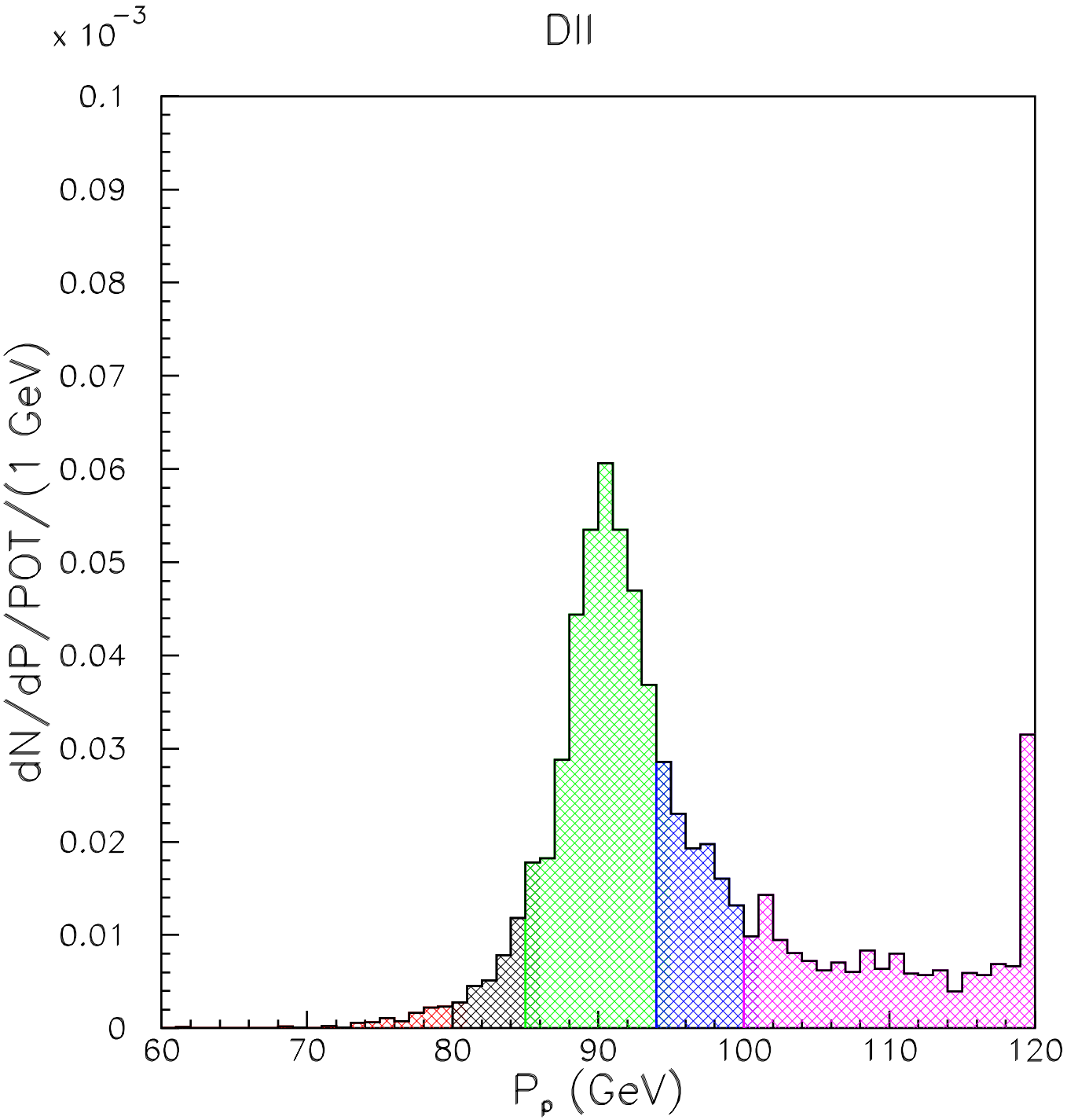

DI
x 10^-3
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
dN/dP/POT/(1 GeV)
60
70
80
90
100
110
120
P_p (GeV)

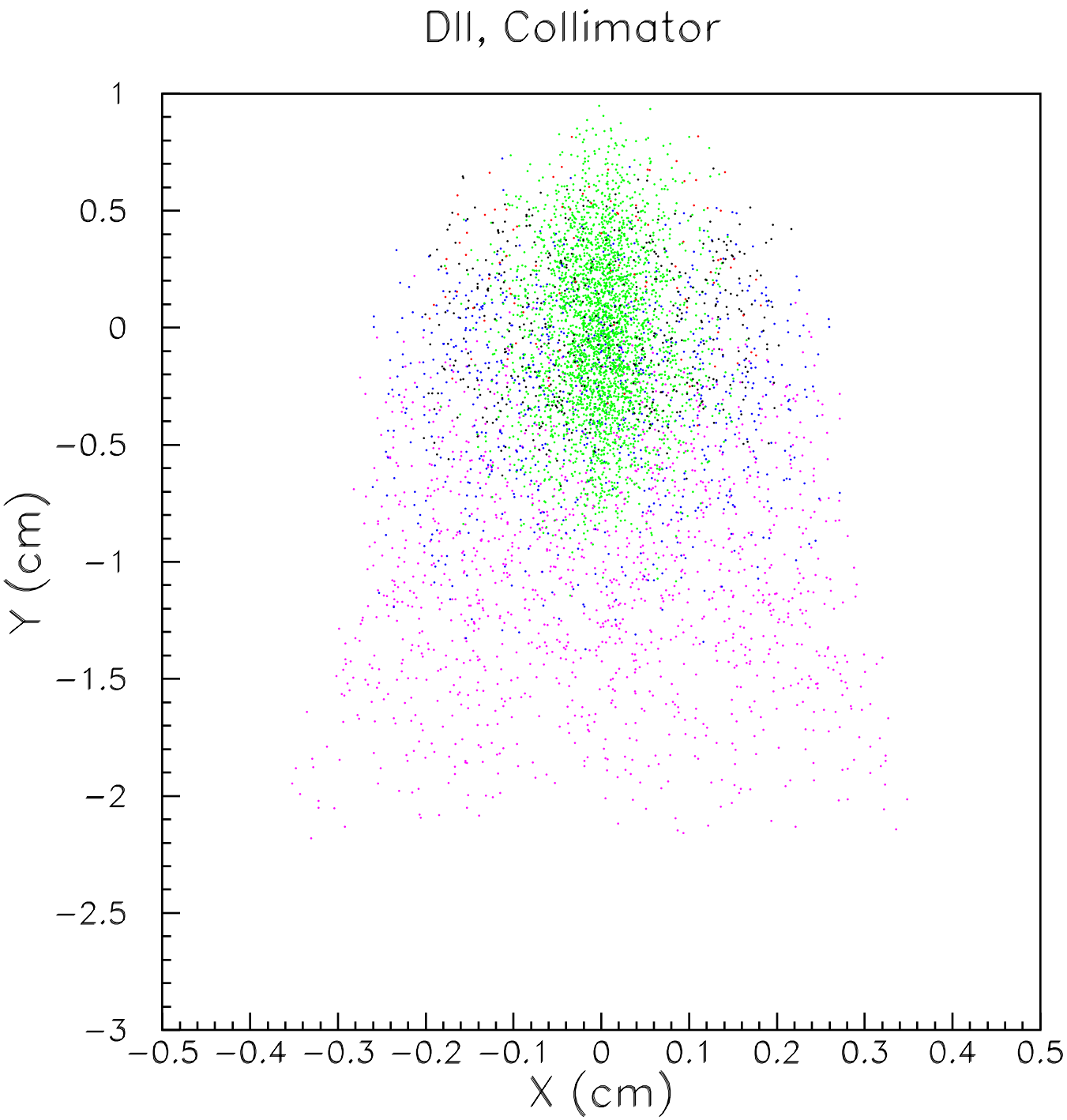

DI, Collimator
2
1.5
1
0.5
0
−0.5
−1
Y (cm)
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
X (cm)

