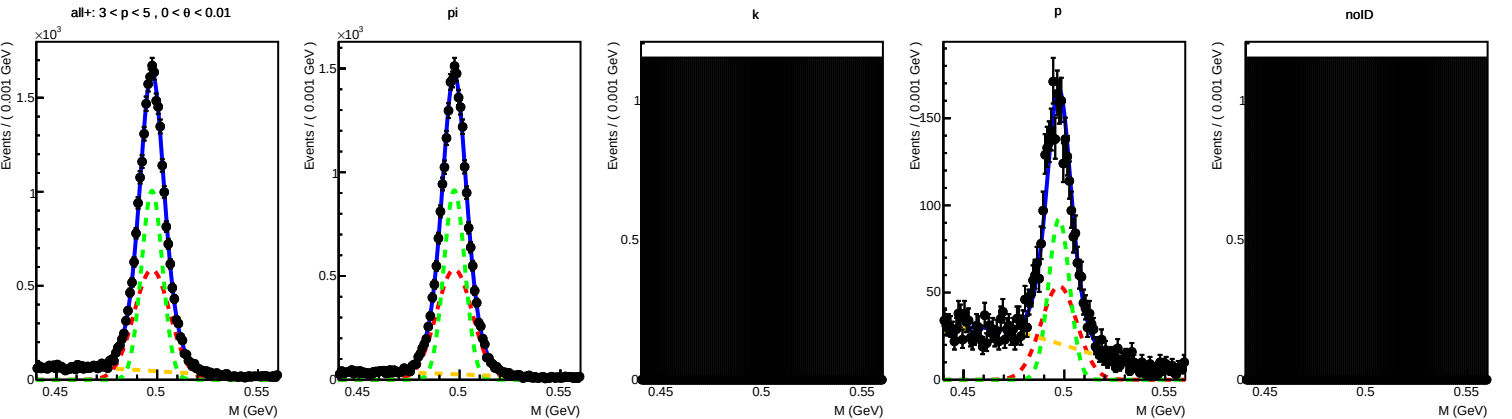
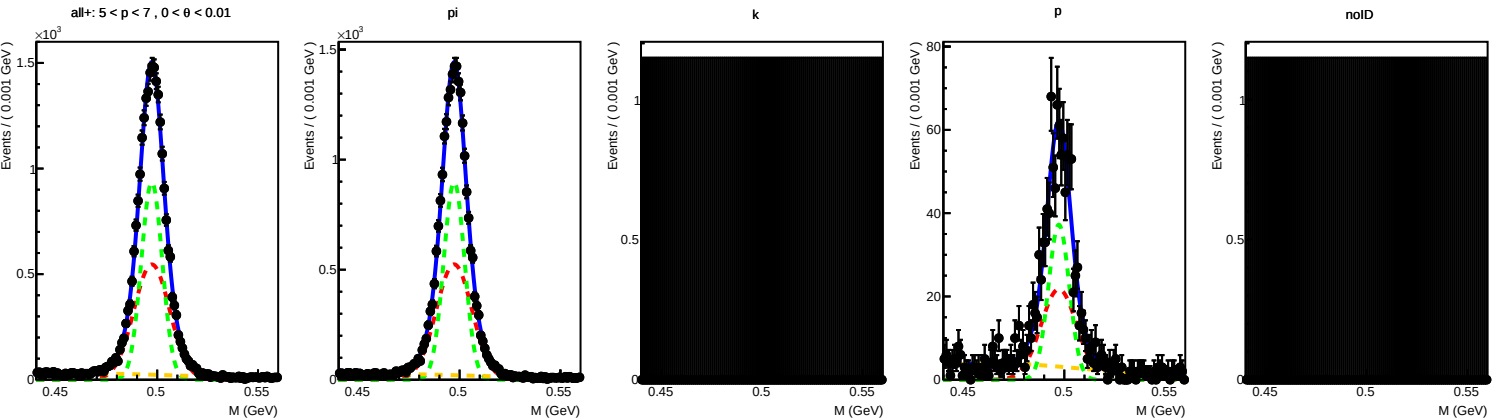
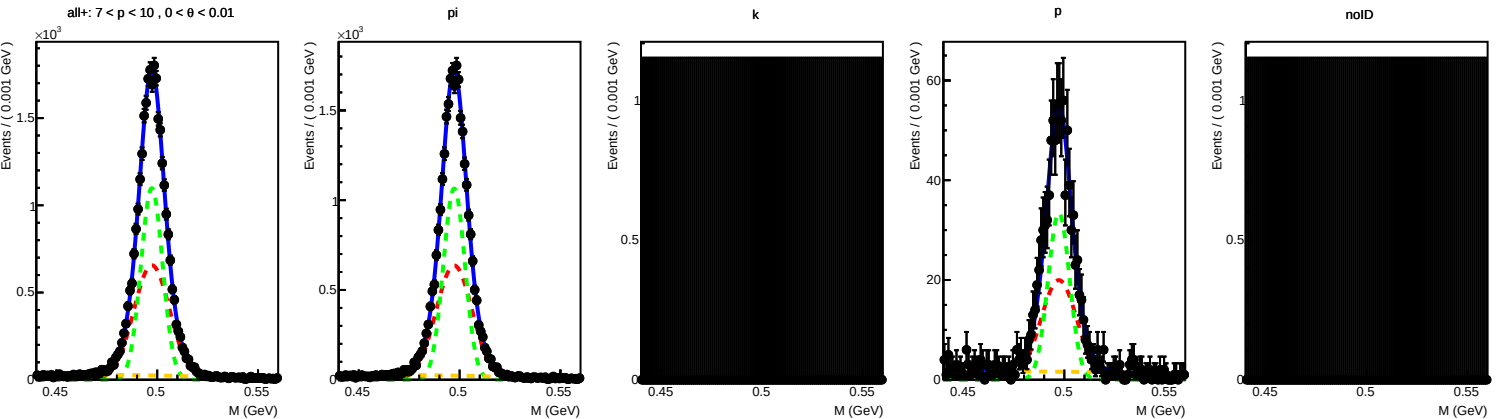
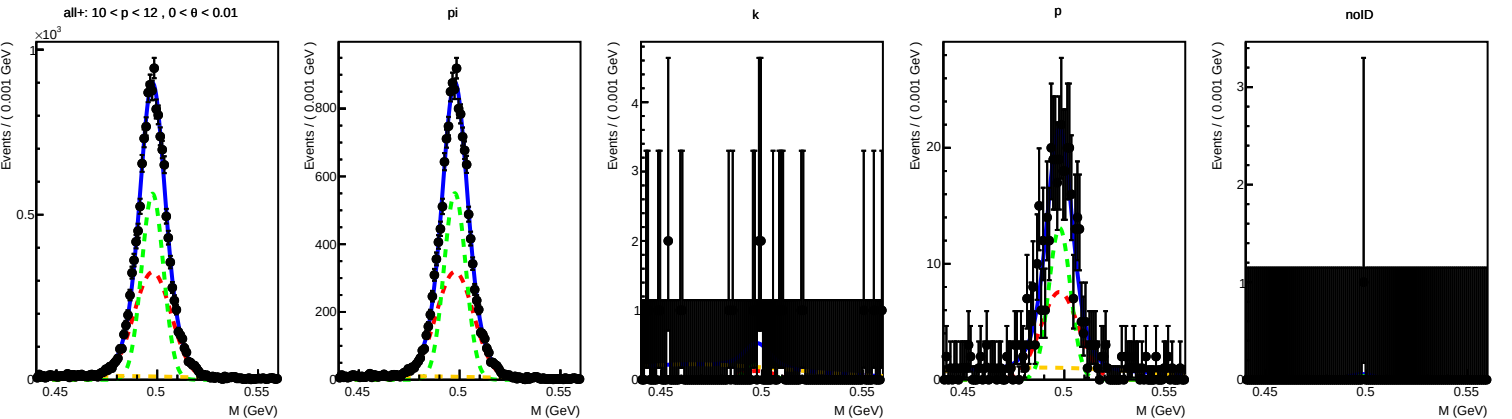
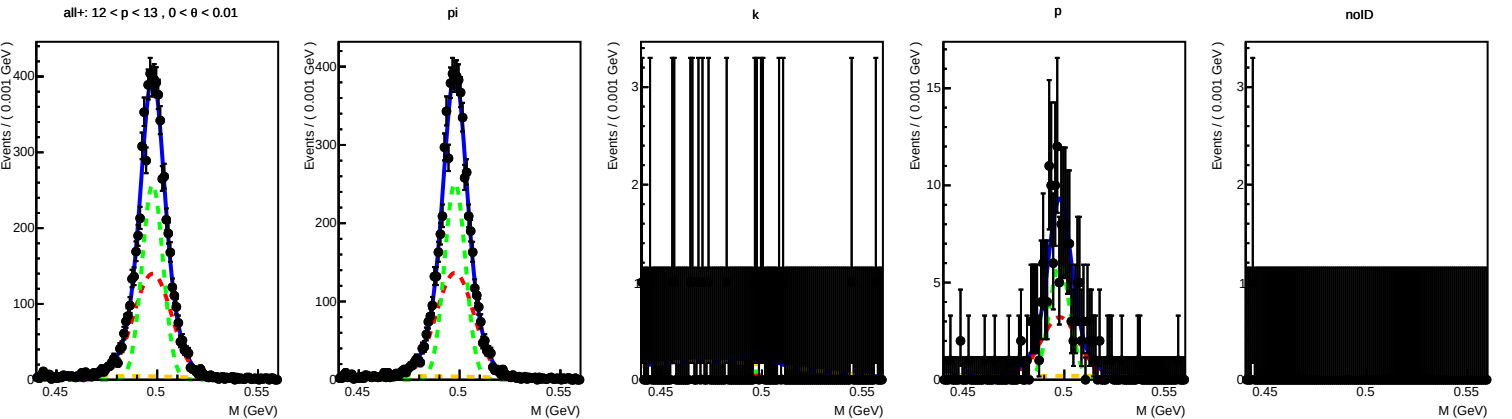
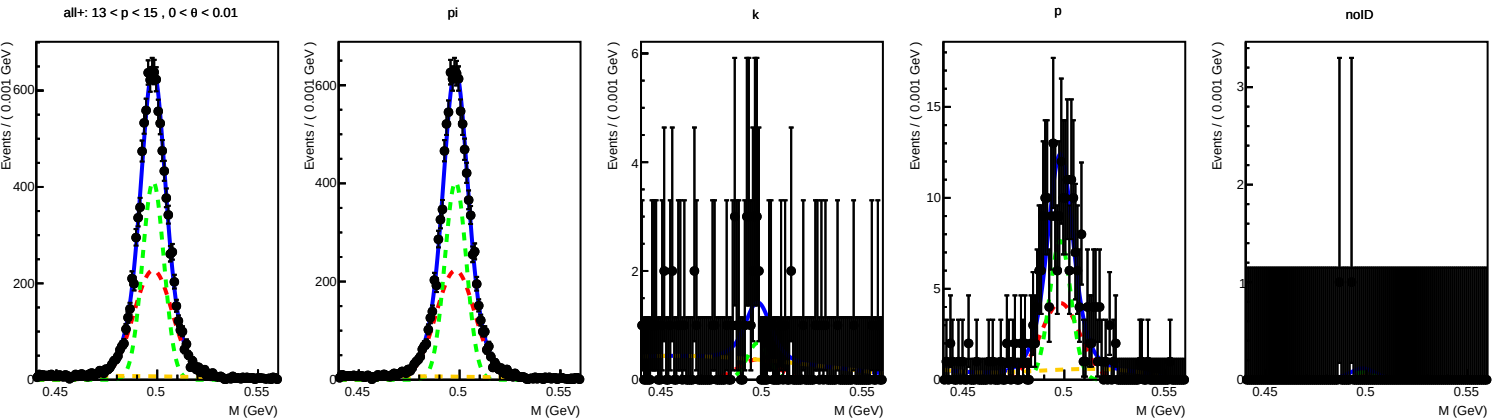

all+: 3 < p < 5 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
×10³
M (GeV)
0.45
0.5
0.55
0
0.5
1
1.5
50
100
150

