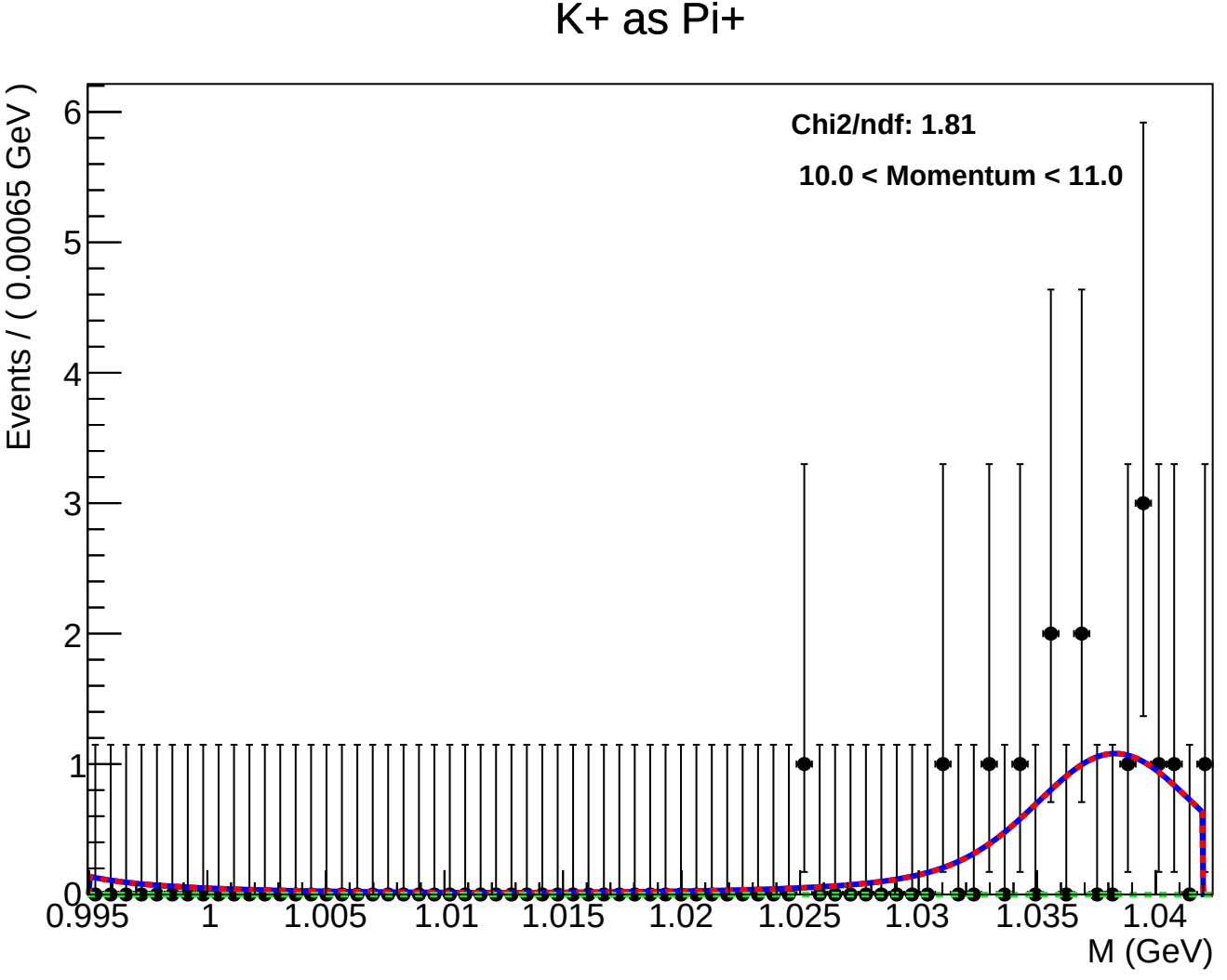
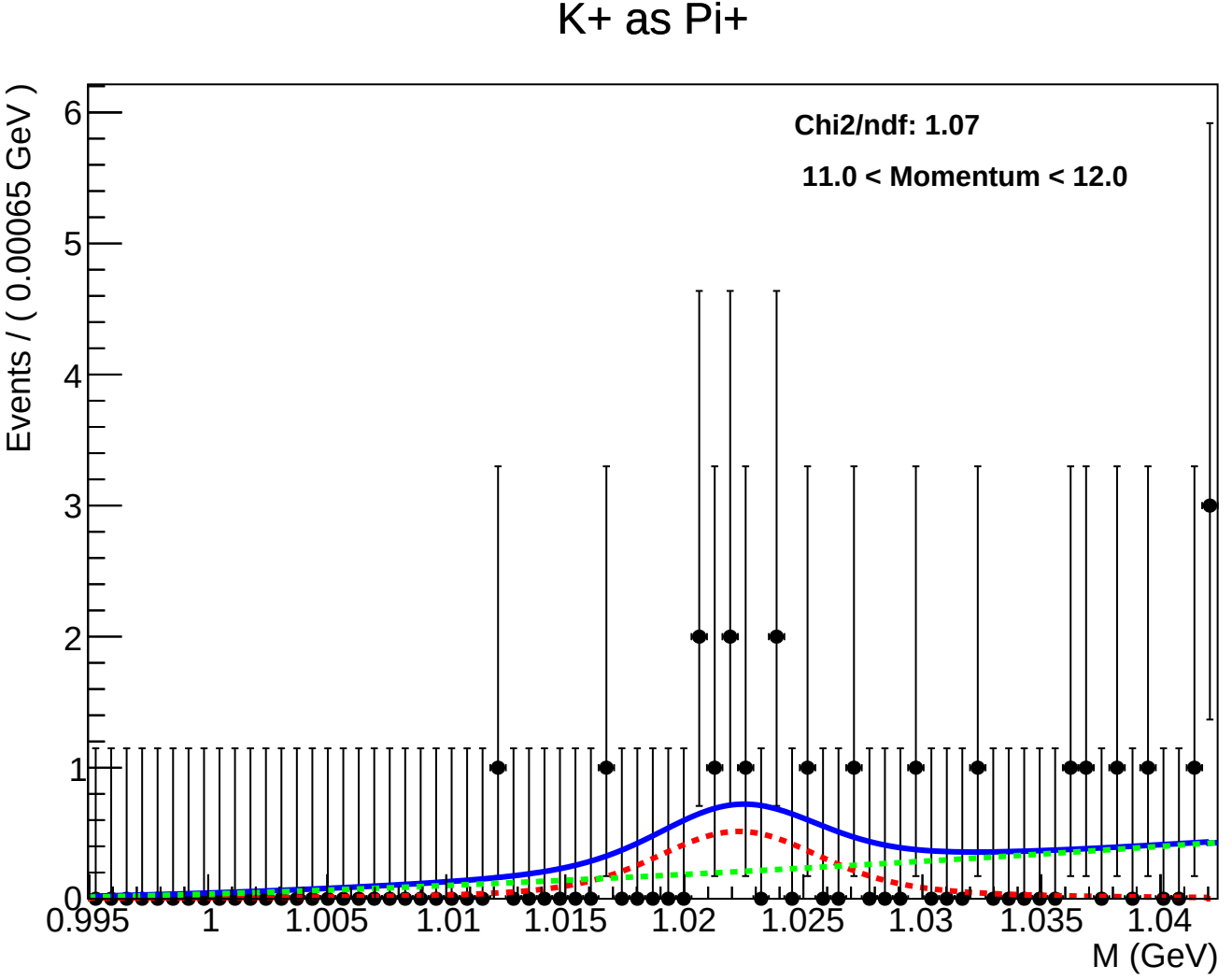
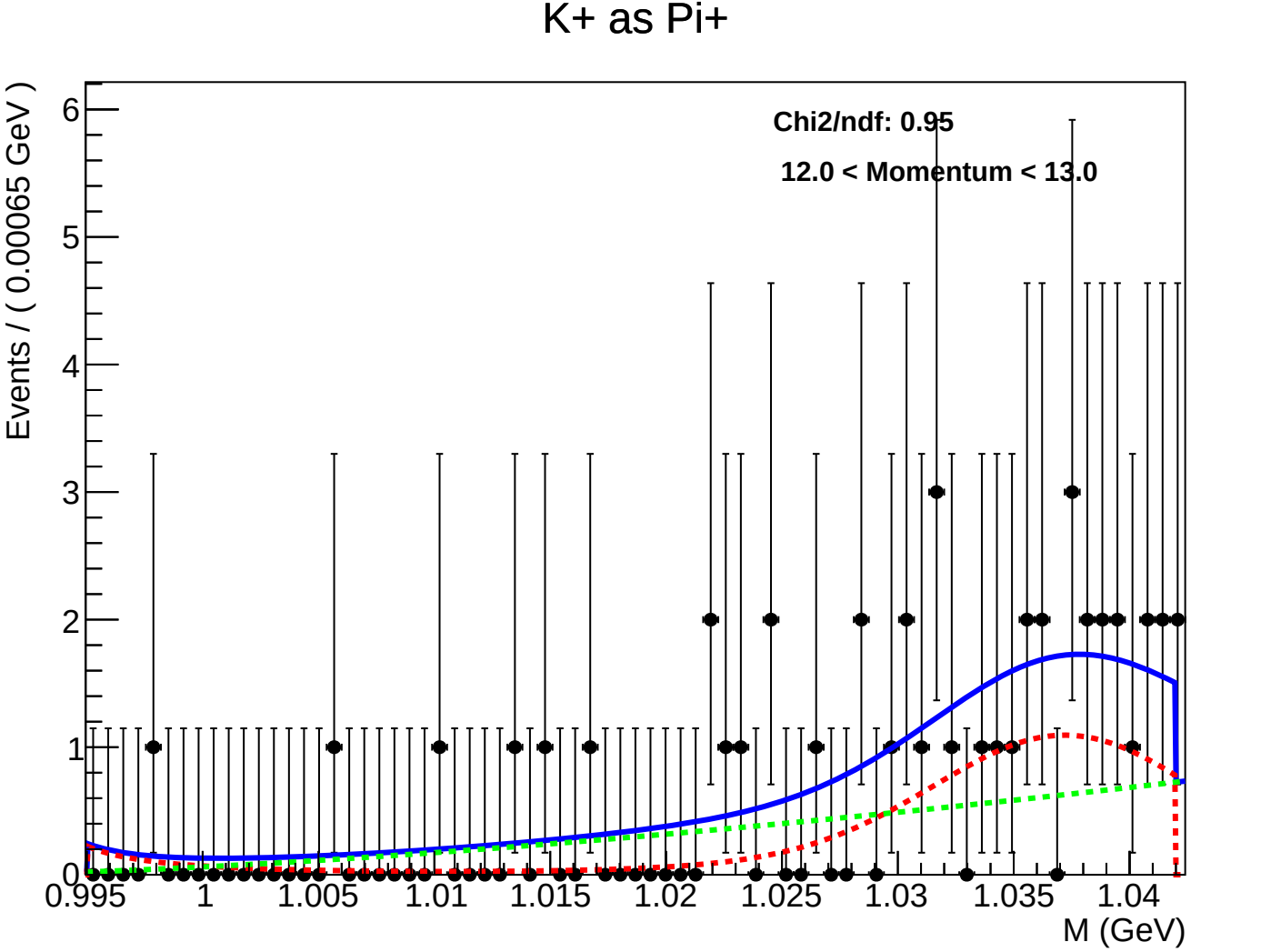
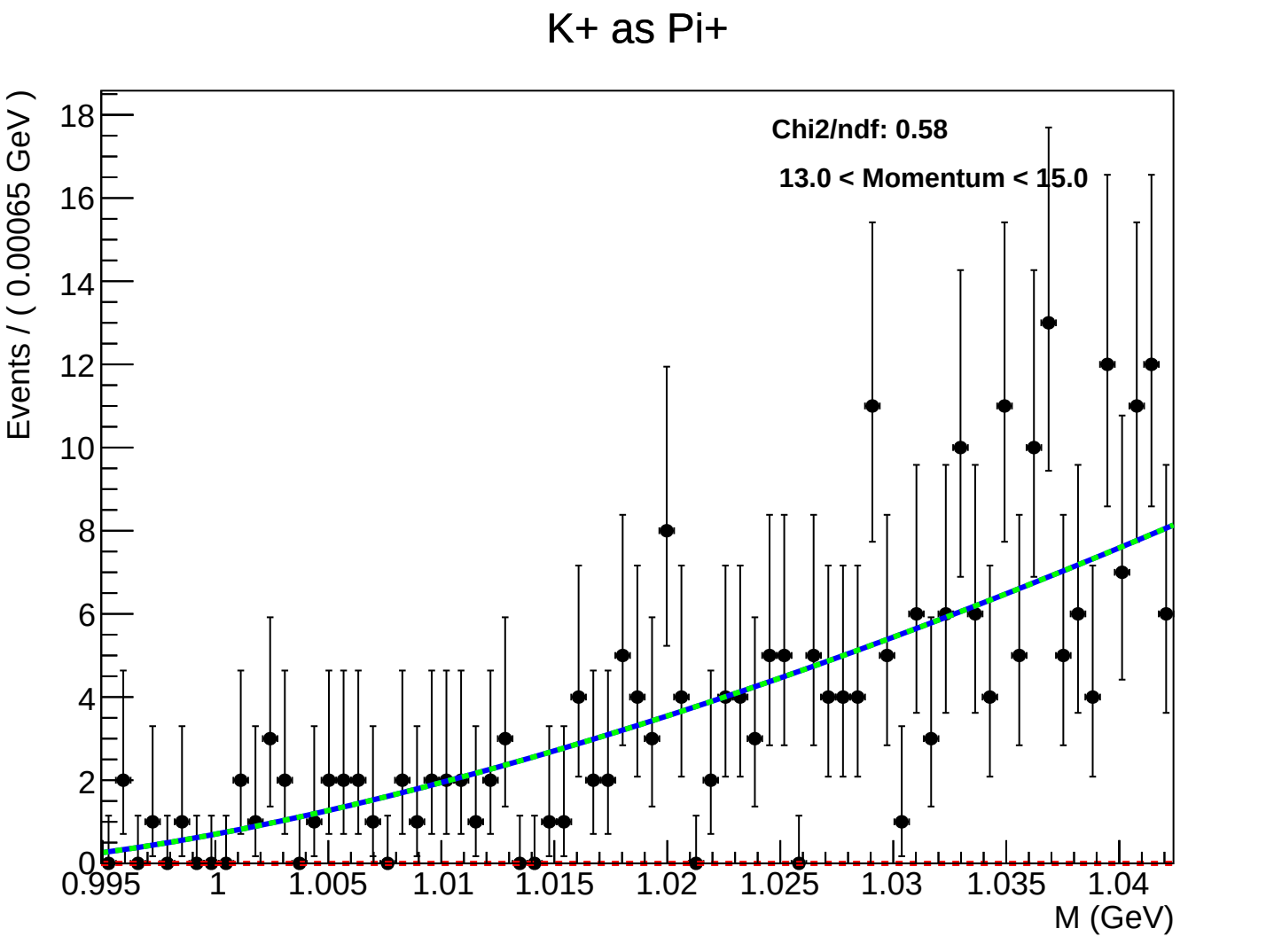
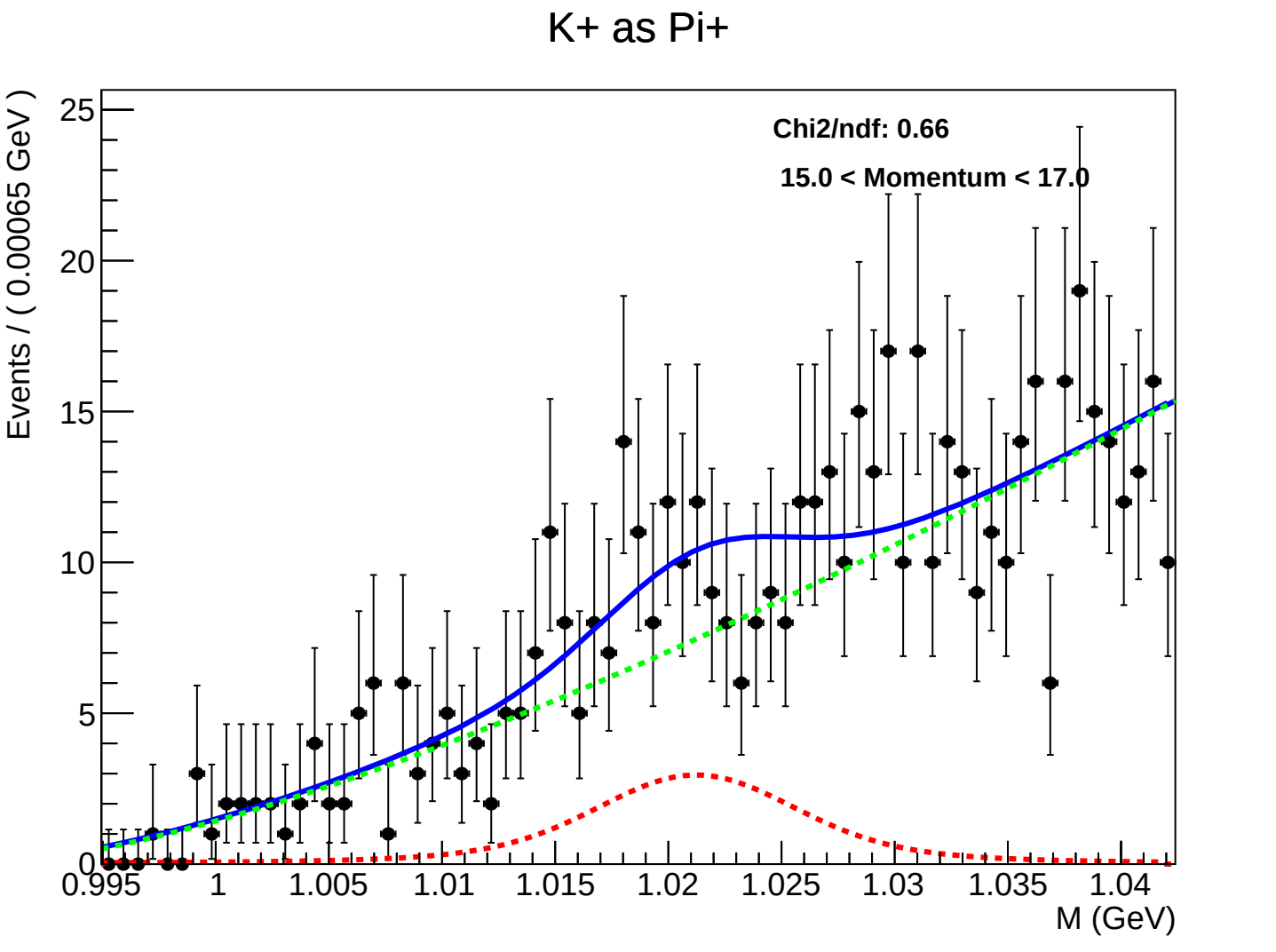
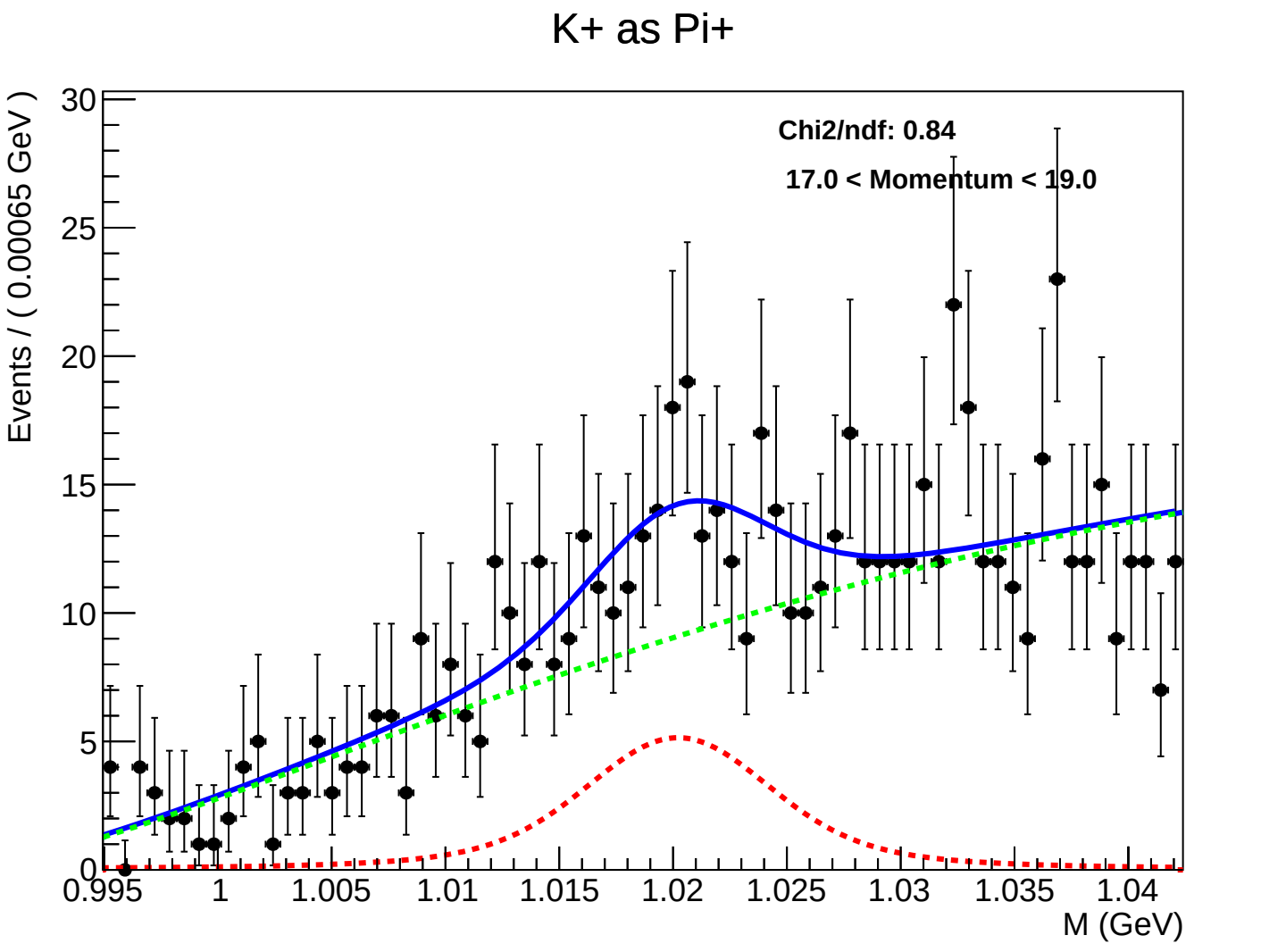

K+ as Pi+
Chi2/ndf: 1.81
10.0 < Momentum < 11.0
Events / (0.00065 GeV)
M (GeV)
0
1
2
3
4
5
6
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

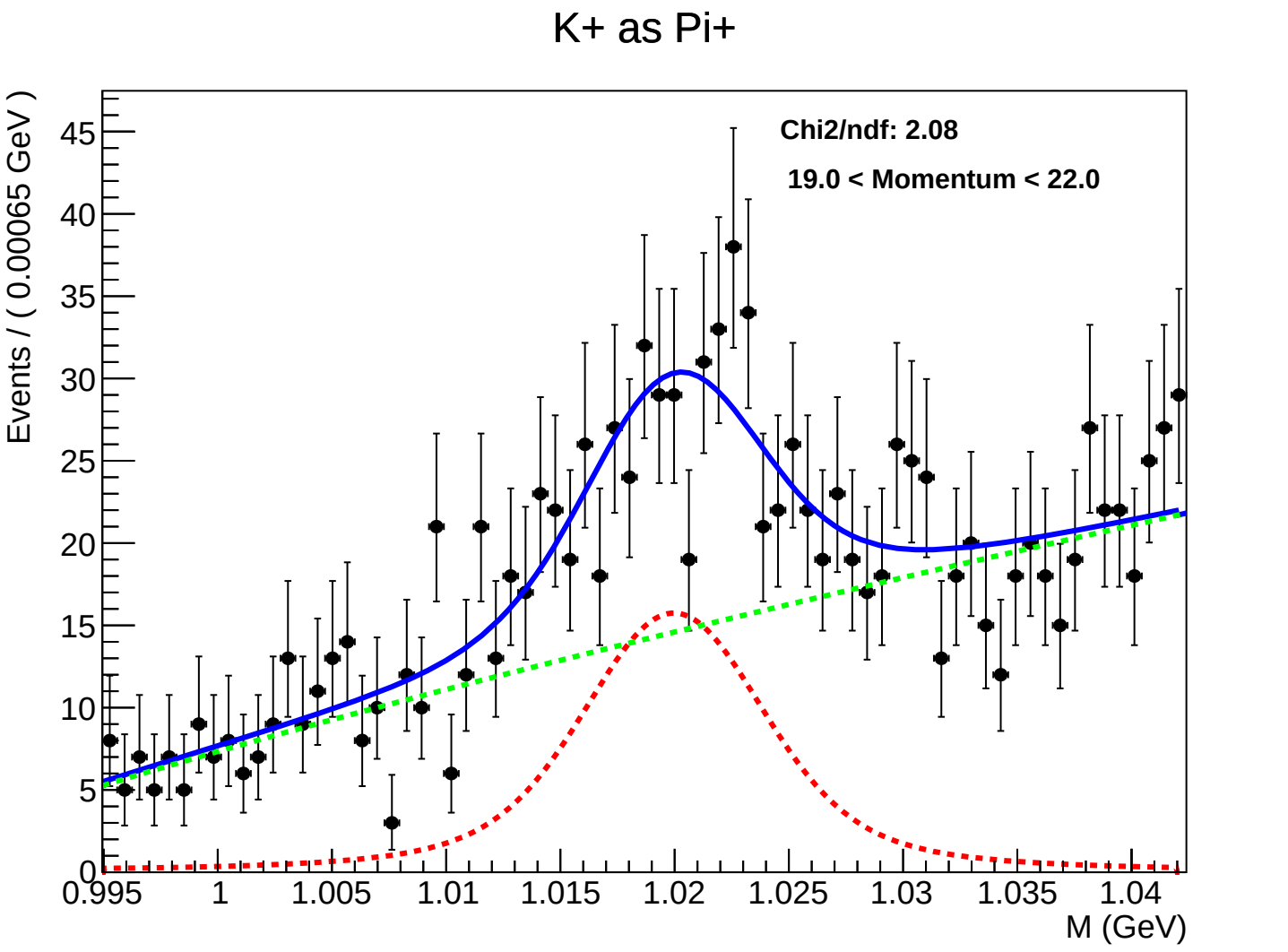

K+ as Pi+
Chi2/ndf: 1.07
11.0 < Momentum < 12.0
Events / (0.00065 GeV)
M (GeV)
0
1
2
3
4
5
6
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

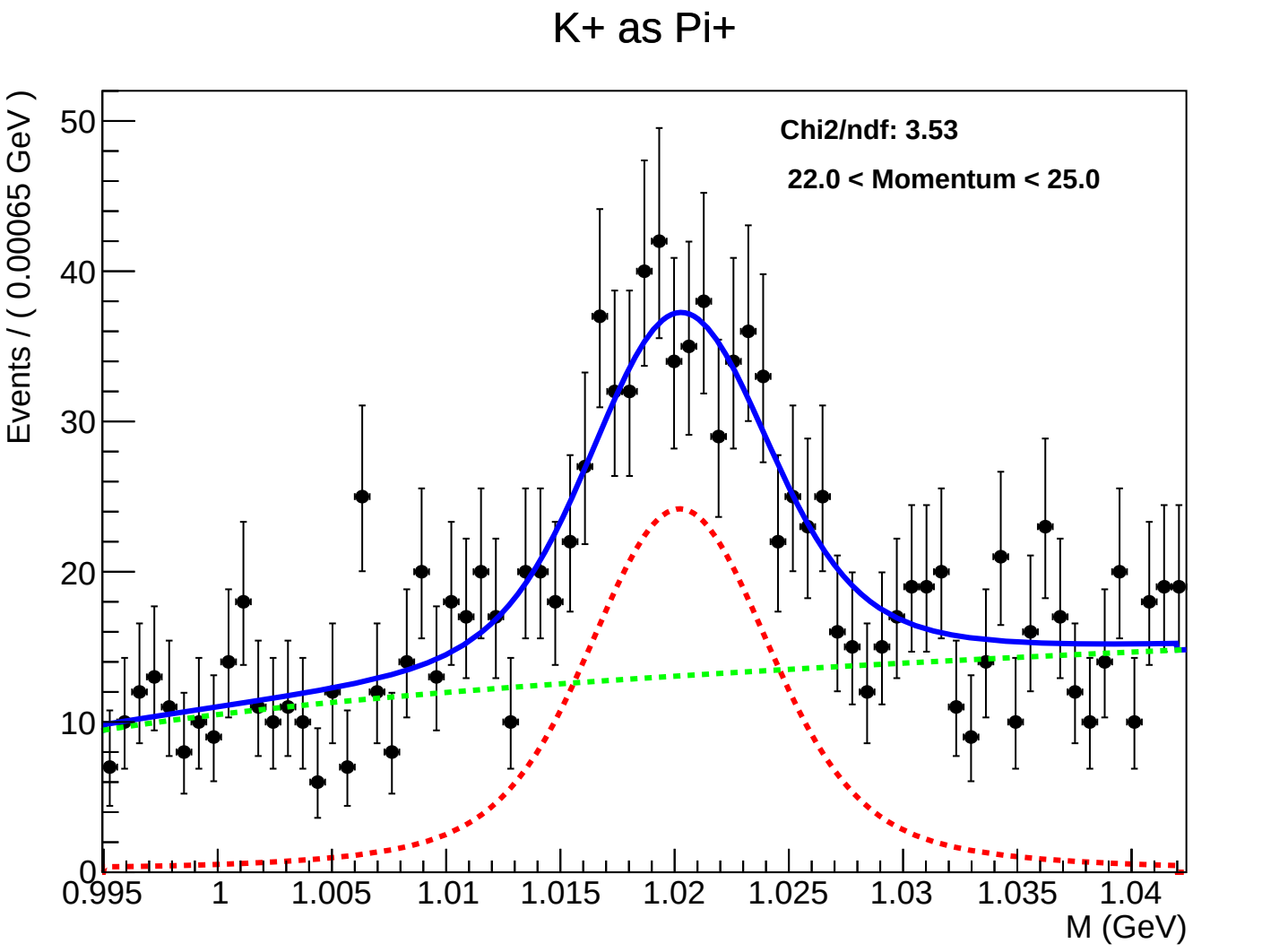

K+ as Pi+
Chi2/ndf: 0.95
12.0 < Momentum < 13.0
Events / (0.00065 GeV)
M (GeV)
0
1
2
3
4
5
6
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