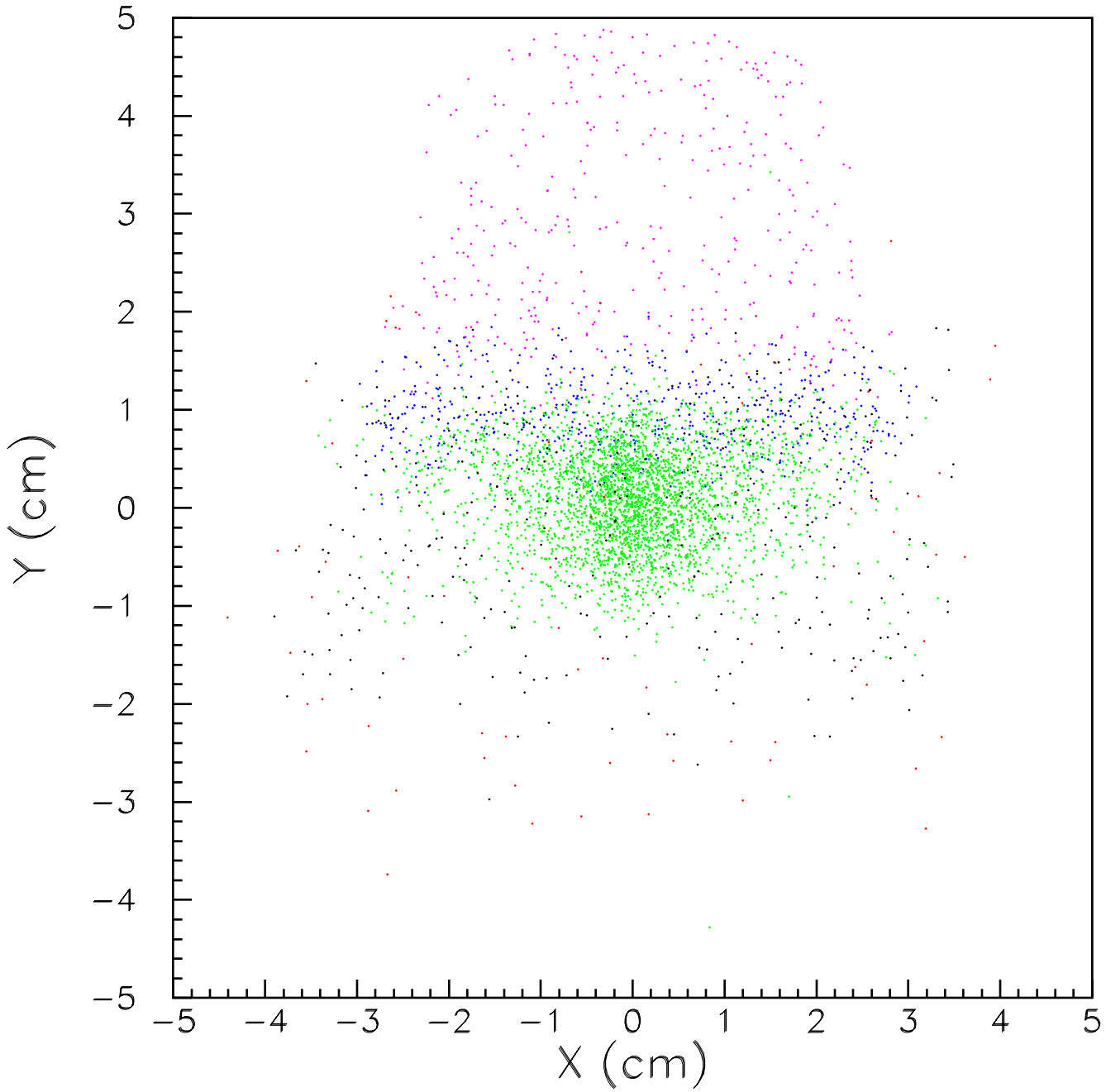

DI, Target, Coll. cut abs(y)<0.25 cm, abs(x)<0.9 cm
Y (cm)
X (cm)
5
4
3
2
1
0
−1
−2
−3
−4
−5
−5
−4
−3
−2
−1
0
1
2
3
4
5

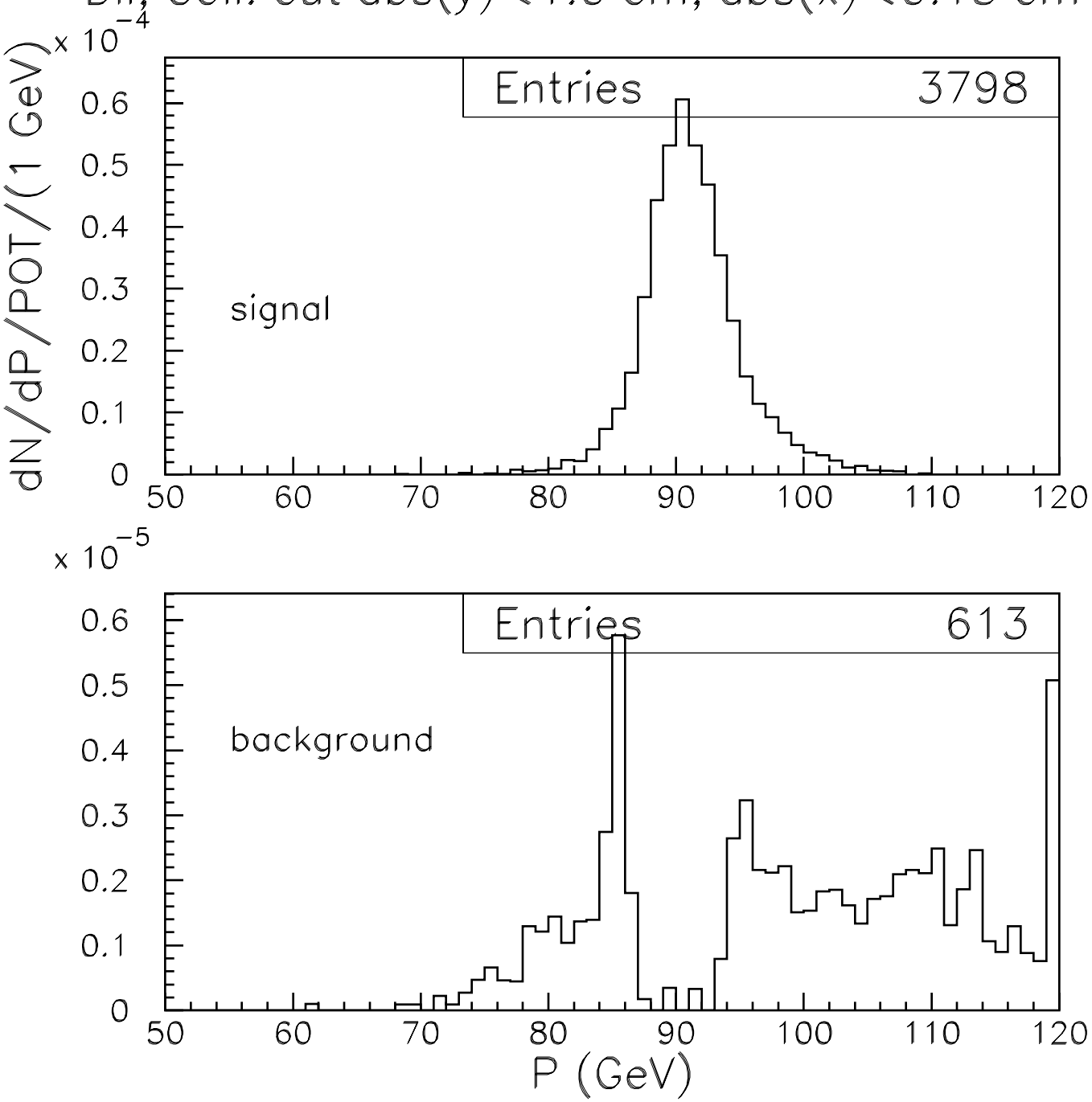

Dt, Coll. cut abs(y)<0.25 cm, abs(x)<0.9 cm
x 10^-3
dN/dP/POT/(1 GeV)
Entries 5532
signal
x 10^-4
Entries 1765
background
P (GeV)

