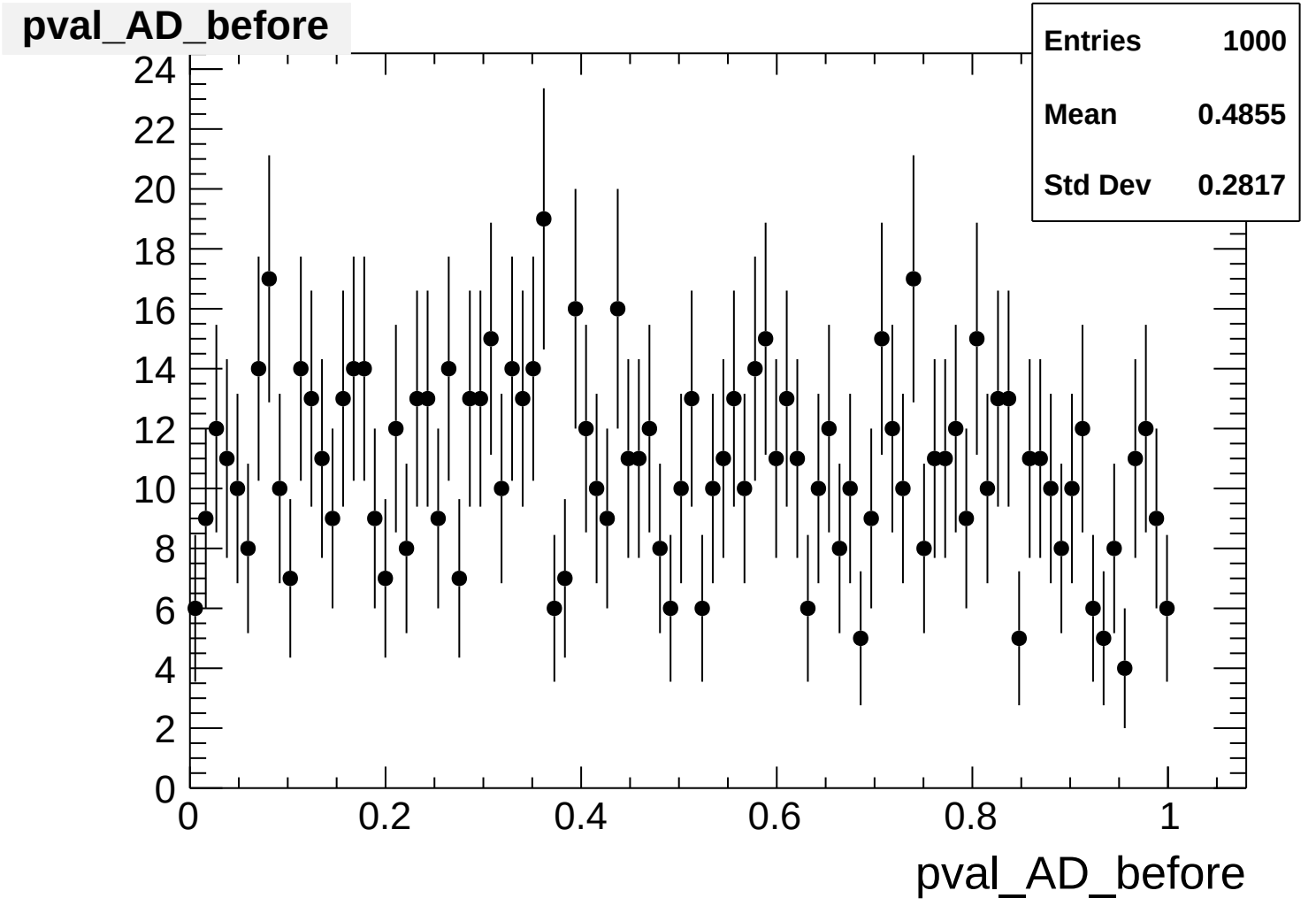
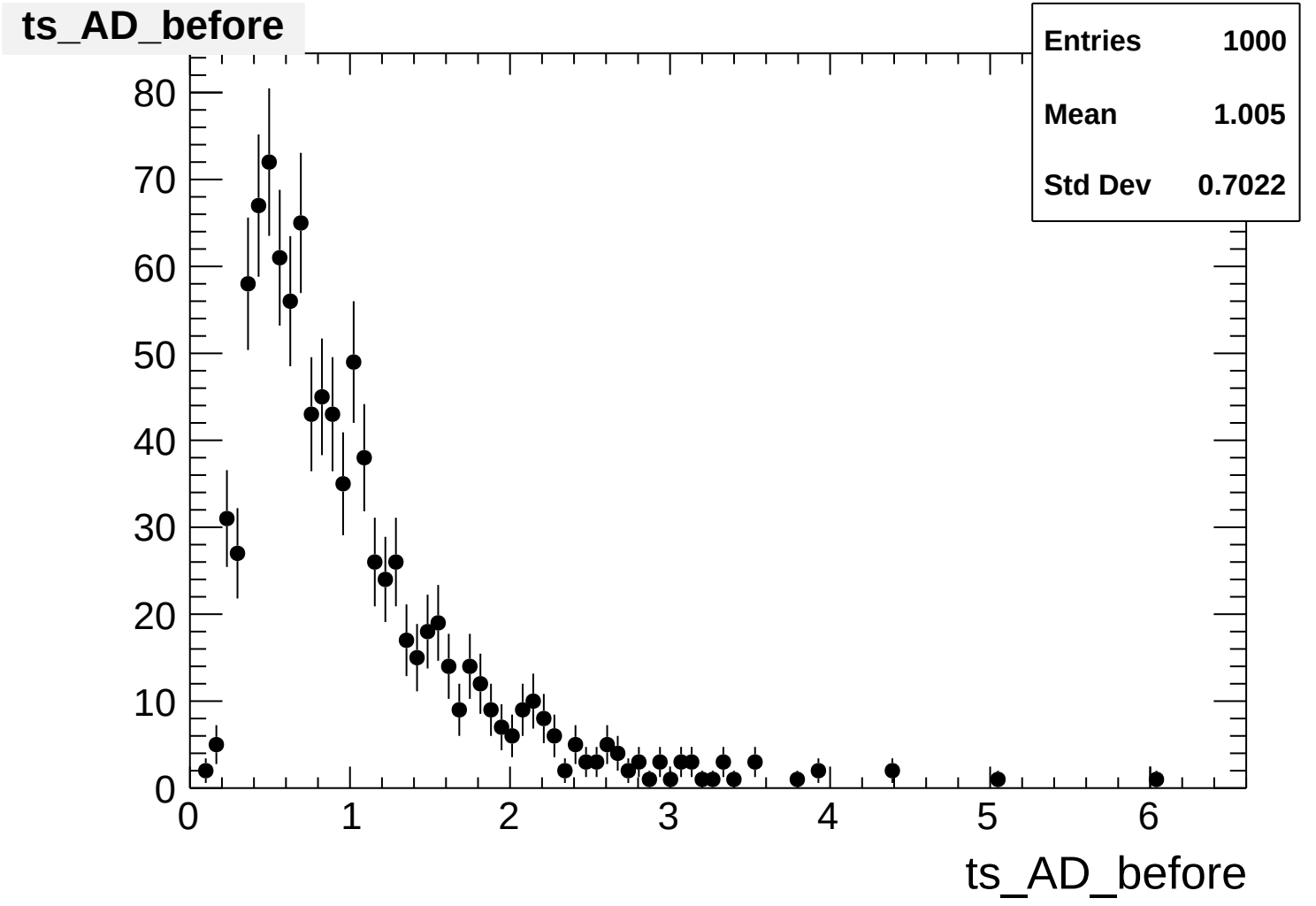
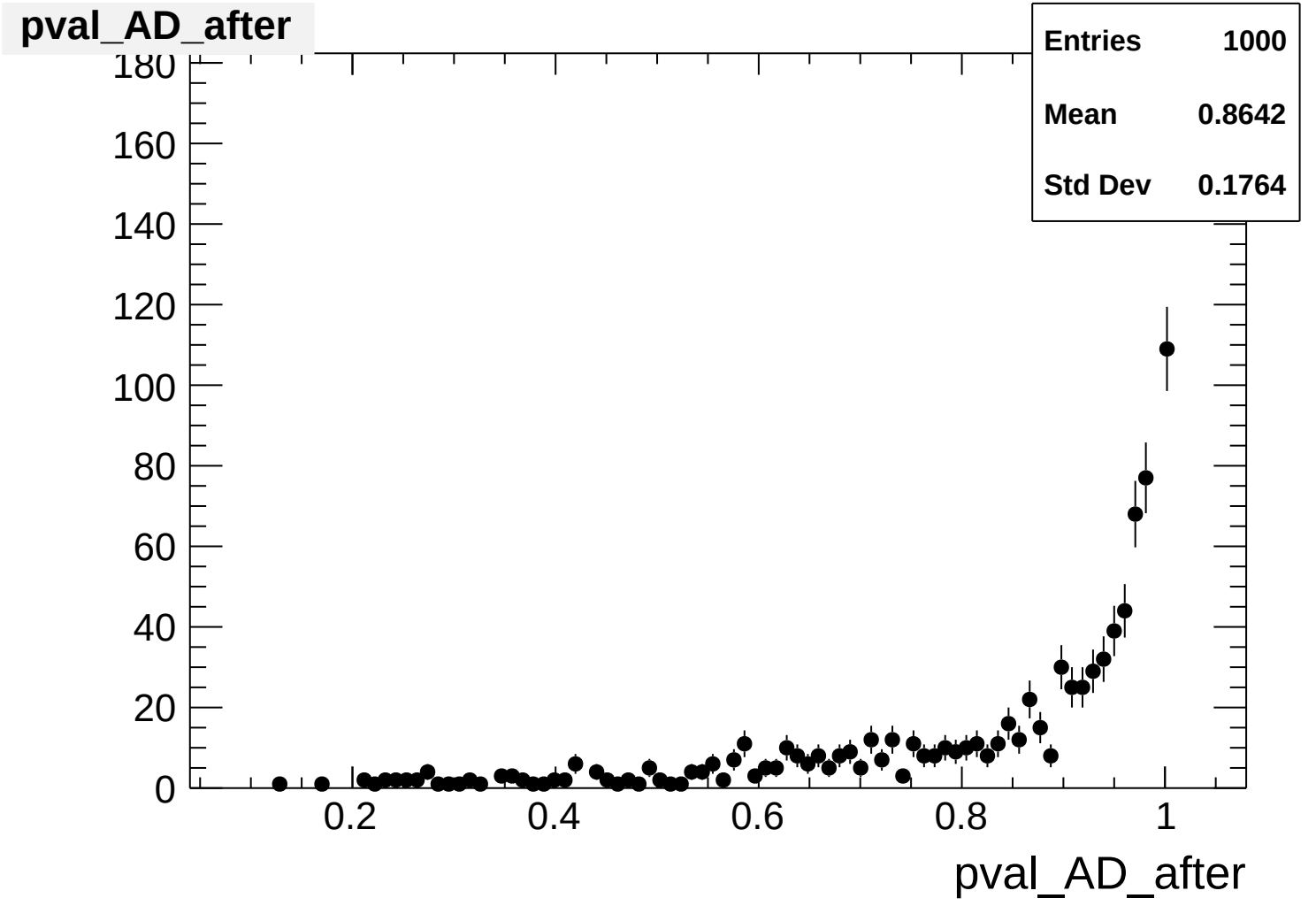
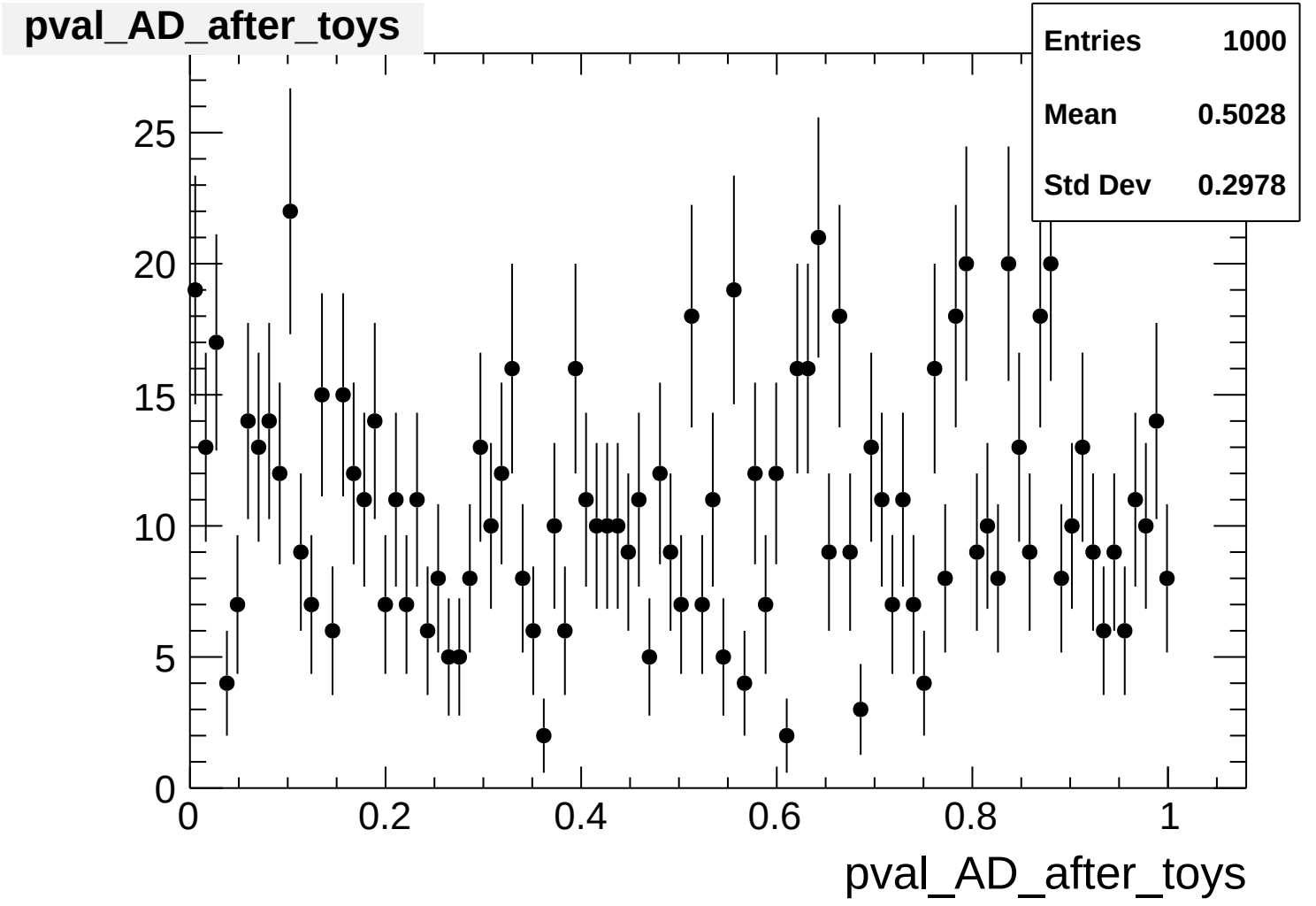
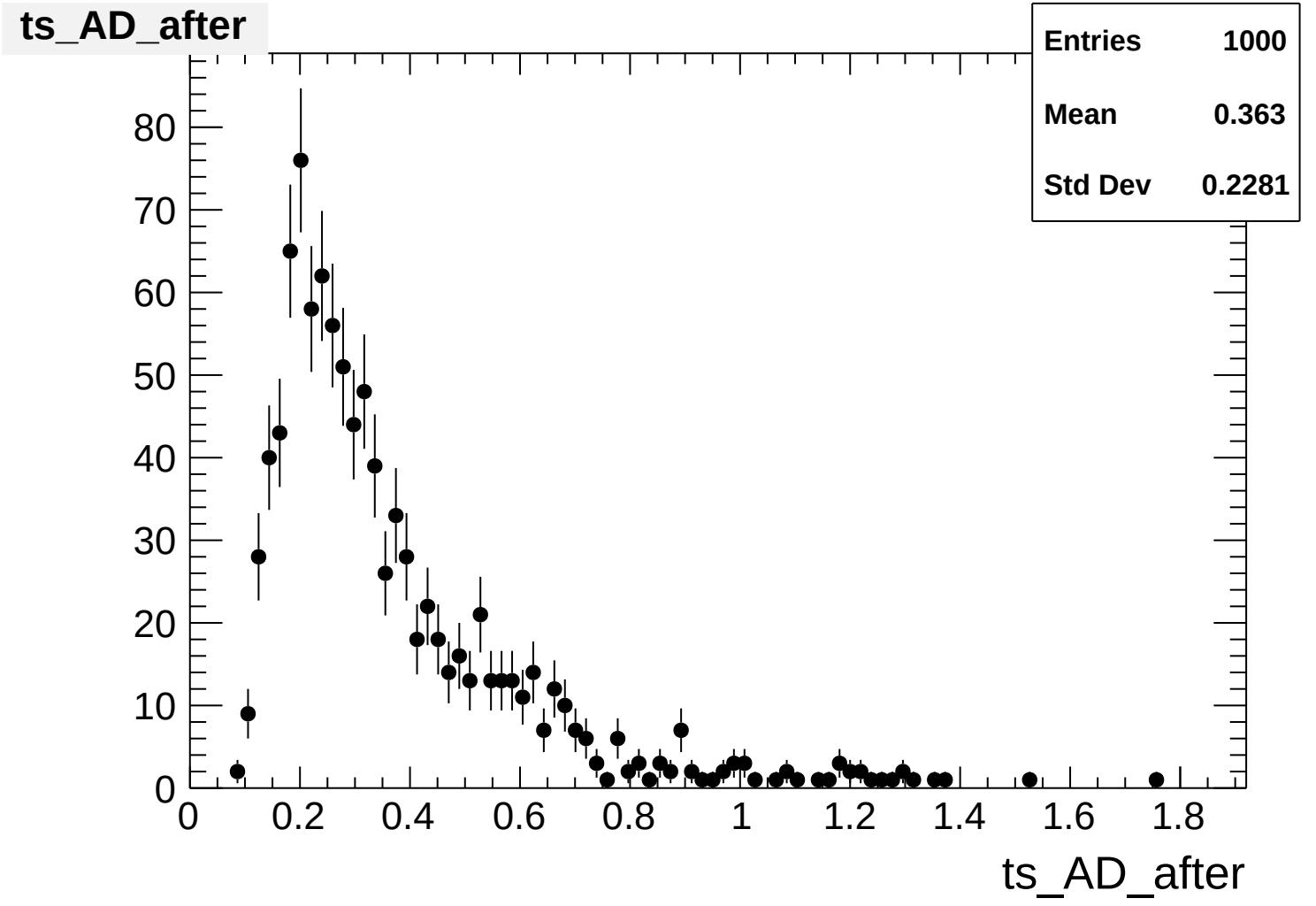
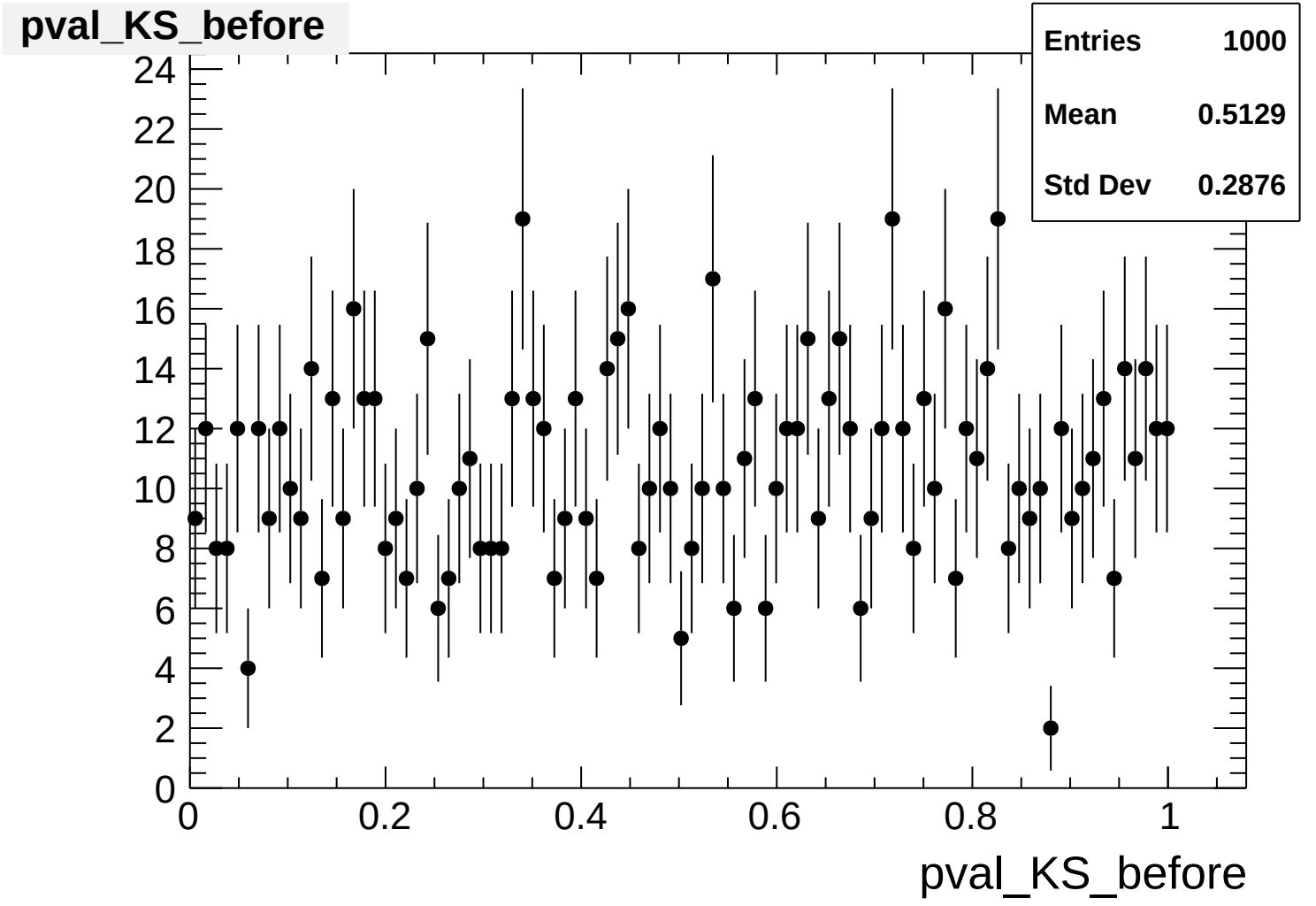

