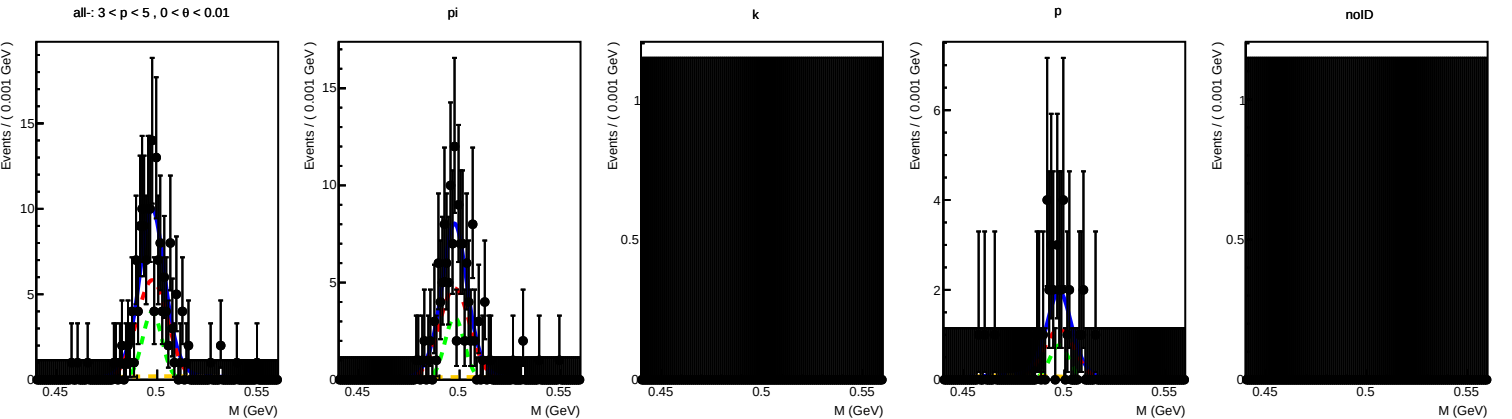
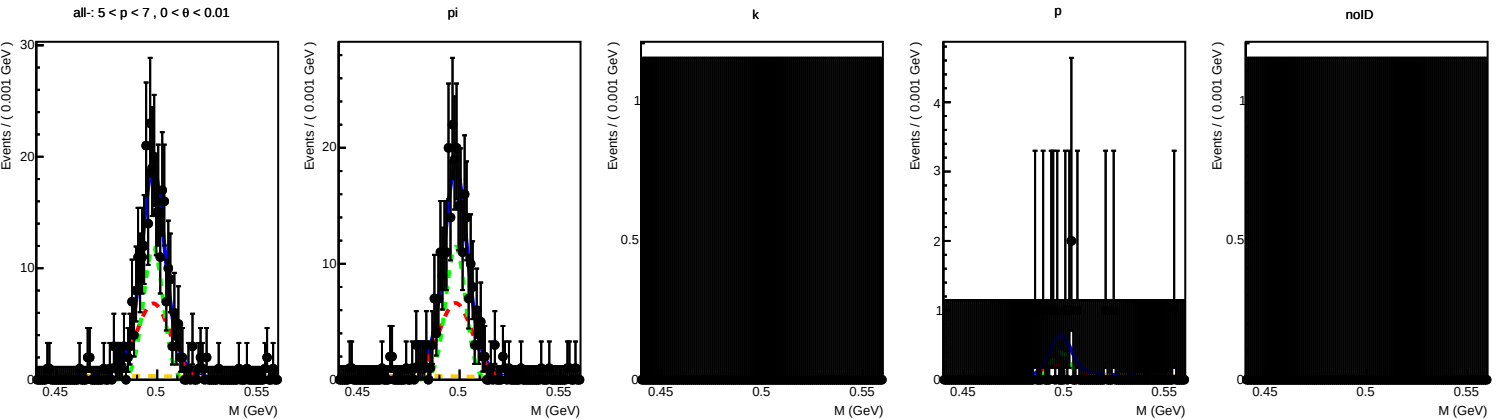
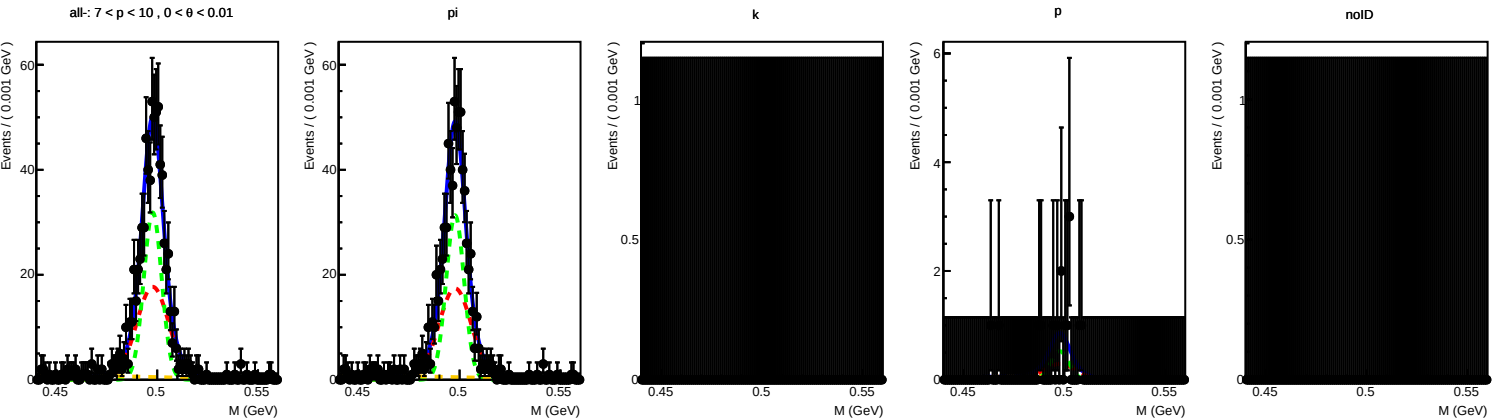
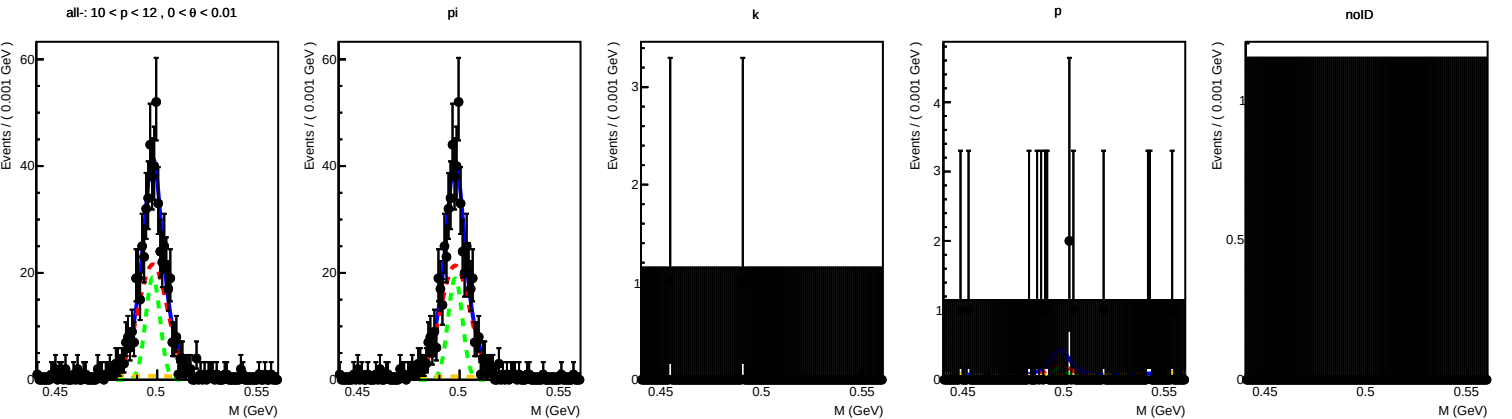
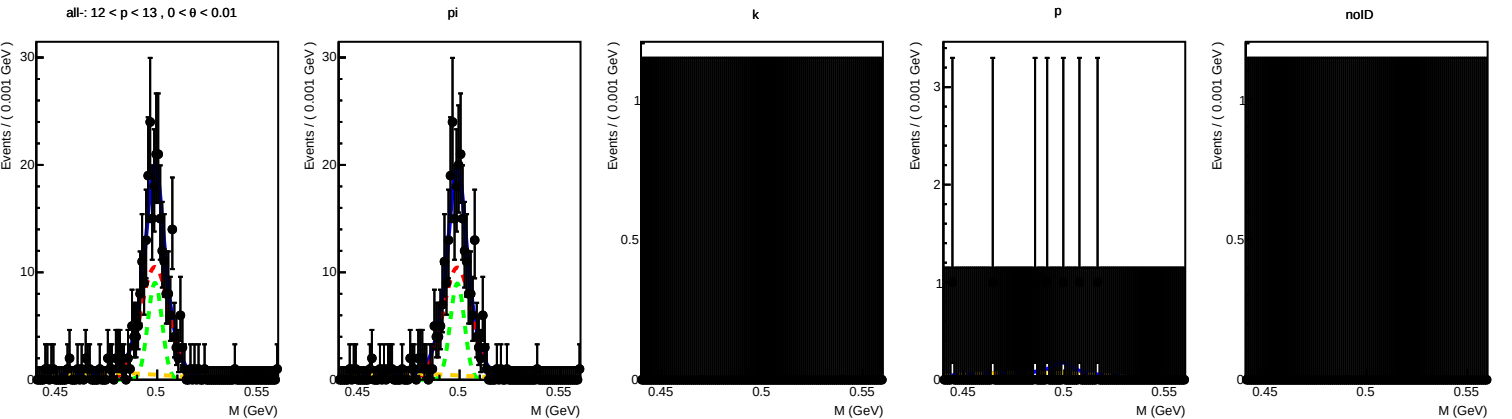
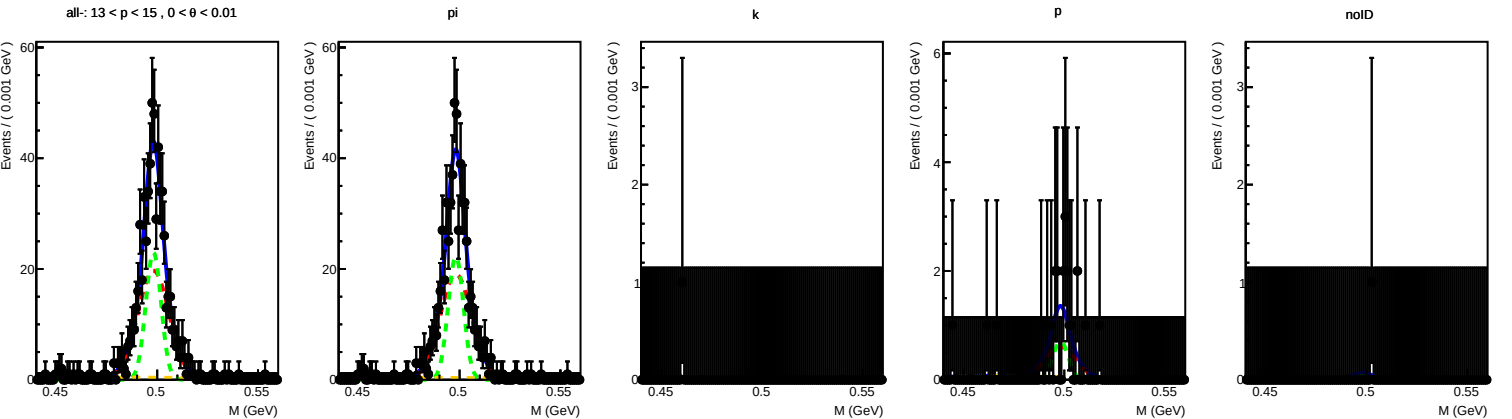