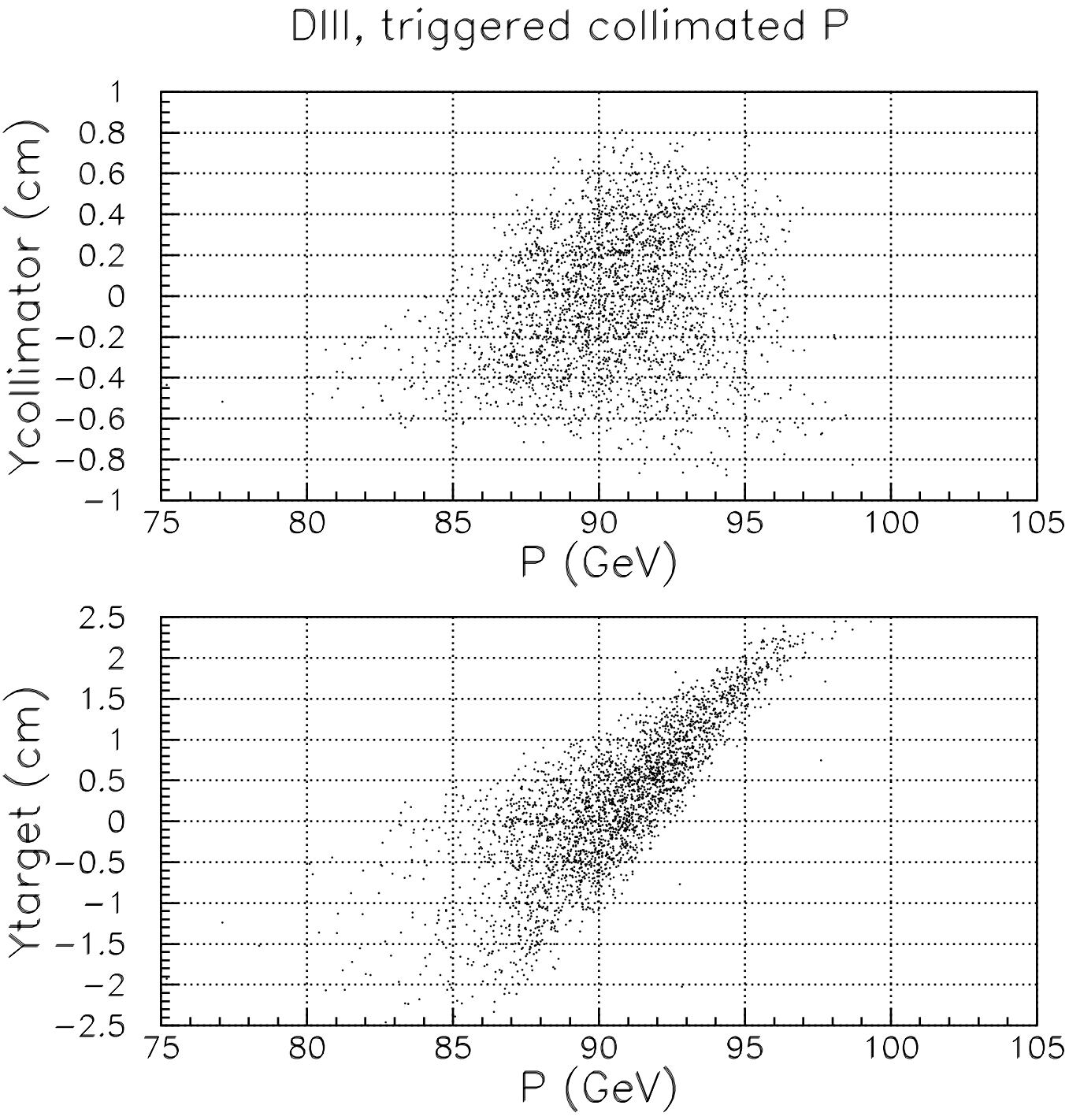

Dll, triggered collimated P
Ycollimator (cm)
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
65
70
75
80
85
90
95
100
105
110
P (GeV)
Ytarget (cm)
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
65
70
75
80
85
90
95
100
105
110
P (GeV)

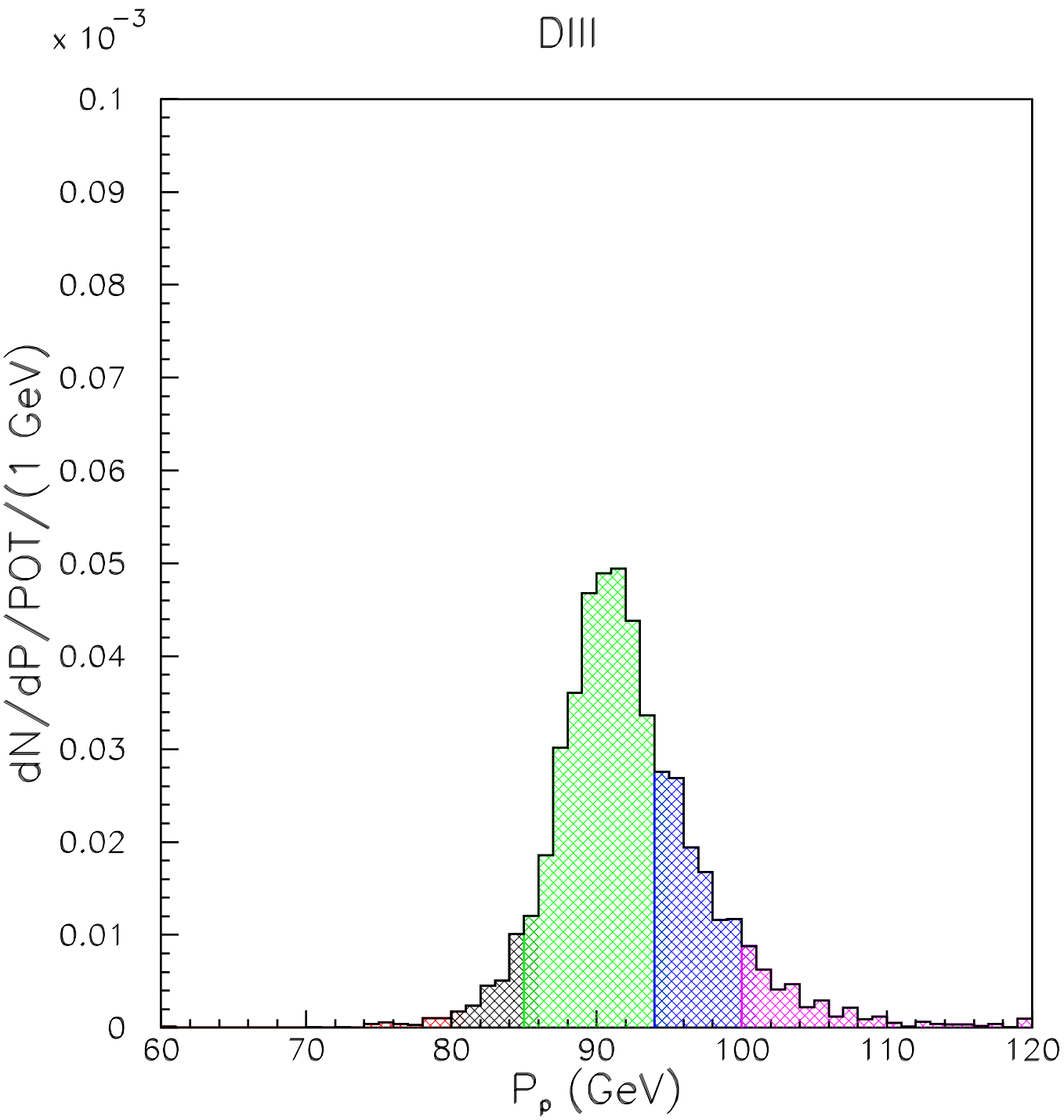

DII
x 10^-3
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
dN/dP/POT/(1 GeV)
60
70
80
90
100
110
120
P_p (GeV)