pval_AD_before
Entries 1000
Mean 0.4855
Std Dev 0.2817
24
22
20
18
16
14
12
10
8
6
4
2
0
0
0.2
0.4
0.6
0.8
1
pval_AD_before

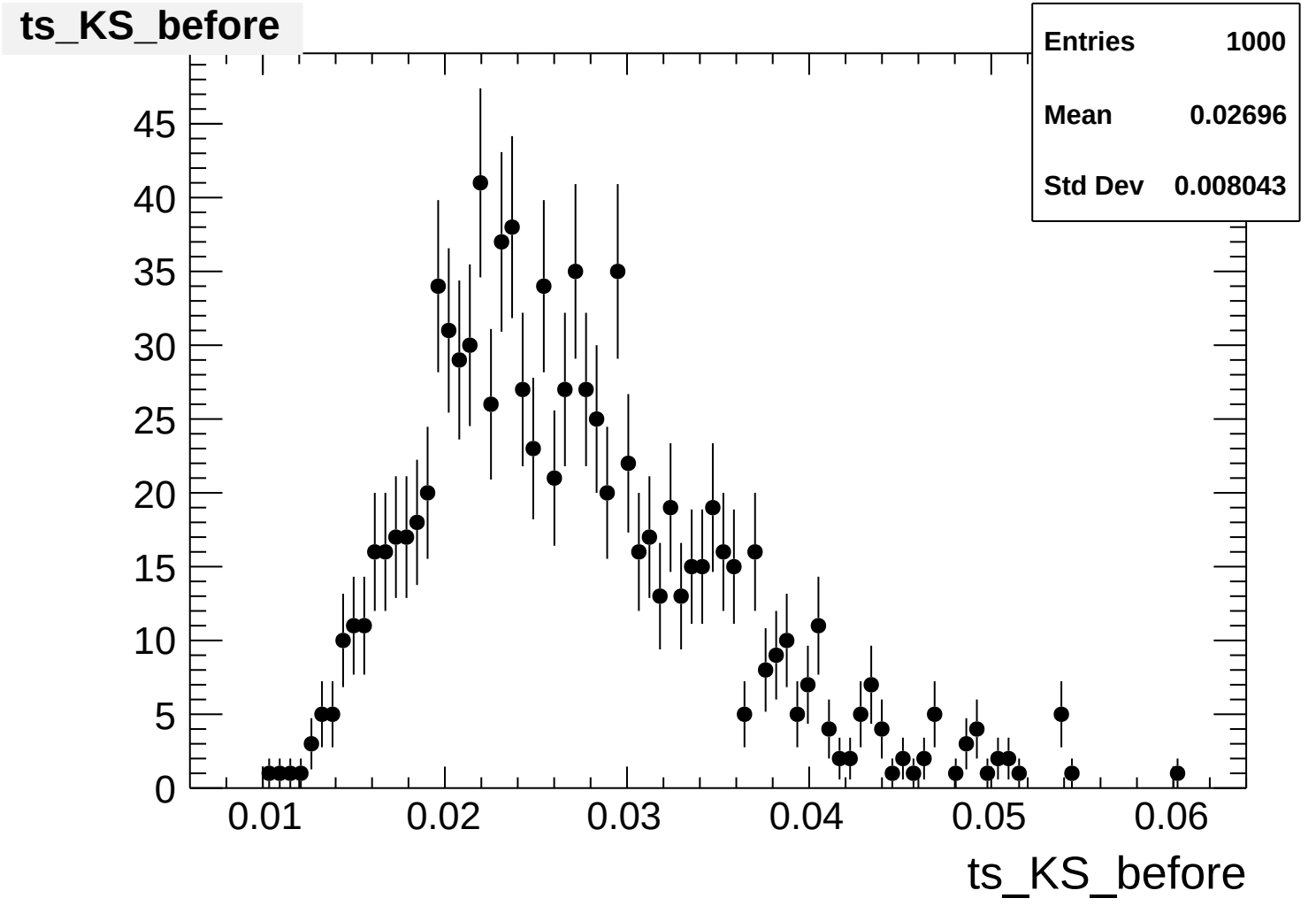

ts_AD_before
Entries 1000
Mean 1.005
Std Dev 0.7022
80
70
60
50
40
30
20
10
0
0
1
2
3
4
5
6
ts_AD_before