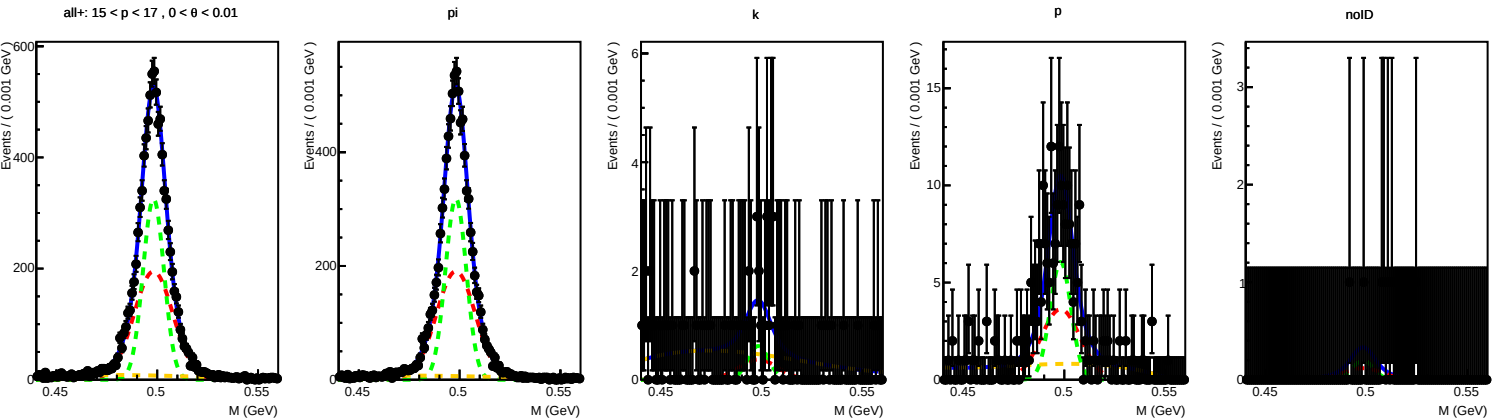

all+: 5 < p < 7 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
×10^3
M (GeV)
0.45
0.5
0.55
0
0.5
1
1.5
20
40
60
80

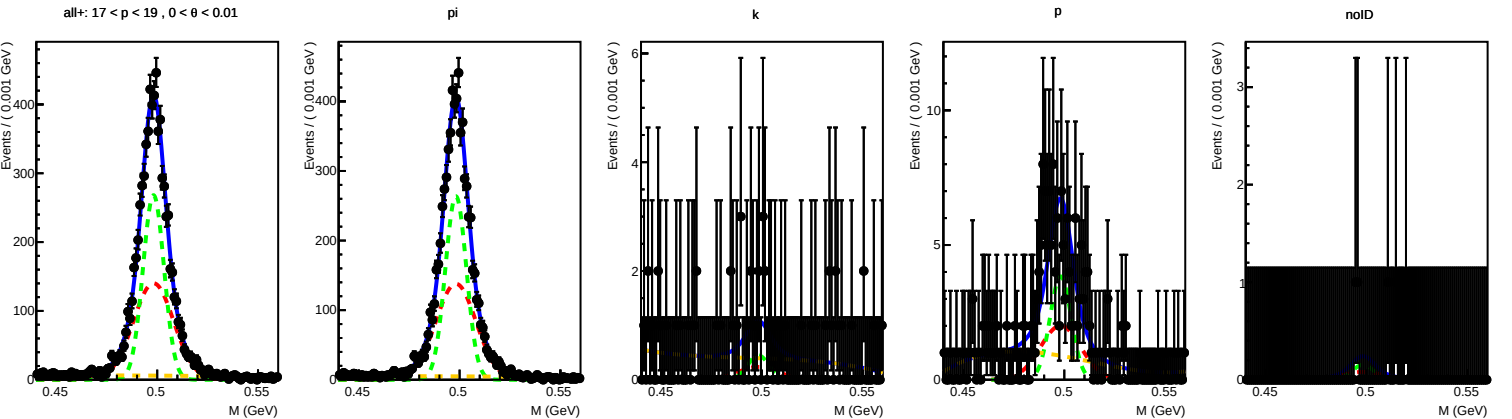

all+: 7 < p < 10 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
×10^3
M (GeV)
0.45
0.5
0.55
0
0.5
1
1.5
20
40
60

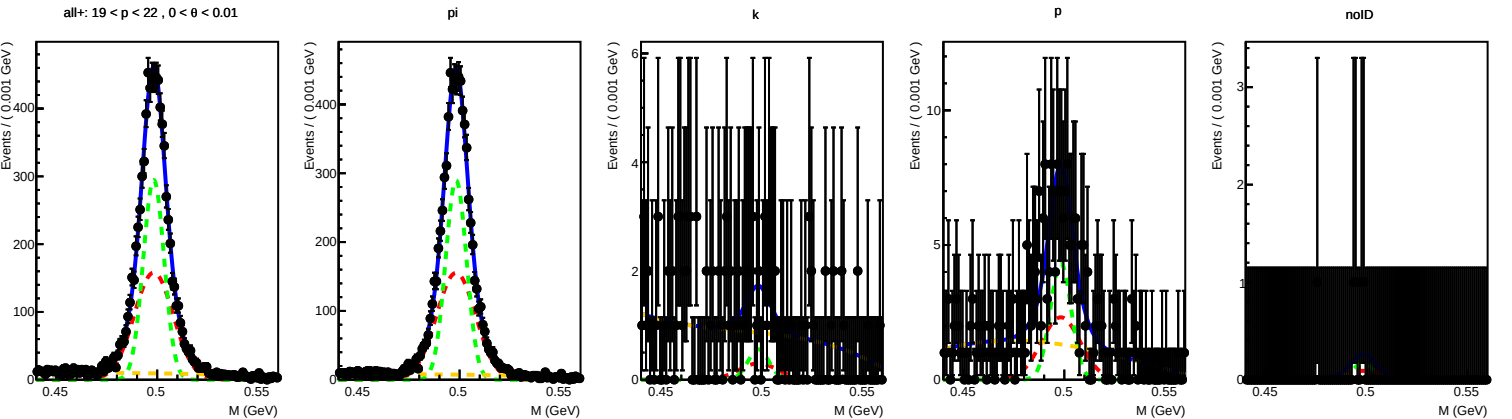

all+: 10 < p < 12 , 0 < θ < 0.01
pi
k
p
noID
×10^3
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

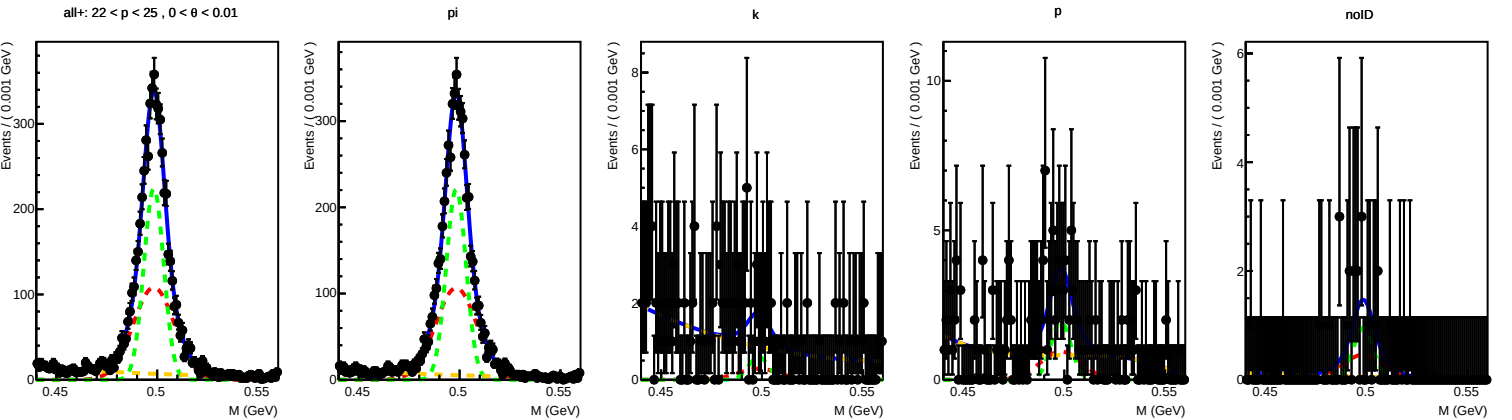

all+: 12 < p < 13 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
100
200
300
400
1
2
3
5
10
15

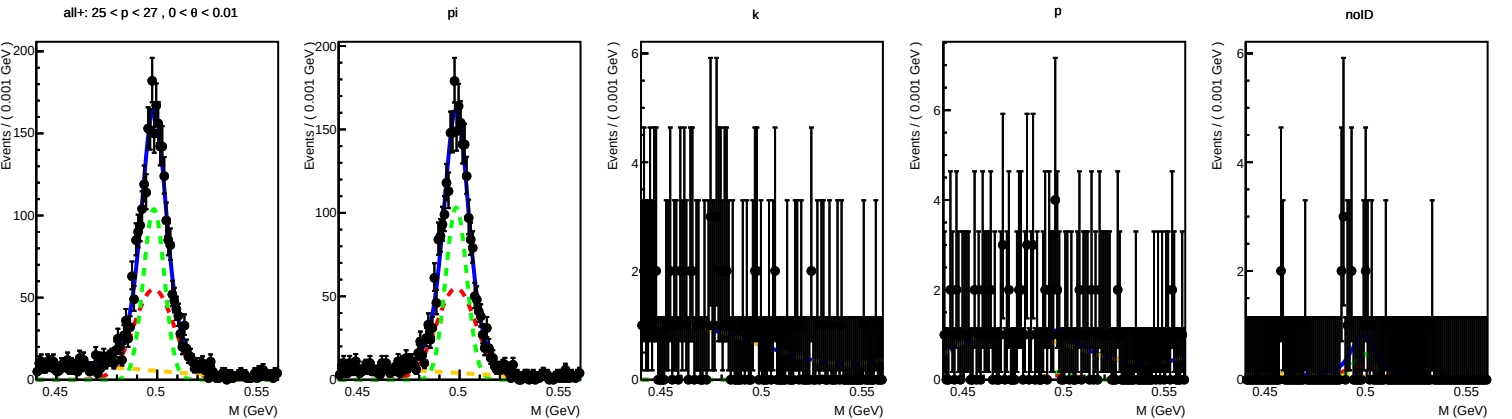

all+: 13 < p < 15 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

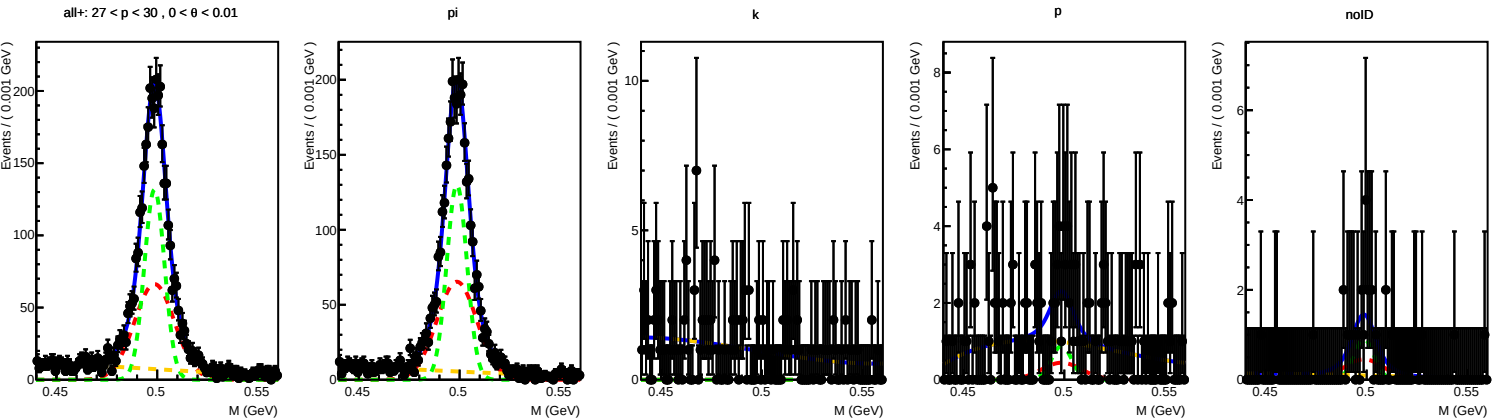

all+: 15 < p < 17 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
200
400
600
2
4
6
5
10
15
1
3