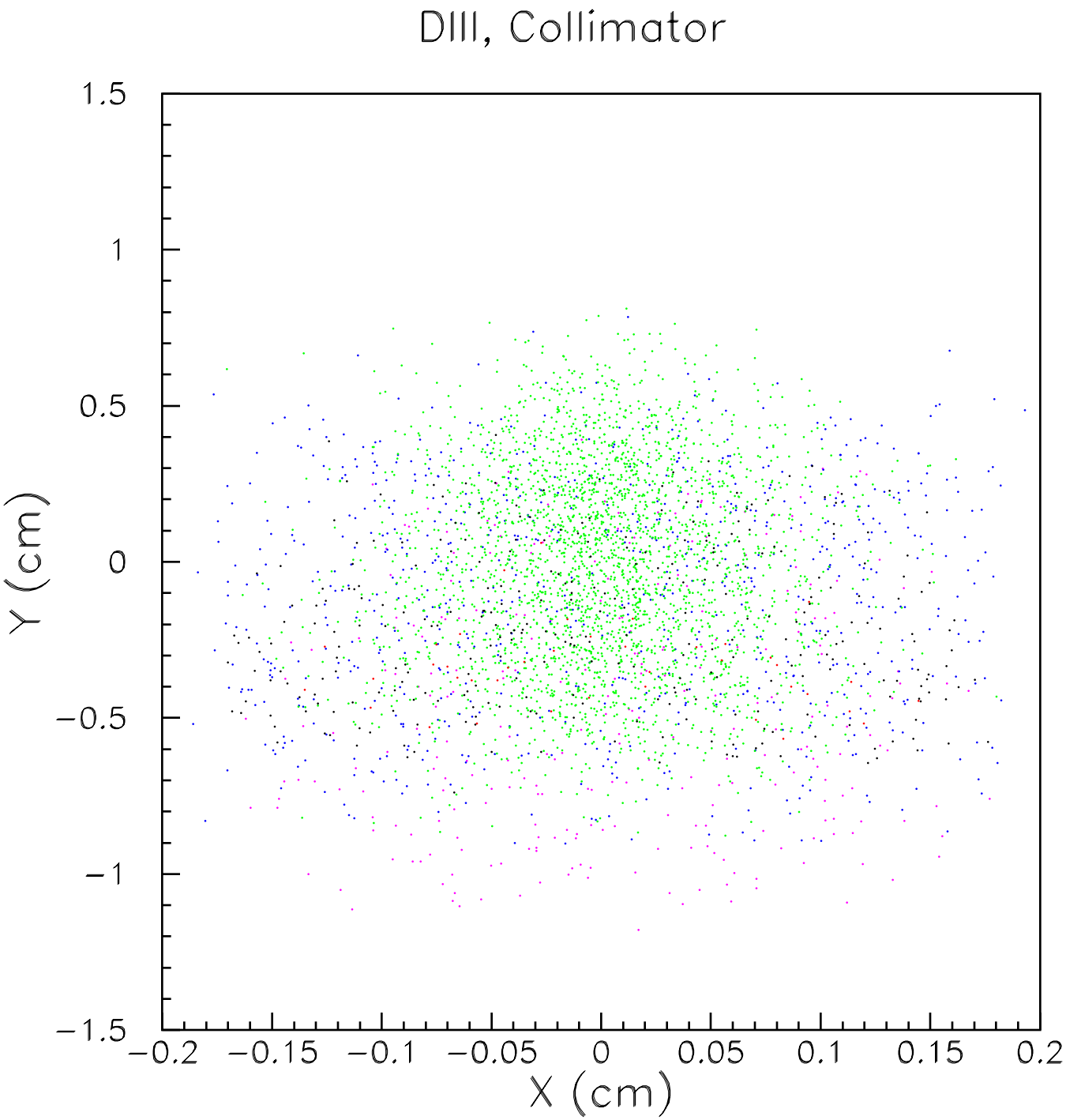

DII, Collimator
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
Y (cm)
−0.5 −0.4 −0.3 −0.2 −0.1 0 0.1 0.2 0.3 0.4 0.5
X (cm)

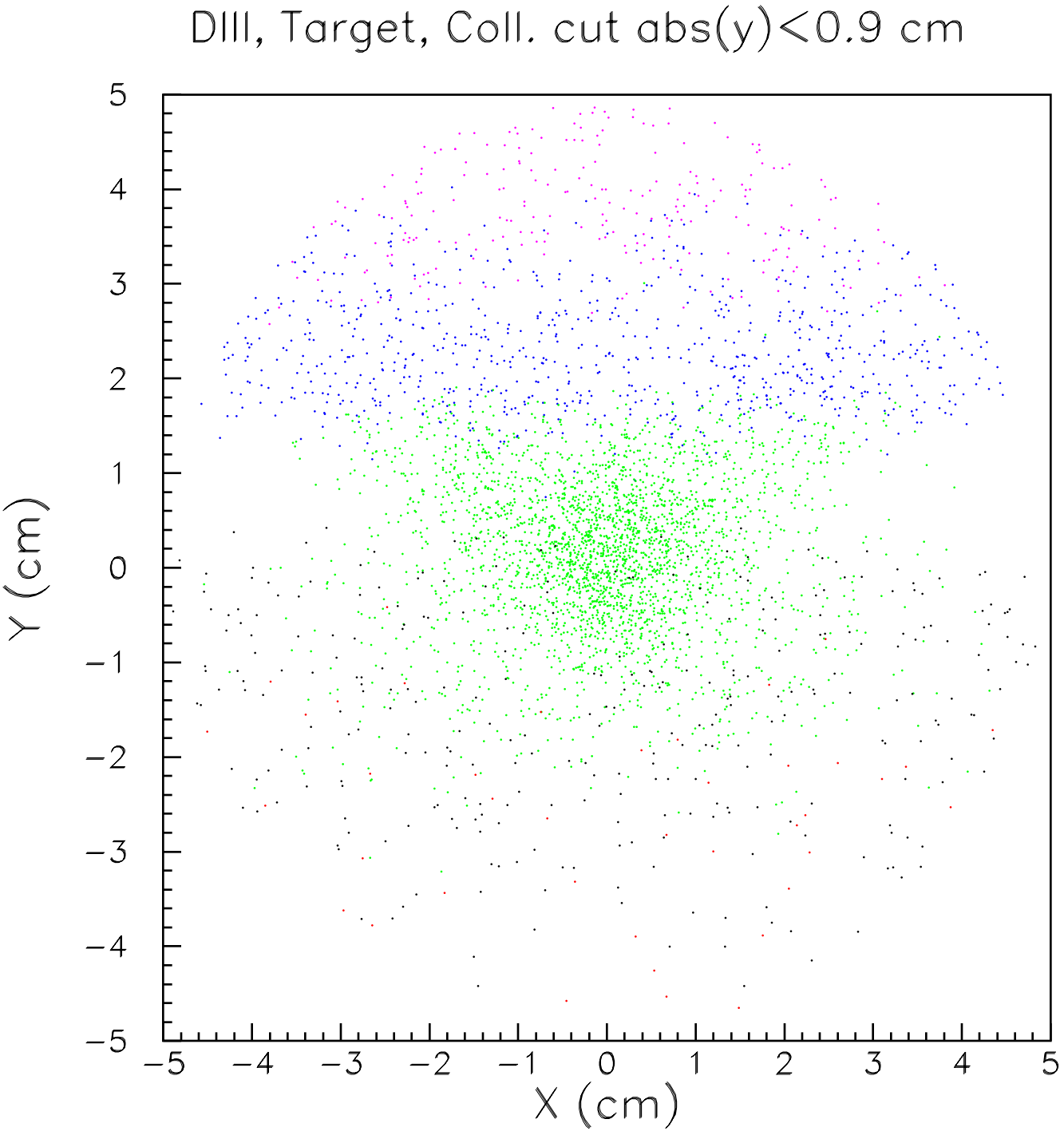

Dll, Target, Coll. cut abs(y)<1.0 cm, abs(x)<0.15 cm
Y (cm)
X (cm)
5
4
3
2
1
0
−1
−2
−3
−4
−5
−5
−4
−3
−2
−1
0
1
2
3
4
5

