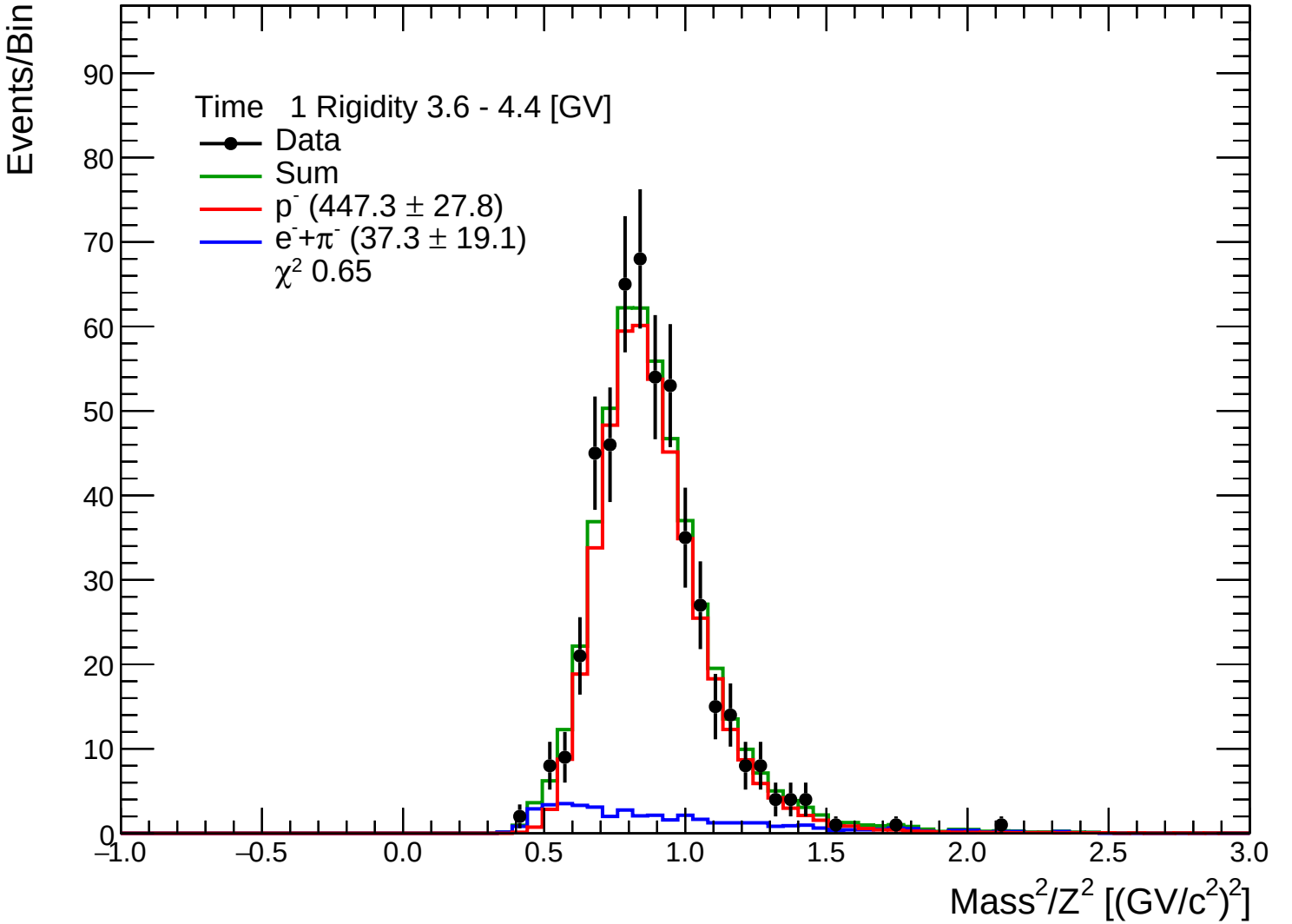
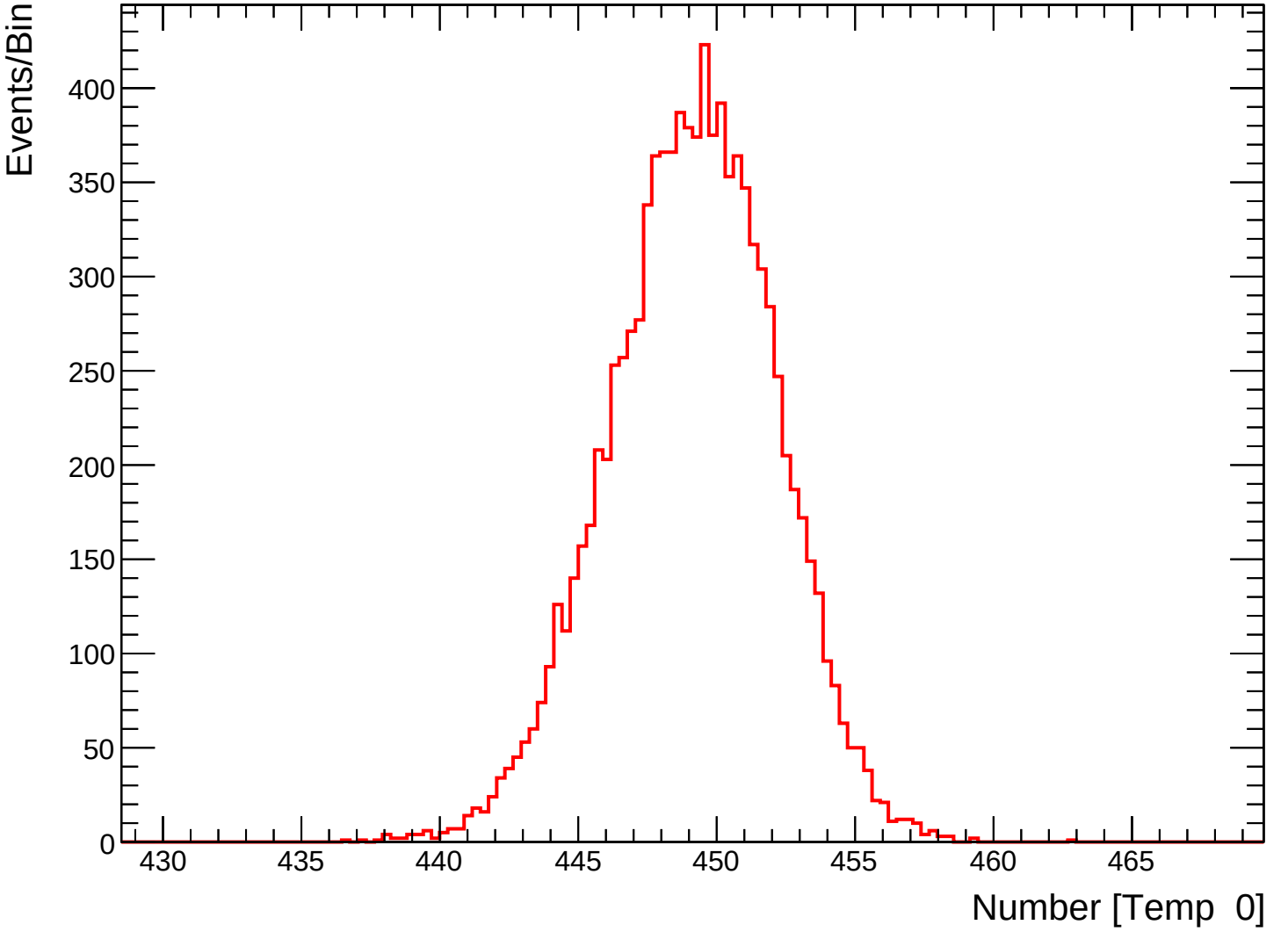
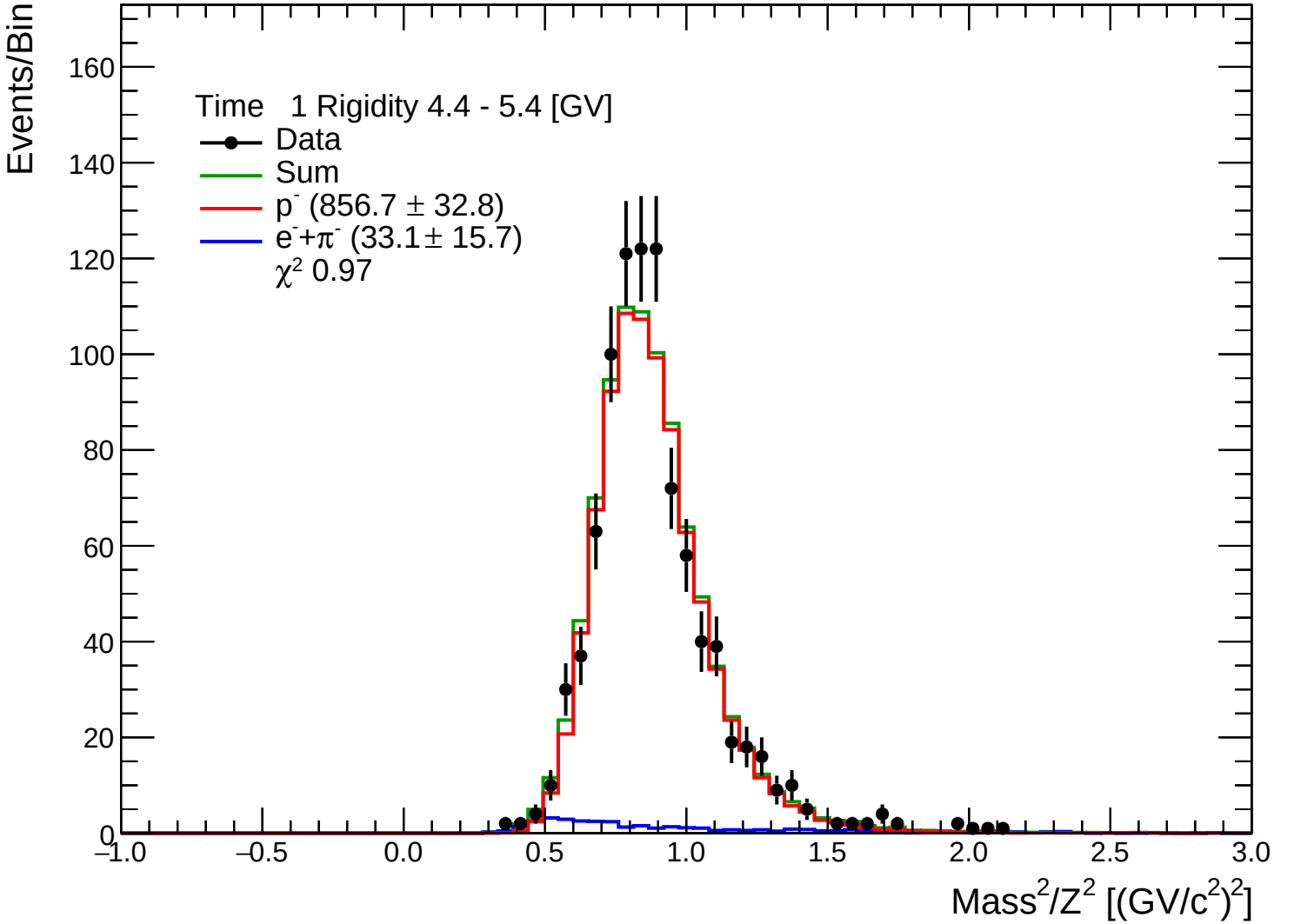
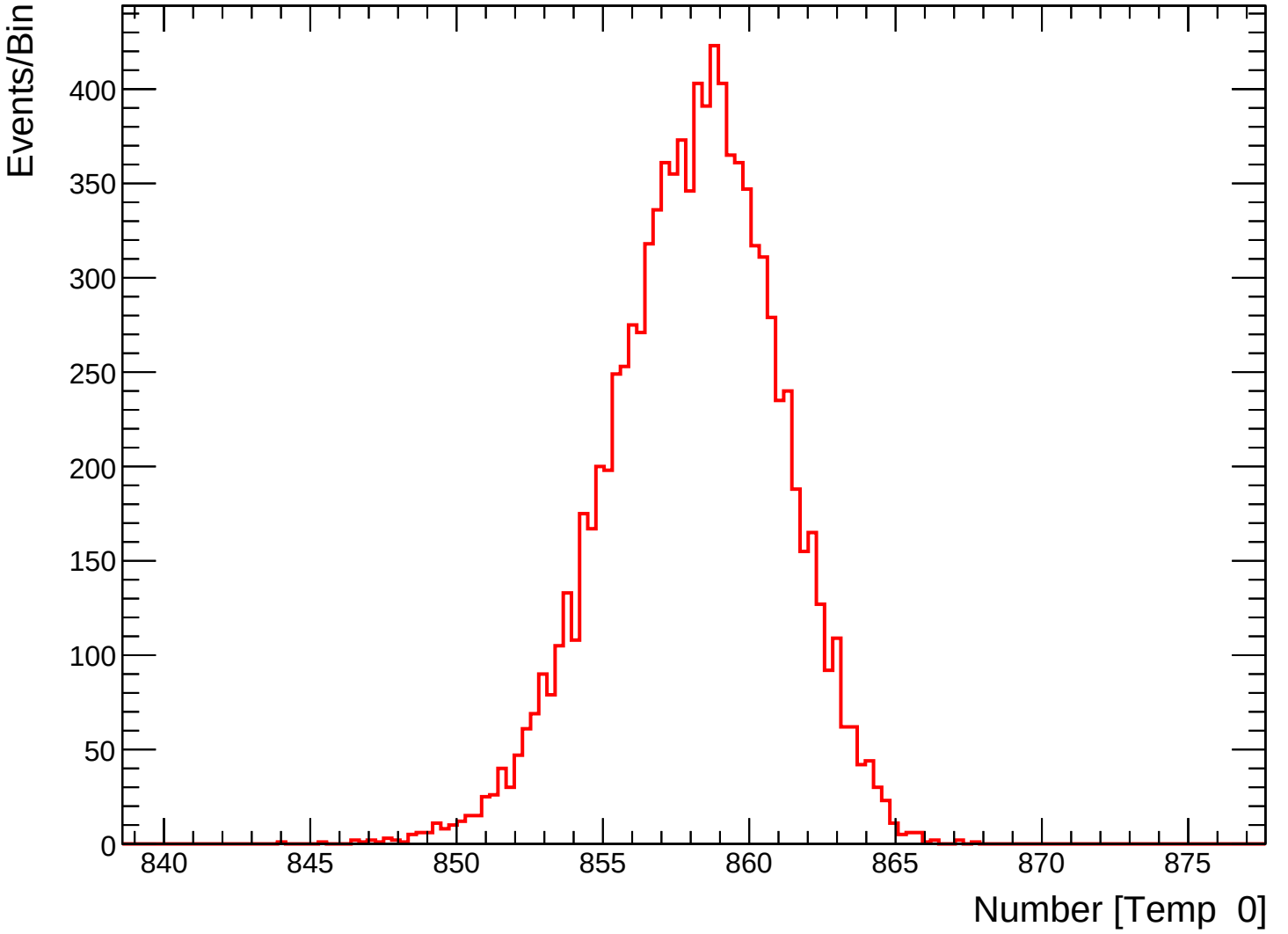
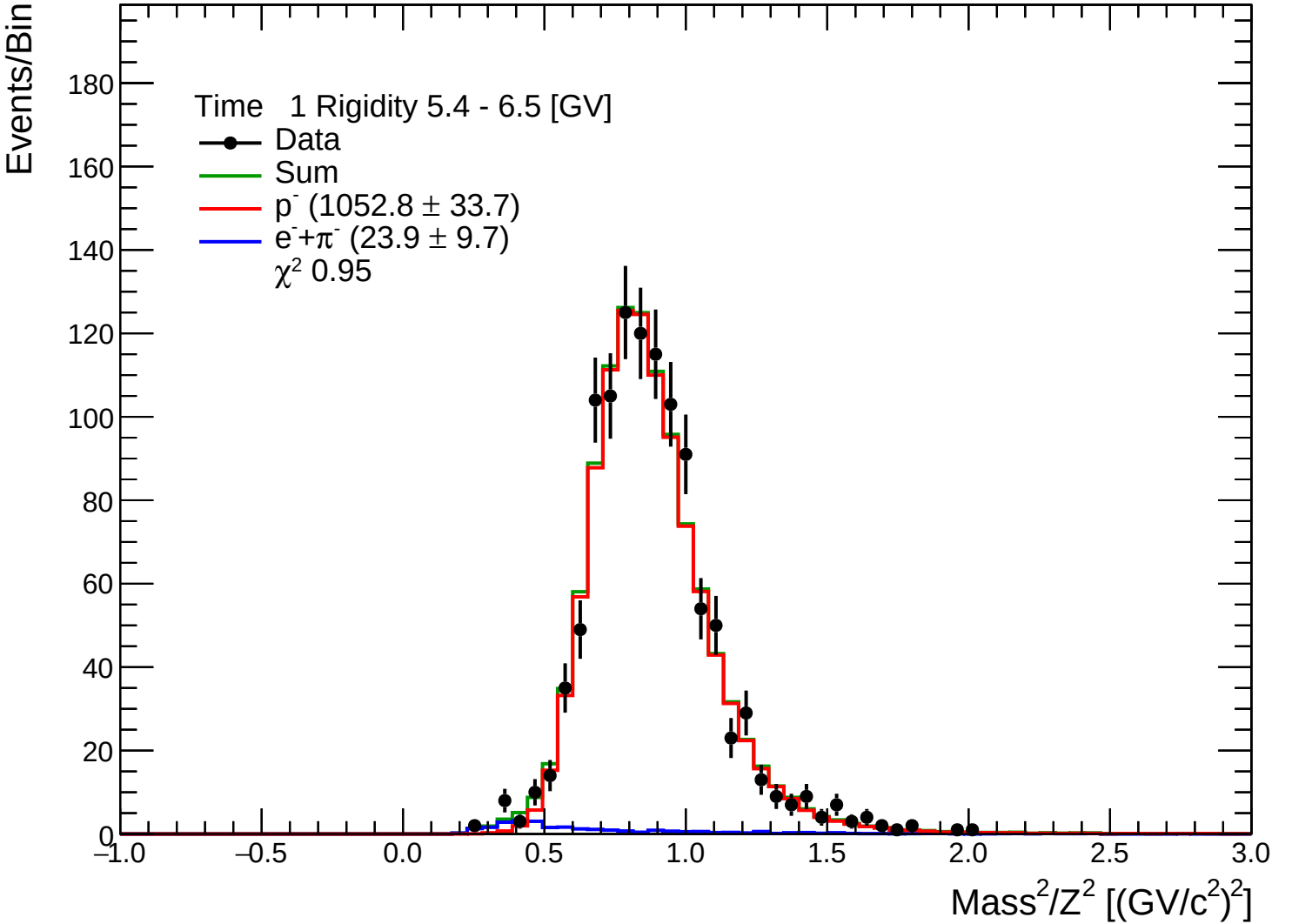
<< START >> apflux_tme2M_lrh

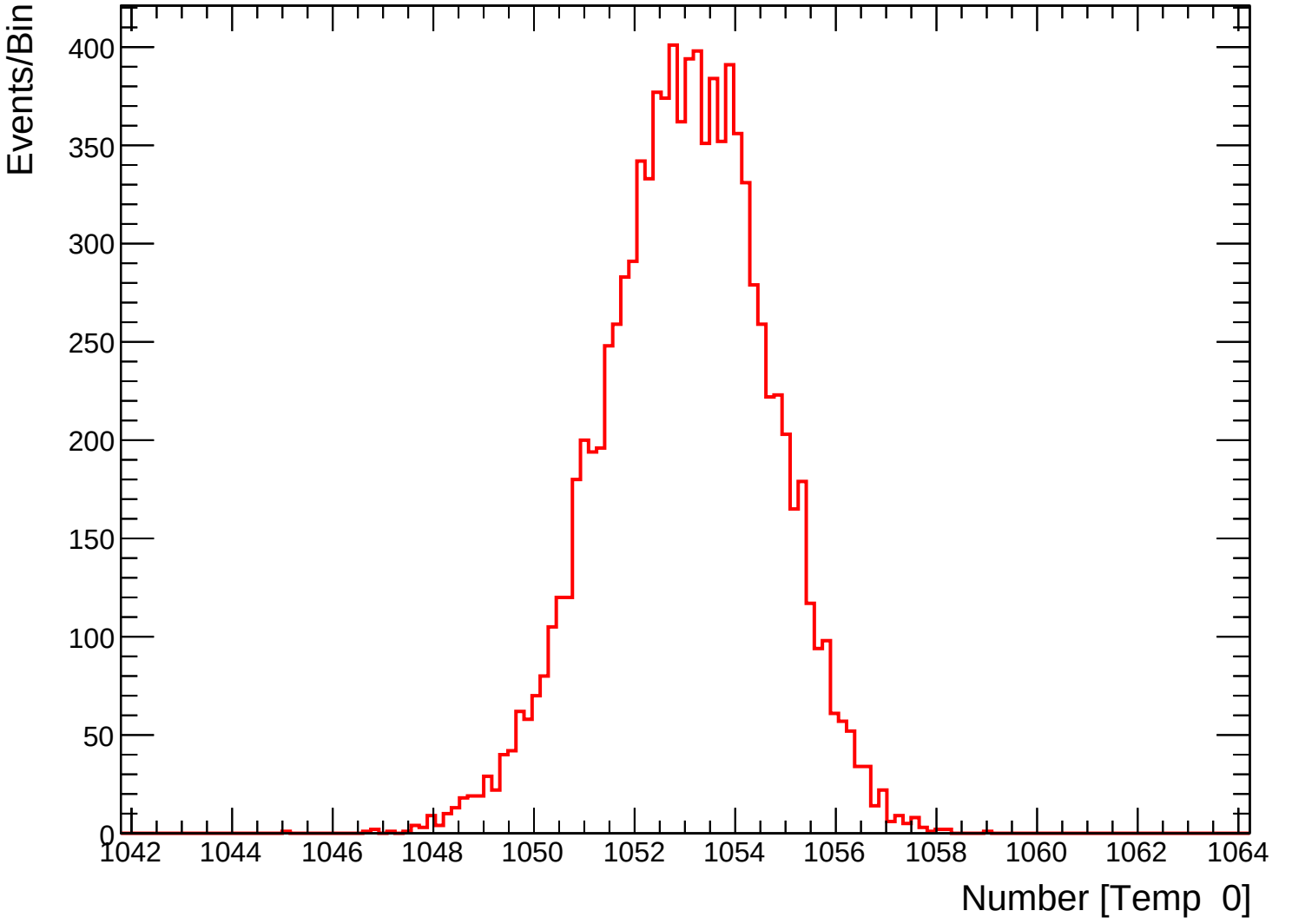

Time 1 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (447.3 ± 27.8)
e⁻+π⁻ (37.3 ± 19.1)
χ² 0.65
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

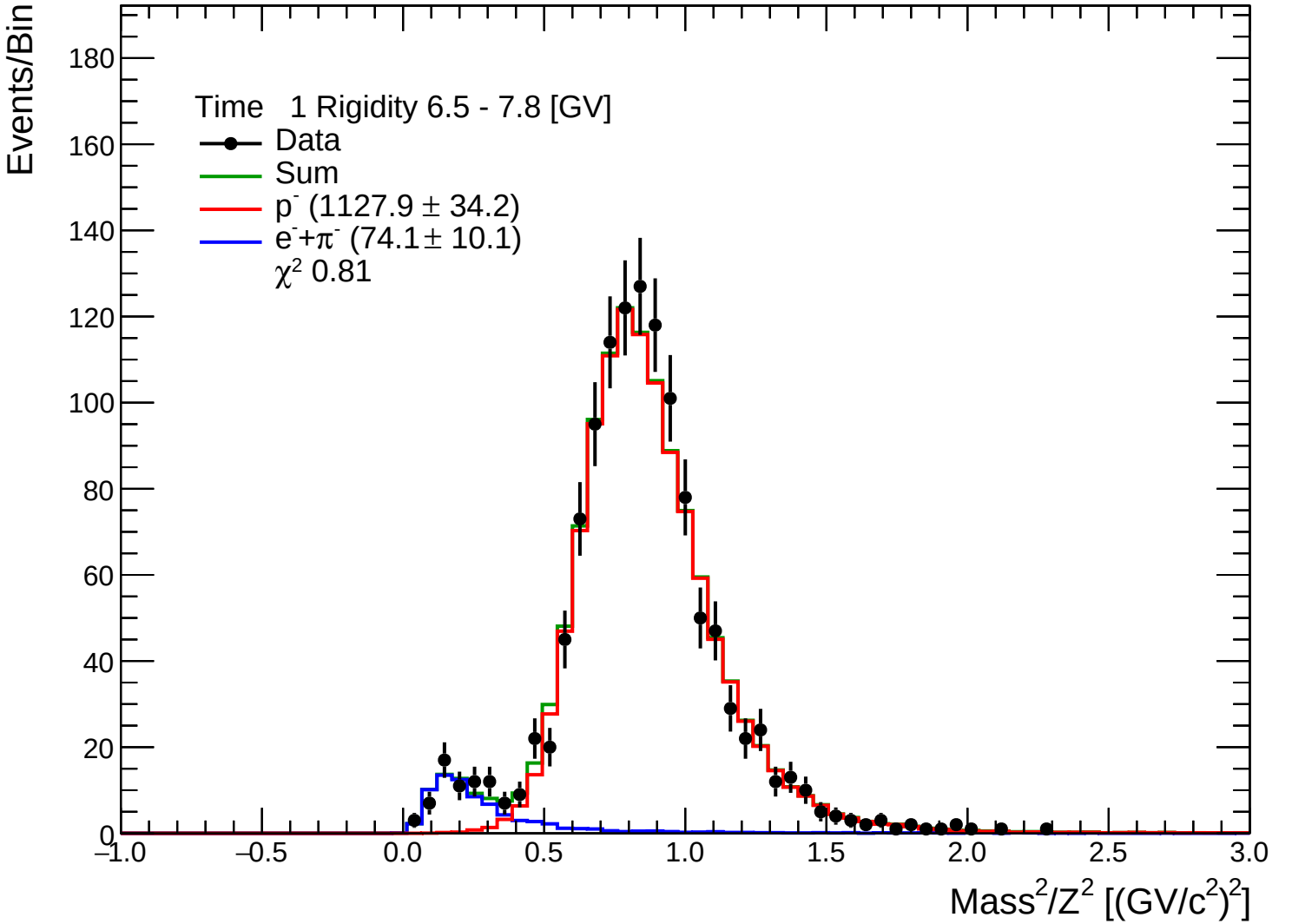

Events/Bin
400
350
300
250
200
150
100
50
0
430
435
440
445
450
455
460
465
Number [Temp 0]

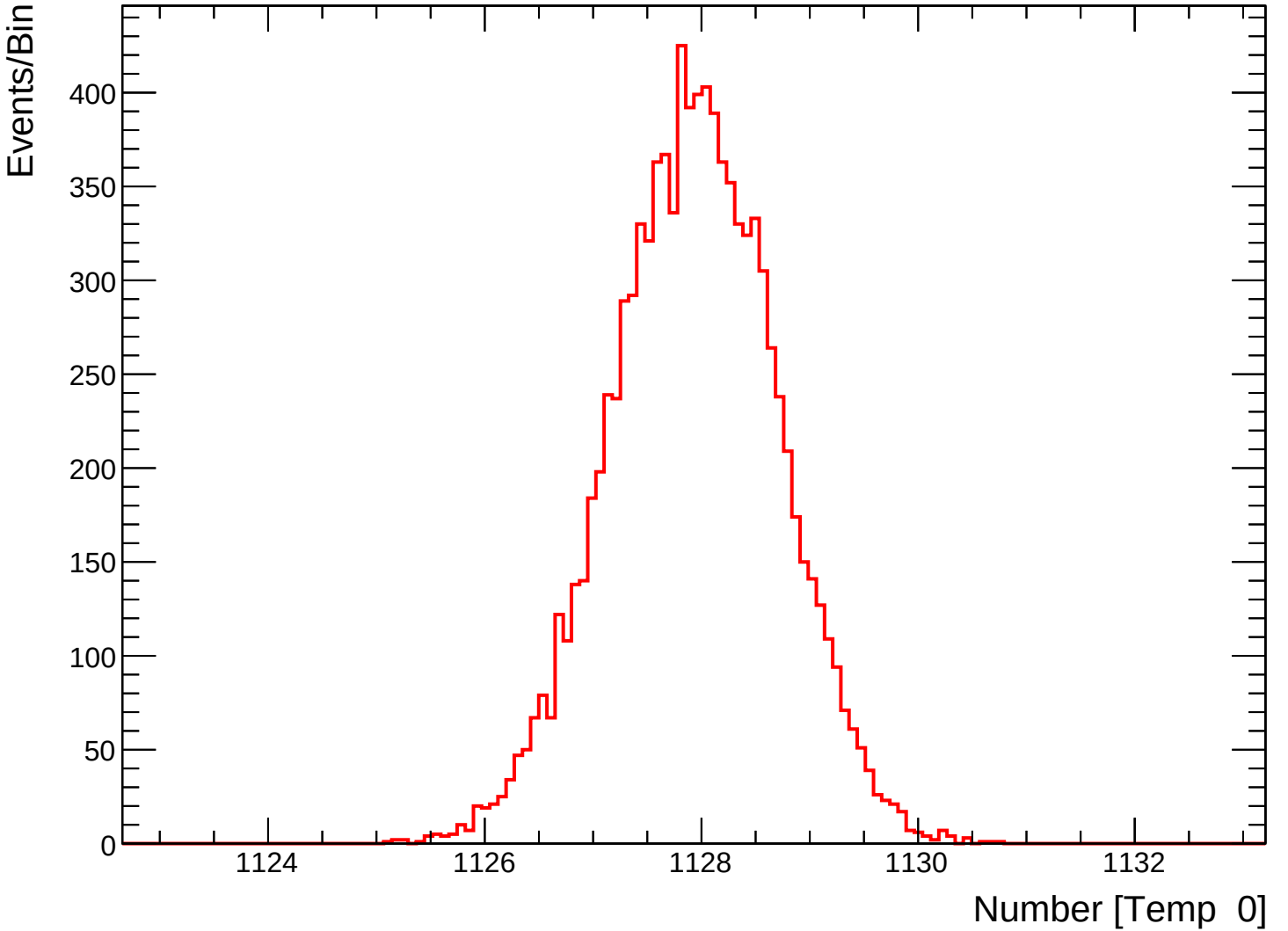

Time 1 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (856.7 ± 32.8)
e⁻+π⁻ (33.1± 15.7)
χ² 0.97
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

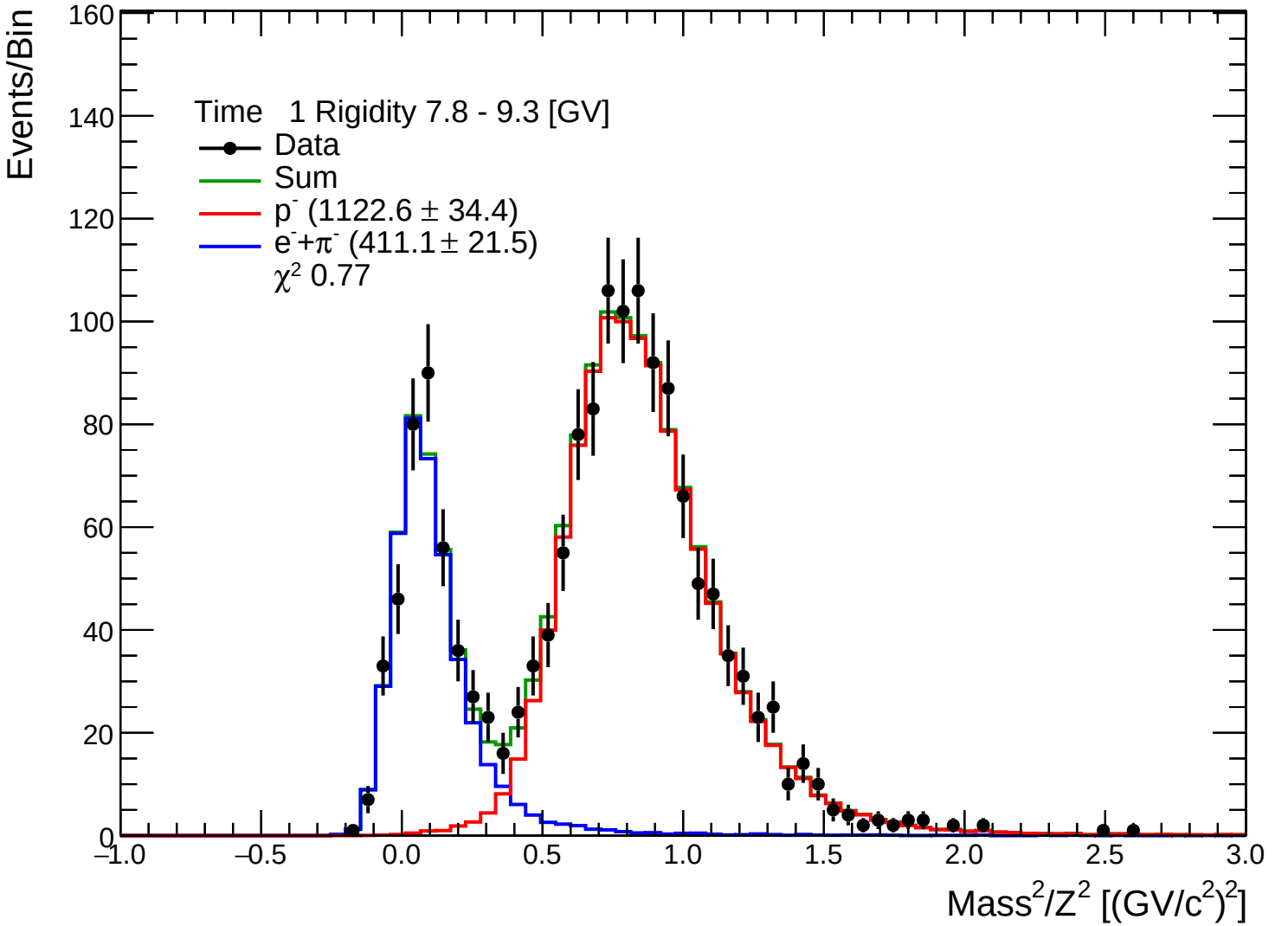

Events/Bin
400
350
300
250
200
150
100
50
0
840
845
850
855
860
865
870
875
Number [Temp 0]

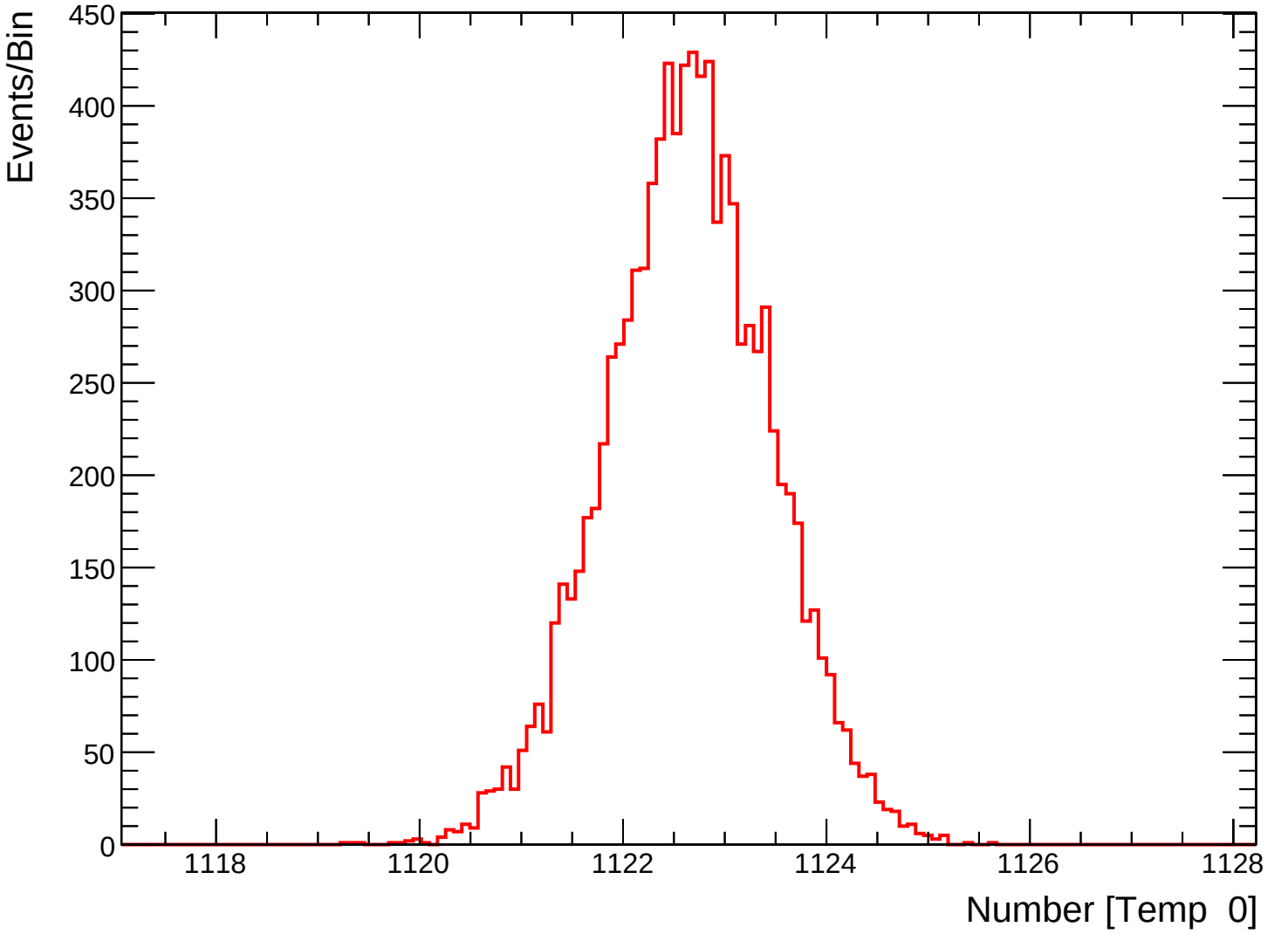

Events/Bin
Time 1 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (1052.8 ± 33.7)
e⁻+π⁻ (23.9 ± 9.7)
χ² 0.95
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Mass²/Z² [(GV/c²)²]

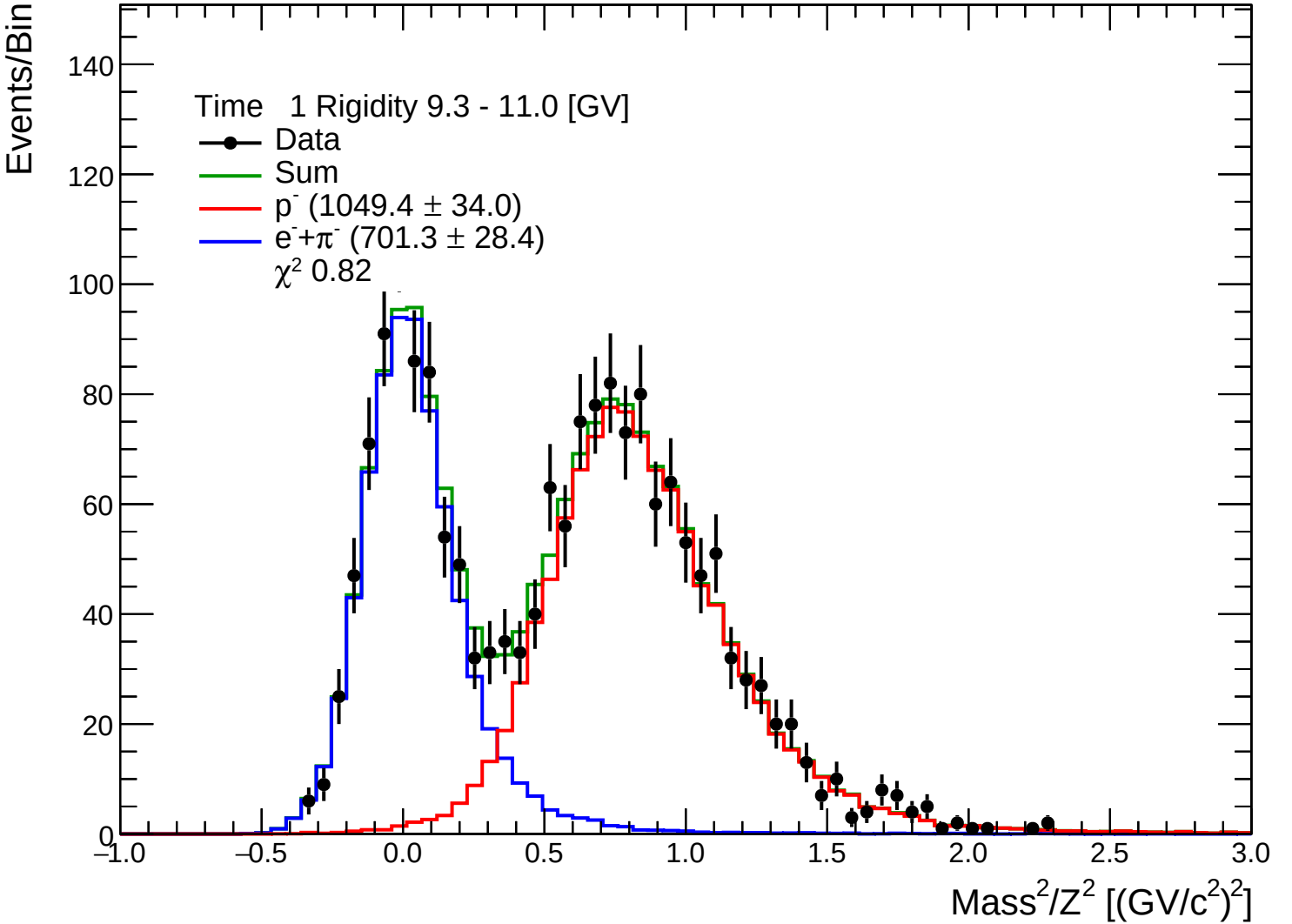

Events/Bin
400
350
300
250
200
150
100
50
0
1042
1044
1046
1048
1050
1052
1054
1056
1058
1060
1062
1064
Number [Temp 0]

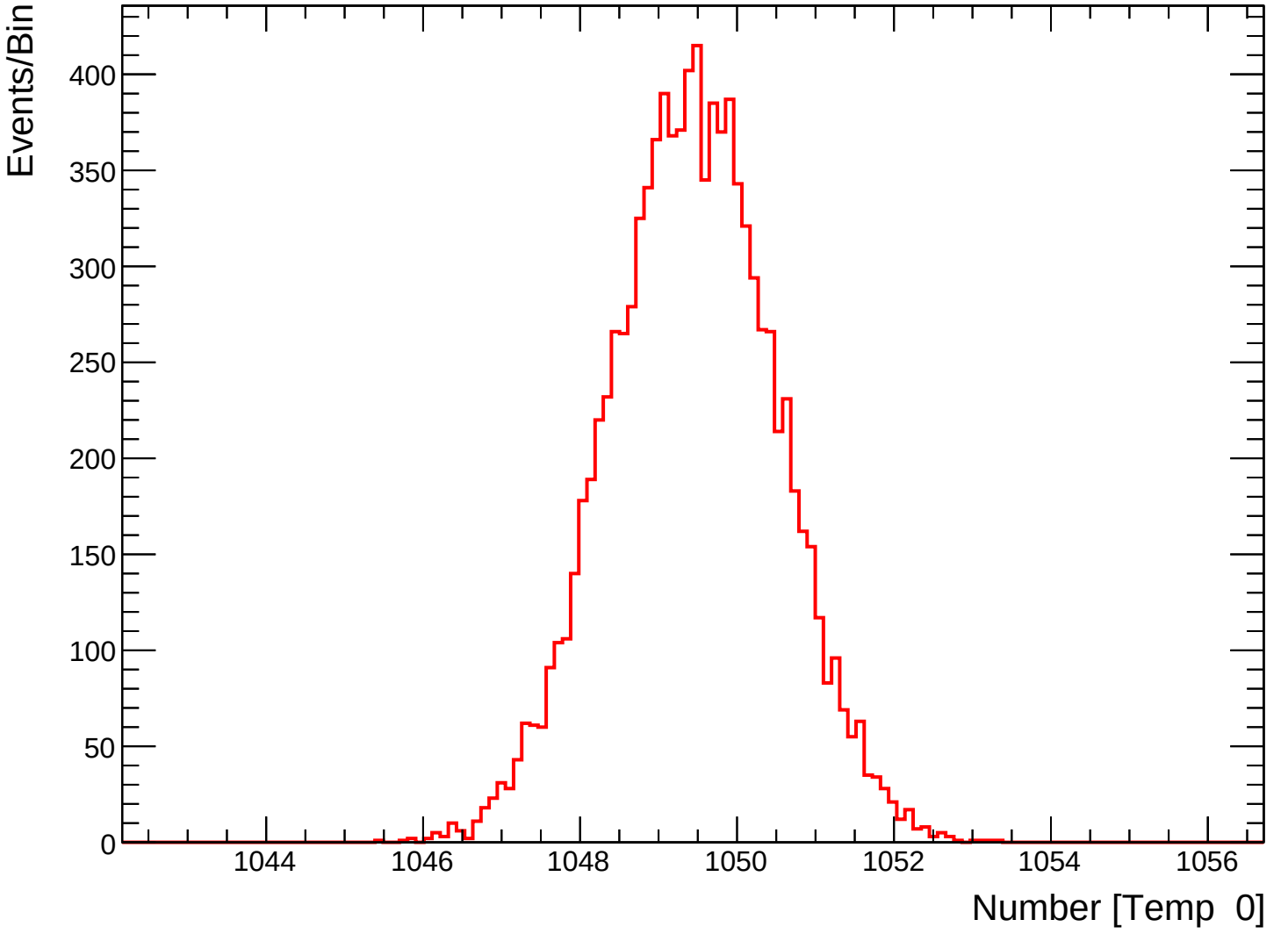

Time 1 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1127.9 ± 34.2)
e⁻+π⁻ (74.1± 10.1)
χ² 0.81
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

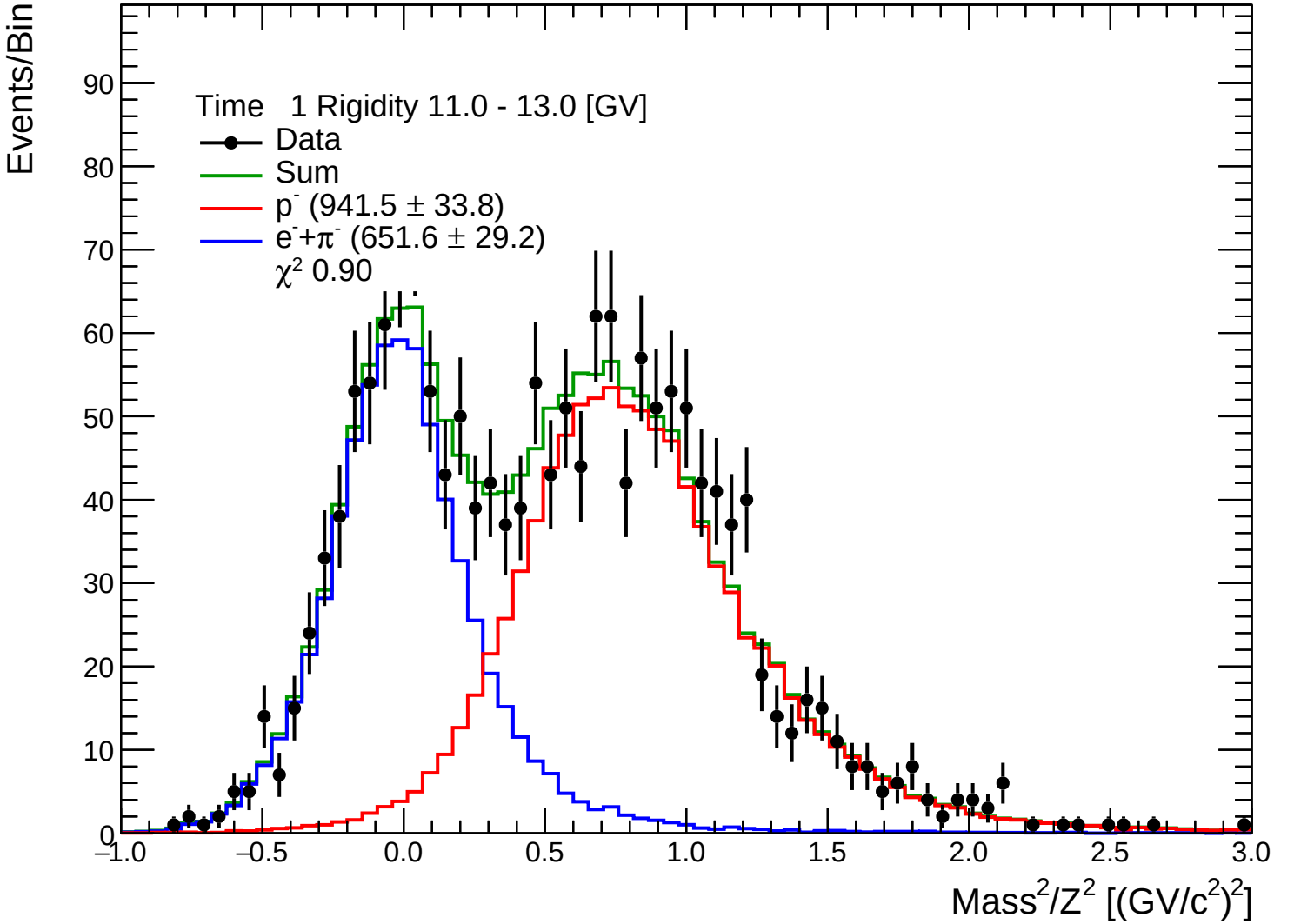

Events/Bin
400
350
300
250
200
150
100
50
0
1124
1126
1128
1130
1132
Number [Temp 0]

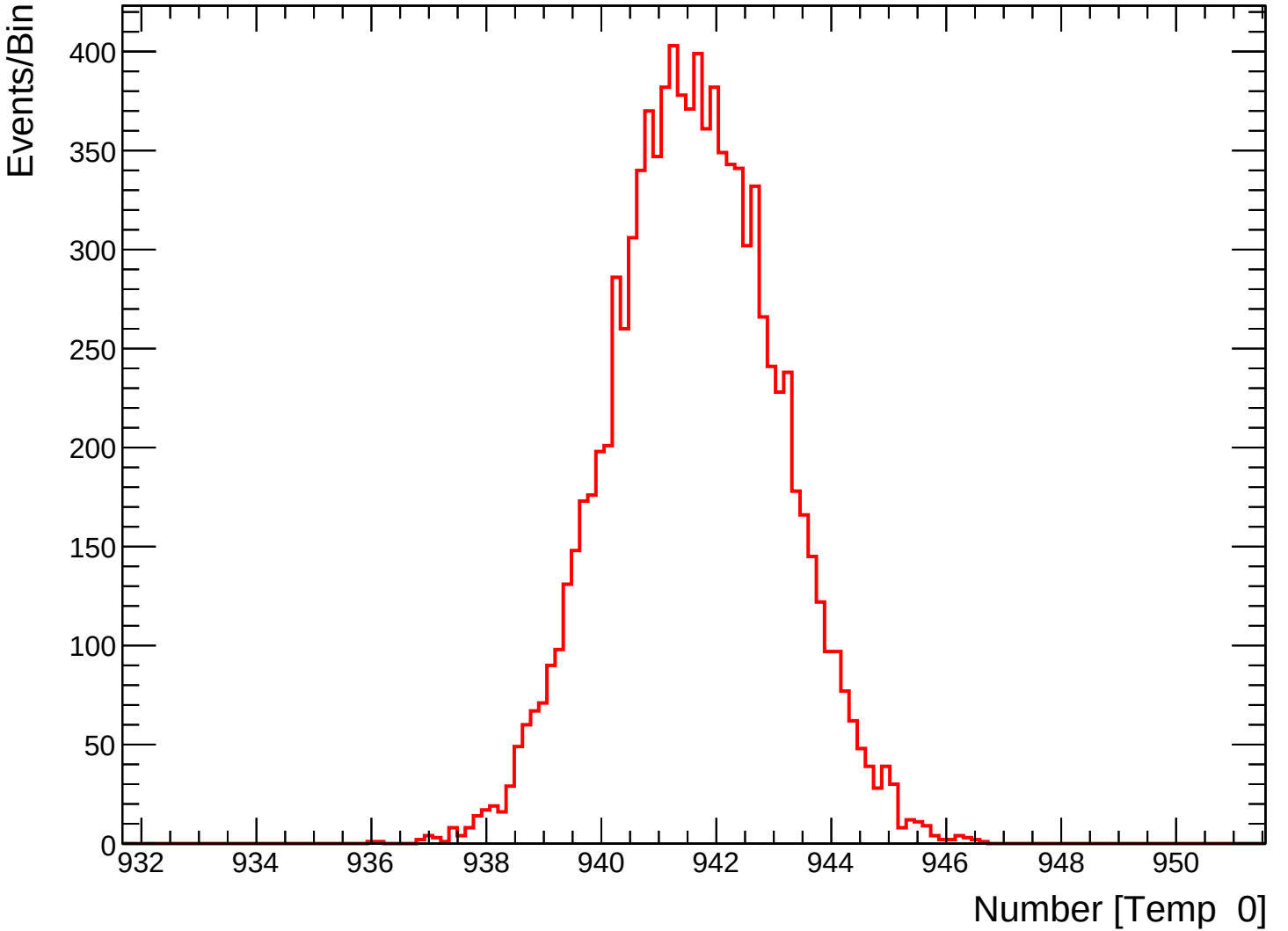

Time 1 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1122.6 ± 34.4)
e⁻+π⁻ (411.1 ± 21.5)
χ² 0.77
Events/Bin
Mass²/Z² [(GV/c²)²]
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

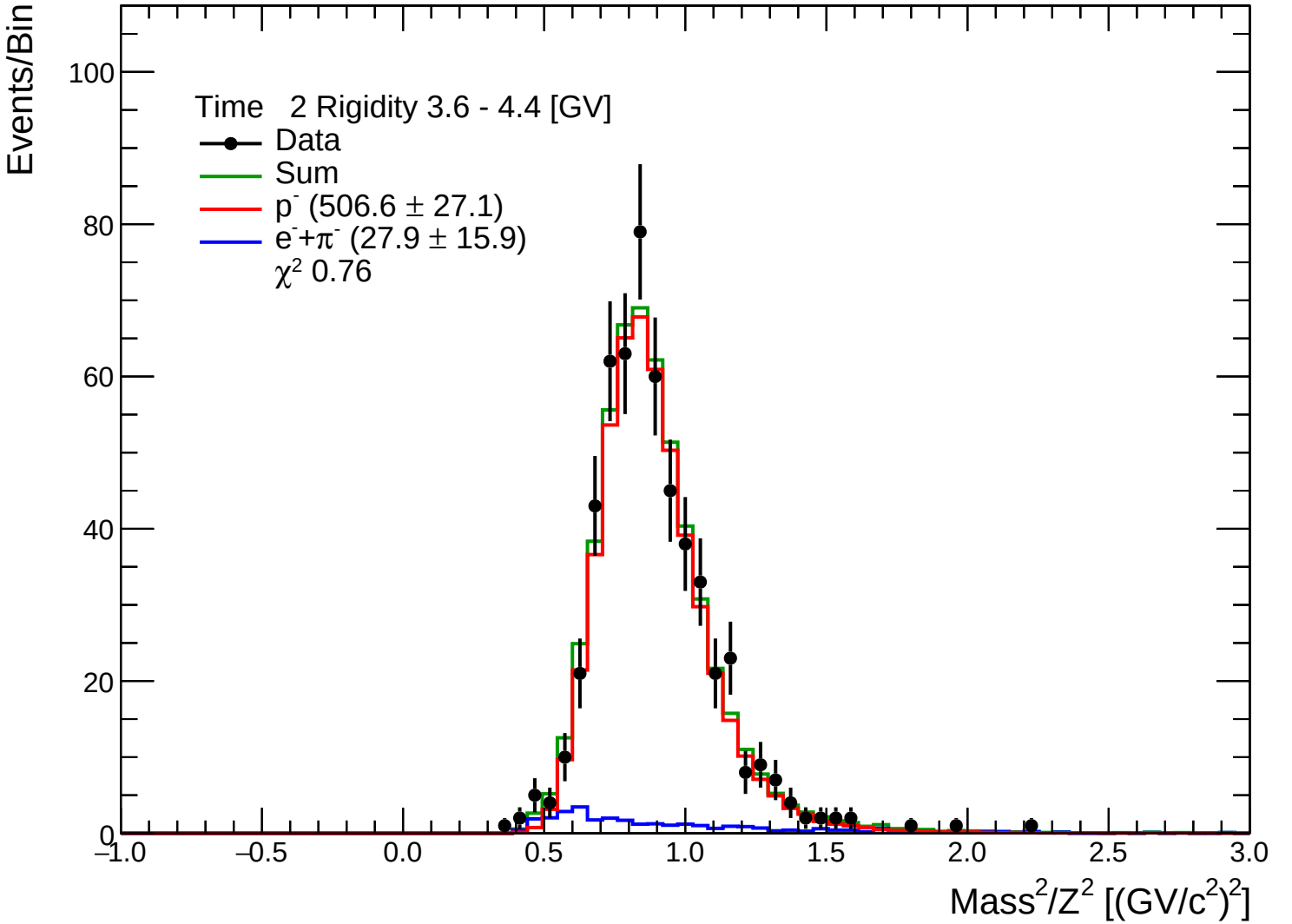

Events/Bin
450
400
350
300
250
200
150
100
50
0
1118
1120
1122
1124
1126
1128
Number [Temp 0]

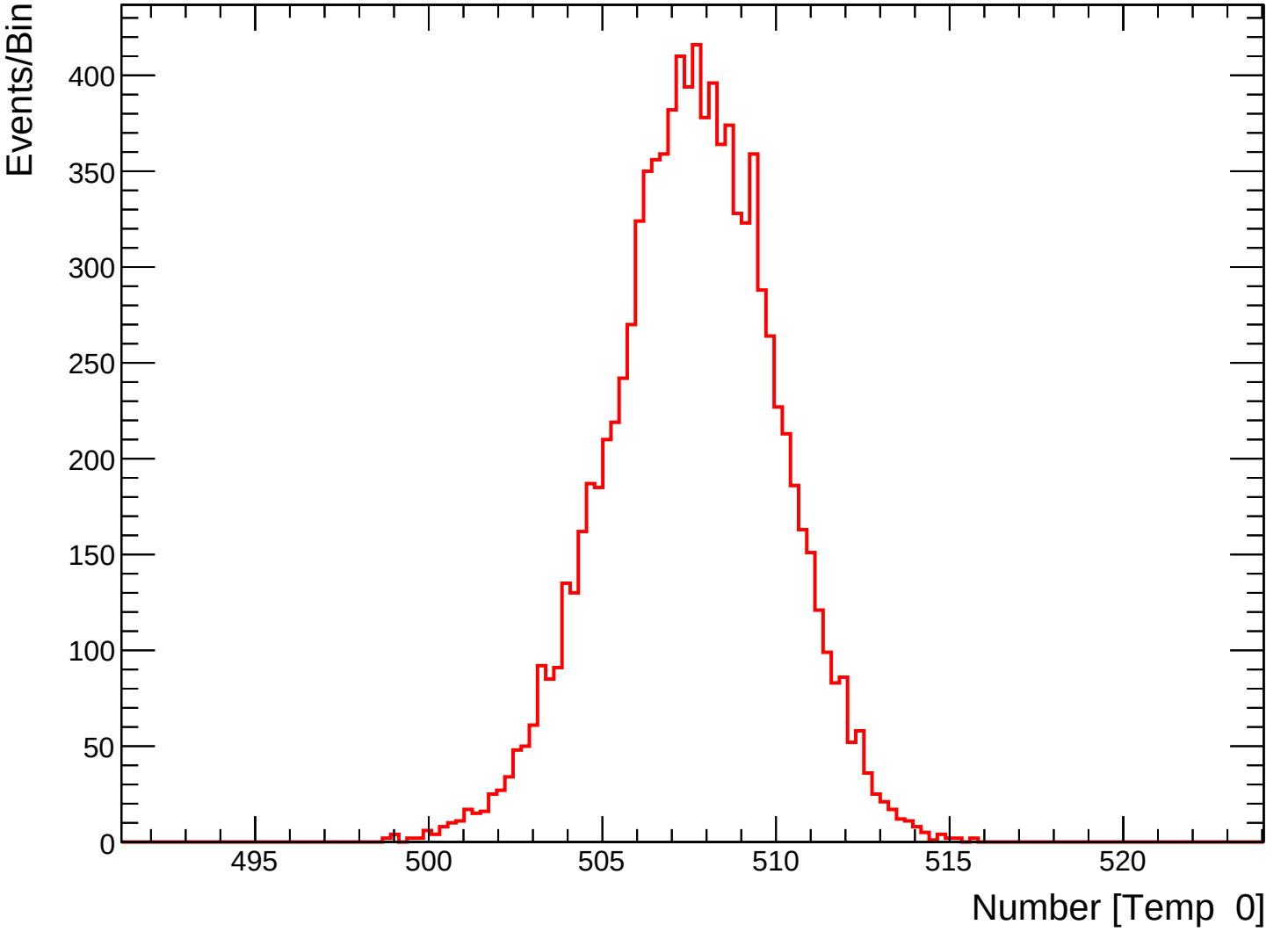

Time 1 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (1049.4 ± 34.0)
e⁻+π⁻ (701.3 ± 28.4)
χ² 0.82
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

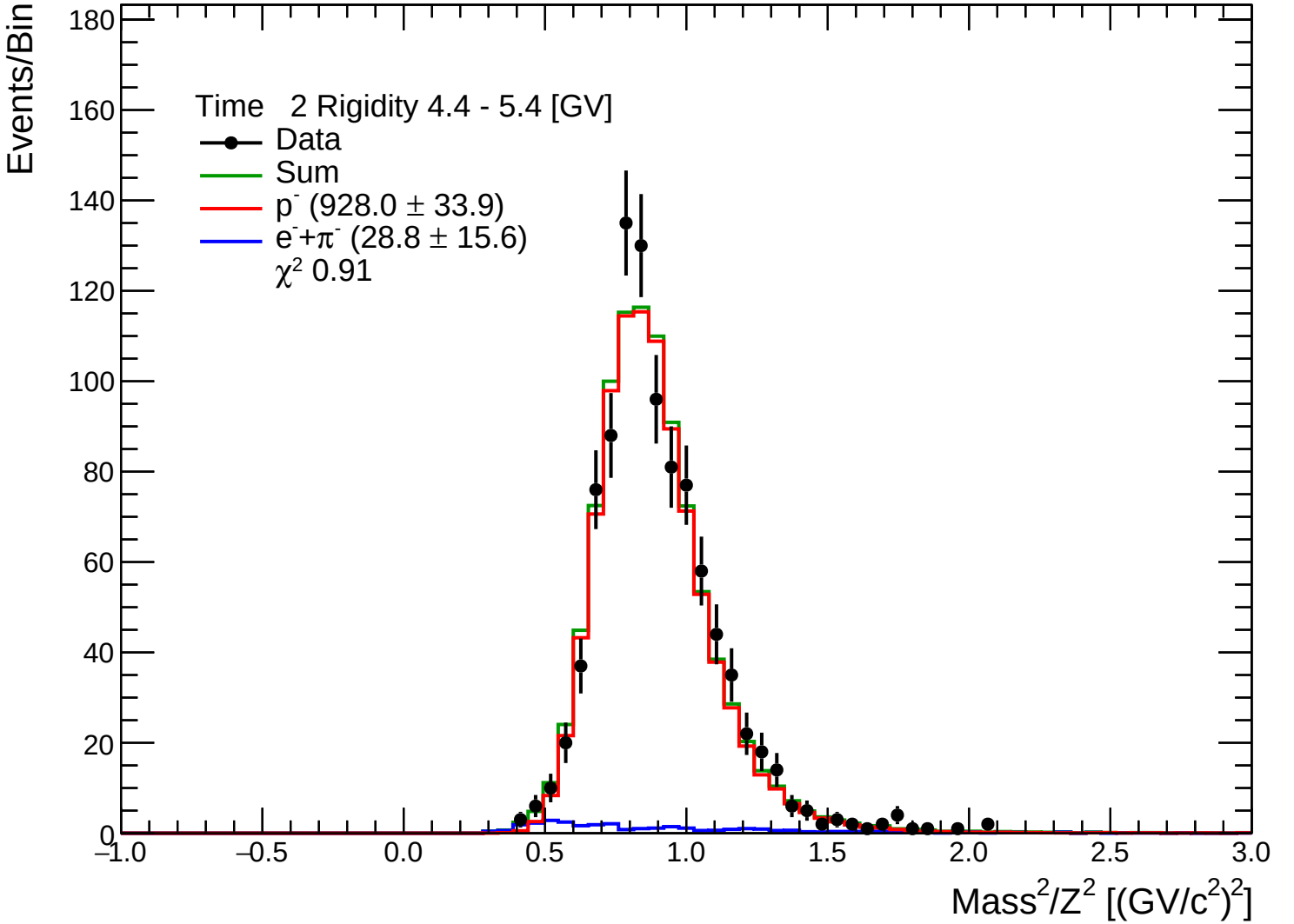

Events/Bin
400
350
300
250
200
150
100
50
0
1044
1046
1048
1050
1052
1054
1056
Number [Temp 0]

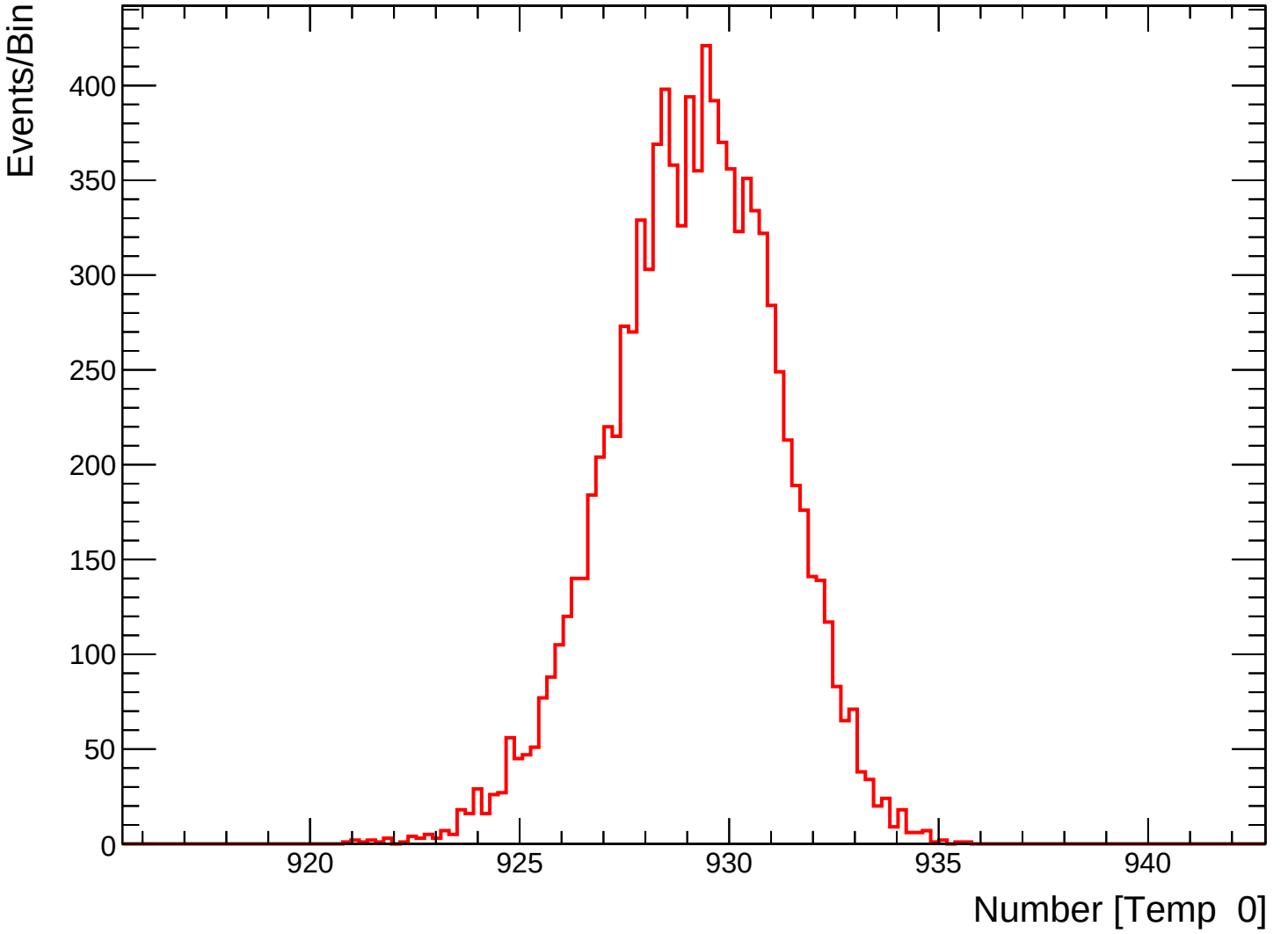

Time 1 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (941.5 ± 33.8)
e⁻+π⁻ (651.6 ± 29.2)
χ² 0.90
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

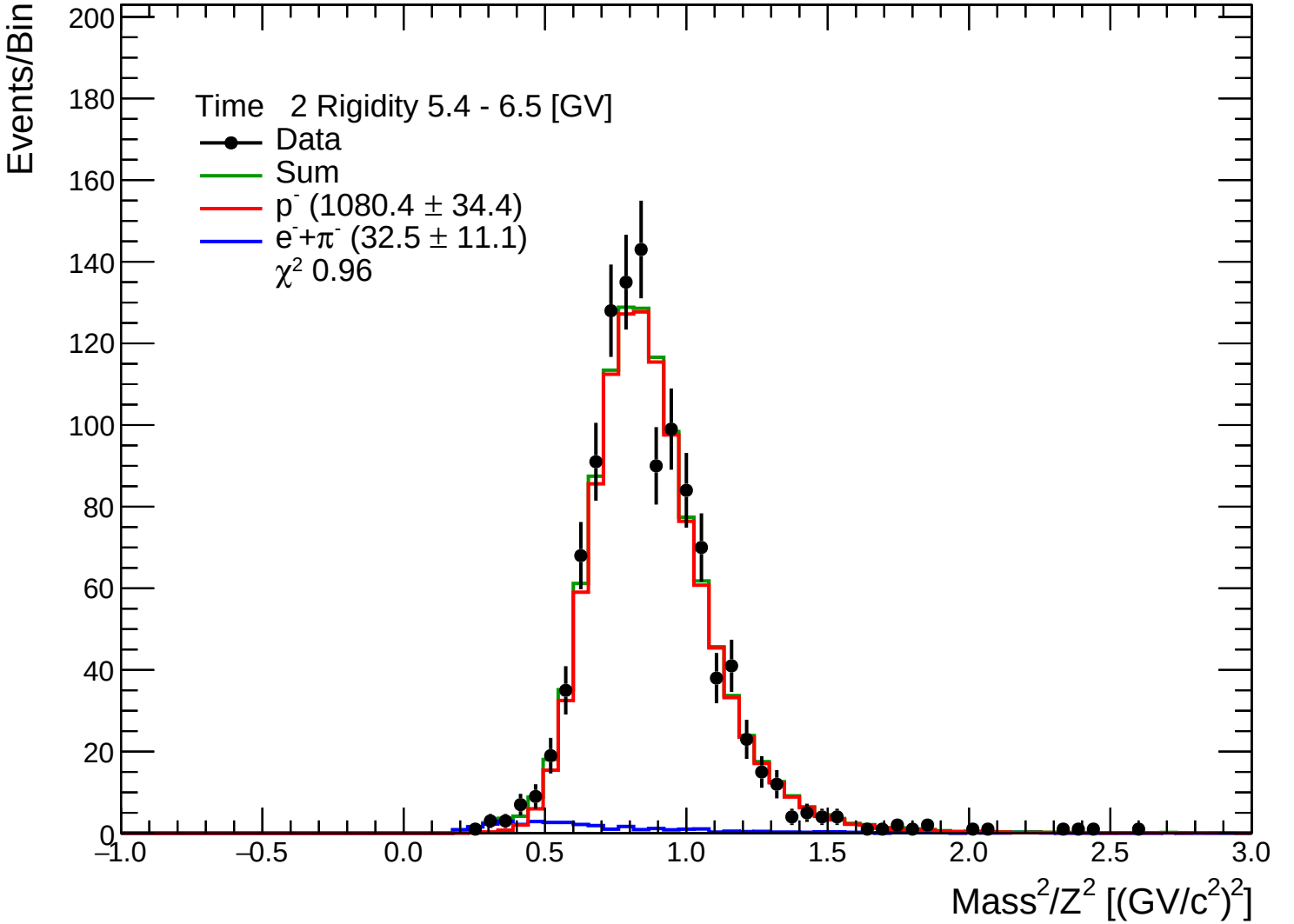

Events/Bin
400
350
300
250
200
150
100
50
0
932
934
936
938
940
942
944
946
948
950
Number [Temp 0]

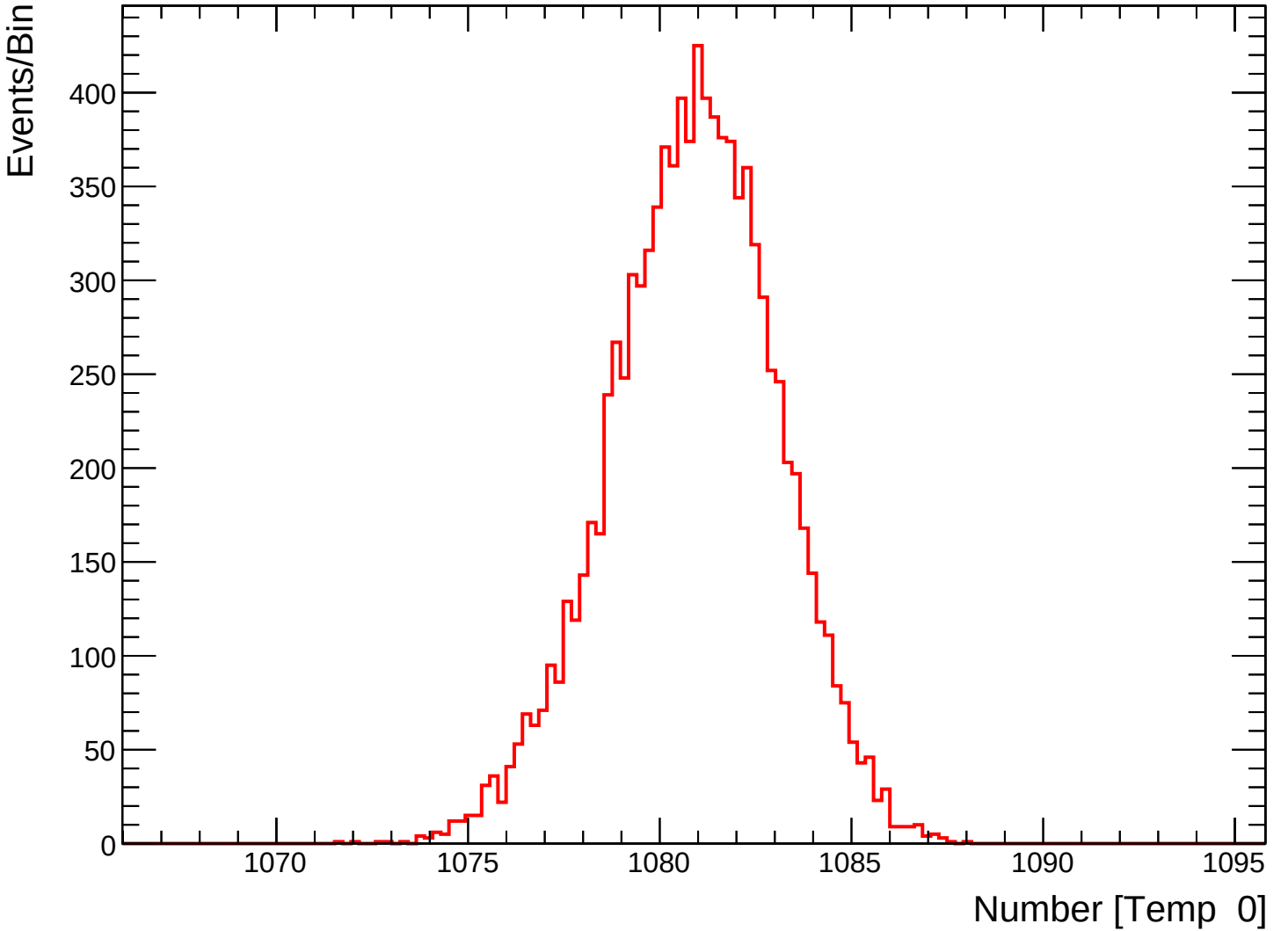

Time 2 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (506.6 ± 27.1)
e⁻+π⁻ (27.9 ± 15.9)
χ² 0.76
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

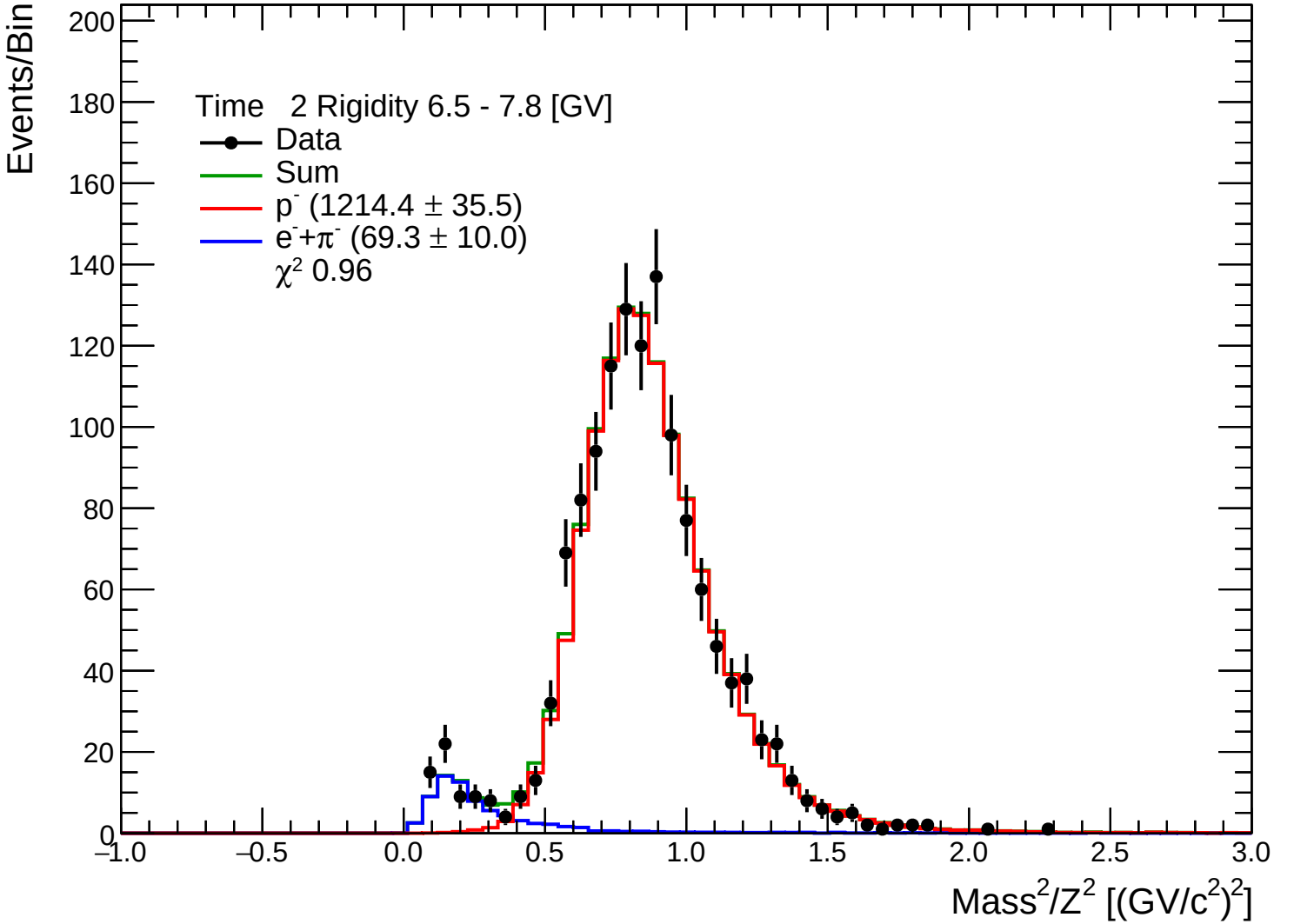

Events/Bin
400
350
300
250
200
150
100
50
0
495
500
505
510
515
520
Number [Temp 0]

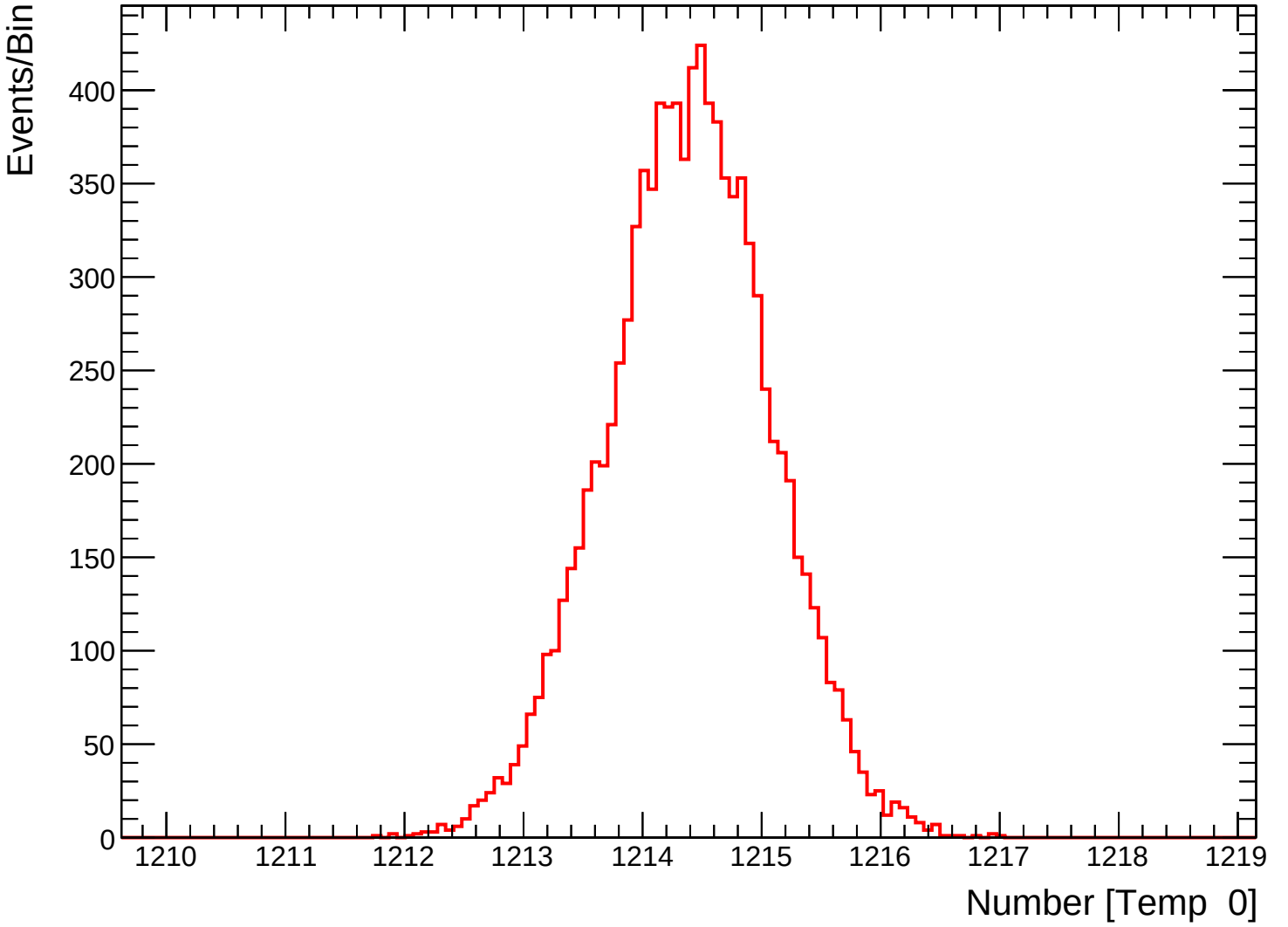

Time 2 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (928.0 ± 33.9)
e⁻+π⁻ (28.8 ± 15.6)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

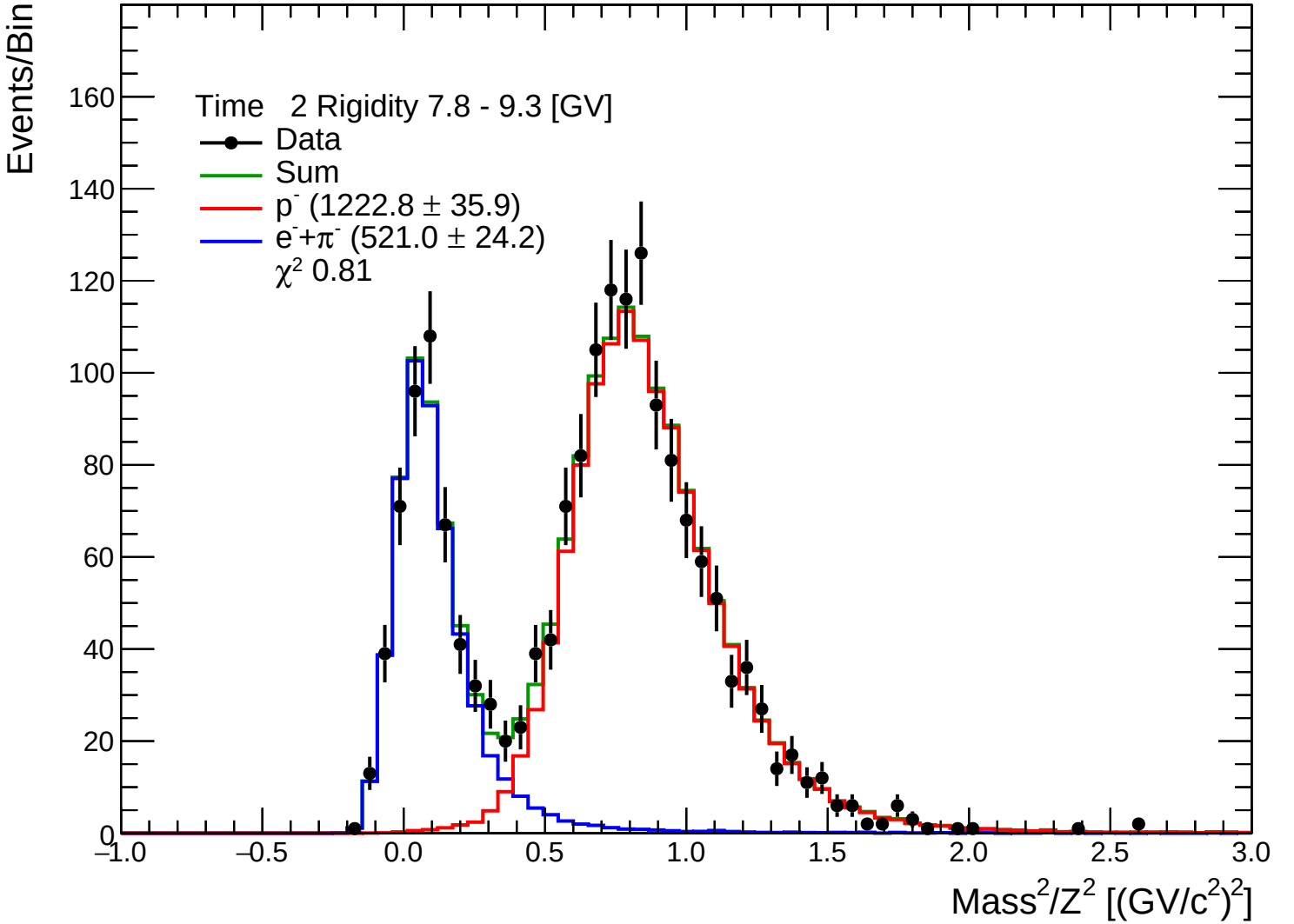

Events/Bin
400
350
300
250
200
150
100
50
0
920
925
930
935
940
Number [Temp 0]

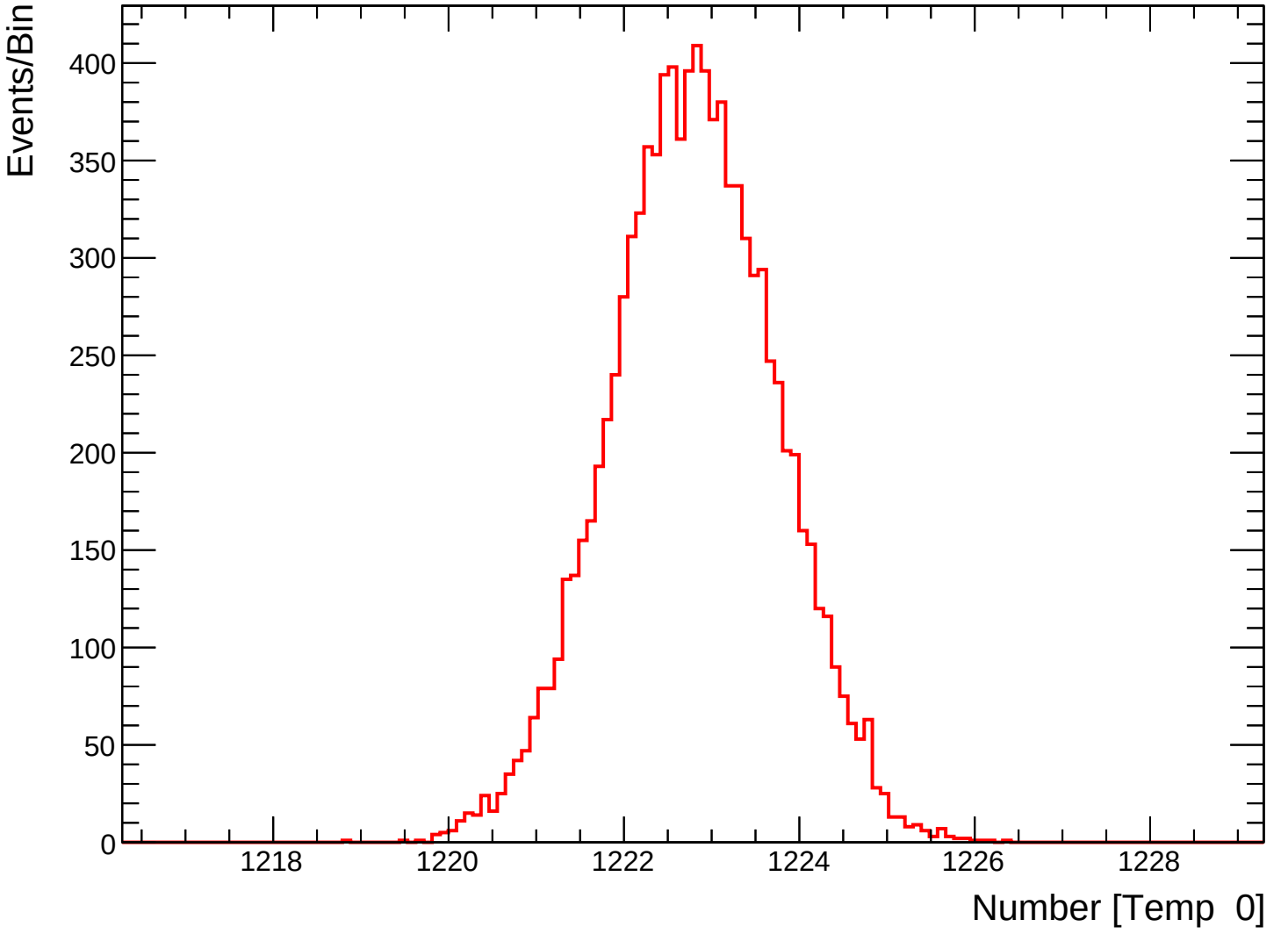

Time 2 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (1080.4 ± 34.4)
e⁻+π⁻ (32.5 ± 11.1)
χ² 0.96
Events/Bin
Mass²/Z² [(GV/c²)²]
200
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

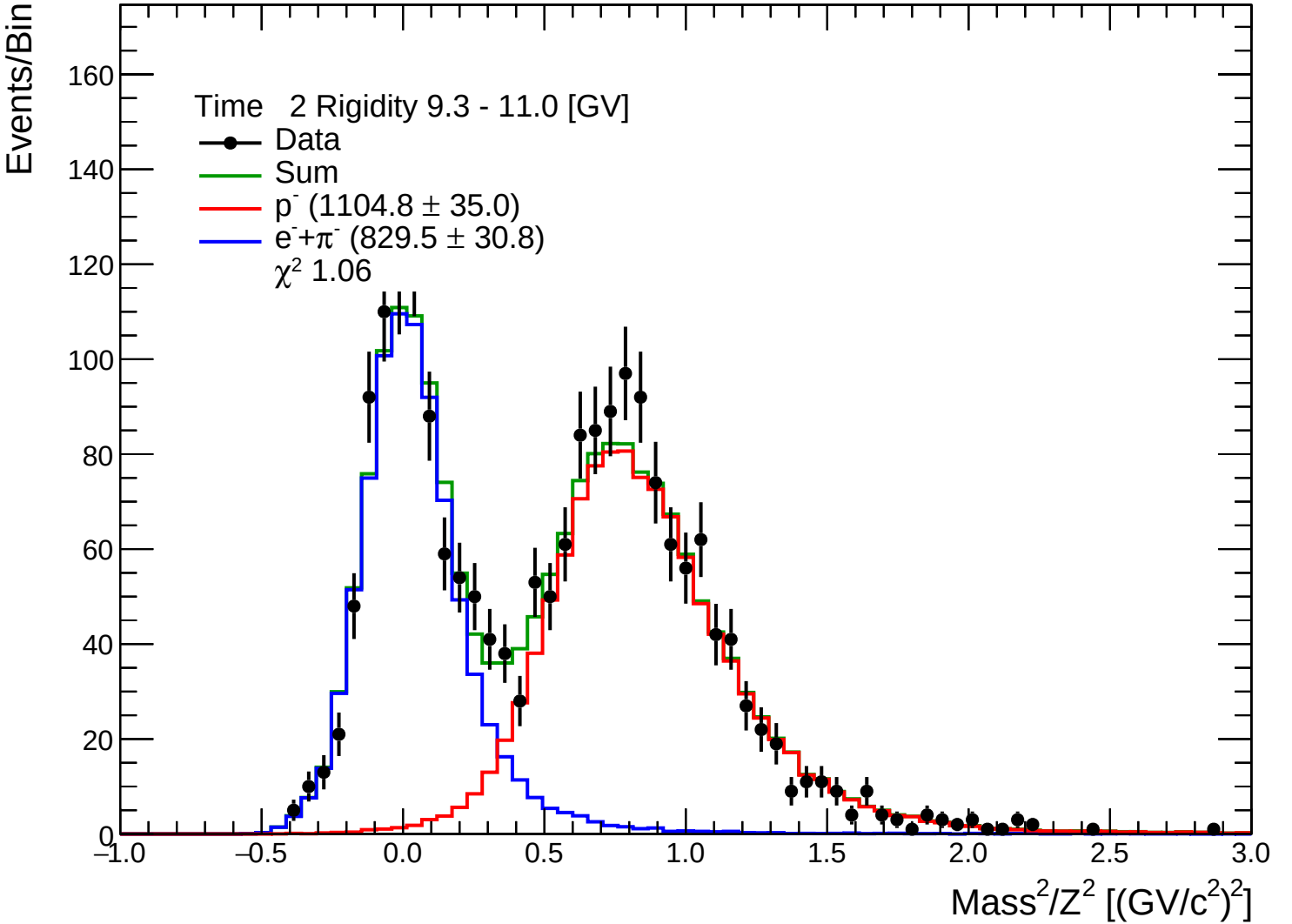

Events/Bin
400
350
300
250
200
150
100
50
0
1070
1075
1080
1085
1090
1095
Number [Temp 0]

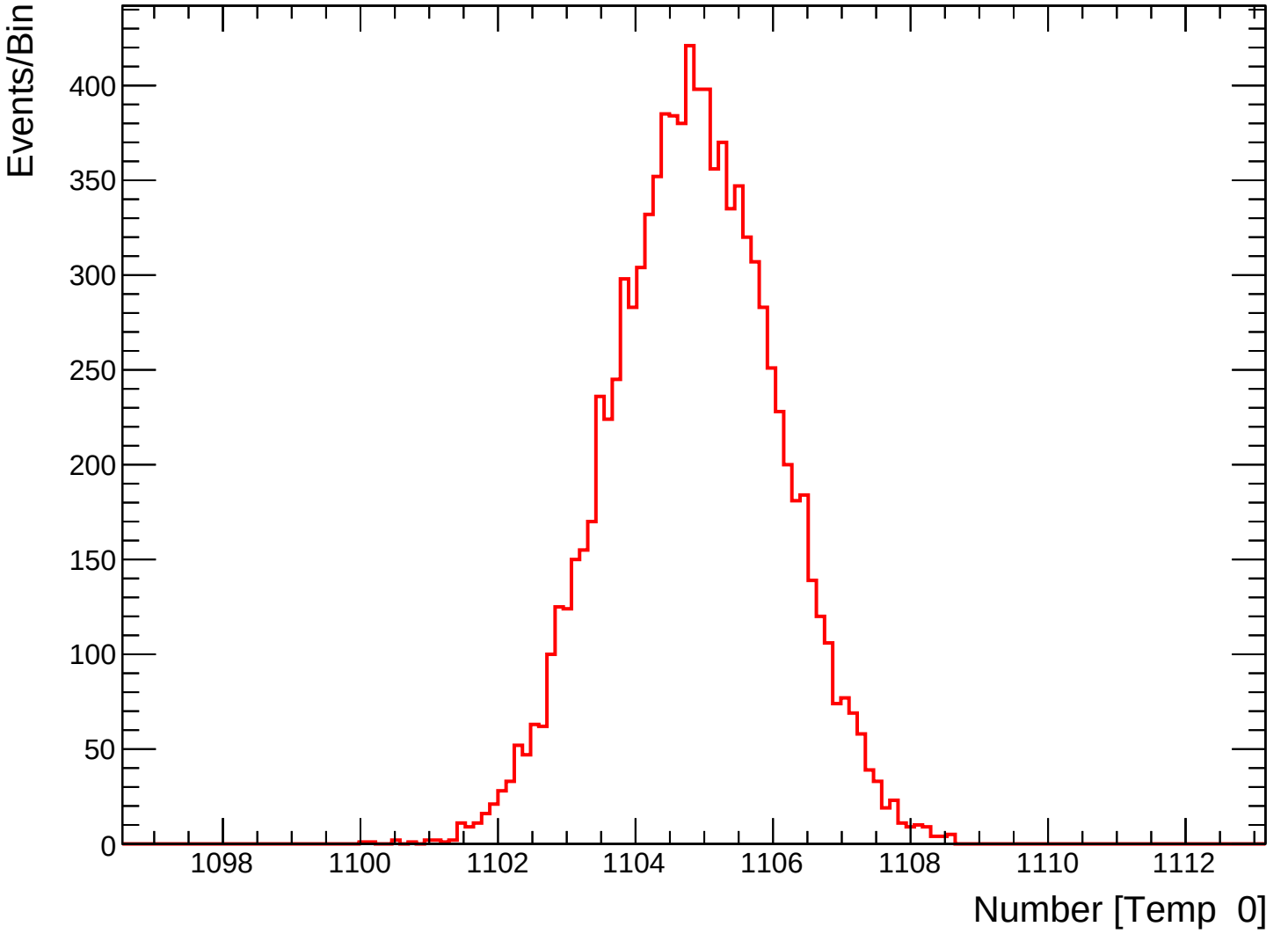

Time 2 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1214.4 ± 35.5)
e⁻+π⁻ (69.3 ± 10.0)
χ² 0.96
Events/Bin
Mass²/Z² [(GV/c²)²]
200
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

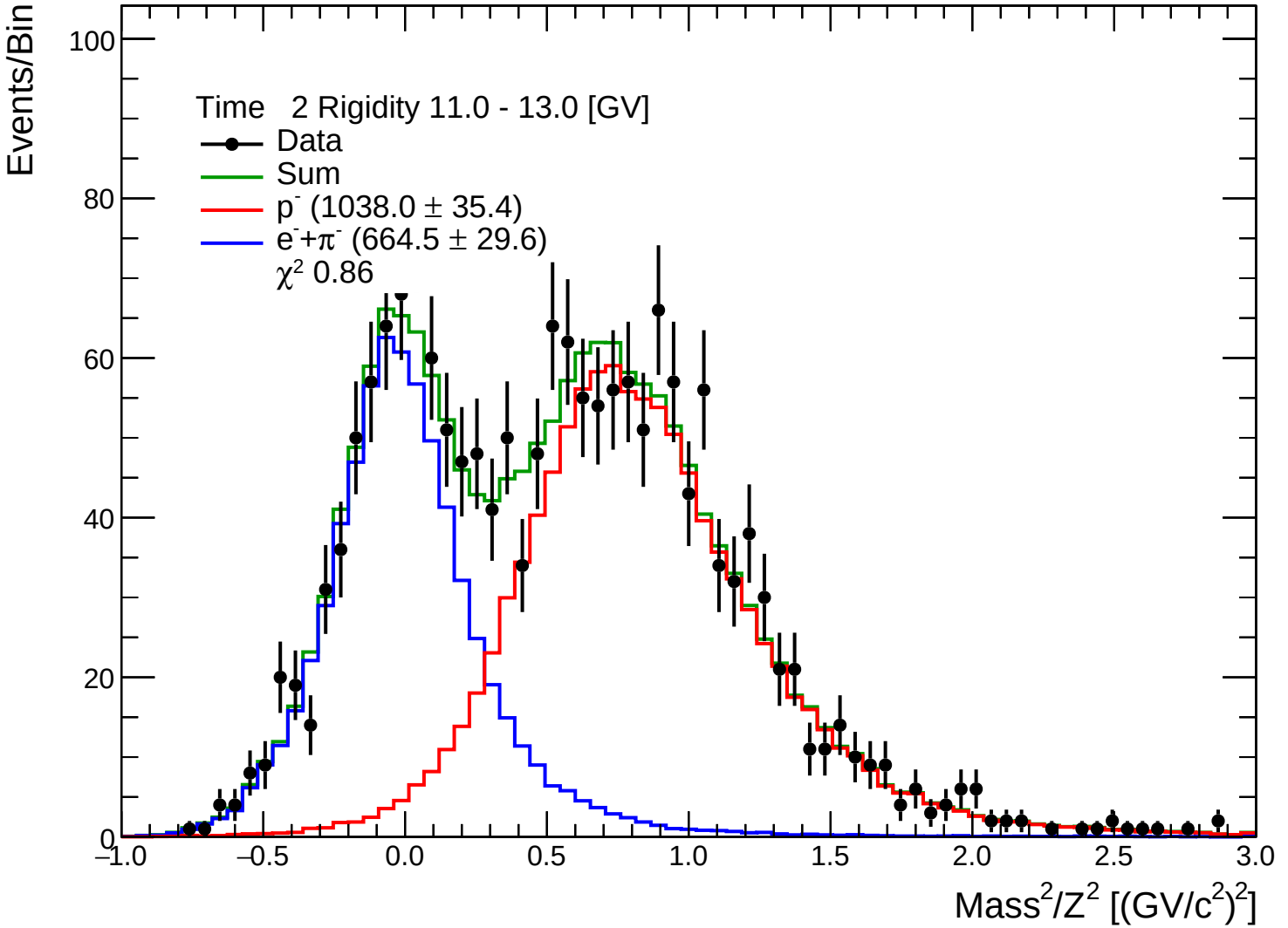

Events/Bin
400
350
300
250
200
150
100
50
0
1210
1211
1212
1213
1214
1215
1216
1217
1218
1219
Number [Temp 0]

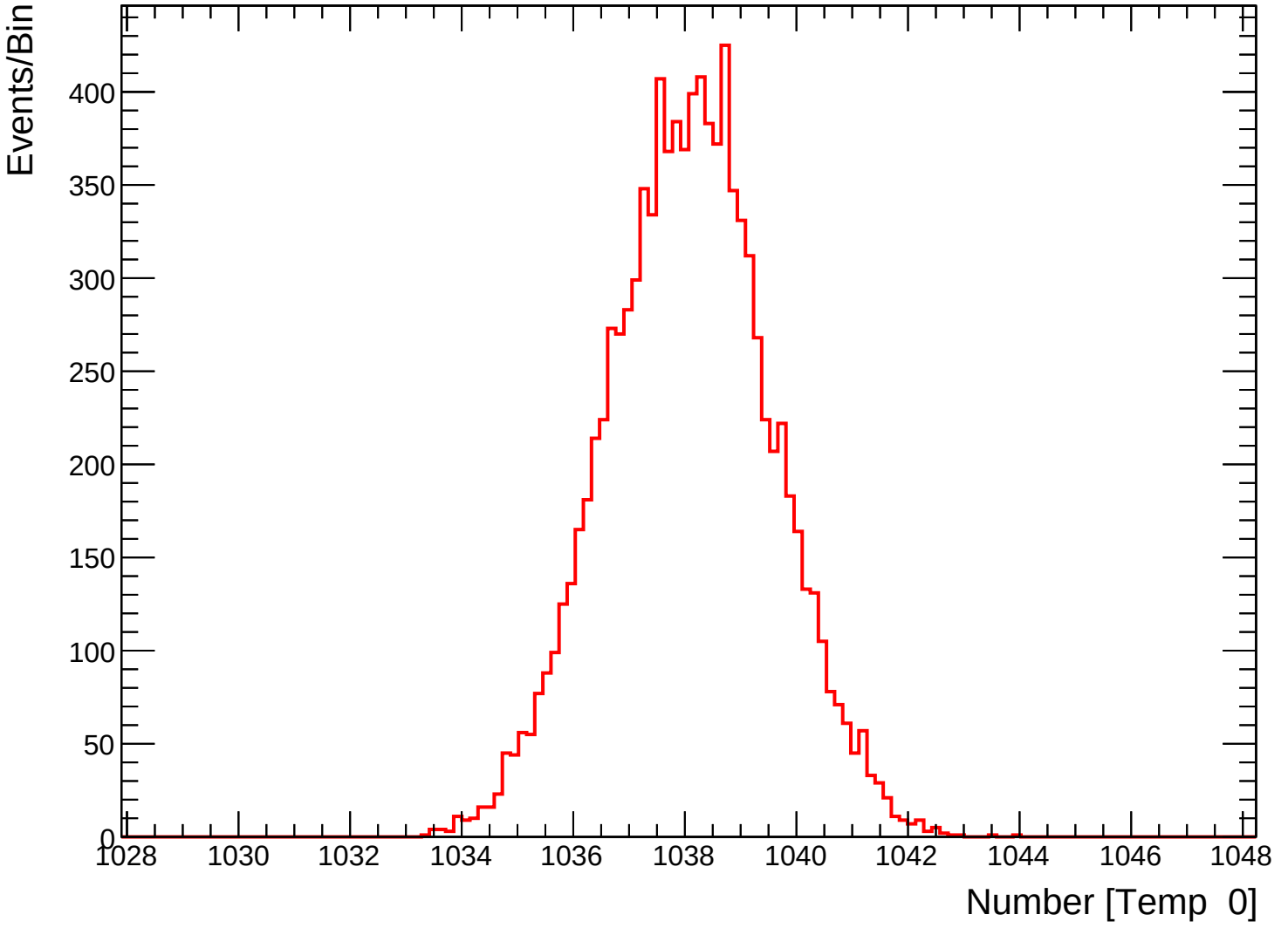

Time 2 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1222.8 ± 35.9)
e⁻+π⁻ (521.0 ± 24.2)
χ² 0.81
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

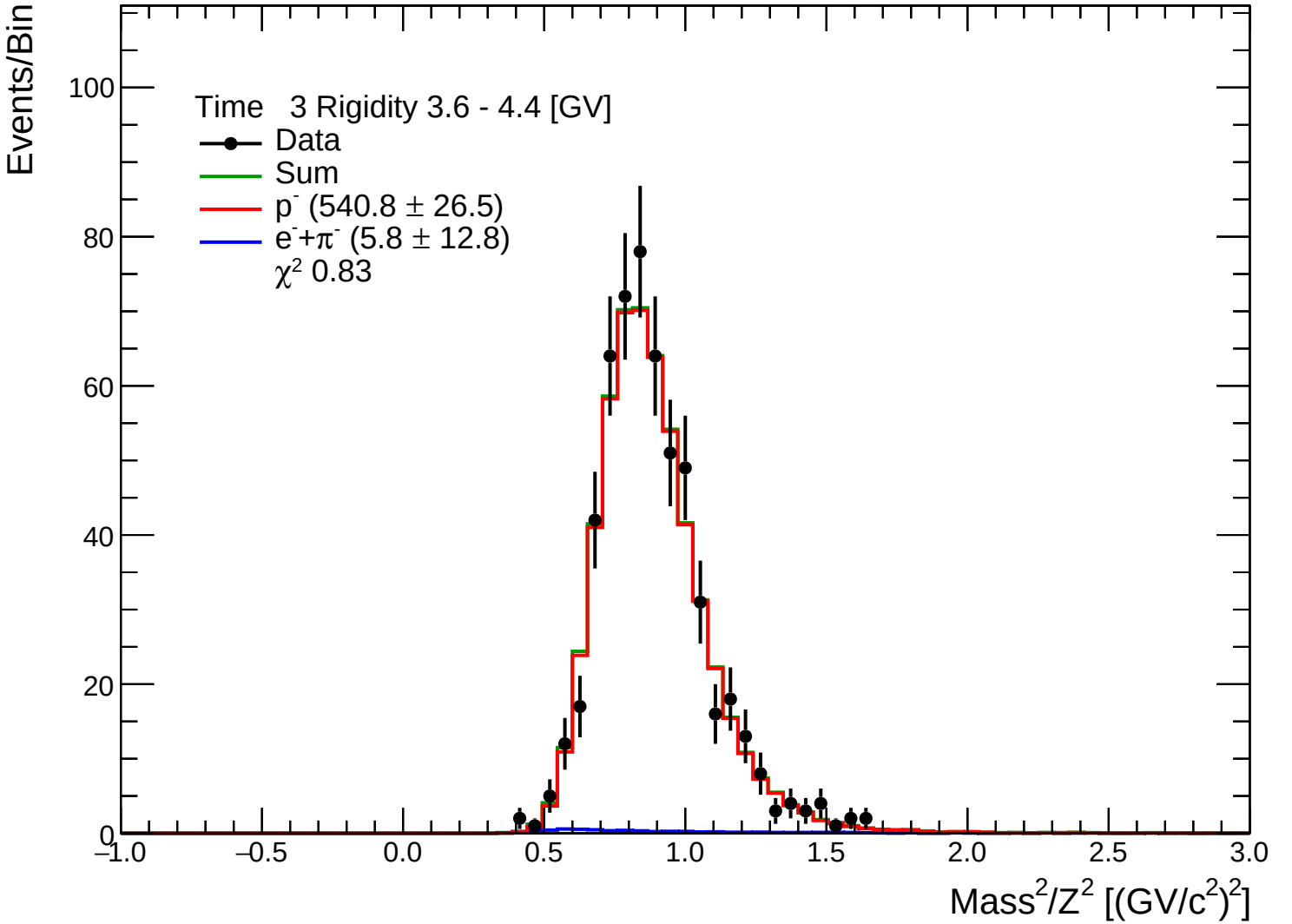

Events/Bin
400
350
300
250
200
150
100
50
0
1218
1220
1222
1224
1226
1228
Number [Temp 0]

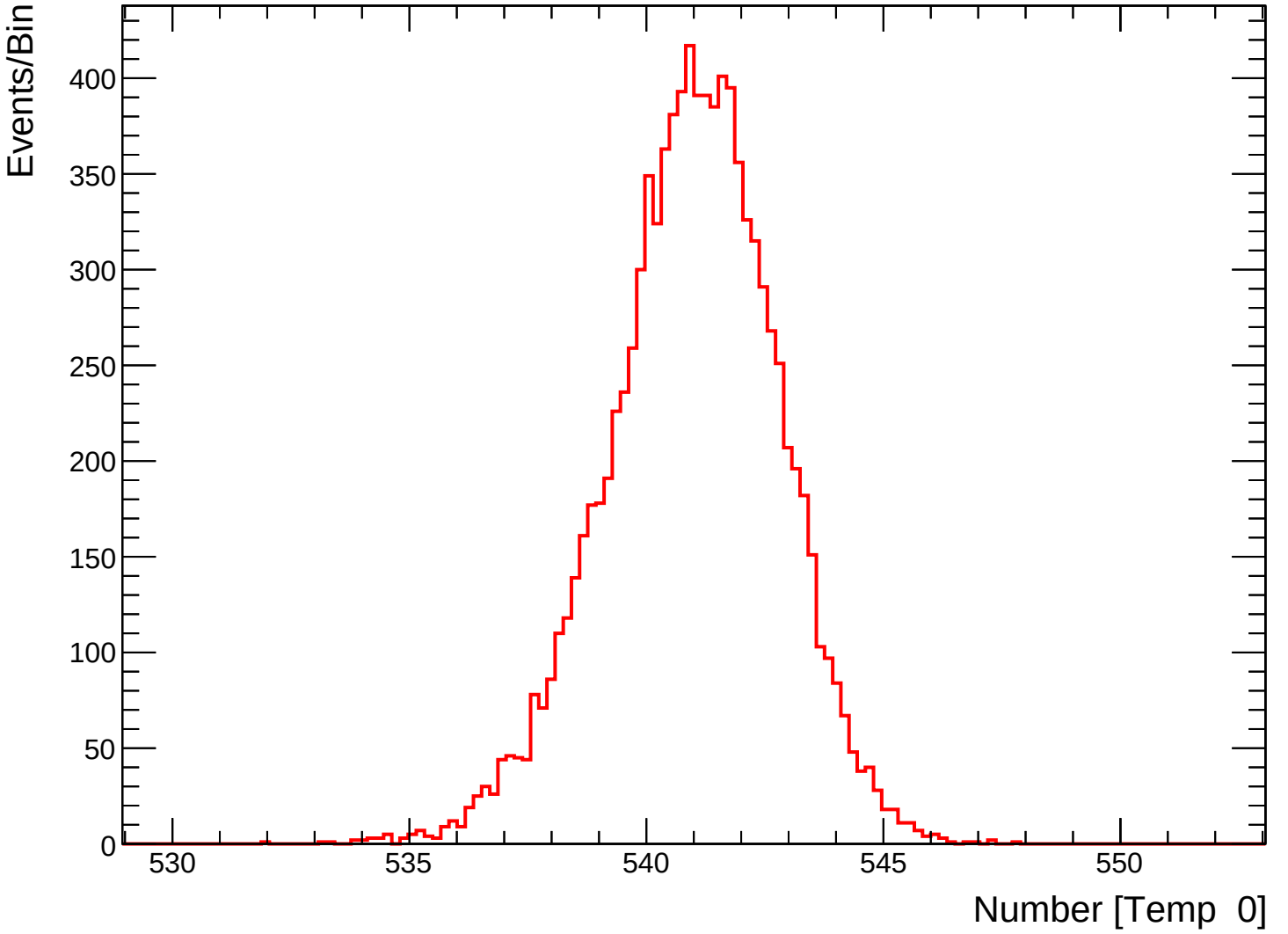

Time 2 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (1104.8 ± 35.0)
e⁻+π⁻ (829.5 ± 30.8)
χ² 1.06
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

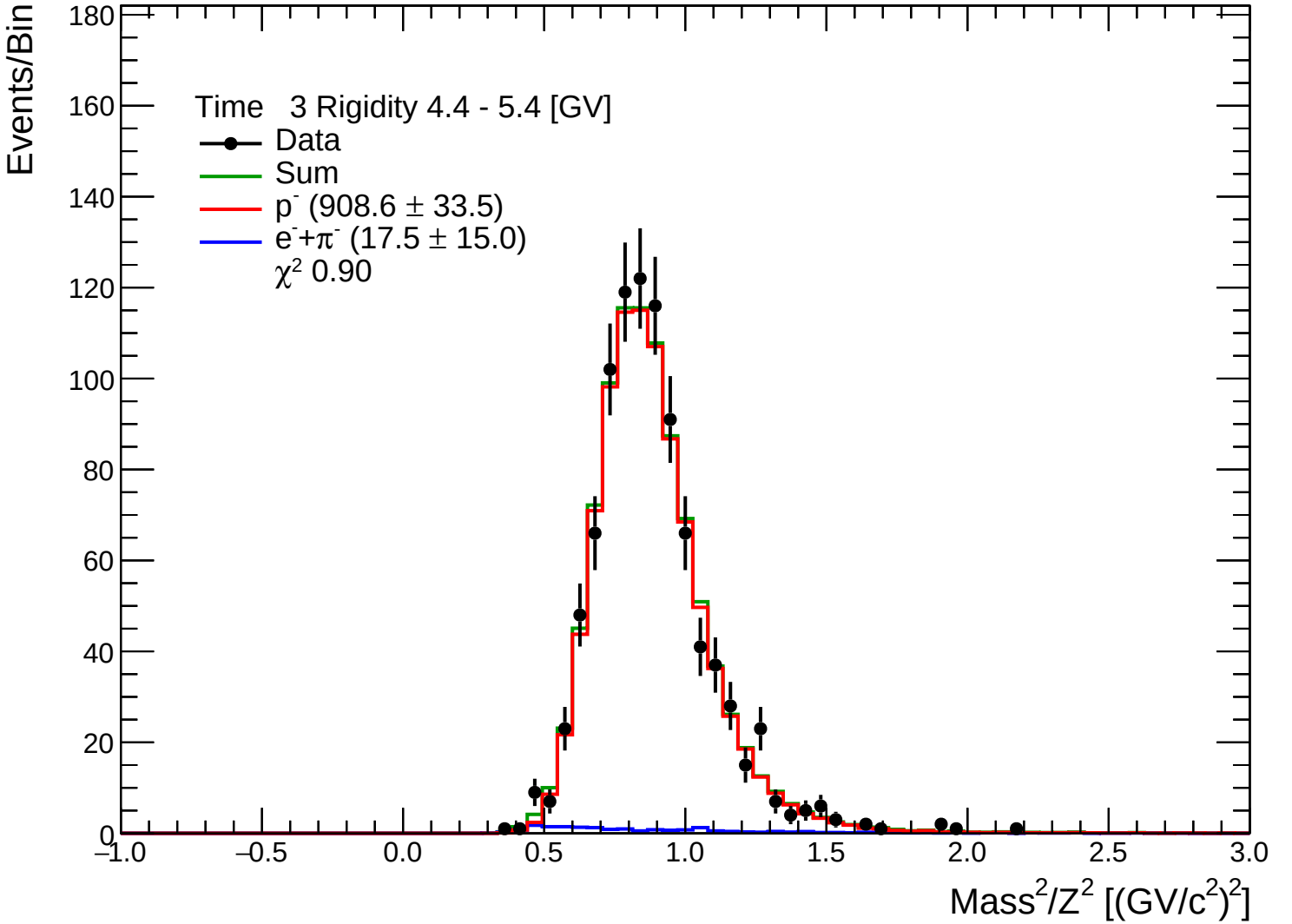

Events/Bin
400
350
300
250
200
150
100
50
0
1098
1100
1102
1104
1106
1108
1110
1112
Number [Temp 0]

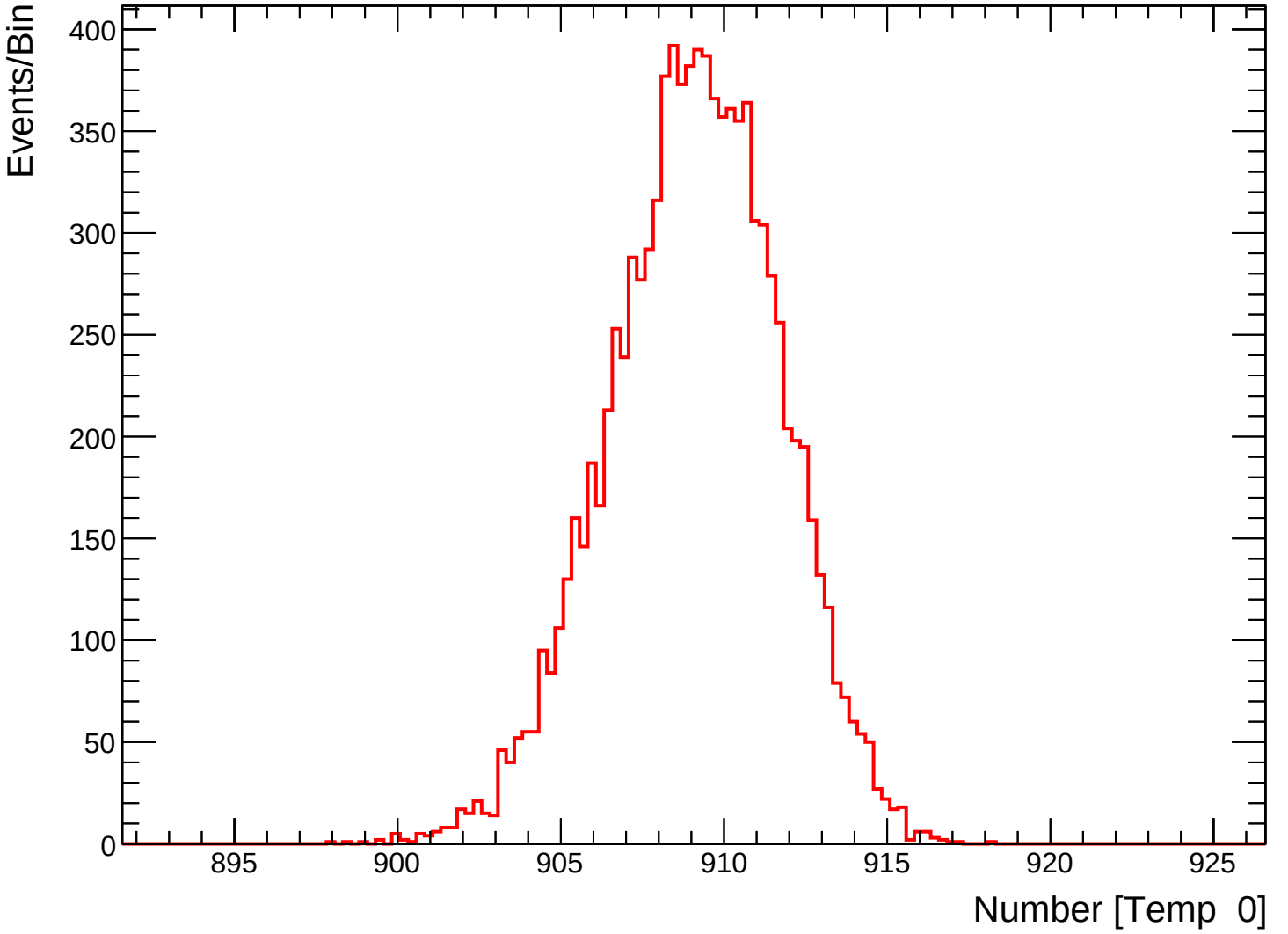

Time 2 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (1038.0 ± 35.4)
e⁻+π⁻ (664.5 ± 29.6)
χ² 0.86
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

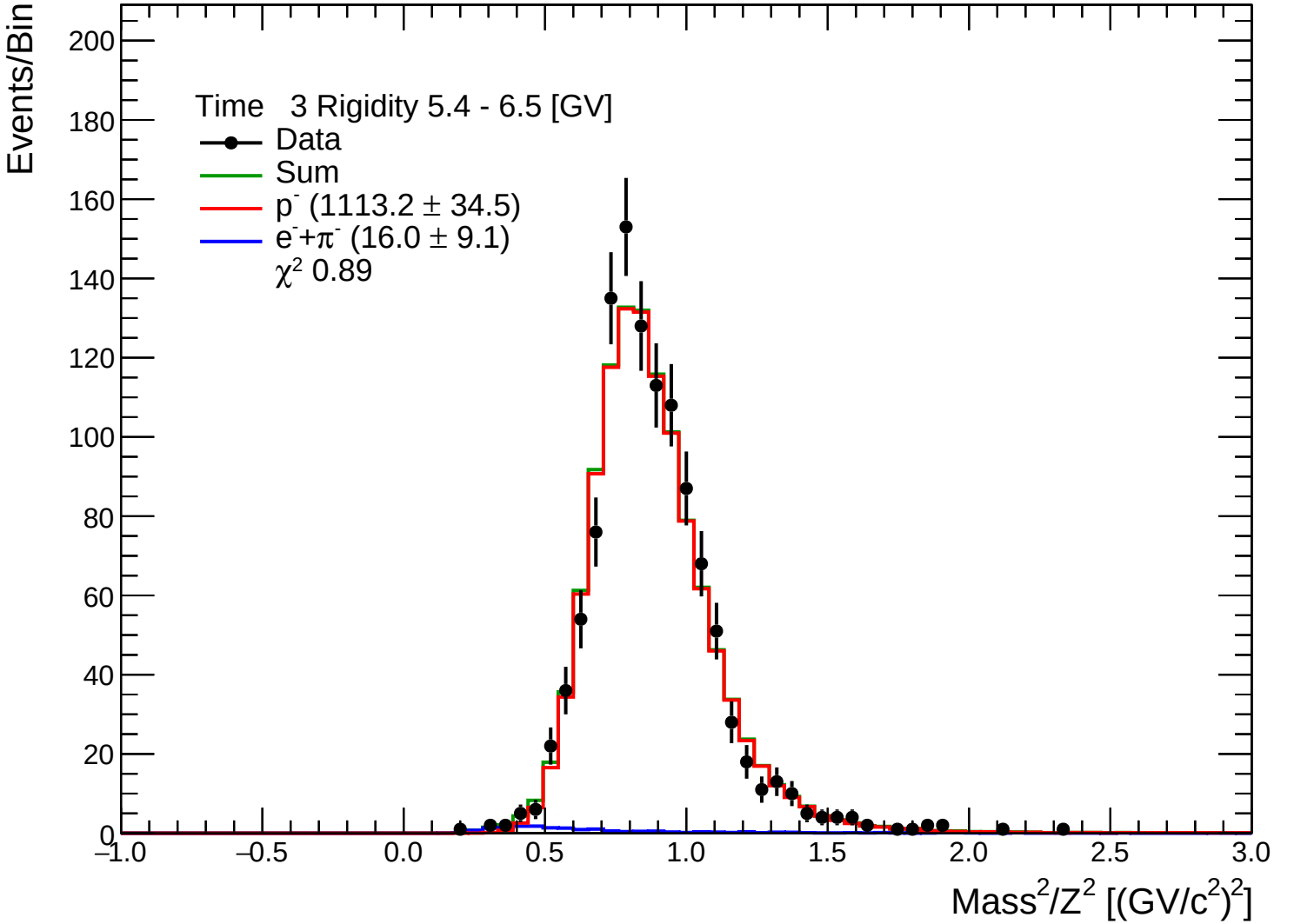

Events/Bin
400
350
300
250
200
150
100
50
0
1028
1030
1032
1034
1036
1038
1040
1042
1044
1046
1048
Number [Temp 0]

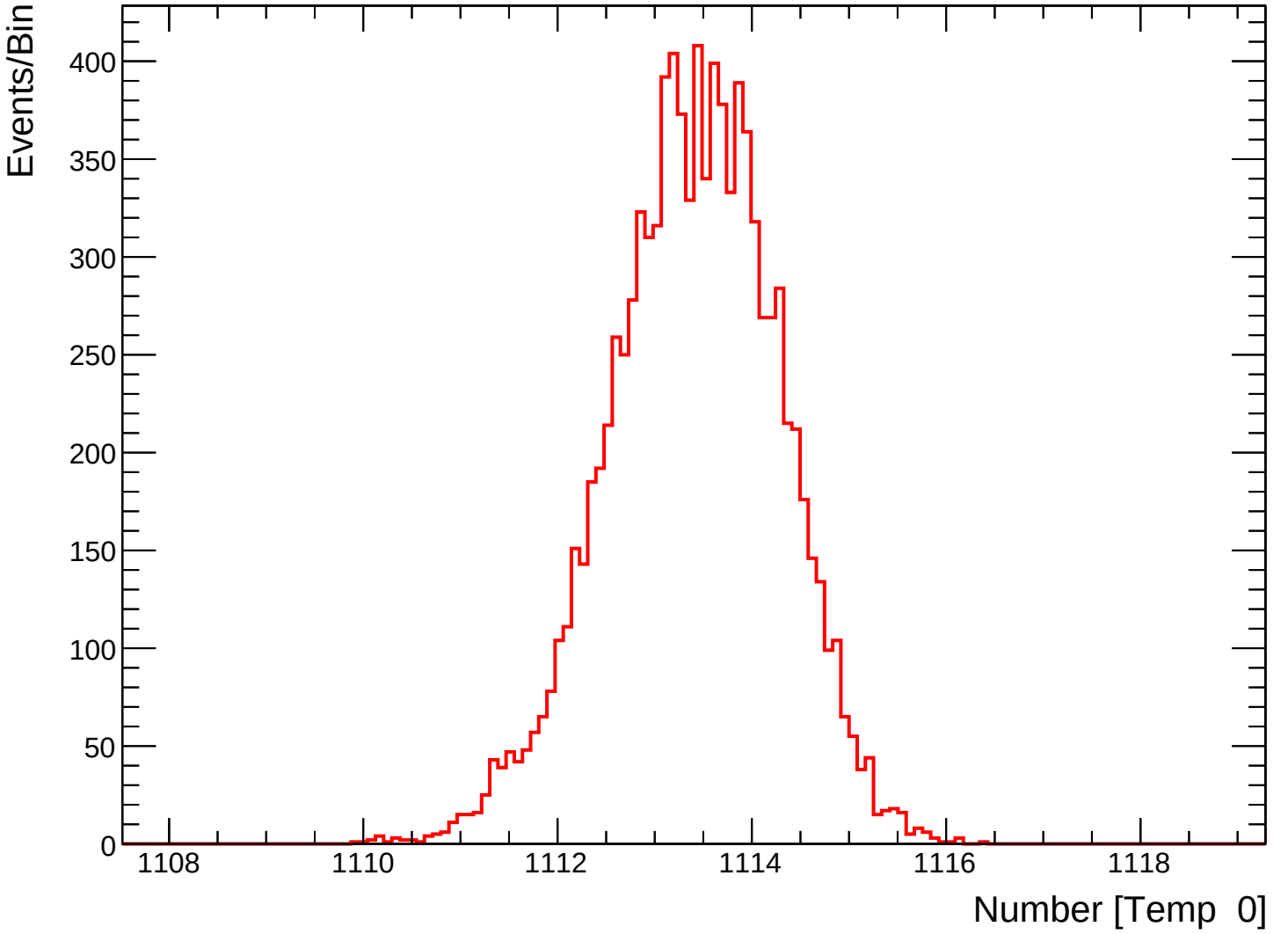

Events/Bin
Time 3 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (540.8 ± 26.5)
e⁻+π⁻ (5.8 ± 12.8)
χ² 0.83
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Mass²/Z² [(GV/c²)²]

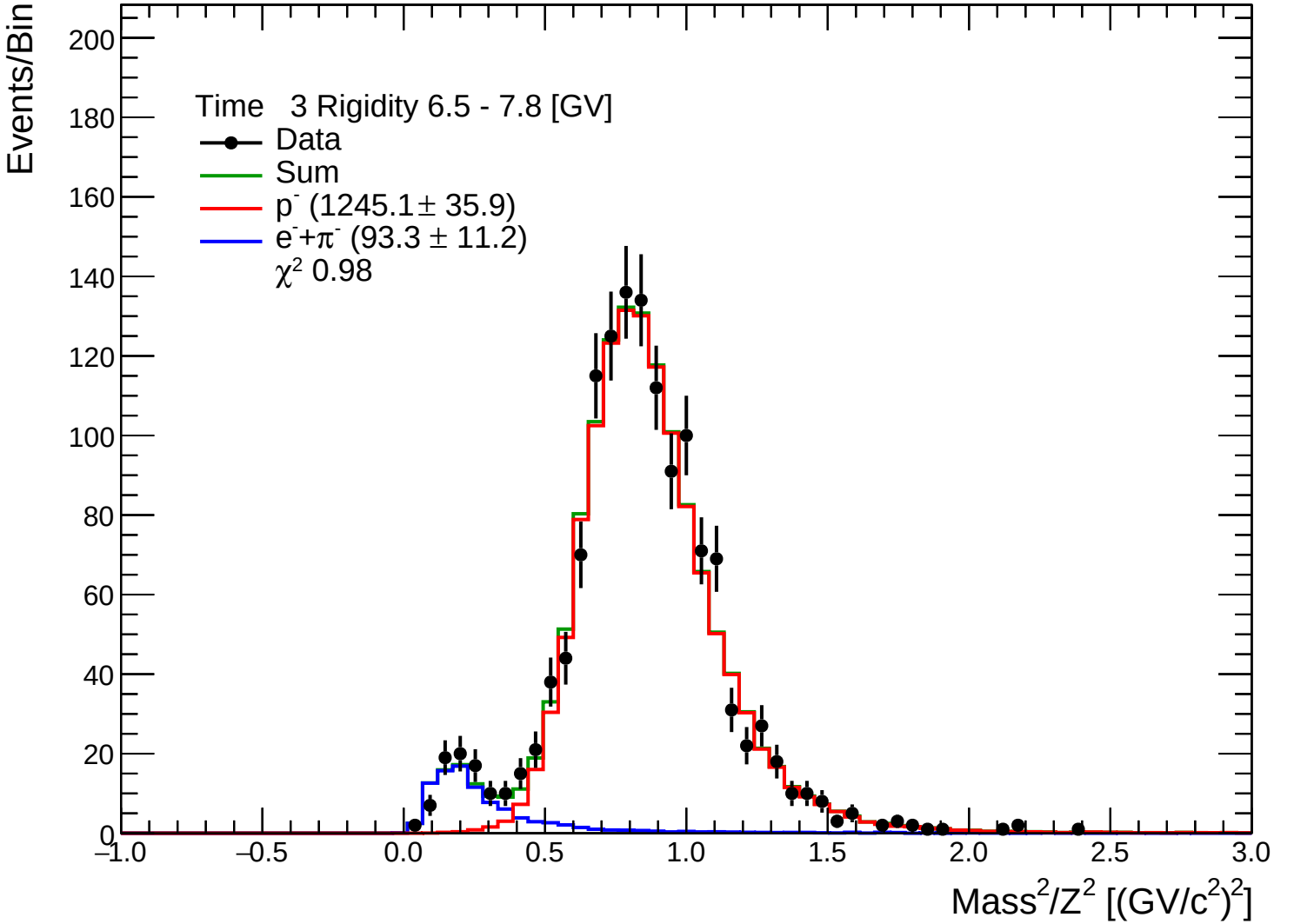

Events/Bin
400
350
300
250
200
150
100
50
0
530
535
540
545
550
Number [Temp 0]

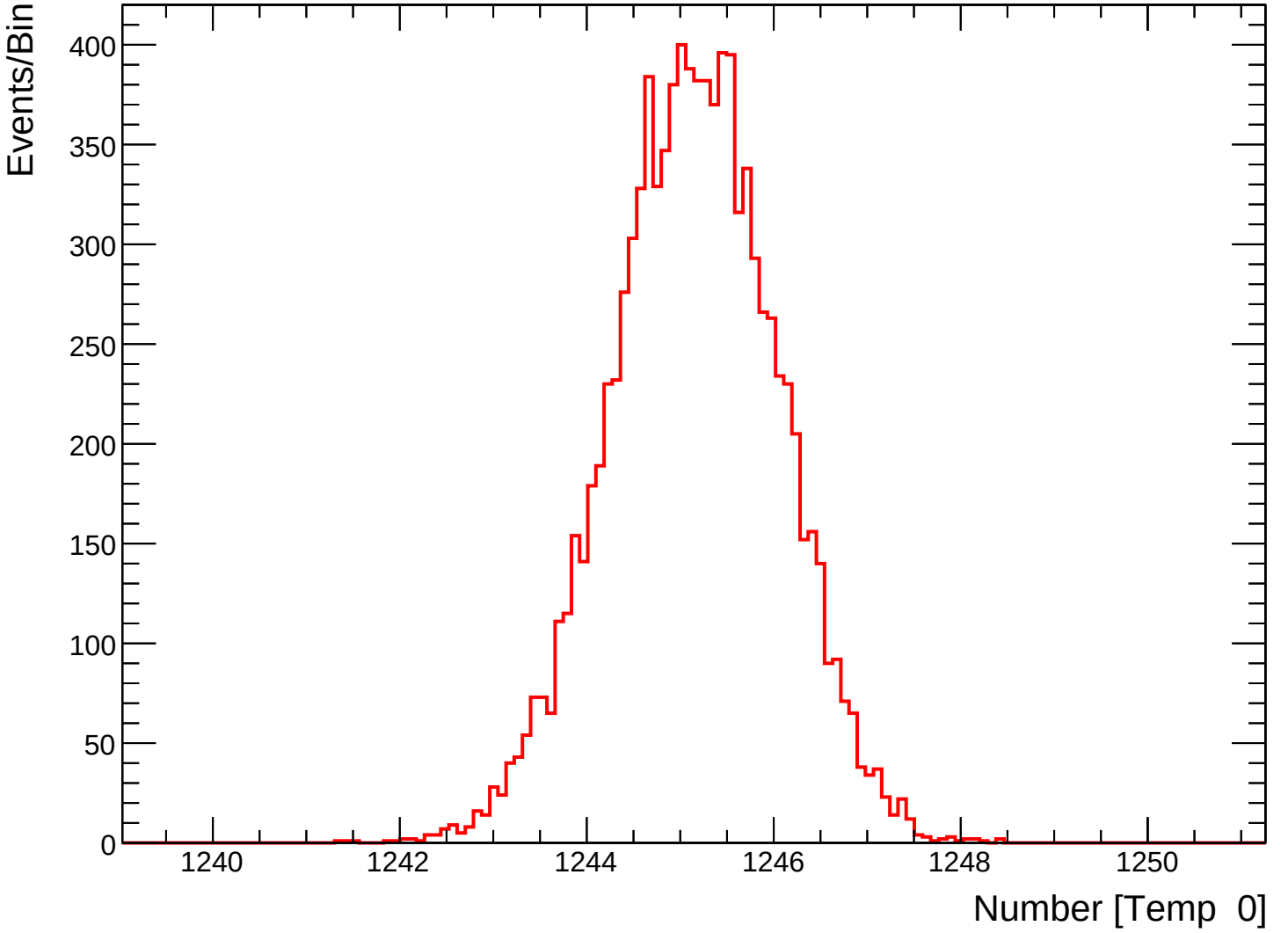

Time 3 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (908.6 ± 33.5)
e⁻+π⁻ (17.5 ± 15.0)
χ² 0.90
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

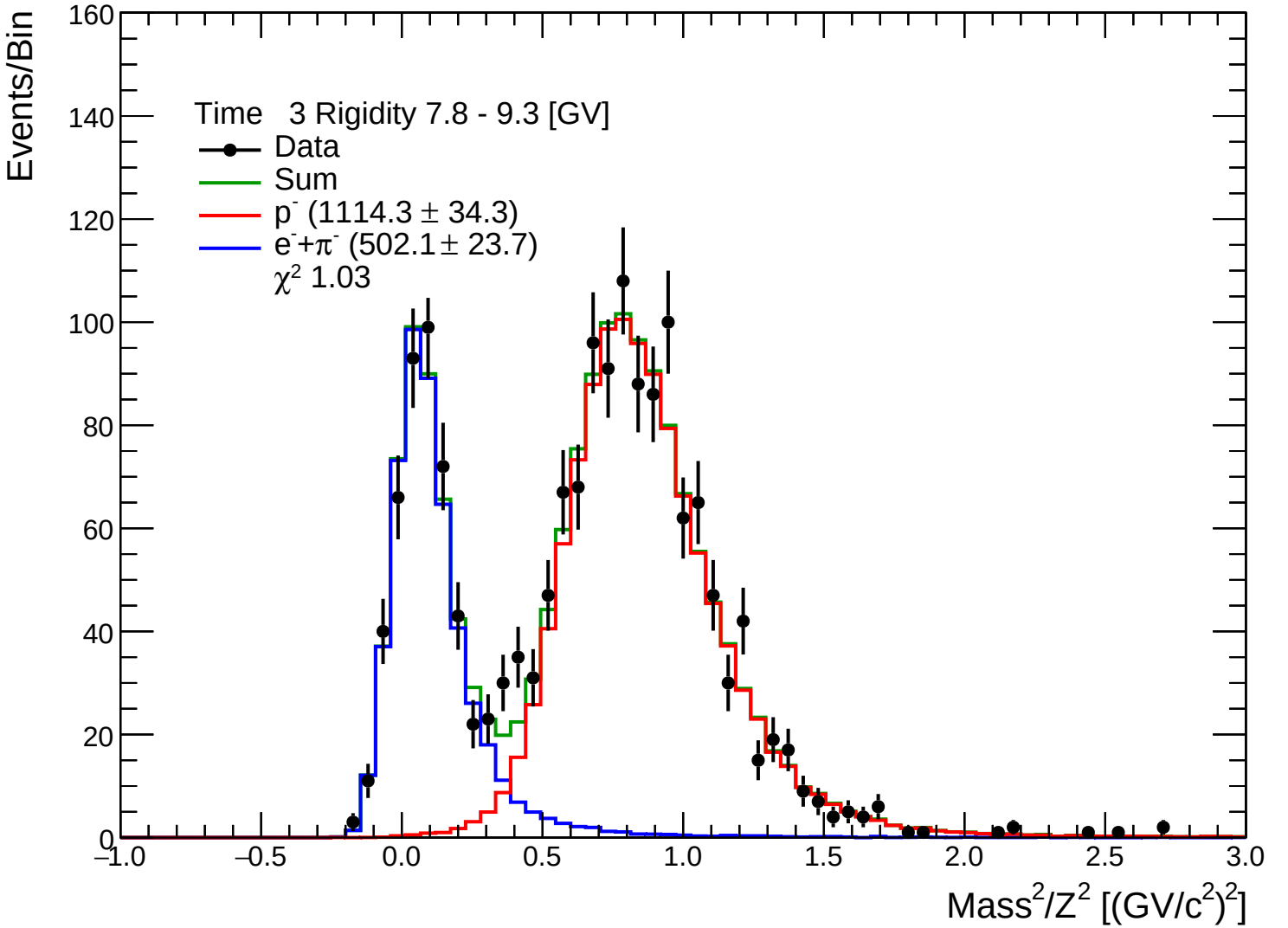

Events/Bin
400
350
300
250
200
150
100
50
0
895
900
905
910
915
920
925
Number [Temp 0]

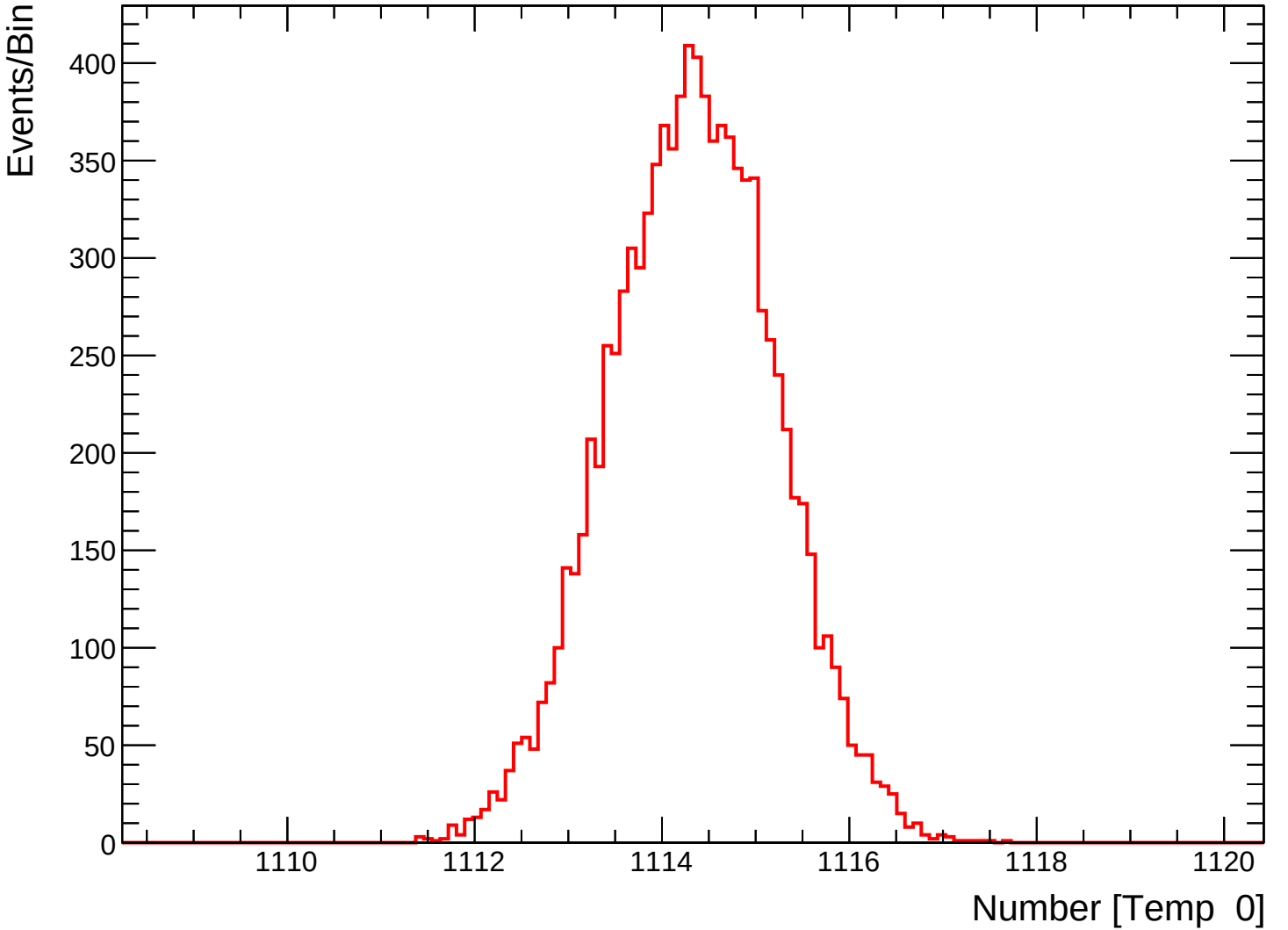

Time 3 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (1113.2 ± 34.5)
e⁻+π⁻ (16.0 ± 9.1)
χ² 0.89
Events/Bin
Mass²/Z² [(GV/c²)²]
200
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