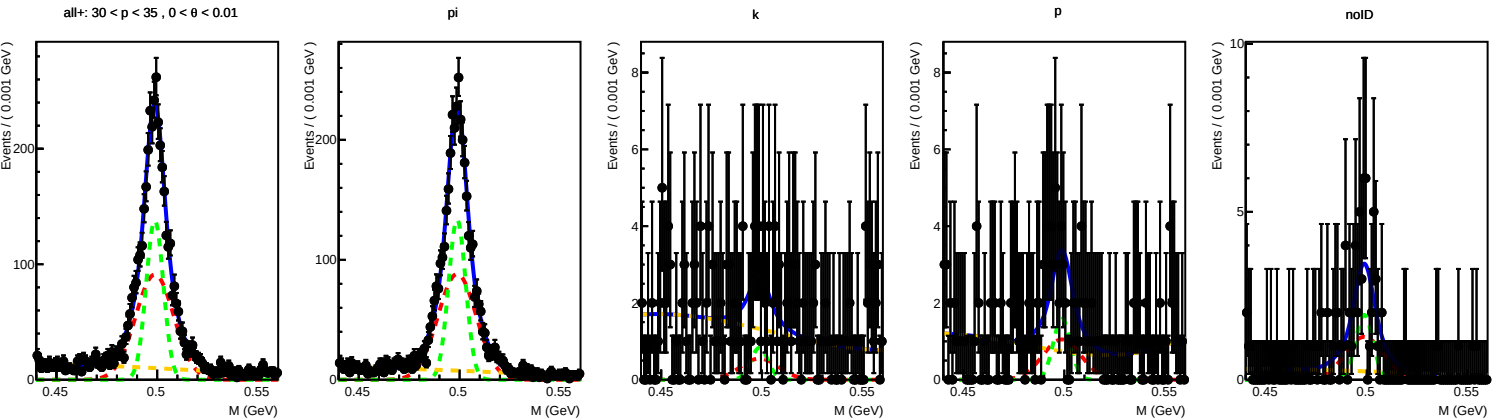

all+: 17 < p < 19 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

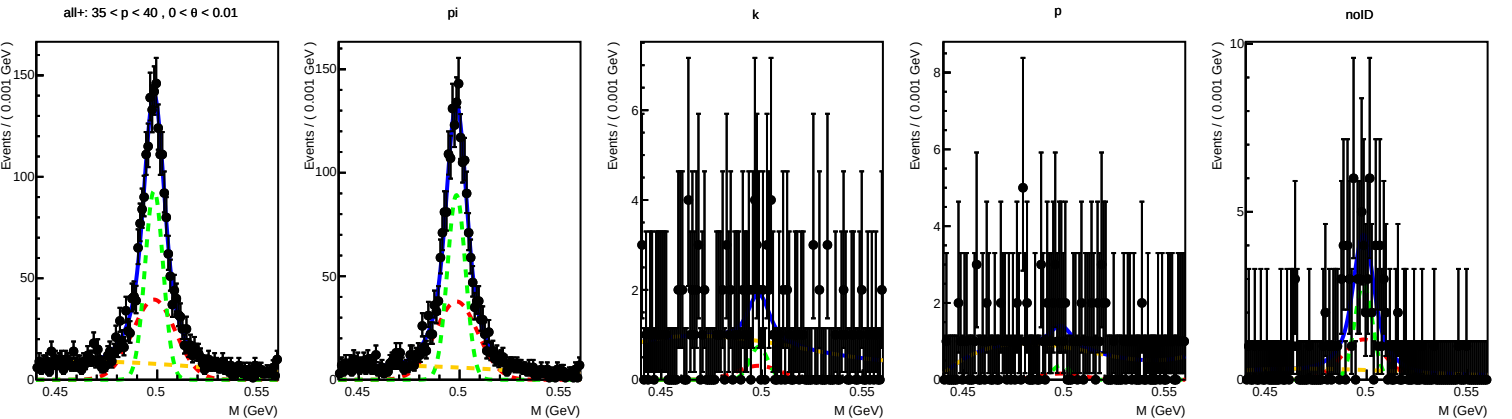

all+: 19 < p < 22 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

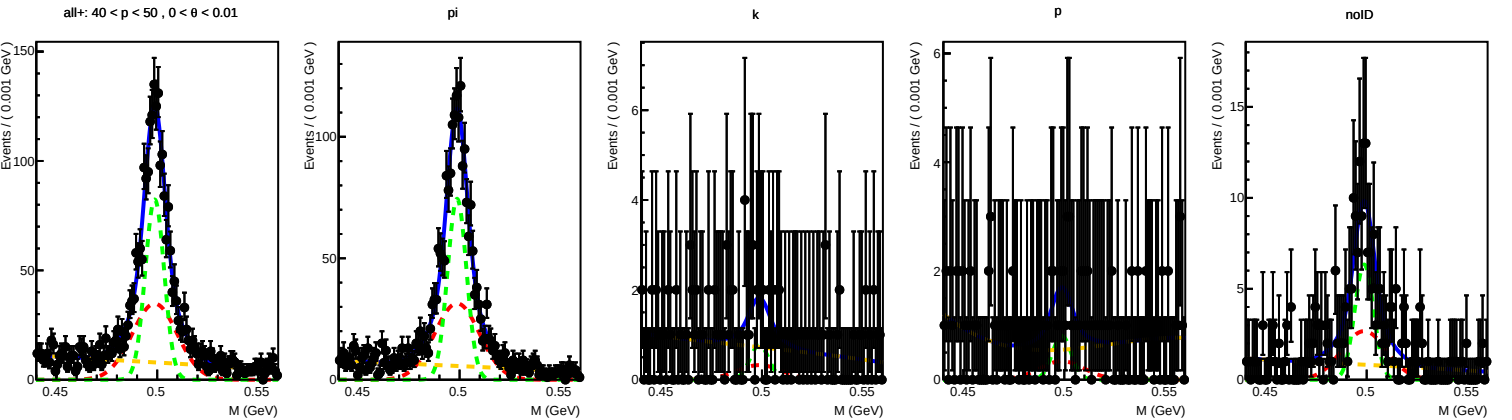

all+: 22 < p < 25 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

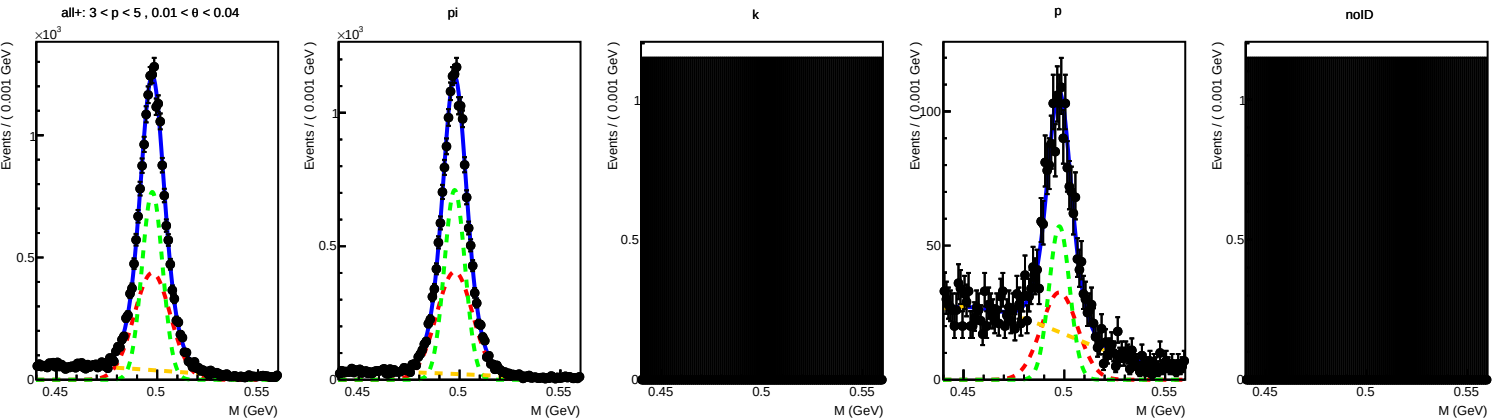

all+: 25 < p < 27 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
50
100
150
200
2
4
6

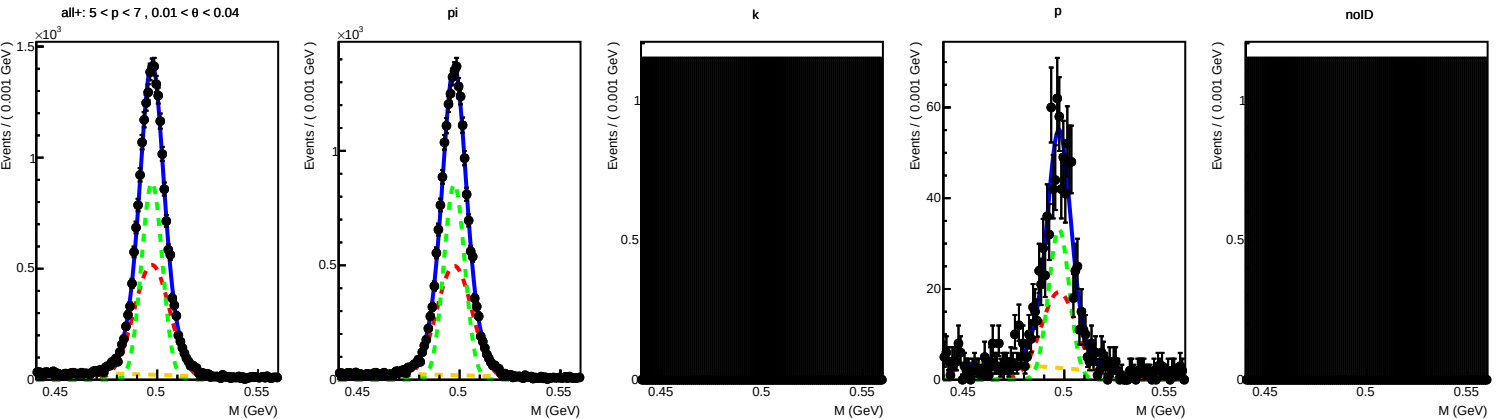

all+: 27 < p < 30 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

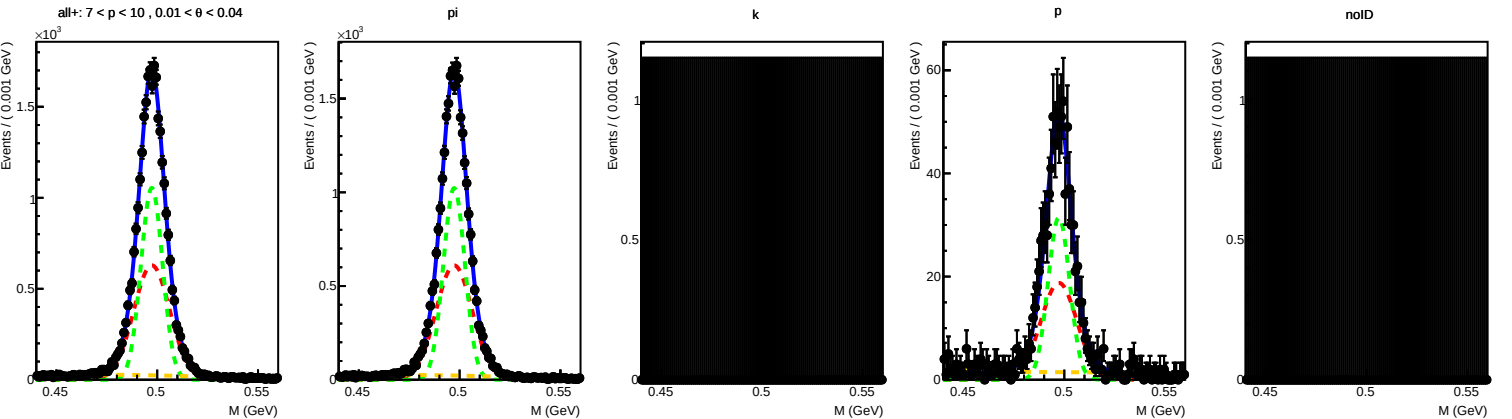

all+: 30 < p < 35 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
100
200
2
4
6
8
5
10