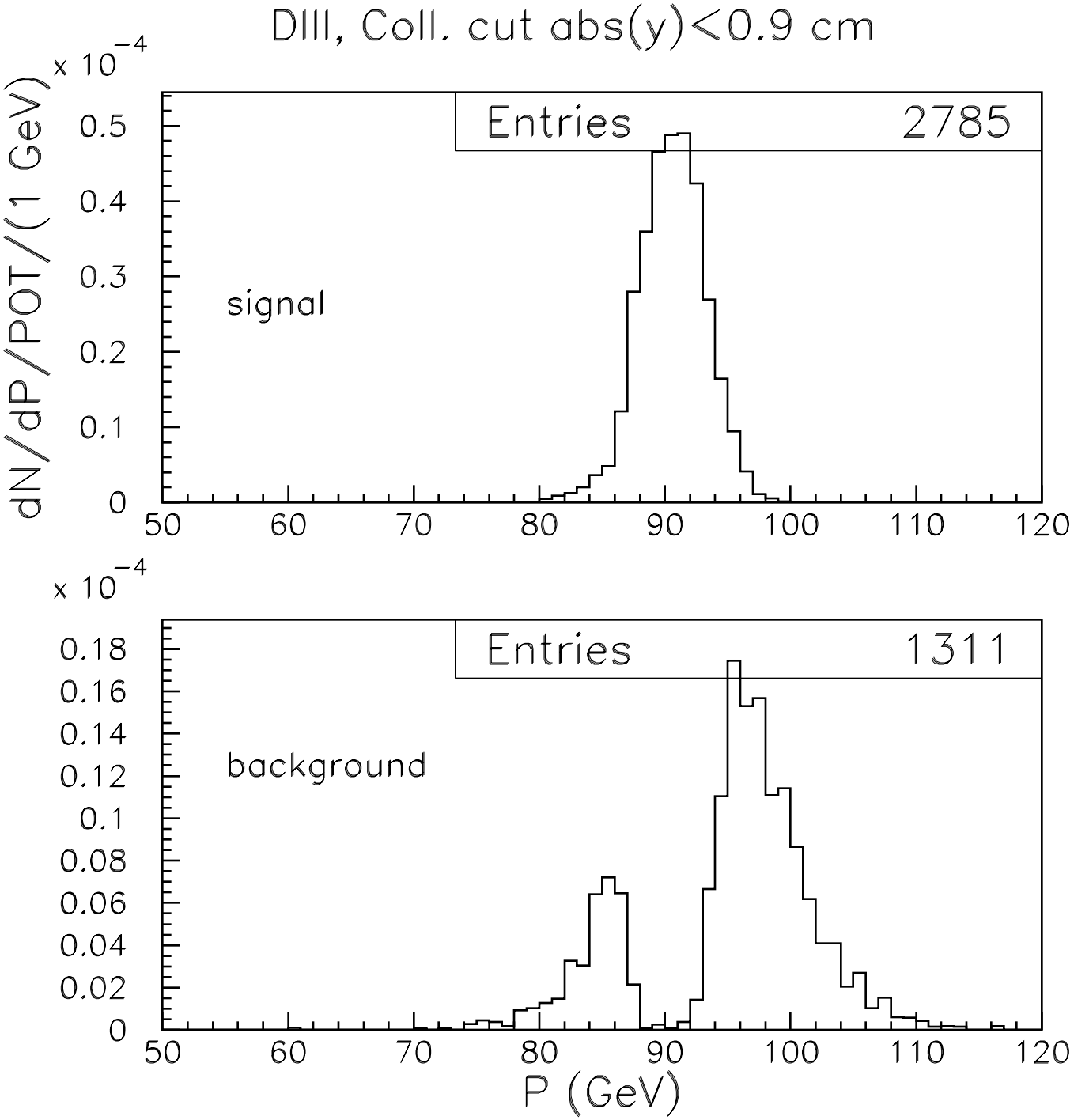

DII, Coll. cut abs(y)<1.0 cm, abs(x)<0.15 cm
x 10^-4
dN/dP/POT/(1 GeV)
Entries 3798
signal
0
0.1
0.2
0.3
0.4
0.5
0.6
50
60
70
80
90
100
110
120
x 10^-5
Entries 613
background
0
0.1
0.2
0.3
0.4
0.5
0.6
50
60
70
80
90
100
110
120
P (GeV)

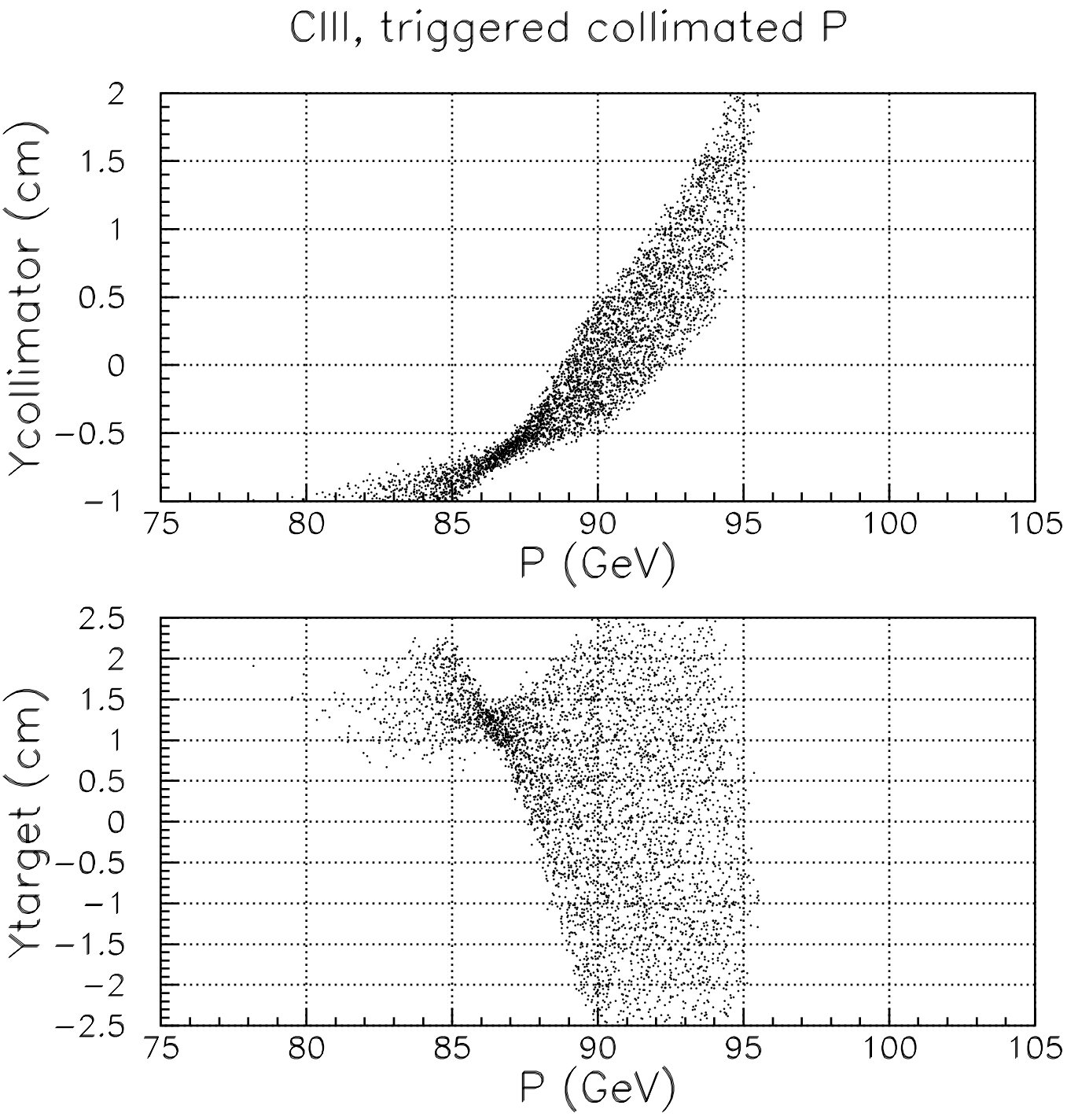

DIII, triggered collimated P
Ycollimator (cm)
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
75
80
85
90
95
100
105
P (GeV)
Ytarget (cm)
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
75
80
85
90
95
100
105
P (GeV)