all-: 3 < p < 5 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

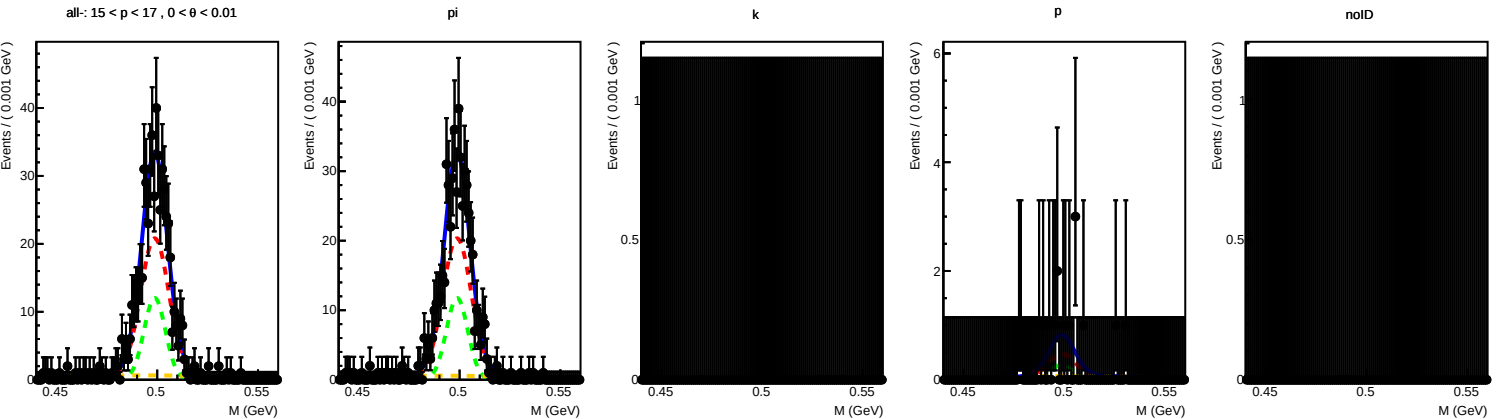

all-: 5 < p < 7 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

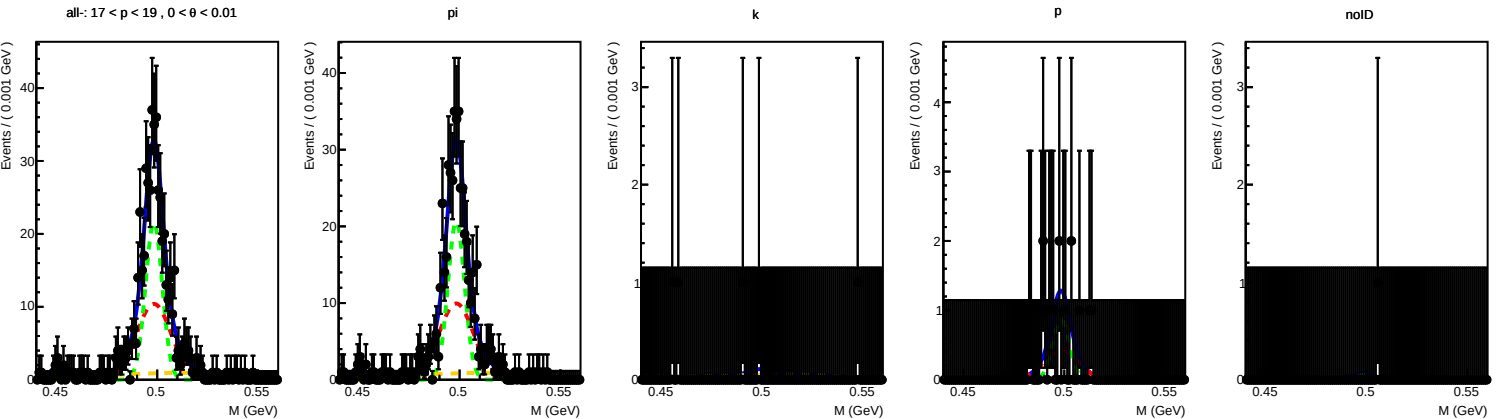

all-: 7 < p < 10 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
20
40
60
0.5
1
2
4
6

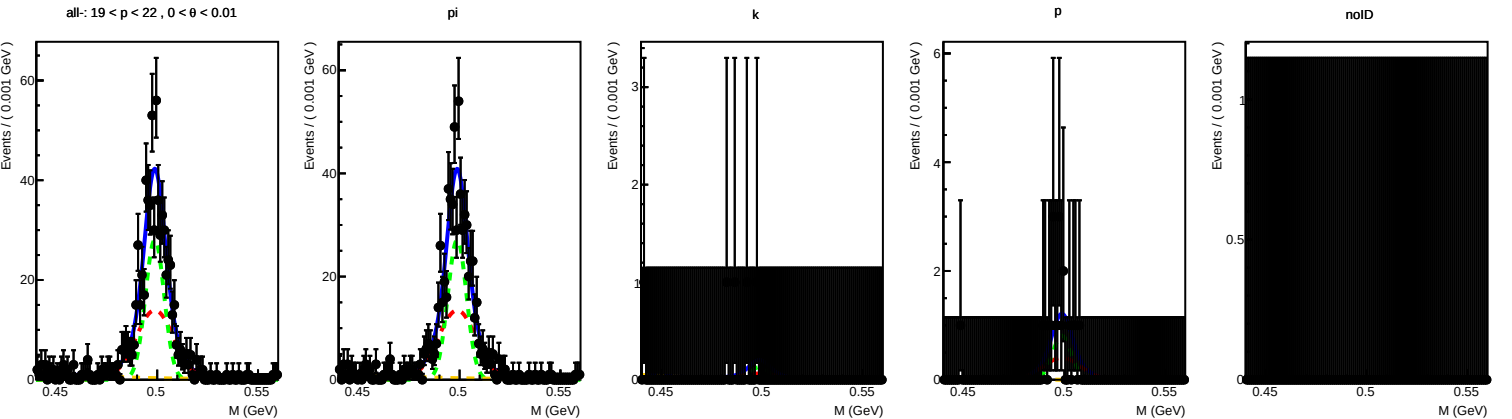

all-: 10 < p < 12 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

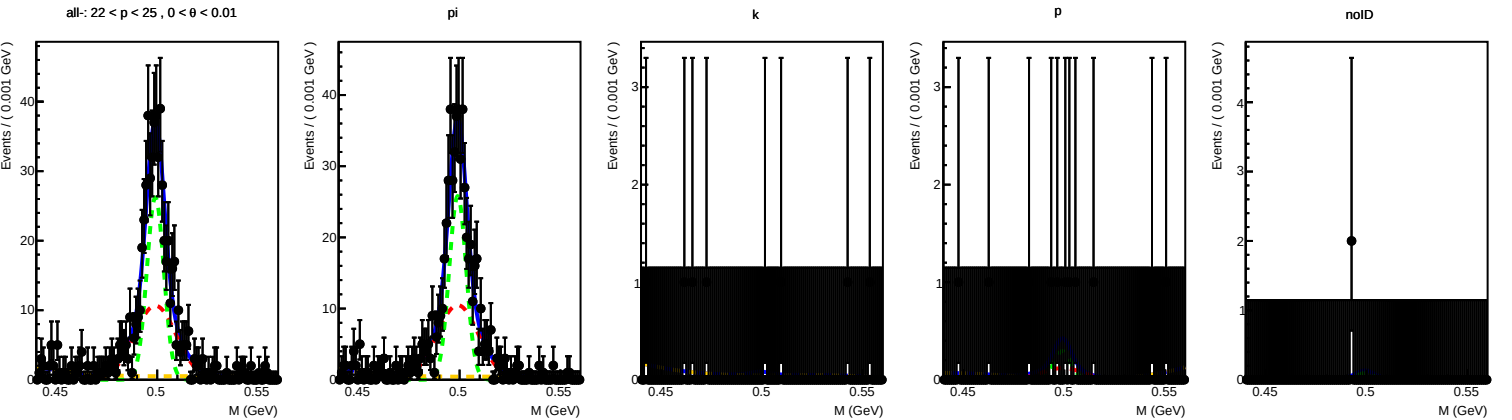

all-: 12 < p < 13 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

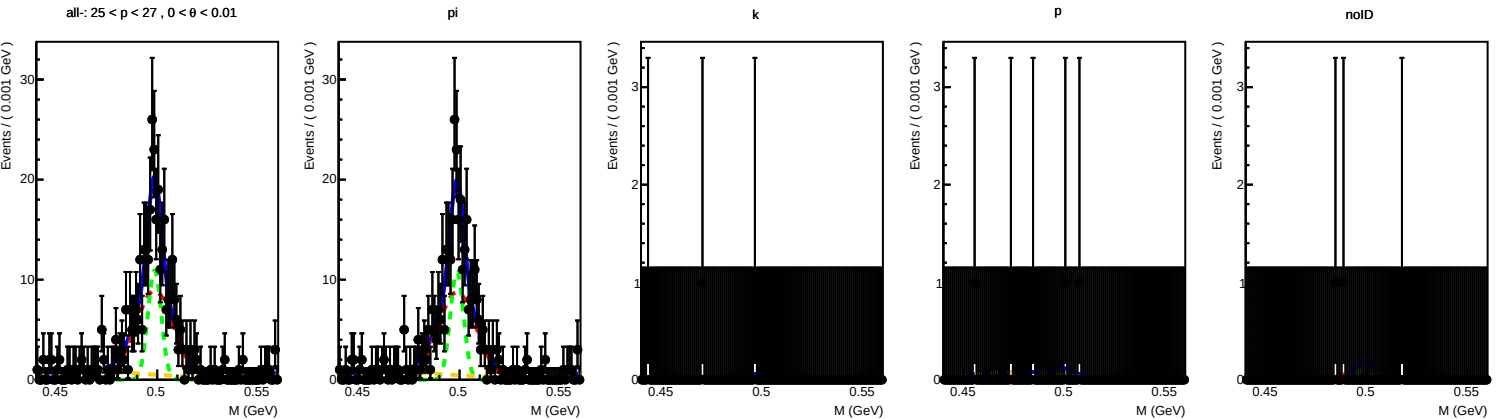

all-: 13 < p < 15 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
20
40
60
1
2
3
4
6