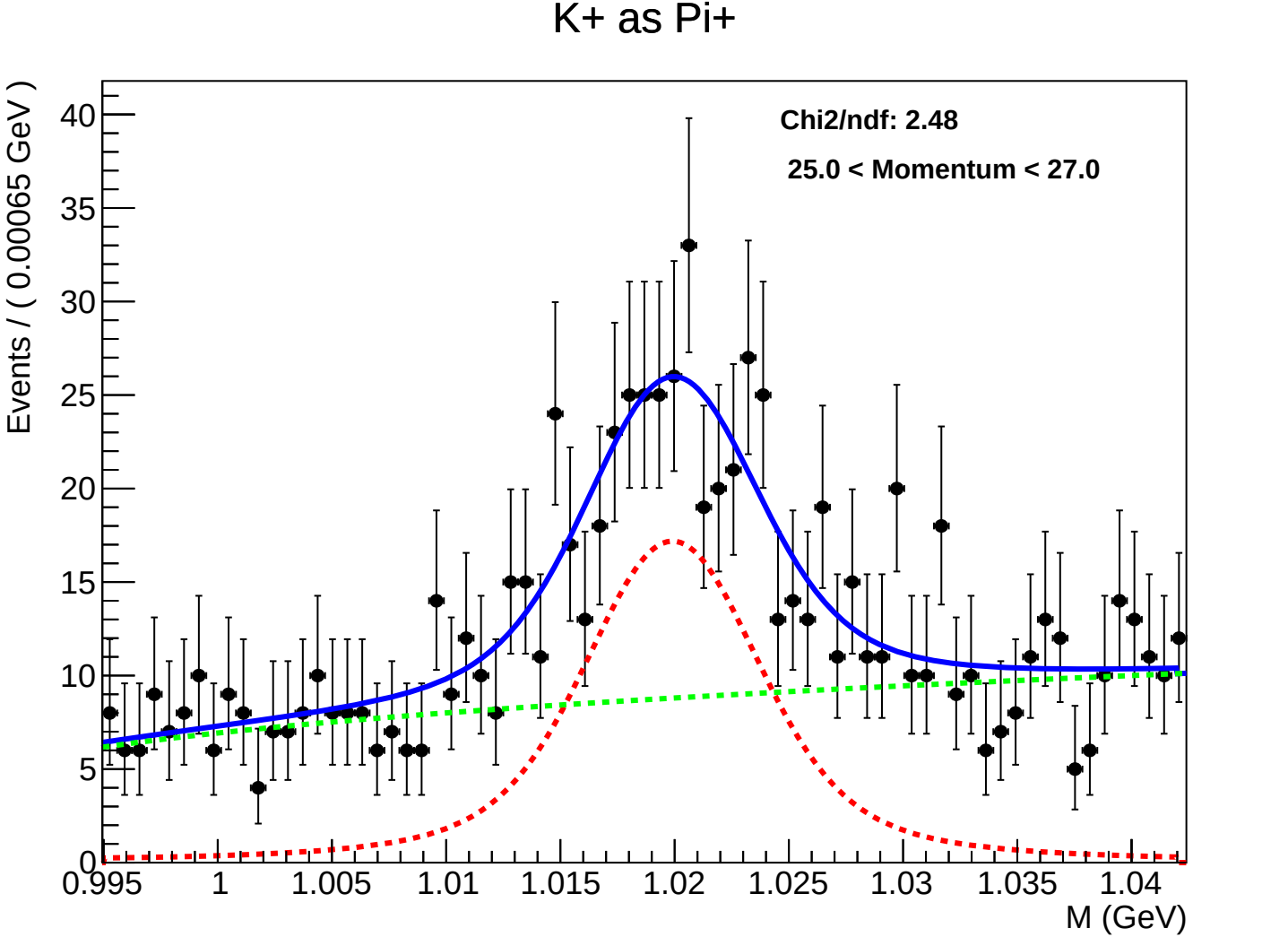

K+ as Pi+
Chi2/ndf: 0.58
13.0 < Momentum < 15.0
Events / (0.00065 GeV)
M (GeV)
0
2
4
6
8
10
12
14
16
18
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

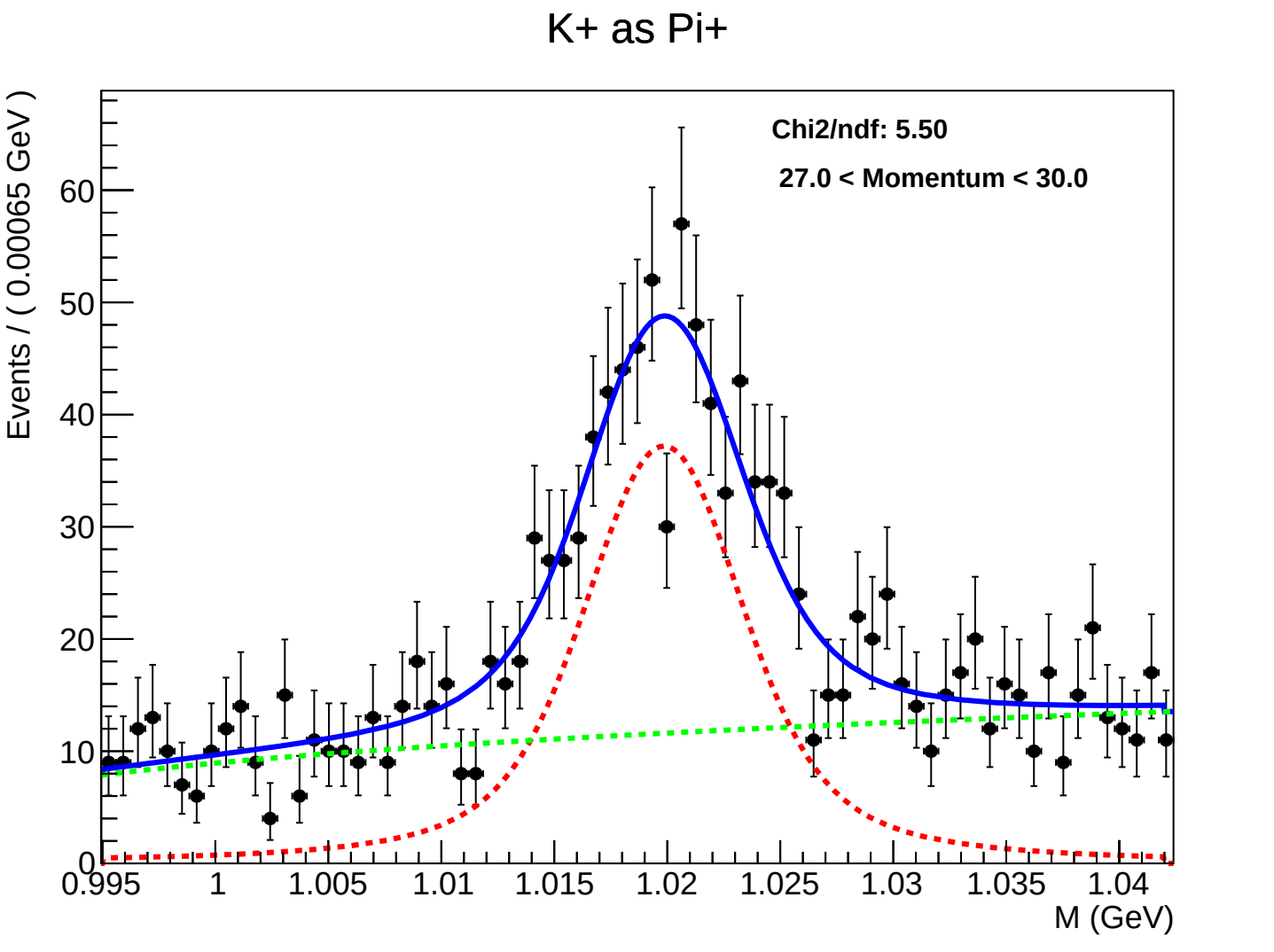

K+ as Pi+
Chi2/ndf: 0.66
15.0 < Momentum < 17.0
Events / (0.00065 GeV)
M (GeV)
0
5
10
15
20
25
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

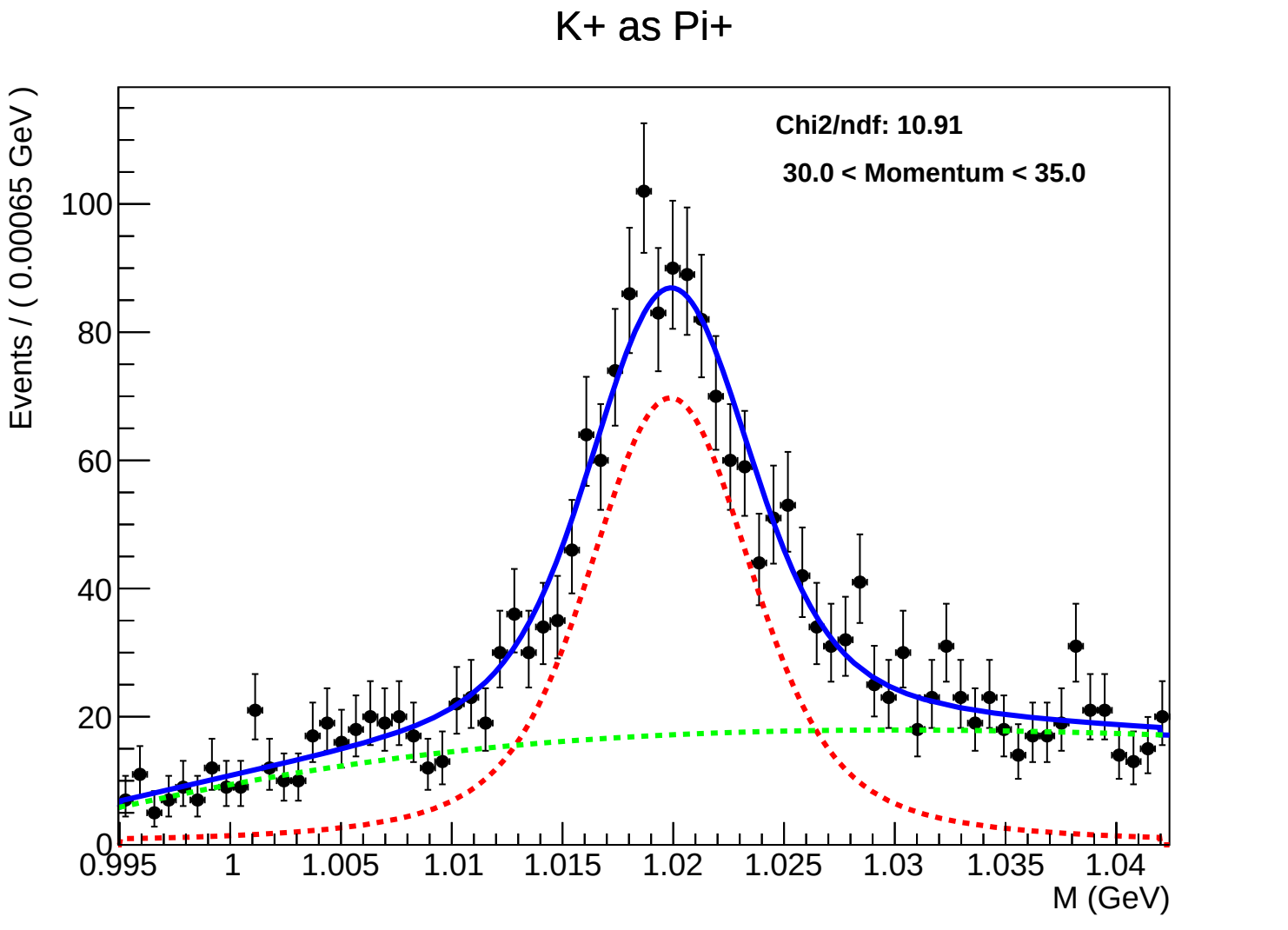

K+ as Pi+
Chi2/ndf: 0.84
17.0 < Momentum < 19.0
Events / (0.00065 GeV)
M (GeV)
0
5
10
15
20
25
30
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

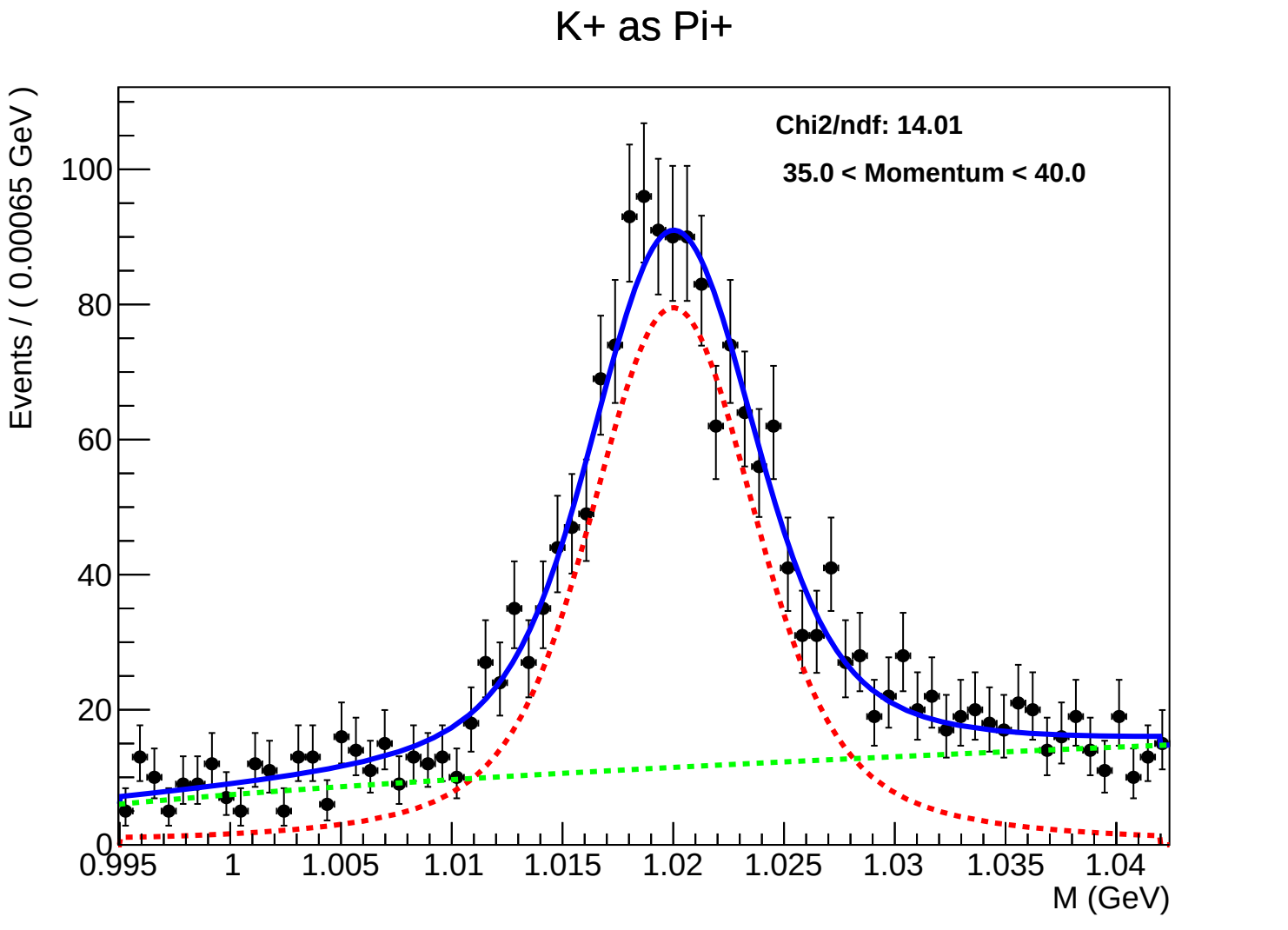

K+ as Pi+
Chi2/ndf: 2.08
19.0 < Momentum < 22.0
Events / (0.00065 GeV)
M (GeV)
0
5
10
15
20
25
30
35
40
45
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

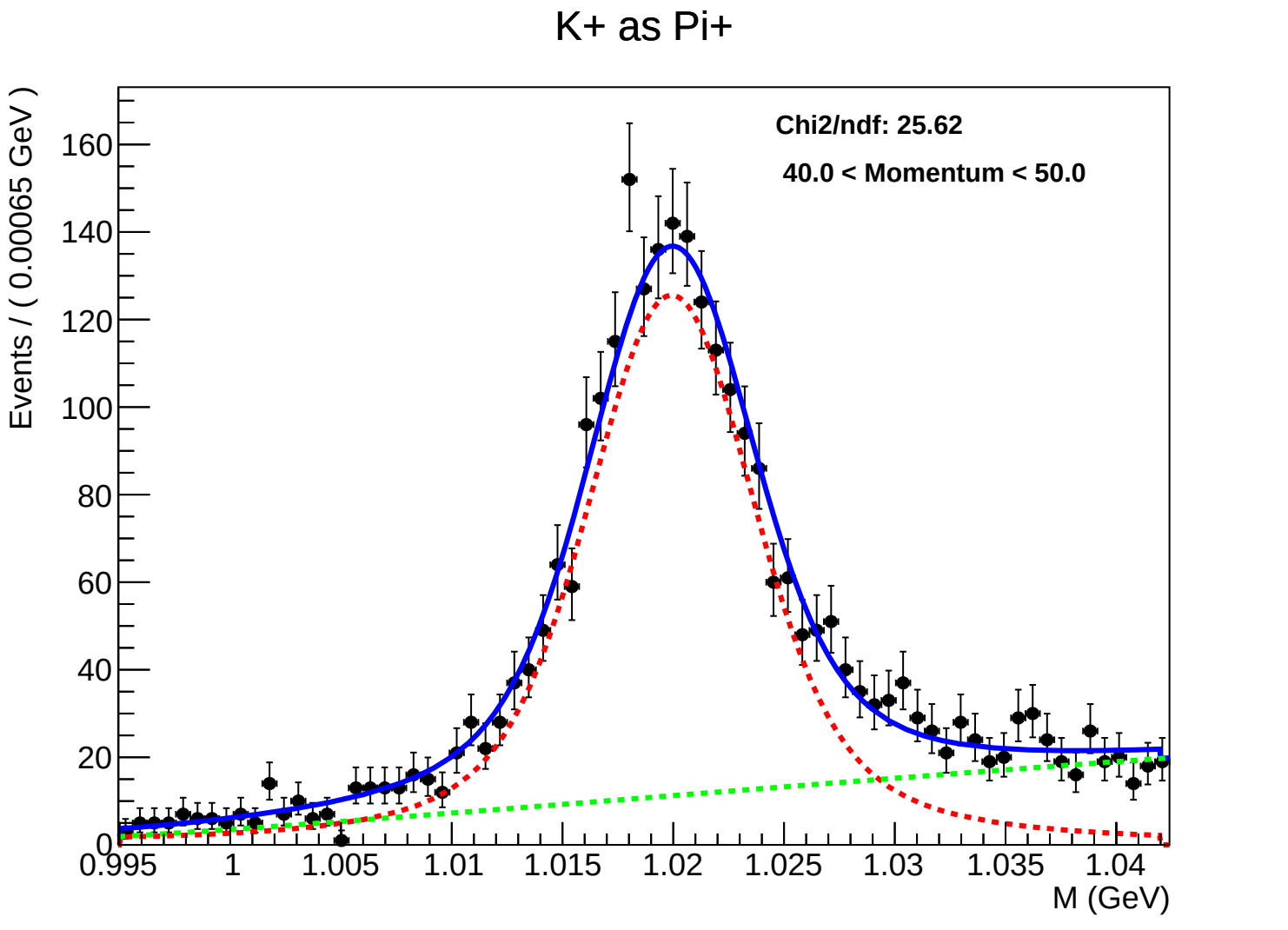

K+ as Pi+
Chi2/ndf: 3.53
22.0 < Momentum < 25.0
Events / (0.00065 GeV)
M (GeV)
0
10
20
30
40
50
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

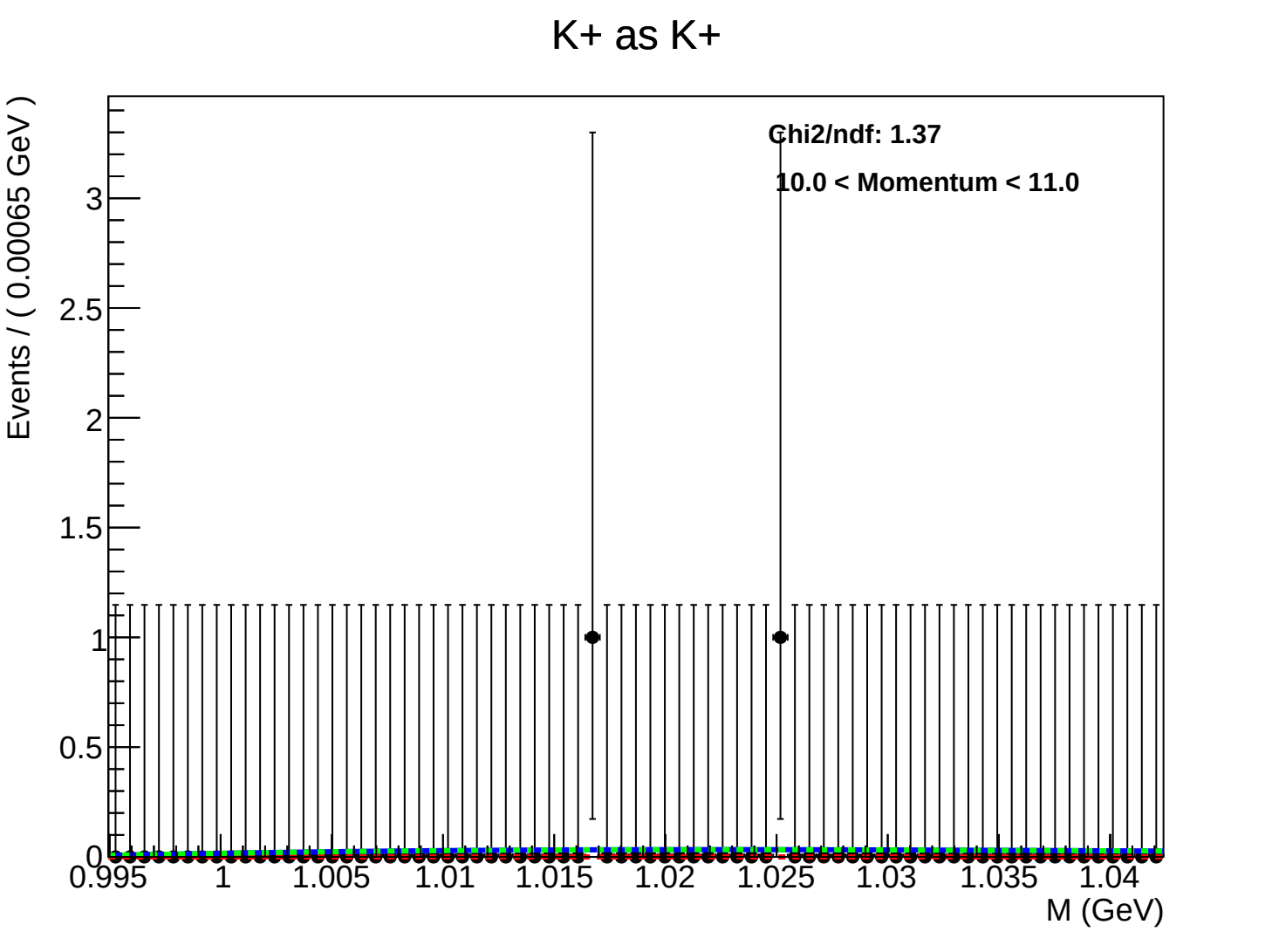

K+ as Pi+
Chi2/ndf: 2.48
25.0 < Momentum < 27.0
Events / (0.00065 GeV)
M (GeV)
0
5
10
15
20
25
30
35
40
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

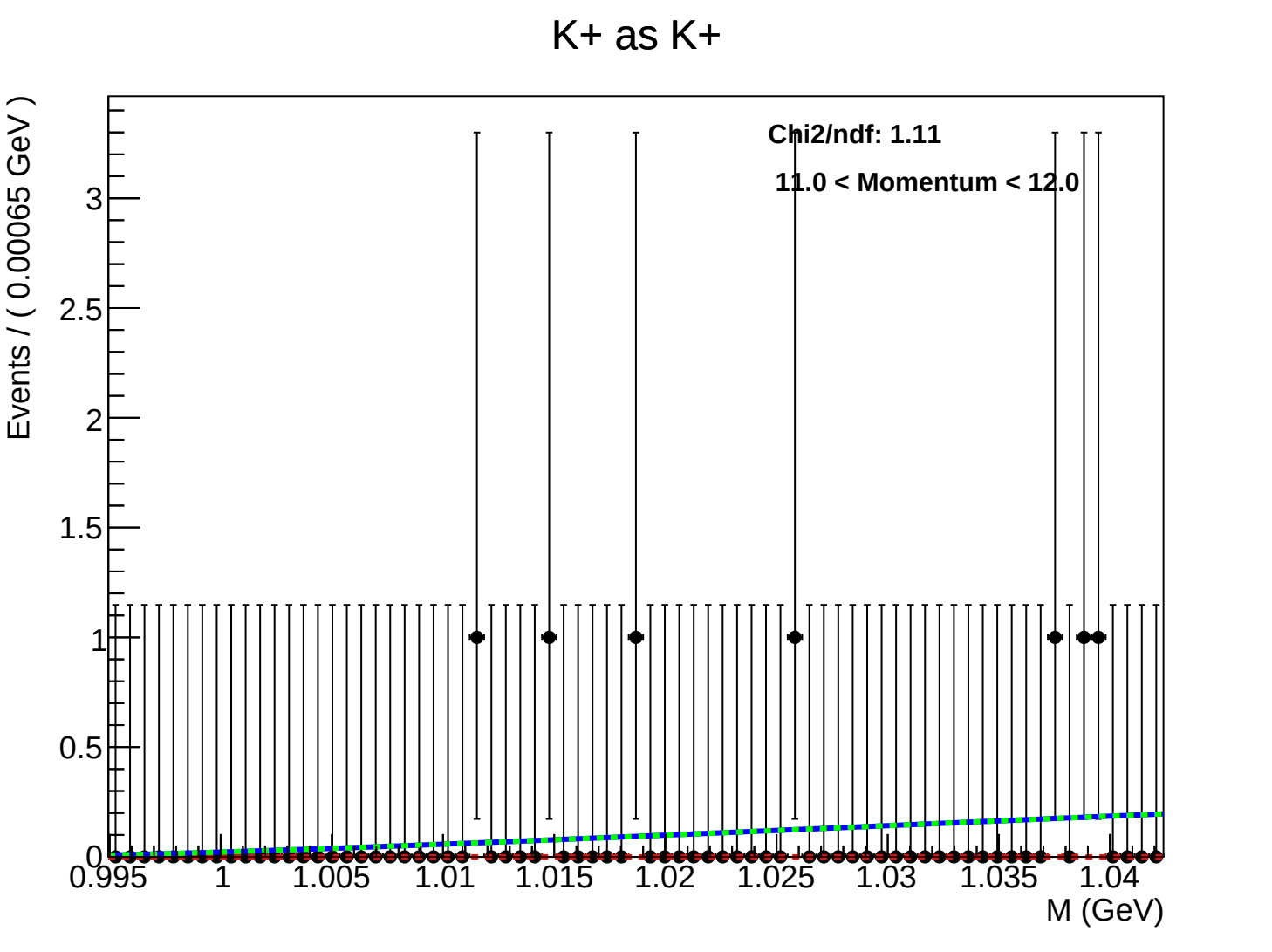

K+ as Pi+
Chi2/ndf: 5.50
27.0 < Momentum < 30.0
Events / (0.00065 GeV)
M (GeV)
0
10
20
30
40
50
60
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

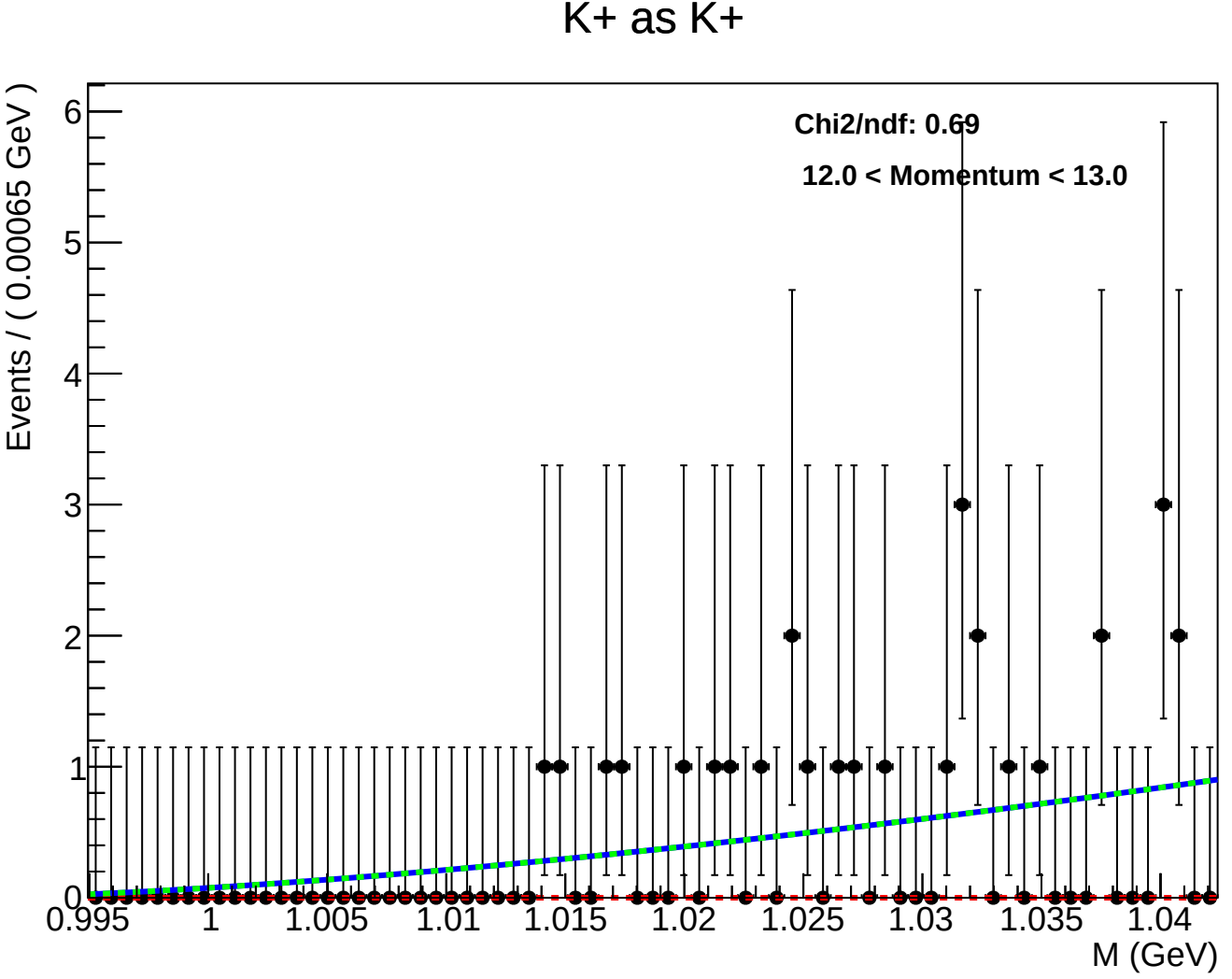

K+ as Pi+
Chi2/ndf: 10.91
30.0 < Momentum < 35.0
Events / (0.00065 GeV)
M (GeV)
0
20
40
60
80
100
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