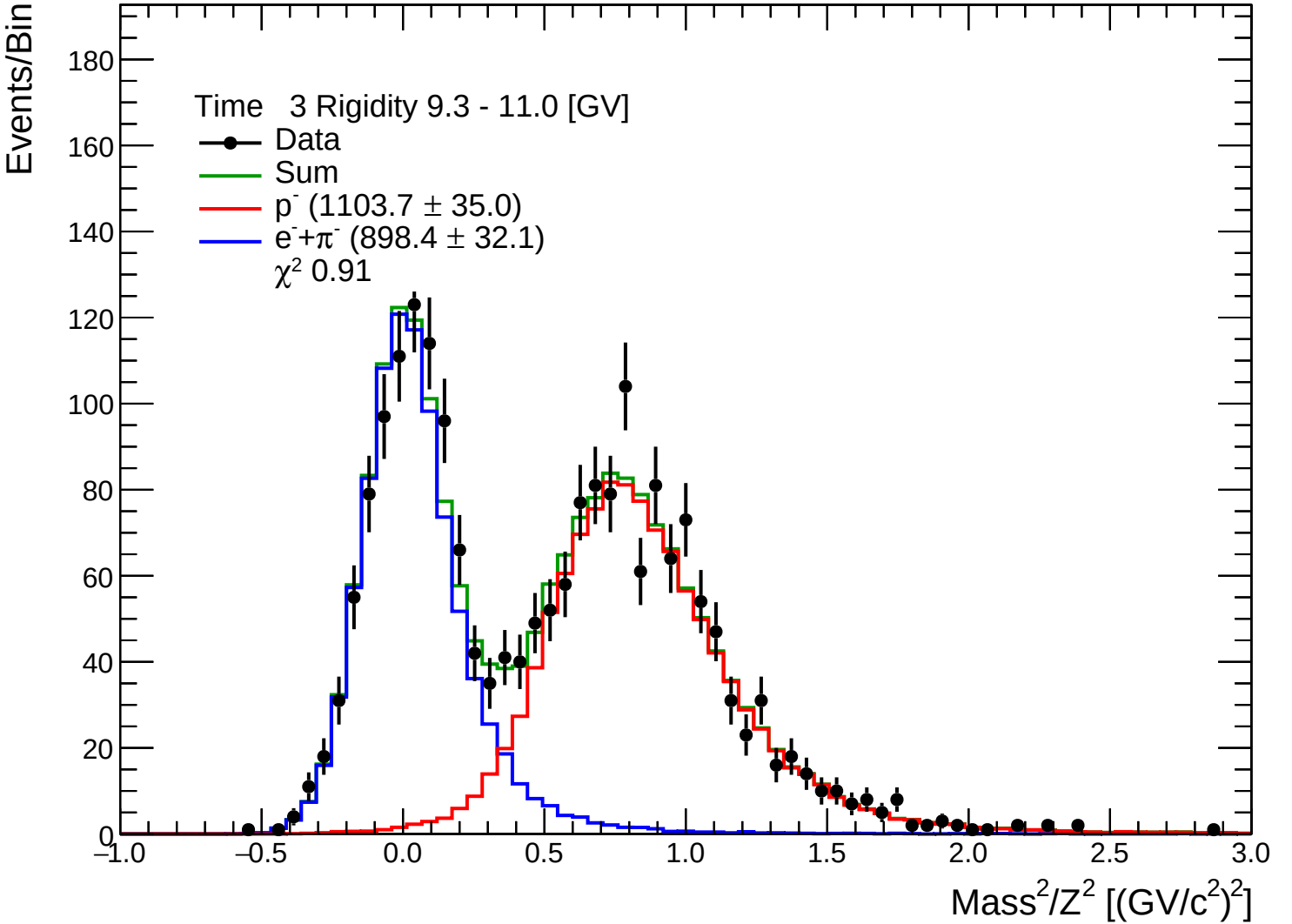

Events/Bin
400
350
300
250
200
150
100
50
0
1108
1110
1112
1114
1116
1118
Number [Temp 0]

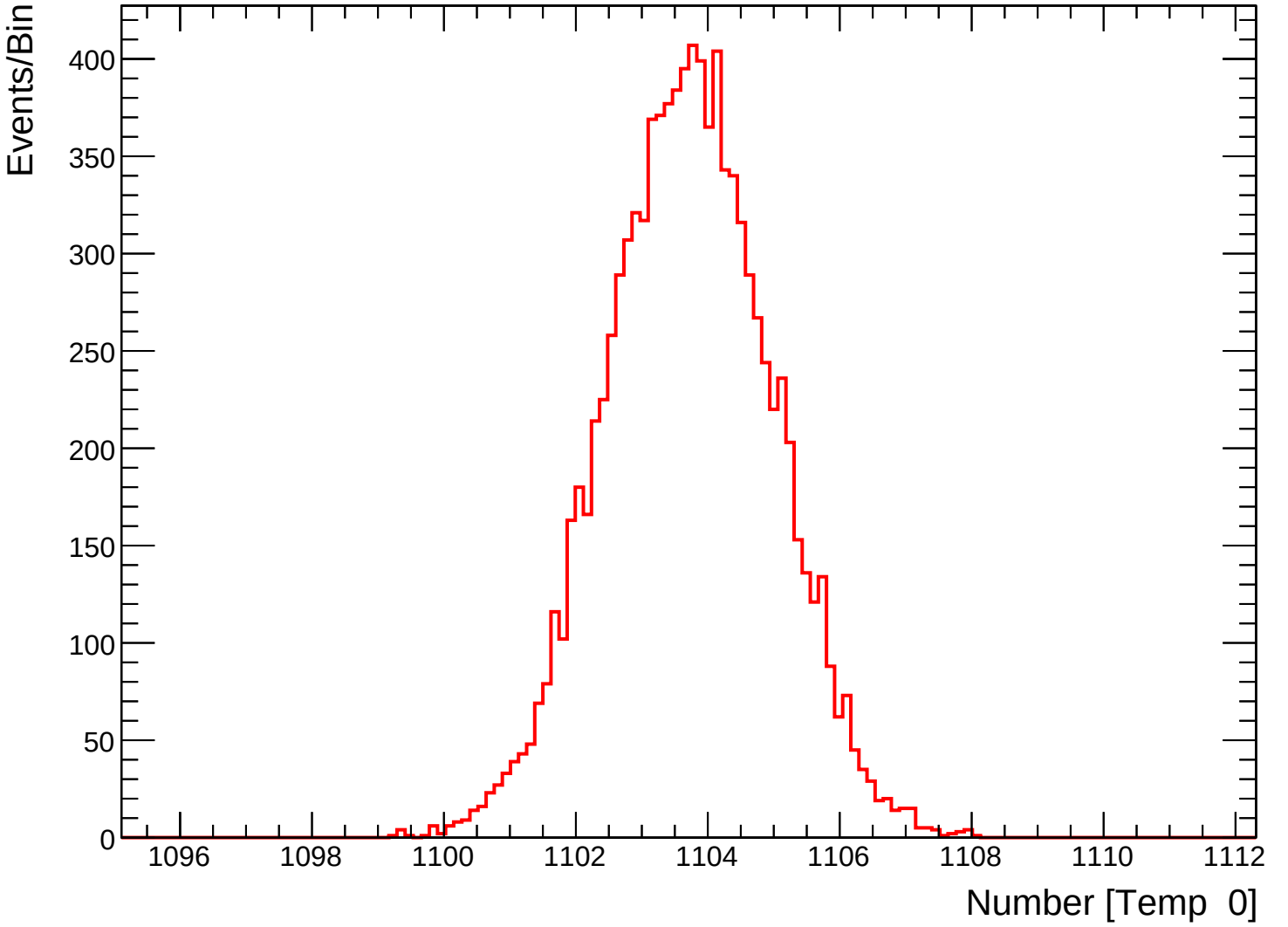

Time 3 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1245.1± 35.9)
e⁻+π⁻ (93.3 ± 11.2)
χ² 0.98
Events/Bin
Mass²/Z² [(GV/c²)²]
200
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

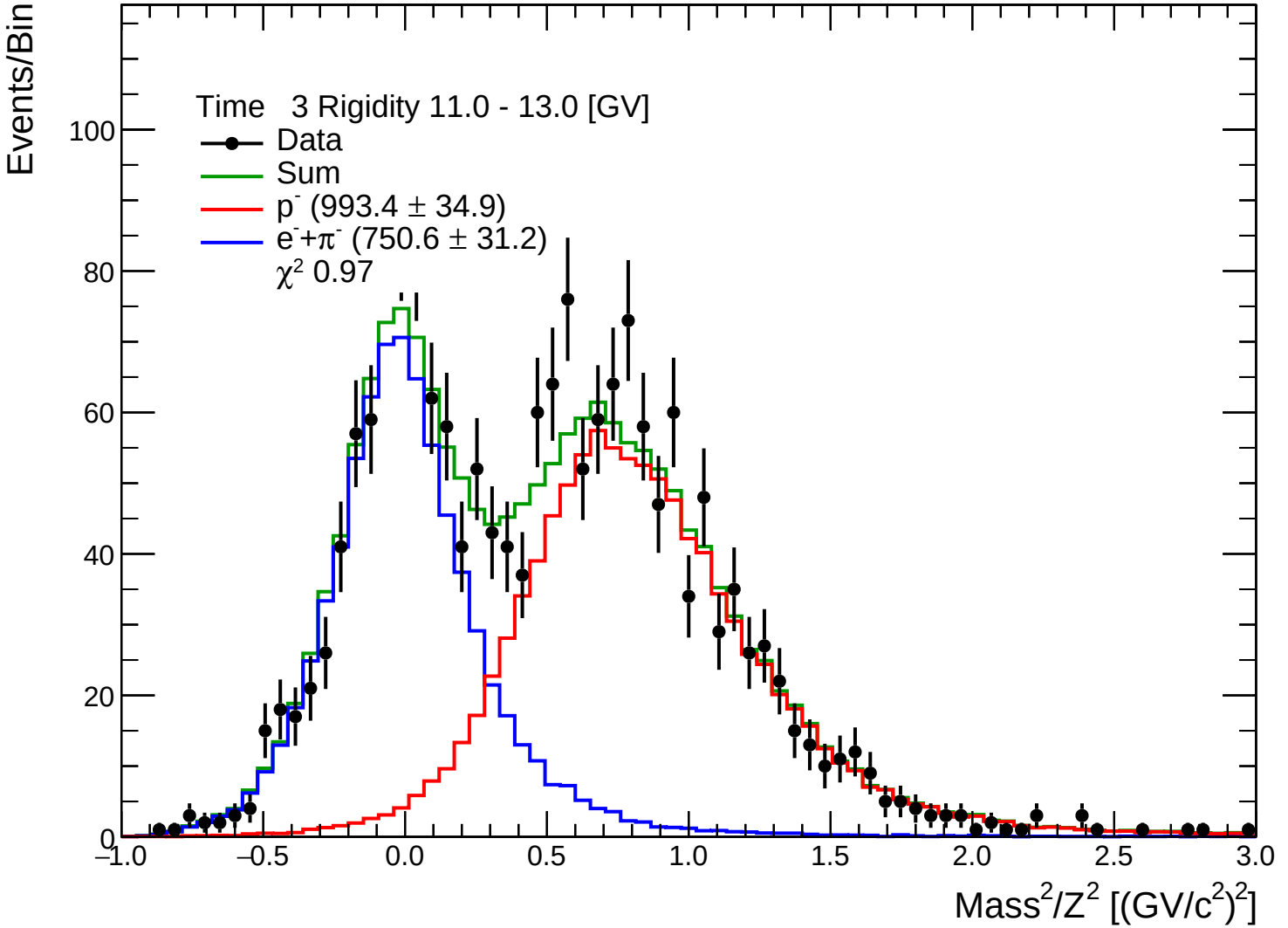

Events/Bin
400
350
300
250
200
150
100
50
0
1240
1242
1244
1246
1248
1250
Number [Temp 0]

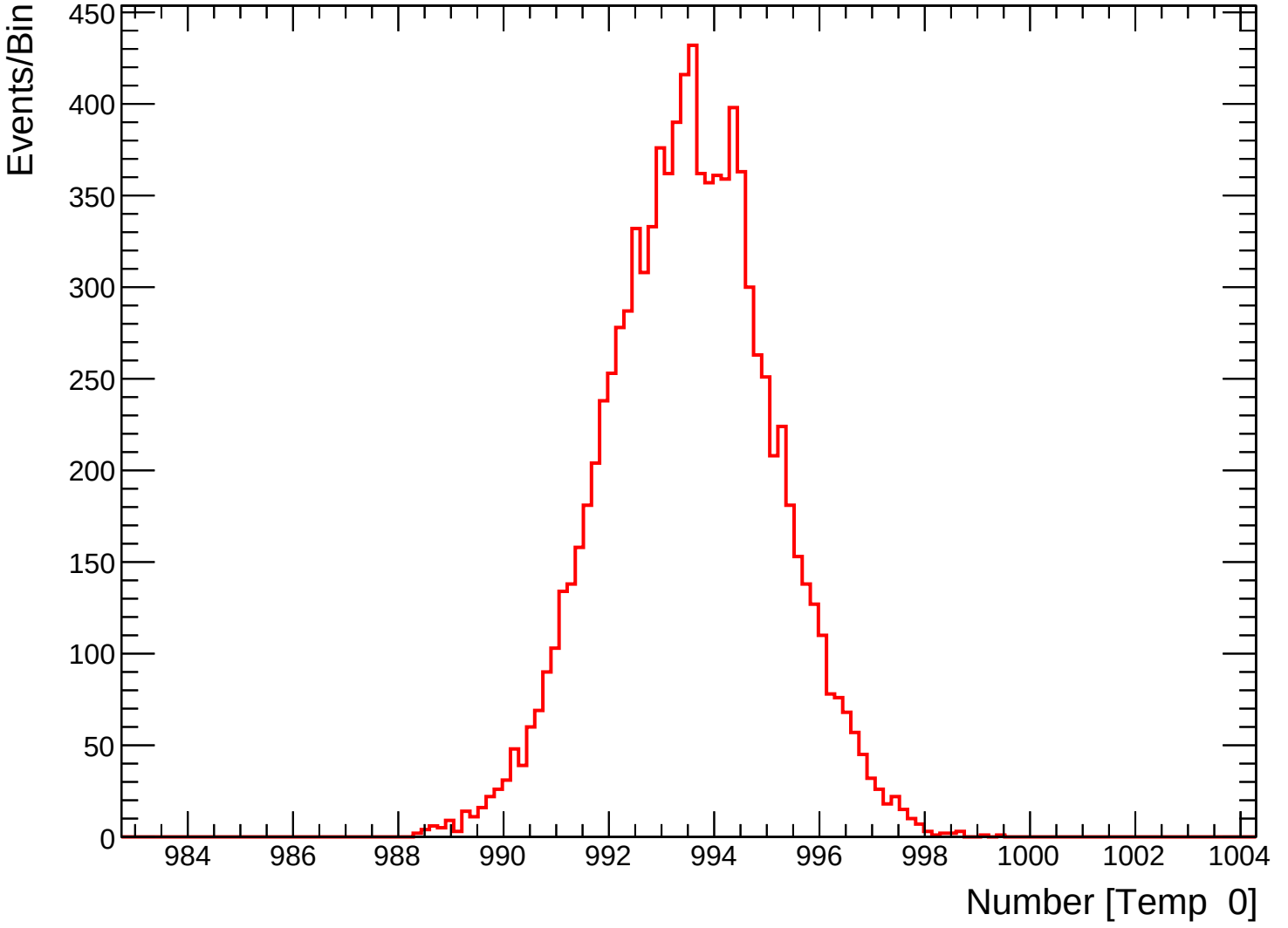

Time 3 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1114.3 ± 34.3)
e⁻+π⁻ (502.1 ± 23.7)
χ² 1.03
Events/Bin
Mass²/Z² [(GV/c²)²]
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

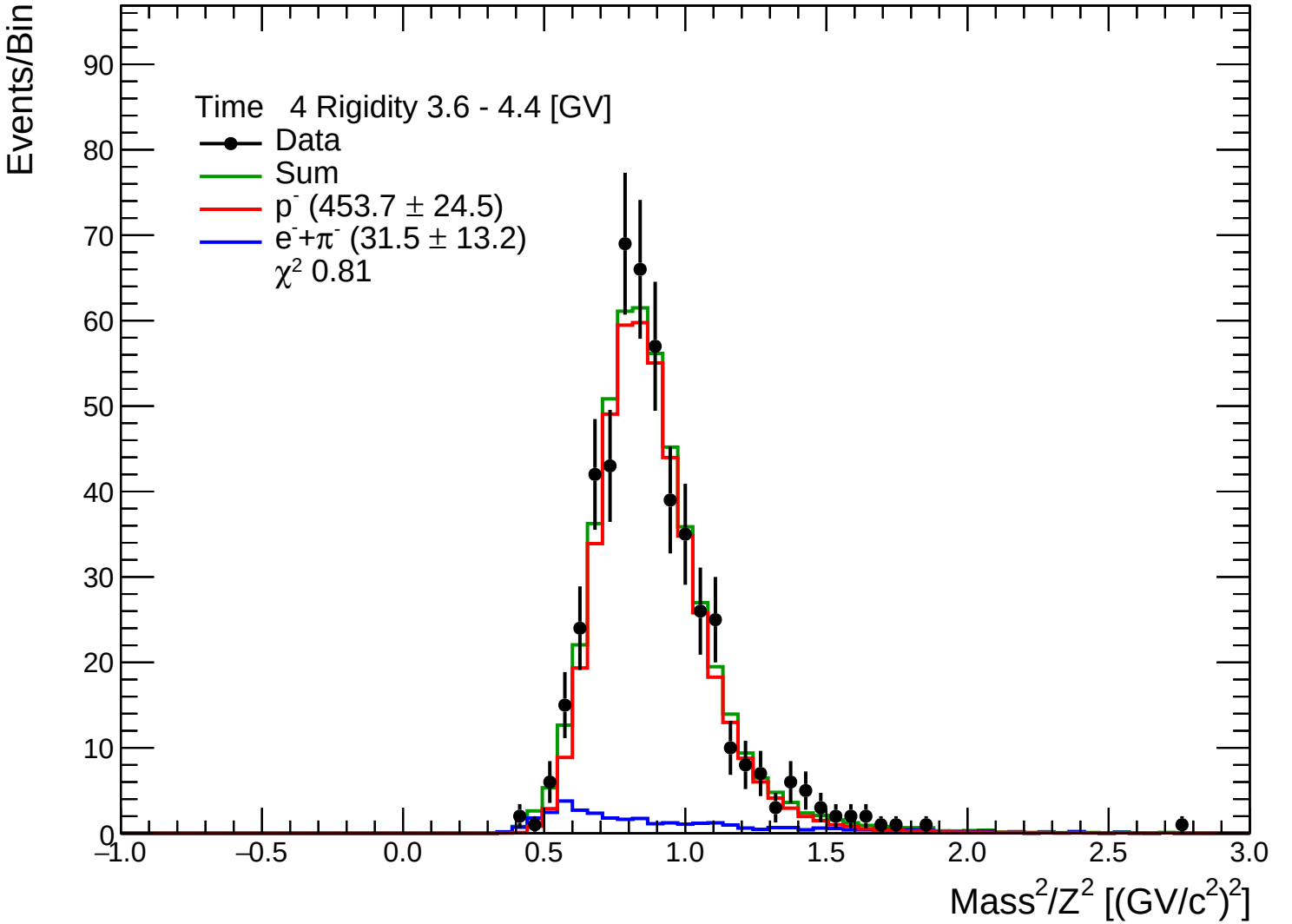

Events/Bin
400
350
300
250
200
150
100
50
0
1110
1112
1114
1116
1118
1120
Number [Temp 0]

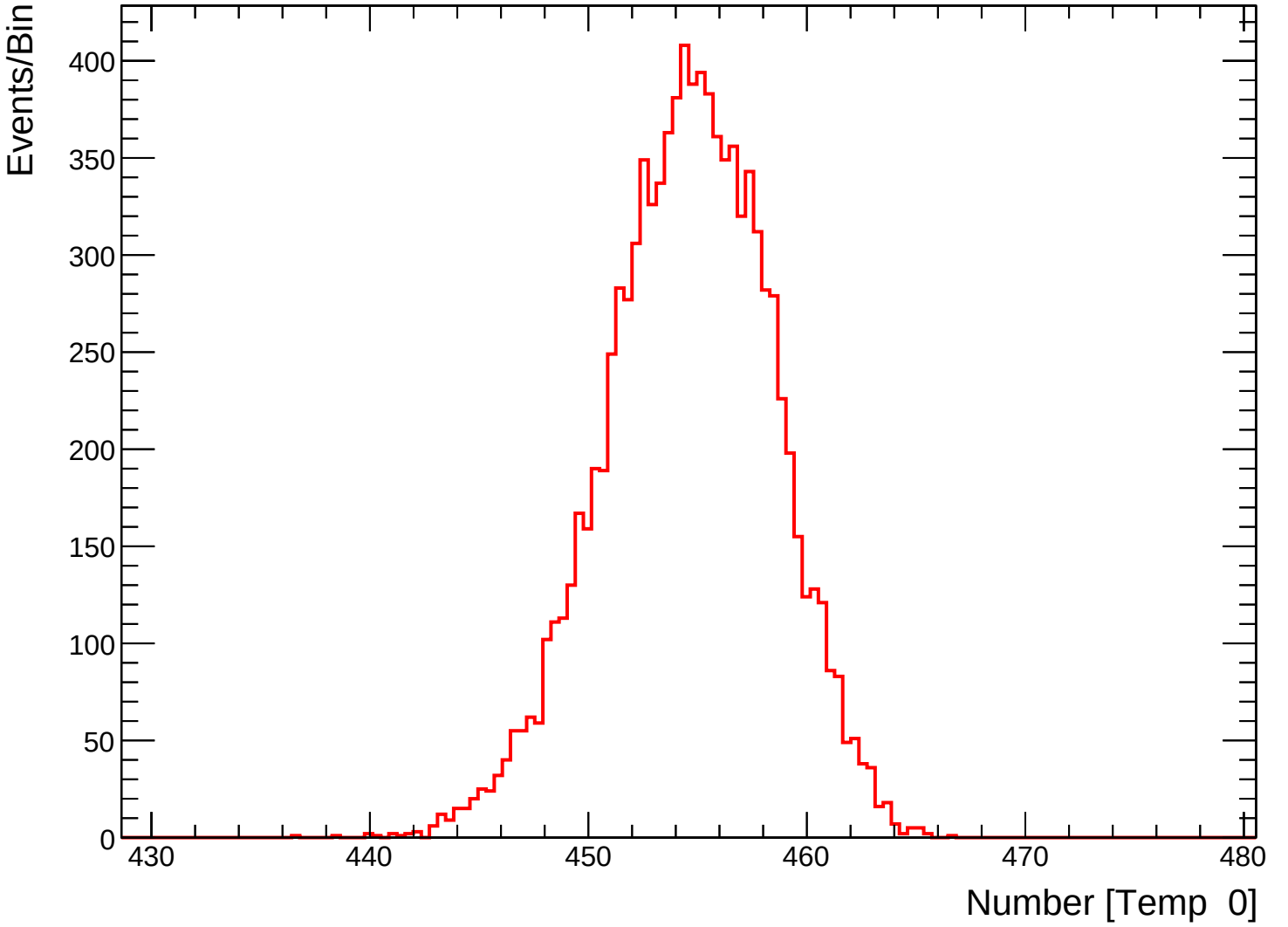

Time 3 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (1103.7 ± 35.0)
e⁻+π⁻ (898.4 ± 32.1)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

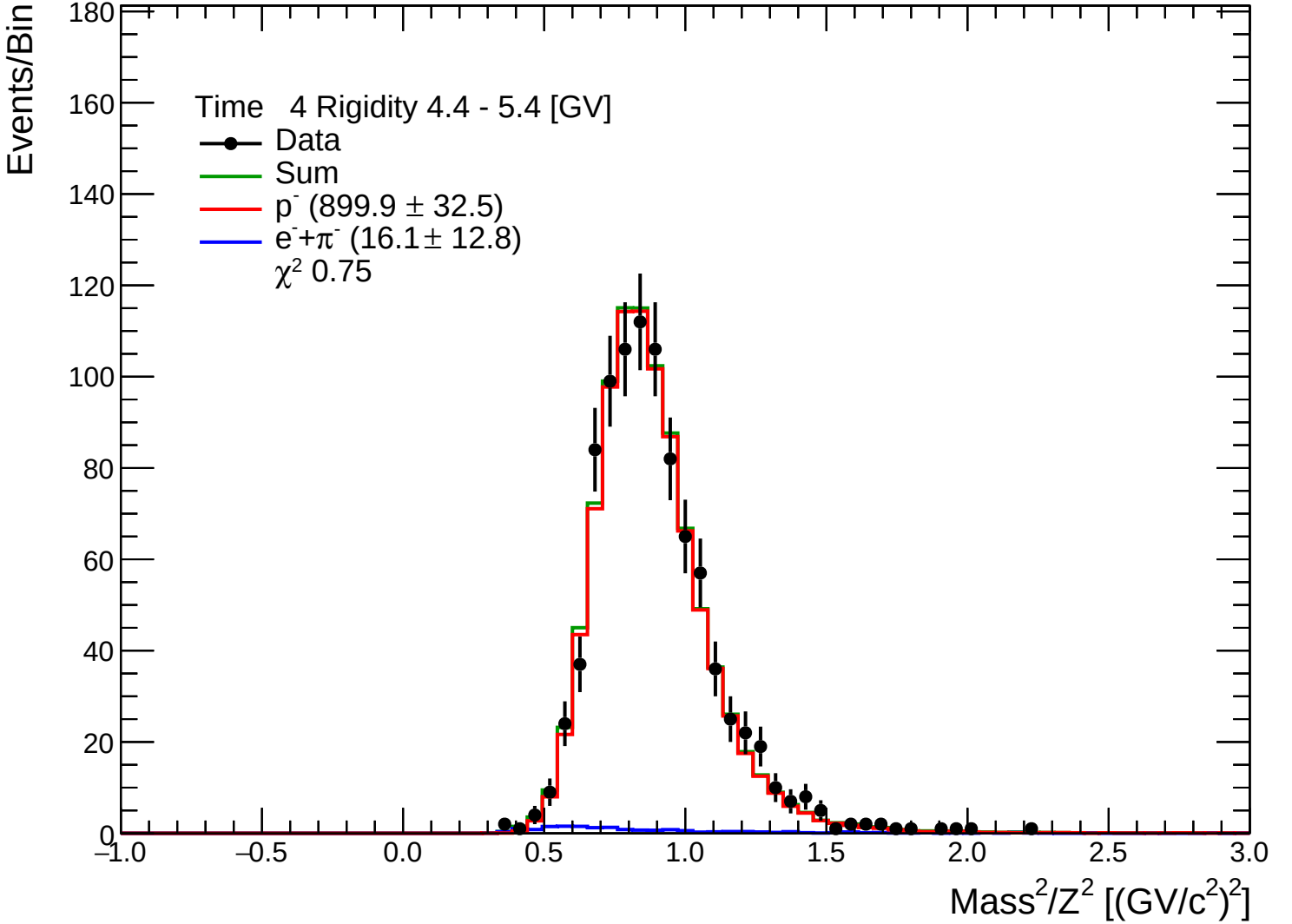

Events/Bin
400
350
300
250
200
150
100
50
0
1096
1098
1100
1102
1104
1106
1108
1110
1112
Number [Temp 0]

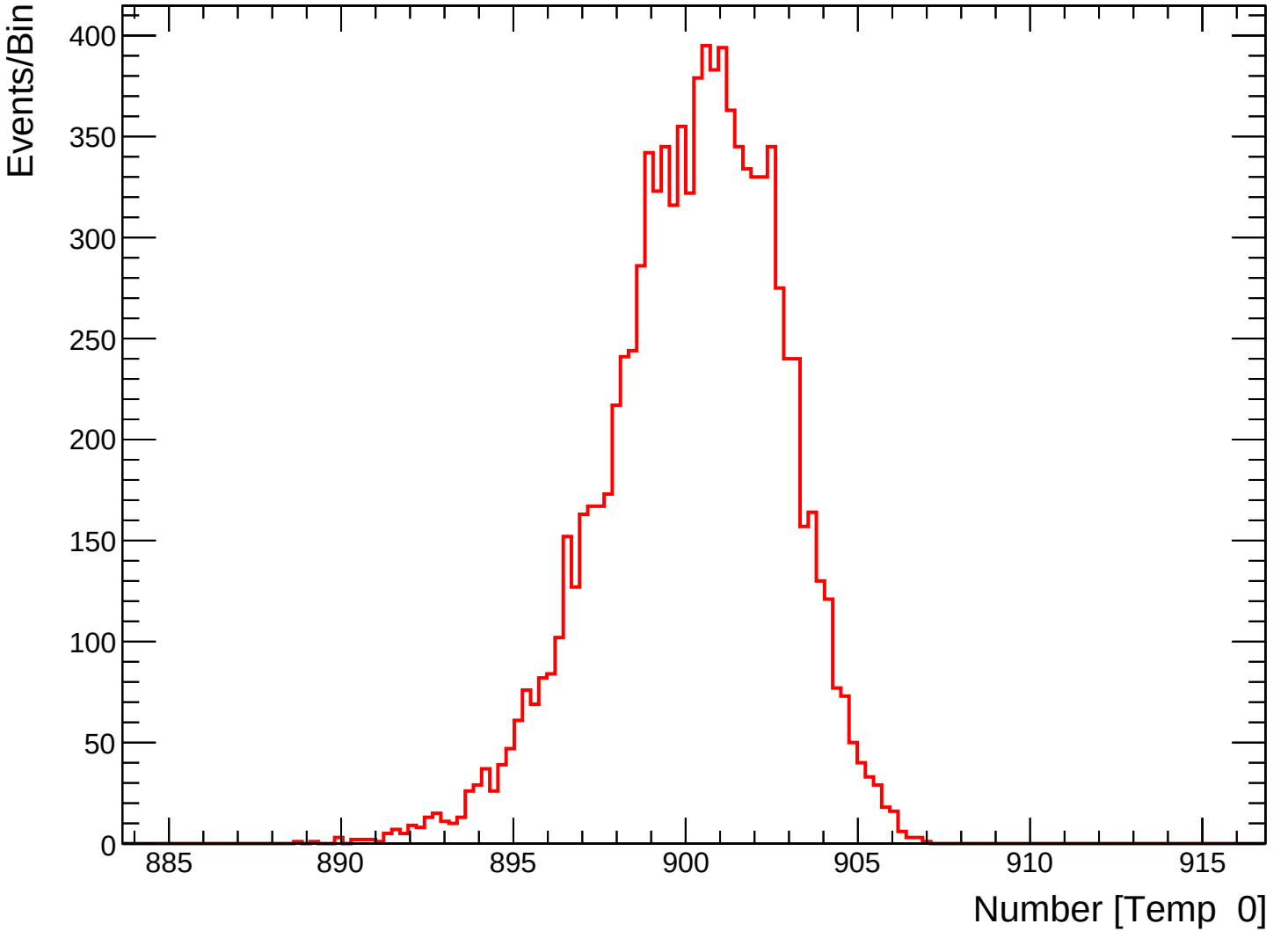

Time 3 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (993.4 ± 34.9)
e⁻+π⁻ (750.6 ± 31.2)
χ² 0.97
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

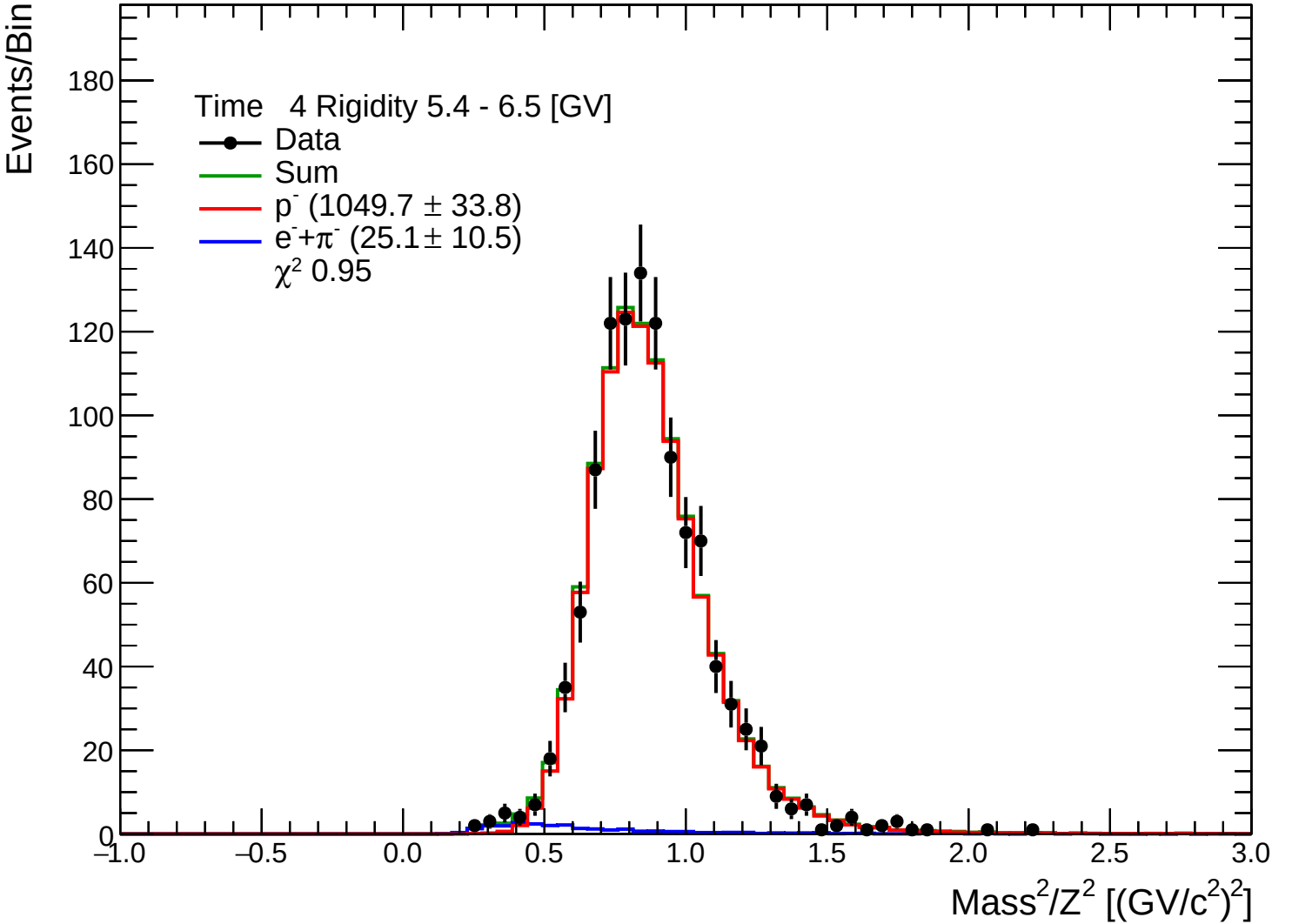

Events/Bin
450
400
350
300
250
200
150
100
50
0
984
986
988
990
992
994
996
998
1000
1002
1004
Number [Temp 0]

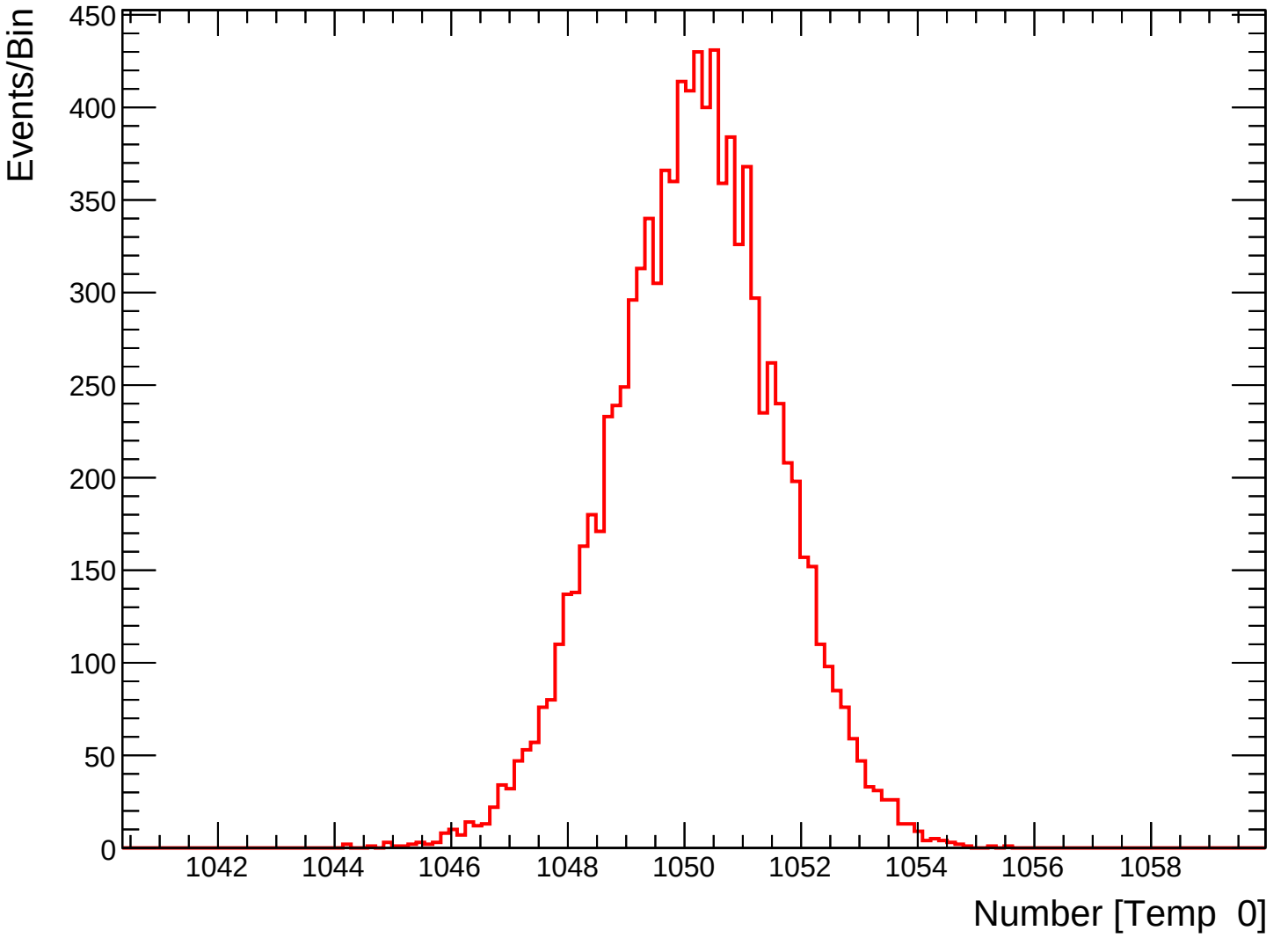

Events/Bin
Time 4 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (453.7 ± 24.5)
e⁻+π⁻ (31.5 ± 13.2)
χ² 0.81
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Mass²/Z² [(GV/c²)²]

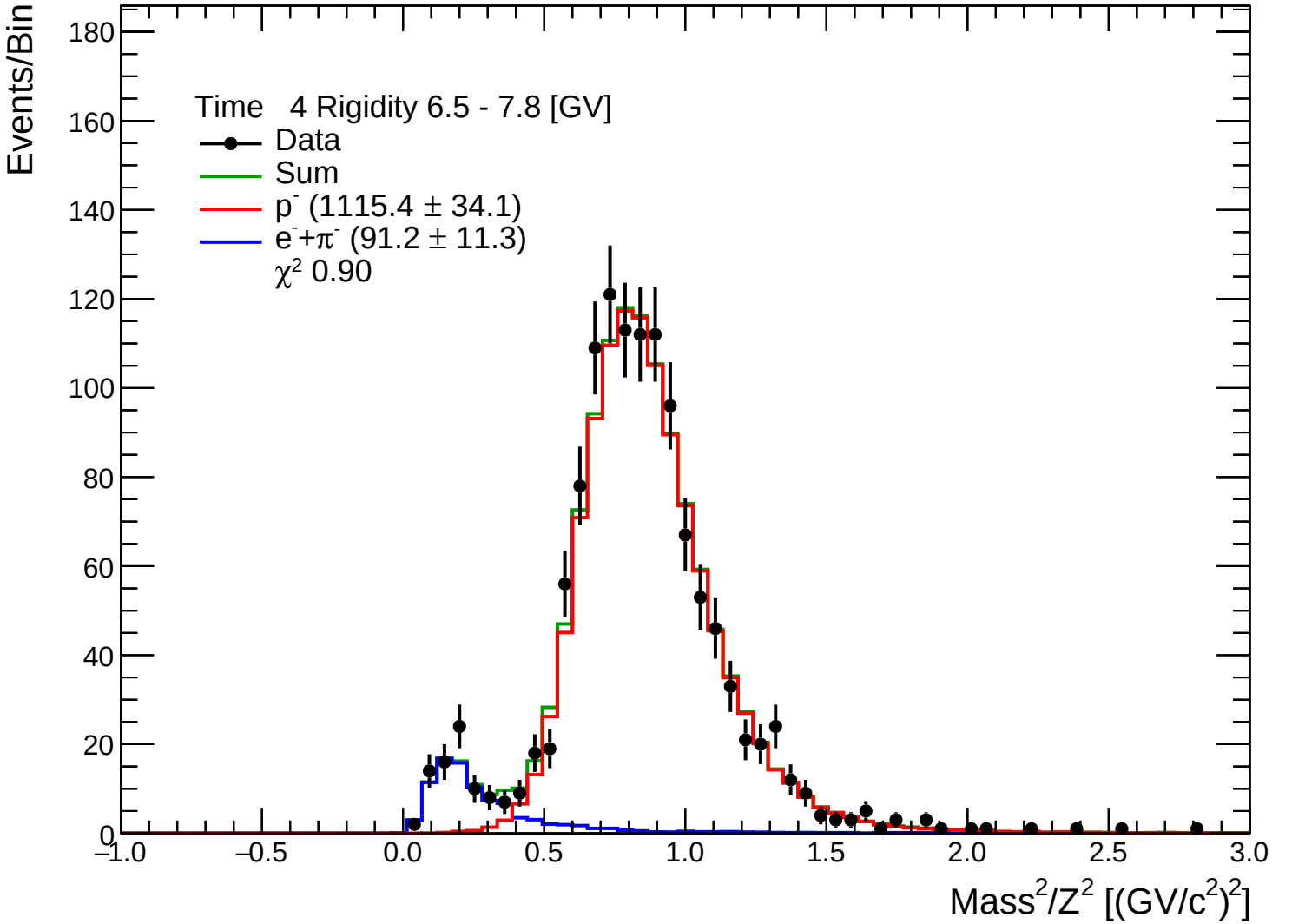

Events/Bin
400
350
300
250
200
150
100
50
0
430
440
450
460
470
480
Number [Temp 0]

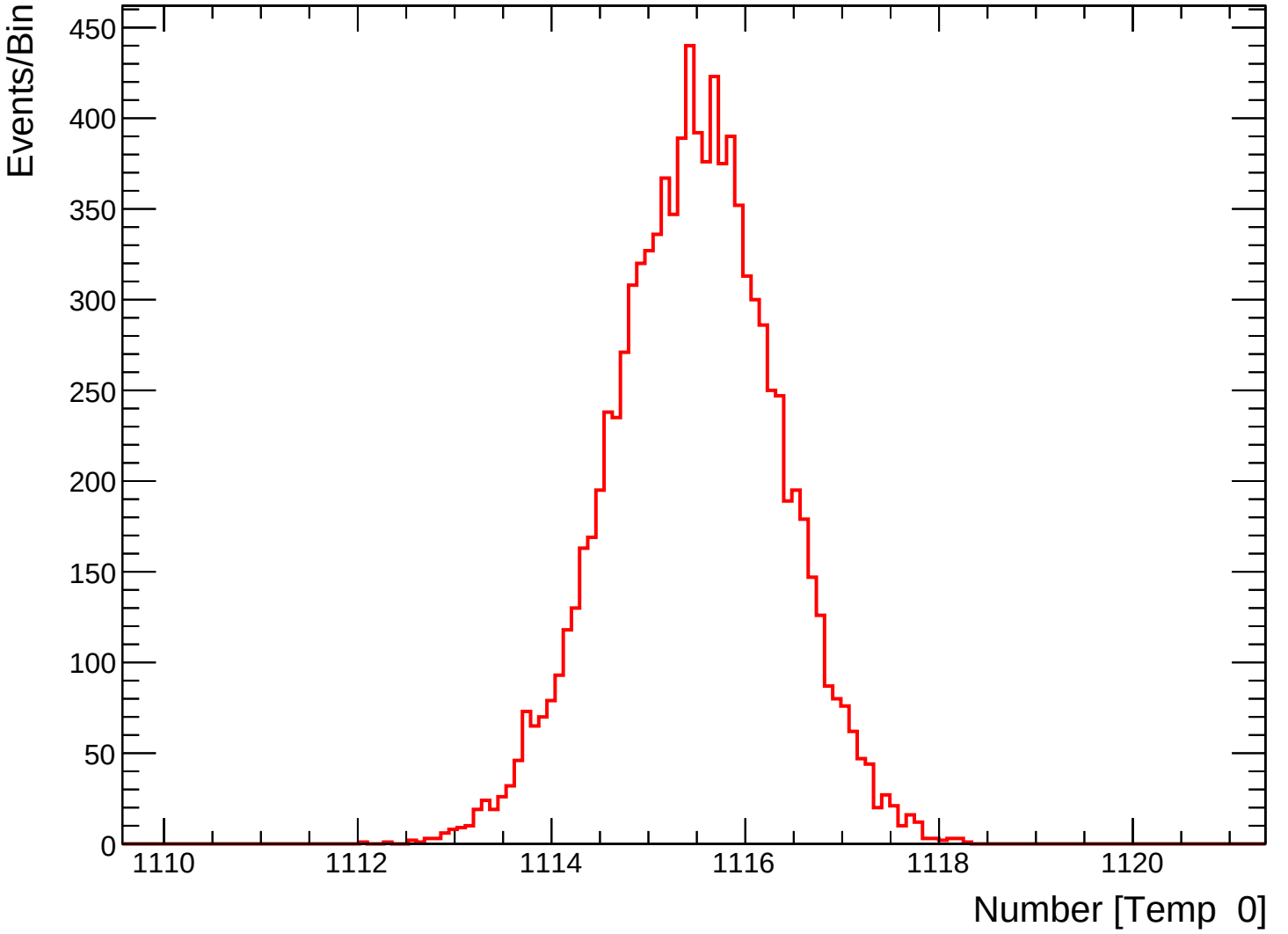

Time 4 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (899.9 ± 32.5)
e⁻+π⁻ (16.1± 12.8)
χ² 0.75
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

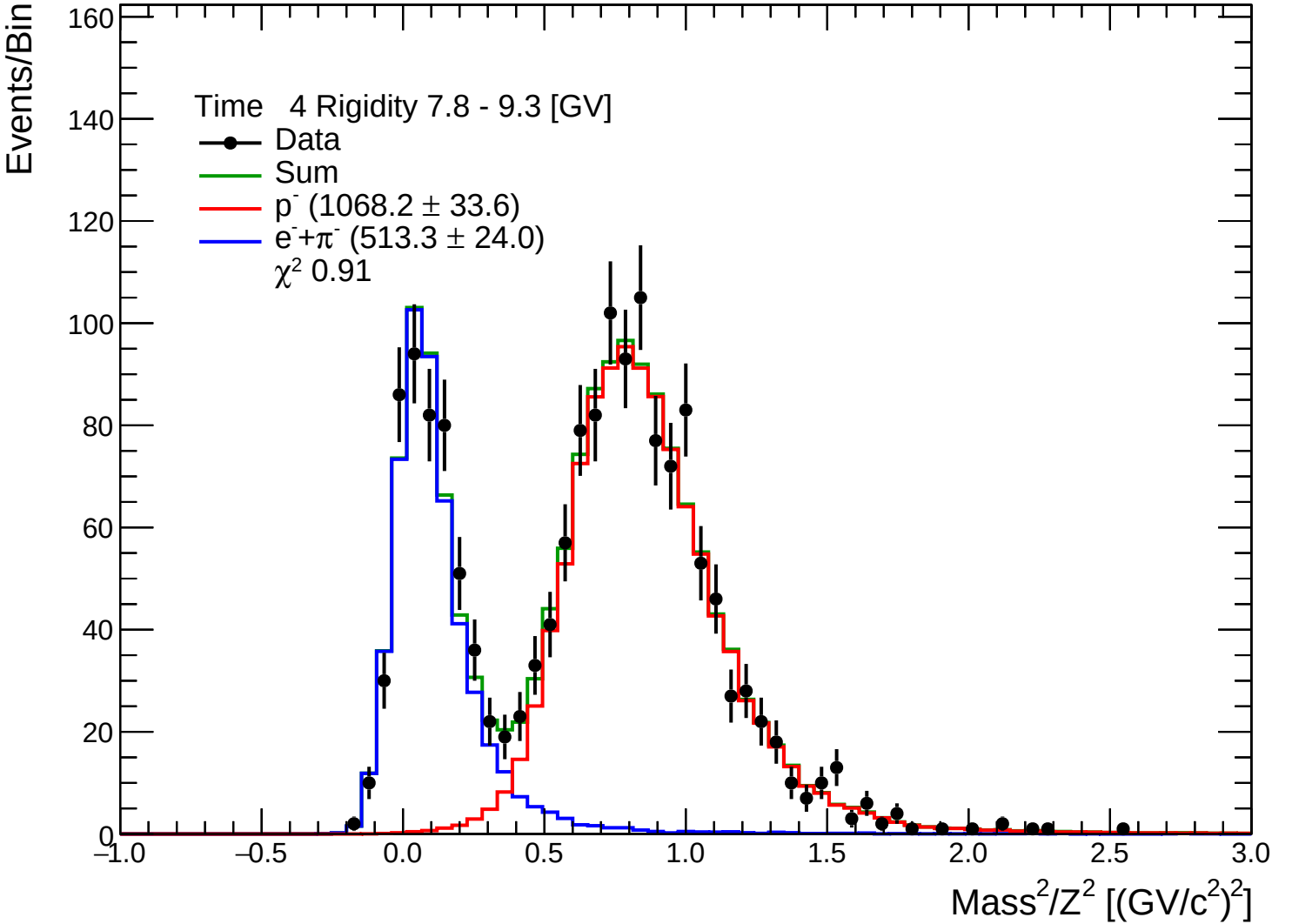

Events/Bin
400
350
300
250
200
150
100
50
0
885
890
895
900
905
910
915
Number [Temp 0]

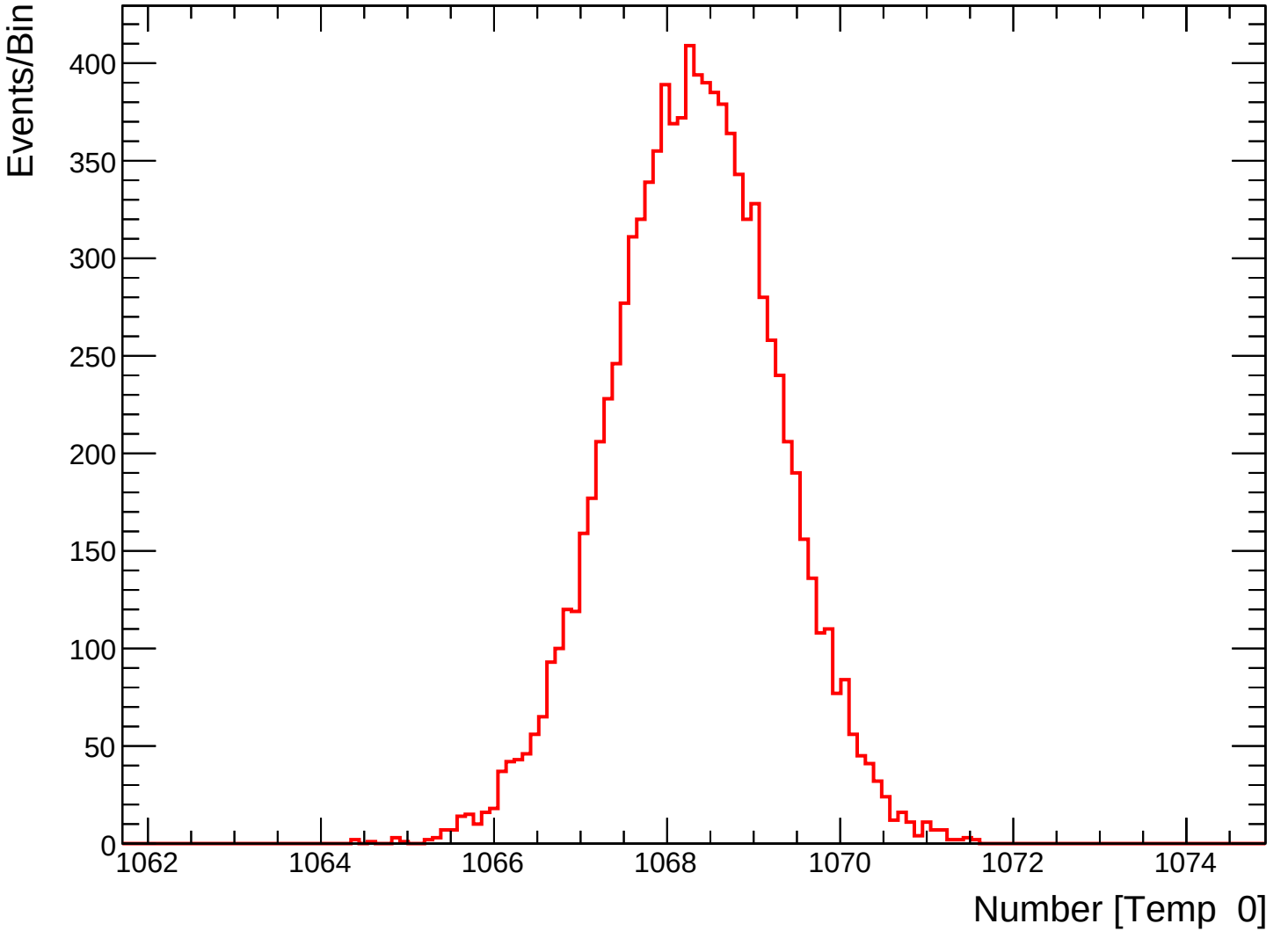

Time 4 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (1049.7 ± 33.8)
e⁻+π⁻ (25.1± 10.5)
χ² 0.95
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

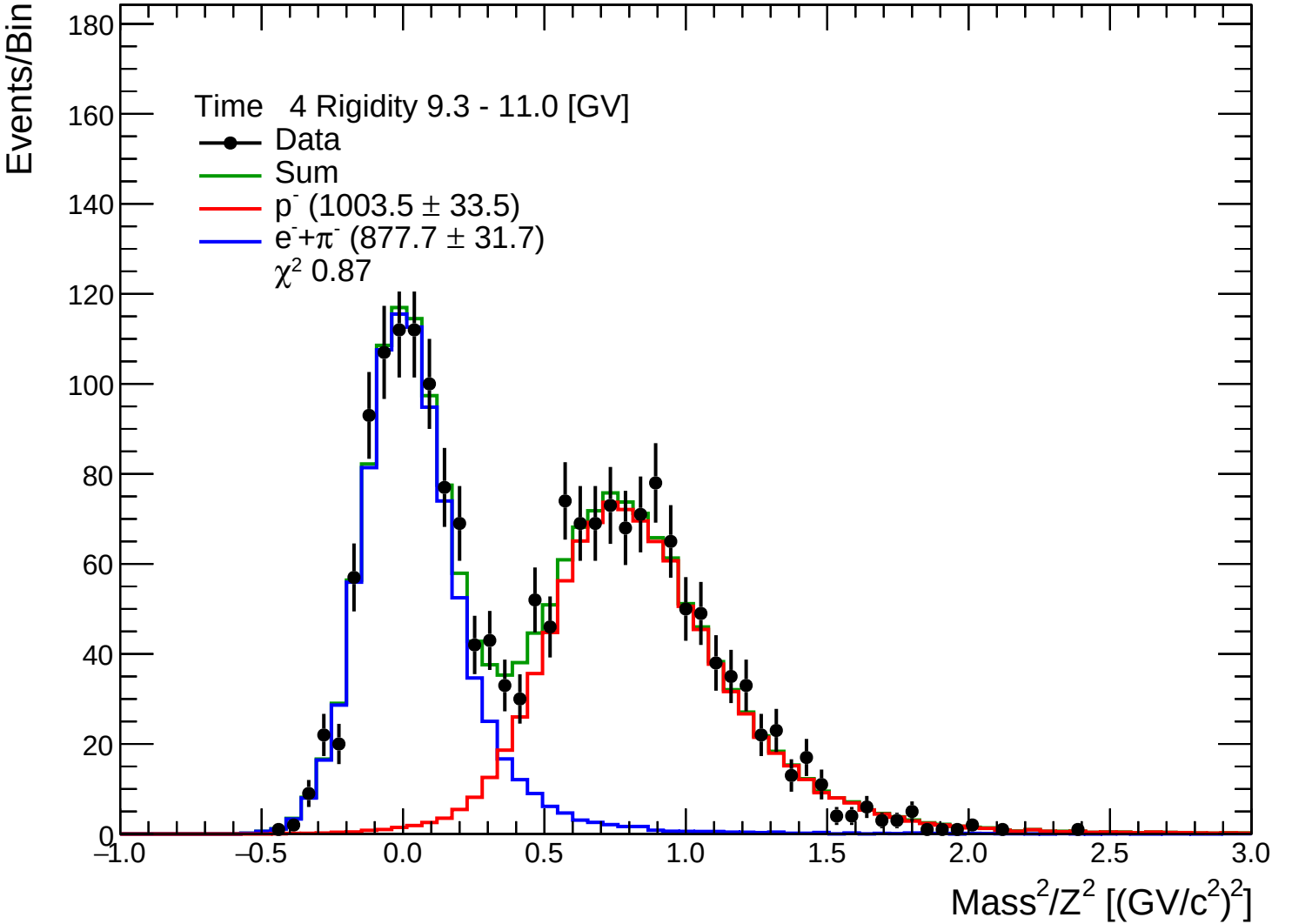

Events/Bin
450
400
350
300
250
200
150
100
50
0
1042
1044
1046
1048
1050
1052
1054
1056
1058
Number [Temp 0]

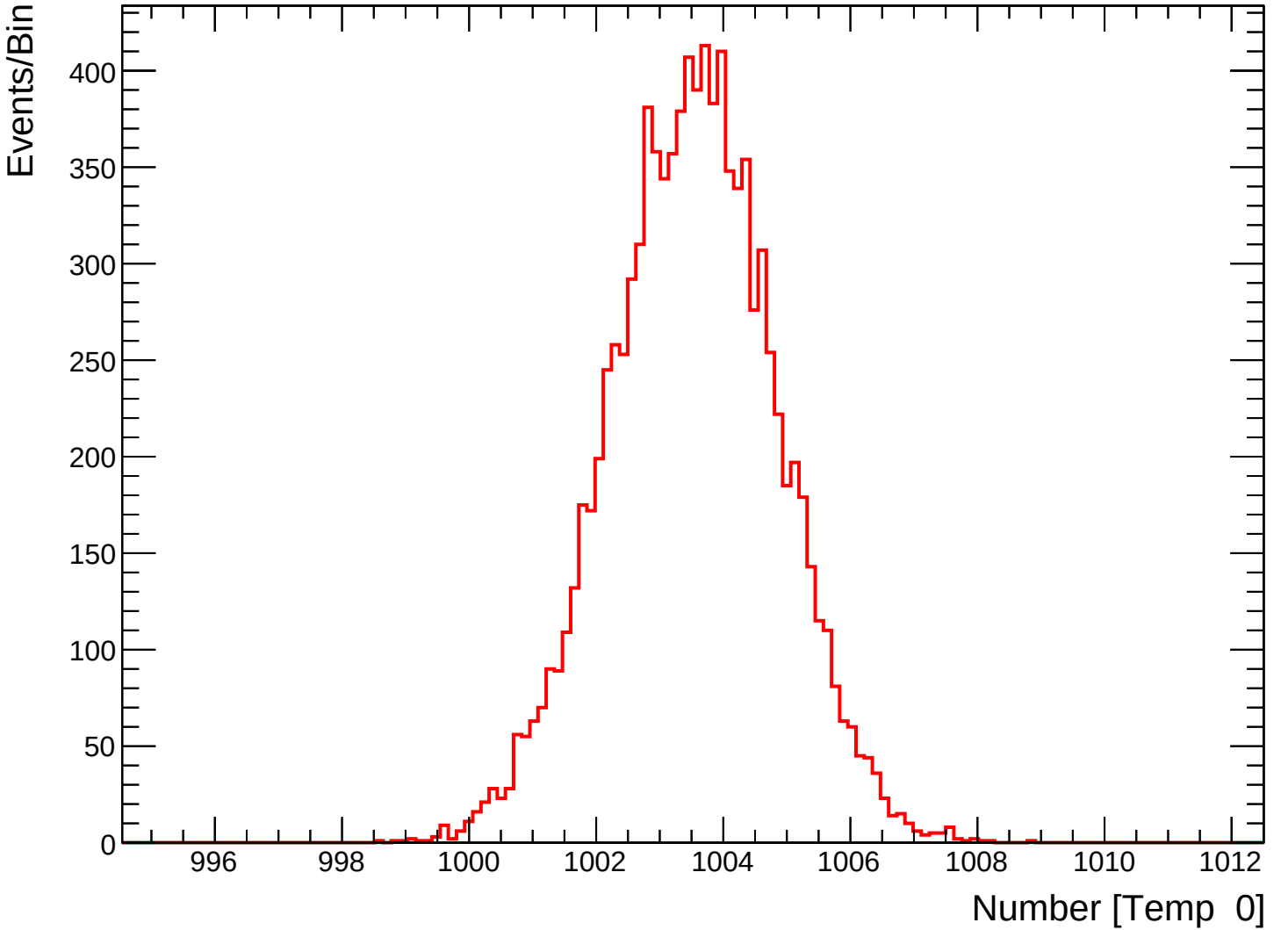

Time 4 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1115.4 ± 34.1)
e⁻+π⁻ (91.2 ± 11.3)
χ² 0.90
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

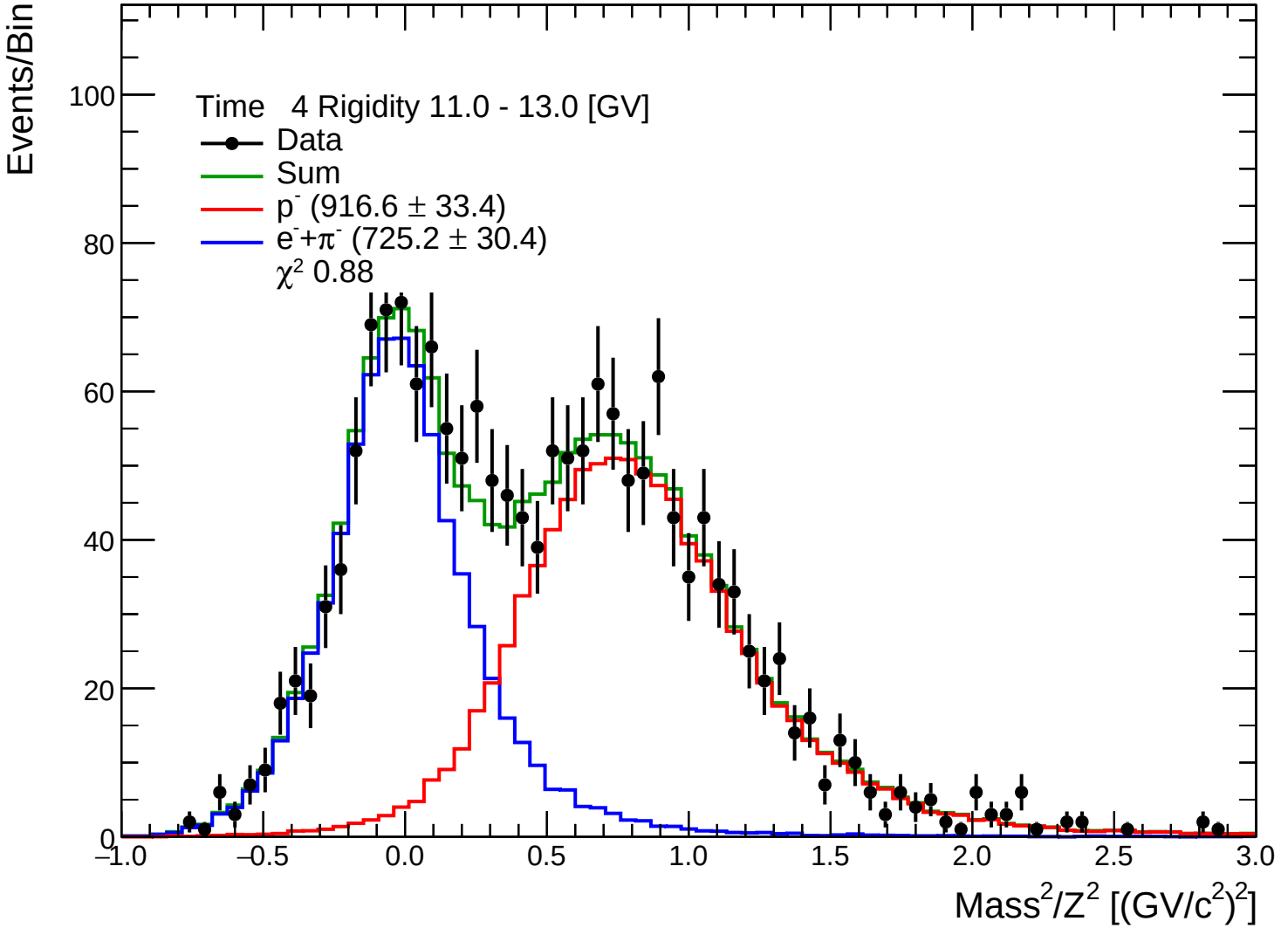

Events/Bin
450
400
350
300
250
200
150
100
50
0
1110
1112
1114
1116
1118
1120
Number [Temp 0]

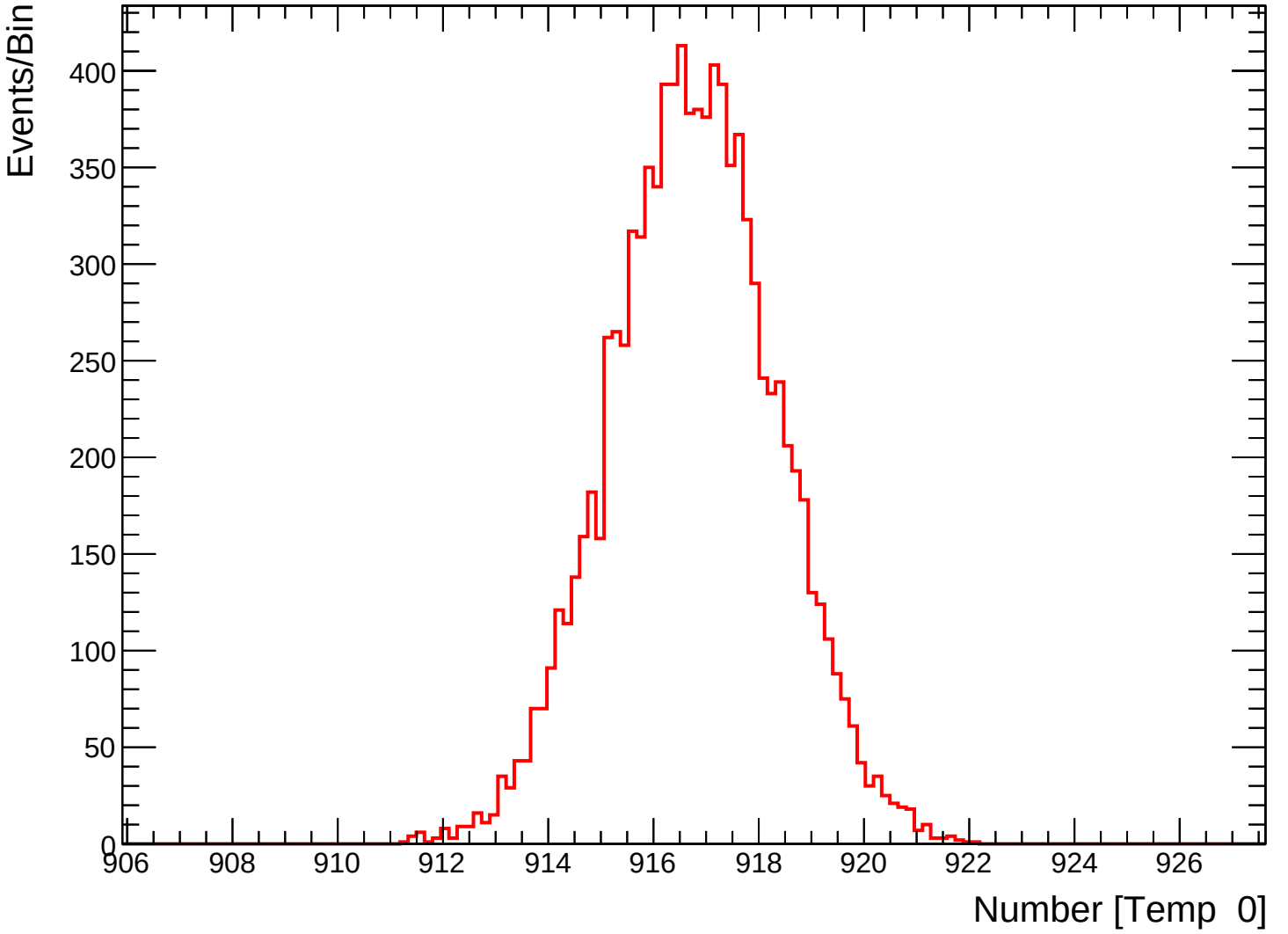

Time 4 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1068.2 ± 33.6)
e⁻+π⁻ (513.3 ± 24.0)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

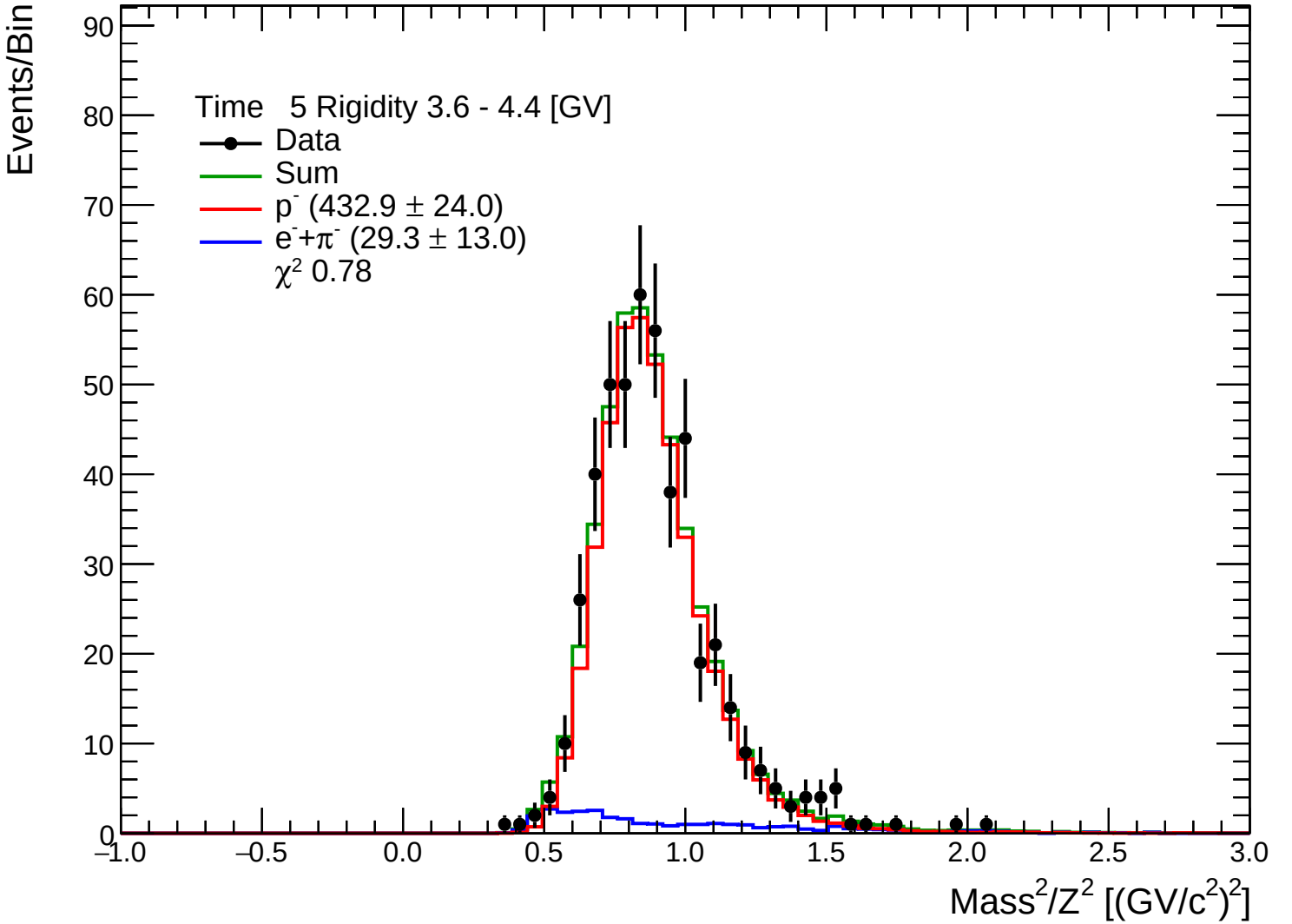

Events/Bin
400
350
300
250
200
150
100
50
0
1062
1064
1066
1068
1070
1072
1074
Number [Temp 0]

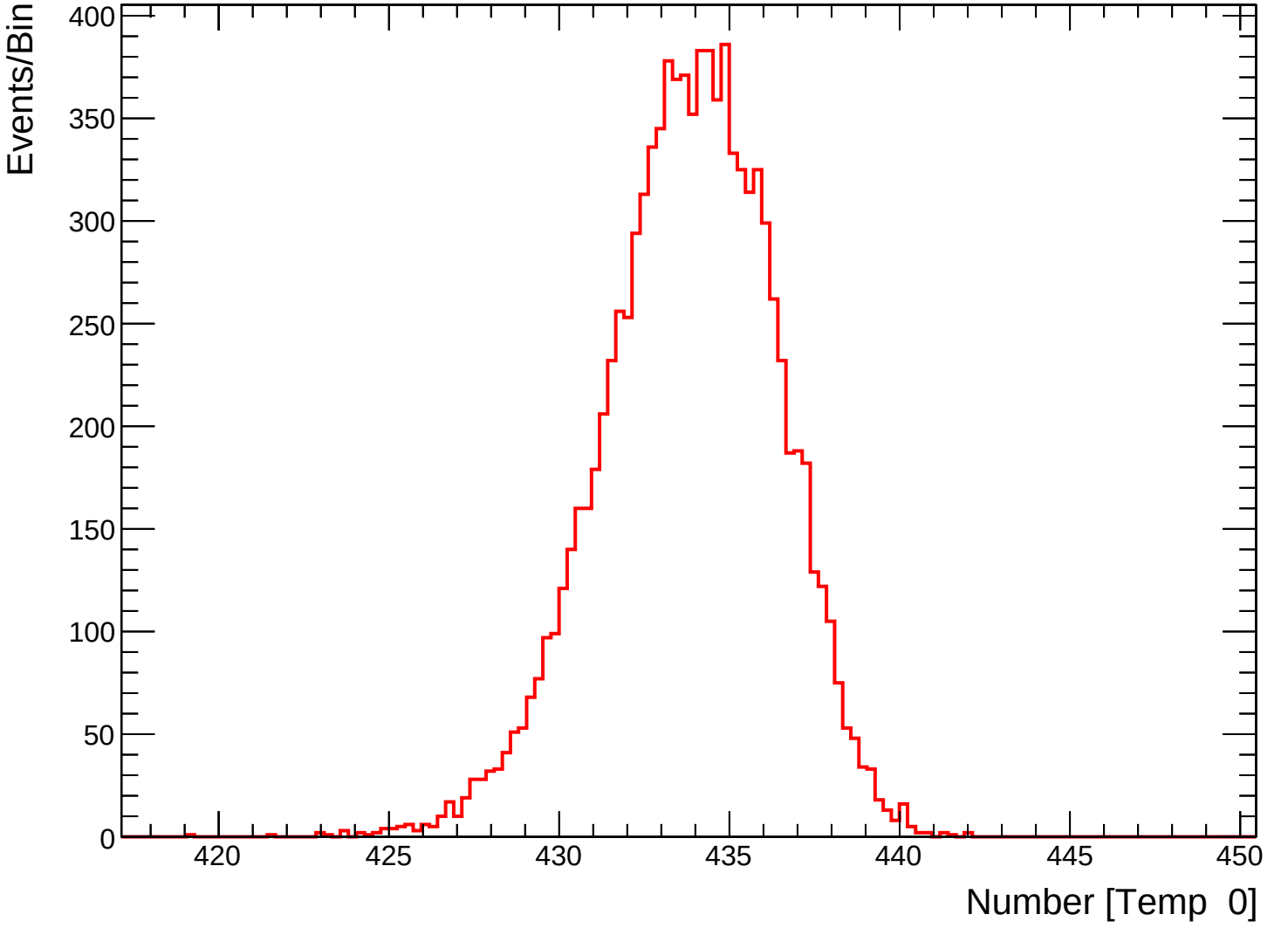

Time 4 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (1003.5 ± 33.5)
e⁻+π⁻ (877.7 ± 31.7)
χ² 0.87
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

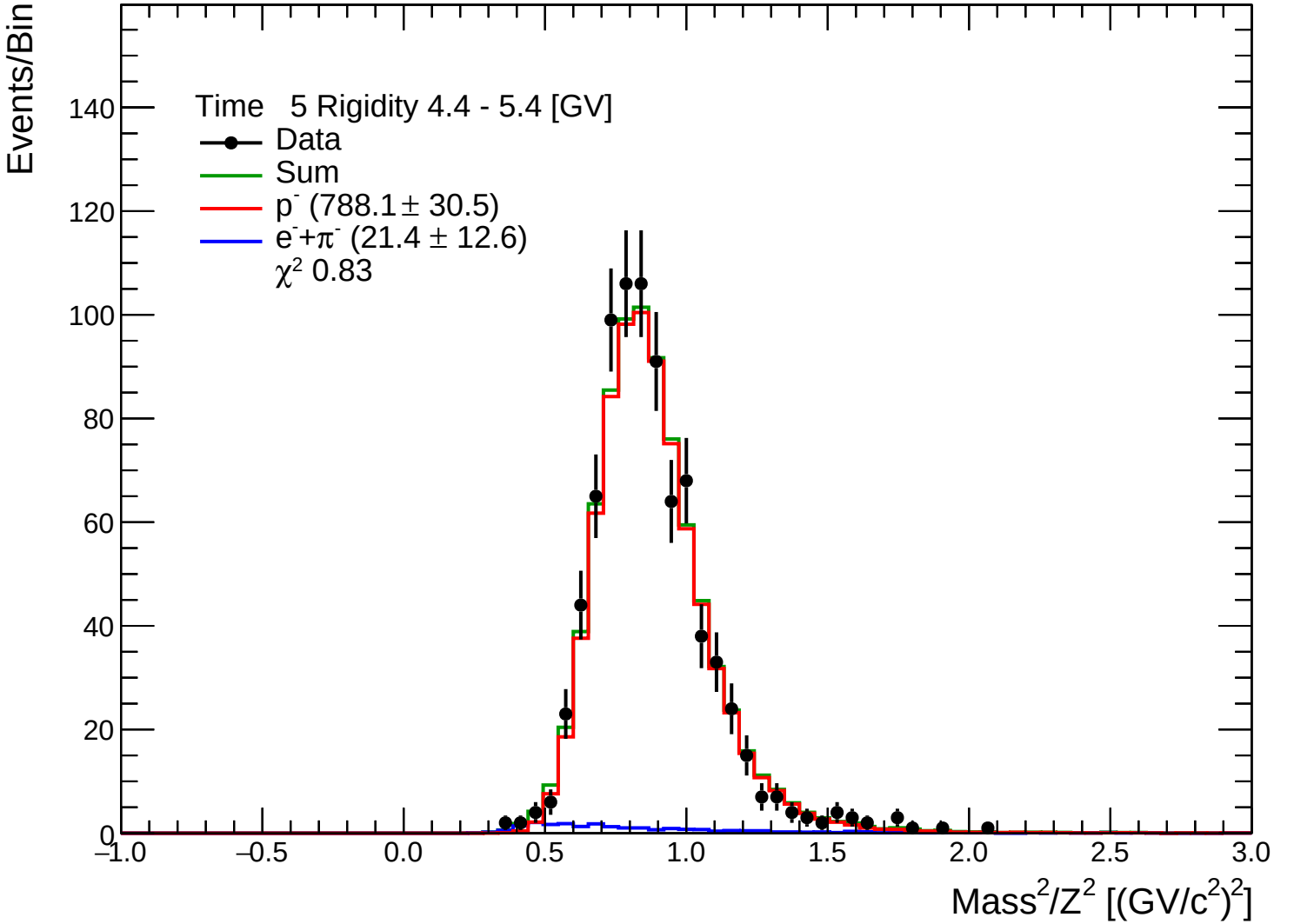

Events/Bin
400
350
300
250
200
150
100
50
0
996
998
1000
1002
1004
1006
1008
1010
1012
Number [Temp 0]

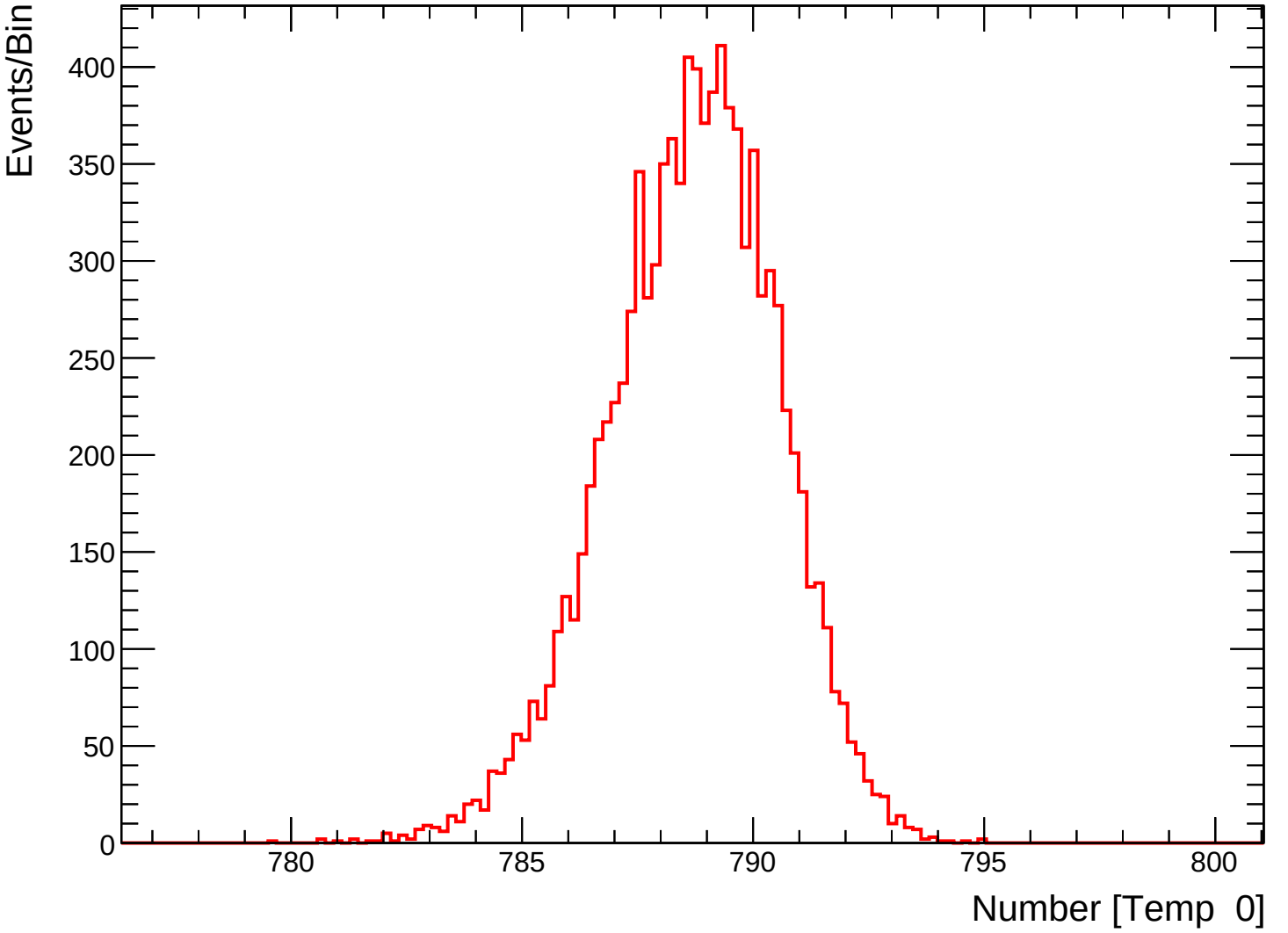

Events/Bin
Time 4 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (916.6 ± 33.4)
e⁻+π⁻ (725.2 ± 30.4)
χ² 0.88
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Mass²/Z² [(GV/c²)²]

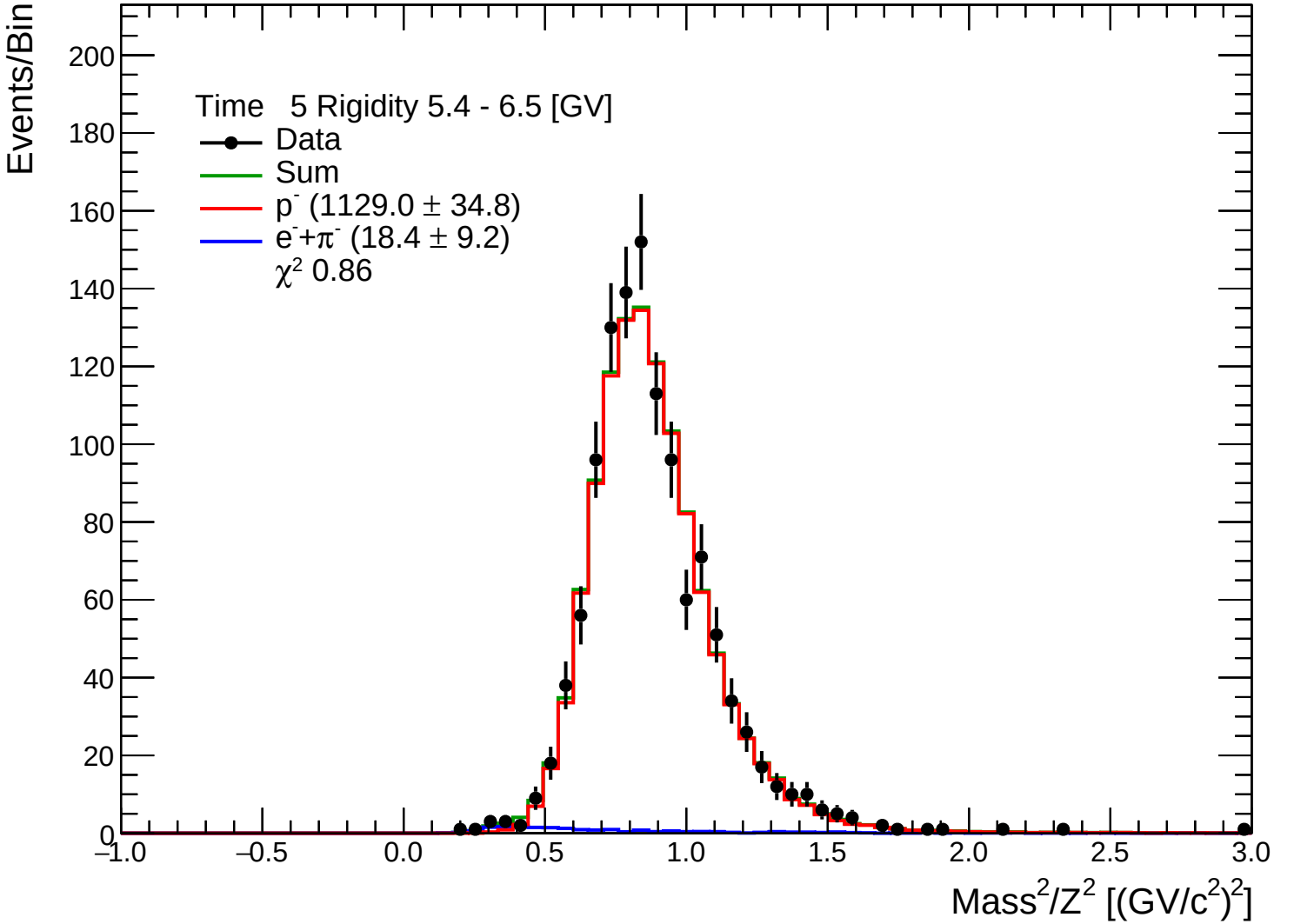

Events/Bin
400
350
300
250
200
150
100
50
0
906
908
910
912
914
916
918
920
922
924
926
Number [Temp 0]

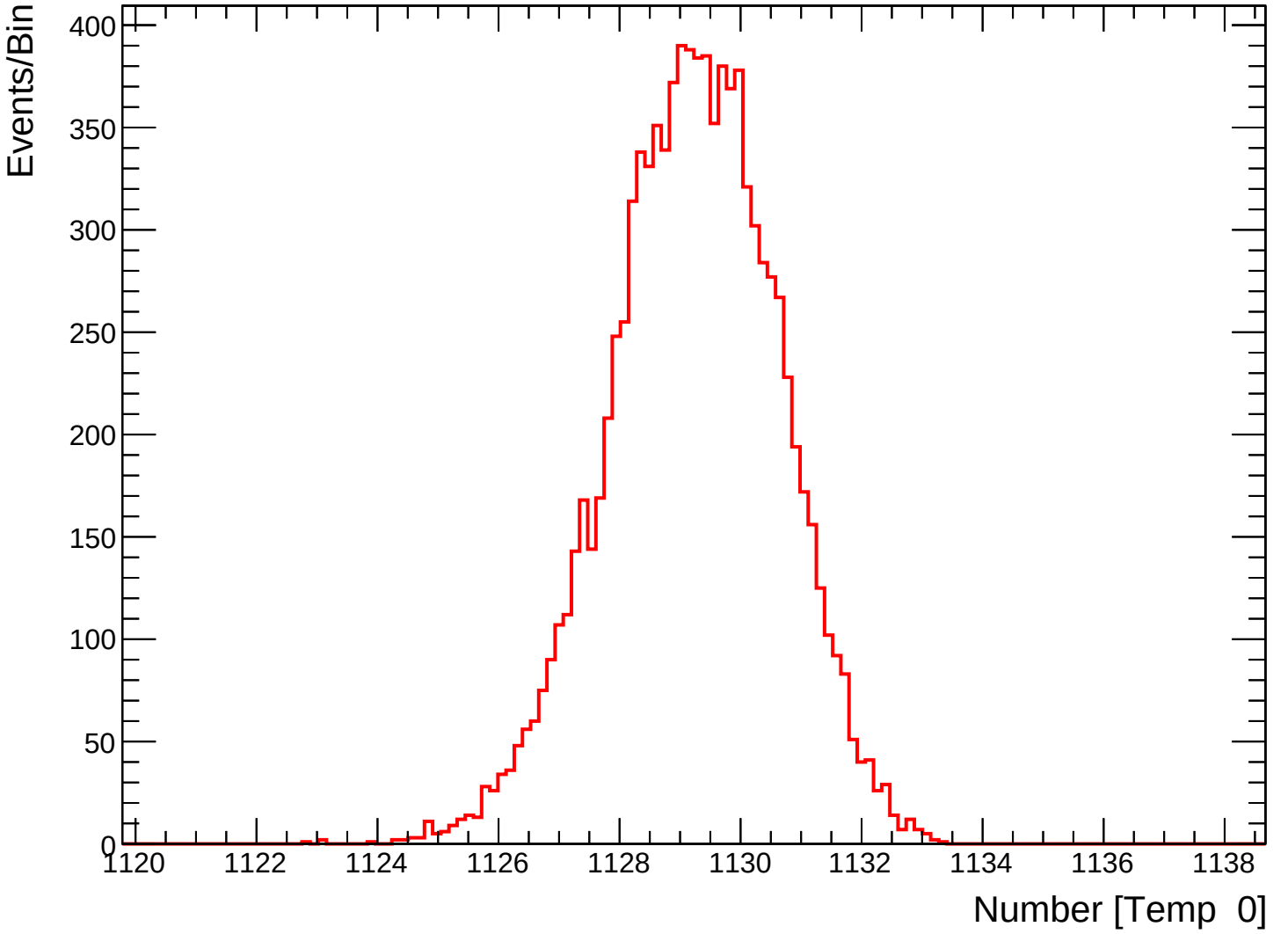

Time 5 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (432.9 ± 24.0)
e⁻+π⁻ (29.3 ± 13.0)
χ² 0.78
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

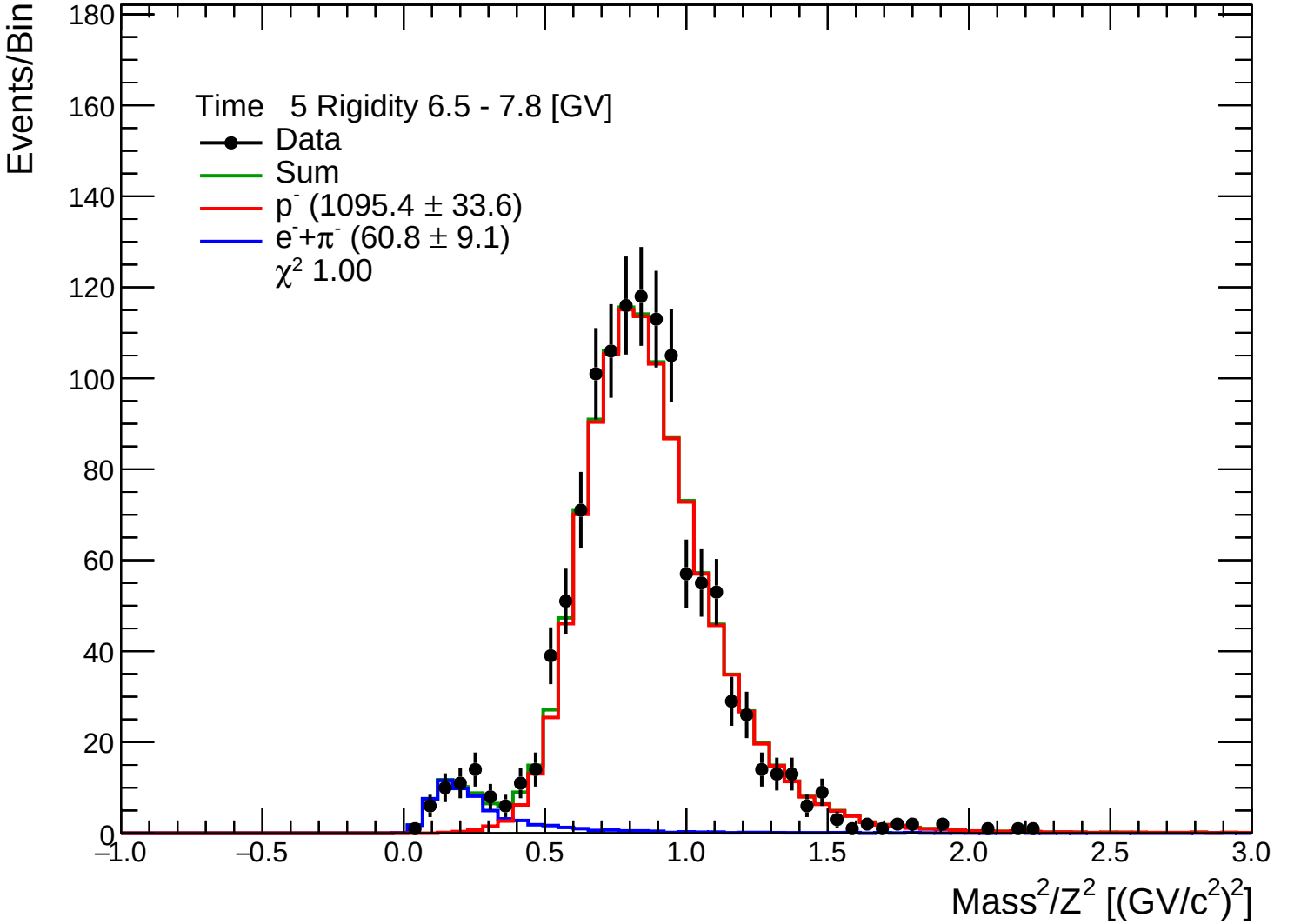

Events/Bin
400
350
300
250
200
150
100
50
0
420
425
430
435
440
445
450
Number [Temp 0]

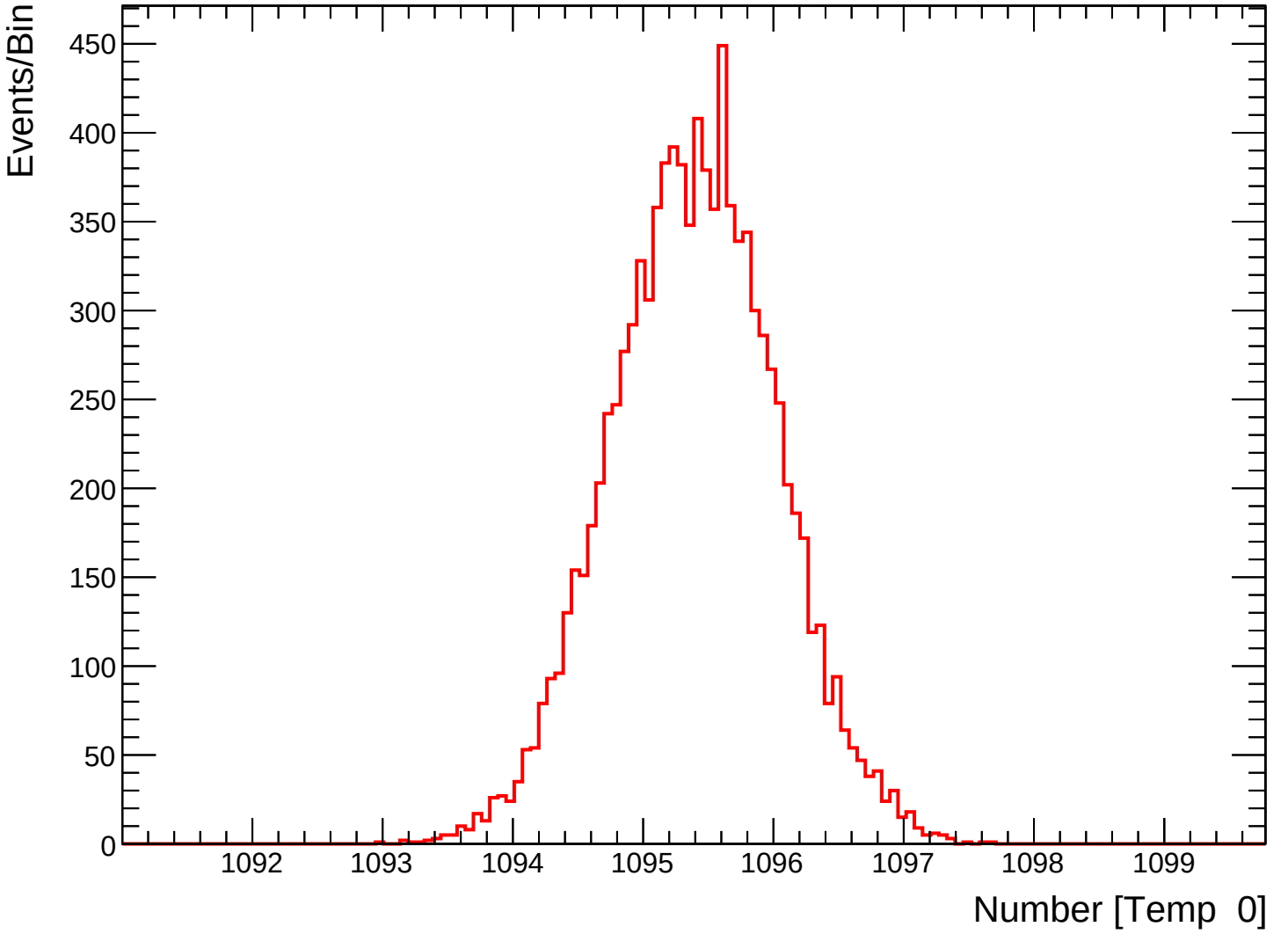

Time 5 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (788.1 ± 30.5)
e⁻+π⁻ (21.4 ± 12.6)
χ² 0.83
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

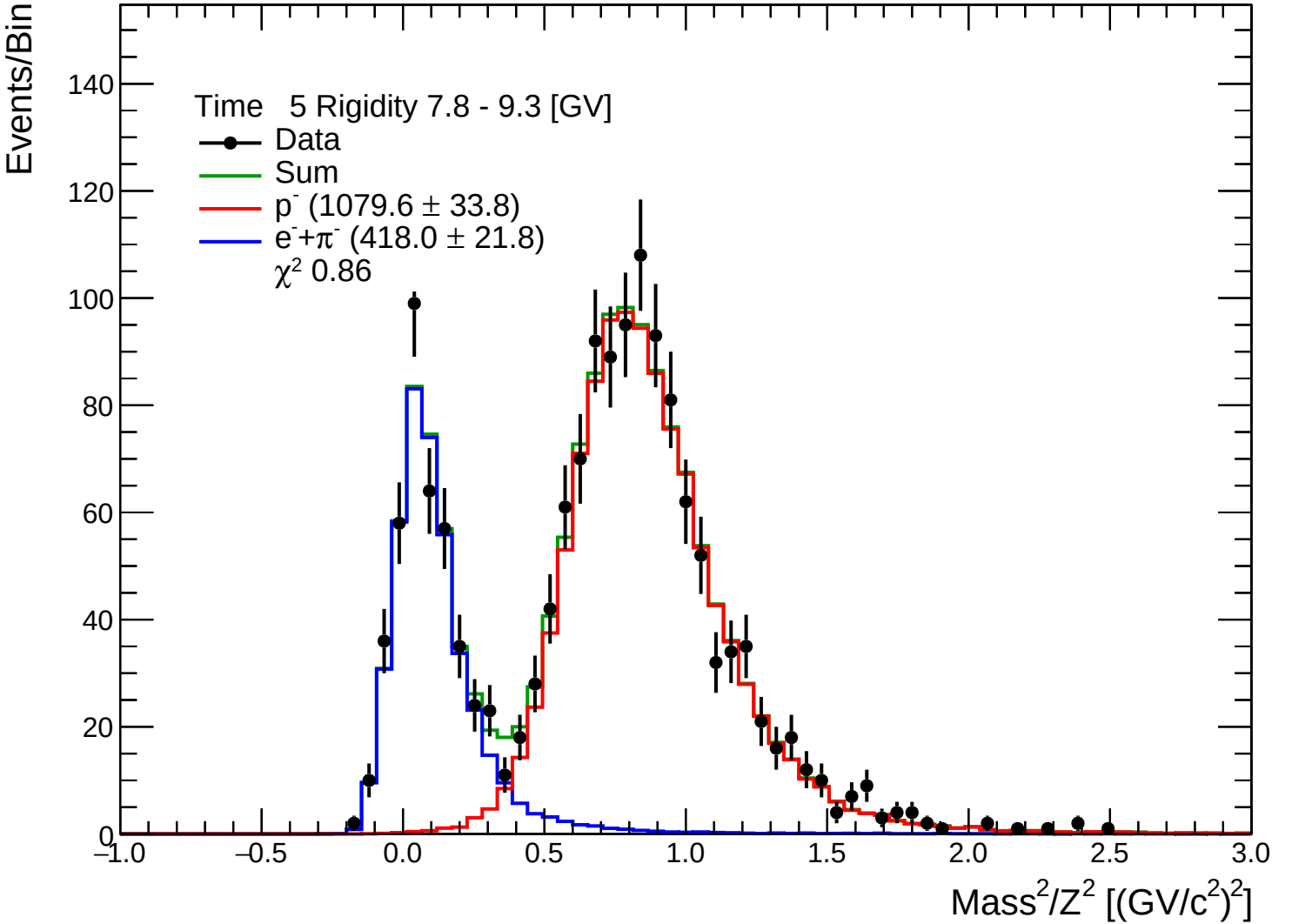

Events/Bin
400
350
300
250
200
150
100
50
0
780
785
790
795
800
Number [Temp 0]

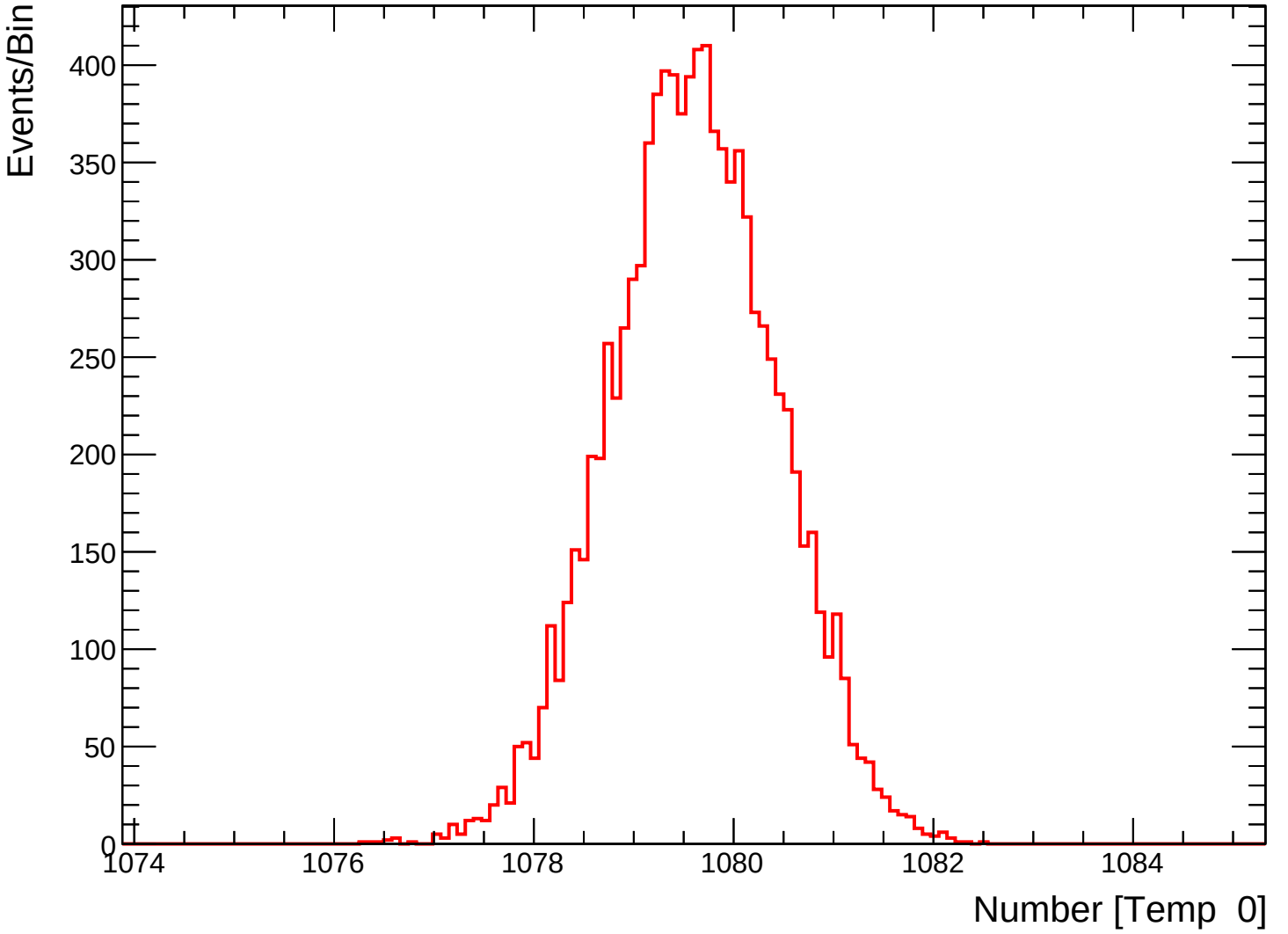

Time 5 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (1129.0 ± 34.8)
e⁻+π⁻ (18.4 ± 9.2)
χ² 0.86
Events/Bin
Mass²/Z² [(GV/c²)²]
200
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

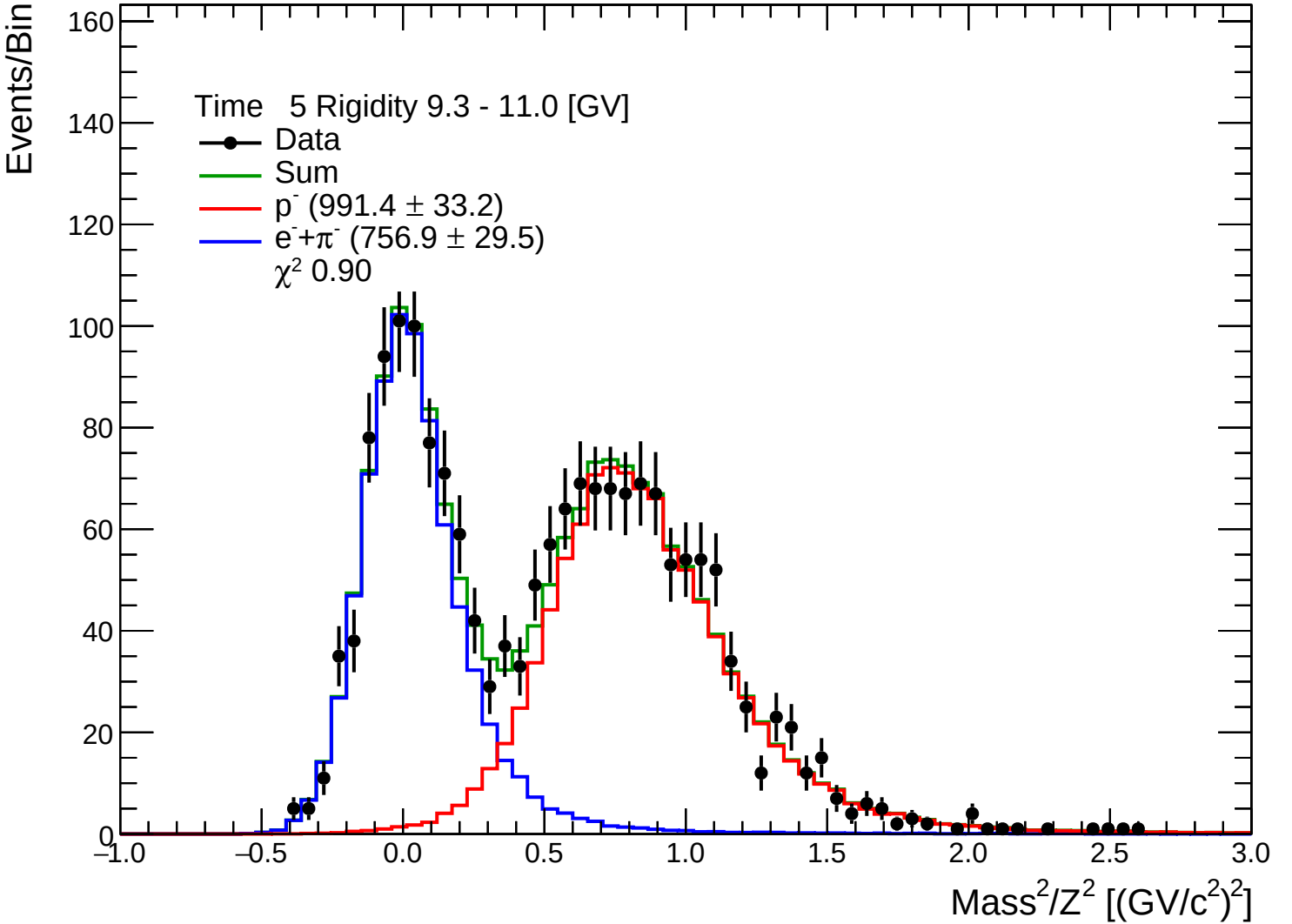

Events/Bin
400
350
300
250
200
150
100
50
0
1120
1122
1124
1126
1128
1130
1132
1134
1136
1138
Number [Temp 0]

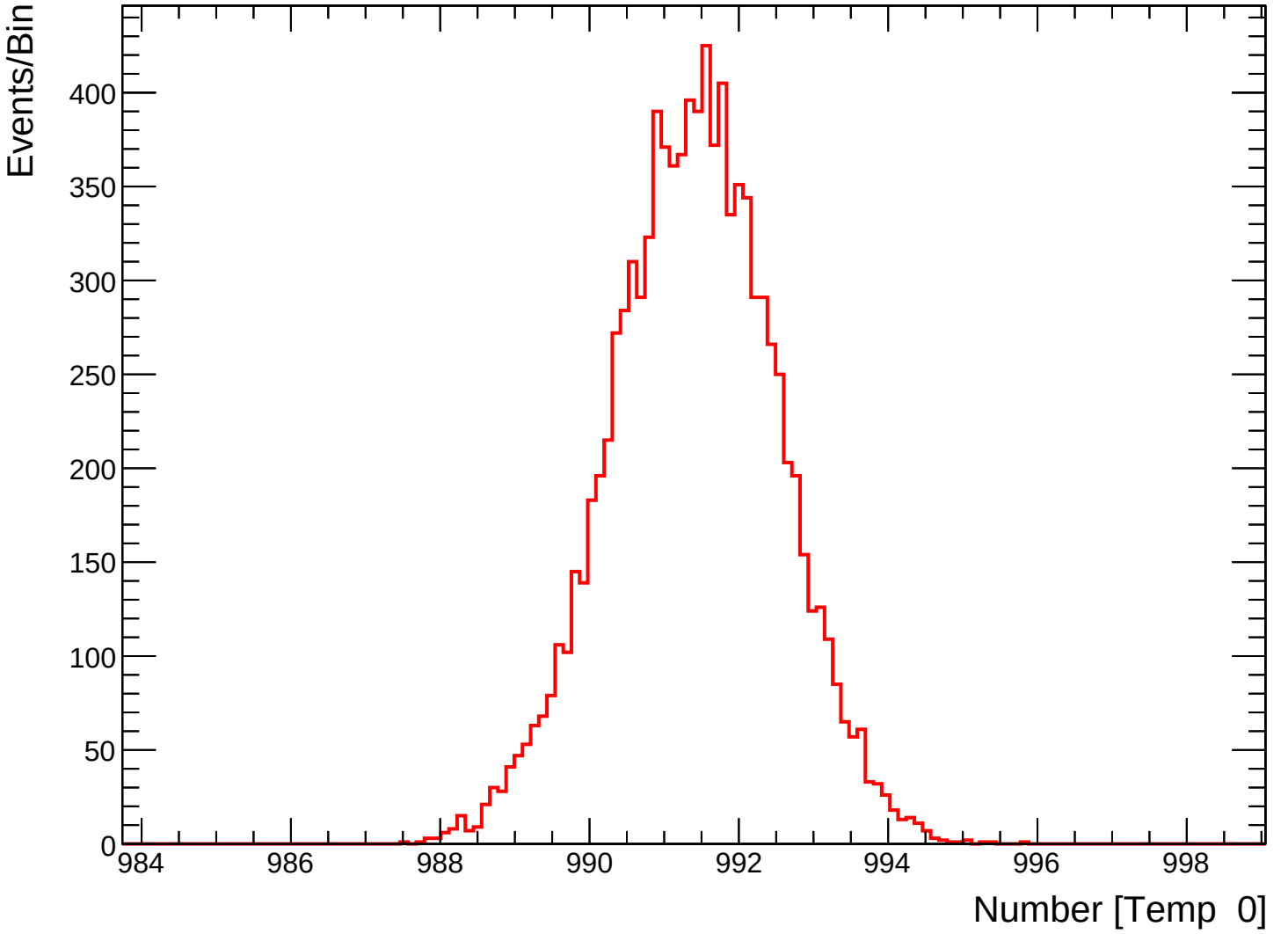

Time 5 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1095.4 ± 33.6)
e⁻+π⁻ (60.8 ± 9.1)
χ² 1.00
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

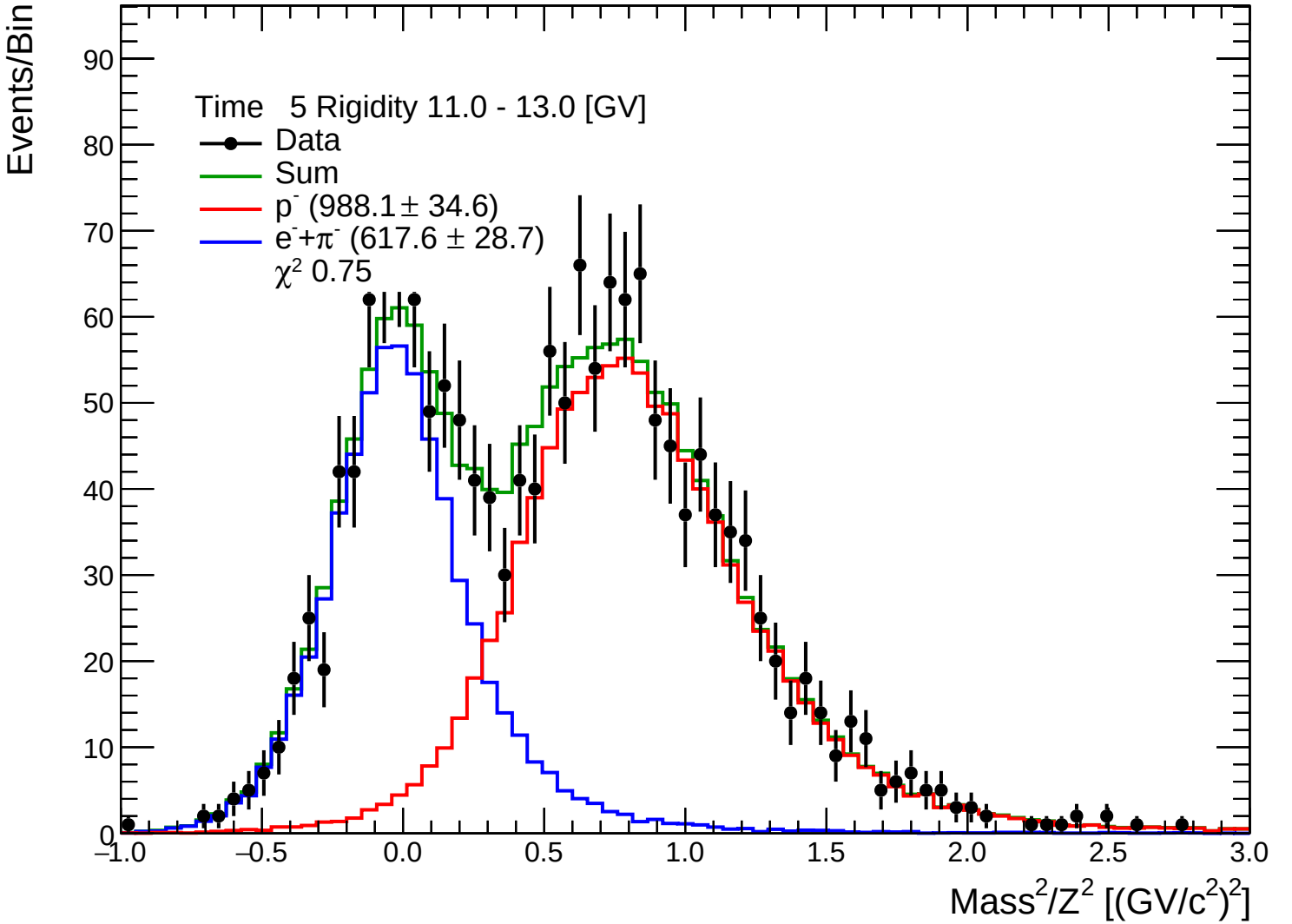

Events/Bin
450
400
350
300
250
200
150
100
50
0
1092
1093
1094
1095
1096
1097
1098
1099
Number [Temp 0]

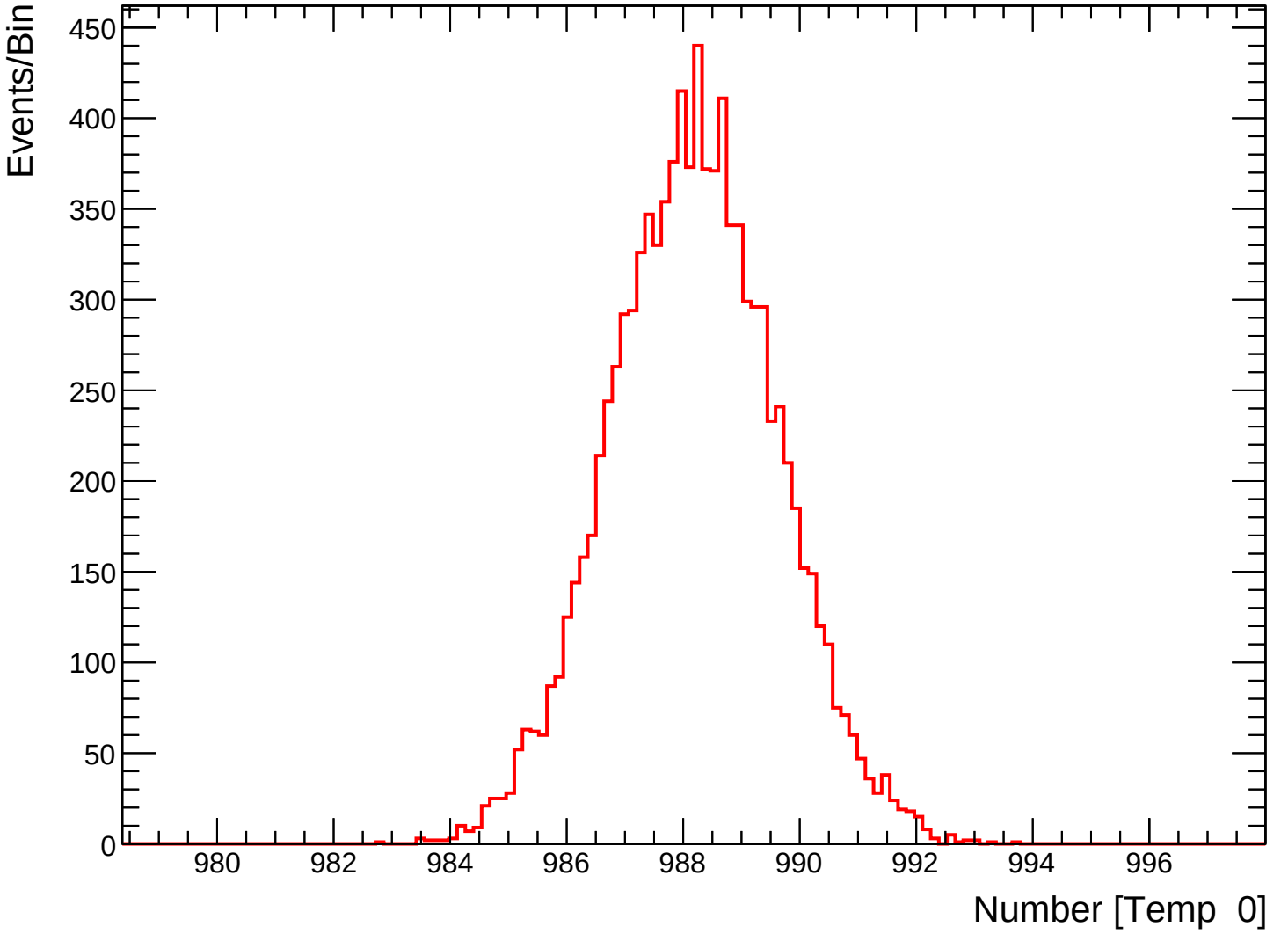

Time 5 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1079.6 ± 33.8)
e⁻+π⁻ (418.0 ± 21.8)
χ² 0.86
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

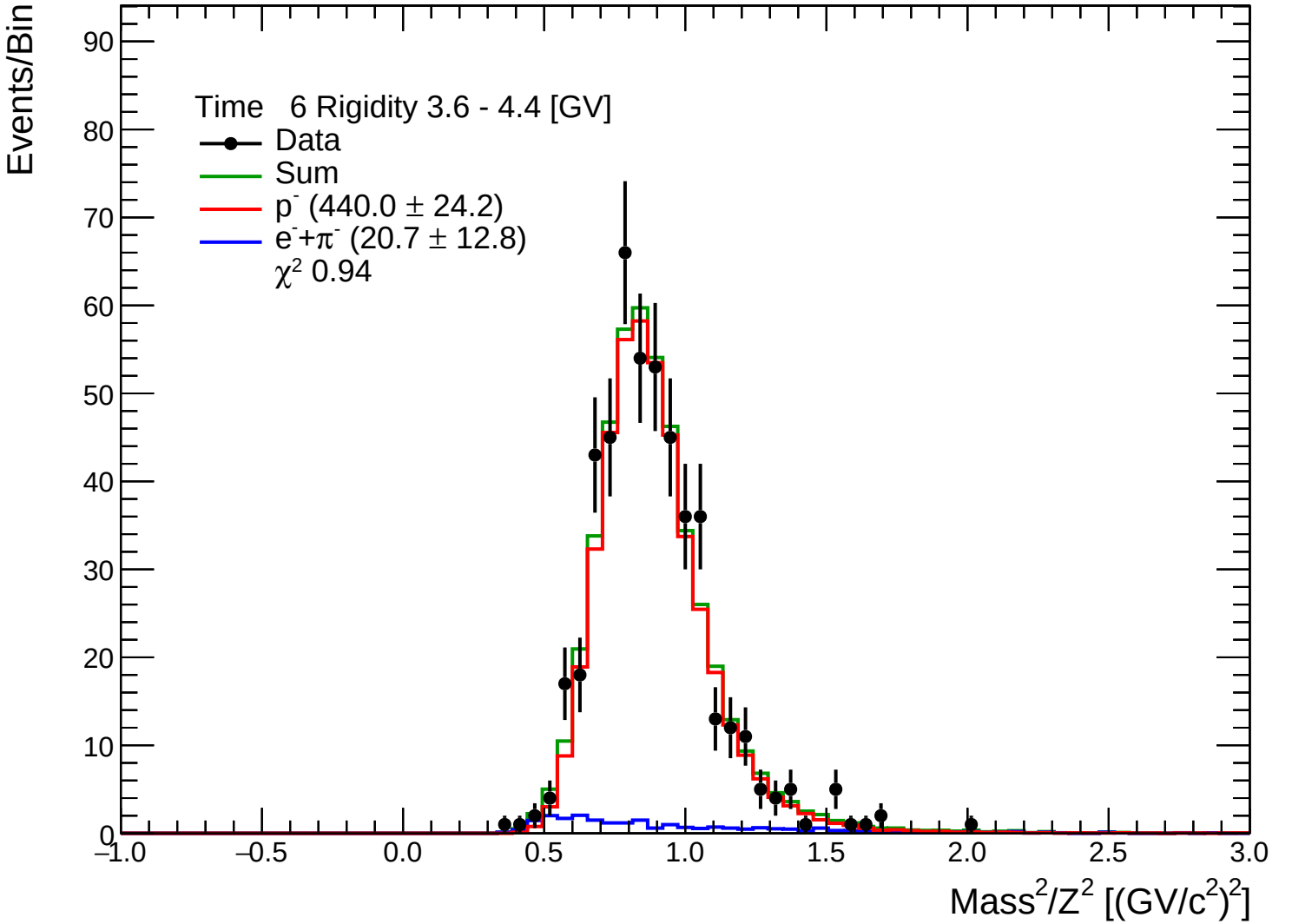

Events/Bin
400
350
300
250
200
150
100
50
0
1074
1076
1078
1080
1082
1084
Number [Temp 0]

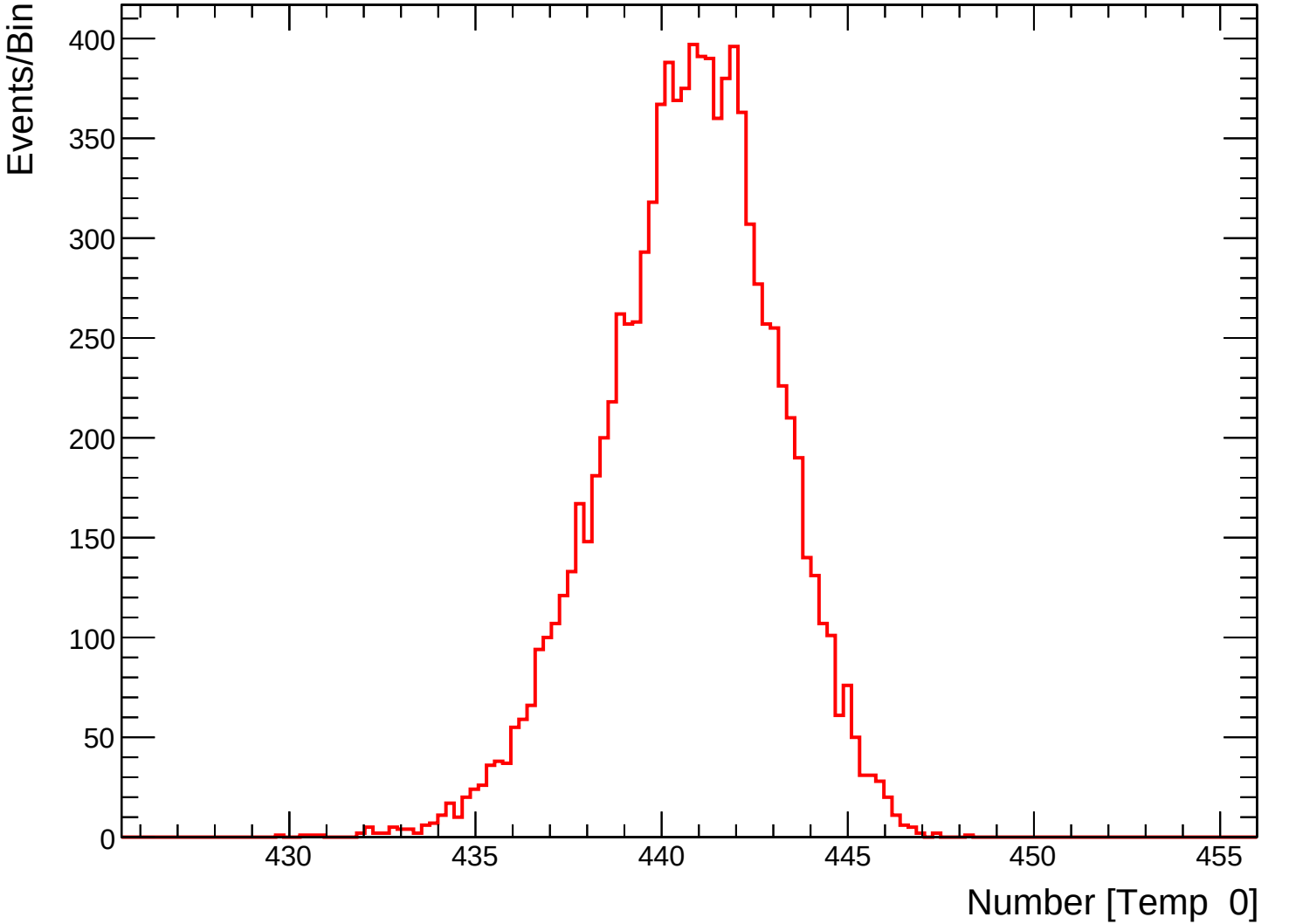

Time 5 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (991.4 ± 33.2)
e⁻+π⁻ (756.9 ± 29.5)
χ² 0.90
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

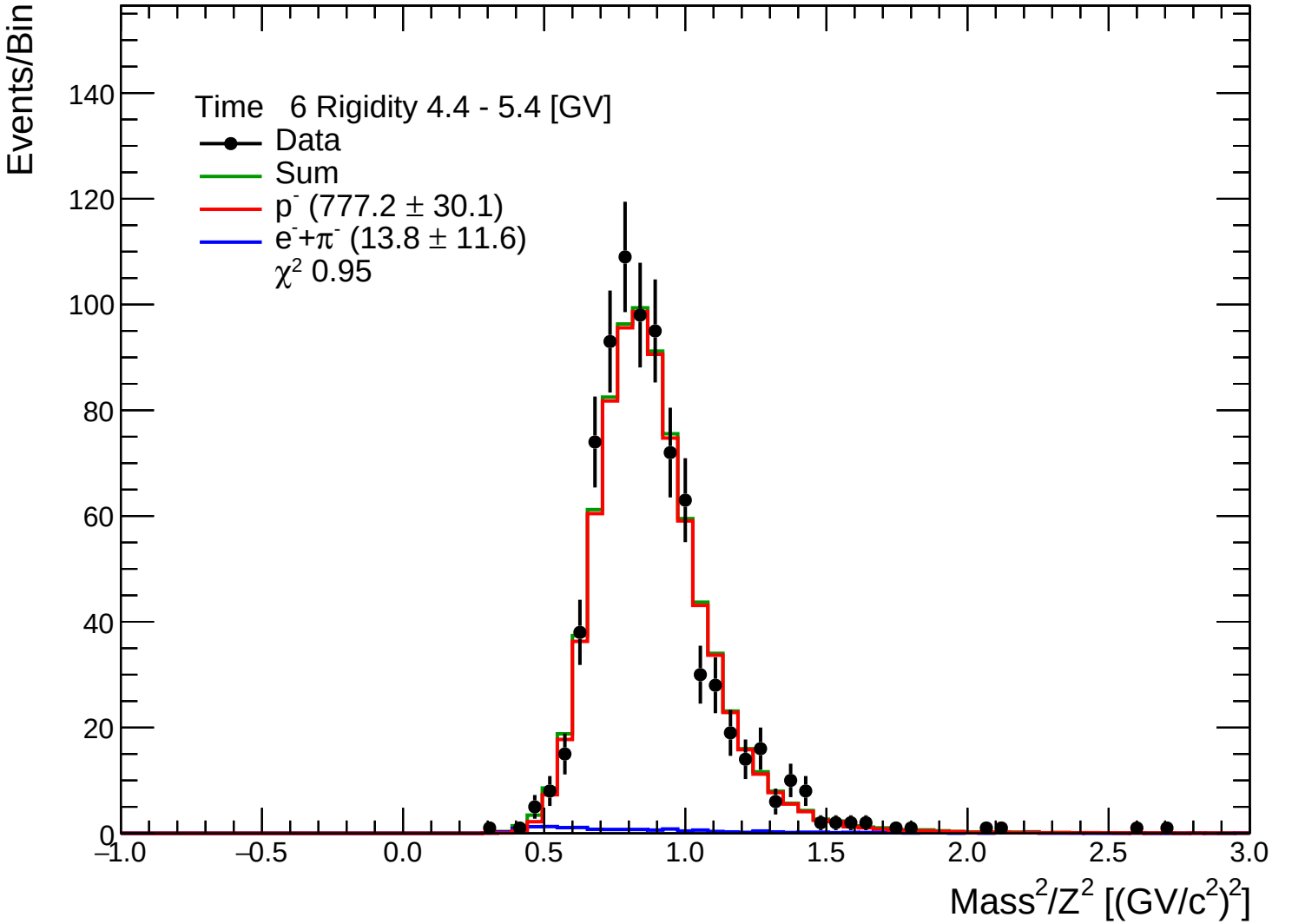

Events/Bin
400
350
300
250
200
150
100
50
0
984
986
988
990
992
994
996
998
Number [Temp 0]

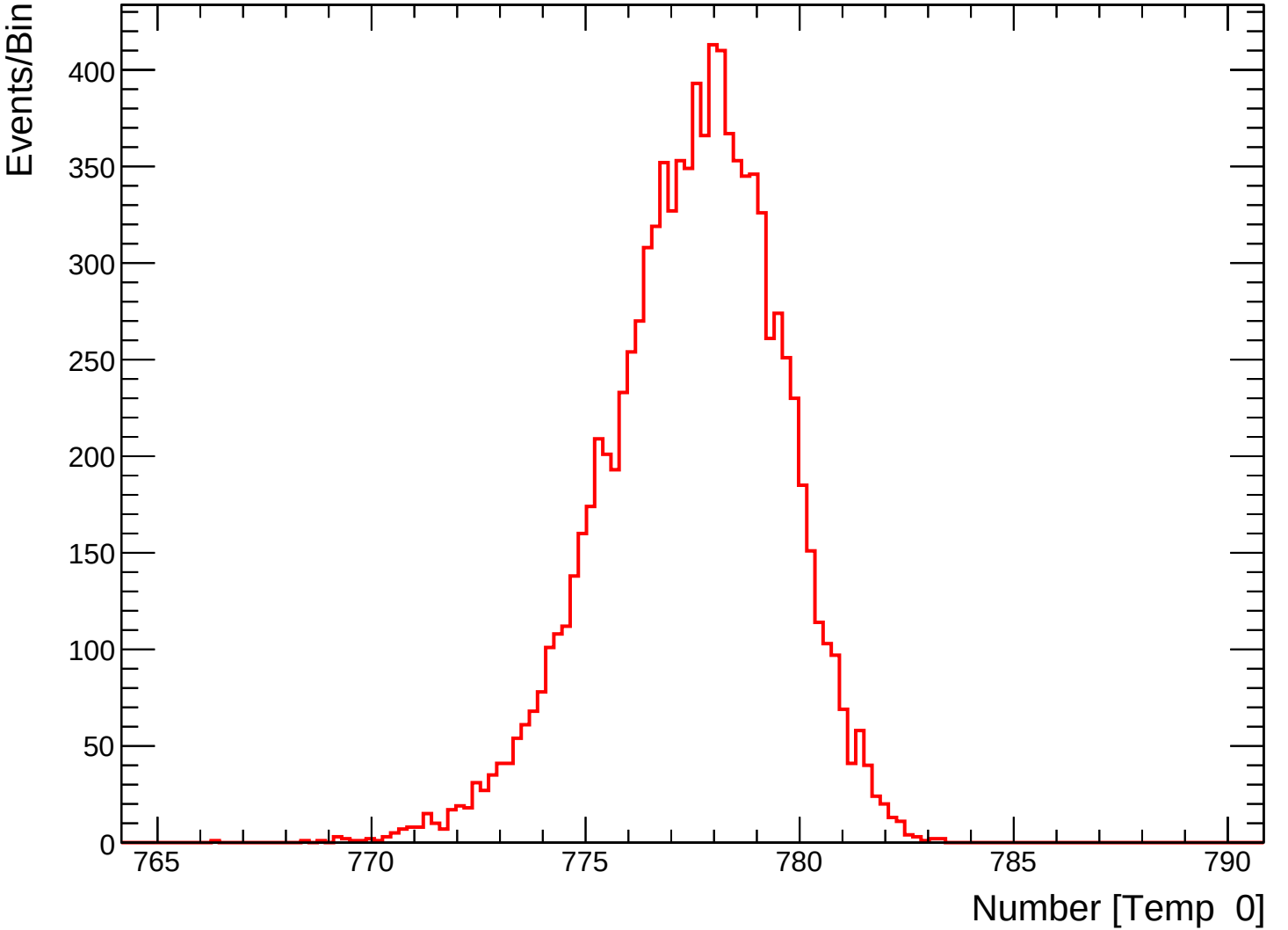

Time 5 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (988.1 ± 34.6)
e⁻+π⁻ (617.6 ± 28.7)
χ² 0.75
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

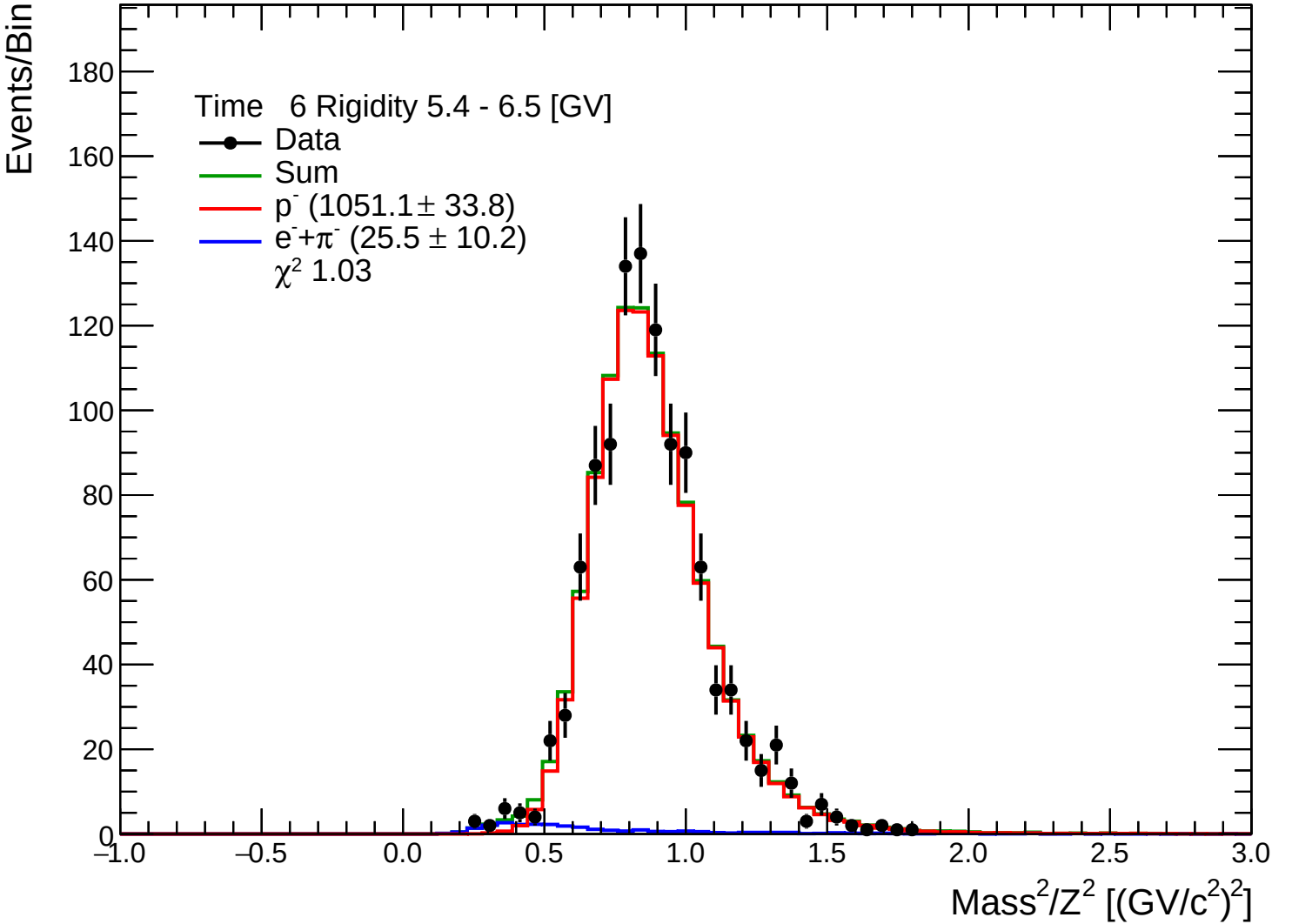

Events/Bin
450
400
350
300
250
200
150
100
50
0
980
982
984
986
988
990
992
994
996
Number [Temp 0]

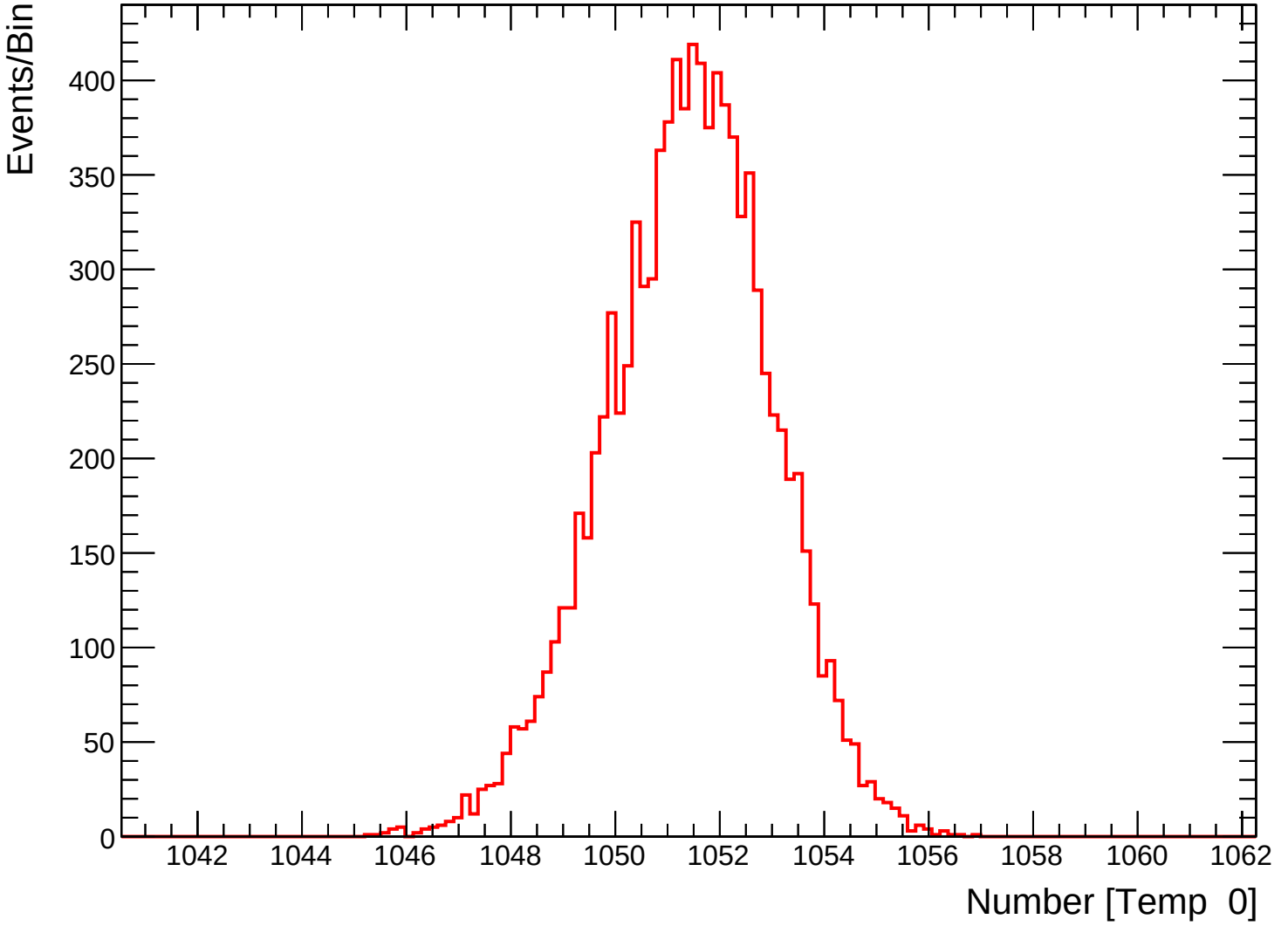

Events/Bin
Time 6 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (440.0 ± 24.2)
e⁻+π⁻ (20.7 ± 12.8)
χ² 0.94
Mass²/Z² [(GV/c²)²]

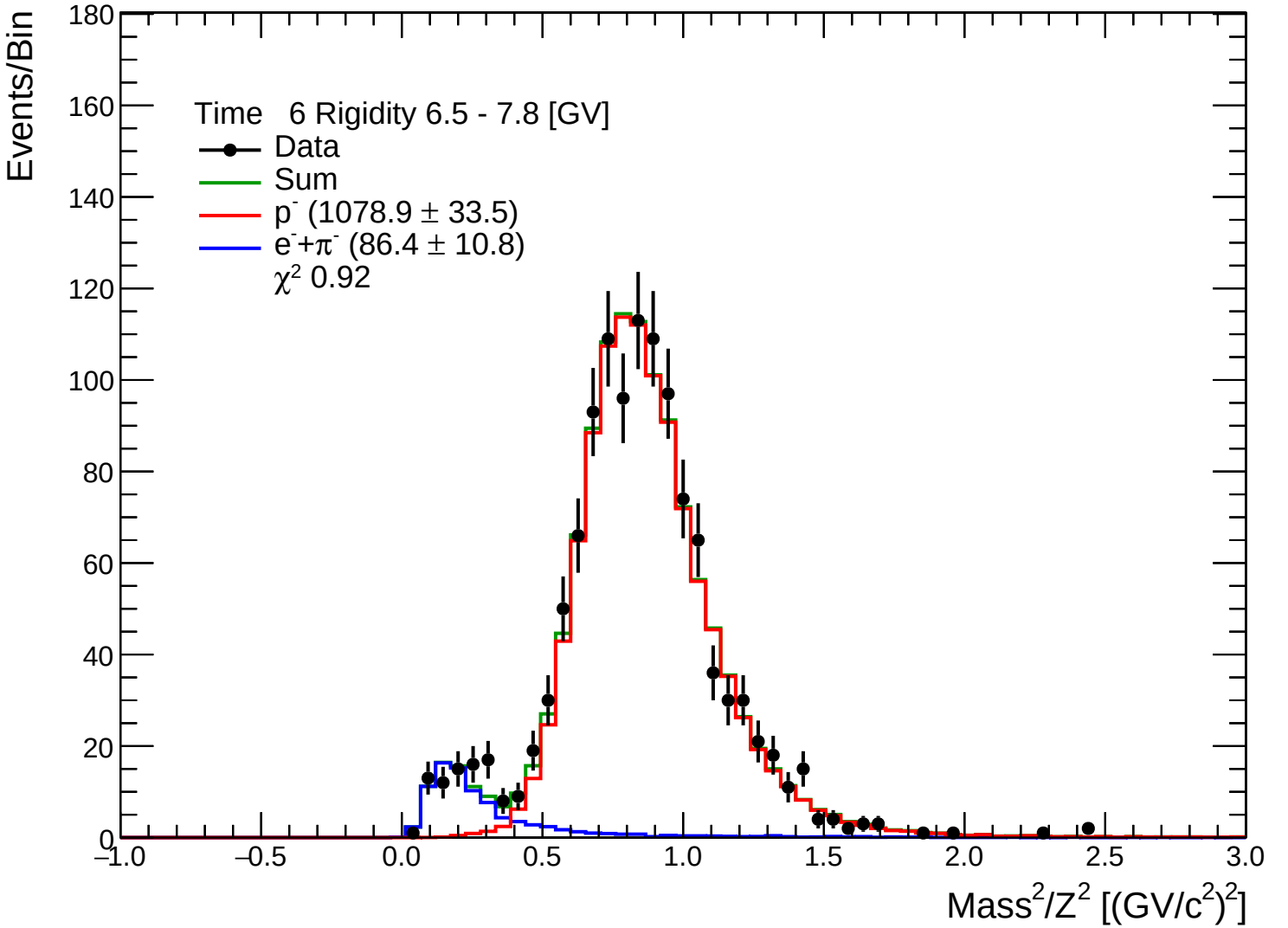

Events/Bin
400
350
300
250
200
150
100
50
0
430
435
440
445
450
455
Number [Temp 0]