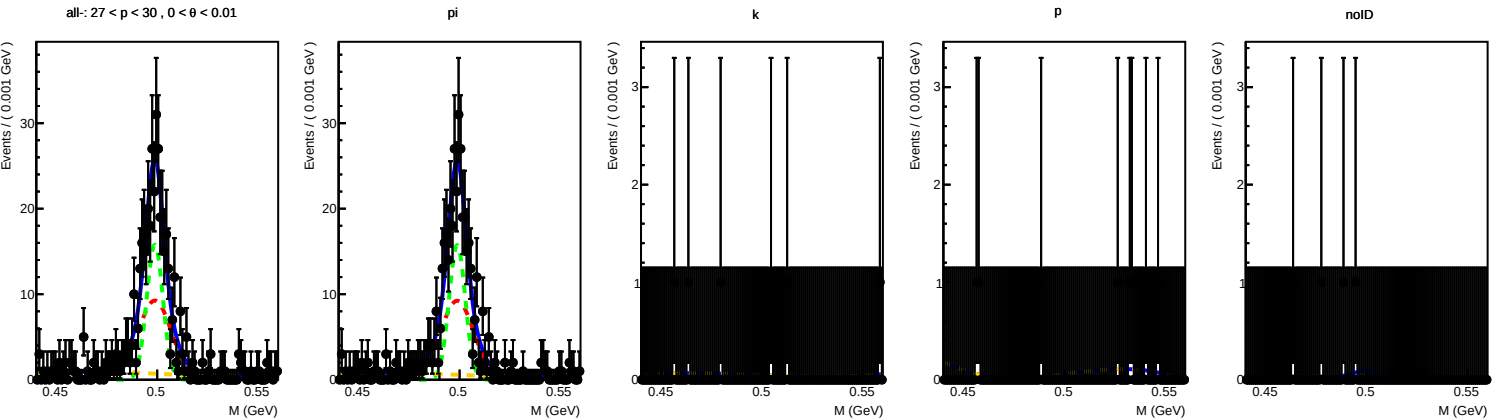

all-: 15 < p < 17 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

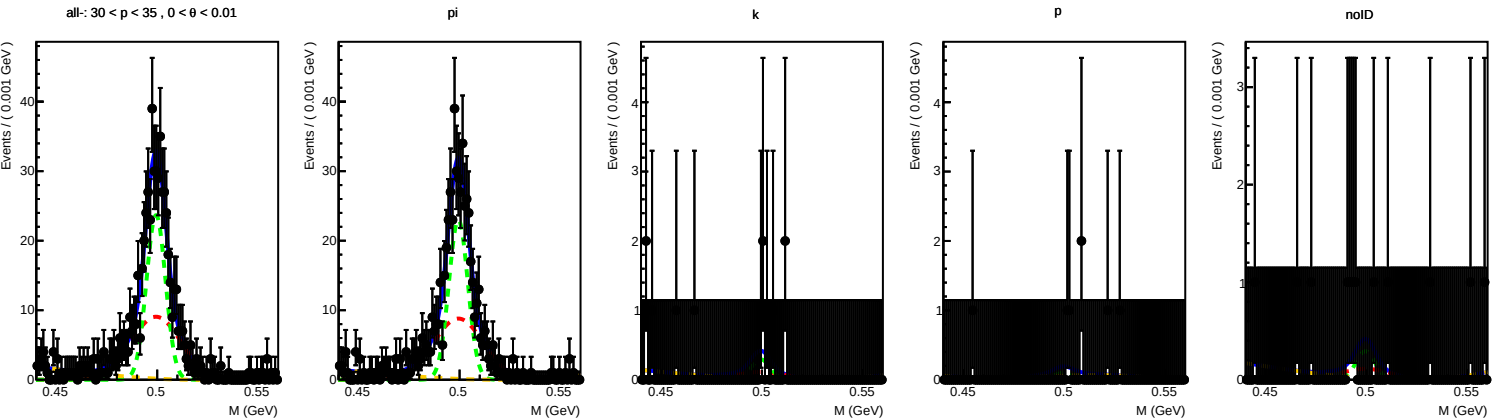

all-: 17 < p < 19 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

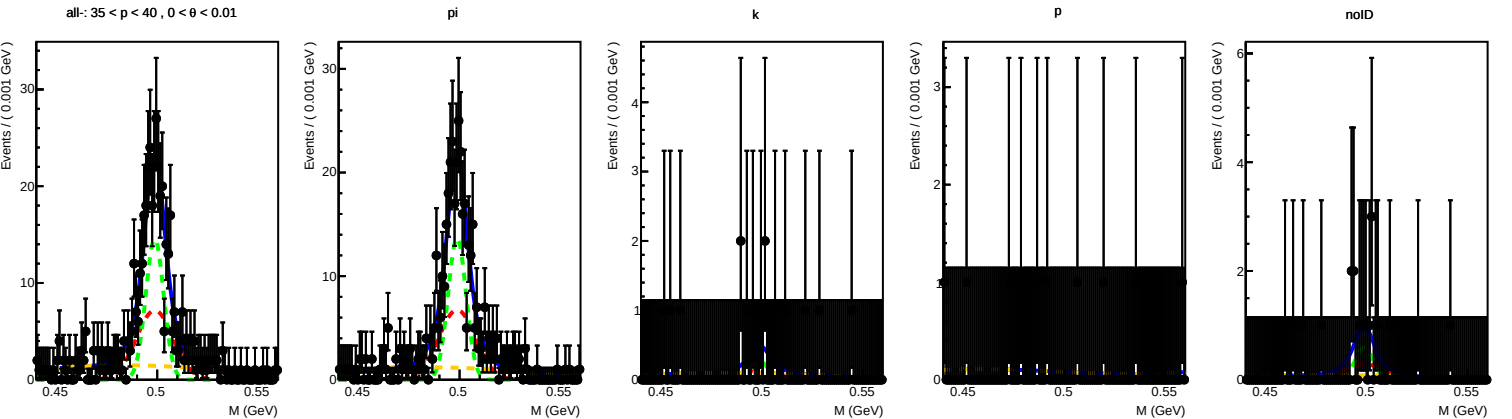

all-: 19 < p < 22 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

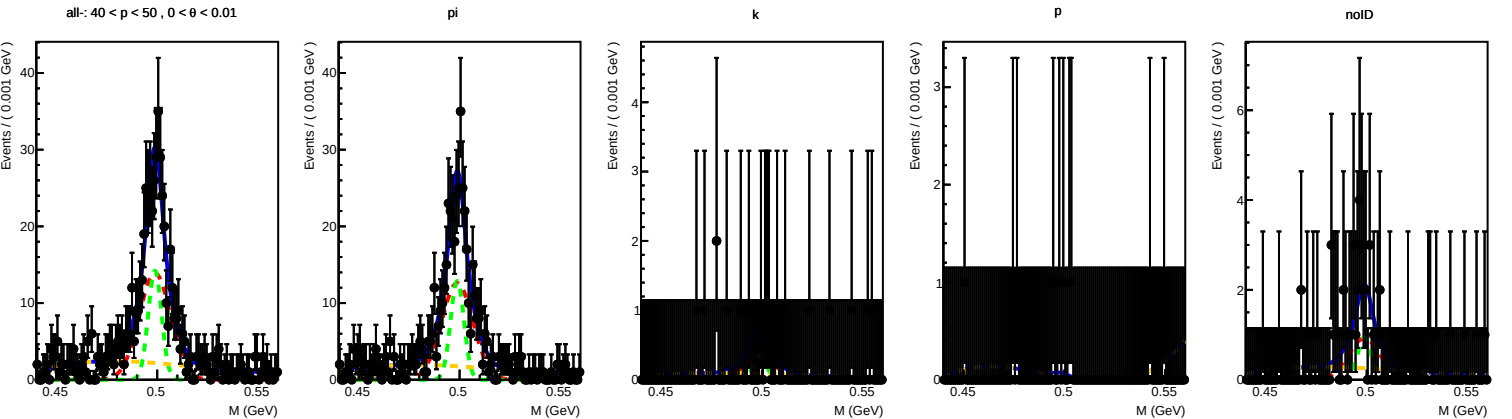

all-: 22 < p < 25 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

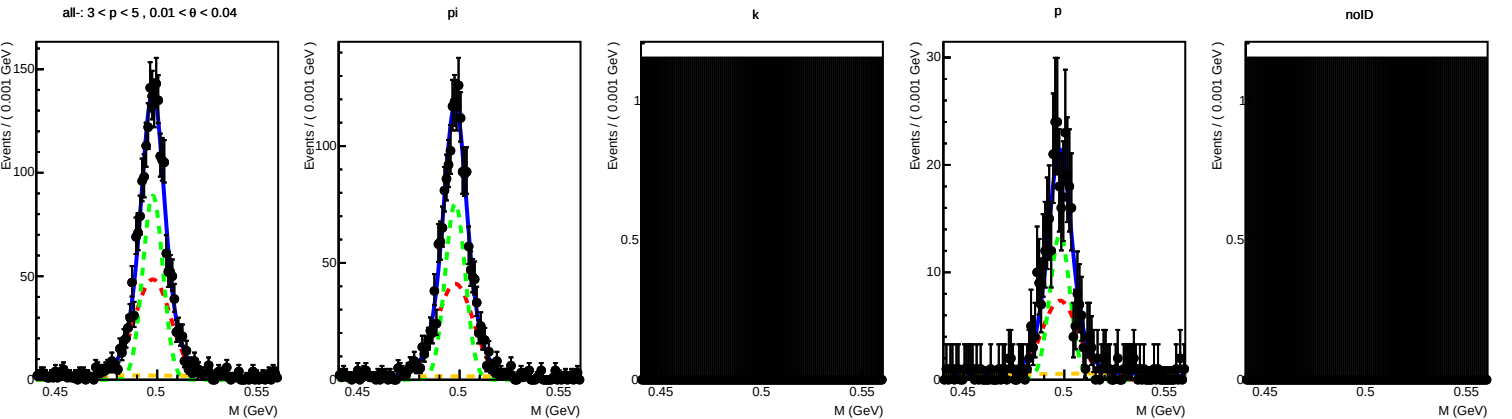

all-: 25 < p < 27 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
10
20
30
1
2
3

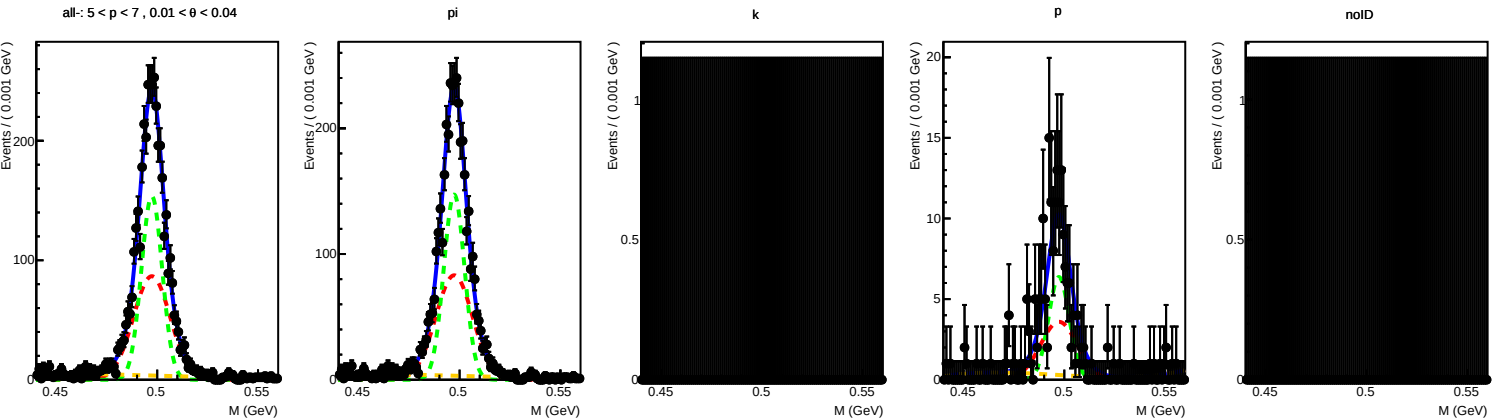

all-: 27 < p < 30 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
10
20
30
1
2
3