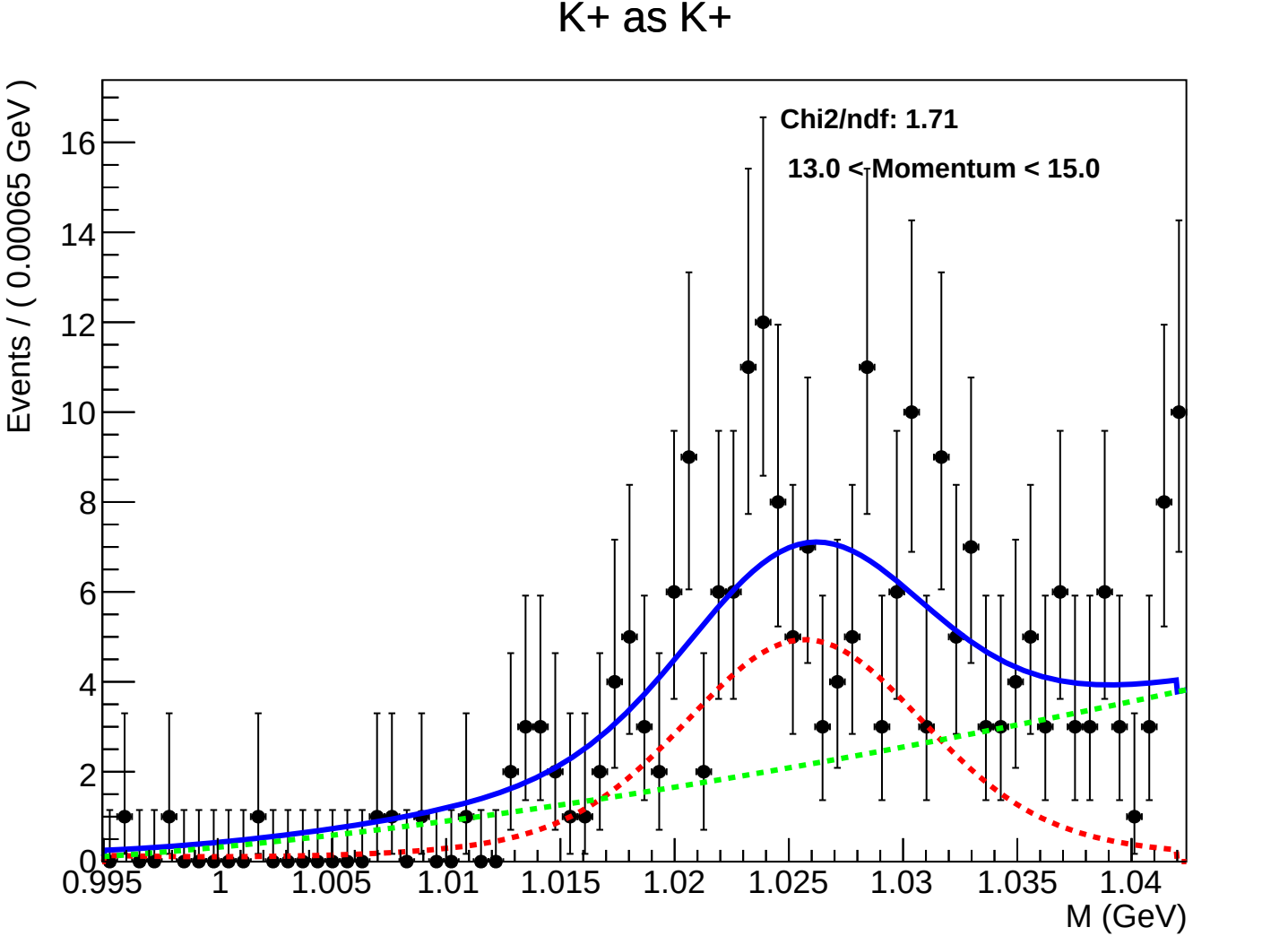

K+ as Pi+
Chi2/ndf: 14.01
35.0 < Momentum < 40.0
Events / (0.00065 GeV)
M (GeV)
0
20
40
60
80
100
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

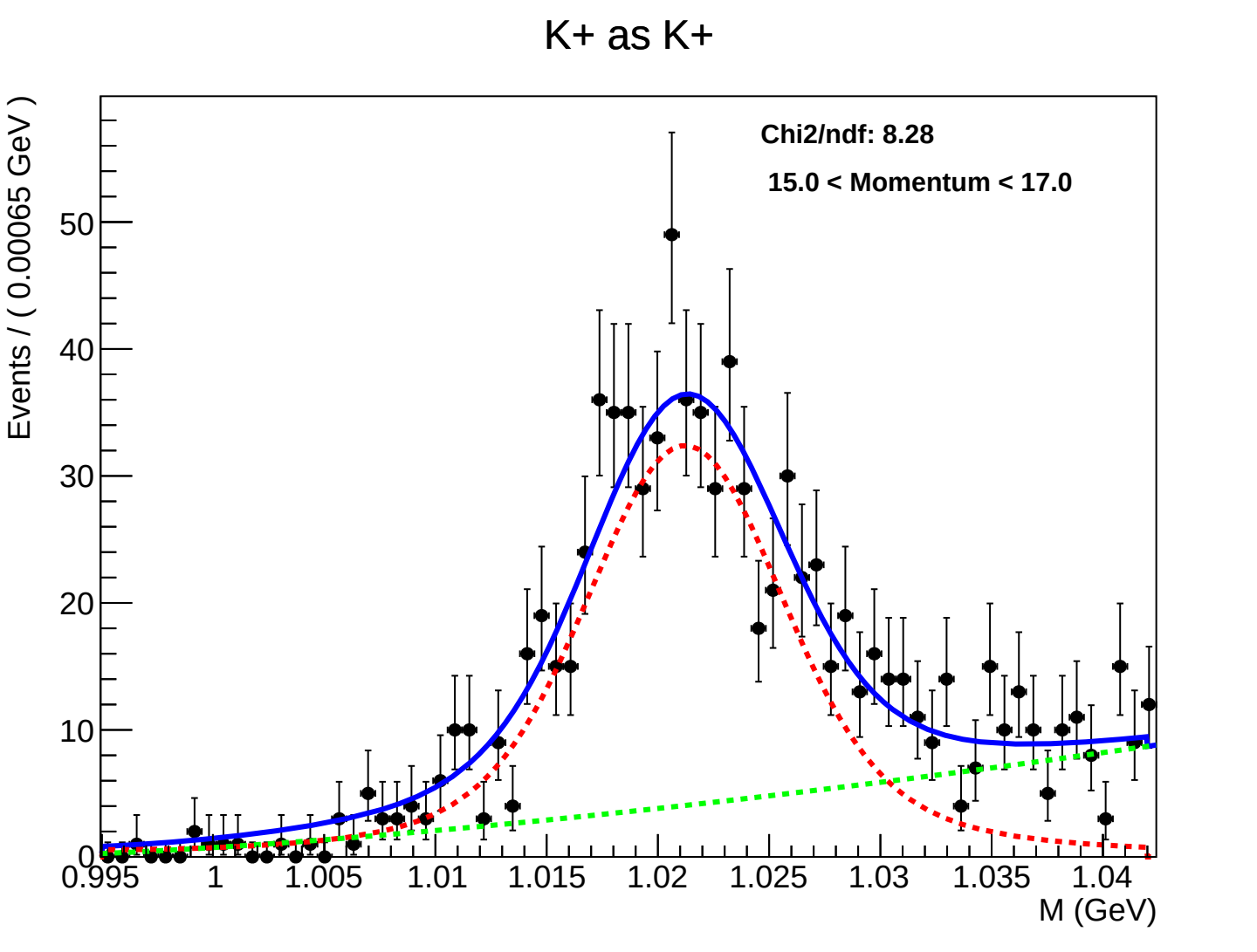

K+ as Pi+
Chi2/ndf: 25.62
40.0 < Momentum < 50.0
Events / (0.00065 GeV)
M (GeV)
0
20
40
60
80
100
120
140
160
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

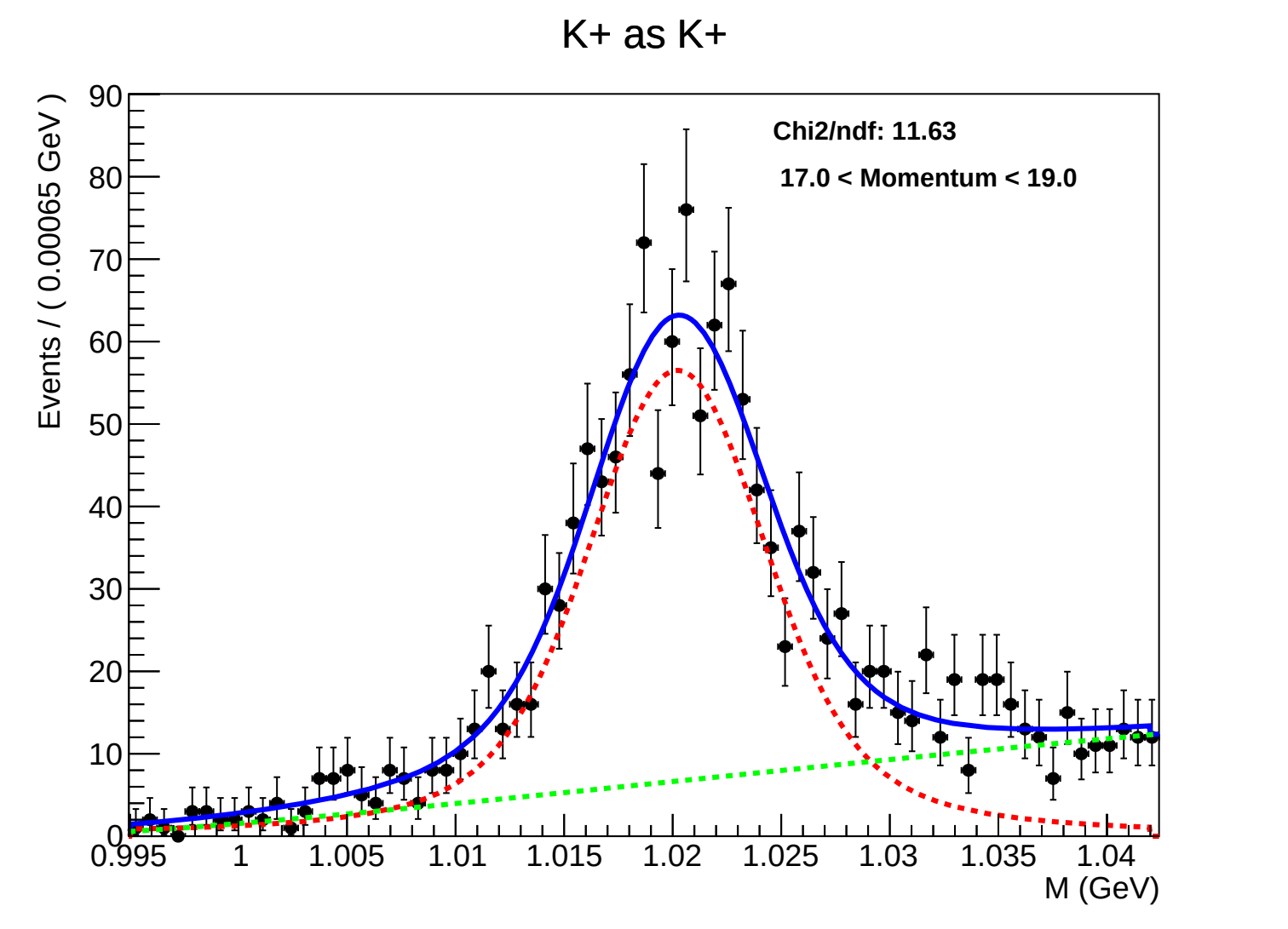

K+ as K+
Chi2/ndf: 1.37
10.0 < Momentum < 11.0
Events / (0.00065 GeV)
0
0.5
1
1.5
2
2.5
3
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04
M (GeV)

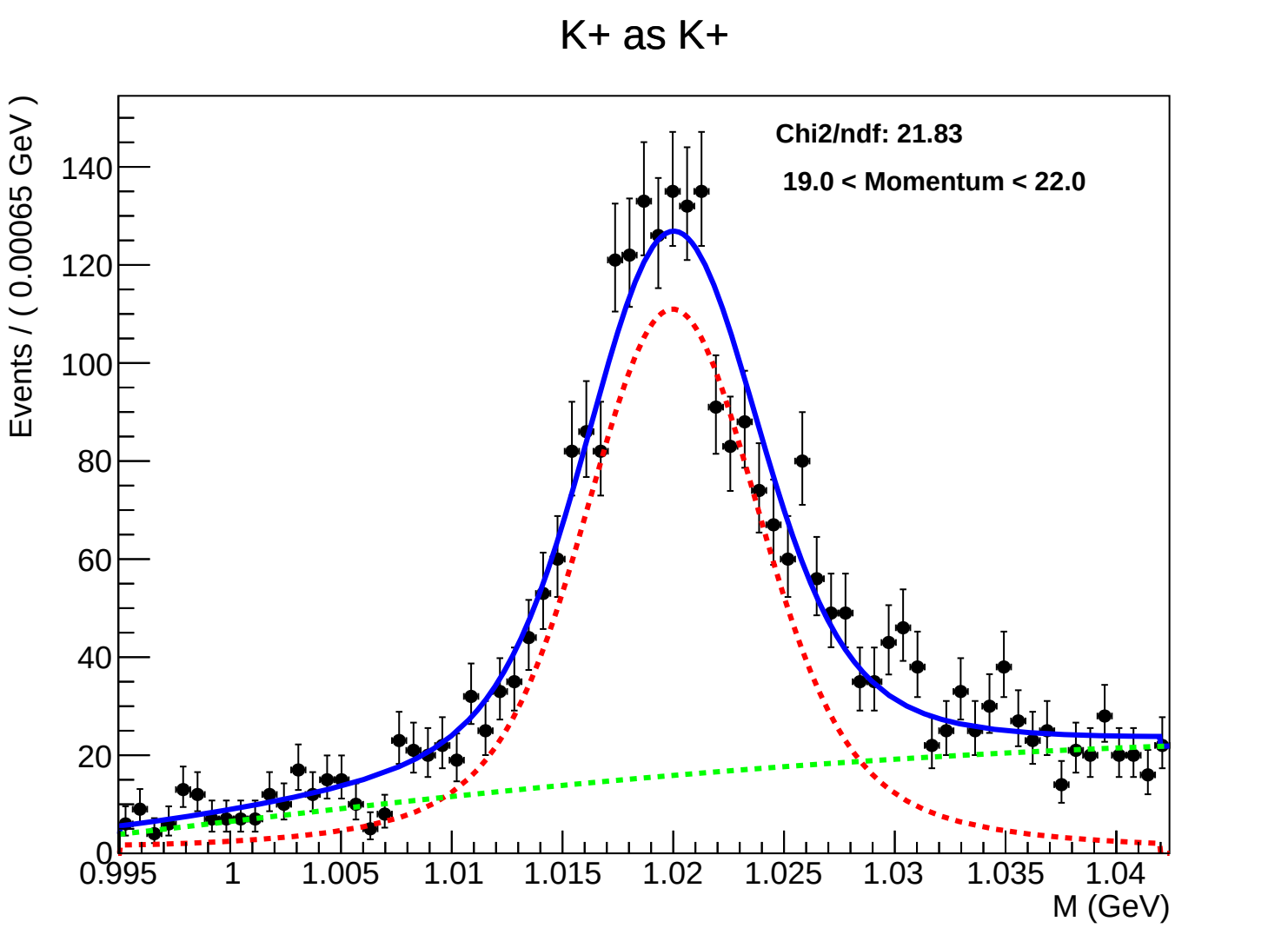

K+ as K+
Chi2/ndf: 1.11
11.0 < Momentum < 12.0
Events / (0.00065 GeV)
M (GeV)
0
0.5
1
1.5
2
2.5
3
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

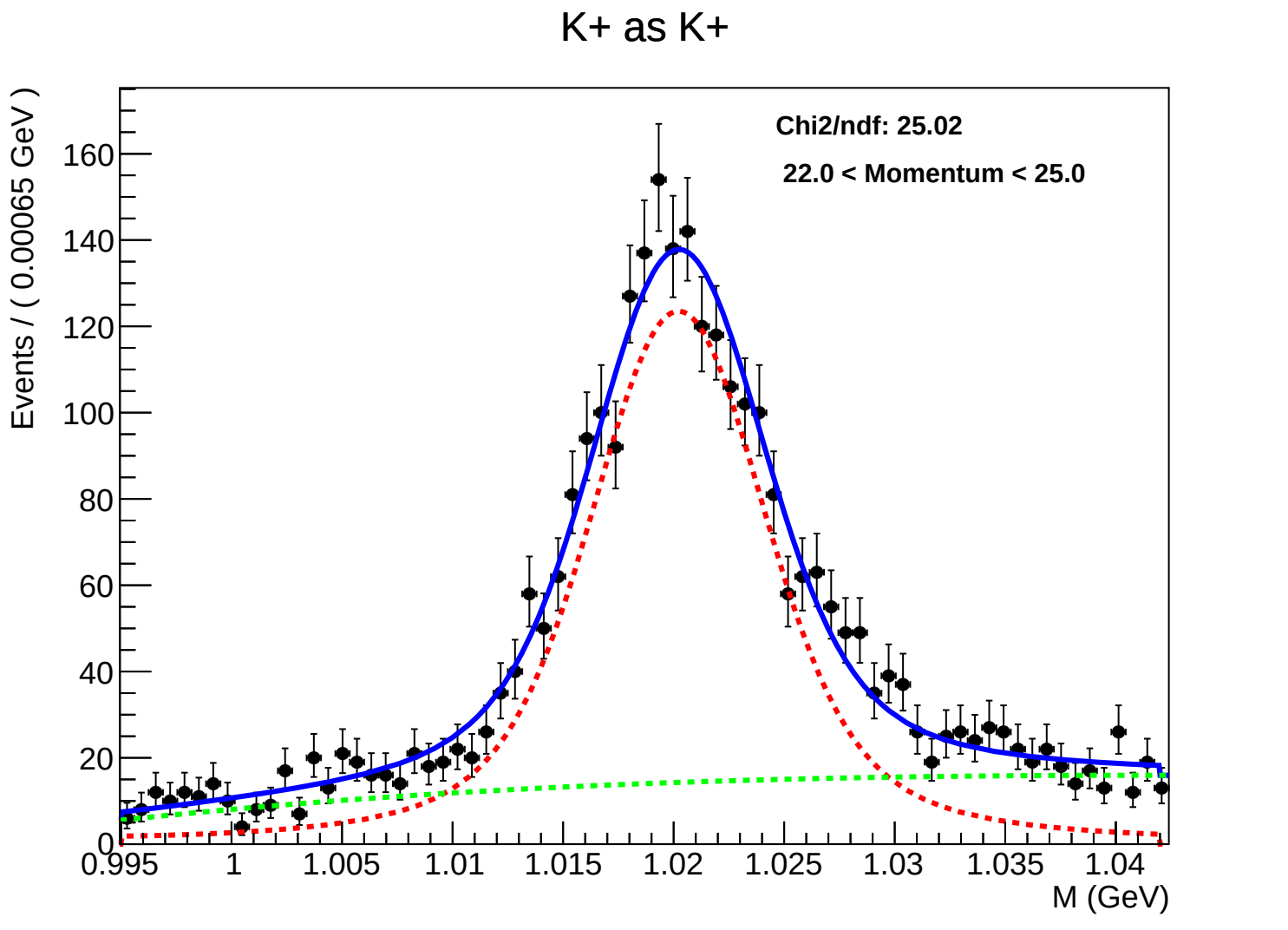

K+ as K+
Chi2/ndf: 0.69
12.0 < Momentum < 13.0
Events / (0.00065 GeV)
M (GeV)
0
1
2
3
4
5
6
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

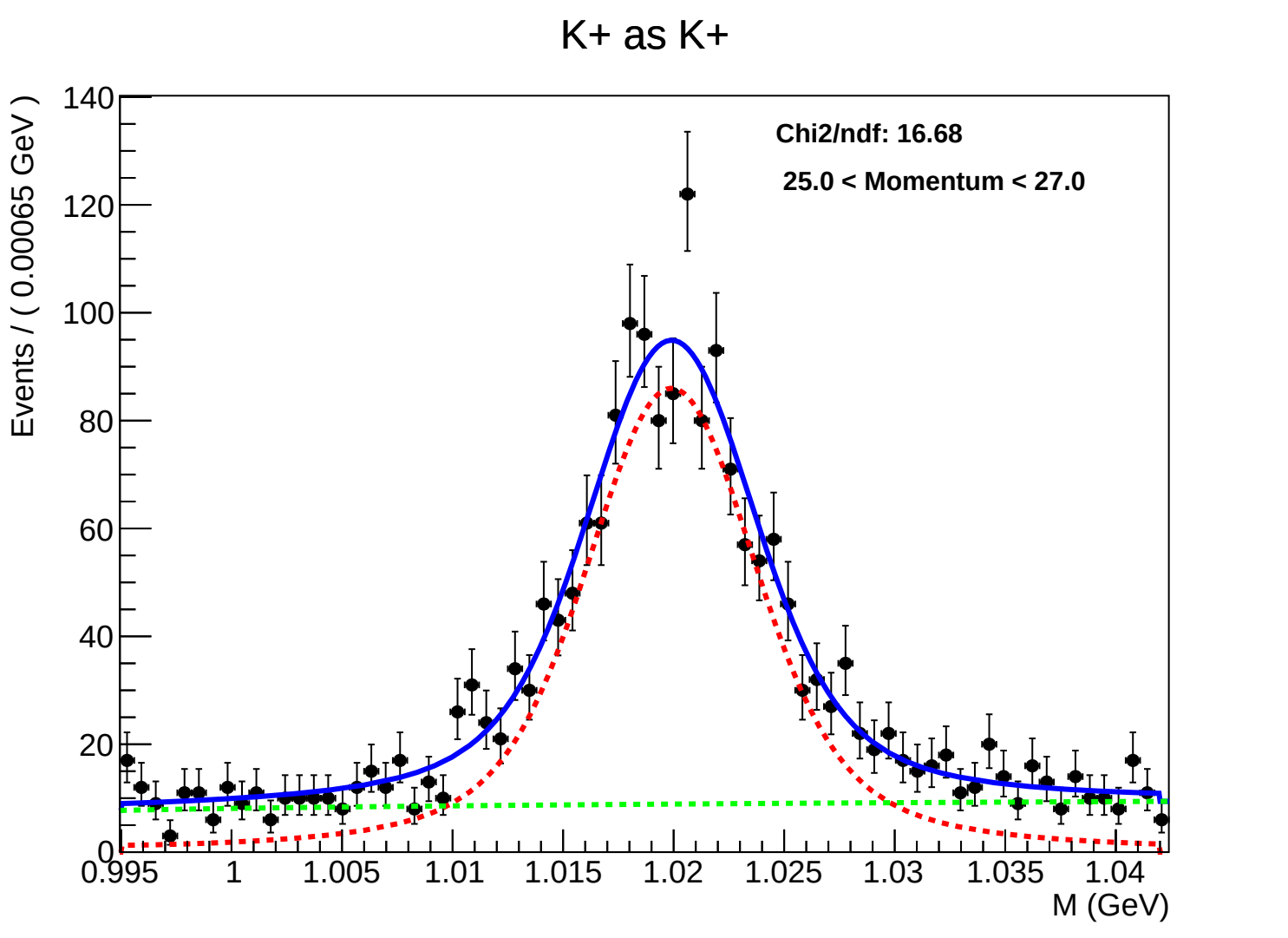

K+ as K+
Chi2/ndf: 1.71
13.0 <Momentum < 15.0
Events / (0.00065 GeV)
M (GeV)
0
2
4
6
8
10
12
14
16
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

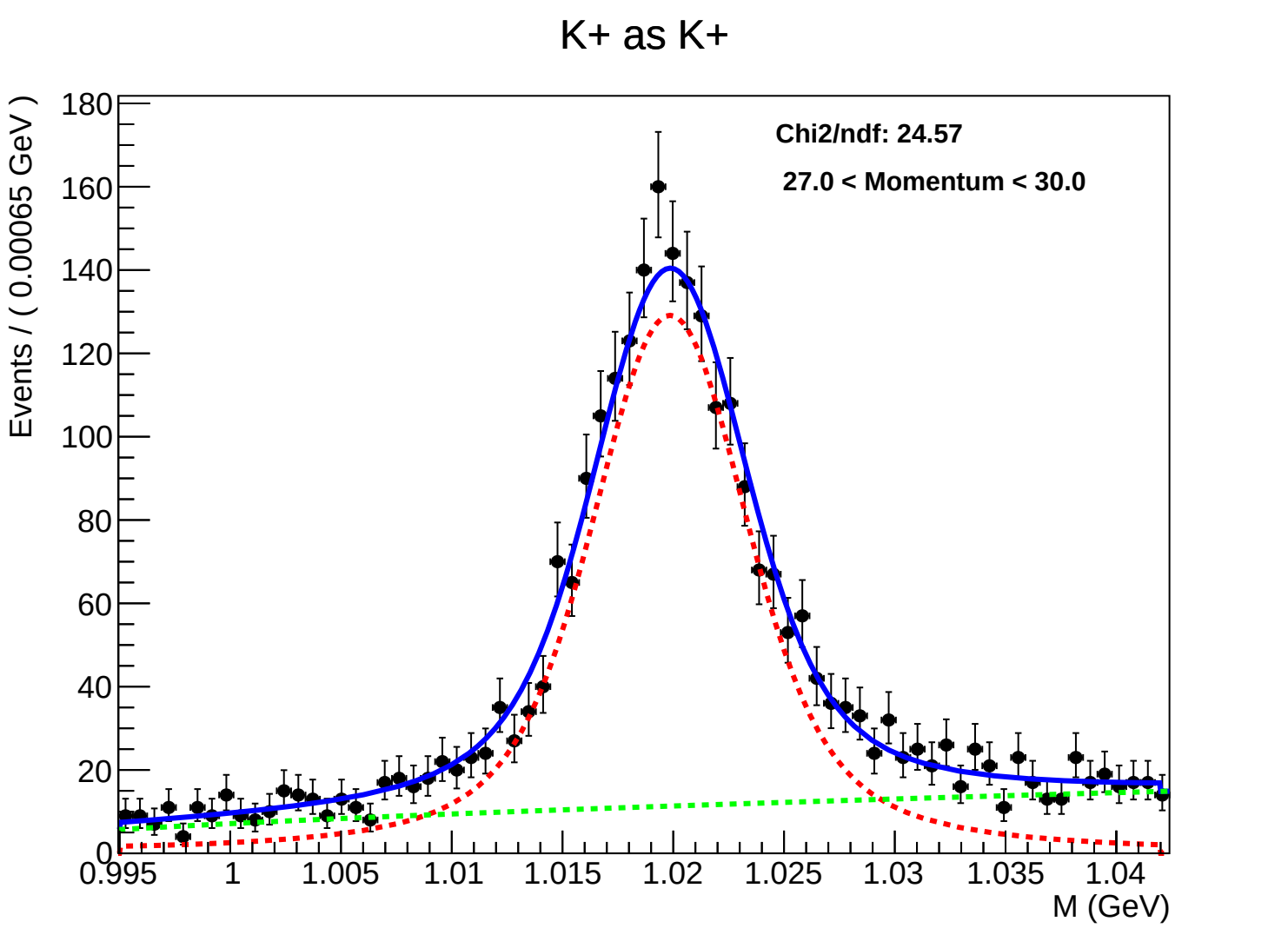

K+ as K+
Chi2/ndf: 8.28
15.0 < Momentum < 17.0
Events / (0.00065 GeV)
M (GeV)
0
10
20
30
40
50
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

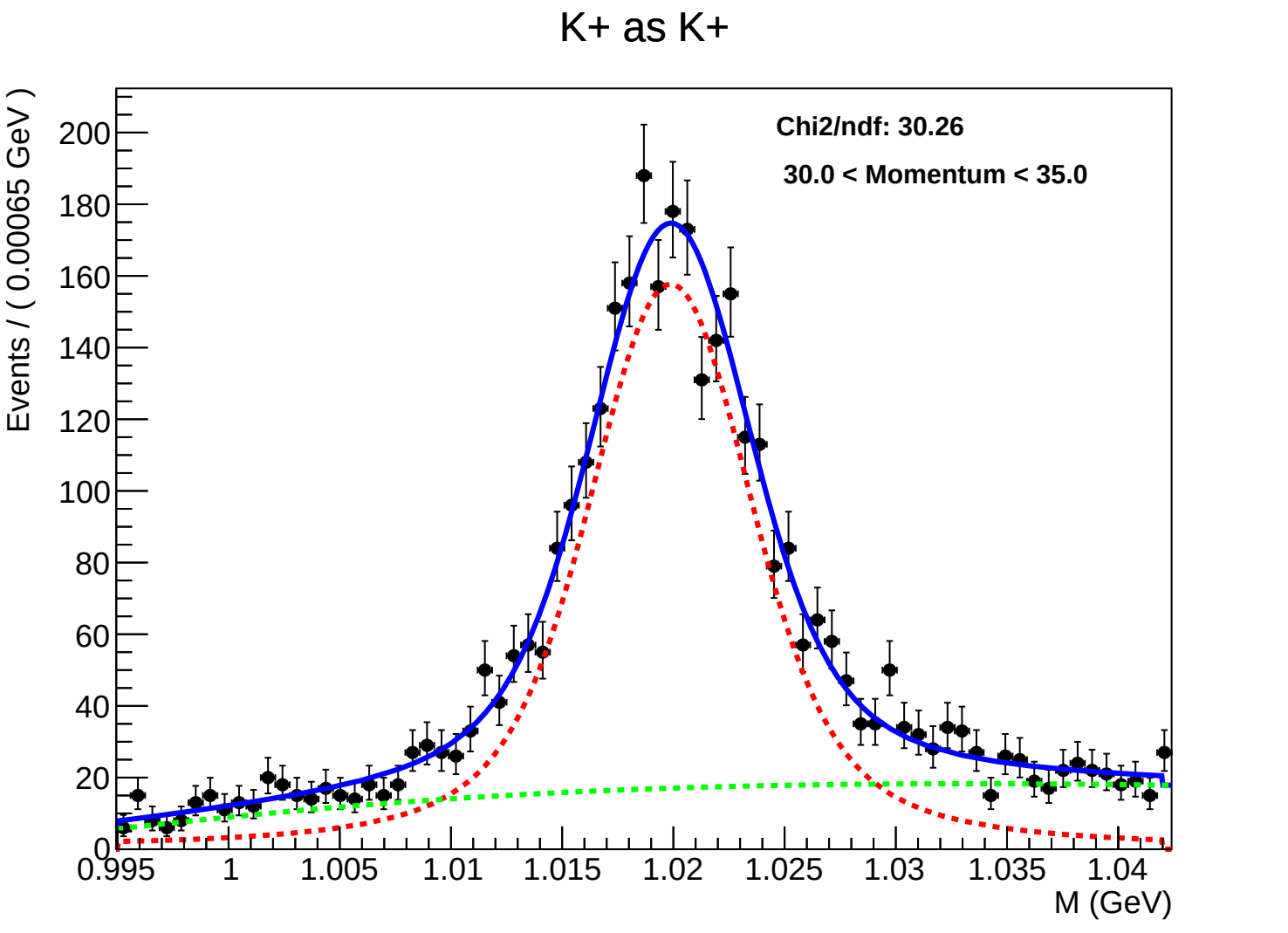

K+ as K+
Chi2/ndf: 11.63
17.0 < Momentum < 19.0
Events / (0.00065 GeV)
M (GeV)
0
10
20
30
40
50
60
70
80
90
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

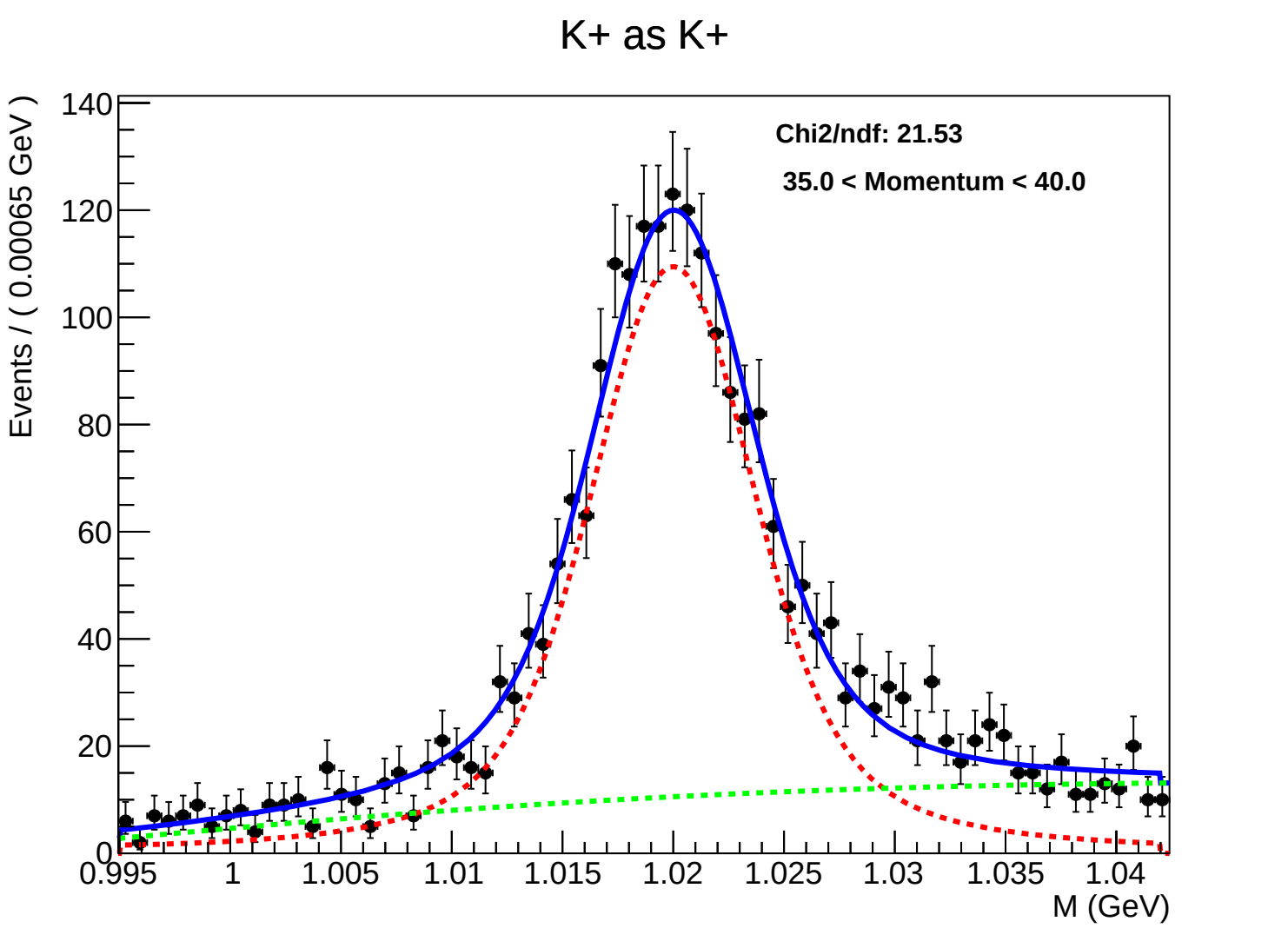

K+ as K+
Chi2/ndf: 21.83
19.0 < Momentum < 22.0
Events / (0.00065 GeV)
M (GeV)
0
20
40
60
80
100
120
140
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