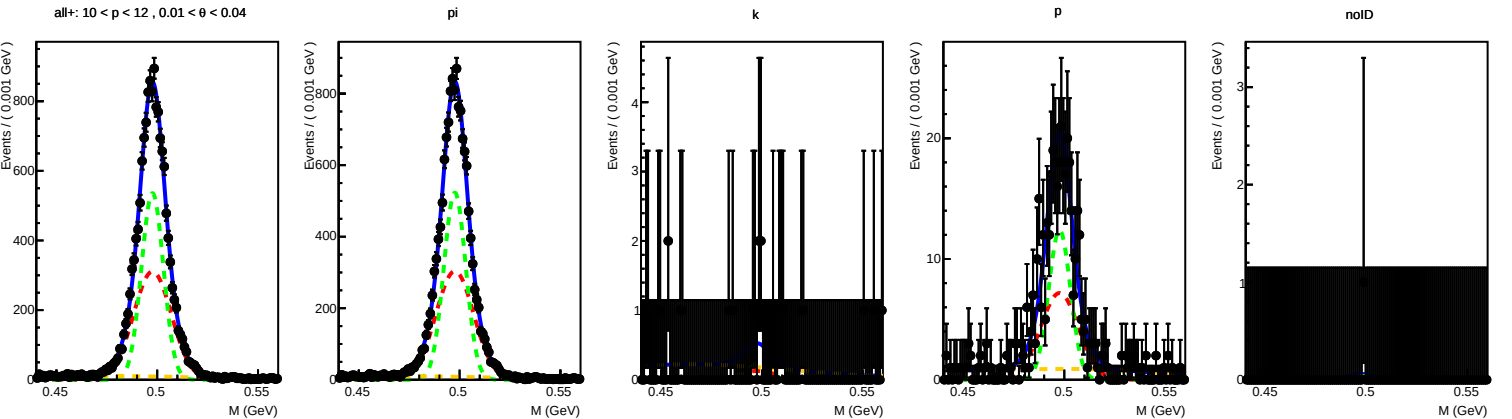

all+: 35 < p < 40 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

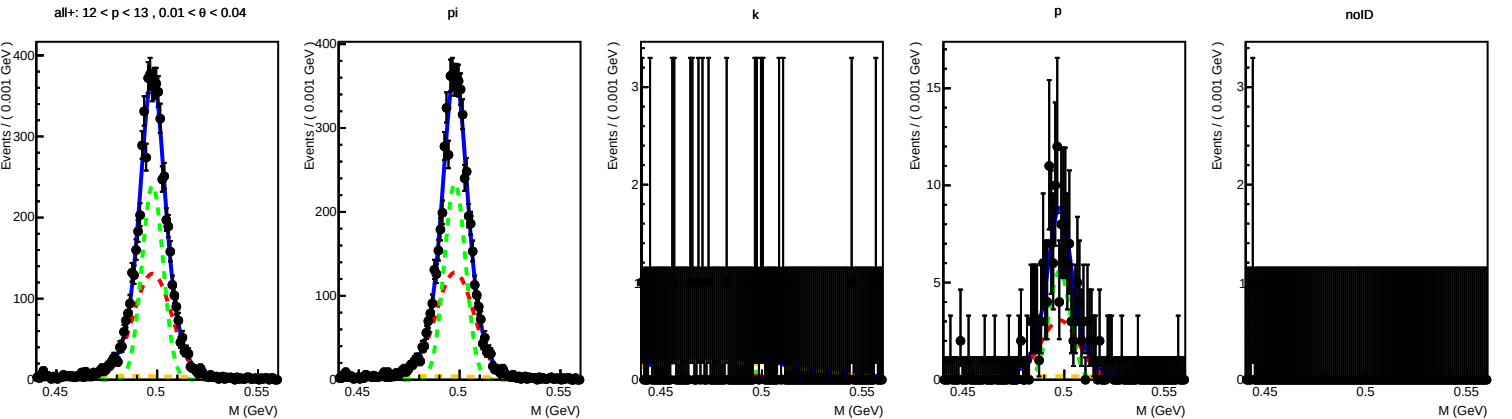

all+: 40 < p < 50 , 0 < θ < 0.01
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
50
100
150
2
4
6
5
10
15

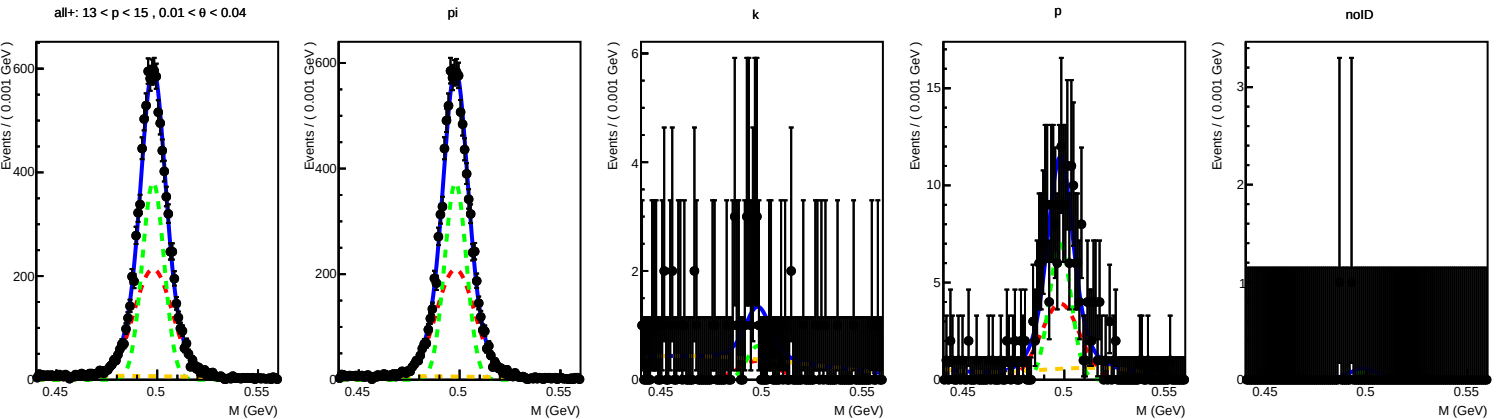

all+: 3 < p < 5 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
×10³
M (GeV)
0.45
0.5
0.55
0
0.5
1
50
100

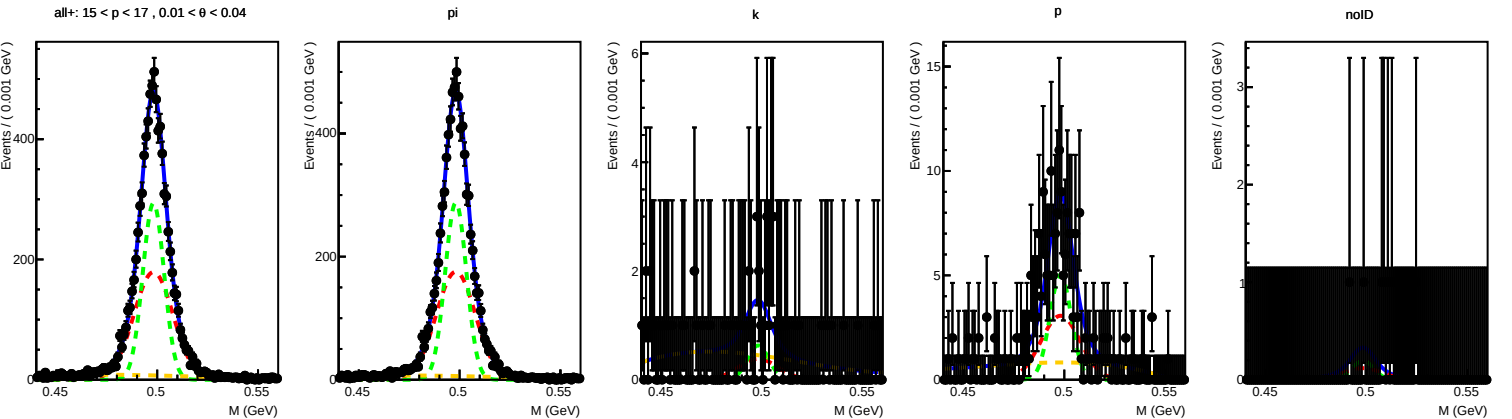

all+: 5 < p < 7 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
×10³
0.45
0.5
0.55

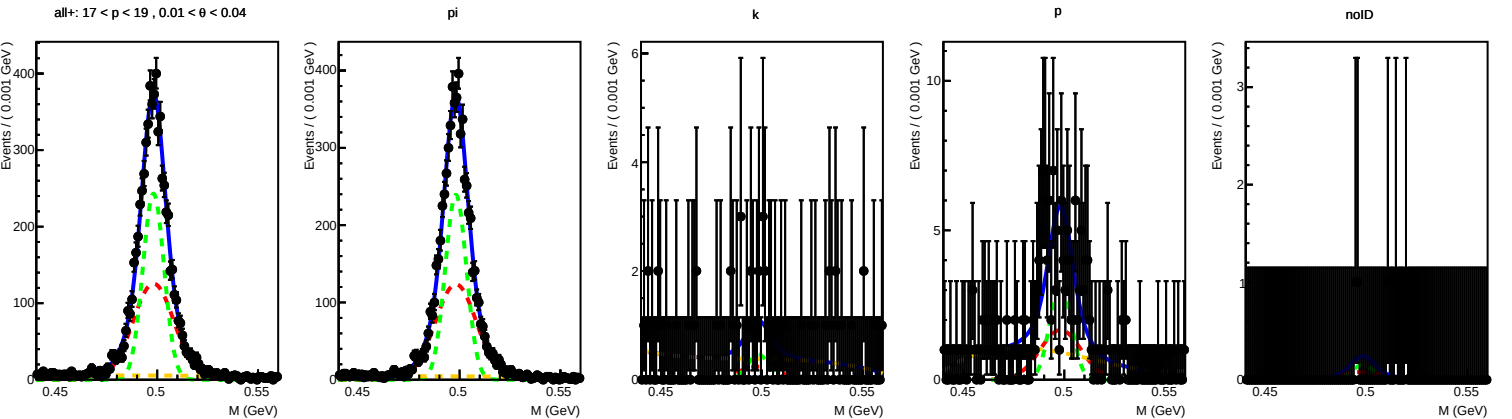

all+: 7 < p < 10 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
×10^3
M (GeV)
0.45
0.5
0.55
0
0.5
1
1.5
20
40
60