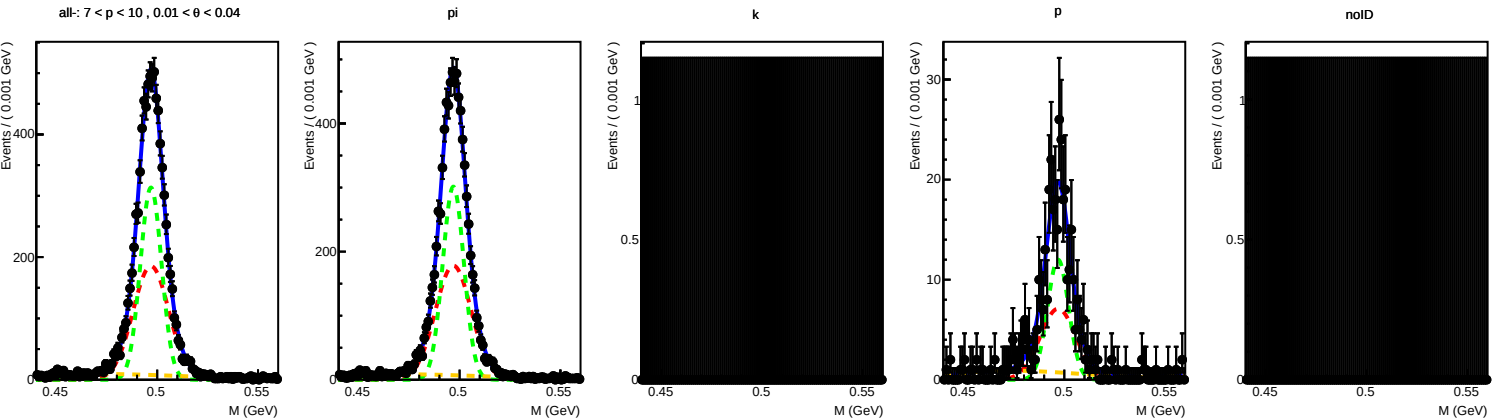

all-: 30 < p < 35 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

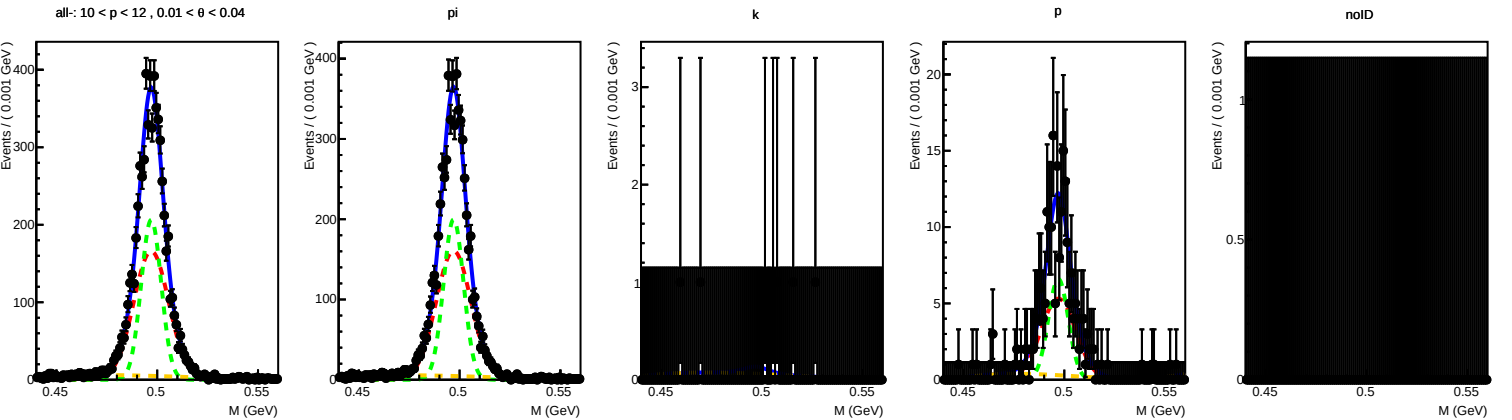

all-: 35 < p < 40 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

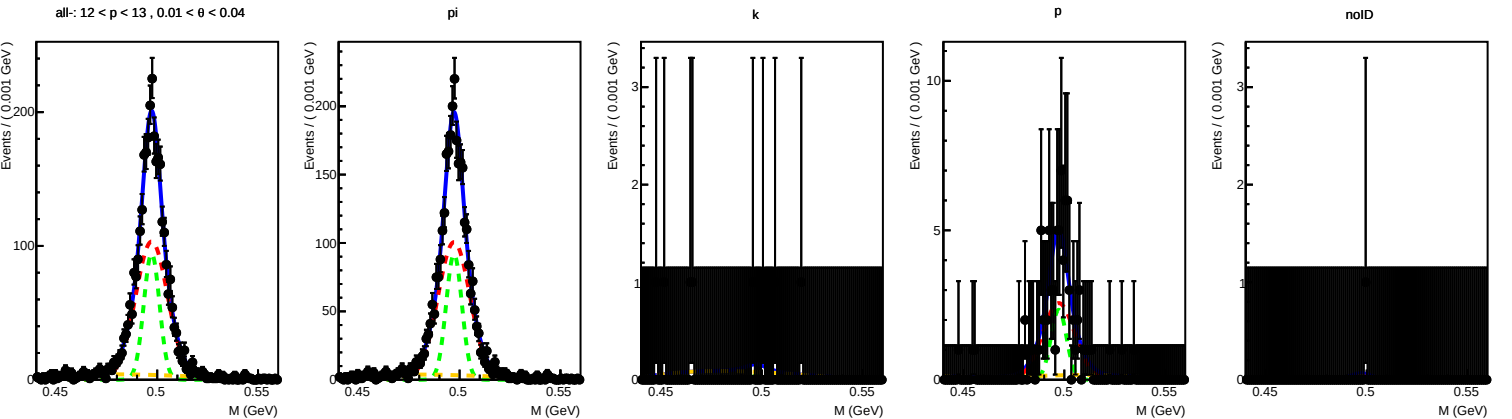

all-: 40 < p < 50 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

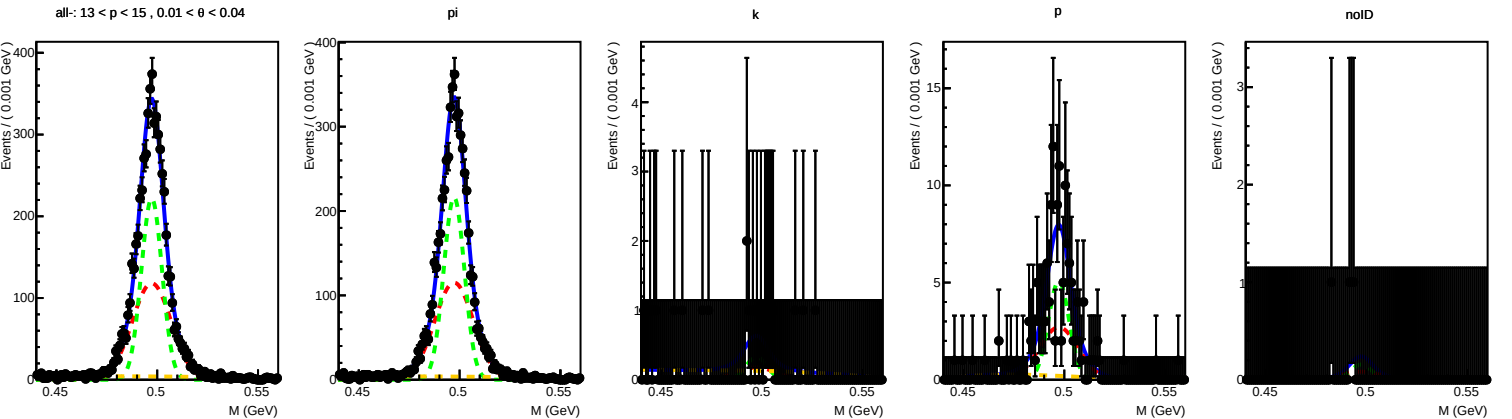

all-: 3 < p < 5 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
50
100
150
0.5
1
10
20
30

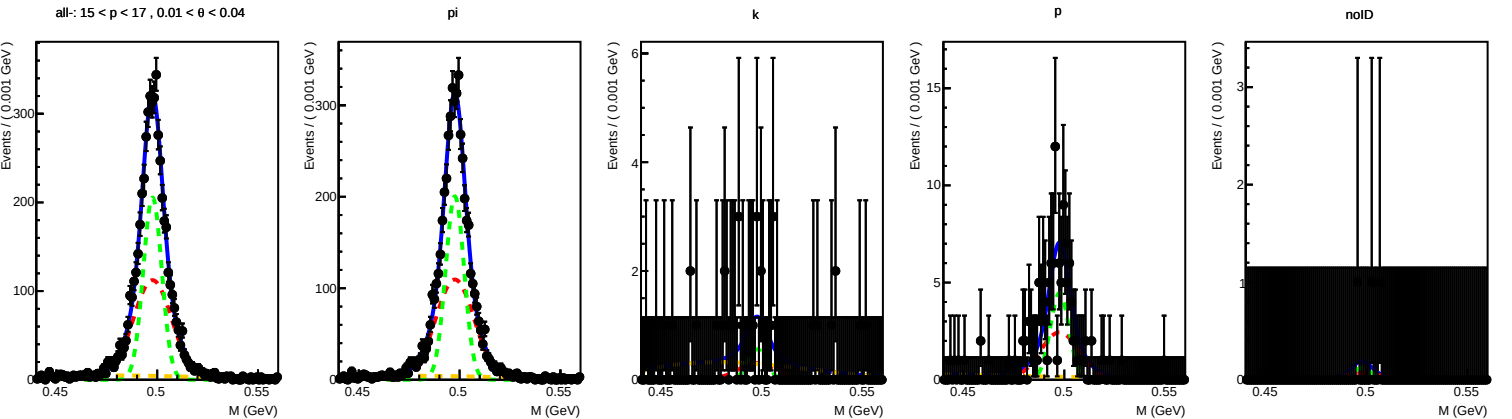

all-: 5 < p < 7 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
100
200
0.5
1
5
10
15
20

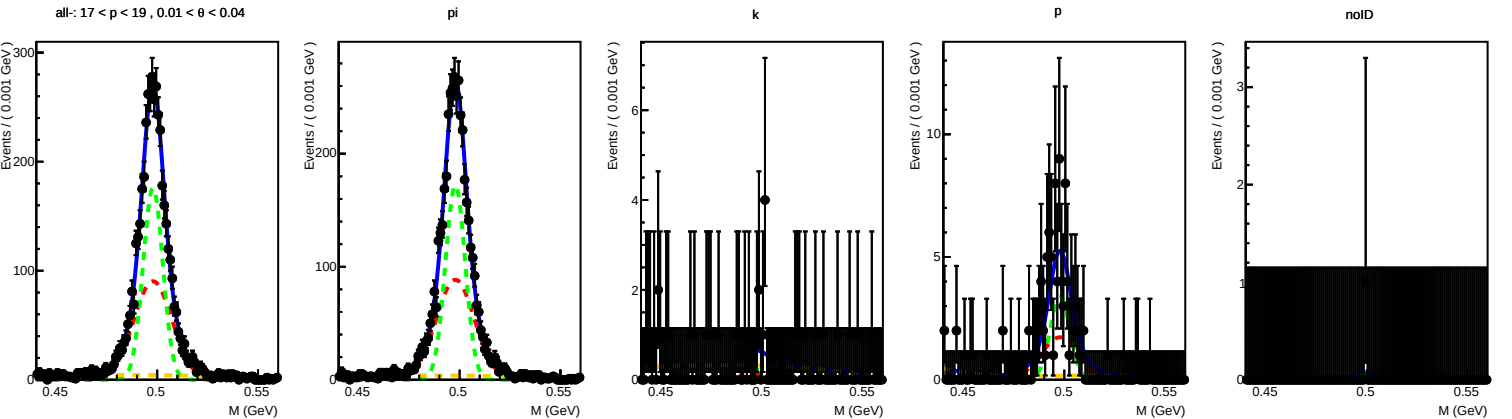

all-: 7 < p < 10 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
200
400
0.5
1
10
20
30