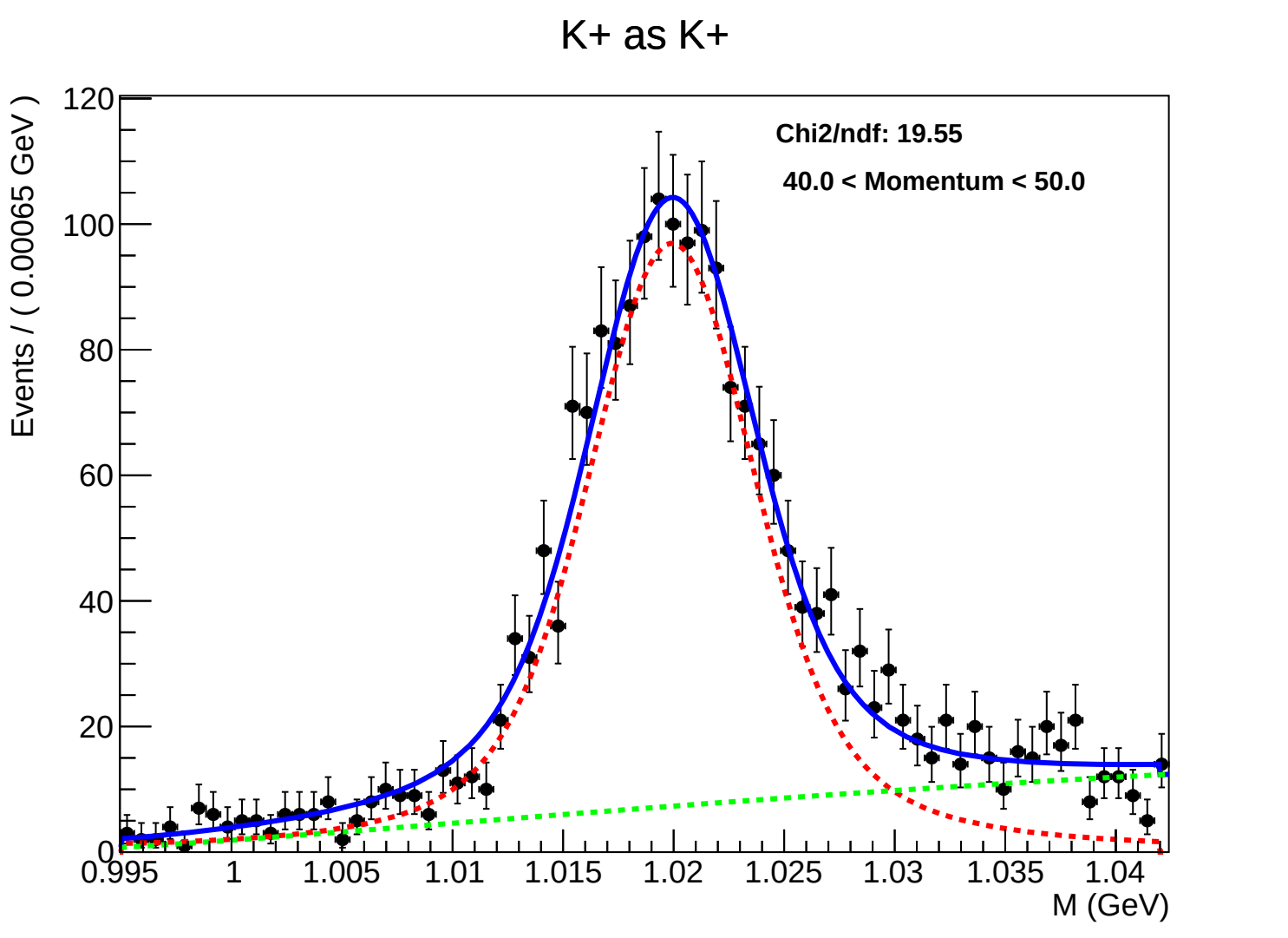

K+ as K+
Chi2/ndf: 25.02
22.0 < Momentum < 25.0
Events / (0.00065 GeV)
M (GeV)
0
20
40
60
80
100
120
140
160
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

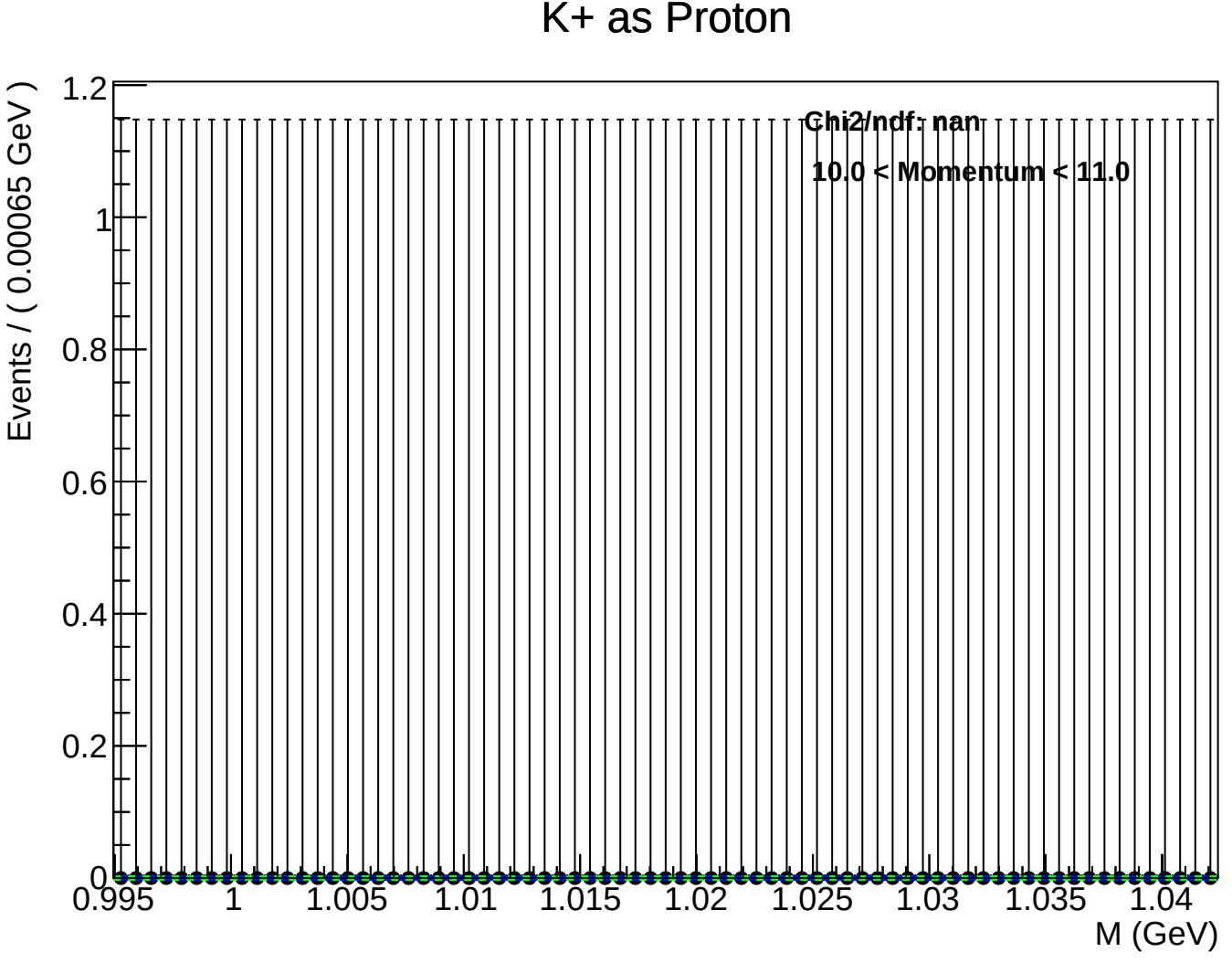

K+ as K+
Chi2/ndf: 16.68
25.0 < Momentum < 27.0
Events / (0.00065 GeV)
M (GeV)
0
20
40
60
80
100
120
140
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

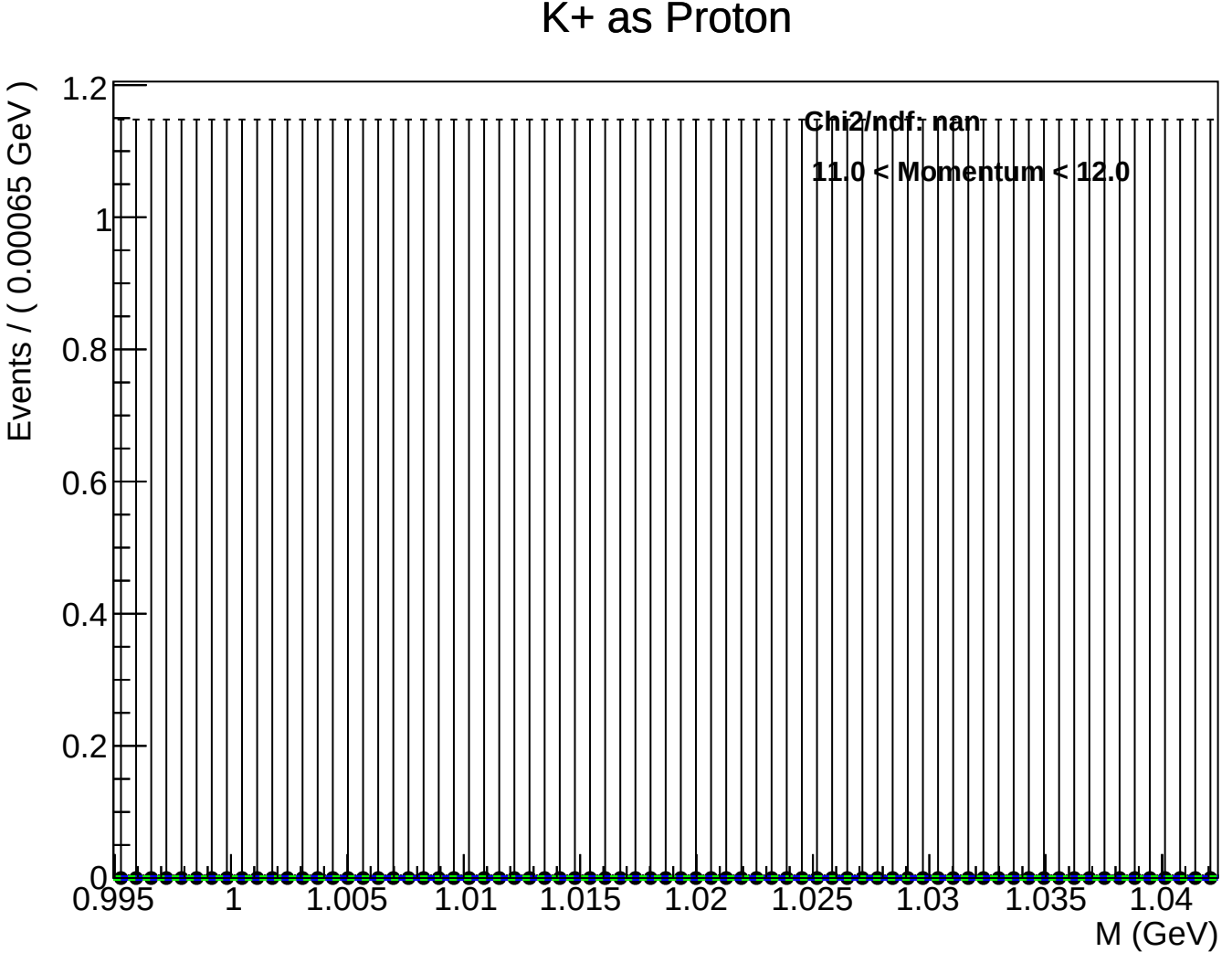

K+ as K+
Chi2/ndf: 24.57
27.0 < Momentum < 30.0
Events / (0.00065 GeV)
M (GeV)
0
20
40
60
80
100
120
140
160
180
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

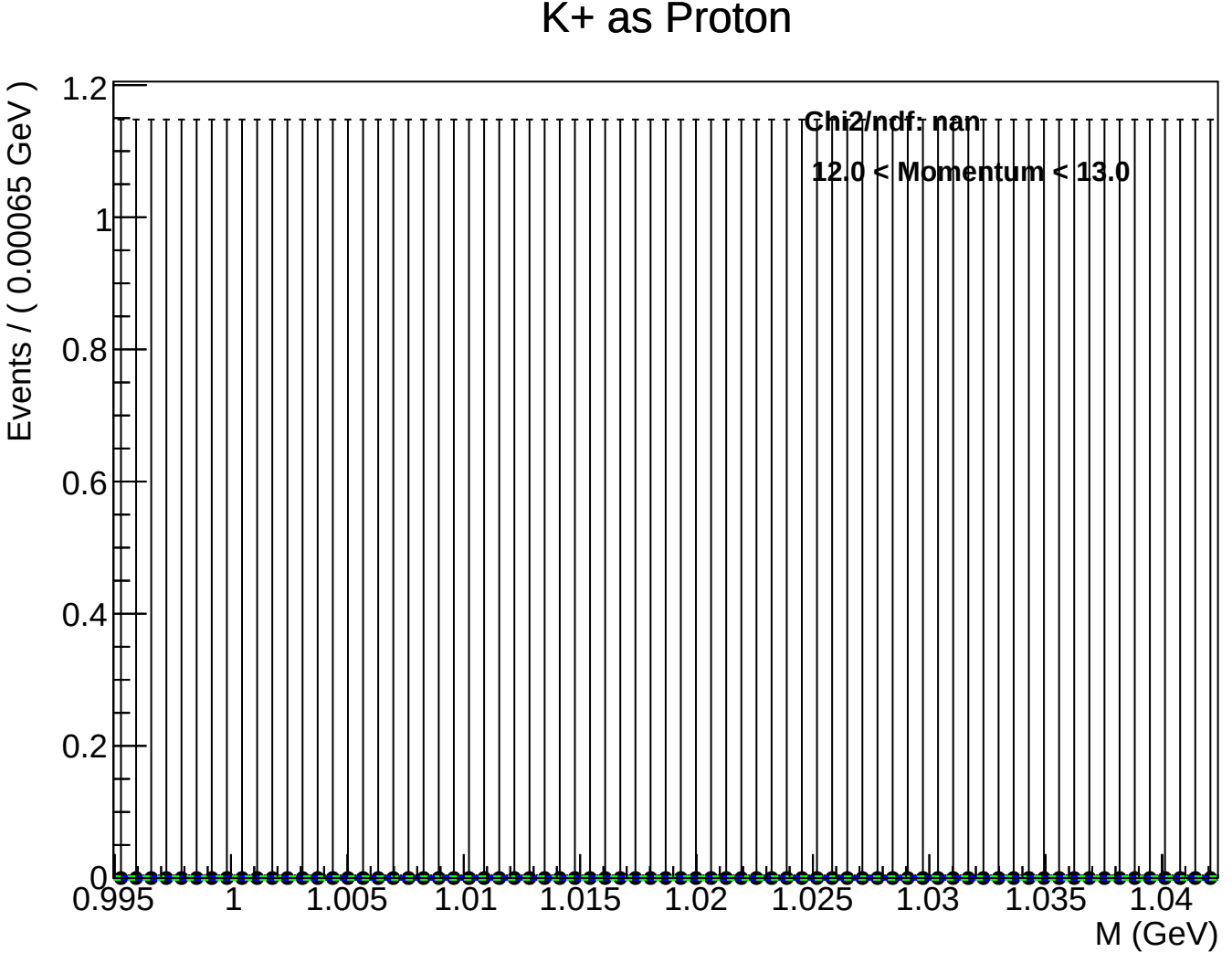

K+ as K+
Chi2/ndf: 30.26
30.0 < Momentum < 35.0
Events / (0.00065 GeV)
M (GeV)
0
20
40
60
80
100
120
140
160
180
200
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

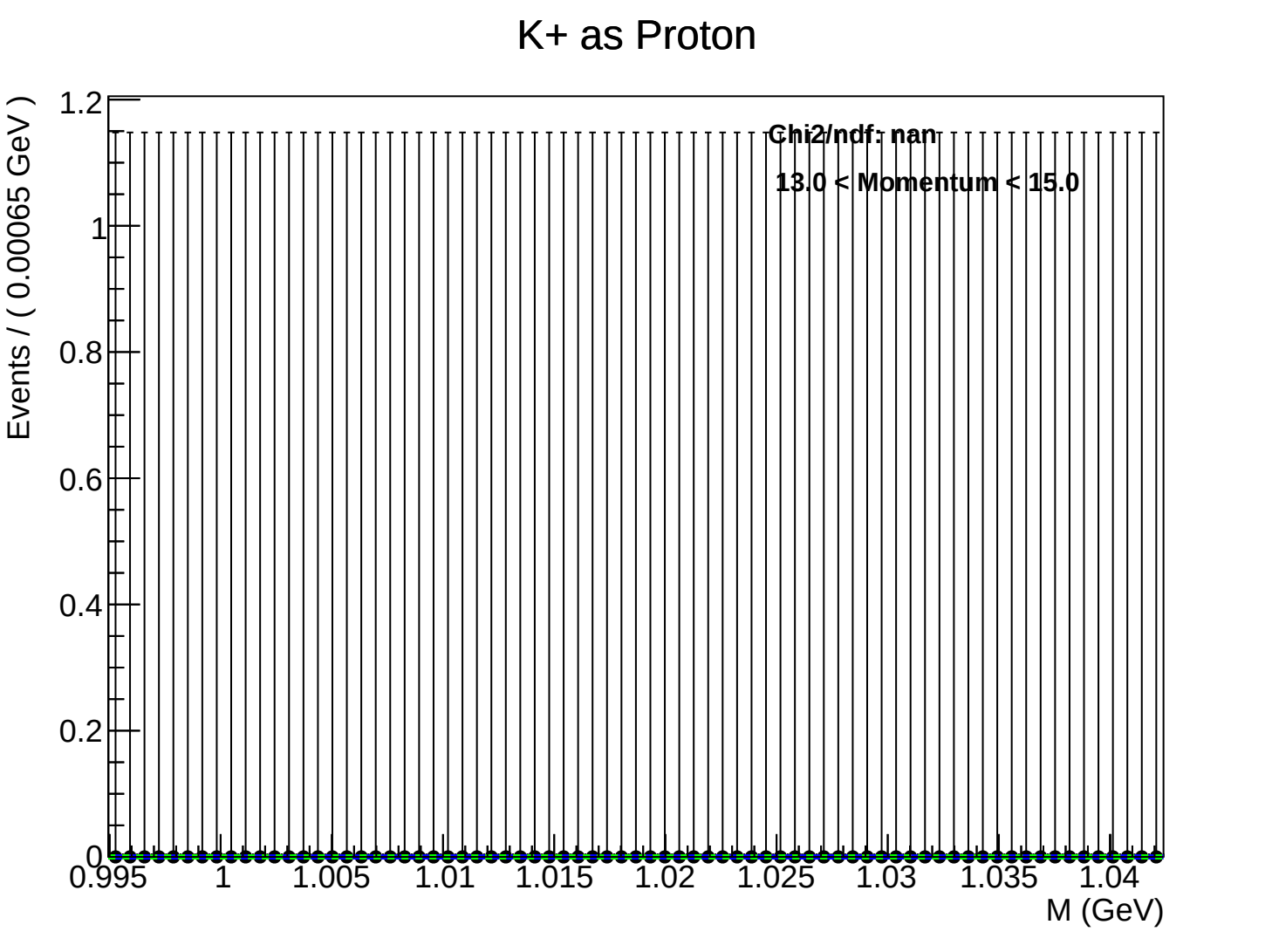

K+ as K+
Chi2/ndf: 21.53
35.0 < Momentum < 40.0
Events / (0.00065 GeV)
M (GeV)
0
20
40
60
80
100
120
140
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

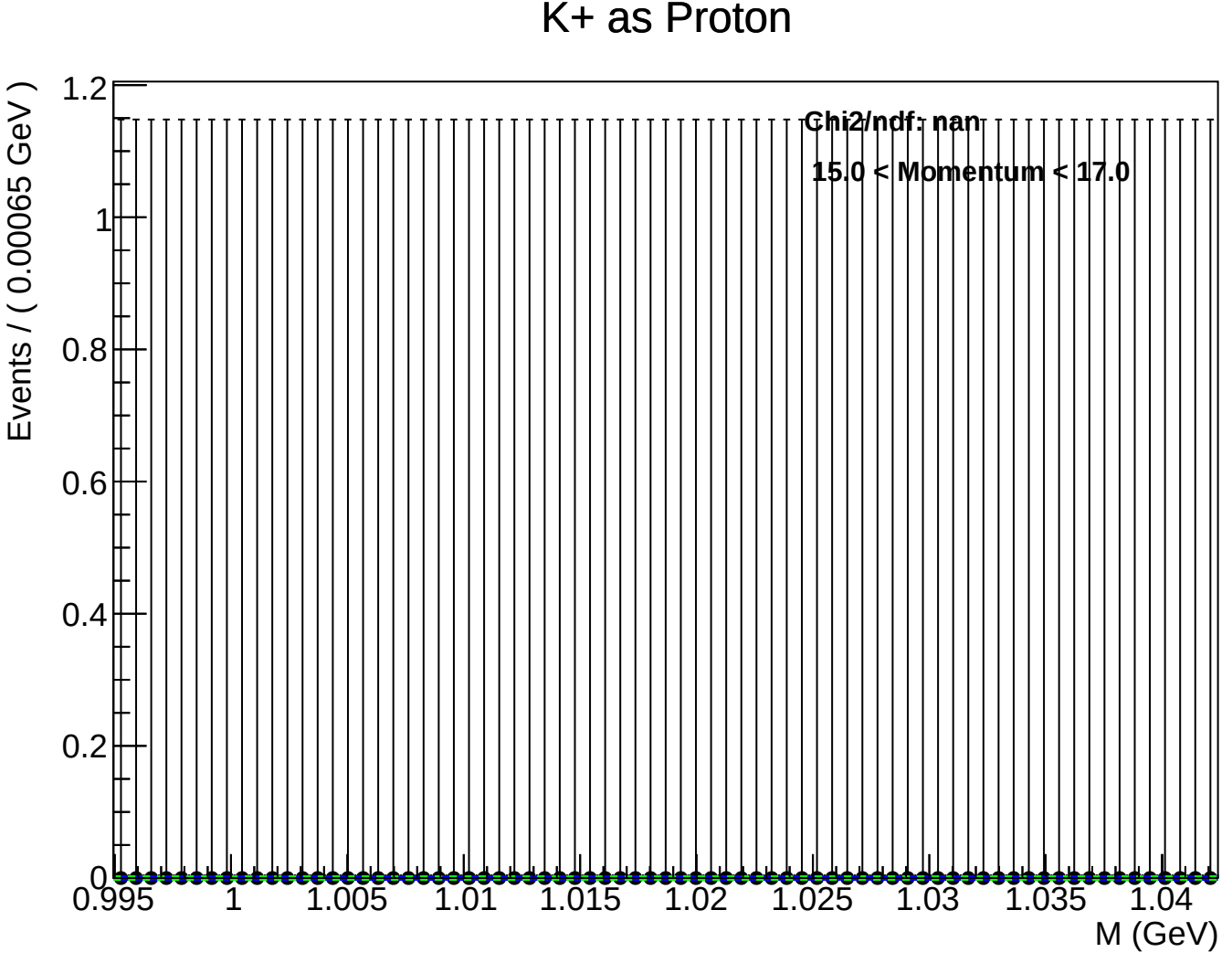

K+ as K+
Chi2/ndf: 19.55
40.0 < Momentum < 50.0
Events / (0.00065 GeV)
M (GeV)
0
20
40
60
80
100
120
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

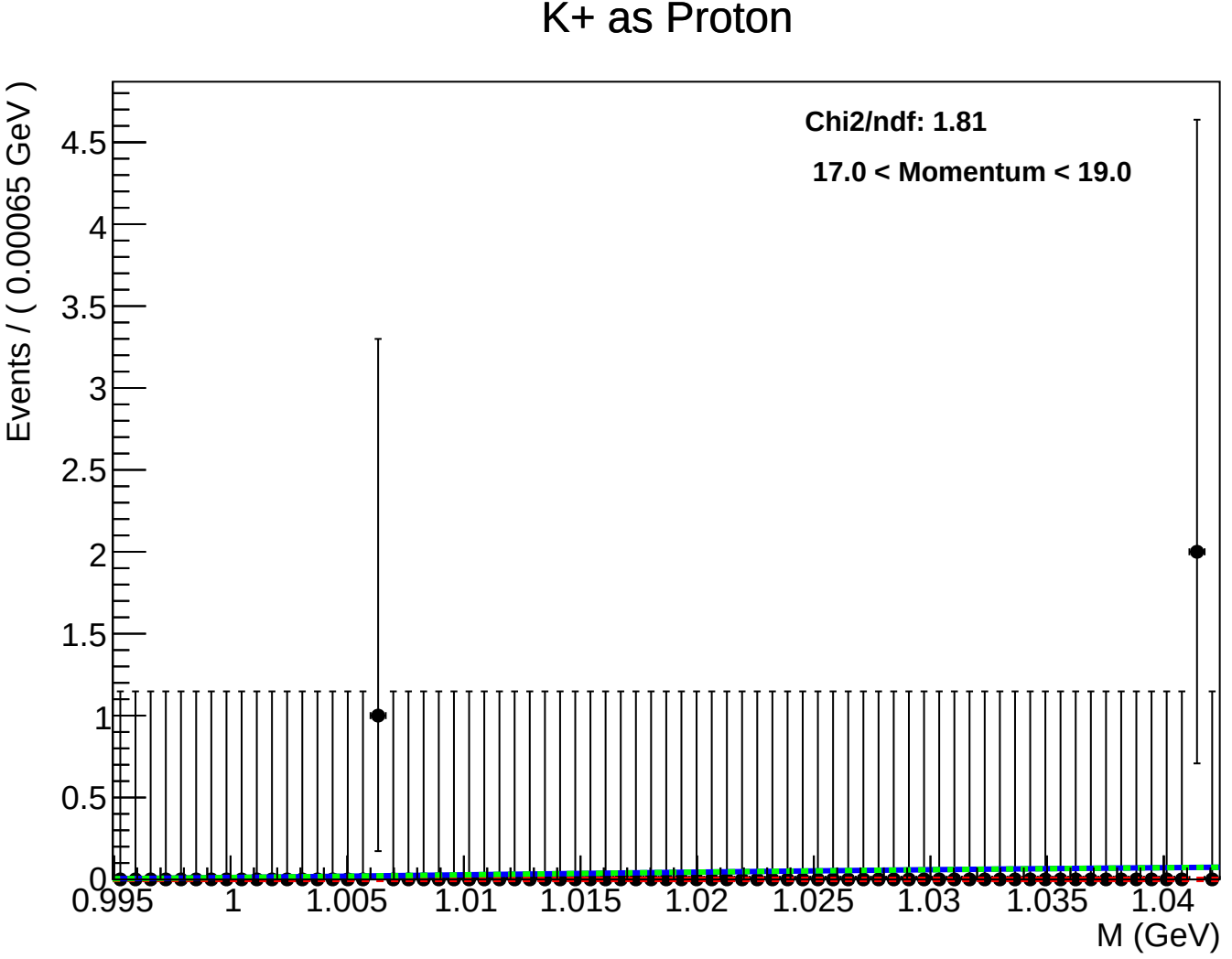

K+ as Proton
Chi2/ndf: nan
10.0 < Momentum < 11.0
Events / (0.00065 GeV)
M (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

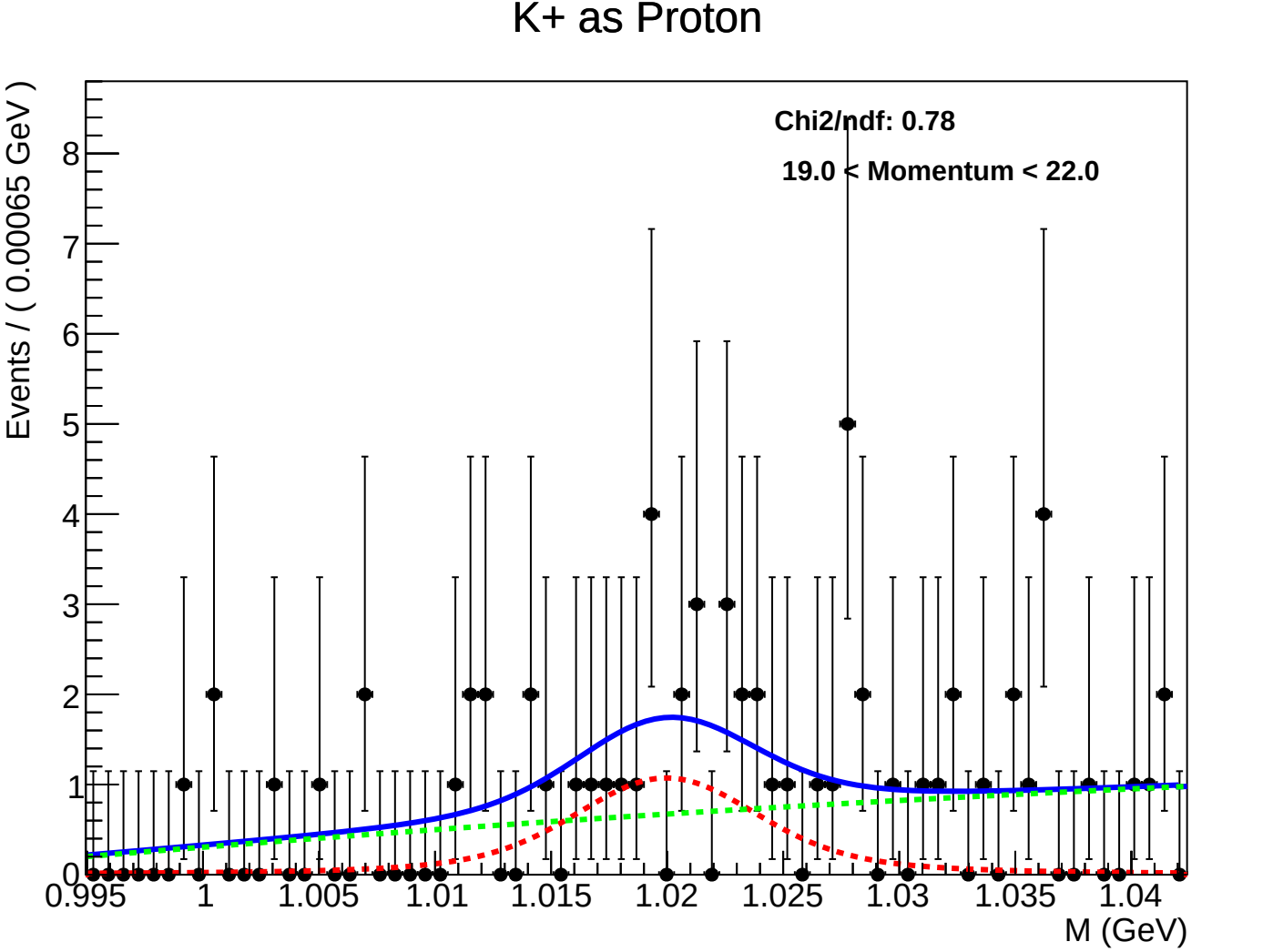

K+ as Proton
Chi2/ndf: nan
11.0 < Momentum < 12.0
Events / (0.00065 GeV)
M (GeV)
1.2
1
0.8
0.6
0.4
0.2
0
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