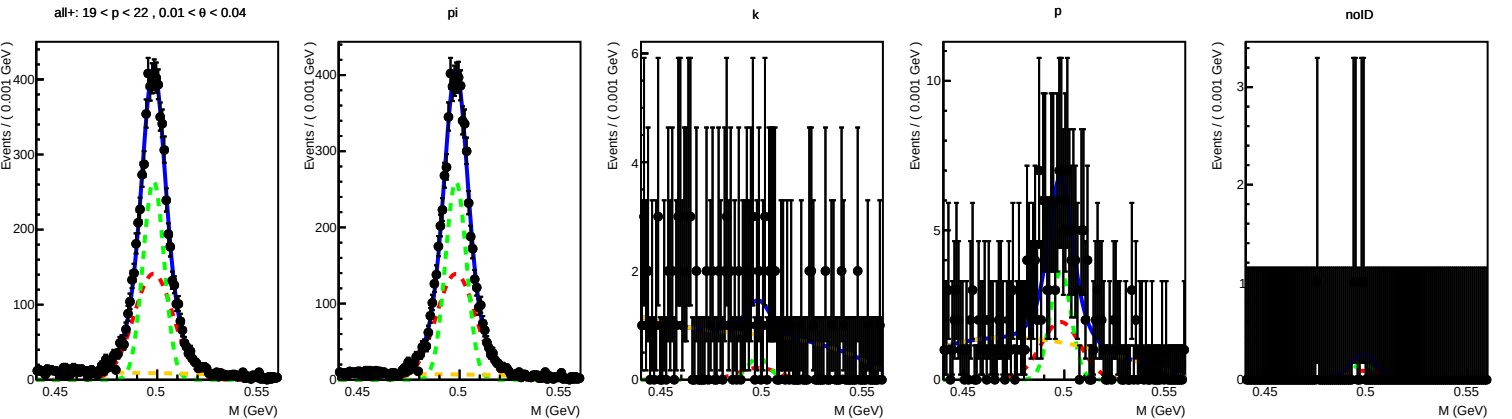

all+: 10 < p < 12 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

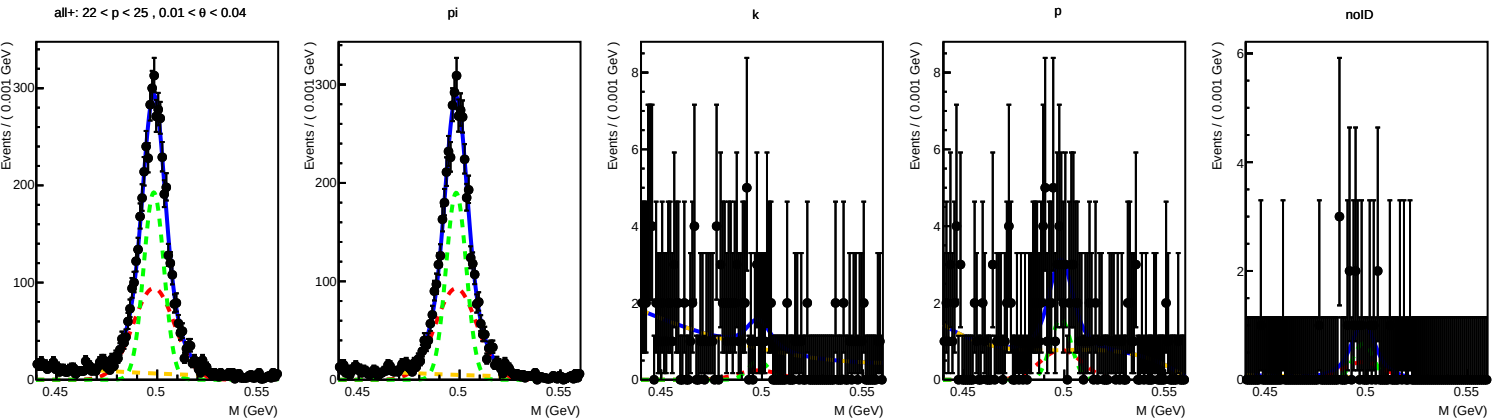

all+: 12 < p < 13 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

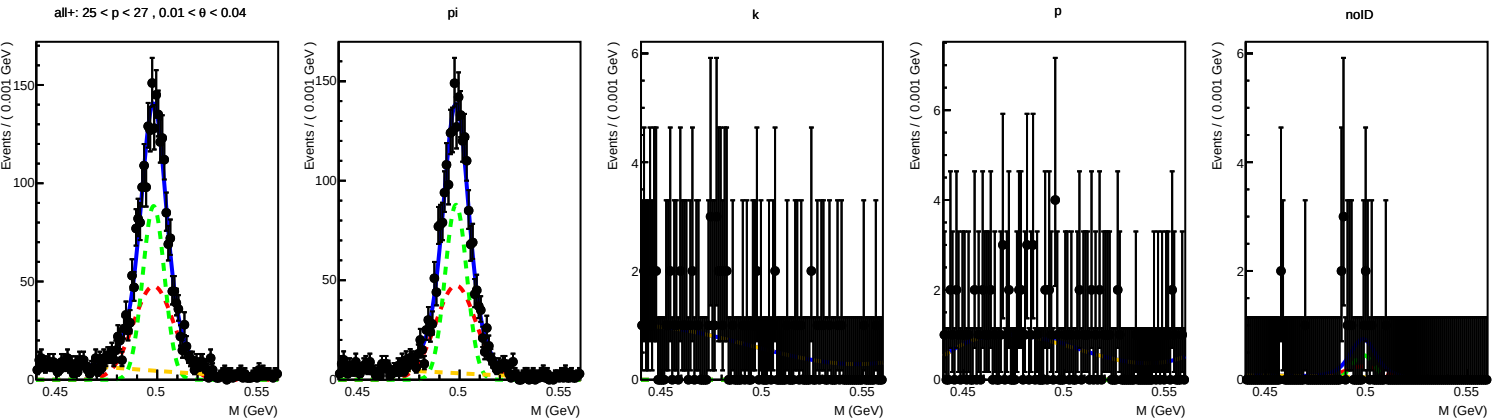

all+: 13 < p < 15 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

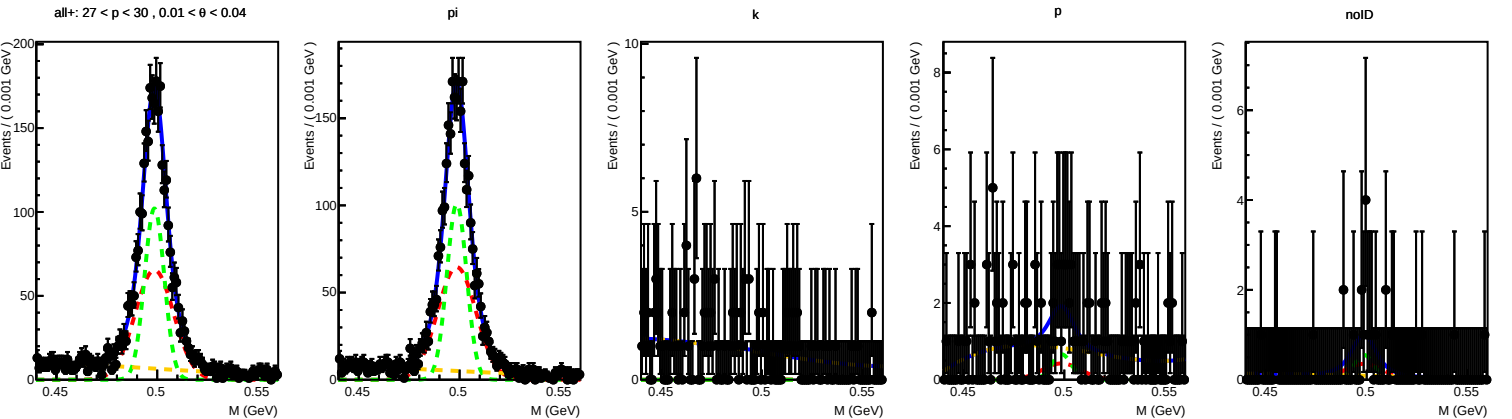

all+: 15 < p < 17 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

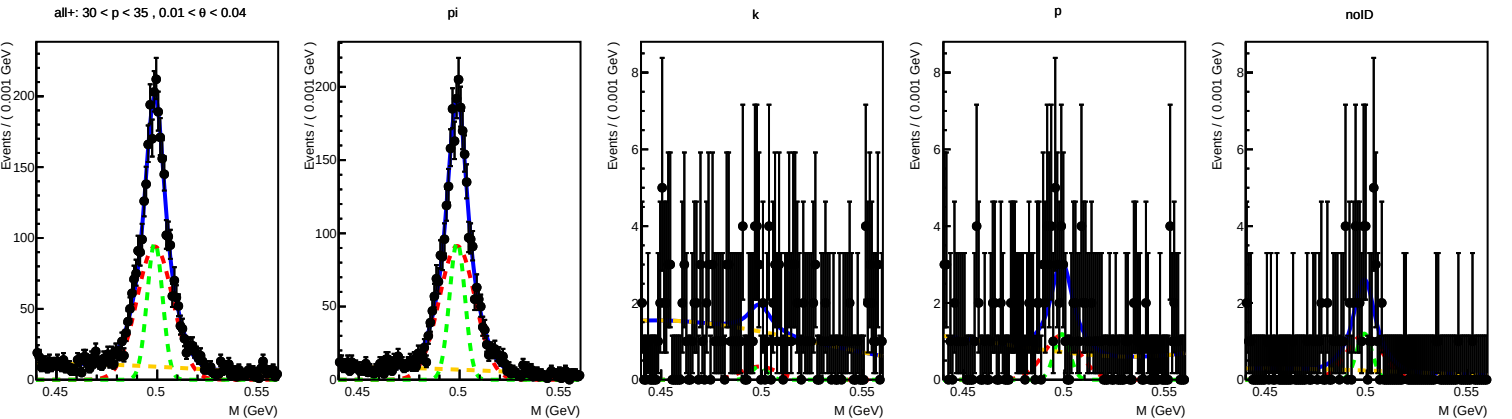

all+: 17 < p < 19 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

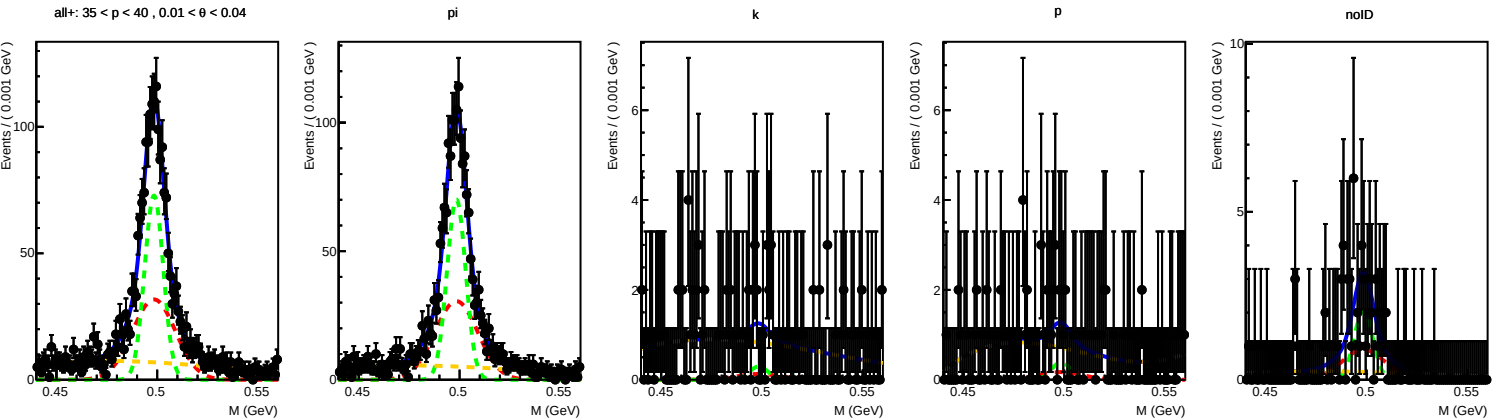

all+: 19 < p < 22 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

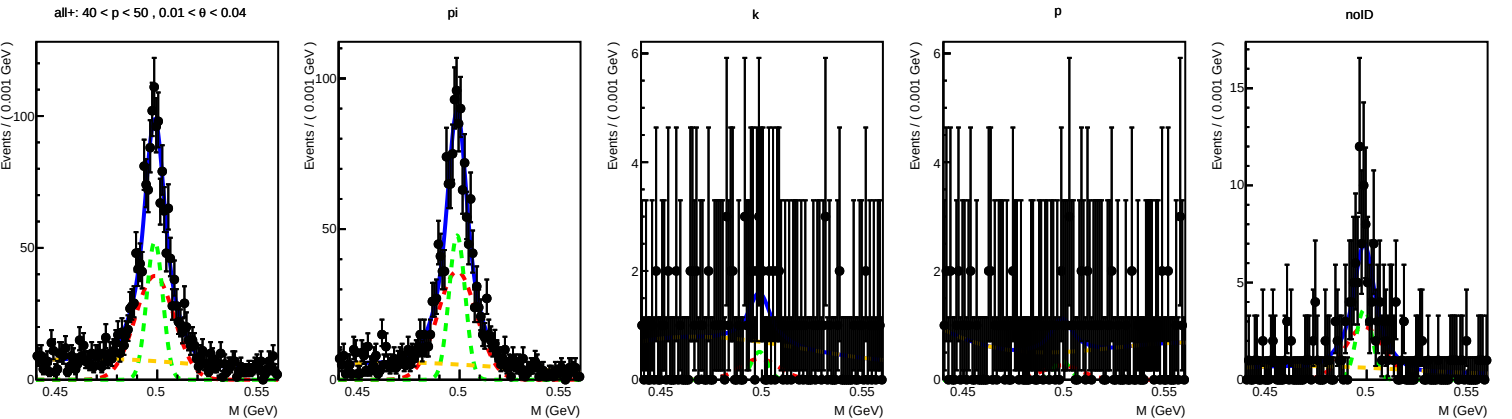

all+: 22 < p < 25 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0
100
200
300
2
4
6
8
0.45
0.5
0.55

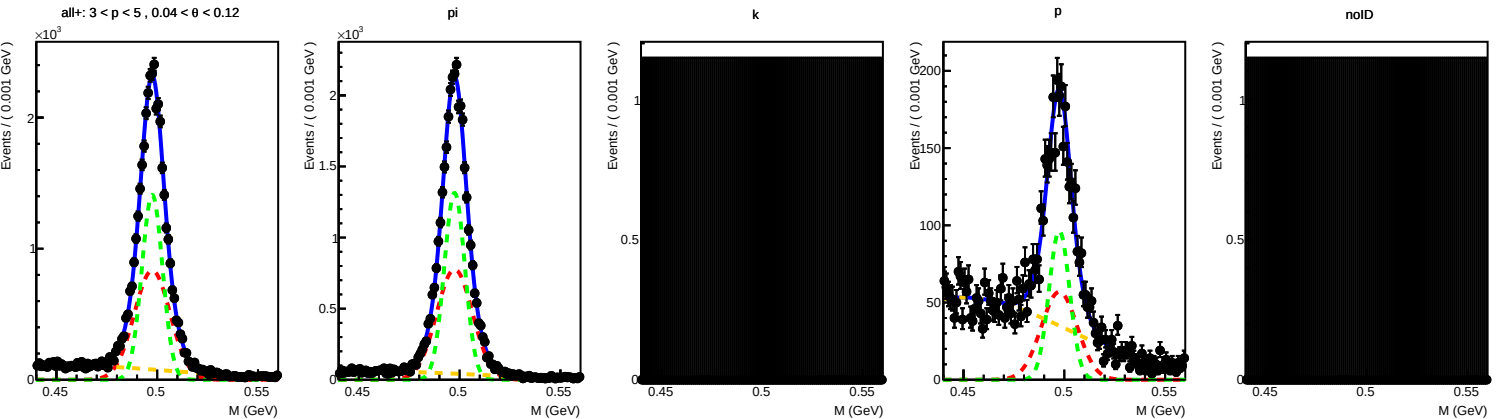

all+: 25 < p < 27 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0
50
100
150
2
4
6
0.45
0.5
0.55