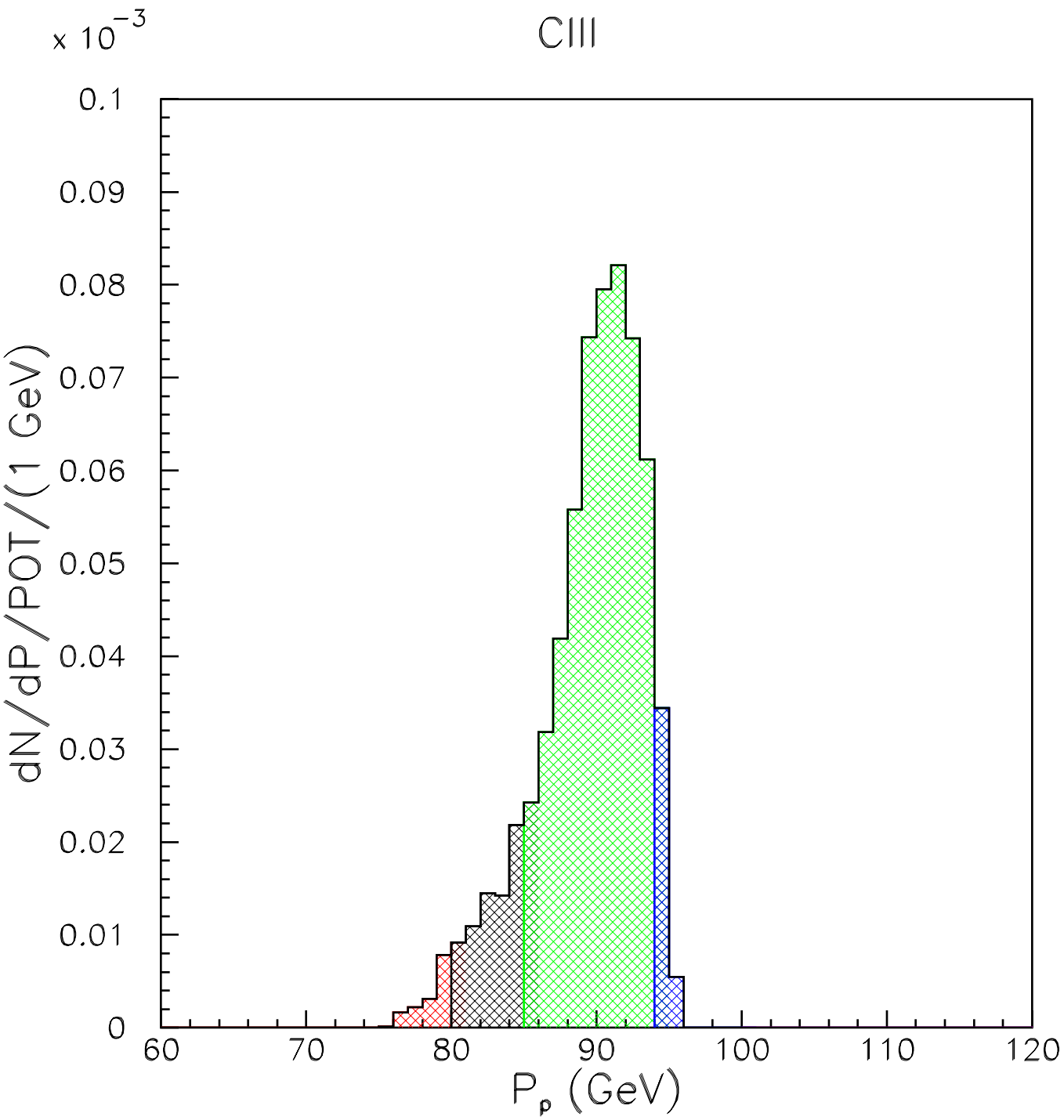

DIII
x 10^-3
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
dN/dP/POT/(1 GeV)
60
70
80
90
100
110
120
P_p (GeV)

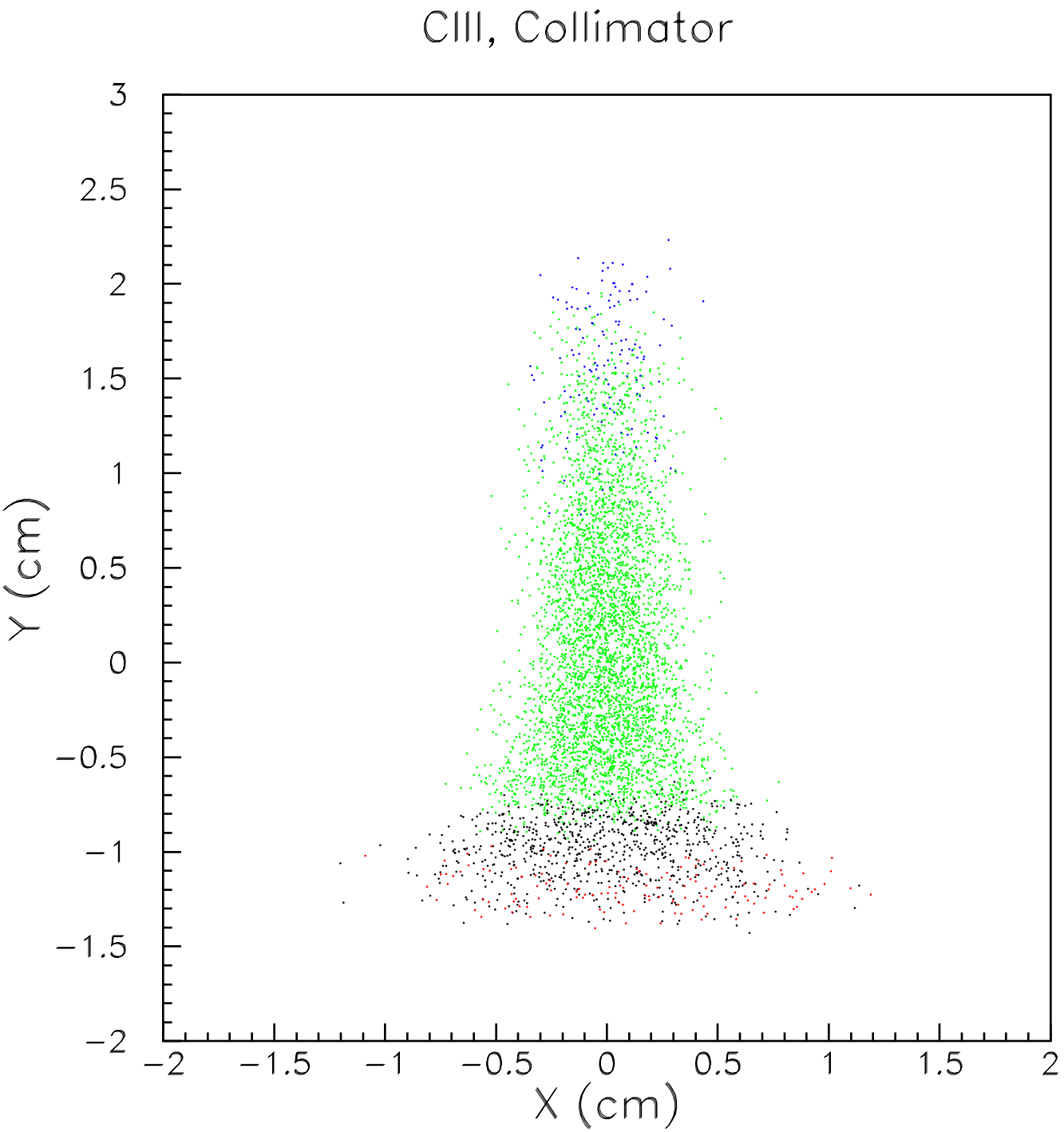

DIII, Collimator
1.5
1
0.5
0
−0.5
−1
−1.5
Y (cm)
−0.2
−0.15
−0.1
−0.05
0
0.05
0.1
0.15
0.2
X (cm)


DIII, Target, Coll. cut abs(y)<0.9 cm
Y (cm)
X (cm)
5
4
3
2
1
0
−1
−2
−3
−4
−5
−5
−4
−3
−2
−1
0
1
2
3
4
5