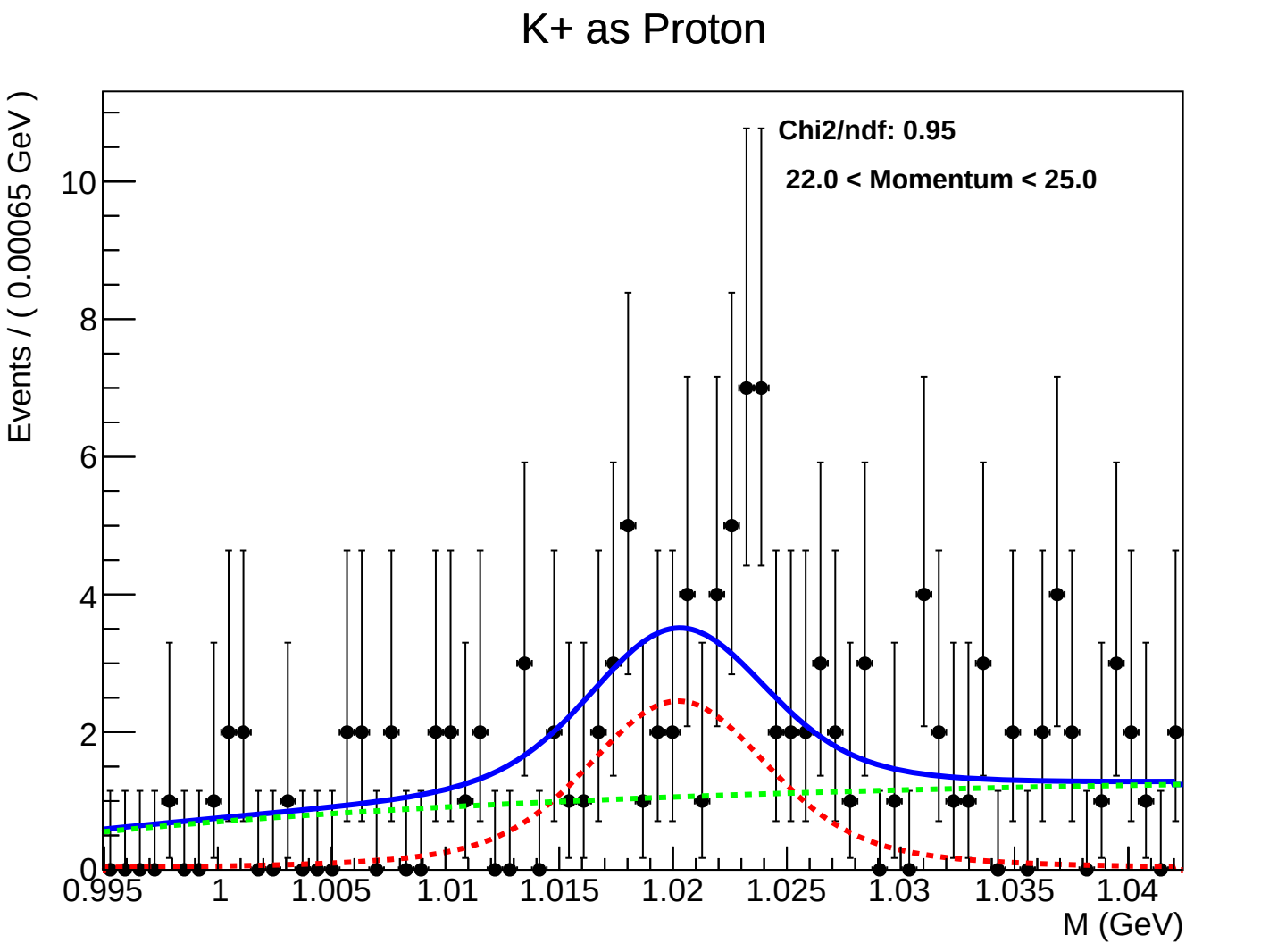

K+ as Proton
Chi2/ndf: nan
12.0 < Momentum < 13.0
Events / (0.00065 GeV)
M (GeV)
1.2
1
0.8
0.6
0.4
0.2
0
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

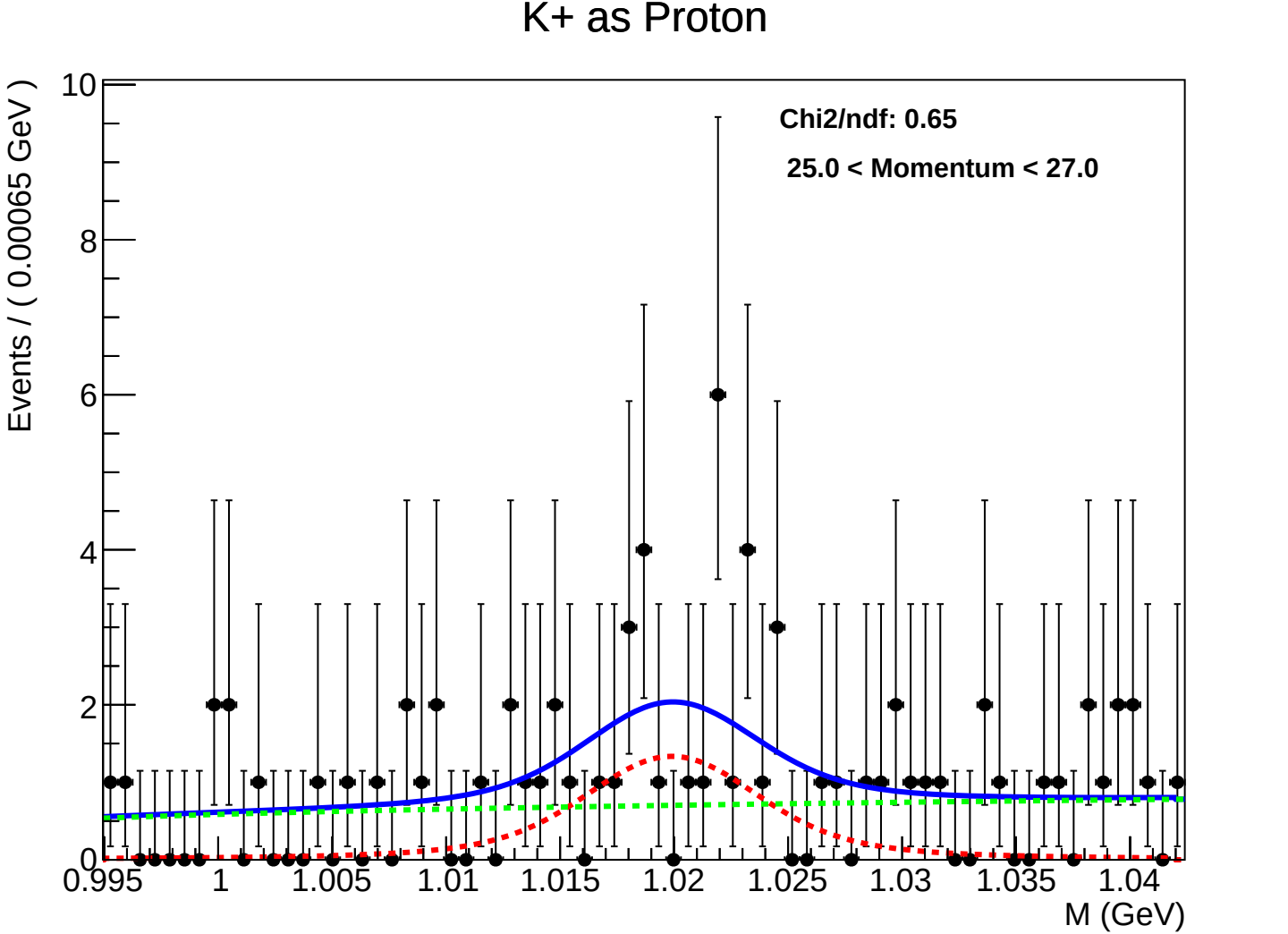

K+ as Proton
Chi2/ndf: nan
13.0 < Momentum < 15.0
Events / (0.00065 GeV)
M (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

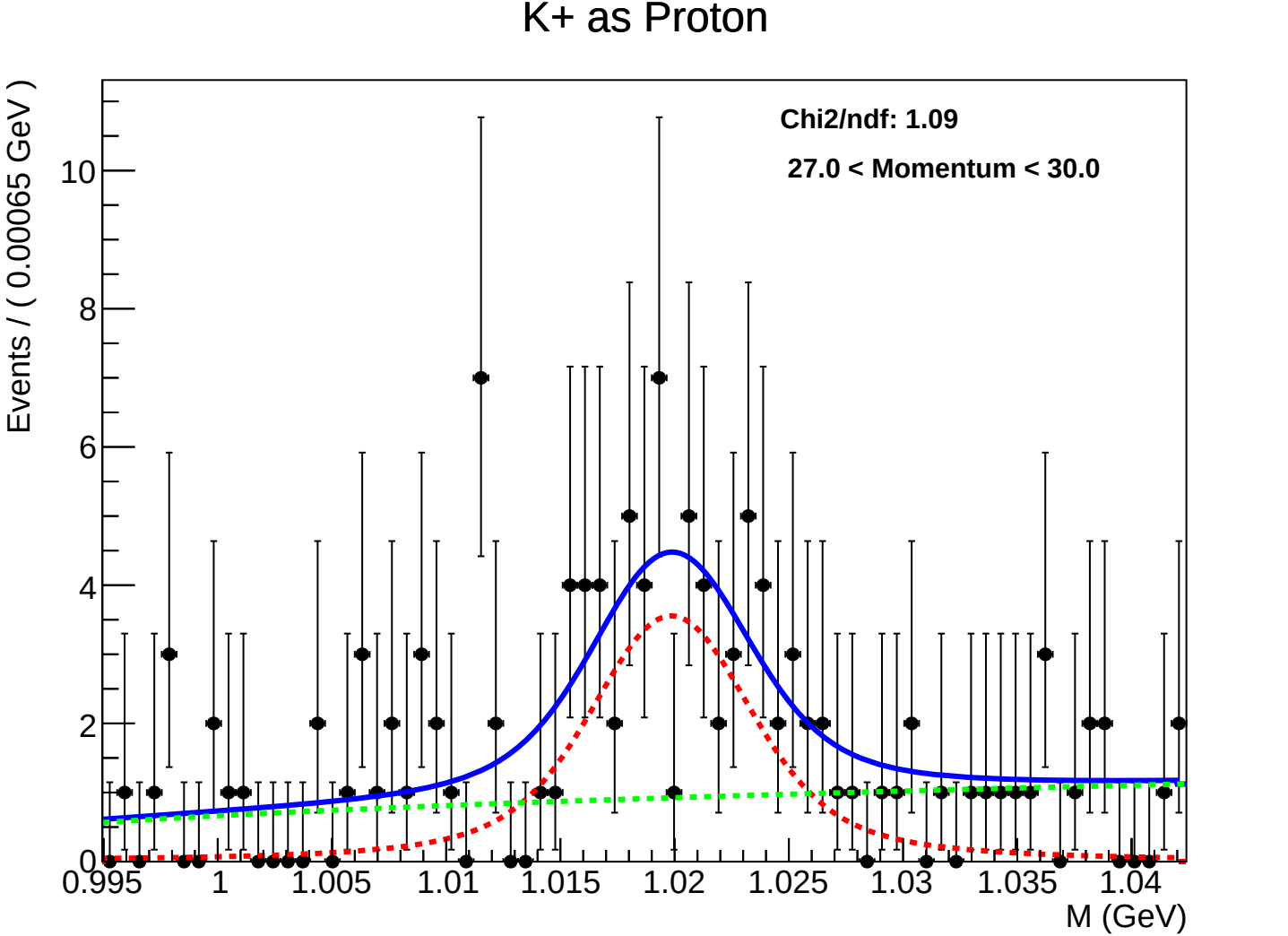

K+ as Proton
Chi2/ndf: nan
15.0 < Momentum < 17.0
Events / (0.00065 GeV)
M (GeV)
1.2
1
0.8
0.6
0.4
0.2
0
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

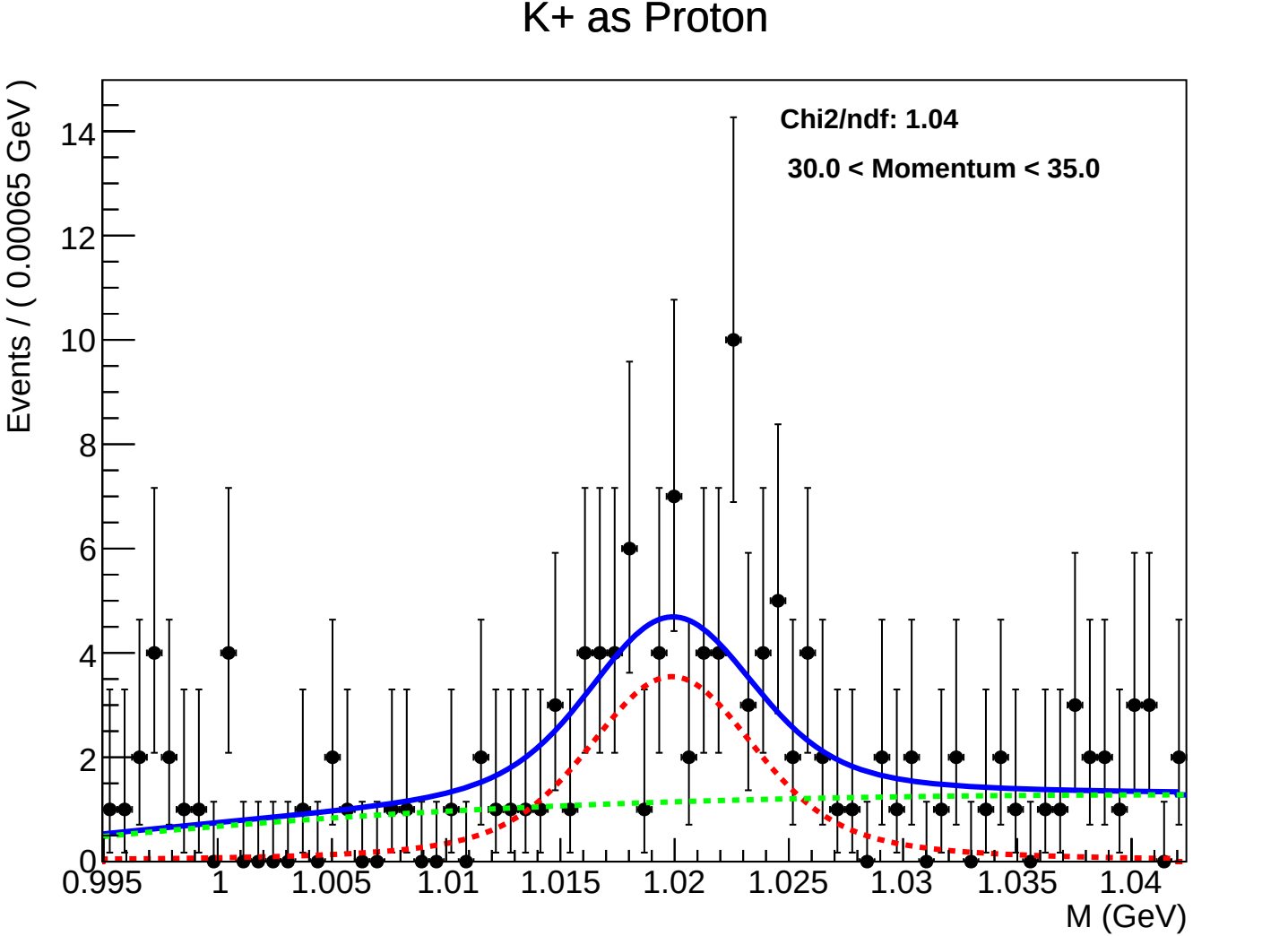

K+ as Proton
Chi2/ndf: 1.81
17.0 < Momentum < 19.0
Events / (0.00065 GeV)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04
M (GeV)

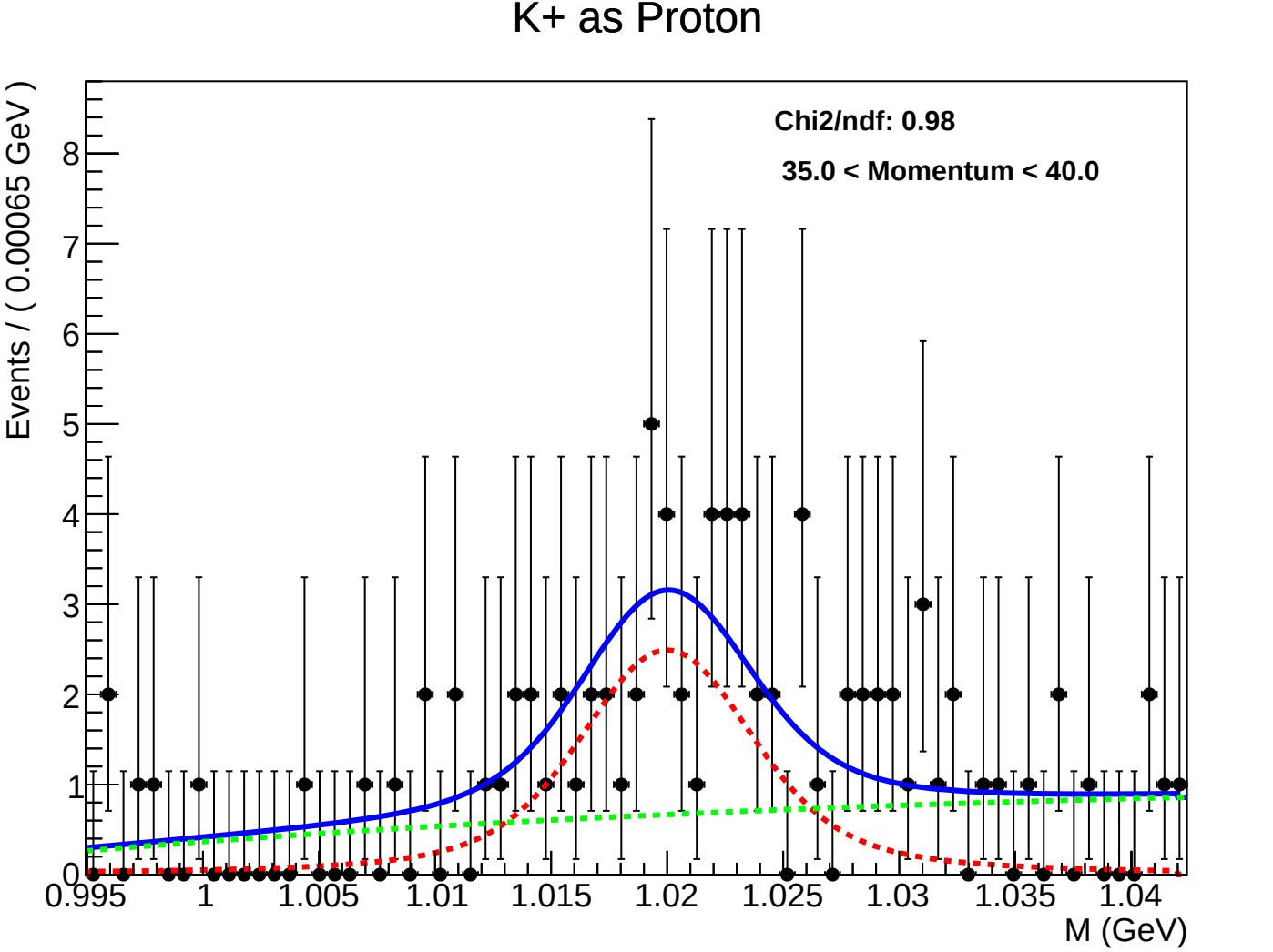

K+ as Proton
Chi2/ndf: 0.78
19.0 < Momentum < 22.0
Events / (0.00065 GeV)
M (GeV)
0
1
2
3
4
5
6
7
8
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

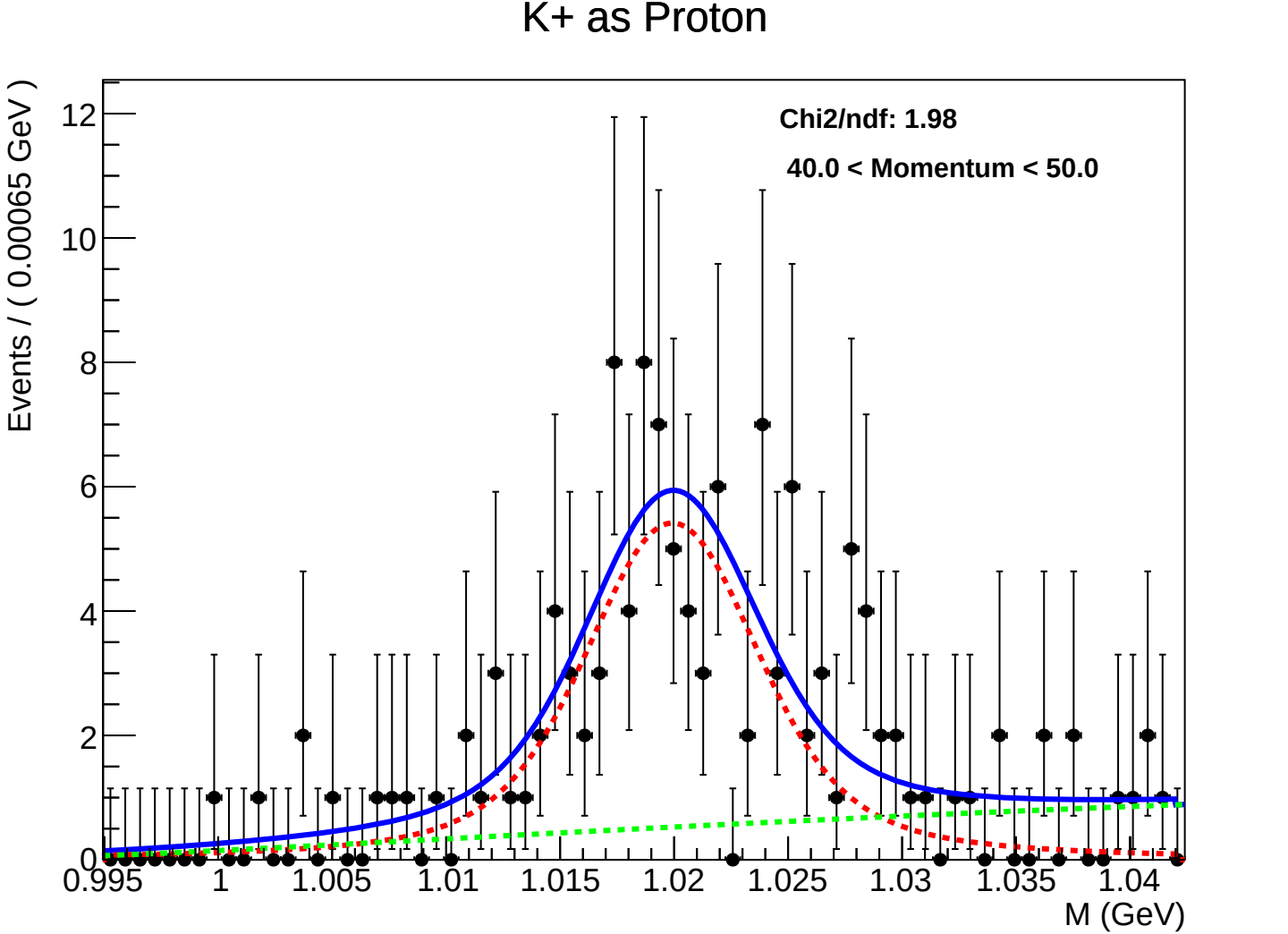

K+ as Proton
Chi2/ndf: 0.95
22.0 < Momentum < 25.0
Events / (0.00065 GeV)
M (GeV)
0
2
4
6
8
10
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

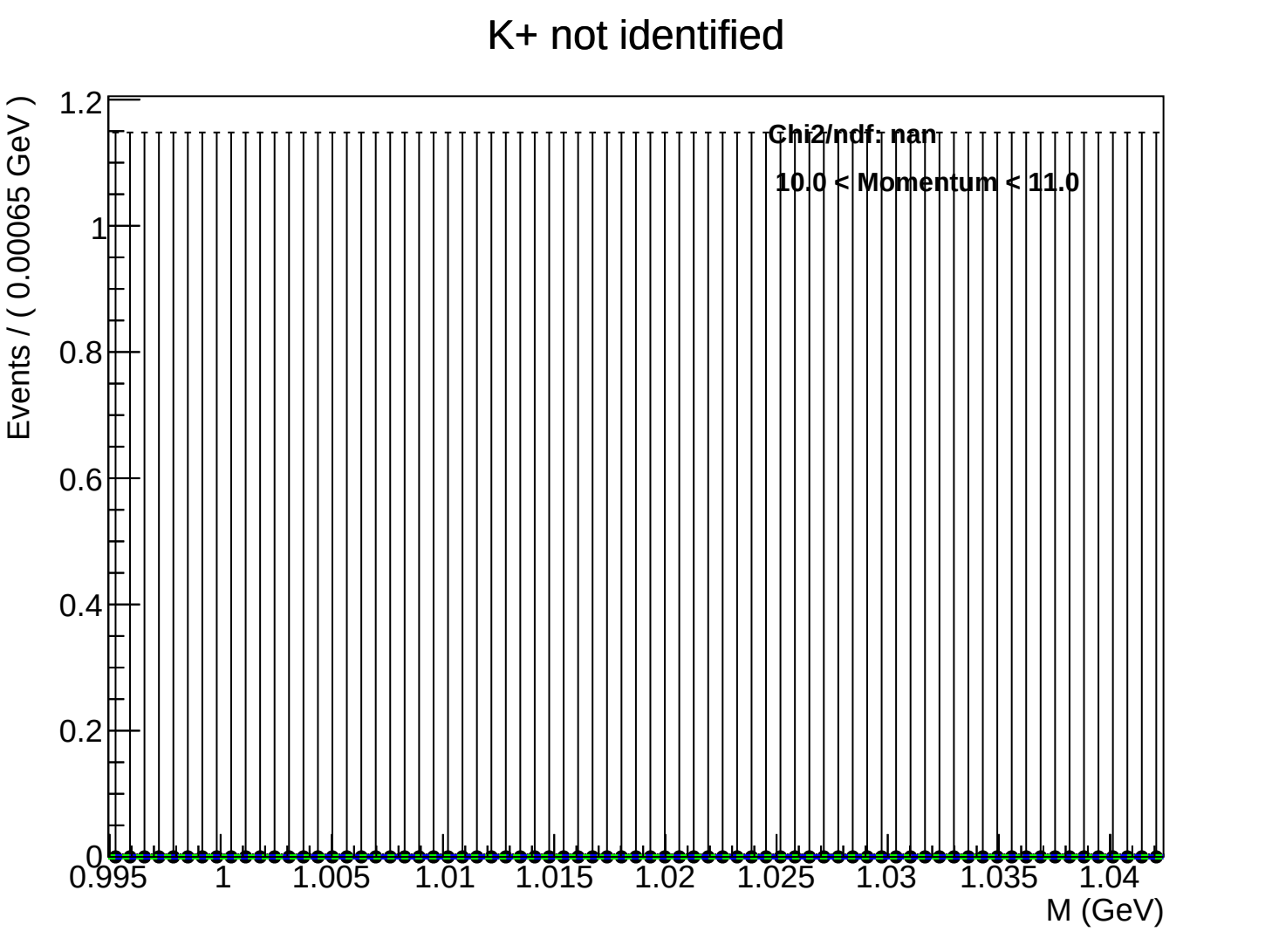

K+ as Proton
Chi2/ndf: 0.65
25.0 < Momentum < 27.0
Events / (0.00065 GeV)
M (GeV)
0
2
4
6
8
10
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

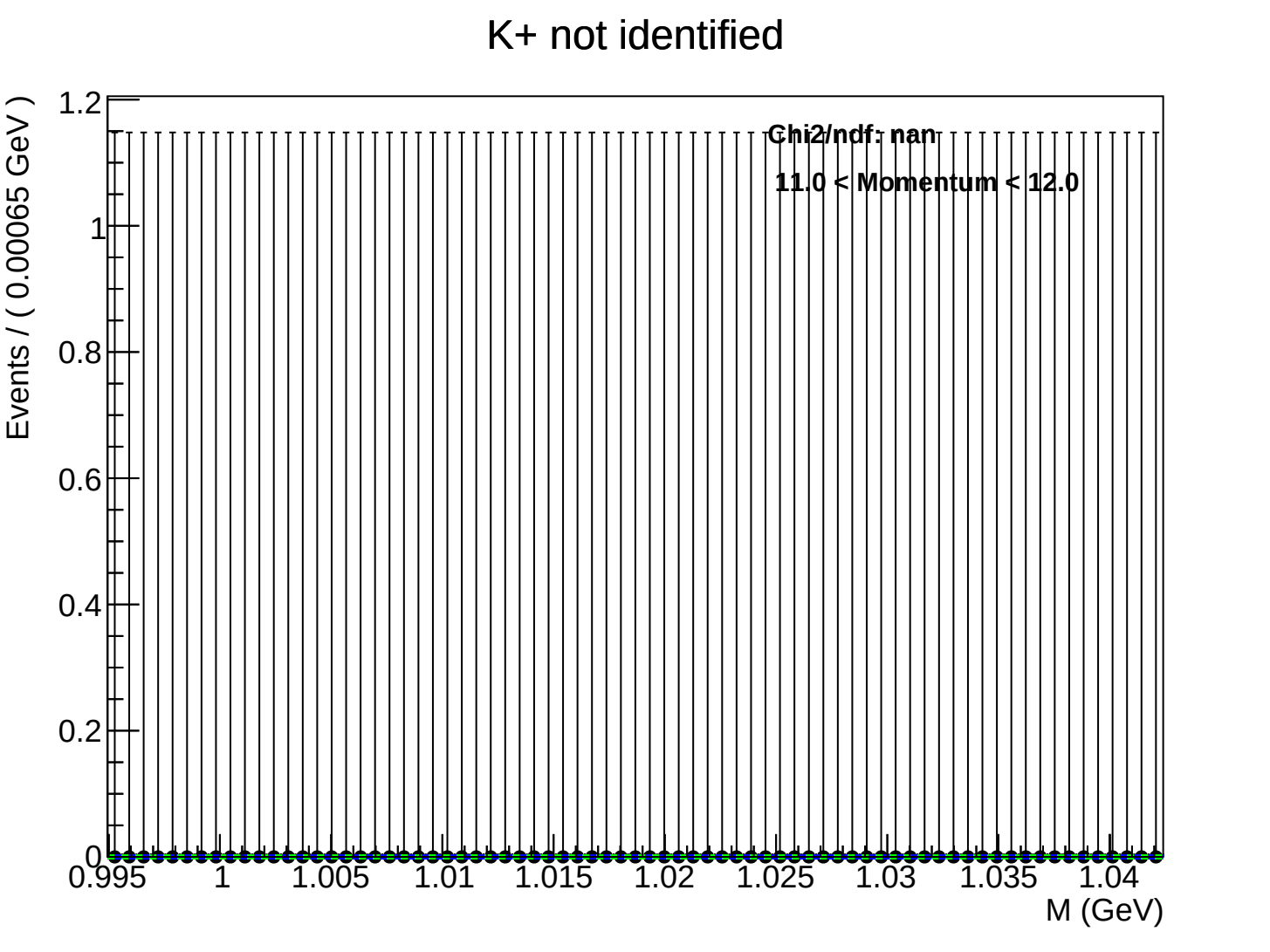

K+ as Proton
Chi2/ndf: 1.09
27.0 < Momentum < 30.0
Events / (0.00065 GeV)
M (GeV)
0
2
4
6
8
10
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