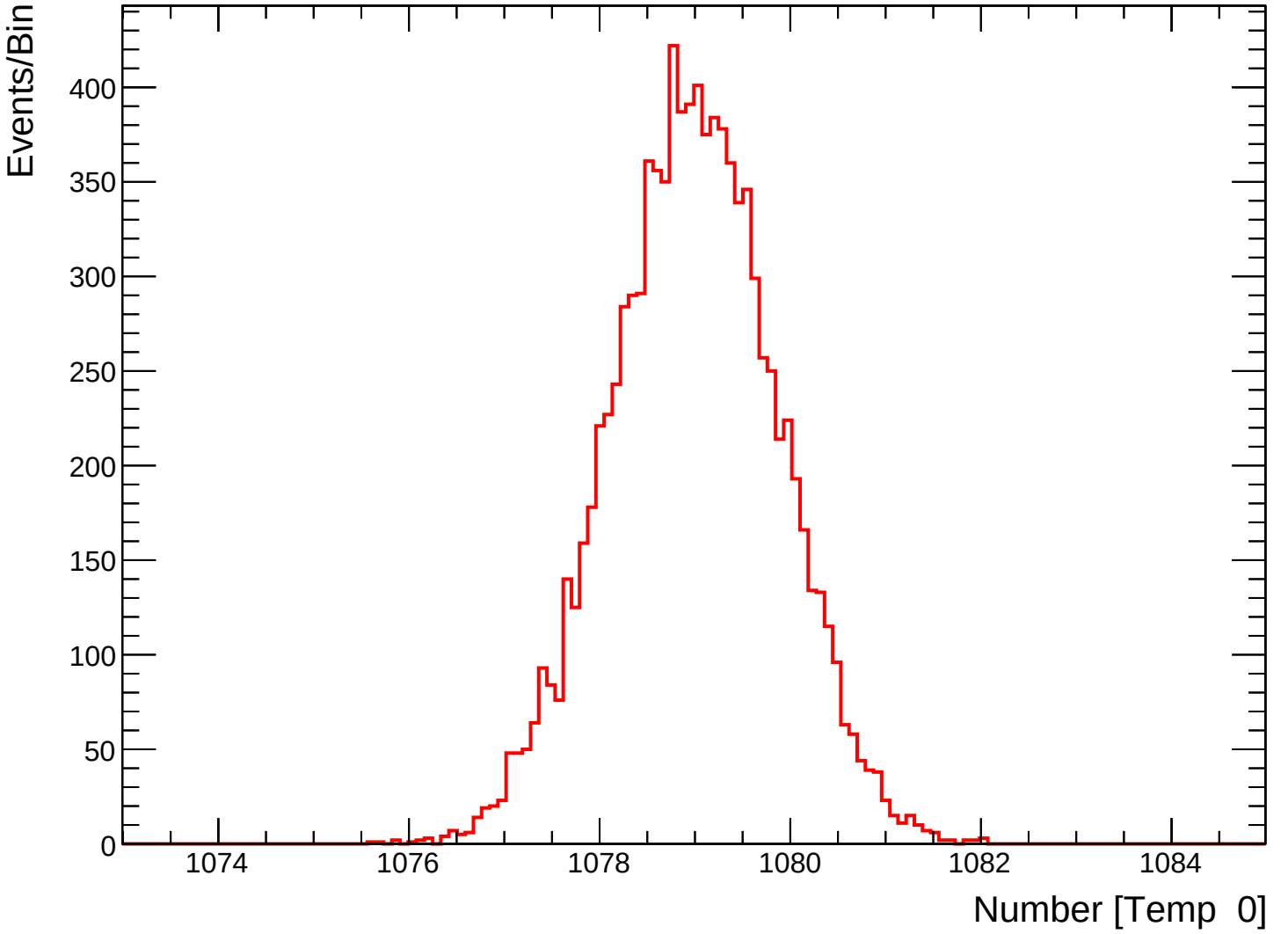

Time 6 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (777.2 ± 30.1)
e⁻+π⁻ (13.8 ± 11.6)
χ² 0.95
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

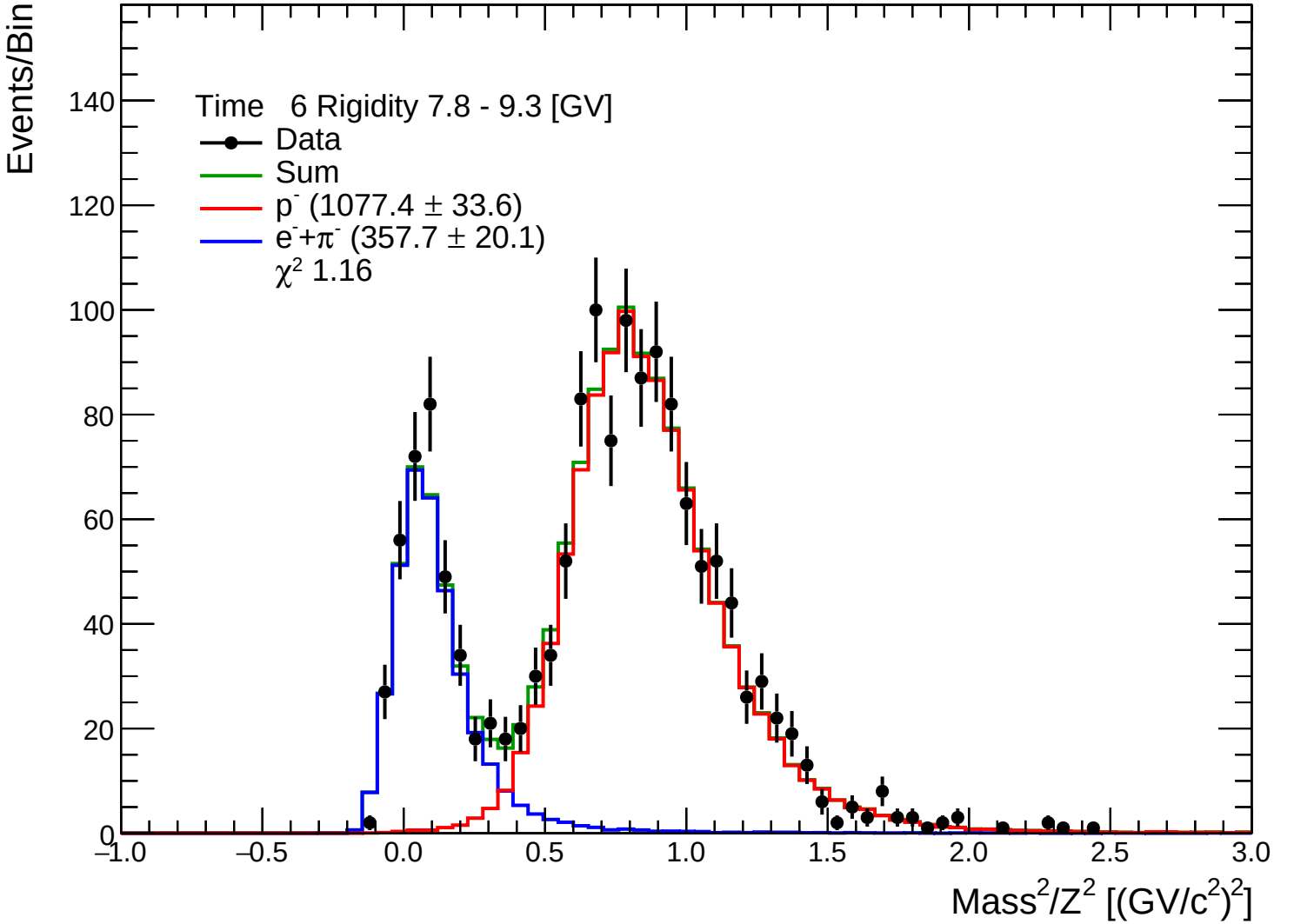

Events/Bin
400
350
300
250
200
150
100
50
0
765
770
775
780
785
790
Number [Temp 0]

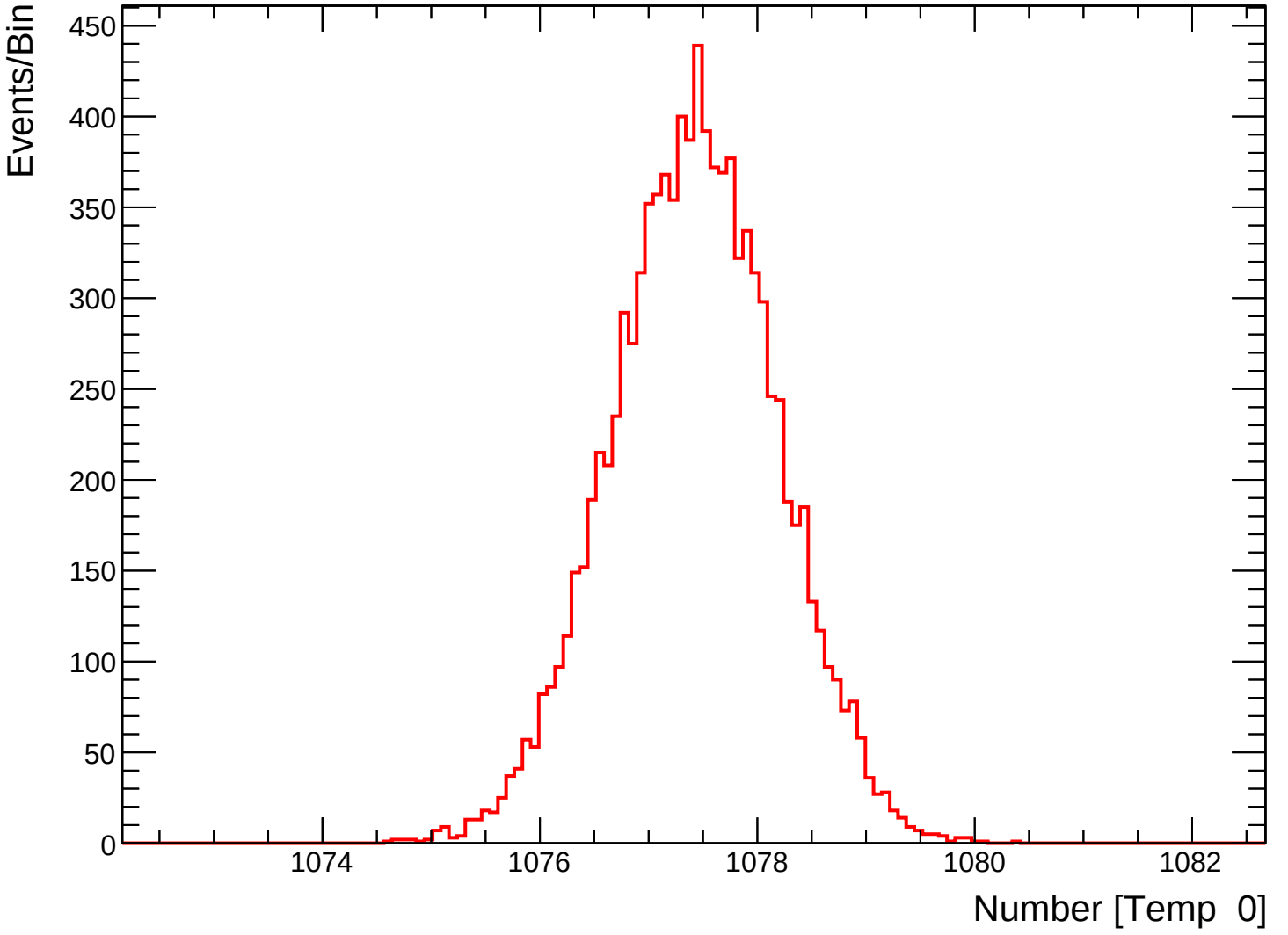

Time 6 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (1051.1± 33.8)
e⁻+π⁻ (25.5 ± 10.2)
χ² 1.03
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

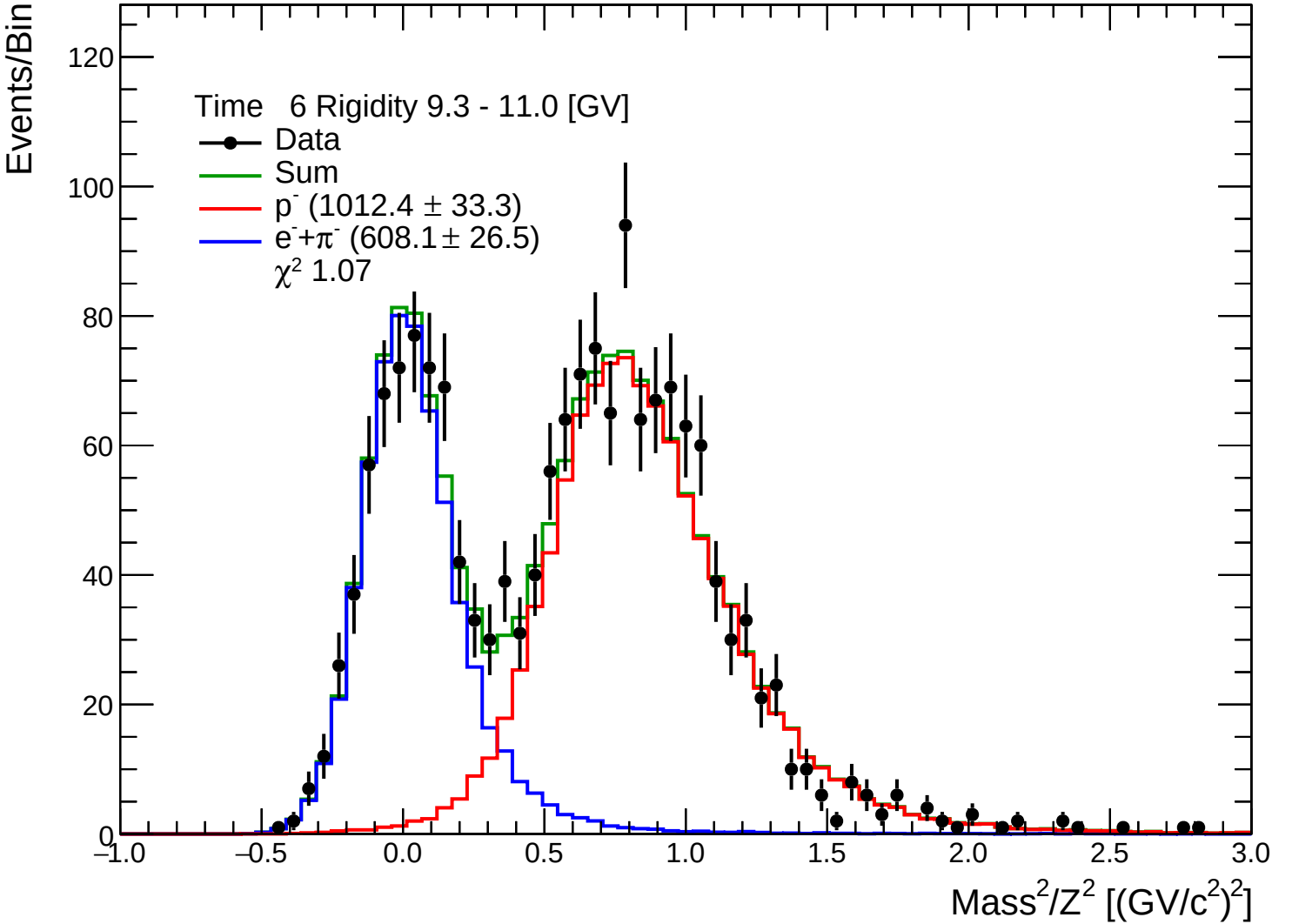

Events/Bin
400
350
300
250
200
150
100
50
0
1042
1044
1046
1048
1050
1052
1054
1056
1058
1060
1062
Number [Temp 0]

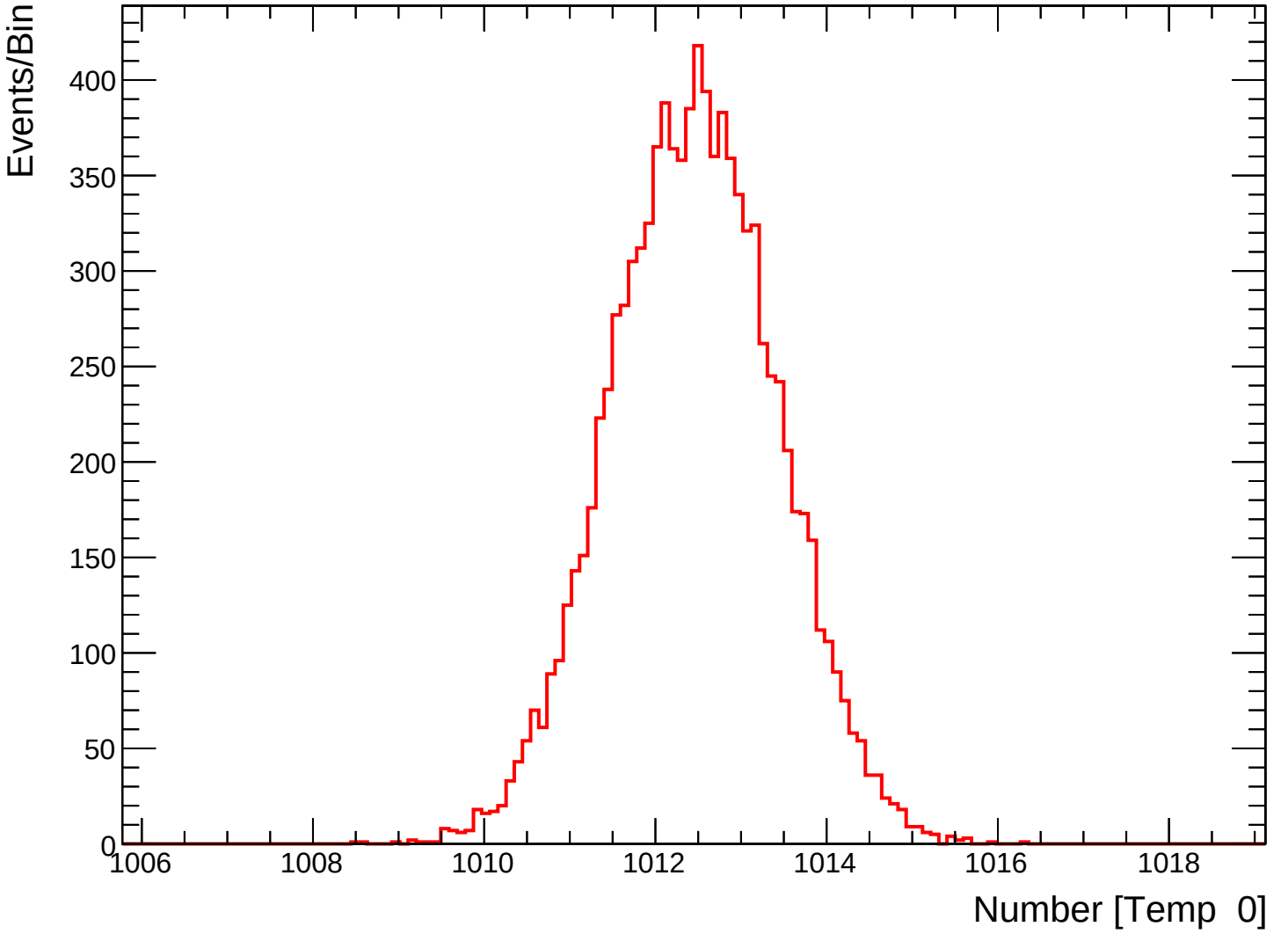

Time 6 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1078.9 ± 33.5)
e⁻+π⁻ (86.4 ± 10.8)
χ² 0.92
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

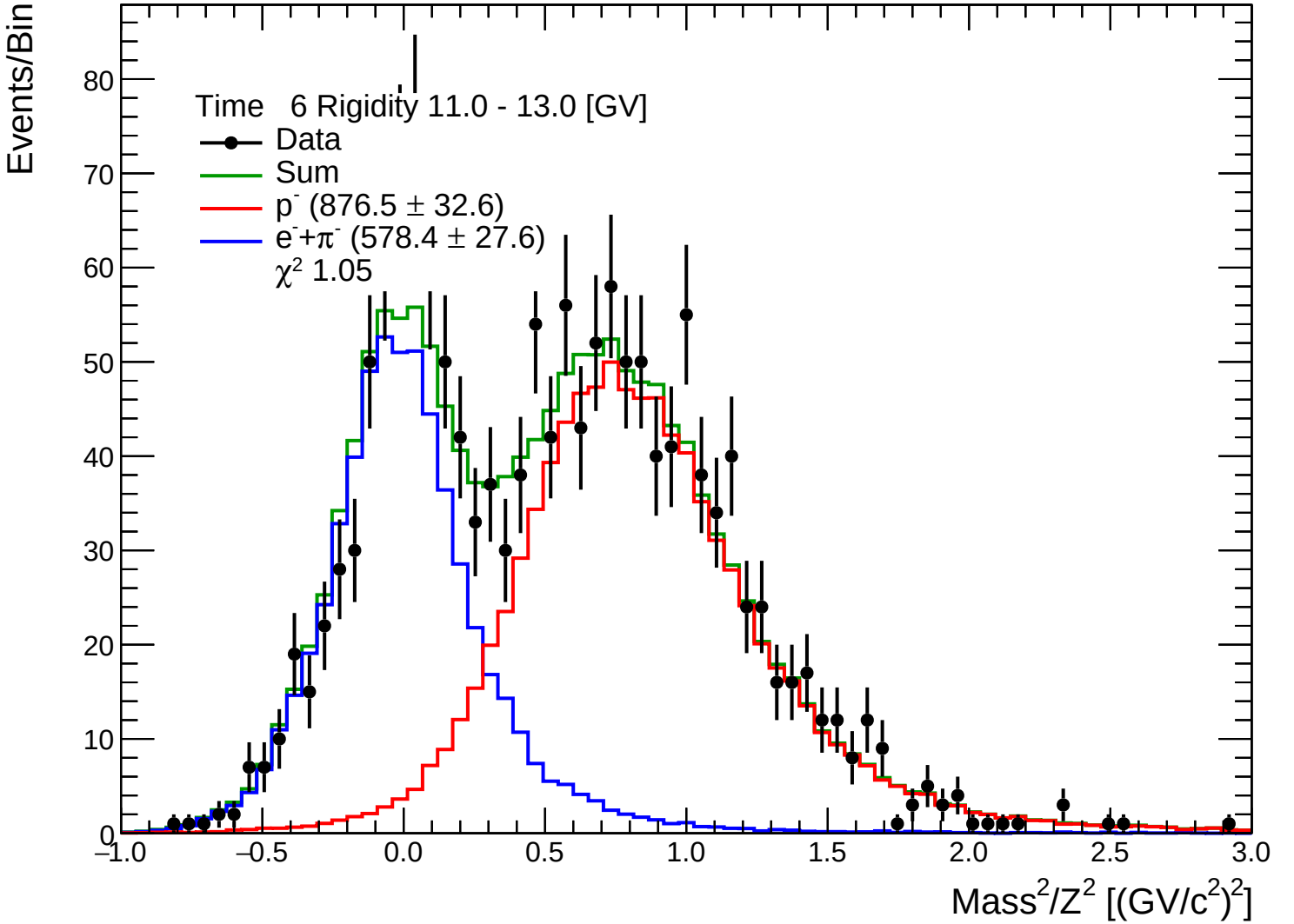

Events/Bin
400
350
300
250
200
150
100
50
0
1074
1076
1078
1080
1082
1084
Number [Temp 0]

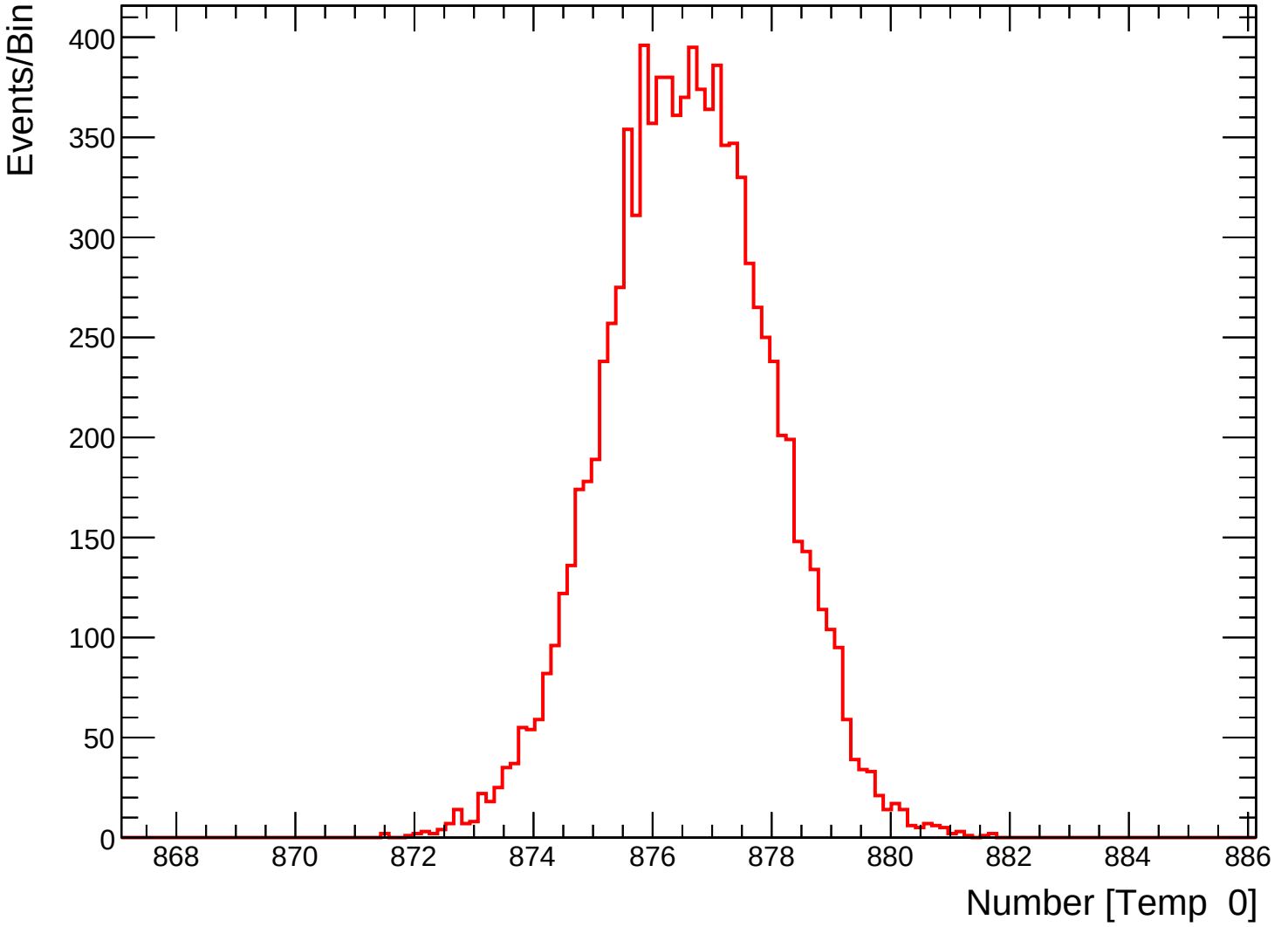

Events/Bin
Time 6 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1077.4 ± 33.6)
e⁻+π⁻ (357.7 ± 20.1)
χ² 1.16
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Mass²/Z² [(GV/c²)²]

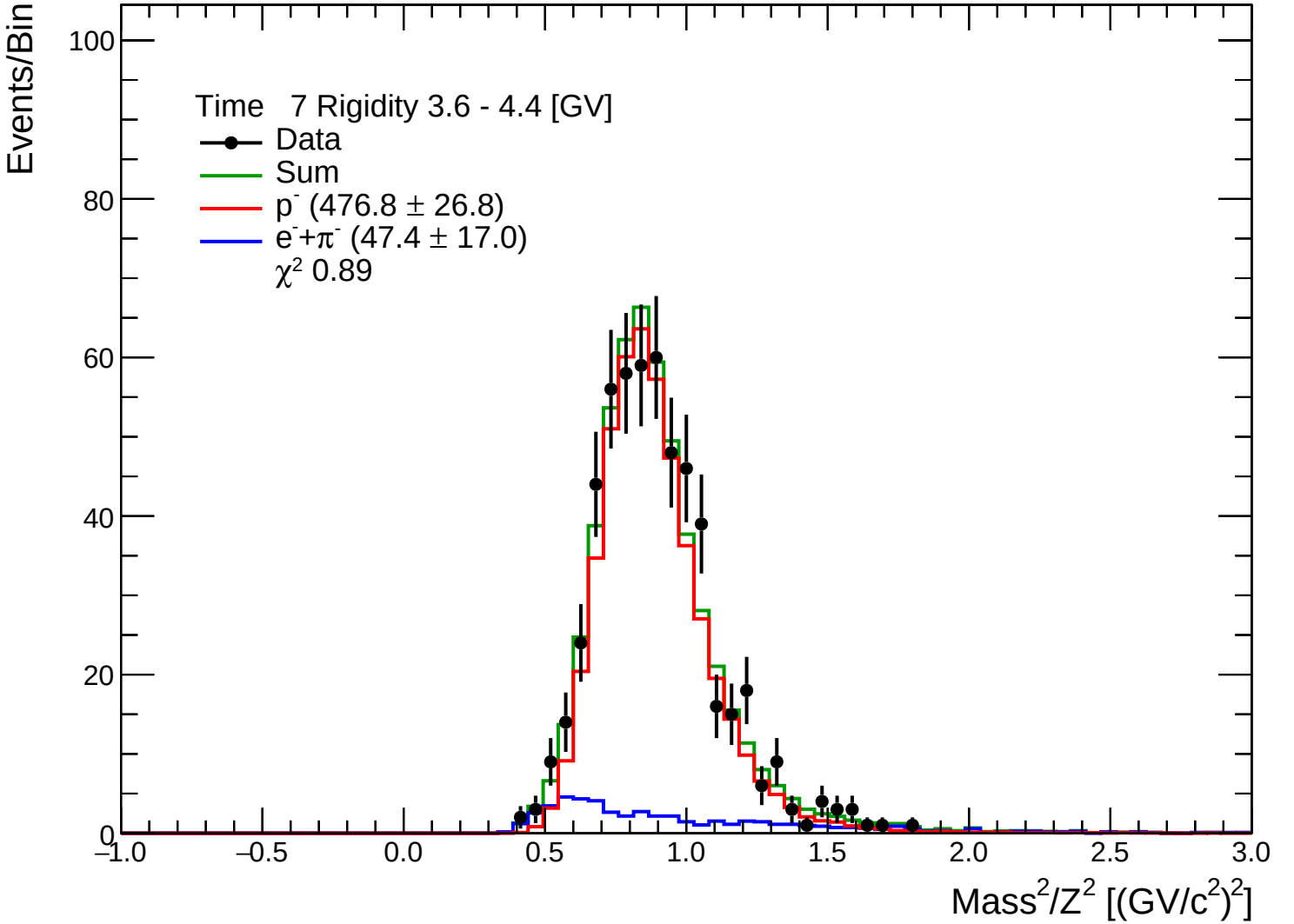

Events/Bin
450
400
350
300
250
200
150
100
50
0
1074
1076
1078
1080
1082
Number [Temp 0]

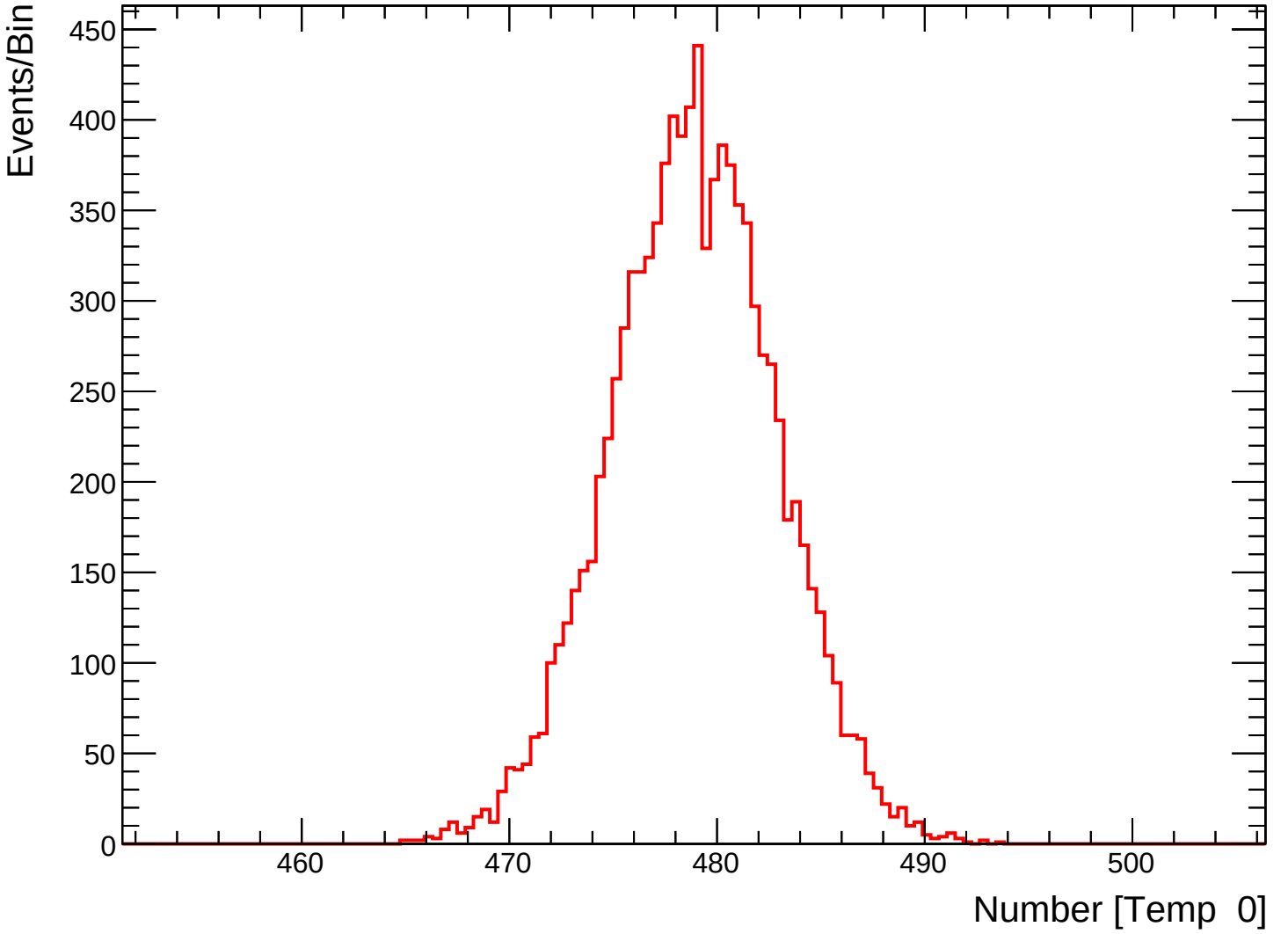

Time 6 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (1012.4 ± 33.3)
e⁻+π⁻ (608.1 ± 26.5)
χ² 1.07
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

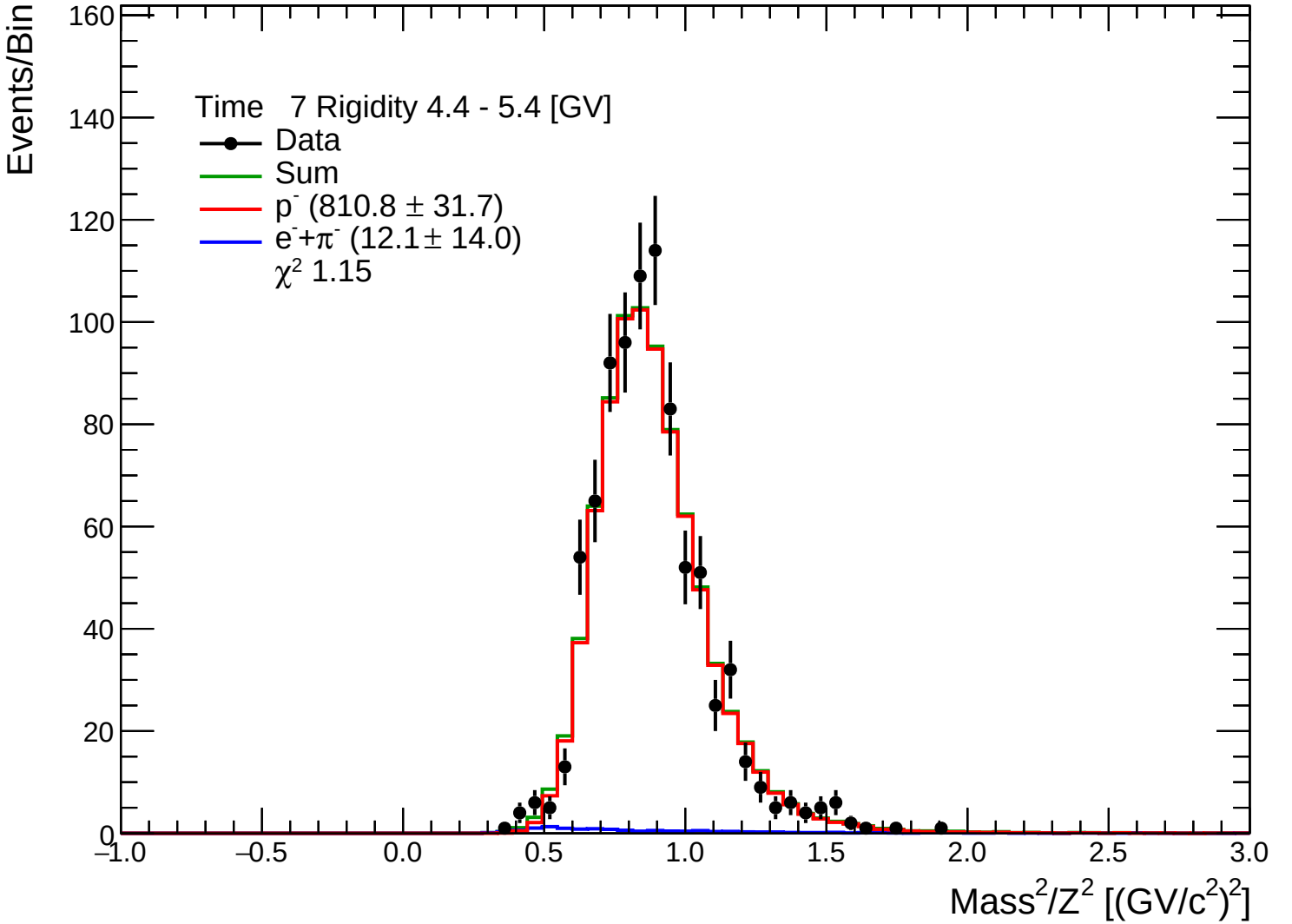

Events/Bin
400
350
300
250
200
150
100
50
0
1006
1008
1010
1012
1014
1016
1018
Number [Temp 0]

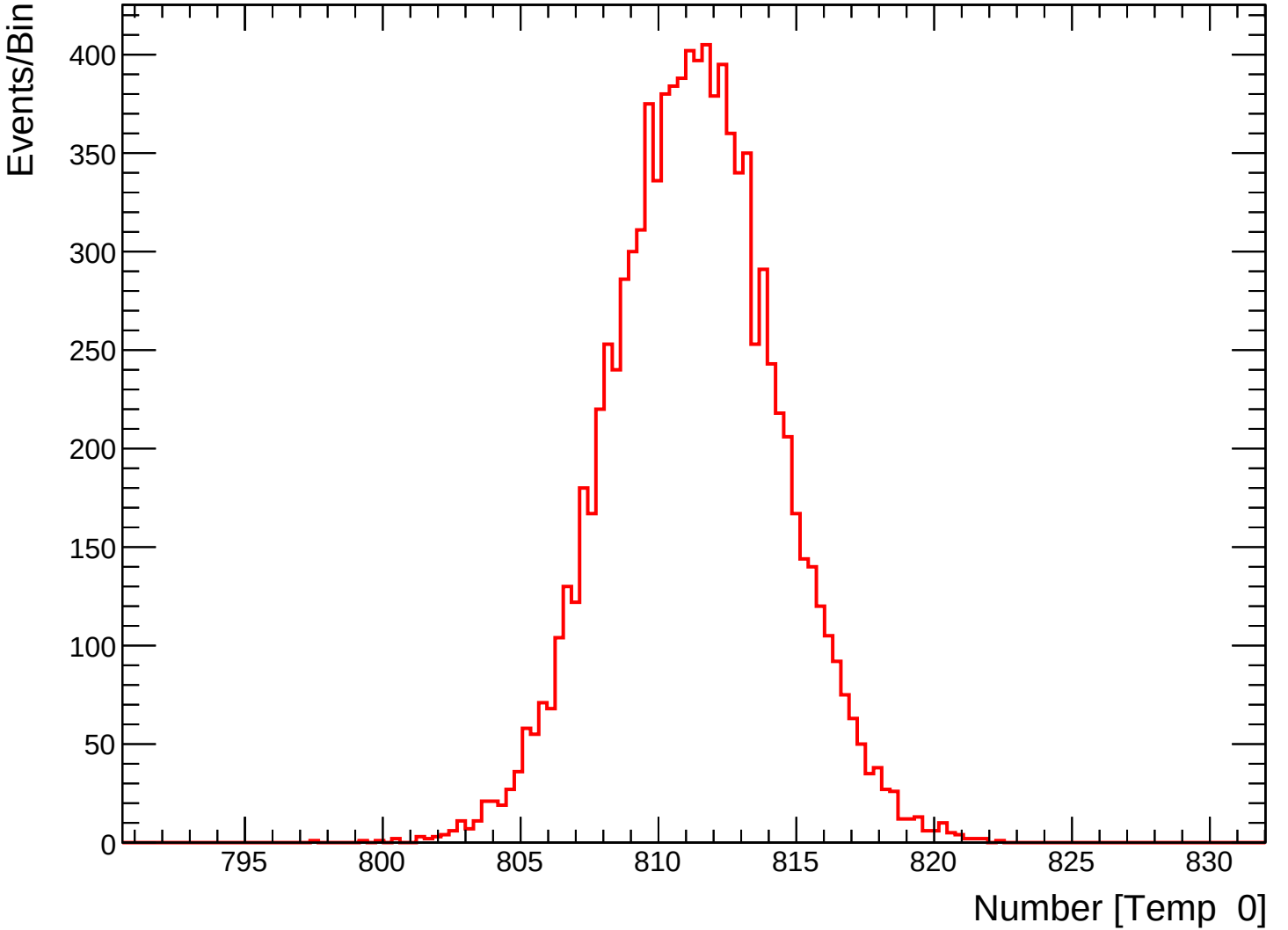

Time 6 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (876.5 ± 32.6)
e⁻+π⁻ (578.4 ± 27.6)
χ² 1.05
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

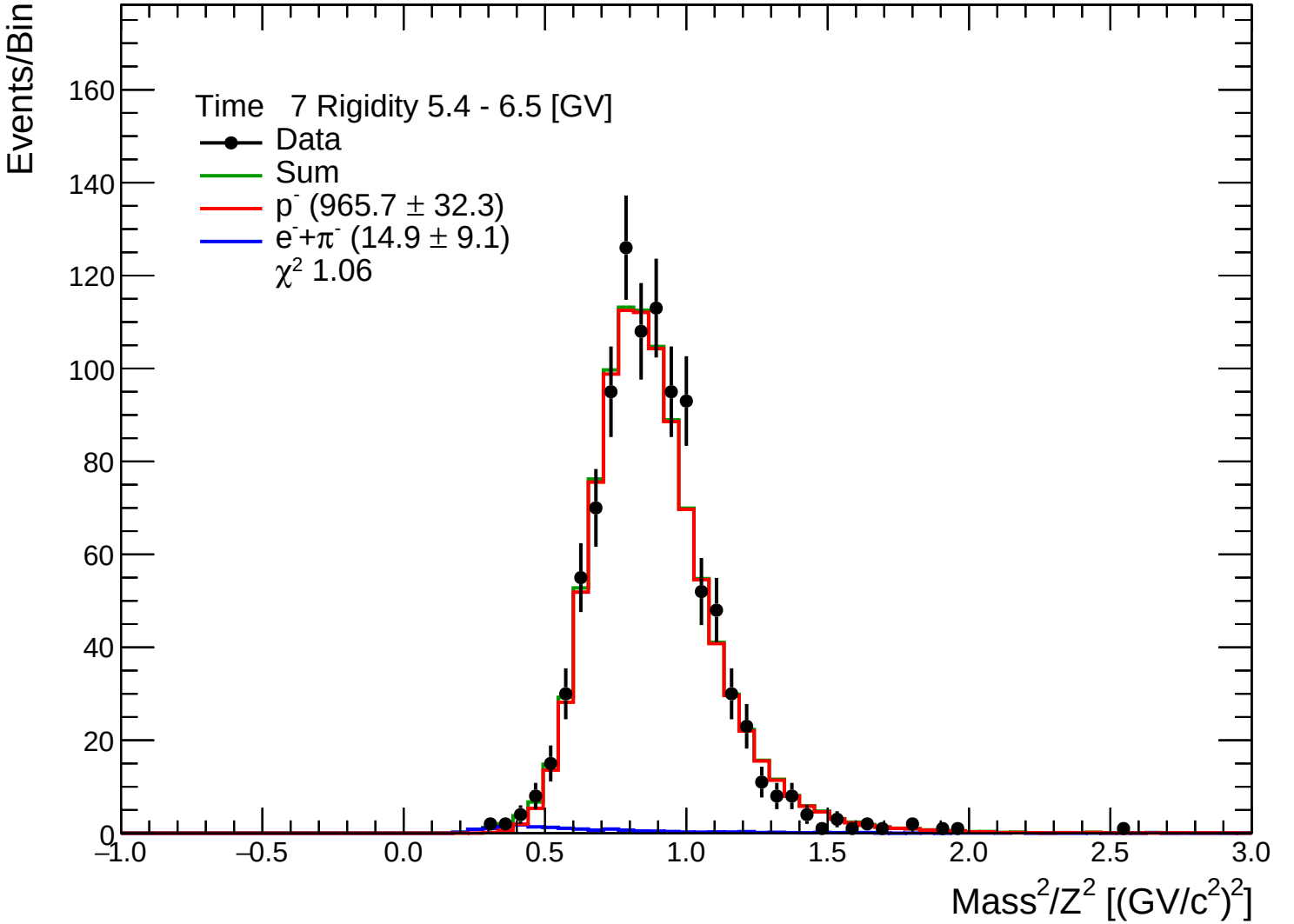

Events/Bin
400
350
300
250
200
150
100
50
0
868
870
872
874
876
878
880
882
884
886
Number [Temp 0]

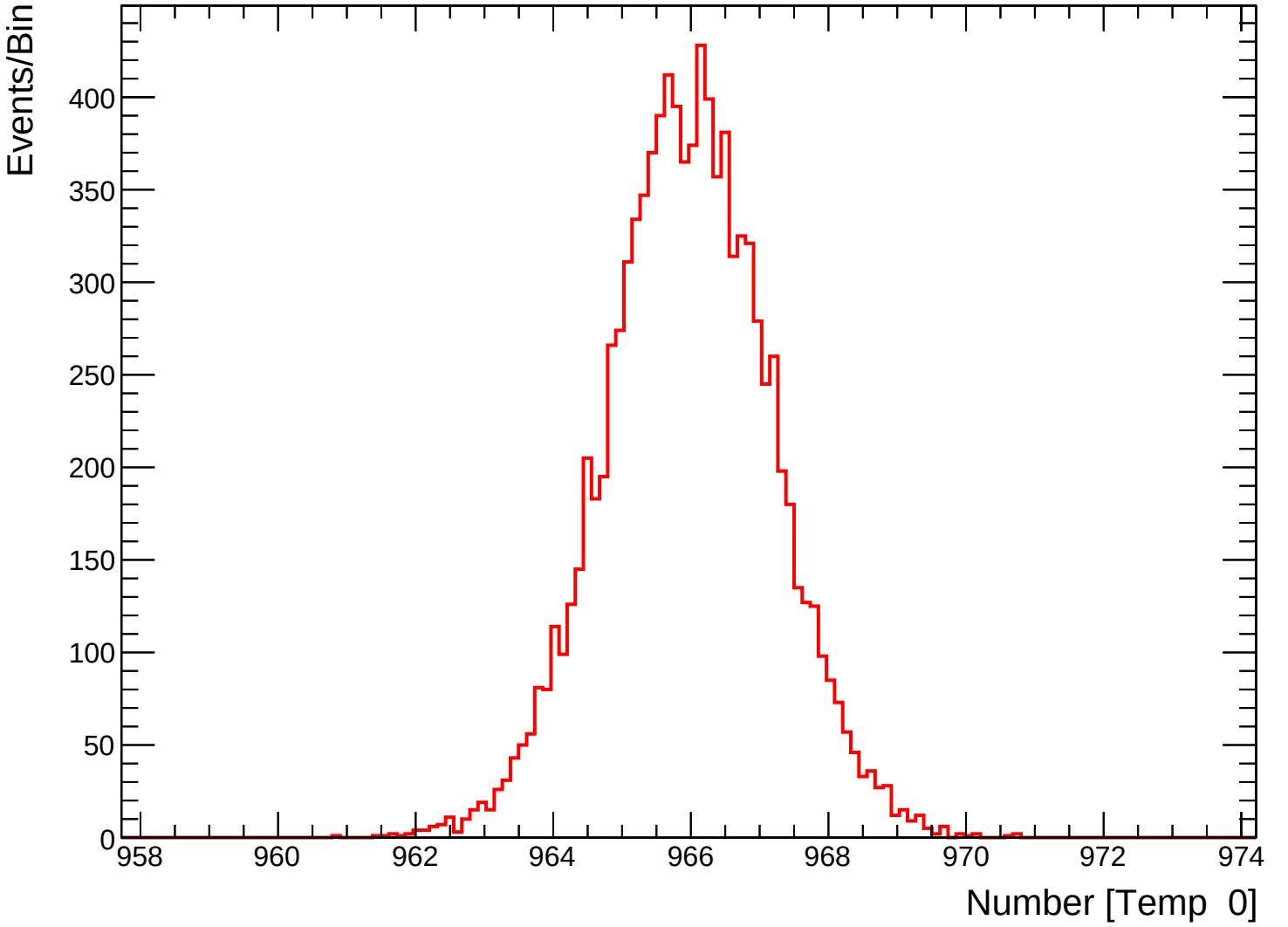

Time 7 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (476.8 ± 26.8)
e⁻+π⁻ (47.4 ± 17.0)
χ² 0.89
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

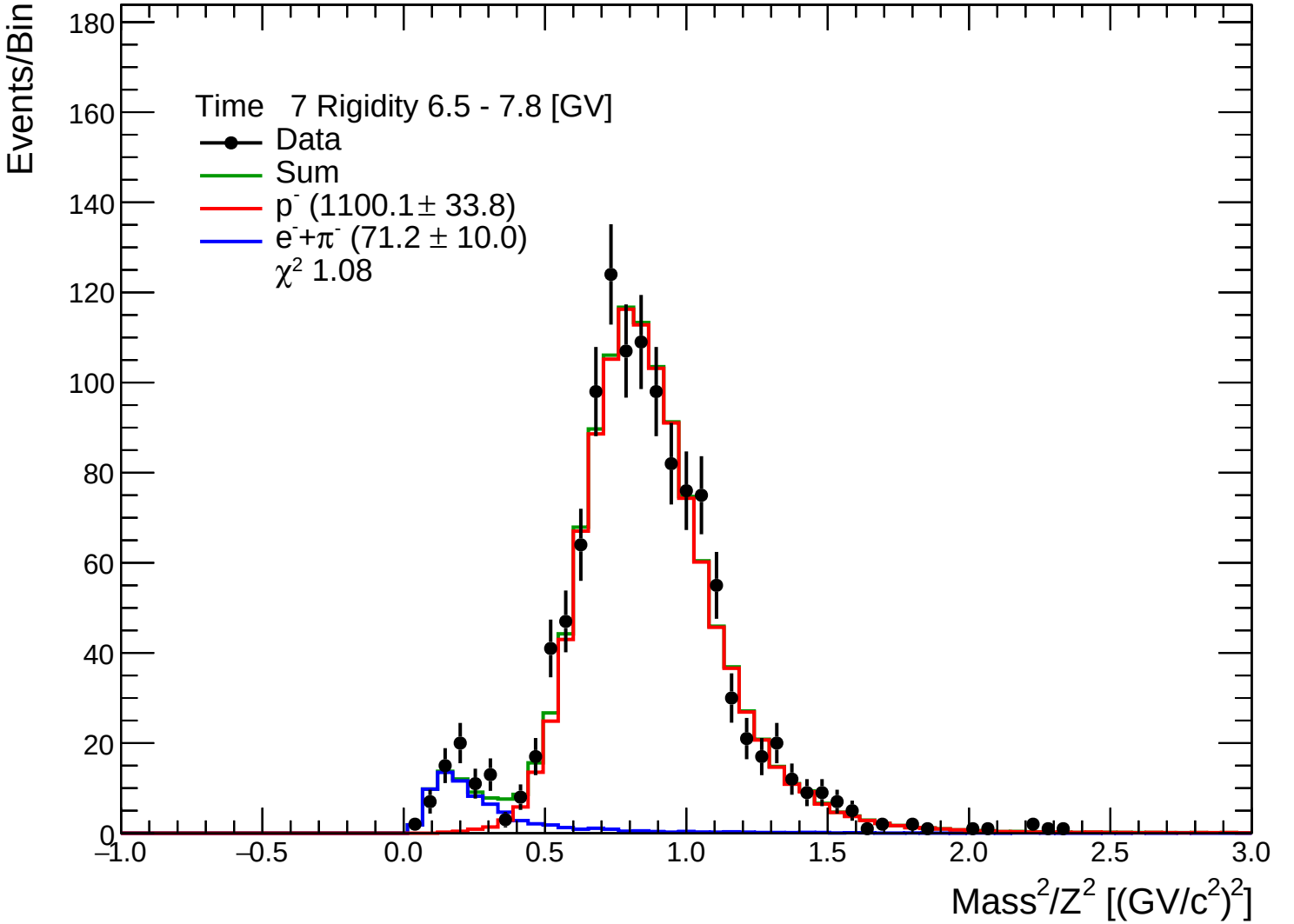

Events/Bin
450
400
350
300
250
200
150
100
50
0
460
470
480
490
500
Number [Temp 0]

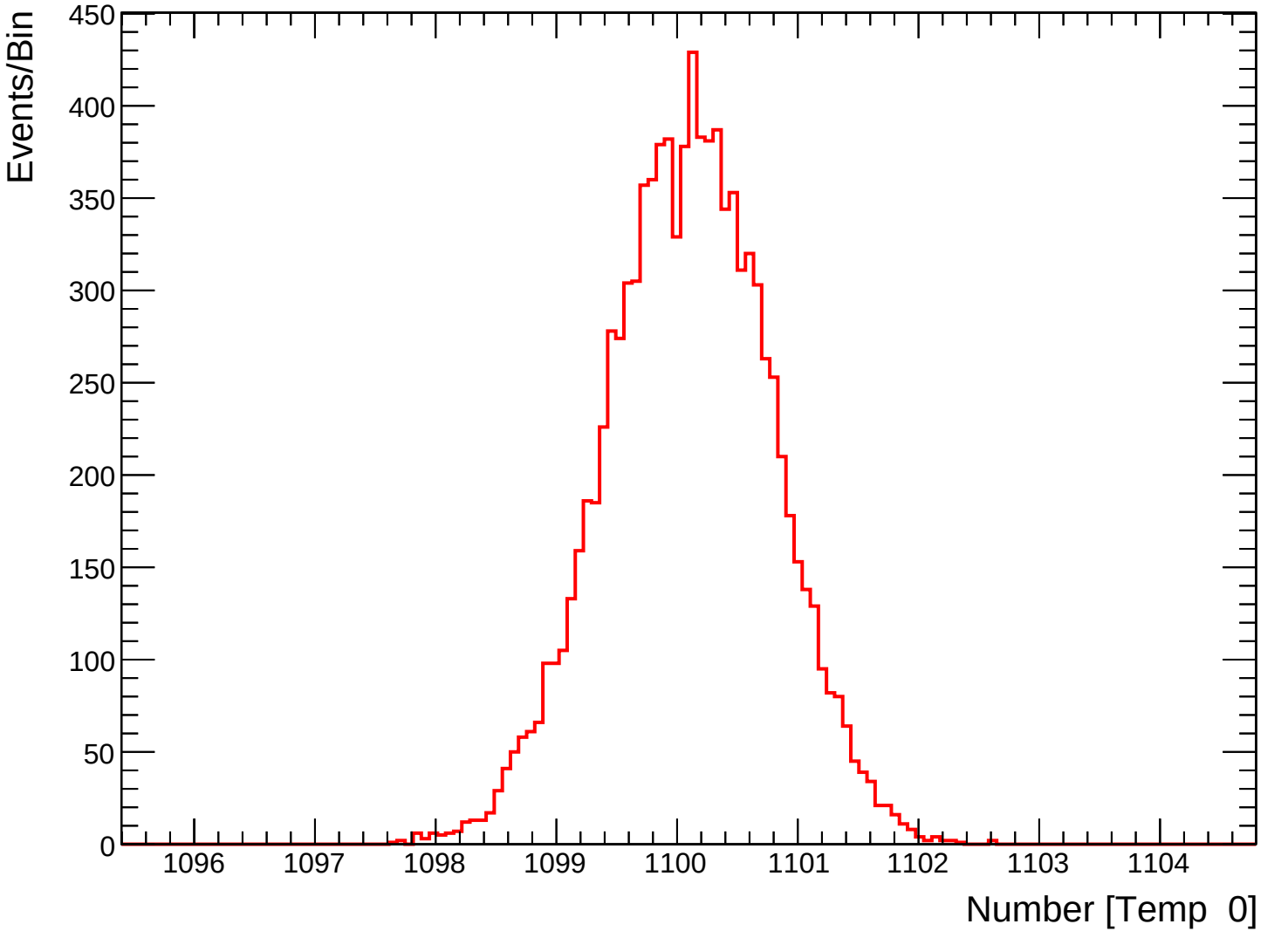

Time 7 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (810.8 ± 31.7)
e⁻+π⁻ (12.1± 14.0)
χ² 1.15
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

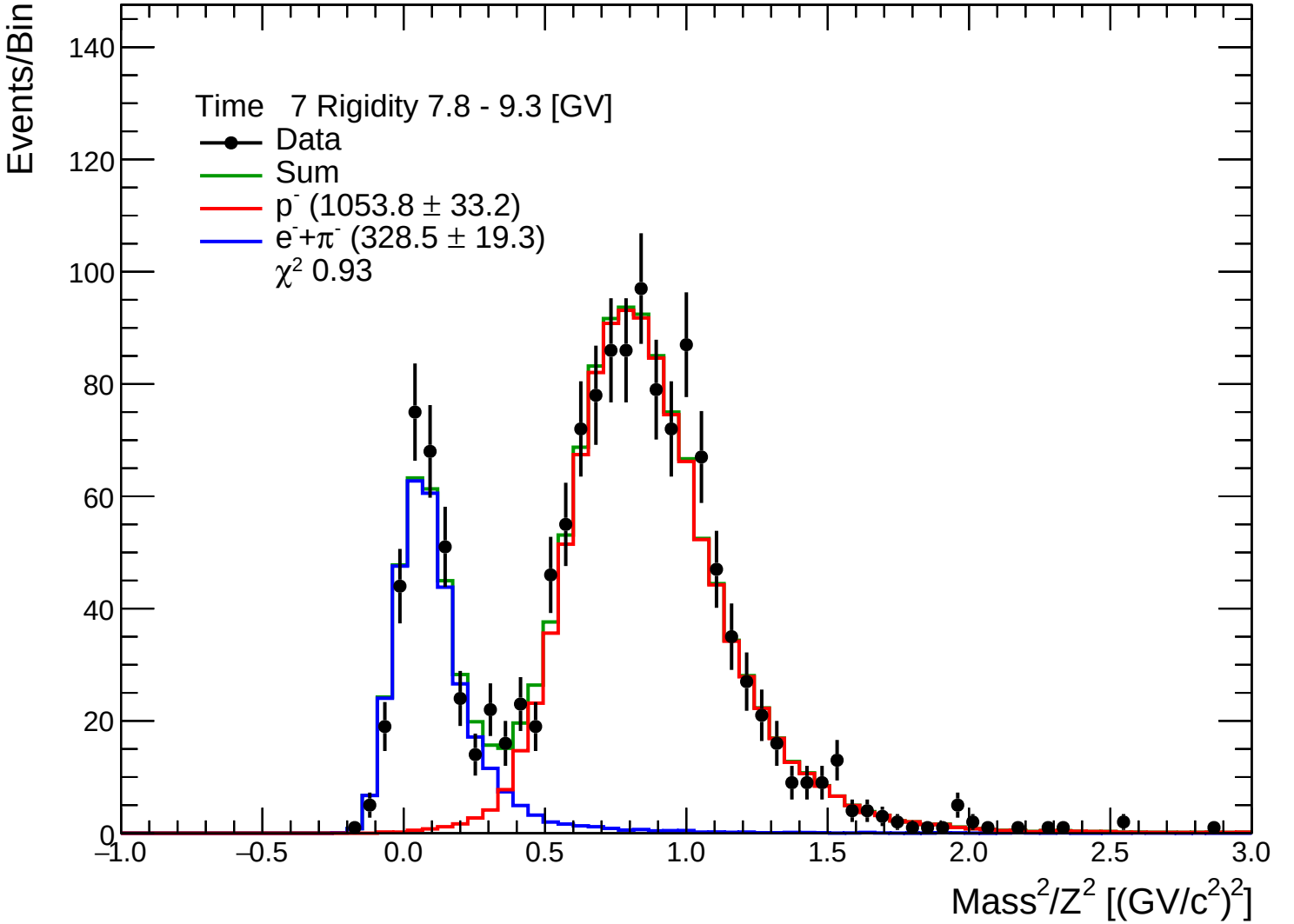

Events/Bin
400
350
300
250
200
150
100
50
0
795
800
805
810
815
820
825
830
Number [Temp 0]

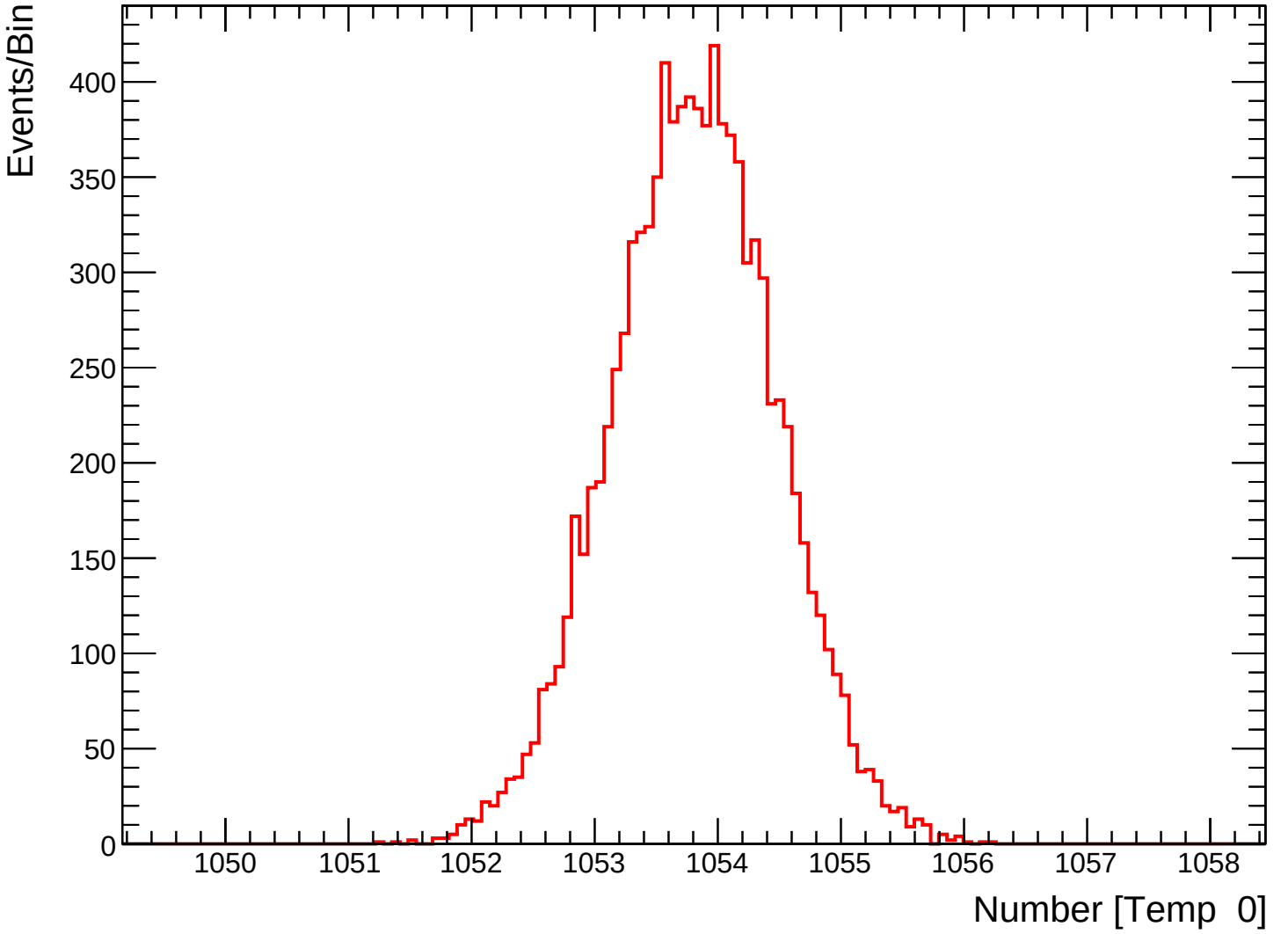

Time 7 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (965.7 ± 32.3)
e⁻+π⁻ (14.9 ± 9.1)
χ² 1.06
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

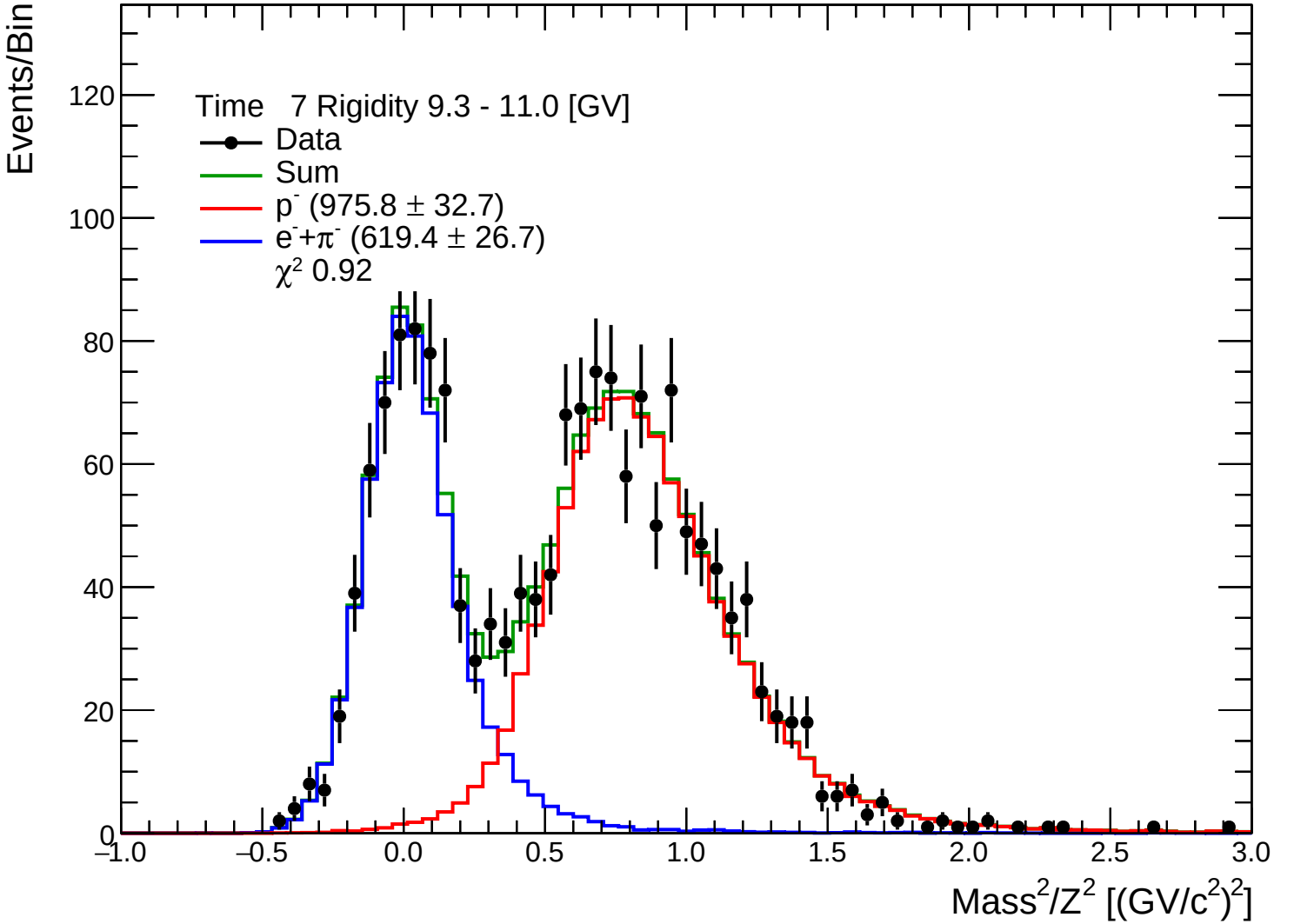

Events/Bin
400
350
300
250
200
150
100
50
0
958
960
962
964
966
968
970
972
974
Number [Temp 0]

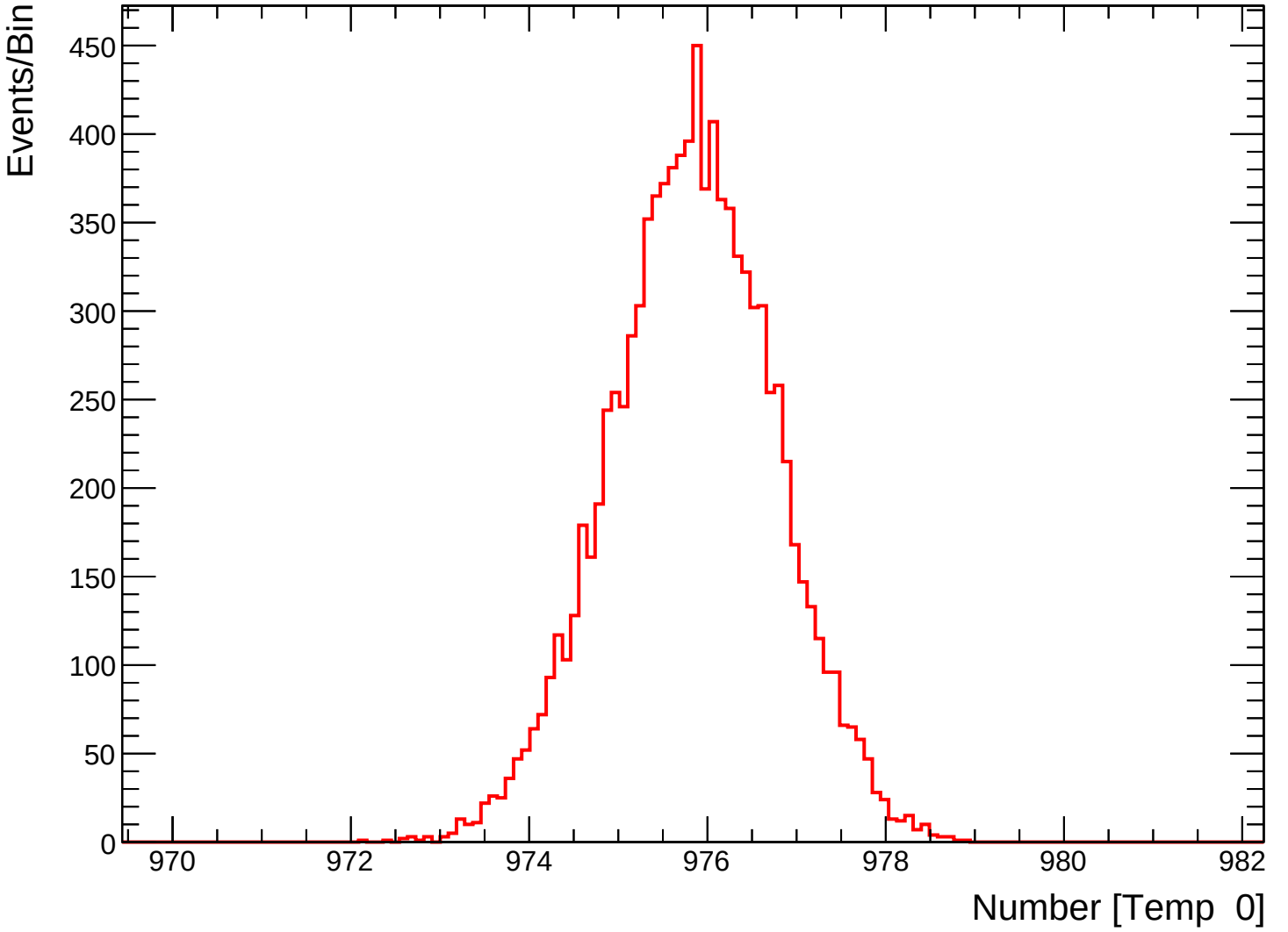

Time 7 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1100.1± 33.8)
e⁻+π⁻ (71.2 ± 10.0)
χ² 1.08
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

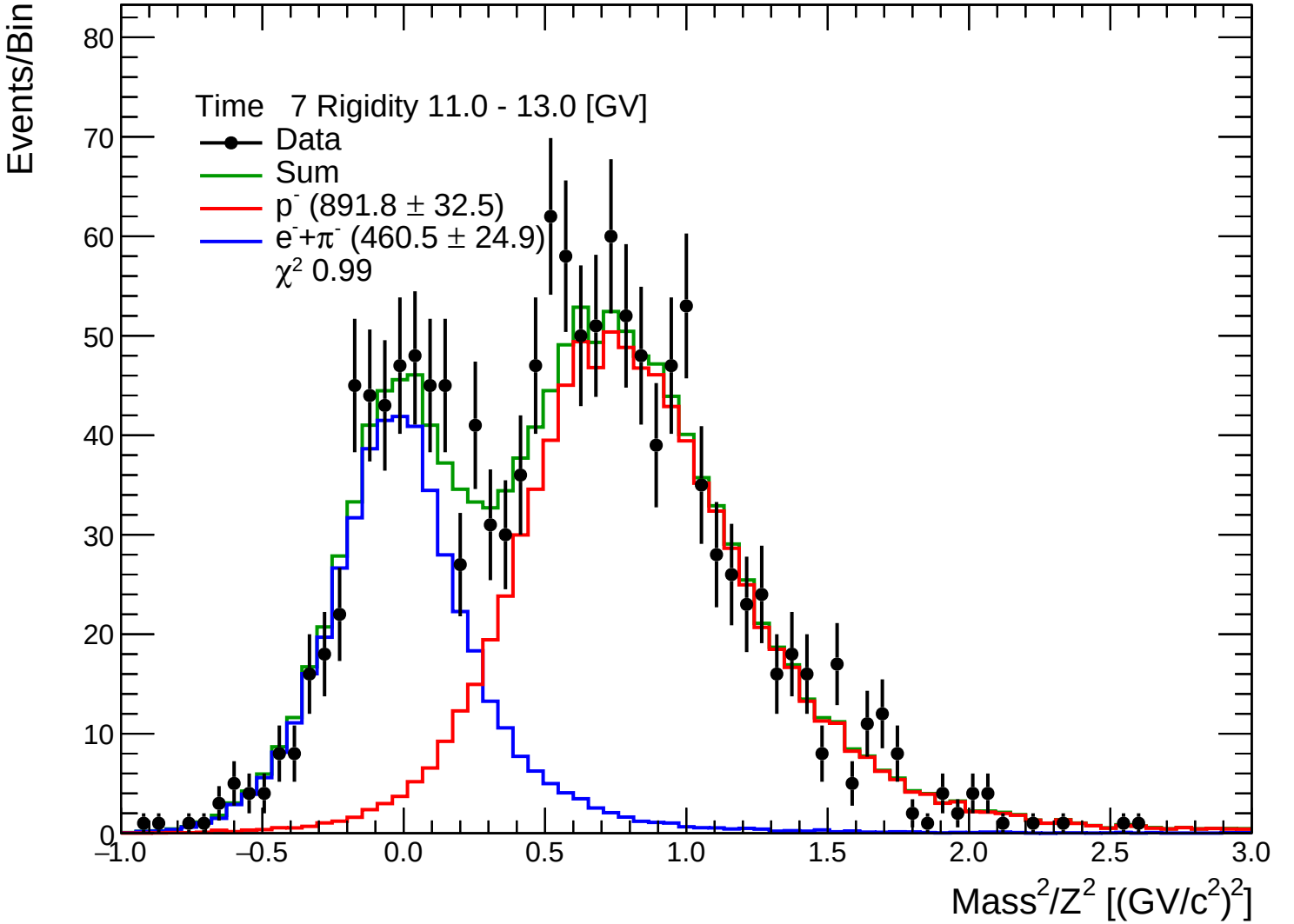

Events/Bin
450
400
350
300
250
200
150
100
50
0
1096
1097
1098
1099
1100
1101
1102
1103
1104
Number [Temp 0]

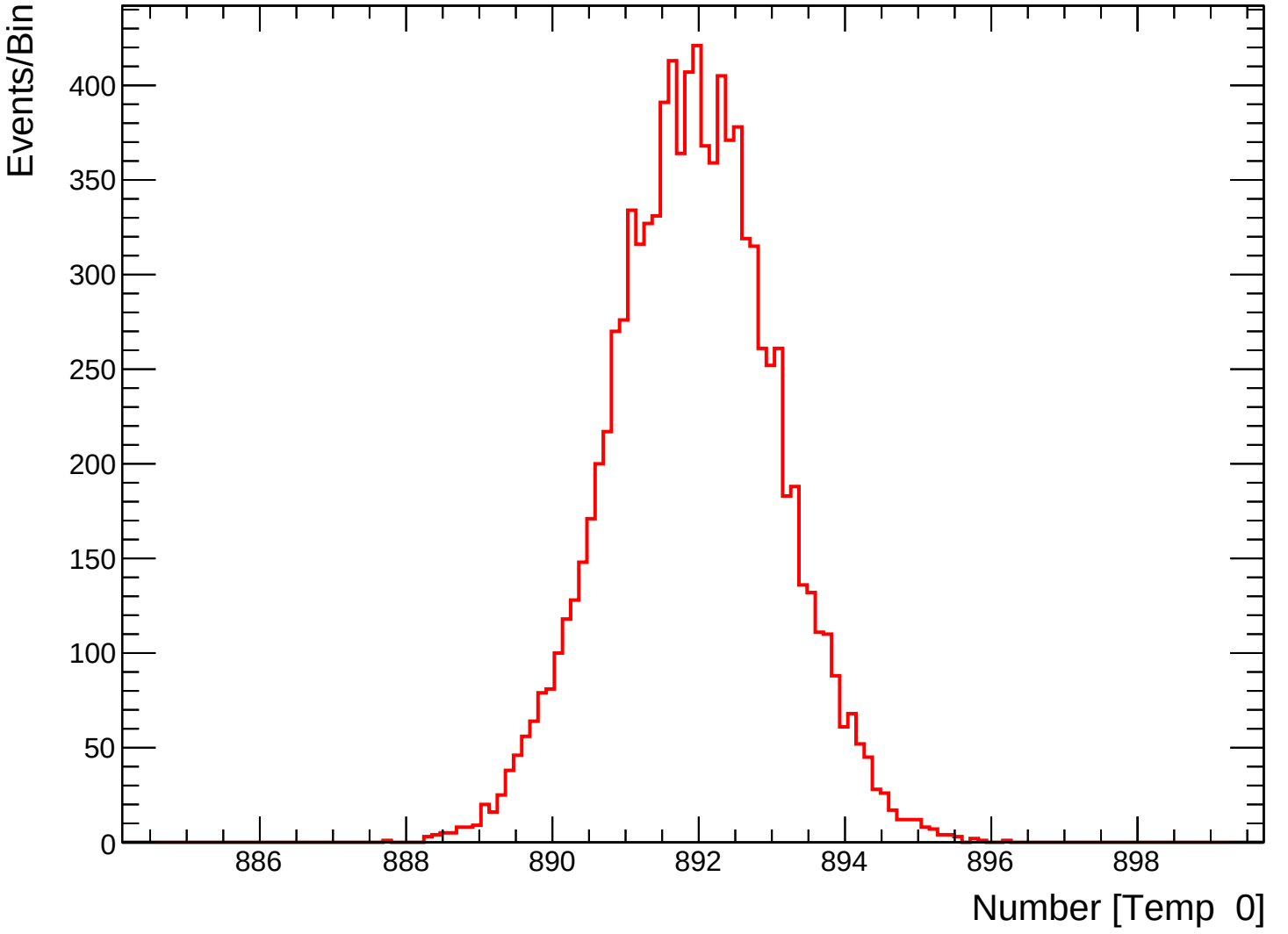

Time 7 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1053.8 ± 33.2)
e⁻+π⁻ (328.5 ± 19.3)
χ² 0.93
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

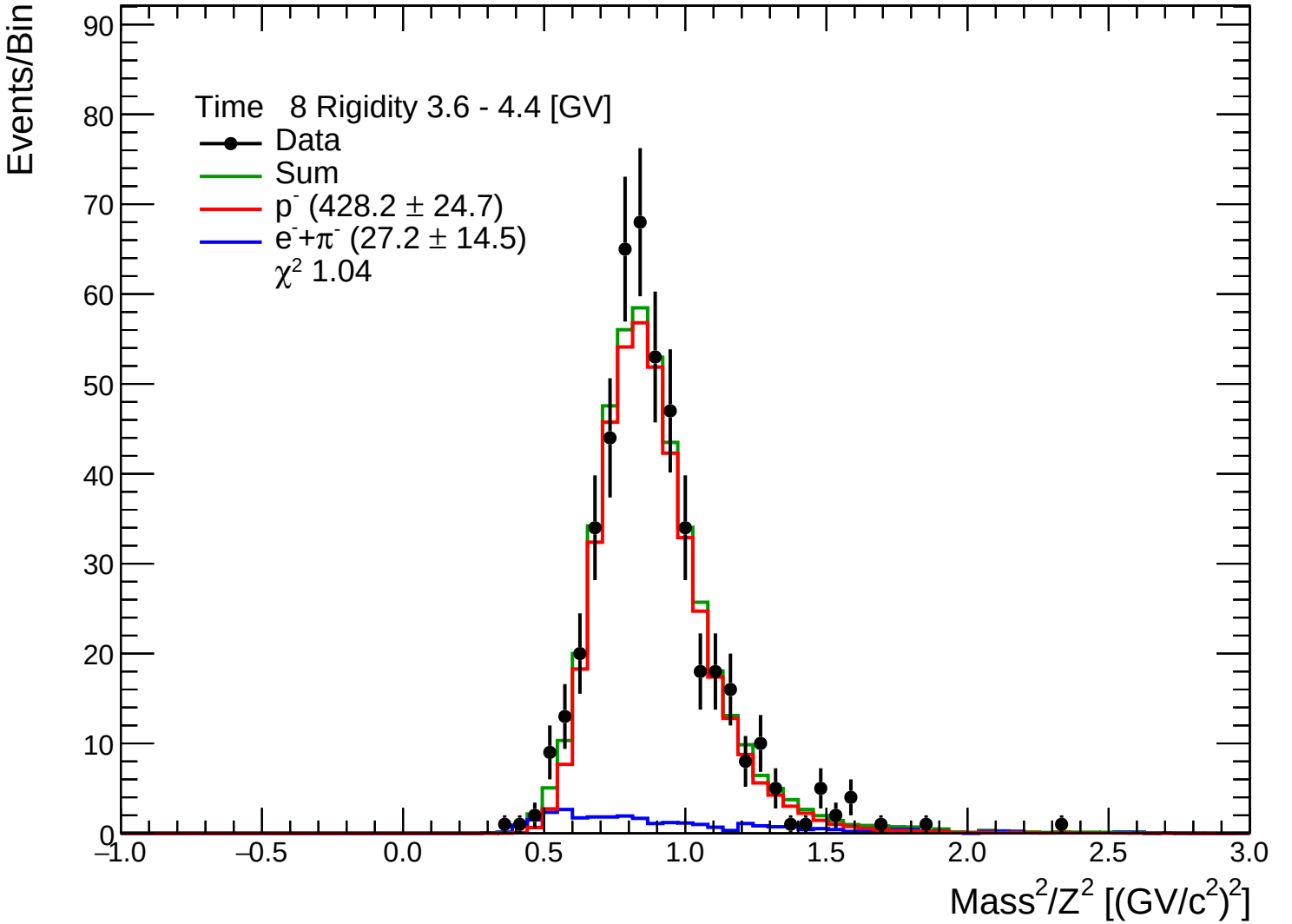

Events/Bin
400
350
300
250
200
150
100
50
0
1050
1051
1052
1053
1054
1055
1056
1057
1058
Number [Temp 0]

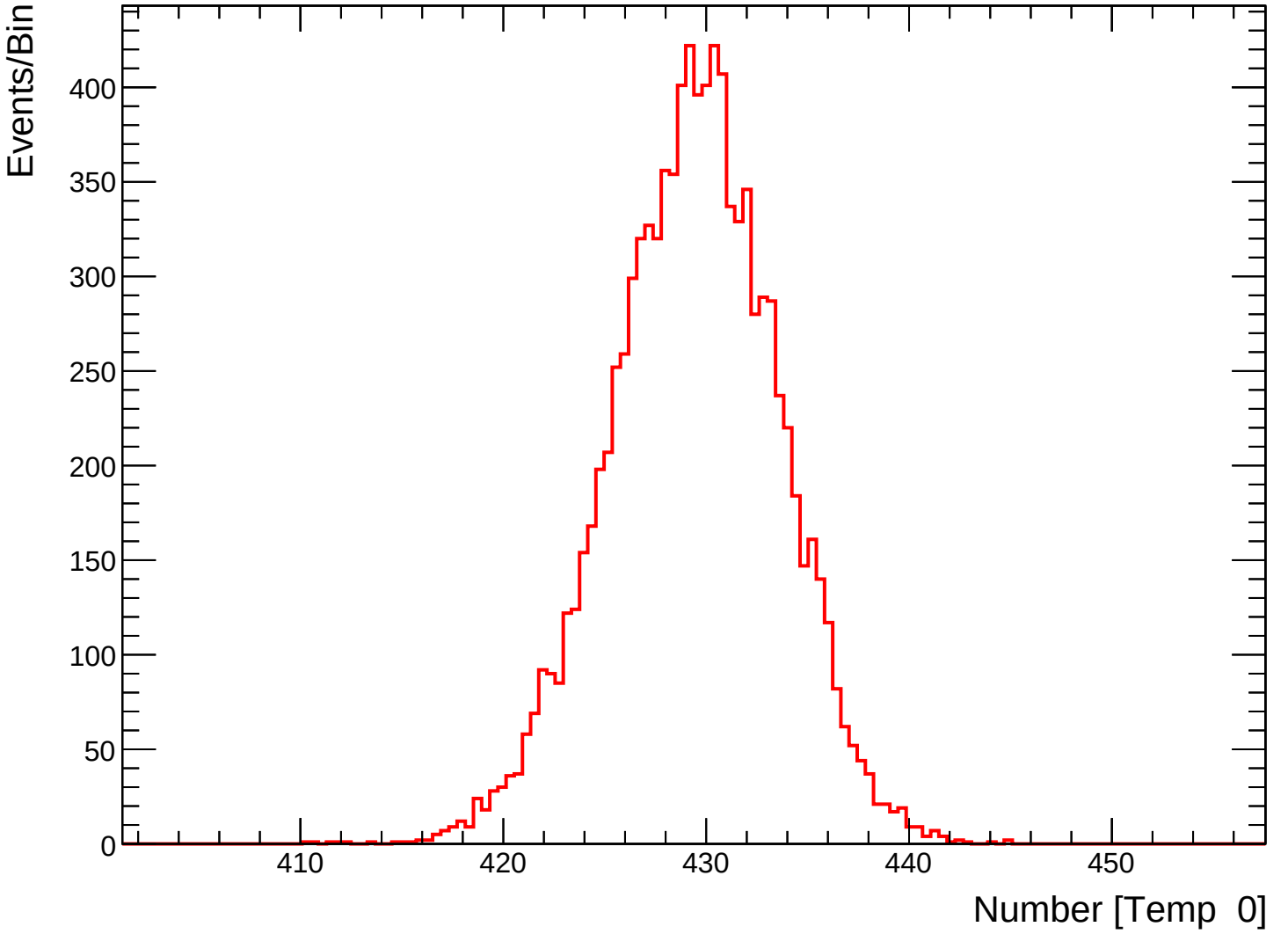

Time 7 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (975.8 ± 32.7)
e⁻+π⁻ (619.4 ± 26.7)
χ² 0.92
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

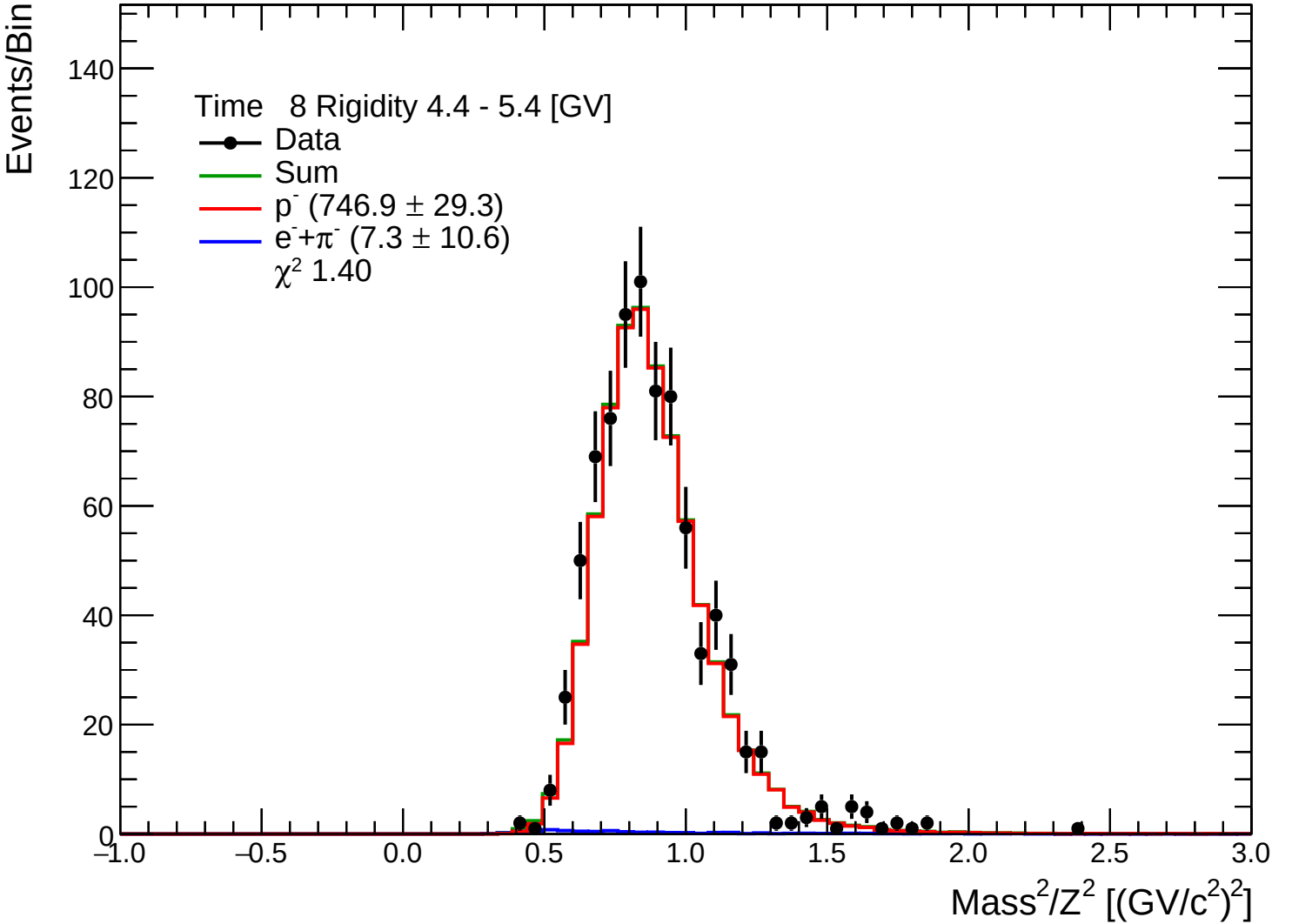

Events/Bin
450
400
350
300
250
200
150
100
50
0
970
972
974
976
978
980
982
Number [Temp 0]

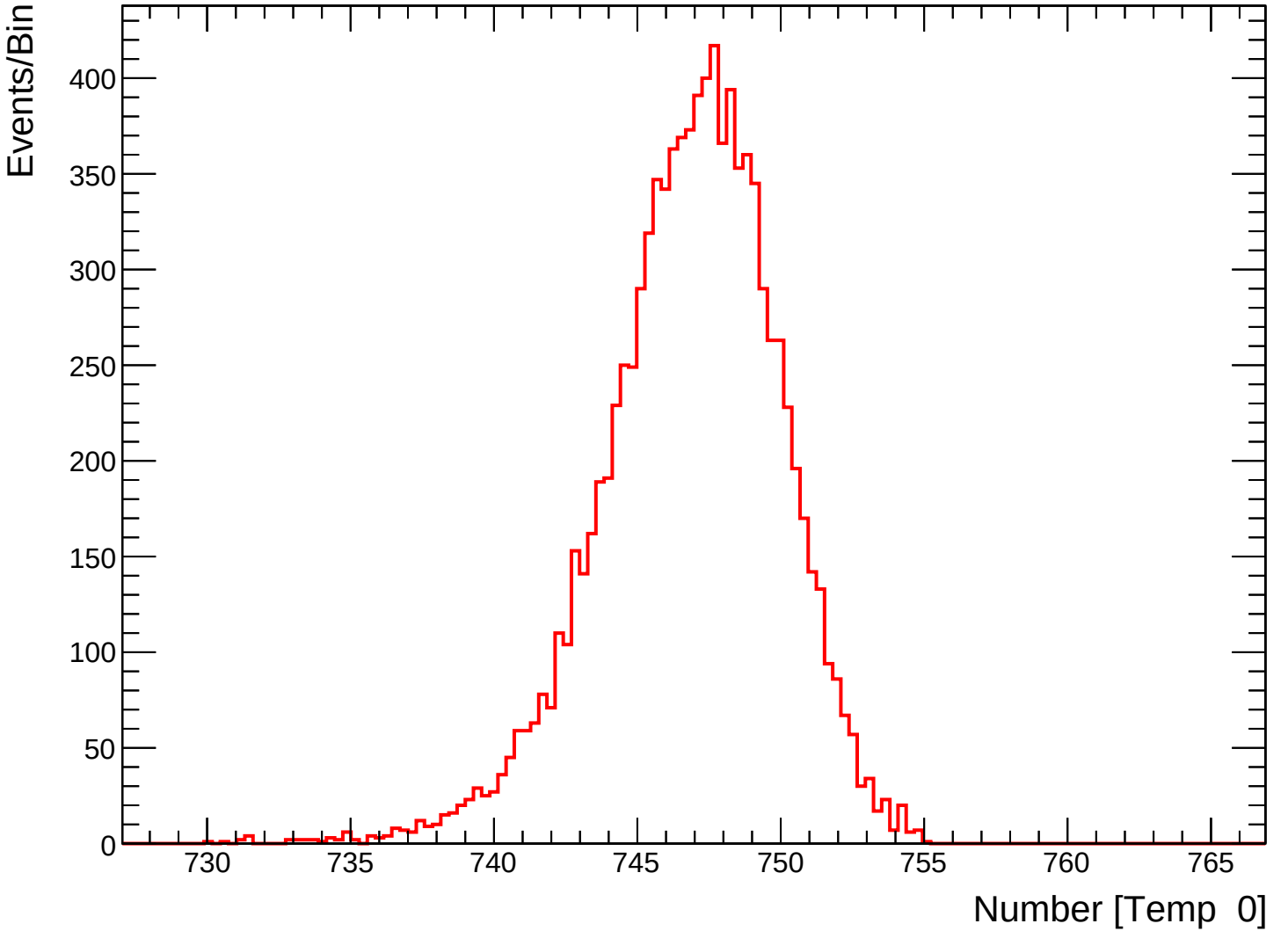

Time 7 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (891.8 ± 32.5)
e⁻+π⁻ (460.5 ± 24.9)
χ² 0.99
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

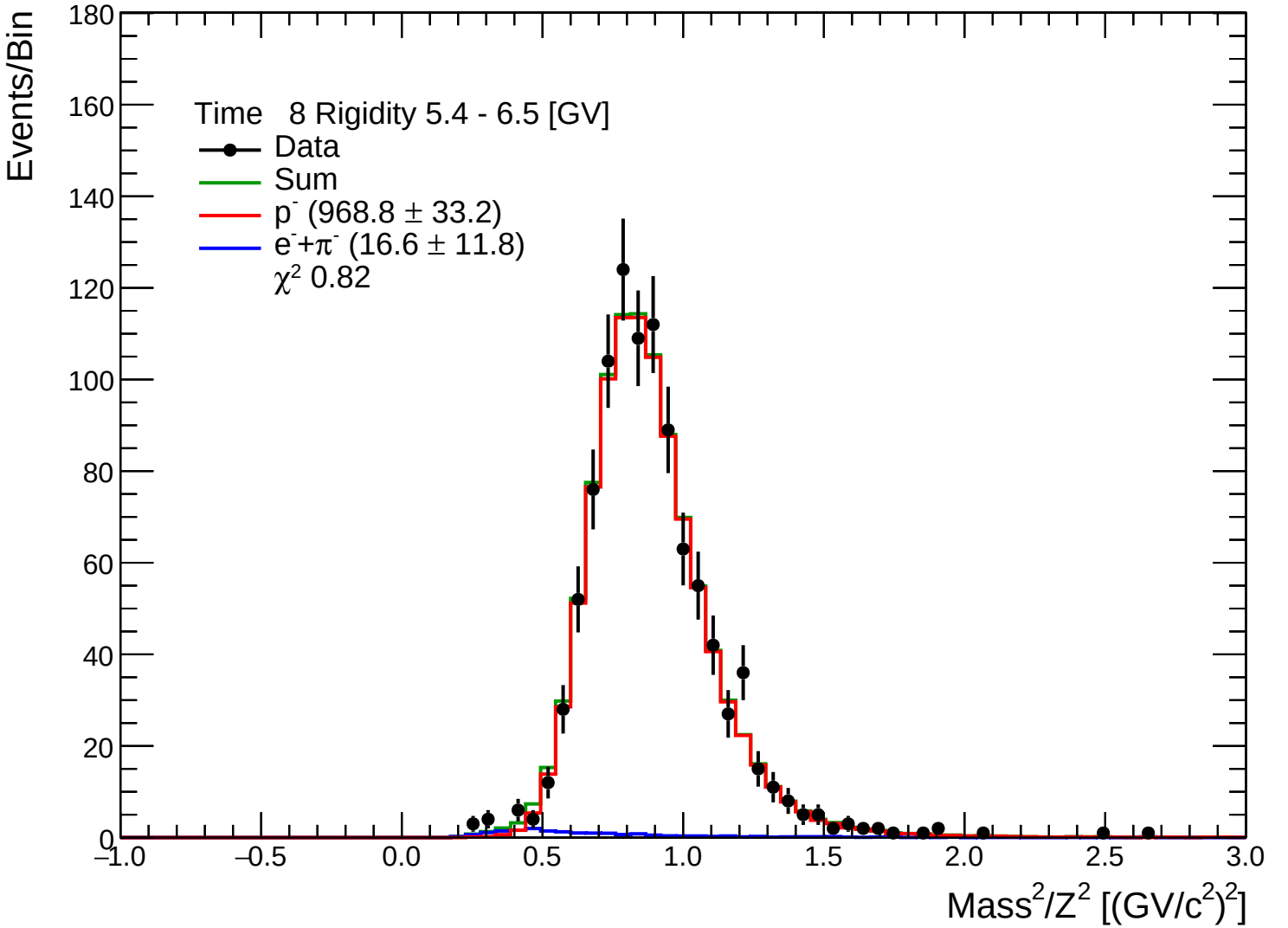

Events/Bin
400
350
300
250
200
150
100
50
0
886
888
890
892
894
896
898
Number [Temp 0]

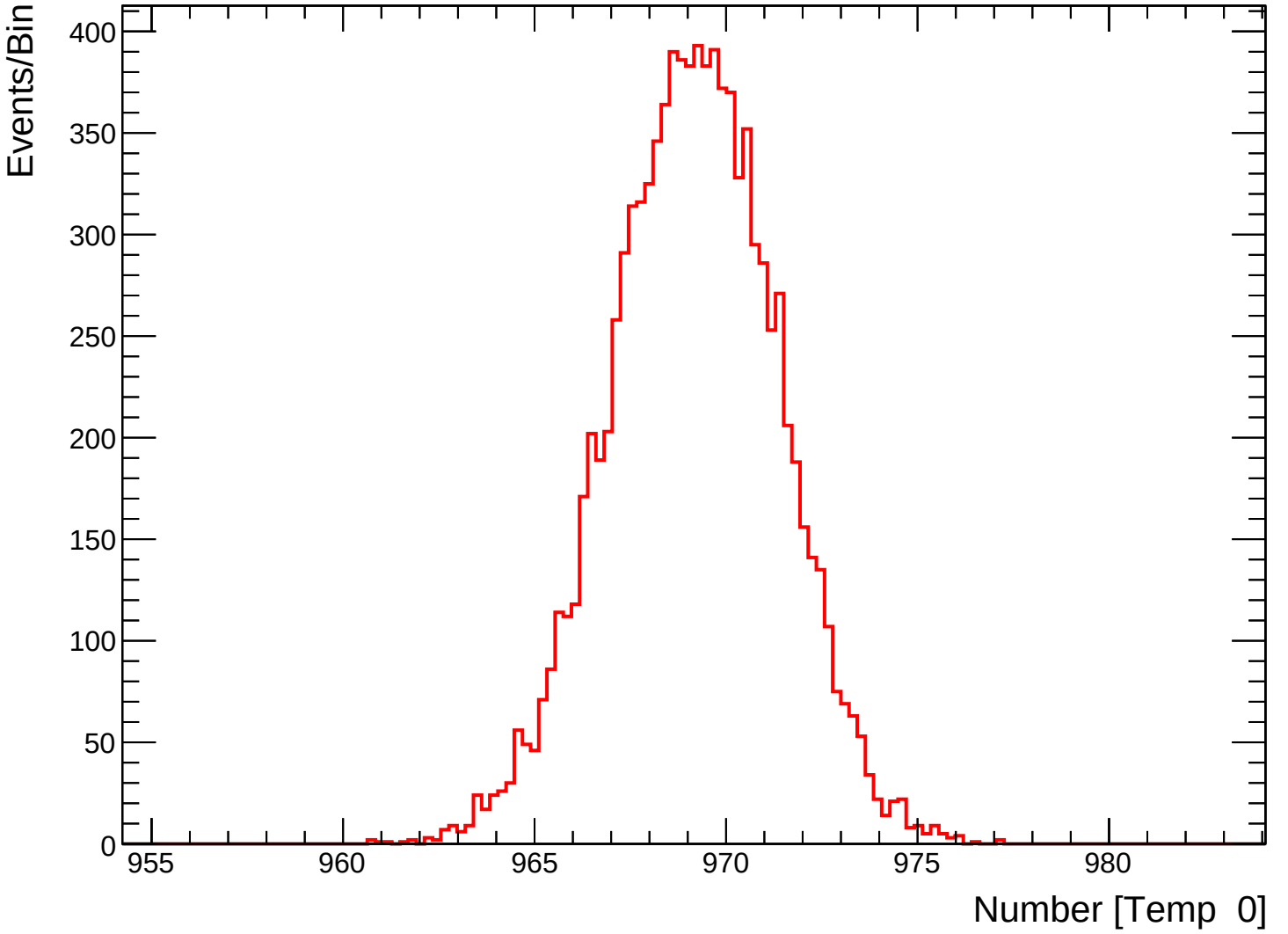

Time 8 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (428.2 ± 24.7)
e⁻+π⁻ (27.2 ± 14.5)
χ² 1.04
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

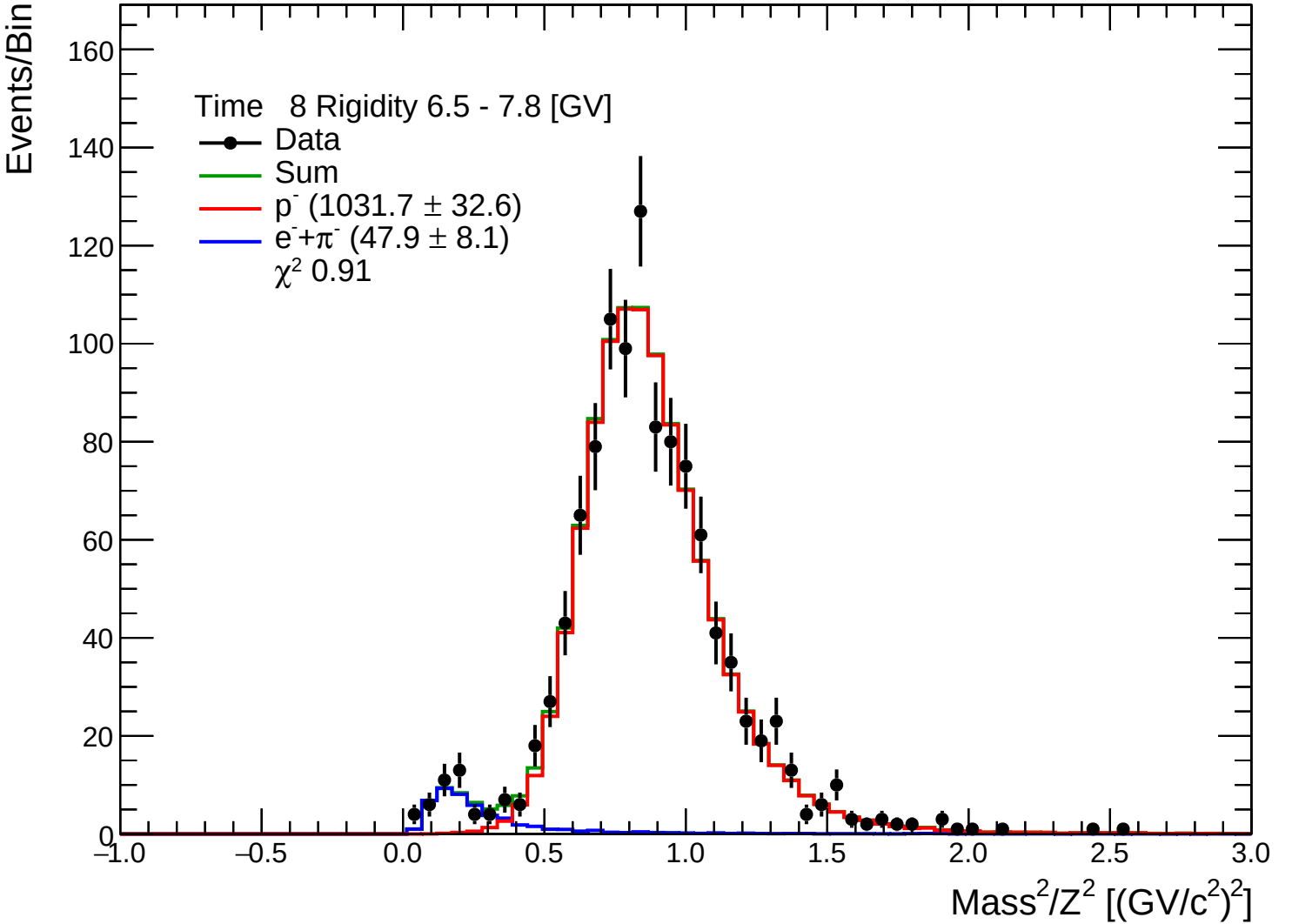

Events/Bin
400
350
300
250
200
150
100
50
0
410
420
430
440
450
Number [Temp 0]

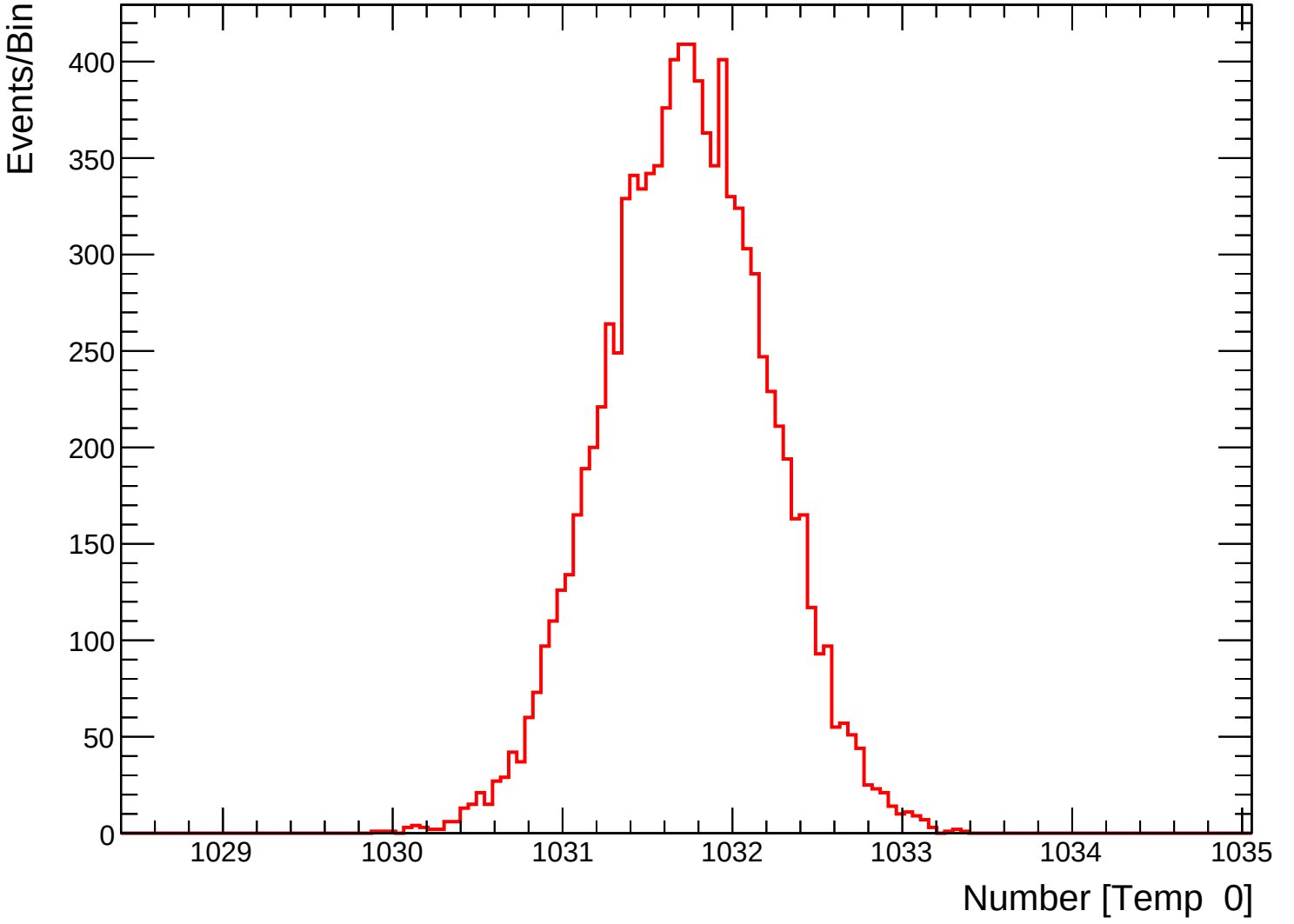

Time 8 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (746.9 ± 29.3)
e⁻+π⁻ (7.3 ± 10.6)
χ² 1.40
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

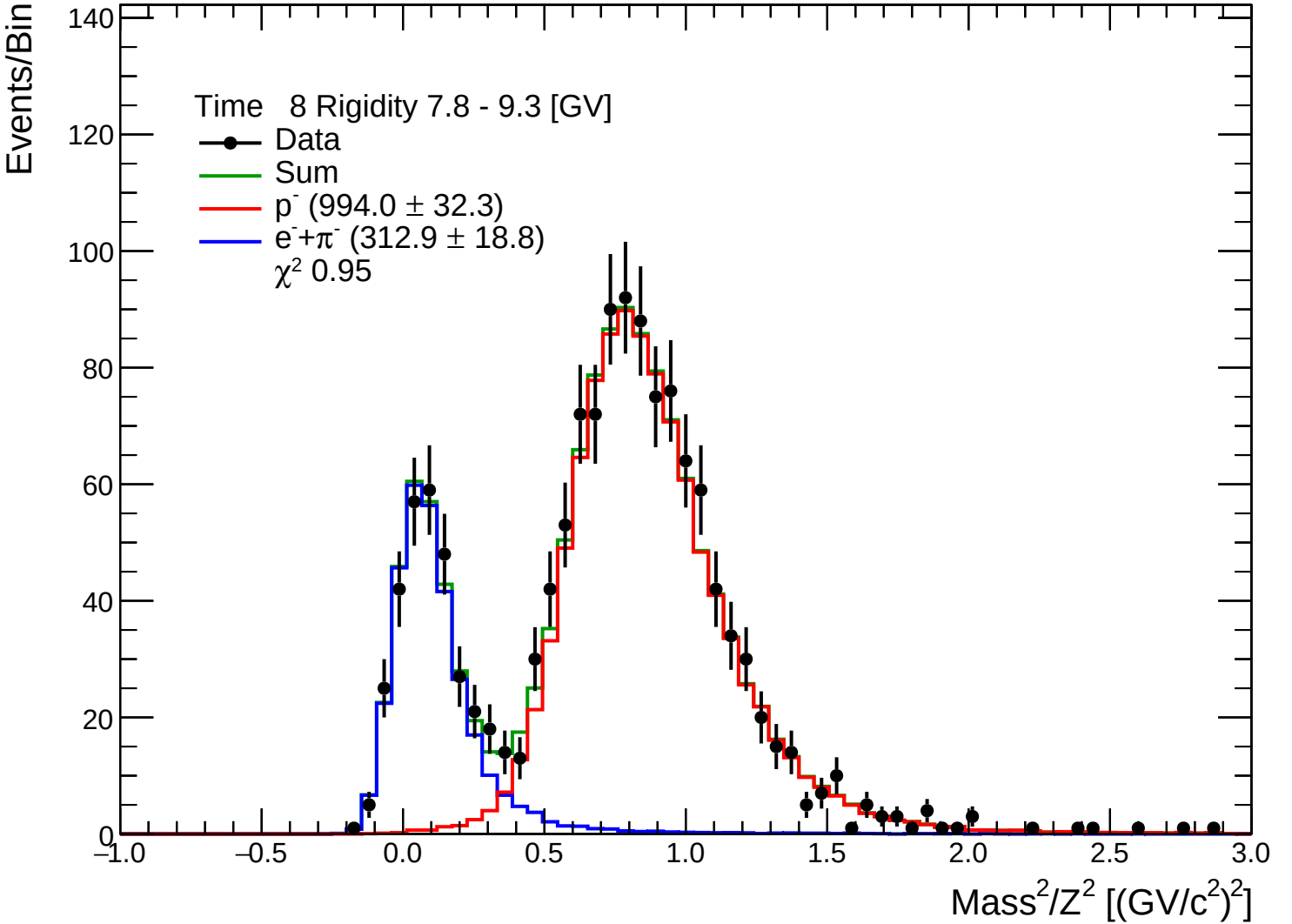

Events/Bin
400
350
300
250
200
150
100
50
0
730
735
740
745
750
755
760
765
Number [Temp 0]

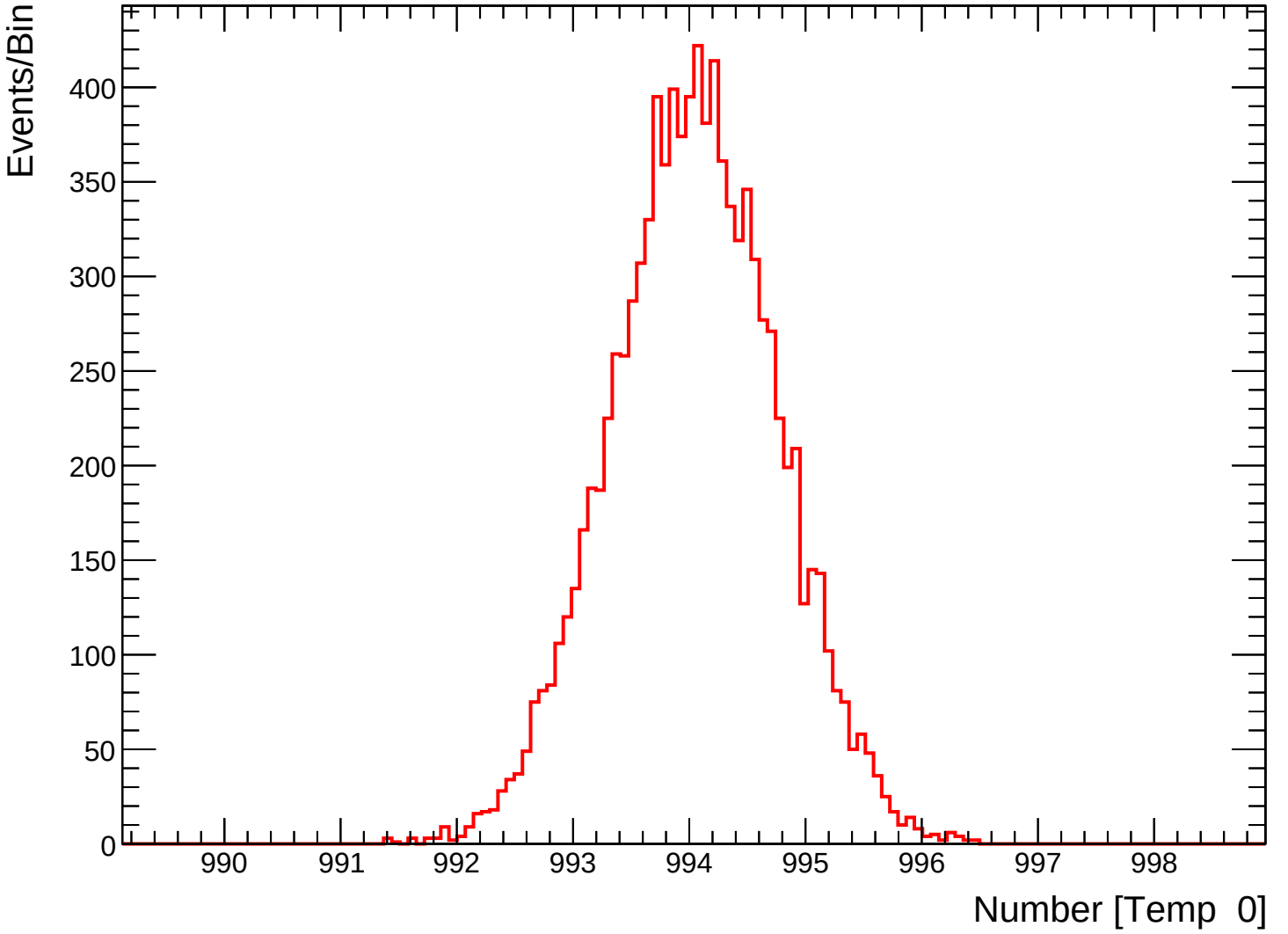

Time 8 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (968.8 ± 33.2)
e⁻+π⁻ (16.6 ± 11.8)
χ² 0.82
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

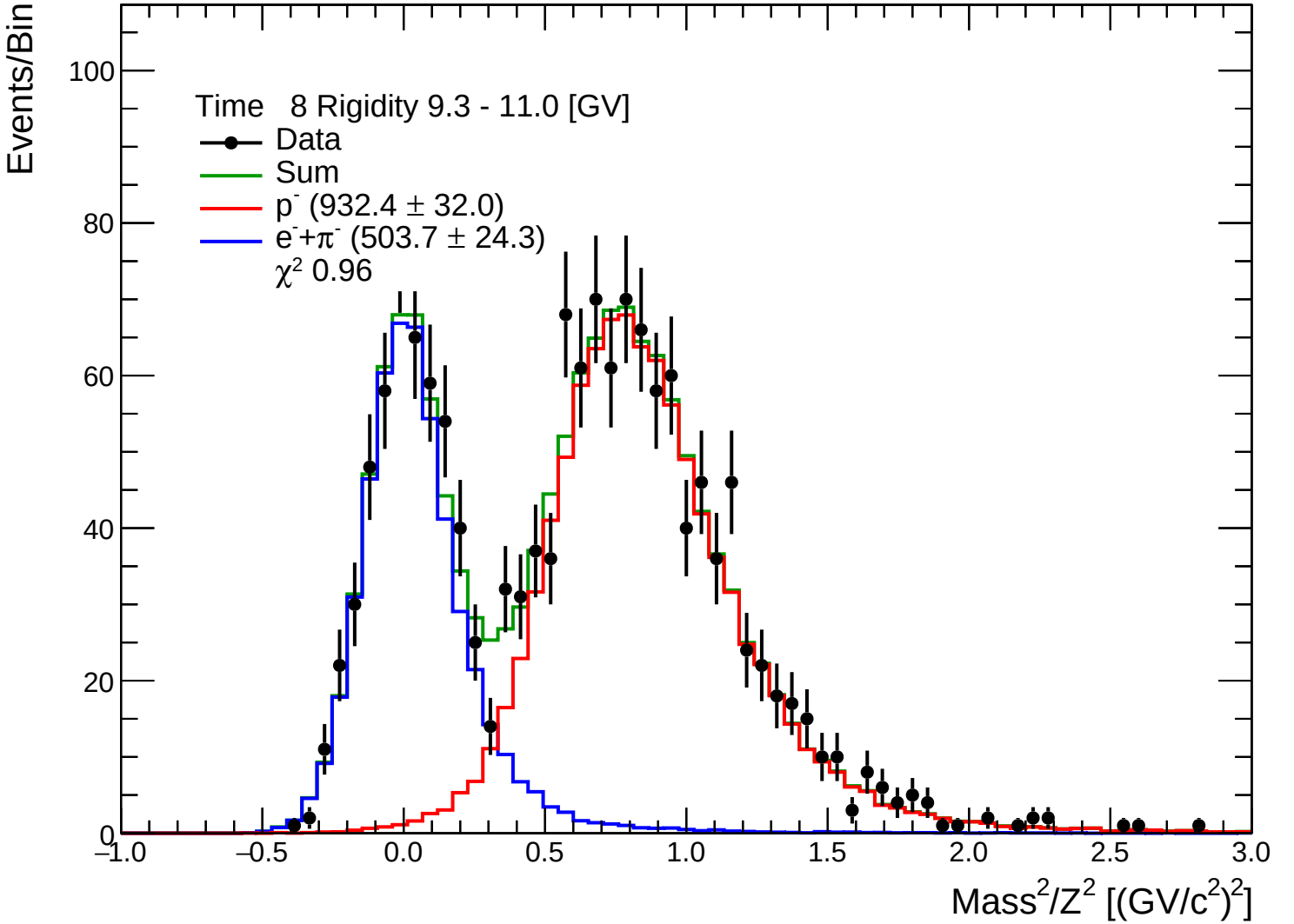

Events/Bin
400
350
300
250
200
150
100
50
0
955
960
965
970
975
980
Number [Temp 0]

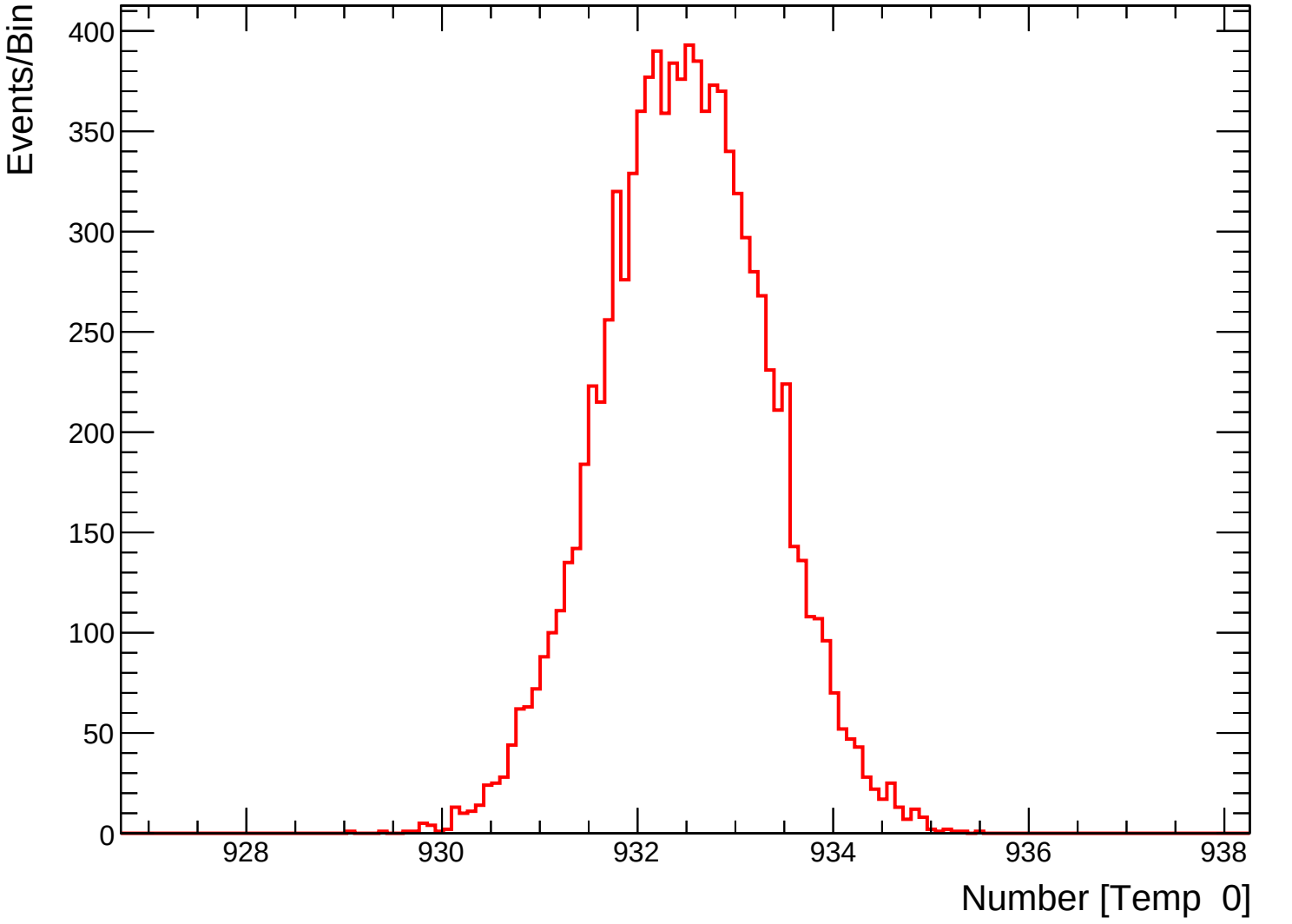

Time 8 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1031.7 ± 32.6)
e⁻+π⁻ (47.9 ± 8.1)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

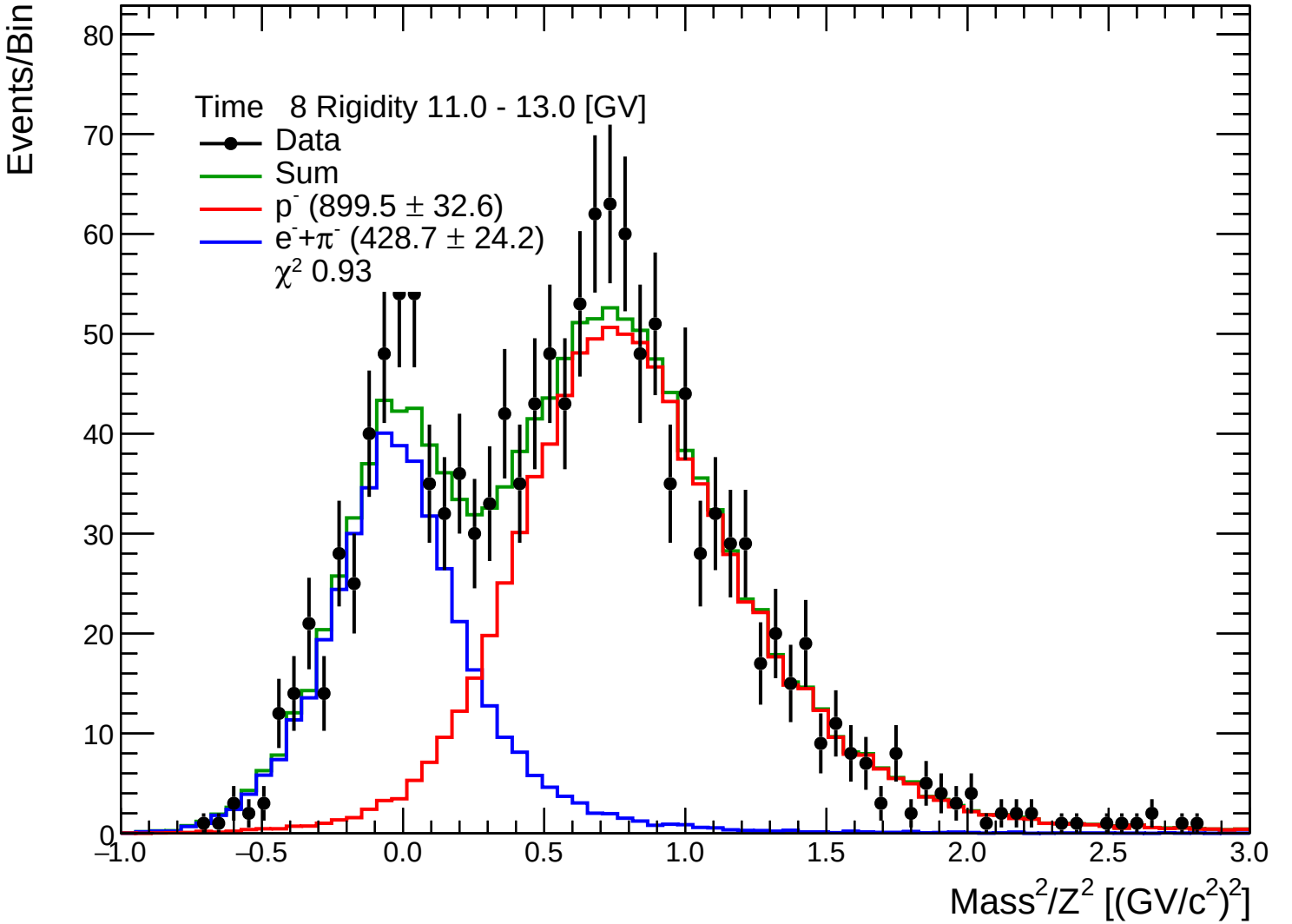

Events/Bin
400
350
300
250
200
150
100
50
0
1029
1030
1031
1032
1033
1034
1035
Number [Temp 0]

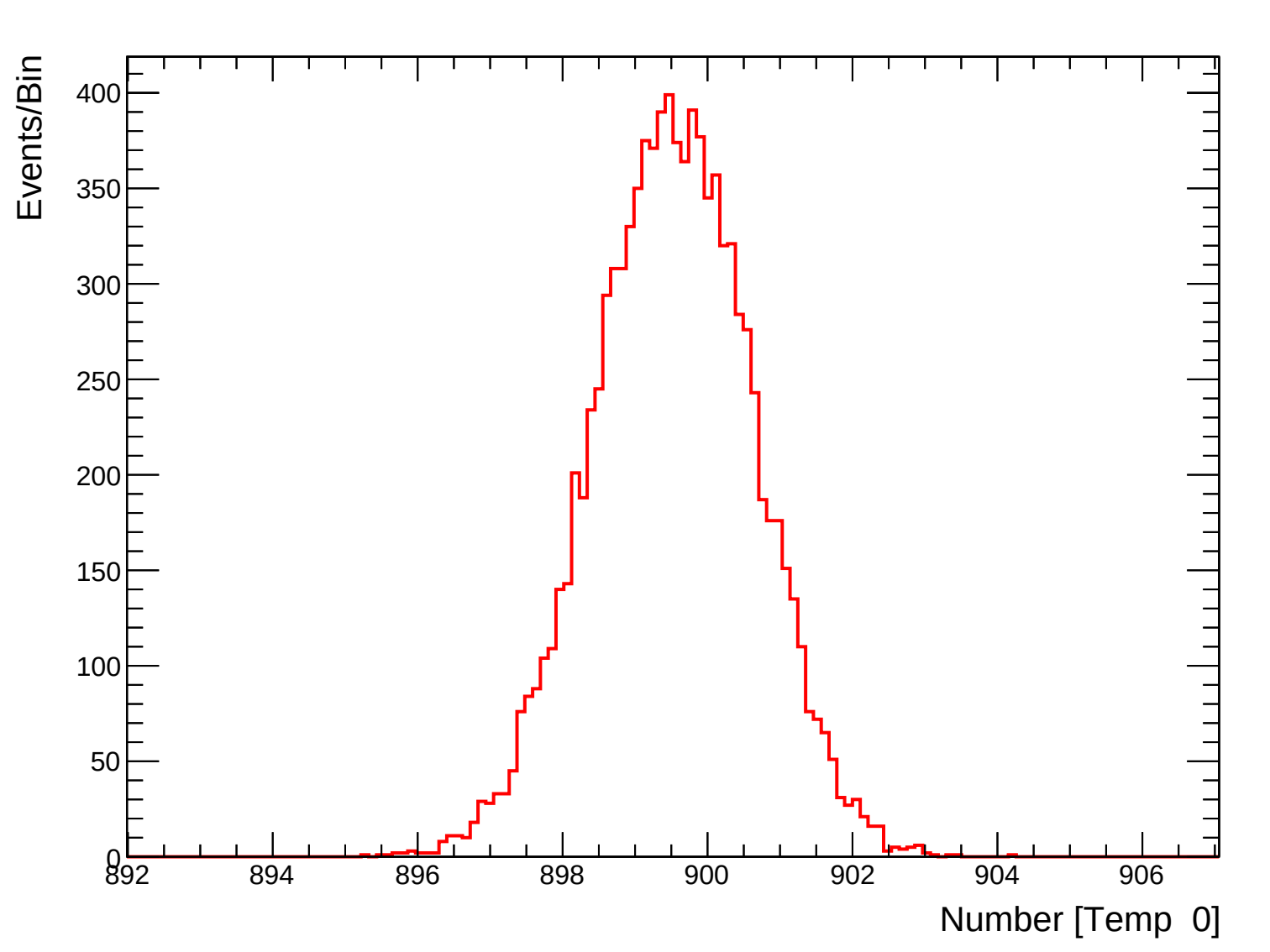

Time 8 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (994.0 ± 32.3)
e⁻+π⁻ (312.9 ± 18.8)
χ² 0.95
Events/Bin
Mass²/Z² [(GV/c²)²]
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

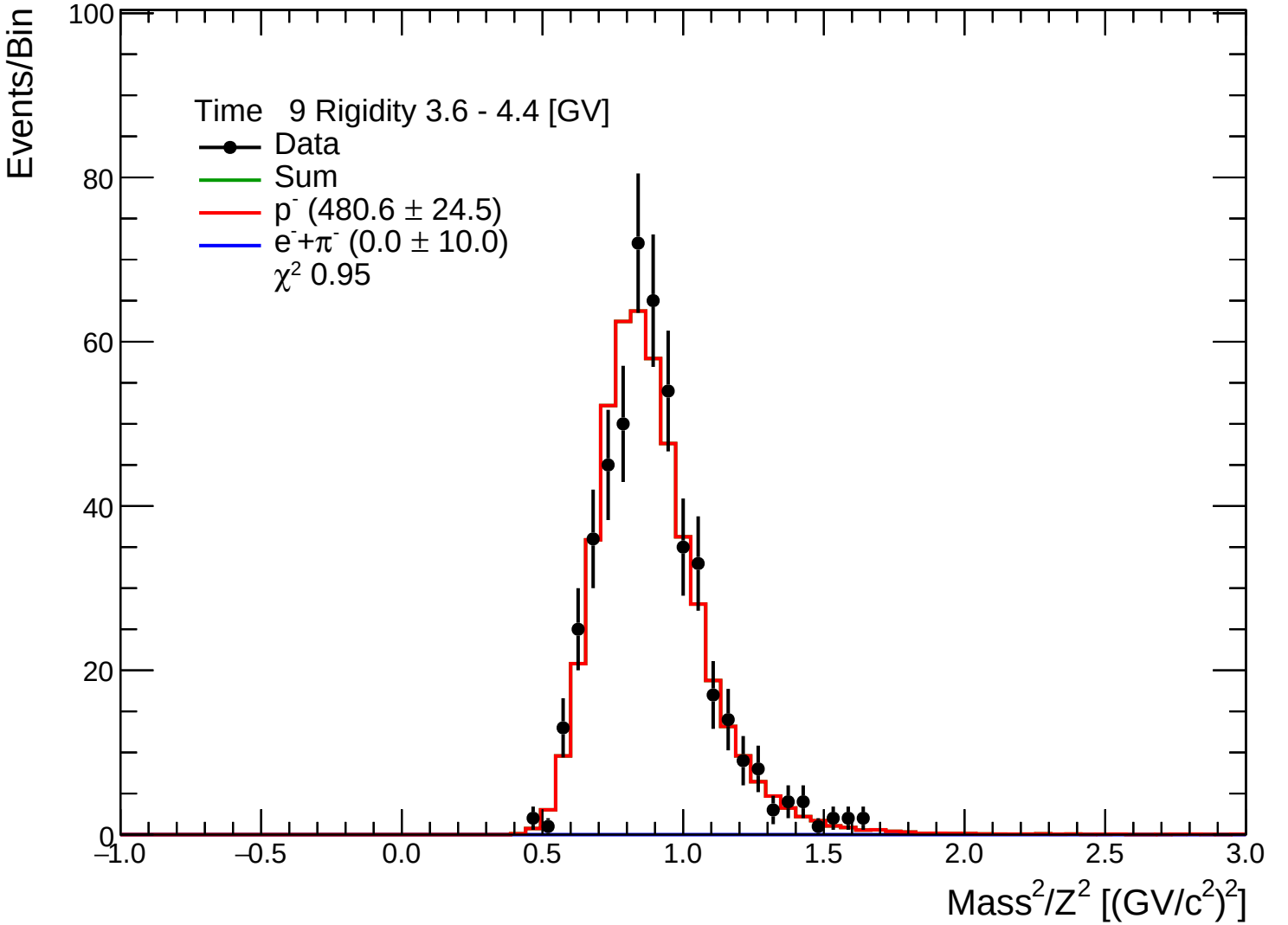

Events/Bin
400
350
300
250
200
150
100
50
0
990
991
992
993
994
995
996
997
998
Number [Temp 0]

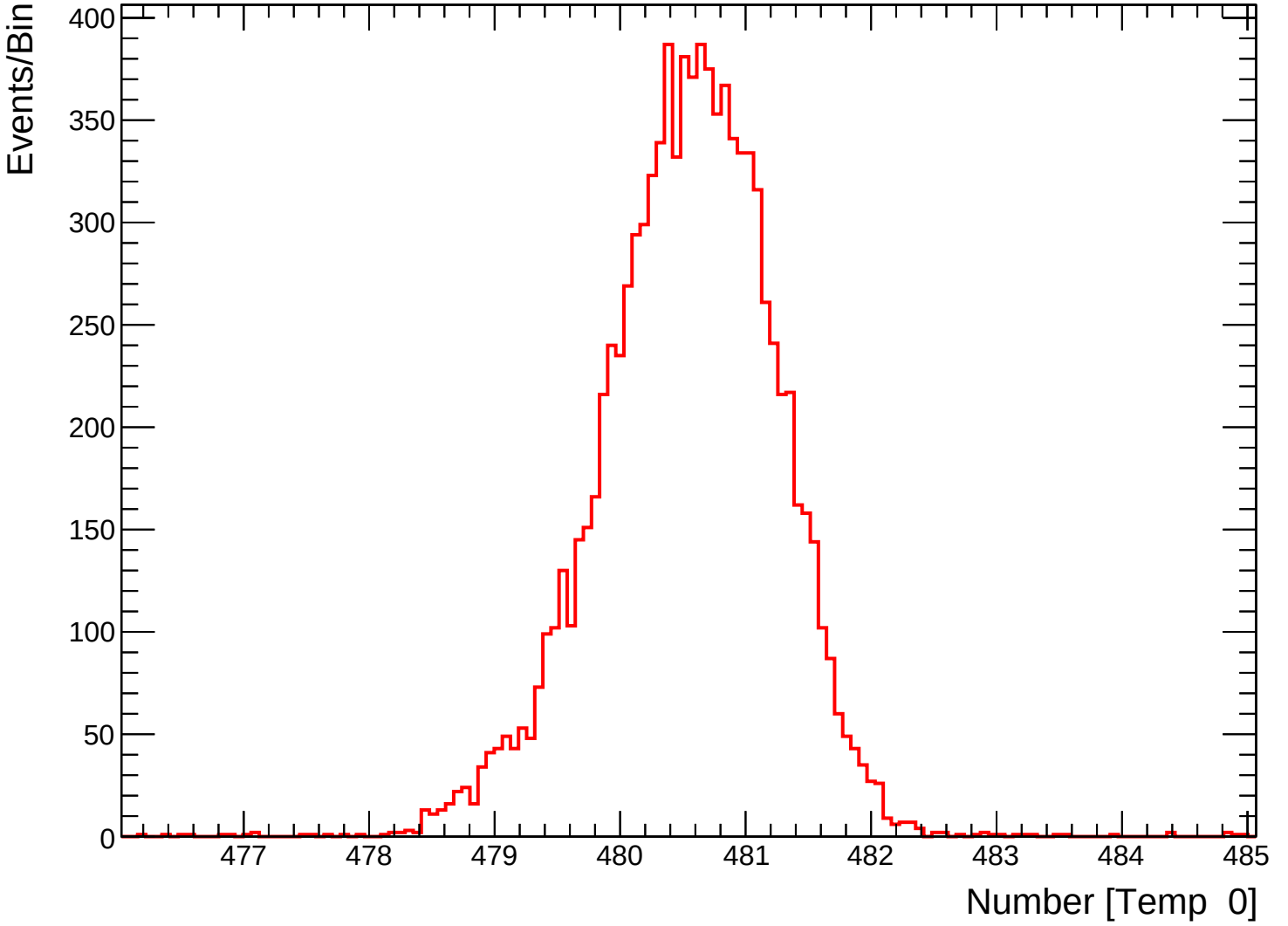

Time 8 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (932.4 ± 32.0)
e⁻+π⁻ (503.7 ± 24.3)
χ² 0.96
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

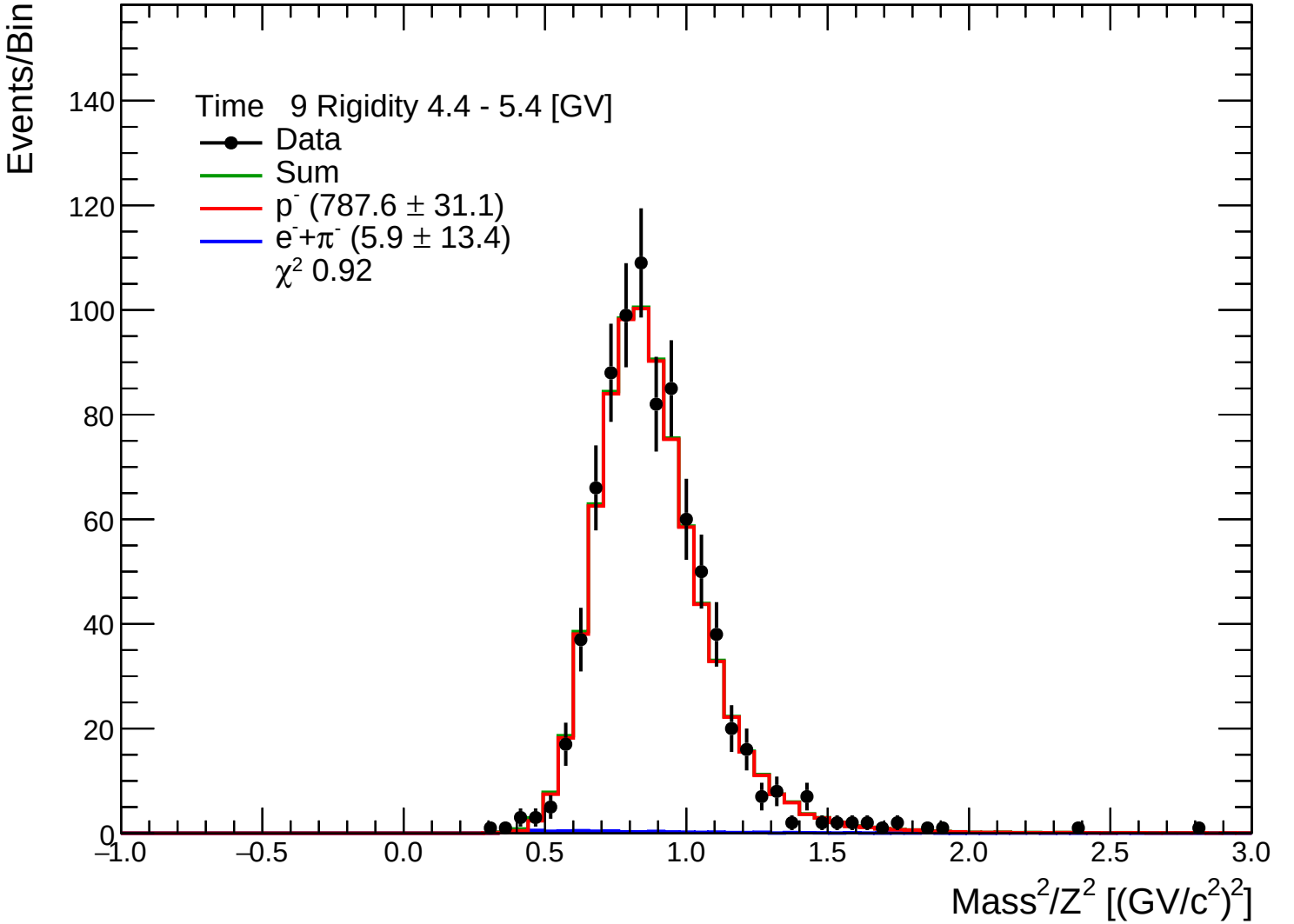

Events/Bin
400
350
300
250
200
150
100
50
0
928
930
932
934
936
938
Number [Temp 0]