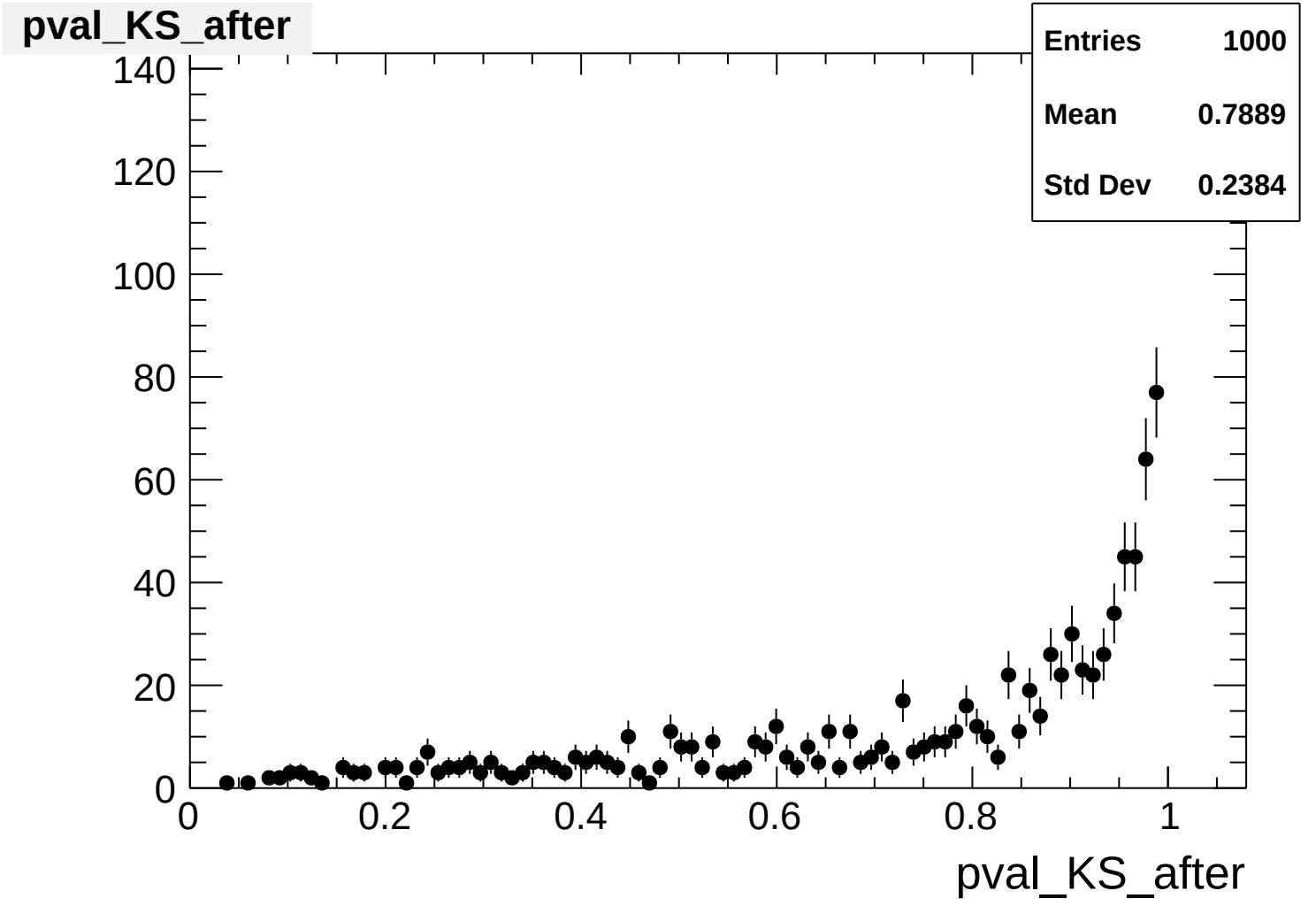

pval_AD_after
Entries 1000
Mean 0.8642
Std Dev 0.1764
180
160
140
120
100
80
60
40
20
0
0.2
0.4
0.6
0.8
1
pval_AD_after

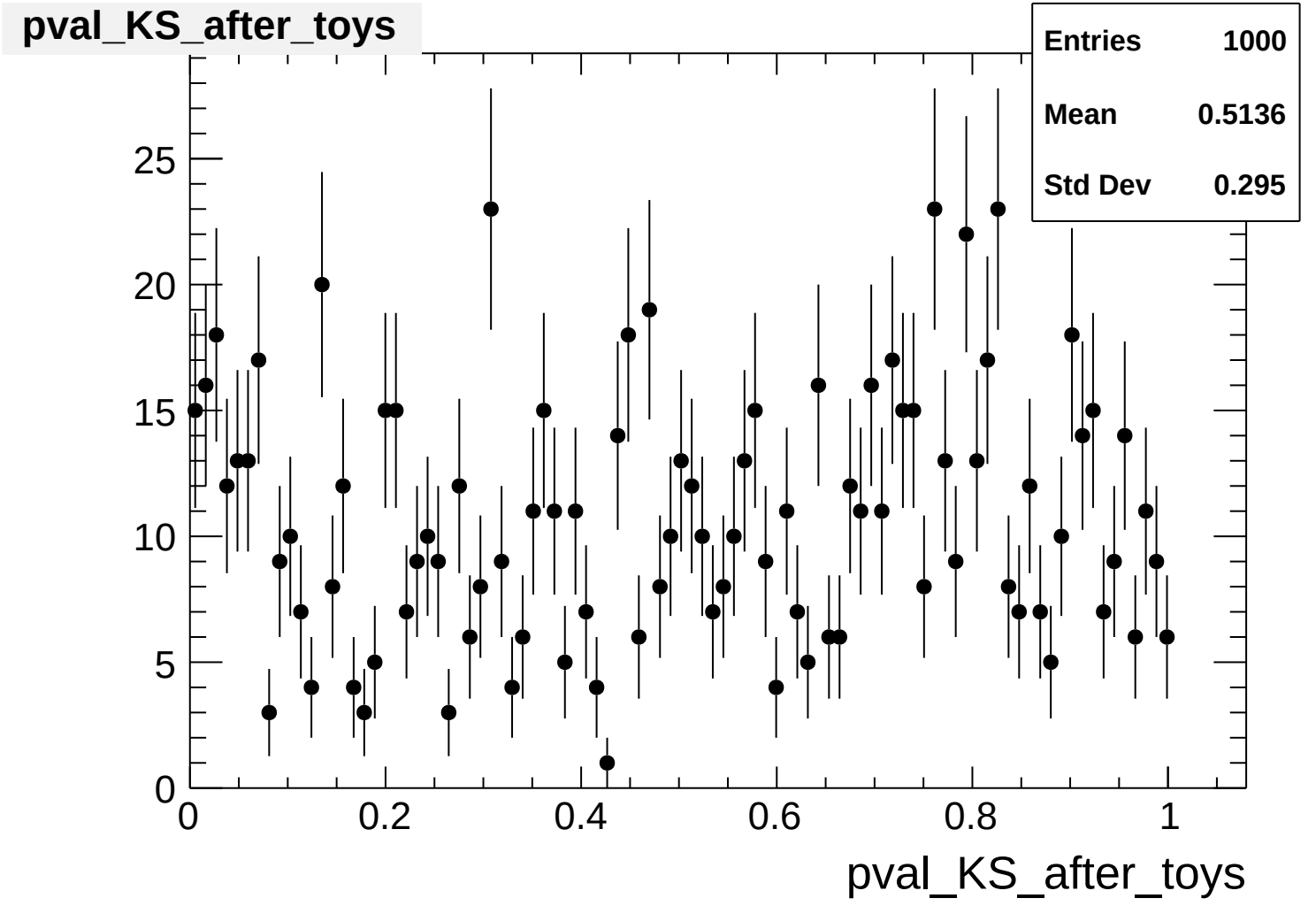

pval_AD_after_toys
Entries 1000
Mean 0.5028
Std Dev 0.2978
25
20
15
10
5
0
0
0.2
0.4
0.6
0.8
1
pval_AD_after_toys

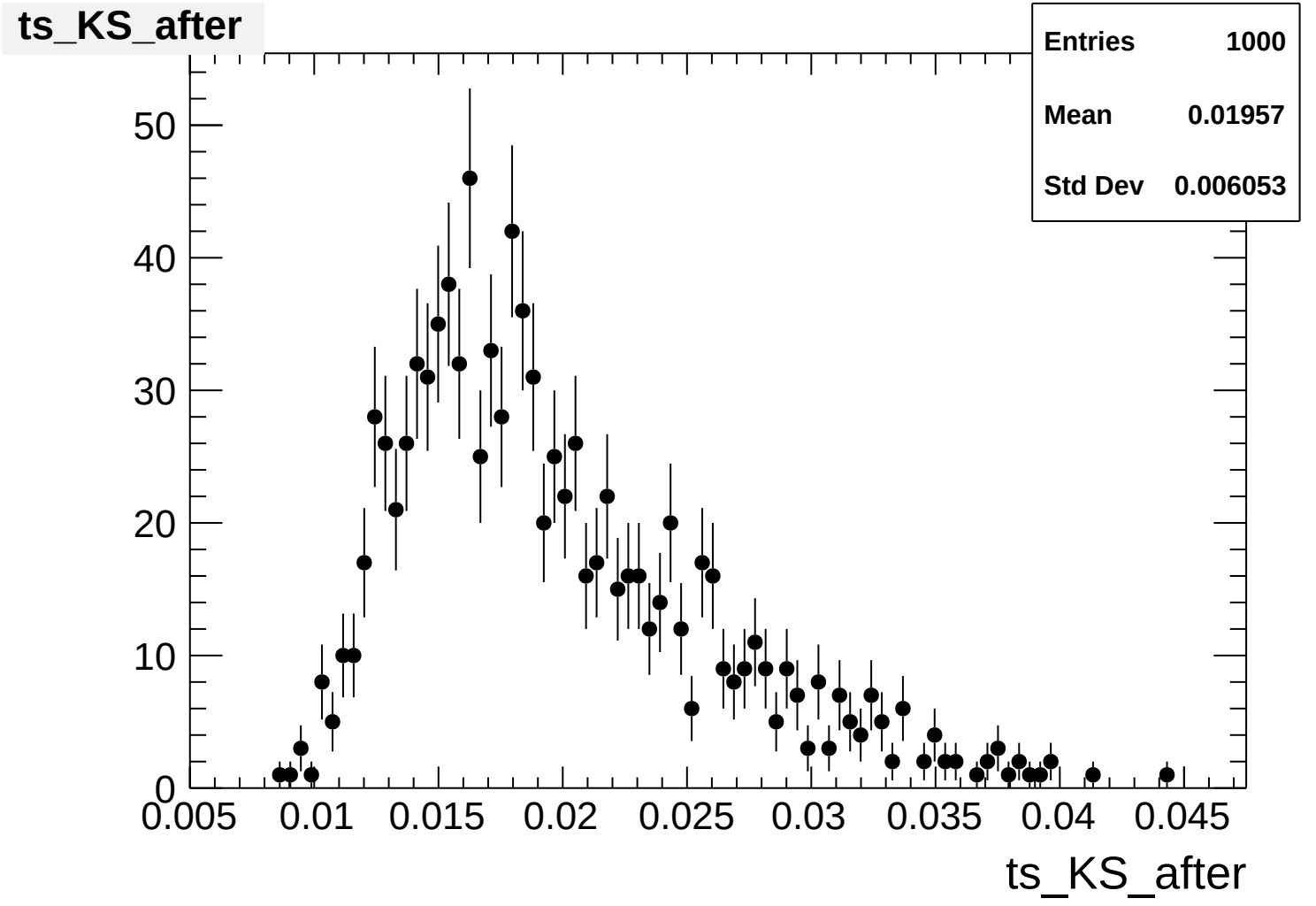

ts_AD_after
Entries 1000
Mean 0.363
Std Dev 0.2281
80
70
60
50
40
30
20
10
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
ts_AD_after