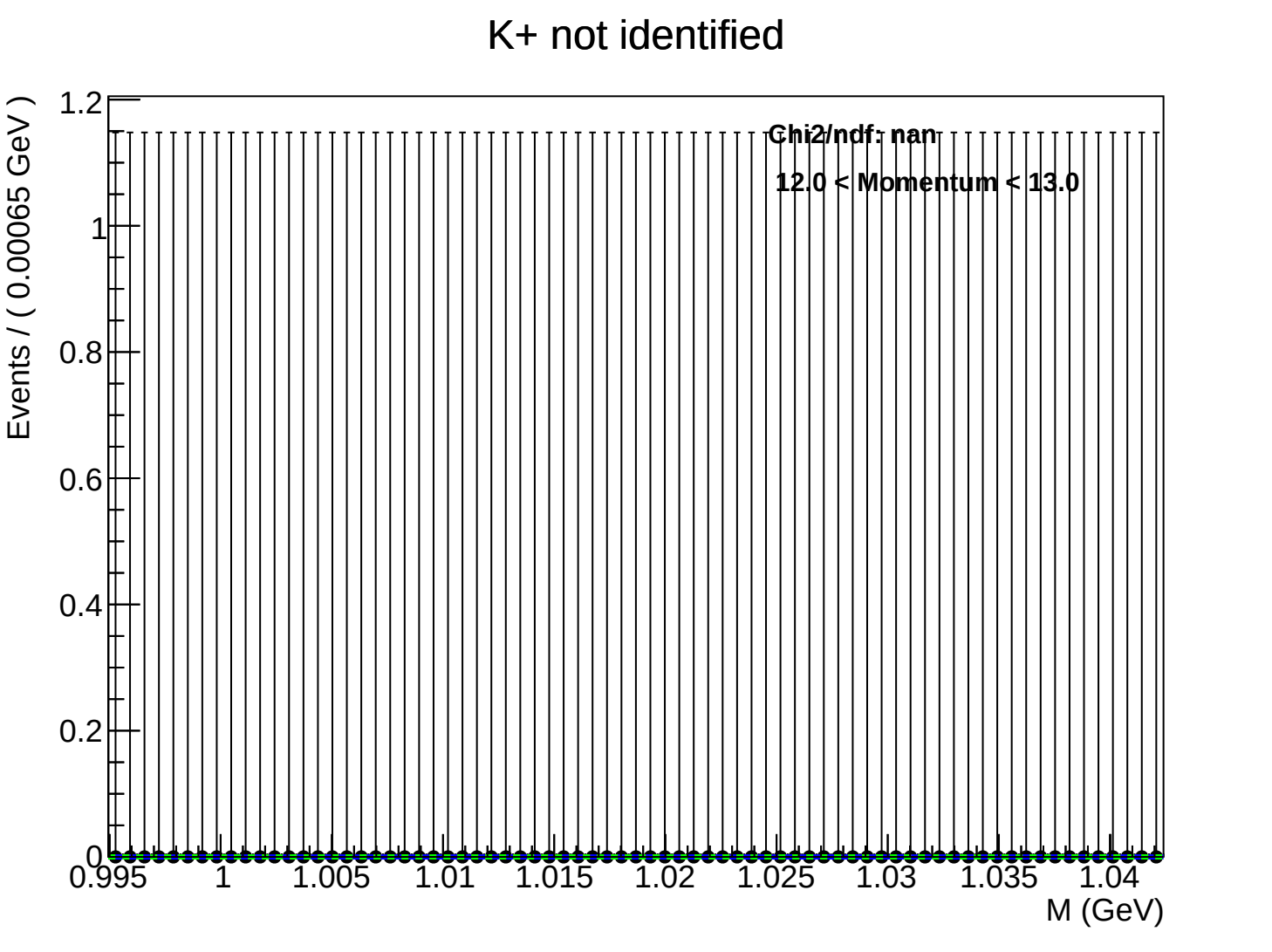

K+ as Proton
Chi2/ndf: 1.04
30.0 < Momentum < 35.0
Events / (0.00065 GeV)
M (GeV)
0
2
4
6
8
10
12
14
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

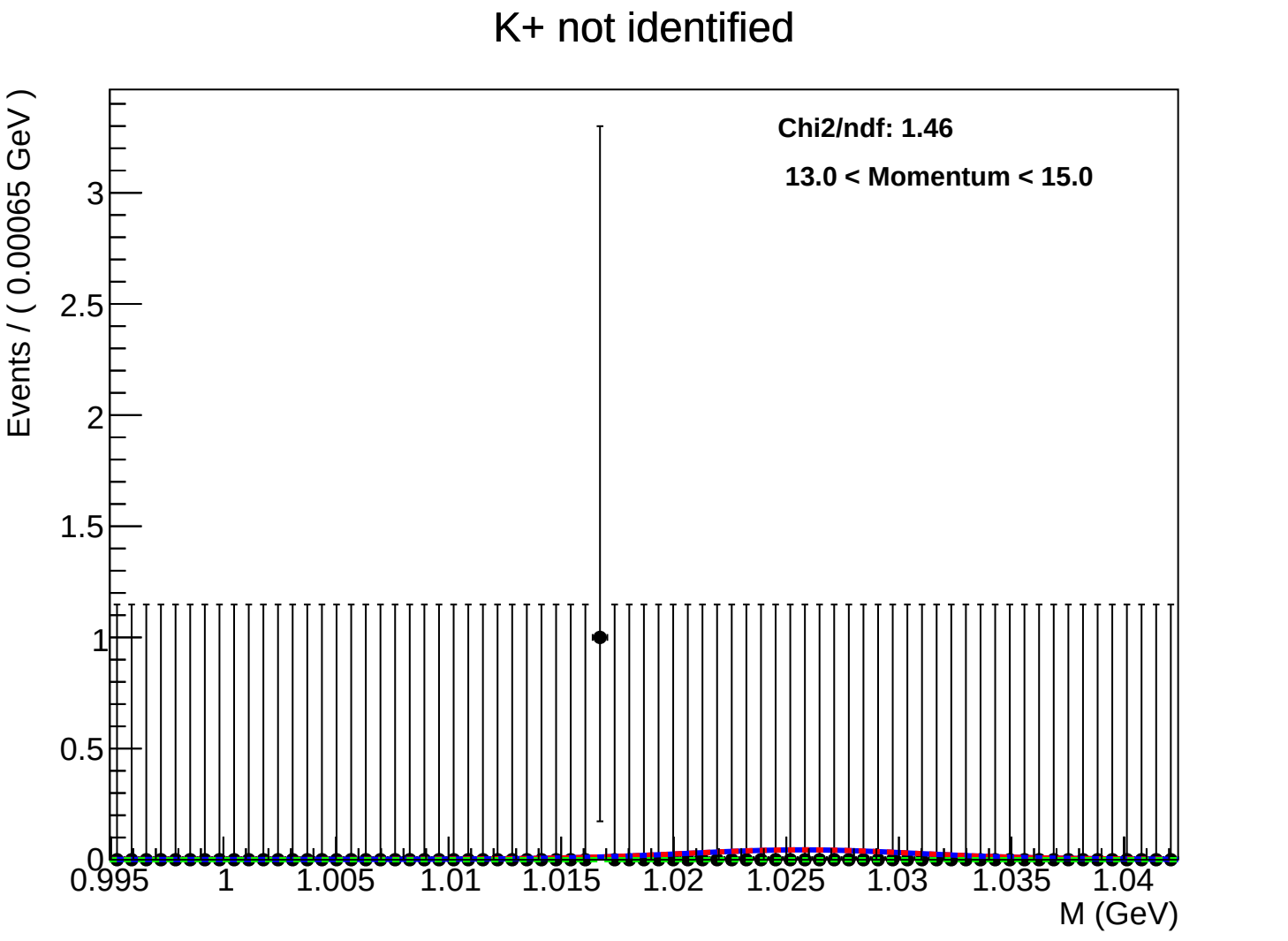

K+ as Proton
Chi2/ndf: 0.98
35.0 < Momentum < 40.0
Events / (0.00065 GeV)
M (GeV)
0
1
2
3
4
5
6
7
8
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

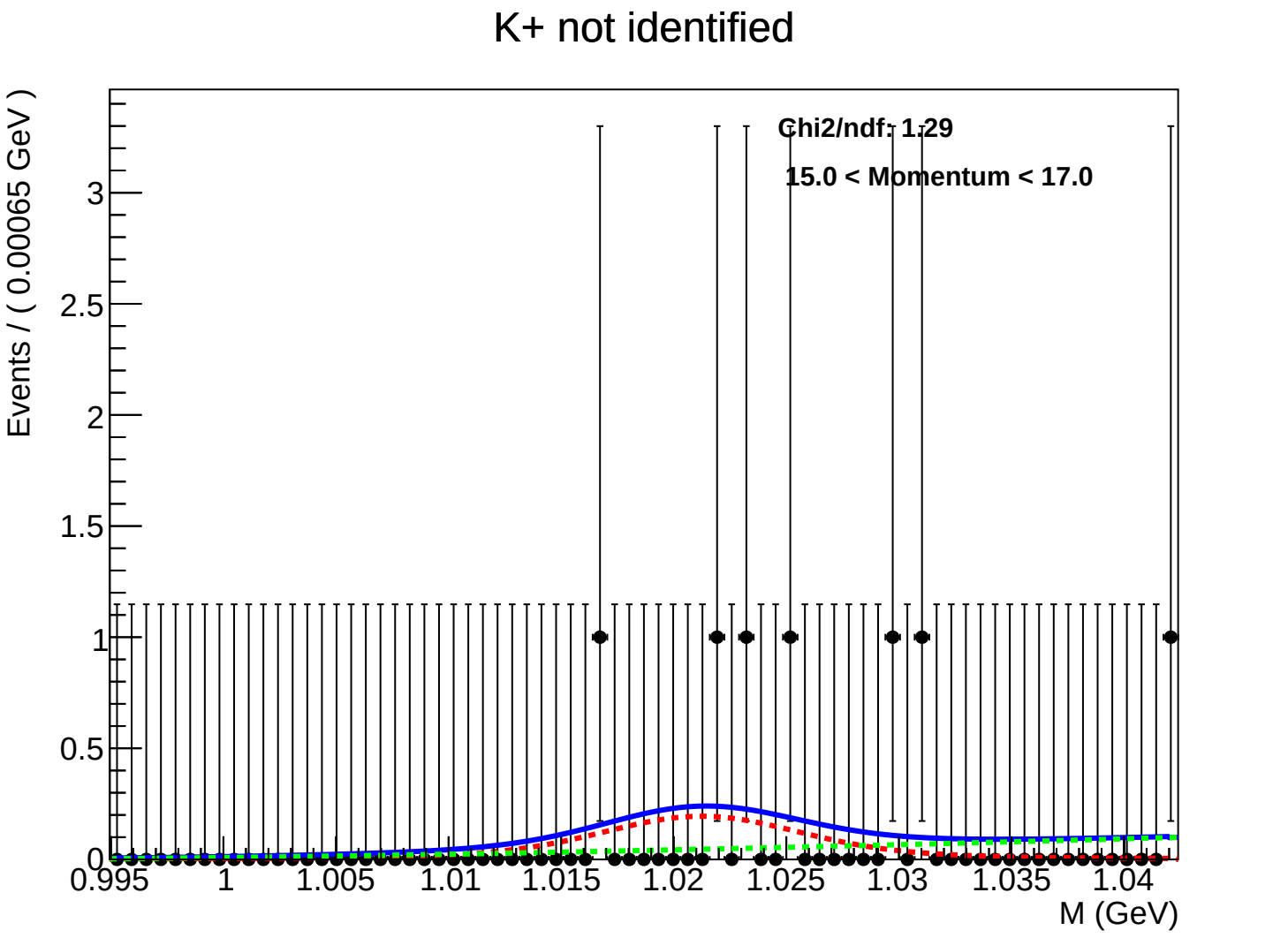

K+ as Proton
Chi2/ndf: 1.98
40.0 < Momentum < 50.0
Events / (0.00065 GeV)
M (GeV)
0
2
4
6
8
10
12
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

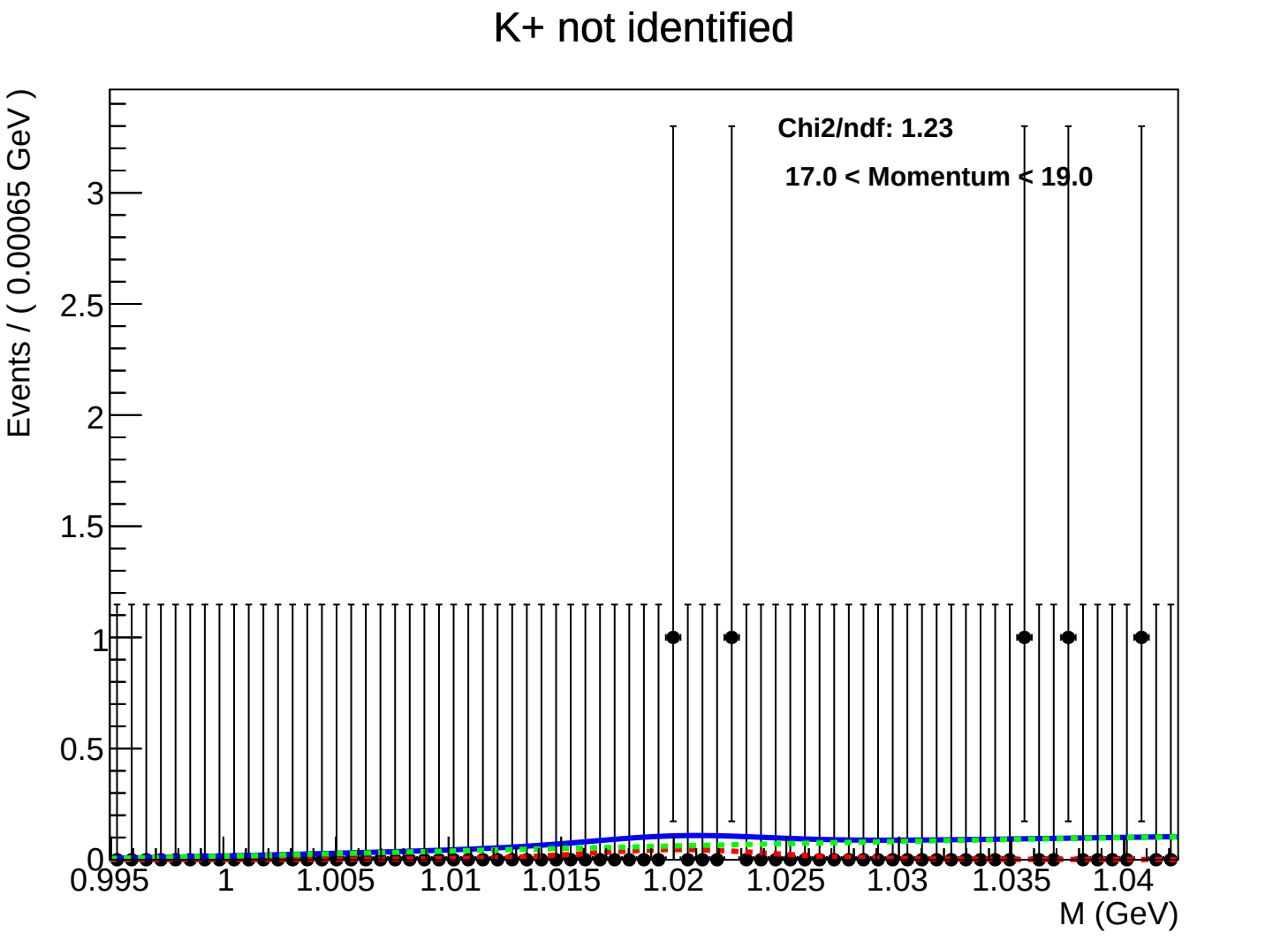

K+ not identified
Chi2/ndf: nan
10.0 < Momentum < 11.0
Events / (0.00065 GeV)
M (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04


K+ not identified
Chi2/ndf: nan
11.0 < Momentum < 12.0
Events / (0.00065 GeV)
M (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

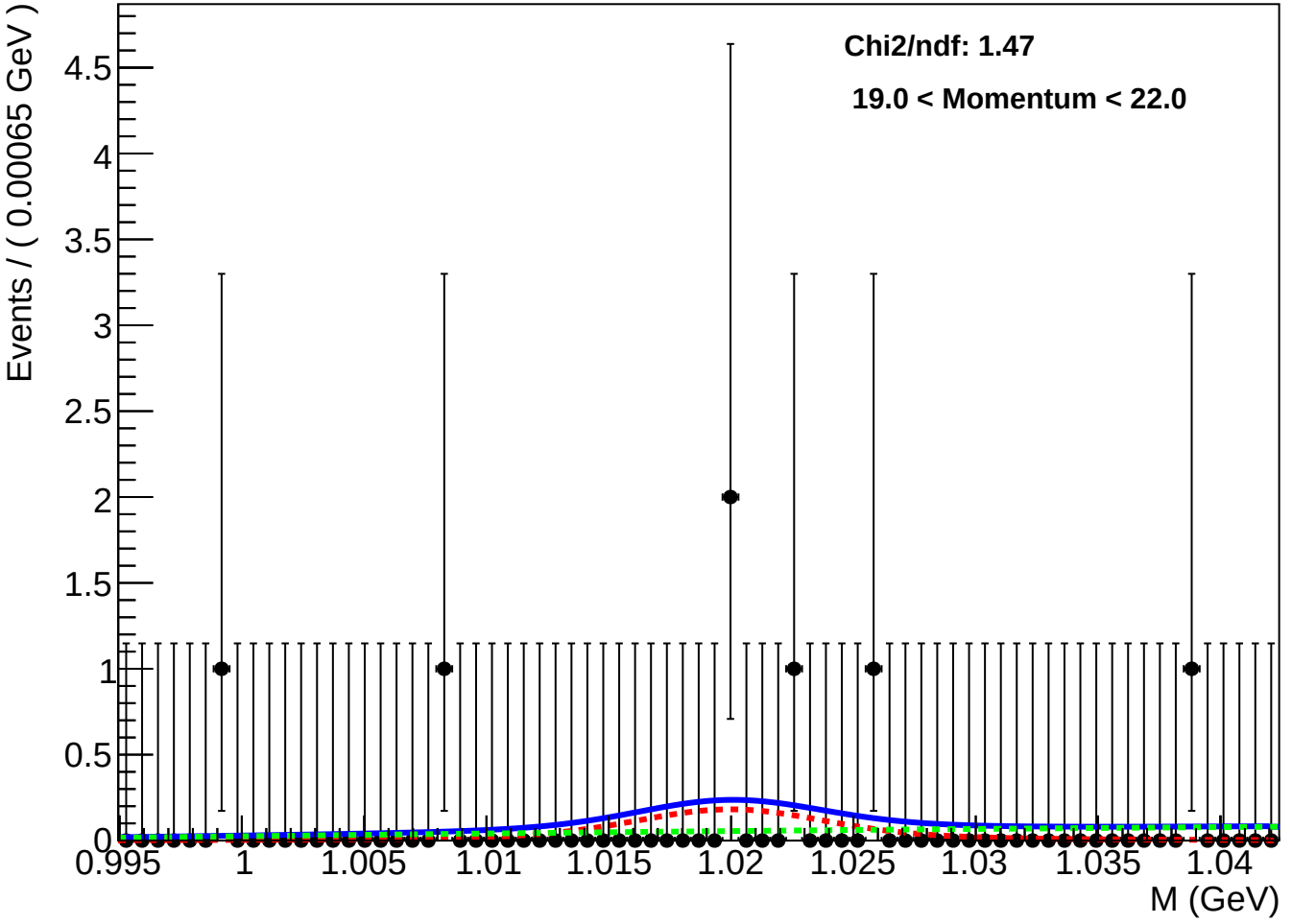

K+ not identified
Chi2/ndf: nan
12.0 < Momentum < 13.0
Events / (0.00065 GeV)
M (GeV)
0
0.2
0.4
0.6
0.8
1
1.2
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

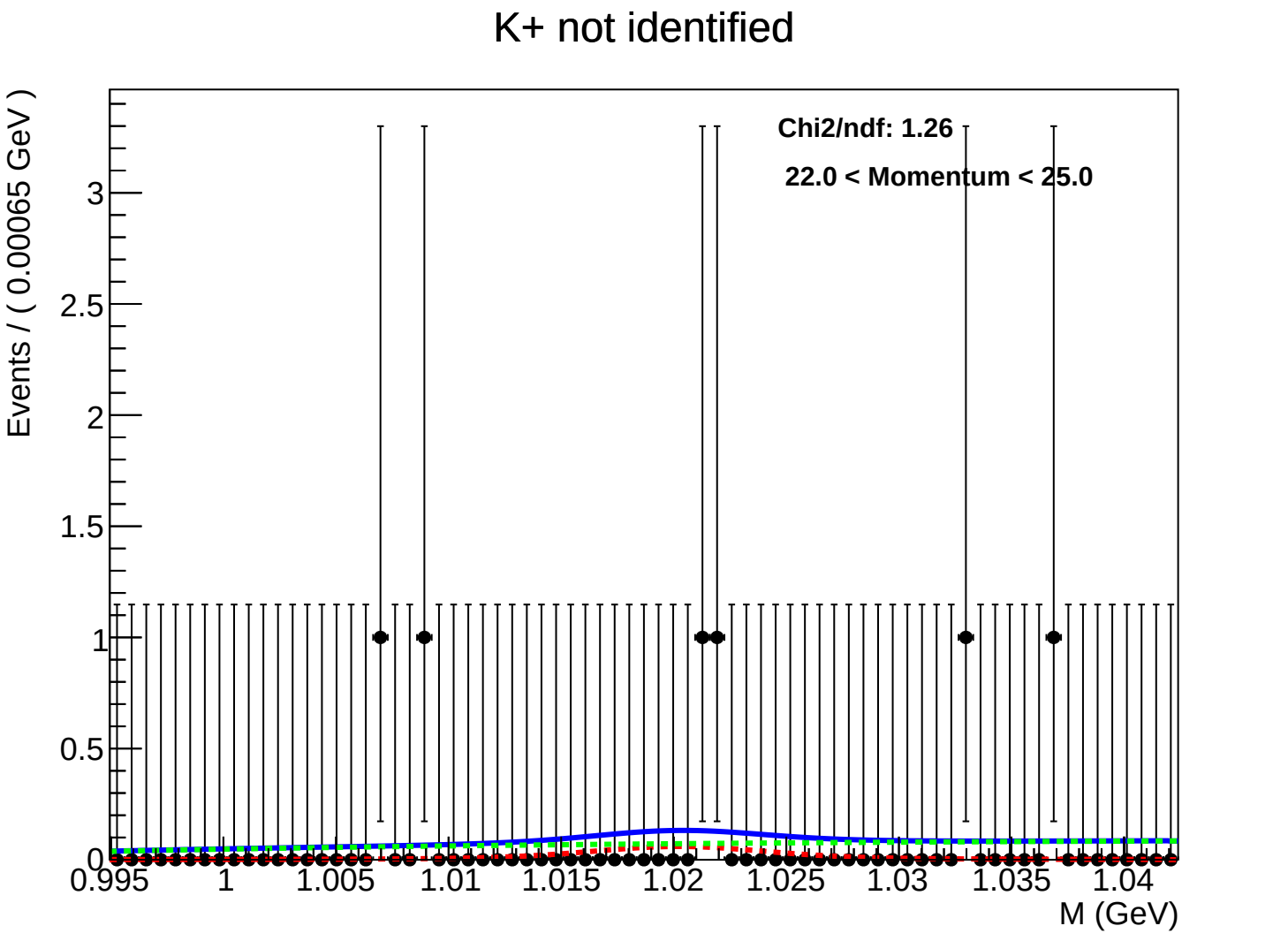

K+ not identified
Chi2/ndf: 1.46
13.0 < Momentum < 15.0
Events / (0.00065 GeV)
0
0.5
1
1.5
2
2.5
3
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04
M (GeV)

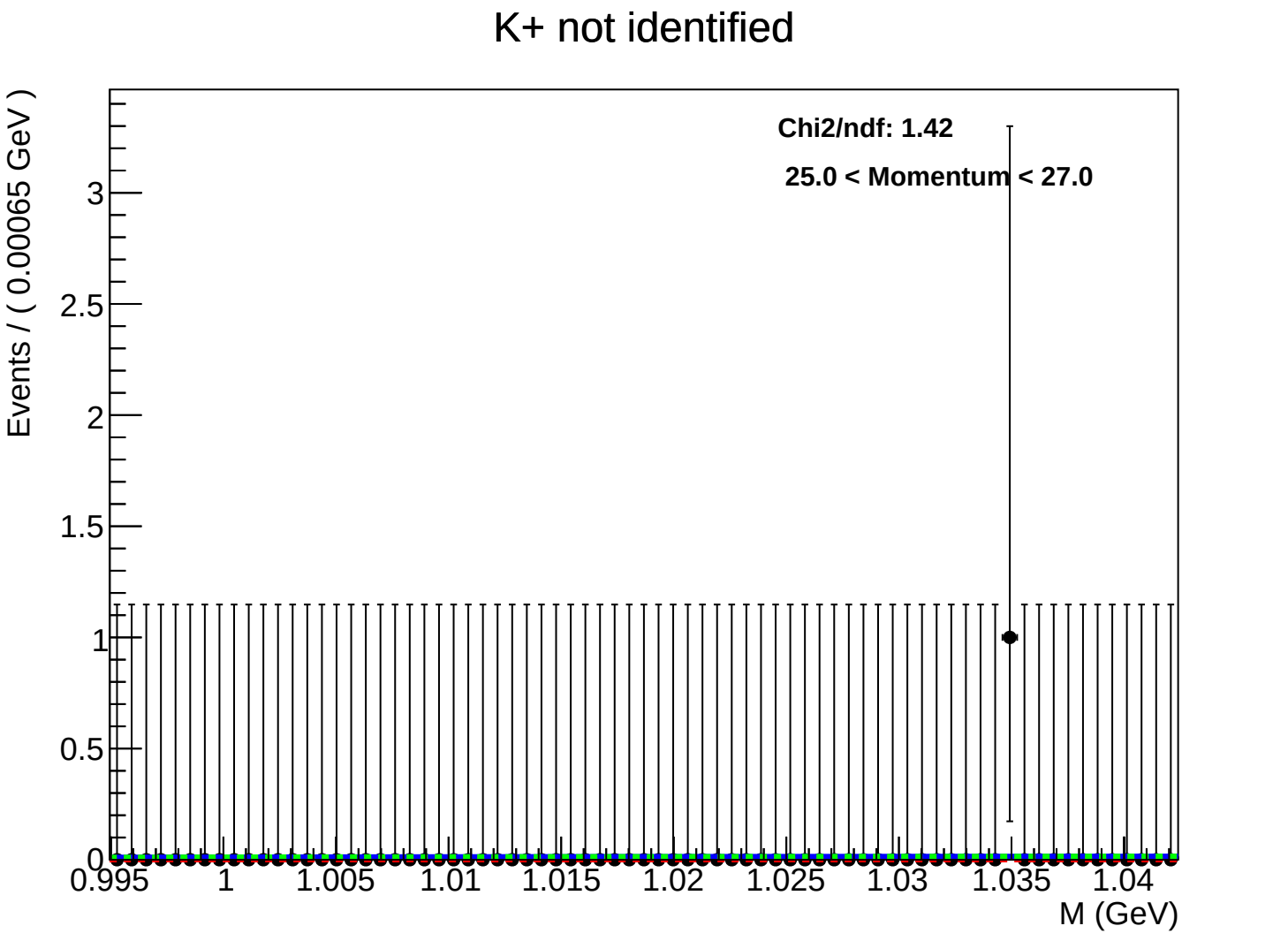

K+ not identified
Chi2/ndf: 1.29
15.0 < Momentum < 17.0
Events / (0.00065 GeV)
0
0.5
1
1.5
2
2.5
3
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04
M (GeV)

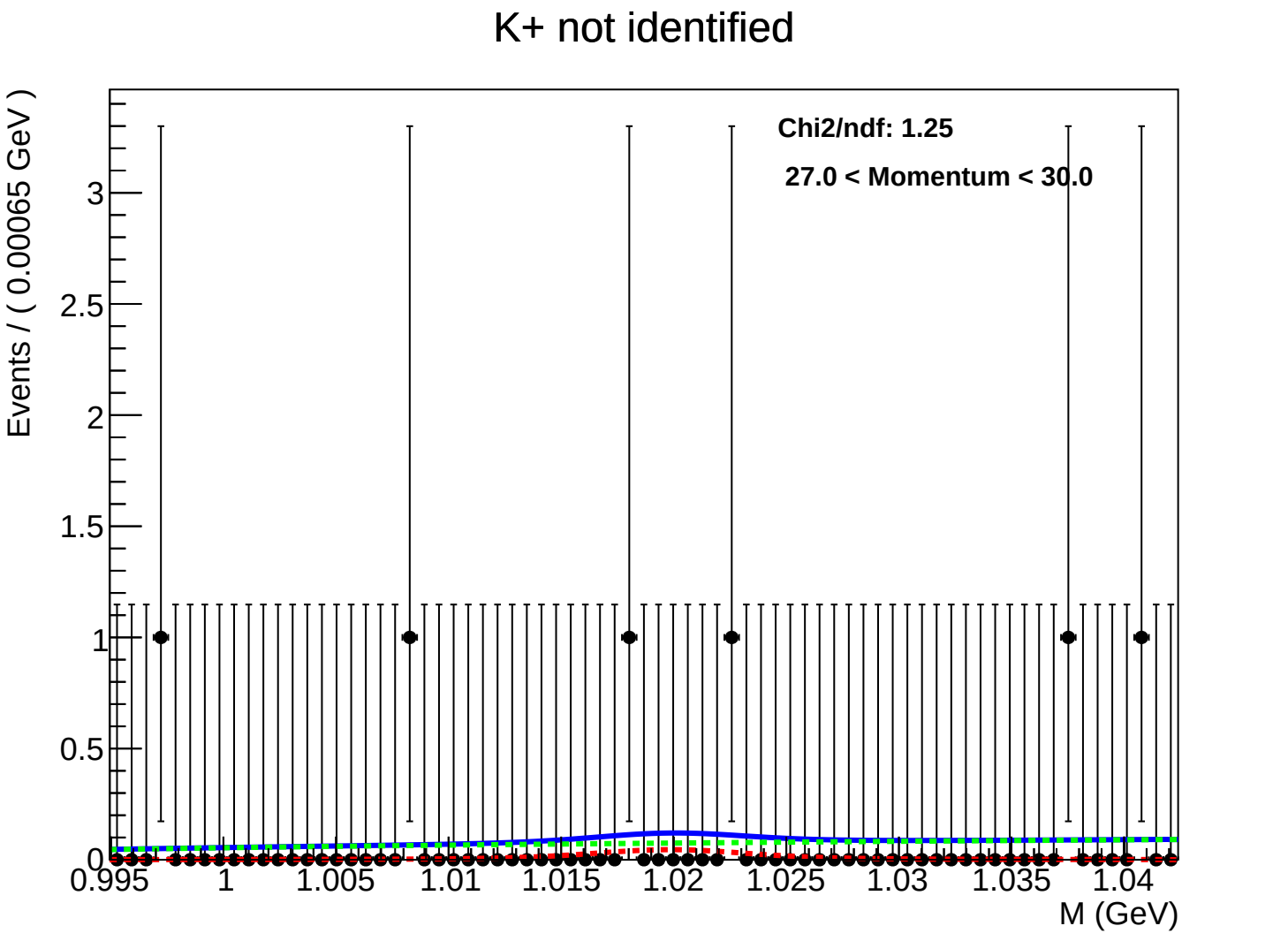

K+ not identified
Chi2/ndf: 1.23
17.0 < Momentum < 19.0
Events / (0.00065 GeV)
M (GeV)
0
0.5
1
1.5
2
2.5
3
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