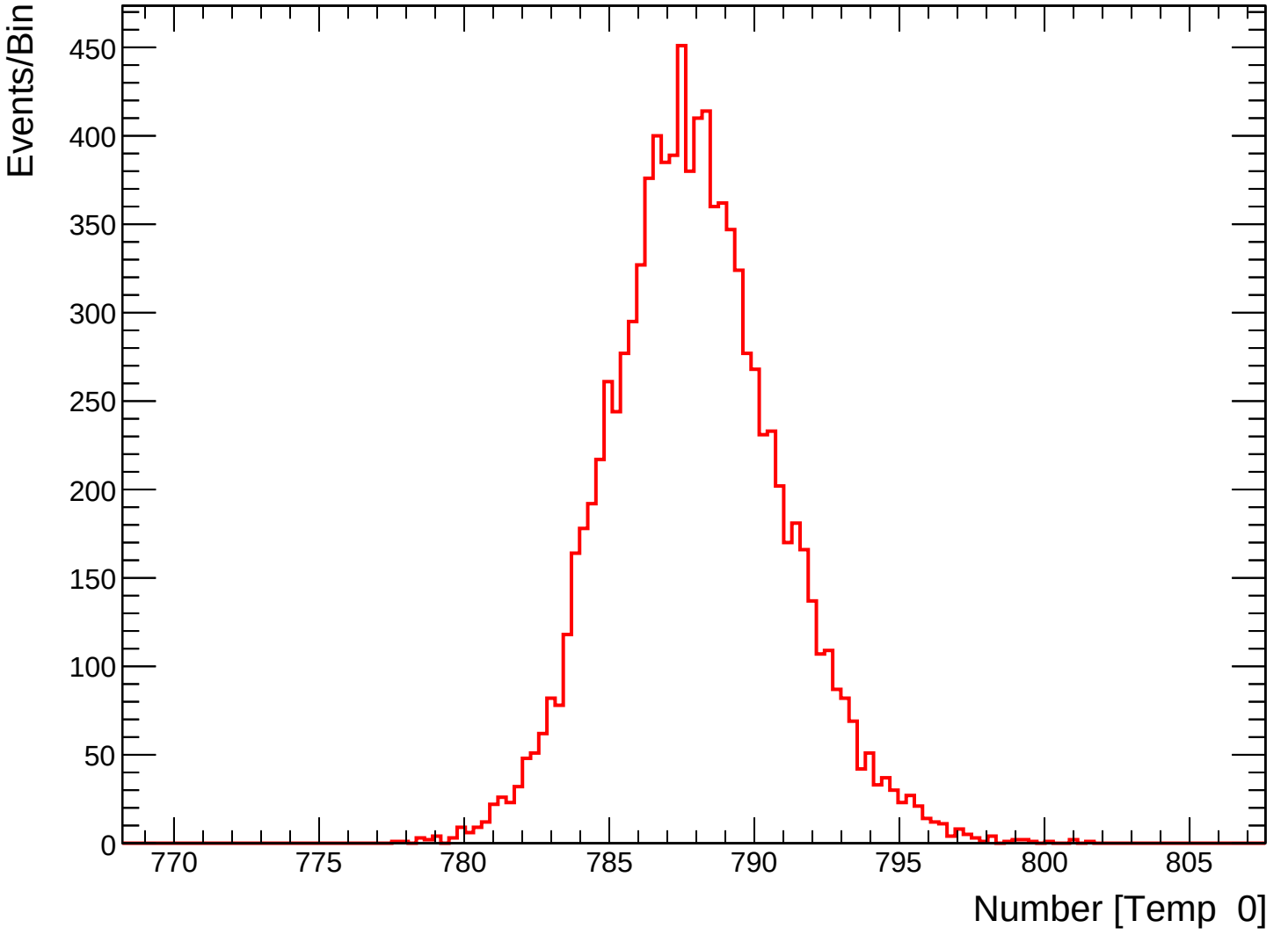

Time 8 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (899.5 ± 32.6)
e⁻+π⁻ (428.7 ± 24.2)
χ² 0.93
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

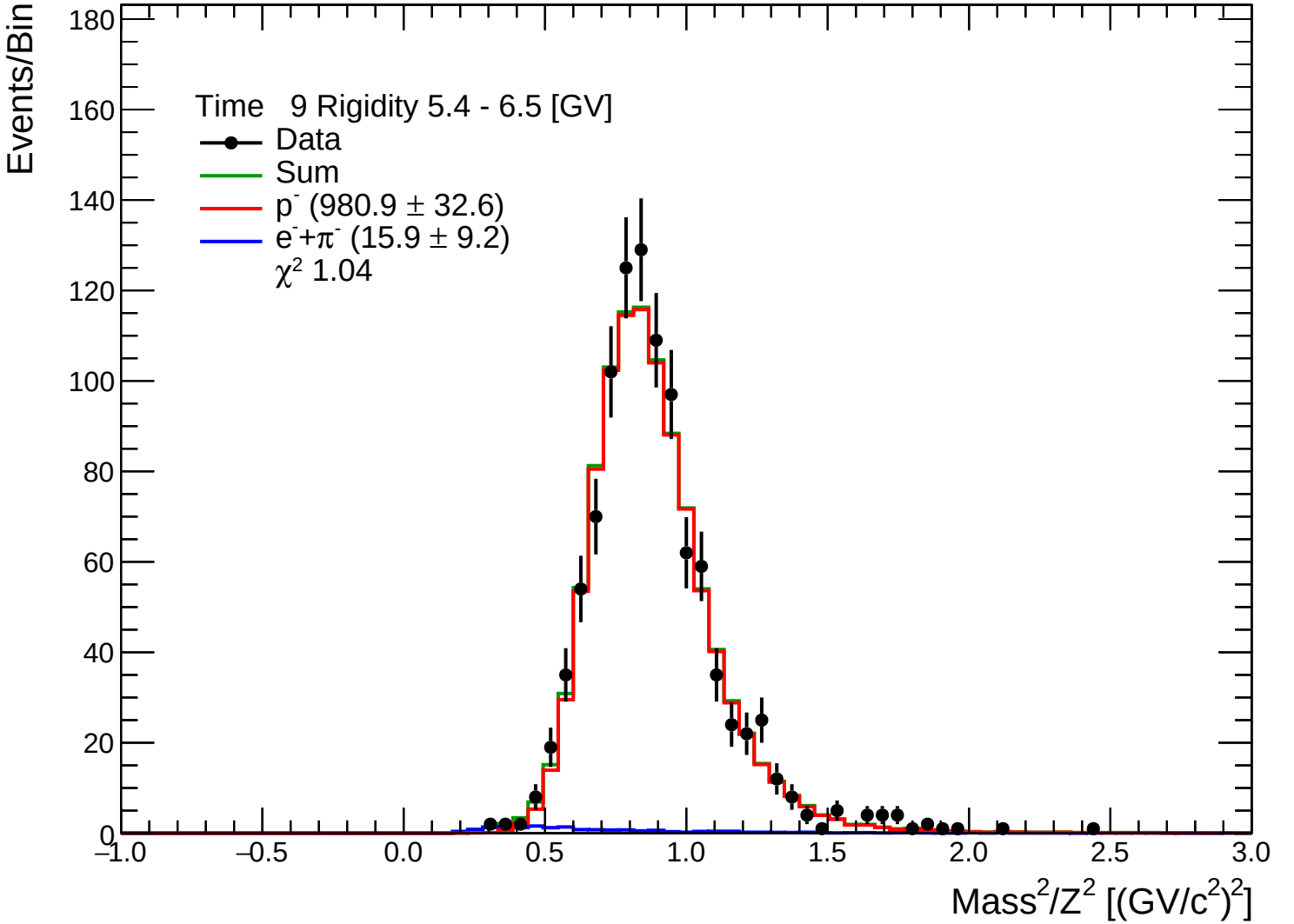

Events/Bin
400
350
300
250
200
150
100
50
0
892
894
896
898
900
902
904
906
Number [Temp 0]

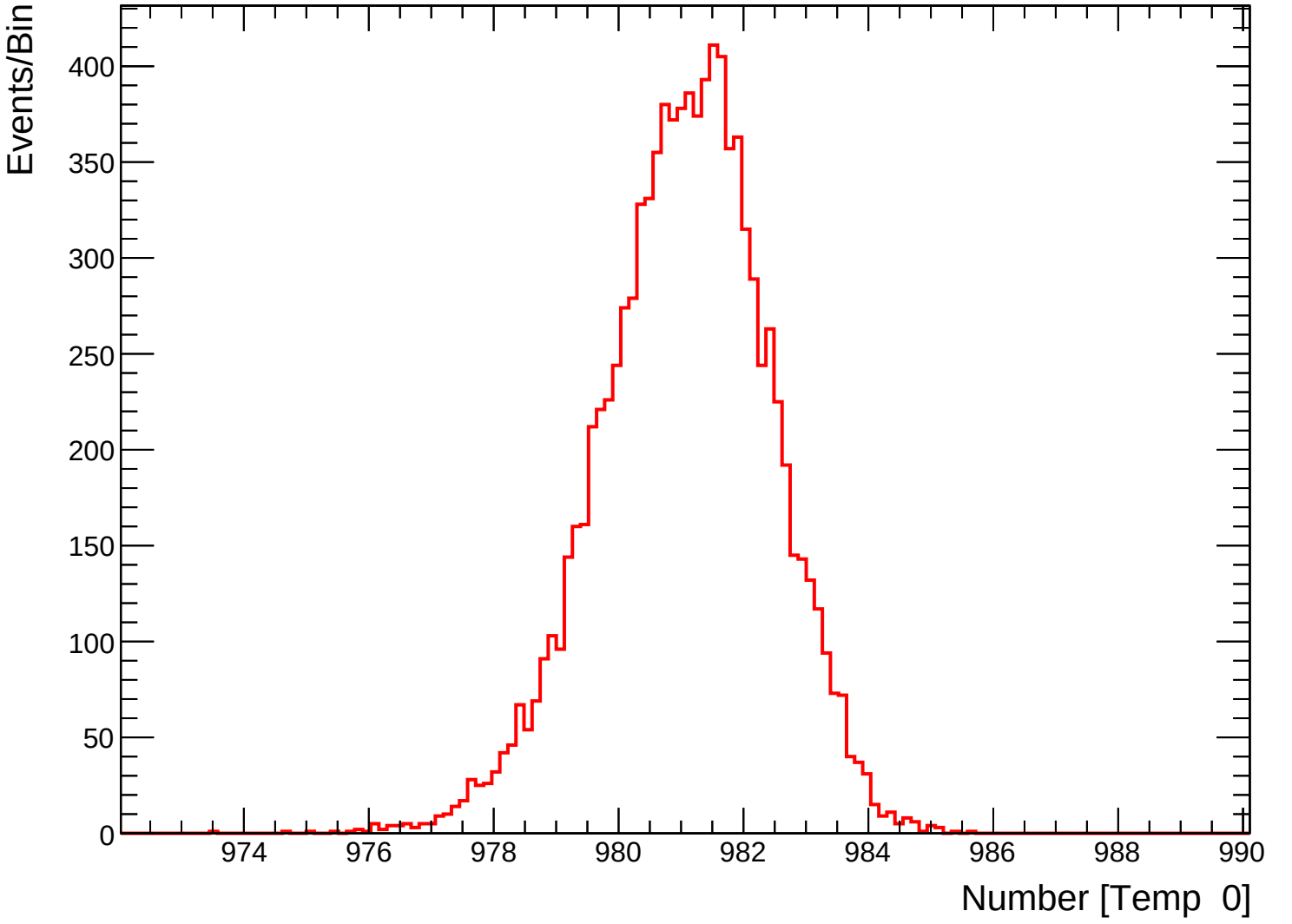

Events/Bin
100
80
60
40
20
0
Time 9 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (480.6 ± 24.5)
e⁻+π⁻ (0.0 ± 10.0)
χ² 0.95
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Mass²/Z² [(GV/c²)²]

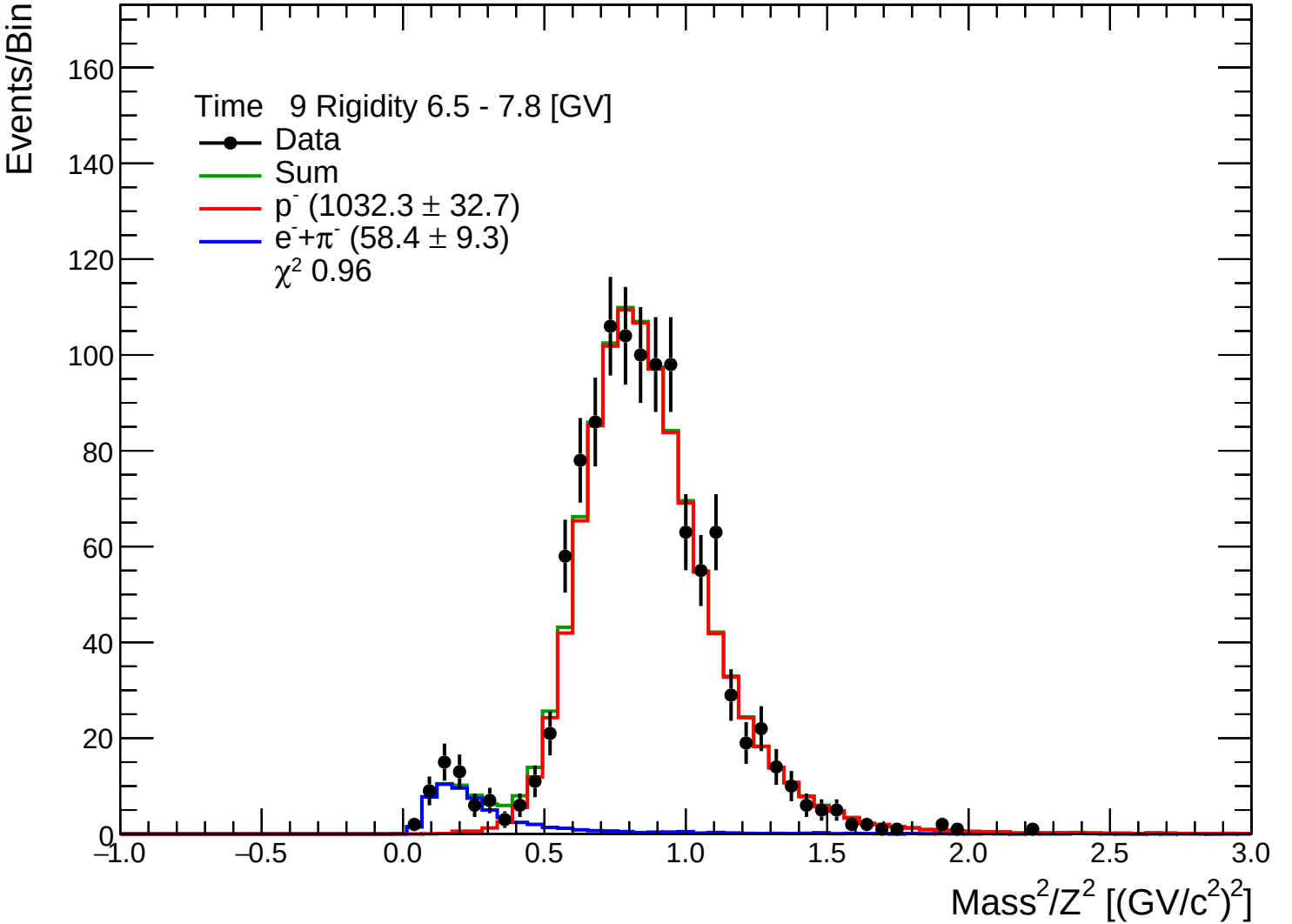

Events/Bin
400
350
300
250
200
150
100
50
0
477
478
479
480
481
482
483
484
485
Number [Temp 0]

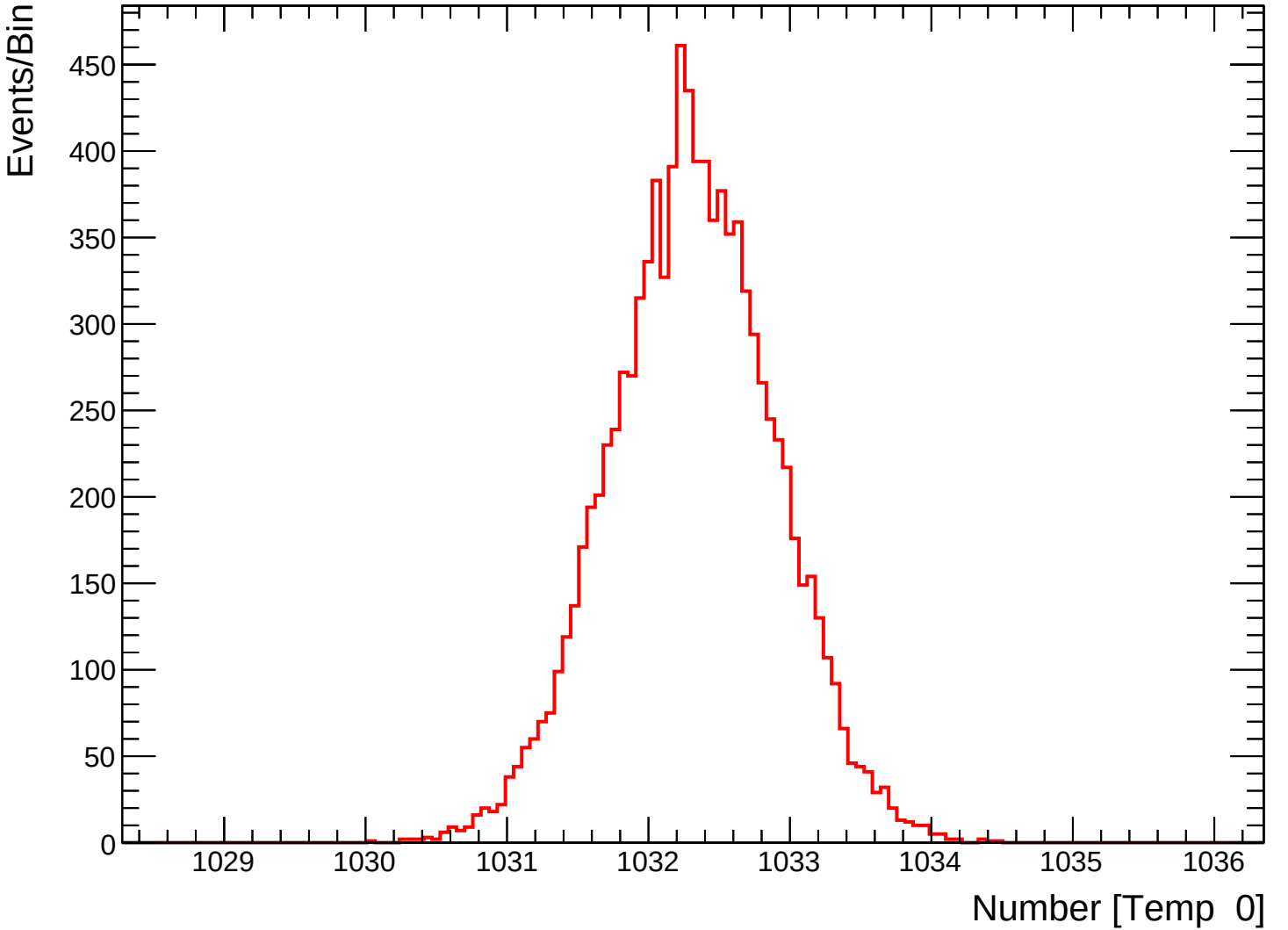

Time 9 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (787.6 ± 31.1)
e⁻+π⁻ (5.9 ± 13.4)
χ² 0.92
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

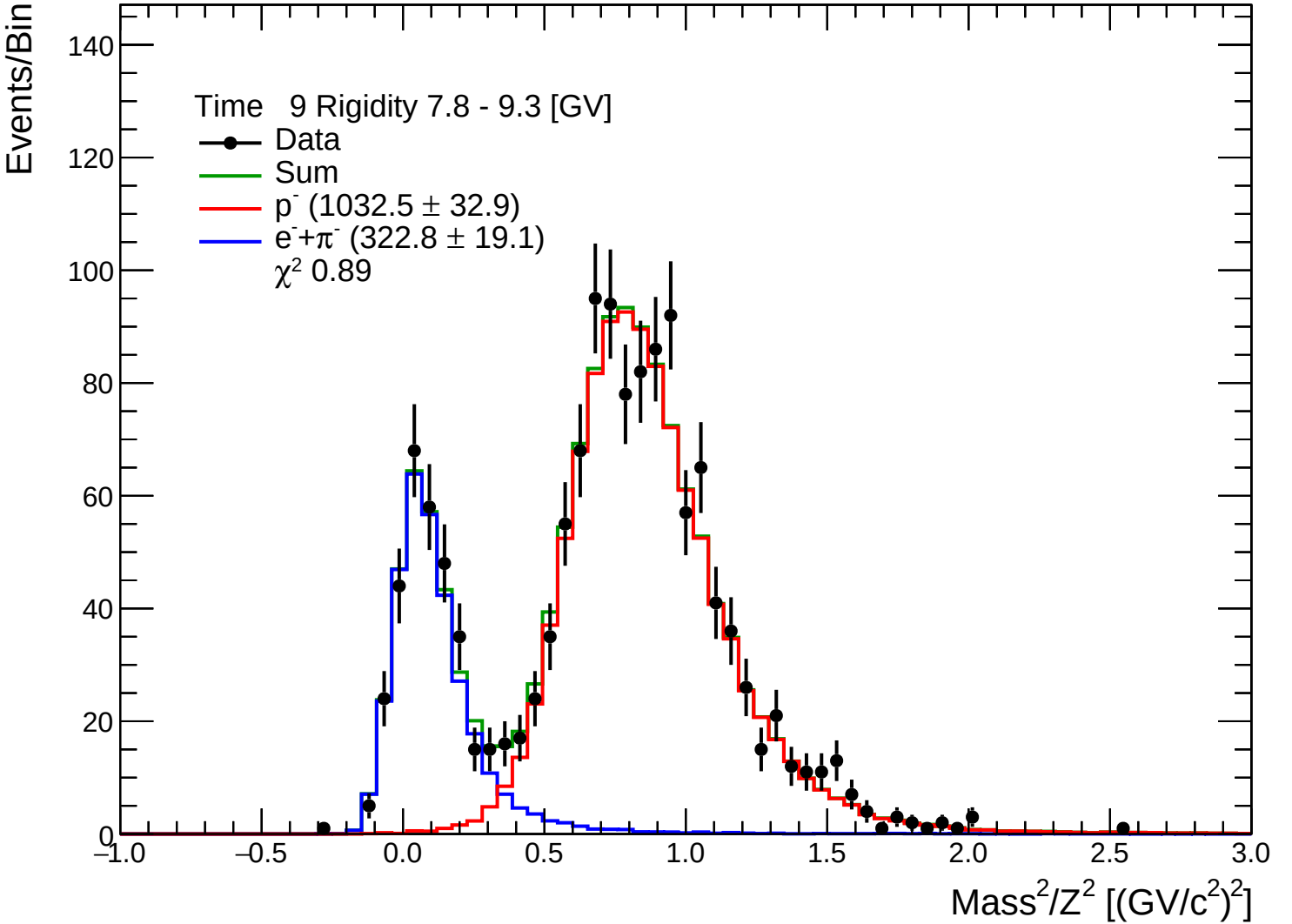

Events/Bin
450
400
350
300
250
200
150
100
50
0
770
775
780
785
790
795
800
805
Number [Temp 0]

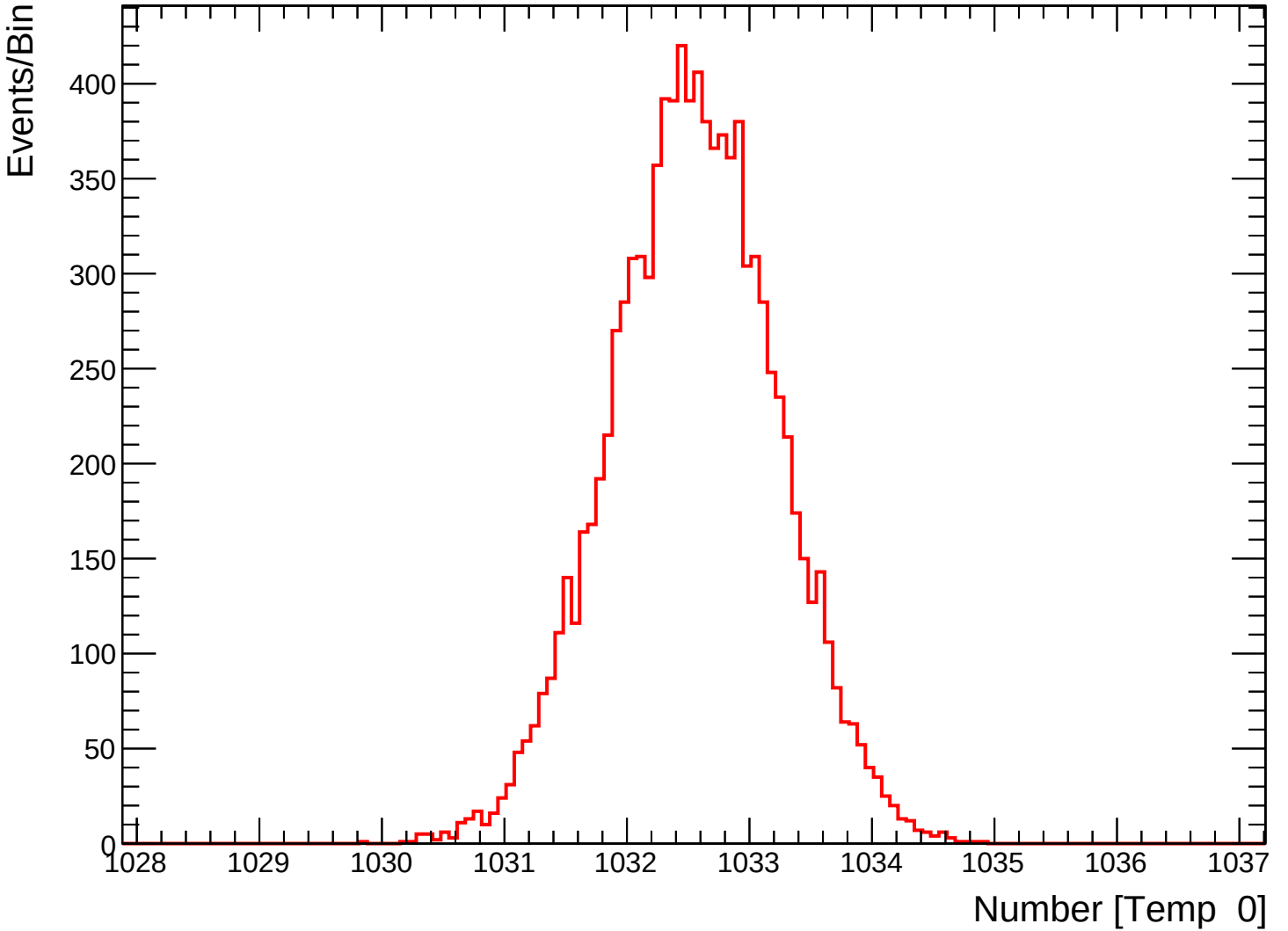

Time 9 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (980.9 ± 32.6)
e⁻+π⁻ (15.9 ± 9.2)
χ² 1.04
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

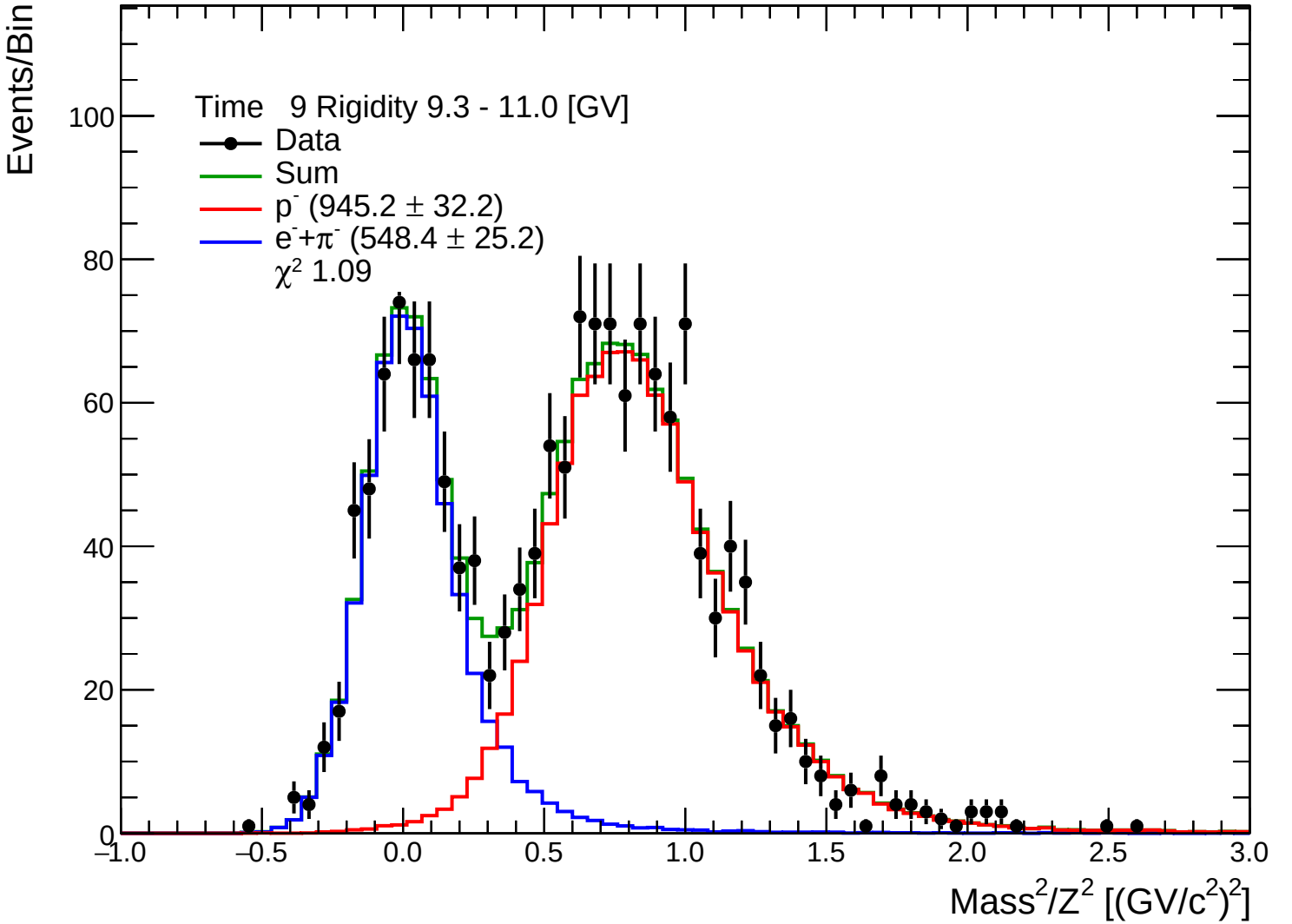

Events/Bin
400
350
300
250
200
150
100
50
0
974
976
978
980
982
984
986
988
990
Number [Temp 0]

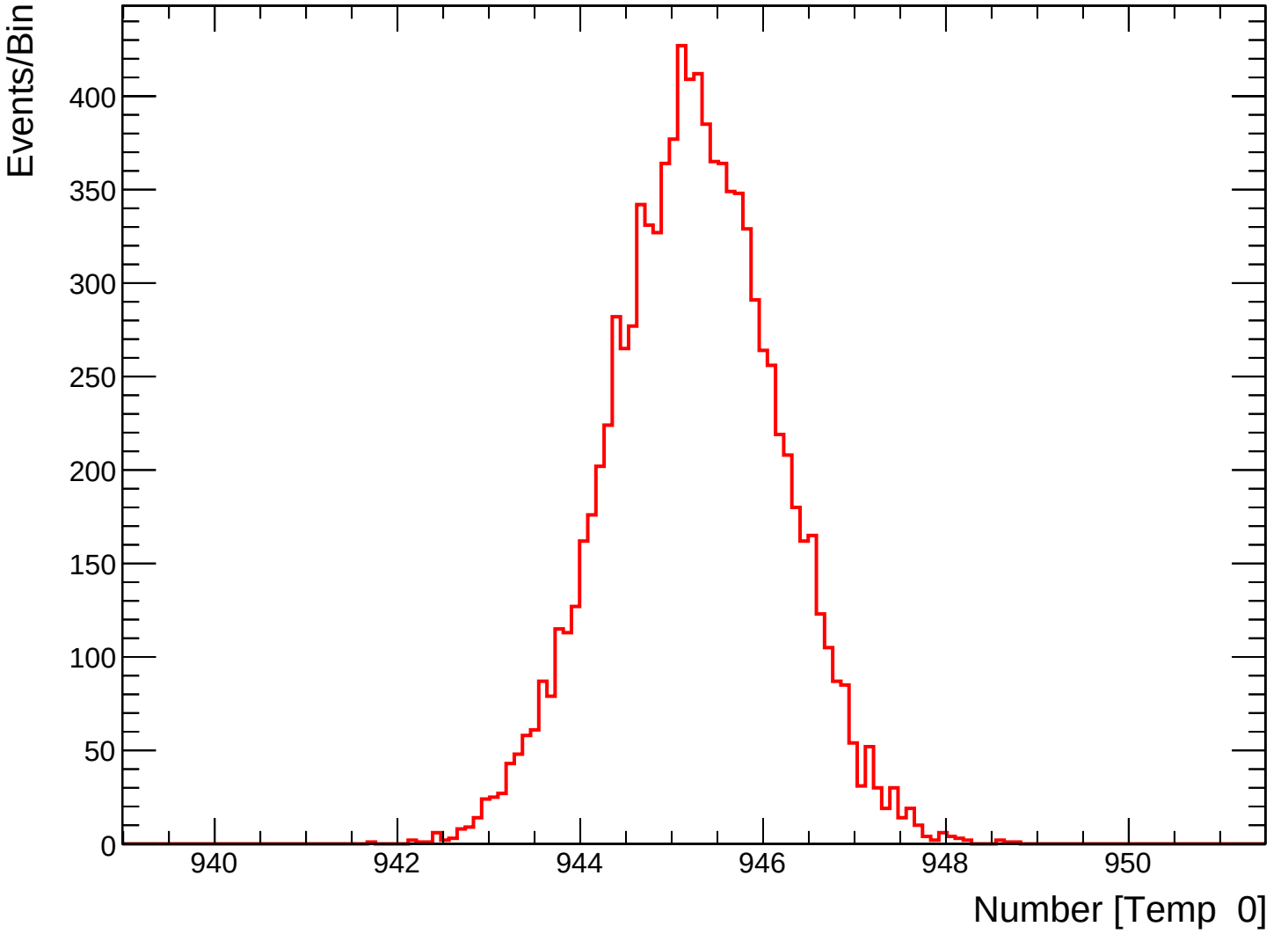

Time 9 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1032.3 ± 32.7)
e⁻+π⁻ (58.4 ± 9.3)
χ² 0.96
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

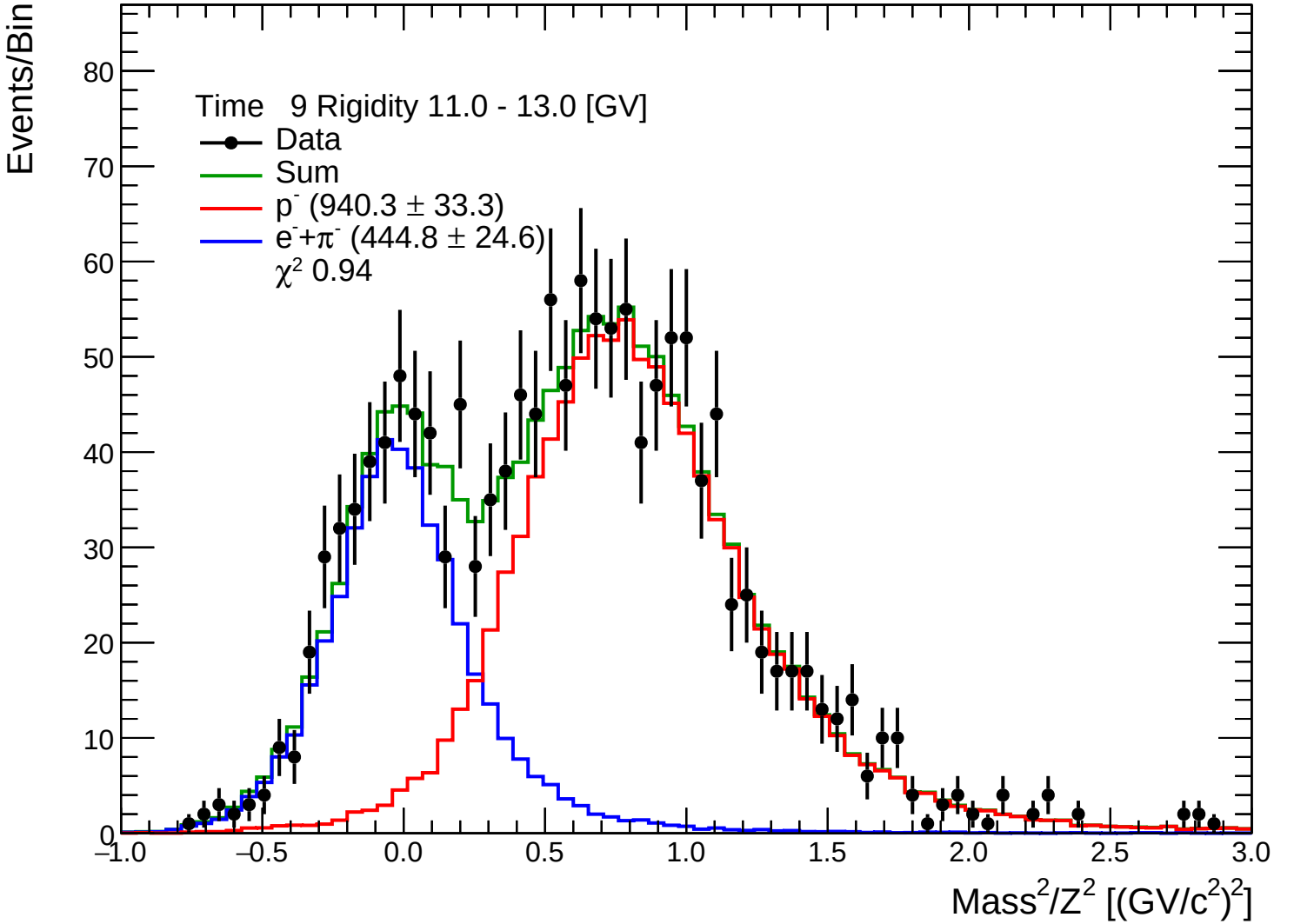

Events/Bin
450
400
350
300
250
200
150
100
50
0
1029
1030
1031
1032
1033
1034
1035
1036
Number [Temp 0]

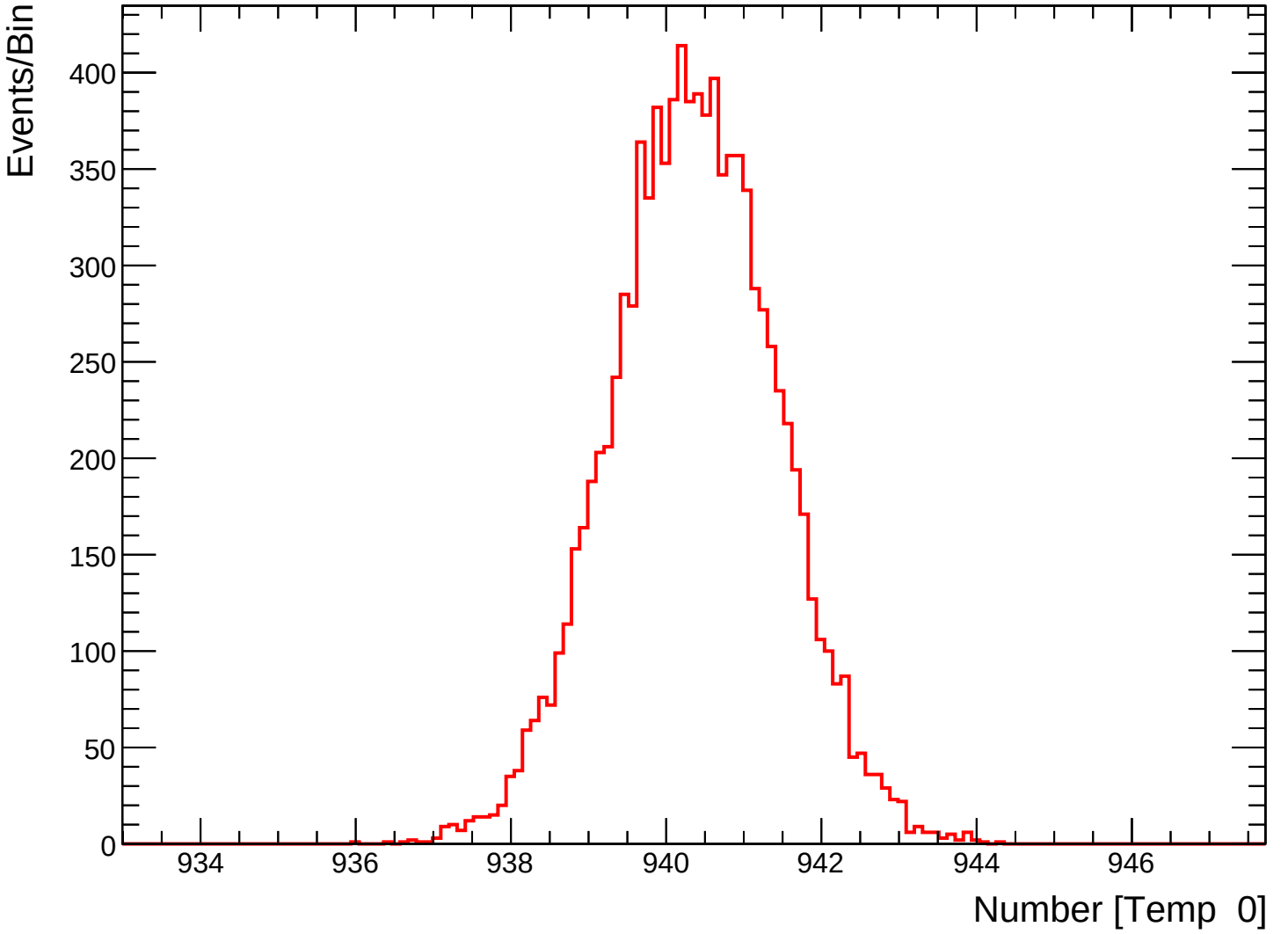

Time 9 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1032.5 ± 32.9)
e⁻+π⁻ (322.8 ± 19.1)
χ² 0.89
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

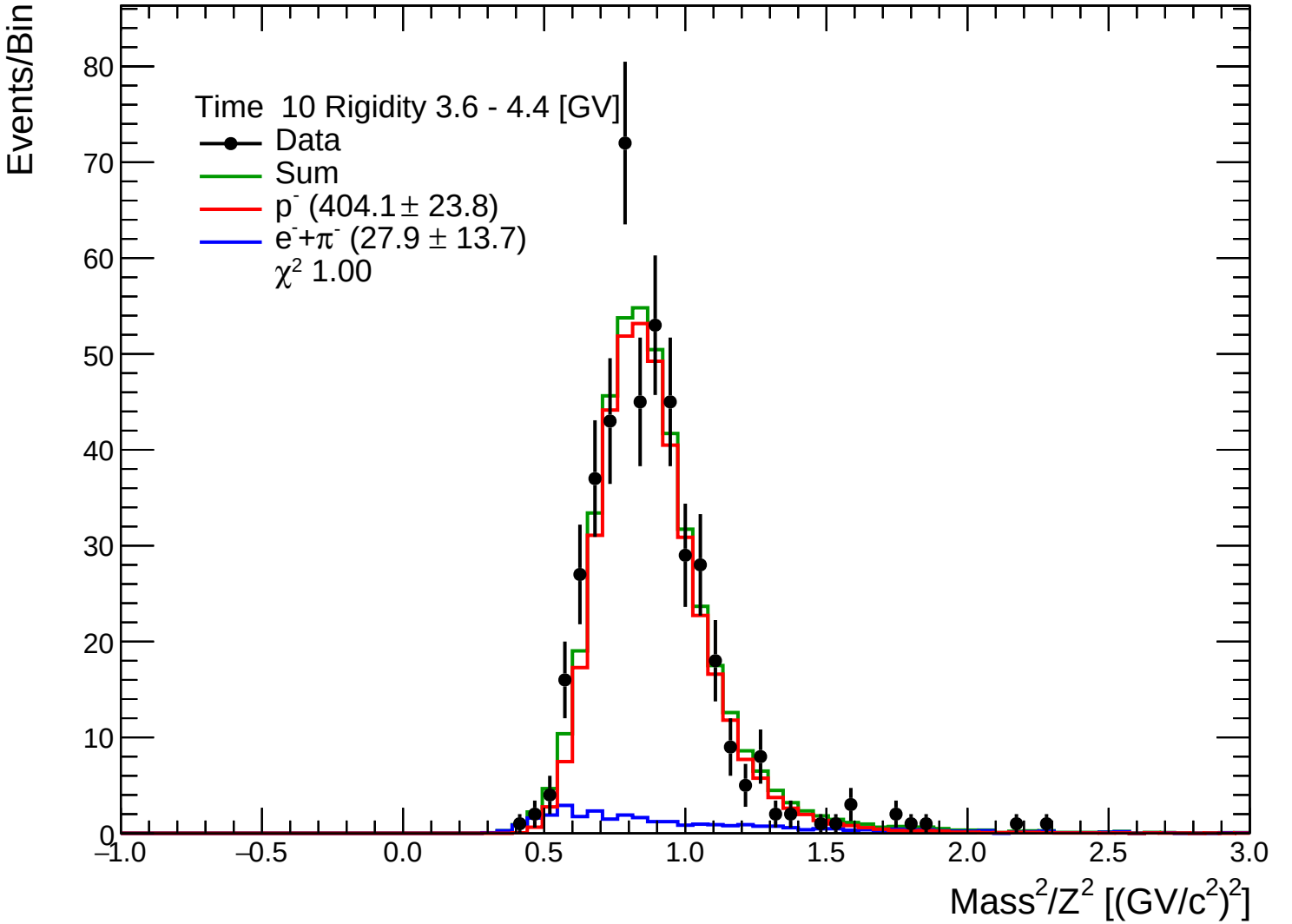

Events/Bin
400
350
300
250
200
150
100
50
0
1028
1029
1030
1031
1032
1033
1034
1035
1036
1037
Number [Temp 0]

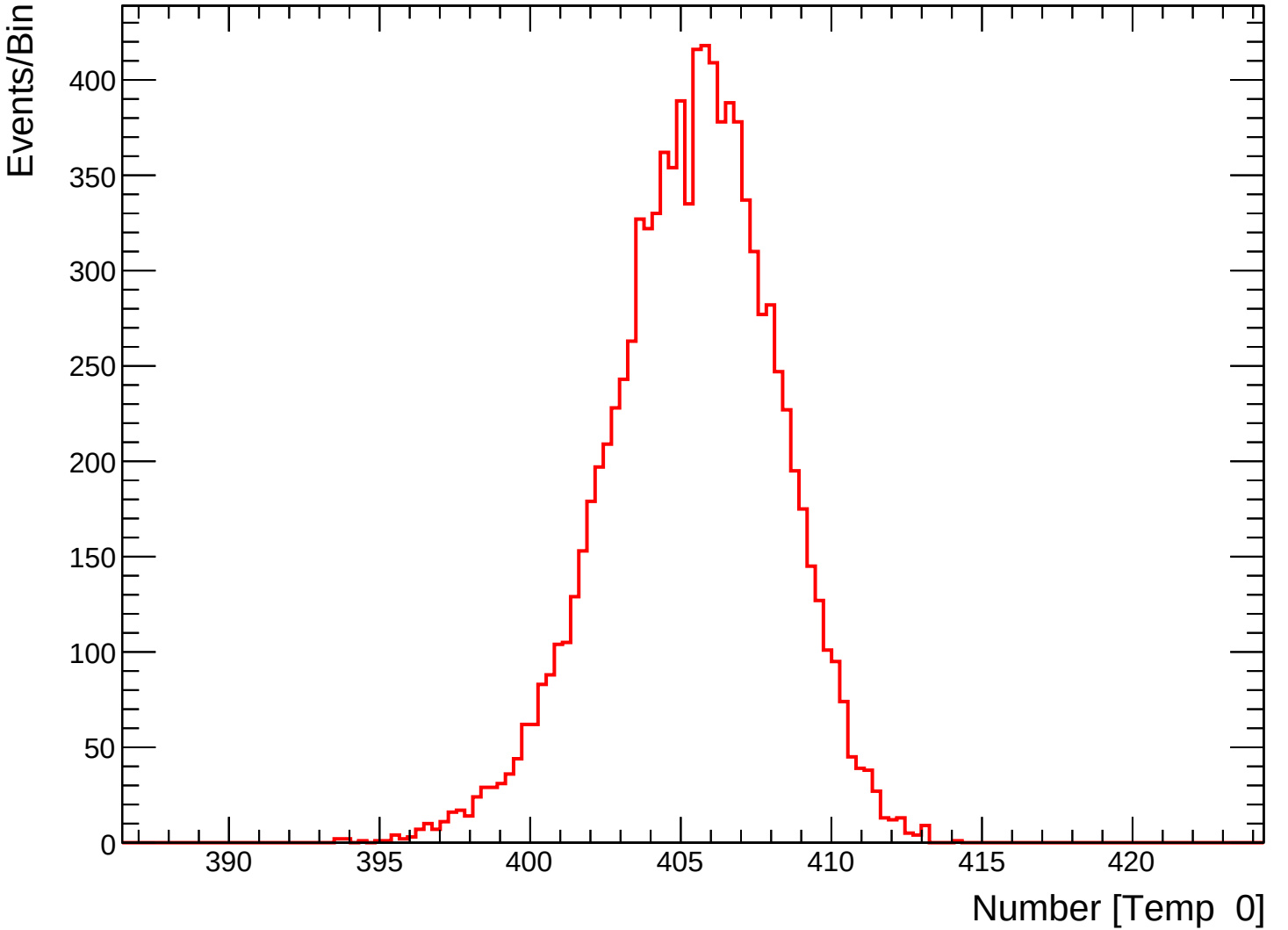

Time 9 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (945.2 ± 32.2)
e⁻+π⁻ (548.4 ± 25.2)
χ² 1.09
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

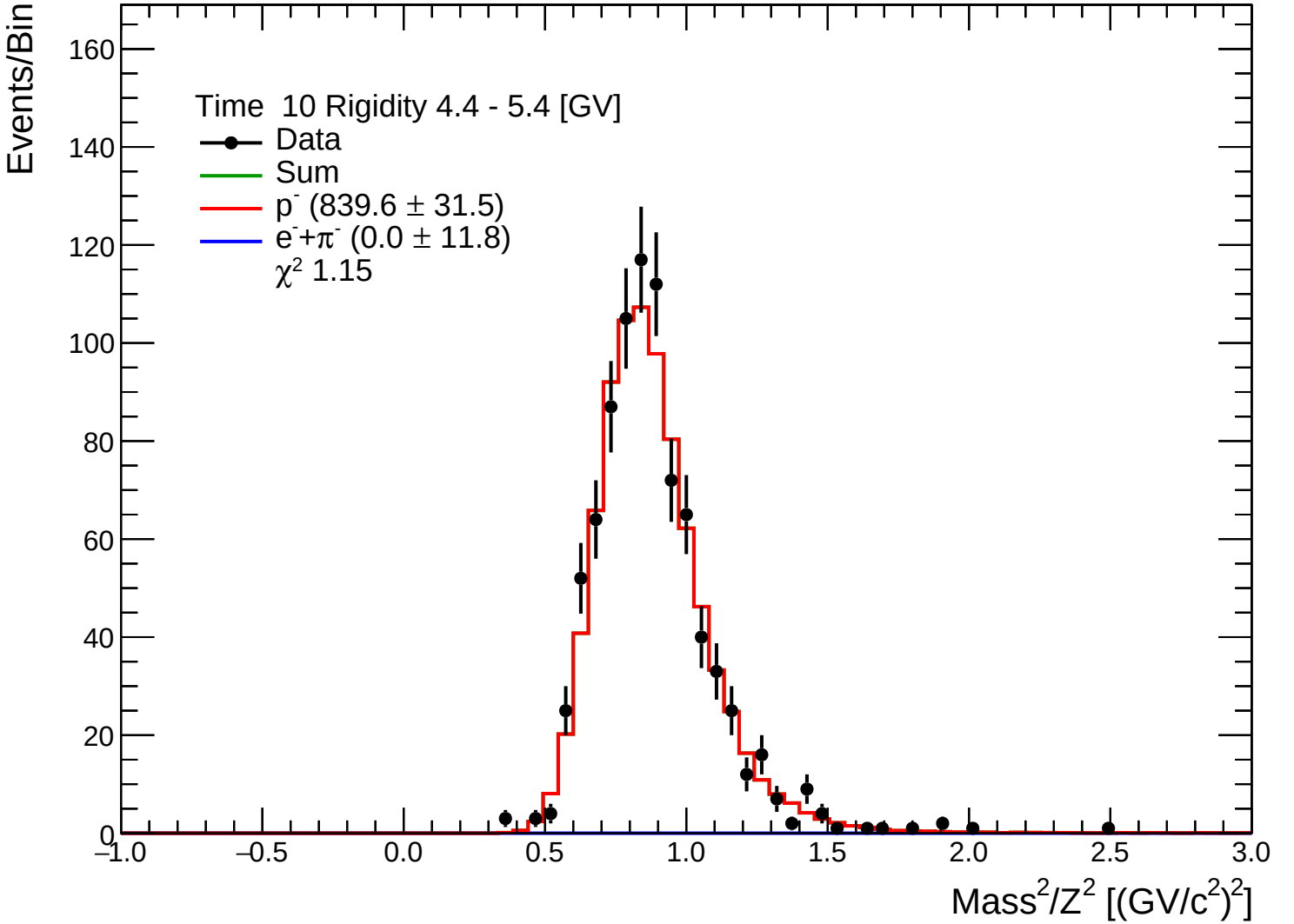

Events/Bin
400
350
300
250
200
150
100
50
0
940
942
944
946
948
950
Number [Temp 0]

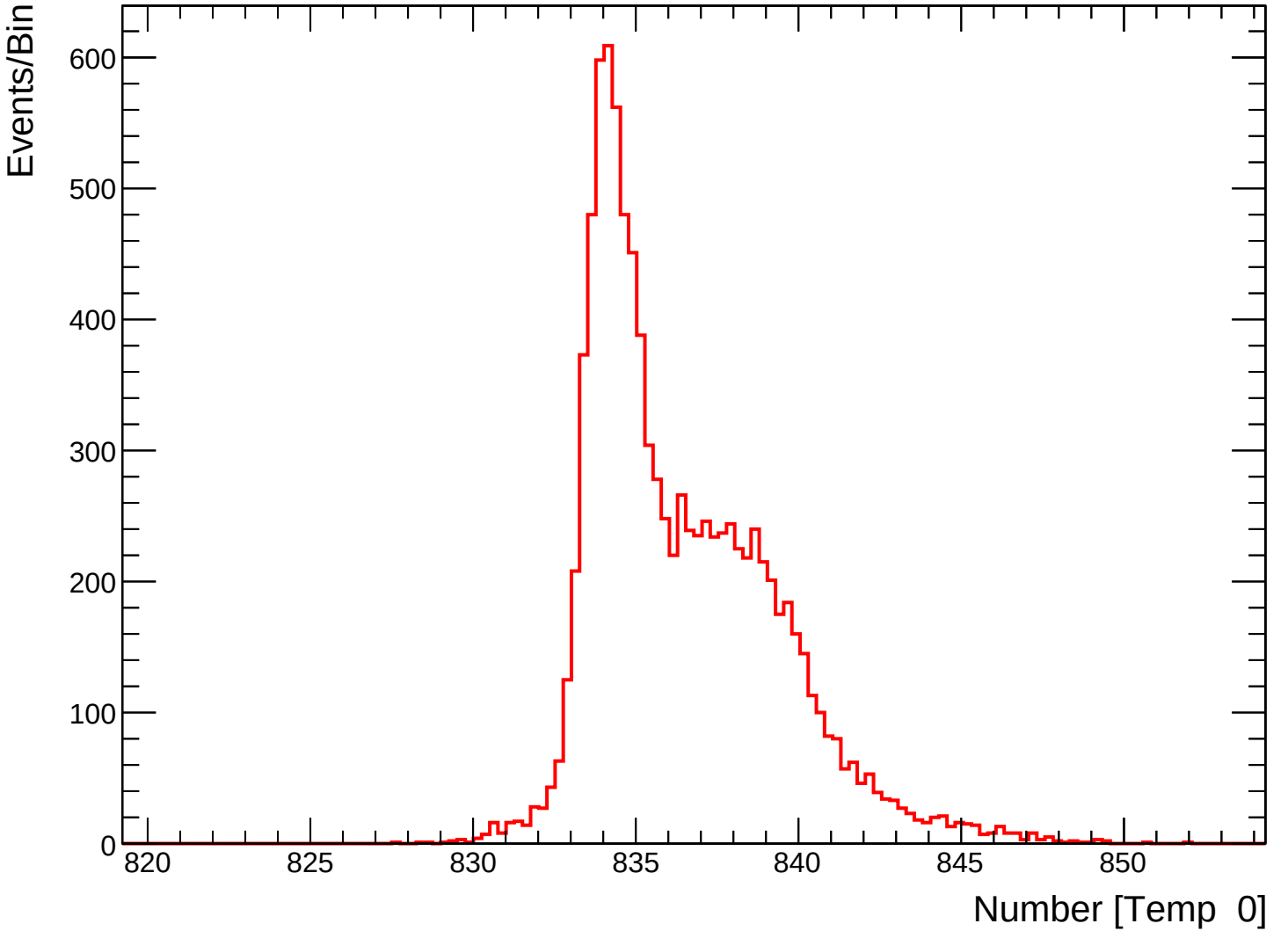

Time 9 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (940.3 ± 33.3)
e⁻+π⁻ (444.8 ± 24.6)
χ² 0.94
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

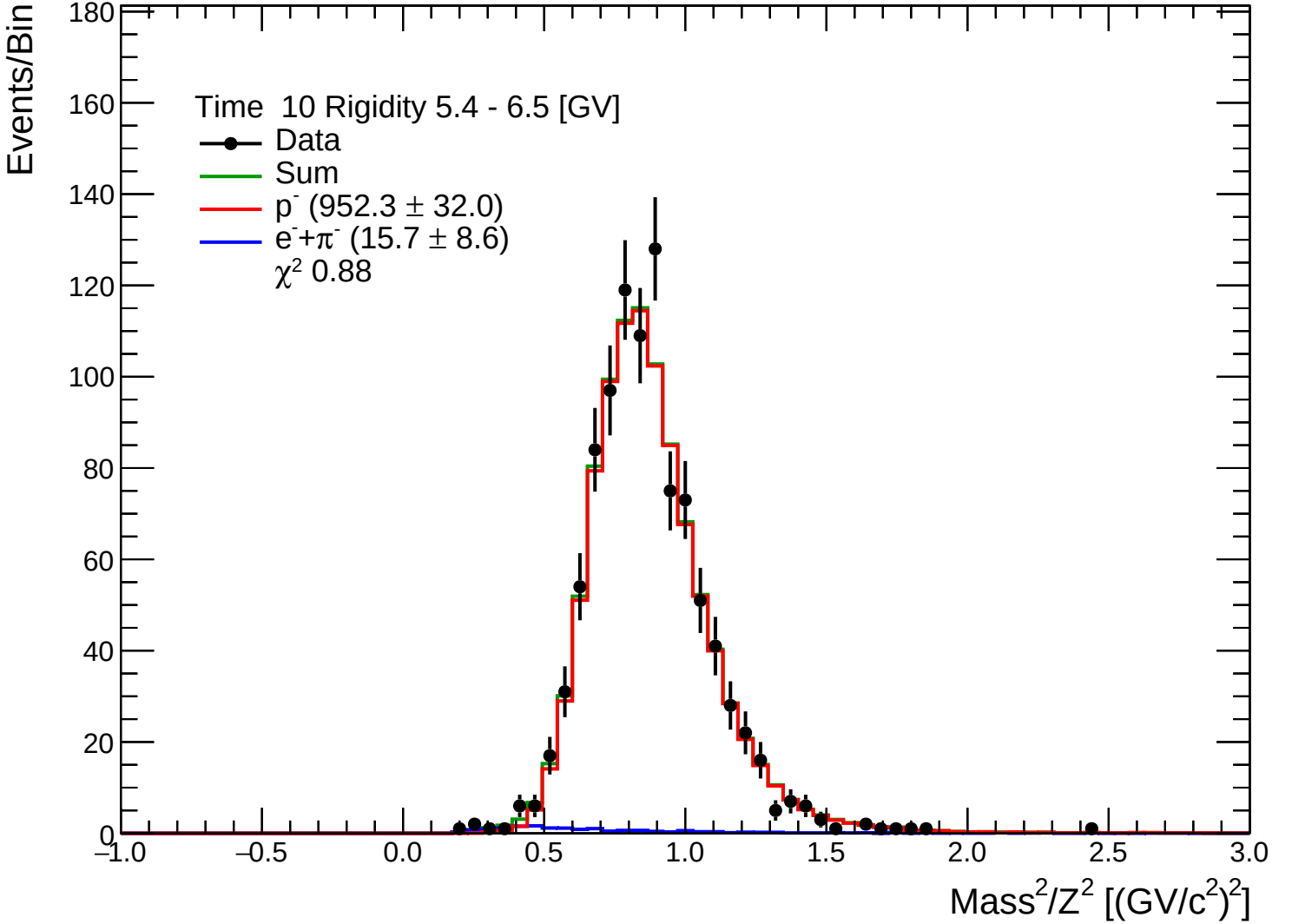

Events/Bin
400
350
300
250
200
150
100
50
0
934
936
938
940
942
944
946
Number [Temp 0]

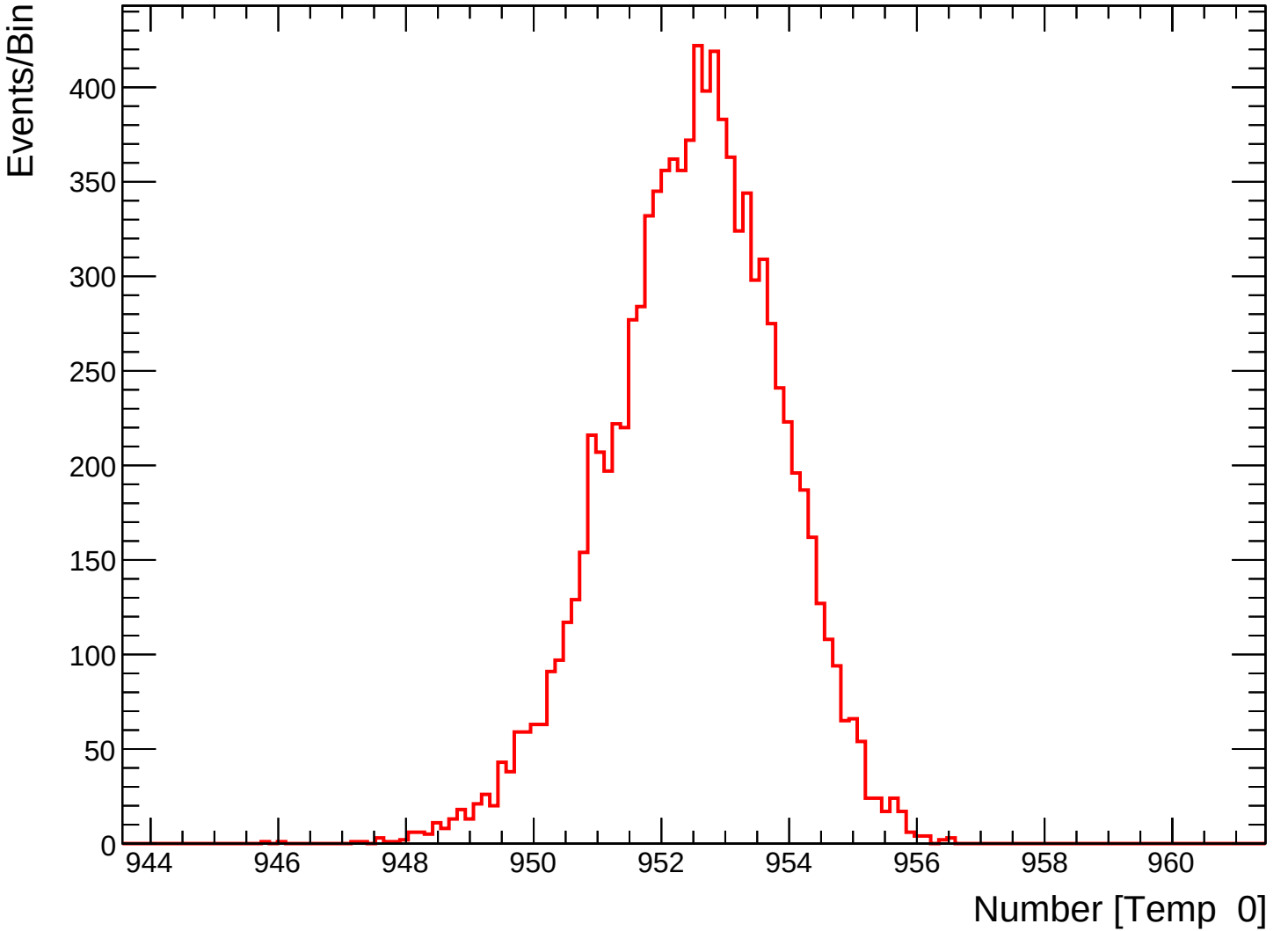

Time 10 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (404.1 ± 23.8)
e⁻+π⁻ (27.9 ± 13.7)
χ² 1.00
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

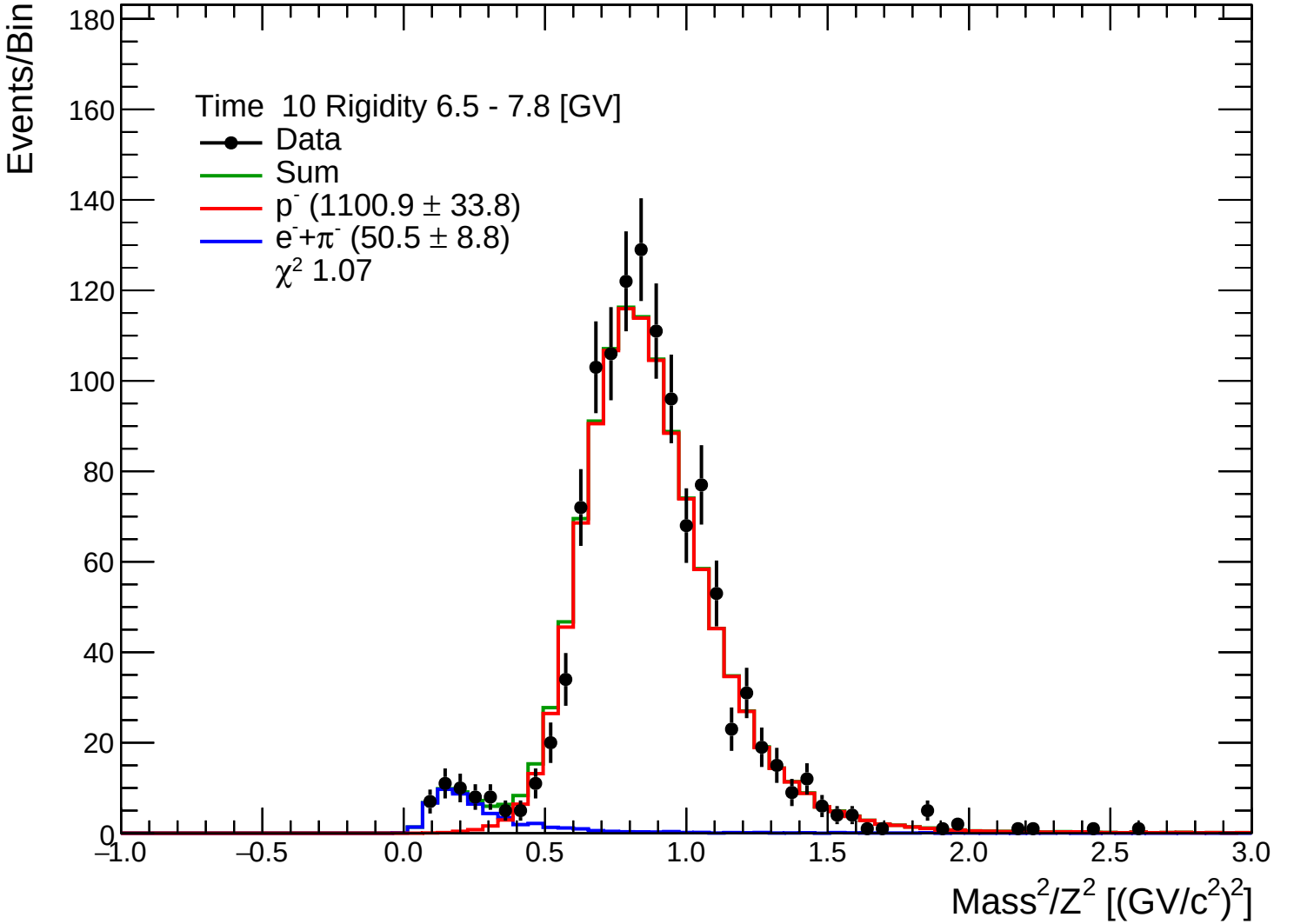

Events/Bin
400
350
300
250
200
150
100
50
0
390
395
400
405
410
415
420
Number [Temp 0]

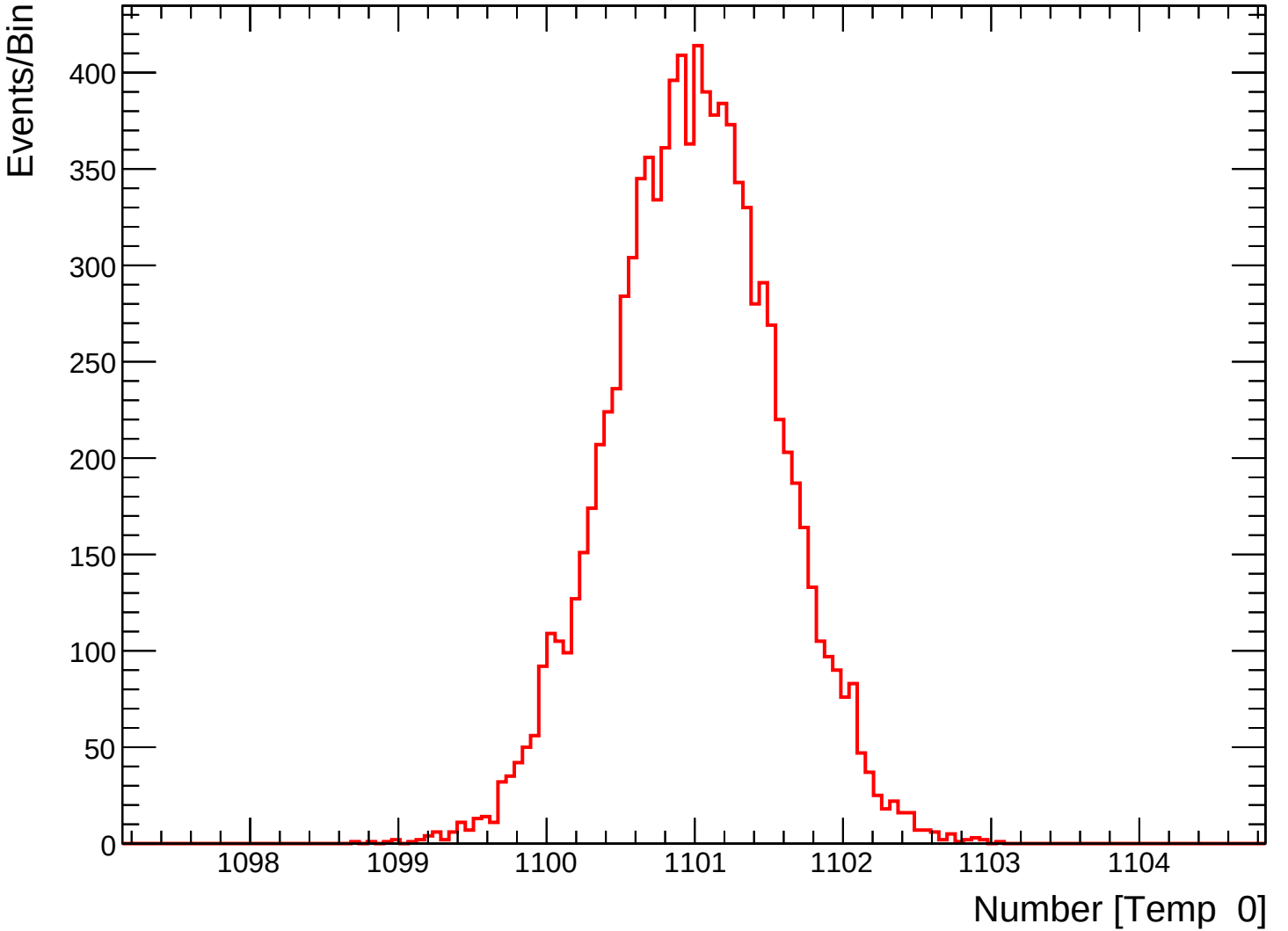

Time 10 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (839.6 ± 31.5)
e⁻+π⁻ (0.0 ± 11.8)
χ² 1.15
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

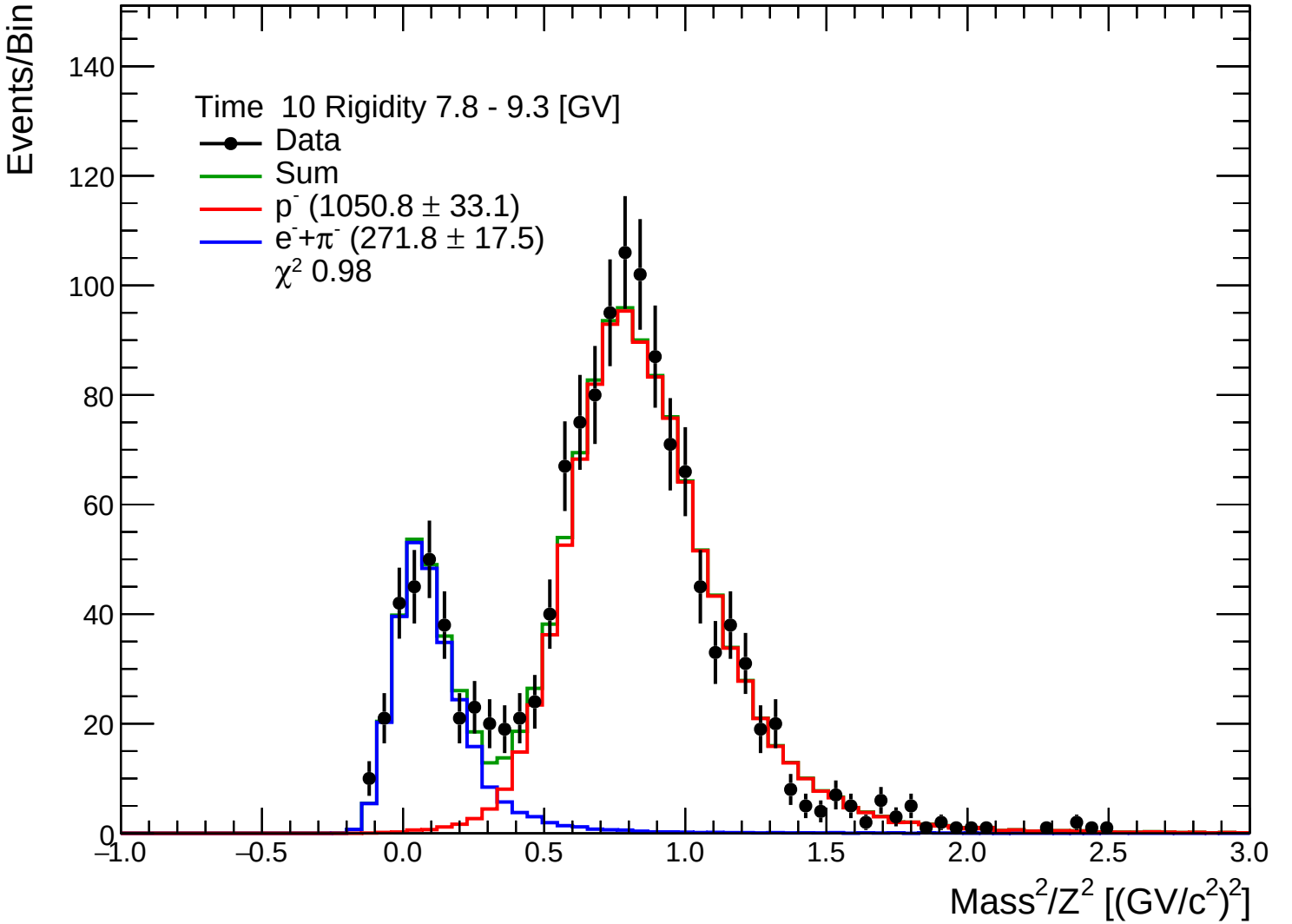

Events/Bin
600
500
400
300
200
100
0
820
825
830
835
840
845
850
Number [Temp 0]

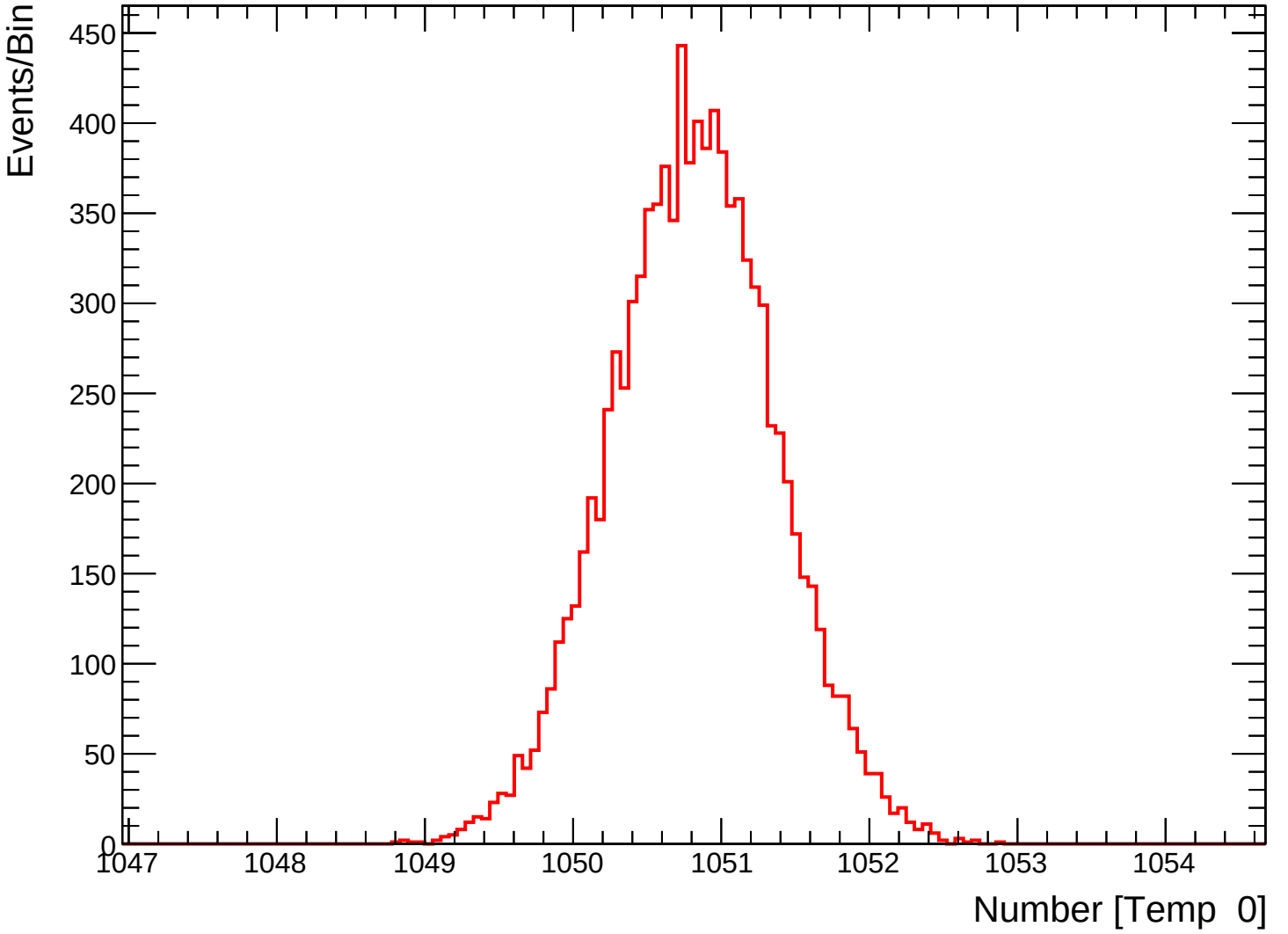

Time 10 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (952.3 ± 32.0)
e⁻+π⁻ (15.7 ± 8.6)
χ² 0.88
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

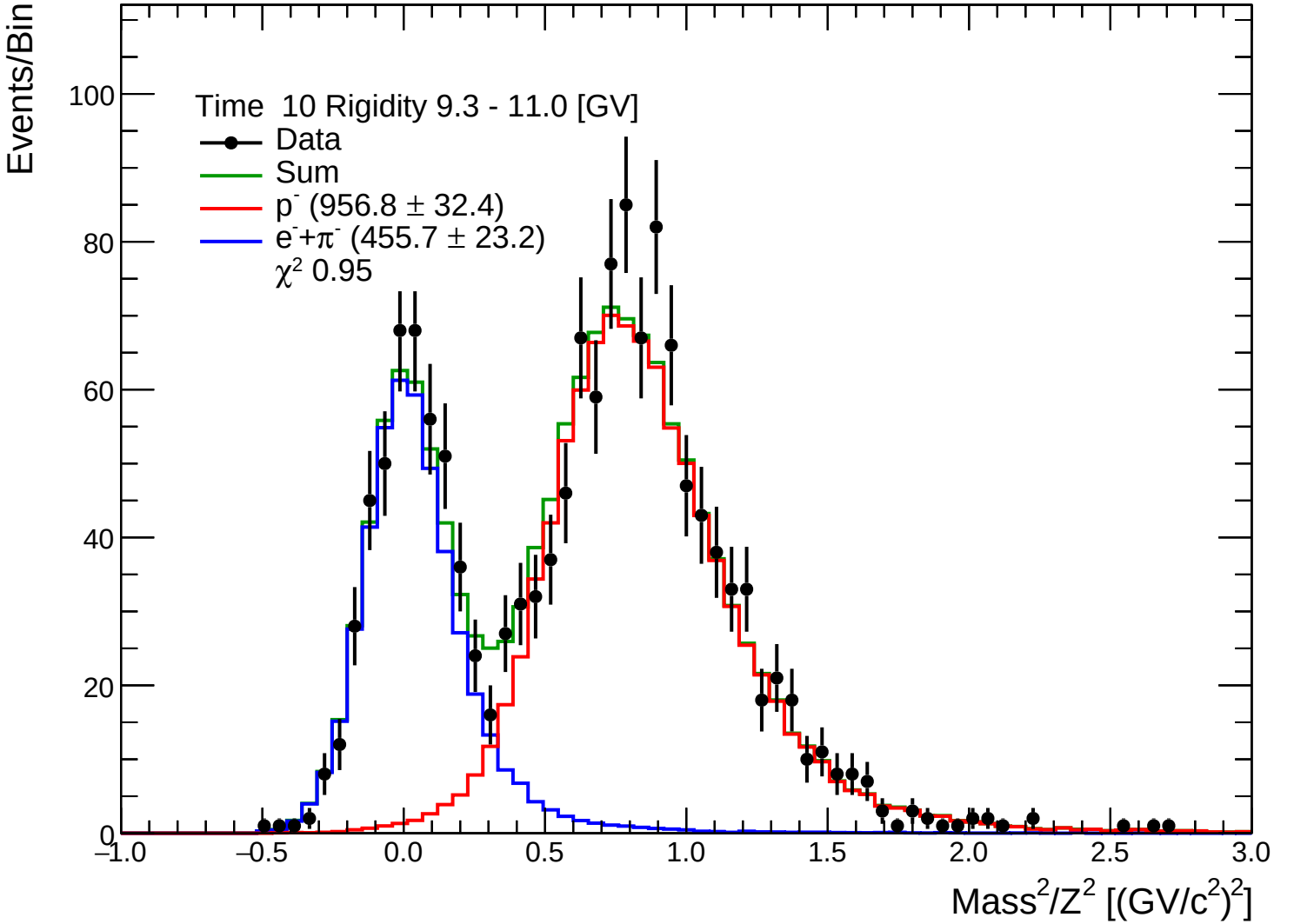

Events/Bin
0
50
100
150
200
250
300
350
400
944
946
948
950
952
954
956
958
960
Number [Temp 0]

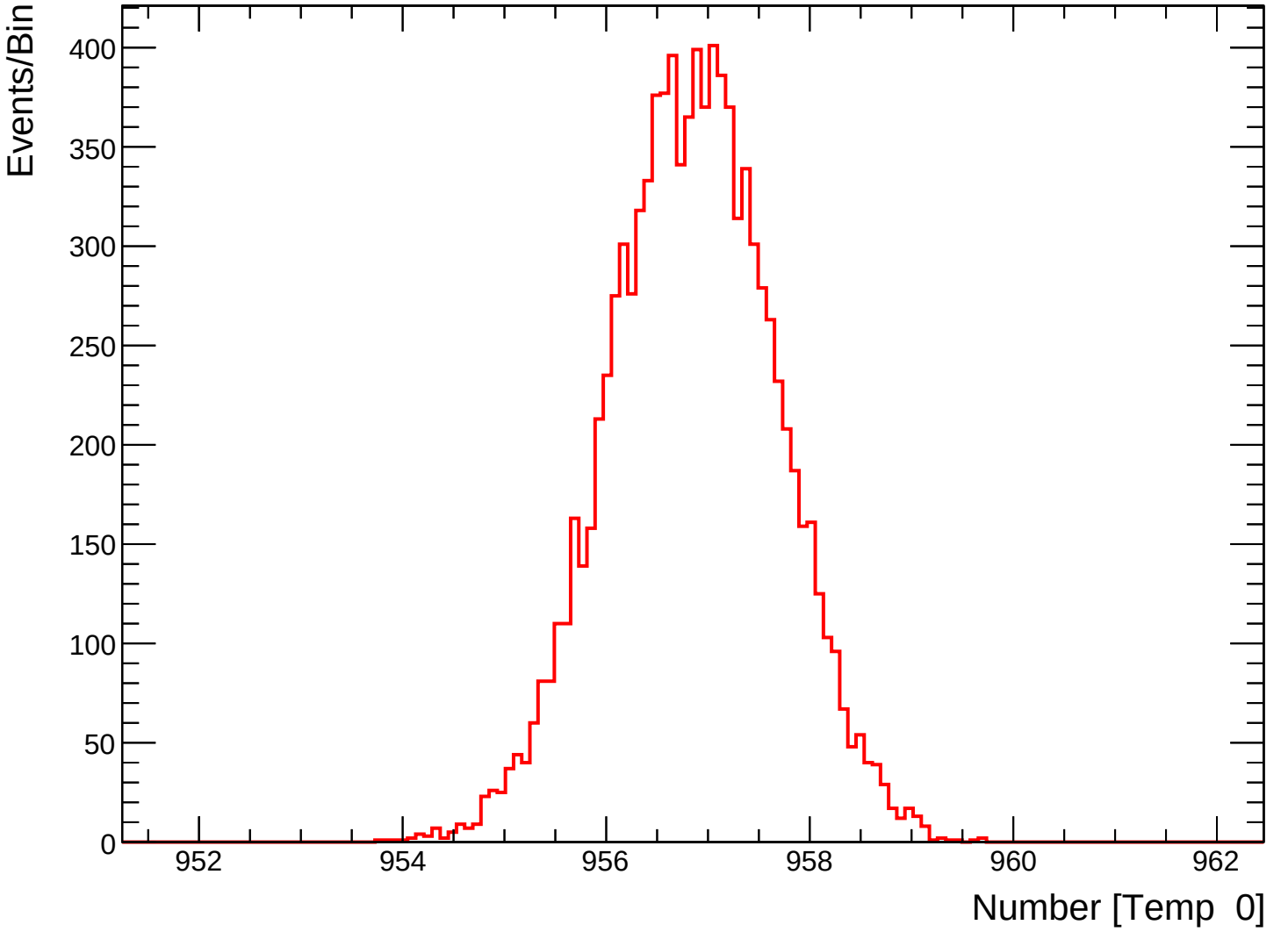

Time 10 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1100.9 ± 33.8)
e⁻+π⁻ (50.5 ± 8.8)
χ² 1.07
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

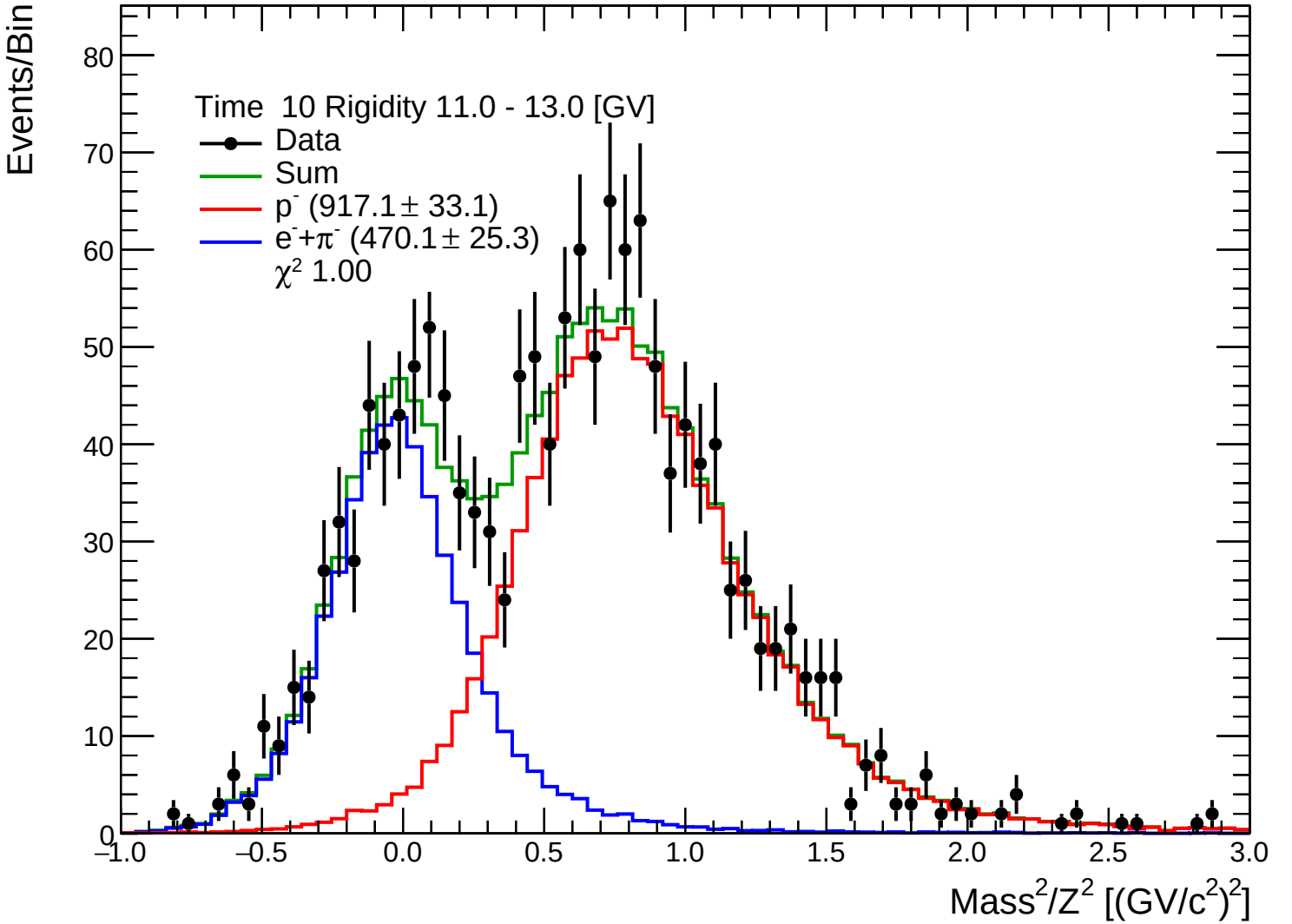

Events/Bin
400
350
300
250
200
150
100
50
0
1098
1099
1100
1101
1102
1103
1104
Number [Temp 0]

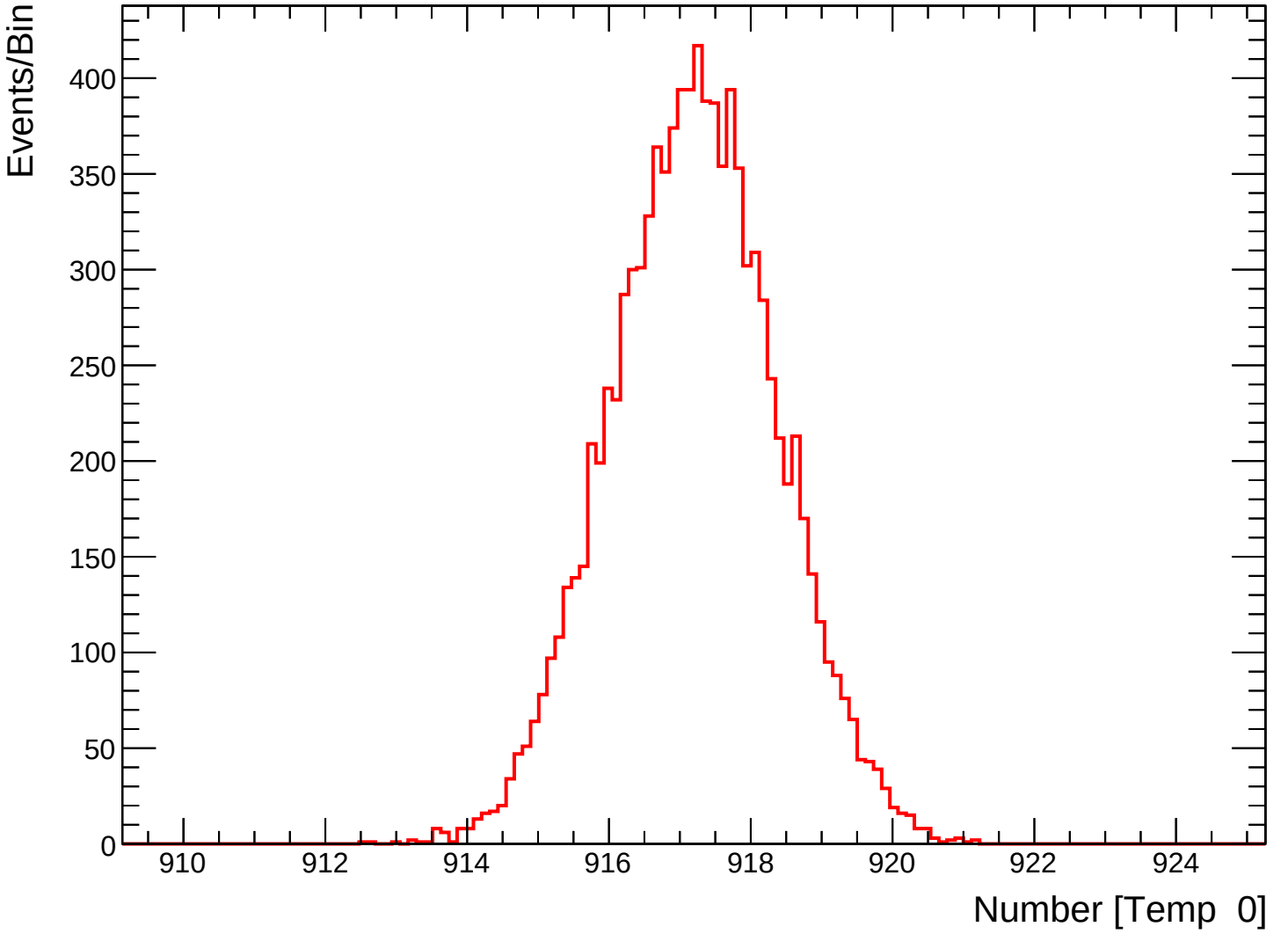

Time 10 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1050.8 ± 33.1)
e⁻+π⁻ (271.8 ± 17.5)
χ² 0.98
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

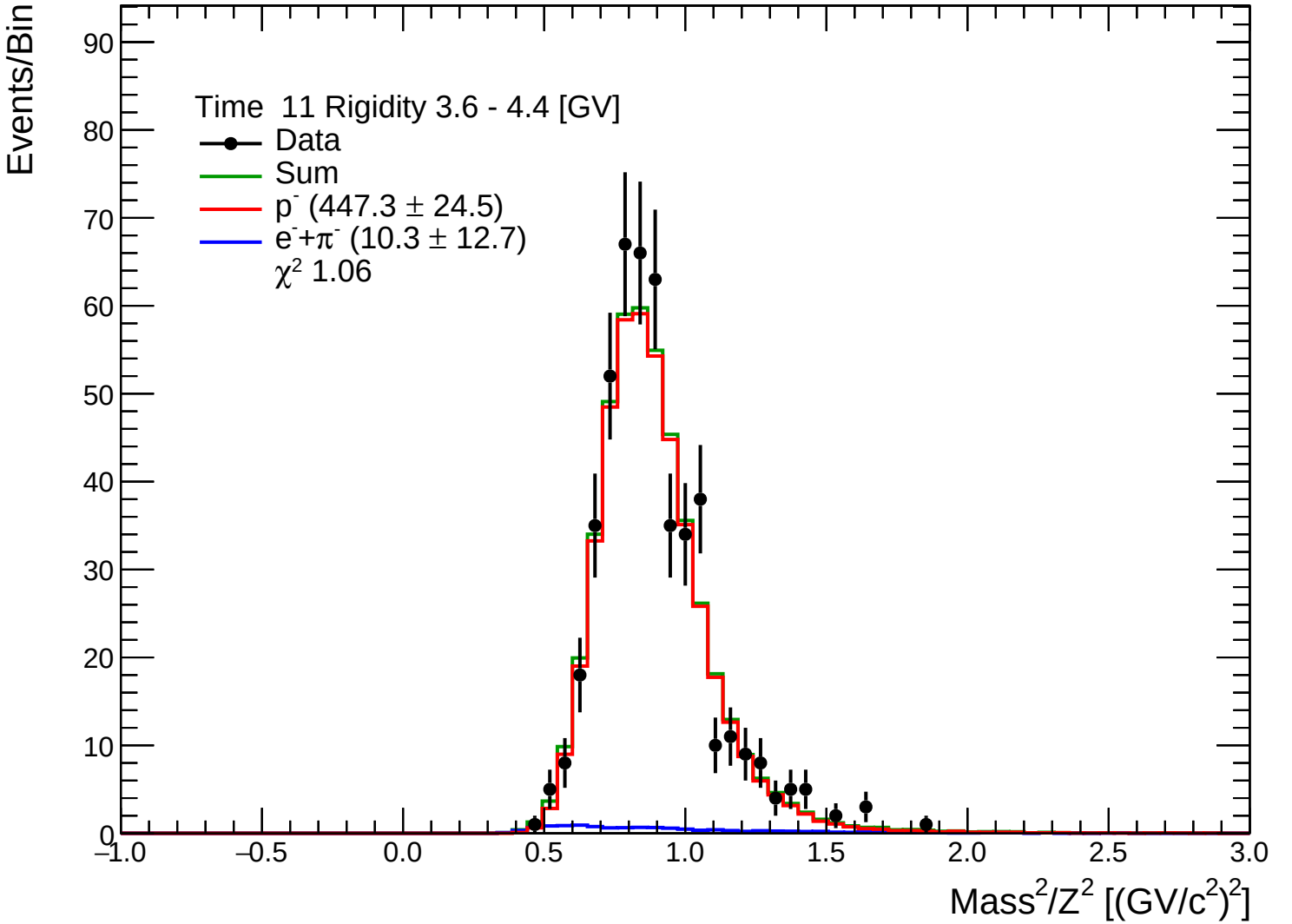

Events/Bin
450
400
350
300
250
200
150
100
50
0
1047
1048
1049
1050
1051
1052
1053
1054
Number [Temp 0]

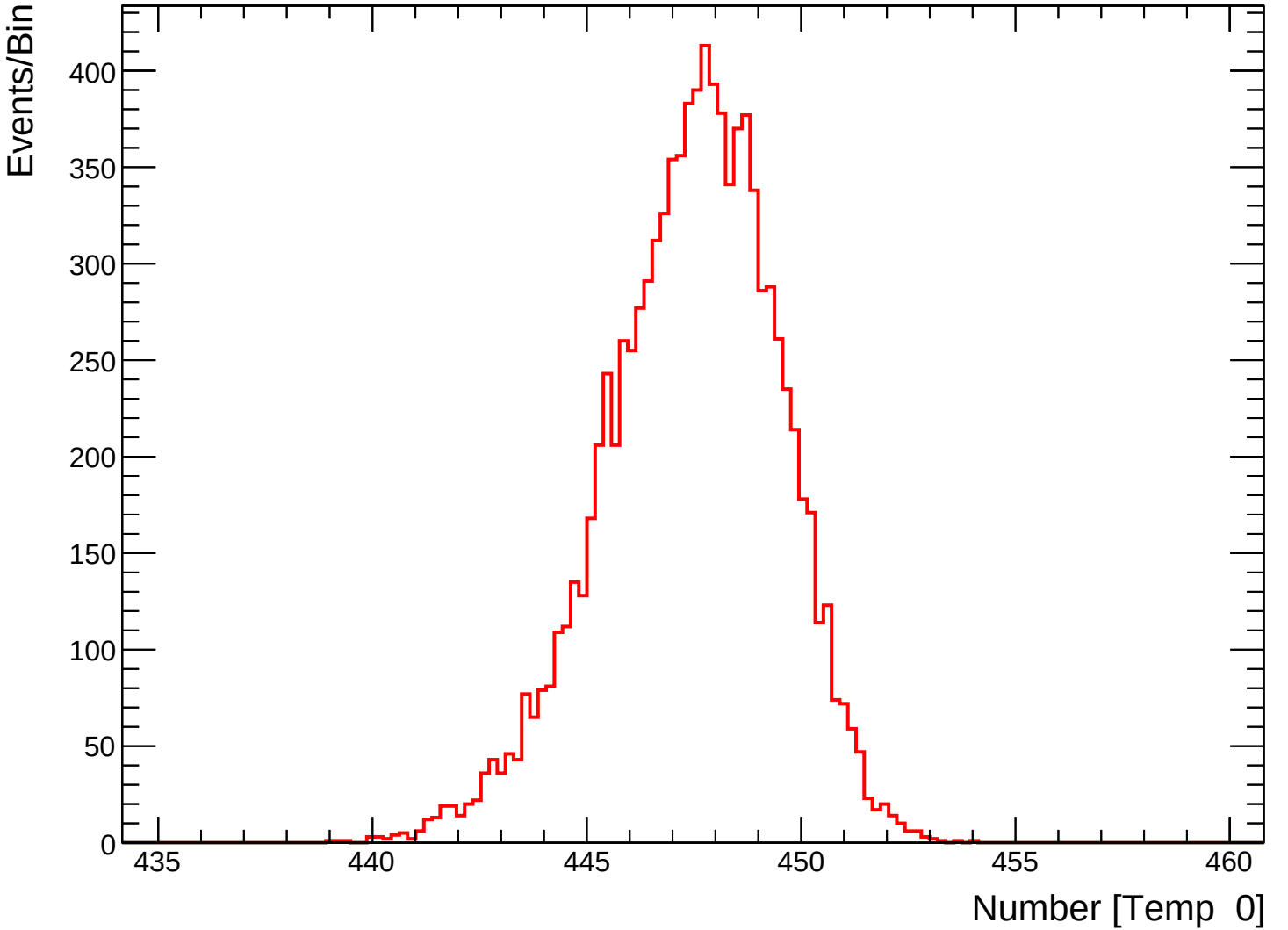

Time 10 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (956.8 ± 32.4)
e⁻+π⁻ (455.7 ± 23.2)
χ² 0.95
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

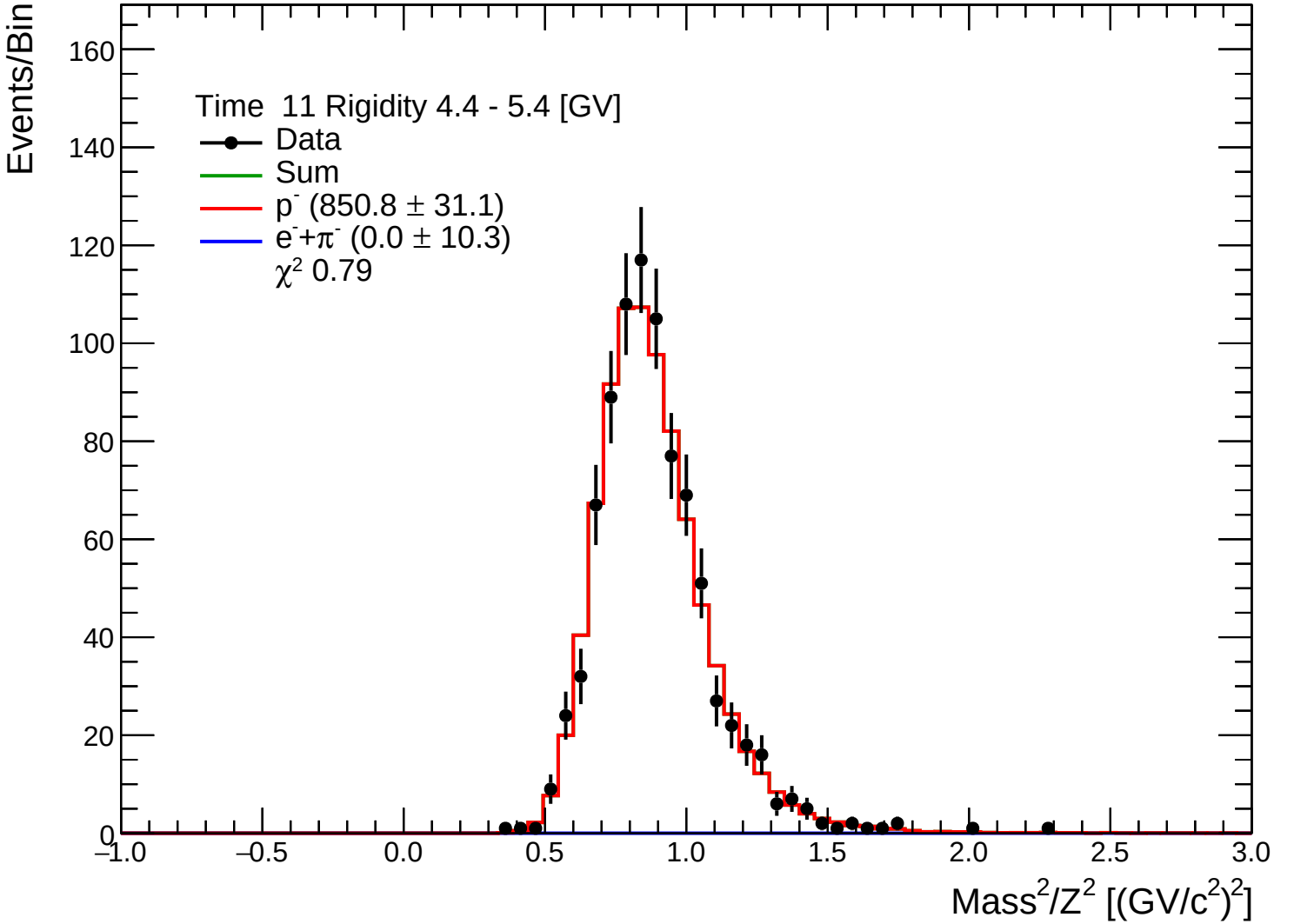

Events/Bin
400
350
300
250
200
150
100
50
0
952
954
956
958
960
962
Number [Temp 0]

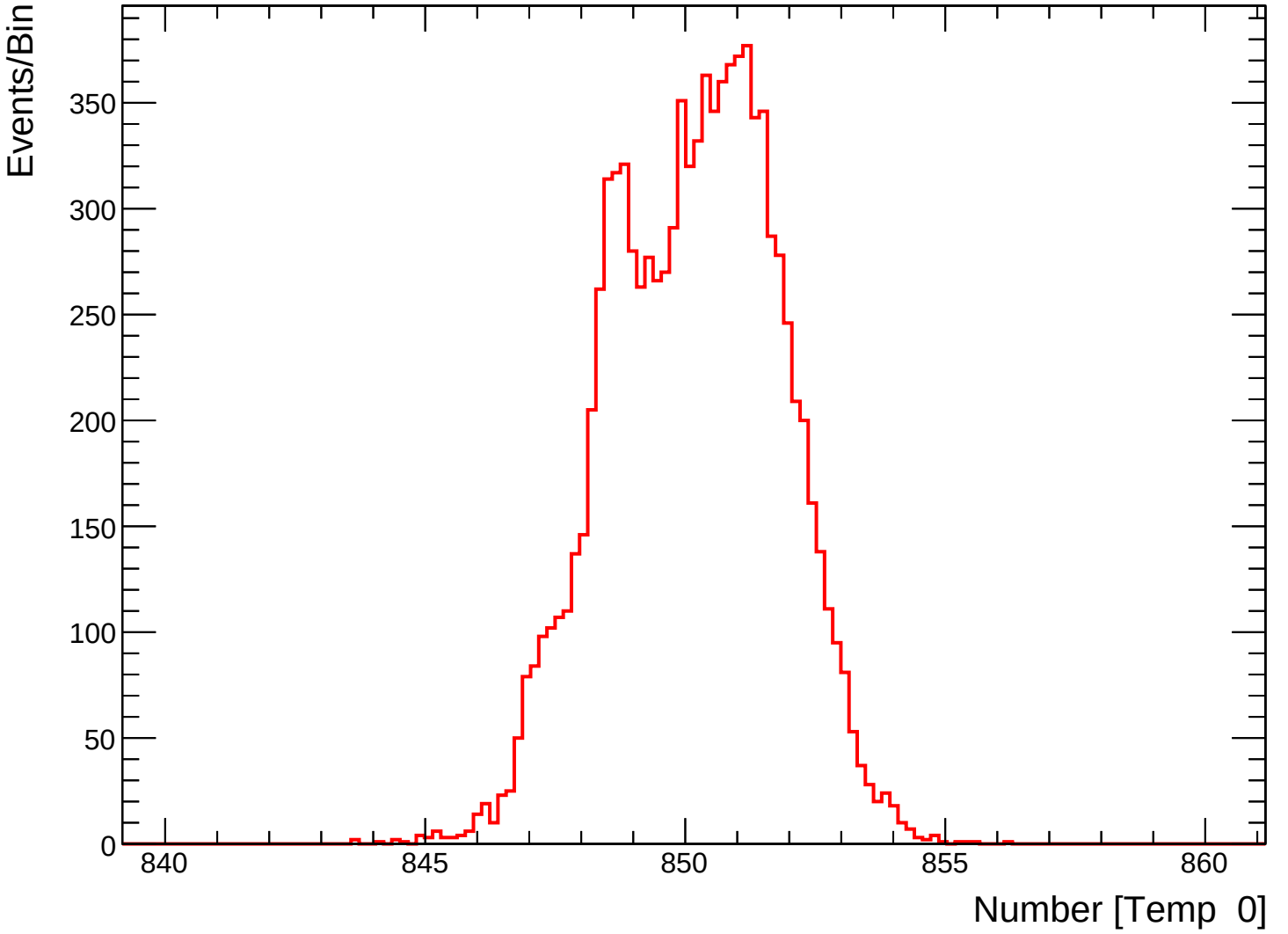

Time 10 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (917.1 ± 33.1)
e⁻+π⁻ (470.1 ± 25.3)
χ² 1.00
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

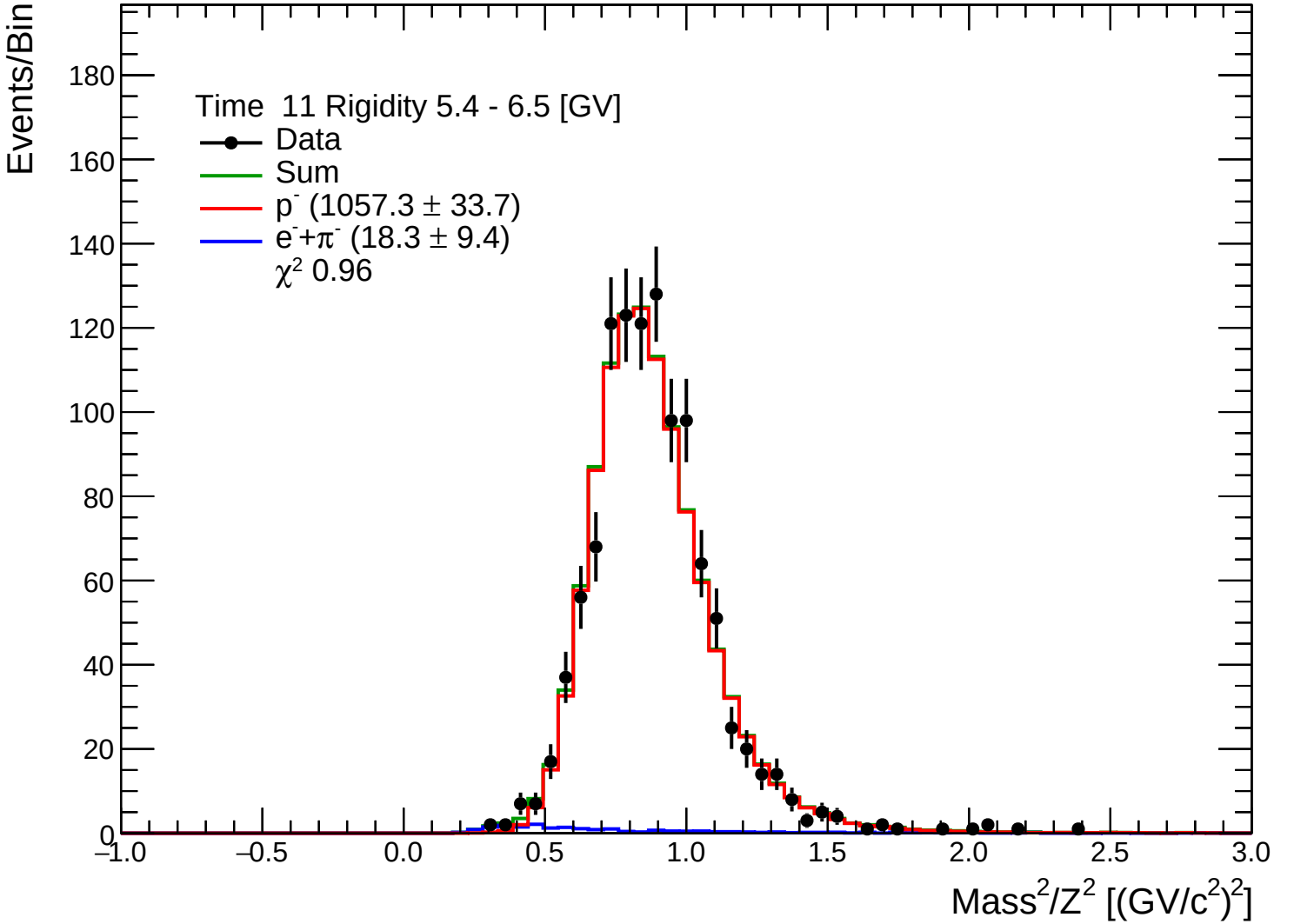

Events/Bin
400
350
300
250
200
150
100
50
0
910
912
914
916
918
920
922
924
Number [Temp 0]

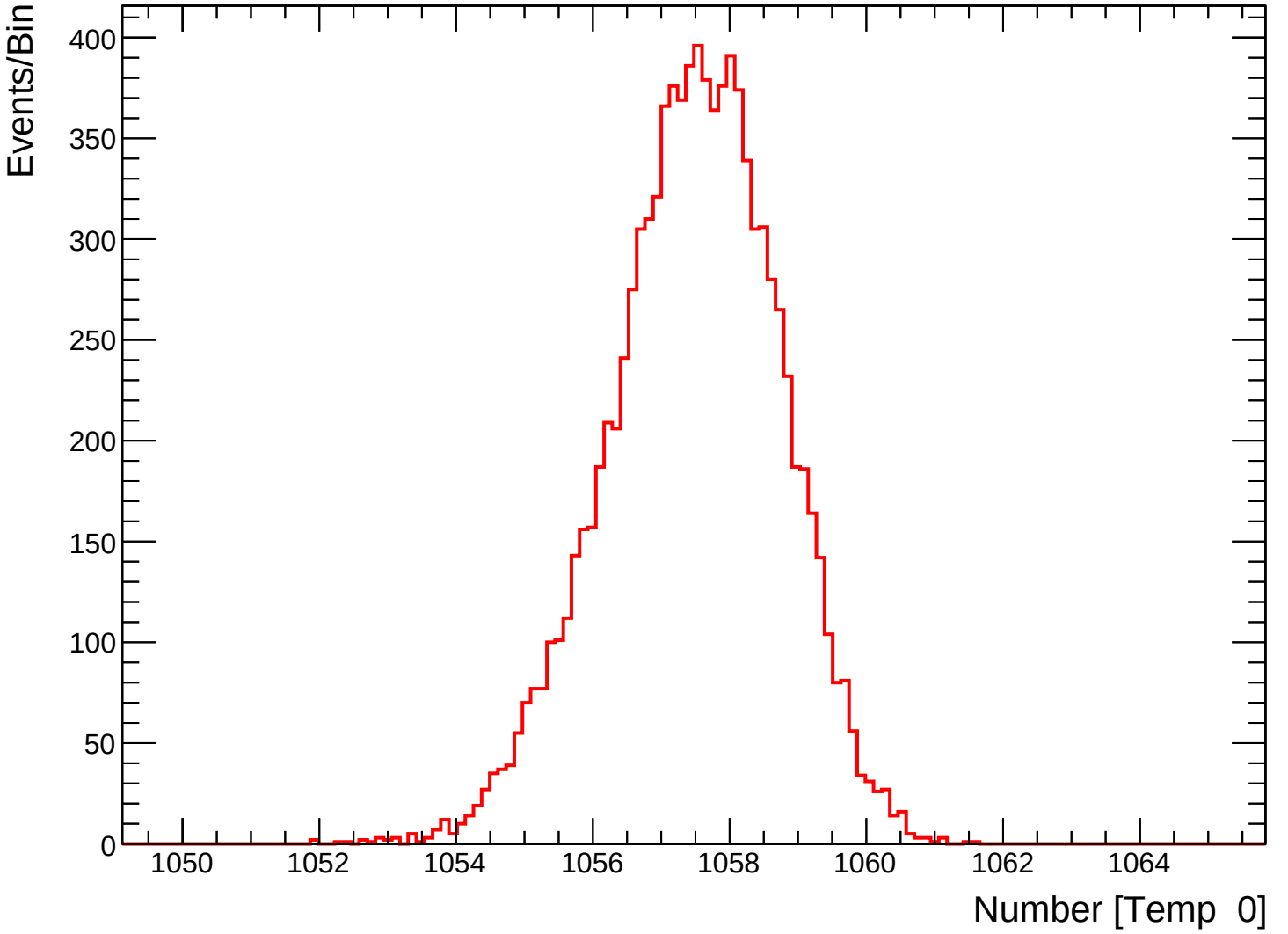

Time 11 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (447.3 ± 24.5)
e⁻+π⁻ (10.3 ± 12.7)
χ² 1.06
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

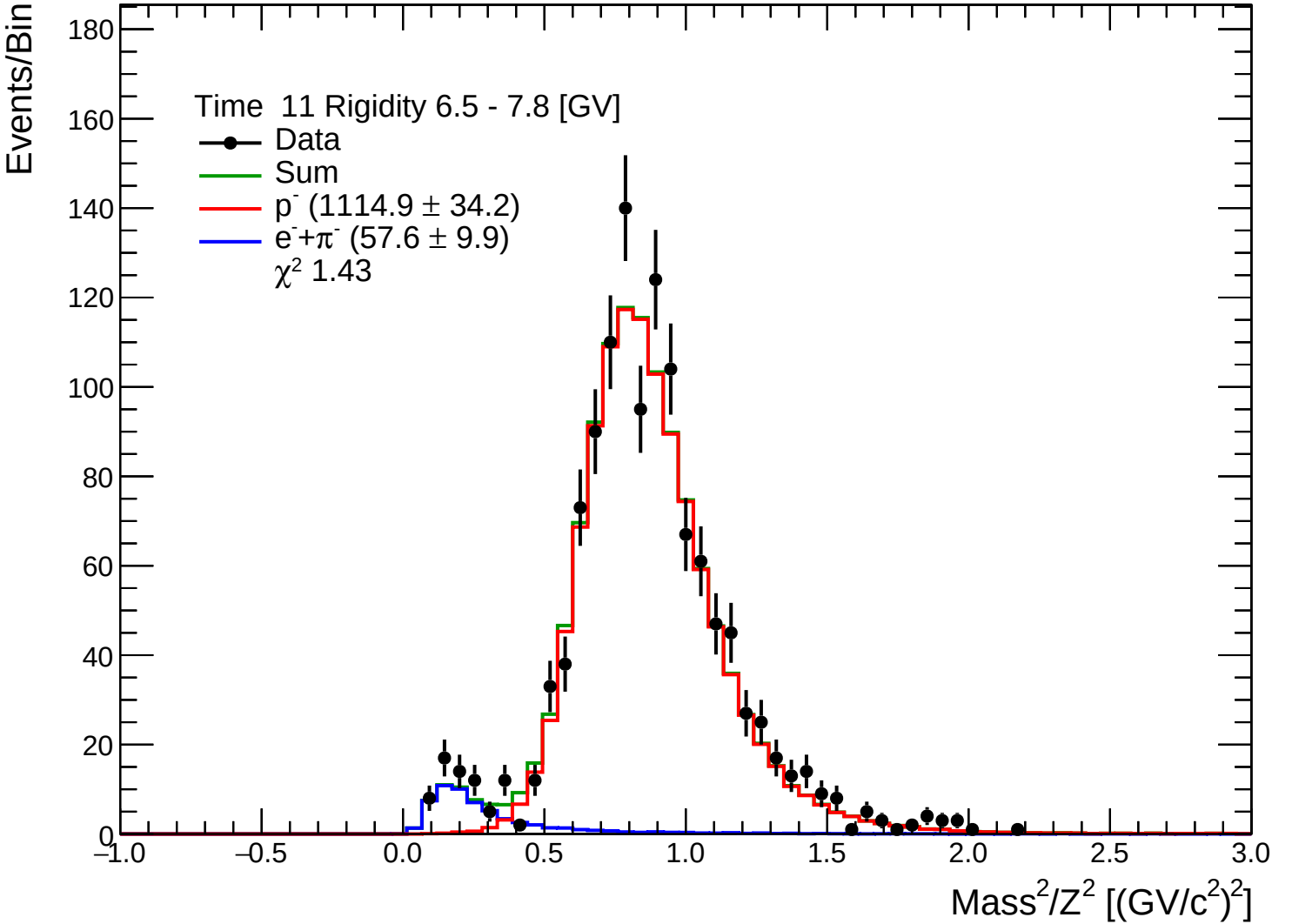

Events/Bin
400
350
300
250
200
150
100
50
0
435
440
445
450
455
460
Number [Temp 0]

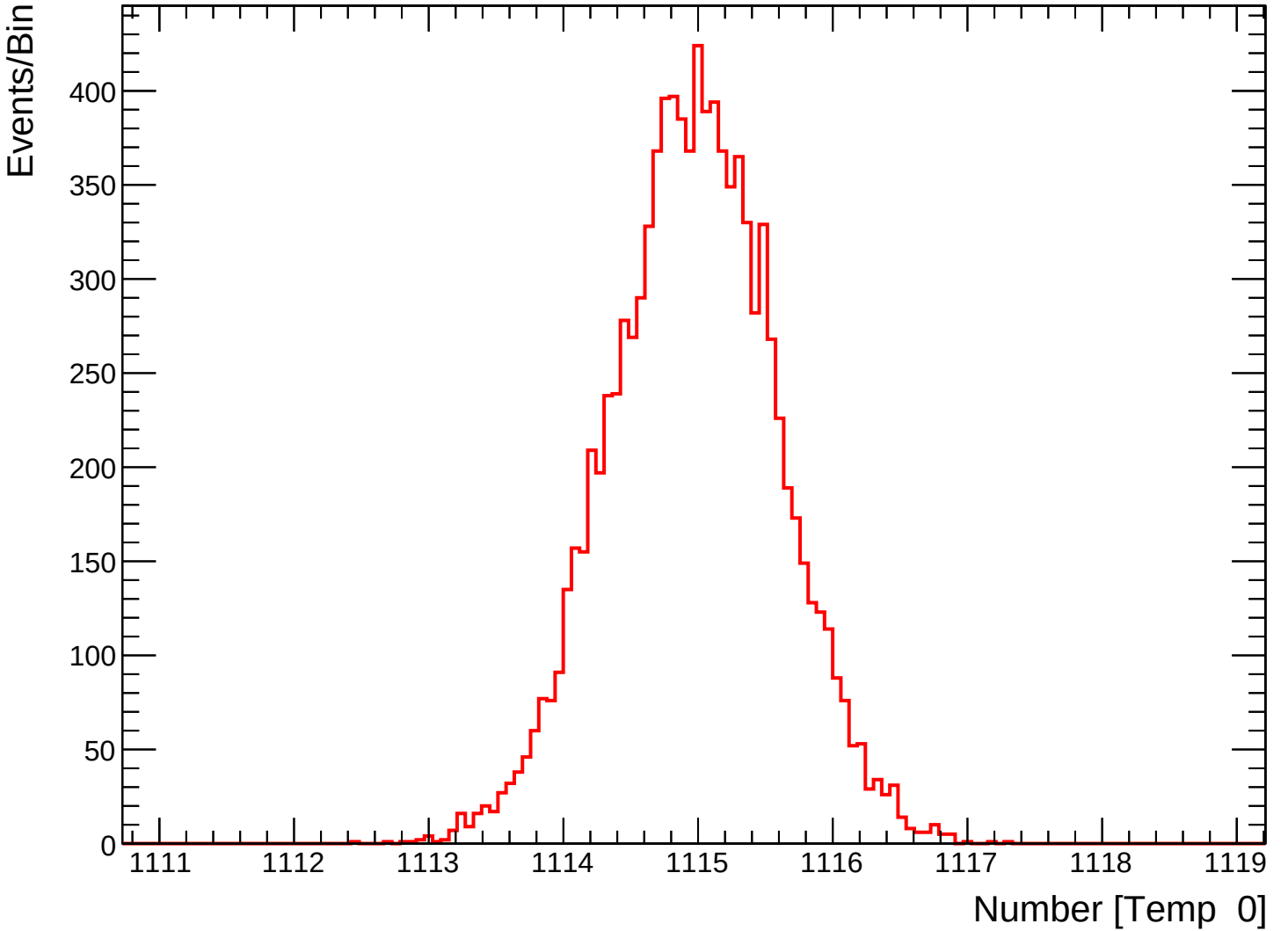

Time 11 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (850.8 ± 31.1)
e⁻+π⁻ (0.0 ± 10.3)
χ² 0.79
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

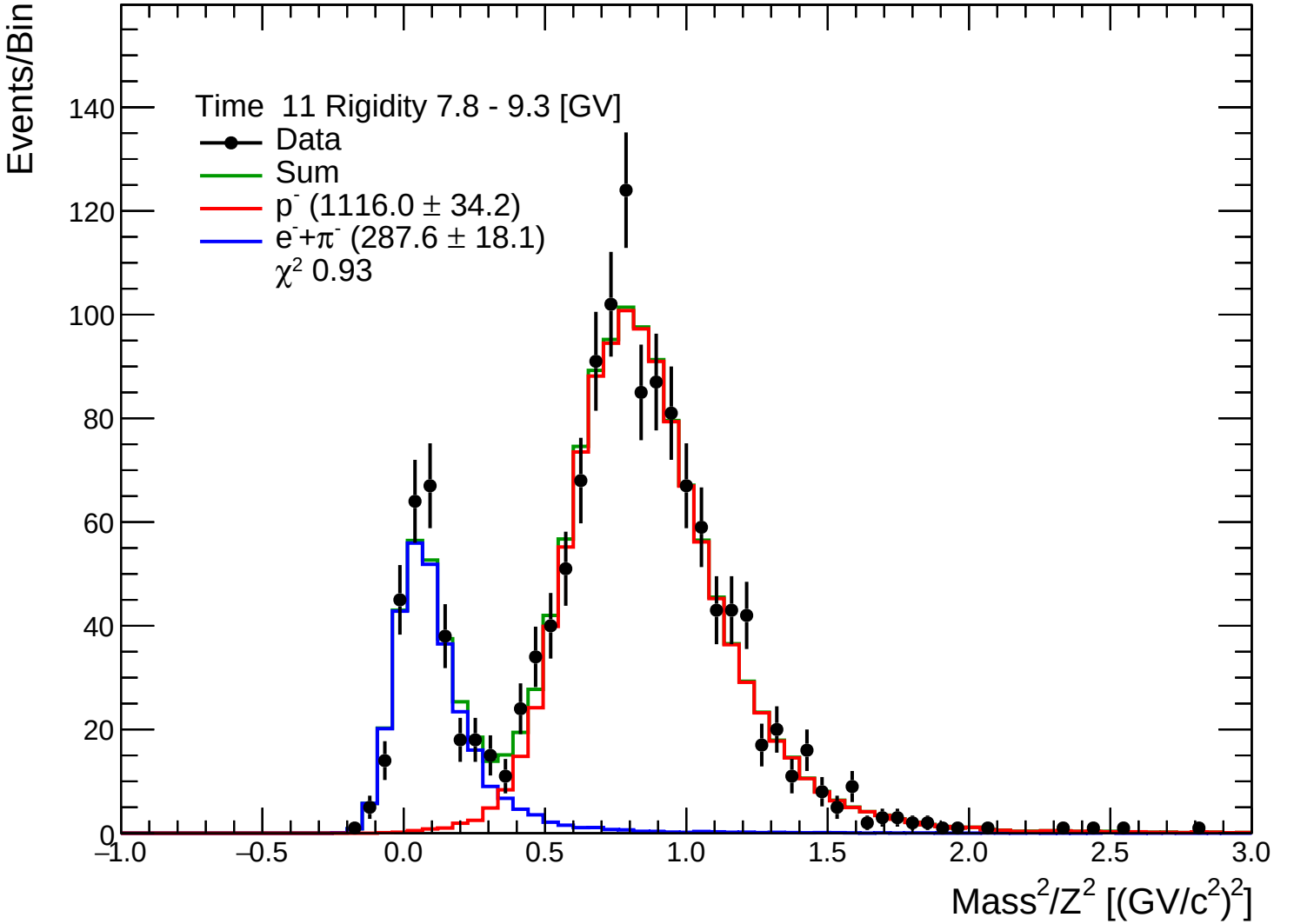

Events/Bin
350
300
250
200
150
100
50
0
840
845
850
855
860
Number [Temp 0]

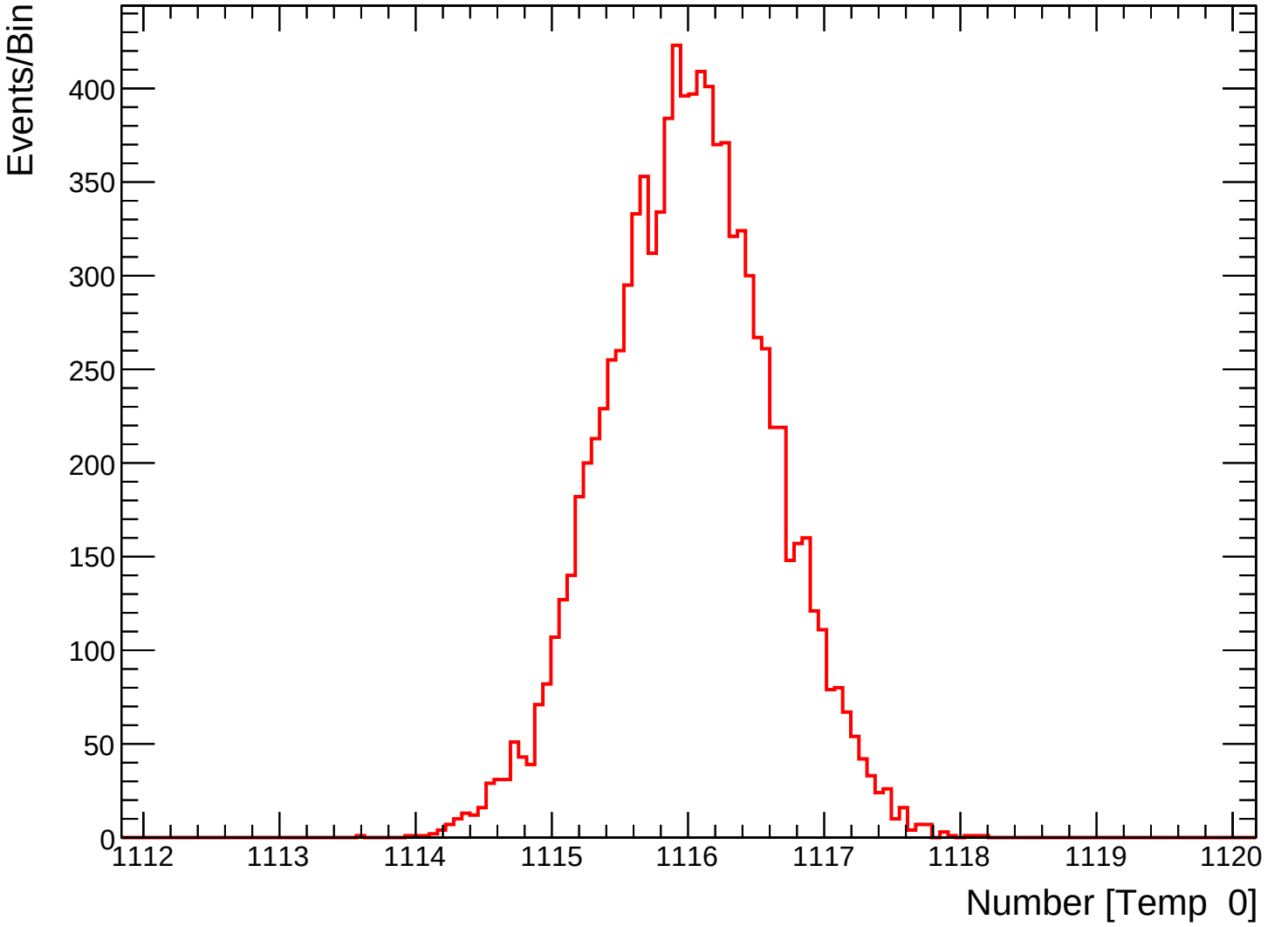

Time 11 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (1057.3 ± 33.7)
e⁻+π⁻ (18.3 ± 9.4)
χ² 0.96
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

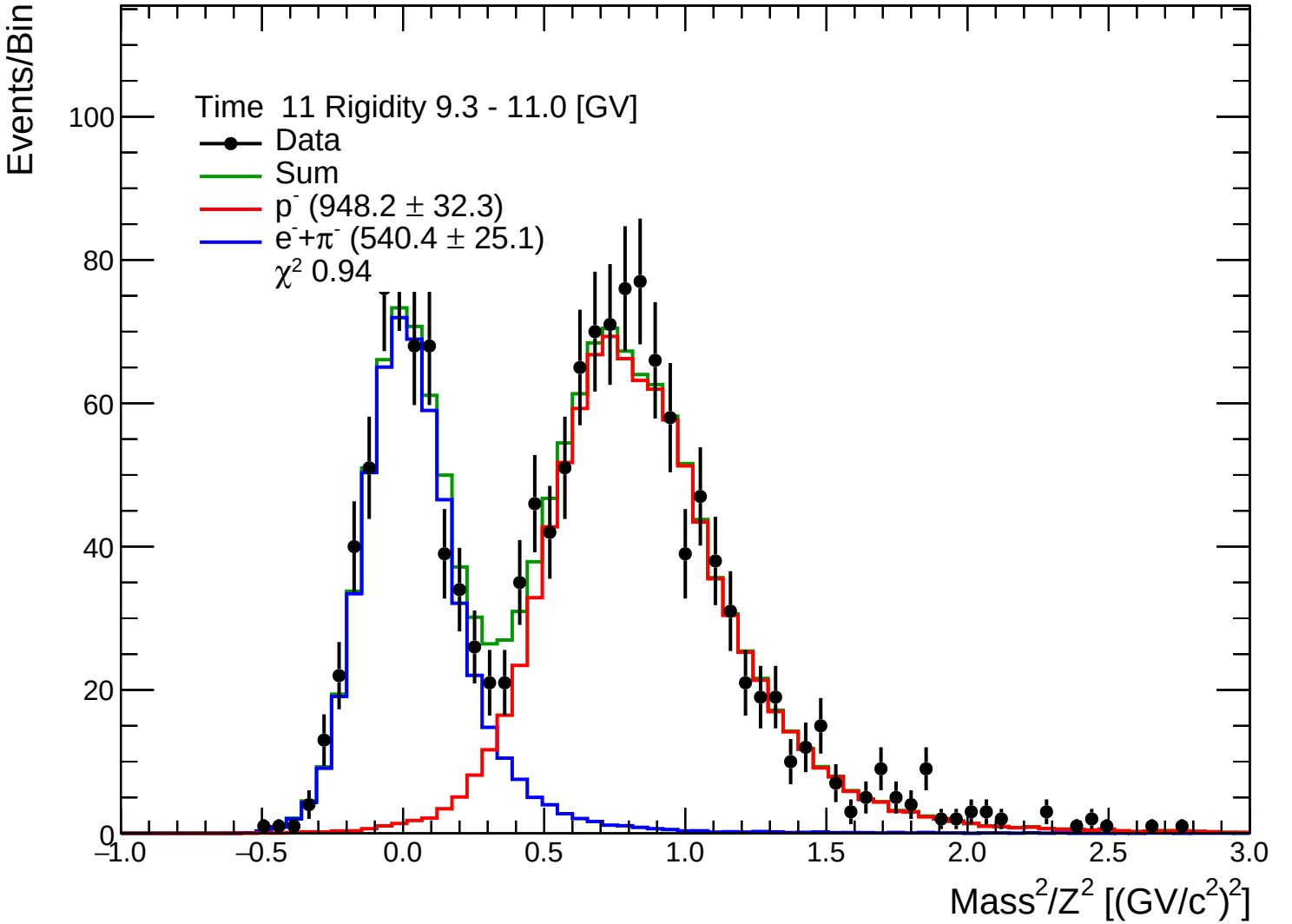

Events/Bin
400
350
300
250
200
150
100
50
0
1050
1052
1054
1056
1058
1060
1062
1064
Number [Temp 0]

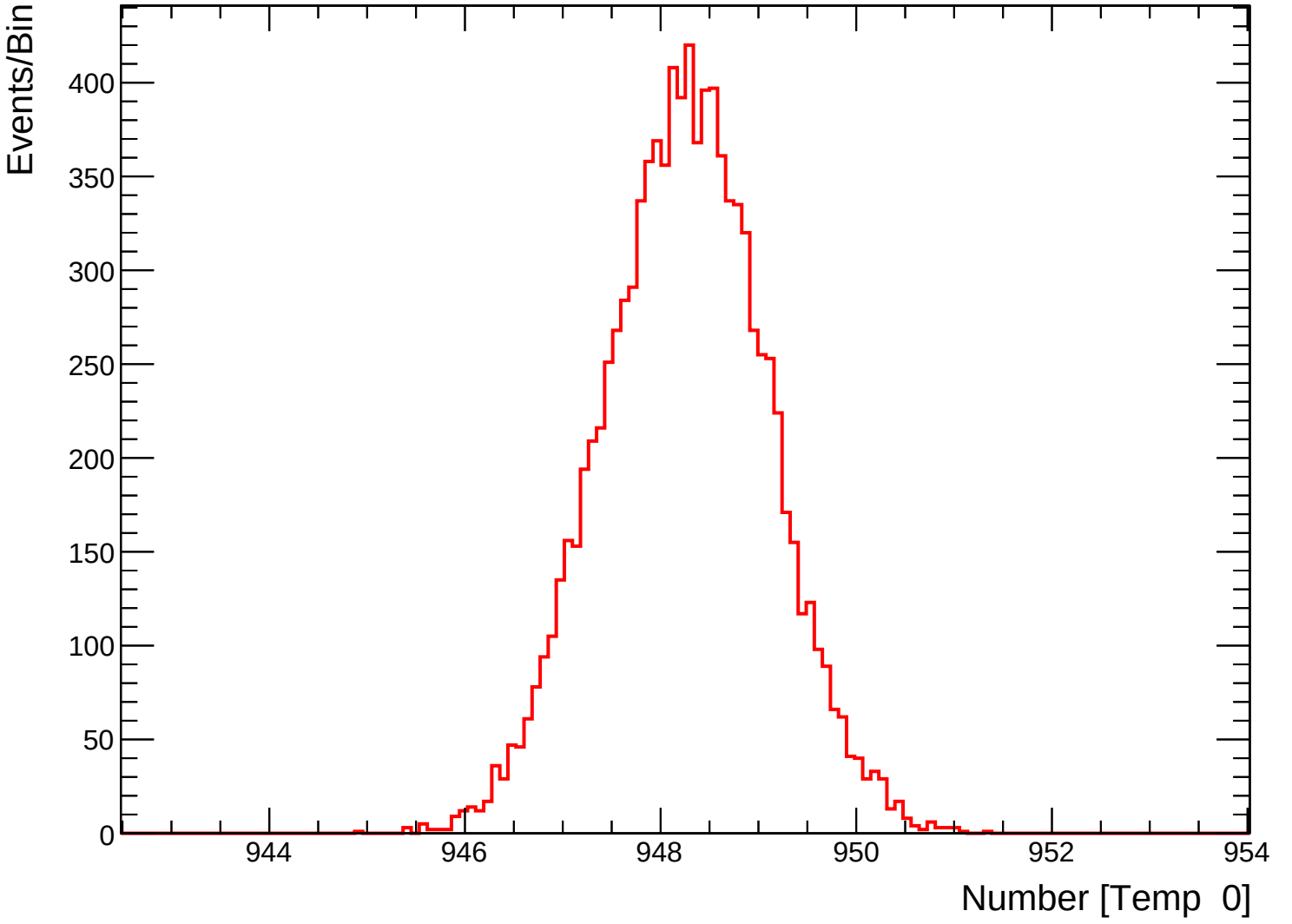

Time 11 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1114.9 ± 34.2)
e⁻+π⁻ (57.6 ± 9.9)
χ² 1.43
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

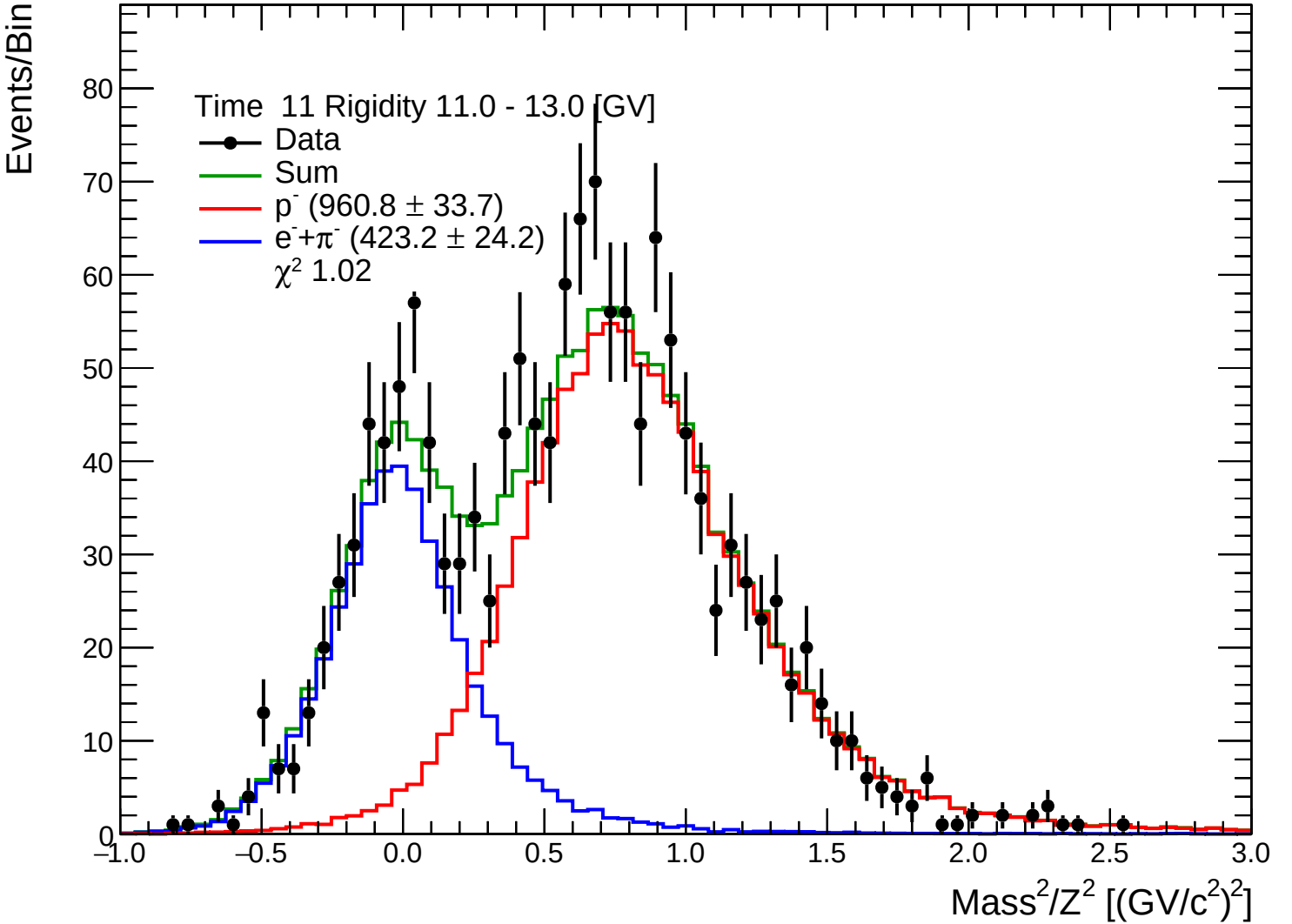

Events/Bin
400
350
300
250
200
150
100
50
0
1111
1112
1113
1114
1115
1116
1117
1118
1119
Number [Temp 0]