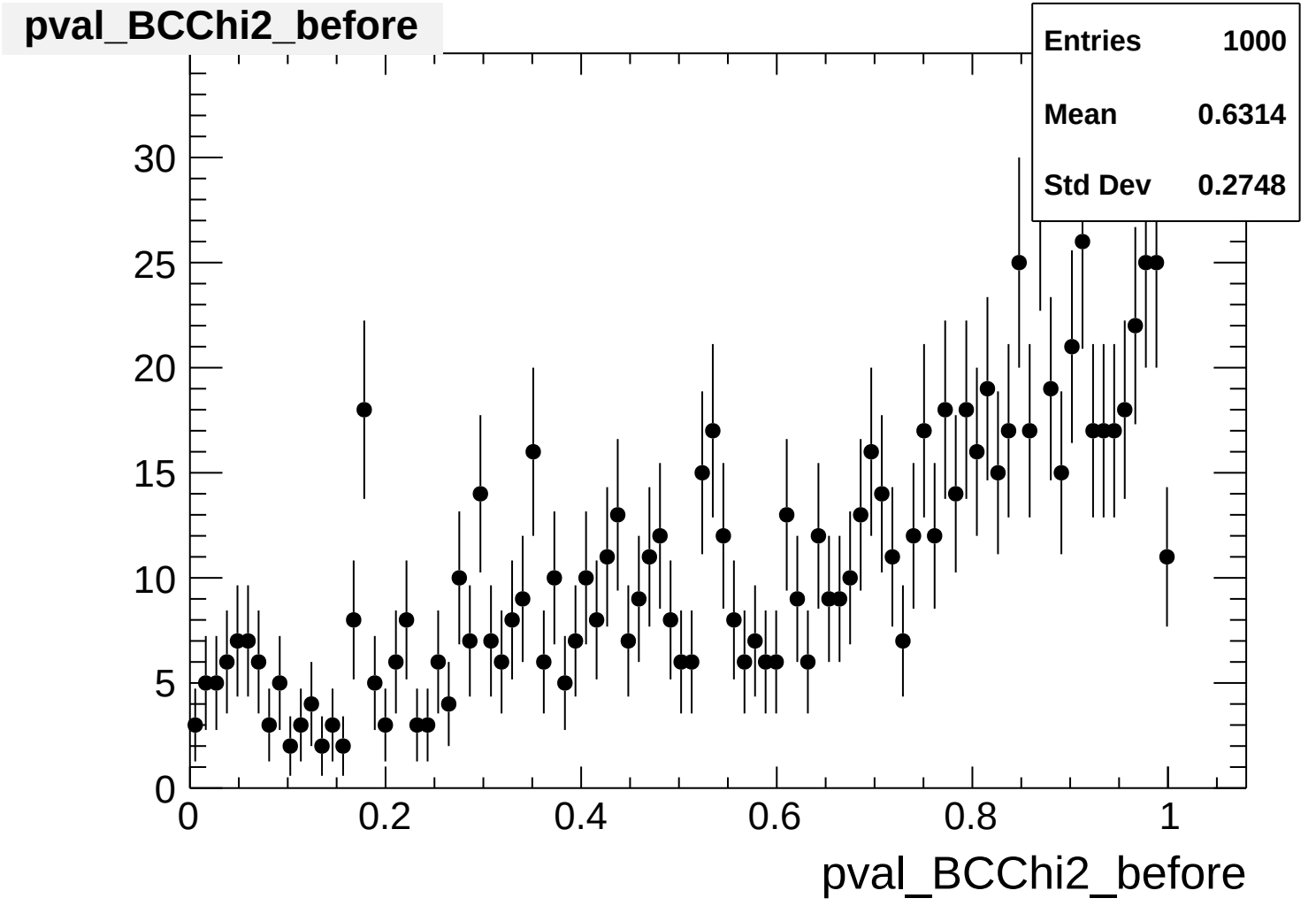

pval_KS_before
Entries 1000
Mean 0.5129
Std Dev 0.2876
24
22
20
18
16
14
12
10
8
6
4
2
0
0
0.2
0.4
0.6
0.8
1
pval_KS_before

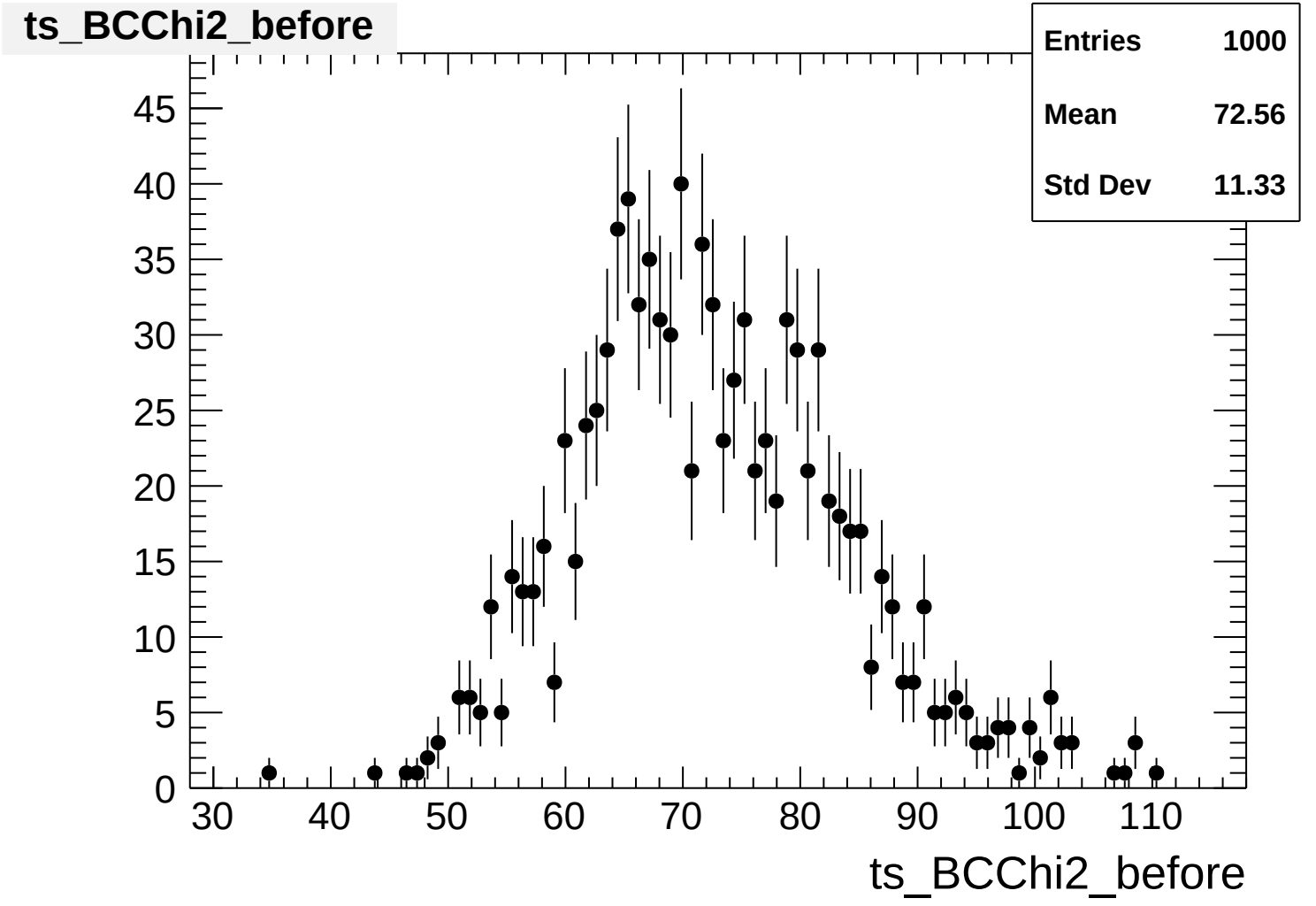

ts_KS_before
Entries 1000
Mean 0.02696
Std Dev 0.008043
45
40
35
30
25
20
15
10
5
0
0.01
0.02
0.03
0.04
0.05
0.06
ts_KS_before

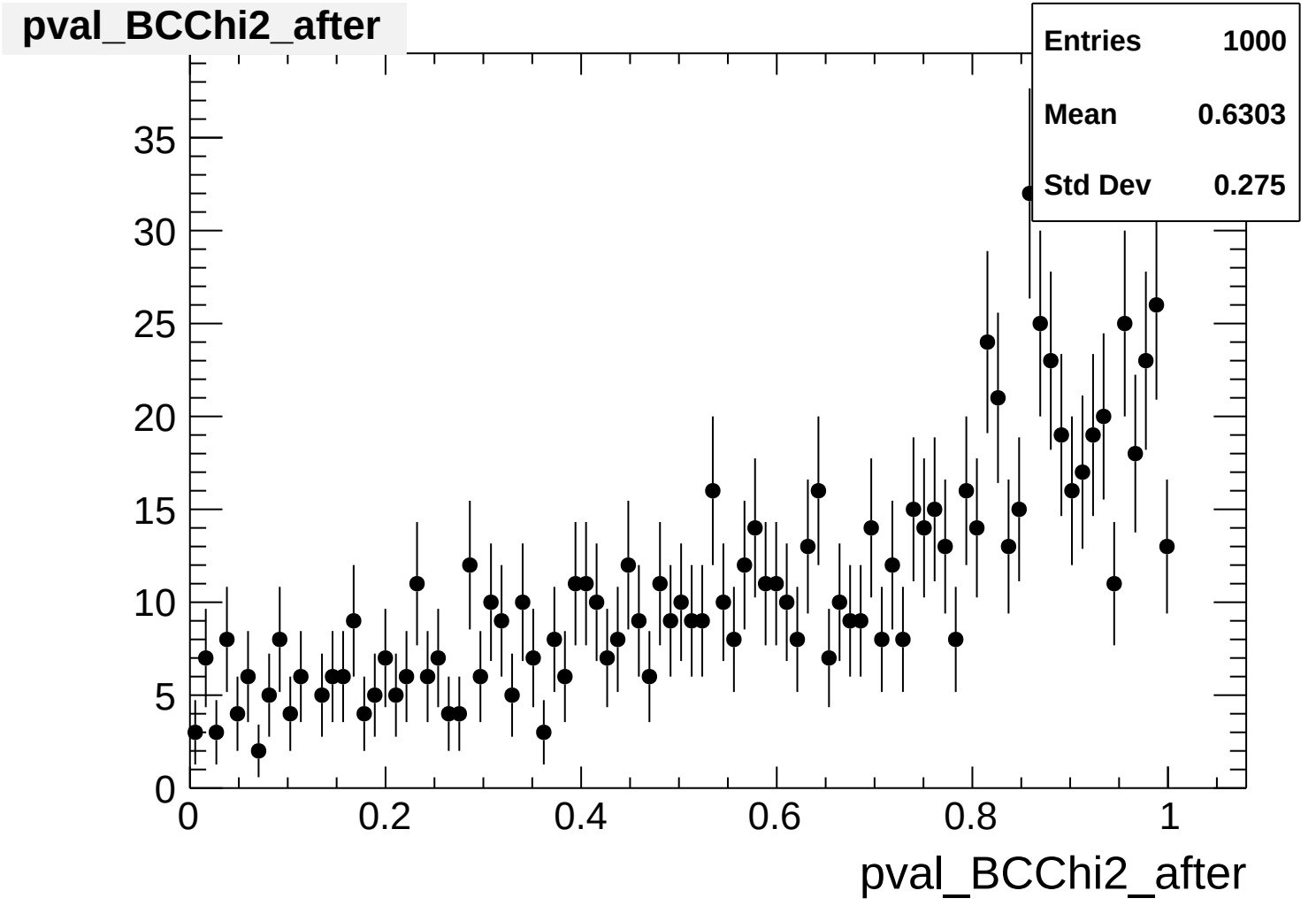

pval_KS_after
Entries 1000
Mean 0.7889
Std Dev 0.2384
140
120
100
80
60
40
20
0
0
0.2
0.4
0.6
0.8
1
pval_KS_after