K+ not identified

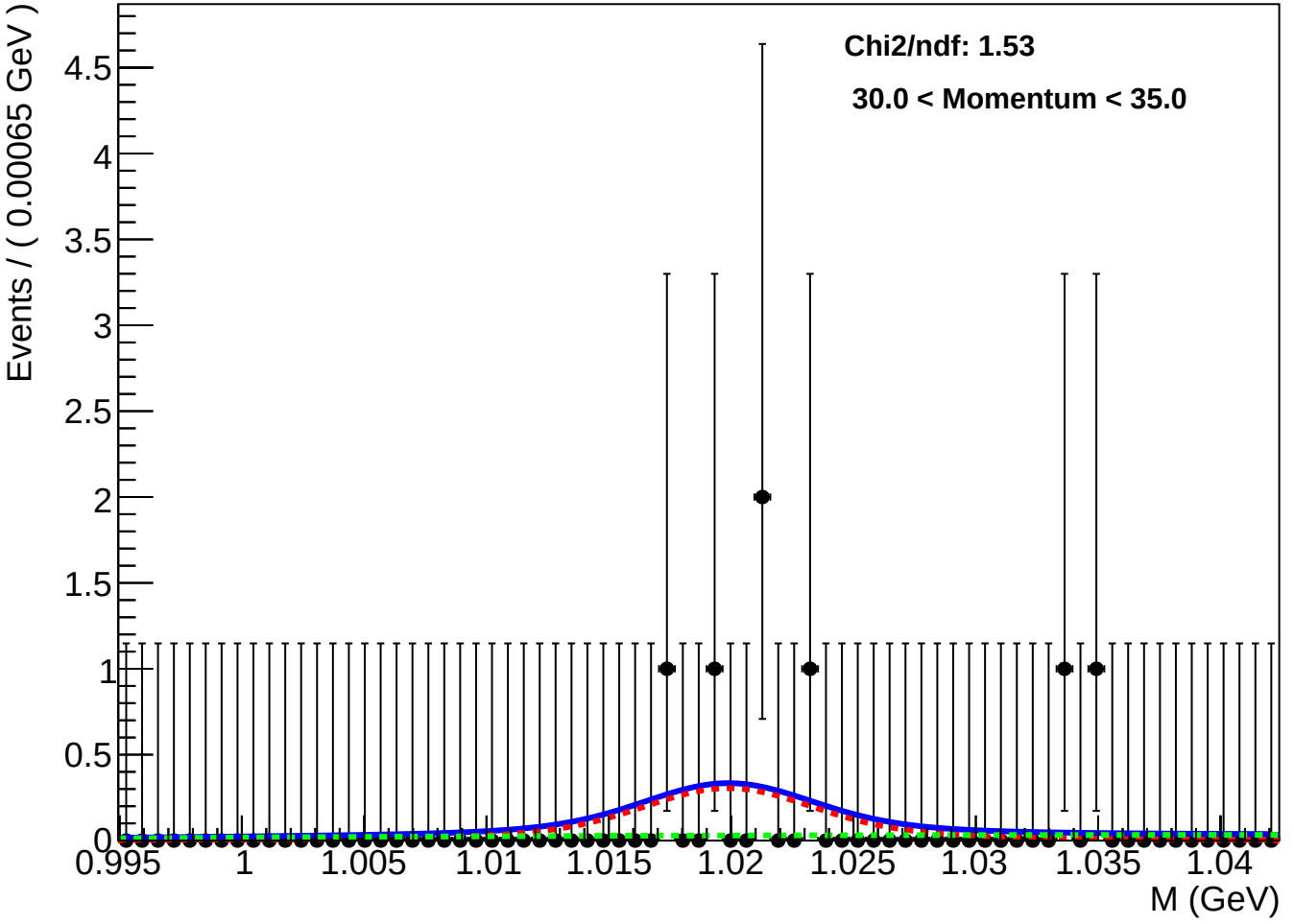


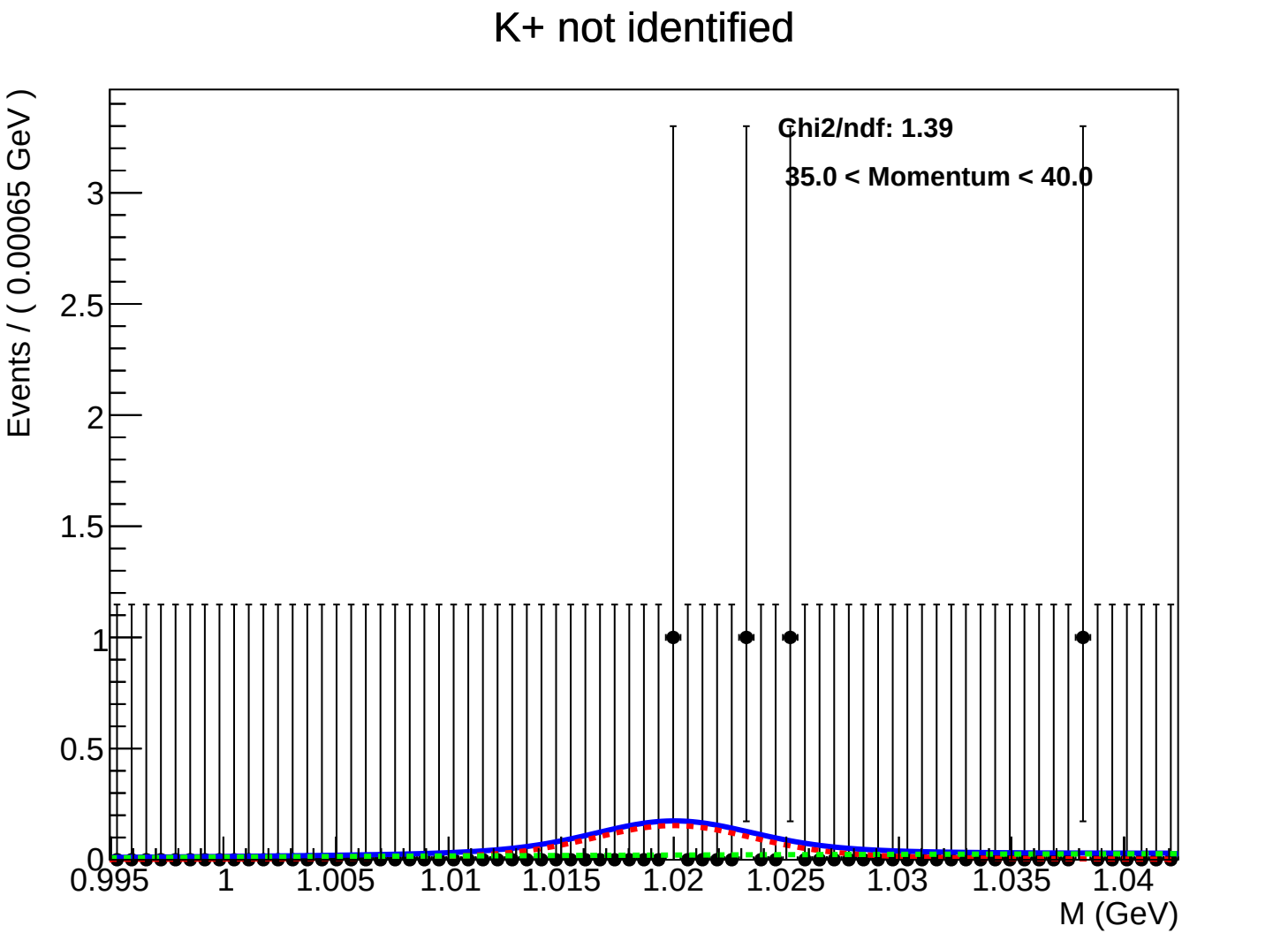

K+ not identified
Chi2/ndf: 1.26
22.0 < Momentum < 25.0
Events / (0.00065 GeV)
M (GeV)
0
0.5
1
1.5
2
2.5
3
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

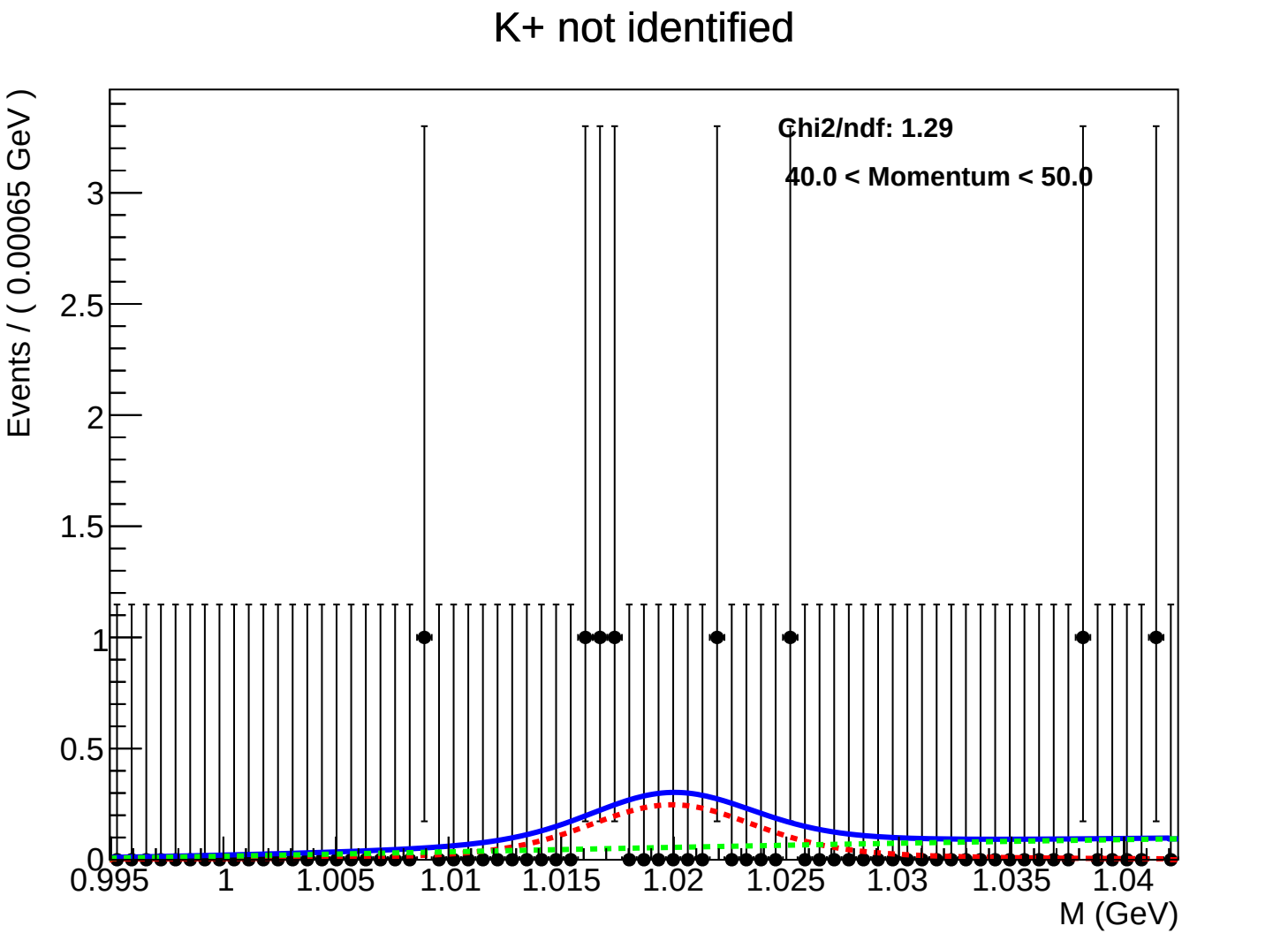

K+ not identified
Chi2/ndf: 1.42
25.0 < Momentum < 27.0
Events / (0.00065 GeV)
0
0.5
1
1.5
2
2.5
3
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04
M (GeV)


K+ not identified
Chi2/ndf: 1.25
27.0 < Momentum < 30.0
Events / (0.00065 GeV)
M (GeV)
0
0.5
1
1.5
2
2.5
3
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

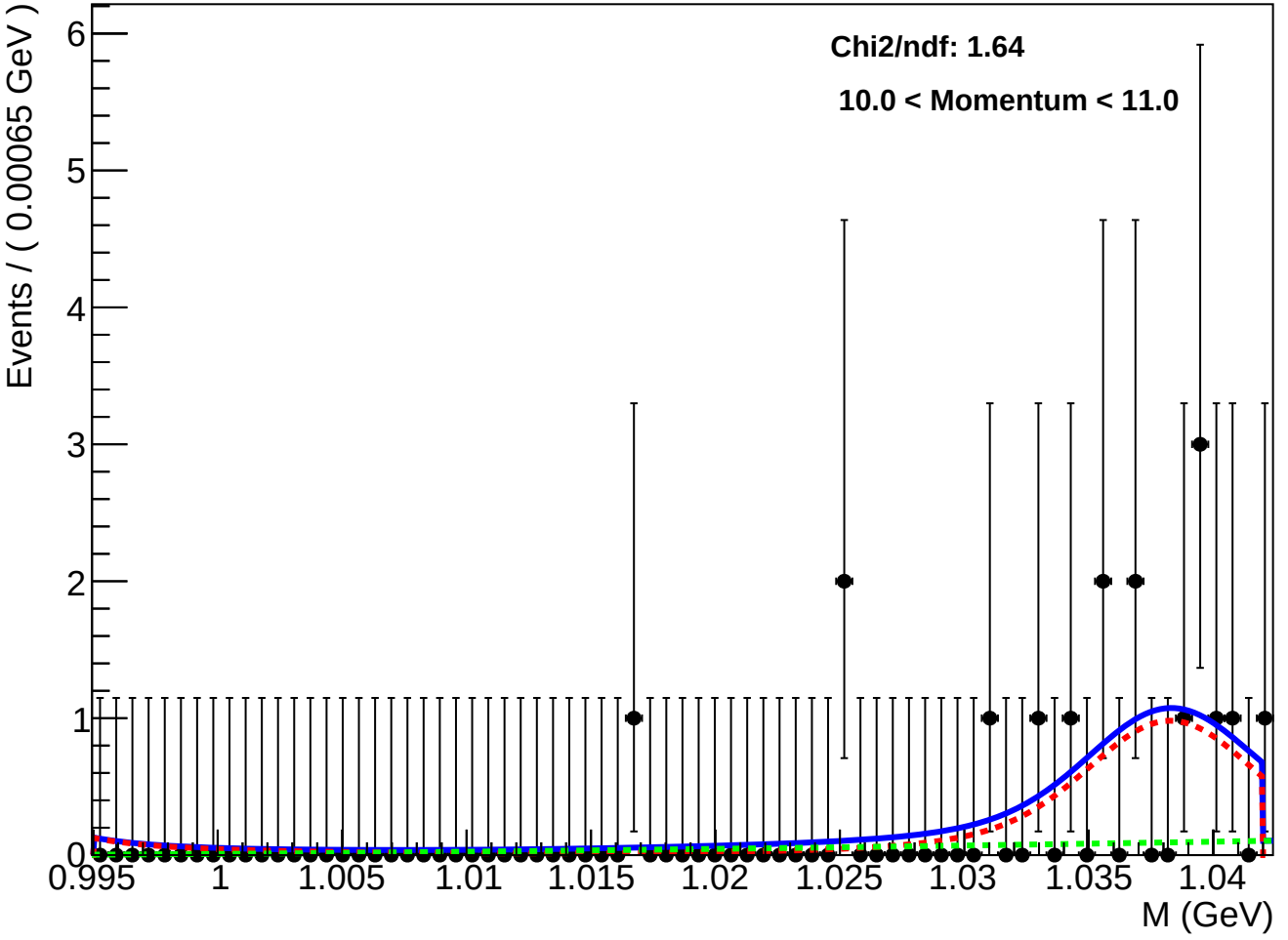
K+ not identified



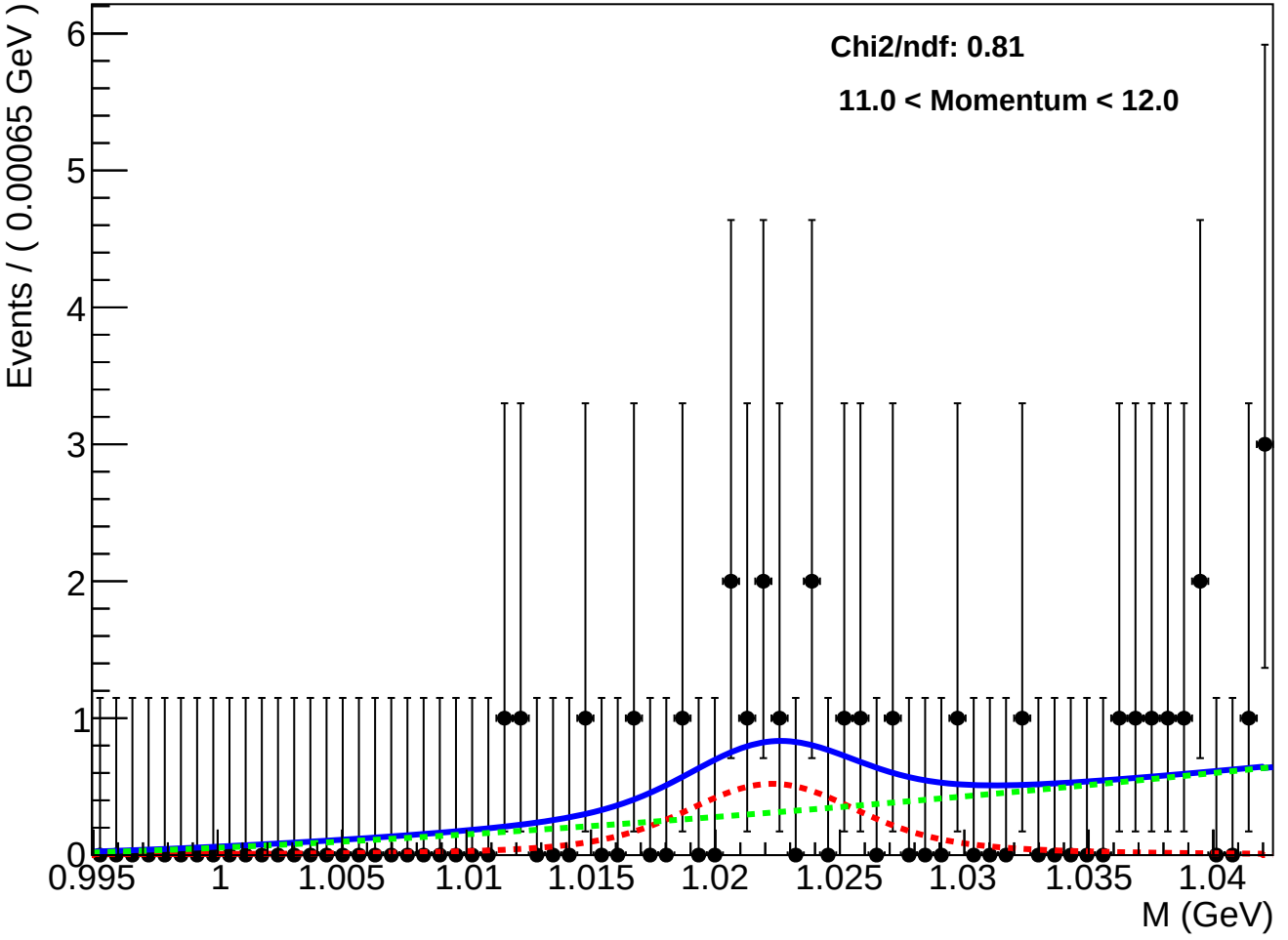

K+ not identified
Chi2/ndf: 1.39
35.0 < Momentum < 40.0
Events / (0.00065 GeV)
M (GeV)
0
0.5
1
1.5
2
2.5
3
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

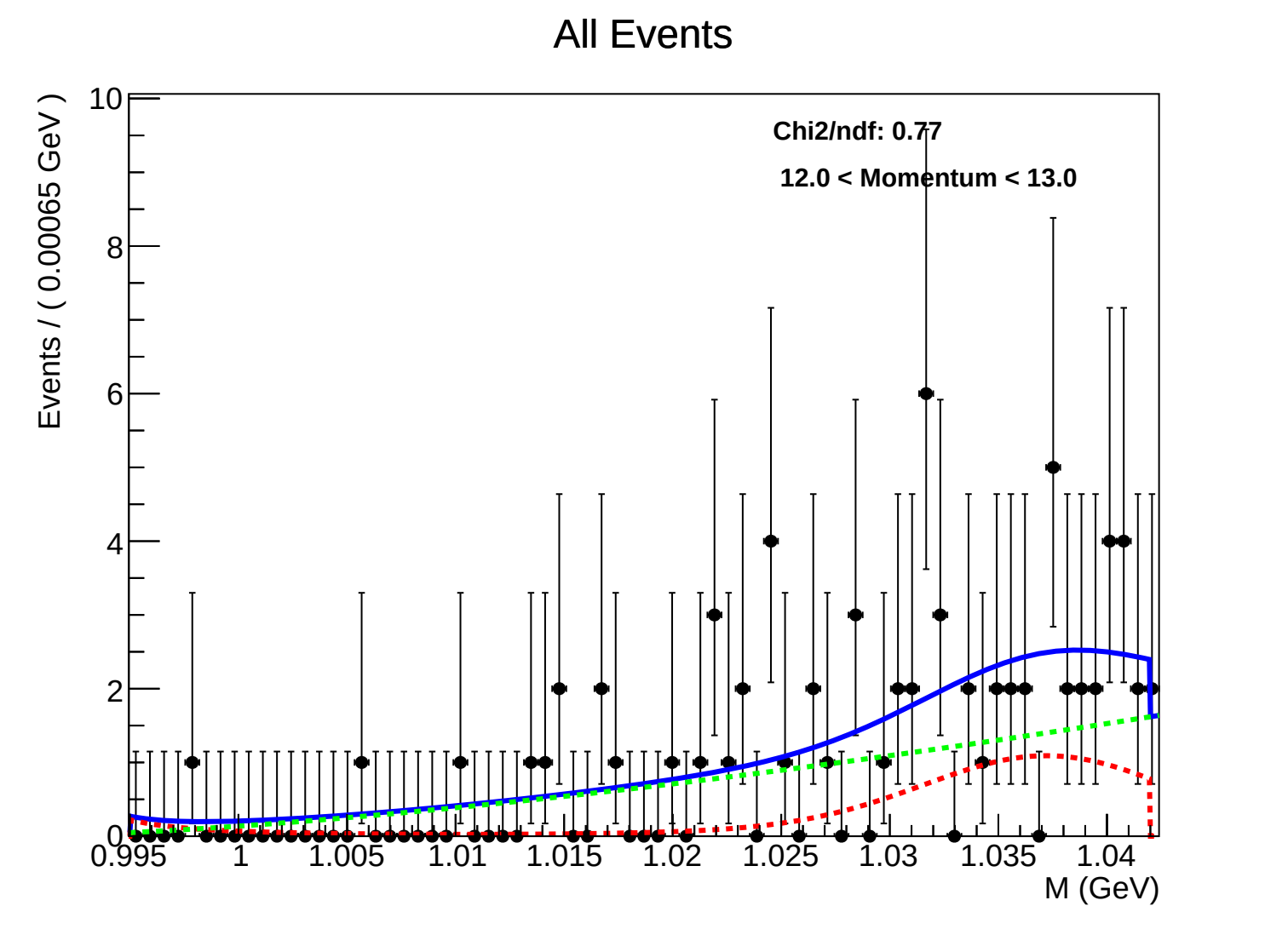

K+ not identified
Chi2/ndf: 1.29
40.0 < Momentum < 50.0
Events / (0.00065 GeV)
M (GeV)
0
0.5
1
1.5
2
2.5
3
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

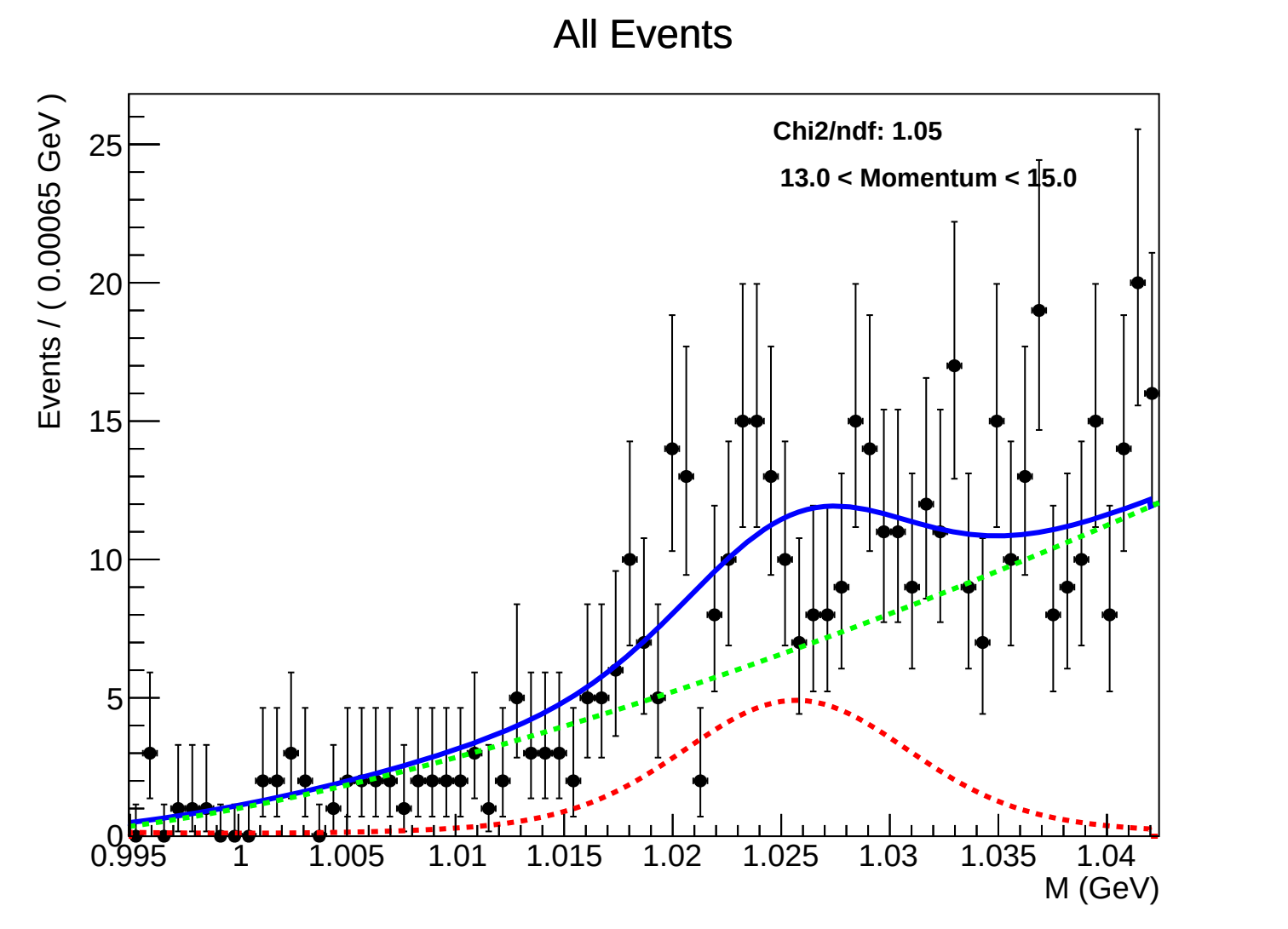
All Events

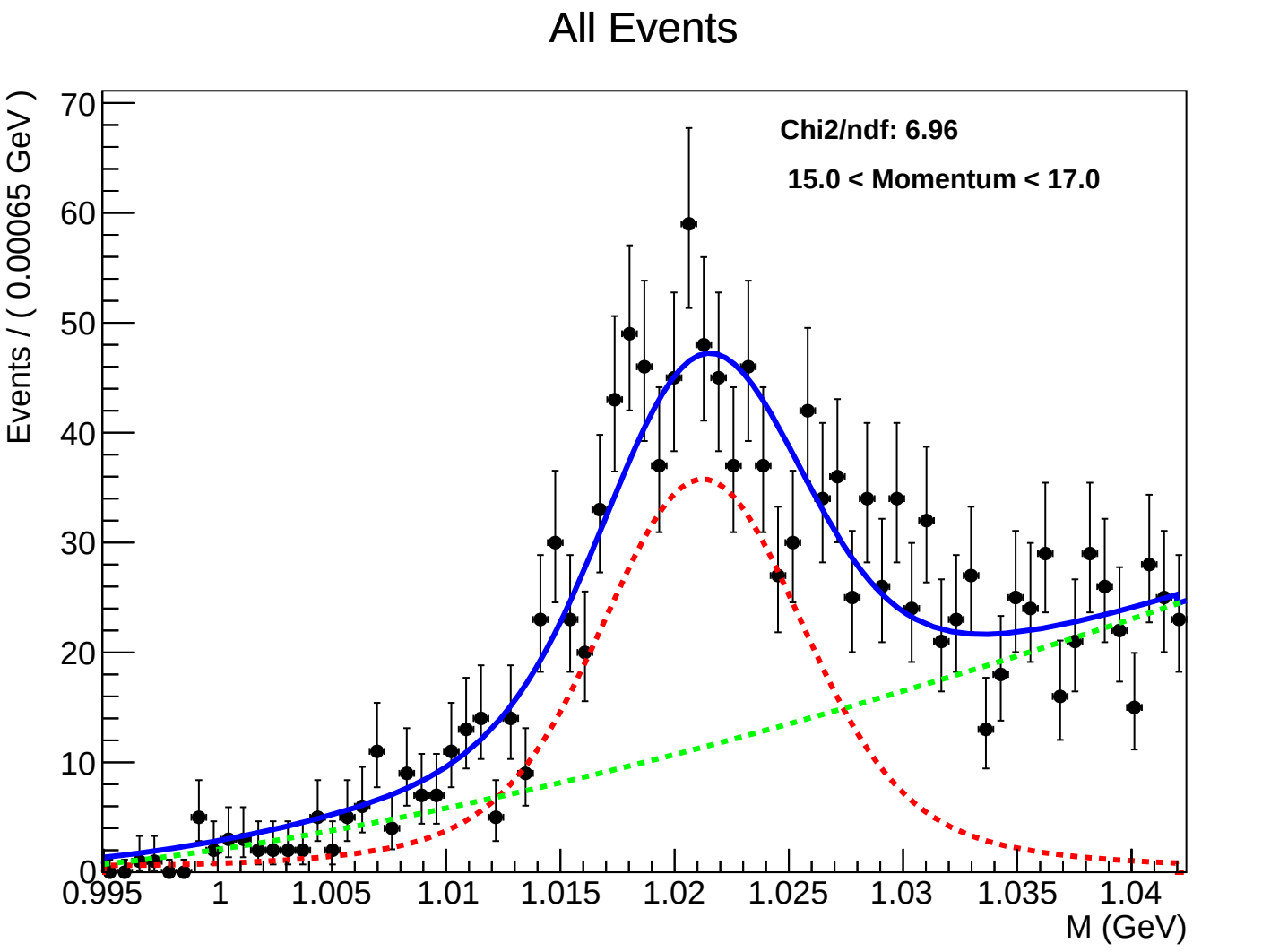

Chi2/ndf: 1.64
10.0 < Momentum < 11.0
Events / (0.00065 GeV)
M (GeV)
0
1
2
3
4
5
6
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