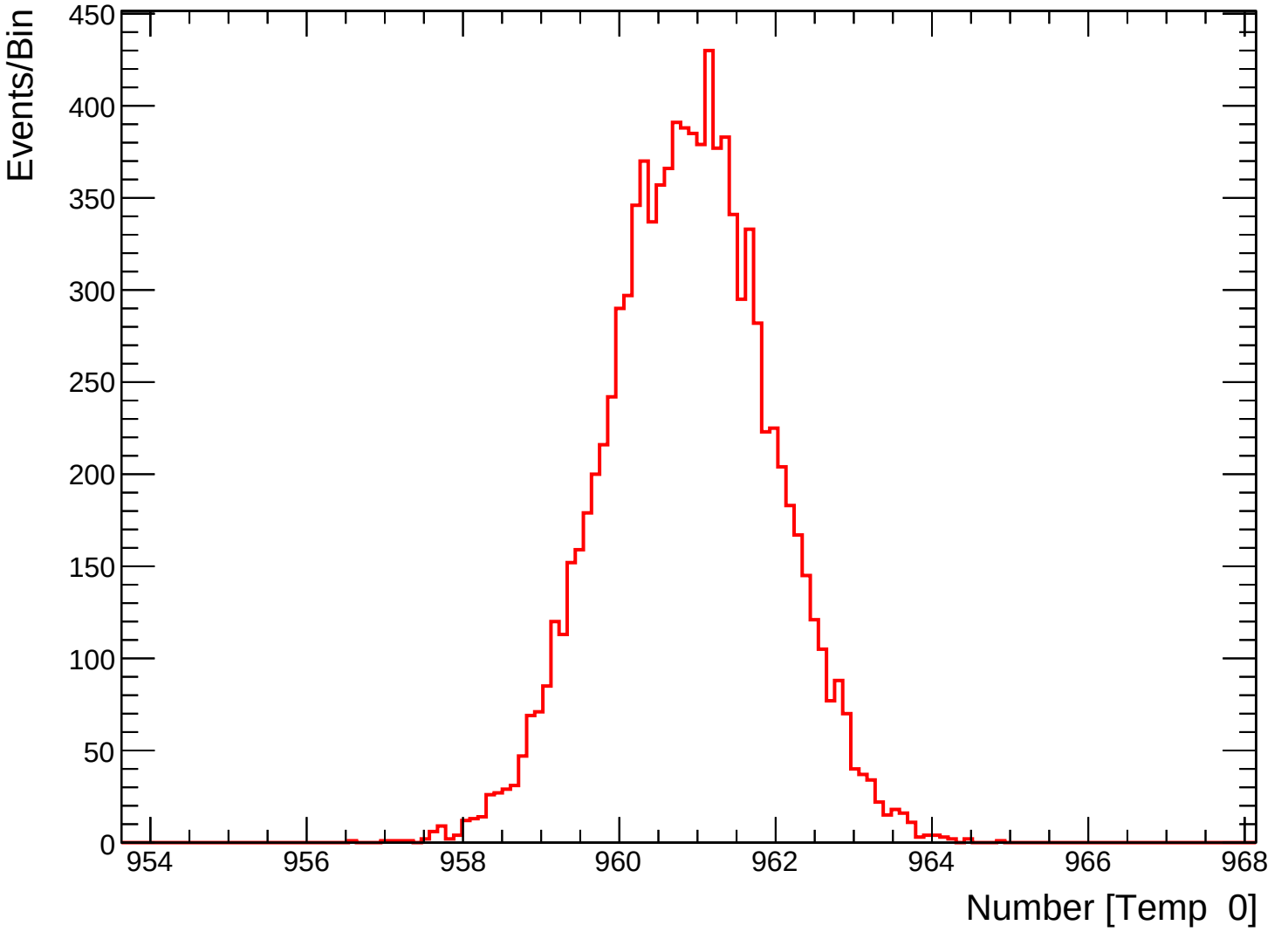

Time 11 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1116.0 ± 34.2)
e⁻+π⁻ (287.6 ± 18.1)
χ² 0.93
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

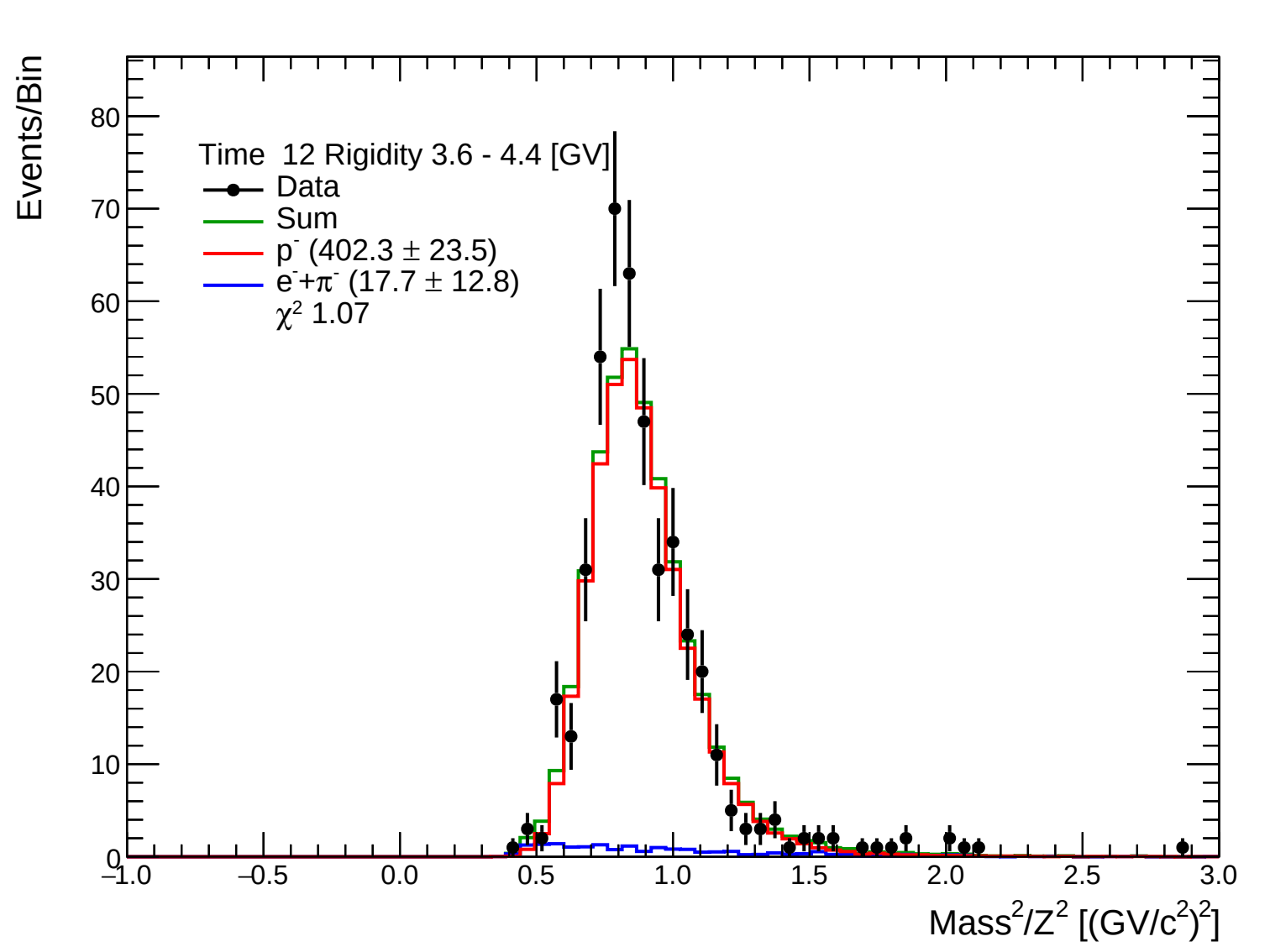

Events/Bin
0
50
100
150
200
250
300
350
400
1112
1113
1114
1115
1116
1117
1118
1119
1120
Number [Temp 0]

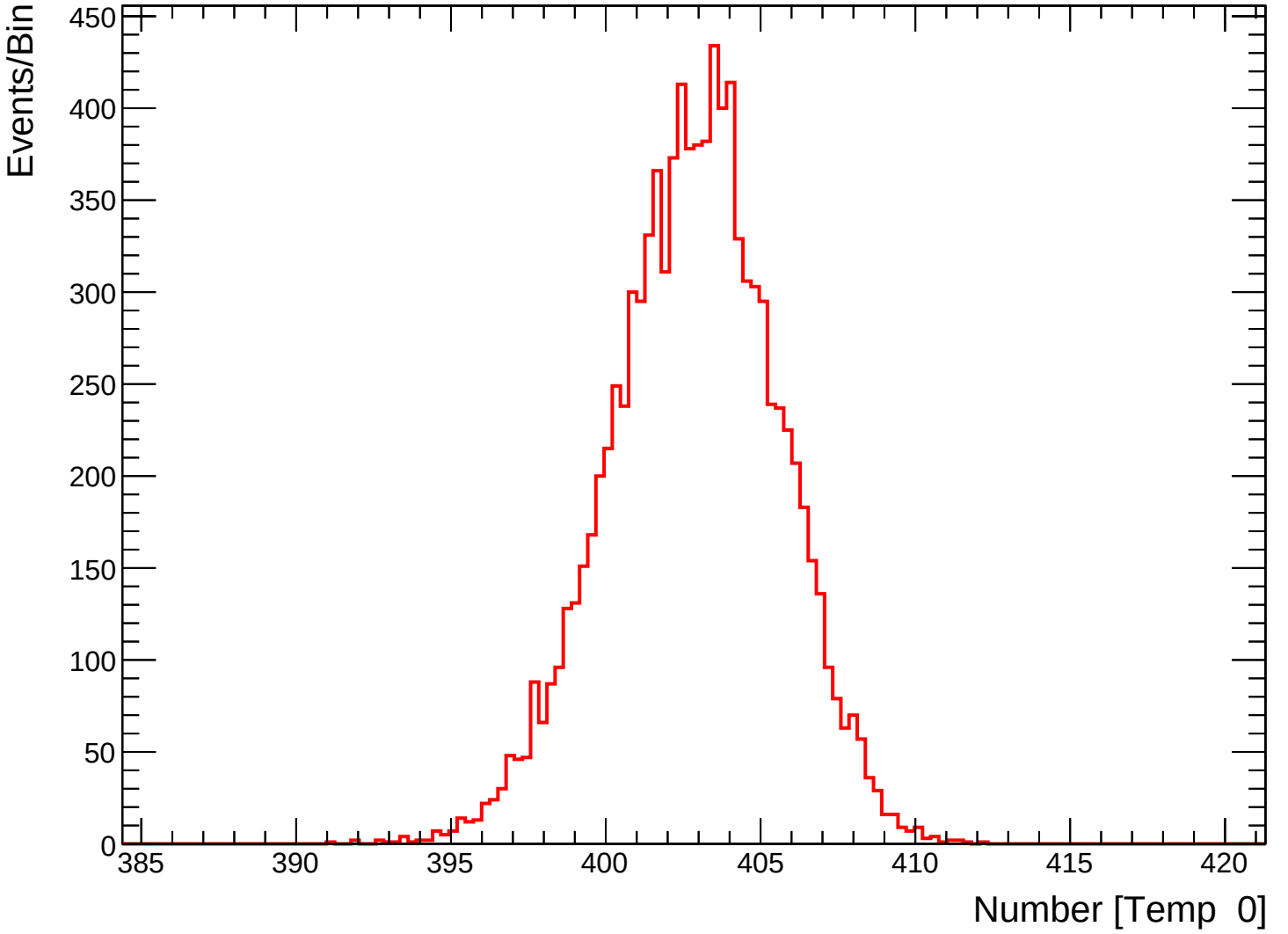

Time 11 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (948.2 ± 32.3)
e⁻+π⁻ (540.4 ± 25.1)
χ² 0.94
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

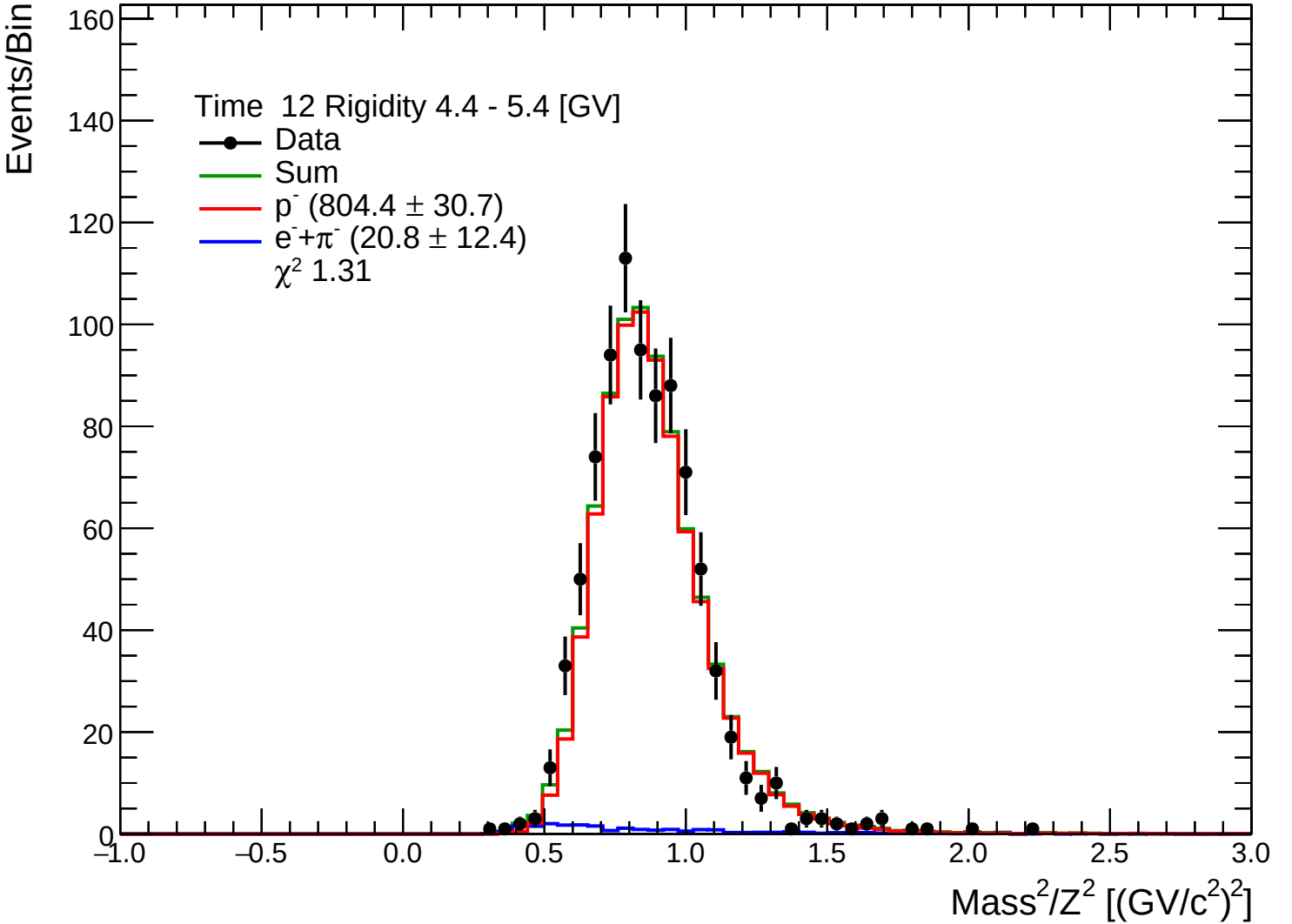

Events/Bin
400
350
300
250
200
150
100
50
0
944
946
948
950
952
954
Number [Temp 0]

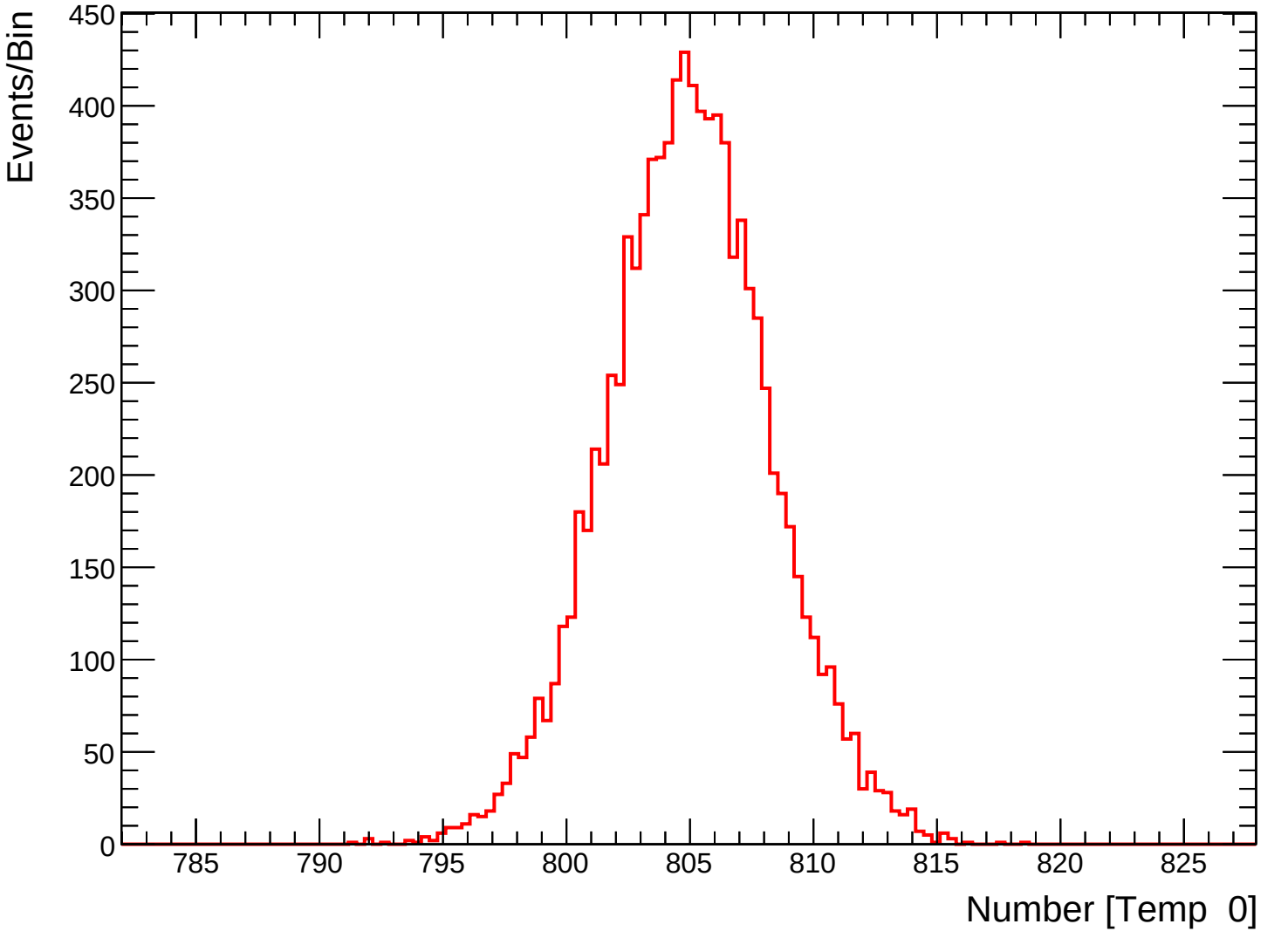

Time 11 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (960.8 ± 33.7)
e⁻+π⁻ (423.2 ± 24.2)
χ² 1.02
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

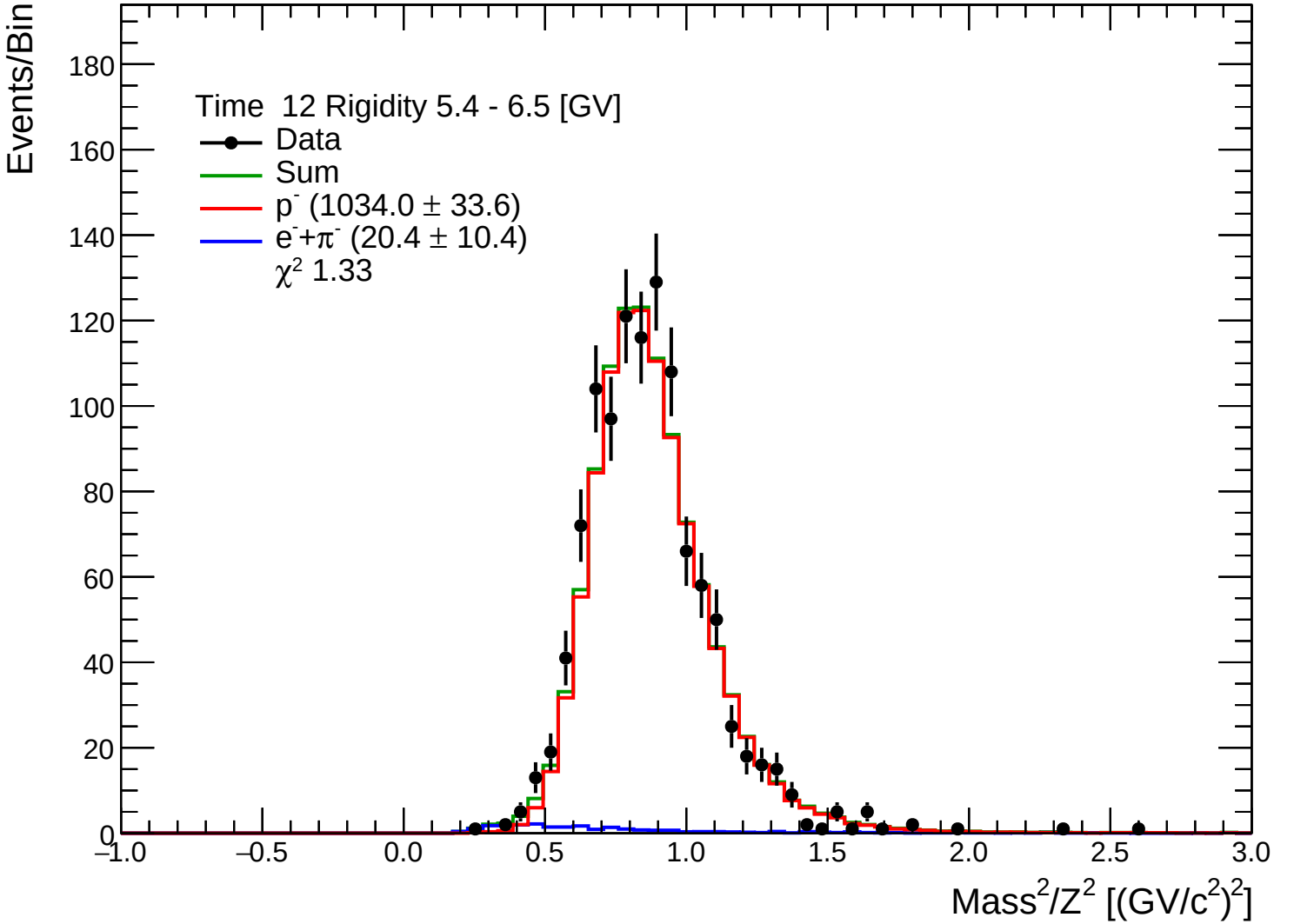

Events/Bin
450
400
350
300
250
200
150
100
50
0
954
956
958
960
962
964
966
968
Number [Temp 0]

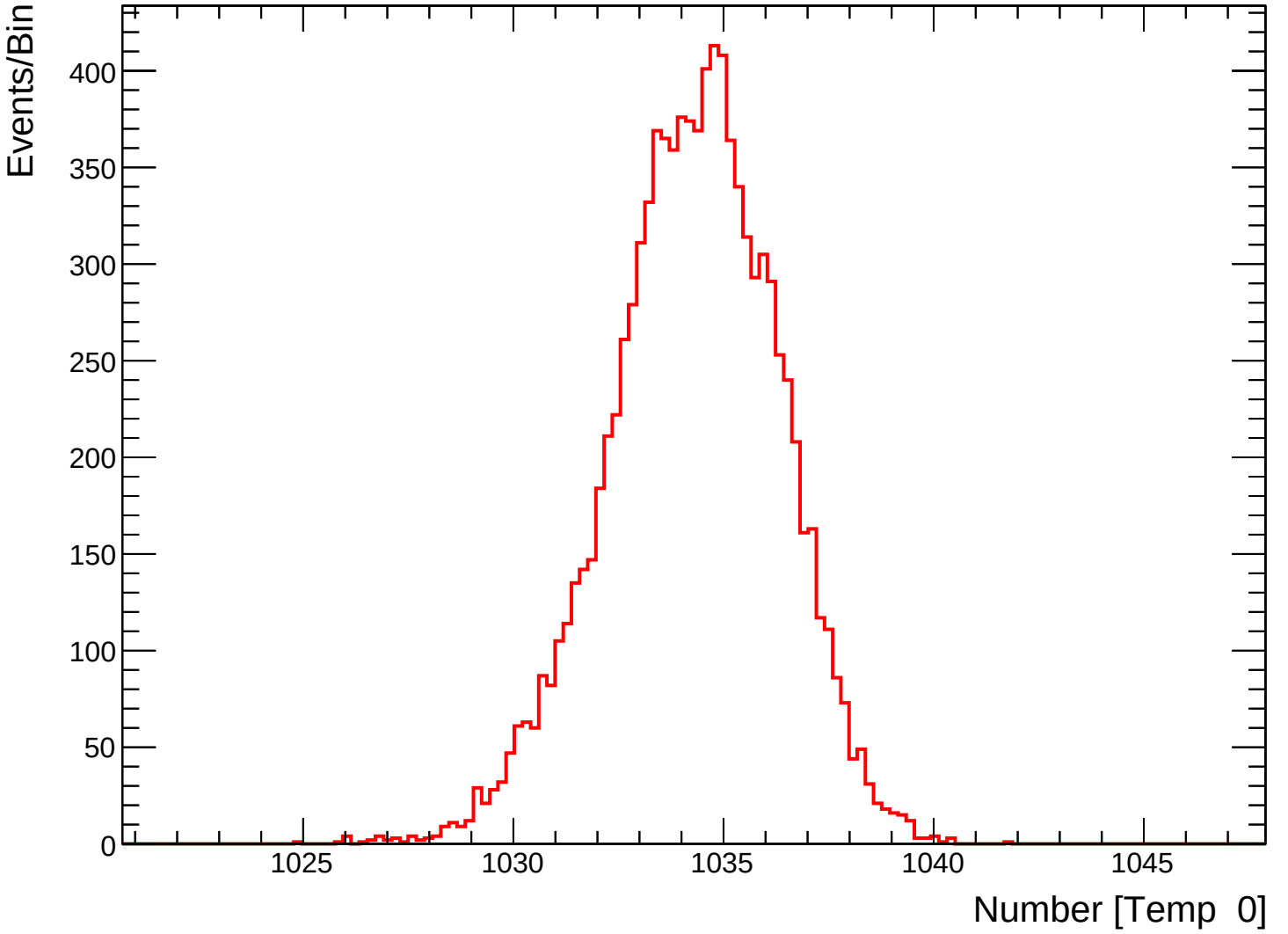

Time 12 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (402.3 ± 23.5)
e⁻+π⁻ (17.7 ± 12.8)
χ² 1.07
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

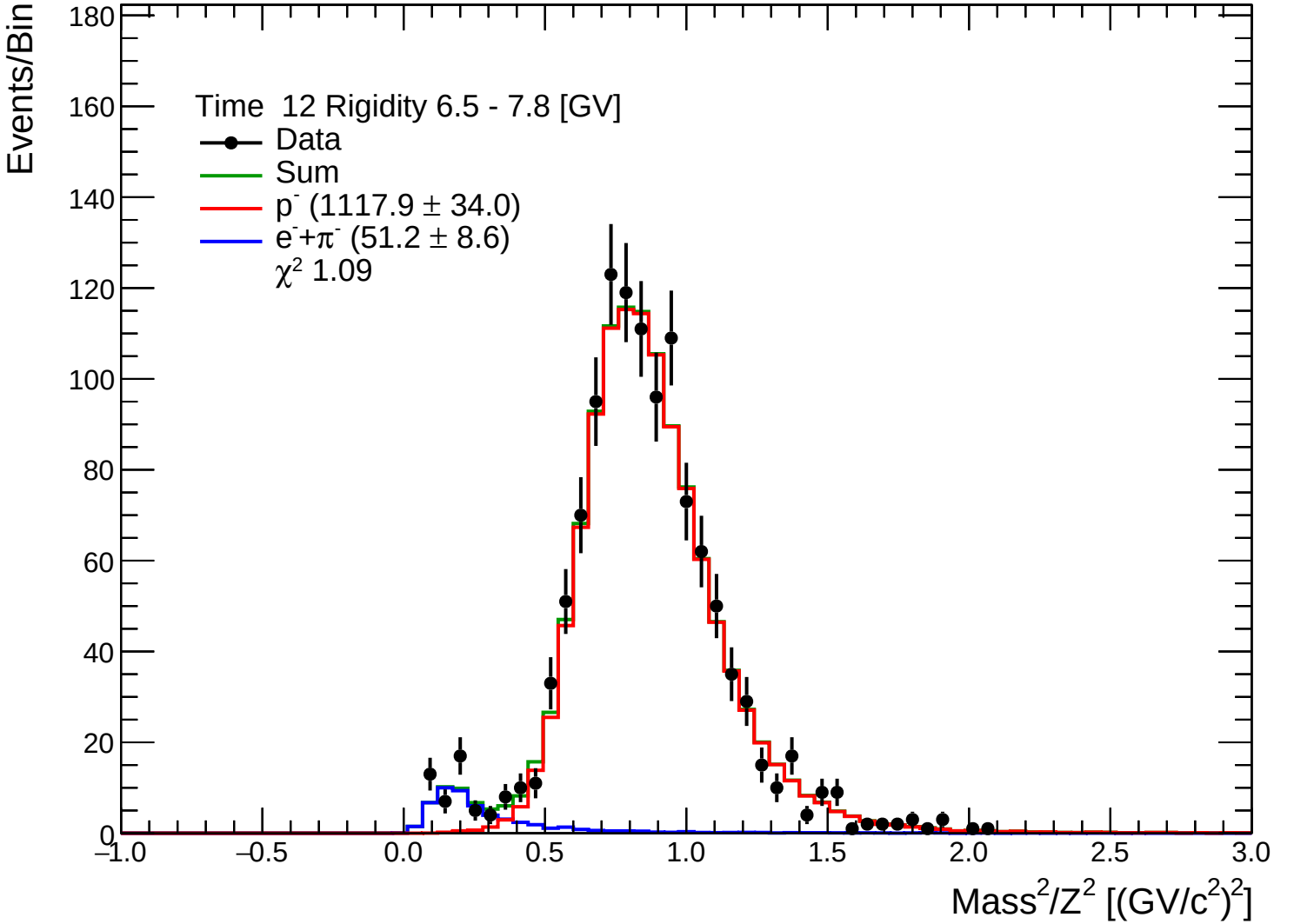

Events/Bin
450
400
350
300
250
200
150
100
50
0
385
390
395
400
405
410
415
420
Number [Temp 0]

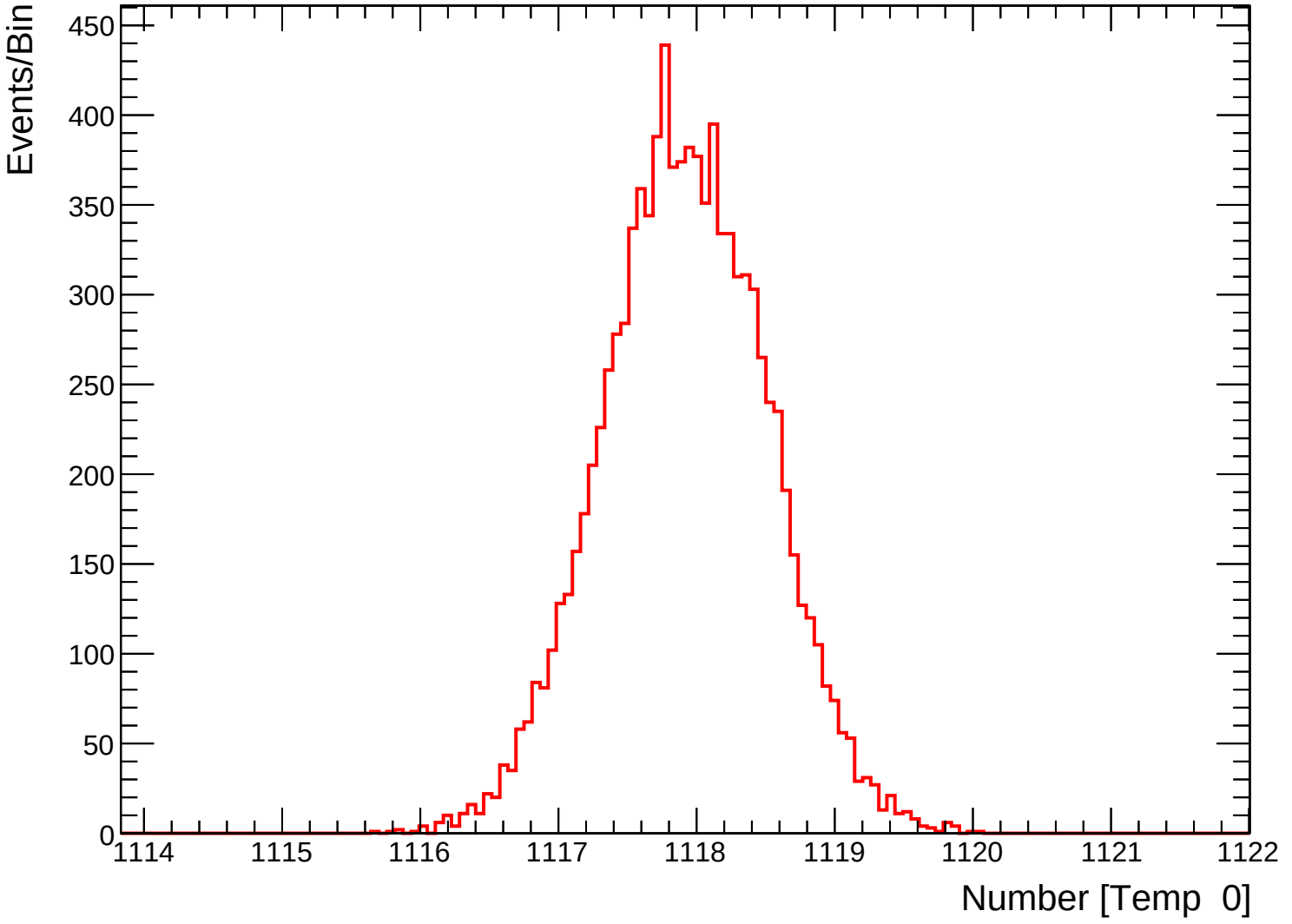

Time 12 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (804.4 ± 30.7)
e⁻+π⁻ (20.8 ± 12.4)
χ² 1.31
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

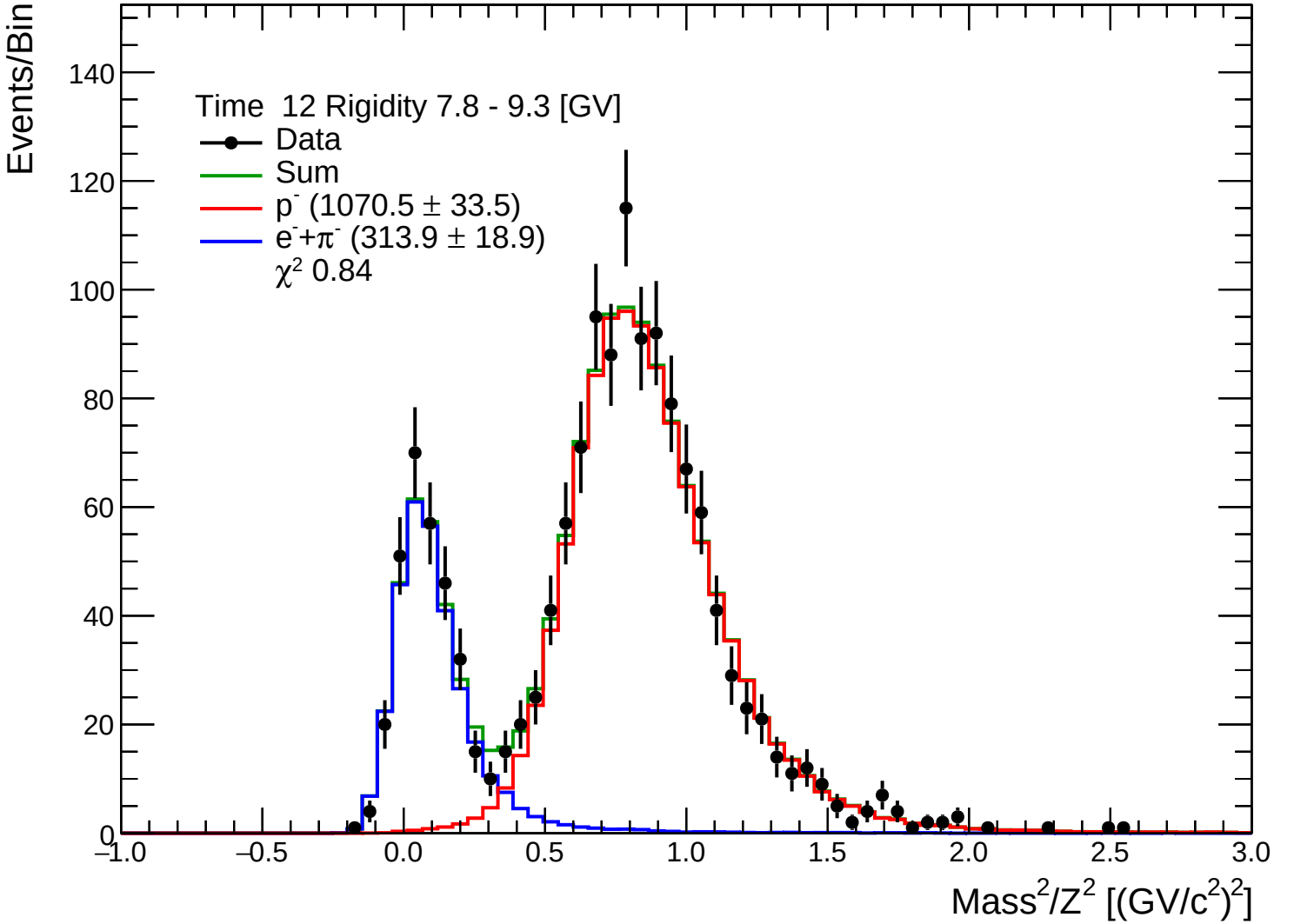

Events/Bin
450
400
350
300
250
200
150
100
50
0
785
790
795
800
805
810
815
820
825
Number [Temp 0]

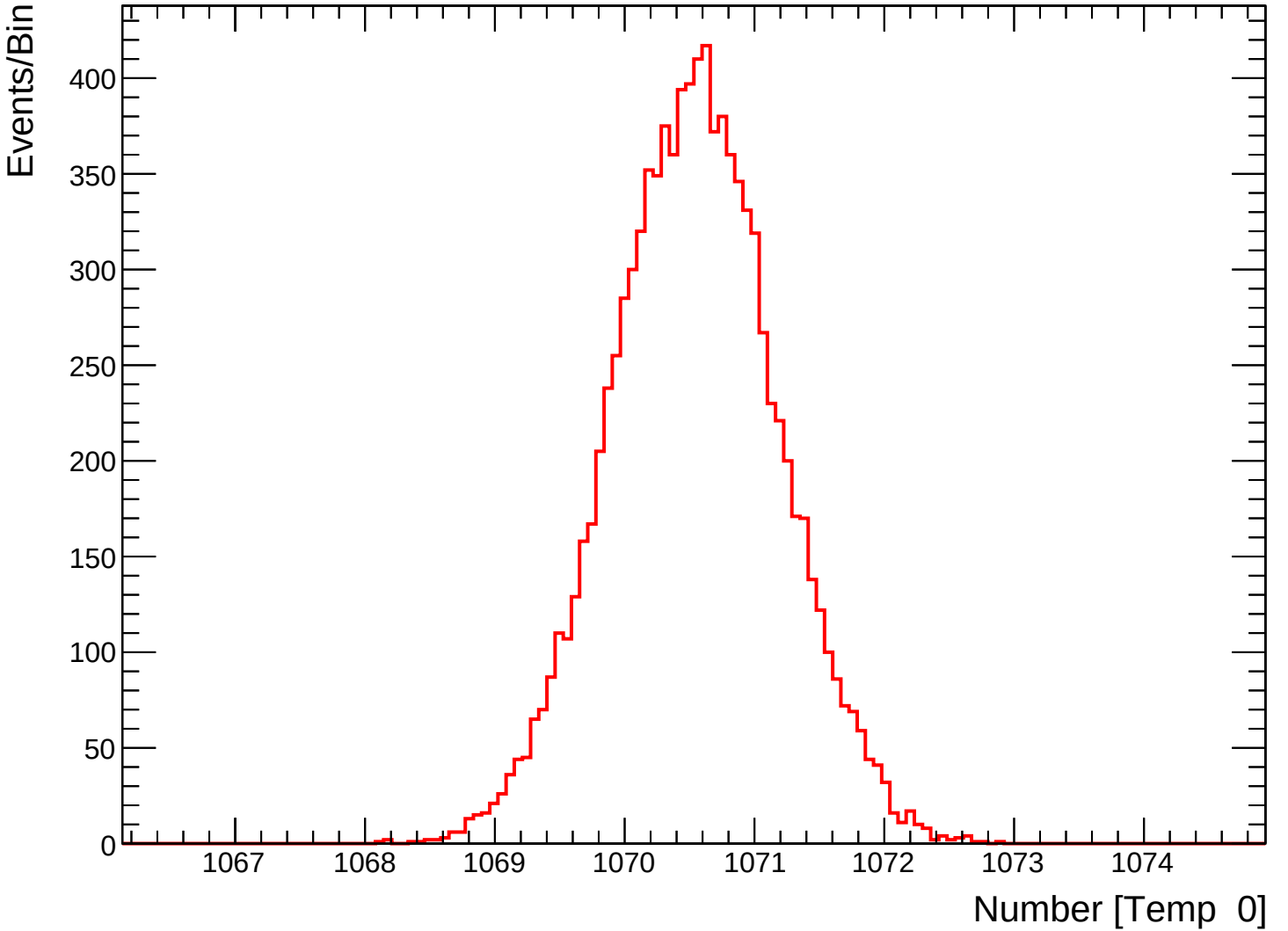

Time 12 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (1034.0 ± 33.6)
e⁻+π⁻ (20.4 ± 10.4)
χ² 1.33
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

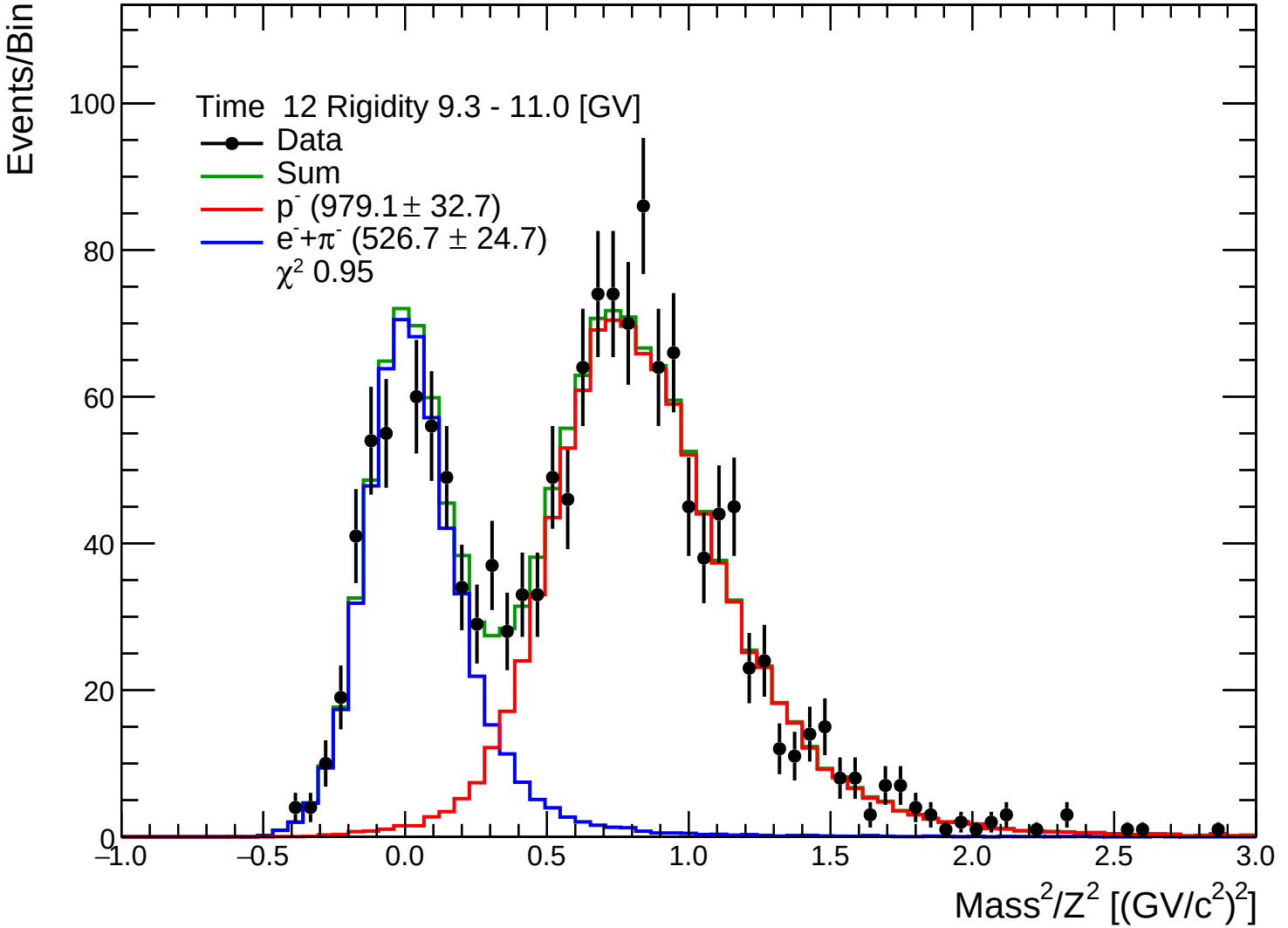

Events/Bin
400
350
300
250
200
150
100
50
0
1025
1030
1035
1040
1045
Number [Temp 0]

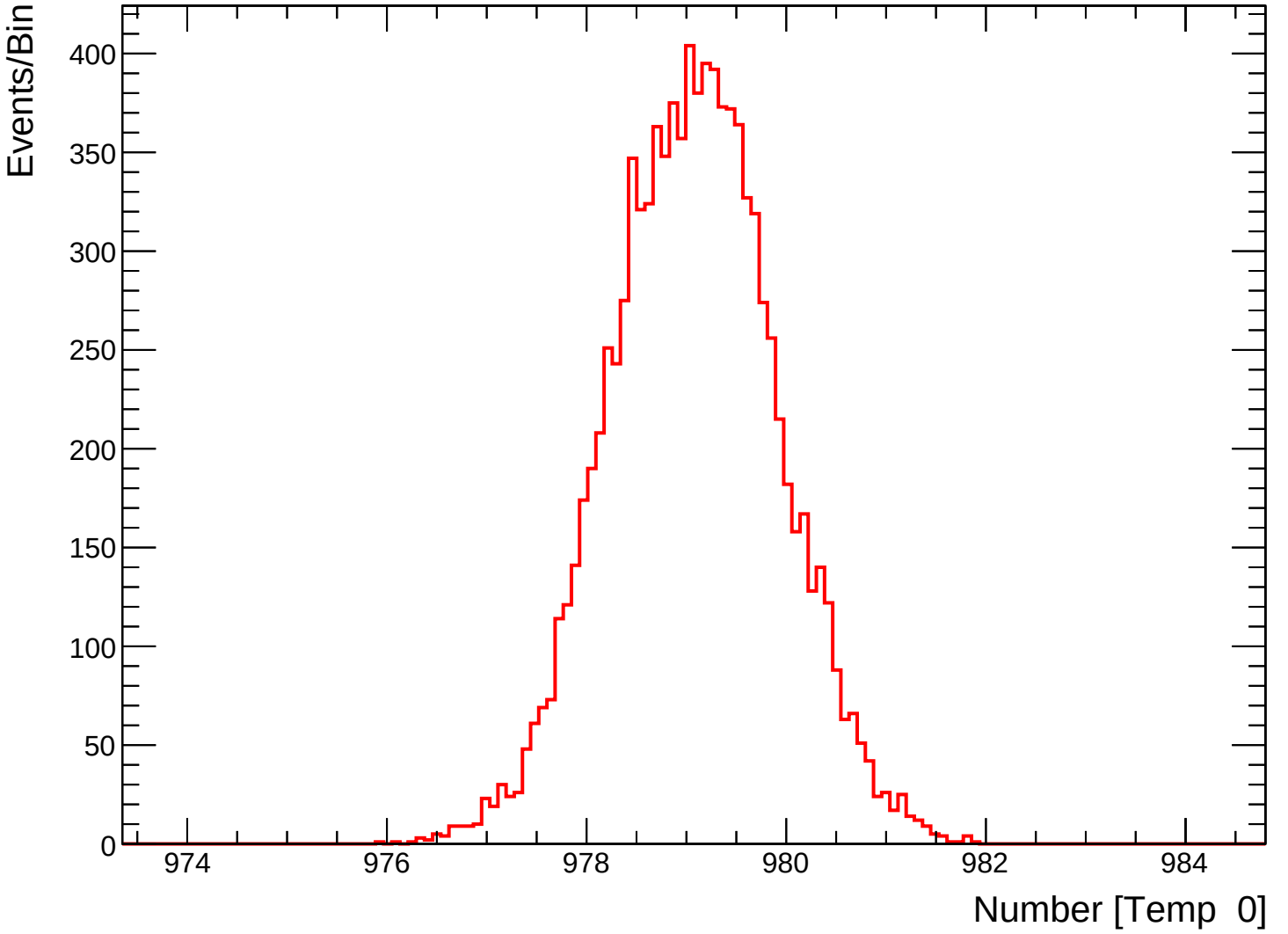

Time 12 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1117.9 ± 34.0)
e⁻+π⁻ (51.2 ± 8.6)
χ² 1.09
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

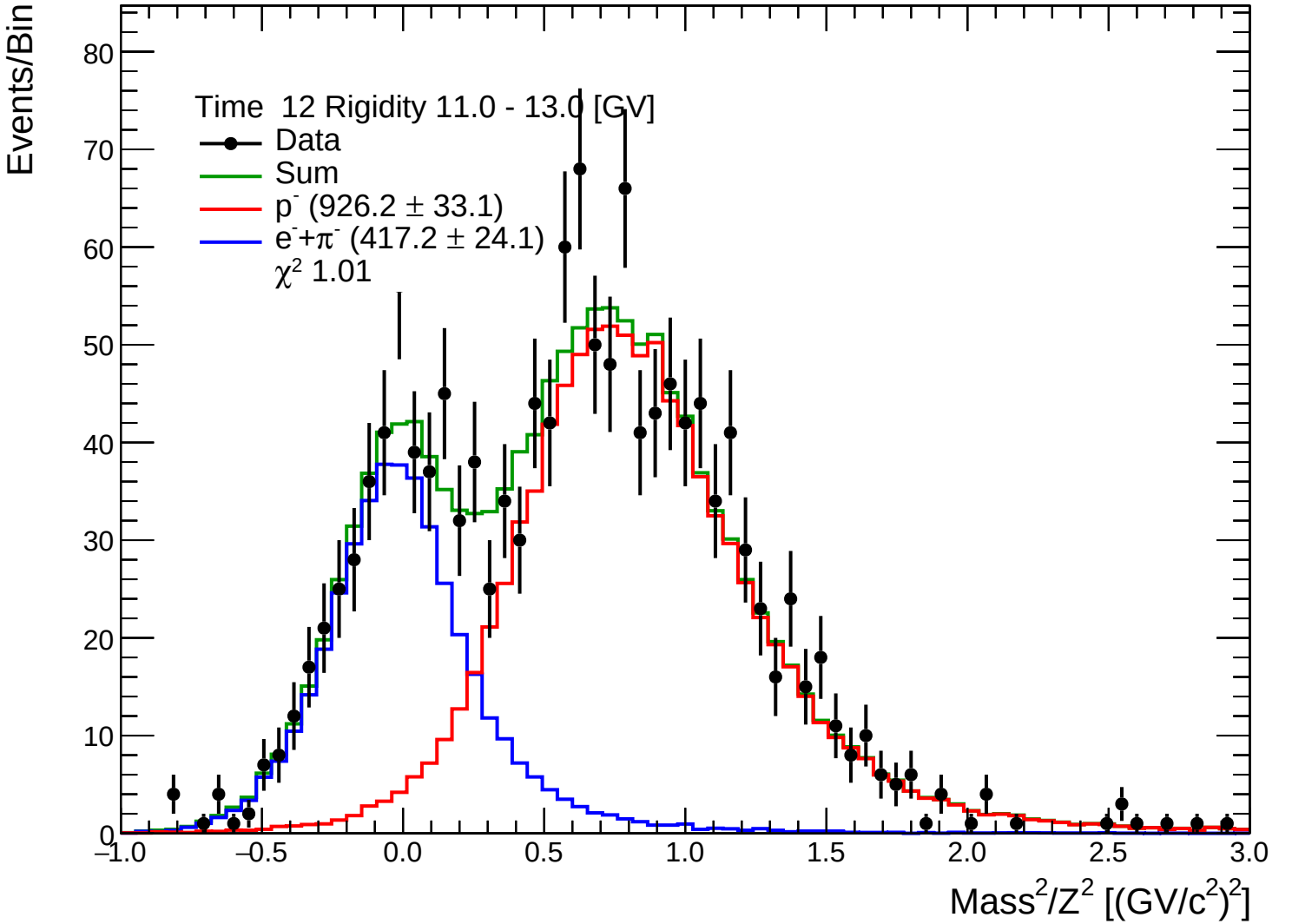

Events/Bin
450
400
350
300
250
200
150
100
50
0
1114
1115
1116
1117
1118
1119
1120
1121
1122
Number [Temp 0]

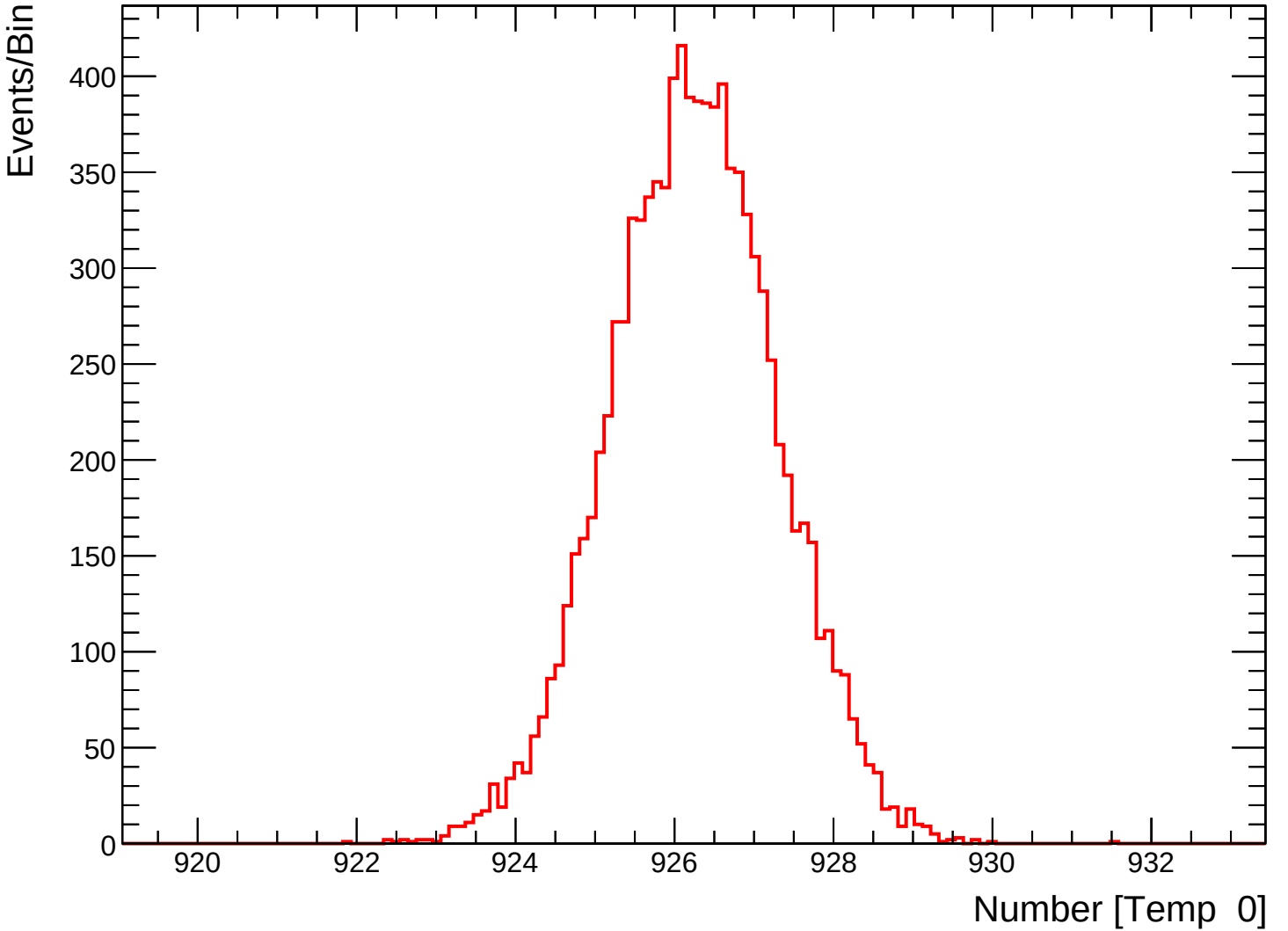

Time 12 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1070.5 ± 33.5)
e⁻+π⁻ (313.9 ± 18.9)
χ² 0.84
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

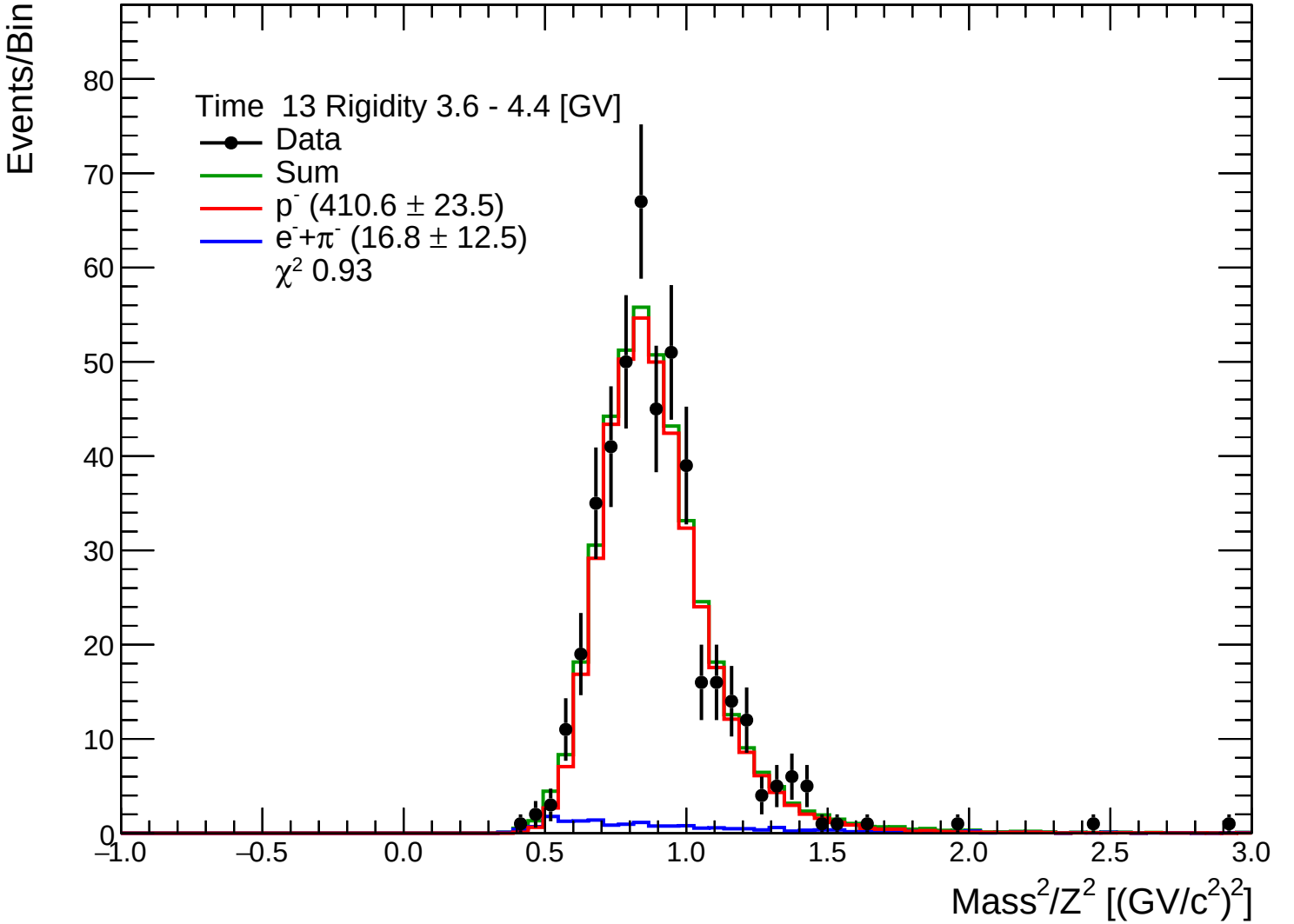

Events/Bin
400
350
300
250
200
150
100
50
0
1067
1068
1069
1070
1071
1072
1073
1074
Number [Temp 0]

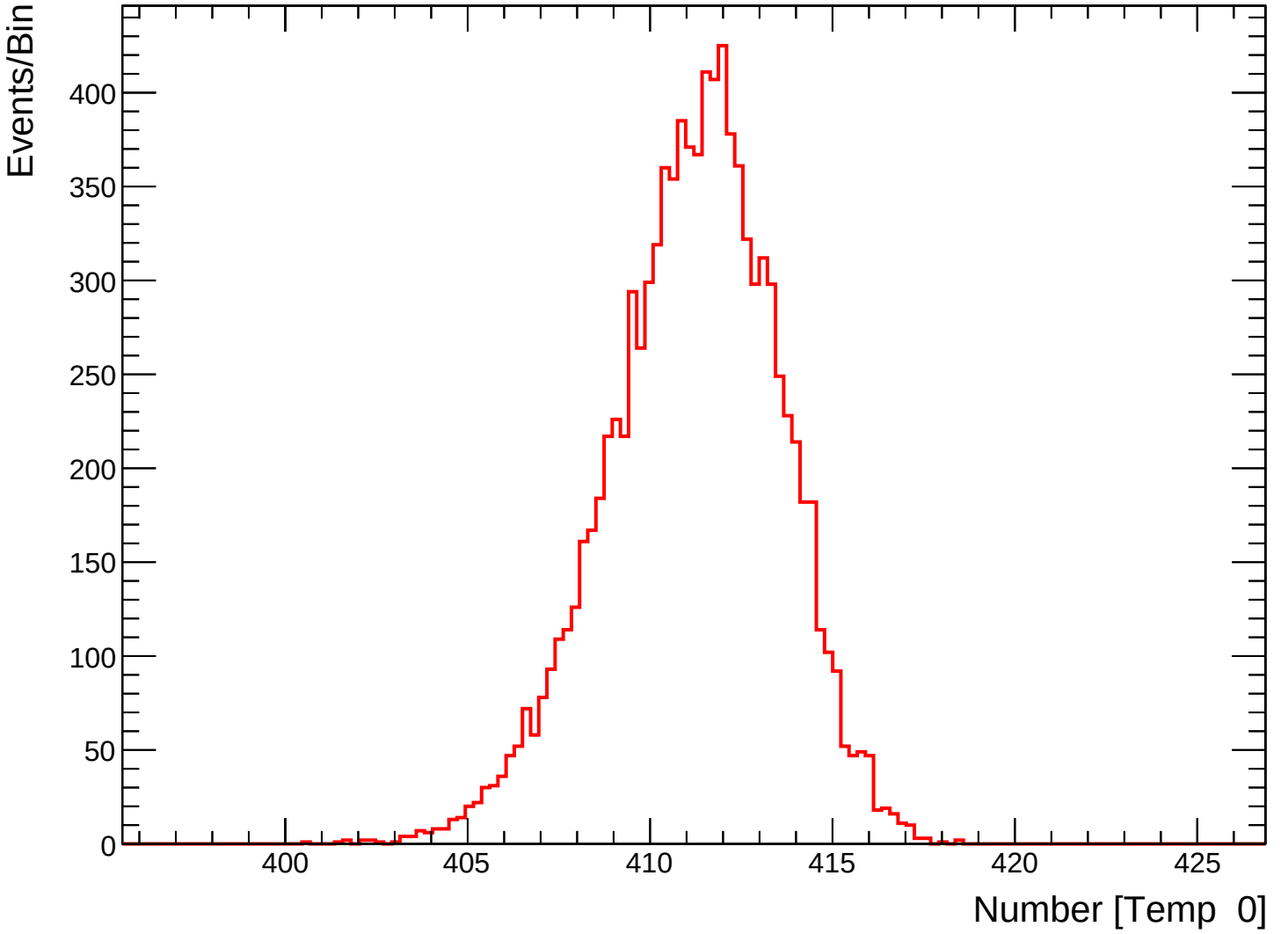

Time 12 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (979.1 ± 32.7)
e⁻+π⁻ (526.7 ± 24.7)
χ² 0.95
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

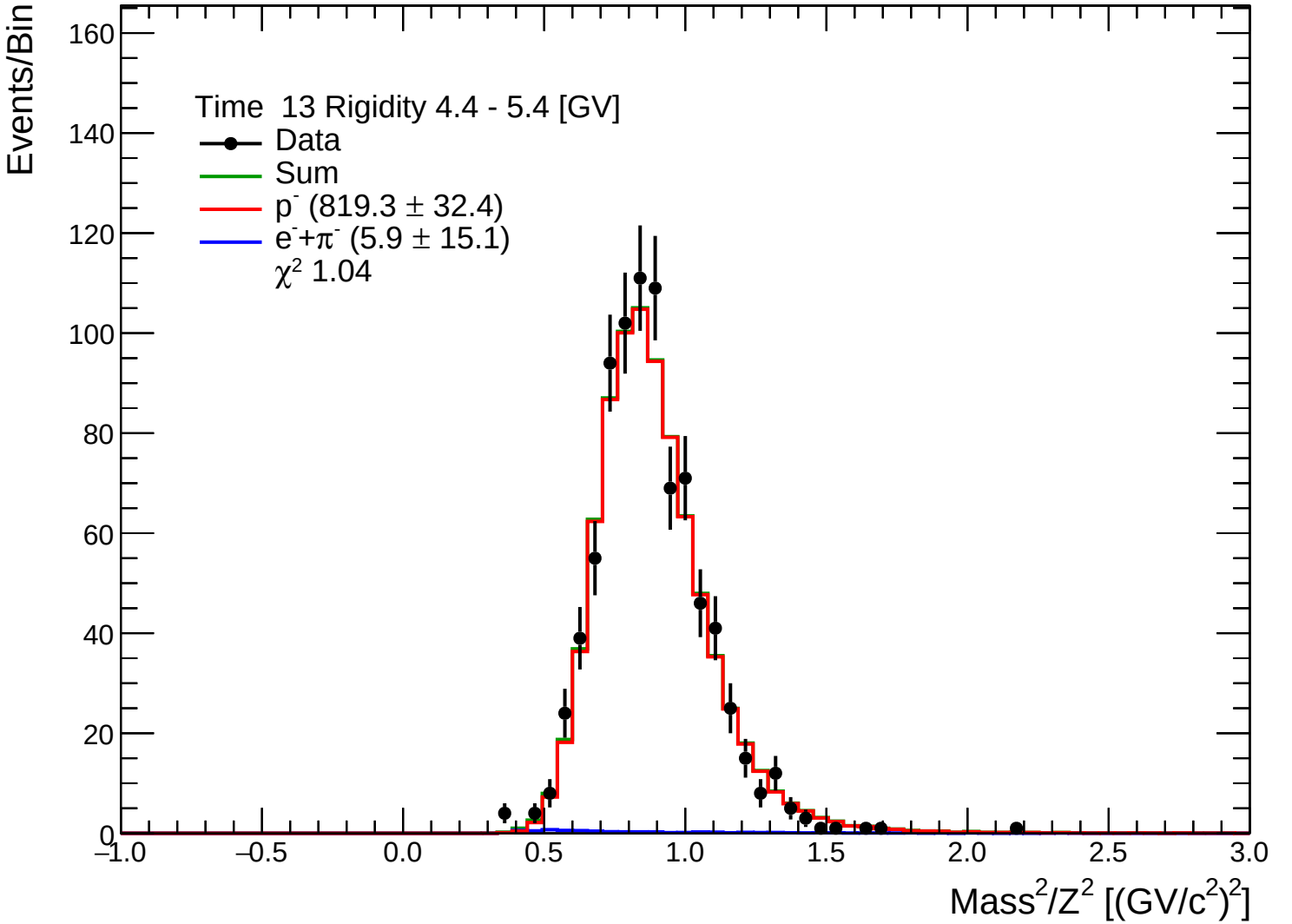

Events/Bin
400
350
300
250
200
150
100
50
0
974
976
978
980
982
984
Number [Temp 0]

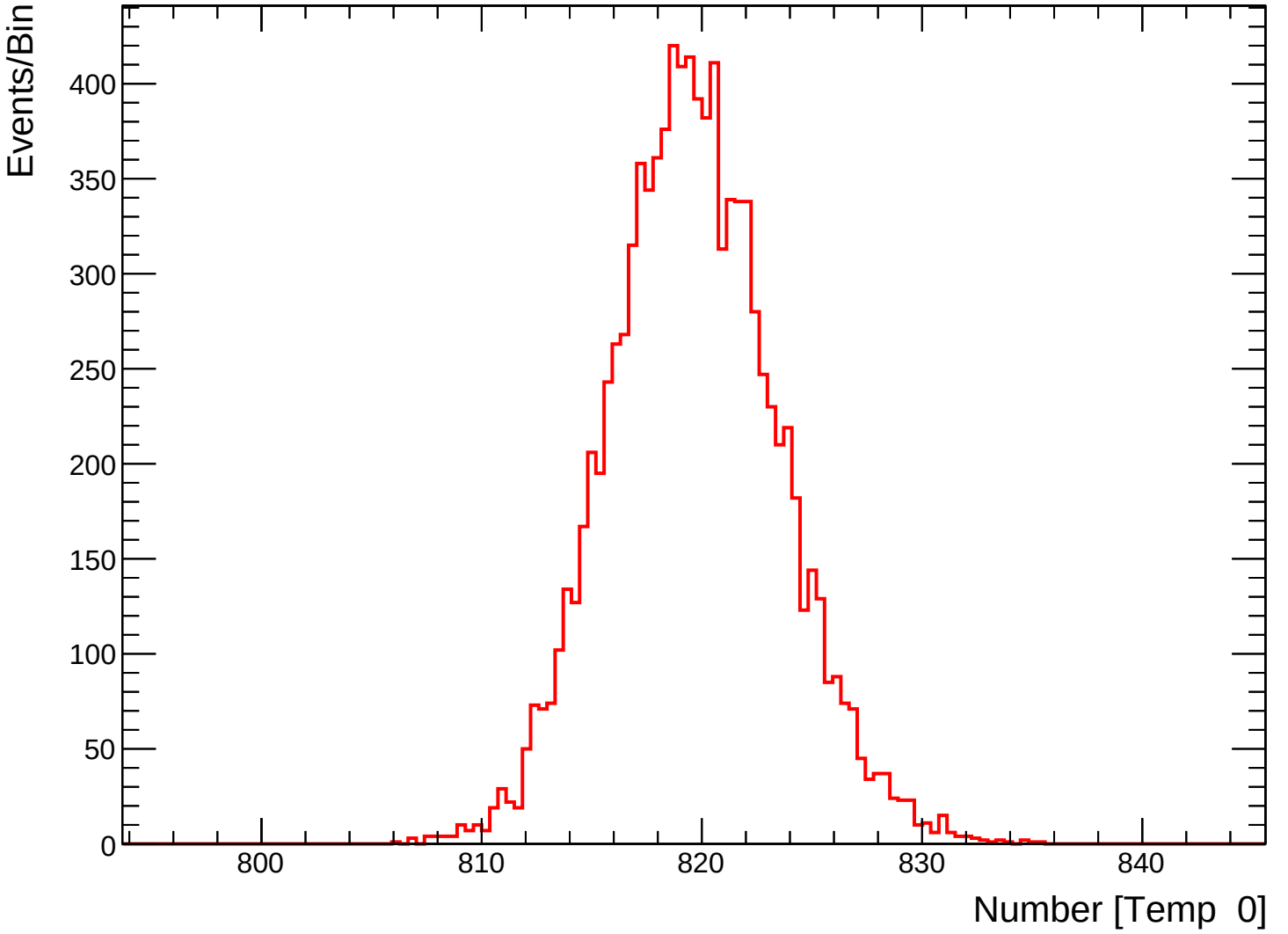

Time 12 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (926.2 ± 33.1)
e⁻+π⁻ (417.2 ± 24.1)
χ² 1.01
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

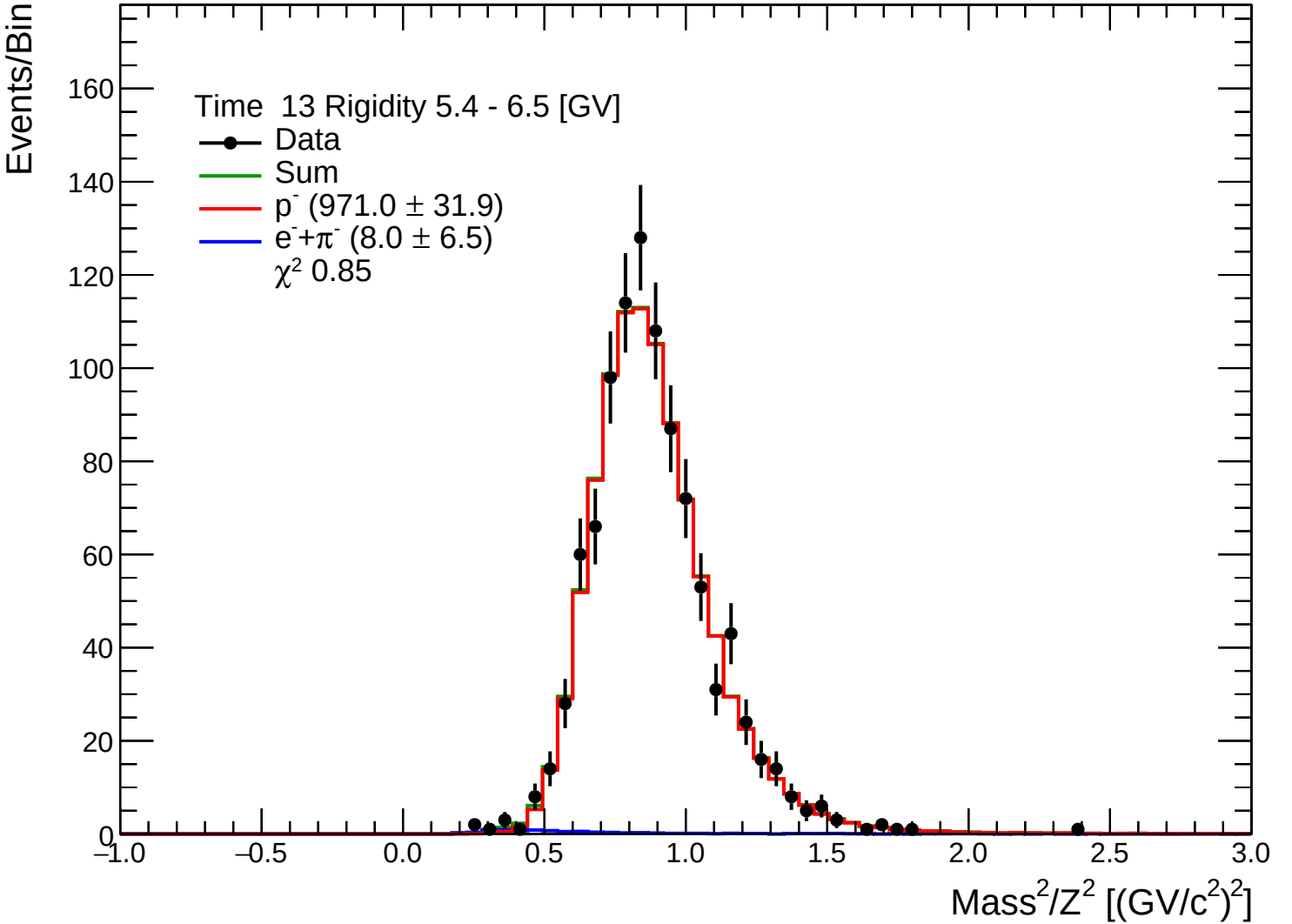

Events/Bin
400
350
300
250
200
150
100
50
0
920
922
924
926
928
930
932
Number [Temp 0]

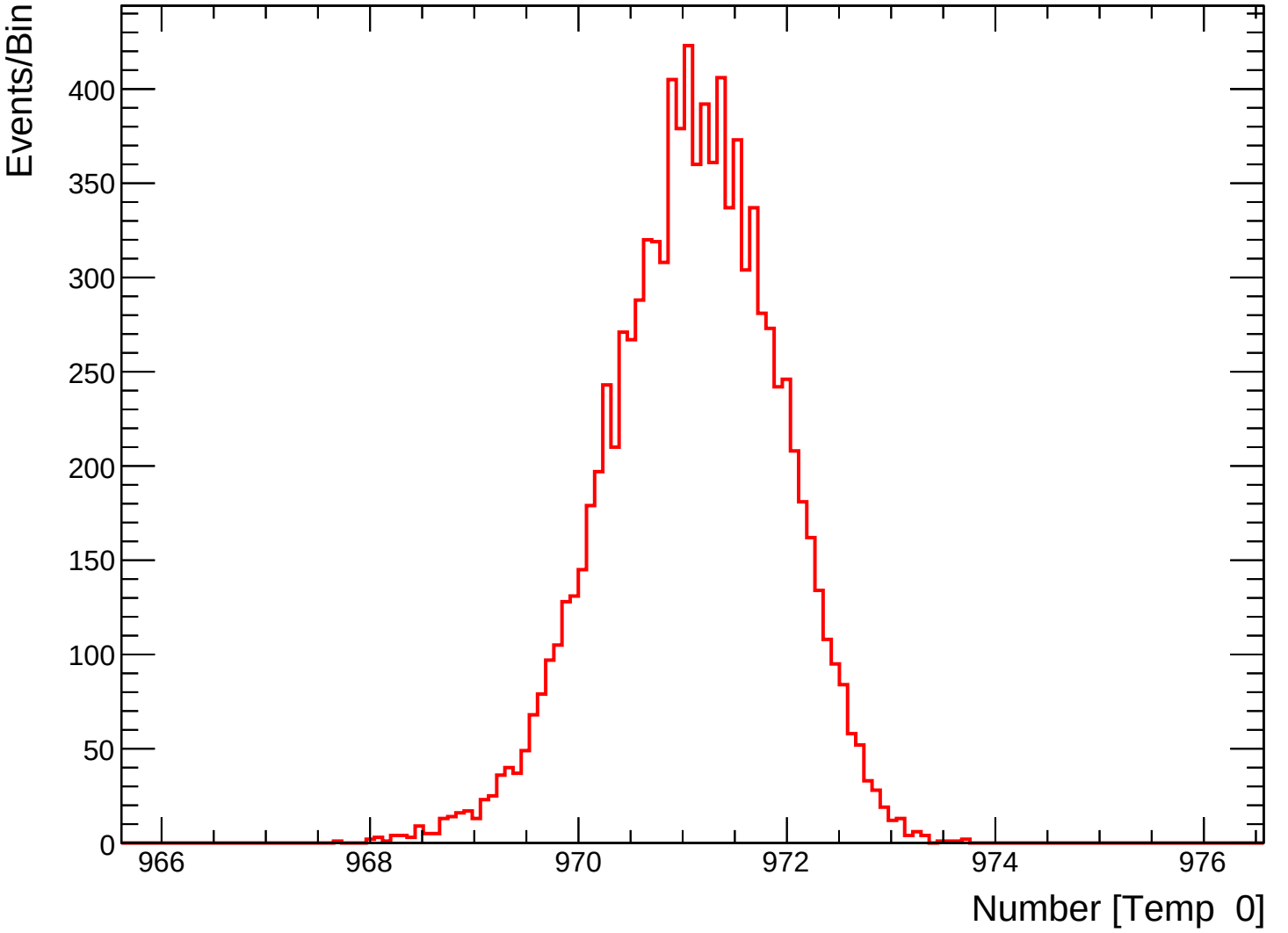

Time 13 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (410.6 ± 23.5)
e⁻+π⁻ (16.8 ± 12.5)
χ² 0.93
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

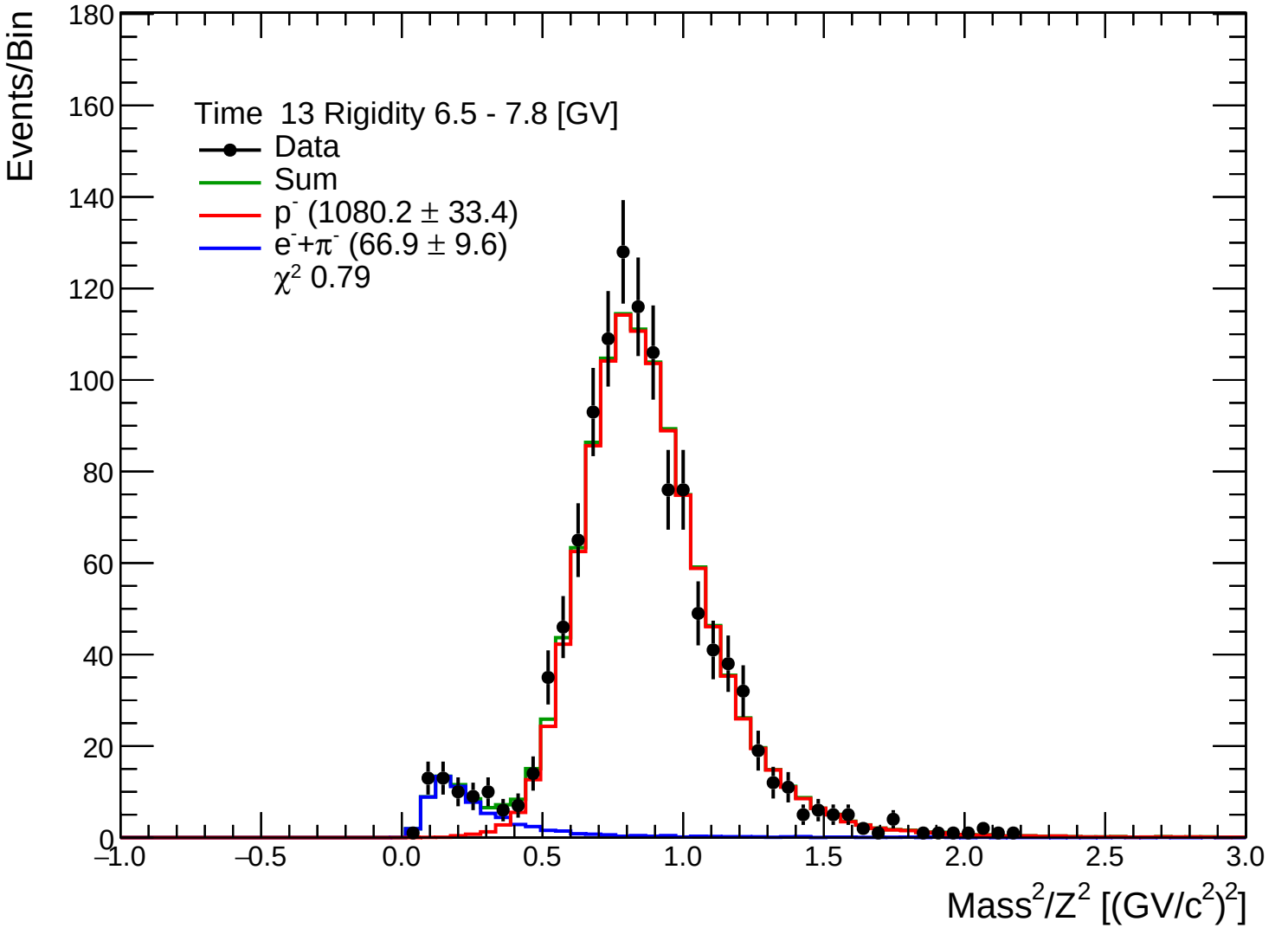

Events/Bin
400
350
300
250
200
150
100
50
0
400
405
410
415
420
425
Number [Temp 0]

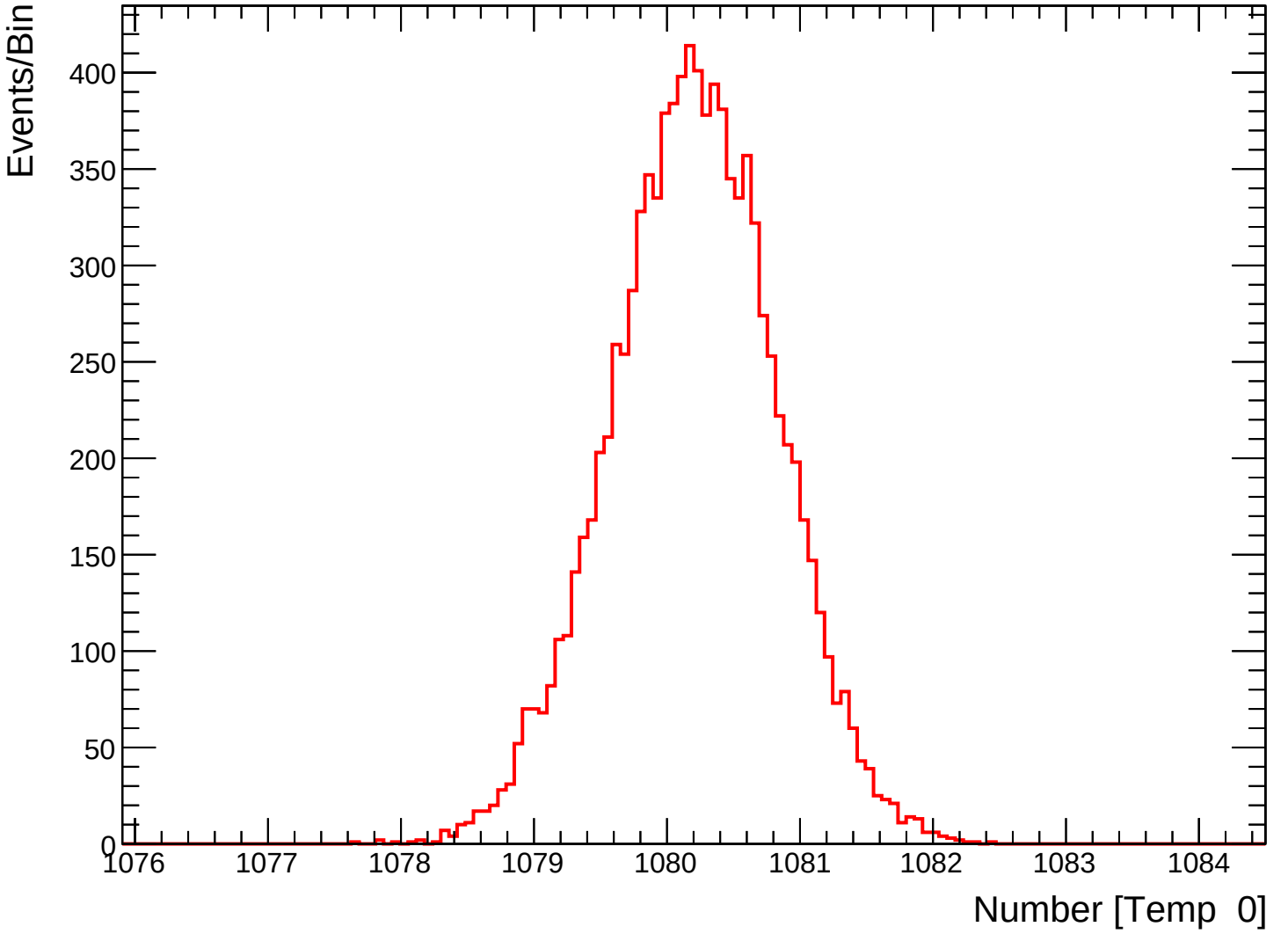

Time 13 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (819.3 ± 32.4)
e⁻+π⁻ (5.9 ± 15.1)
χ² 1.04
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

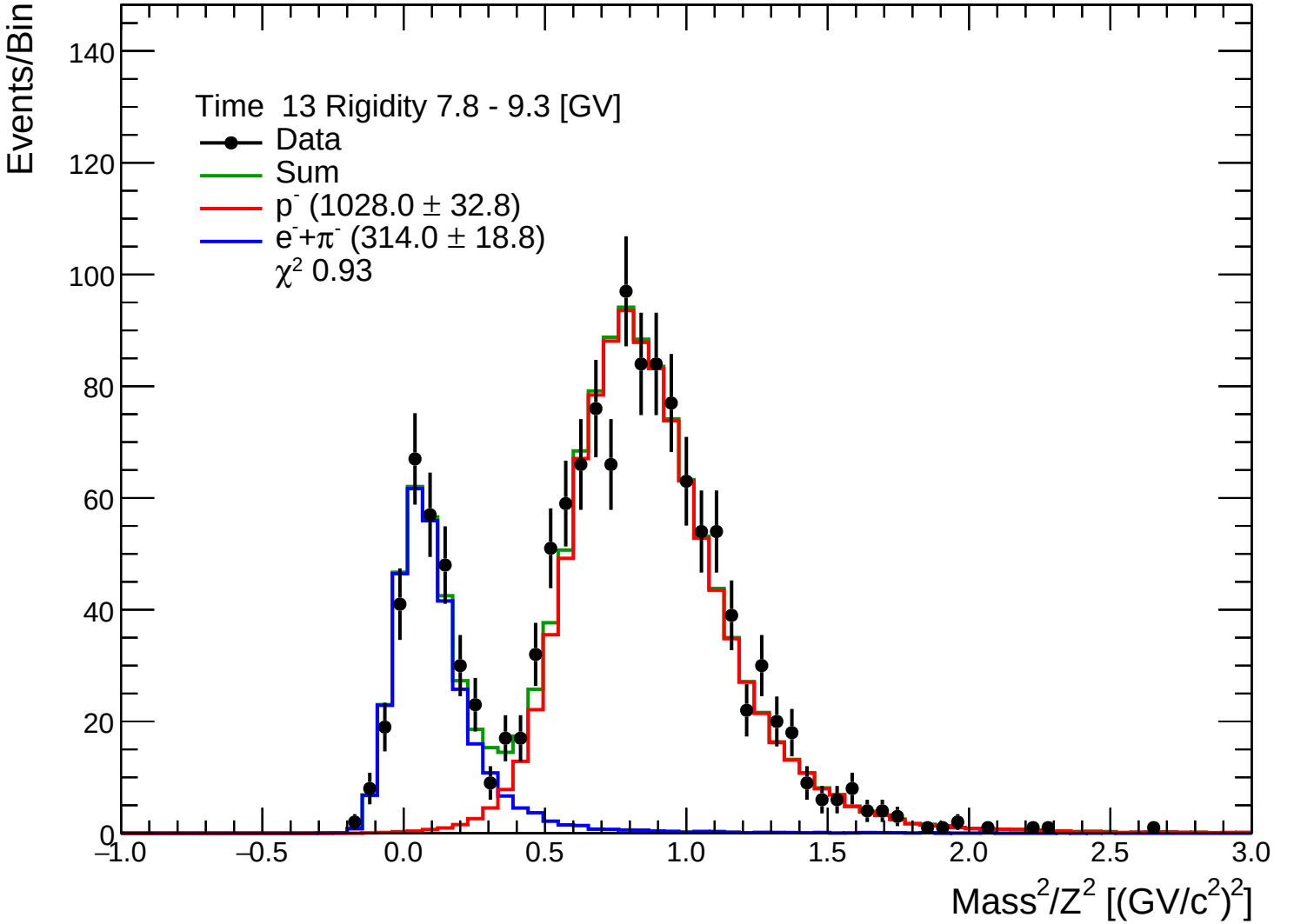

Events/Bin
400
350
300
250
200
150
100
50
0
800
810
820
830
840
Number [Temp 0]

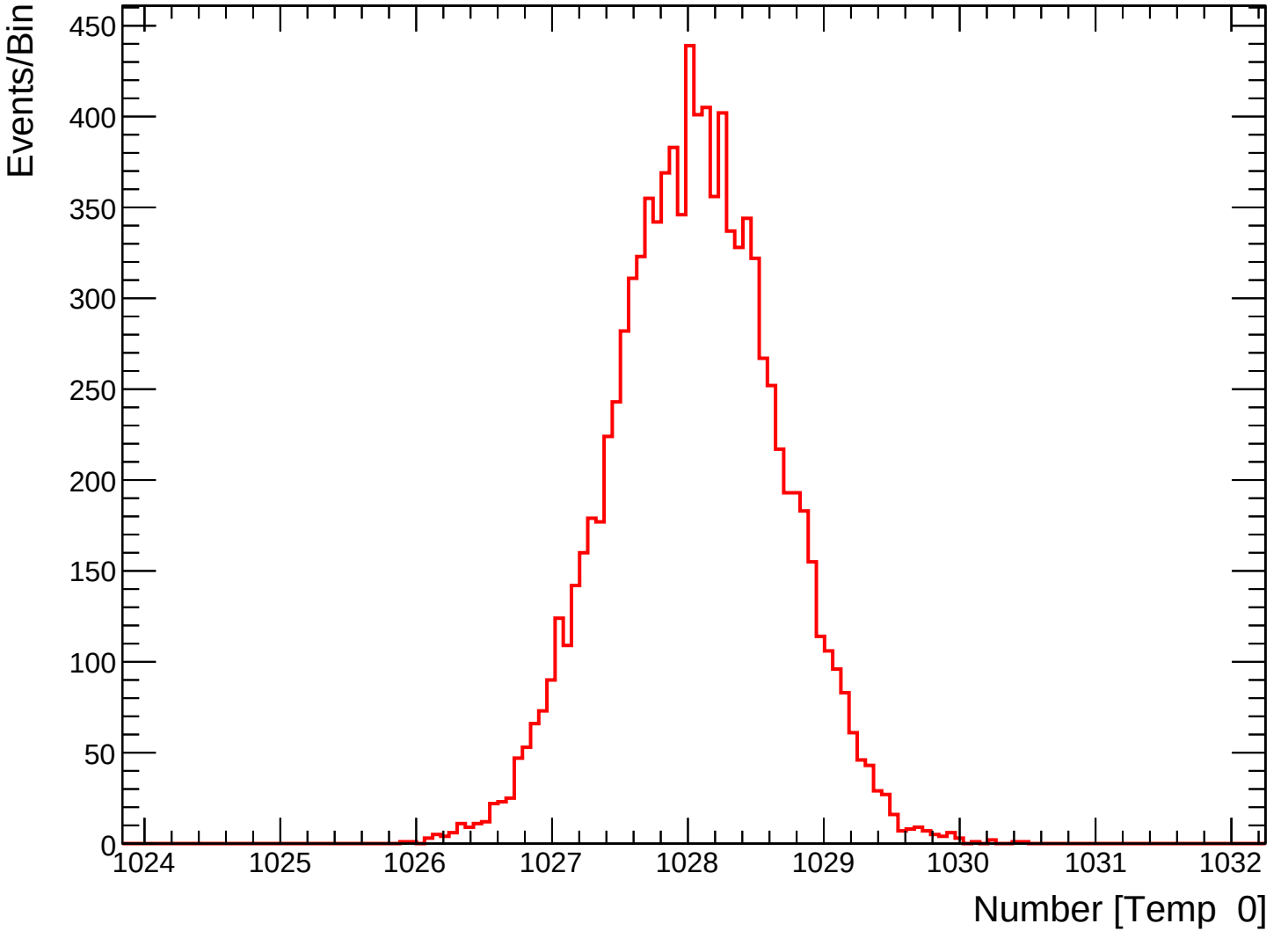

Time 13 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (971.0 ± 31.9)
e⁻+π⁻ (8.0 ± 6.5)
χ² 0.85
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

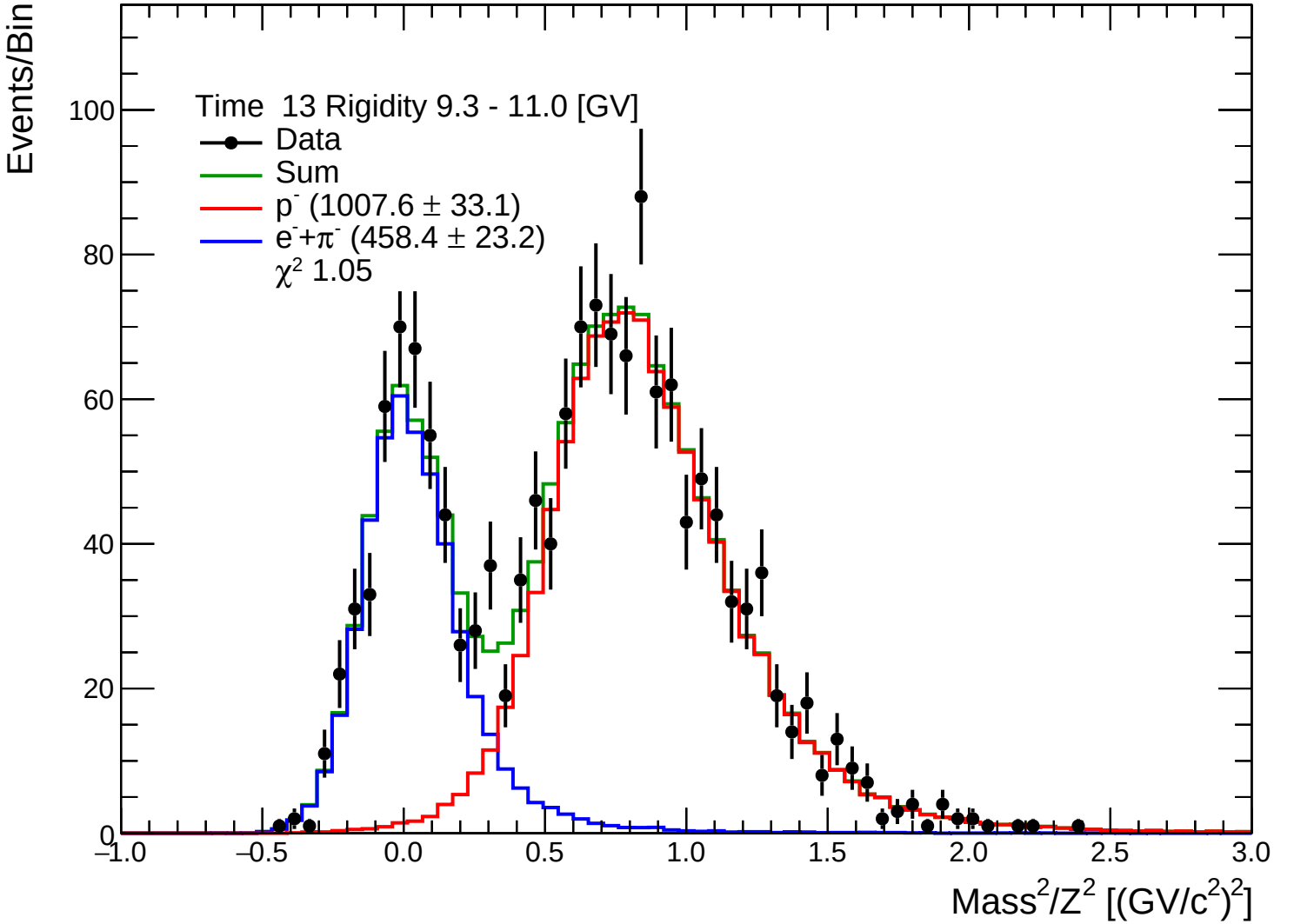

Events/Bin
400
350
300
250
200
150
100
50
0
966
968
970
972
974
976
Number [Temp 0]

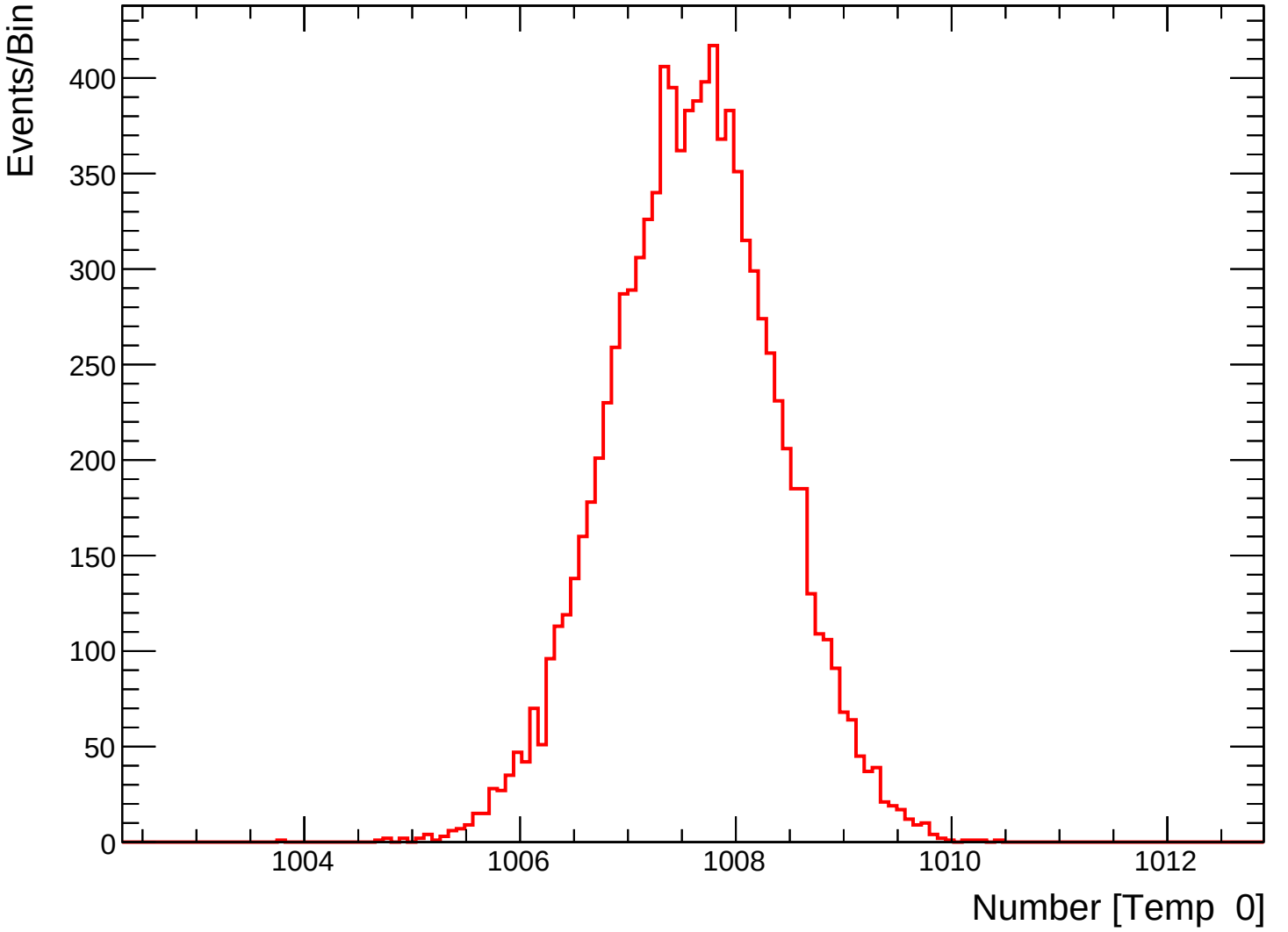

Time 13 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1080.2 ± 33.4)
e⁻+π⁻ (66.9 ± 9.6)
χ² 0.79
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

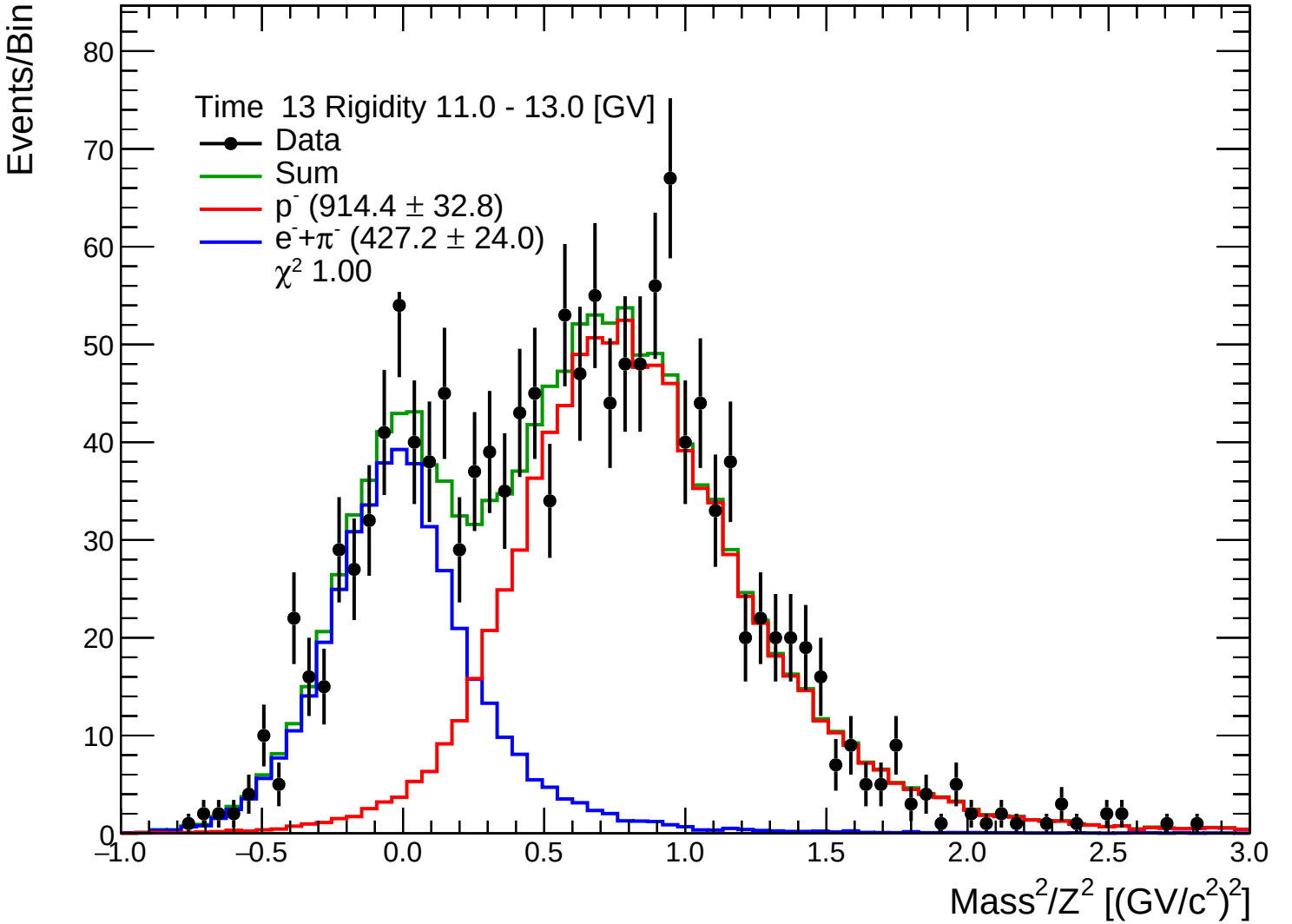

Events/Bin
400
350
300
250
200
150
100
50
0
1076
1077
1078
1079
1080
1081
1082
1083
1084
Number [Temp 0]

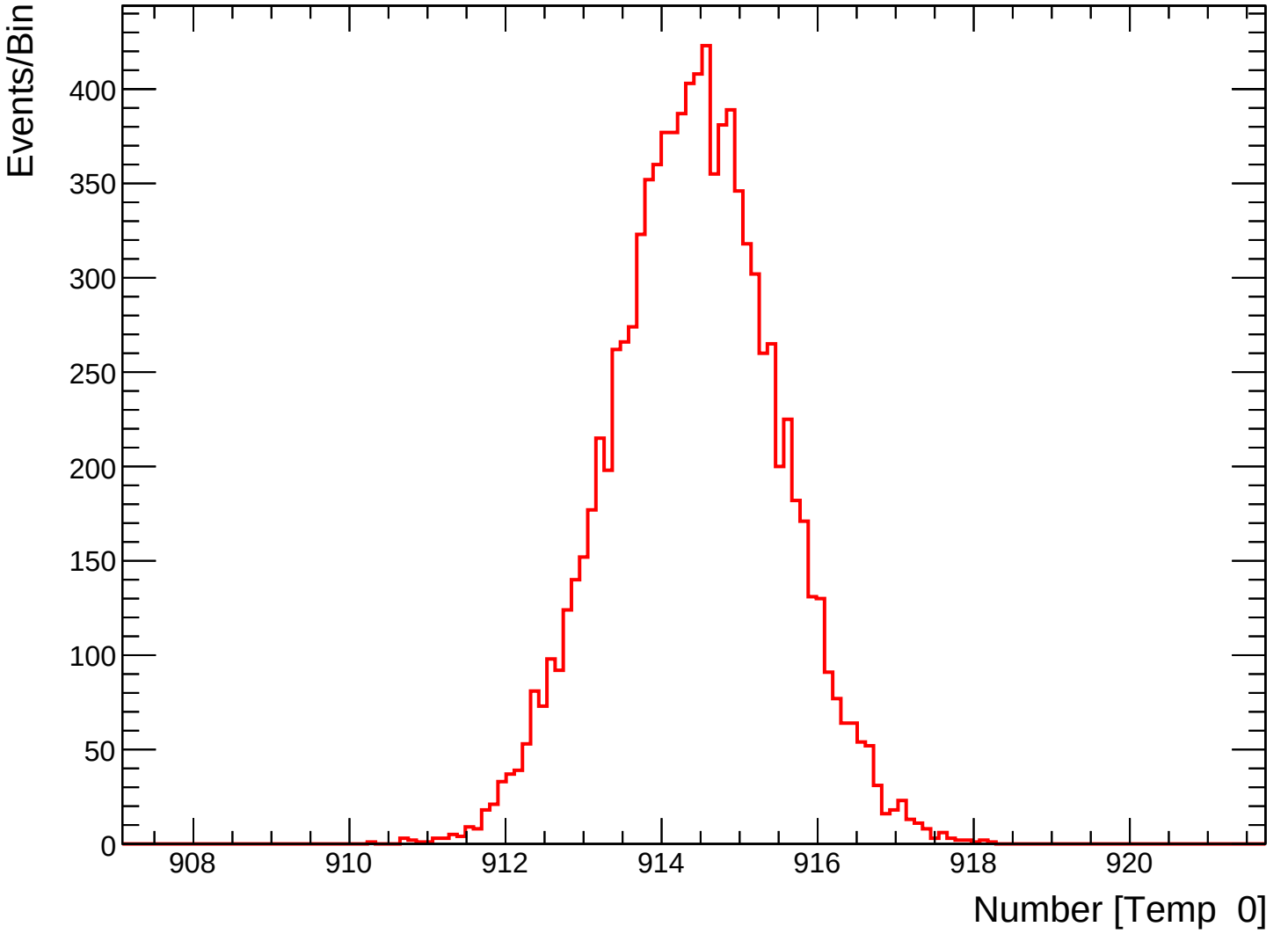

Time 13 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1028.0 ± 32.8)
e⁻+π⁻ (314.0 ± 18.8)
χ² 0.93
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

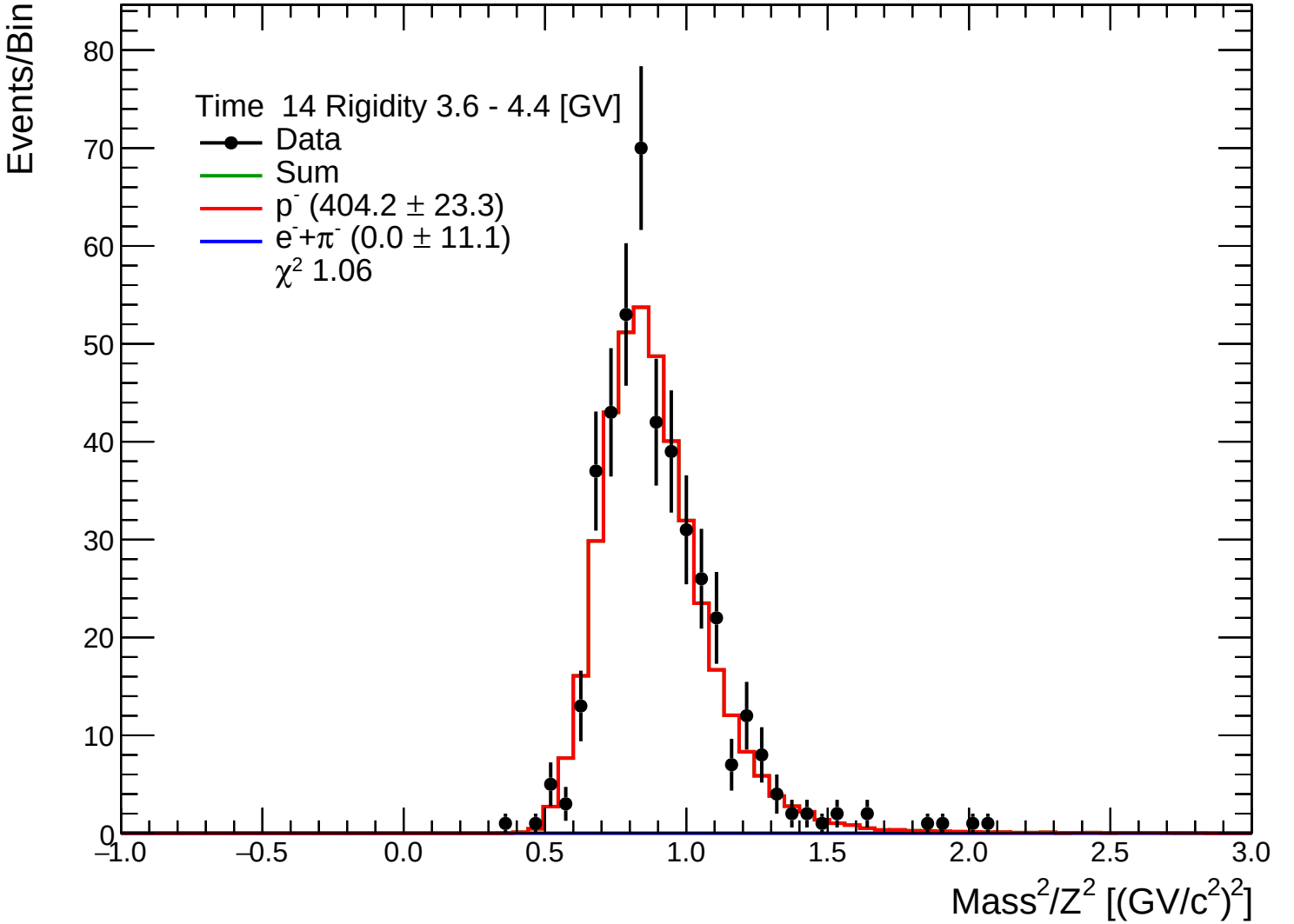

Events/Bin
450
400
350
300
250
200
150
100
50
0
1024
1025
1026
1027
1028
1029
1030
1031
1032
Number [Temp 0]

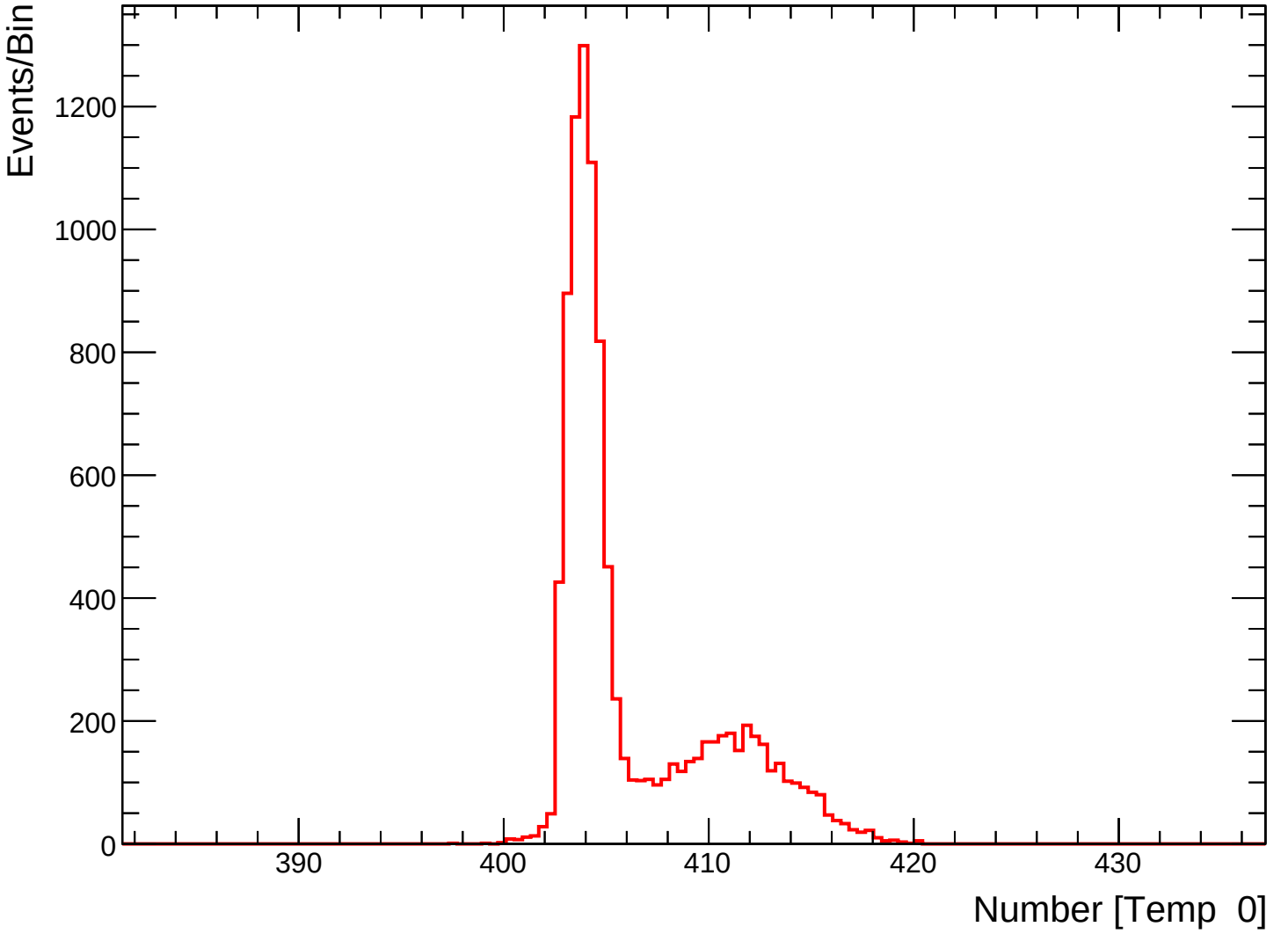

Time 13 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (1007.6 ± 33.1)
e⁻+π⁻ (458.4 ± 23.2)
χ² 1.05
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

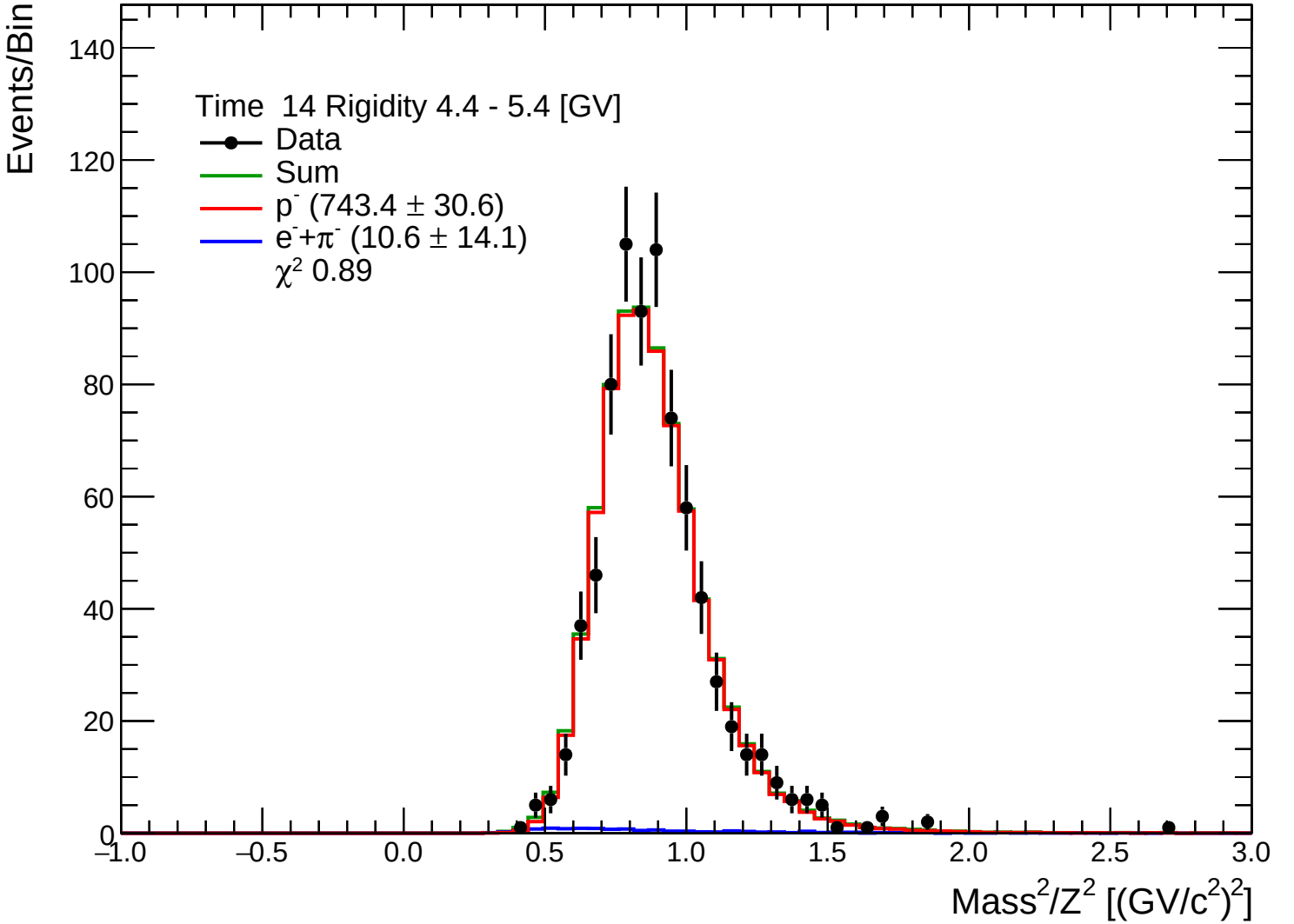

Events/Bin
400
350
300
250
200
150
100
50
0
1004
1006
1008
1010
1012
Number [Temp 0]

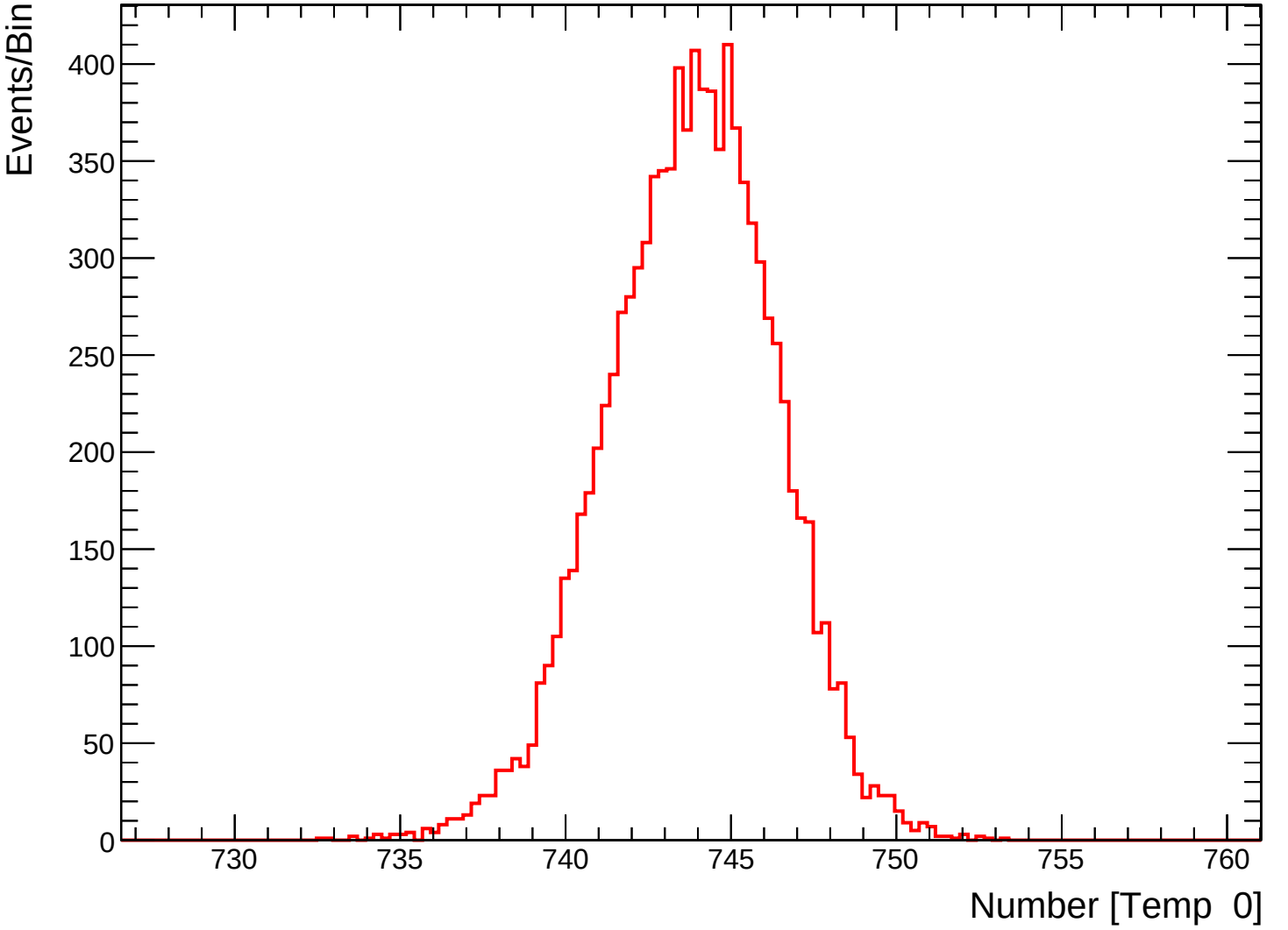

Time 13 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (914.4 ± 32.8)
e⁻+π⁻ (427.2 ± 24.0)
χ² 1.00
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

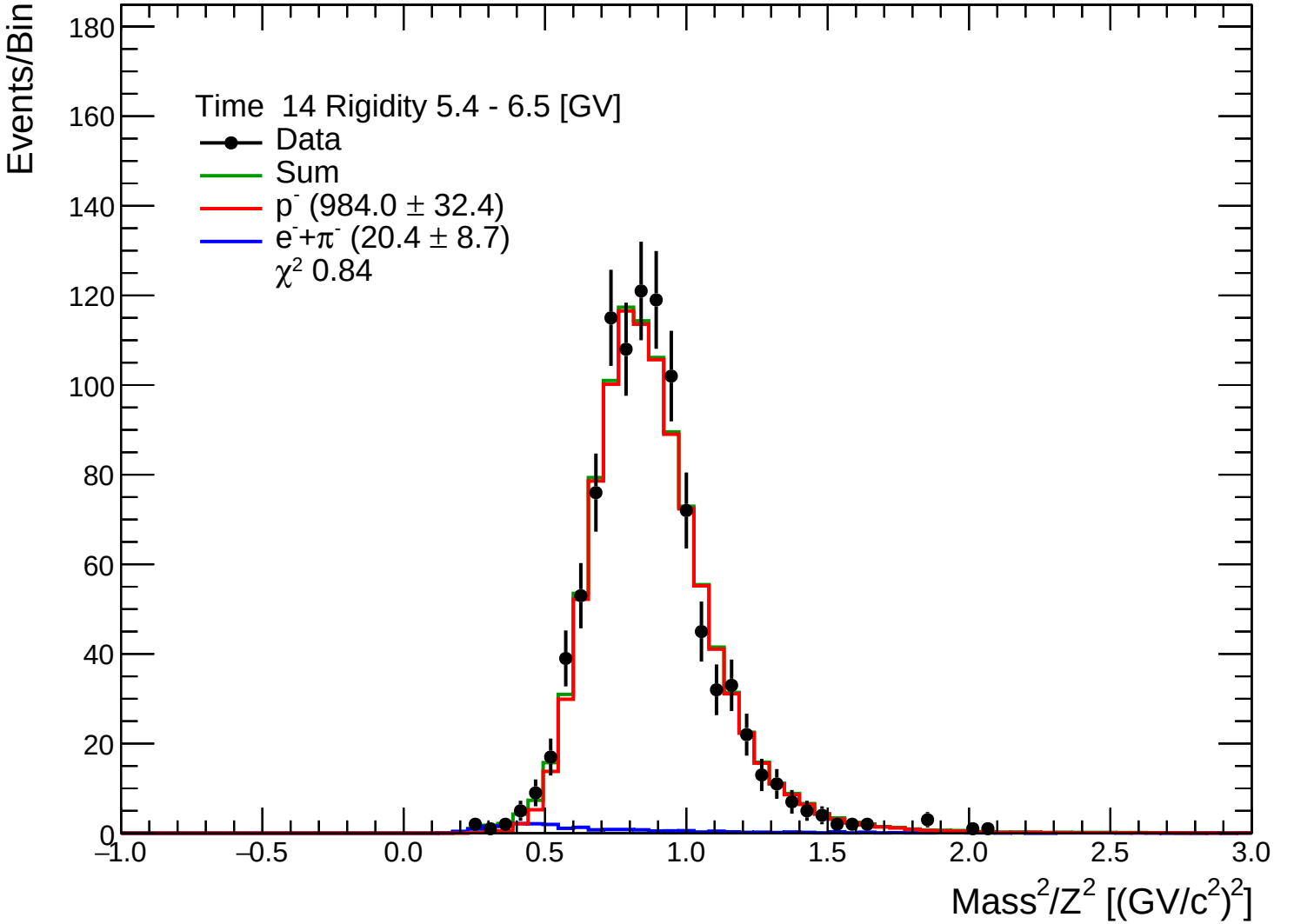

Events/Bin
400
350
300
250
200
150
100
50
0
908
910
912
914
916
918
920
Number [Temp 0]

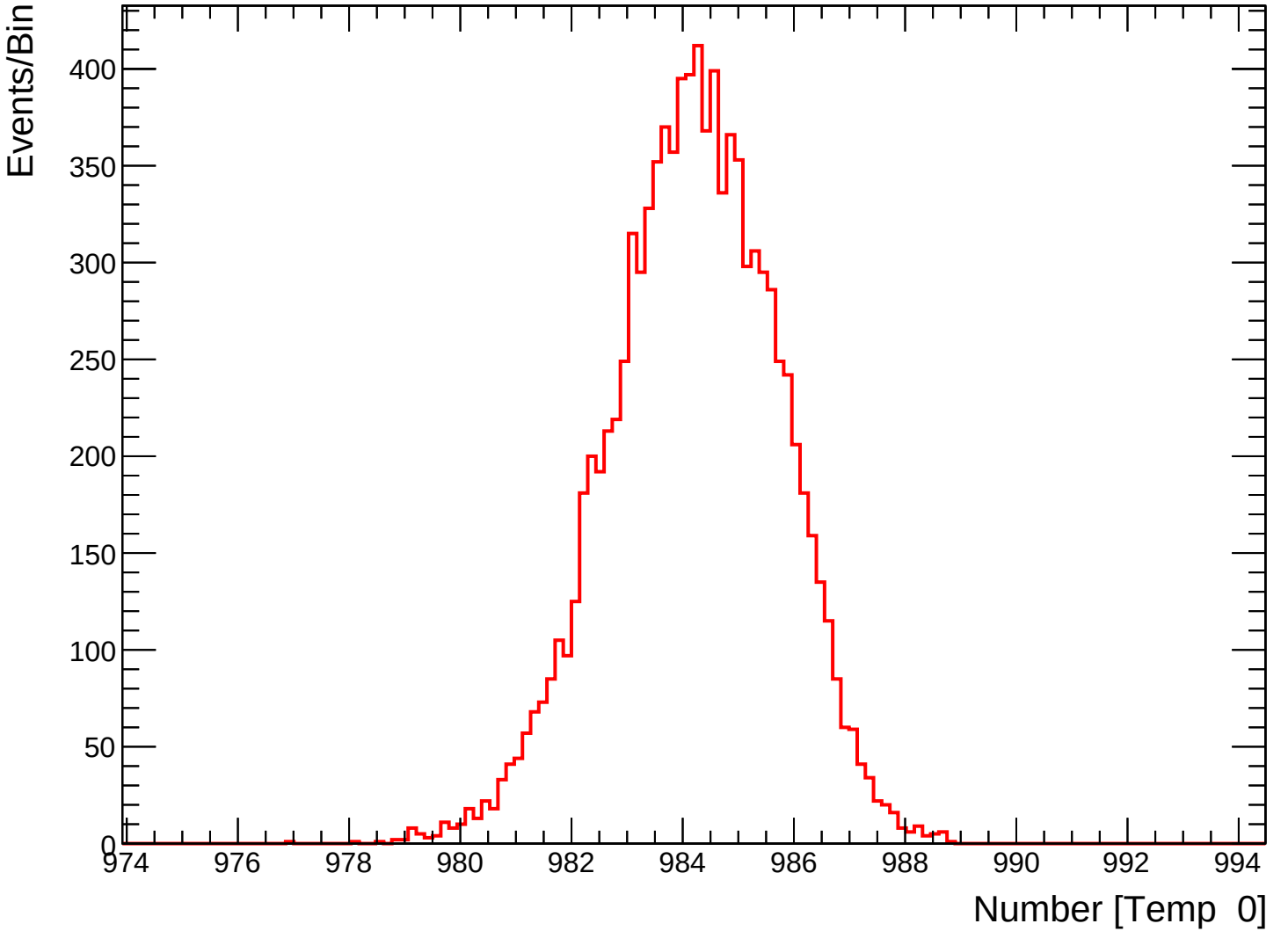

Time 14 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (404.2 ± 23.3)
e⁻+π⁻ (0.0 ± 11.1)
χ² 1.06
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

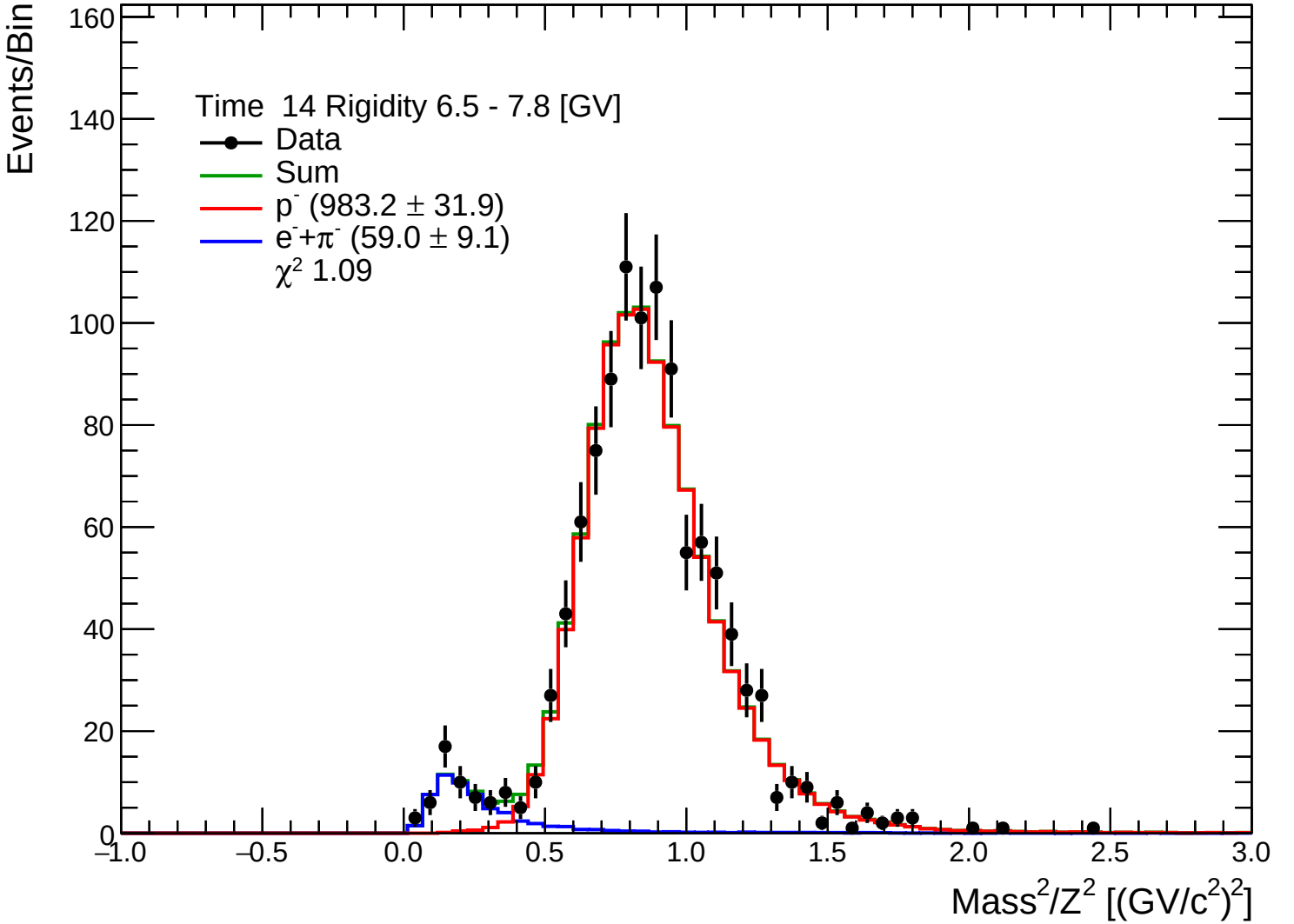

Events/Bin
1200
1000
800
600
400
200
0
390
400
410
420
430
Number [Temp 0]

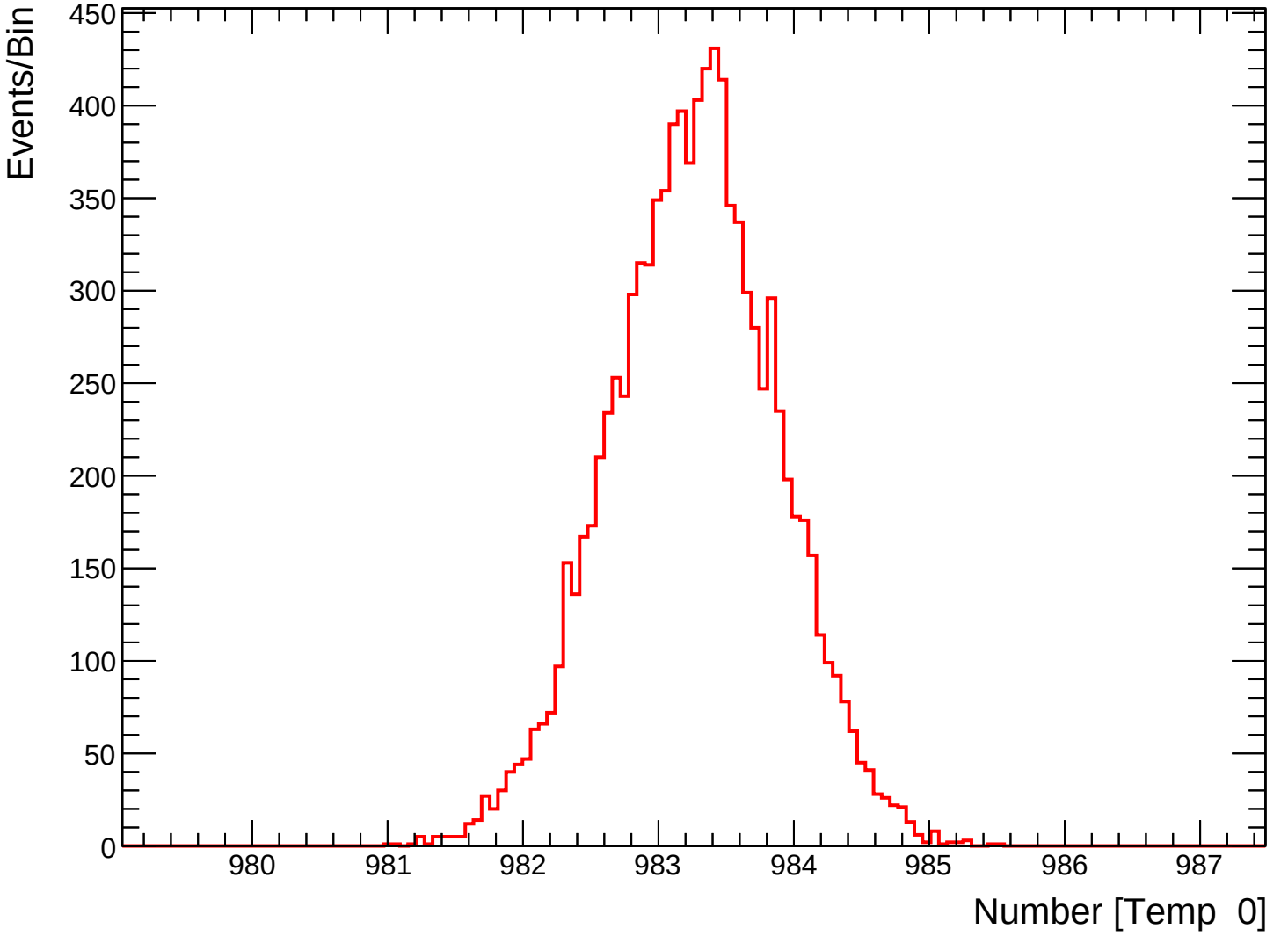

Time 14 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (743.4 ± 30.6)
e⁻+π⁻ (10.6 ± 14.1)
χ² 0.89
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

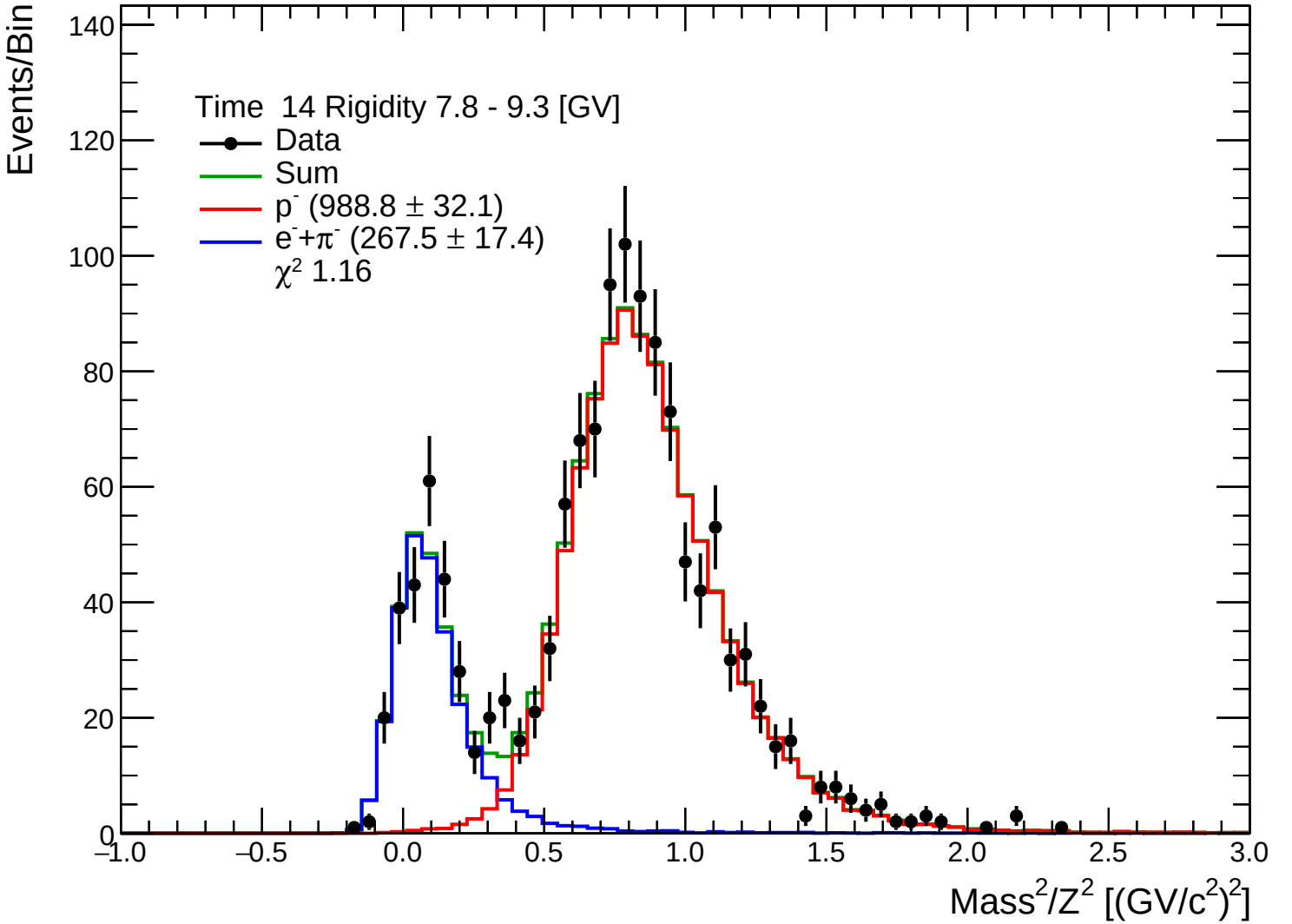

Events/Bin
400
350
300
250
200
150
100
50
0
730
735
740
745
750
755
760
Number [Temp 0]

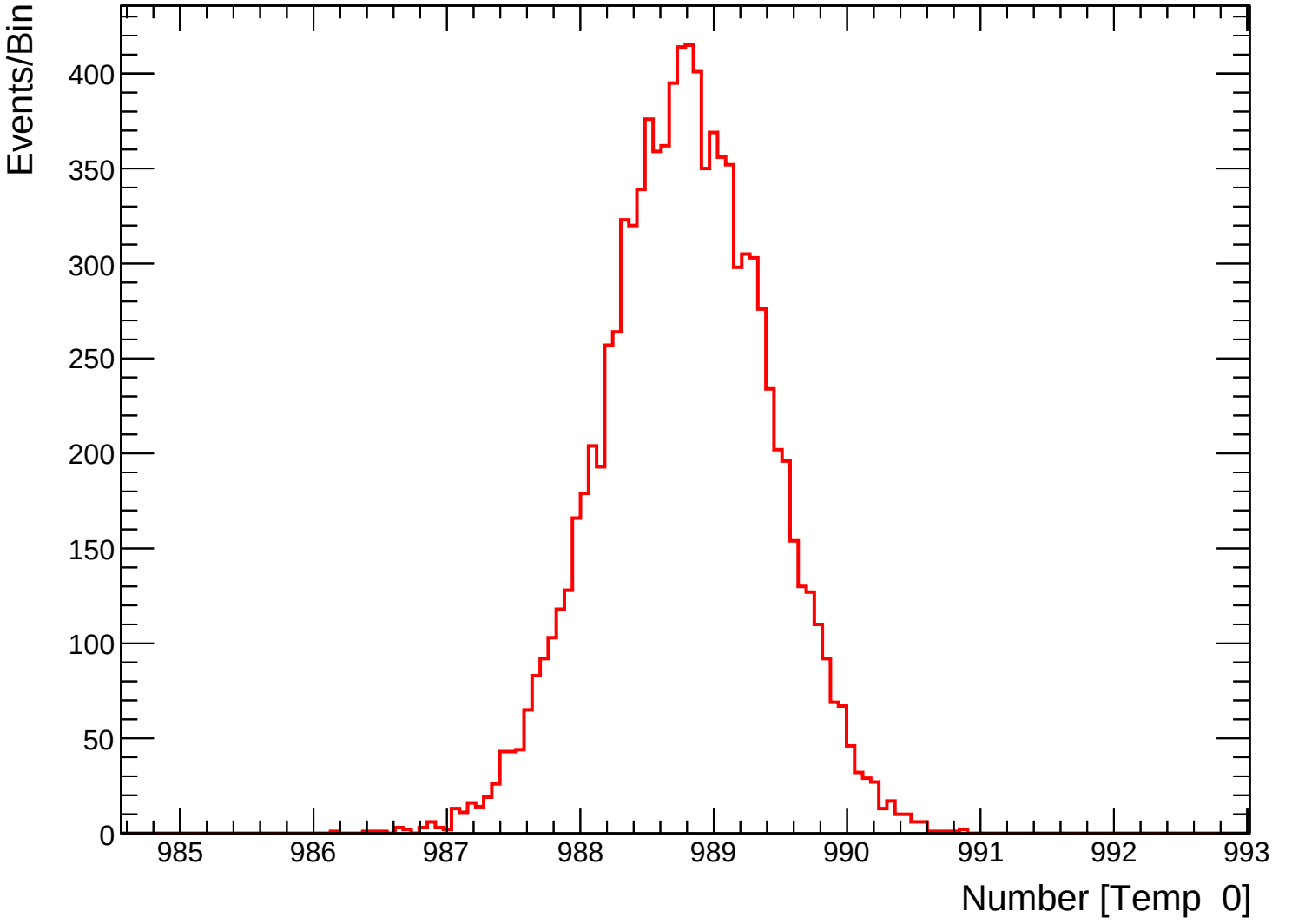

Time 14 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (984.0 ± 32.4)
e⁻+π⁻ (20.4 ± 8.7)
χ² 0.84
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