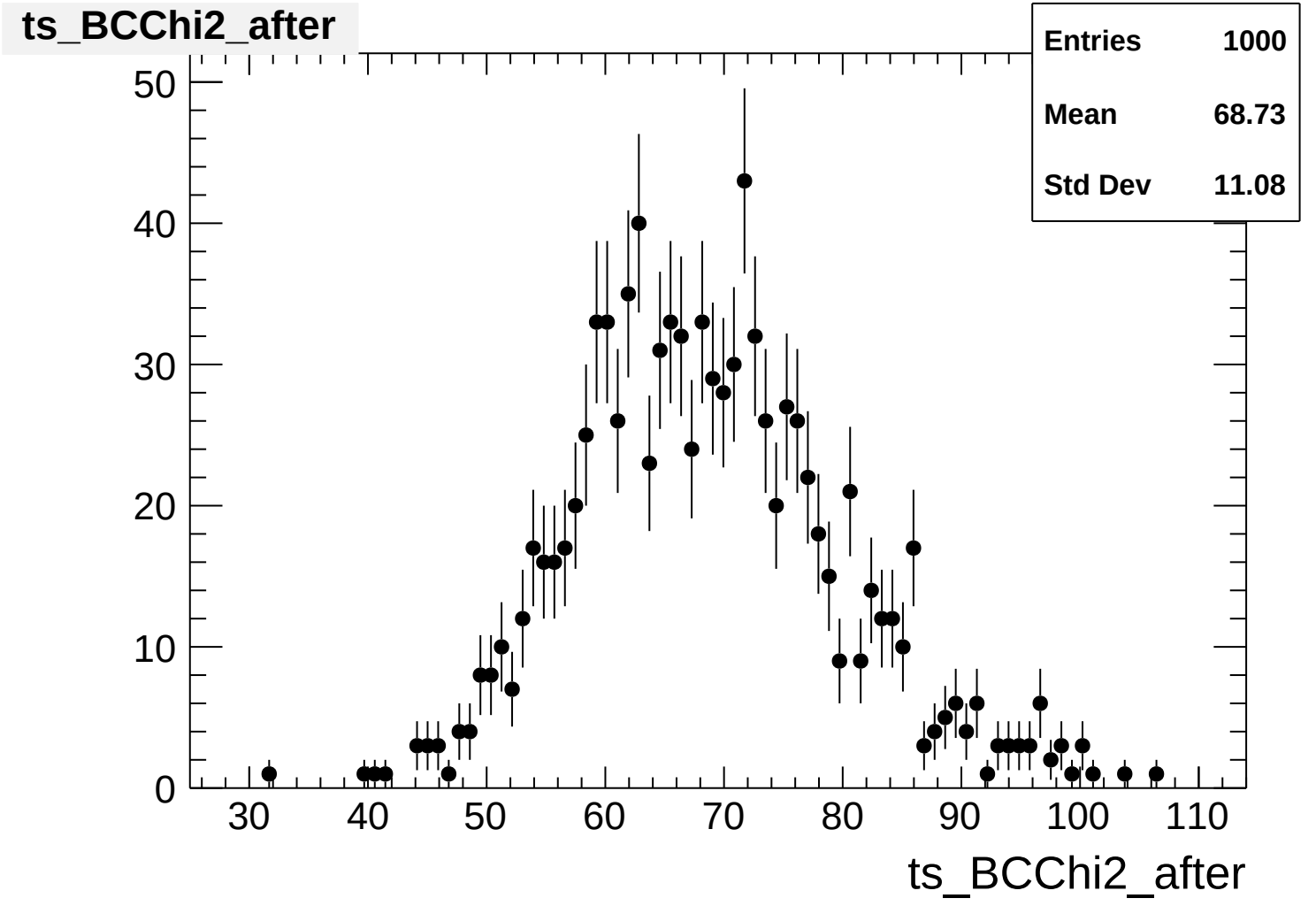

pval_KS_after_toys
Entries 1000
Mean 0.5136
Std Dev 0.295
25
20
15
10
5
0
0
0.2
0.4
0.6
0.8
1
pval_KS_after_toys

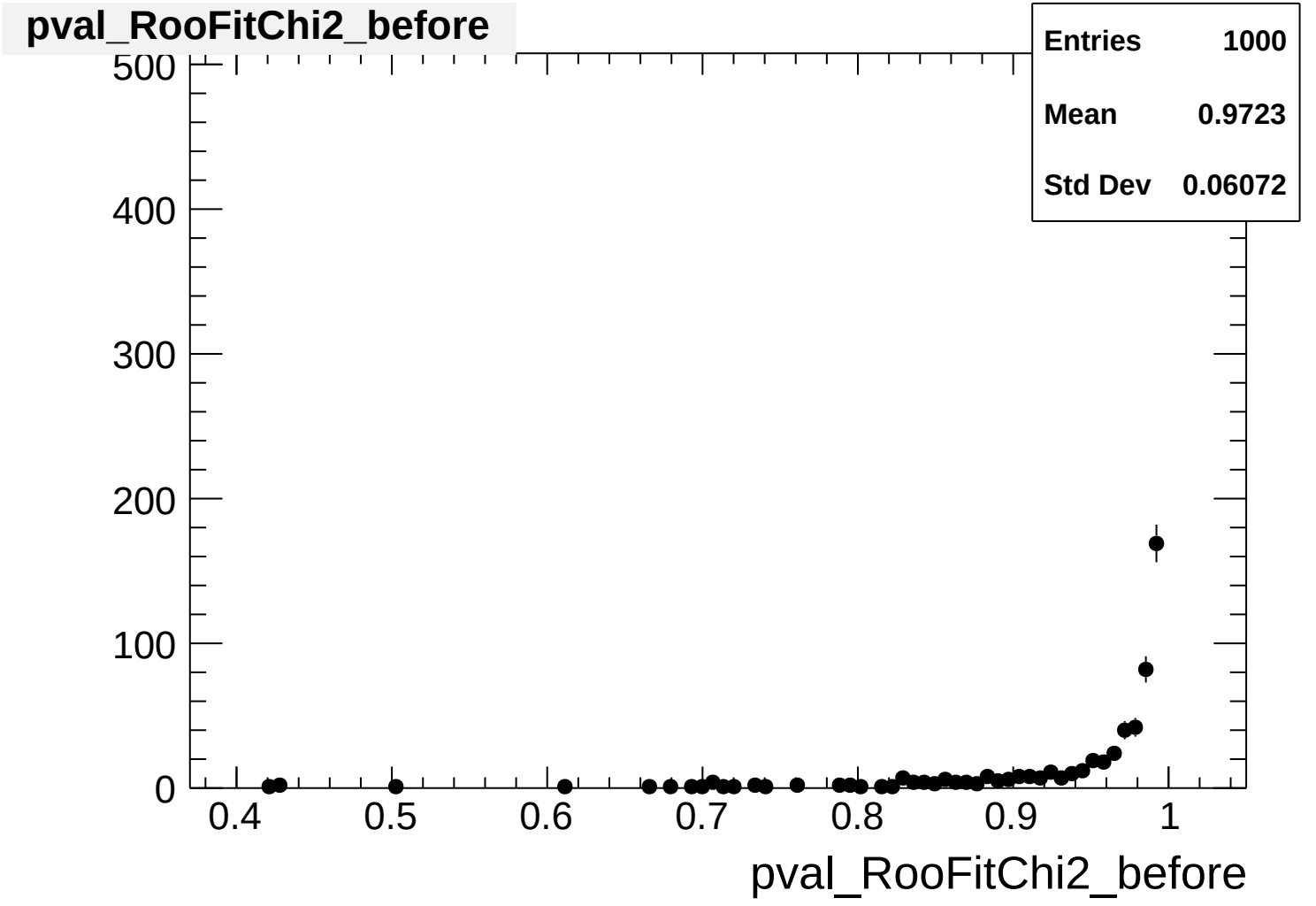

ts_KS_after
Entries 1000
Mean 0.01957
Std Dev 0.006053
50
40
30
20
10
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
ts_KS_after

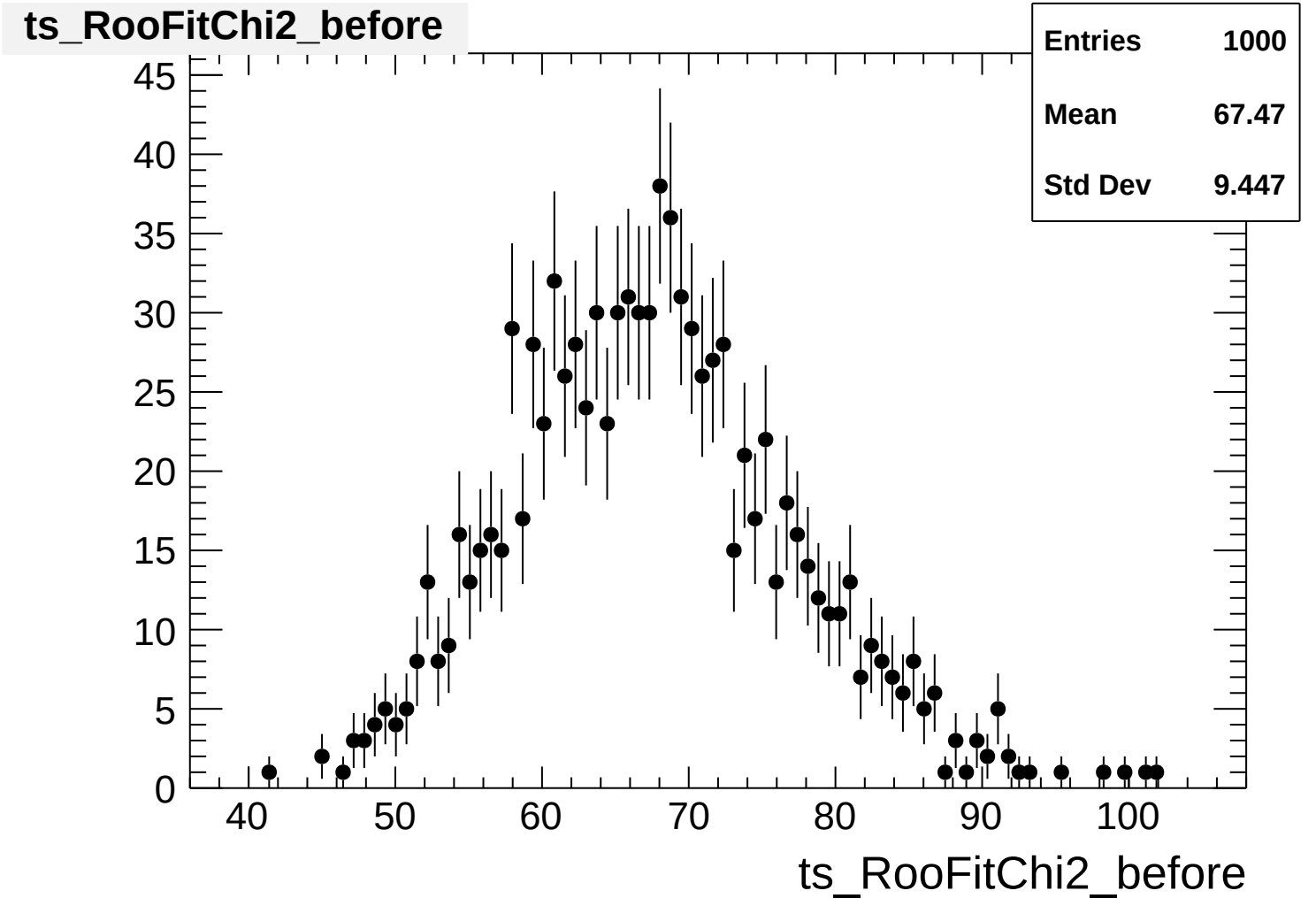

pval_BCChi2_before
Entries 1000
Mean 0.6314
Std Dev 0.2748
30
25
20
15
10
5
0
0
0.2
0.4
0.6
0.8
1
pval_BCChi2_before

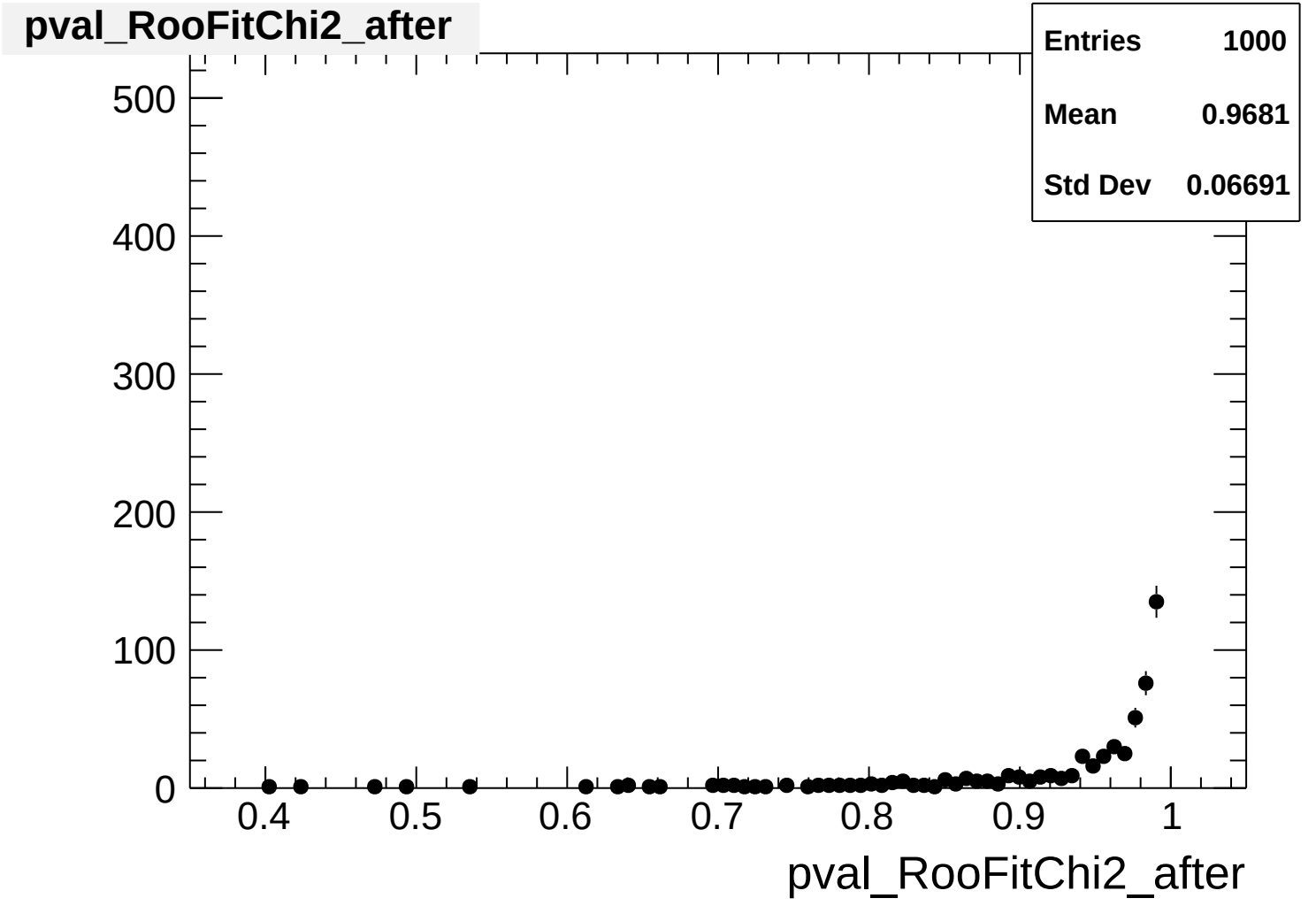

ts_BCChi2_before
Entries 1000
Mean 72.56
Std Dev 11.33
45
40
35
30
25
20
15
10
5
0
30
40
50
60
70
80
90
100
110
ts_BCChi2_before