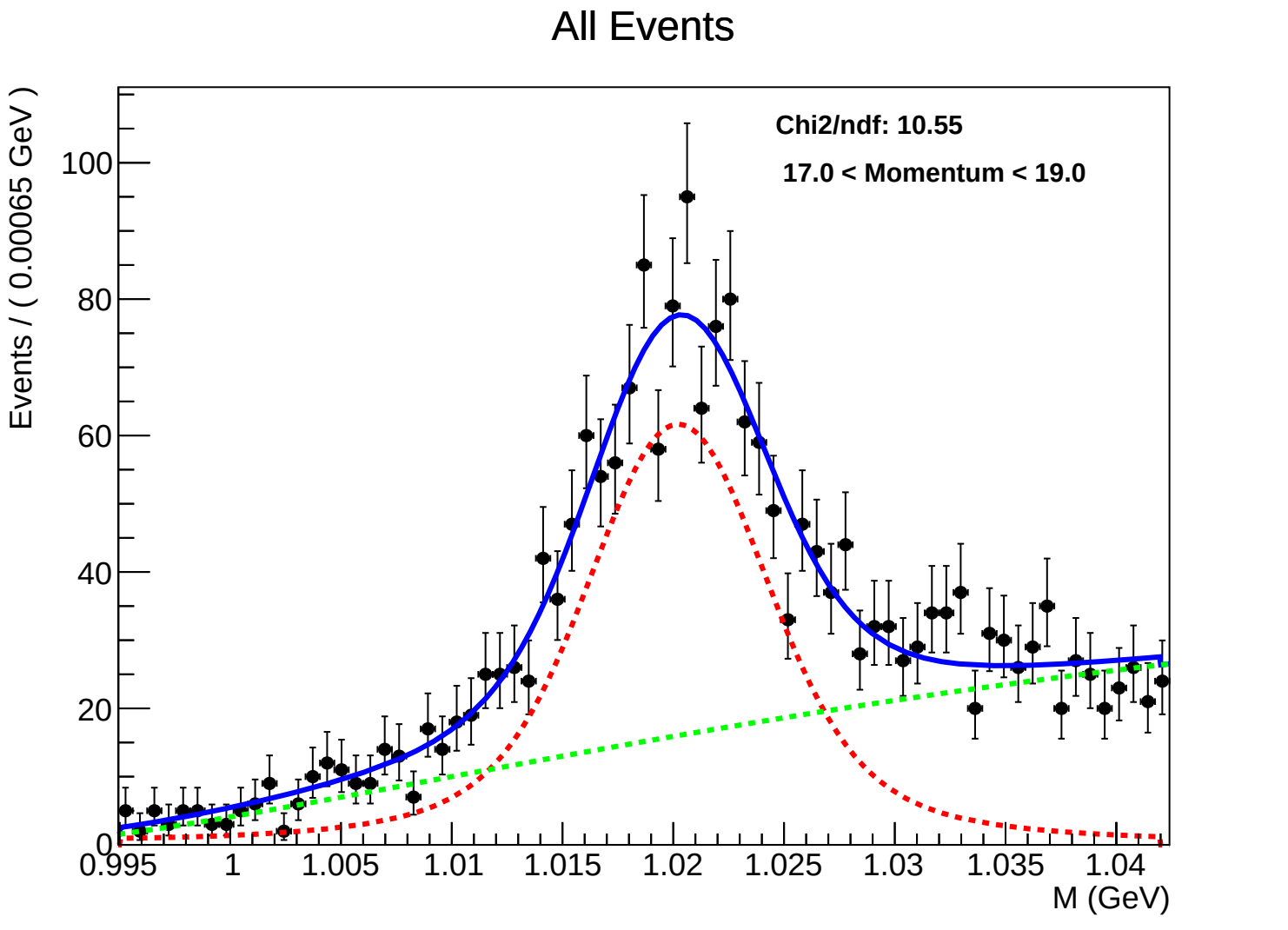
All Events

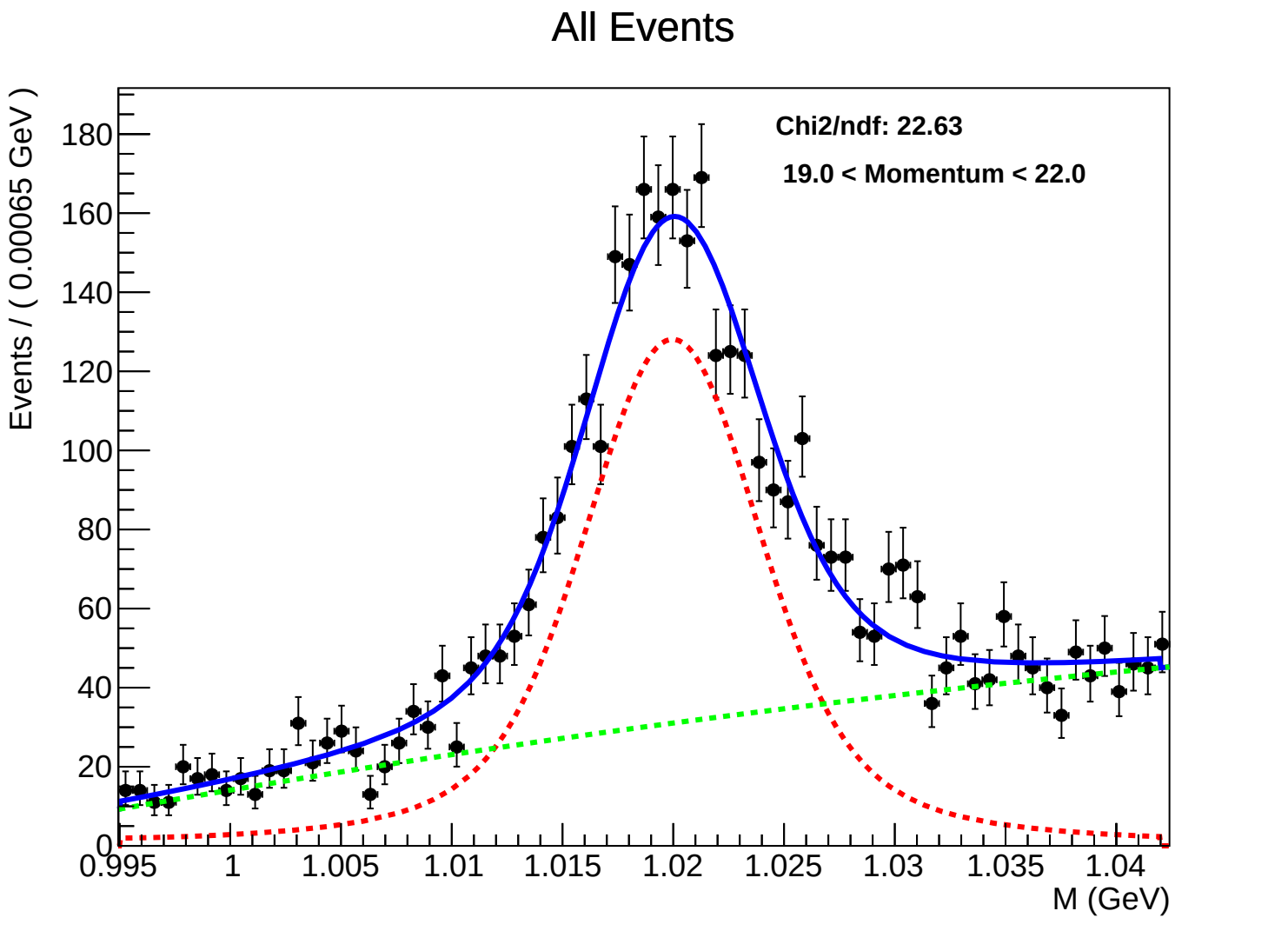

Chi2/ndf: 0.81
11.0 < Momentum < 12.0
Events / (0.00065 GeV)
M (GeV)
0
1
2
3
4
5
6
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

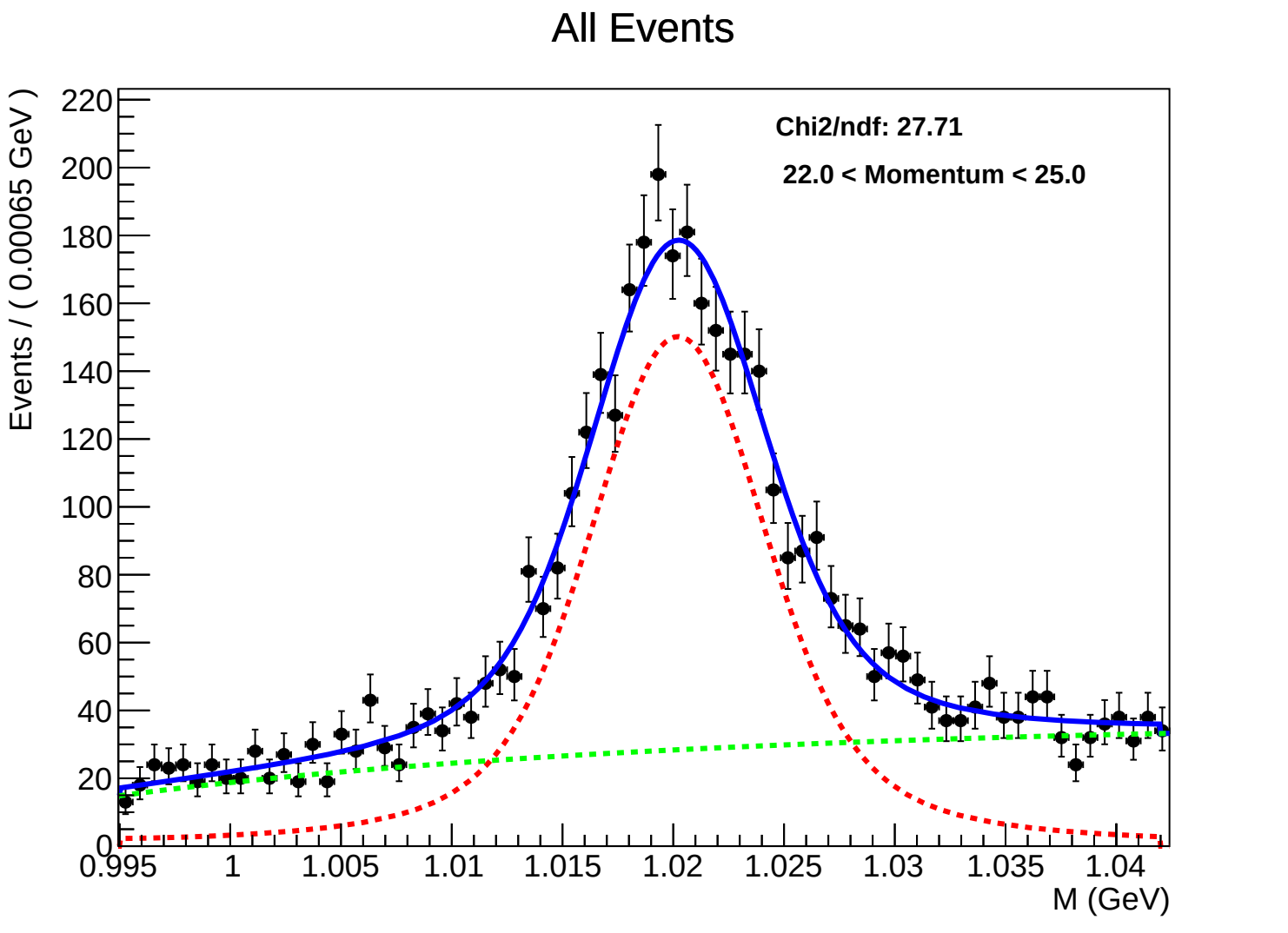

All Events
Chi2/ndf: 0.77
12.0 < Momentum < 13.0
Events / (0.00065 GeV)
M (GeV)
0
2
4
6
8
10
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04


All Events
Chi2/ndf: 1.05
13.0 < Momentum < 15.0
Events / (0.00065 GeV)
M (GeV)
0
5
10
15
20
25
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

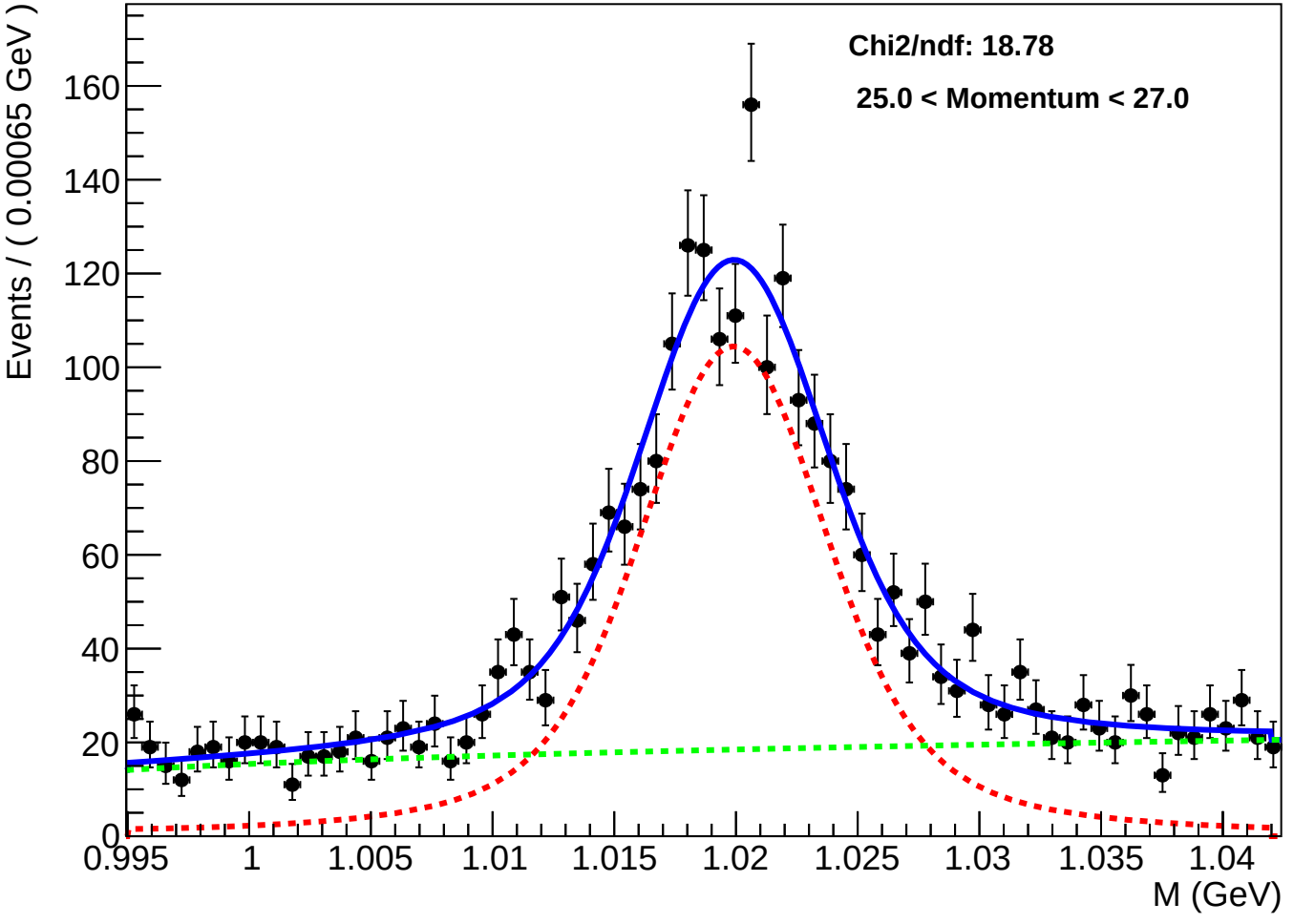

All Events
Chi2/ndf: 6.96
15.0 < Momentum < 17.0
Events / (0.00065 GeV)
M (GeV)
0
10
20
30
40
50
60
70
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

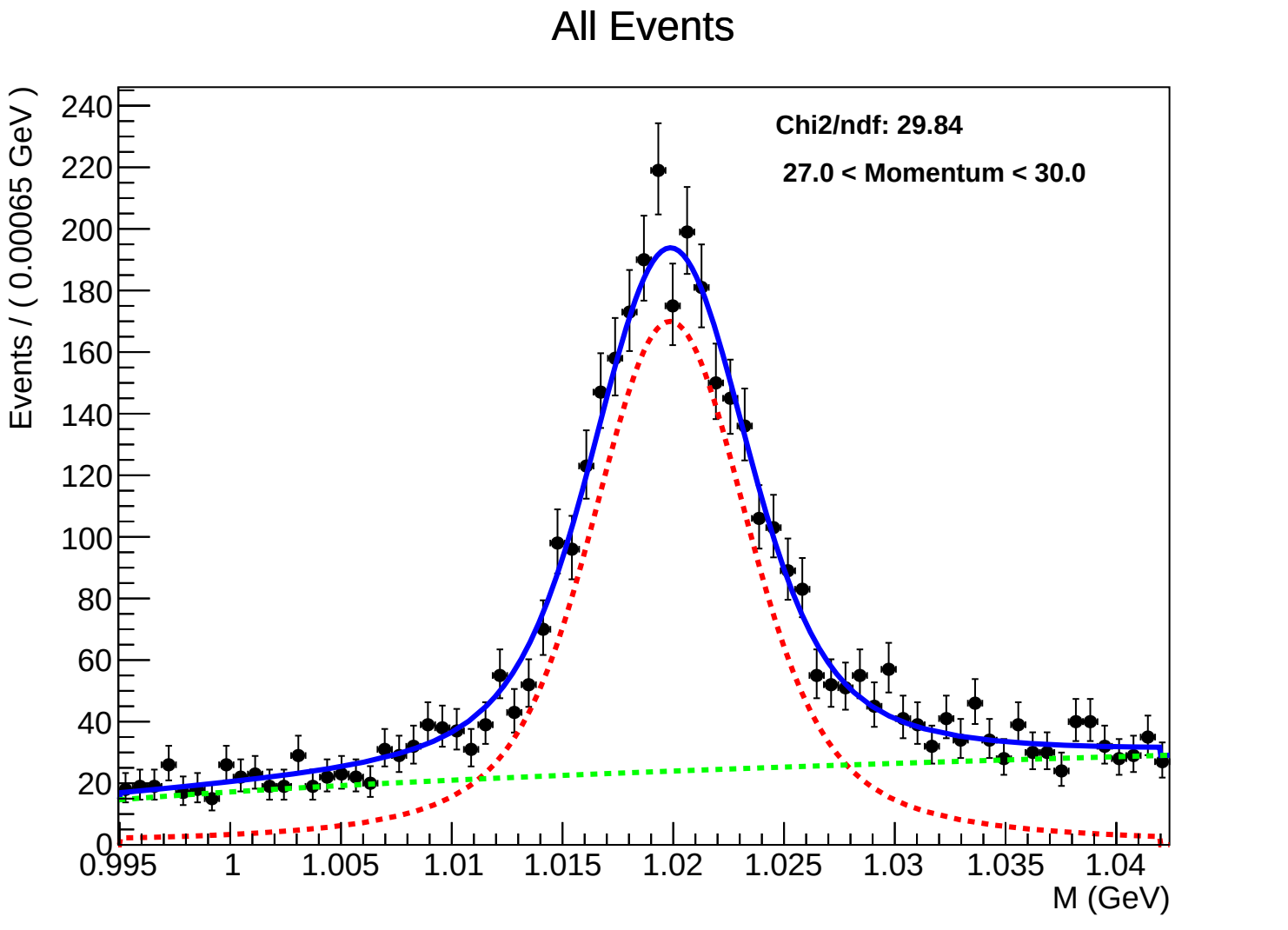

All Events
Chi2/ndf: 10.55
17.0 < Momentum < 19.0
Events / (0.00065 GeV)
M (GeV)
0
20
40
60
80
100
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

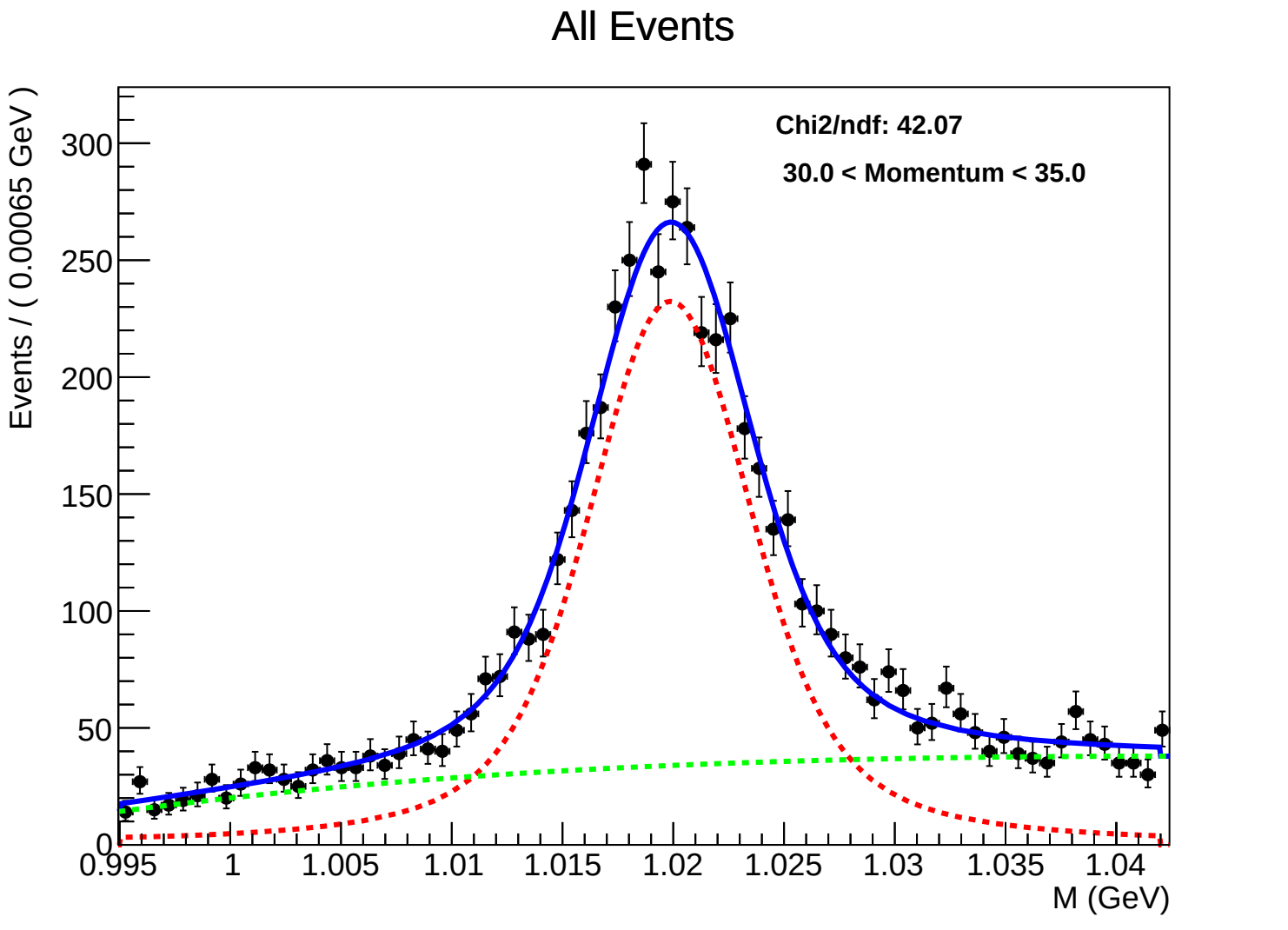

All Events
Chi2/ndf: 22.63
19.0 < Momentum < 22.0
Events / (0.00065 GeV)
M (GeV)
0
20
40
60
80
100
120
140
160
180
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04


All Events
Chi2/ndf: 27.71
22.0 < Momentum < 25.0
Events / (0.00065 GeV)
M (GeV)
0
20
40
60
80
100
120
140
160
180
200
220
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

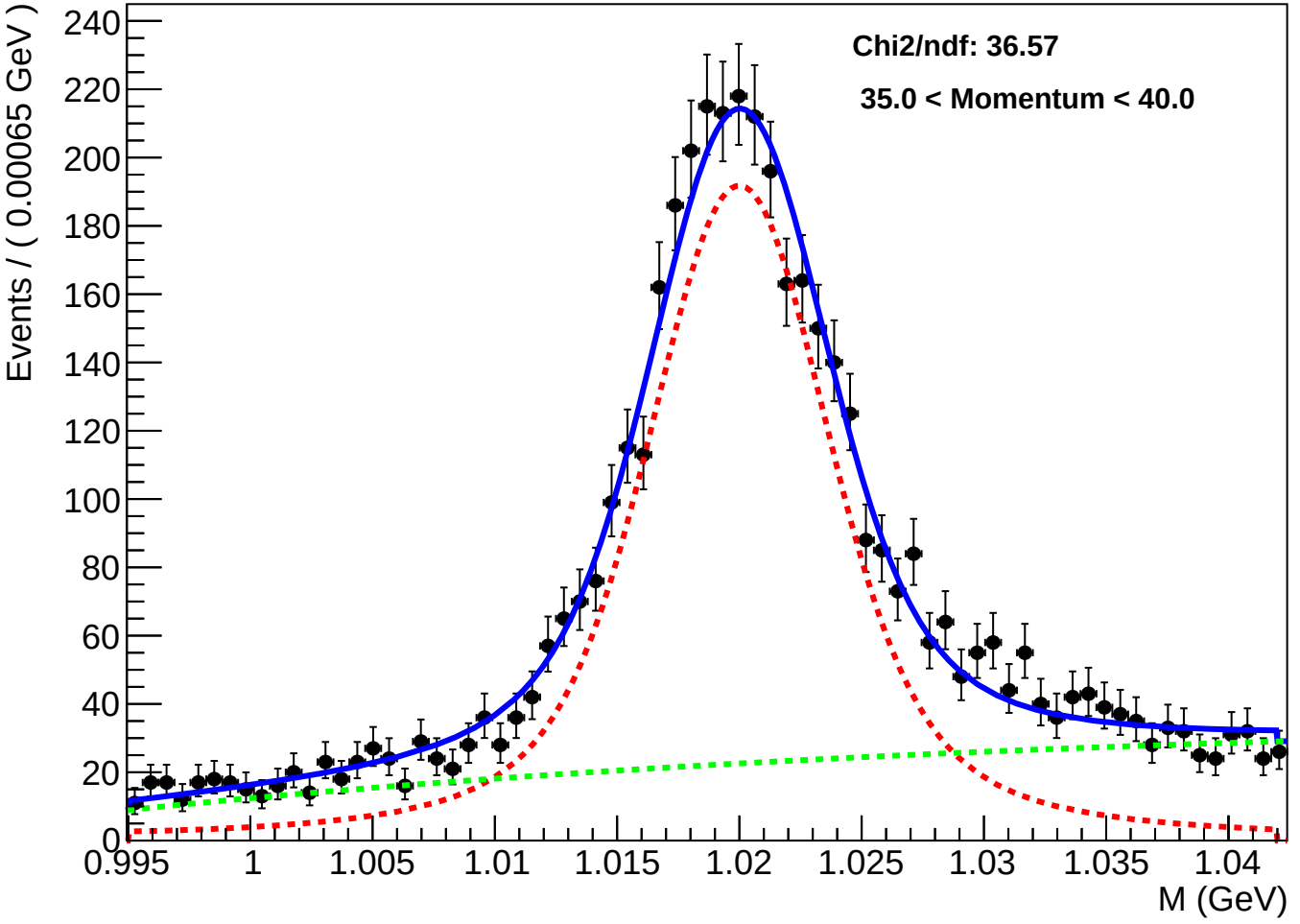
All Events

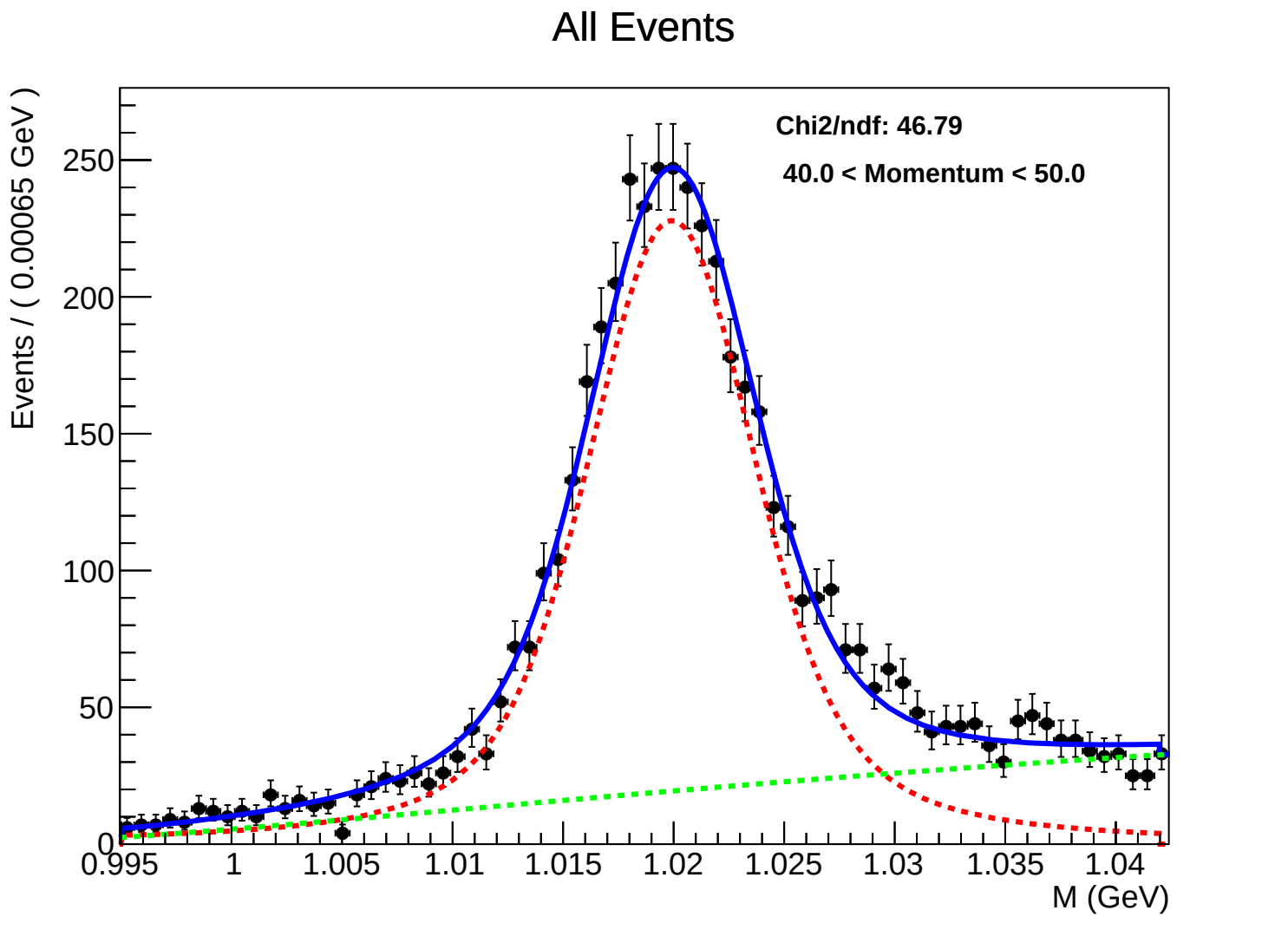

Chi2/ndf: 18.78
25.0 < Momentum < 27.0
Events / (0.00065 GeV)
M (GeV)
0
20
40
60
80
100
120
140
160
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04


All Events
Chi2/ndf: 29.84
27.0 < Momentum < 30.0
Events / (0.00065 GeV)
M (GeV)
0
20
40
60
80
100
120
140
160
180
200
220
240
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04


All Events
Chi2/ndf: 42.07
30.0 < Momentum < 35.0
Events / (0.00065 GeV)
M (GeV)
0
50
100
150
200
250
300
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04

All Events


Chi2/ndf: 36.57
35.0 < Momentum < 40.0
Events / (0.00065 GeV)
M (GeV)
0
20
40
60
80
100
120
140
160
180
200
220
240
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04


All Events
Chi2/ndf: 46.79
40.0 < Momentum < 50.0
Events / (0.00065 GeV)
M (GeV)
0
50
100
150
200
250
0.995
1
1.005
1.01
1.015
1.02
1.025
1.03
1.035
1.04