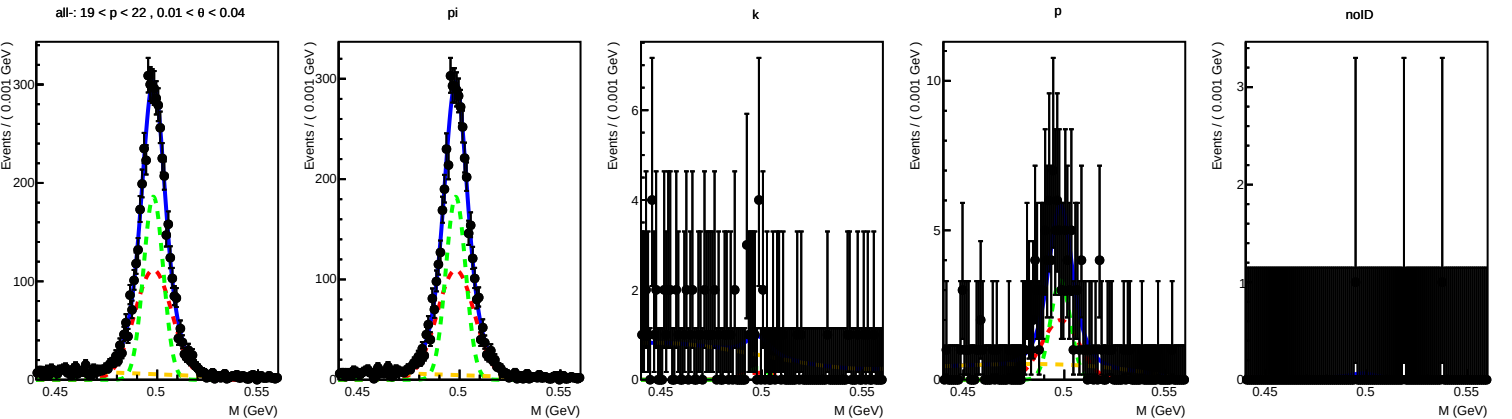

all-: 10 < p < 12 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

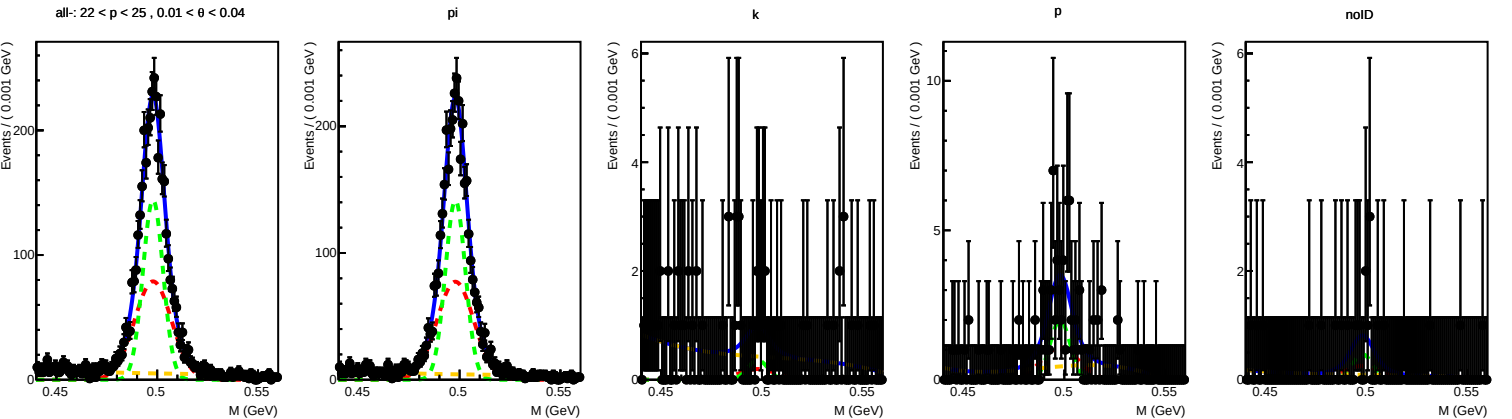

all-: 12 < p < 13 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

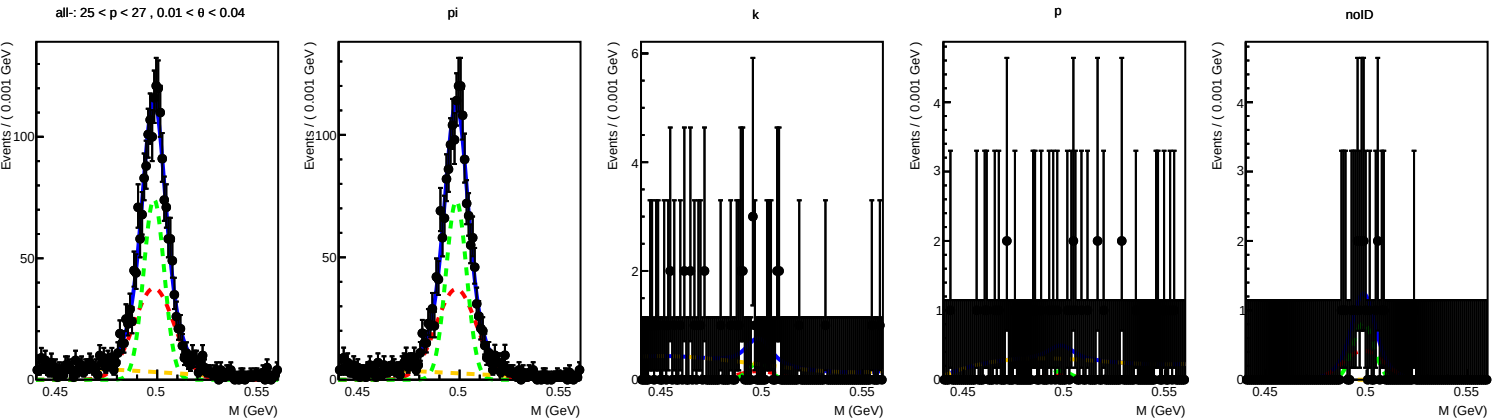

all-: 13 < p < 15 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

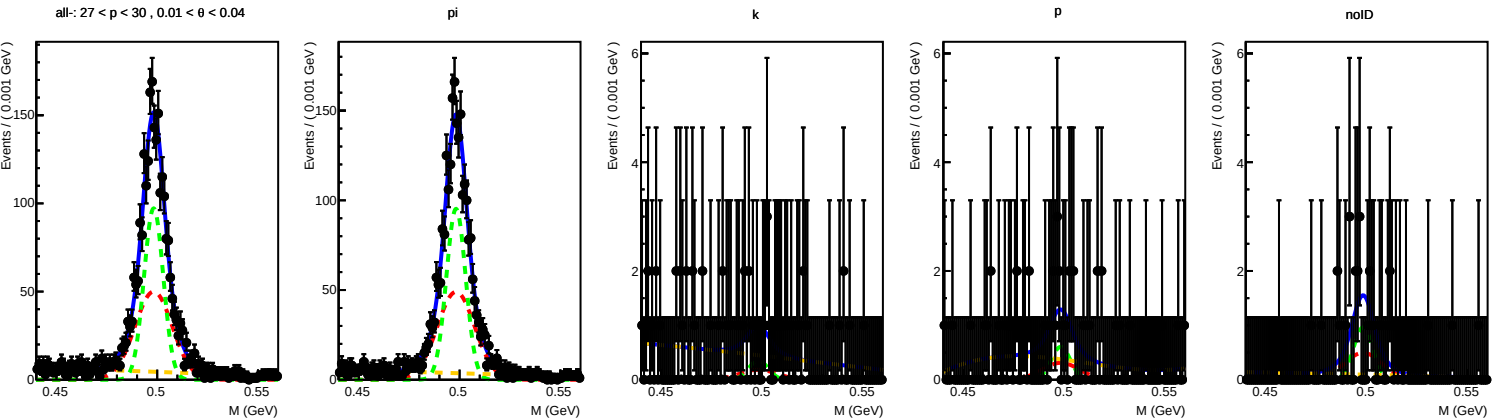

all-: 15 < p < 17 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

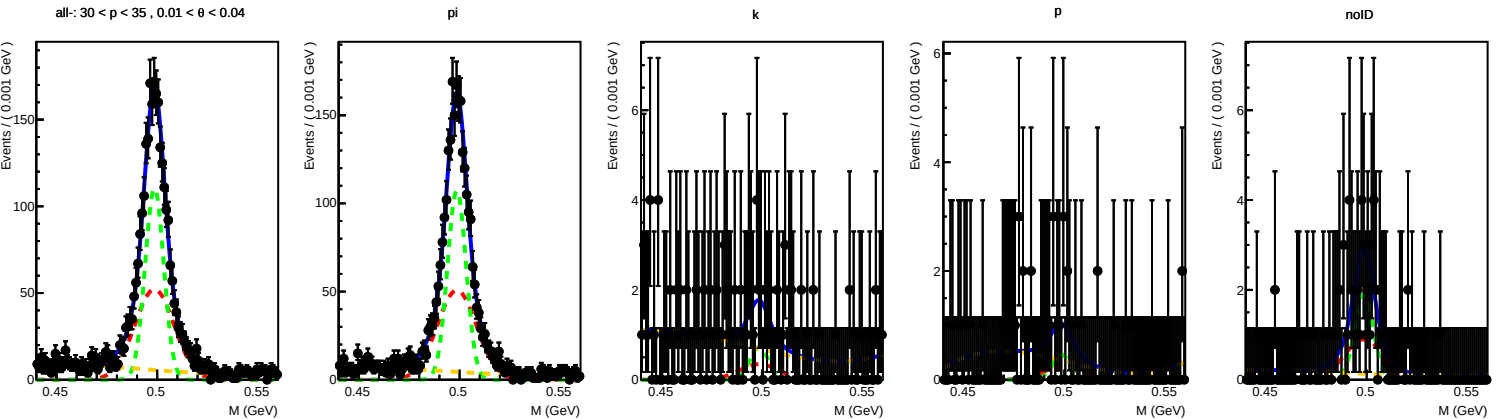

all-: 17 < p < 19 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

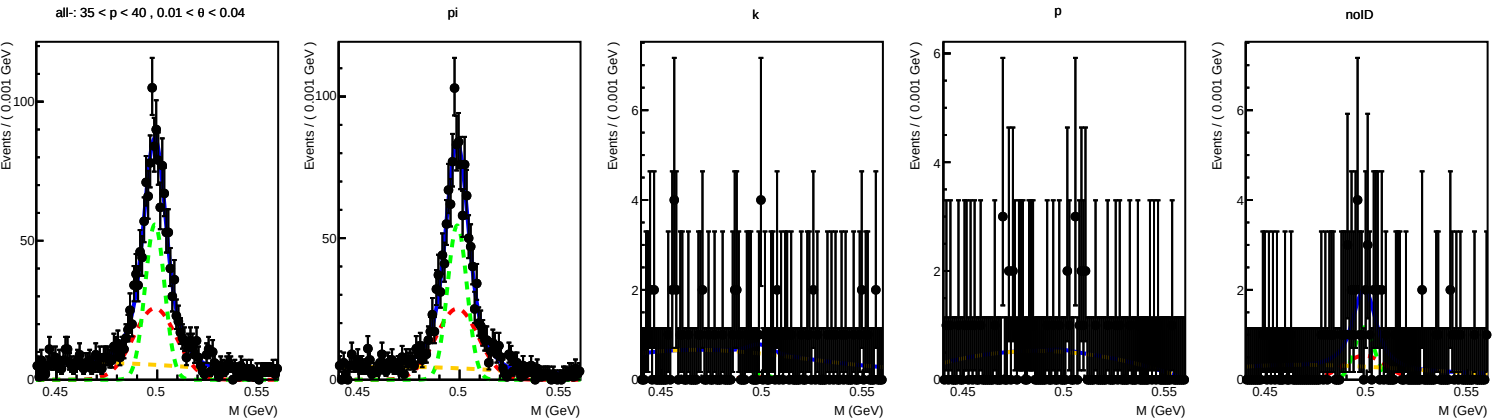

all-: 19 < p < 22 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
100
200
300
2
4
6
5
10
1
3

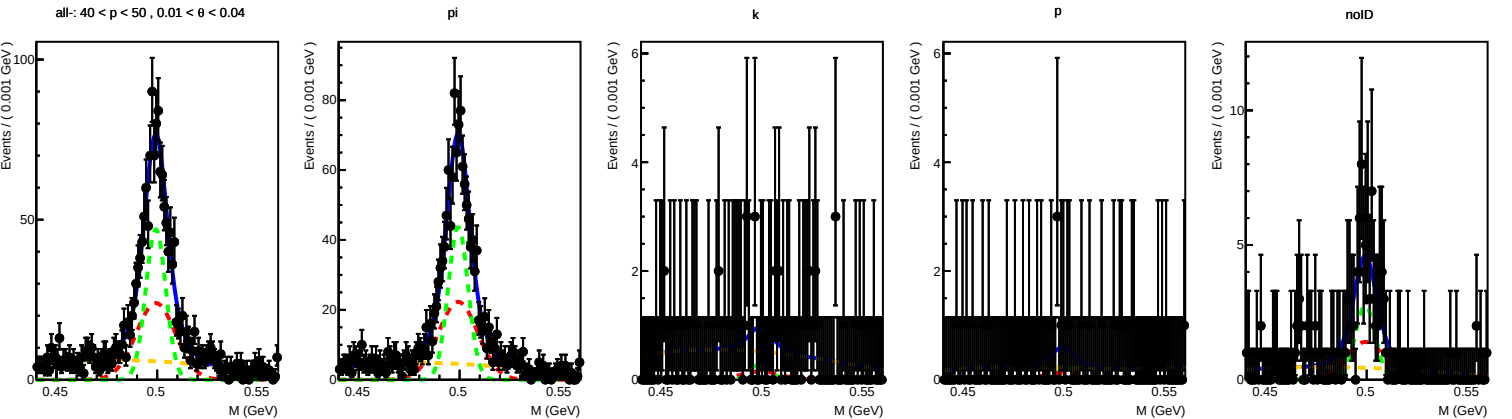

all-: 22 < p < 25 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
100
200
2
4
6
5
10