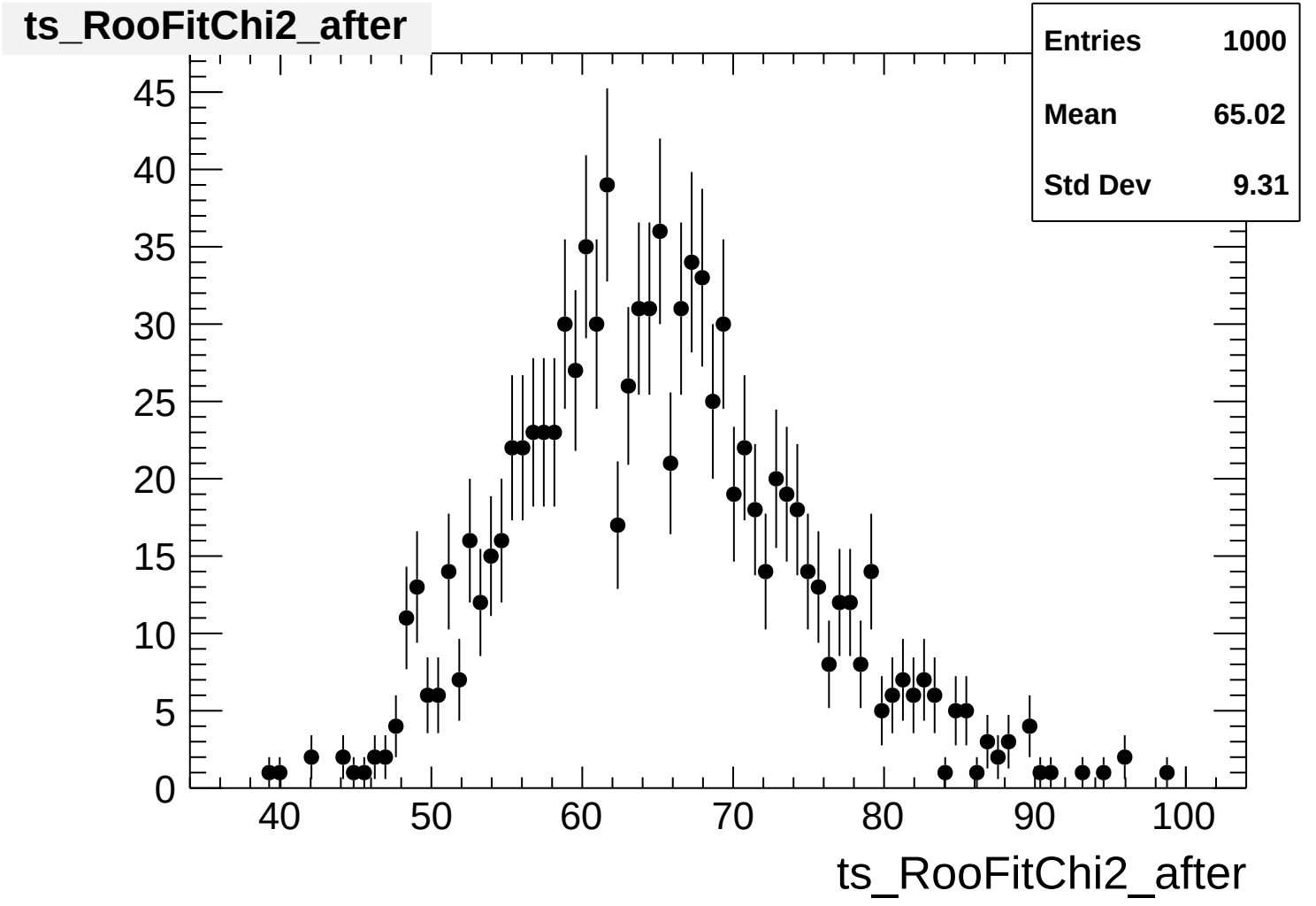

pval_BCChi2_after
Entries 1000
Mean 0.6303
Std Dev 0.275
35
30
25
20
15
10
5
0
0
0.2
0.4
0.6
0.8
1
pval_BCChi2_after

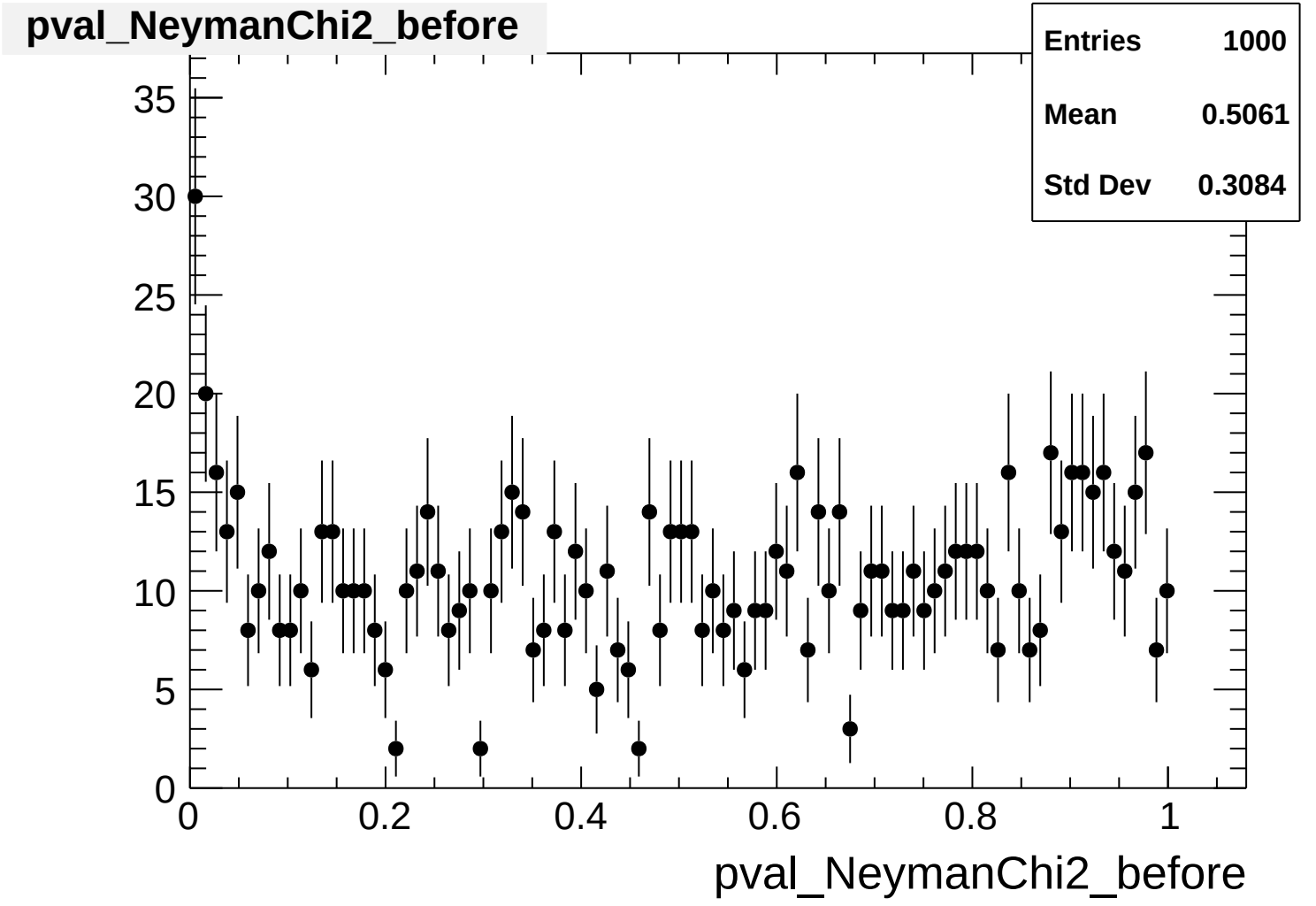

ts_BCChi2_after
Entries 1000
Mean 68.73
Std Dev 11.08
50
40
30
20
10
0
30
40
50
60
70
80
90
100
110
ts_BCChi2_after

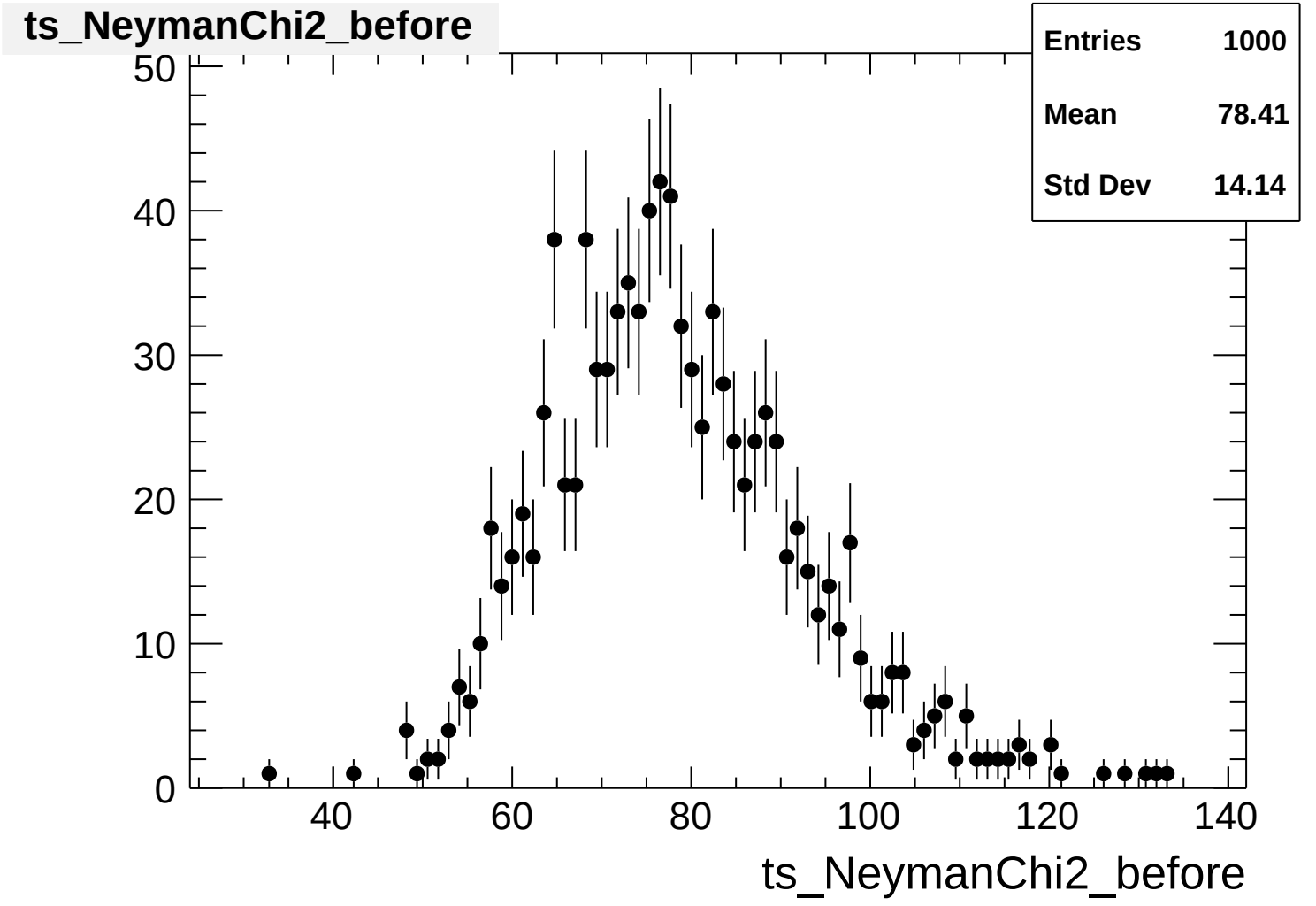

pval_RooFitChi2_before
Entries 1000
Mean 0.9723
Std Dev 0.06072
500
400
300
200
100
0
0.4
0.5
0.6
0.7
0.8
0.9
1
pval_RooFitChi2_before