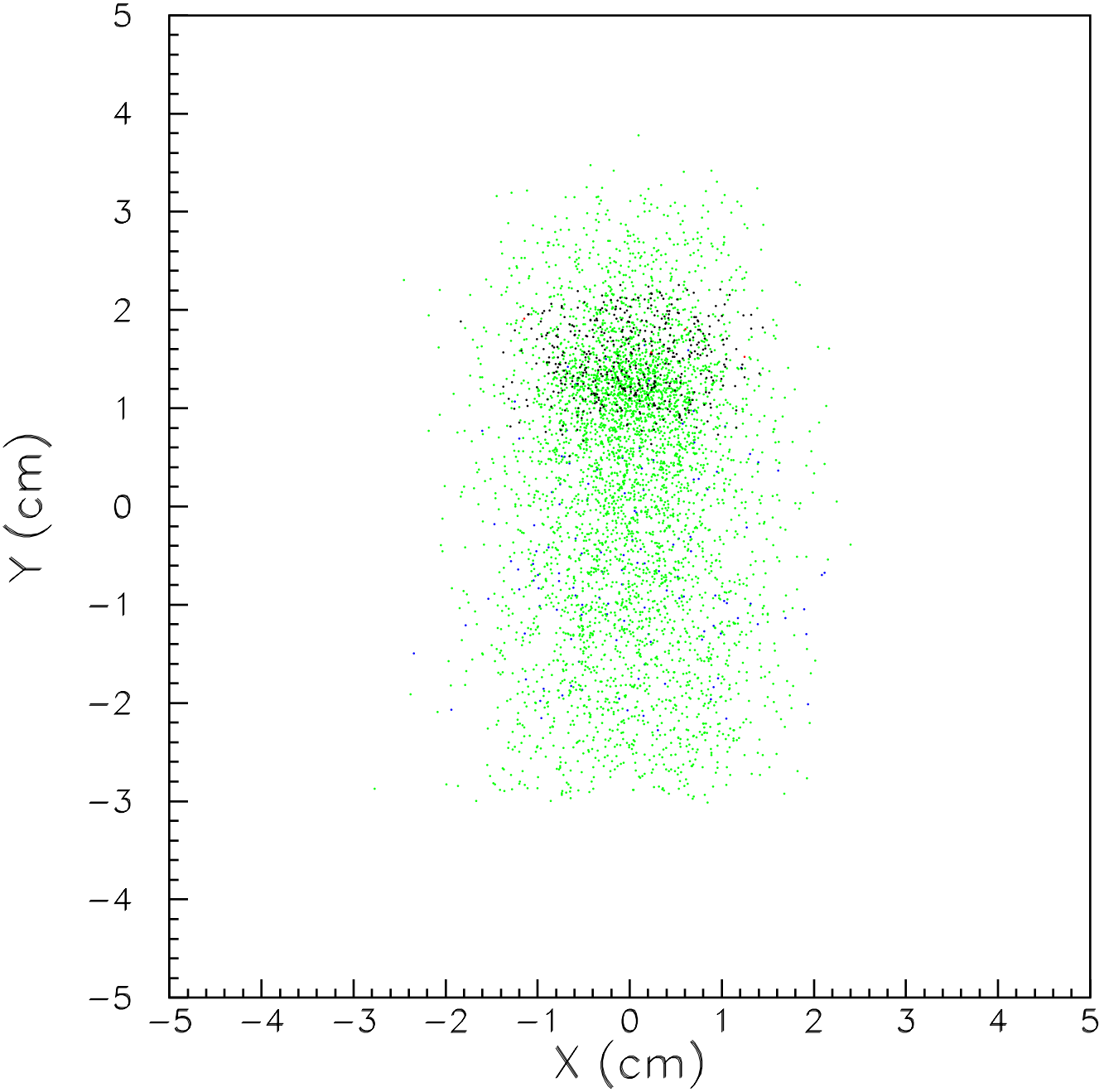

DIII, Coll. cut abs(y)<0.9 cm
x 10^-4
dN/dP/POT/(1 GeV)
Entries 2785
signal
0.5
0.4
0.3
0.2
0.1
0
50
60
70
80
90
100
110
120
x 10^-4
Entries 1311
background
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
P (GeV)

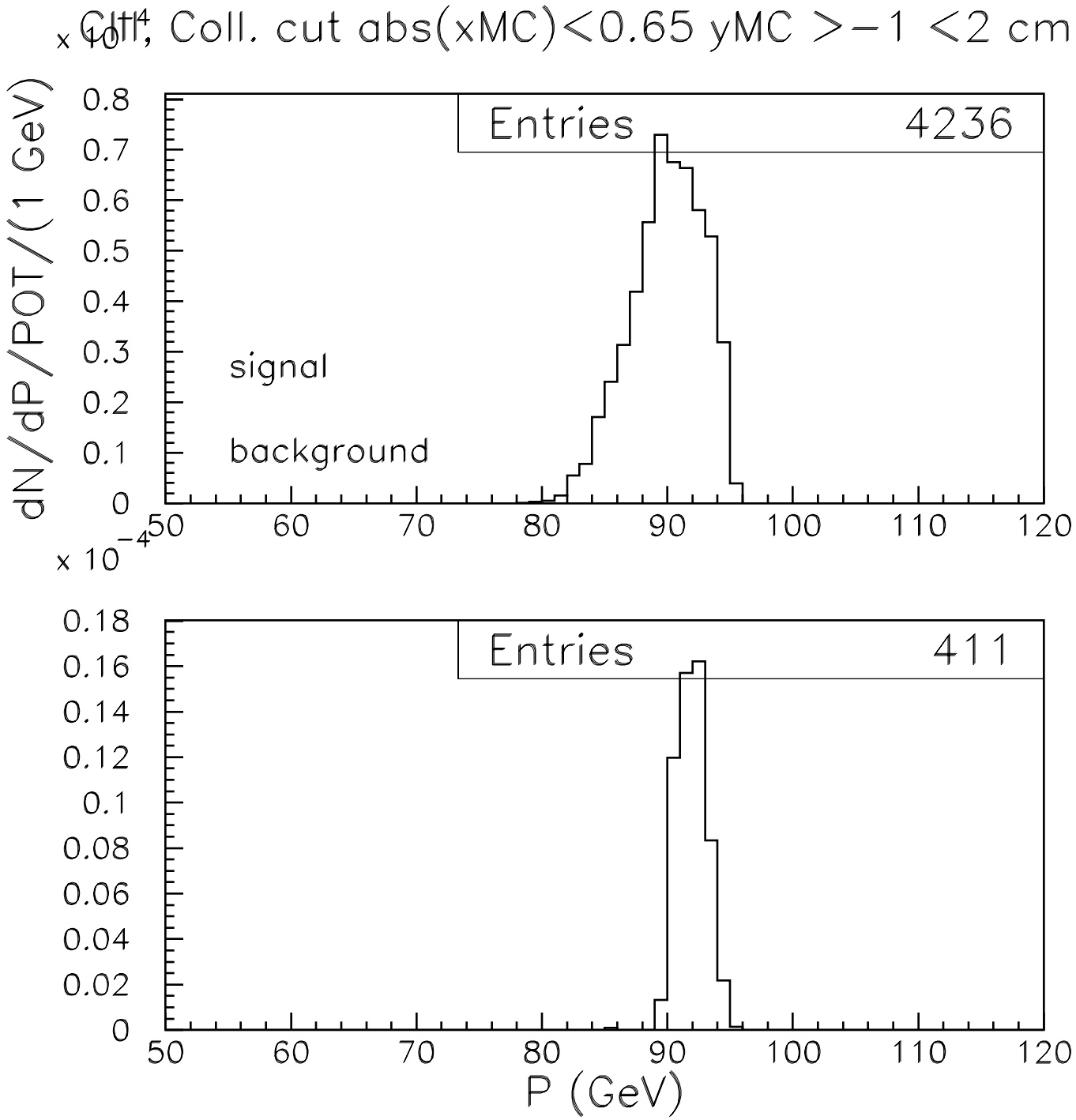

CIII, triggered collimated P
Ycollimator (cm)
2
1.5
1
0.5
0
−0.5
−1
75
80
85
90
95
100
105
P (GeV)
Ytarget (cm)
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
75
80
85
90
95
100
105
P (GeV)