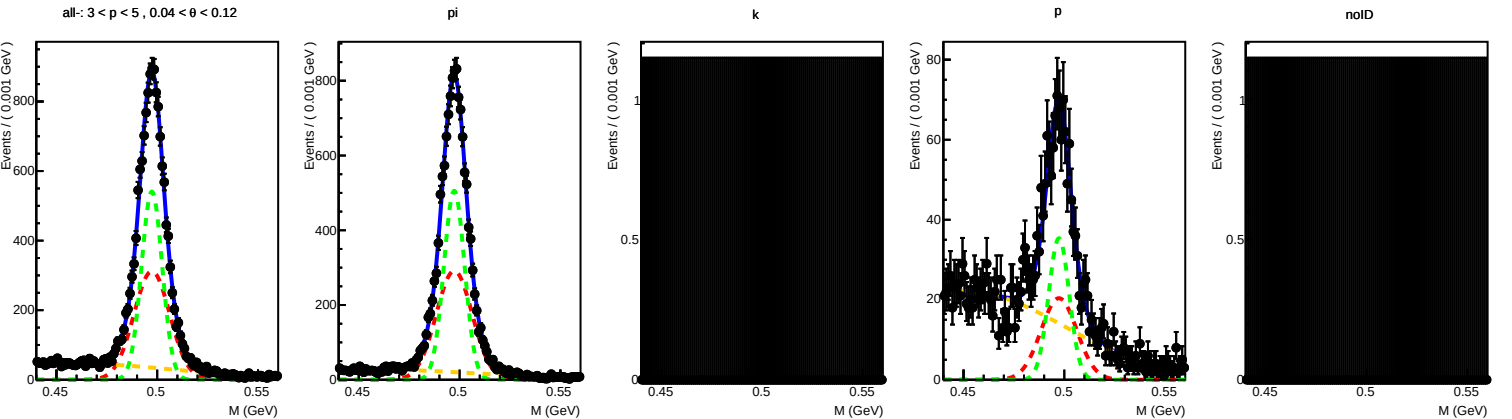

all-: 25 < p < 27 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
50
100
2
4
6
1
3

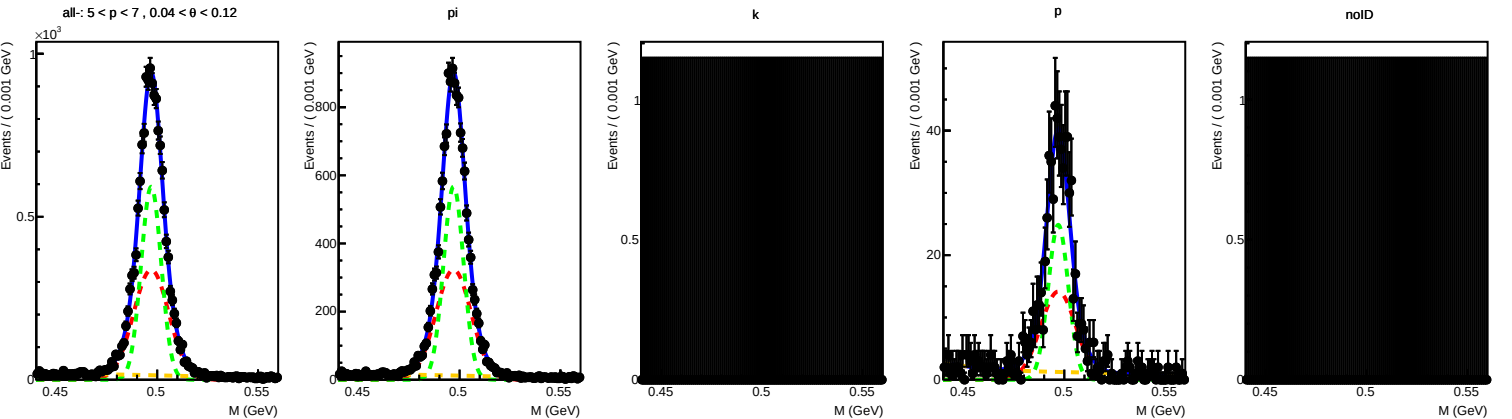

all-: 27 < p < 30 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0
50
100
150
2
4
6
0.45
0.5
0.55

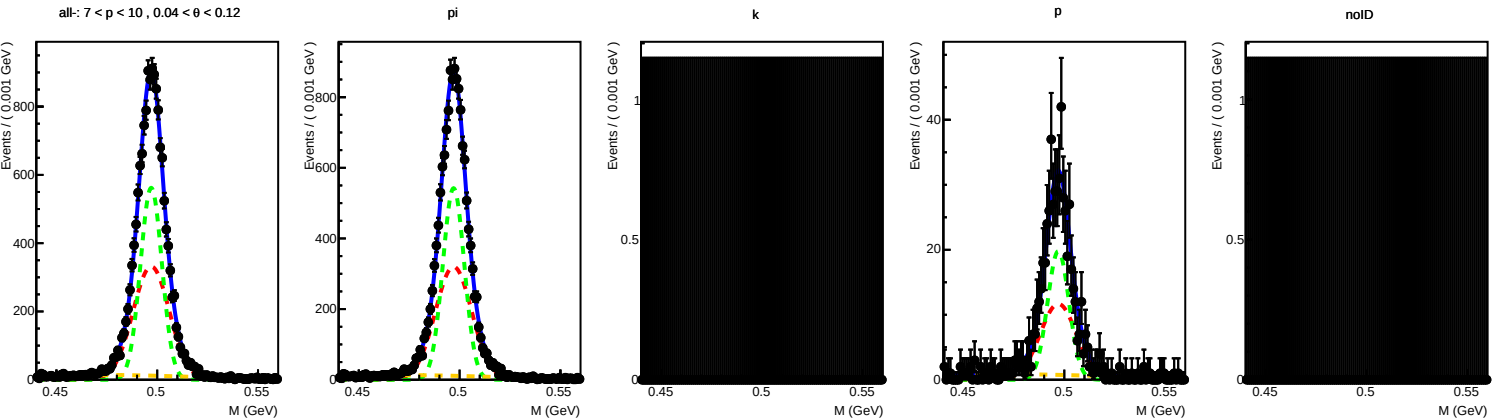

all-: 30 < p < 35 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0
50
100
150
2
4
6
0.45
0.5
0.55

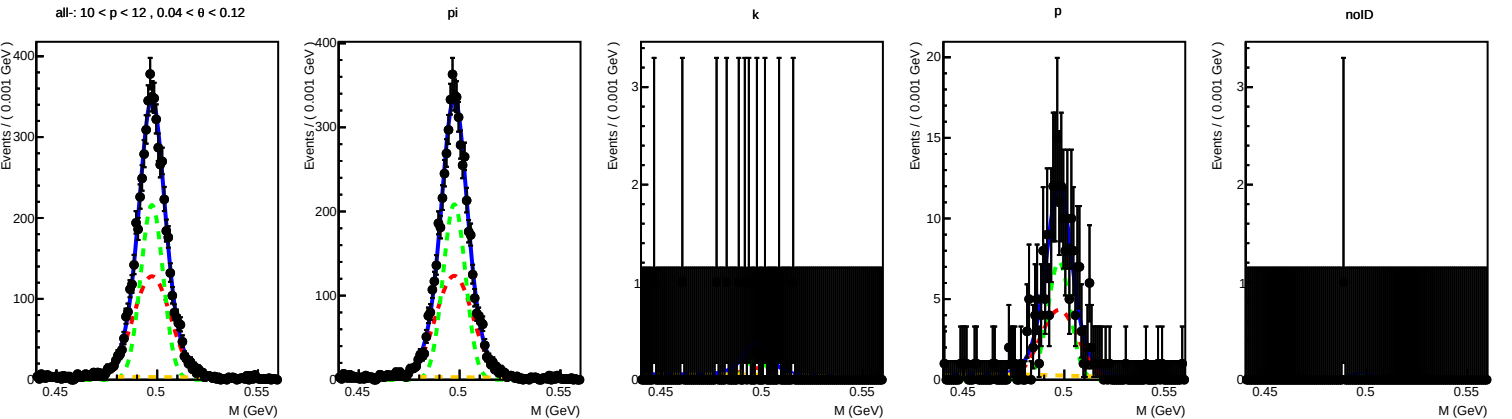

all-: 35 < p < 40 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0
50
100
2
4
6
0.45
0.5
0.55

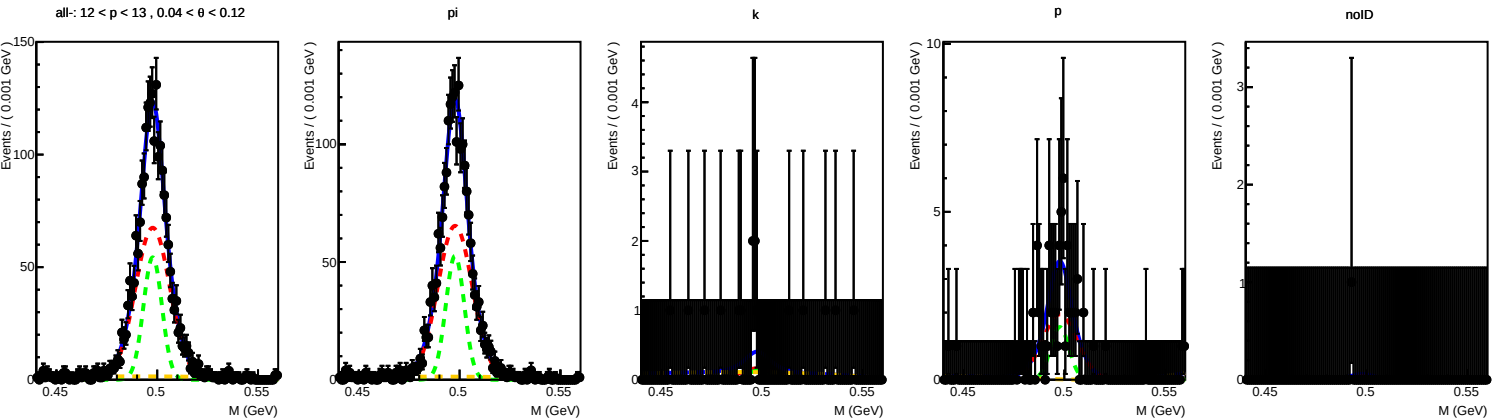

all-: 40 < p < 50 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

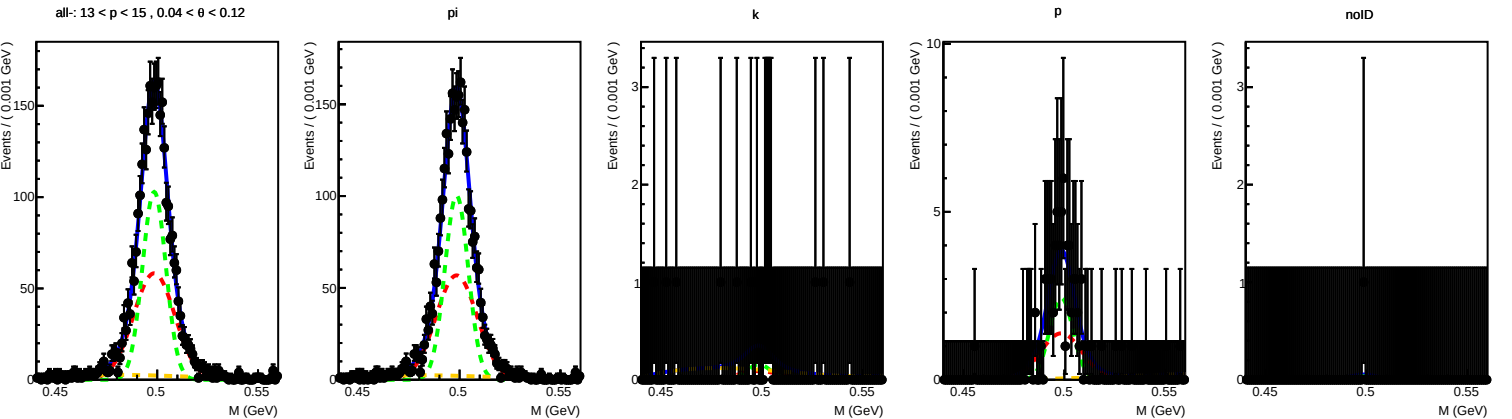

all-: 3 < p < 5 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)