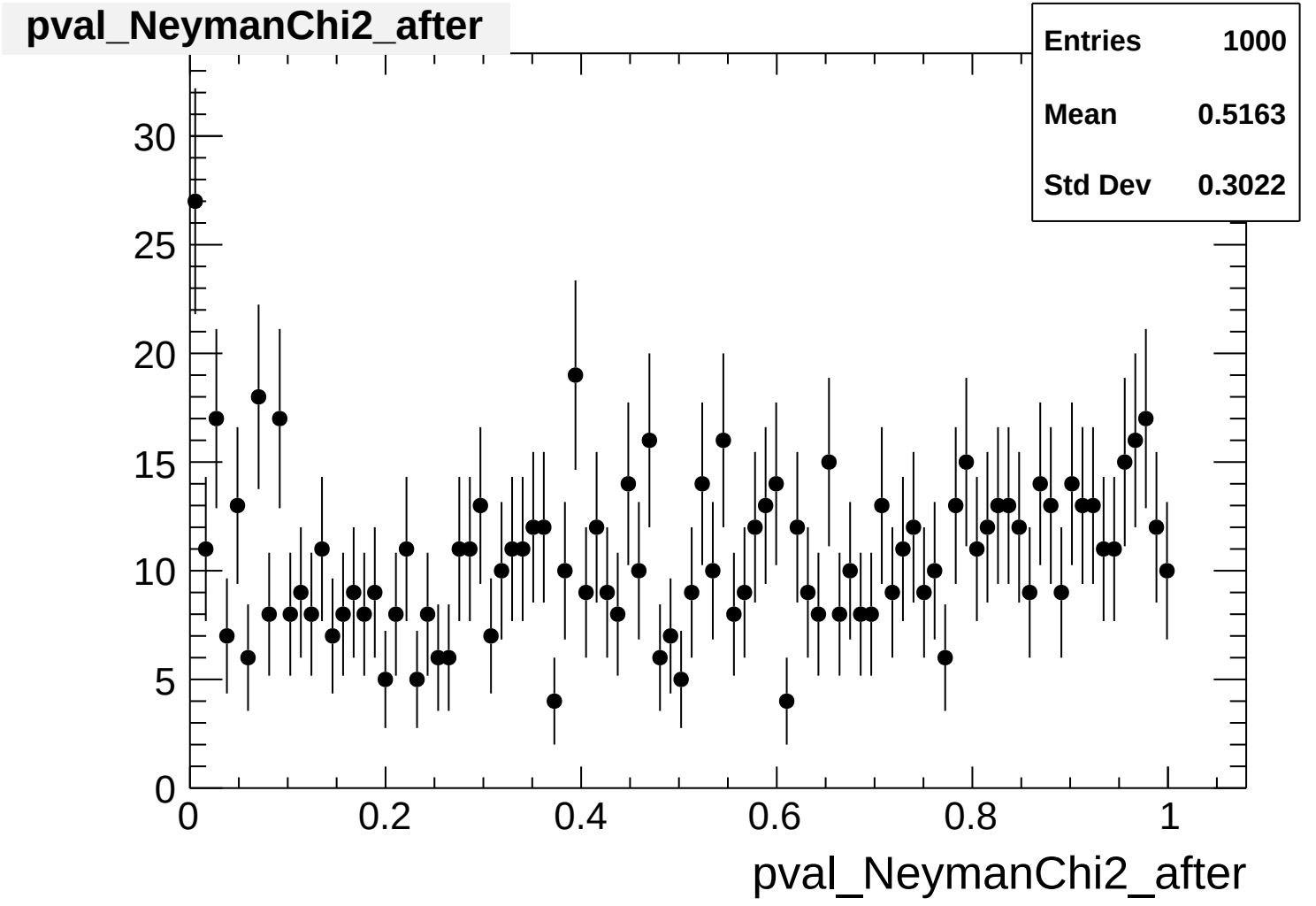

ts_RooFitChi2_before
Entries 1000
Mean 67.47
Std Dev 9.447
45
40
35
30
25
20
15
10
5
0
40
50
60
70
80
90
100
ts_RooFitChi2_before

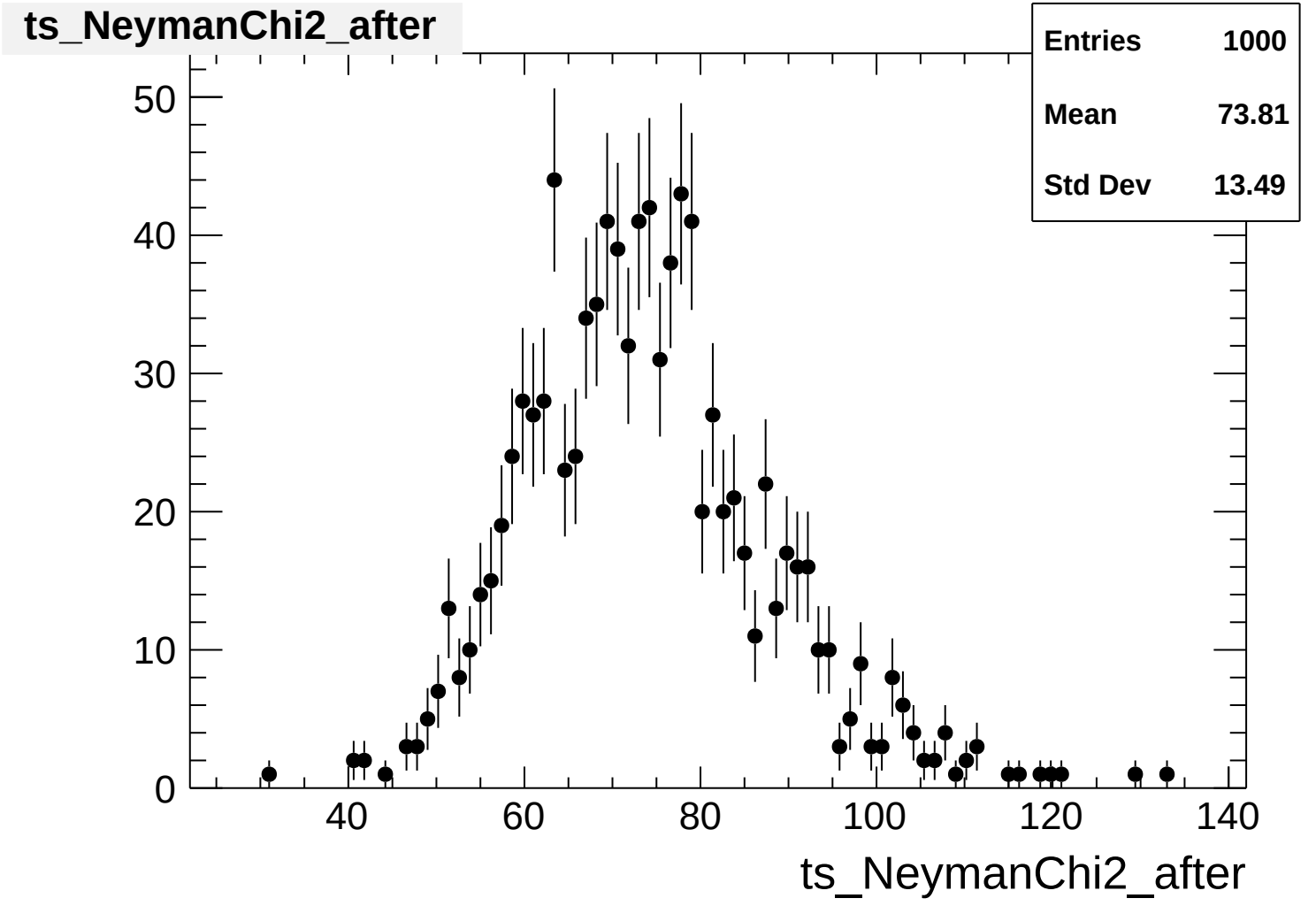

pval_RooFitChi2_after
Entries 1000
Mean 0.9681
Std Dev 0.06691
500
400
300
200
100
0
0.4
0.5
0.6
0.7
0.8
0.9
1
pval_RooFitChi2_after

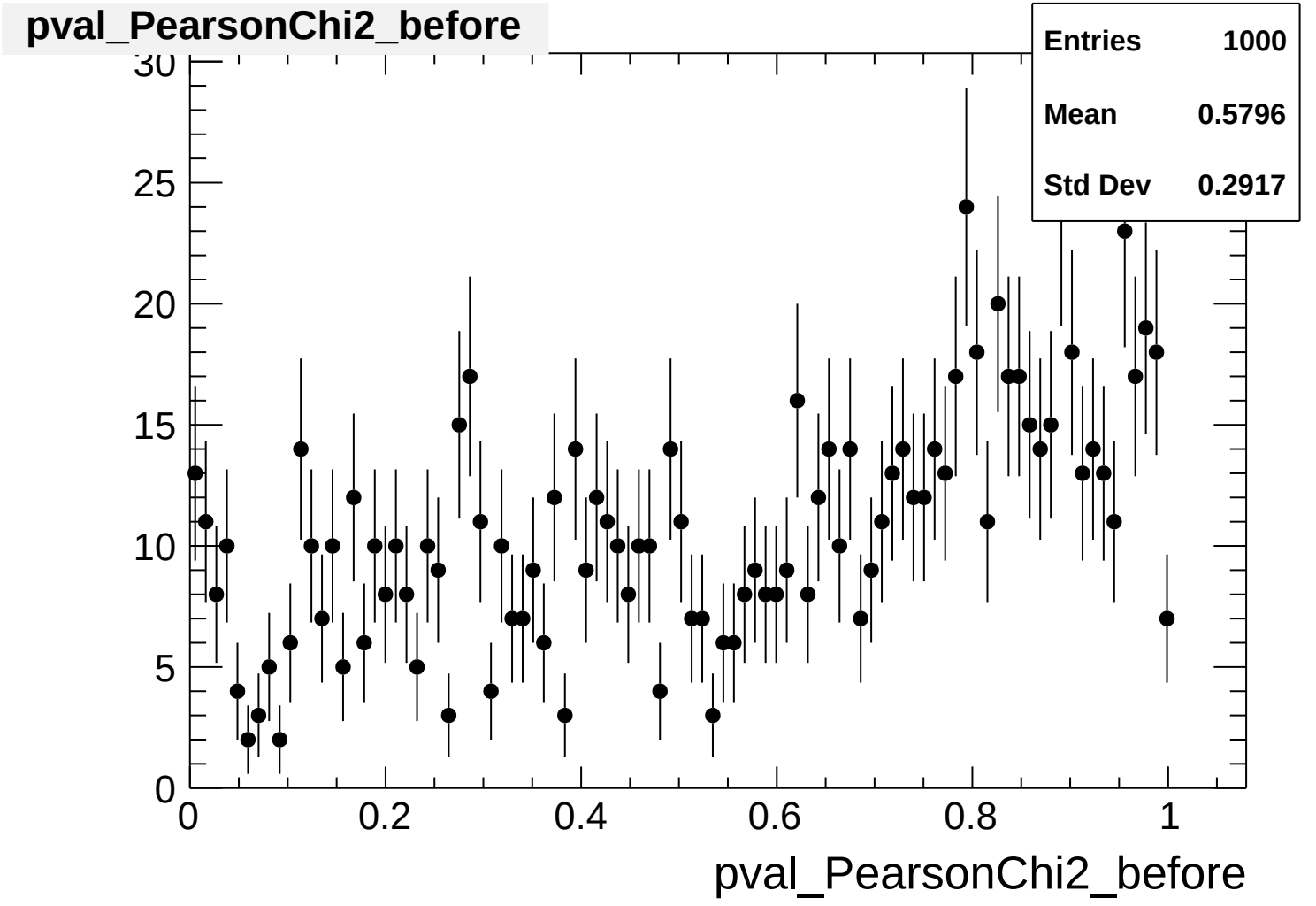

ts_RooFitChi2_after
Entries 1000
Mean 65.02
Std Dev 9.31
45
40
35
30
25
20
15
10
5
0
40
50
60
70
80
90
100
ts_RooFitChi2_after