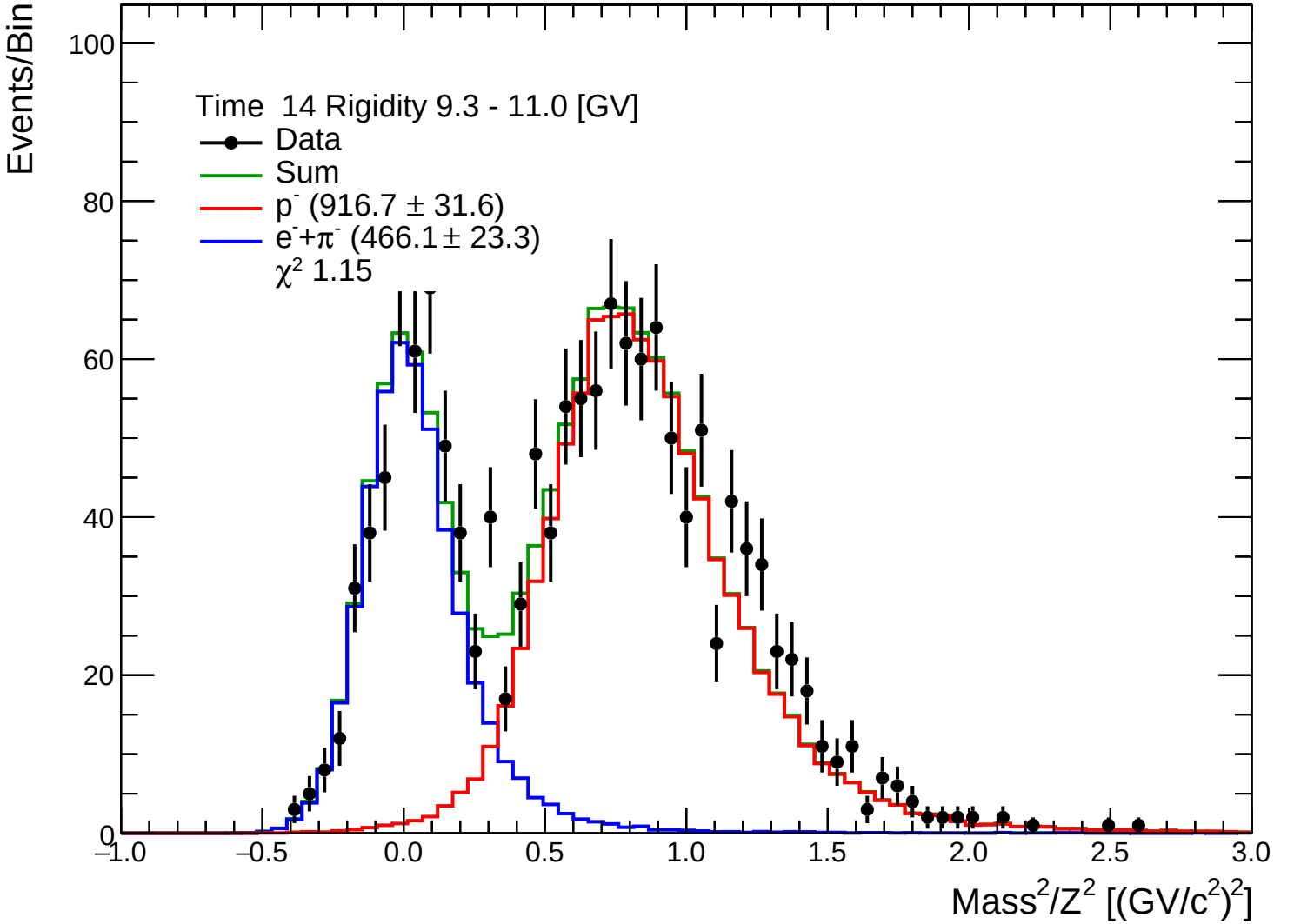

Events/Bin
400
350
300
250
200
150
100
50
0
974
976
978
980
982
984
986
988
990
992
994
Number [Temp 0]

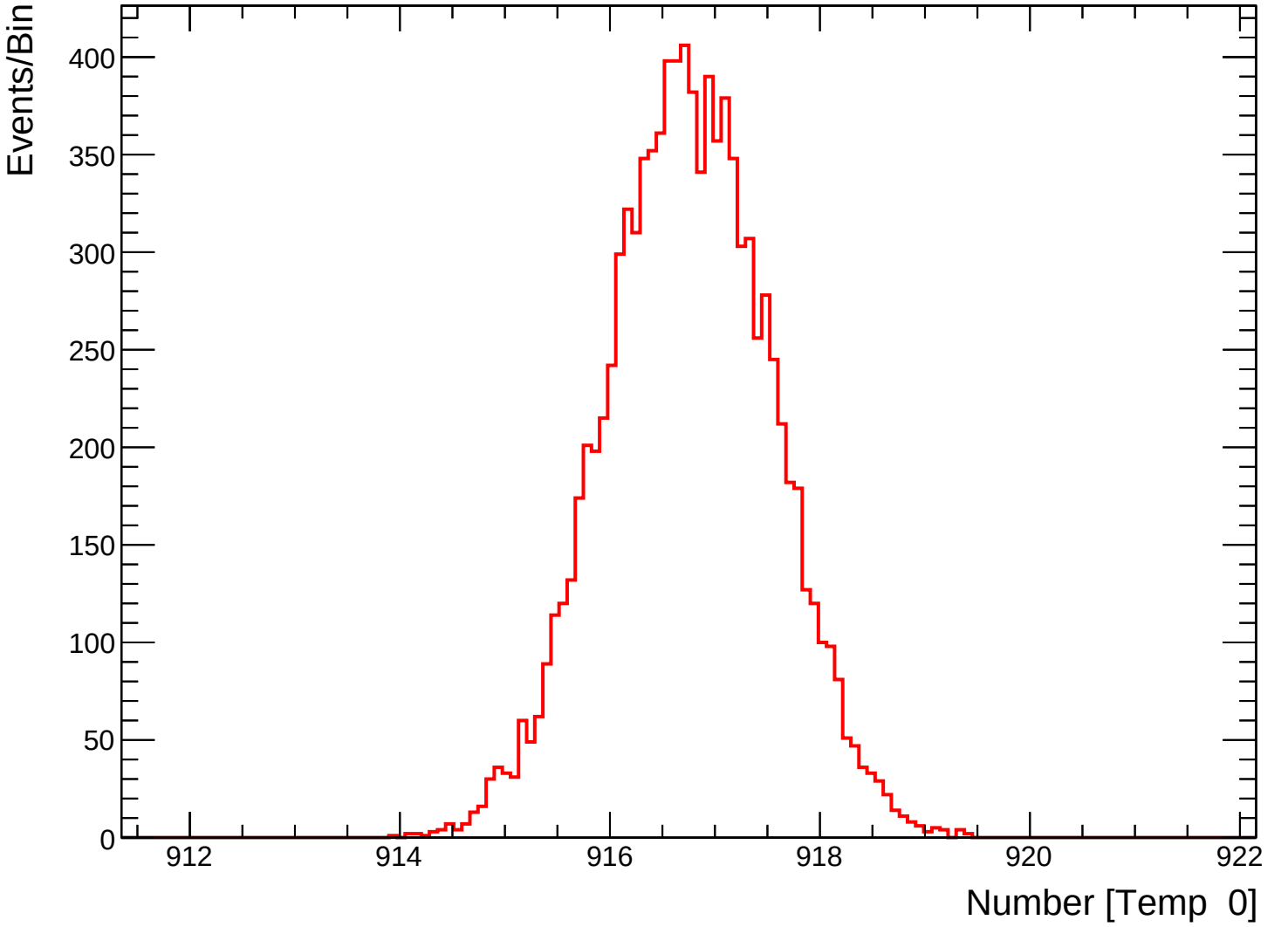

Time 14 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (983.2 ± 31.9)
e⁻+π⁻ (59.0 ± 9.1)
χ² 1.09
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

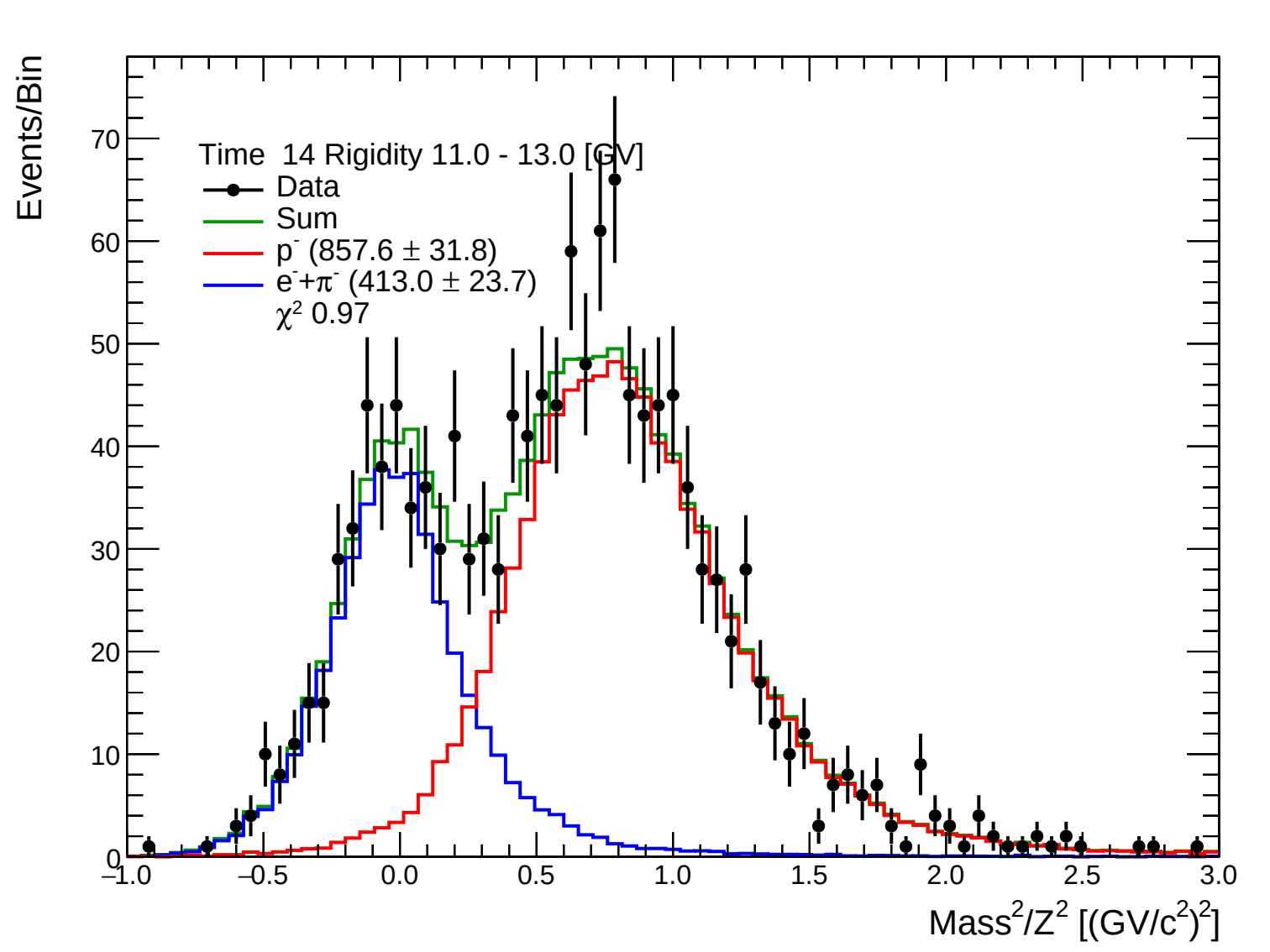

Events/Bin
450
400
350
300
250
200
150
100
50
0
980
981
982
983
984
985
986
987
Number [Temp 0]

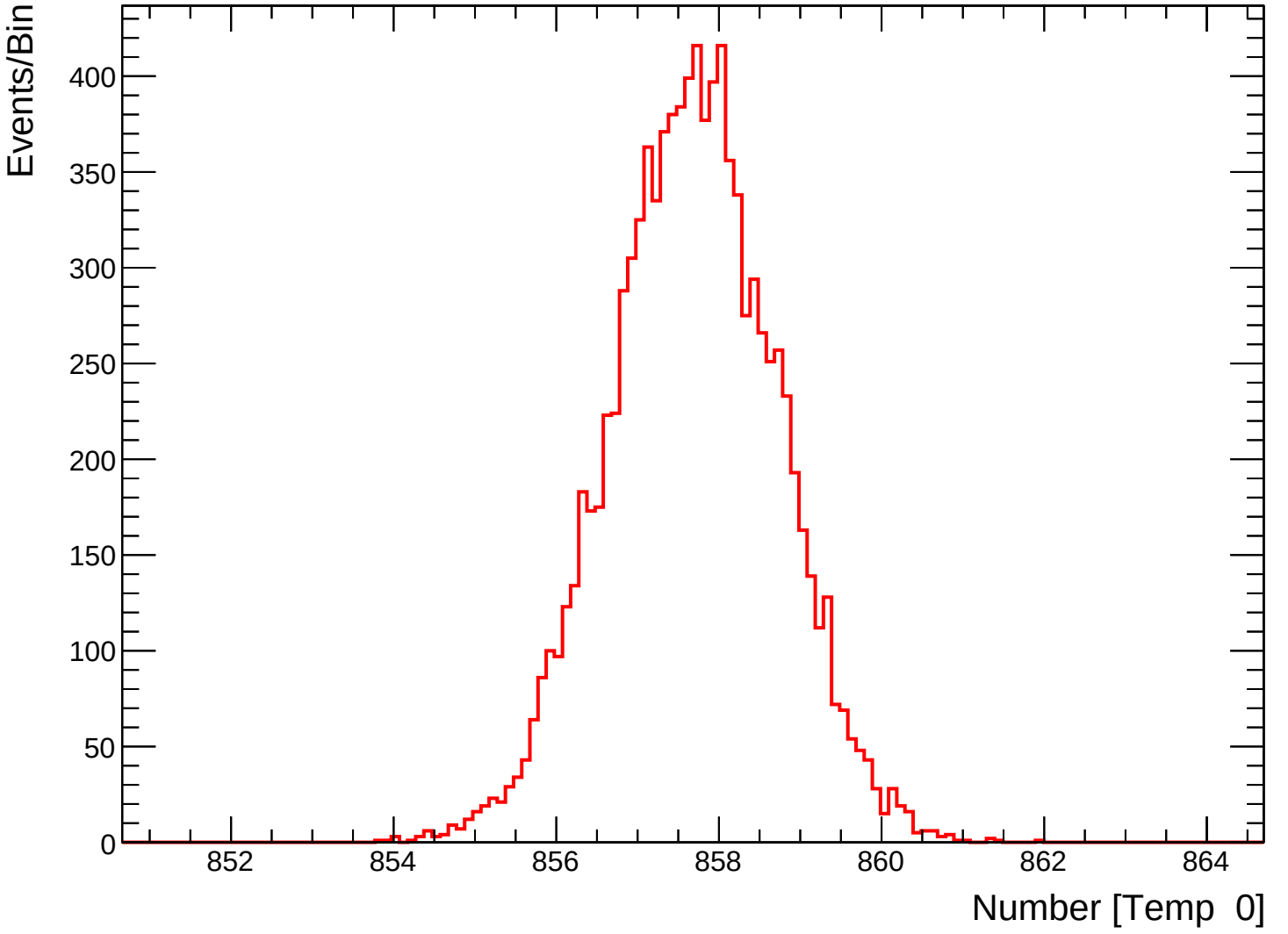

Time 14 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (988.8 ± 32.1)
e⁻+π⁻ (267.5 ± 17.4)
χ² 1.16
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

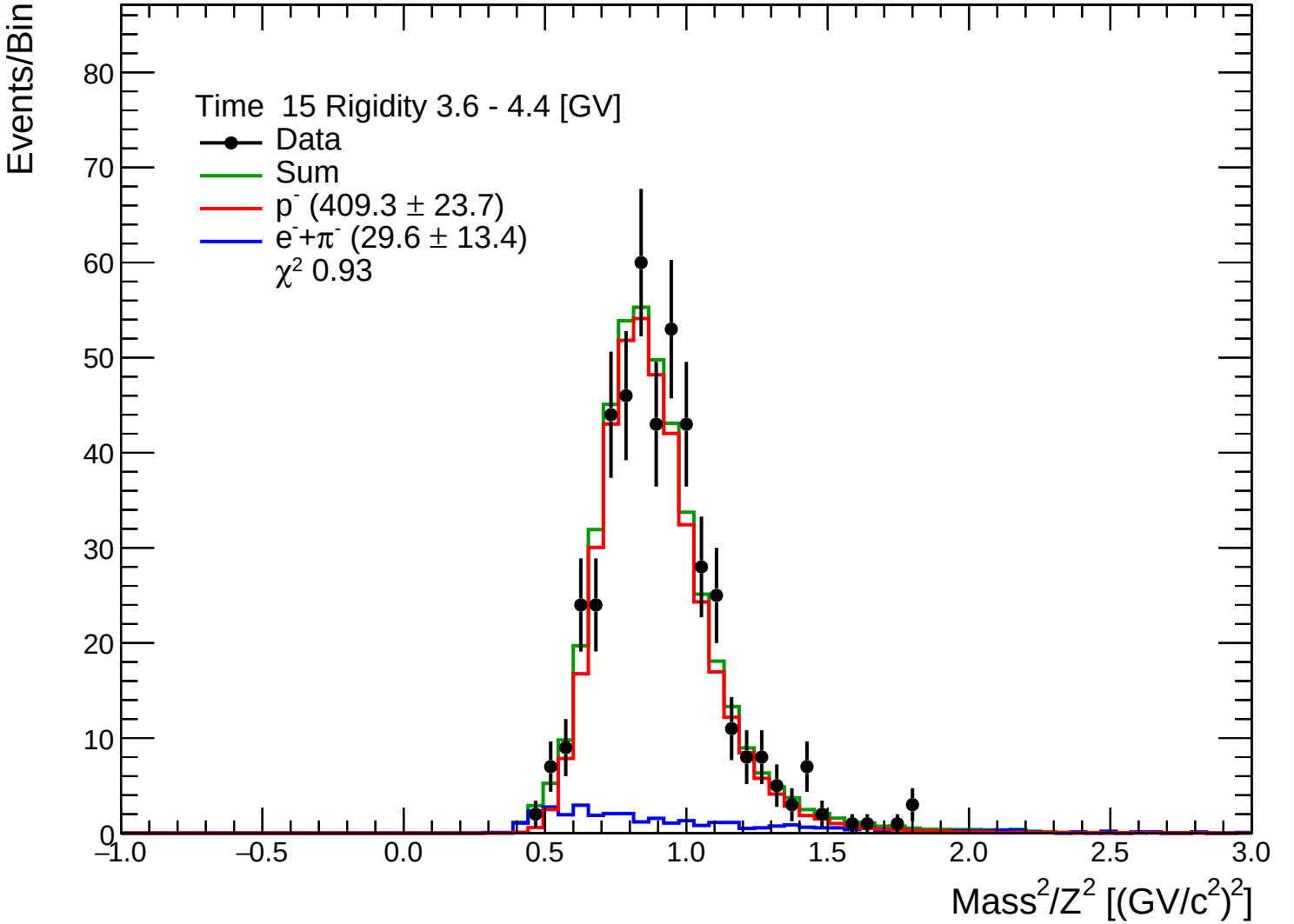

Events/Bin
400
350
300
250
200
150
100
50
0
985
986
987
988
989
990
991
992
993
Number [Temp 0]

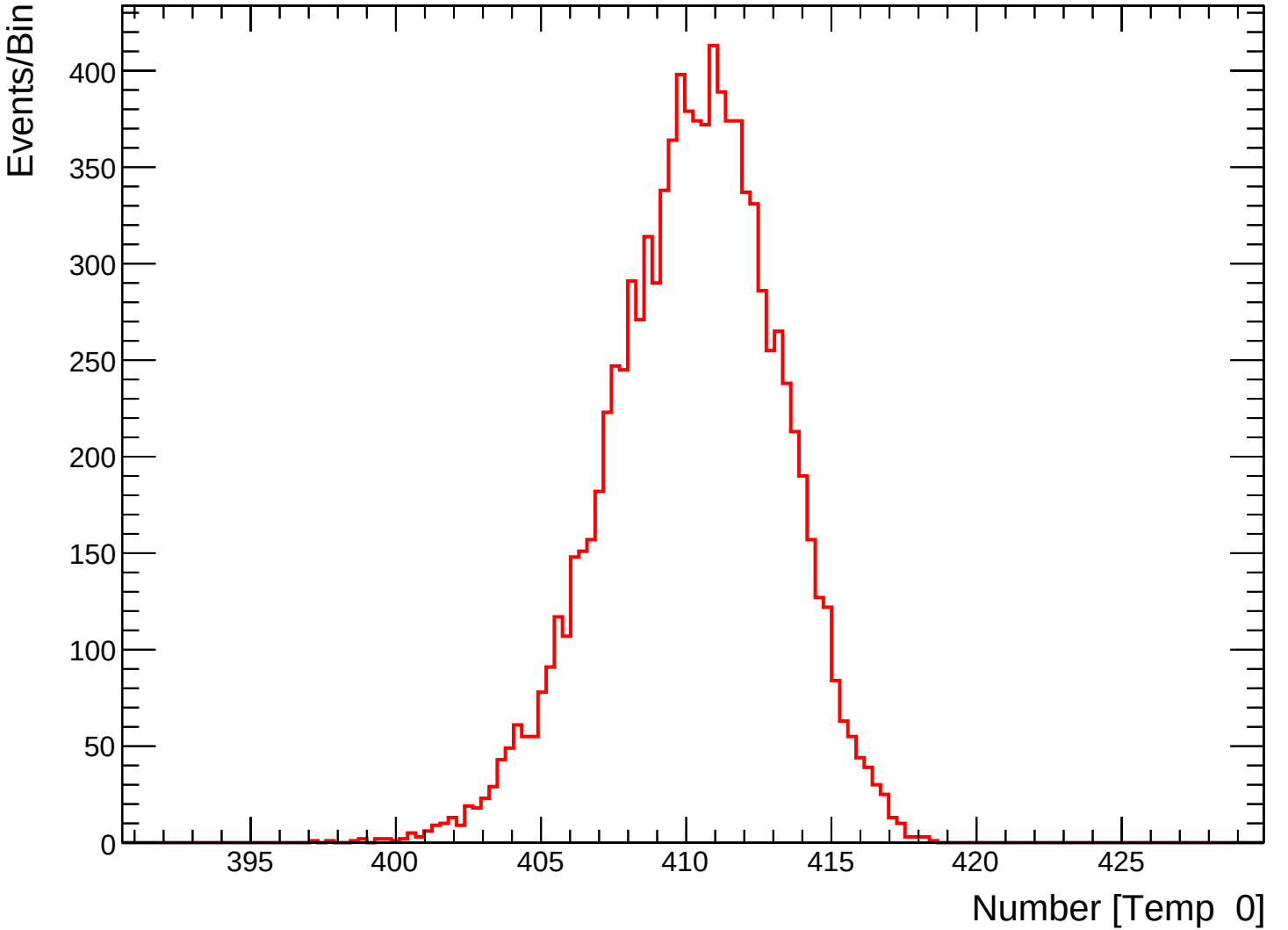

Time 14 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (916.7 ± 31.6)
e⁻+π⁻ (466.1 ± 23.3)
χ² 1.15
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

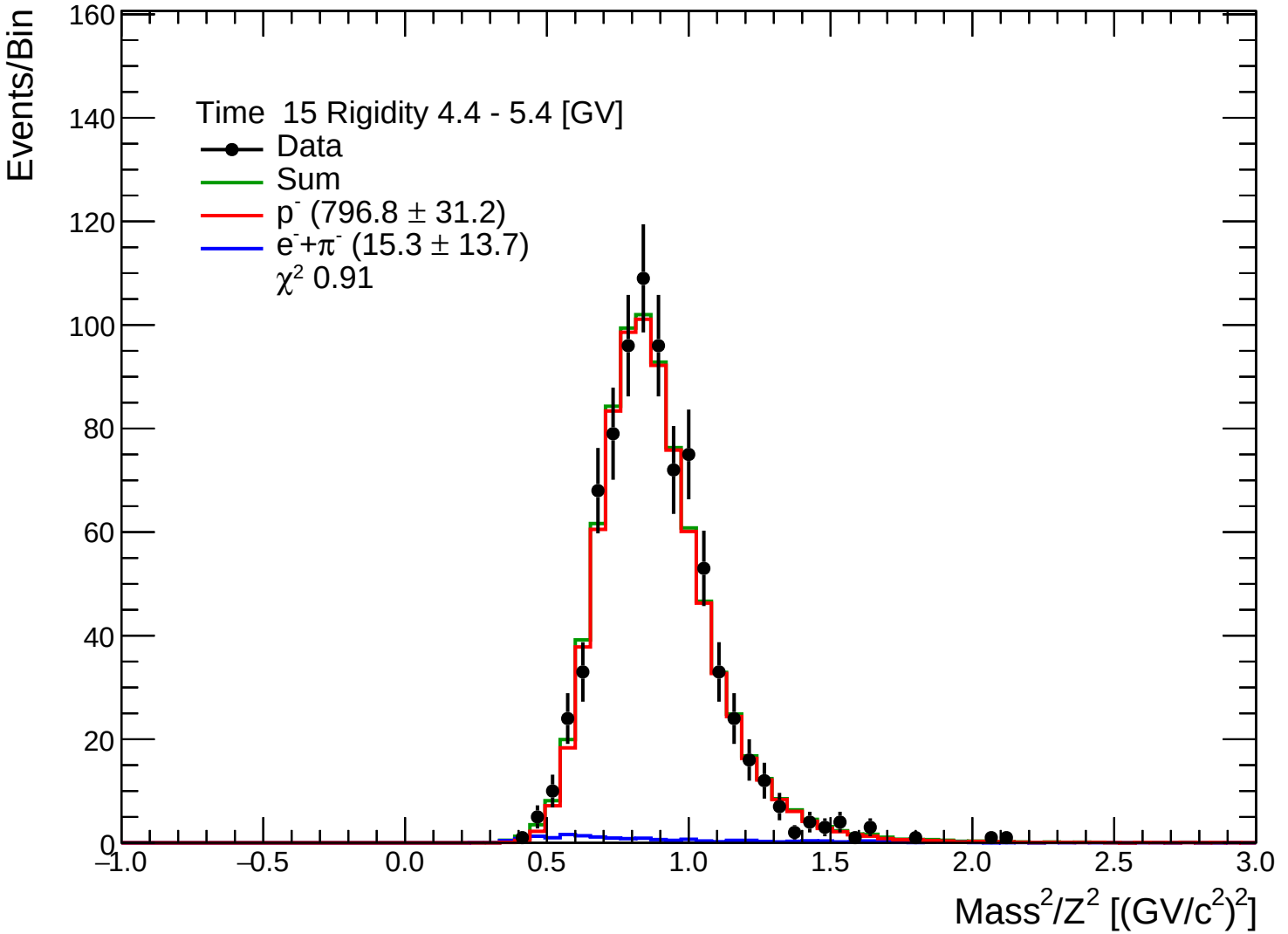

Events/Bin
400
350
300
250
200
150
100
50
0
912
914
916
918
920
922
Number [Temp 0]

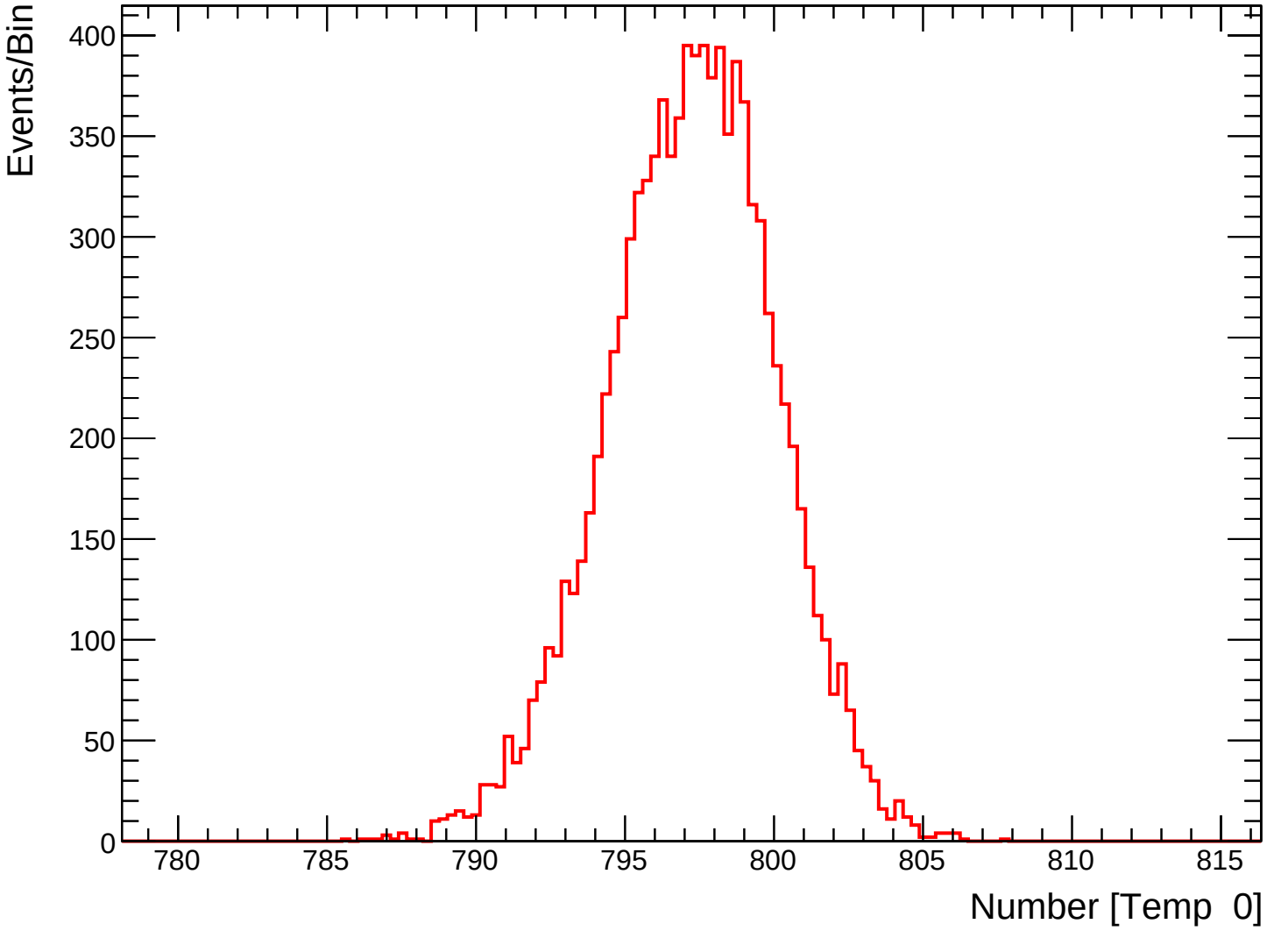

Time 14 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (857.6 ± 31.8)
e⁻+π⁻ (413.0 ± 23.7)
χ² 0.97
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

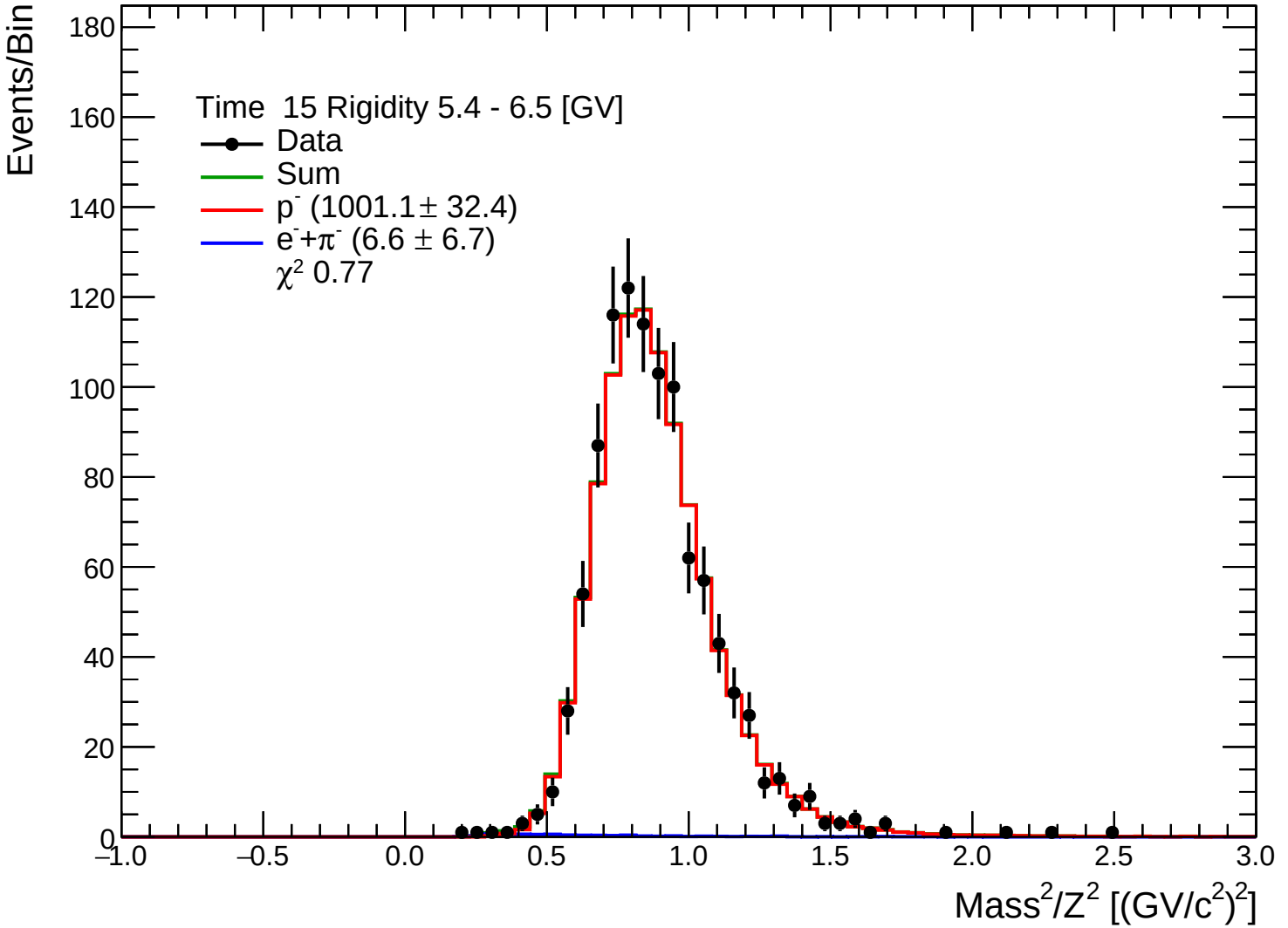

Events/Bin
400
350
300
250
200
150
100
50
0
852
854
856
858
860
862
864
Number [Temp 0]

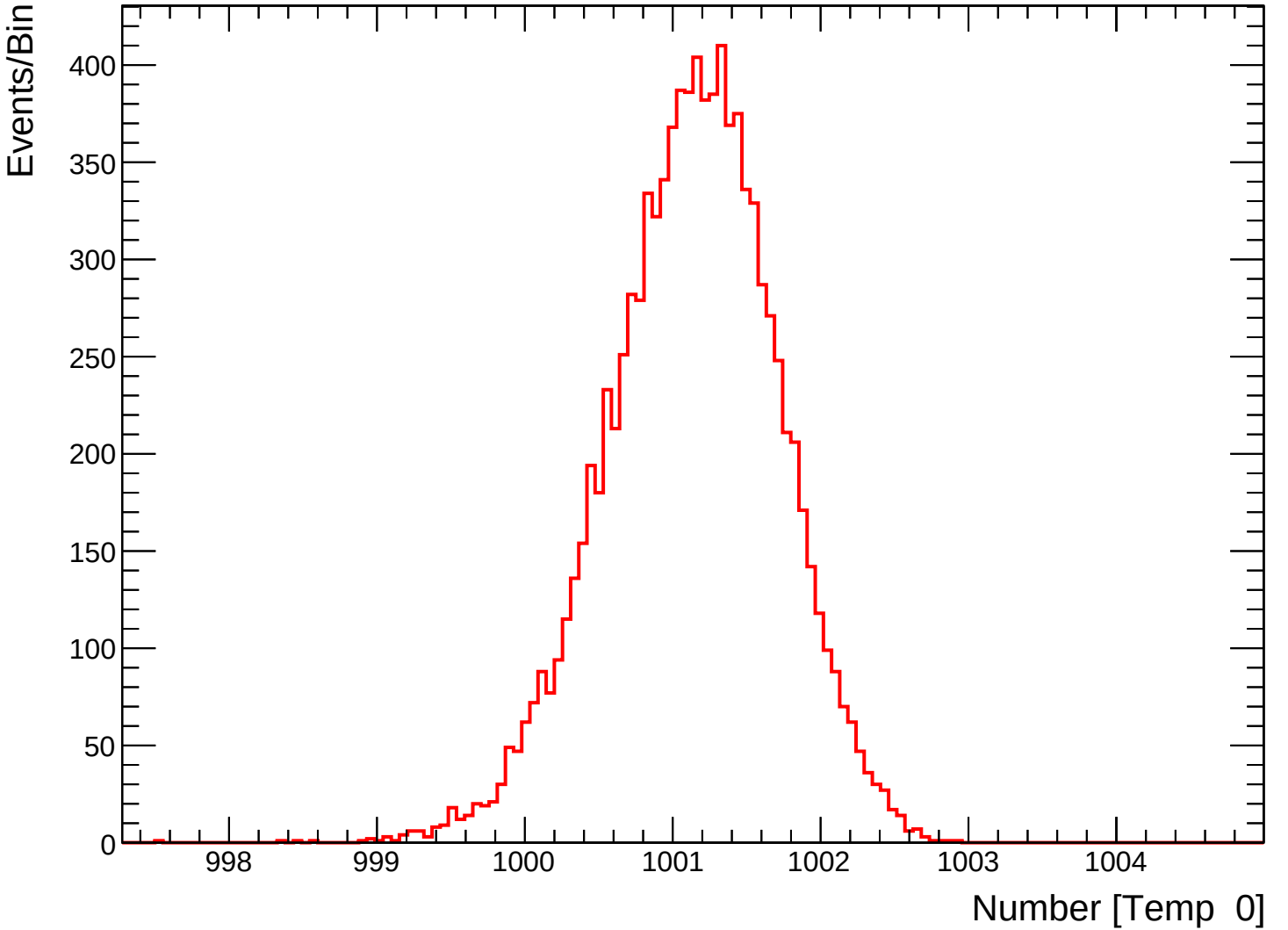

Time 15 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (409.3 ± 23.7)
e⁻+π⁻ (29.6 ± 13.4)
χ² 0.93
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

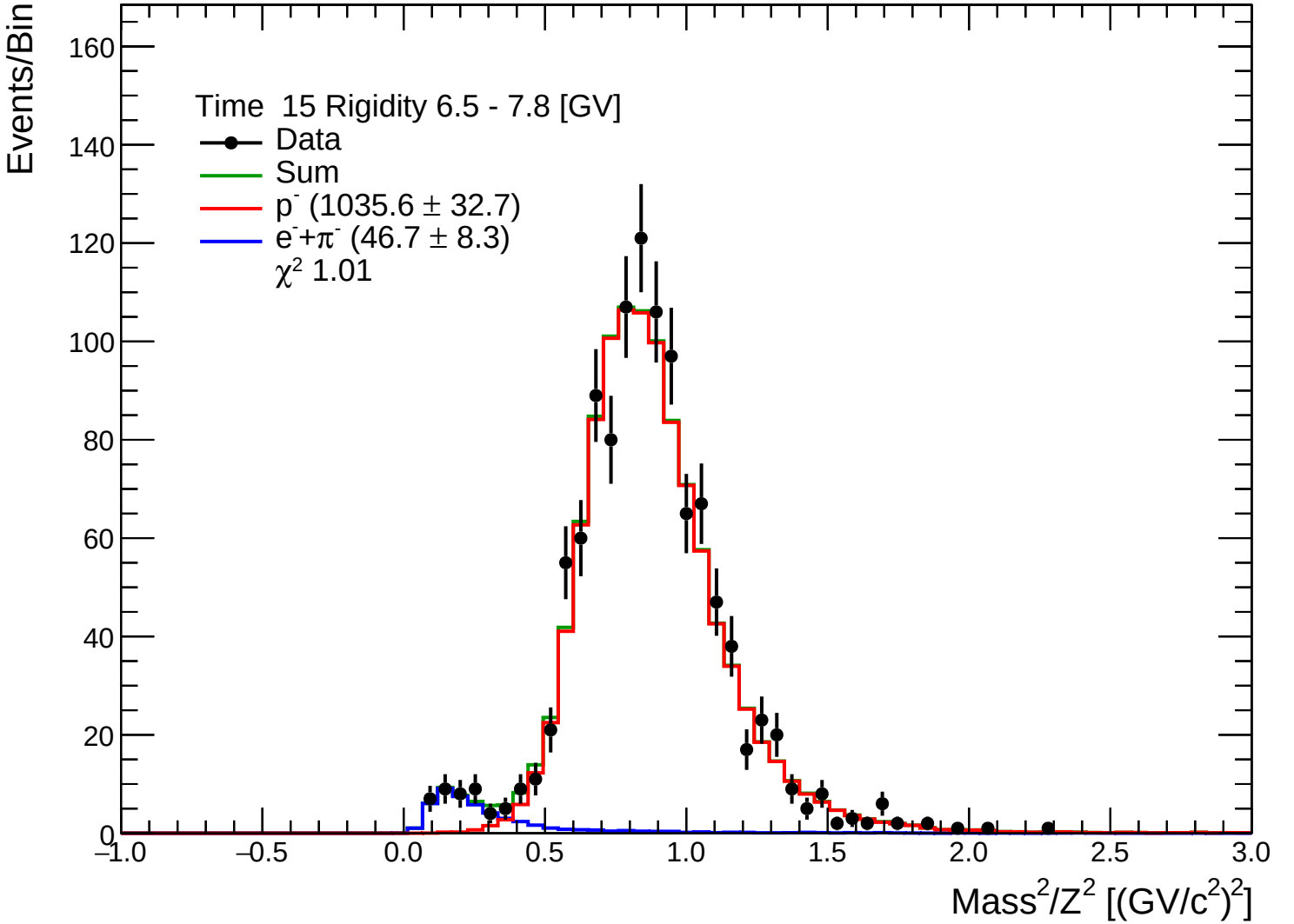

Events/Bin
400
350
300
250
200
150
100
50
0
395
400
405
410
415
420
425
Number [Temp 0]

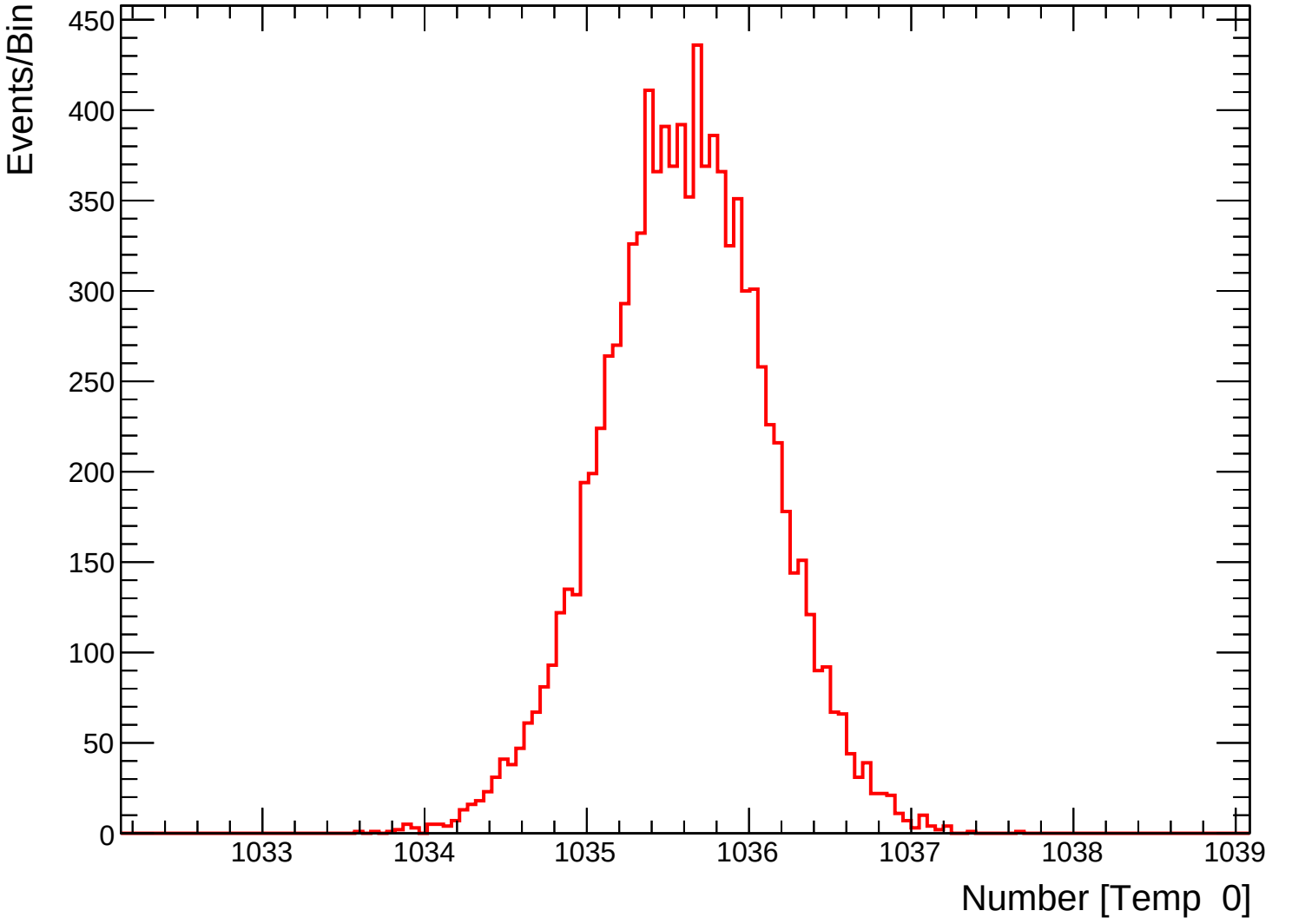

Time 15 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (796.8 ± 31.2)
e⁻+π⁻ (15.3 ± 13.7)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

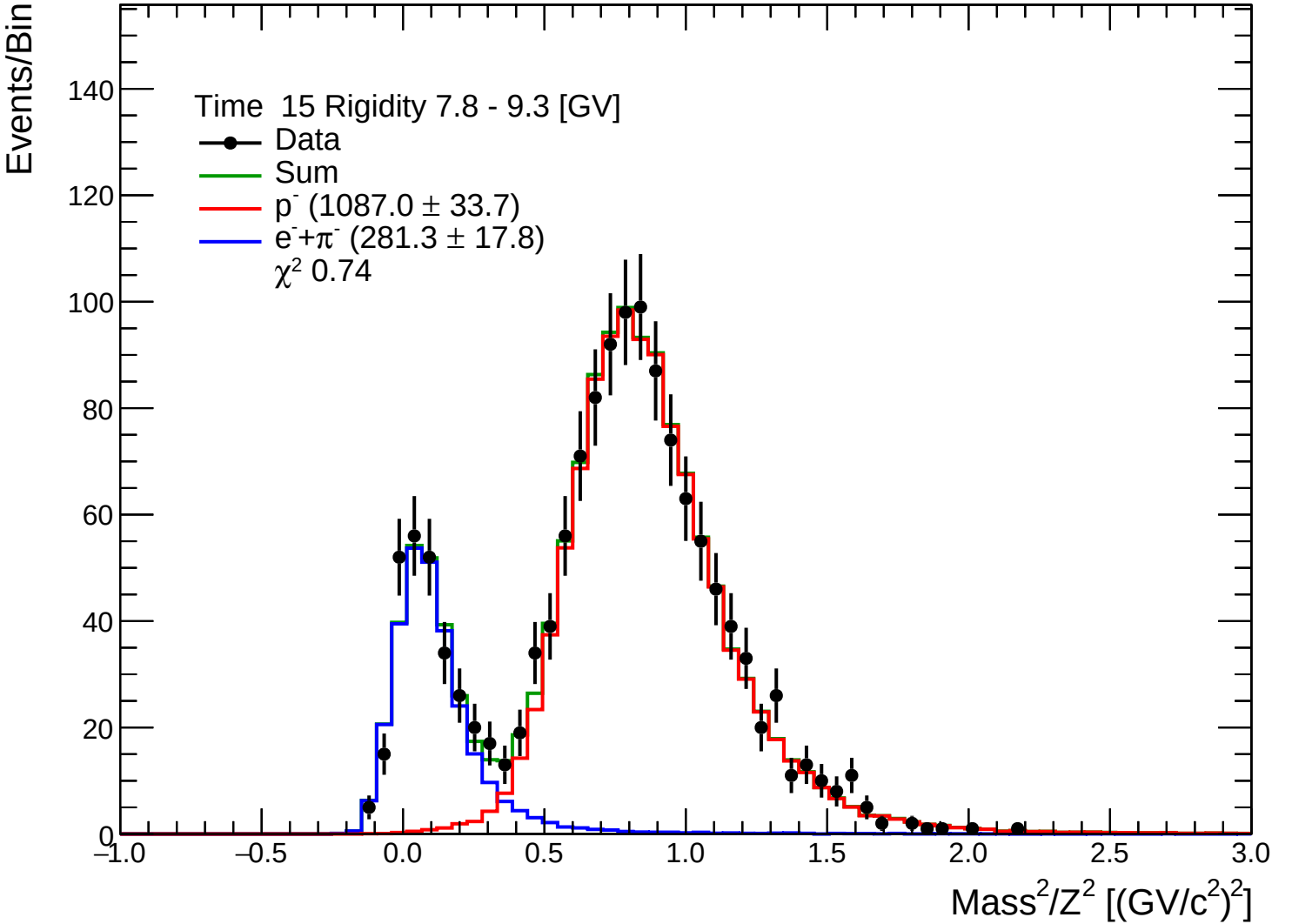

Events/Bin
400
350
300
250
200
150
100
50
0
780
785
790
795
800
805
810
815
Number [Temp 0]

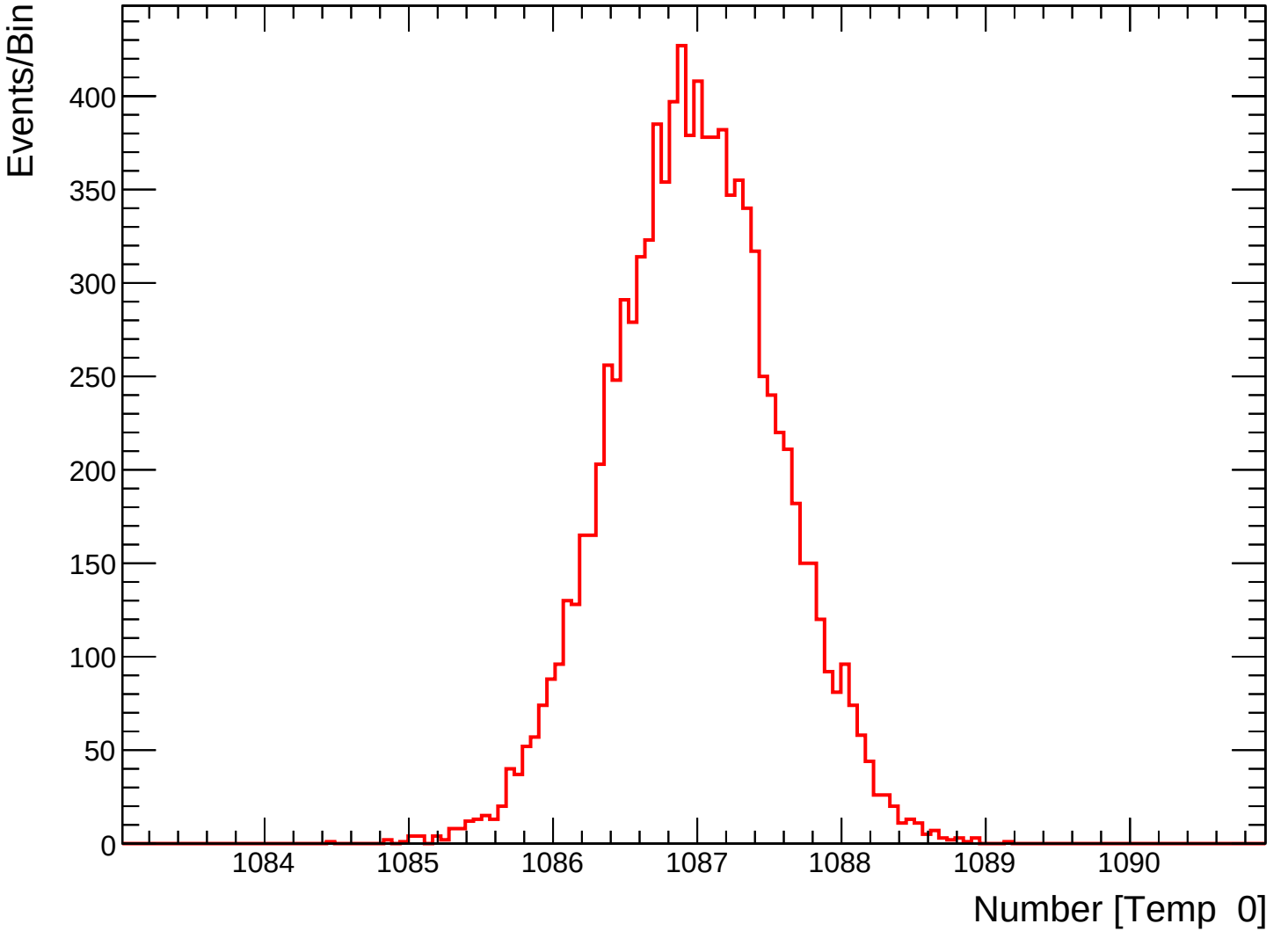

Time 15 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (1001.1± 32.4)
e⁻+π⁻ (6.6 ± 6.7)
χ² 0.77
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

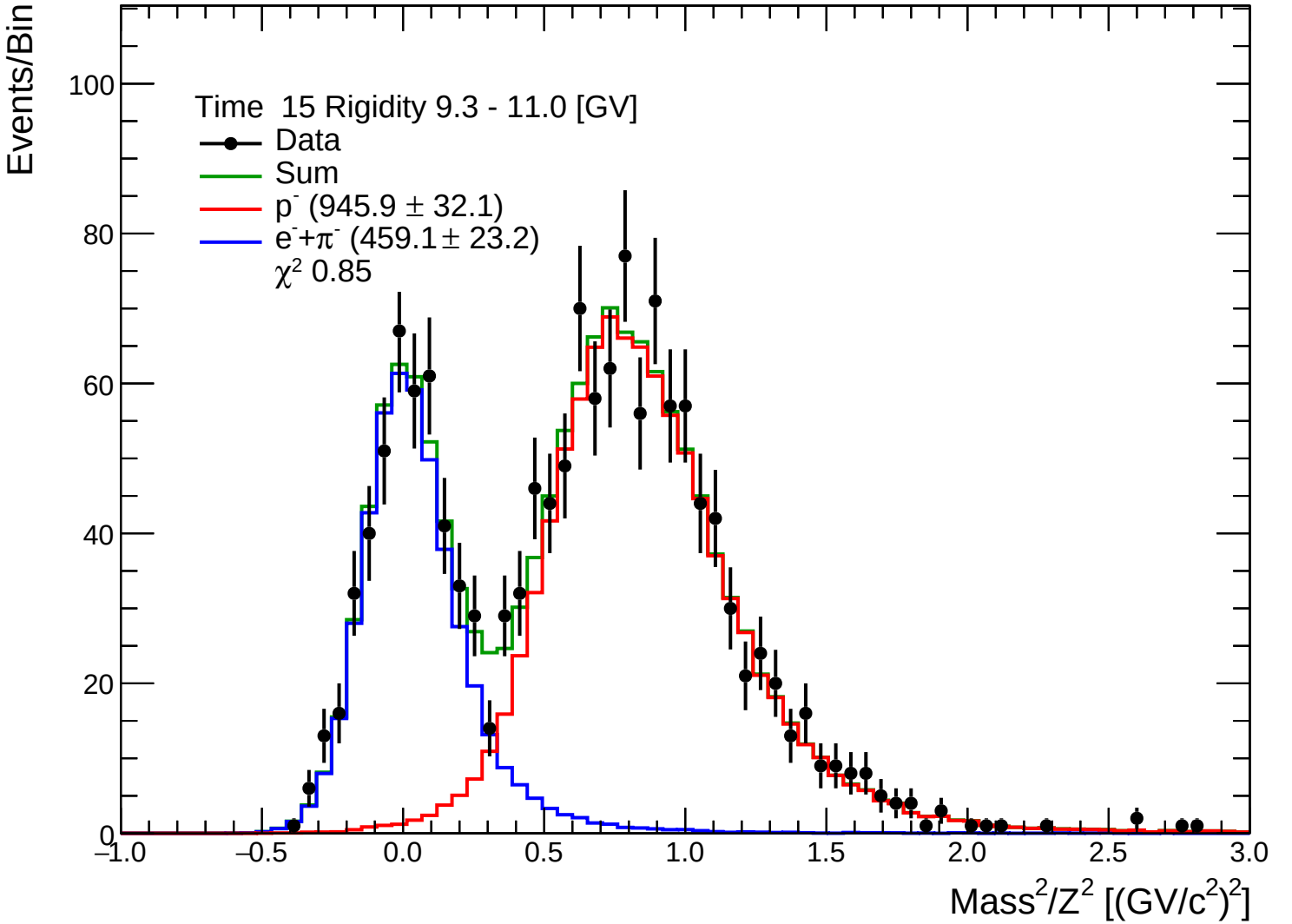

Events/Bin
400
350
300
250
200
150
100
50
0
998
999
1000
1001
1002
1003
1004
Number [Temp 0]

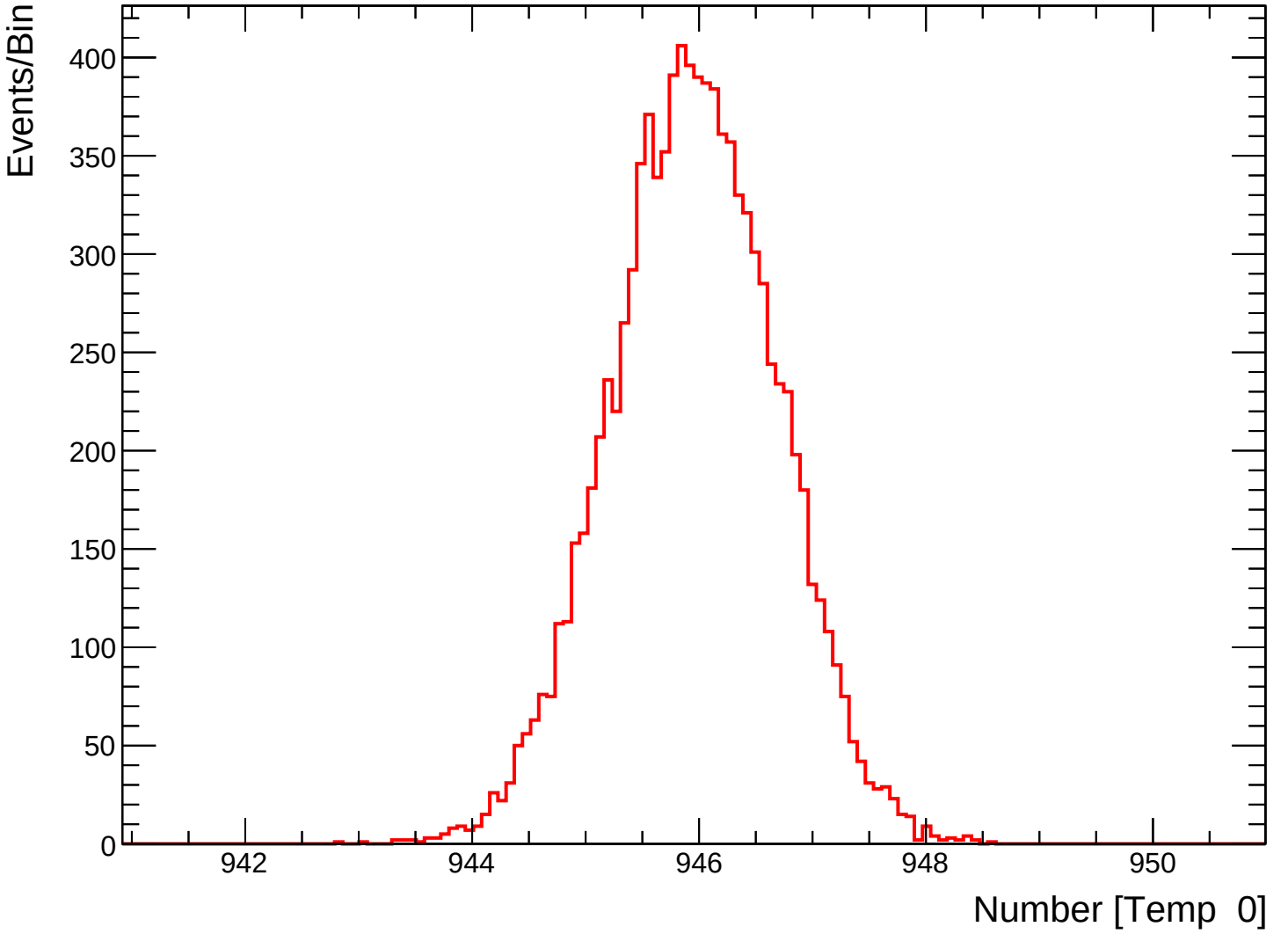

Time 15 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1035.6 ± 32.7)
e⁻+π⁻ (46.7 ± 8.3)
χ² 1.01
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

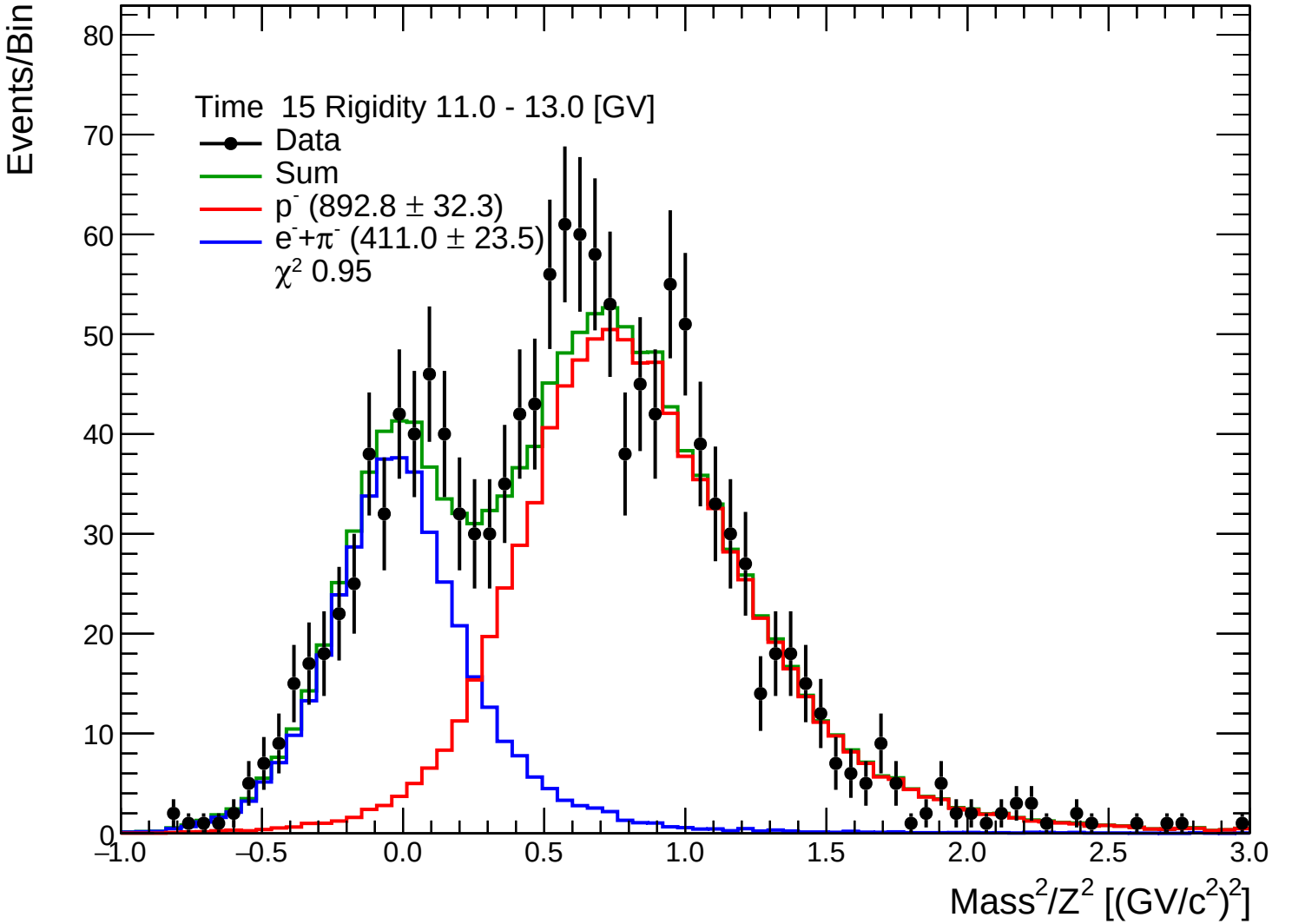

Events/Bin
450
400
350
300
250
200
150
100
50
0
1033
1034
1035
1036
1037
1038
1039
Number [Temp 0]

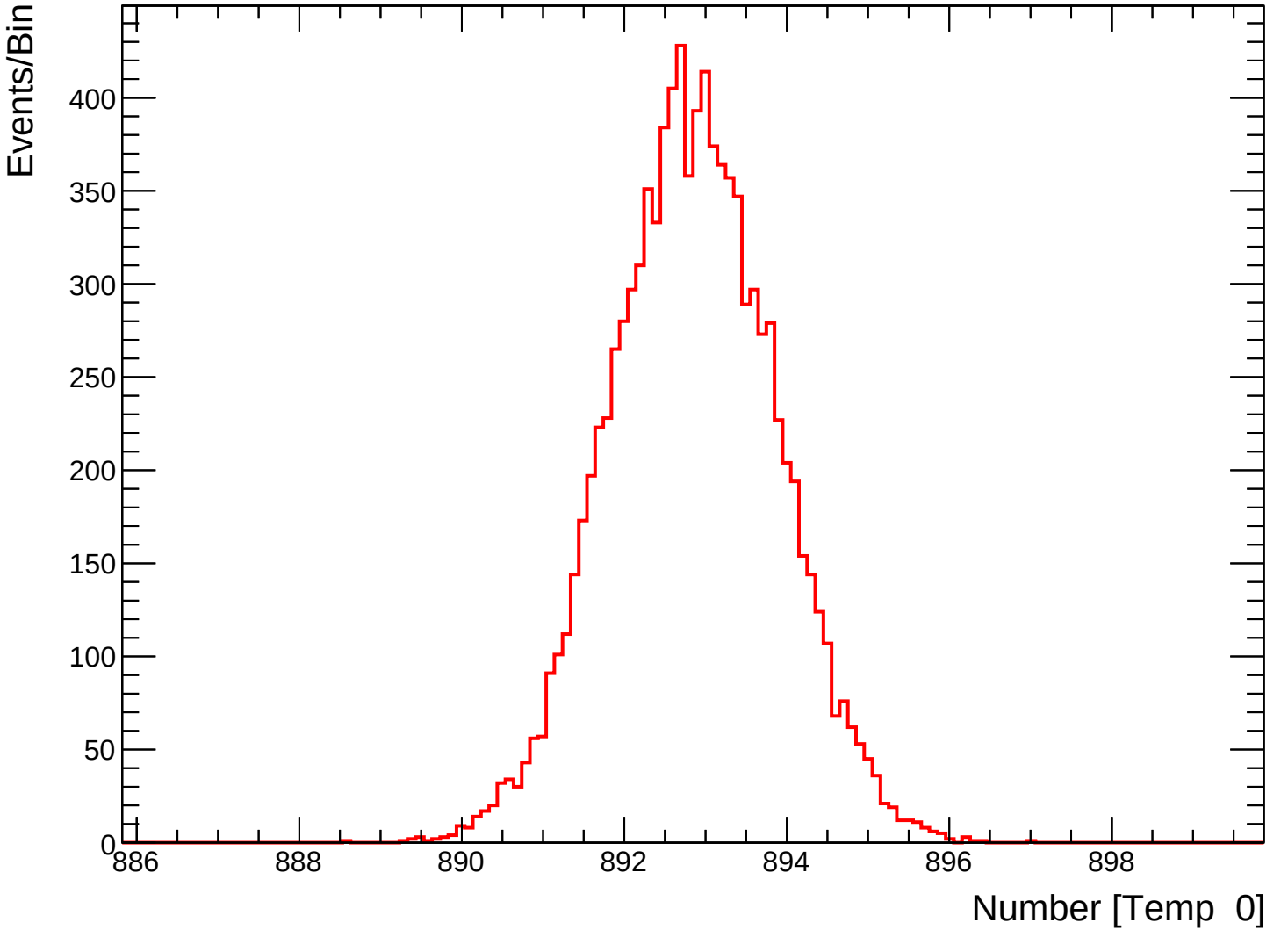

Time 15 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1087.0 ± 33.7)
e⁻+π⁻ (281.3 ± 17.8)
χ² 0.74
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

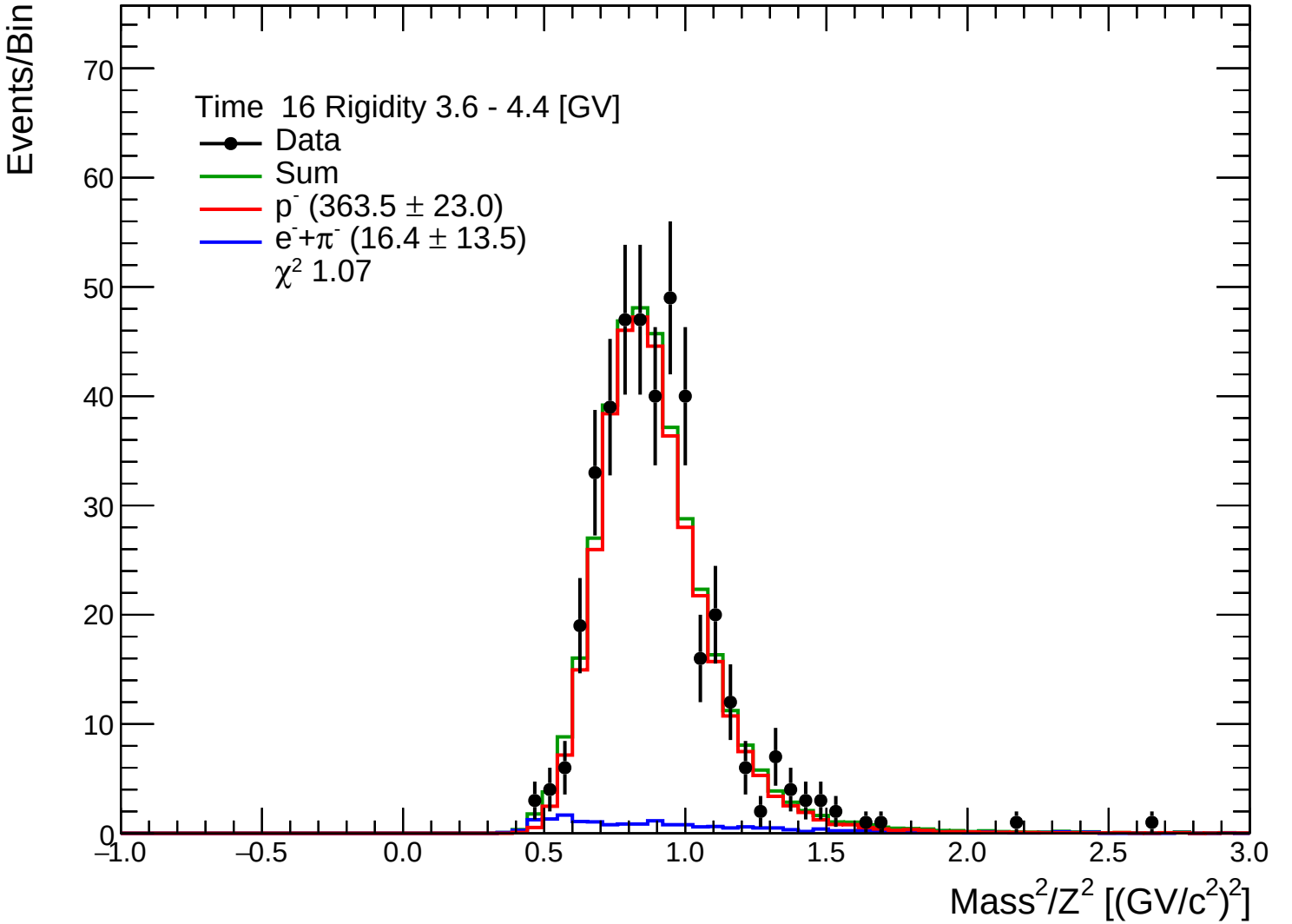

Events/Bin
400
350
300
250
200
150
100
50
0
1084
1085
1086
1087
1088
1089
1090
Number [Temp 0]

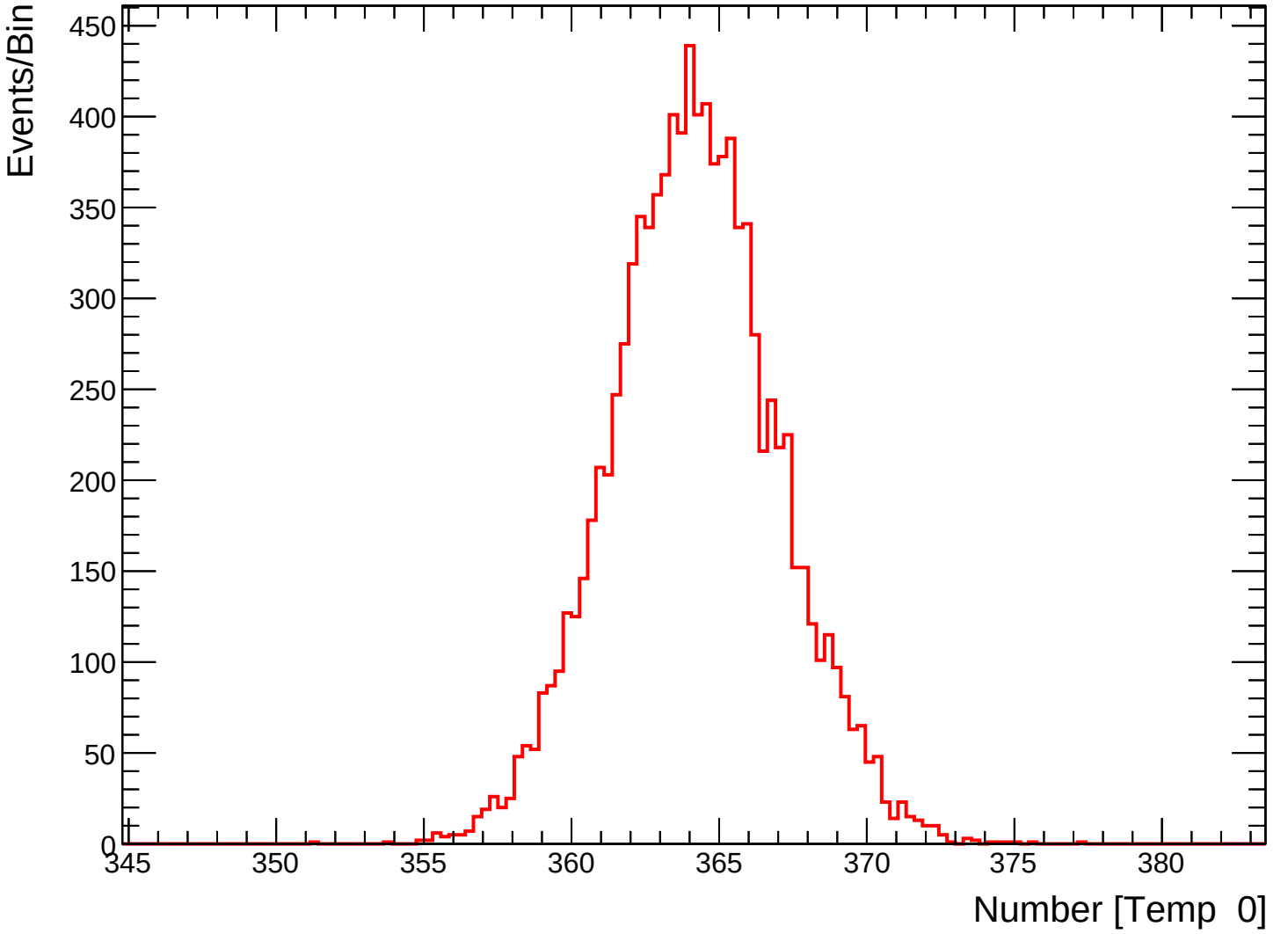

Events/Bin
Time 15 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (945.9 ± 32.1)
e⁻+π⁻ (459.1 ± 23.2)
χ² 0.85
Mass²/Z² [(GV/c²)²]

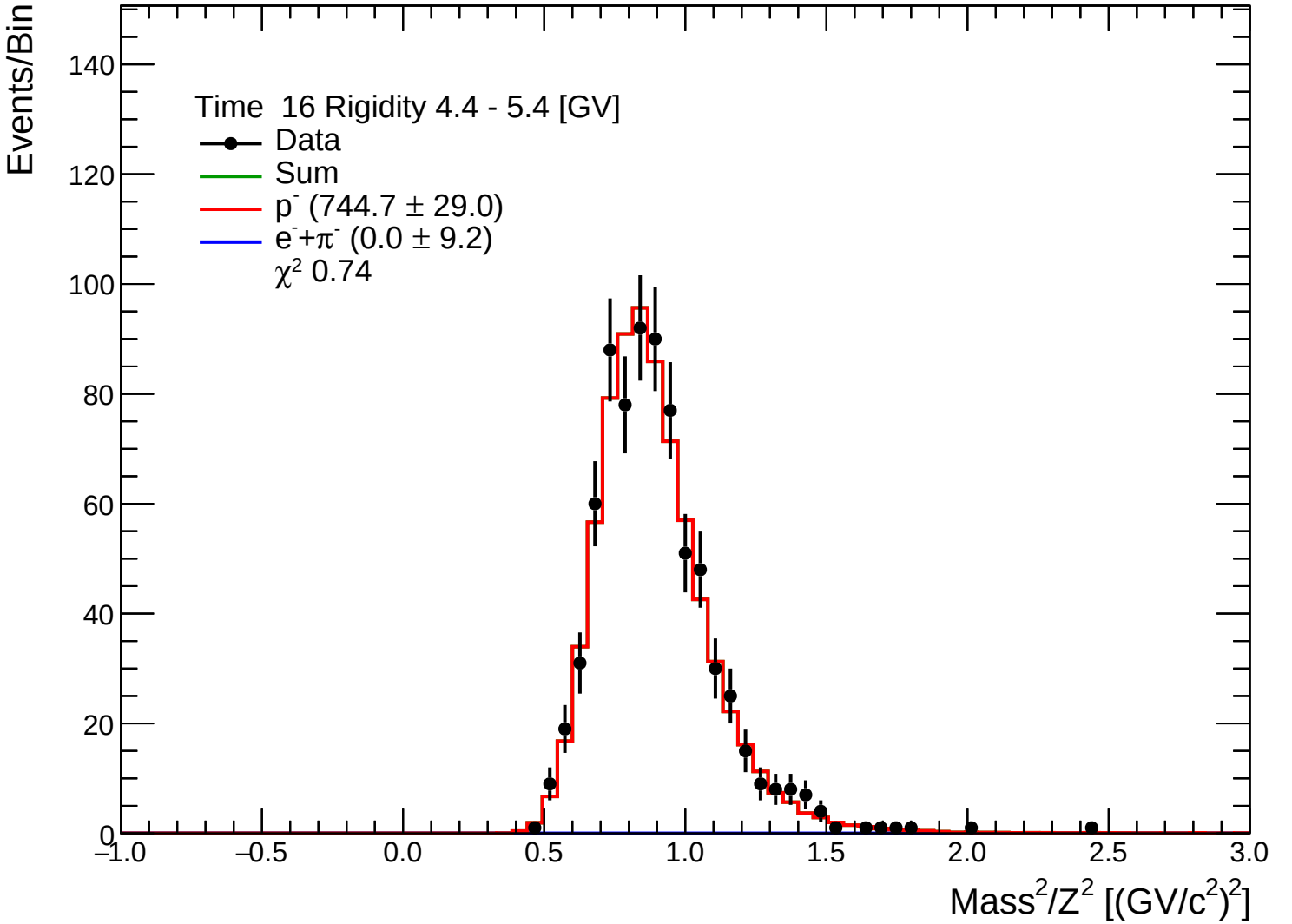

Events/Bin
400
350
300
250
200
150
100
50
0
942
944
946
948
950
Number [Temp 0]

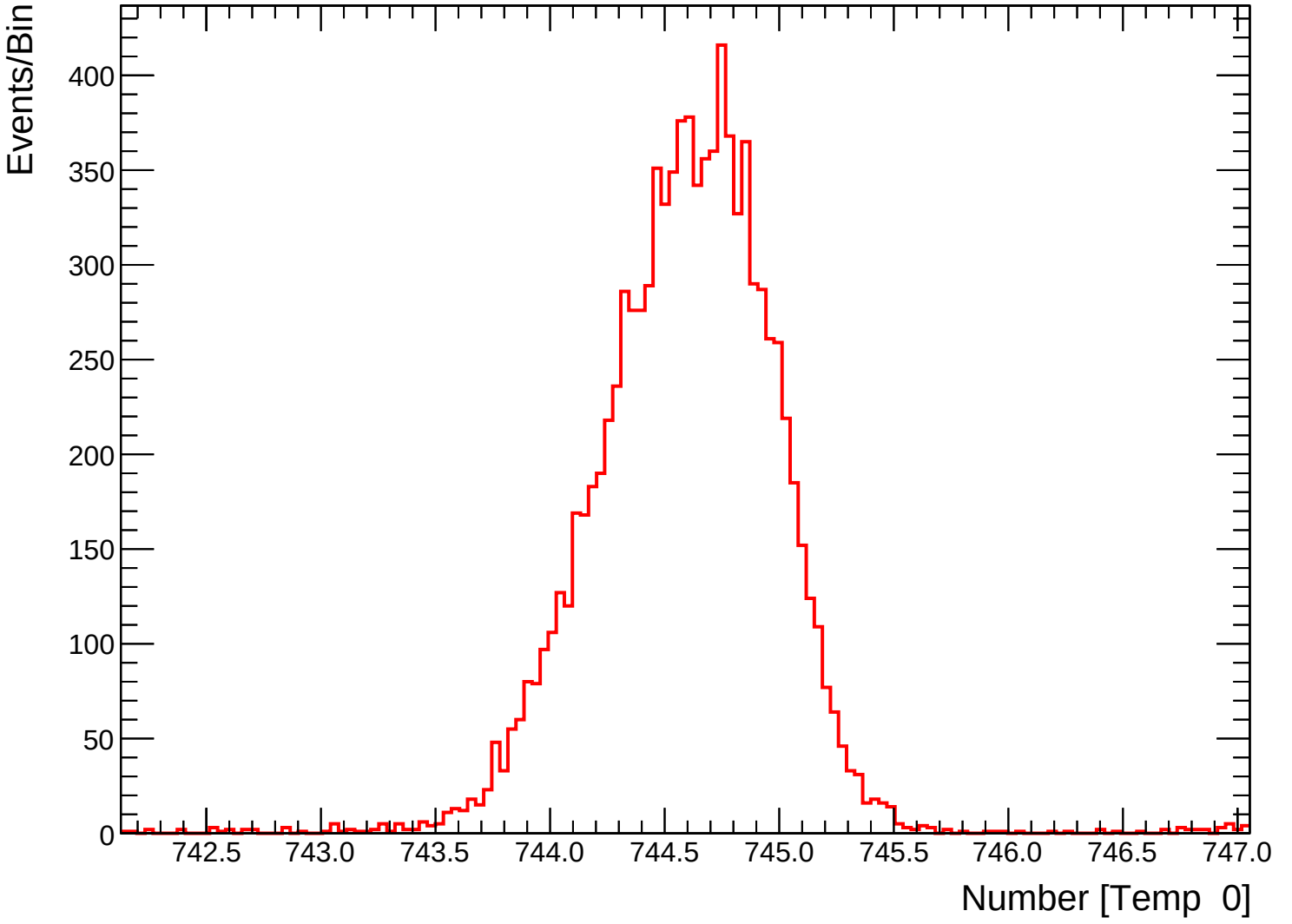

Time 15 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (892.8 ± 32.3)
e⁻+π⁻ (411.0 ± 23.5)
χ² 0.95
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

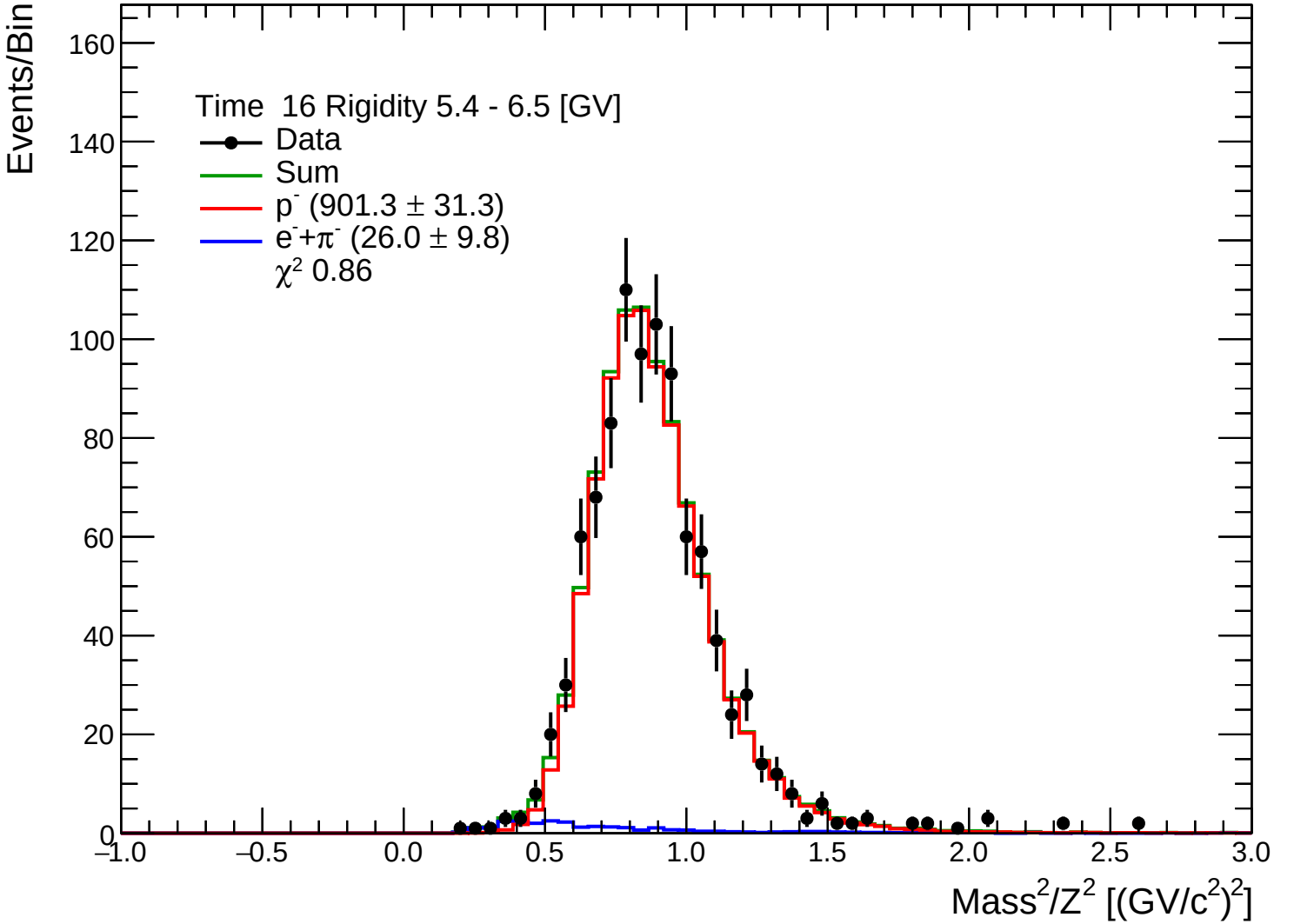

Events/Bin
400
350
300
250
200
150
100
50
0
886
888
890
892
894
896
898
Number [Temp 0]

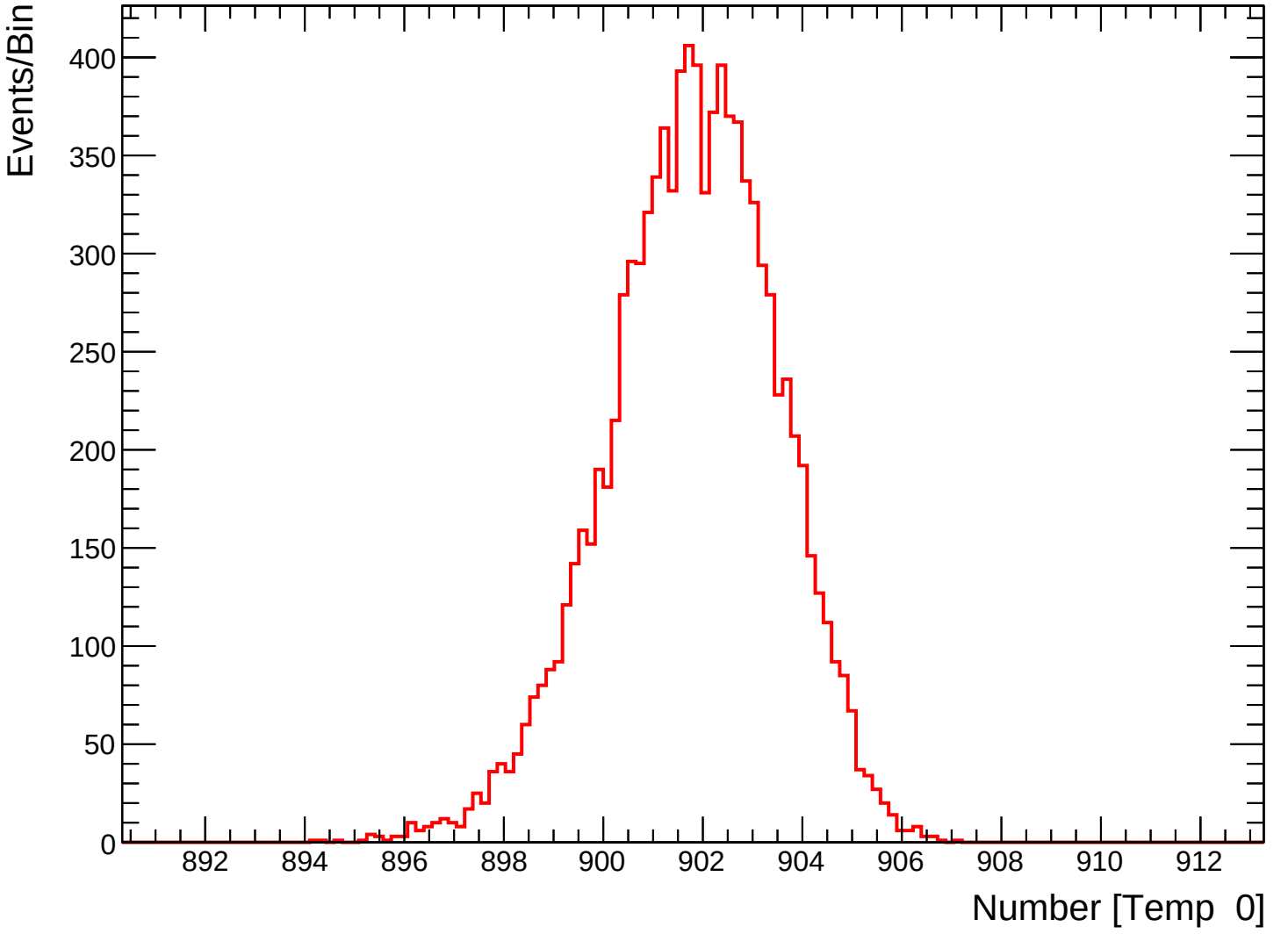

Time 16 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (363.5 ± 23.0)
e⁻+π⁻ (16.4 ± 13.5)
χ² 1.07
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

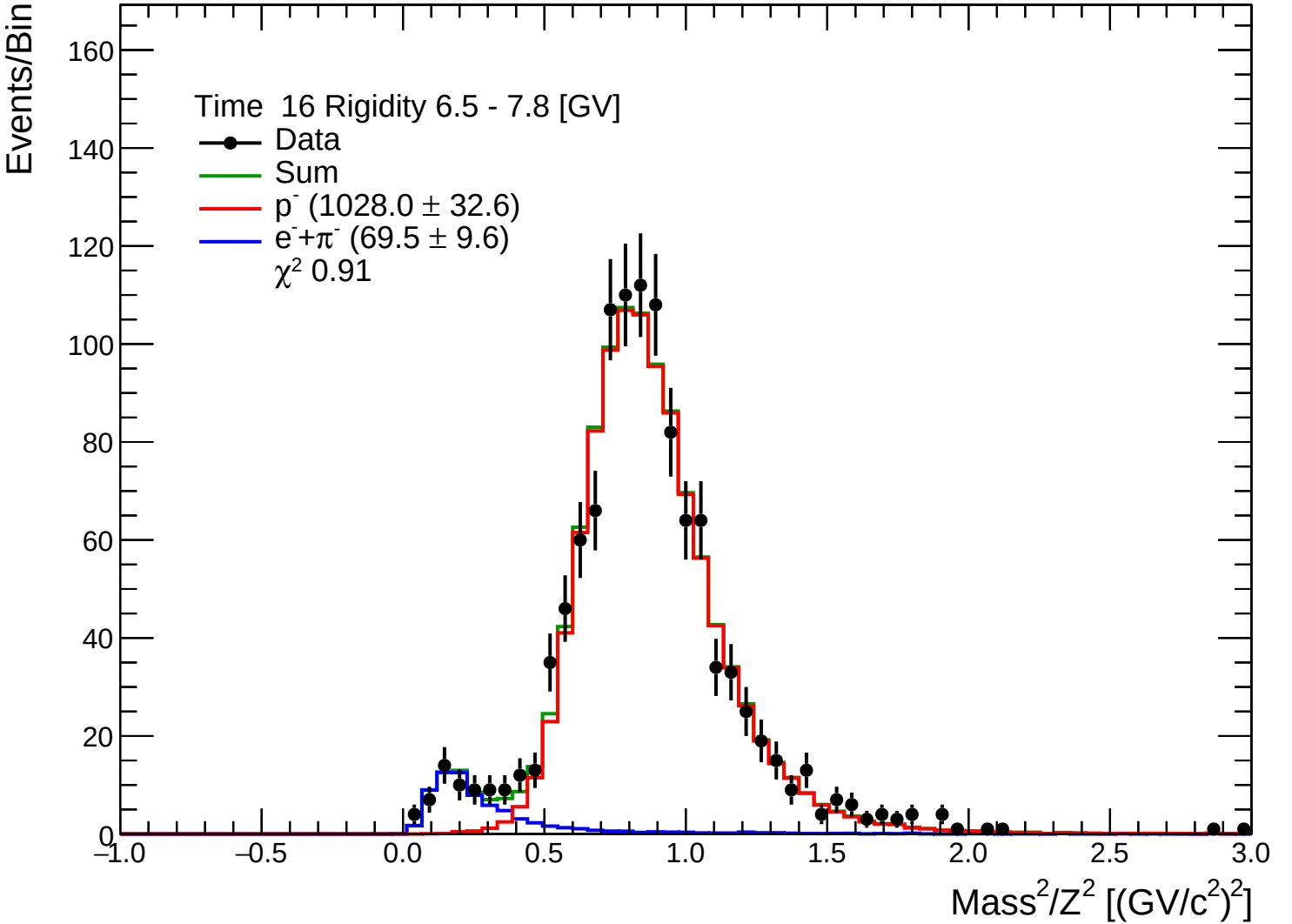

Events/Bin
450
400
350
300
250
200
150
100
50
0
345
350
355
360
365
370
375
380
Number [Temp 0]

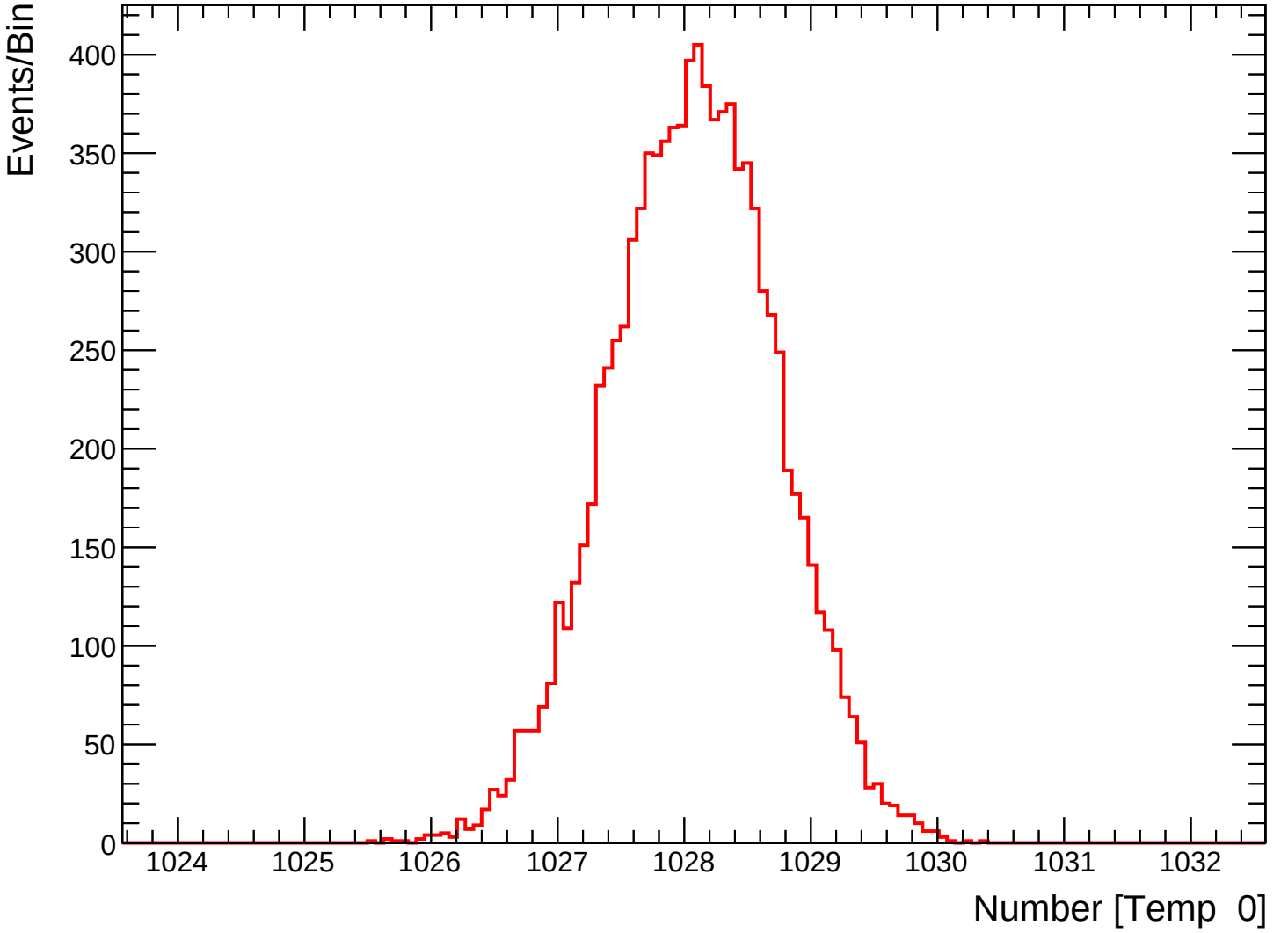

Time 16 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (744.7 ± 29.0)
e⁻+π⁻ (0.0 ± 9.2)
χ² 0.74
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

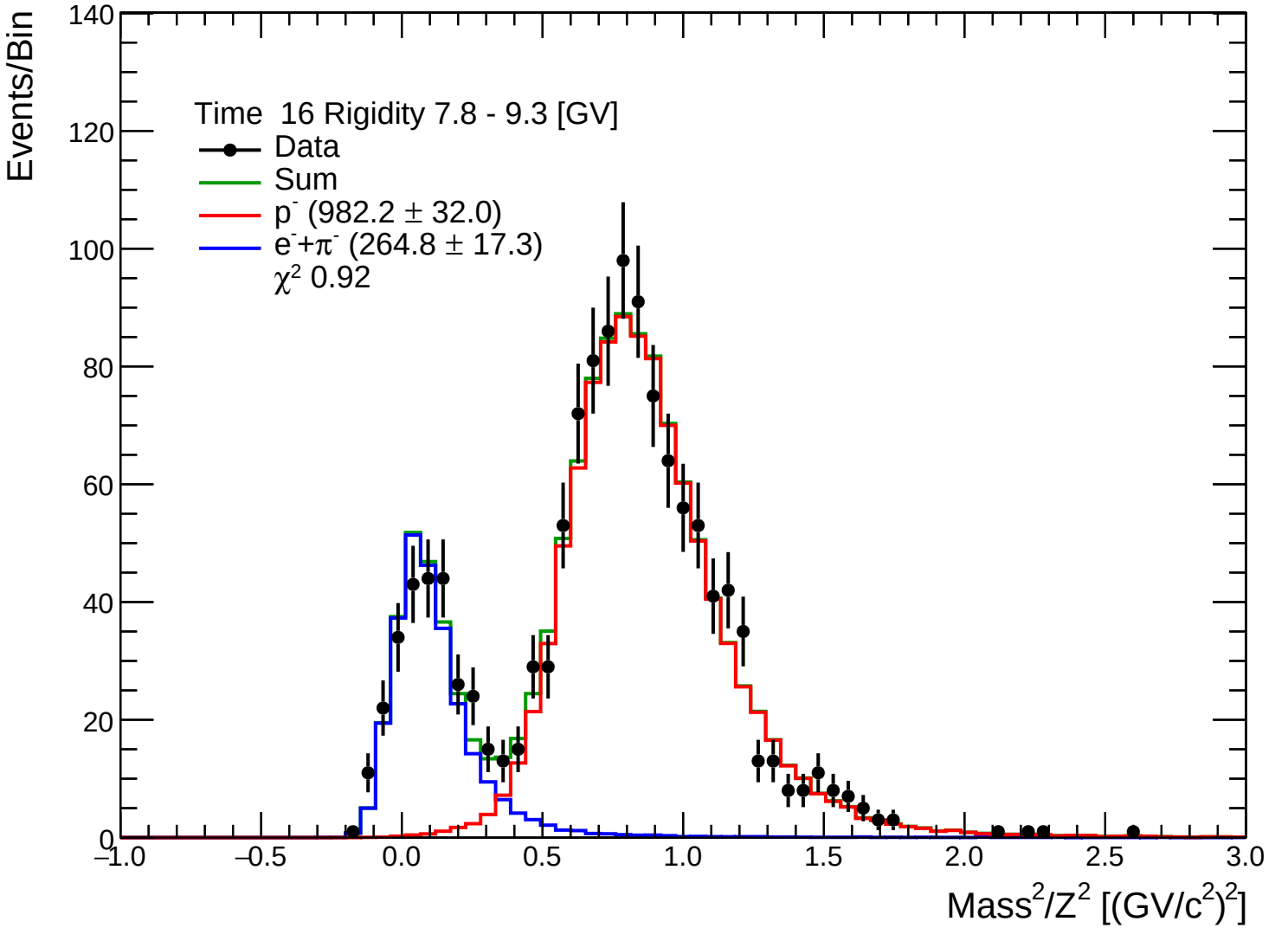

Events/Bin
400
350
300
250
200
150
100
50
0
742.5
743.0
743.5
744.0
744.5
745.0
745.5
746.0
746.5
747.0
Number [Temp 0]

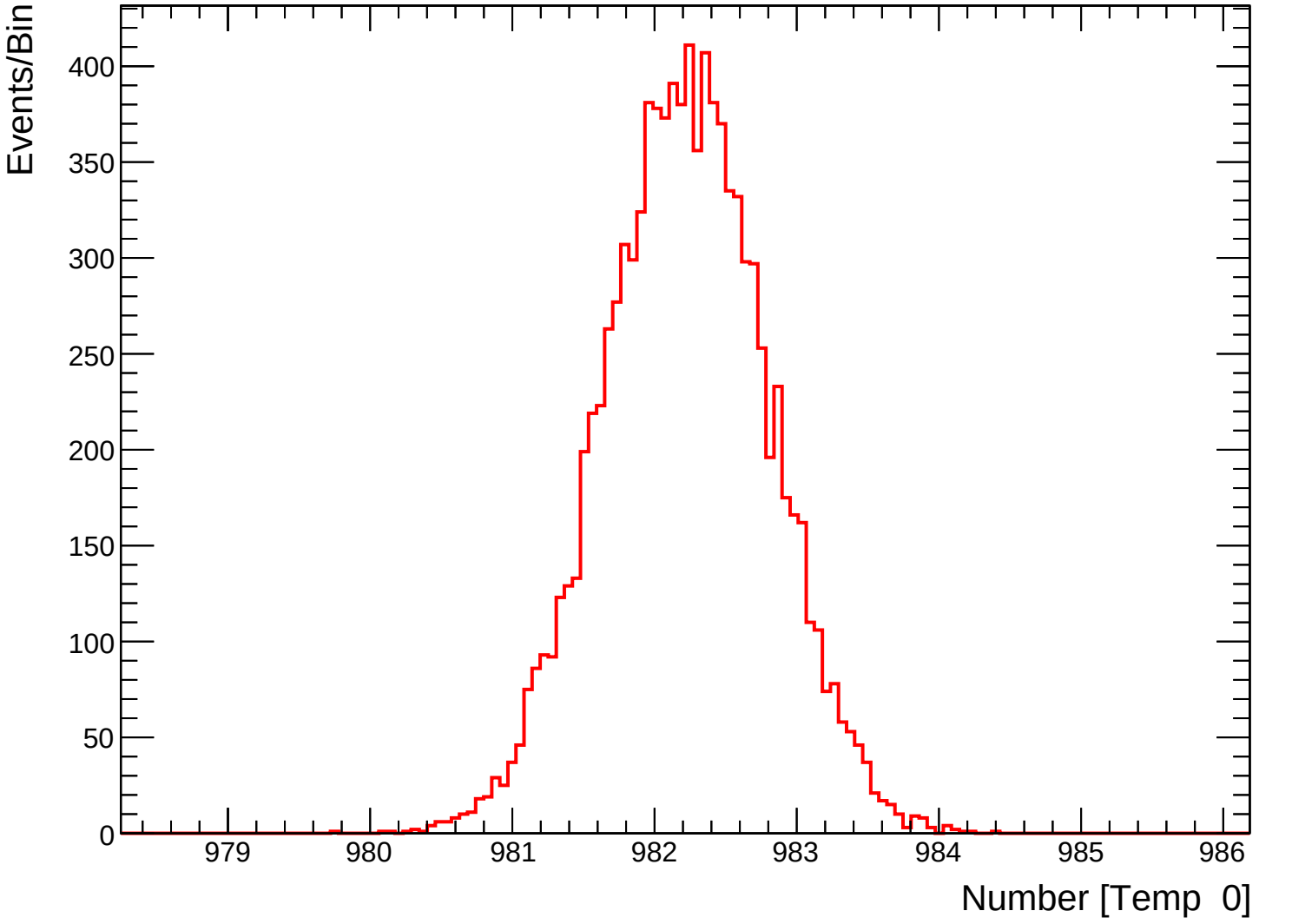

Time 16 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (901.3 ± 31.3)
e⁻+π⁻ (26.0 ± 9.8)
χ² 0.86
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

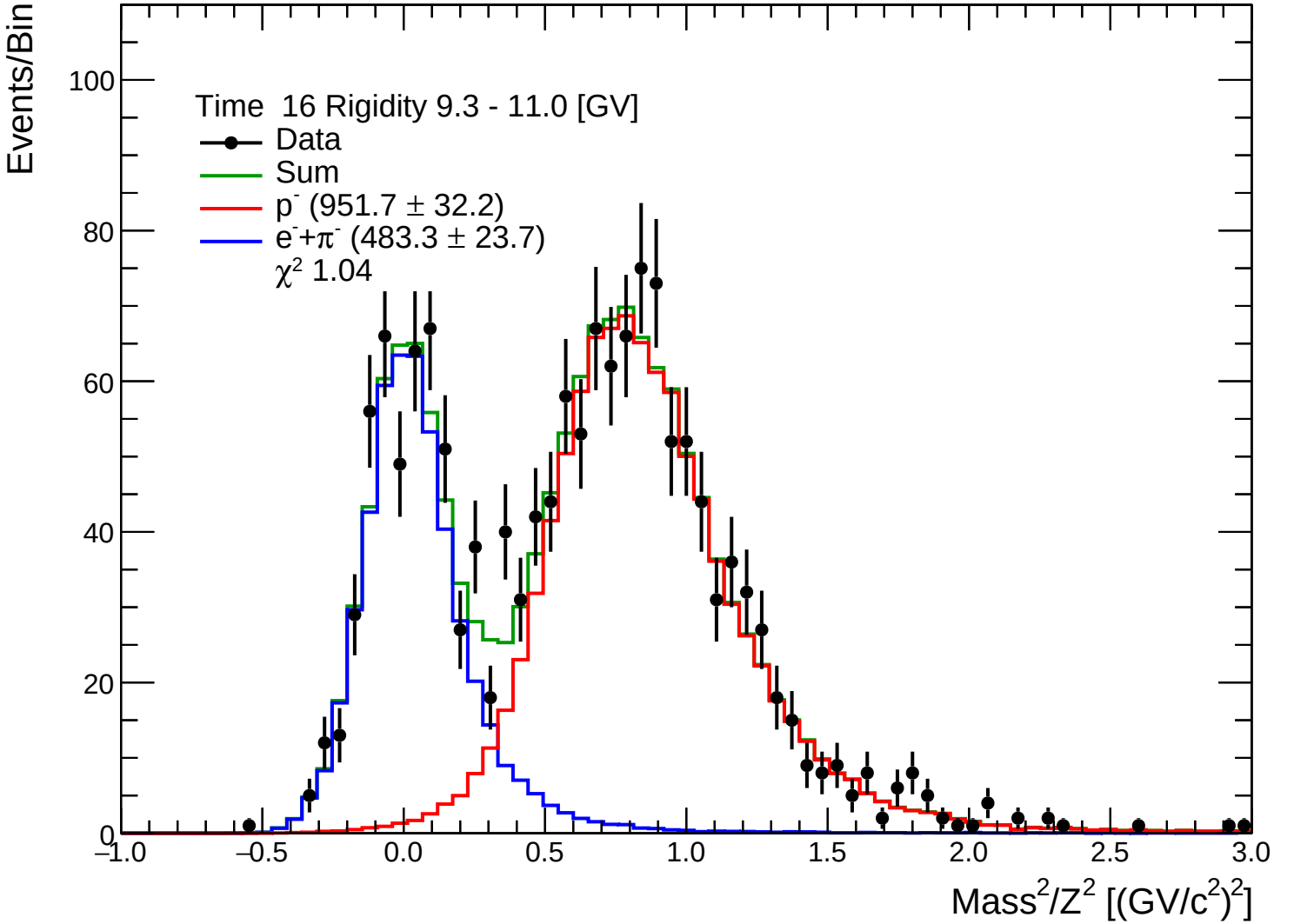

Events/Bin
400
350
300
250
200
150
100
50
0
892
894
896
898
900
902
904
906
908
910
912
Number [Temp 0]

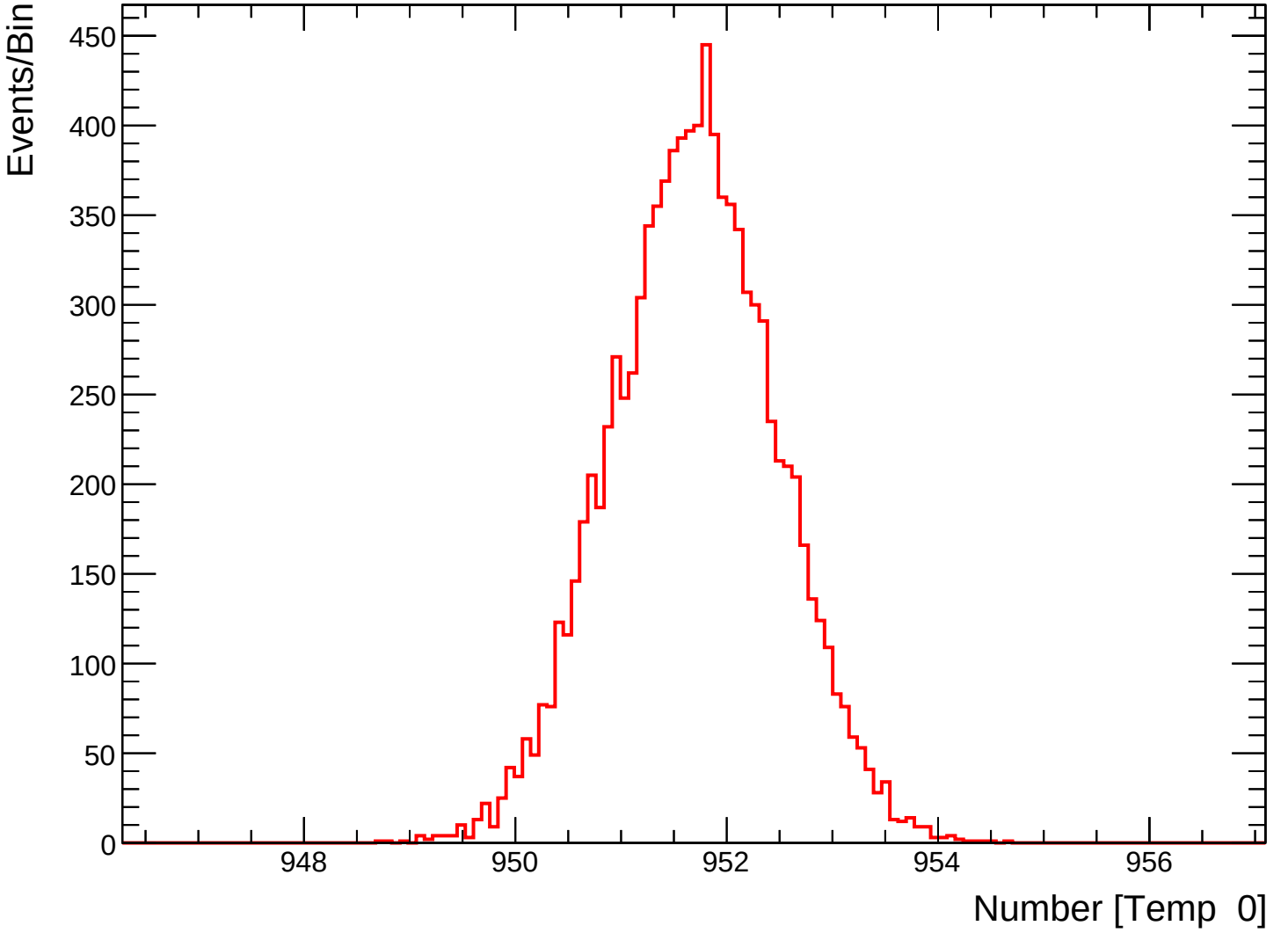

Time 16 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1028.0 ± 32.6)
e⁻+π⁻ (69.5 ± 9.6)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

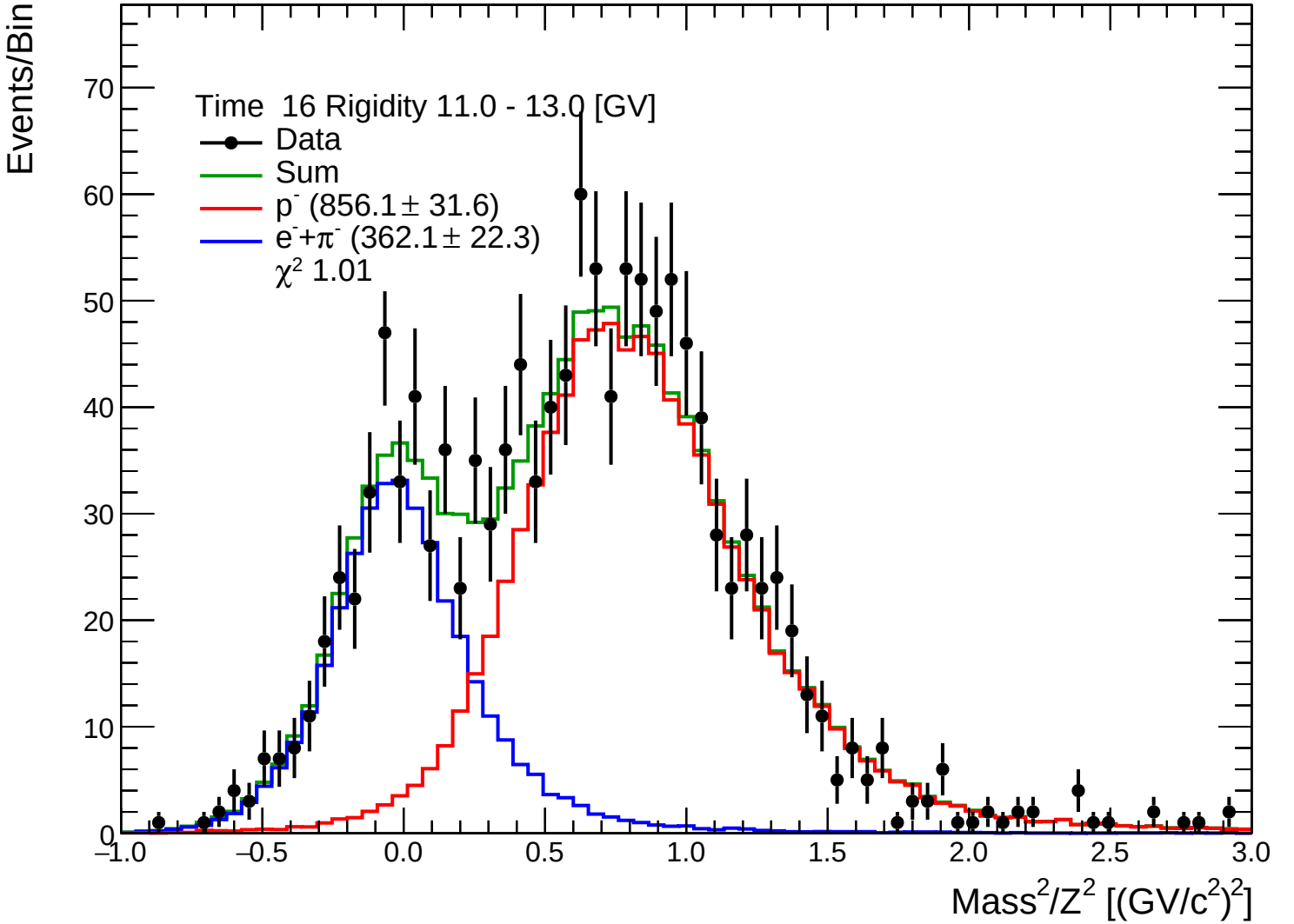

Events/Bin
400
350
300
250
200
150
100
50
0
1024
1025
1026
1027
1028
1029
1030
1031
1032
Number [Temp 0]

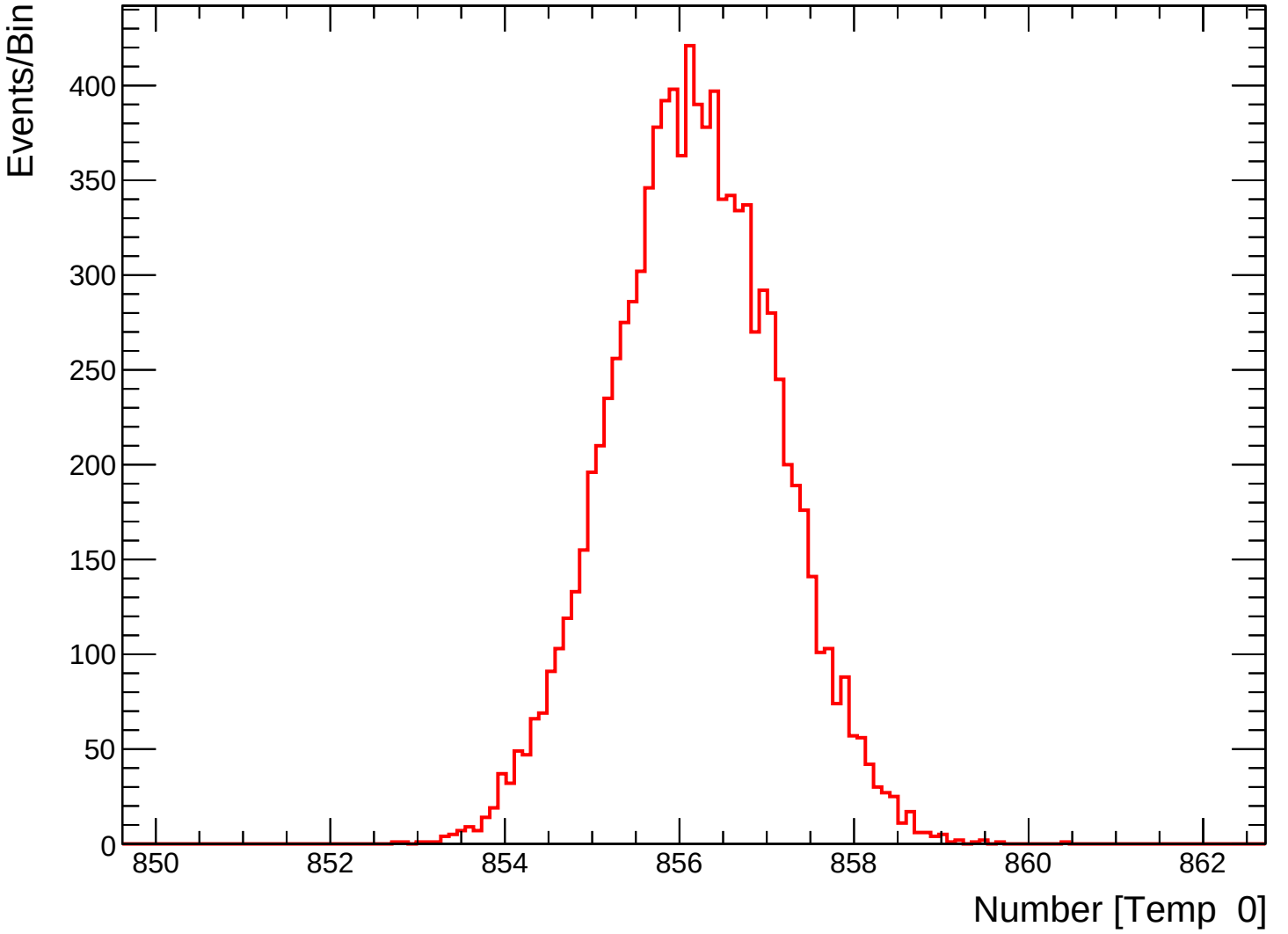

Time 16 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (982.2 ± 32.0)
e⁻+π⁻ (264.8 ± 17.3)
χ² 0.92
Events/Bin
Mass²/Z² [(GV/c²)²]
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

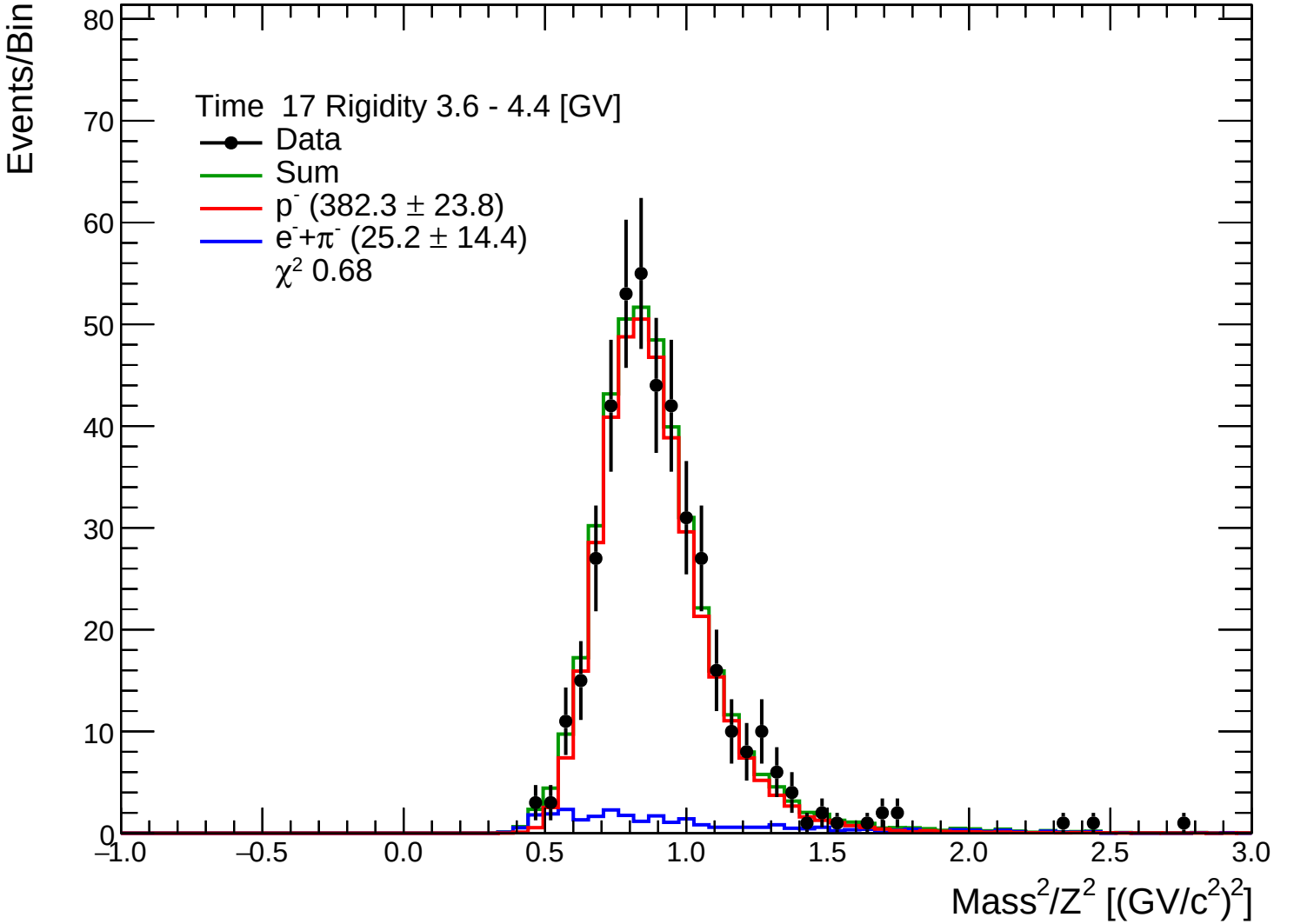

Events/Bin
400
350
300
250
200
150
100
50
0
979
980
981
982
983
984
985
986
Number [Temp 0]

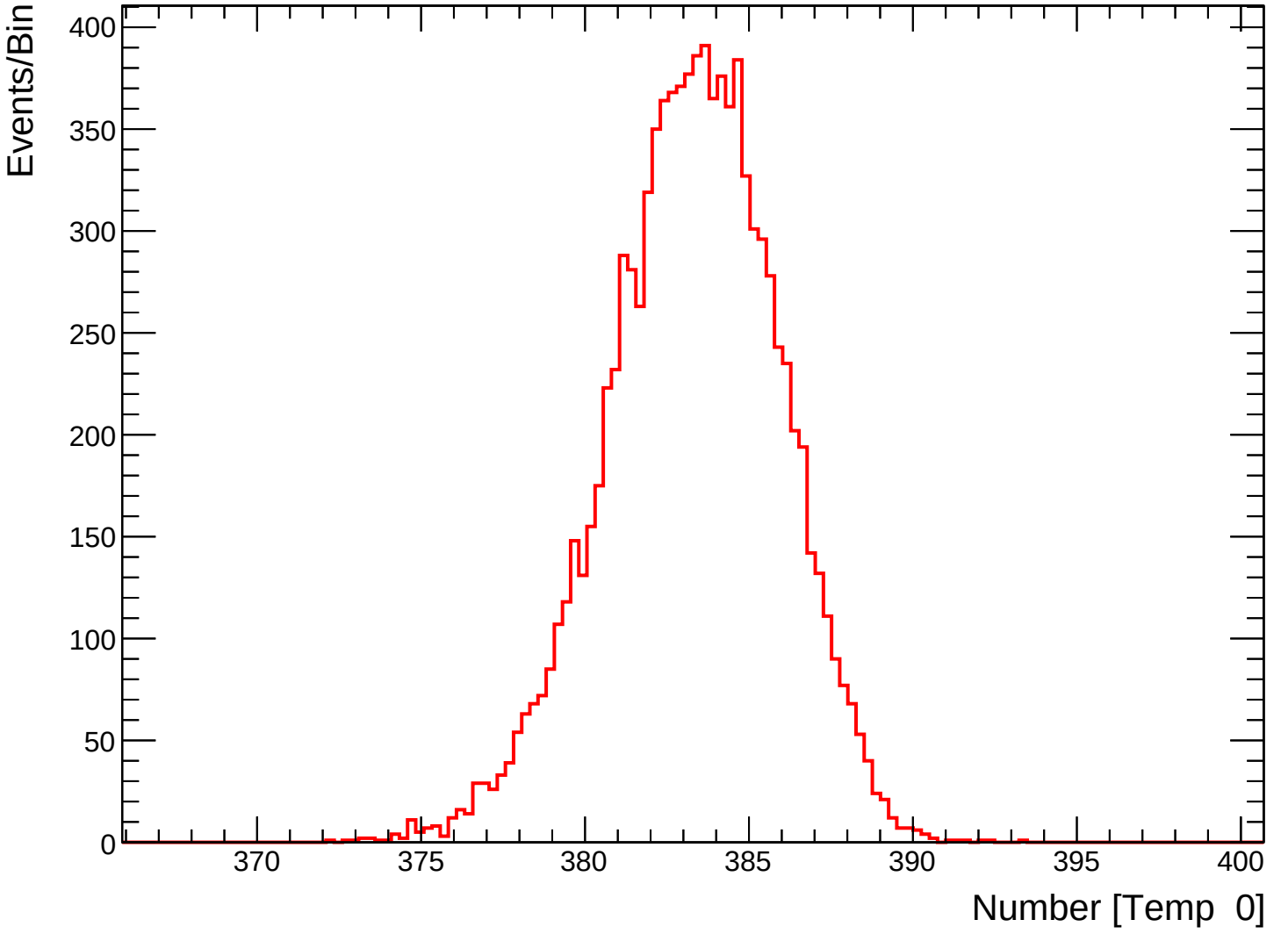

Events/Bin
Time 16 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (951.7 ± 32.2)
e⁻+π⁻ (483.3 ± 23.7)
χ² 1.04
Mass²/Z² [(GV/c²)²]

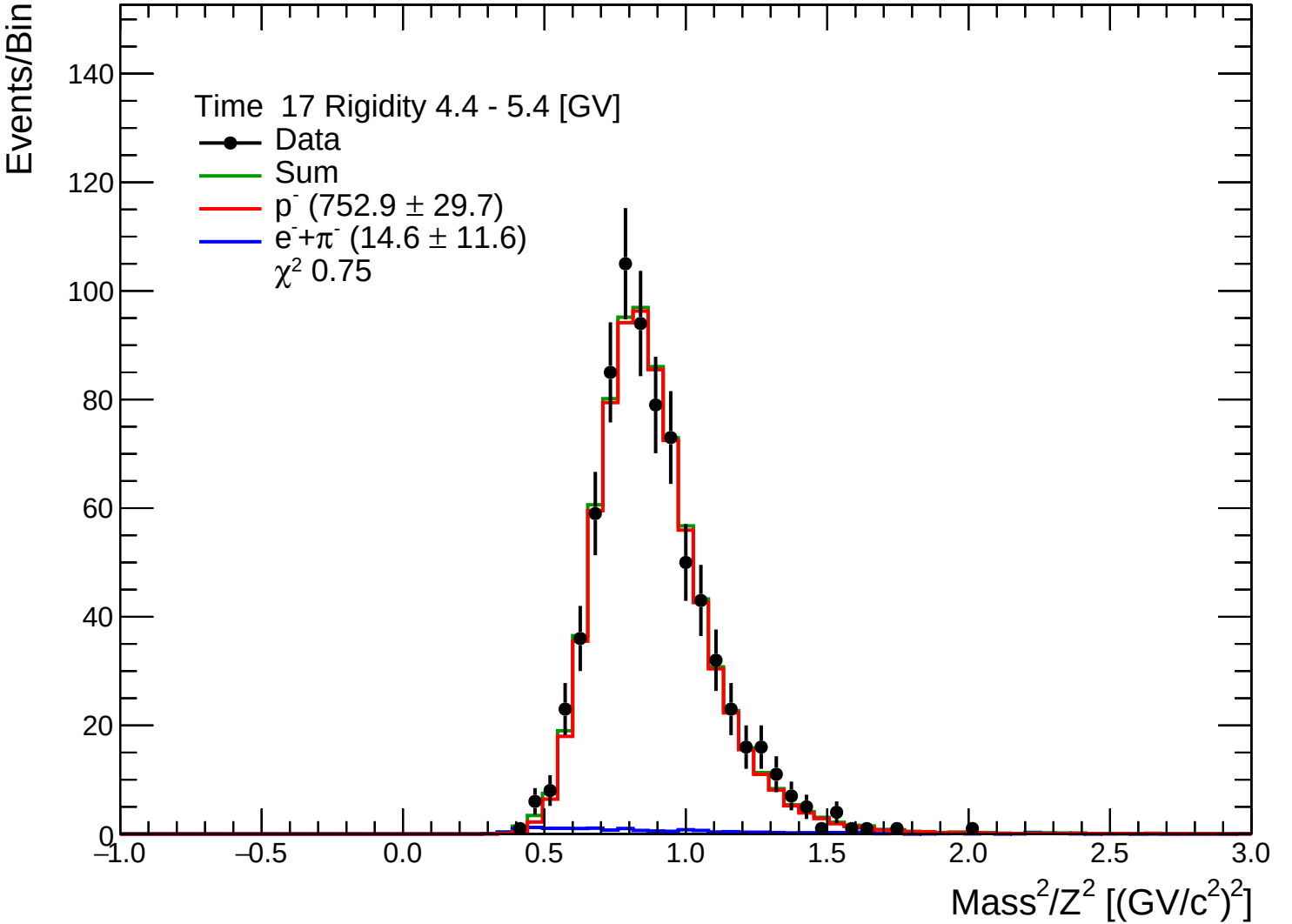

Events/Bin
450
400
350
300
250
200
150
100
50
0
948
950
952
954
956
Number [Temp 0]

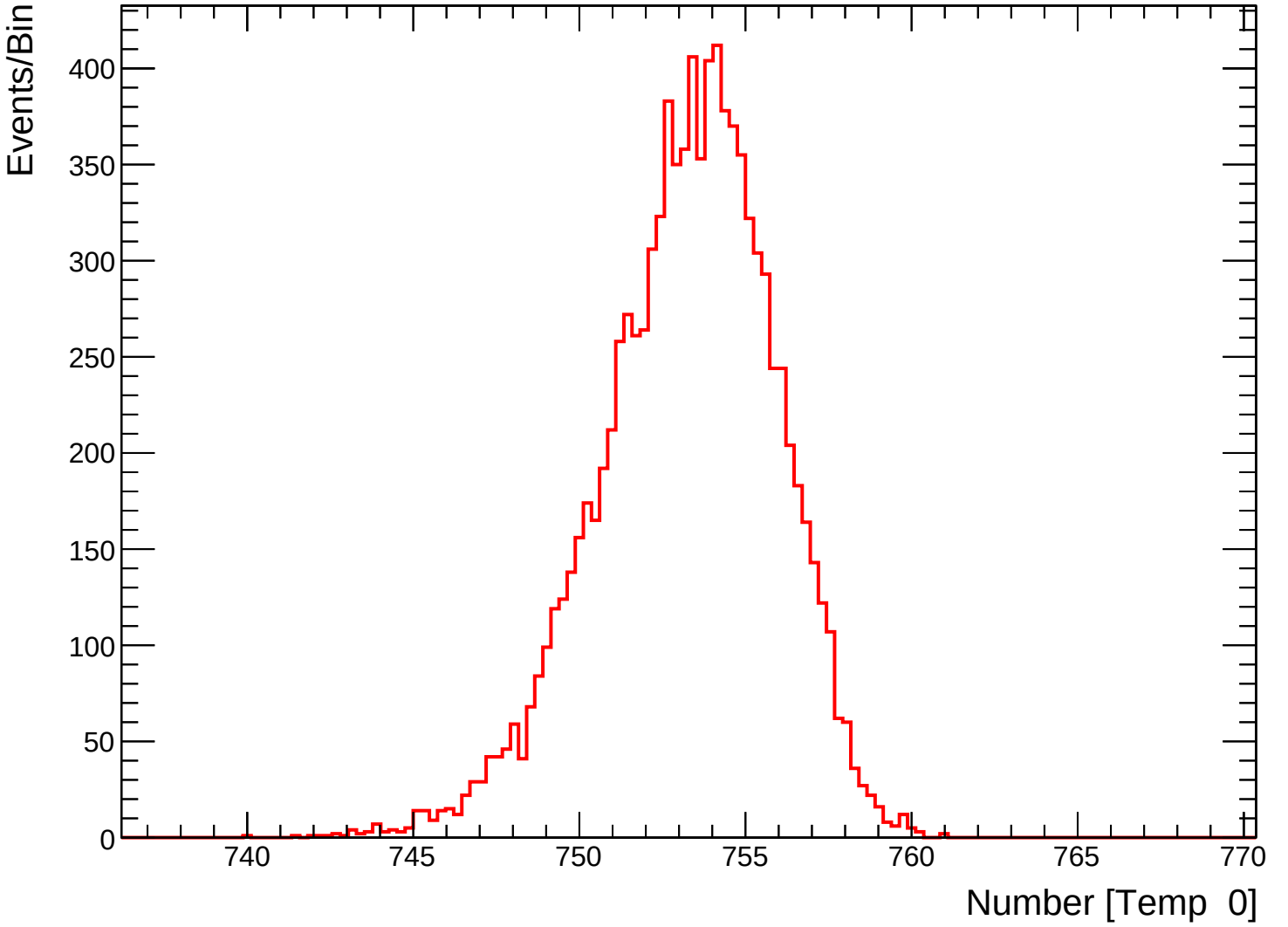

Time 16 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (856.1 ± 31.6)
e⁻+π⁻ (362.1 ± 22.3)
χ² 1.01
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

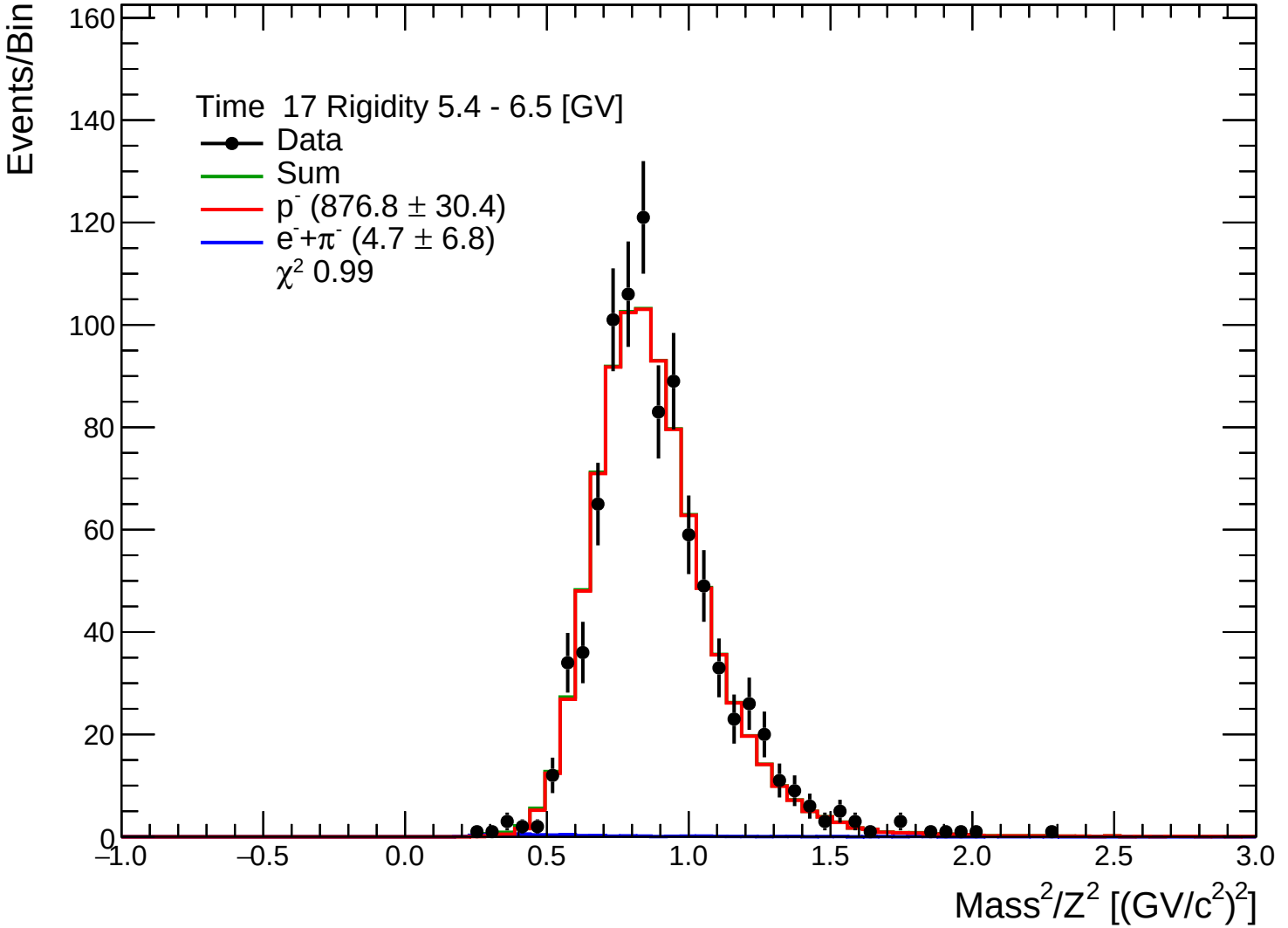

Events/Bin
400
350
300
250
200
150
100
50
0
850
852
854
856
858
860
862
Number [Temp 0]

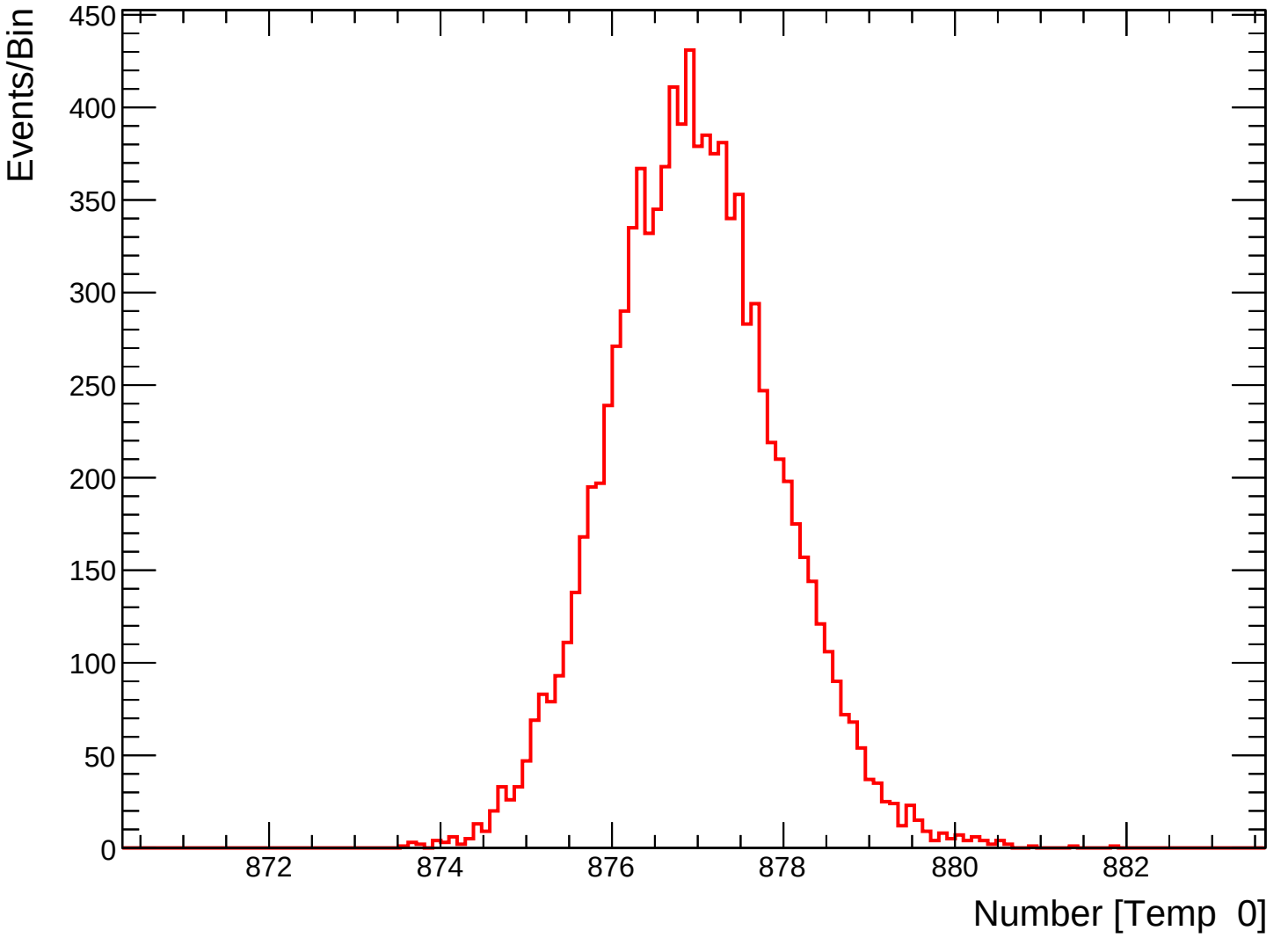

Time 17 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (382.3 ± 23.8)
e⁻+π⁻ (25.2 ± 14.4)
χ² 0.68
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