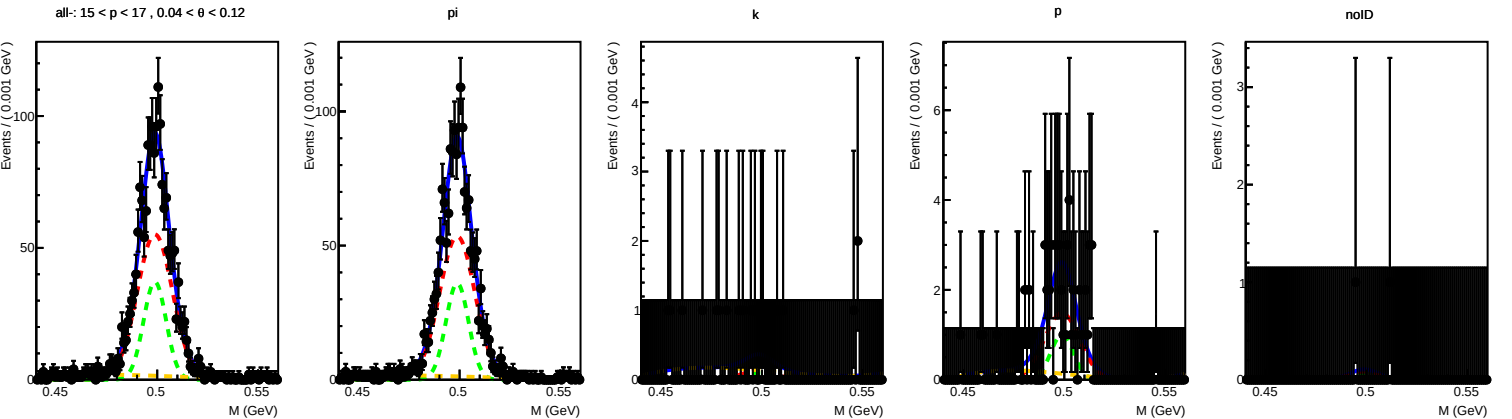

all-: 5 < p < 7 , 0.04 < θ < 0.12
pi
k
p
noID
×10^3
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
0.5
1
200
400
600
800
20
40

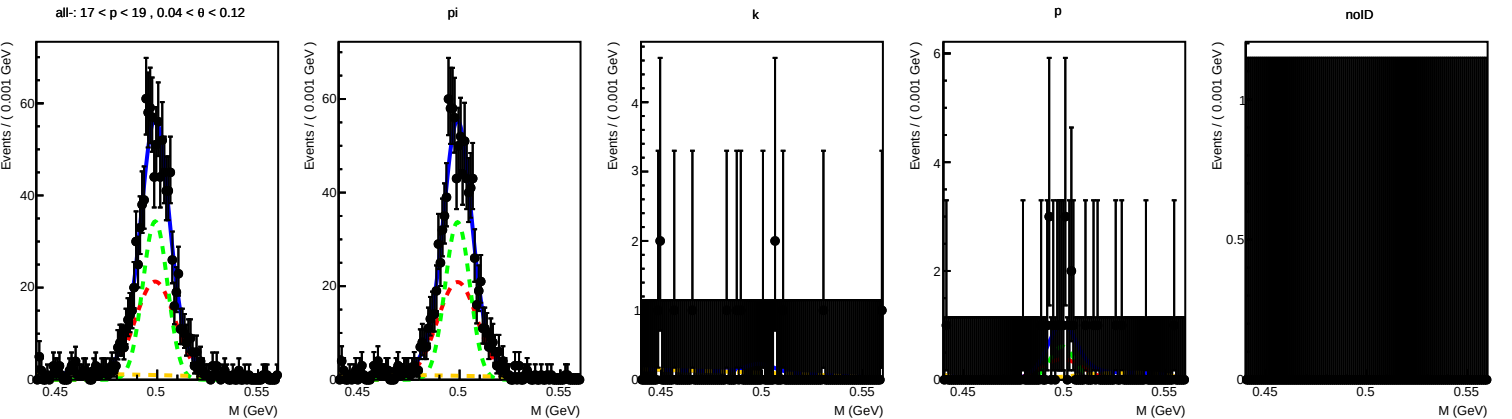

all-: 7 < p < 10 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
200
400
600
800
0.5
1
20
40

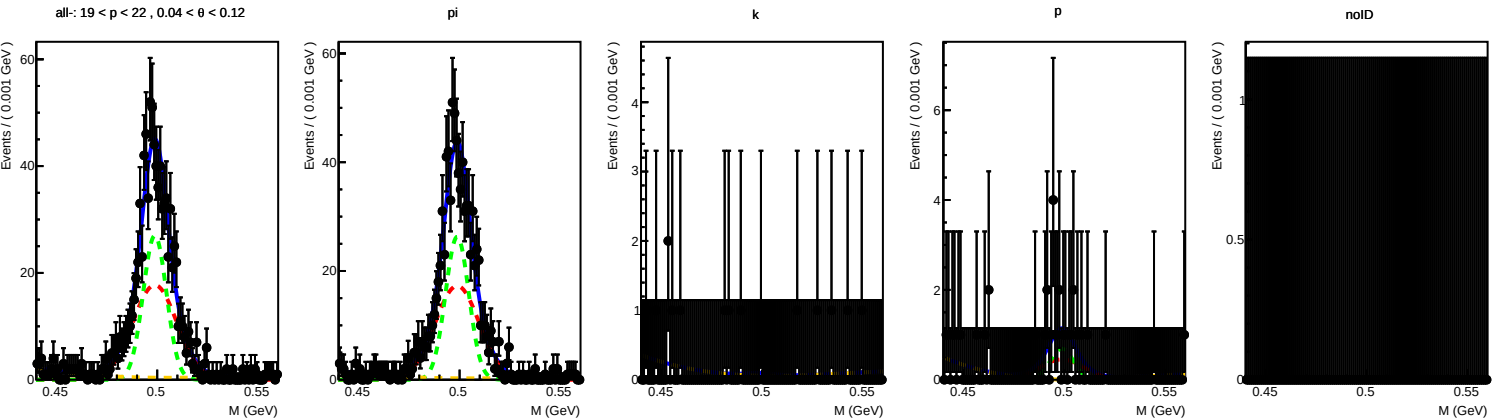

all-: 10 < p < 12 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

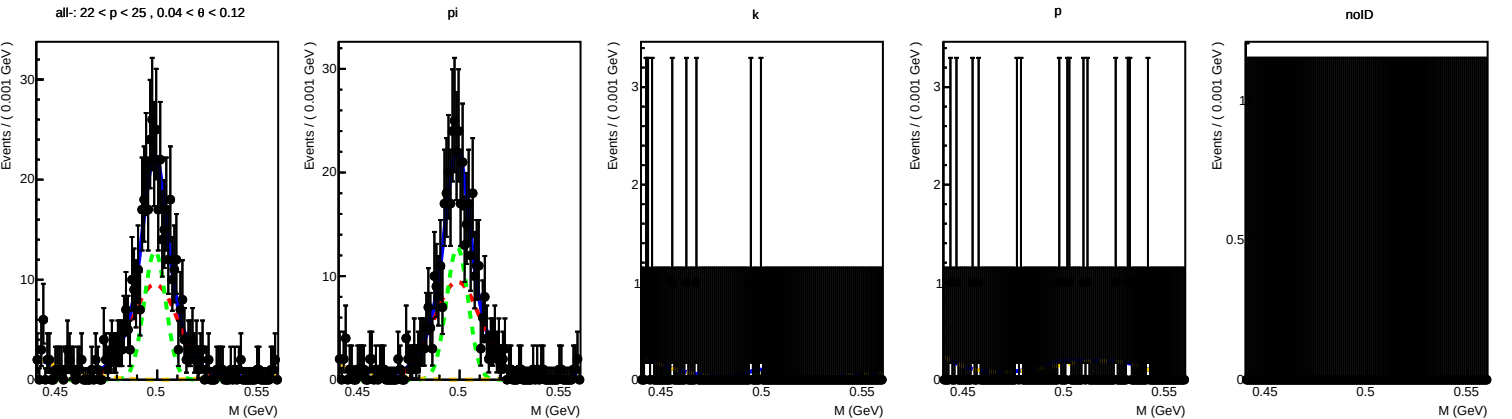

all-: 12 < p < 13 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

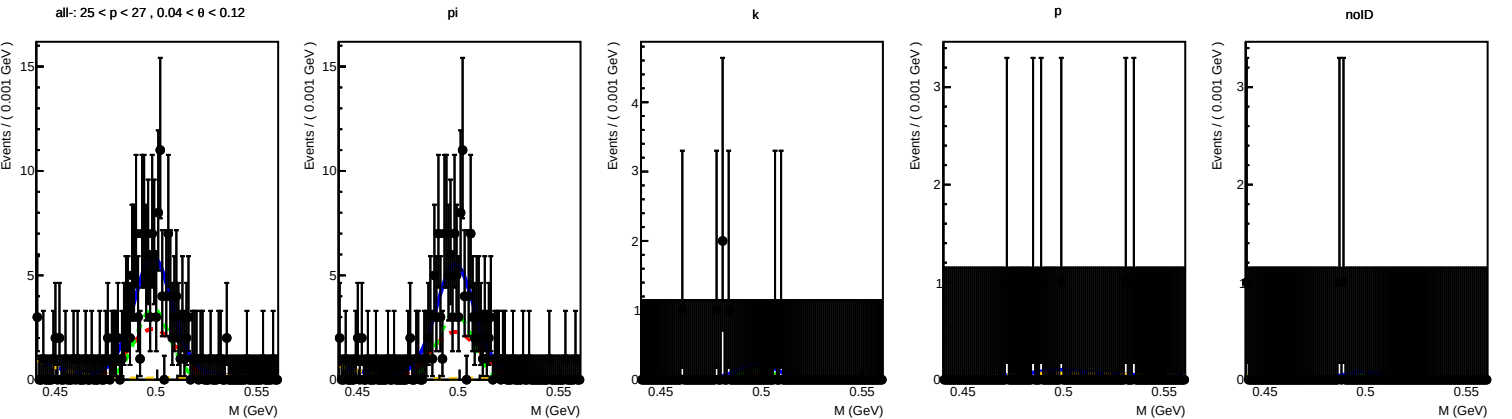

all-: 13 < p < 15 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
50
100
150
1
2
3
5
10