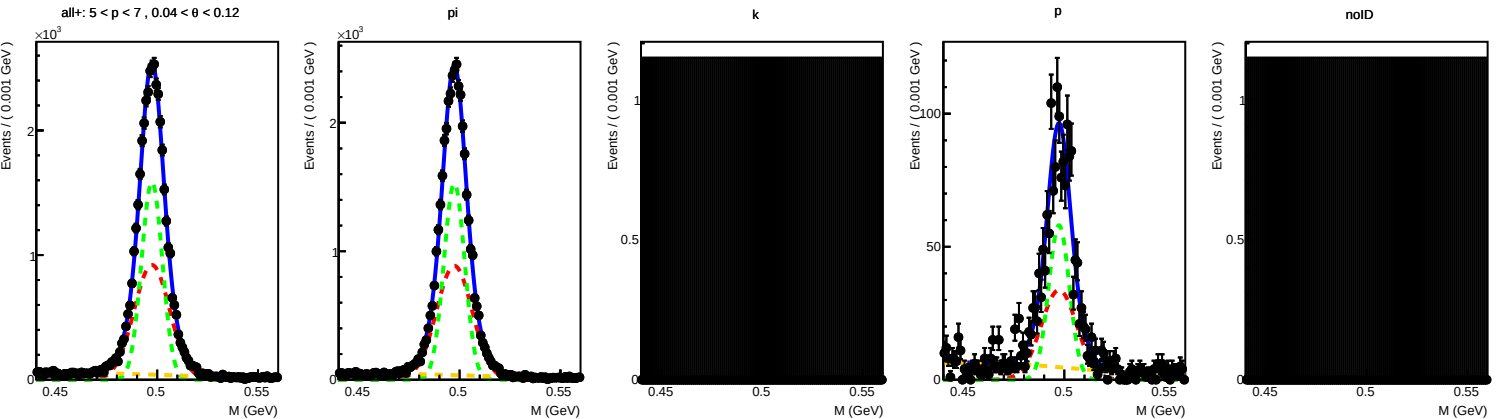

all+: 27 < p < 30 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

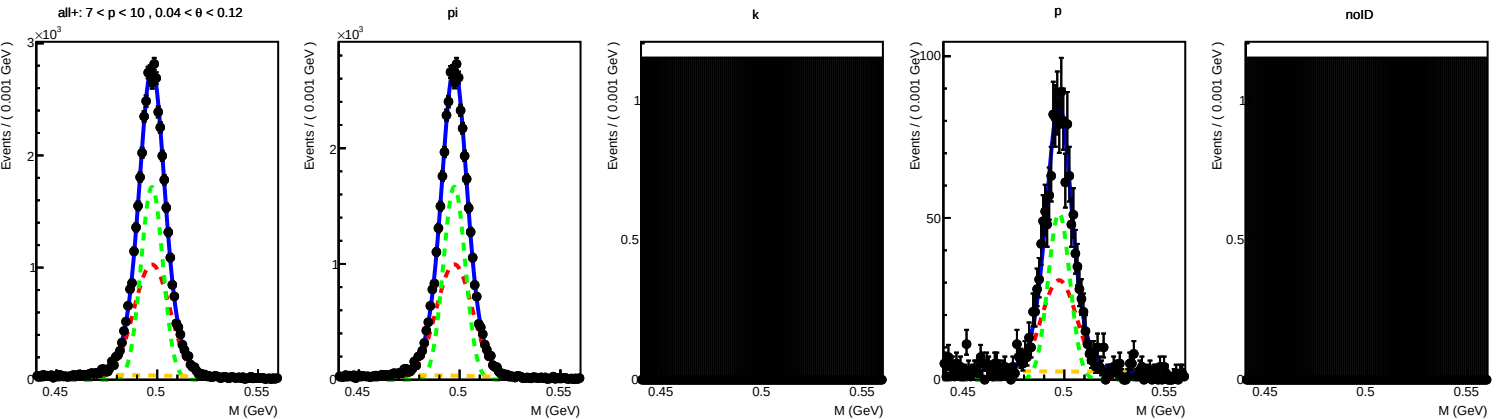

all+: 30 < p < 35 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

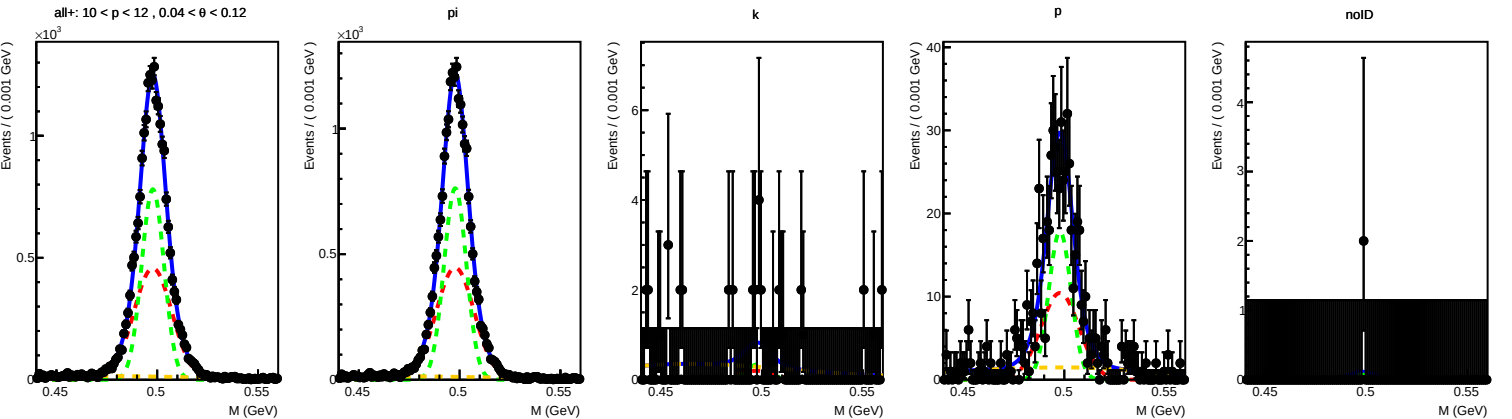

all+: 35 < p < 40 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
50
100
2
4
6
5
10

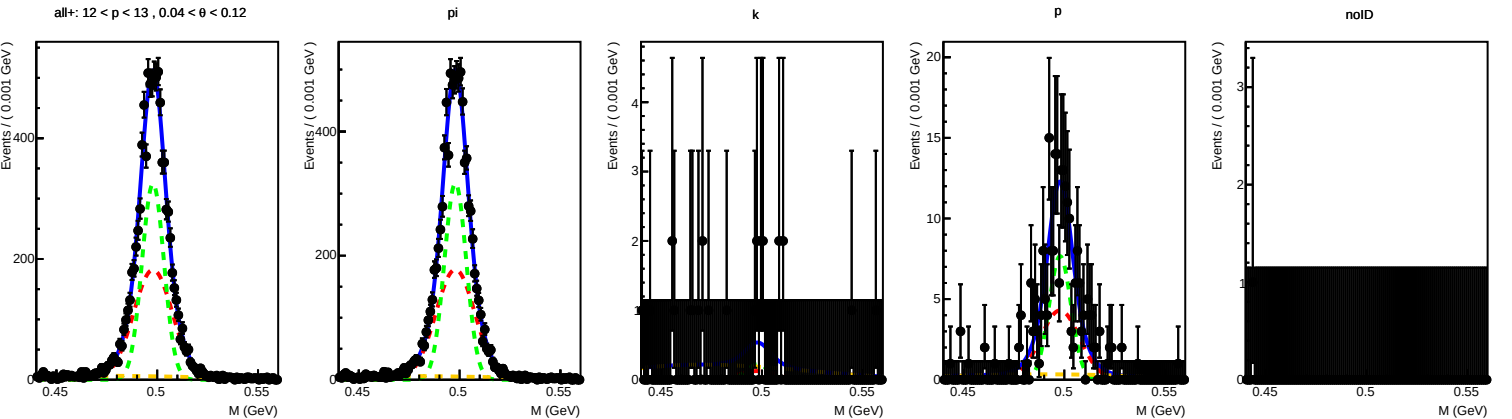

all+: 40 < p < 50 , 0.01 < θ < 0.04
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
50
100
2
4
6
5
10
15

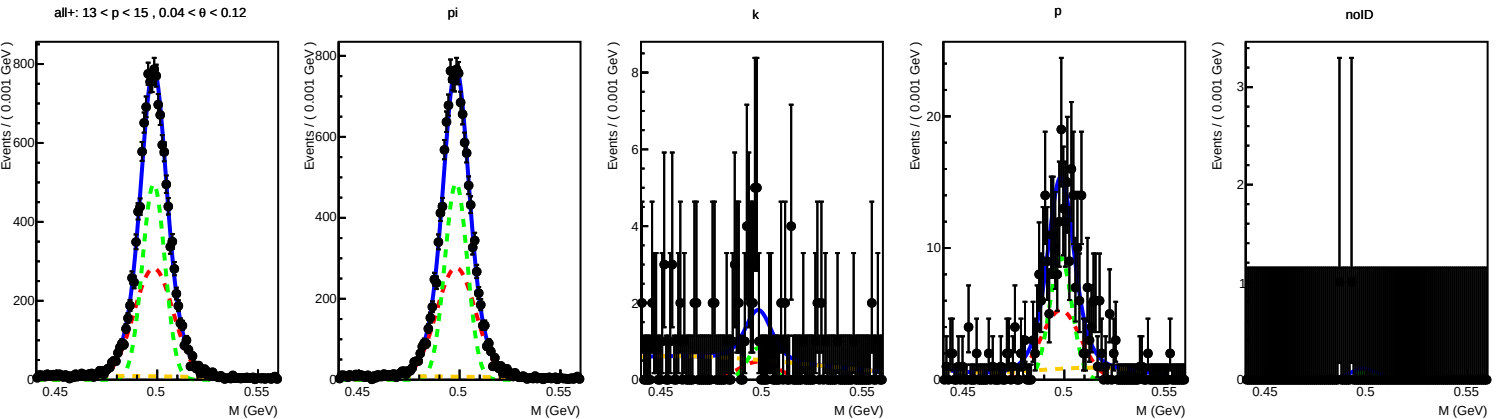

all+: 3 < p < 5 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
×10³
0.45
0.5
0.55

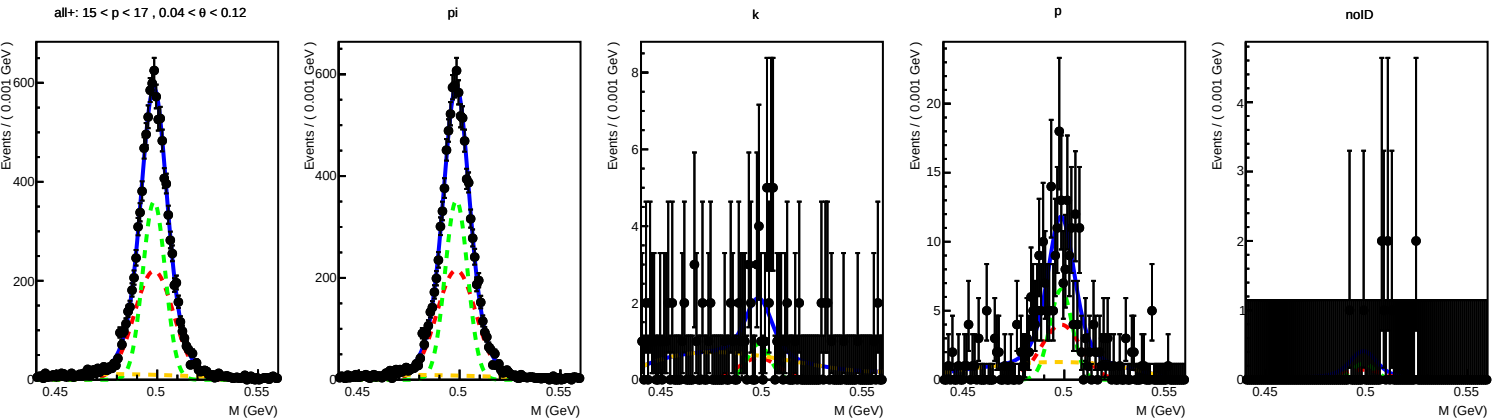

all+: 5 < p < 7 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
×10^3
M (GeV)
0.45
0.5
0.55