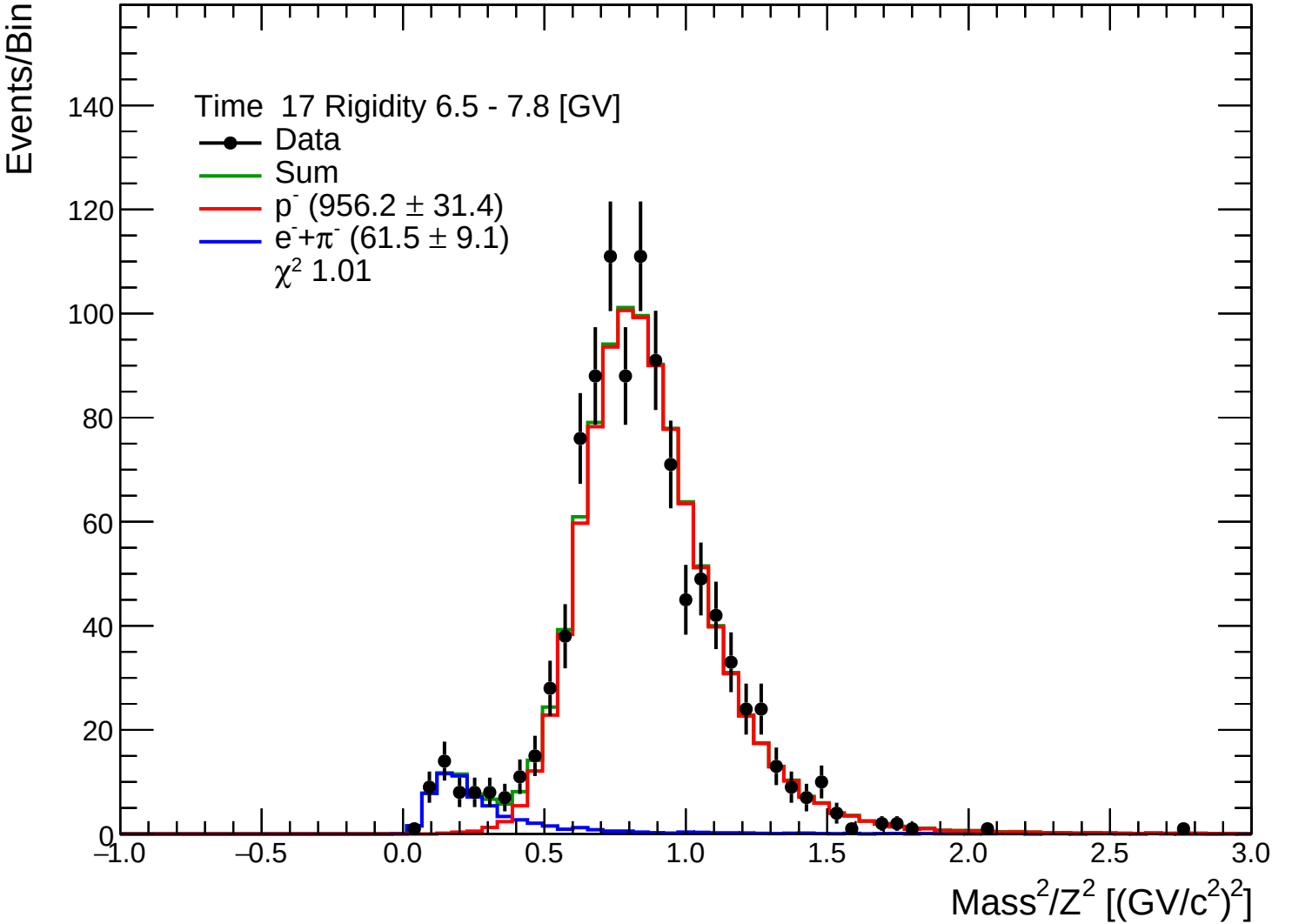

Events/Bin
400
350
300
250
200
150
100
50
0
370
375
380
385
390
395
400
Number [Temp 0]

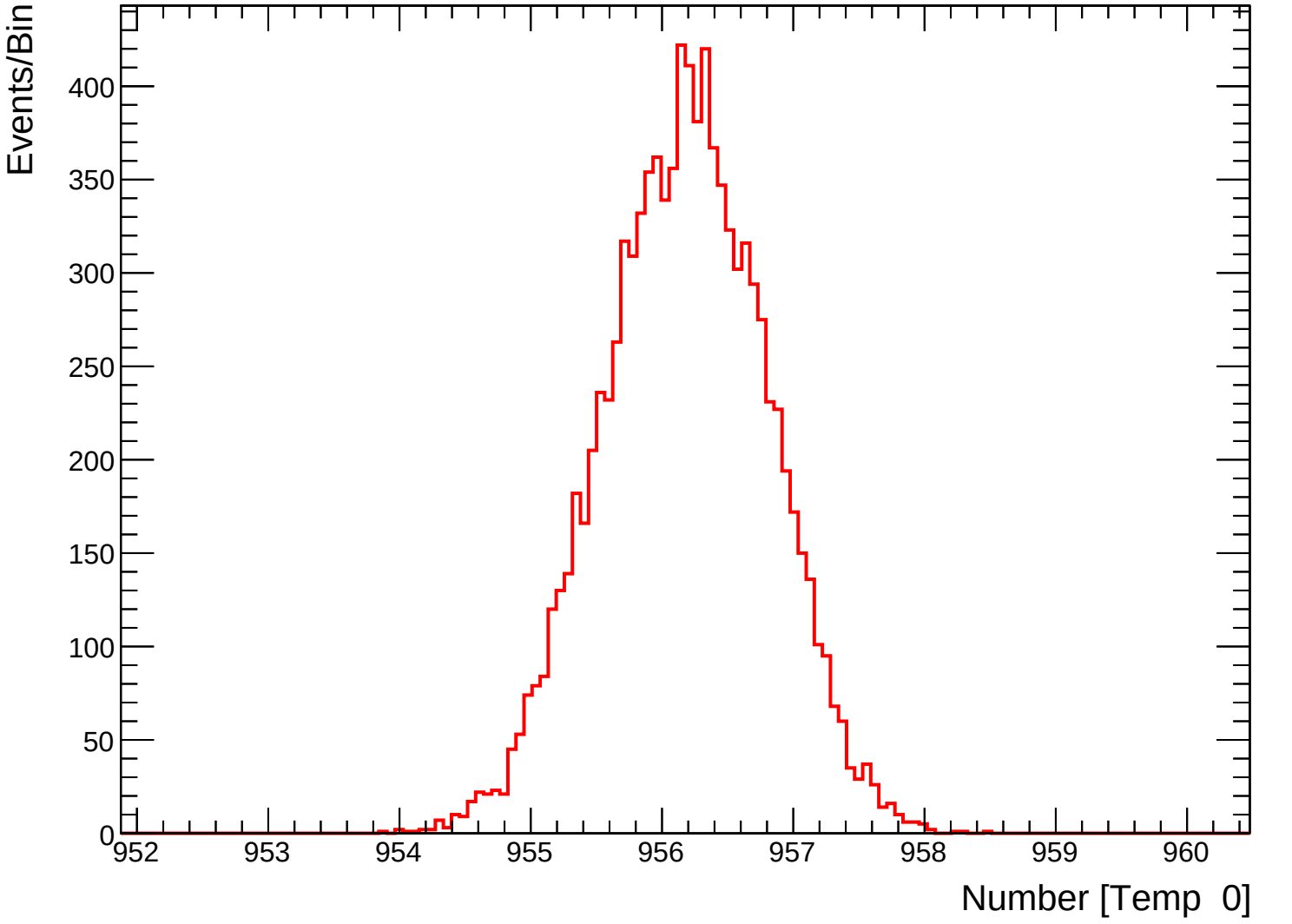

Time 17 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (752.9 ± 29.7)
e⁻+π⁻ (14.6 ± 11.6)
χ² 0.75
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

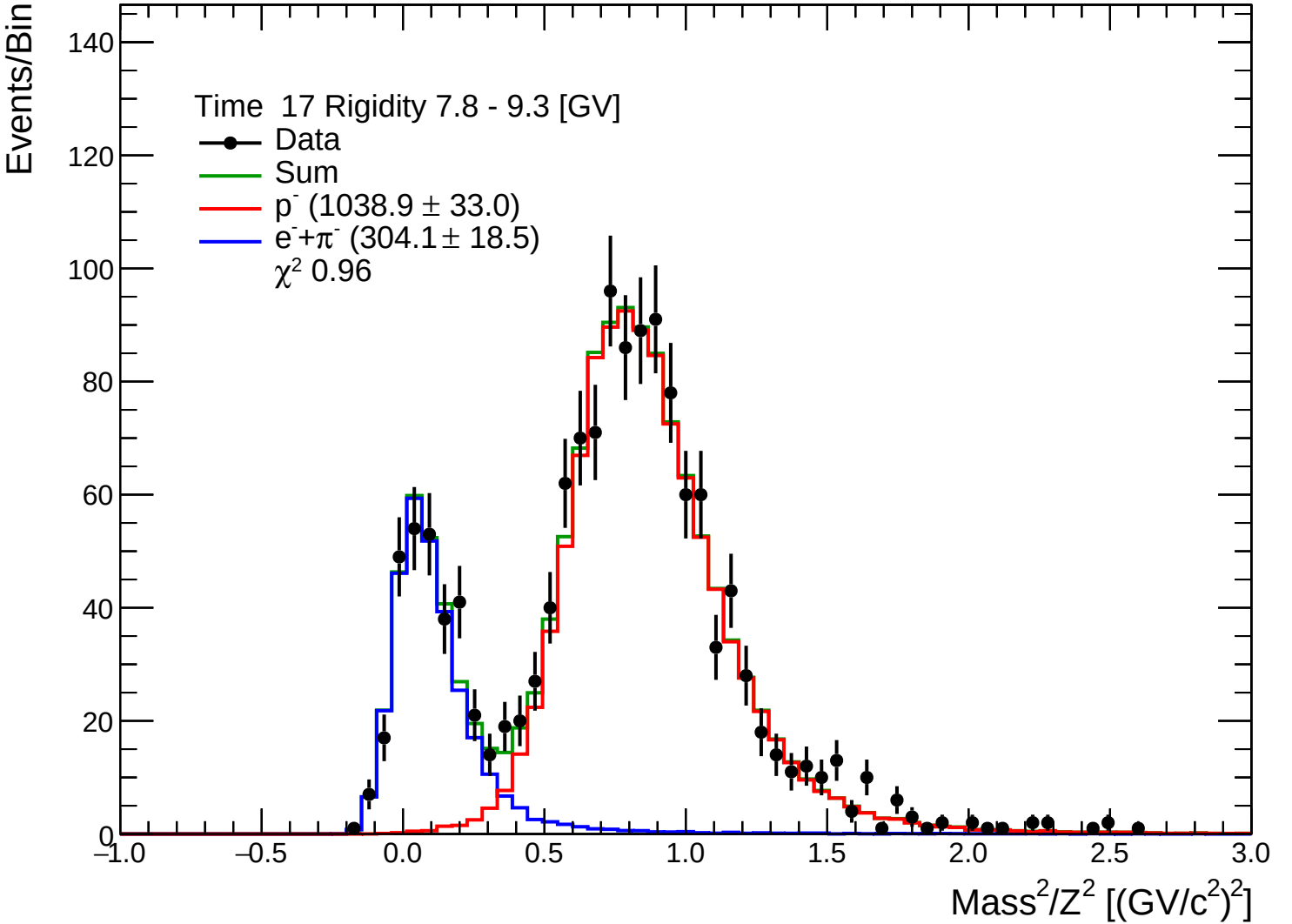

Events/Bin
400
350
300
250
200
150
100
50
0
740
745
750
755
760
765
770
Number [Temp 0]

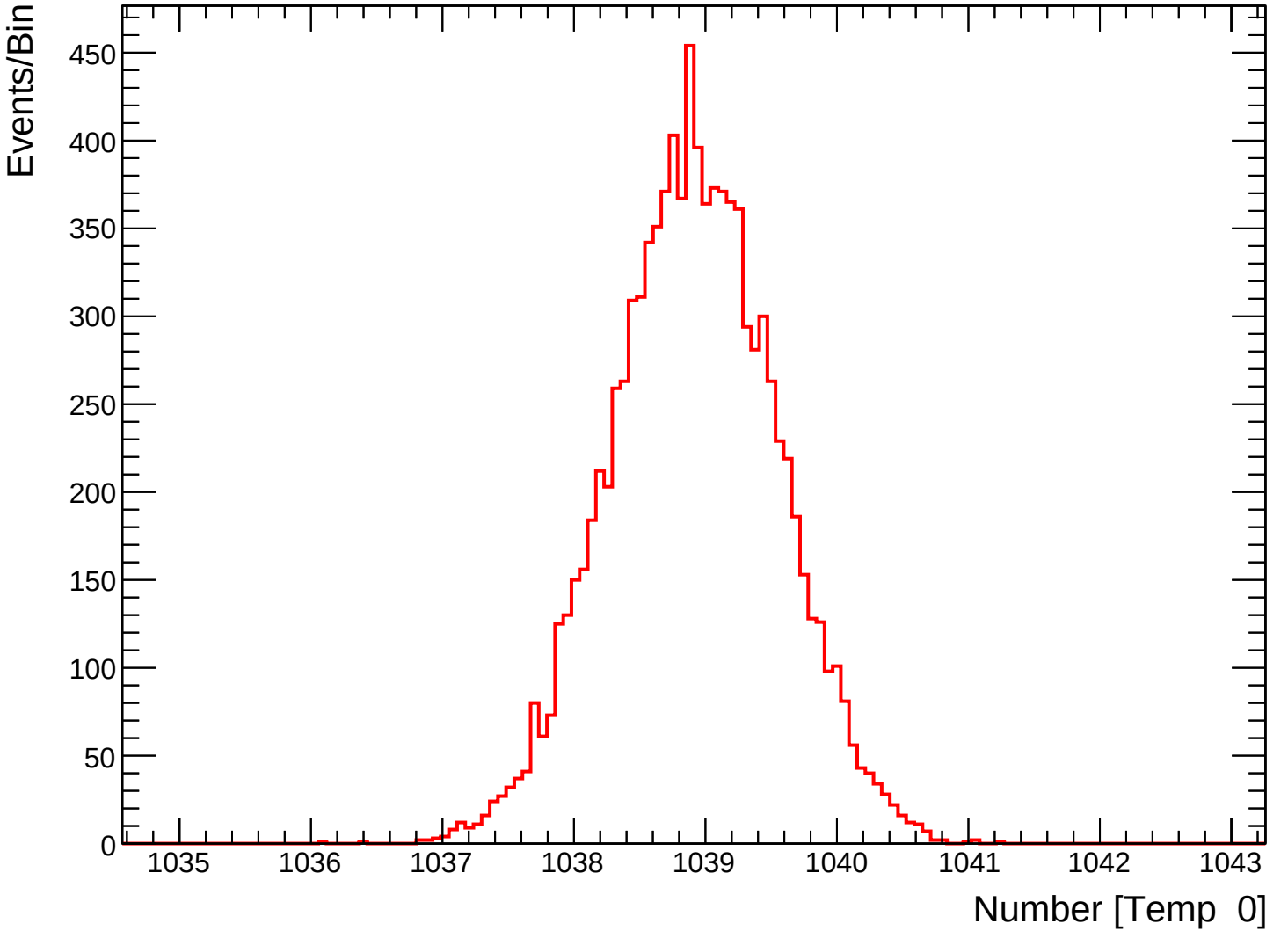

Time 17 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (876.8 ± 30.4)
e⁻+π⁻ (4.7 ± 6.8)
χ² 0.99
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

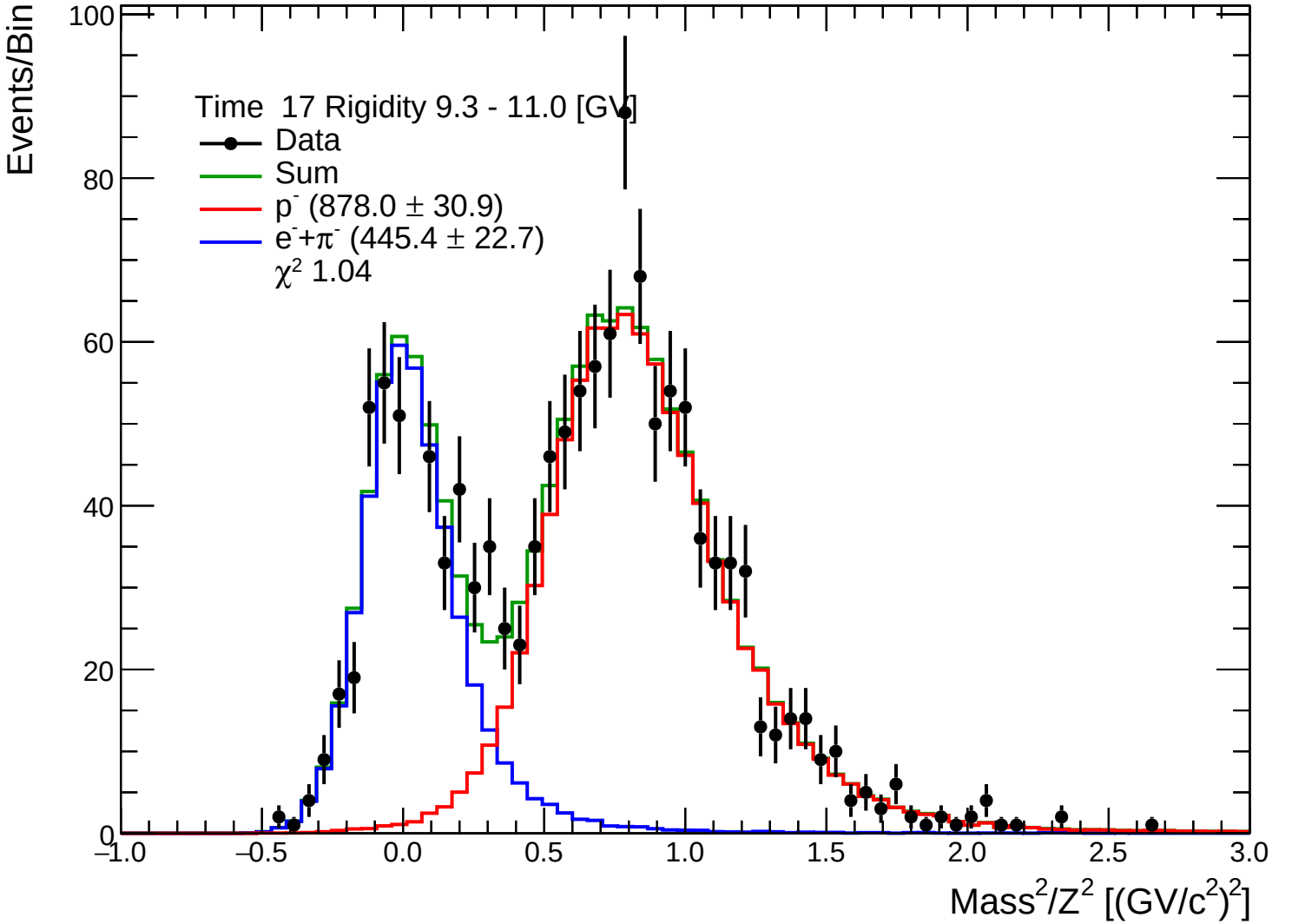

Events/Bin
450
400
350
300
250
200
150
100
50
0
872
874
876
878
880
882
Number [Temp 0]

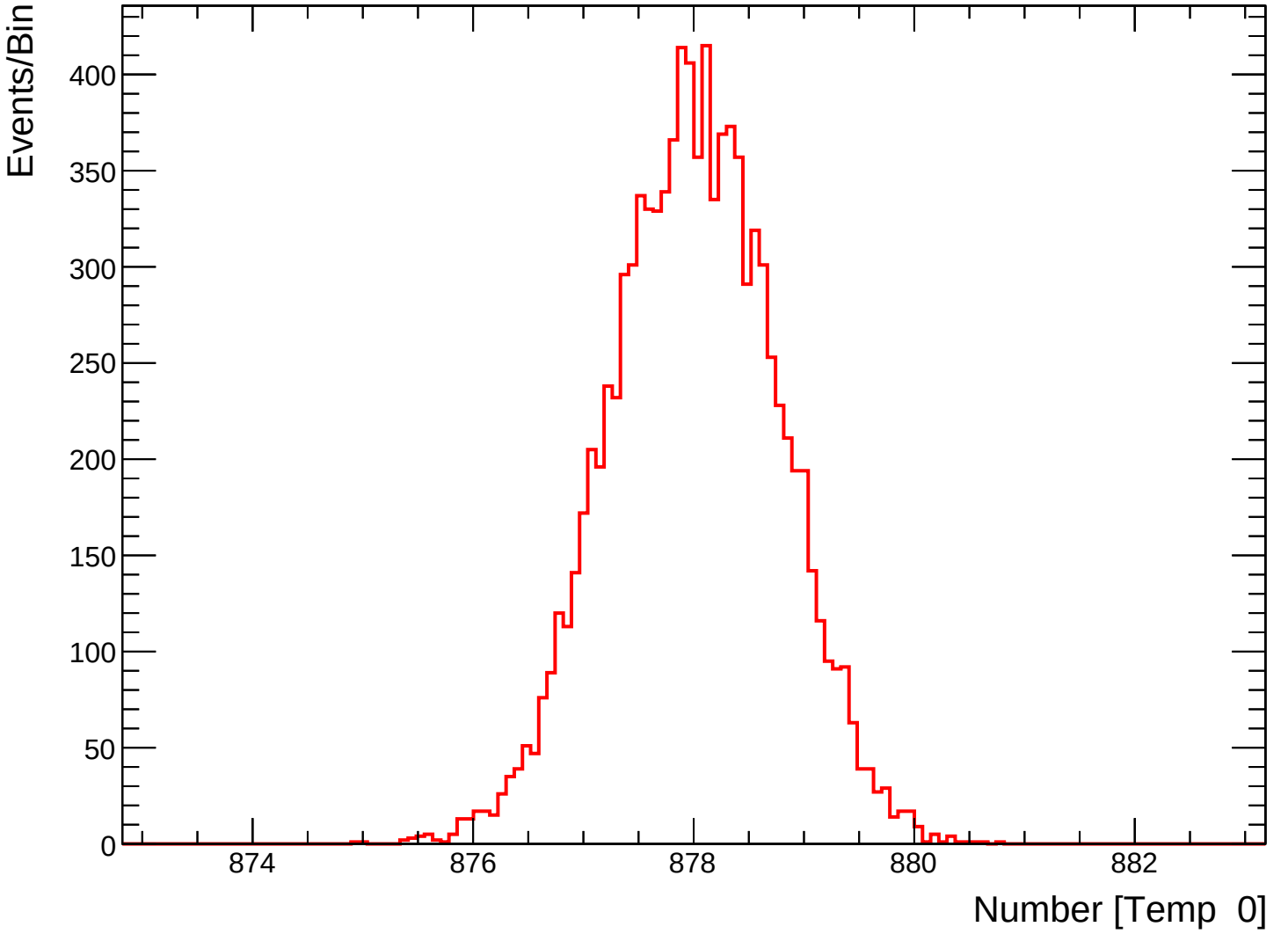

Time 17 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (956.2 ± 31.4)
e⁻+π⁻ (61.5 ± 9.1)
χ² 1.01
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

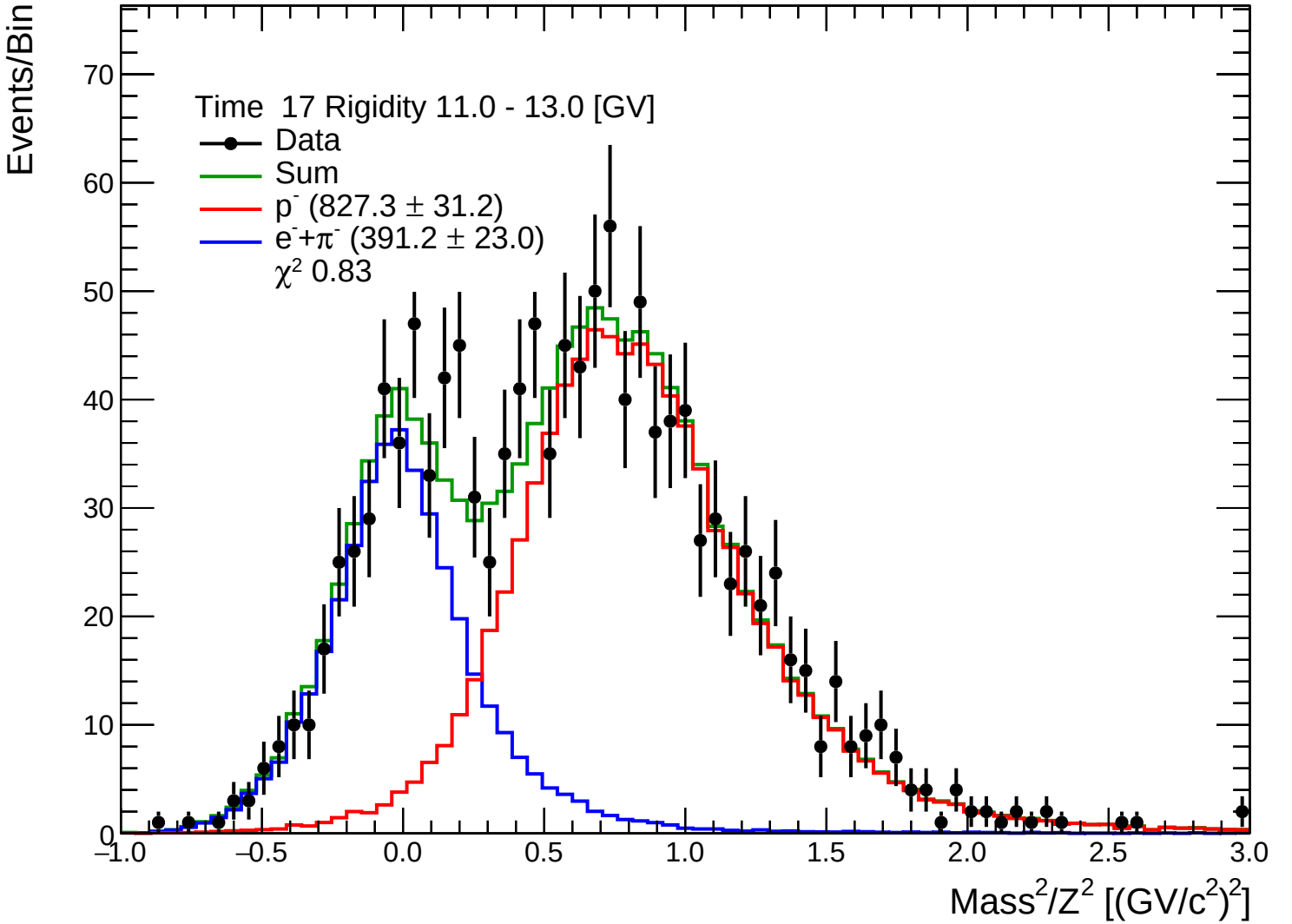

Events/Bin
0
50
100
150
200
250
300
350
400
952
953
954
955
956
957
958
959
960
Number [Temp 0]

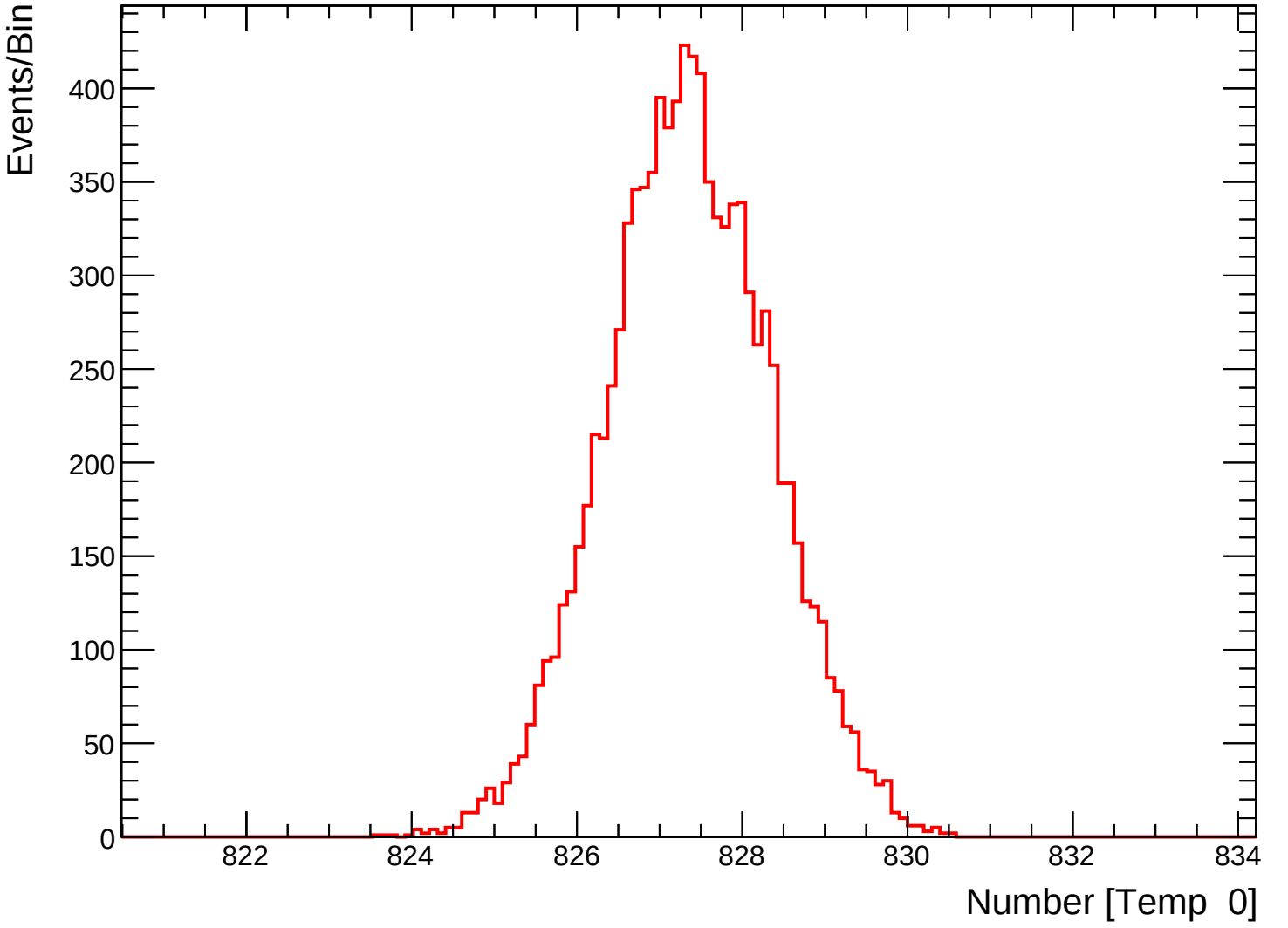

Time 17 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1038.9 ± 33.0)
e⁻+π⁻ (304.1 ± 18.5)
χ² 0.96
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

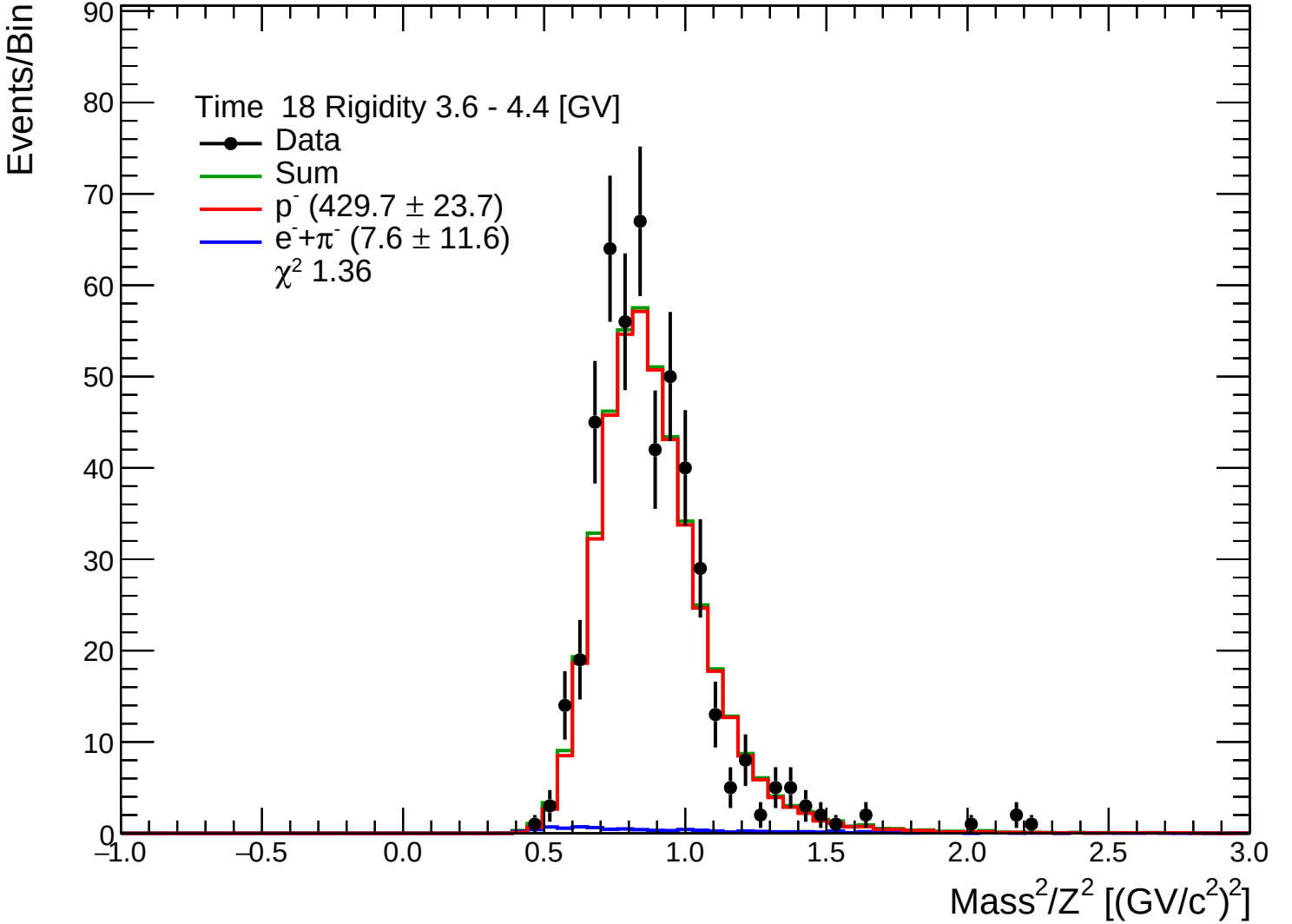

Events/Bin
450
400
350
300
250
200
150
100
50
0
1035
1036
1037
1038
1039
1040
1041
1042
1043
Number [Temp 0]

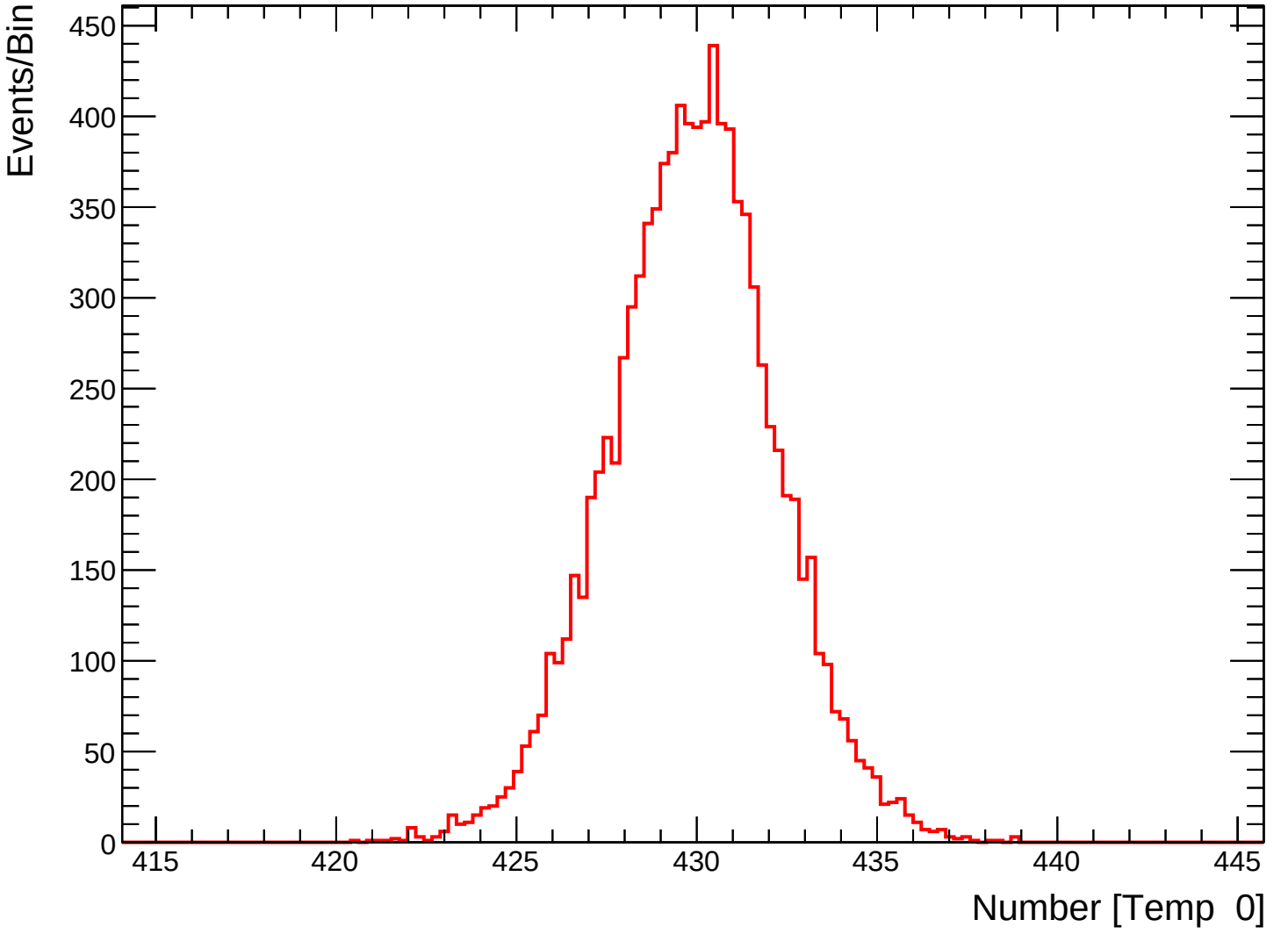

Time 17 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (878.0 ± 30.9)
e⁻+π⁻ (445.4 ± 22.7)
χ² 1.04
Events/Bin
Mass²/Z² [(GV/c²)²]
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

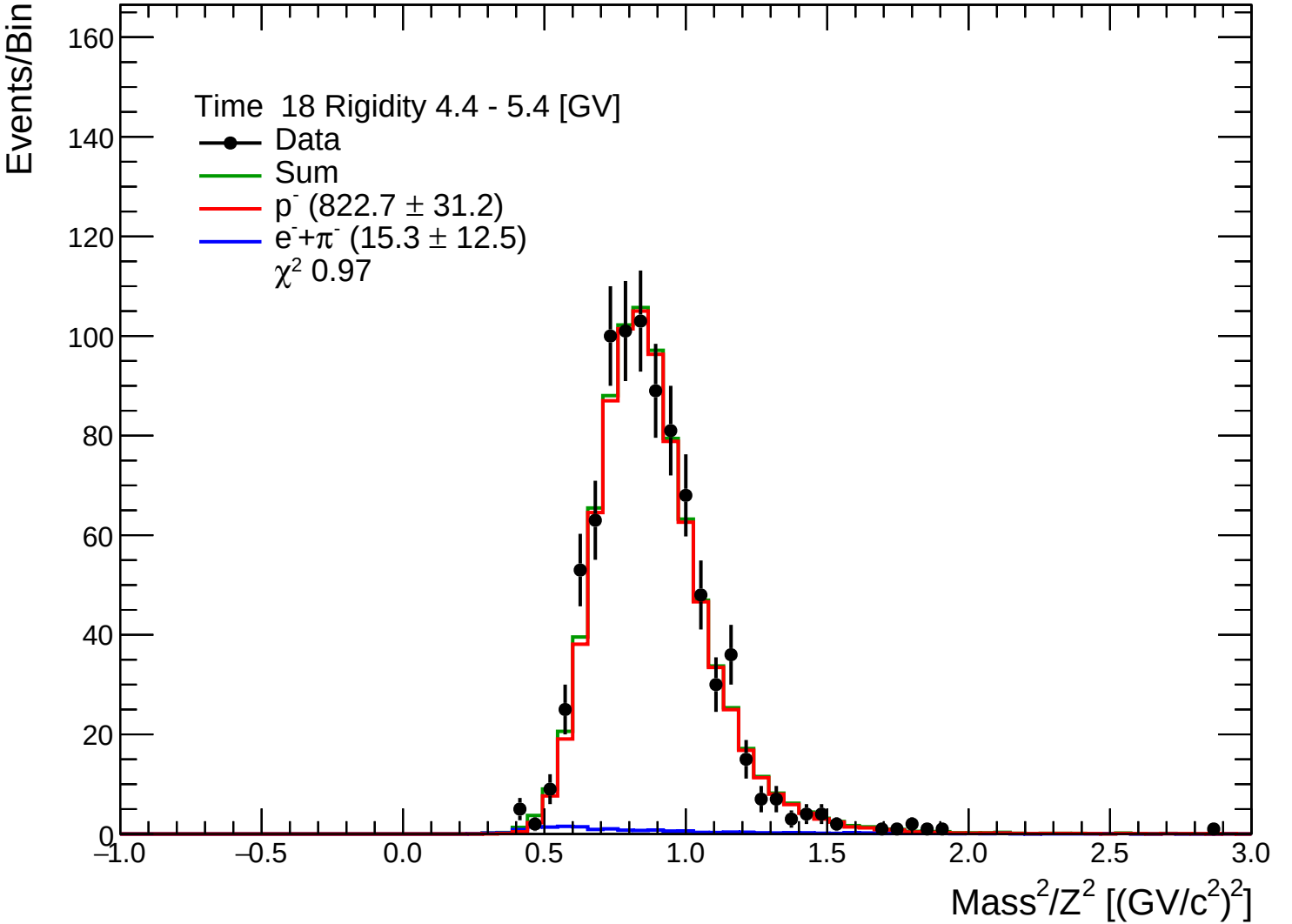

Events/Bin
400
350
300
250
200
150
100
50
0
874
876
878
880
882
Number [Temp 0]

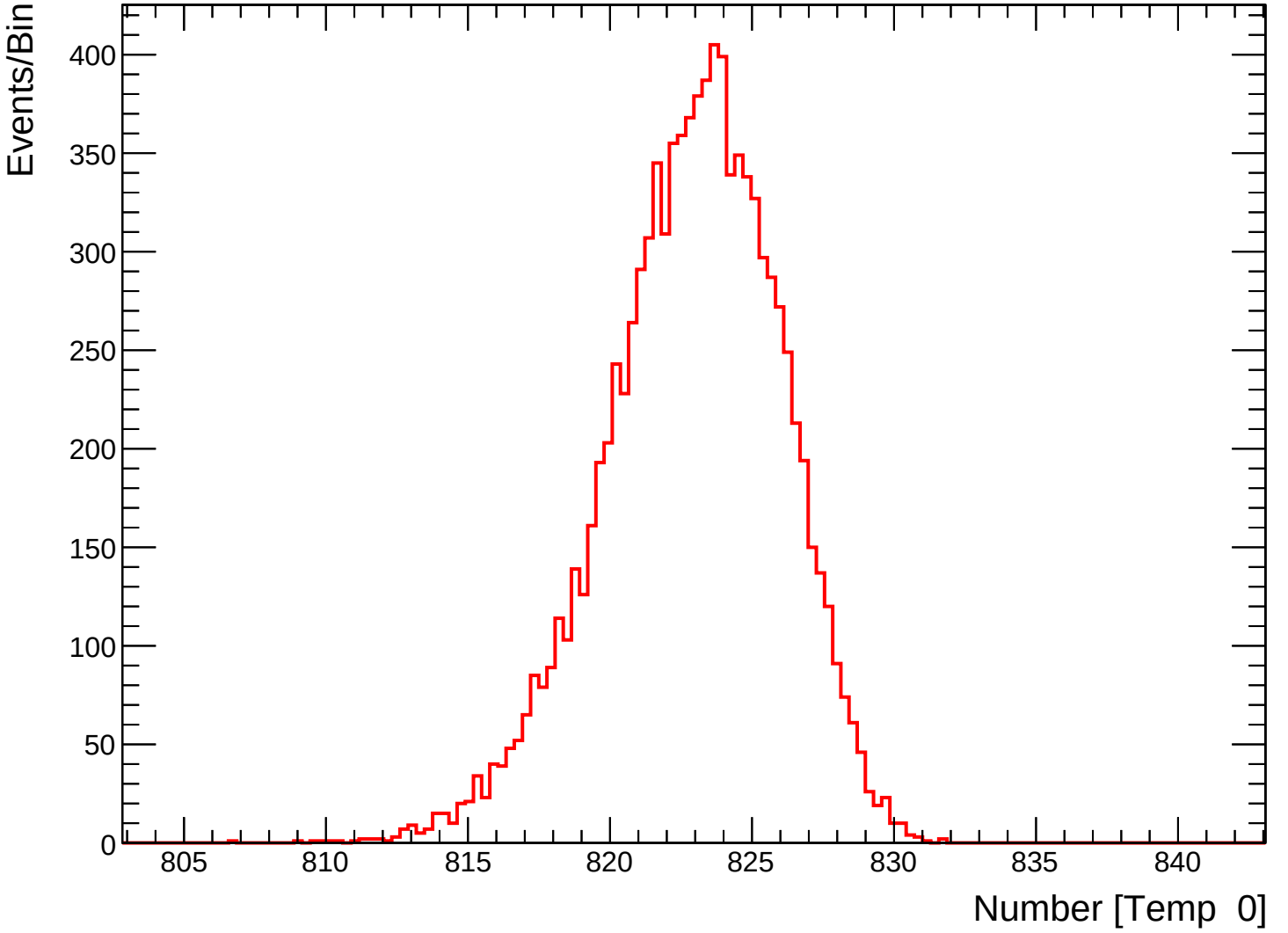

Time 17 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (827.3 ± 31.2)
e⁻+π⁻ (391.2 ± 23.0)
χ² 0.83
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

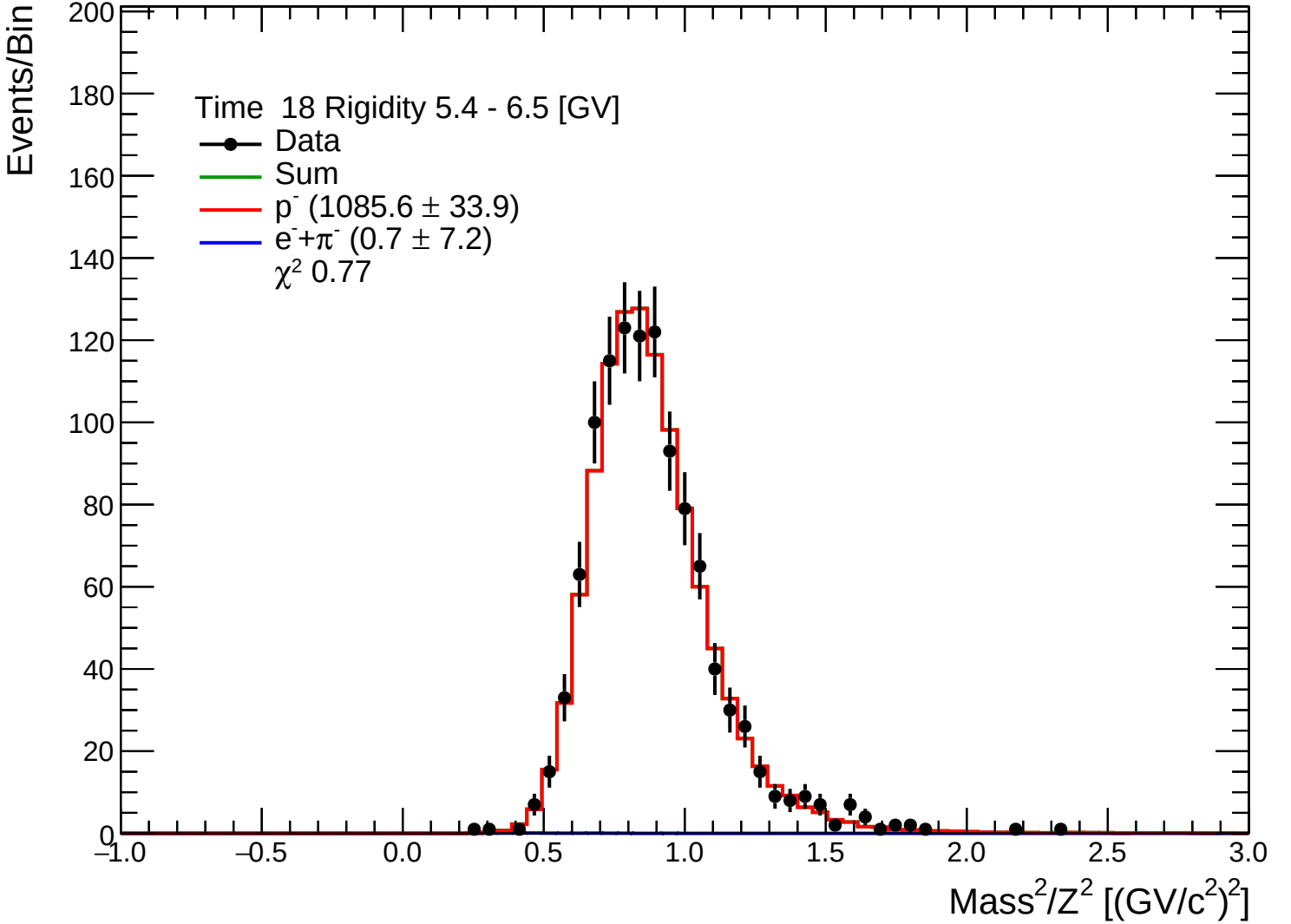

Events/Bin
400
350
300
250
200
150
100
50
0
822
824
826
828
830
832
834
Number [Temp 0]

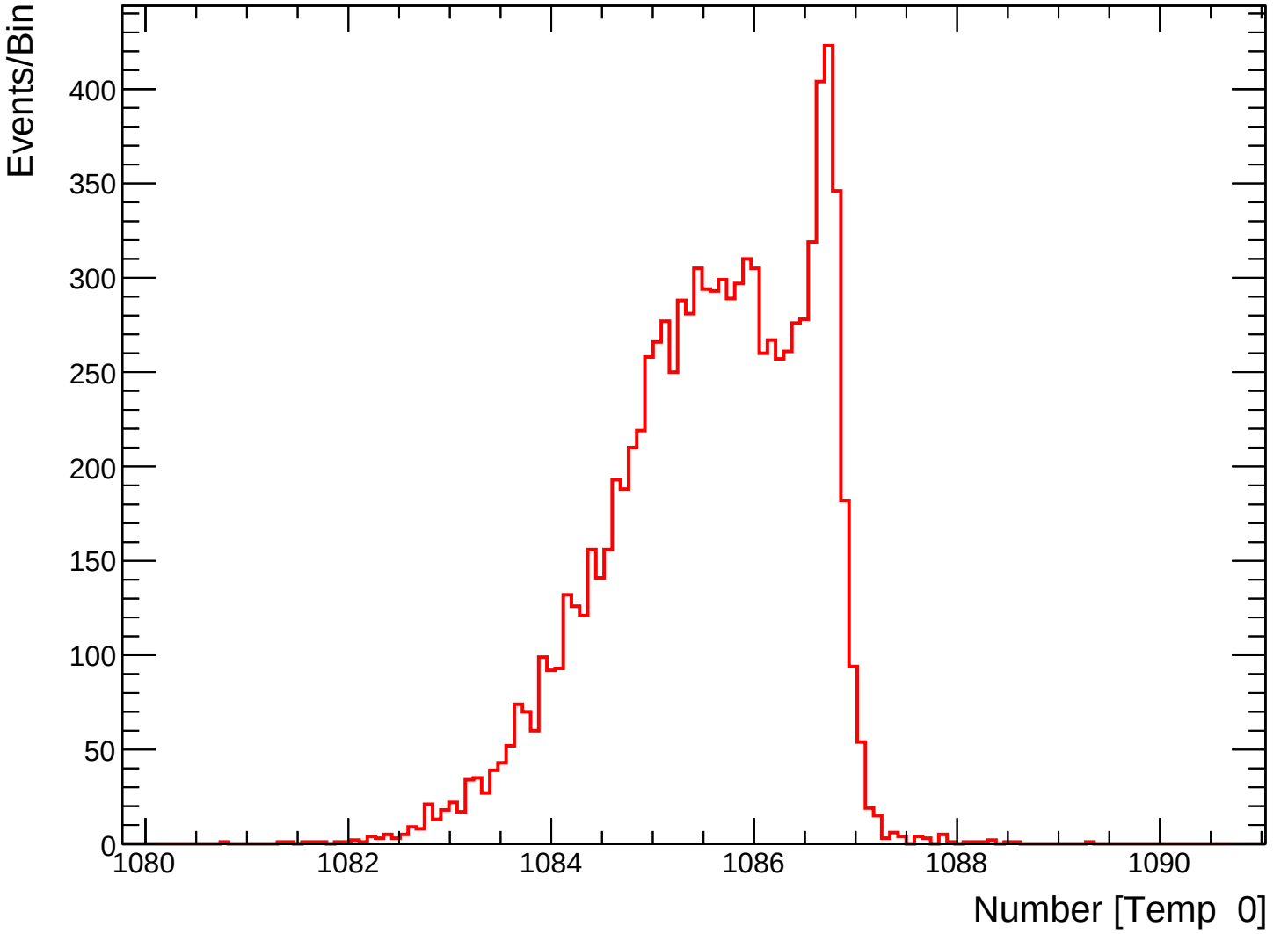

Time 18 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (429.7 ± 23.7)
e⁻+π⁻ (7.6 ± 11.6)
χ² 1.36
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

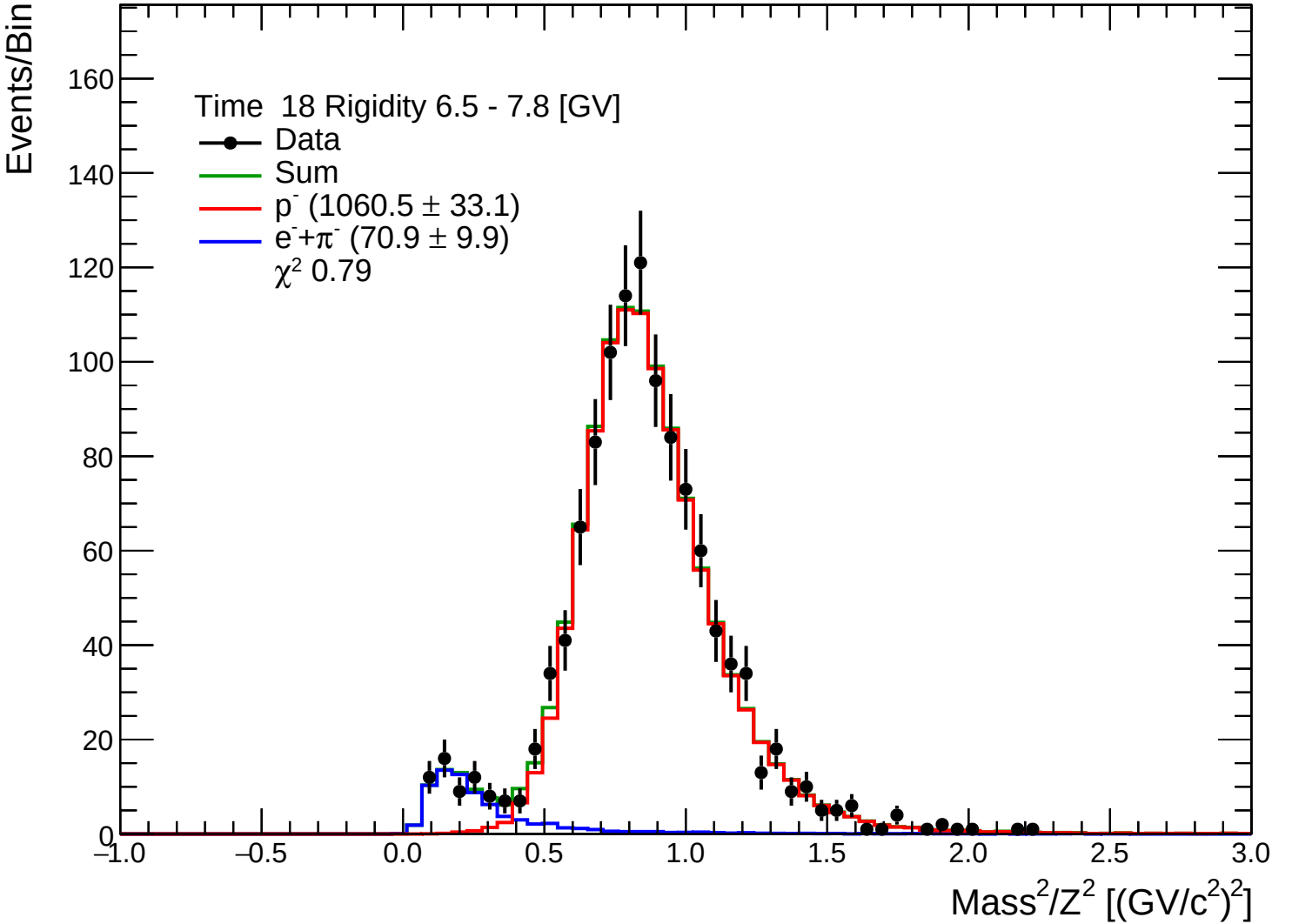

Events/Bin
450
400
350
300
250
200
150
100
50
0
415
420
425
430
435
440
445
Number [Temp 0]

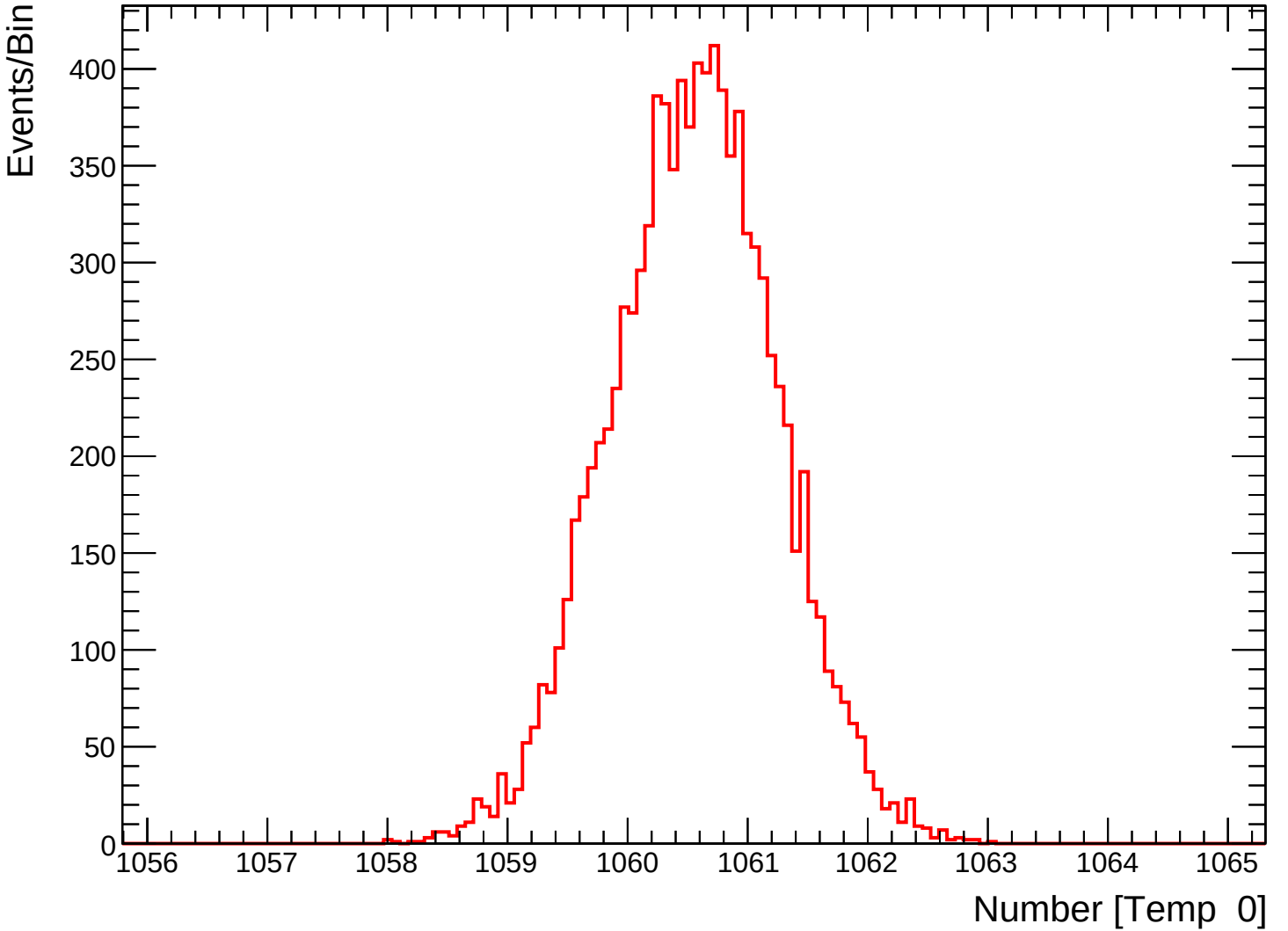

Time 18 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (822.7 ± 31.2)
e⁻+π⁻ (15.3 ± 12.5)
χ² 0.97
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

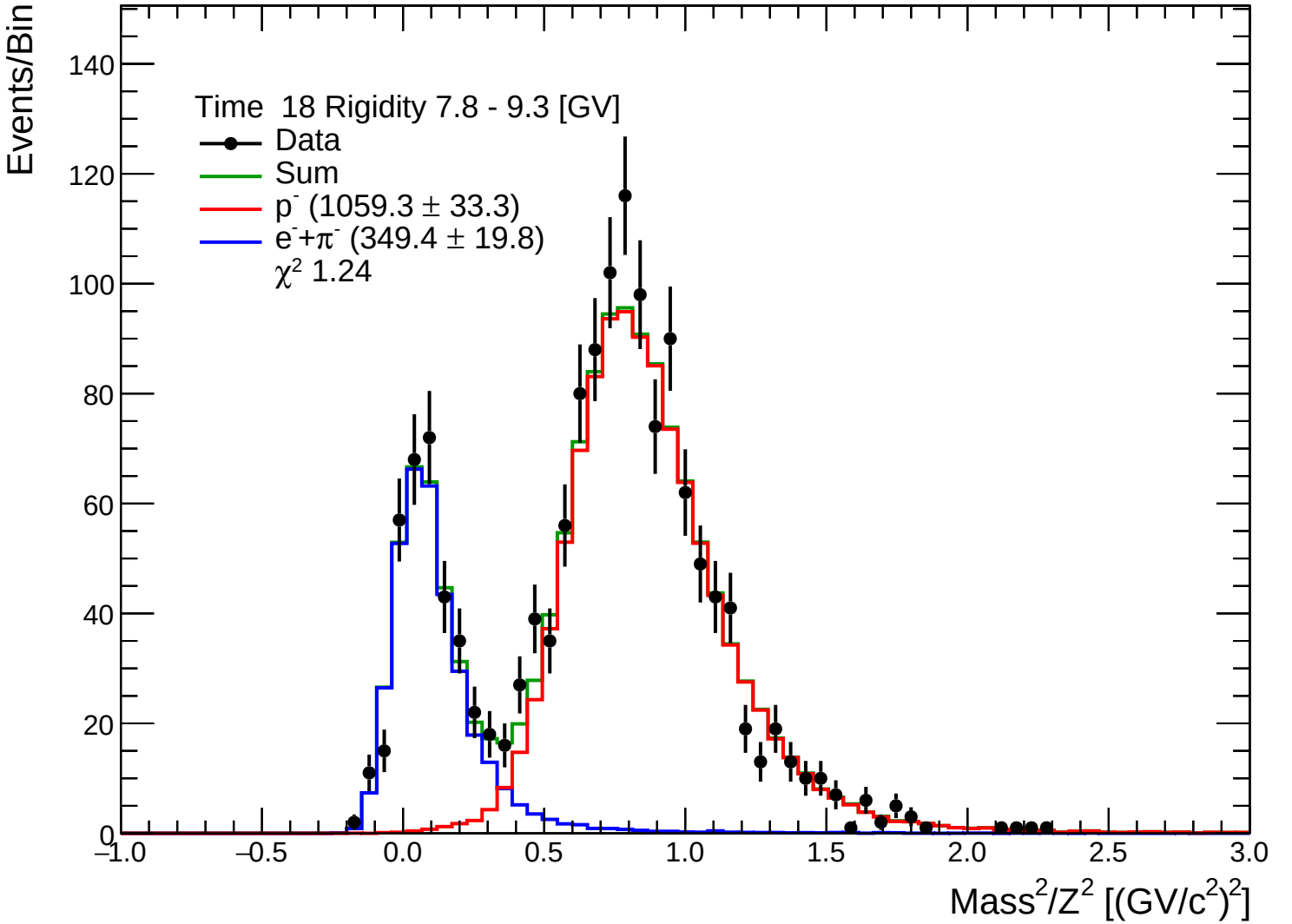

Events/Bin
400
350
300
250
200
150
100
50
0
805
810
815
820
825
830
835
840
Number [Temp 0]

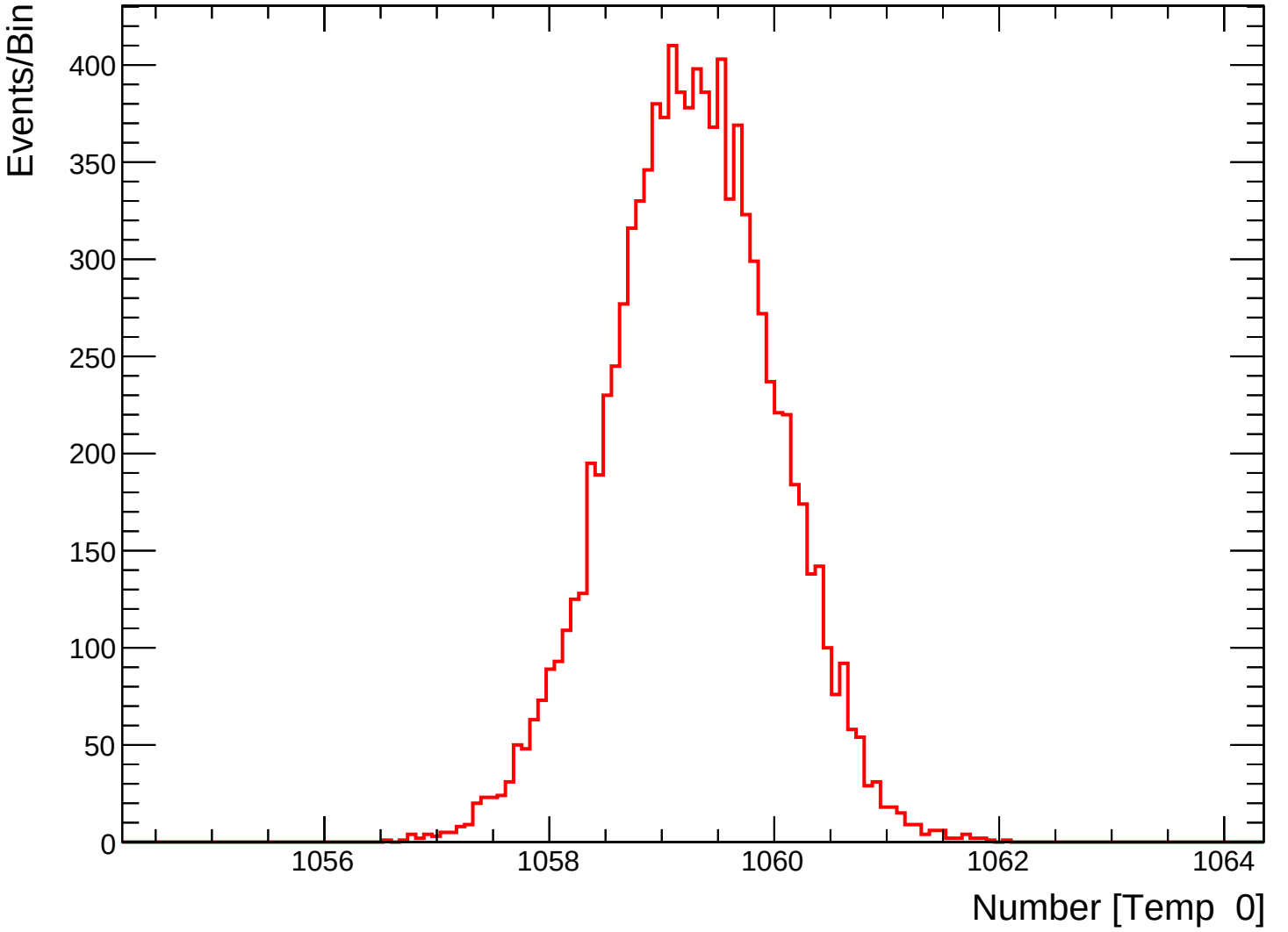

Time 18 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (1085.6 ± 33.9)
e⁻+π⁻ (0.7 ± 7.2)
χ² 0.77
Events/Bin
Mass²/Z² [(GV/c²)²]
200
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

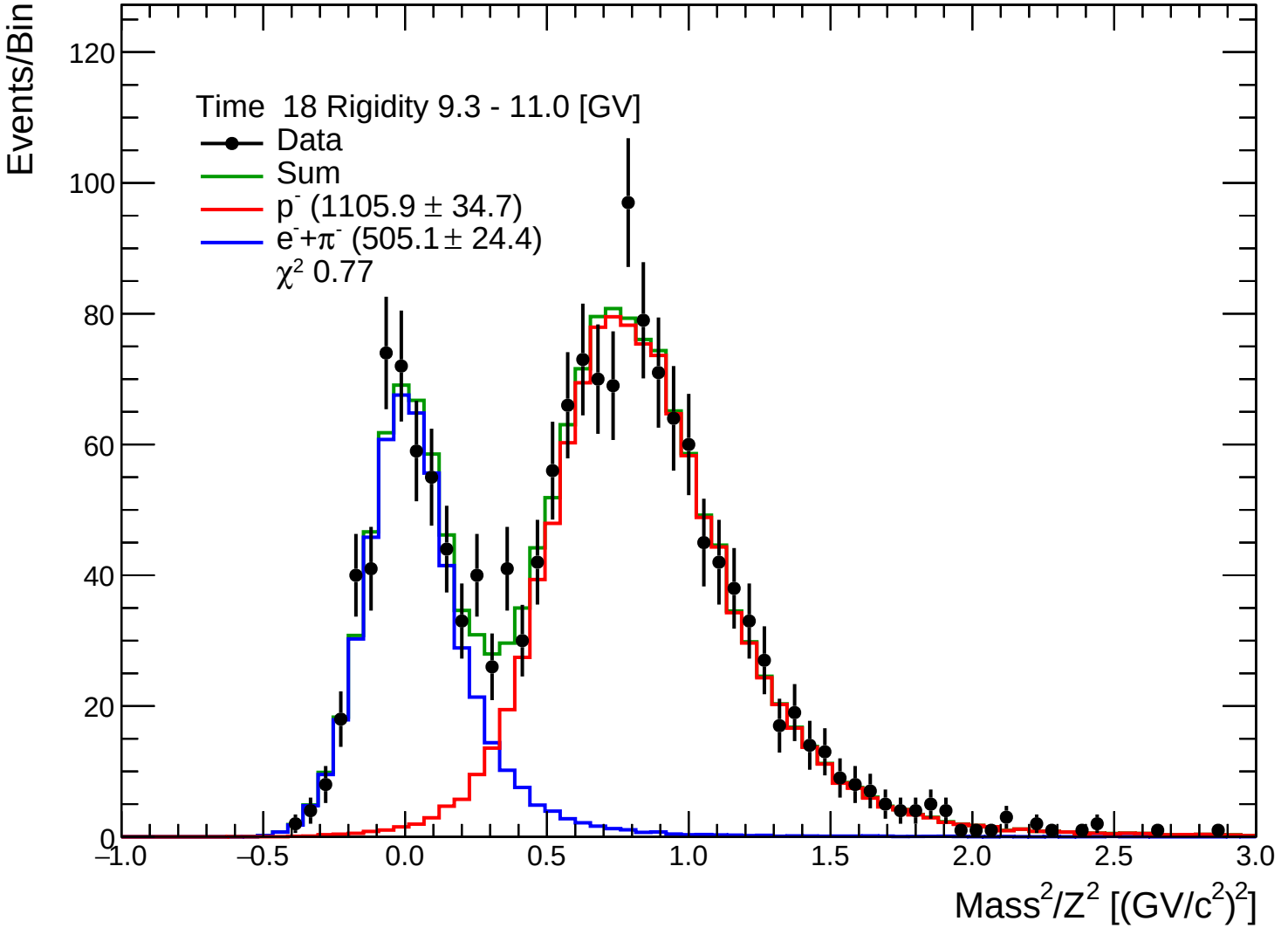

Events/Bin
400
350
300
250
200
150
100
50
0
1080
1082
1084
1086
1088
1090
Number [Temp 0]

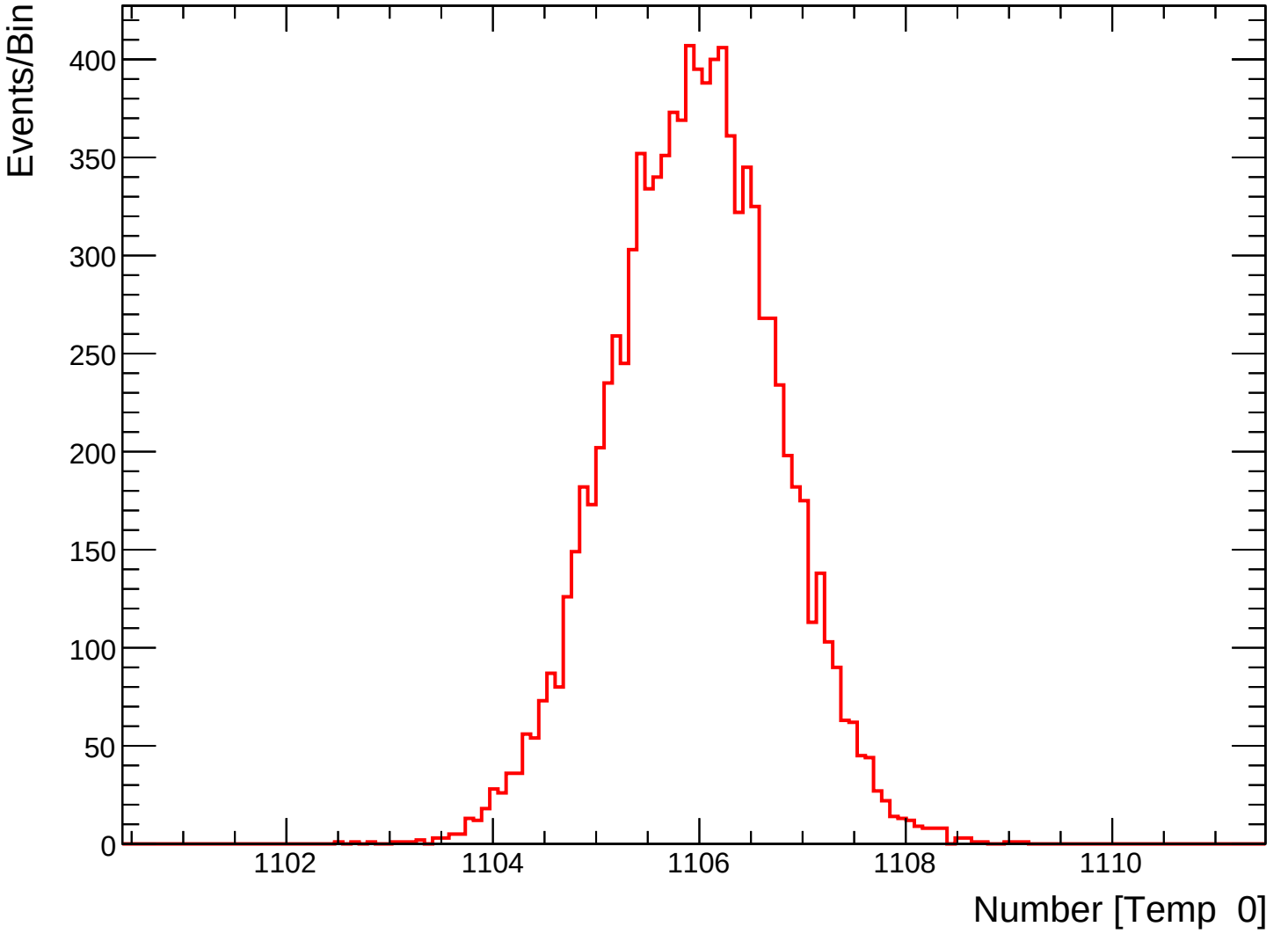

Time 18 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1060.5 ± 33.1)
e⁻+π⁻ (70.9 ± 9.9)
χ² 0.79
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

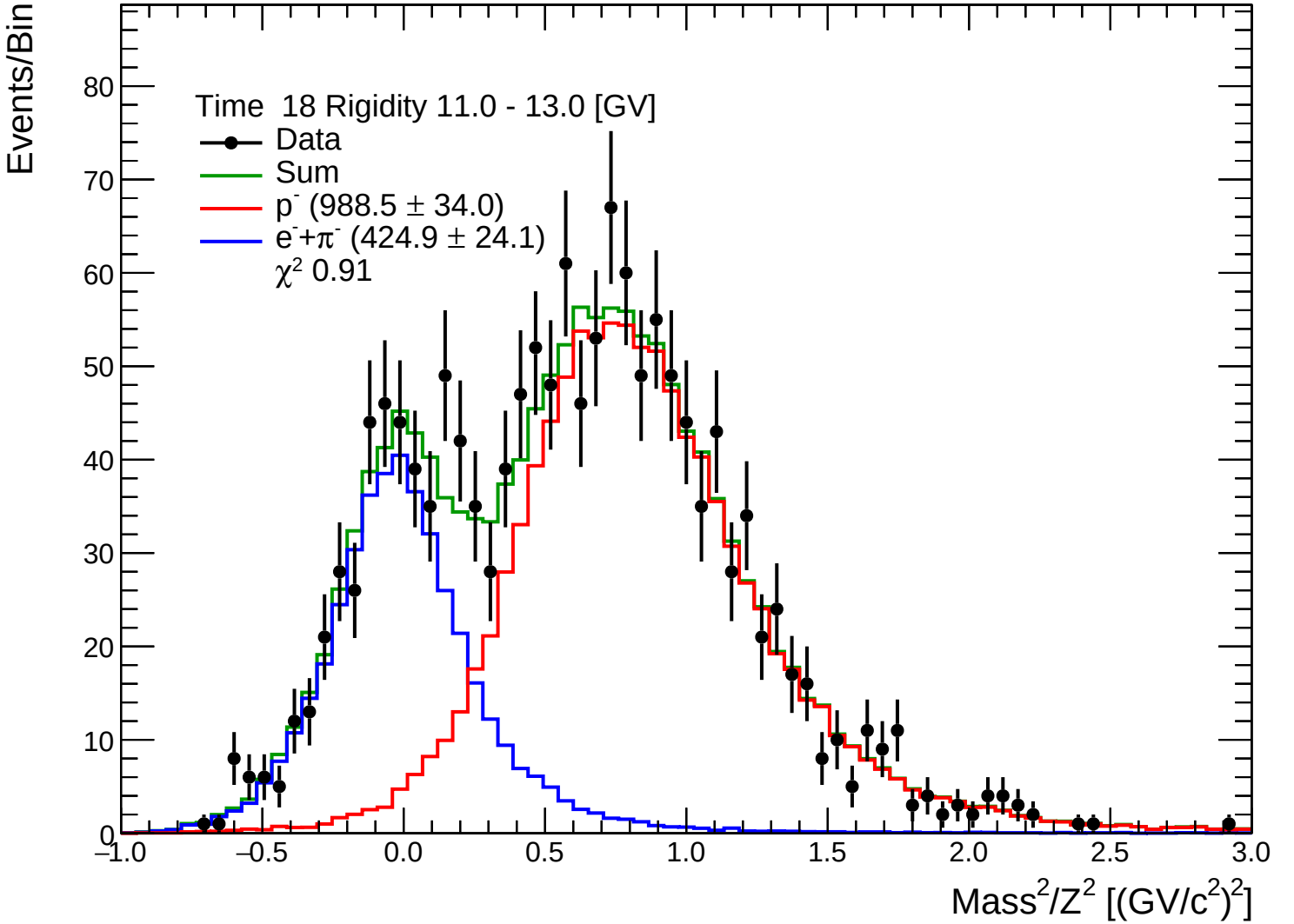

Events/Bin
400
350
300
250
200
150
100
50
0
1056
1057
1058
1059
1060
1061
1062
1063
1064
1065
Number [Temp 0]

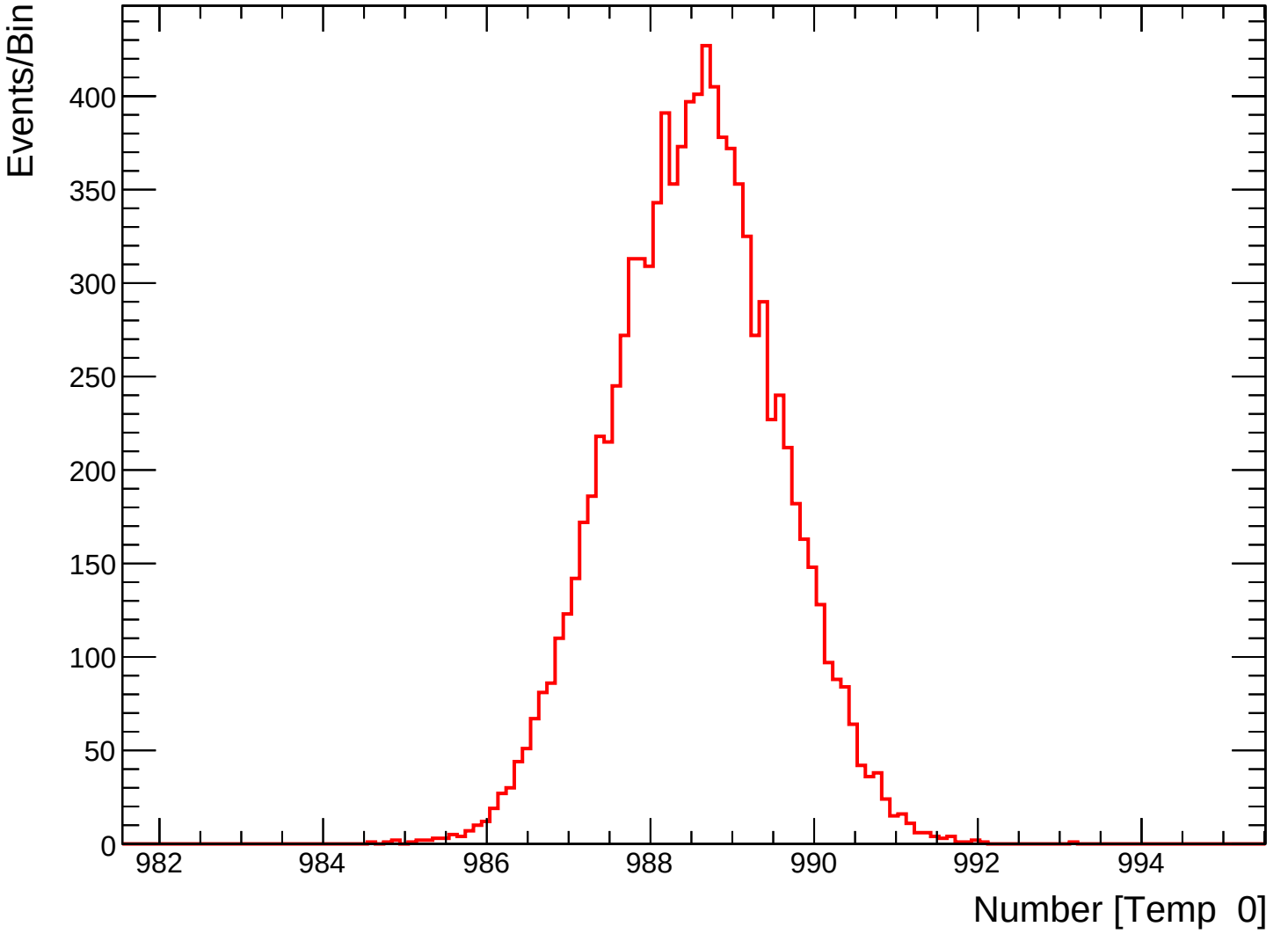

Time 18 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1059.3 ± 33.3)
e⁻+π⁻ (349.4 ± 19.8)
χ² 1.24
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

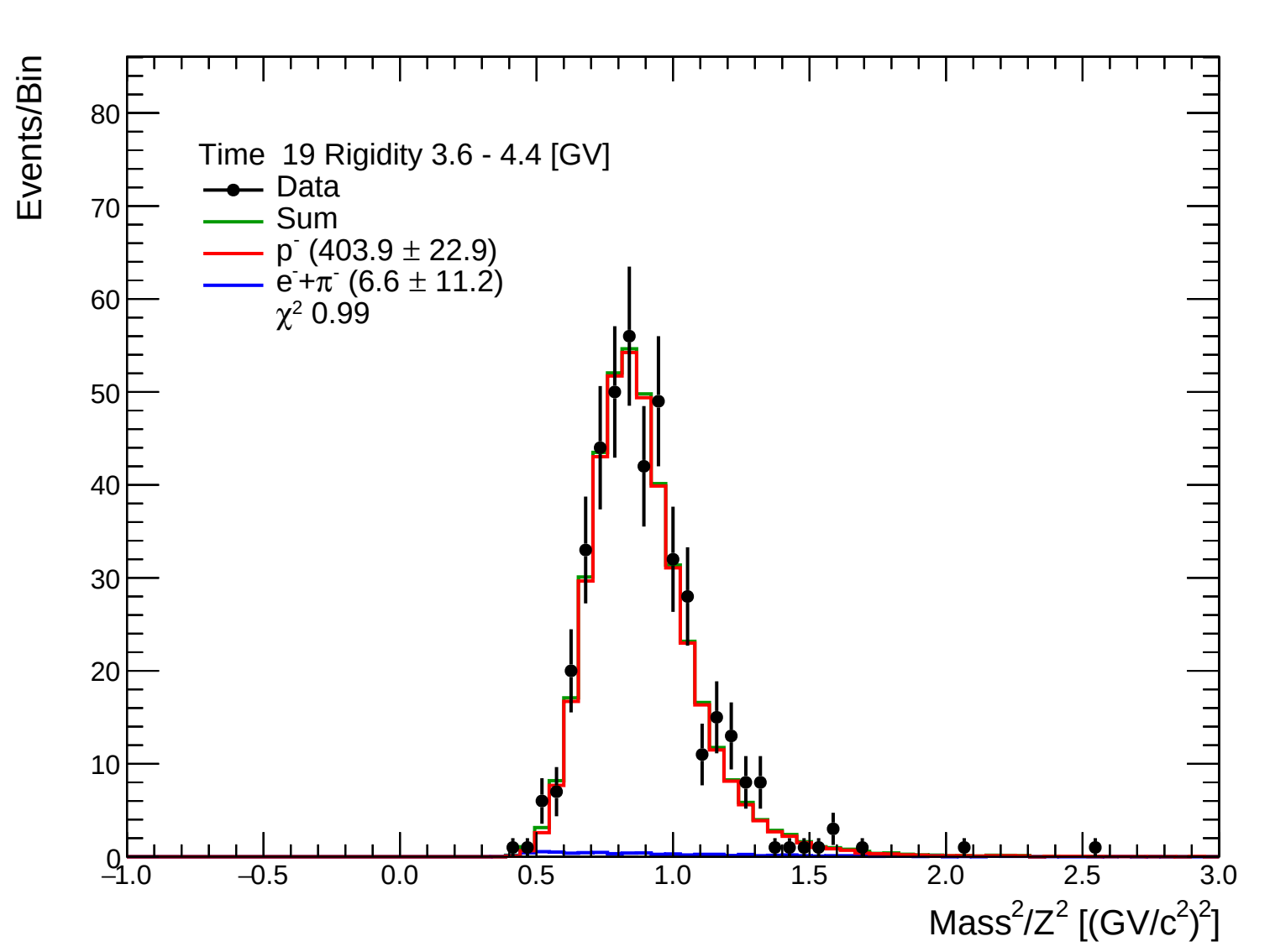

Events/Bin
400
350
300
250
200
150
100
50
0
1056
1058
1060
1062
1064
Number [Temp 0]

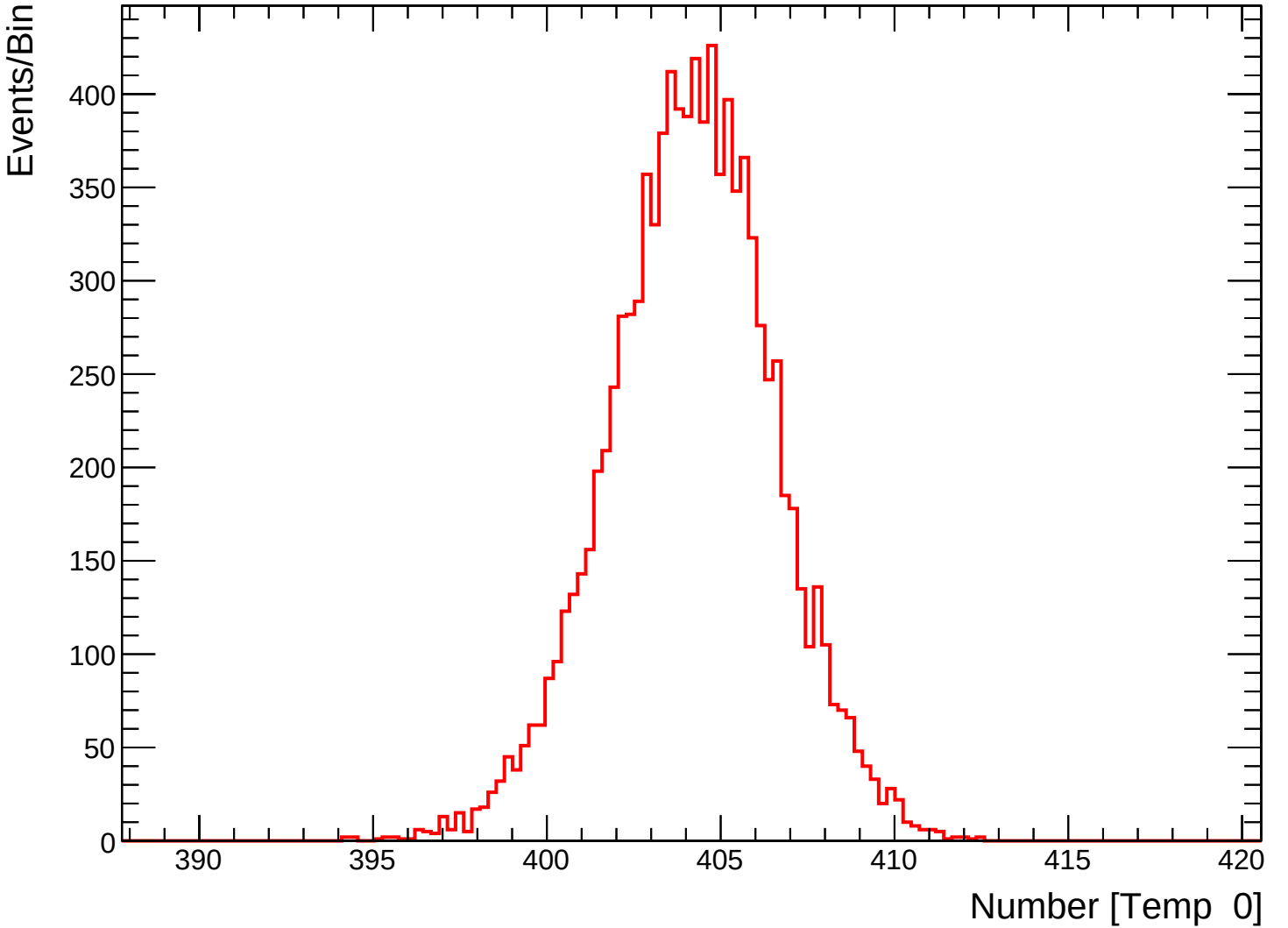

Time 18 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (1105.9 ± 34.7)
e⁻+π⁻ (505.1 ± 24.4)
χ² 0.77
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

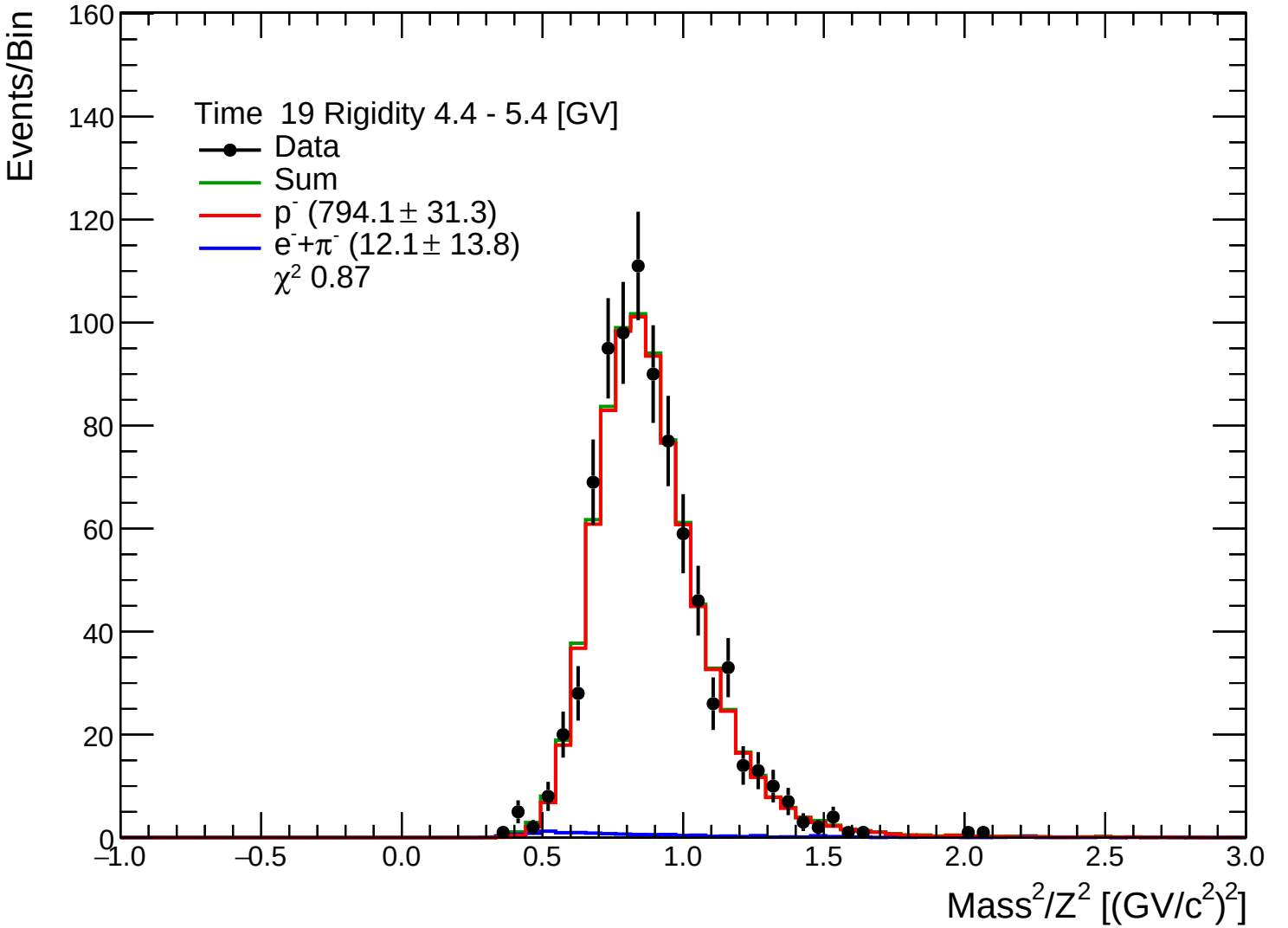

Events/Bin
400
350
300
250
200
150
100
50
0
1102
1104
1106
1108
1110
Number [Temp 0]

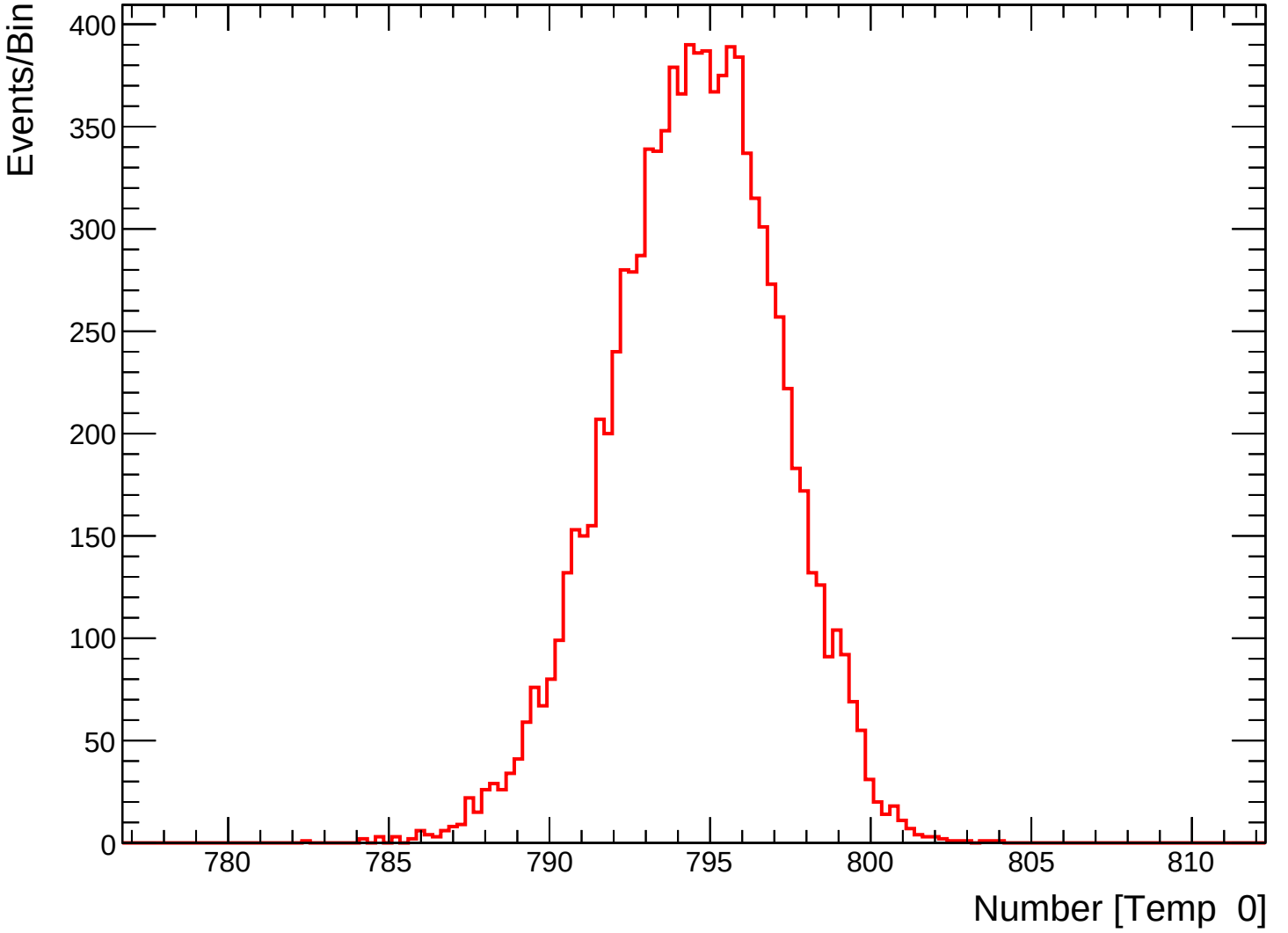

Time 18 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (988.5 ± 34.0)
e⁻+π⁻ (424.9 ± 24.1)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

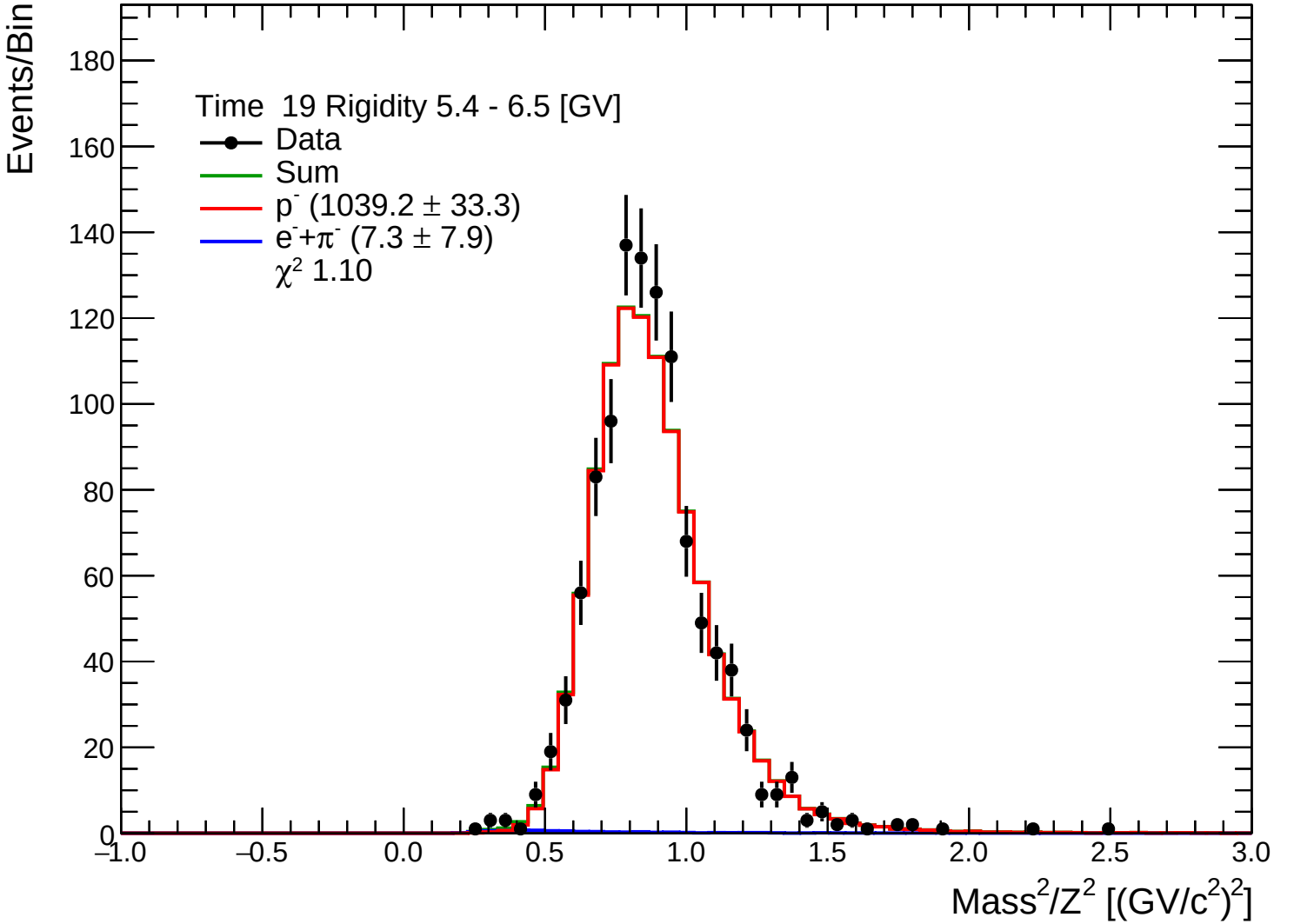

Events/Bin
400
350
300
250
200
150
100
50
0
982
984
986
988
990
992
994
Number [Temp 0]

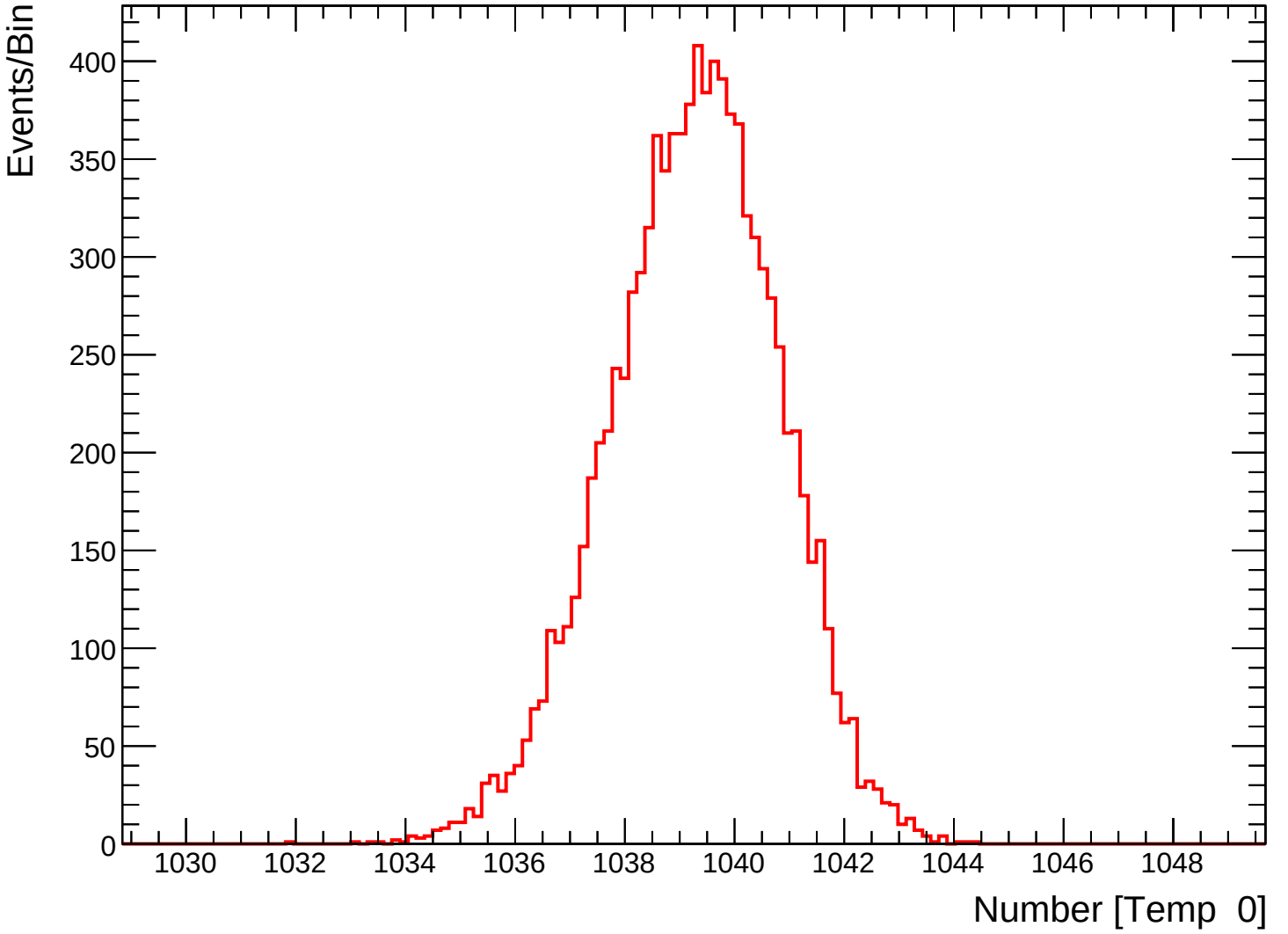

Time 19 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (403.9 ± 22.9)
e⁻+π⁻ (6.6 ± 11.2)
χ² 0.99
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

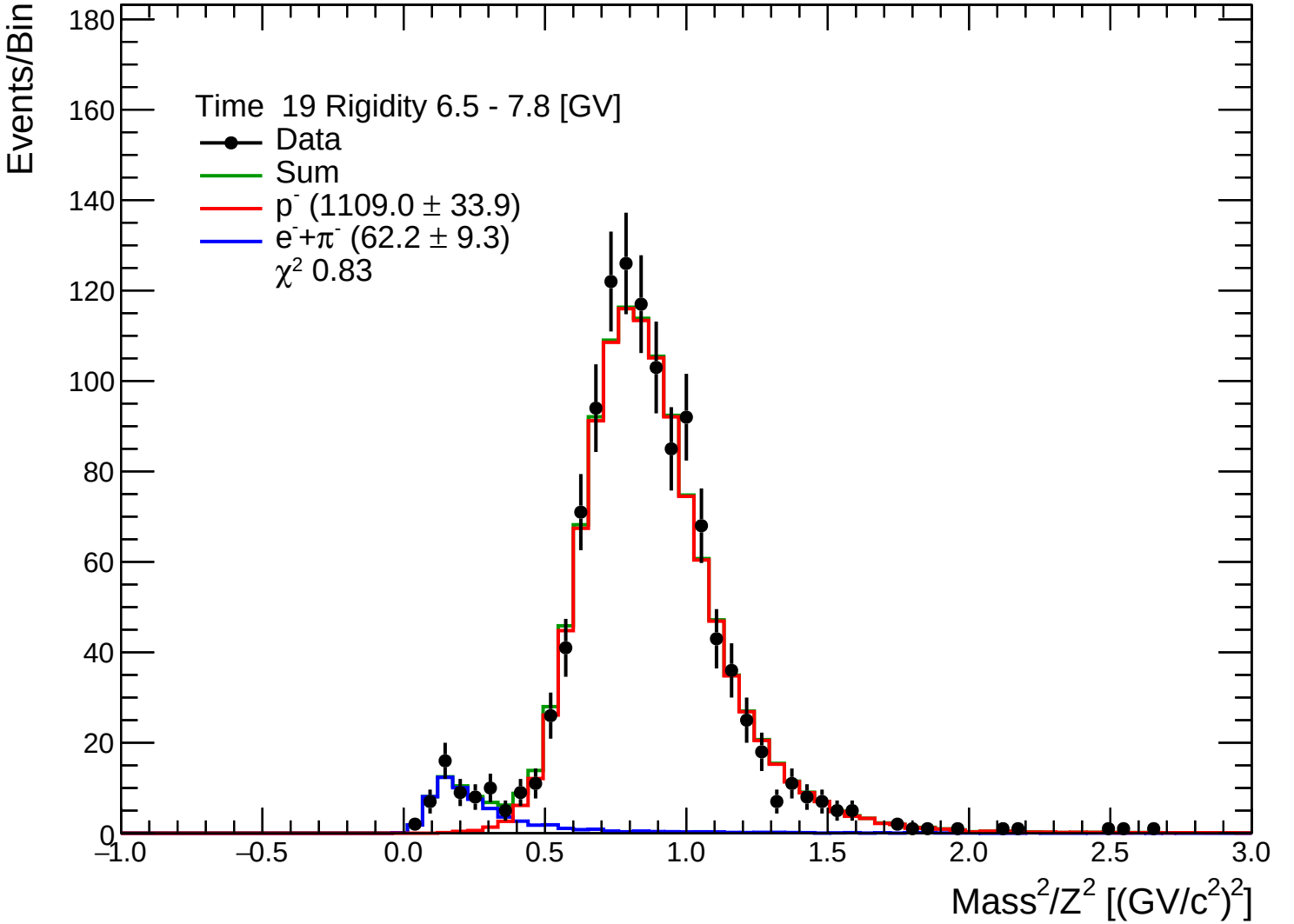

Events/Bin
0
50
100
150
200
250
300
350
400
390
395
400
405
410
415
420
Number [Temp 0]

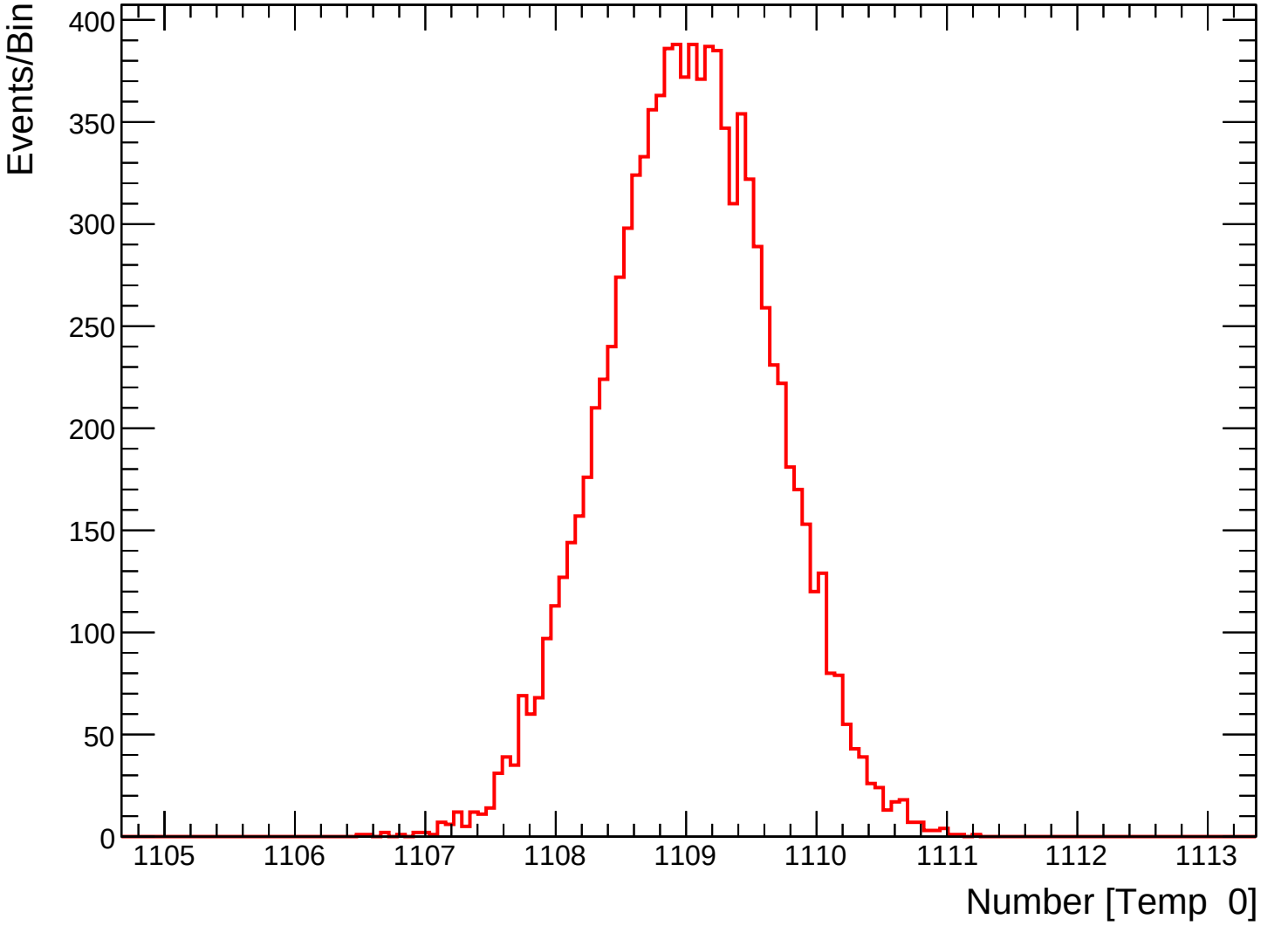

Time 19 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (794.1 ± 31.3)
e⁻+π⁻ (12.1 ± 13.8)
χ² 0.87
Events/Bin
Mass²/Z² [(GV/c²)²]
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

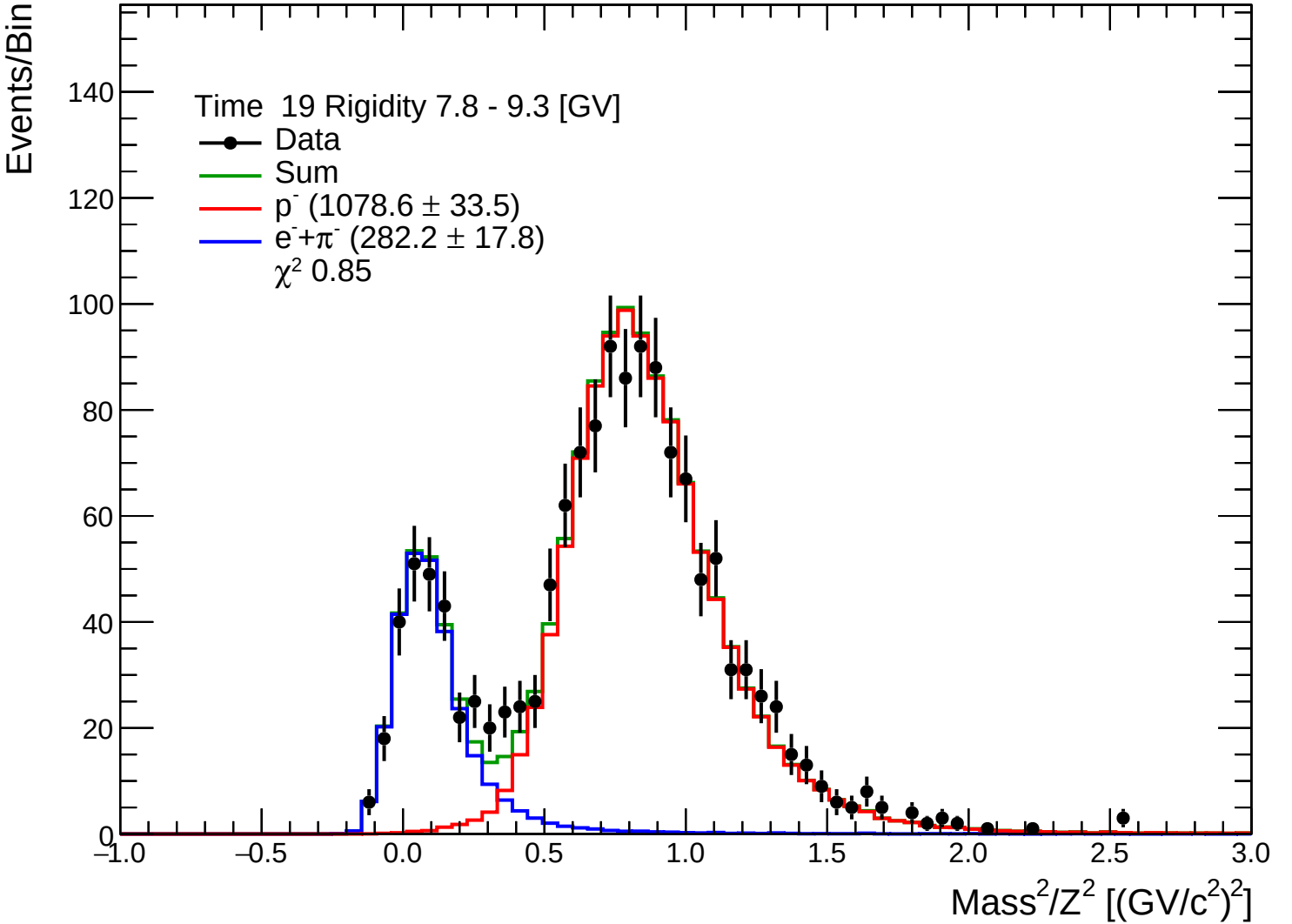

Events/Bin
400
350
300
250
200
150
100
50
0
780
785
790
795
800
805
810
Number [Temp 0]

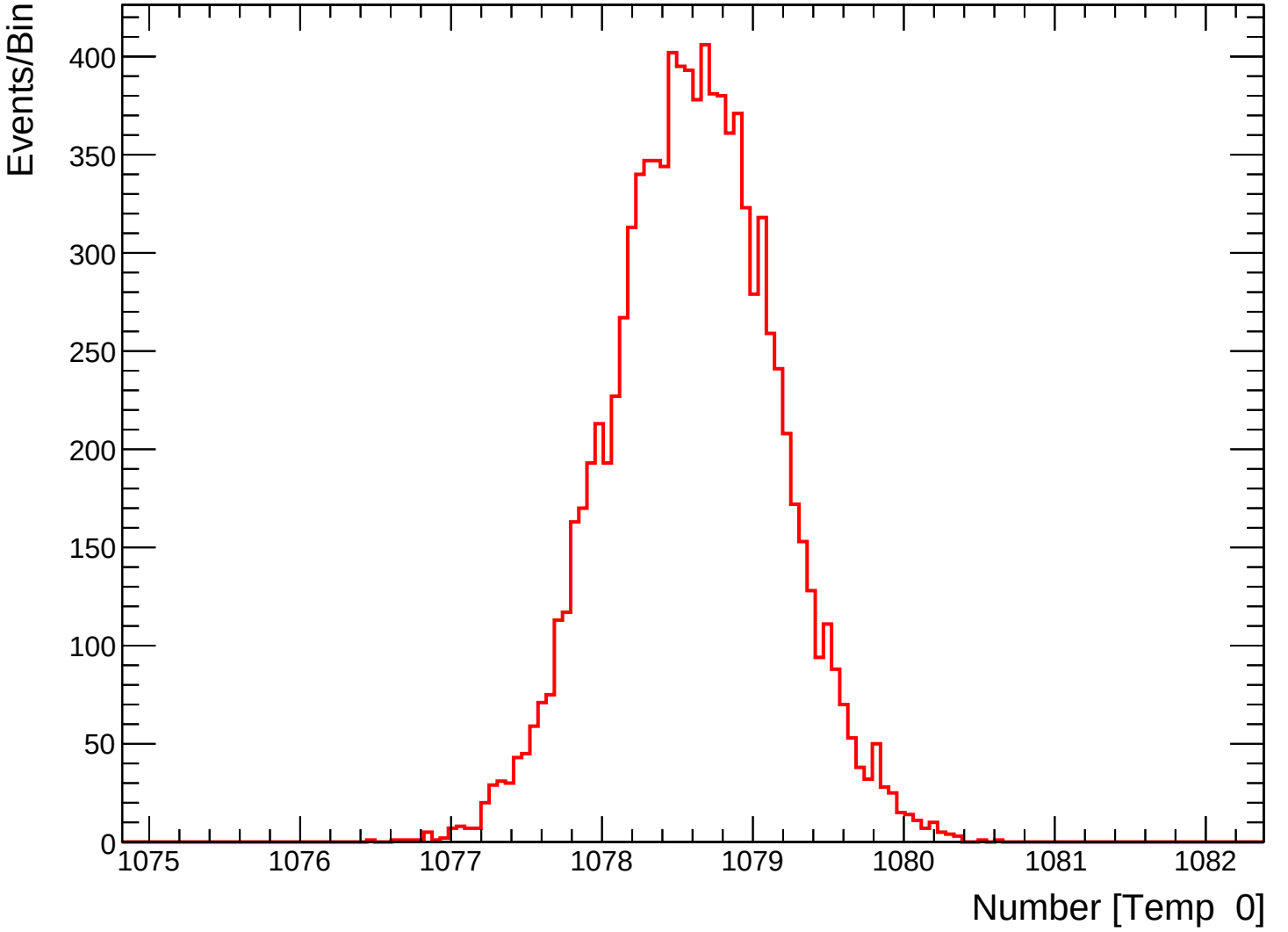

Time 19 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (1039.2 ± 33.3)
e⁻+π⁻ (7.3 ± 7.9)
χ² 1.10
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

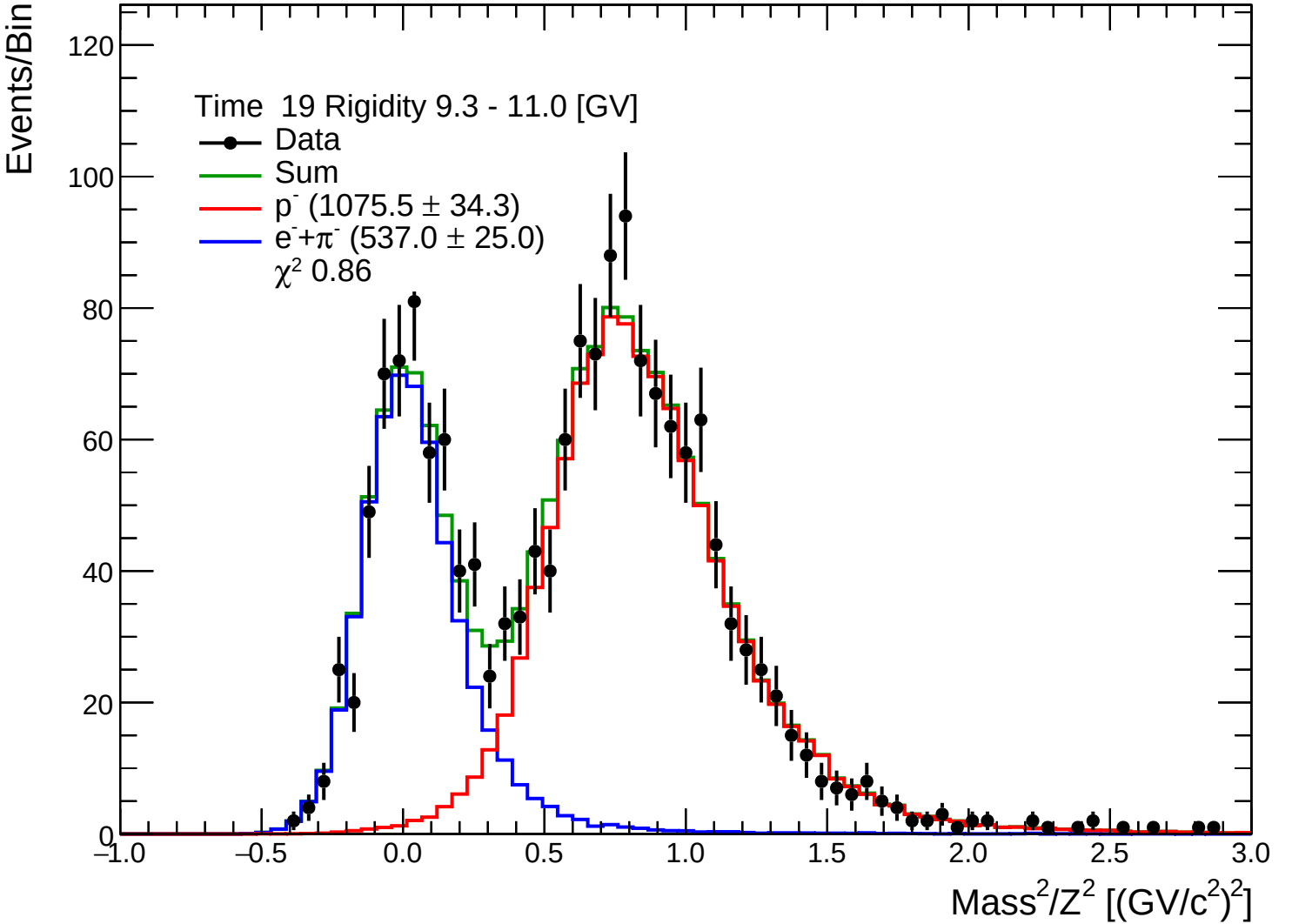

Events/Bin
400
350
300
250
200
150
100
50
0
1030
1032
1034
1036
1038
1040
1042
1044
1046
1048
Number [Temp 0]

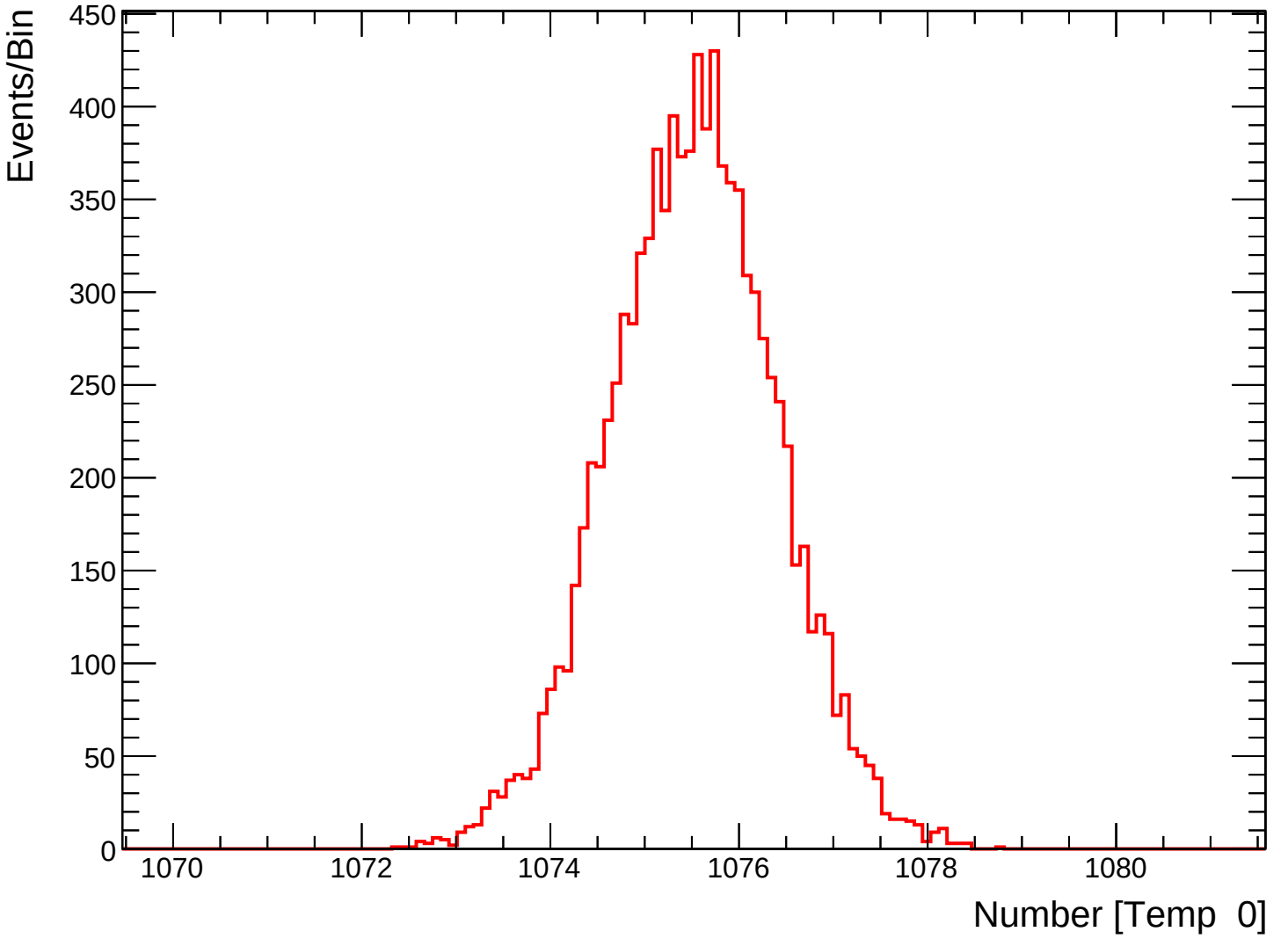

Time 19 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1109.0 ± 33.9)
e⁻+π⁻ (62.2 ± 9.3)
χ² 0.83
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

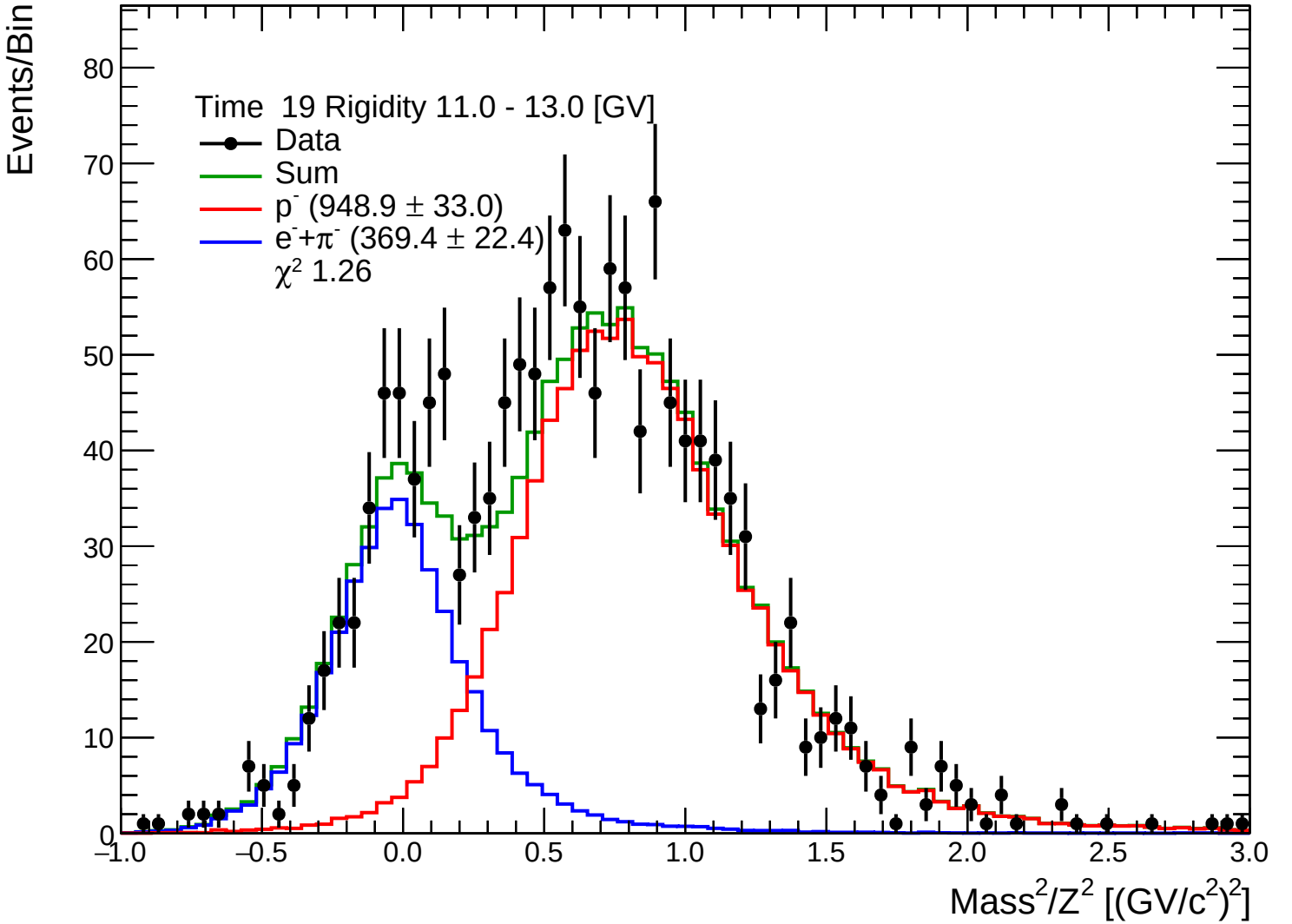

Events/Bin
400
350
300
250
200
150
100
50
0
1105
1106
1107
1108
1109
1110
1111
1112
1113
Number [Temp 0]

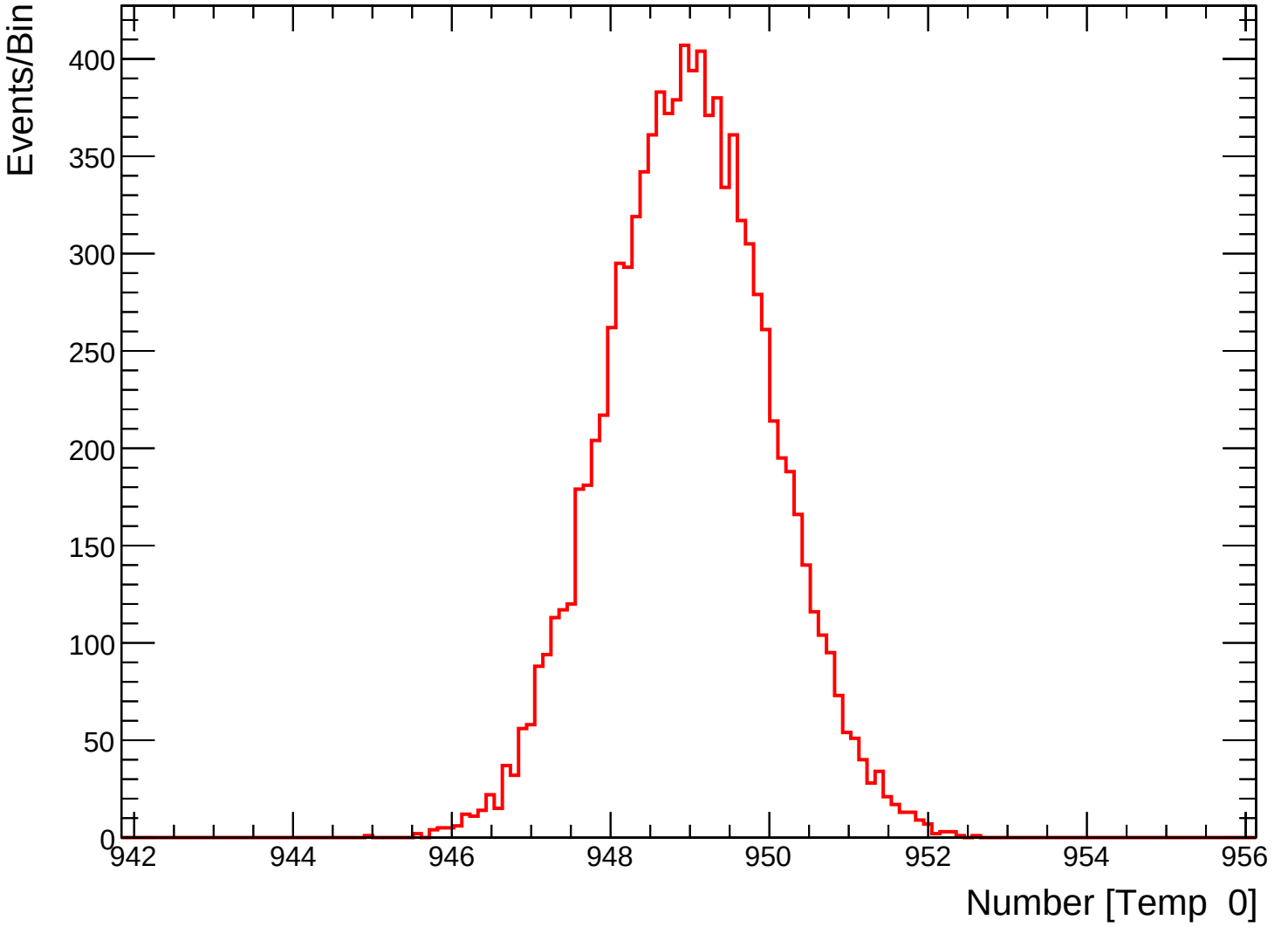

Time 19 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1078.6 ± 33.5)
e⁻+π⁻ (282.2 ± 17.8)
χ² 0.85
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

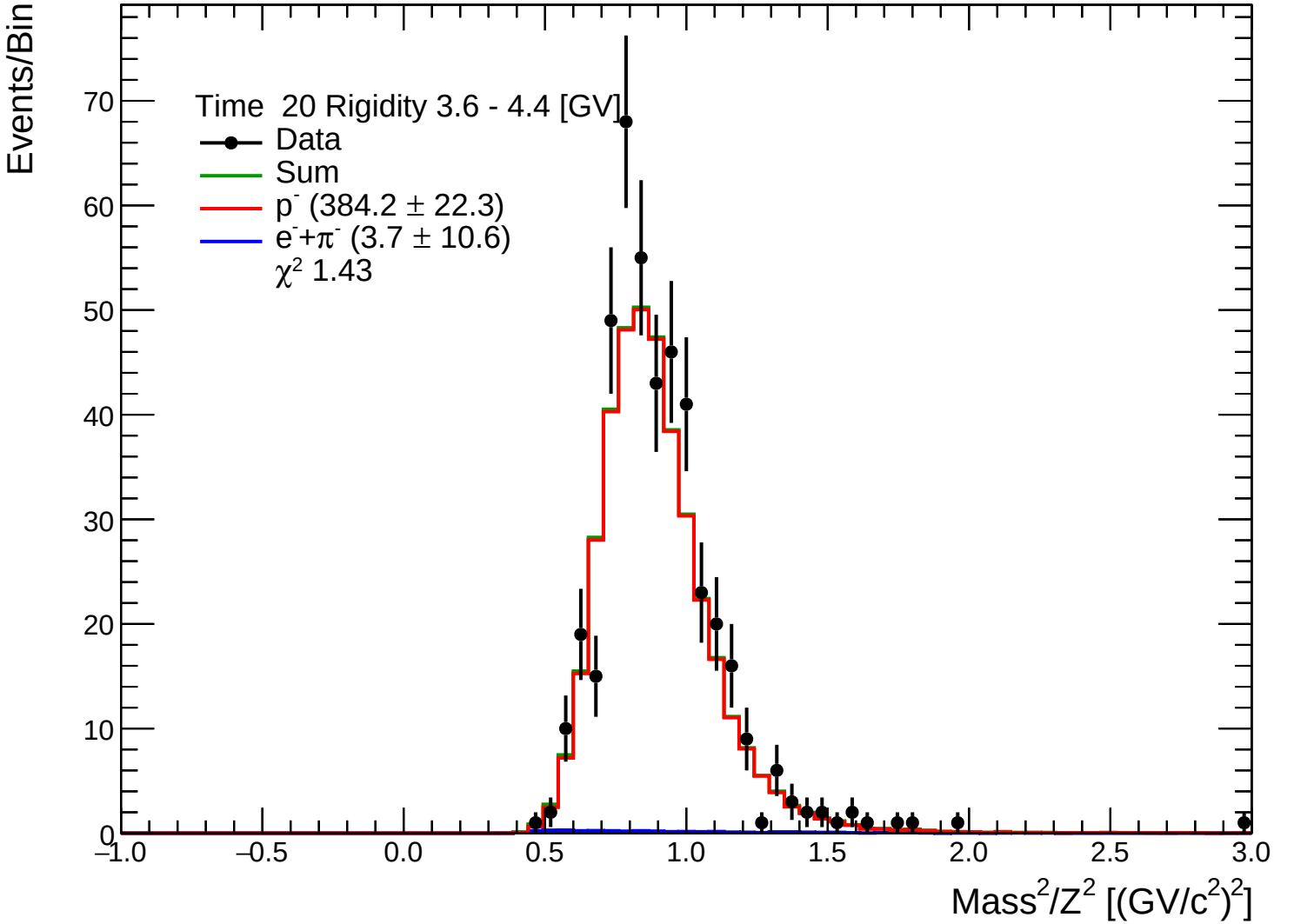

Events/Bin
400
350
300
250
200
150
100
50
0
1075
1076
1077
1078
1079
1080
1081
1082
Number [Temp 0]

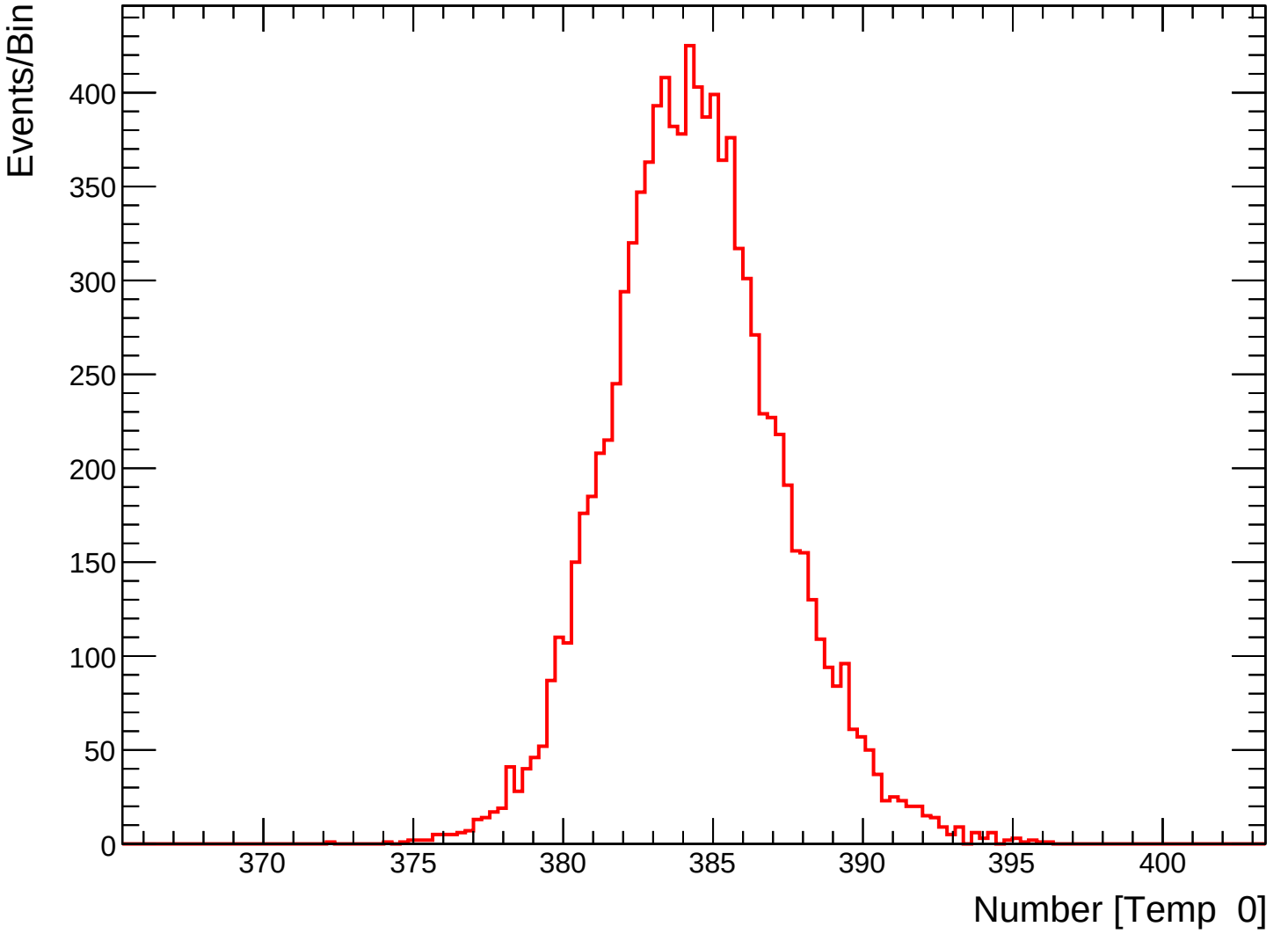

Time 19 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (1075.5 ± 34.3)
e⁻+π⁻ (537.0 ± 25.0)
χ² 0.86
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

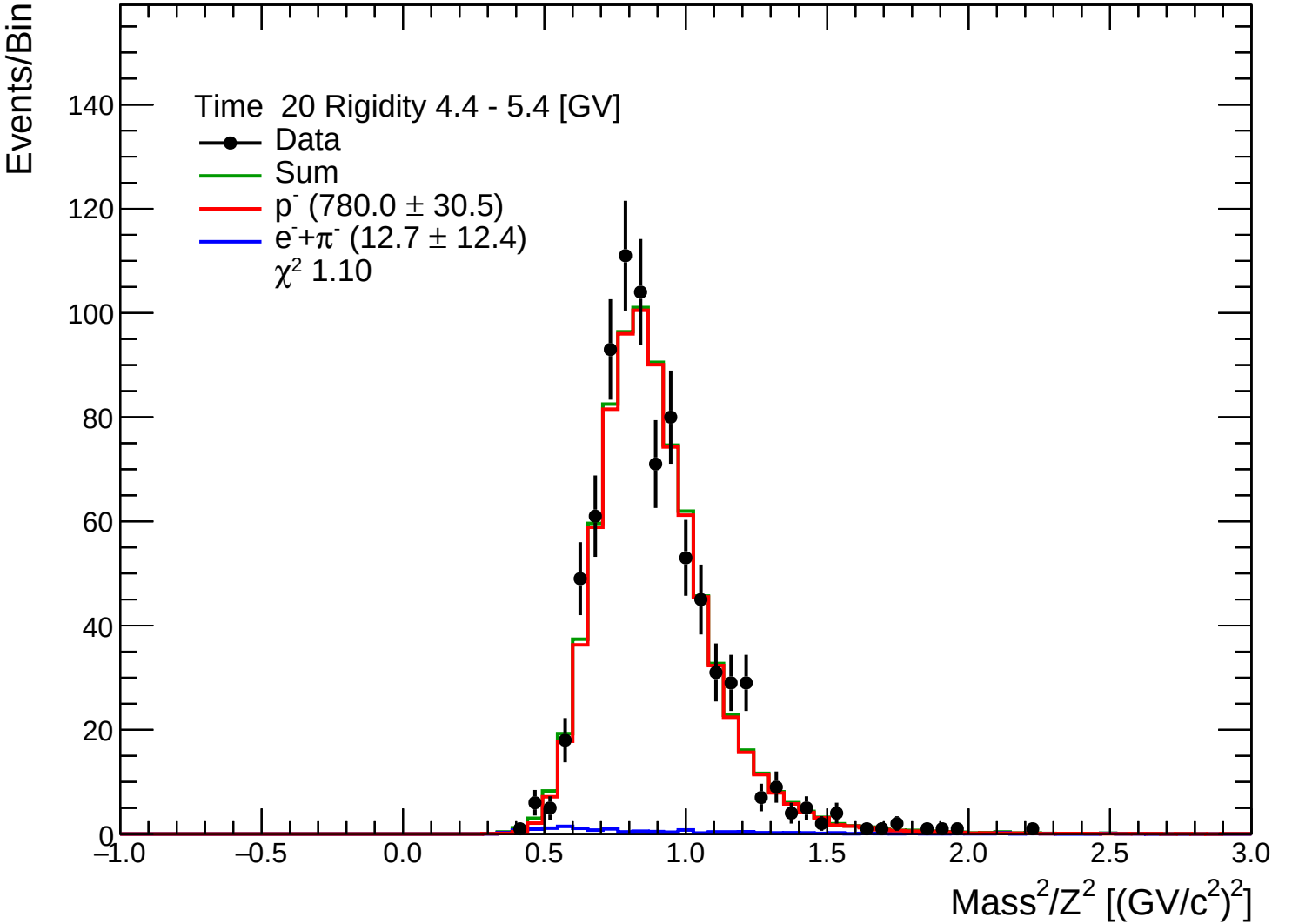

Events/Bin
450
400
350
300
250
200
150
100
50
0
1070
1072
1074
1076
1078
1080
Number [Temp 0]