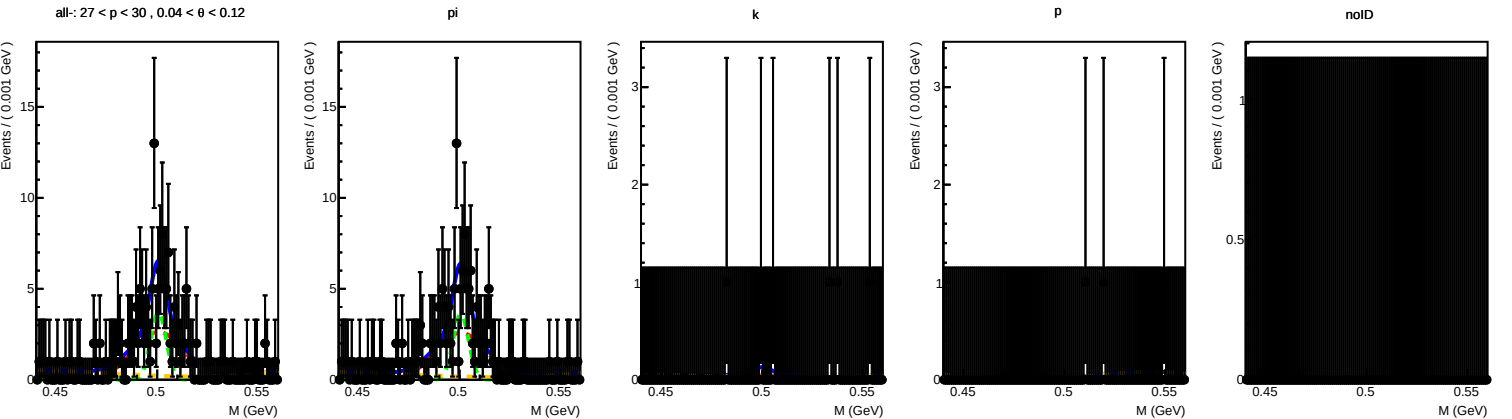

all-: 15 < p < 17 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

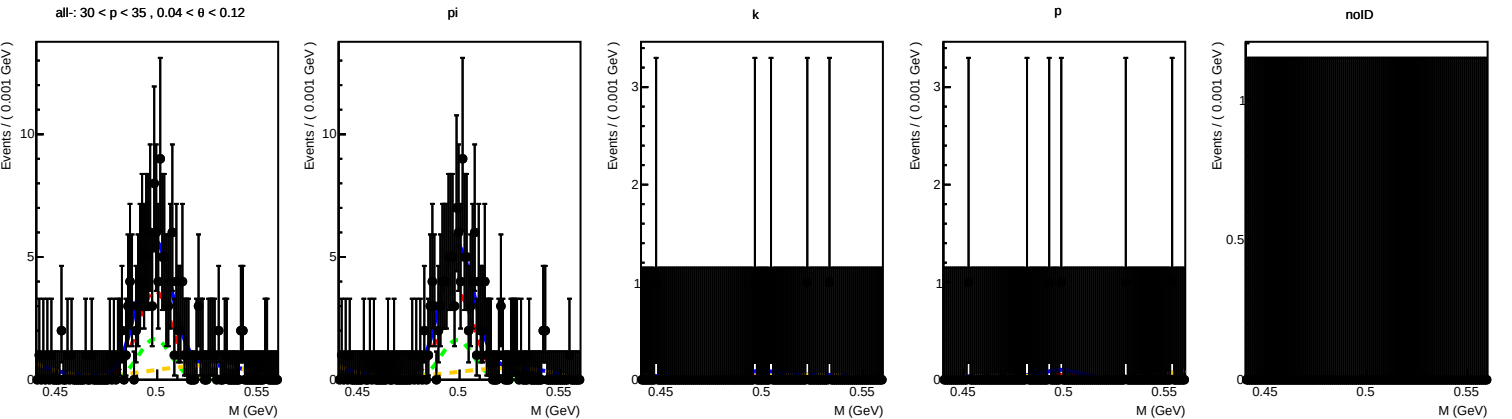

all-: 17 < p < 19 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

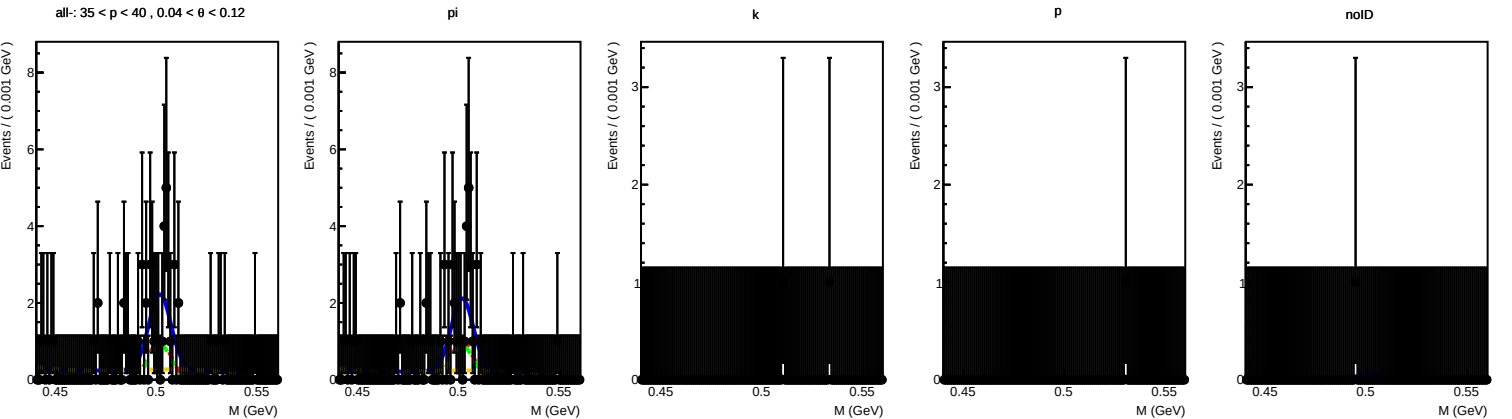

all-: 19 < p < 22 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

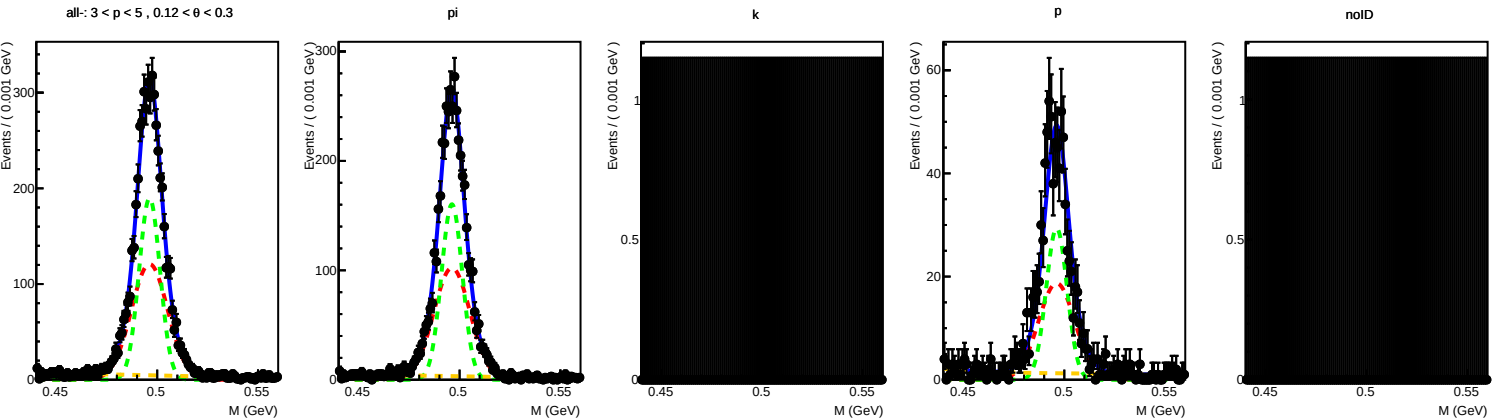

all-: 22 < p < 25 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

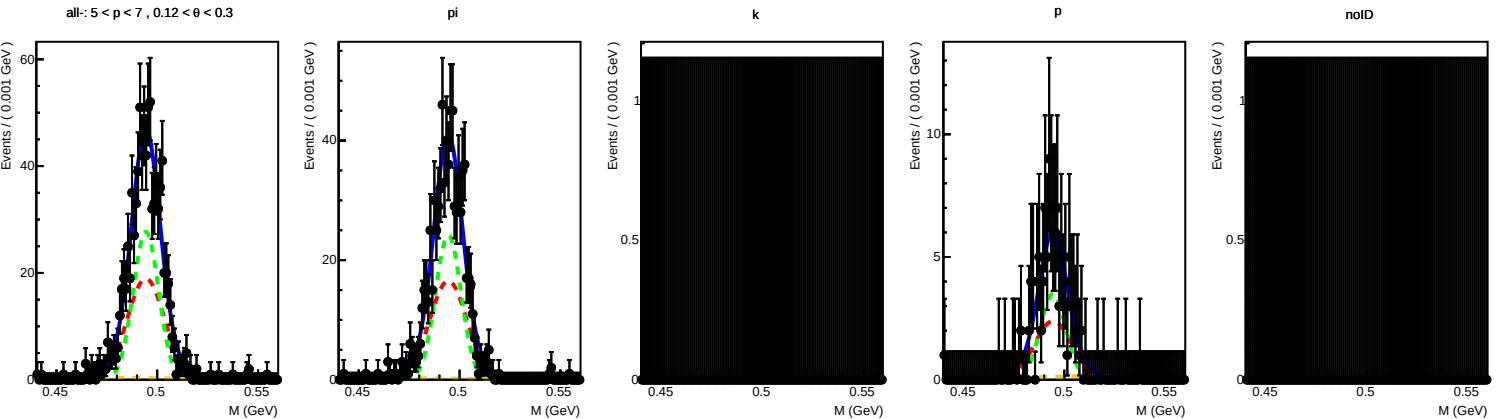

all-: 25 < p < 27 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

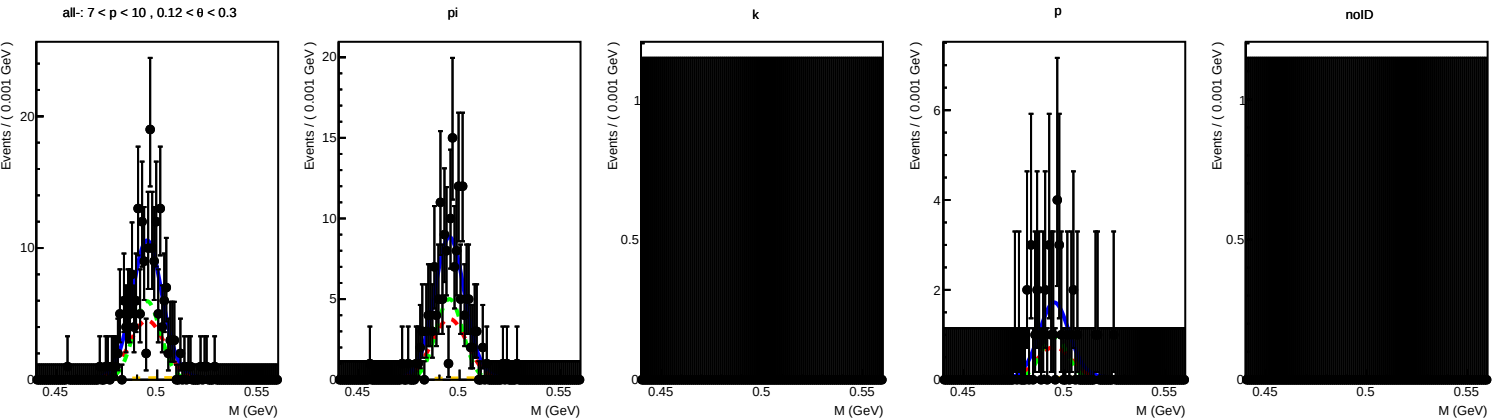

all-: 27 < p < 30 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

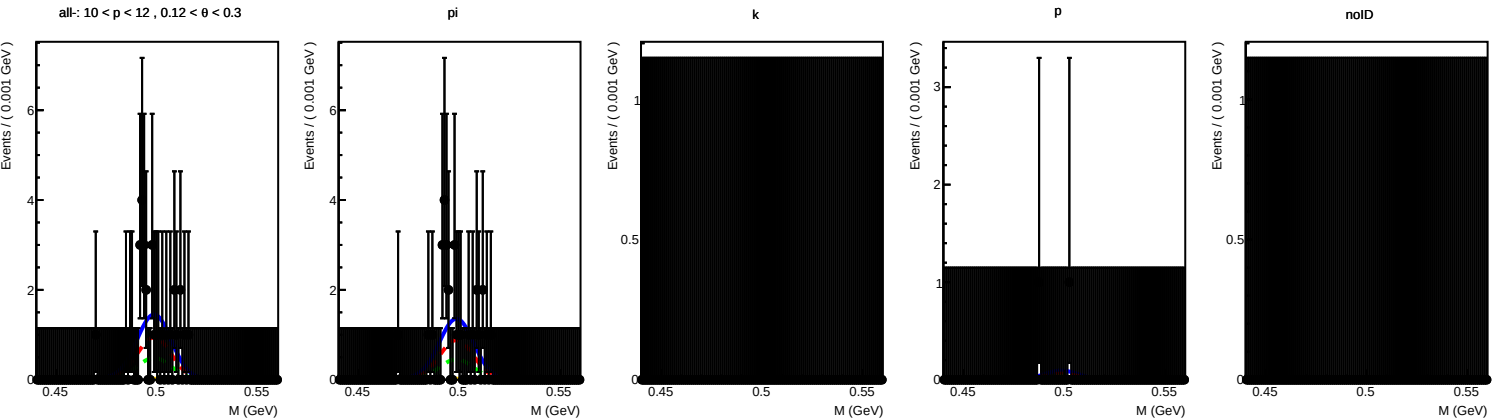

all-: 30 < p < 35 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55


all-: 35 < p < 40 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55


all-: 3 < p < 5 , 0.12 < θ < 0.3
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
100
200
300
0.5
1
20
40
60


all-: 5 < p < 7 , 0.12 < θ < 0.3
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55


all-: 7 < p < 10 , 0.12 < θ < 0.3
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55


all-: 10 < p < 12 , 0.12 < θ < 0.3
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55