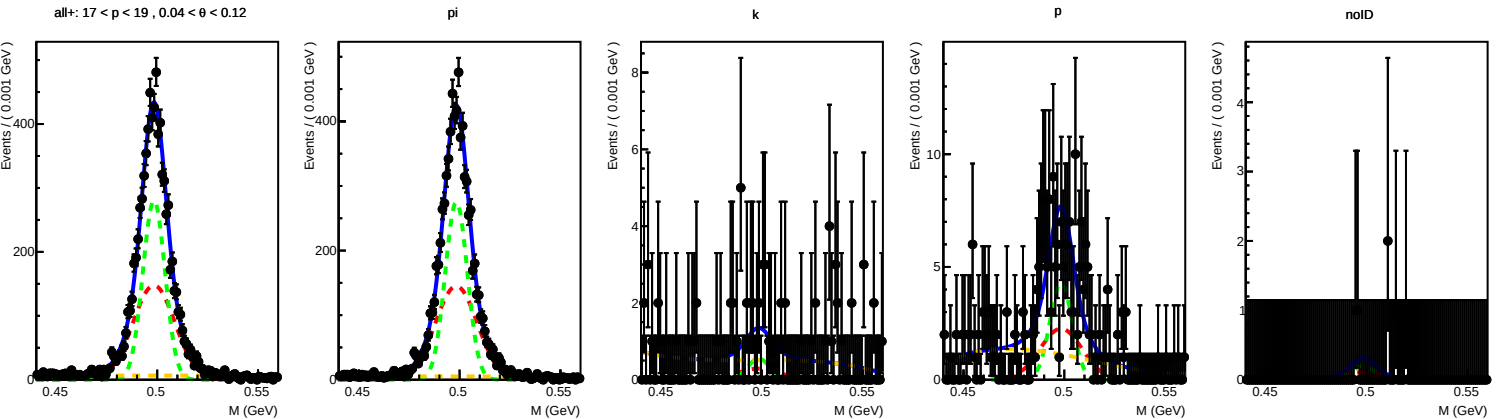

all+: 7 < p < 10 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
×10^3
M (GeV)
0.45
0.5
0.55

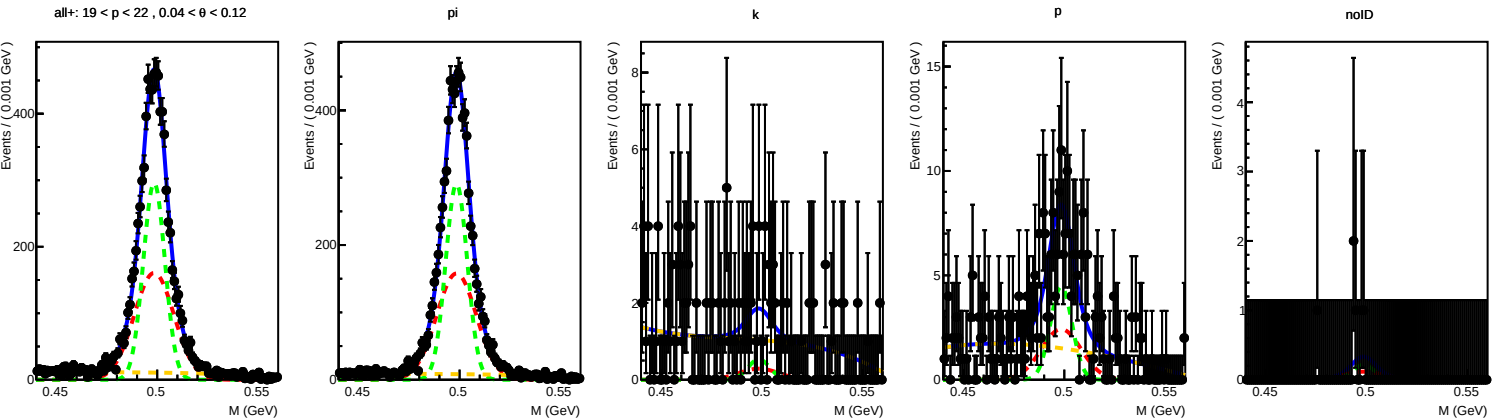

all+: 10 < p < 12 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
×10^3
M (GeV)
0.45
0.5
0.55

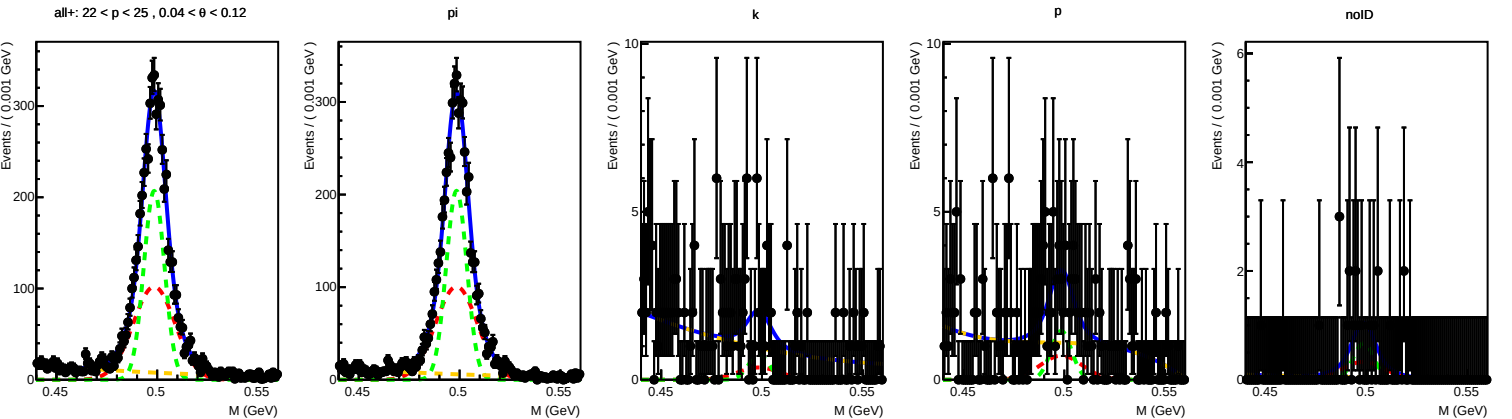

all+: 12 < p < 13 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
200
400
1
2
3
4
5
10
15
20