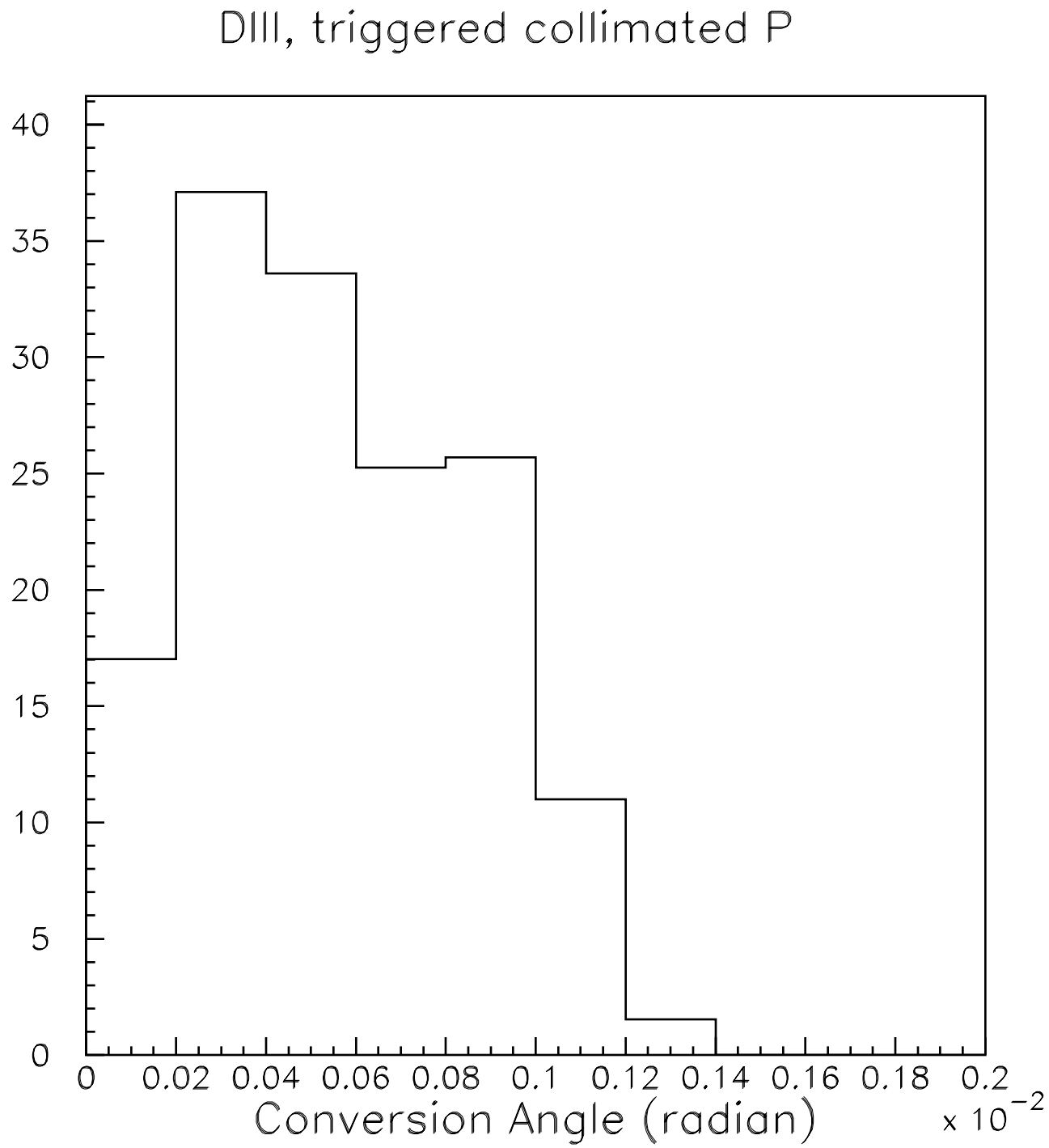

CIII
x 10^-3
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
dN/dP/POT/(1 GeV)
60
70
80
90
100
110
120
P_p (GeV)

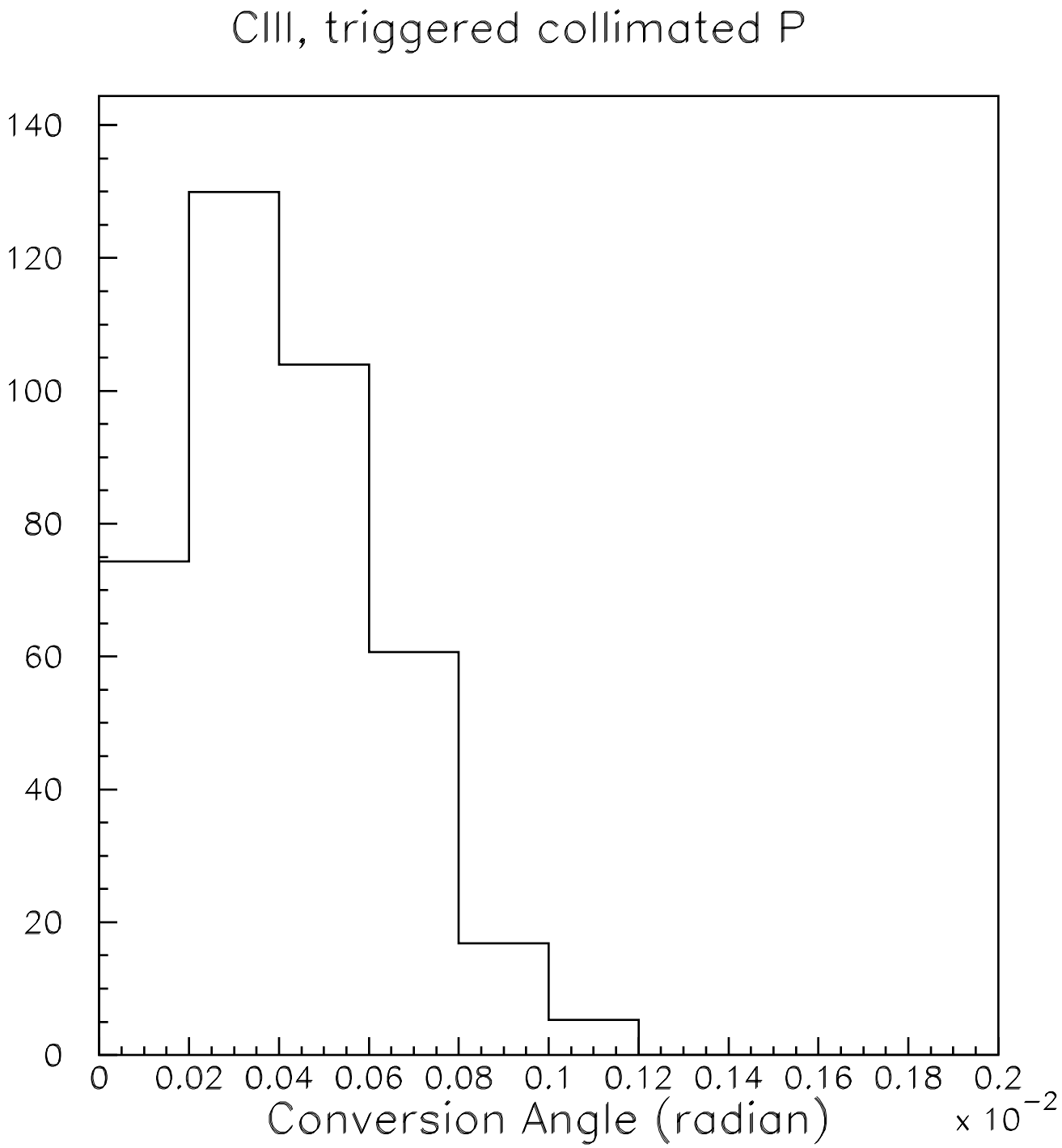

CIII, Collimator
Y (cm)
X (cm)
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

CIII, Target, Coll. cut abs(xMC)<0.65 yMC >−1 <2 cm




CDH, Coll. cut abs(xMC)<0.65 yMC >−1 <2 cm
x 10^-4
dN/dP/POT/(1 GeV)
Entries 4236
signal
background
x 10^-4
Entries 411
P (GeV)


DIII, triggered collimated P
40
35
30
25
20
15
10
5
0
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
Conversion Angle (radian)
x 10^-2


CIII, triggered collimated P
140
120
100
80
60
40
20
0
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
Conversion Angle (radian)
x 10^-2