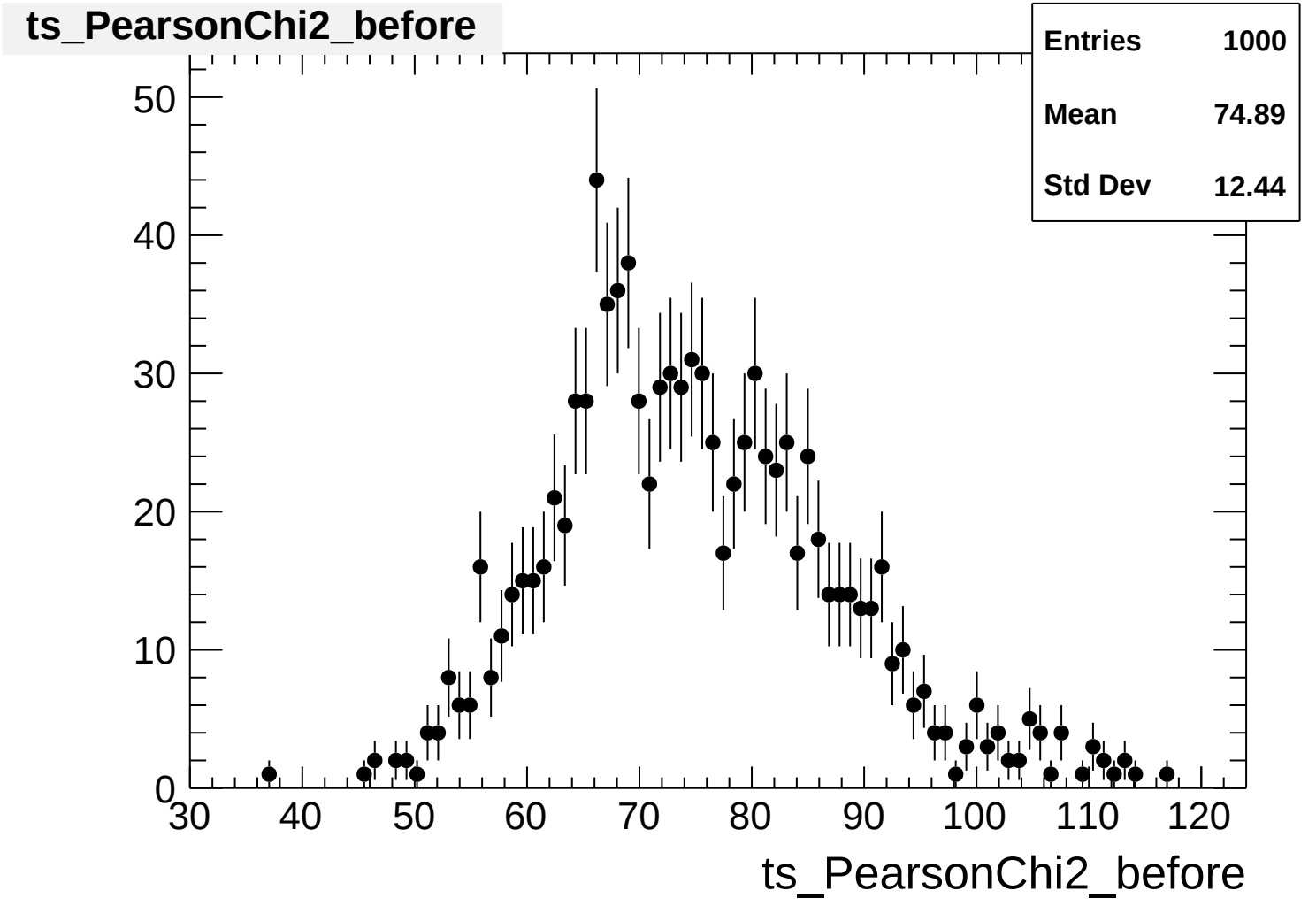

pval_NeymanChi2_before
Entries 1000
Mean 0.5061
Std Dev 0.3084
35
30
25
20
15
10
5
0
0
0.2
0.4
0.6
0.8
1
pval_NeymanChi2_before

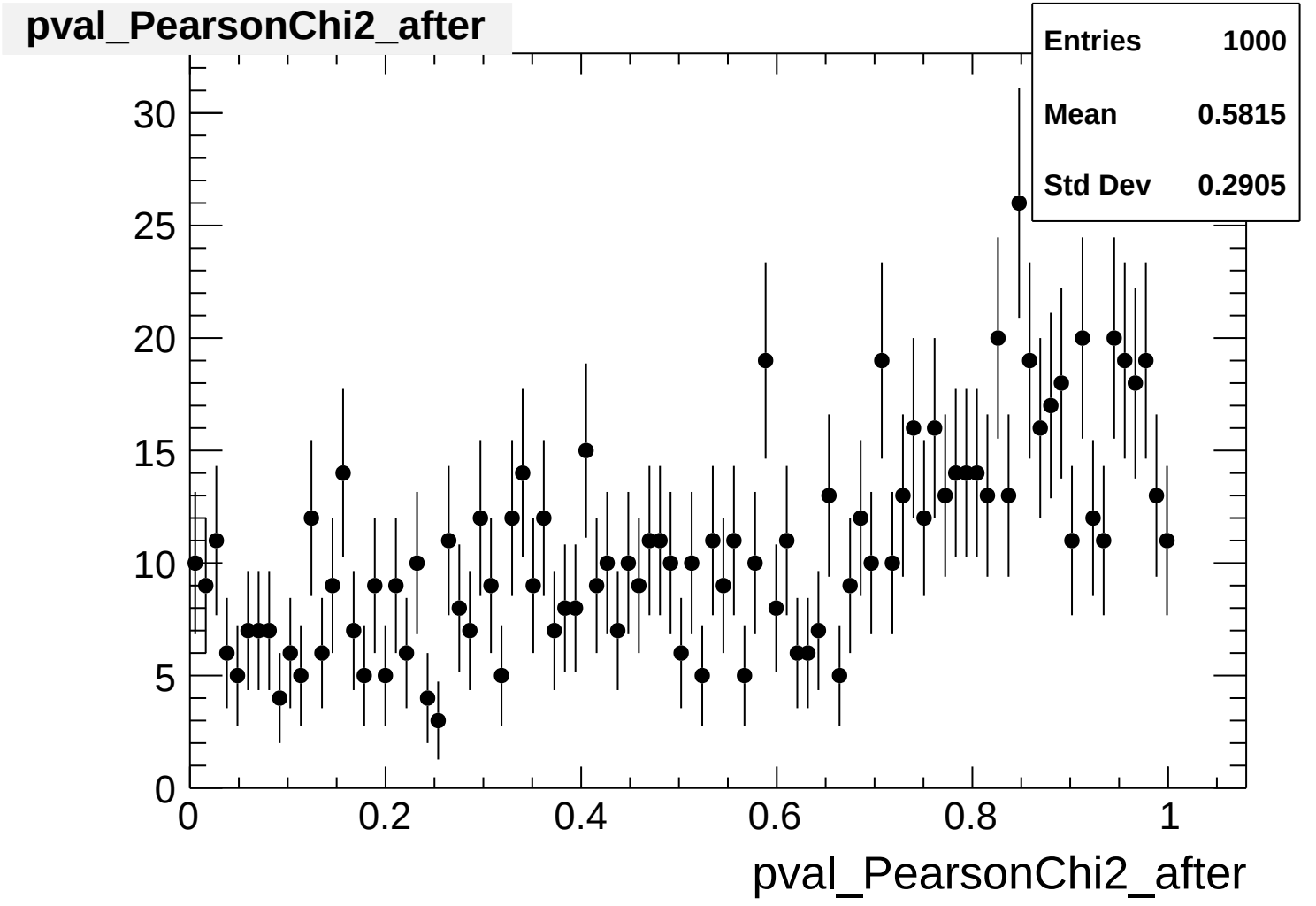

ts_NeymanChi2_before
Entries 1000
Mean 78.41
Std Dev 14.14
50
40
30
20
10
0
40
60
80
100
120
140
ts_NeymanChi2_before

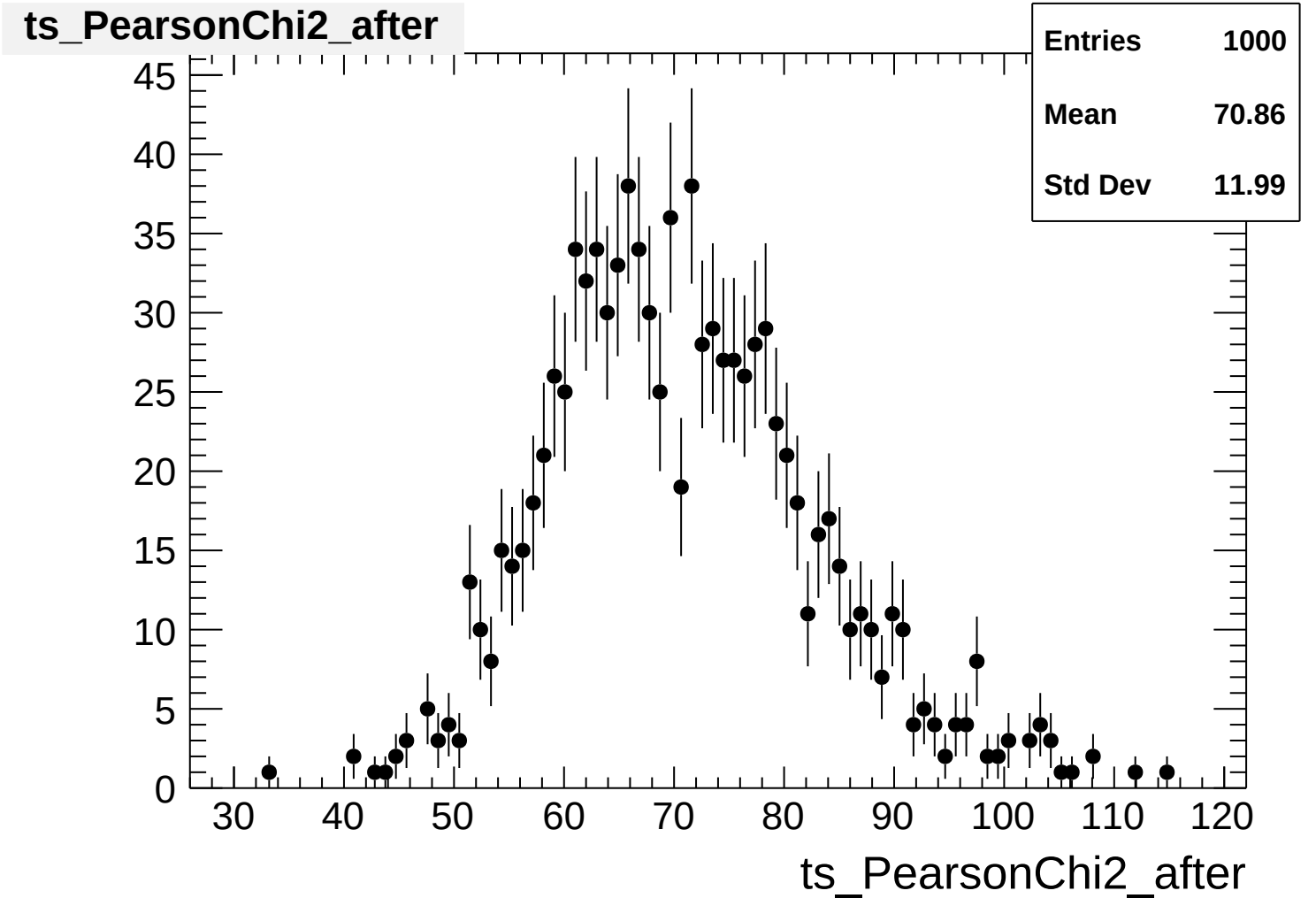

pval_NeymanChi2_after
Entries 1000
Mean 0.5163
Std Dev 0.3022
30
25
20
15
10
5
0
0
0.2
0.4
0.6
0.8
1
pval_NeymanChi2_after


ts_NeymanChi2_after
Entries 1000
Mean 73.81
Std Dev 13.49
50
40
30
20
10
0
40
60
80
100
120
140
ts_NeymanChi2_after


pval_PearsonChi2_before
Entries 1000
Mean 0.5796
Std Dev 0.2917
30
25
20
15
10
5
0
0
0.2
0.4
0.6
0.8
1
pval_PearsonChi2_before


ts_PearsonChi2_before
Entries 1000
Mean 74.89
Std Dev 12.44
50
40
30
20
10
0
30
40
50
60
70
80
90
100
110
120
ts_PearsonChi2_before


pval_PearsonChi2_after
Entries 1000
Mean 0.5815
Std Dev 0.2905
30
25
20
15
10
5
0
0
0.2
0.4
0.6
0.8
1
pval_PearsonChi2_after


ts_PearsonChi2_after
Entries 1000
Mean 70.86
Std Dev 11.99
45
40
35
30
25
20
15
10
5
0
30
40
50
60
70
80
90
100
110
120
ts_PearsonChi2_after