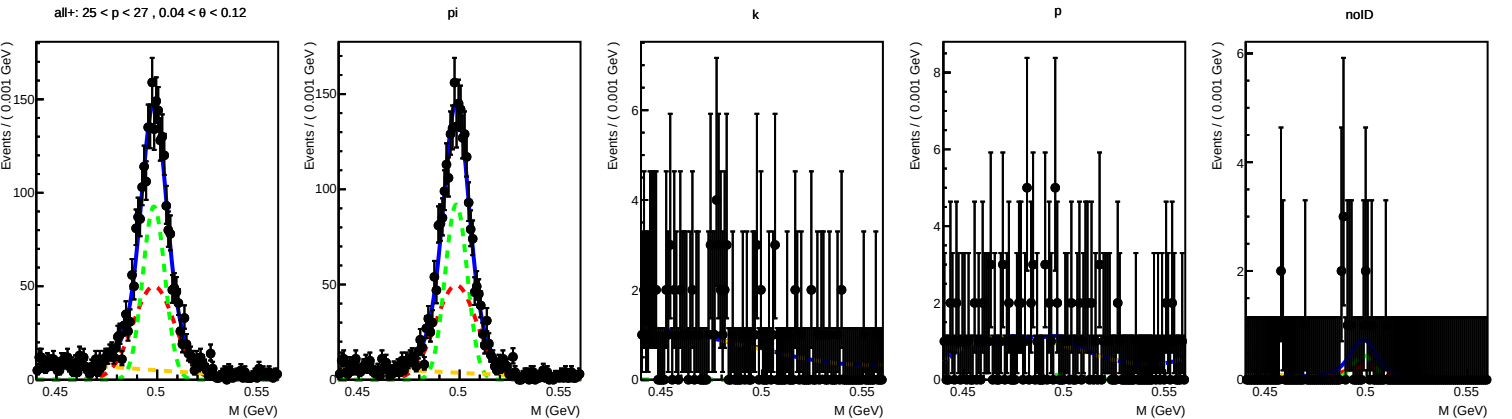

all+: 13 < p < 15 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

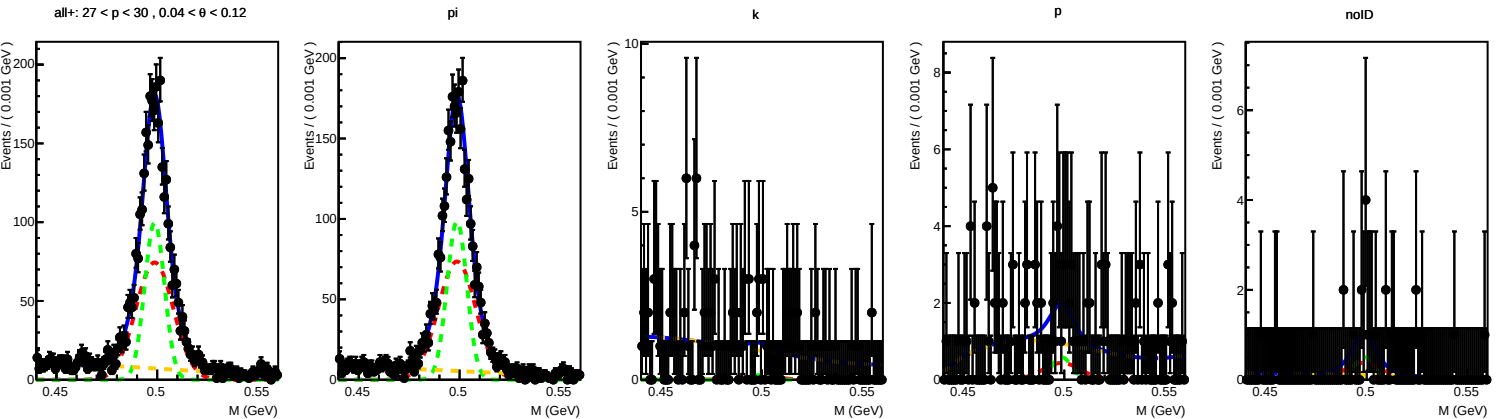

all+: 15 < p < 17 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

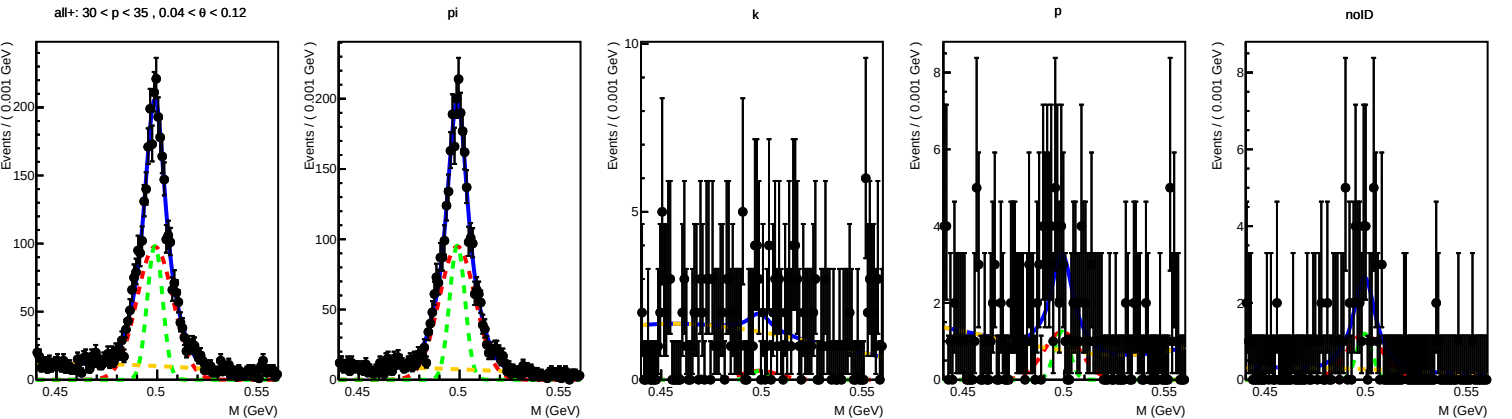

all+: 17 < p < 19 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

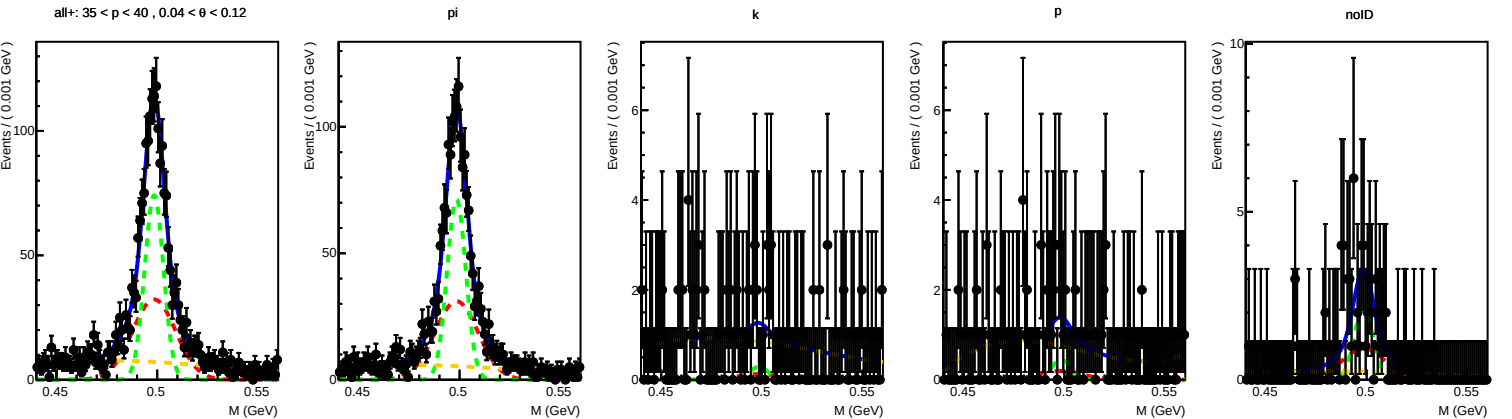

all+: 19 < p < 22 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

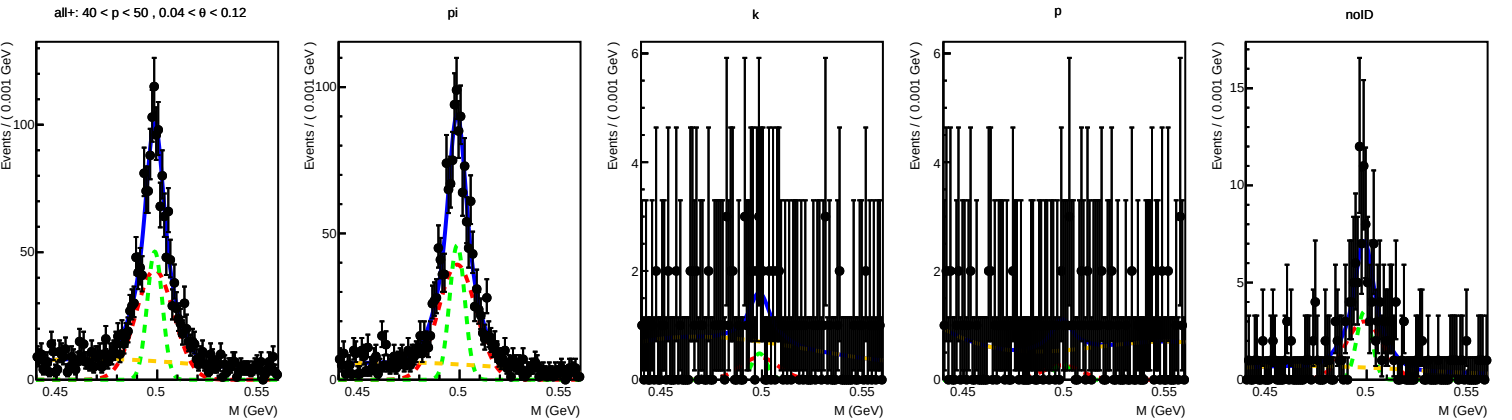

all+: 22 < p < 25 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
100
200
300
2
4
5
6
10

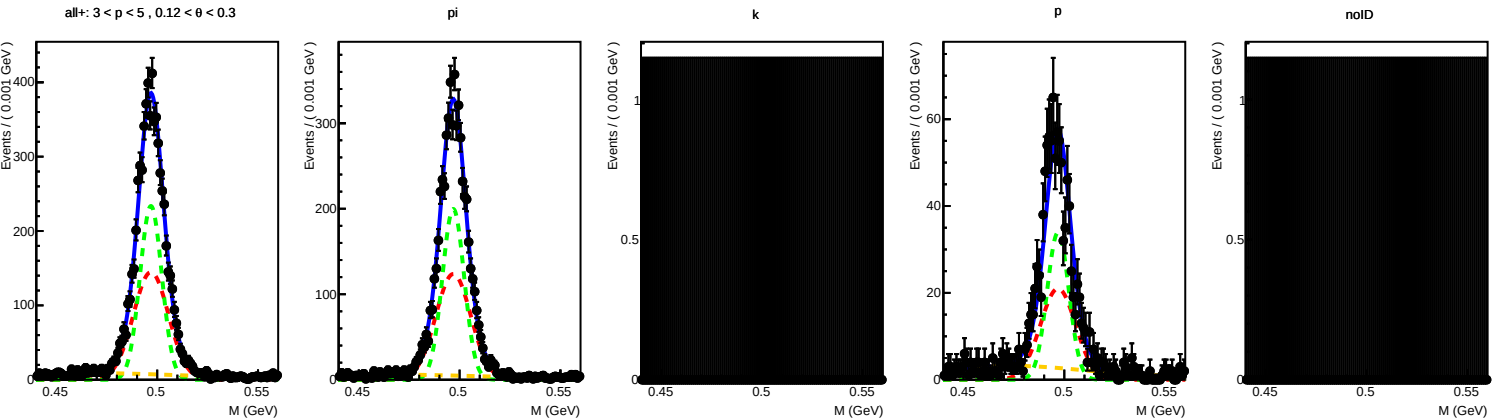

all+: 25 < p < 27 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

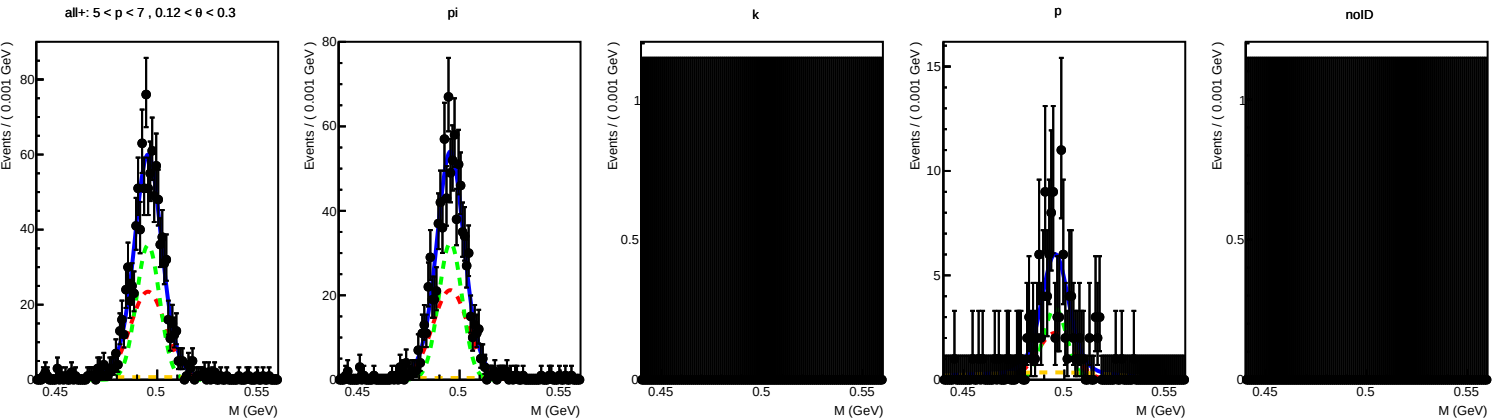

all+: 27 < p < 30 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

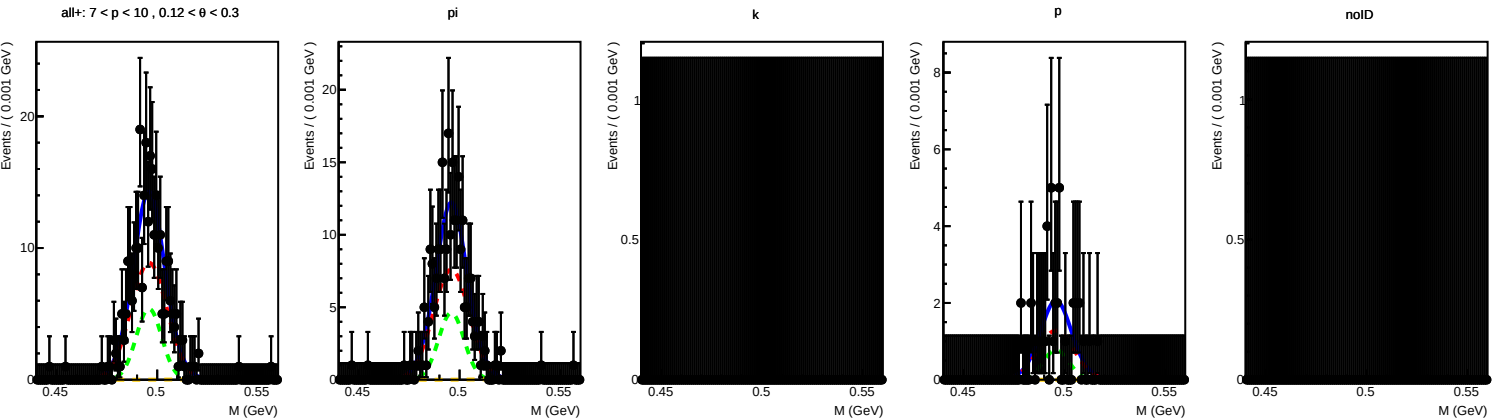

all+: 30 < p < 35 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55

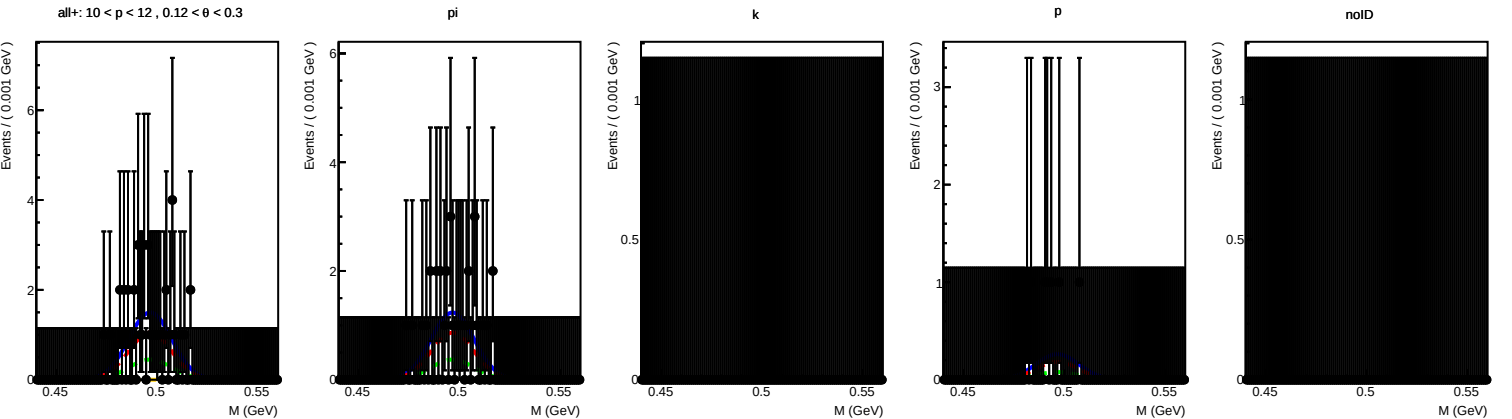

all+: 35 < p < 40 , 0.04 < θ < 0.12
pi
k
p
noID
Events / (0.001 GeV)
M (GeV)
0.45
0.5
0.55
0
50
100
2
4
6
5
10


all+: 40 < p < 50 , 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
400
20
40
60
0.5
1


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