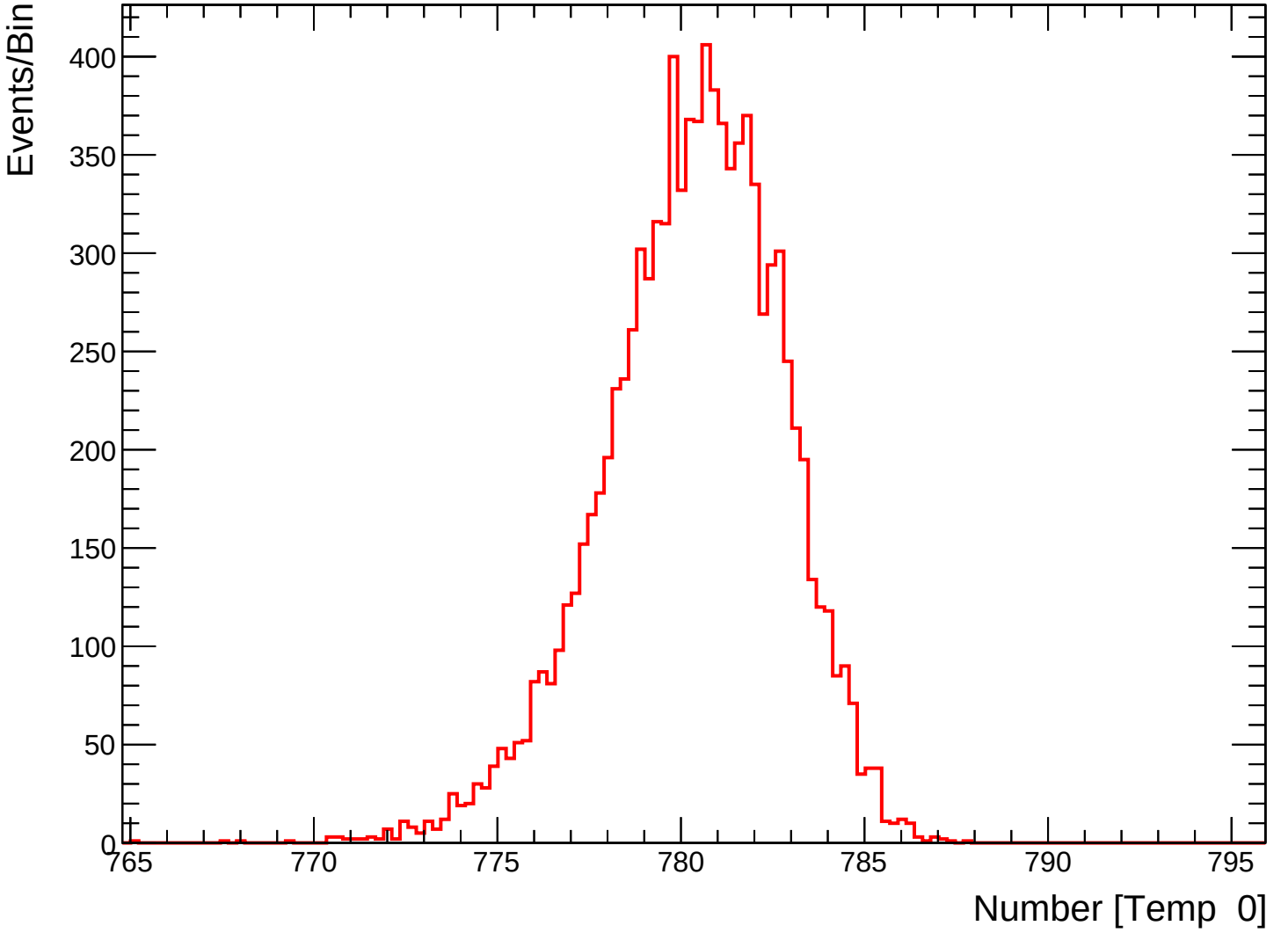

Time 19 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (948.9 ± 33.0)
e⁻+π⁻ (369.4 ± 22.4)
χ² 1.26
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

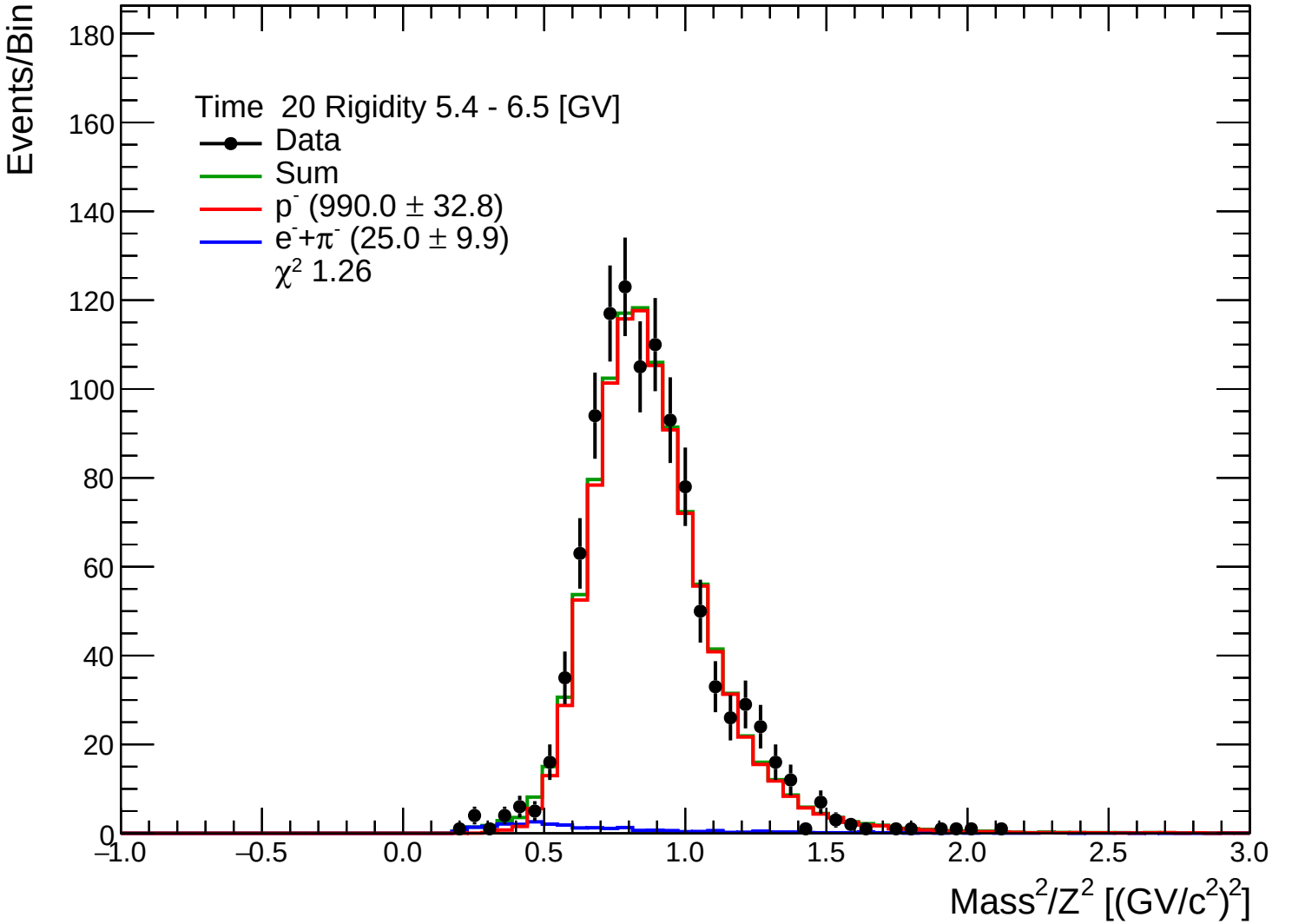

Events/Bin
400
350
300
250
200
150
100
50
0
942
944
946
948
950
952
954
956
Number [Temp 0]

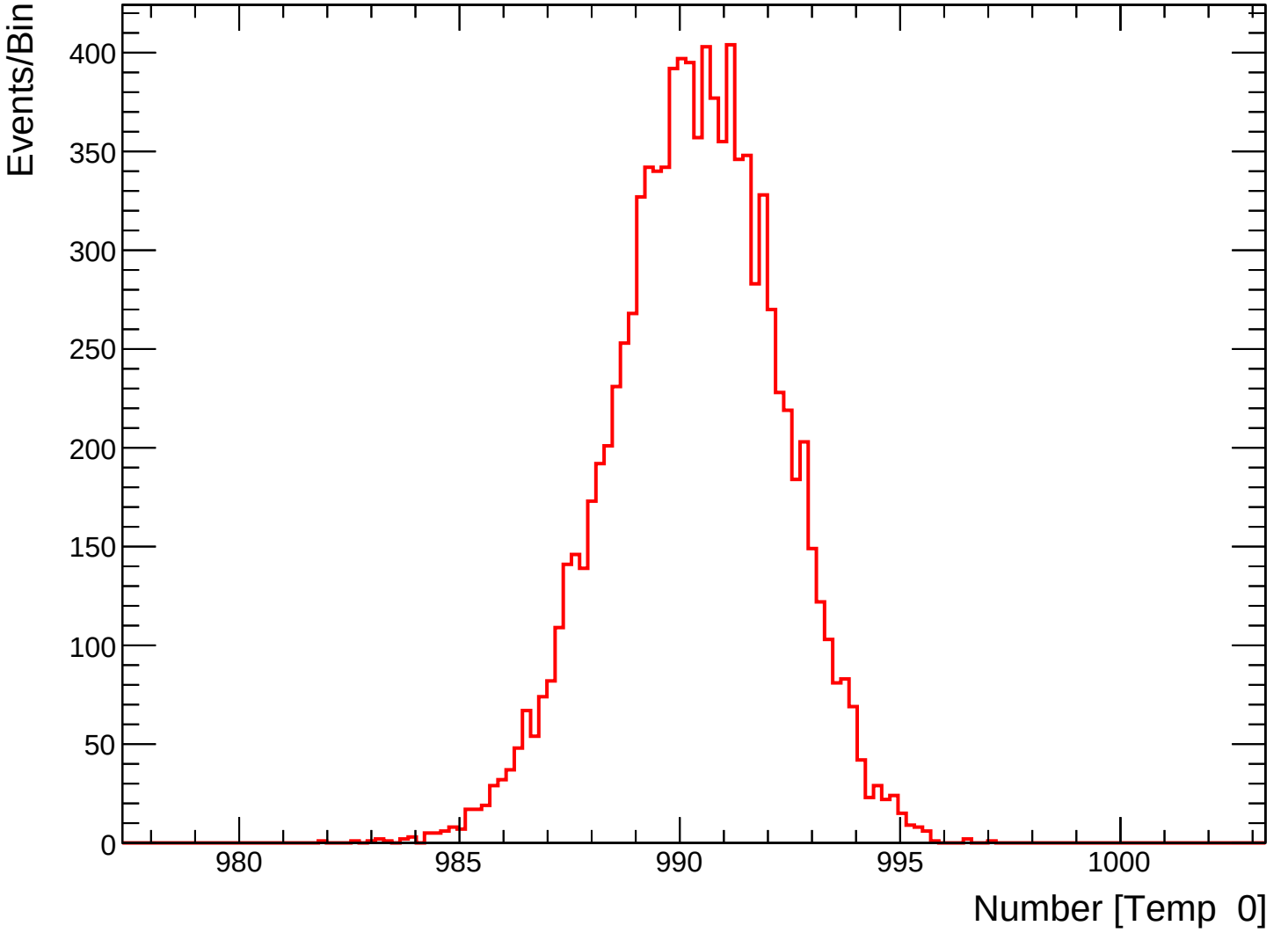

Time 20 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (384.2 ± 22.3)
e⁻+π⁻ (3.7 ± 10.6)
χ² 1.43
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

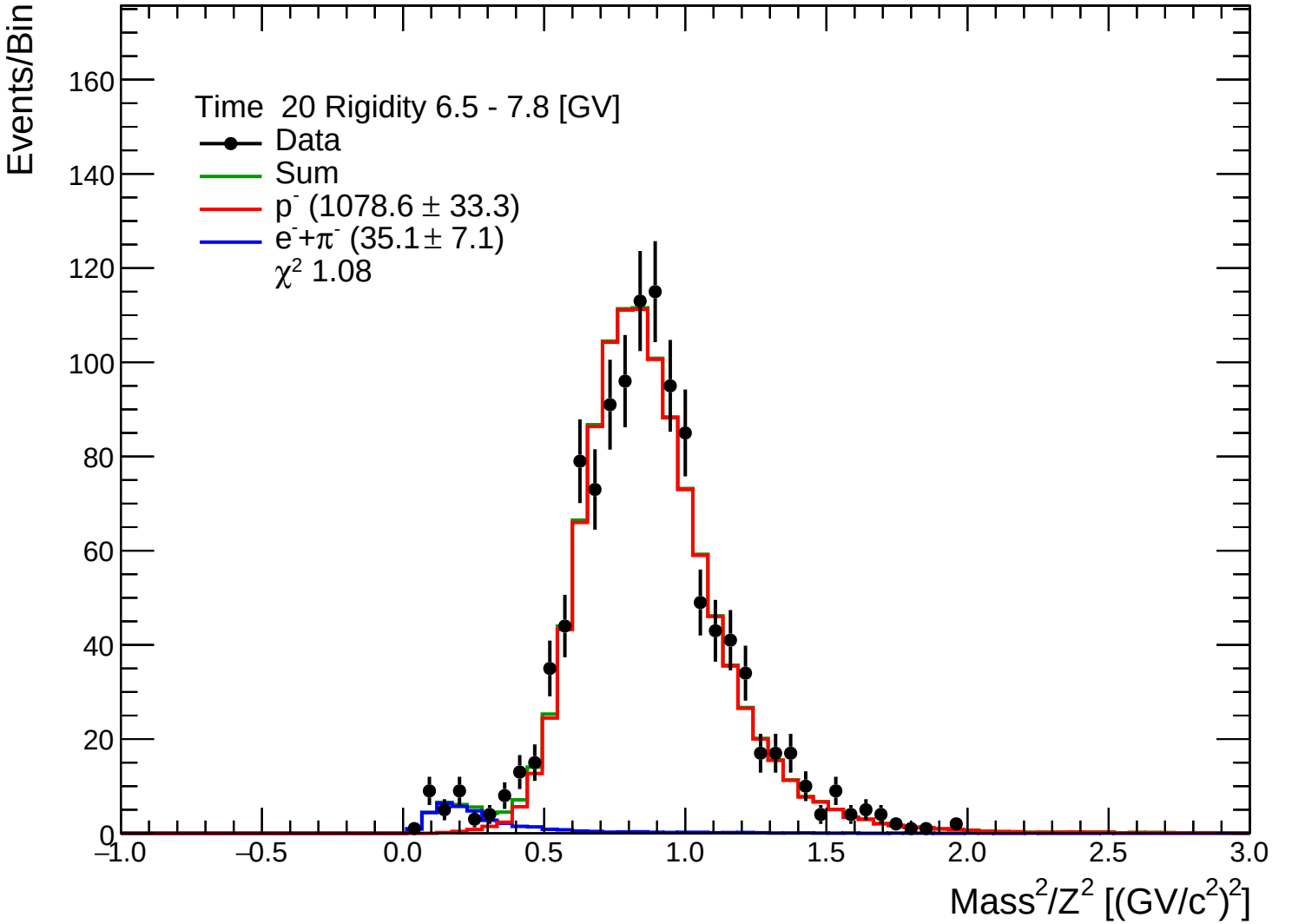

Events/Bin
400
350
300
250
200
150
100
50
0
370
375
380
385
390
395
400
Number [Temp 0]

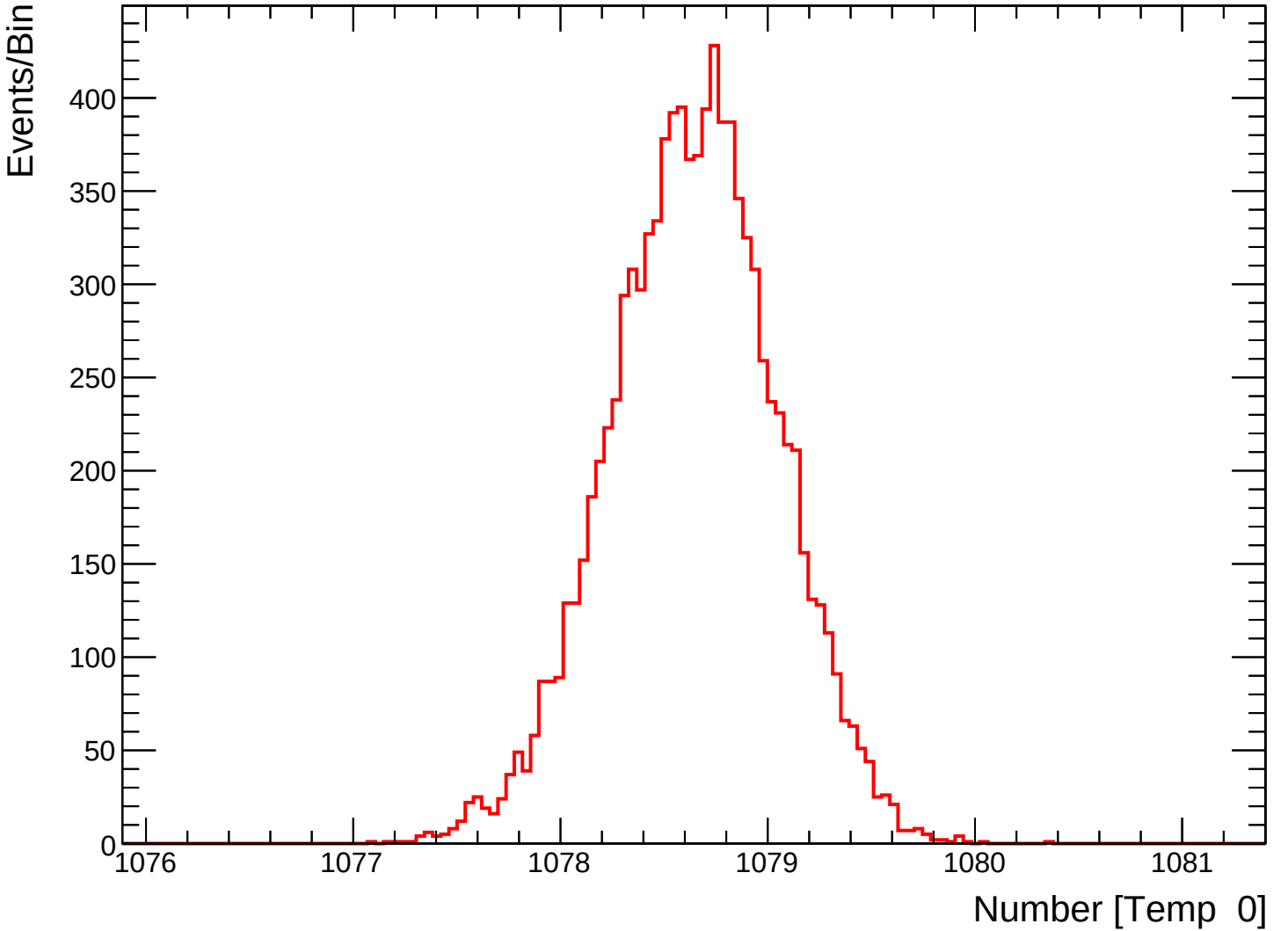

Time 20 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (780.0 ± 30.5)
e⁻+π⁻ (12.7 ± 12.4)
χ² 1.10
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

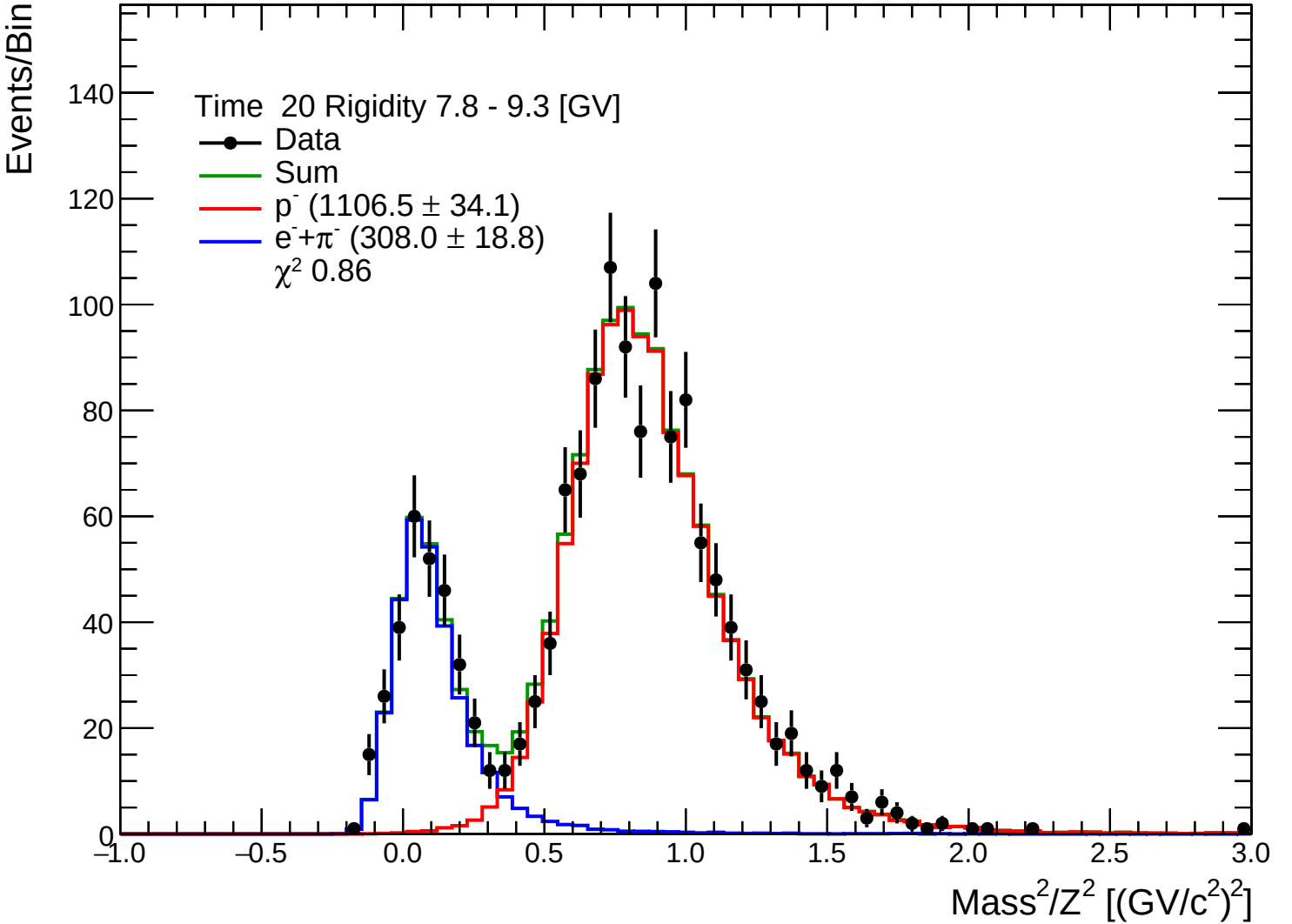

Events/Bin
400
350
300
250
200
150
100
50
0
765
770
775
780
785
790
795
Number [Temp 0]

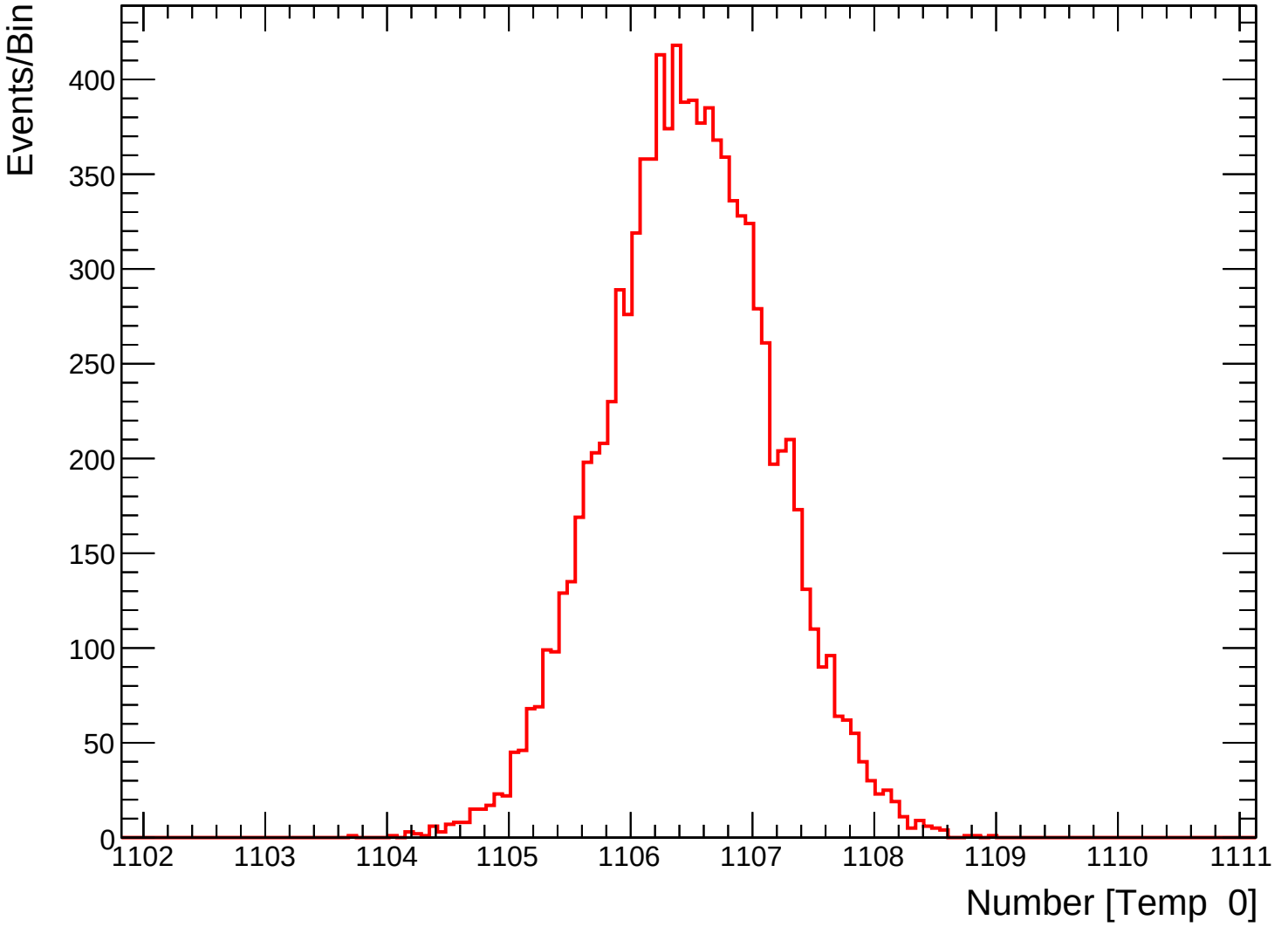

Time 20 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (990.0 ± 32.8)
e⁻+π⁻ (25.0 ± 9.9)
χ² 1.26
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

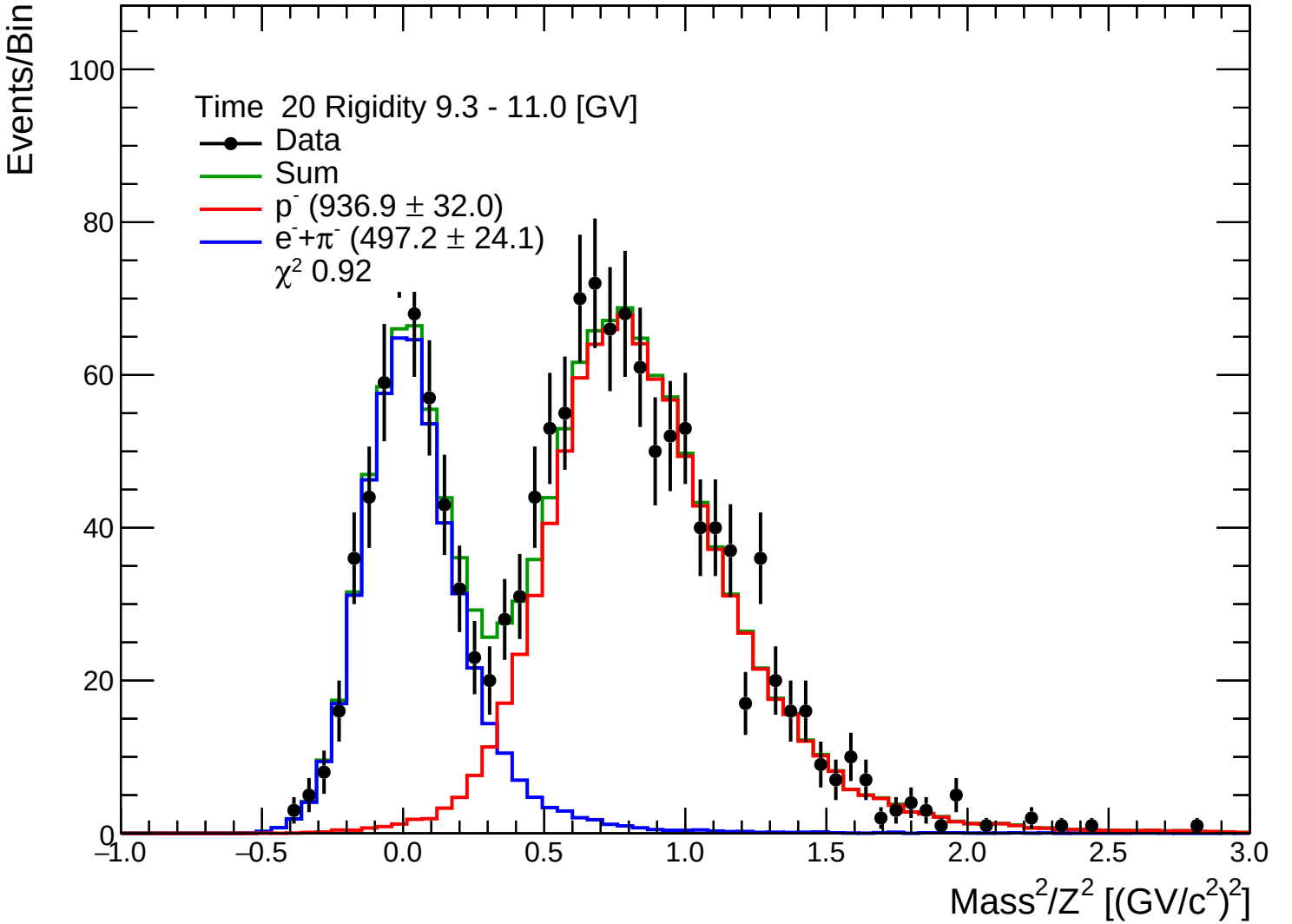

Events/Bin
400
350
300
250
200
150
100
50
0
980
985
990
995
1000
Number [Temp 0]

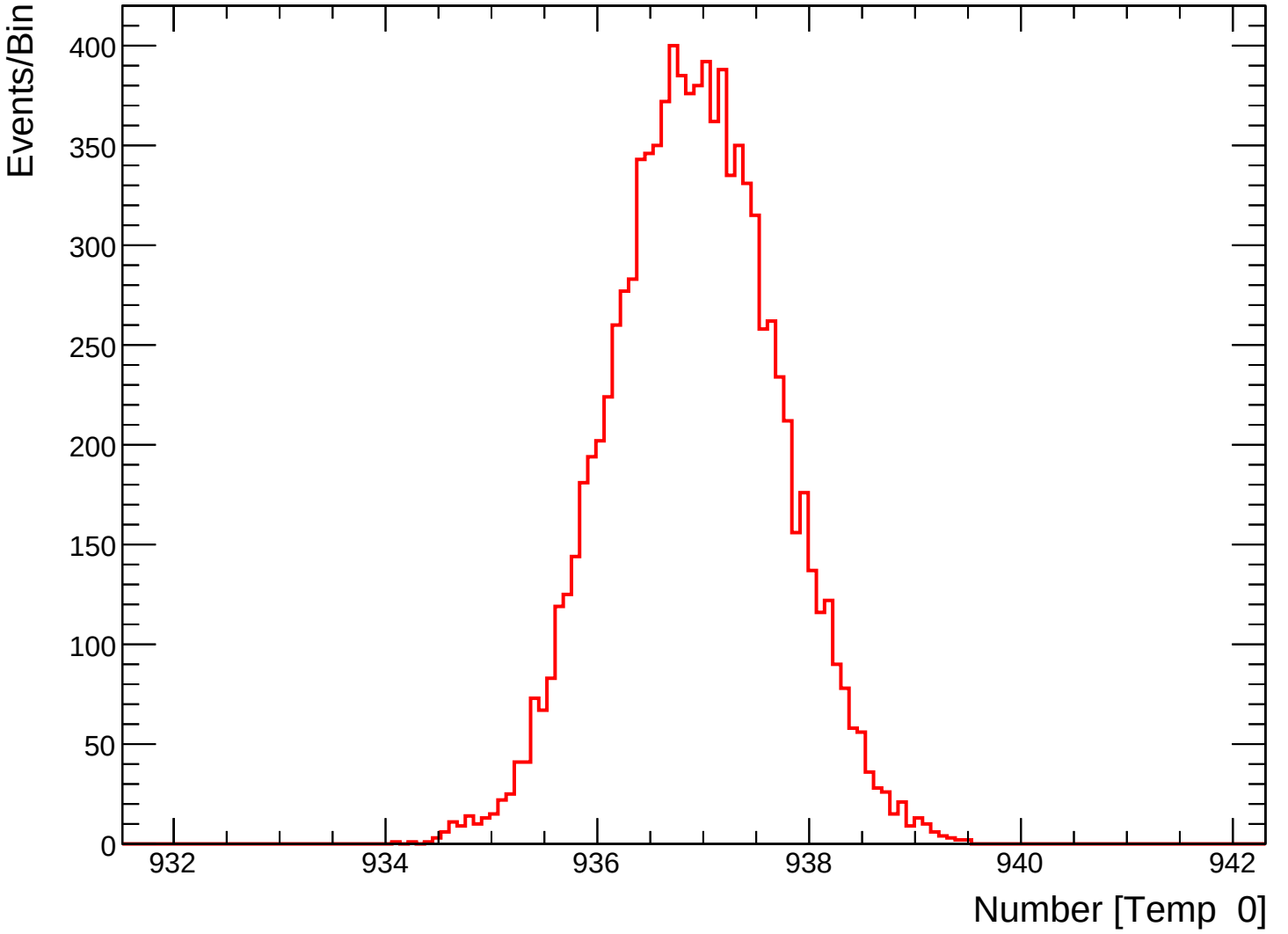

Time 20 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1078.6 ± 33.3)
e⁻+π⁻ (35.1± 7.1)
χ² 1.08
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

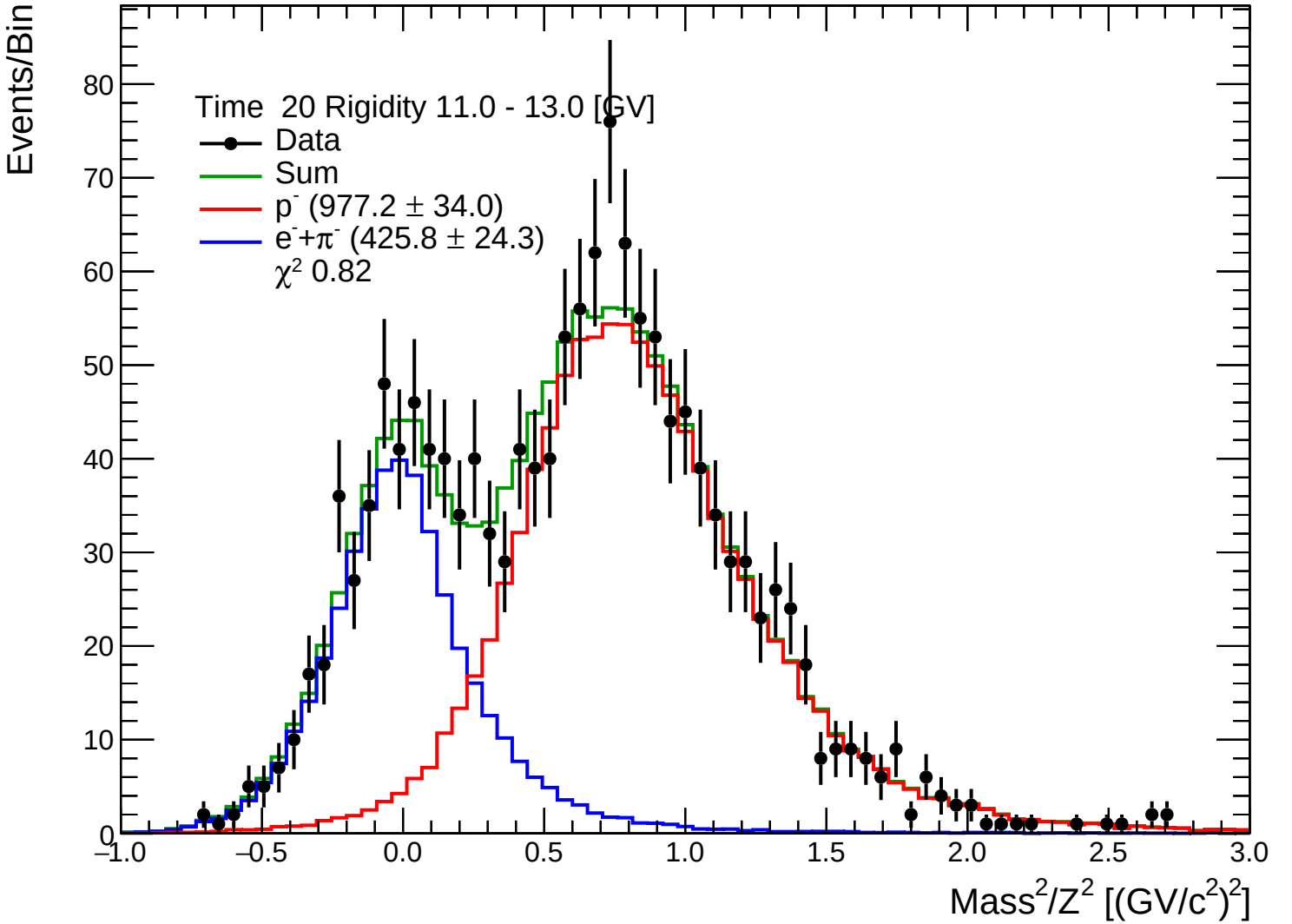

Events/Bin
400
350
300
250
200
150
100
50
0
1076
1077
1078
1079
1080
1081
Number [Temp 0]

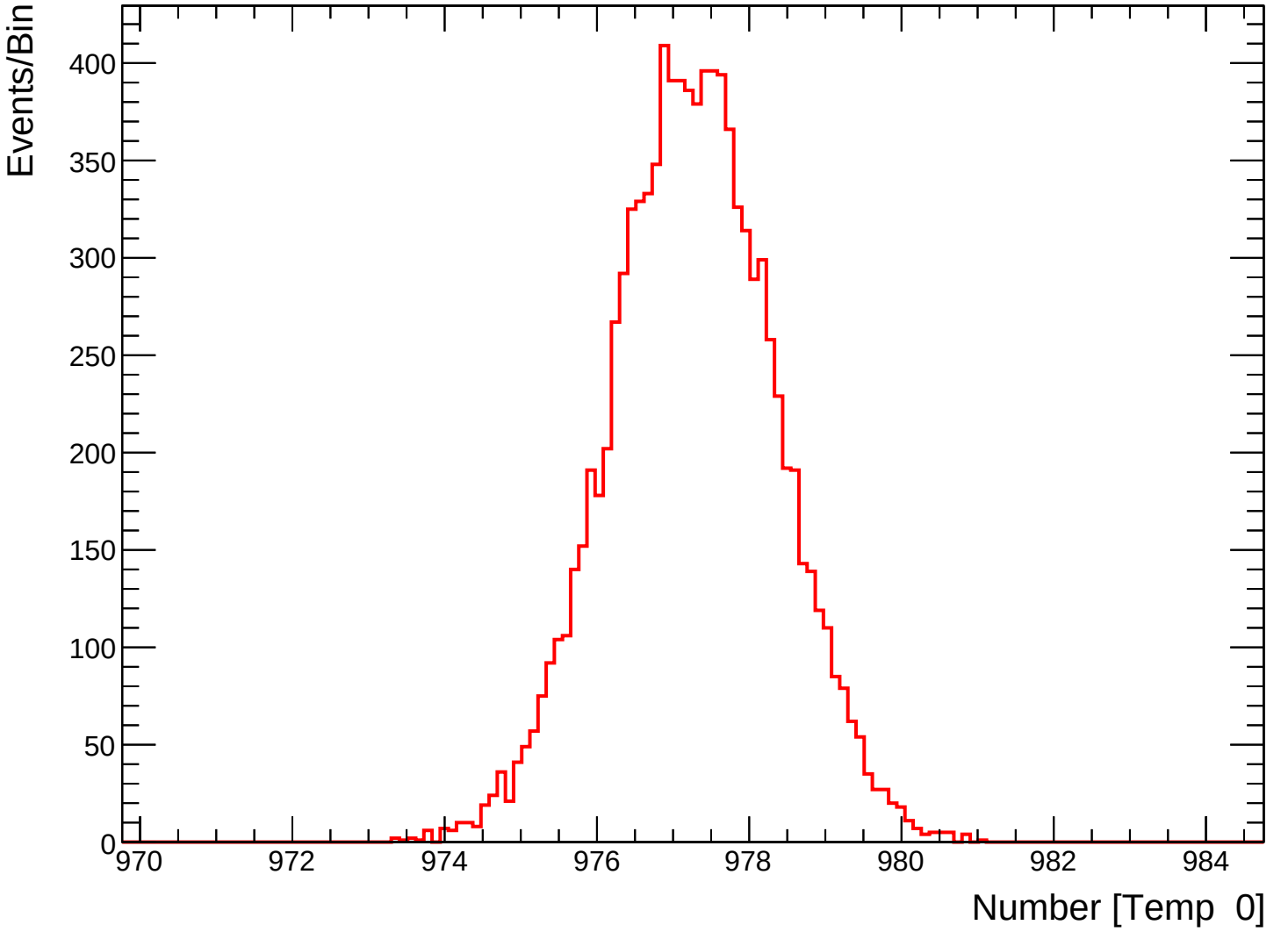

Time 20 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1106.5 ± 34.1)
e⁻+π⁻ (308.0 ± 18.8)
χ² 0.86
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

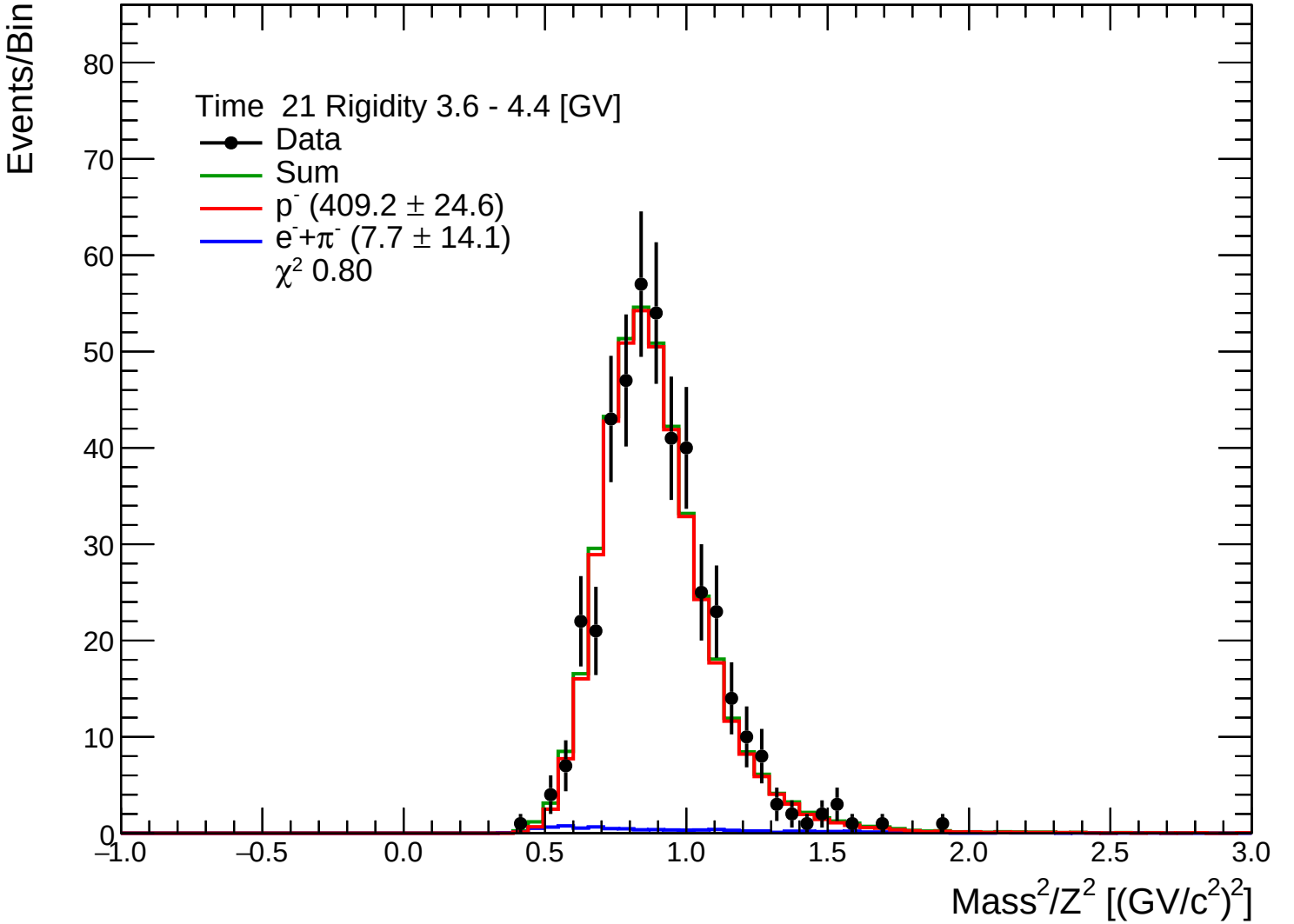

Events/Bin
400
350
300
250
200
150
100
50
0
1102
1103
1104
1105
1106
1107
1108
1109
1110
1111
Number [Temp 0]

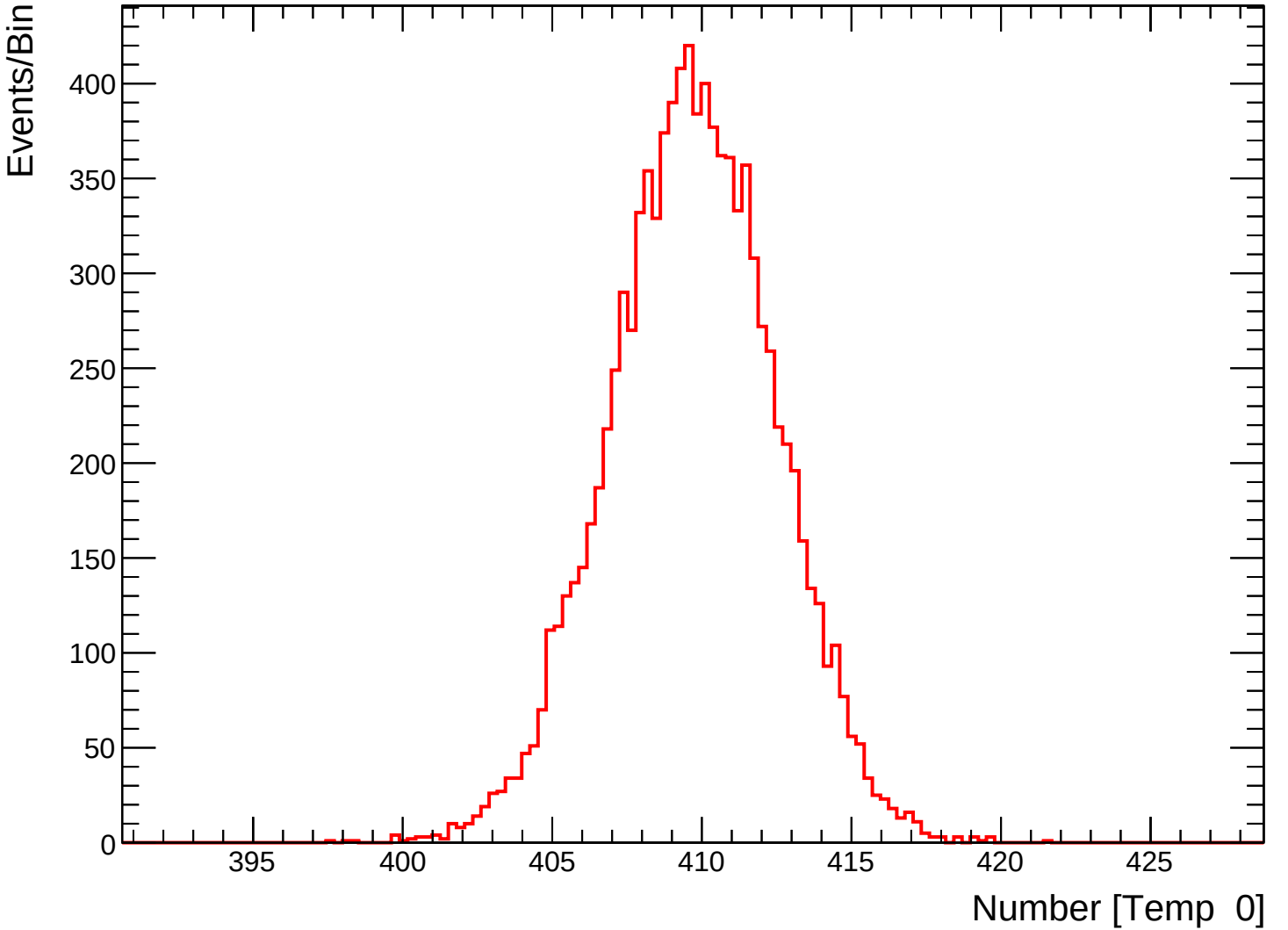

Events/Bin
Time 20 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (936.9 ± 32.0)
e⁻+π⁻ (497.2 ± 24.1)
χ² 0.92
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Mass²/Z² [(GV/c²)²]

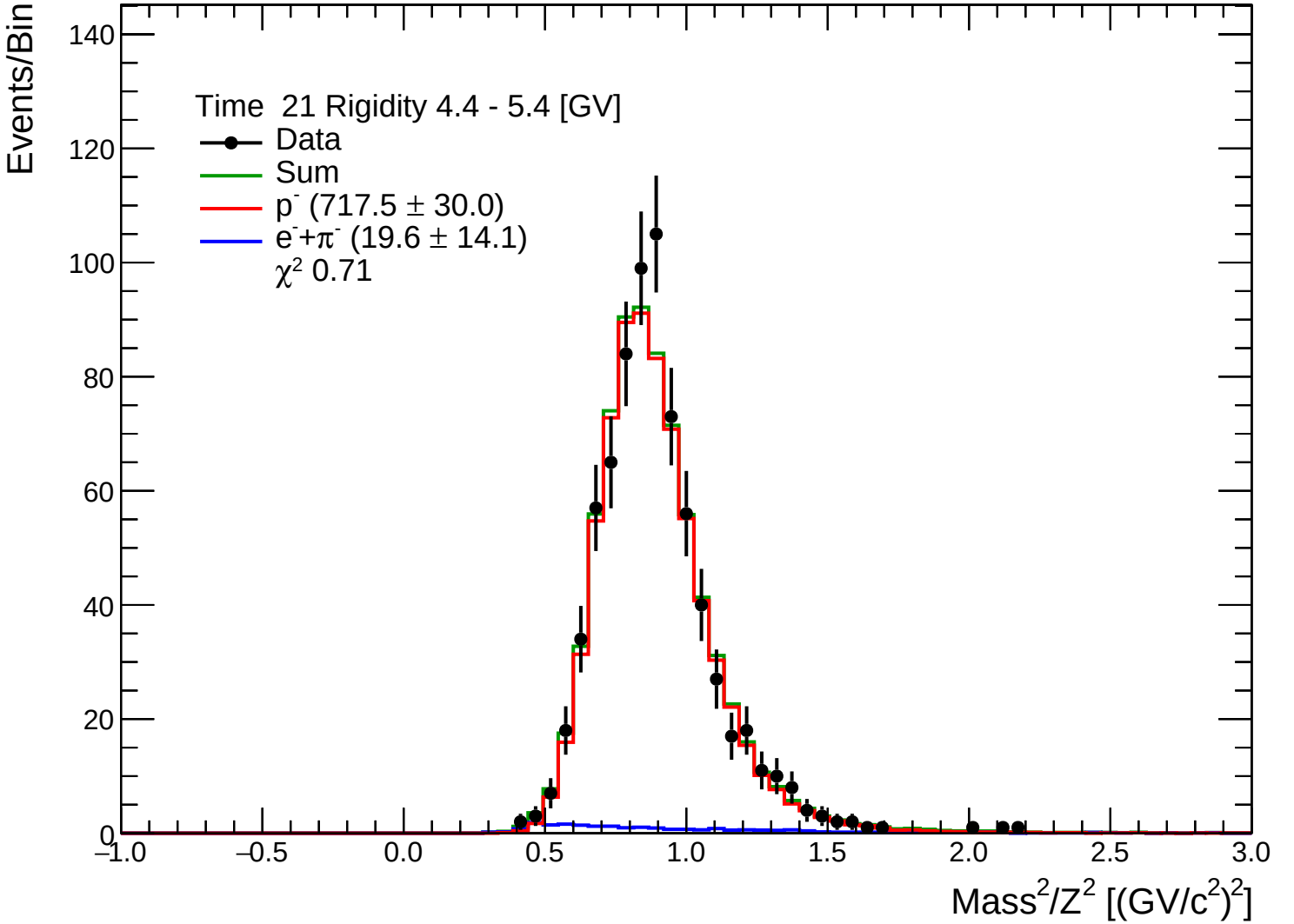

Events/Bin
400
350
300
250
200
150
100
50
0
932
934
936
938
940
942
Number [Temp 0]

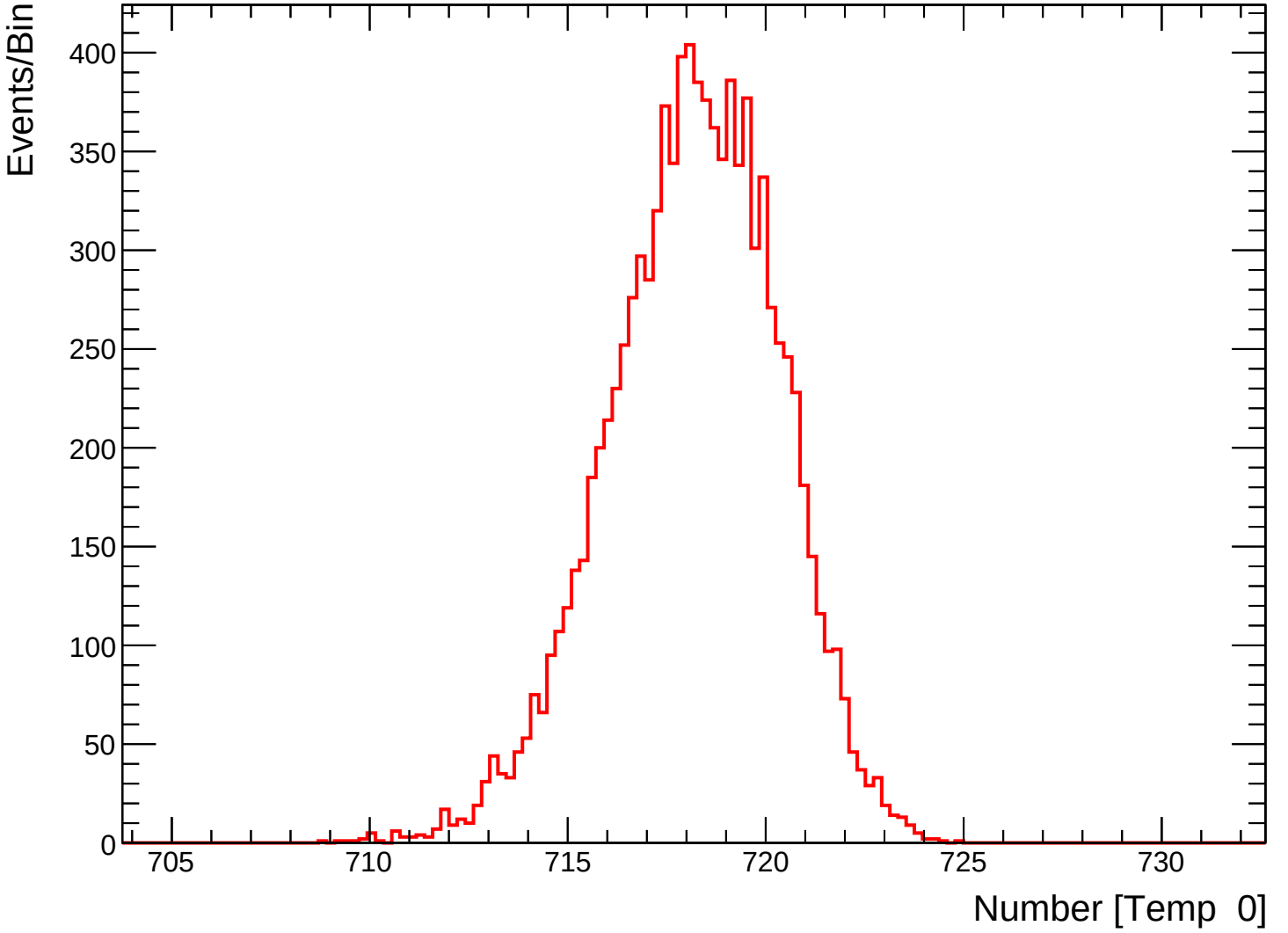

Time 20 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (977.2 ± 34.0)
e⁻+π⁻ (425.8 ± 24.3)
χ² 0.82
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

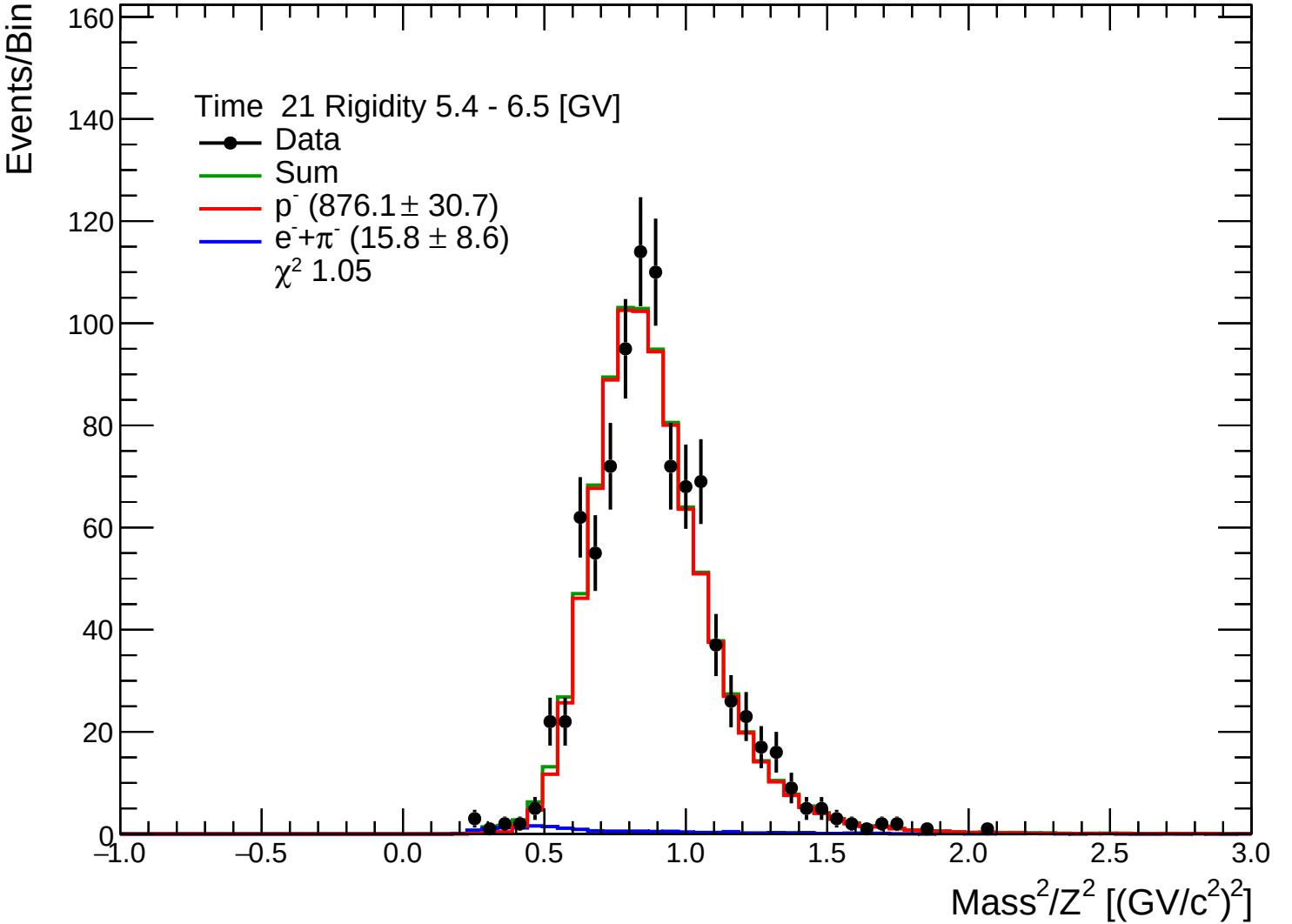

Events/Bin
400
350
300
250
200
150
100
50
0
970
972
974
976
978
980
982
984
Number [Temp 0]

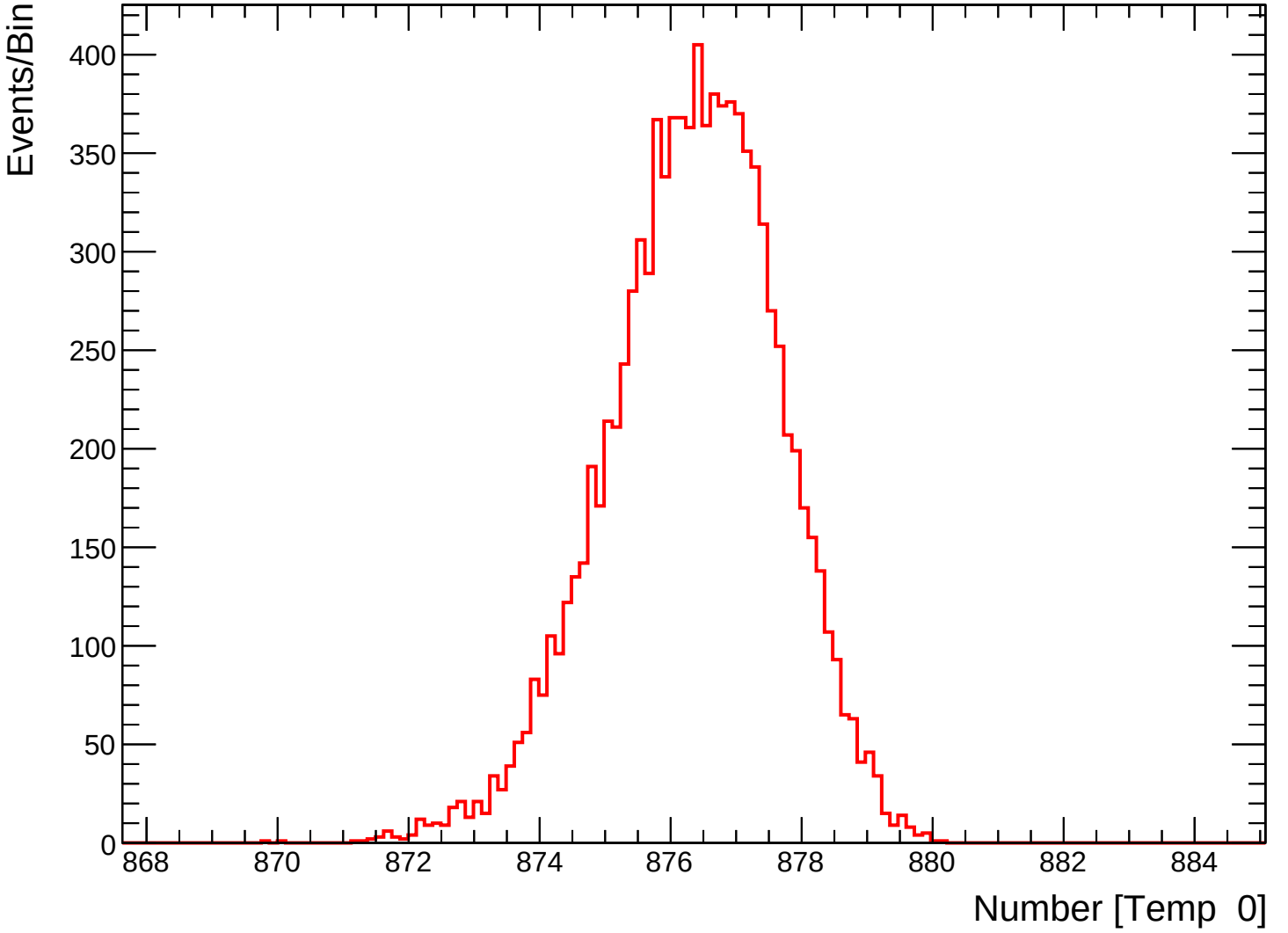

Time 21 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (409.2 ± 24.6)
e⁻+π⁻ (7.7 ± 14.1)
χ² 0.80
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

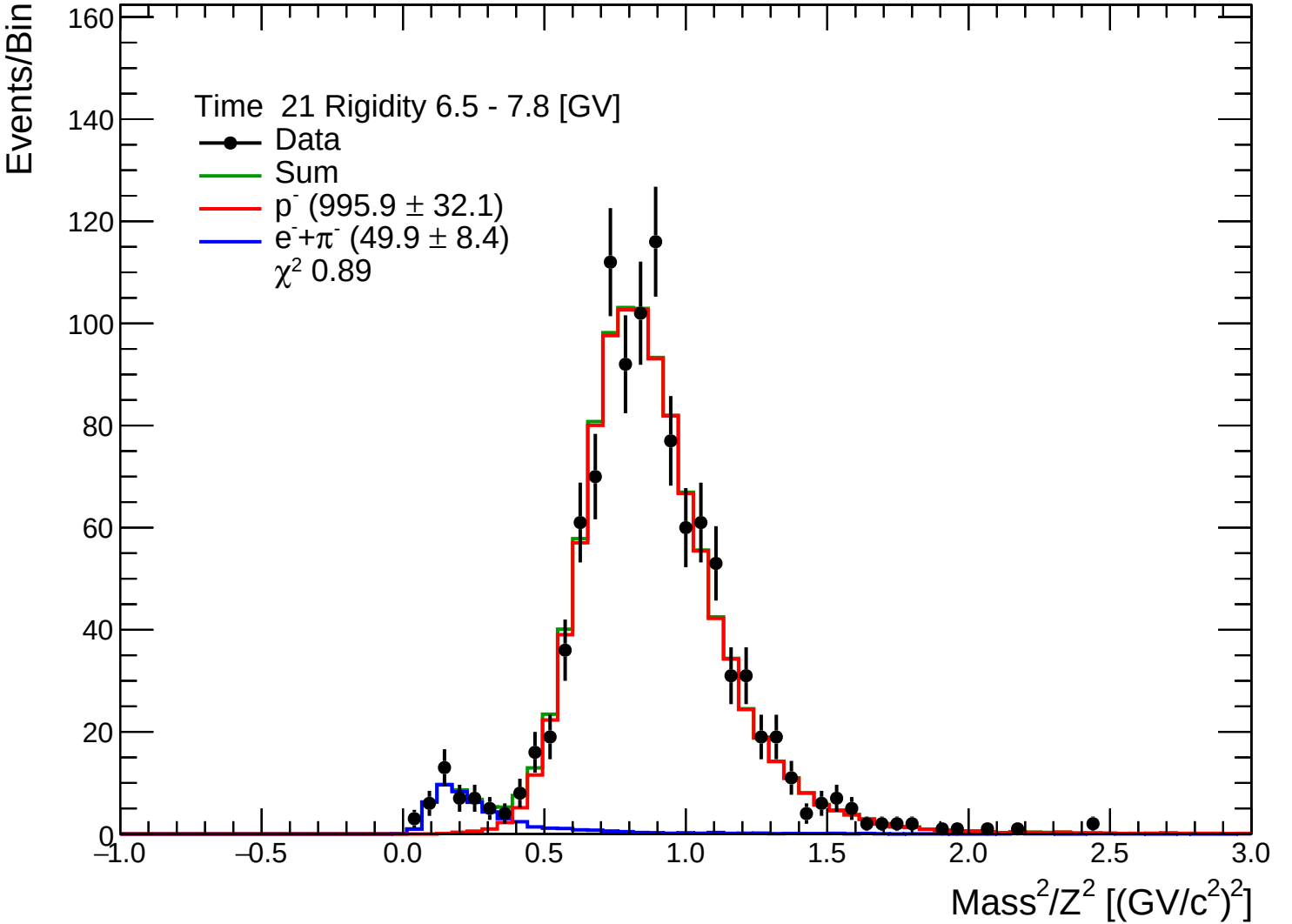

Events/Bin
400
350
300
250
200
150
100
50
0
395
400
405
410
415
420
425
Number [Temp 0]

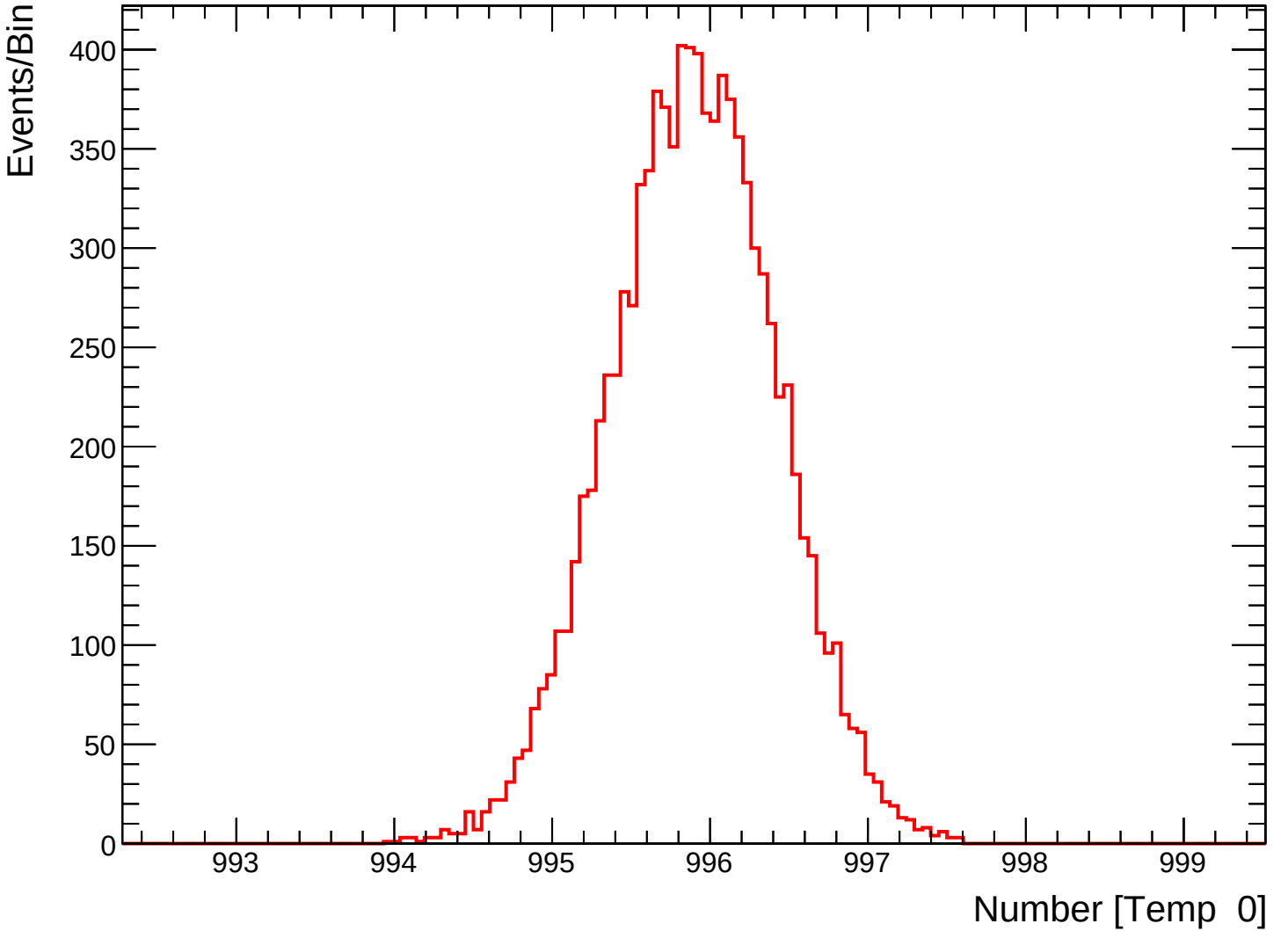

Time 21 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (717.5 ± 30.0)
e⁻+π⁻ (19.6 ± 14.1)
χ² 0.71
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

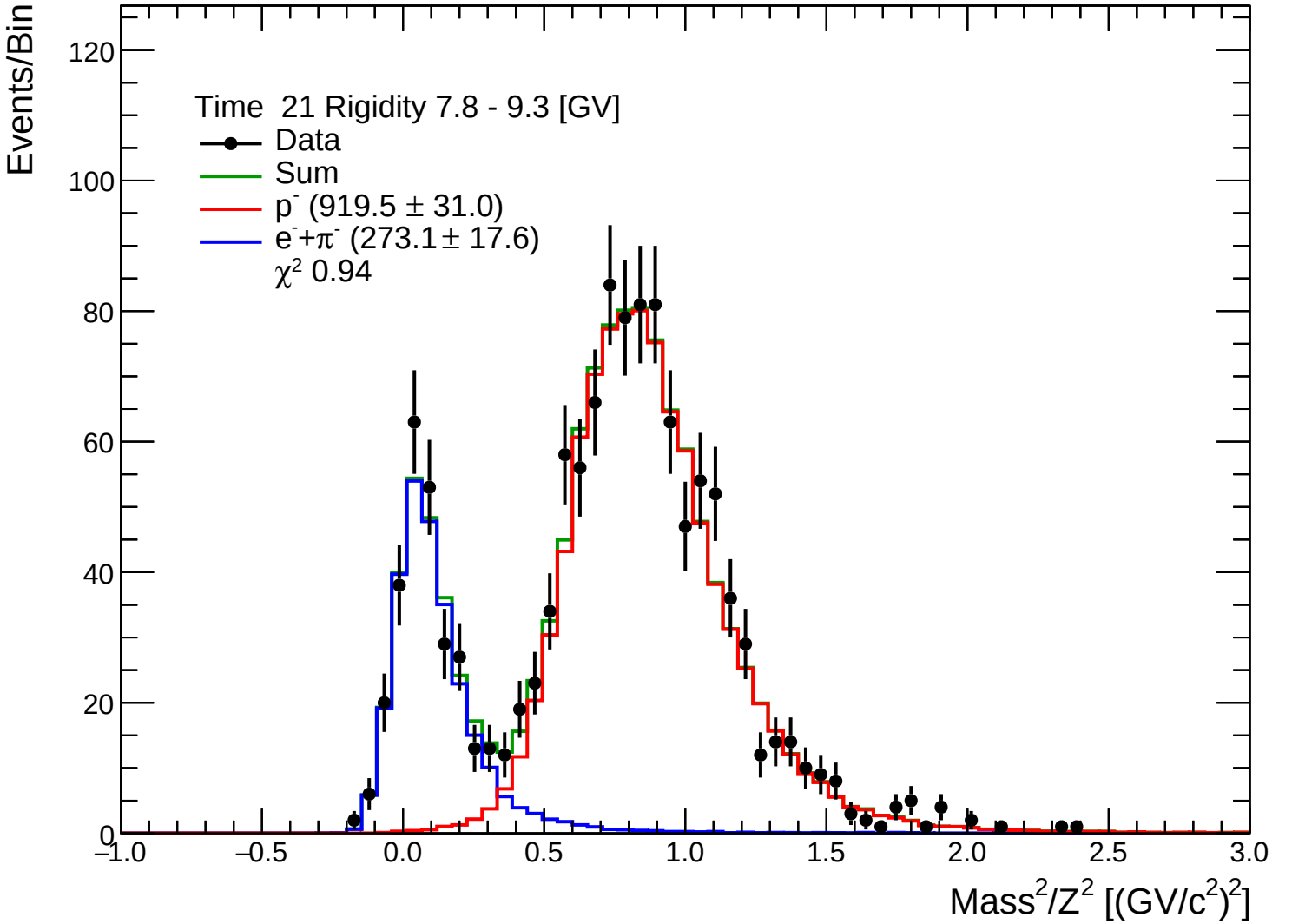

Events/Bin
400
350
300
250
200
150
100
50
0
705
710
715
720
725
730
Number [Temp 0]

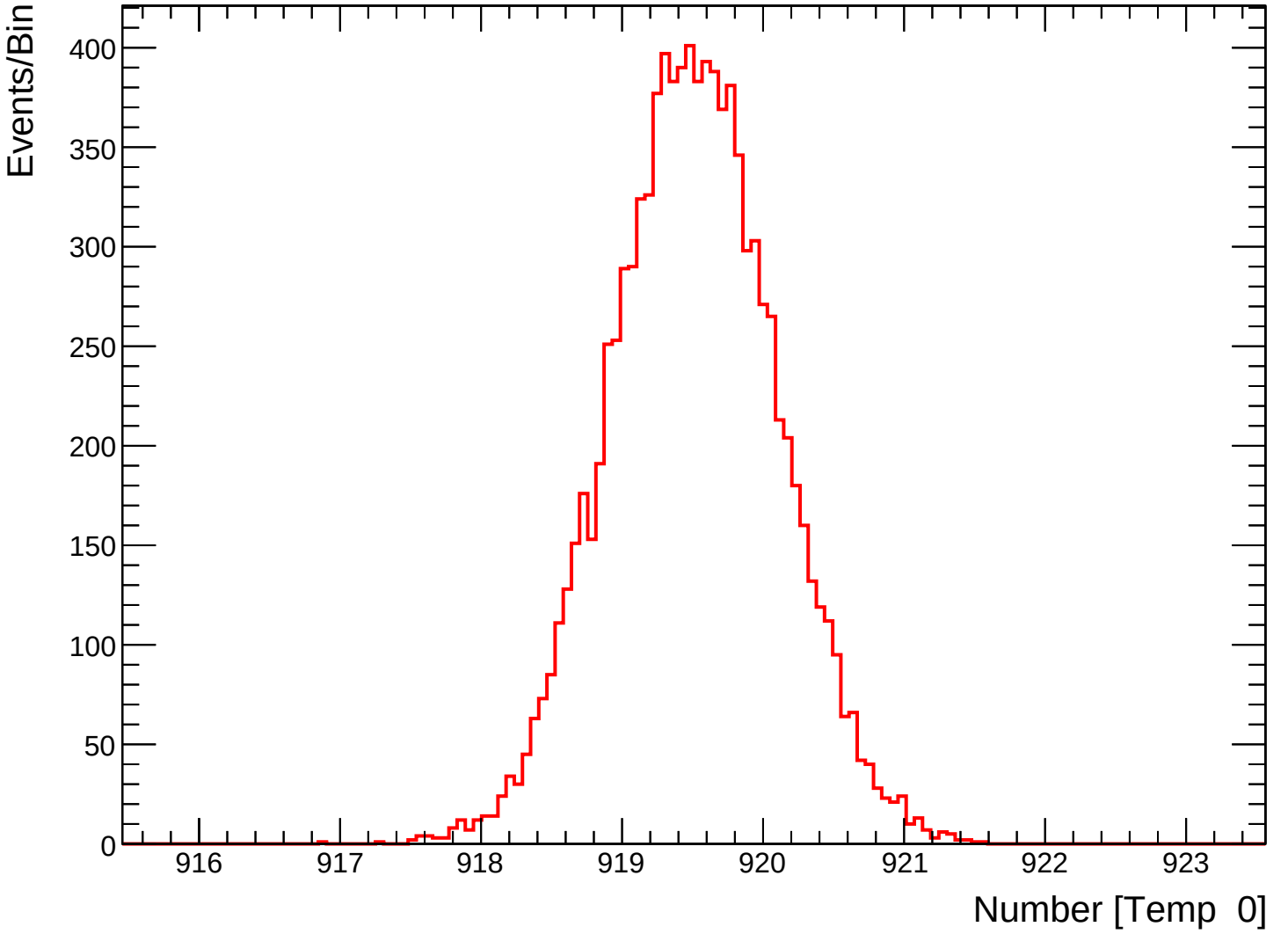

Time 21 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (876.1 ± 30.7)
e⁻+π⁻ (15.8 ± 8.6)
χ² 1.05
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

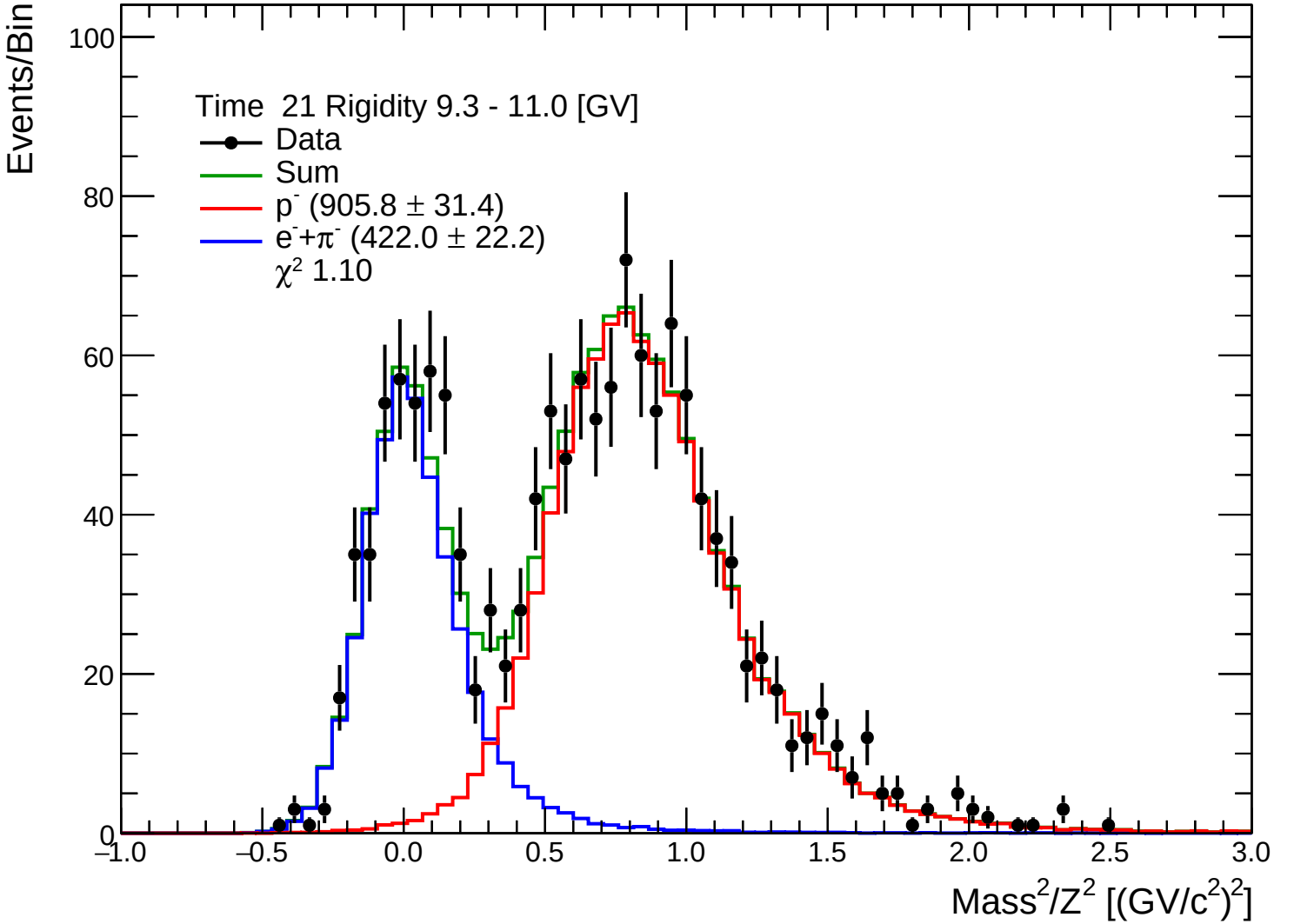

Events/Bin
400
350
300
250
200
150
100
50
0
868
870
872
874
876
878
880
882
884
Number [Temp 0]

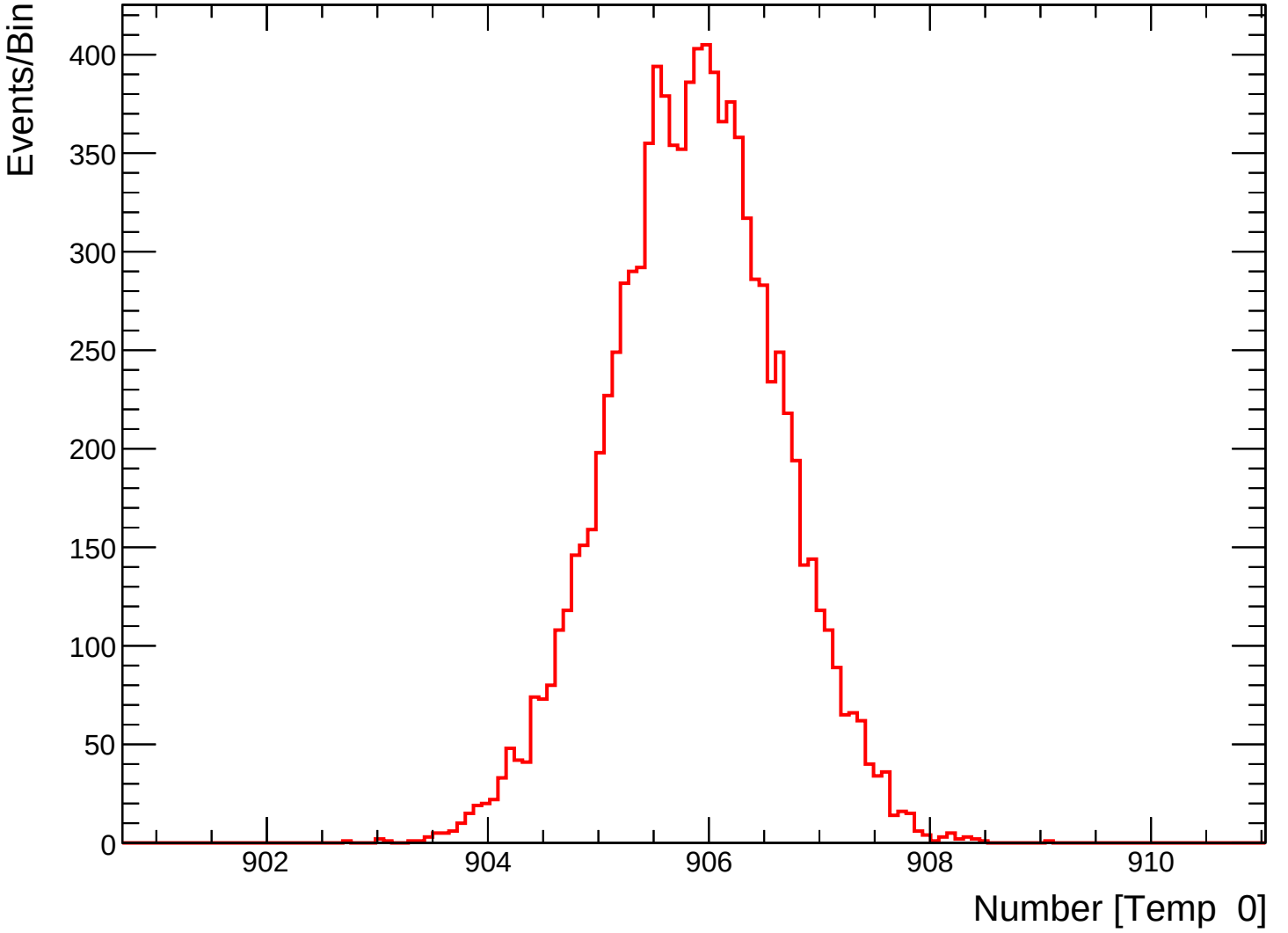

Time 21 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (995.9 ± 32.1)
e⁻+π⁻ (49.9 ± 8.4)
χ² 0.89
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

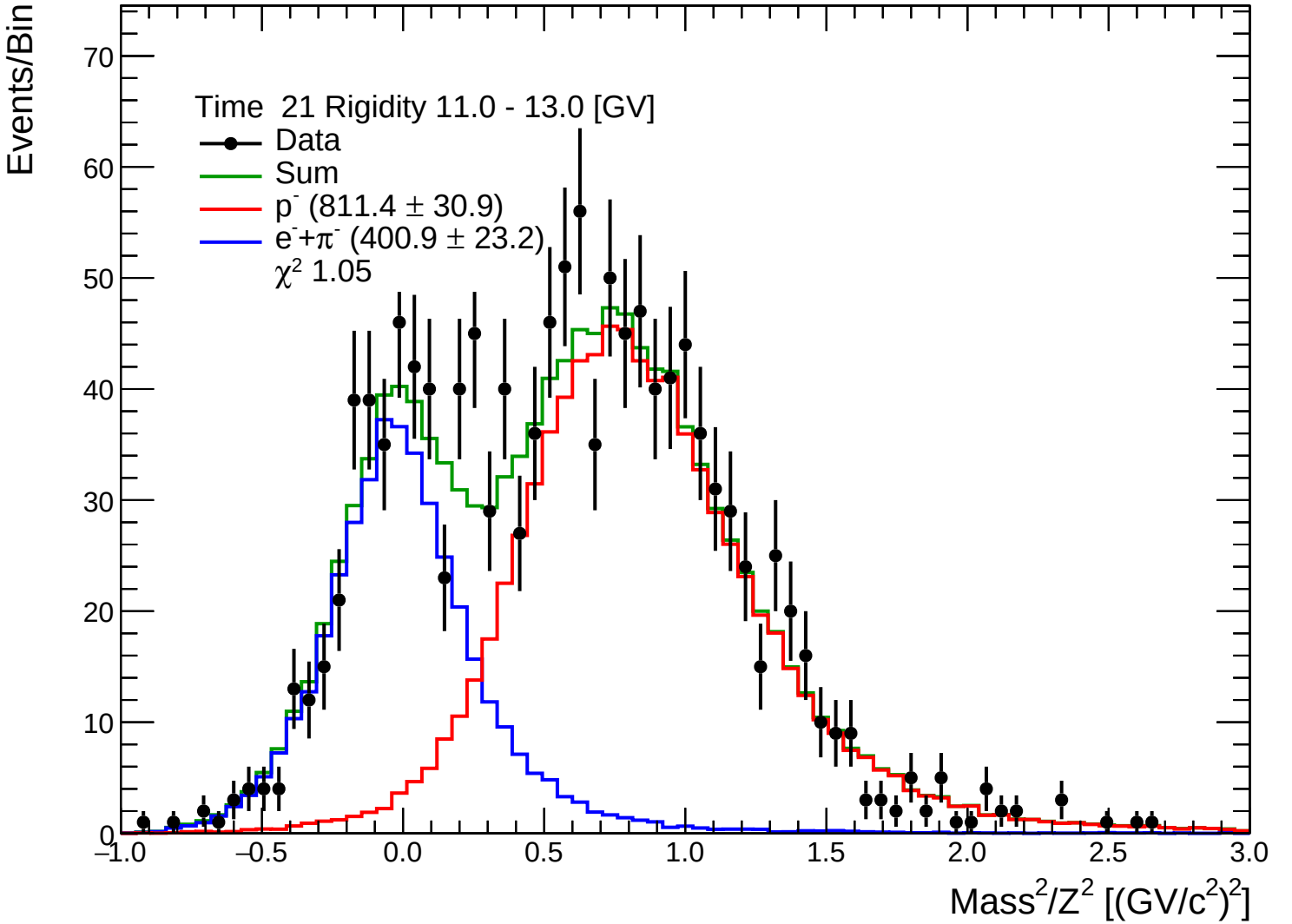

Events/Bin
400
350
300
250
200
150
100
50
0
993
994
995
996
997
998
999
Number [Temp 0]

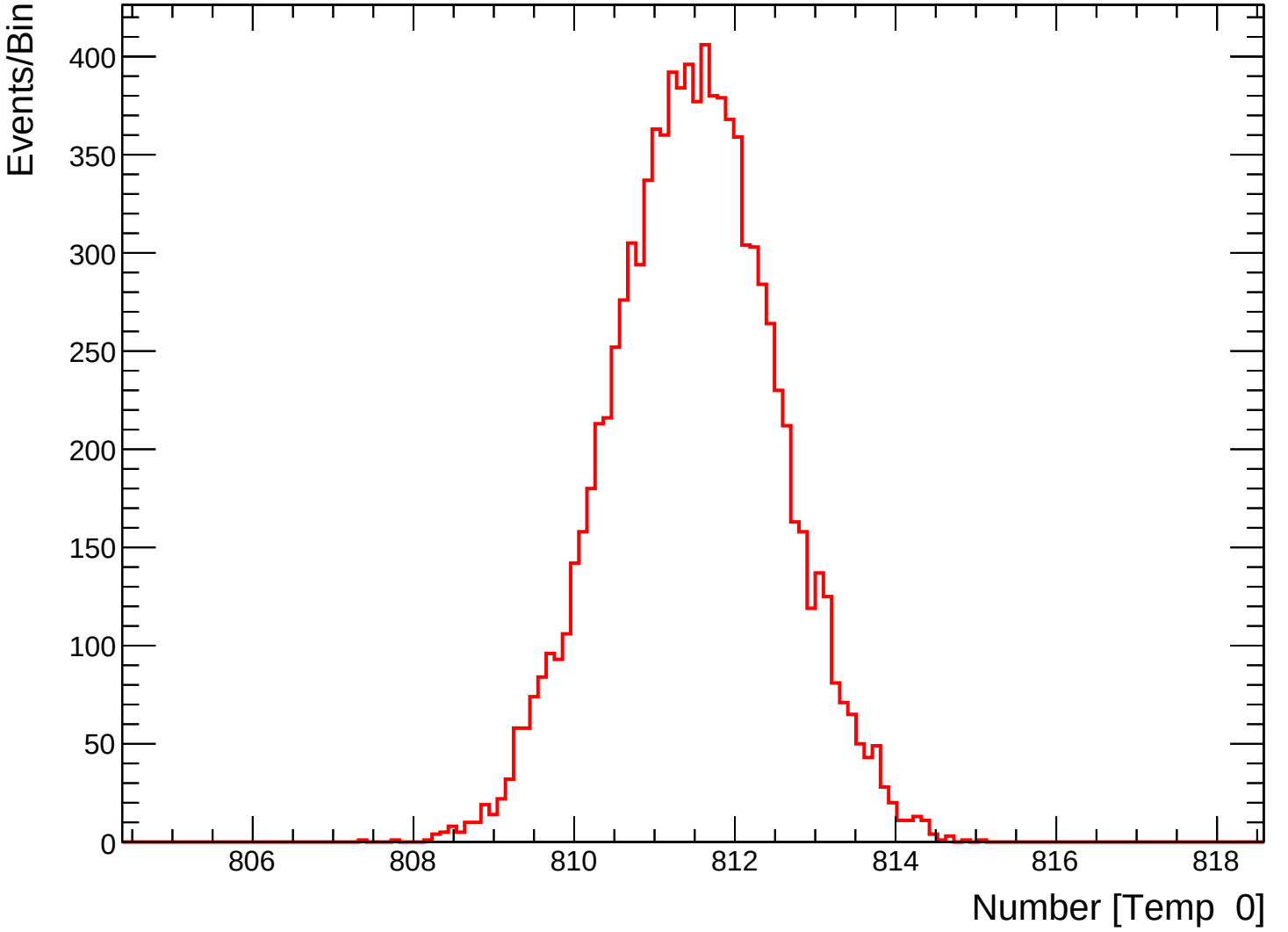

Time 21 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (919.5 ± 31.0)
e⁻+π⁻ (273.1 ± 17.6)
χ² 0.94
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

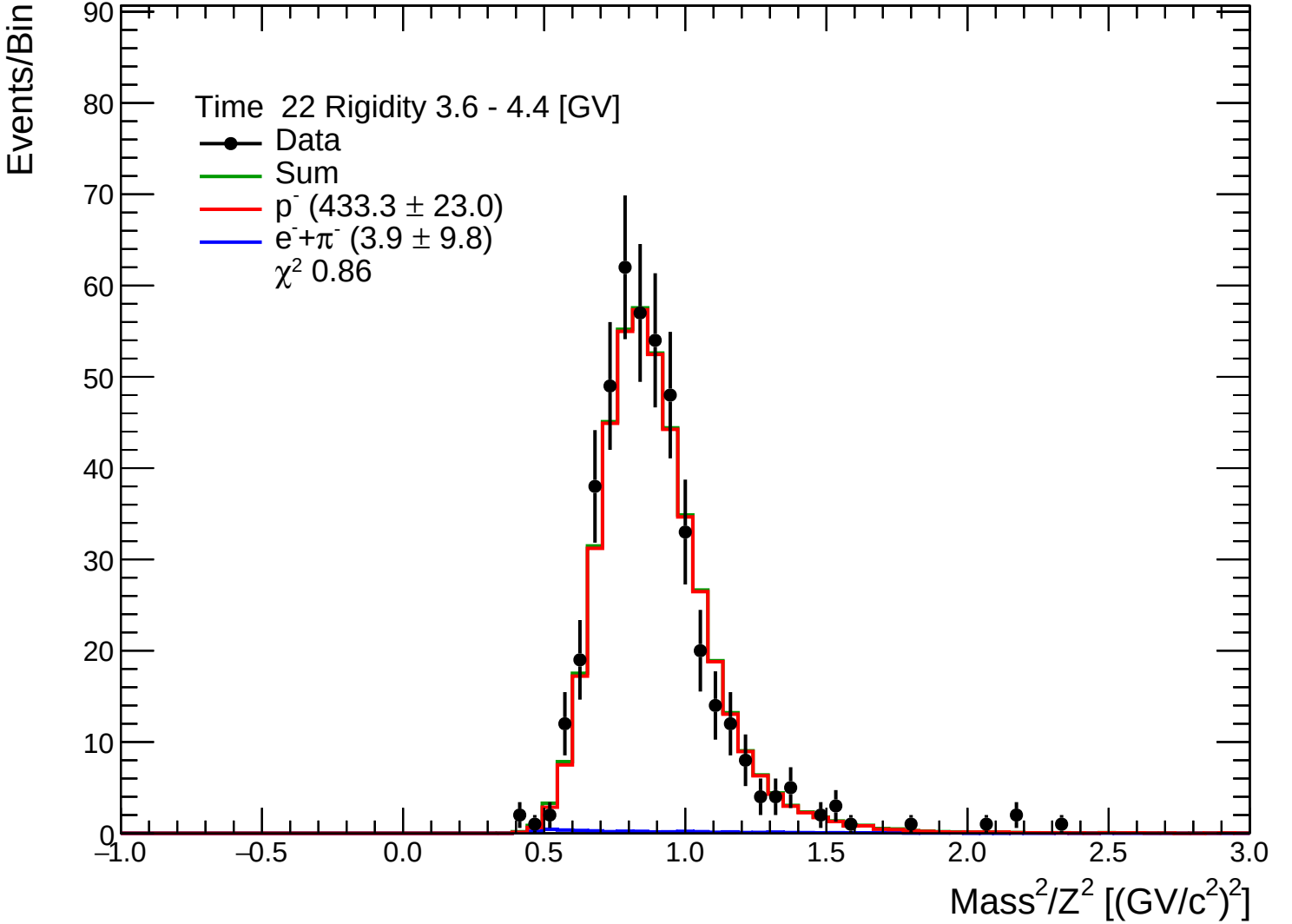

Events/Bin
400
350
300
250
200
150
100
50
0
916
917
918
919
920
921
922
923
Number [Temp 0]

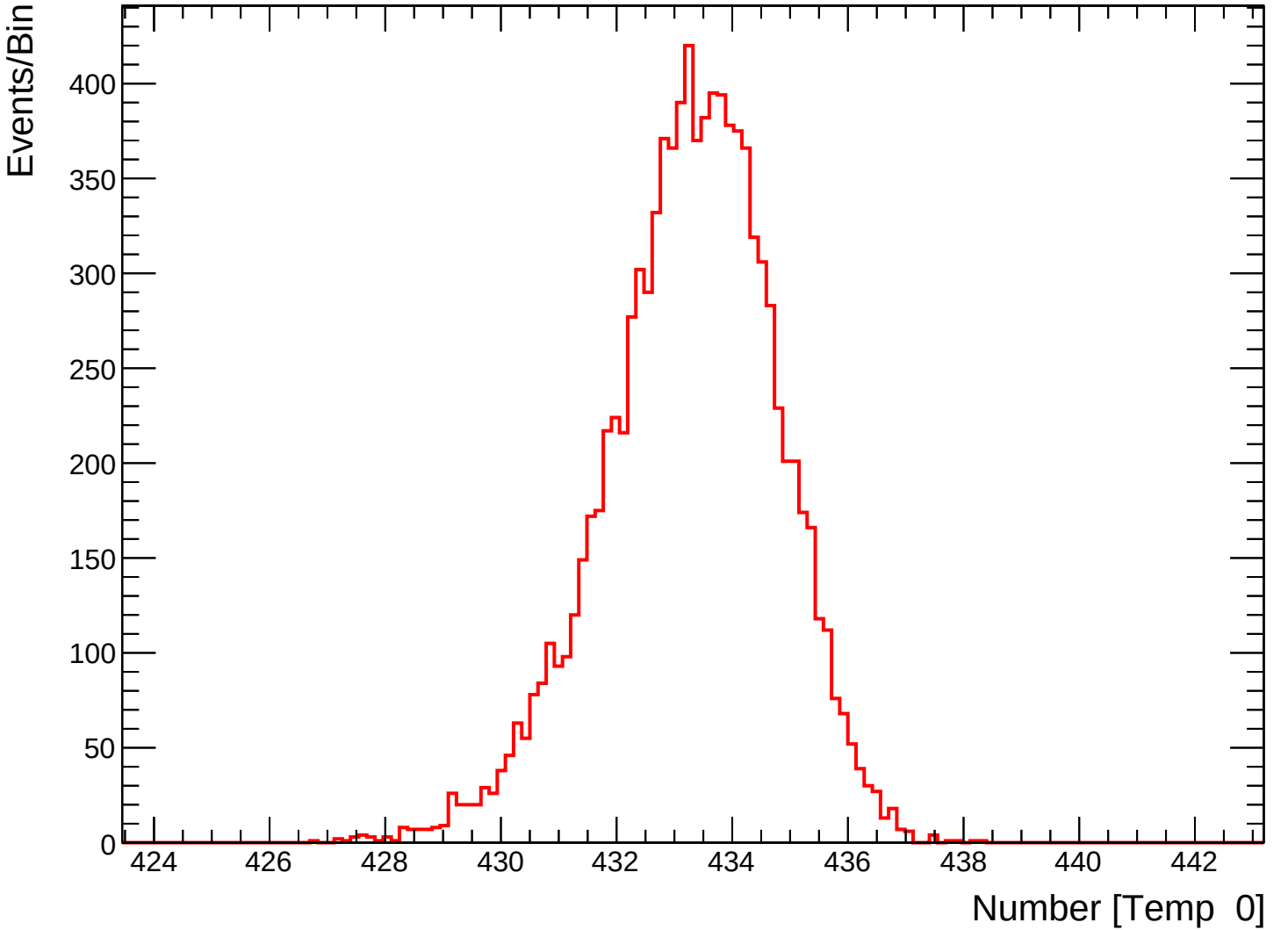

Time 21 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (905.8 ± 31.4)
e⁻+π⁻ (422.0 ± 22.2)
χ² 1.10
Events/Bin
Mass²/Z² [(GV/c²)²]
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

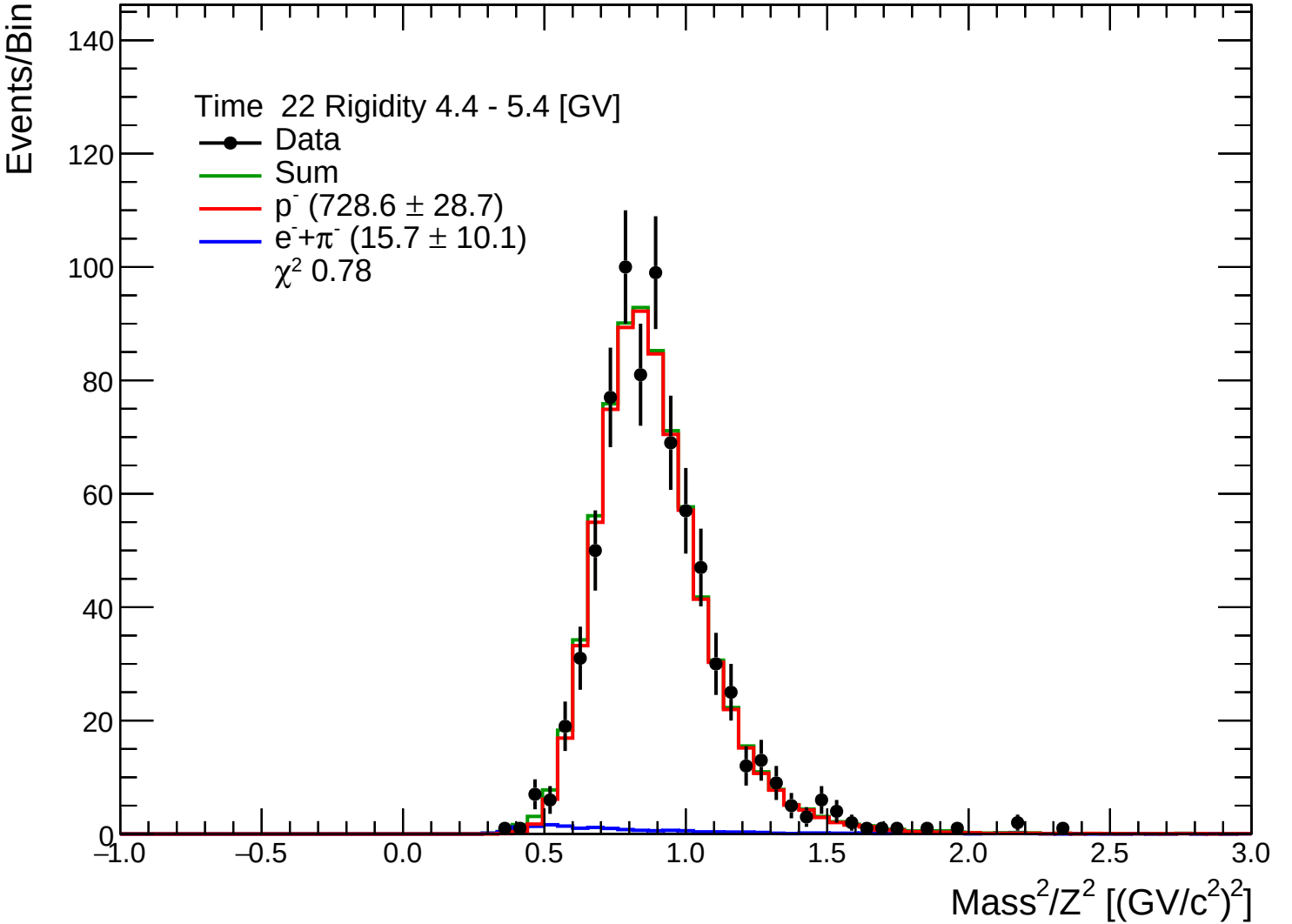

Events/Bin
400
350
300
250
200
150
100
50
0
902
904
906
908
910
Number [Temp 0]

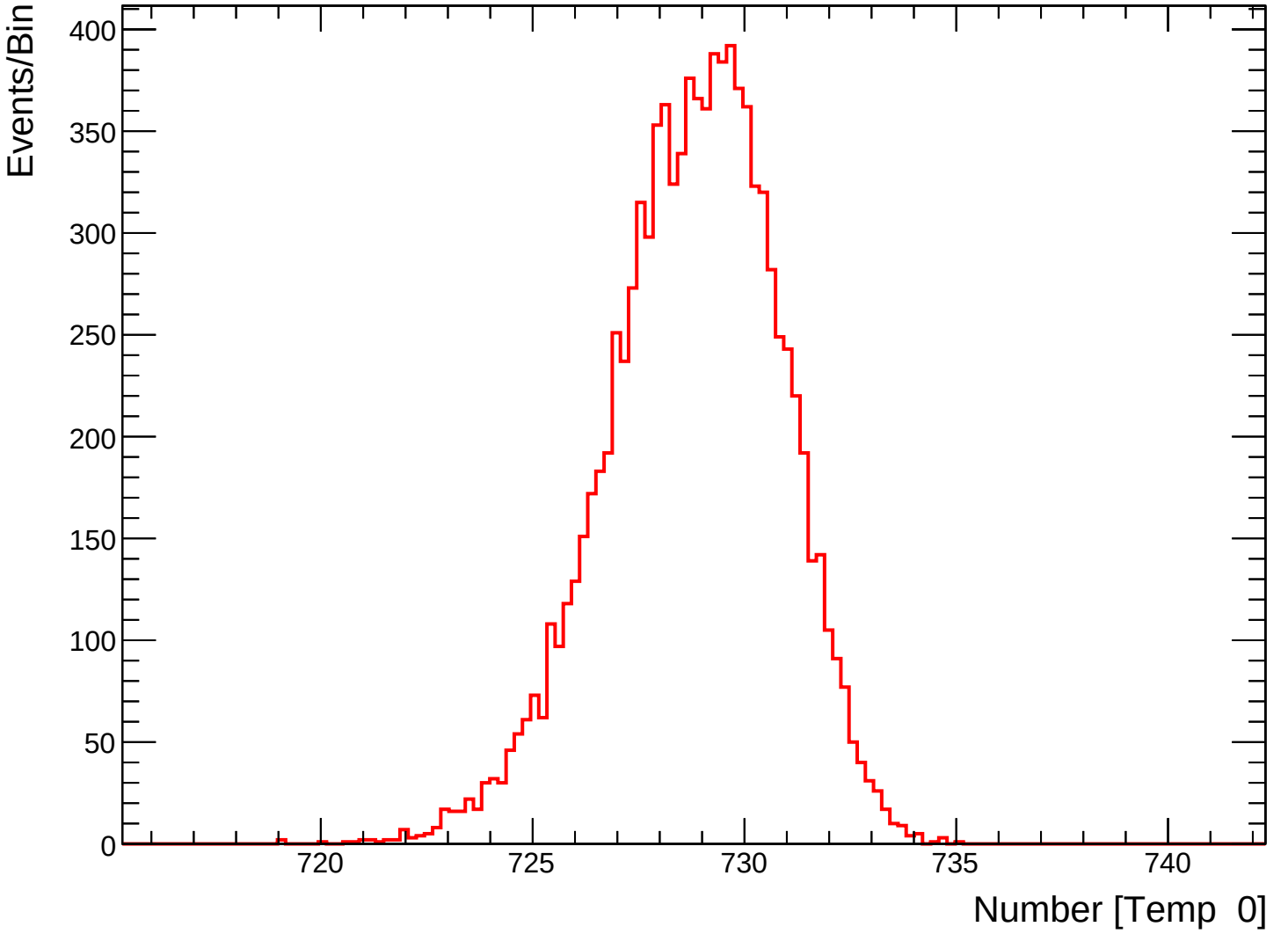

Time 21 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (811.4 ± 30.9)
e⁻+π⁻ (400.9 ± 23.2)
χ² 1.05
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

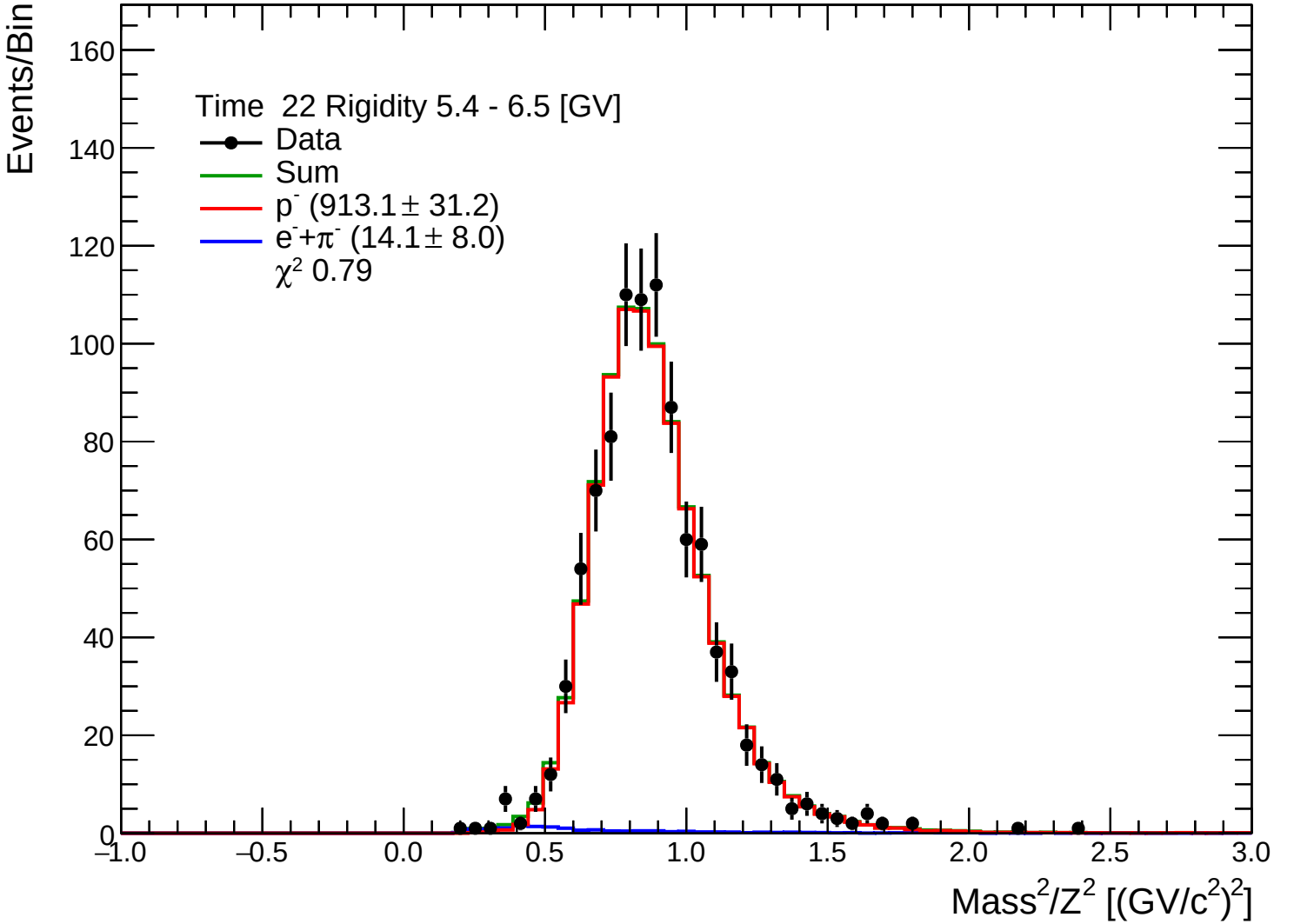

Events/Bin
400
350
300
250
200
150
100
50
0
806
808
810
812
814
816
818
Number [Temp 0]

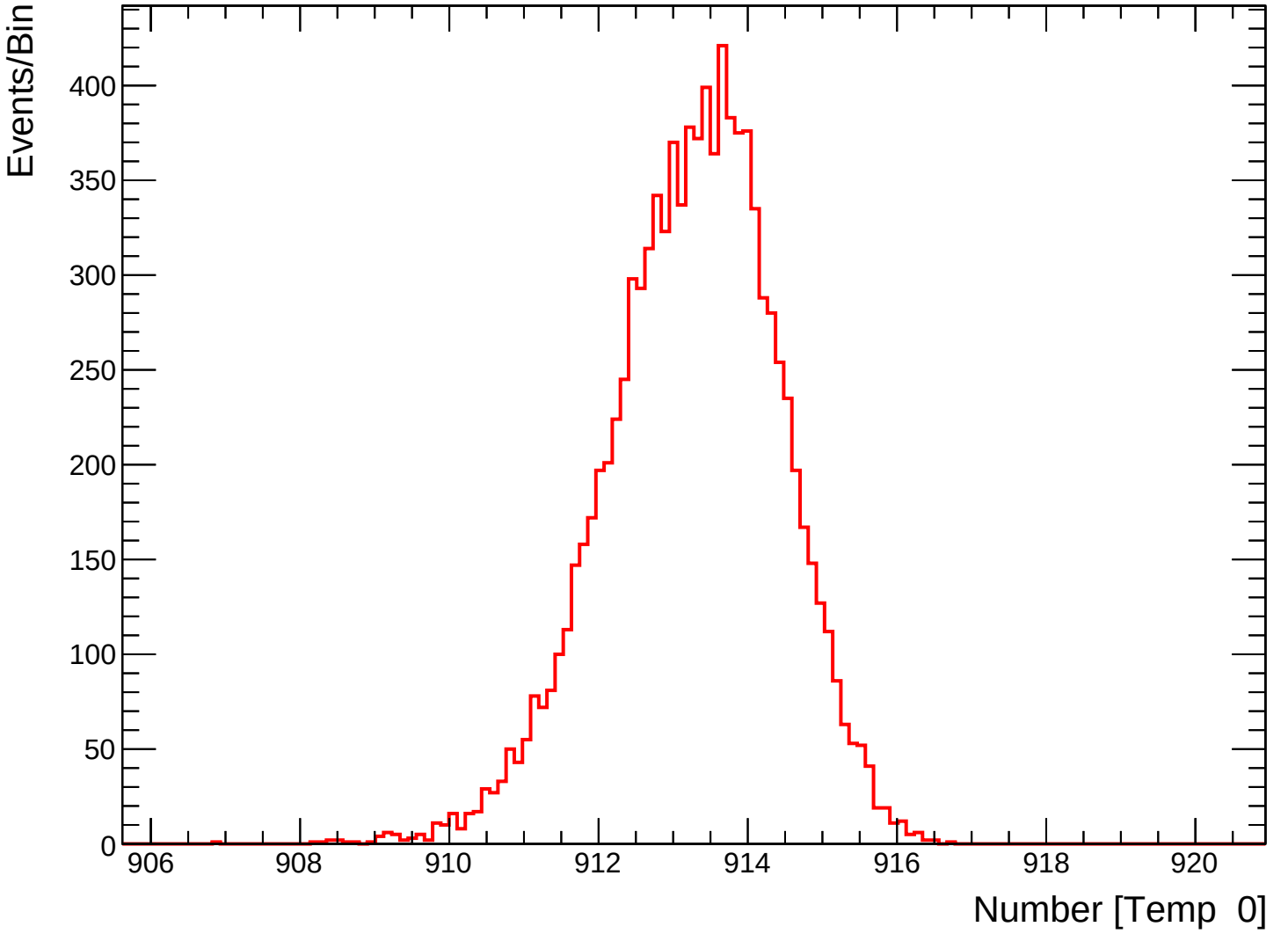

Time 22 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (433.3 ± 23.0)
e⁻+π⁻ (3.9 ± 9.8)
χ² 0.86
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

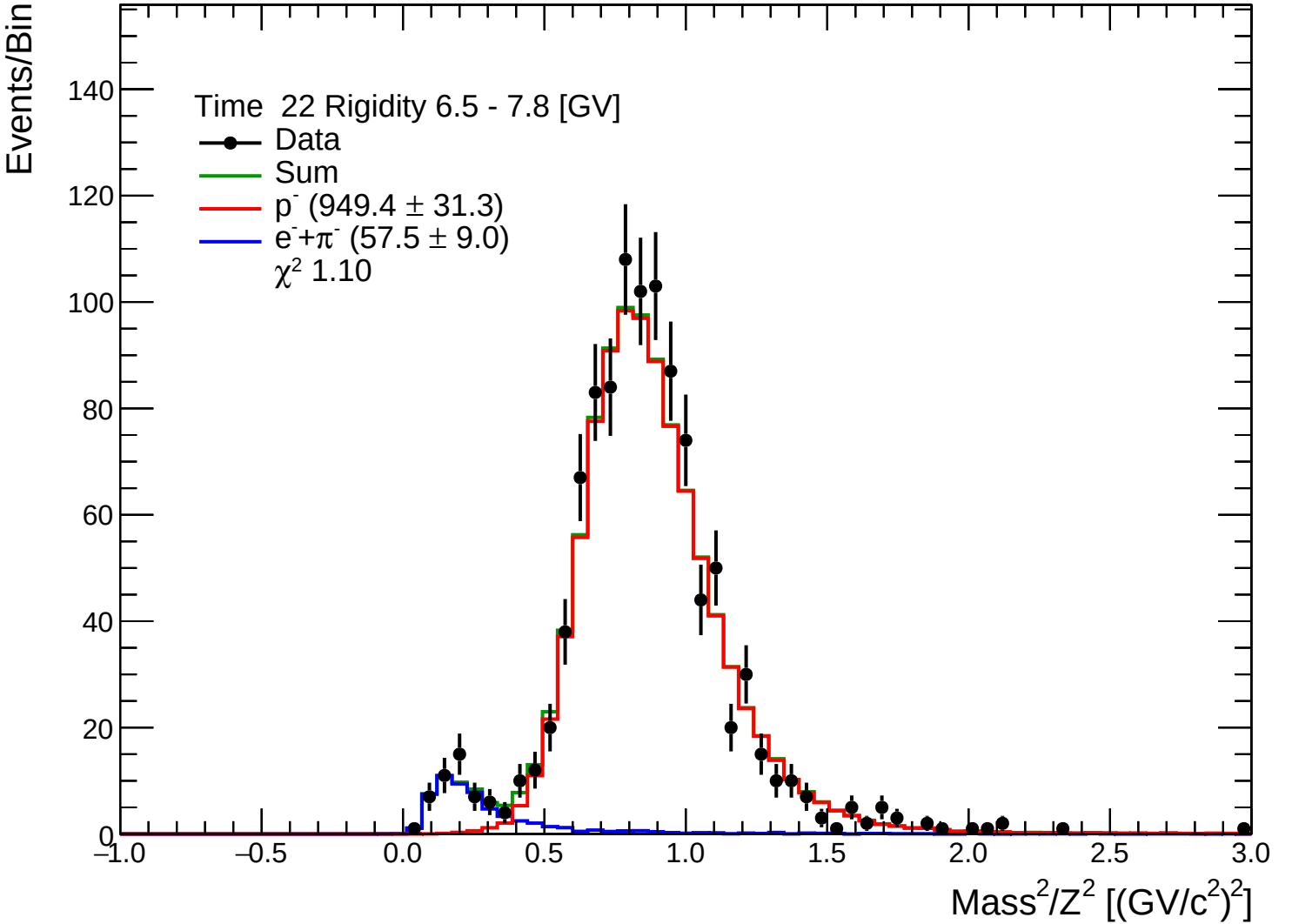

Events/Bin
400
350
300
250
200
150
100
50
0
424
426
428
430
432
434
436
438
440
442
Number [Temp 0]

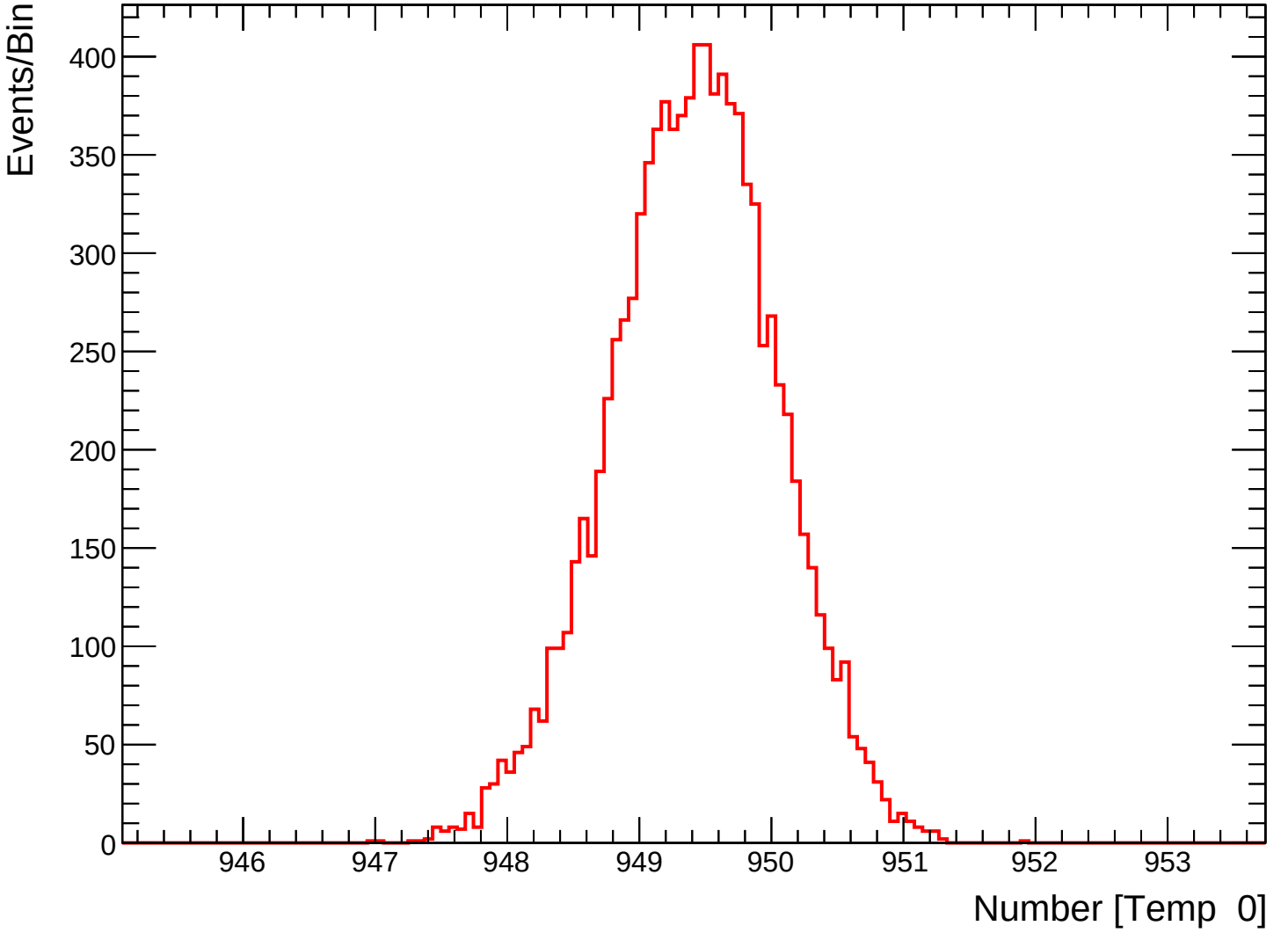

Time 22 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (728.6 ± 28.7)
e⁻+π⁻ (15.7 ± 10.1)
χ² 0.78
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

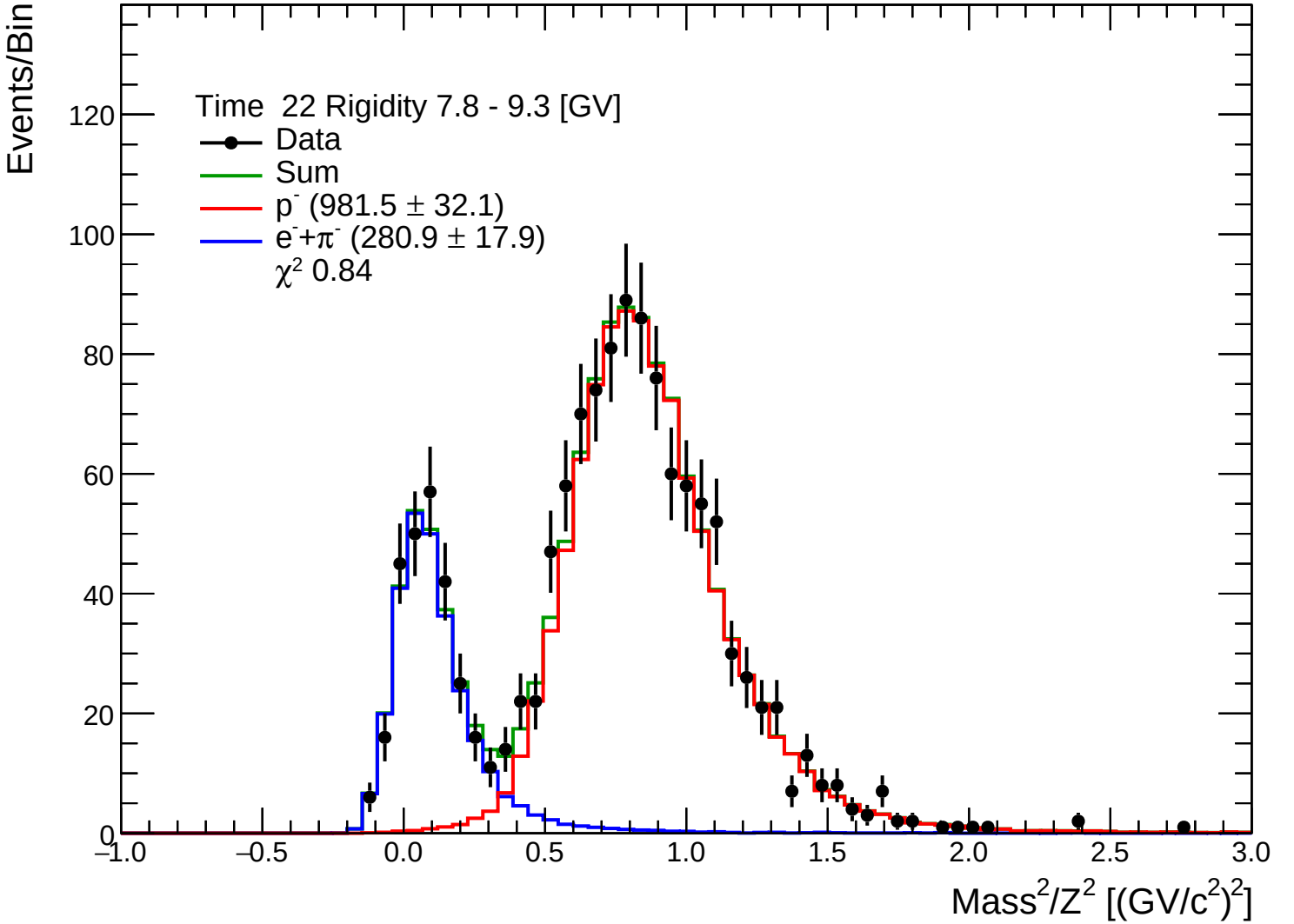

Events/Bin
400
350
300
250
200
150
100
50
0
720
725
730
735
740
Number [Temp 0]

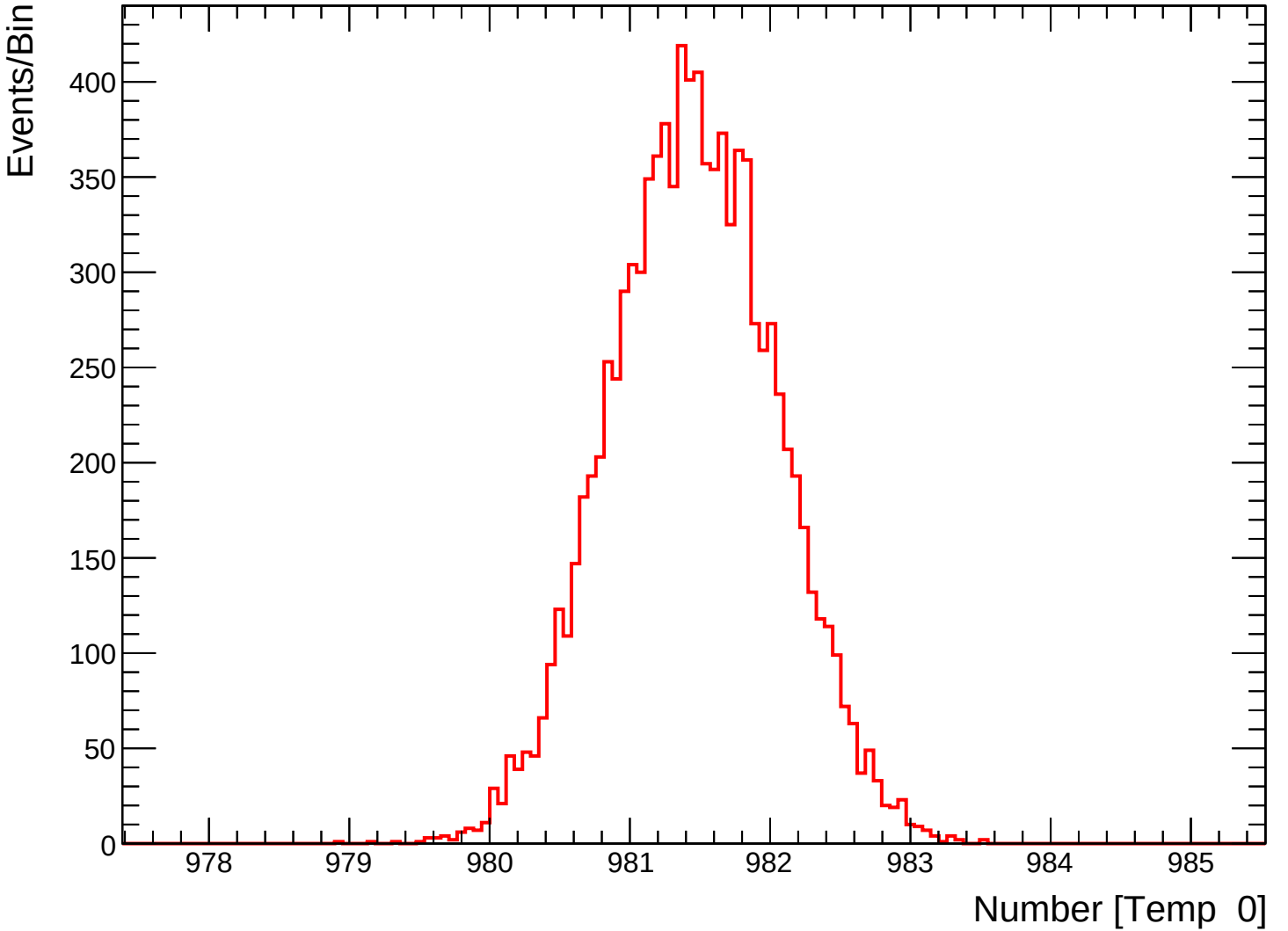

Time 22 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (913.1 ± 31.2)
e⁻+π⁻ (14.1 ± 8.0)
χ² 0.79
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

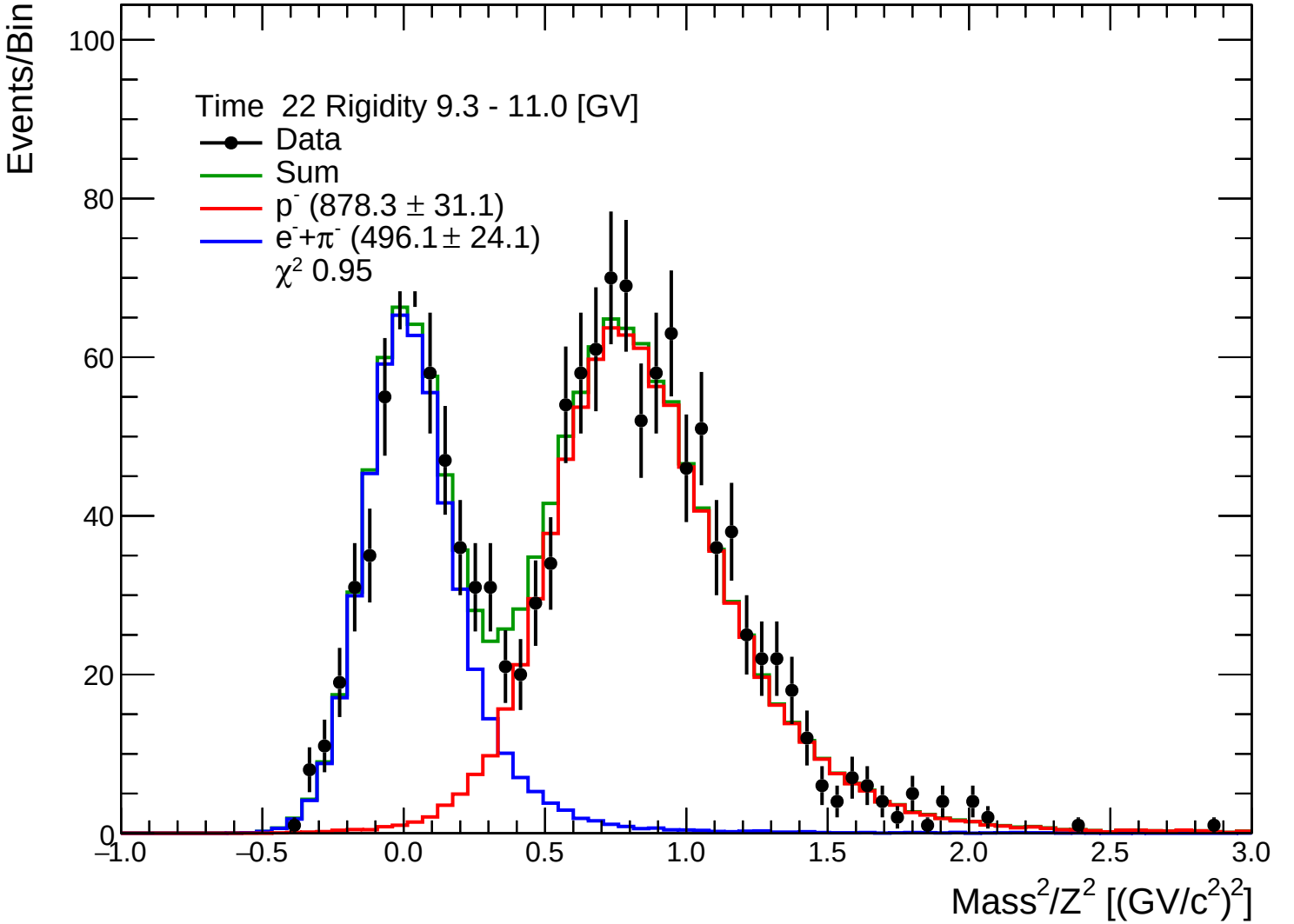

Events/Bin
400
350
300
250
200
150
100
50
0
906
908
910
912
914
916
918
920
Number [Temp 0]

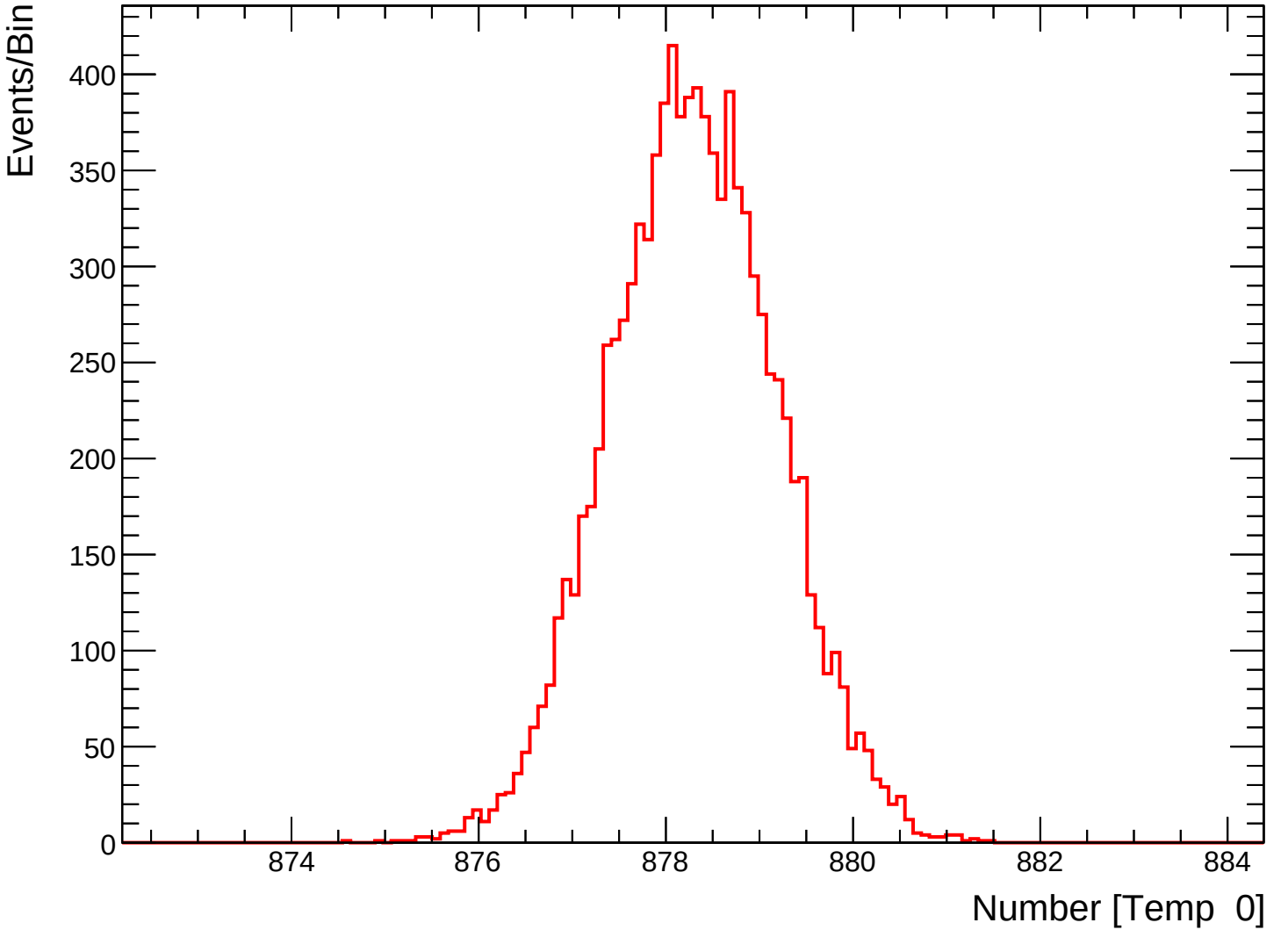

Time 22 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (949.4 ± 31.3)
e⁻+π⁻ (57.5 ± 9.0)
χ² 1.10
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

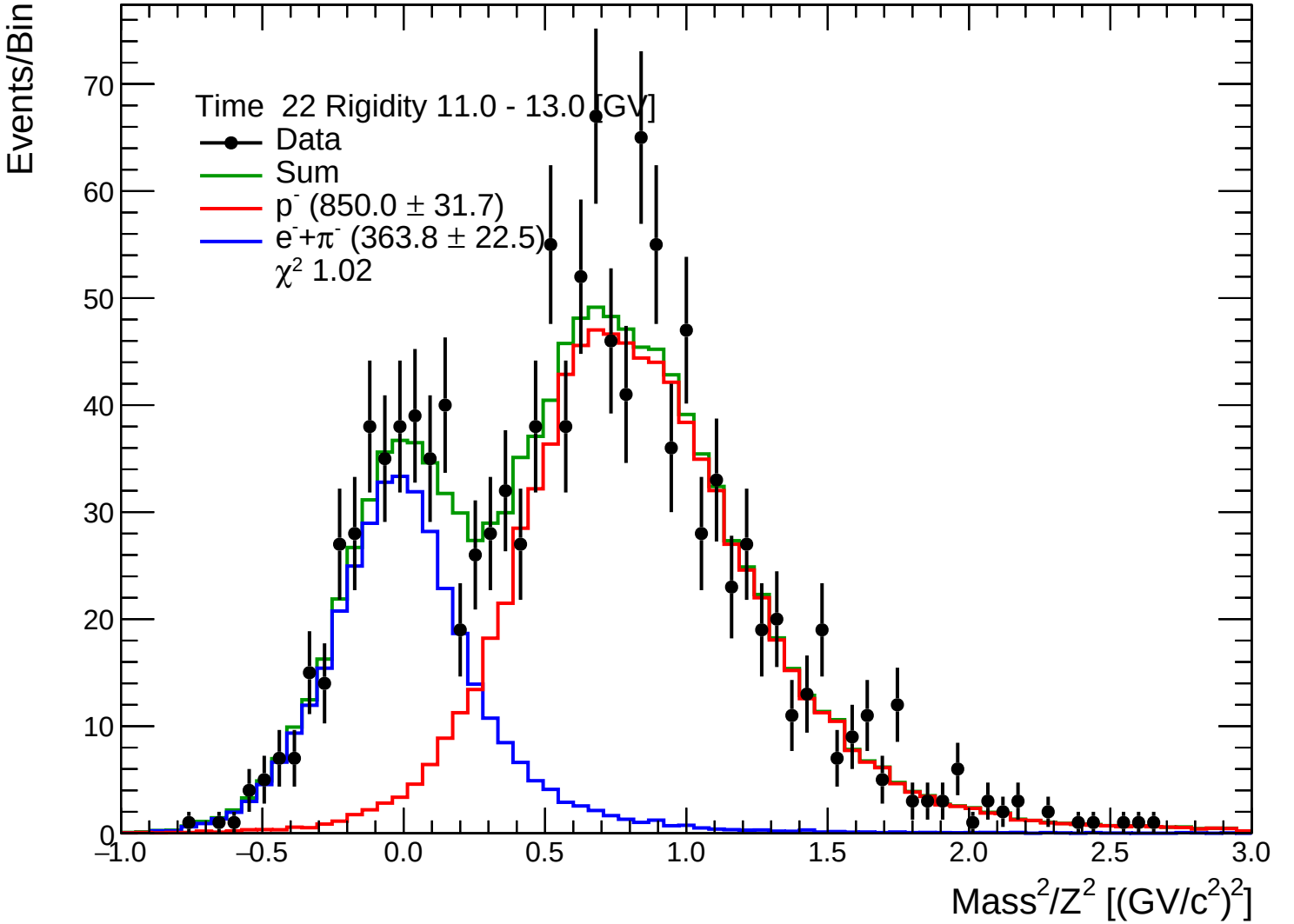

Events/Bin
400
350
300
250
200
150
100
50
0
946
947
948
949
950
951
952
953
Number [Temp 0]

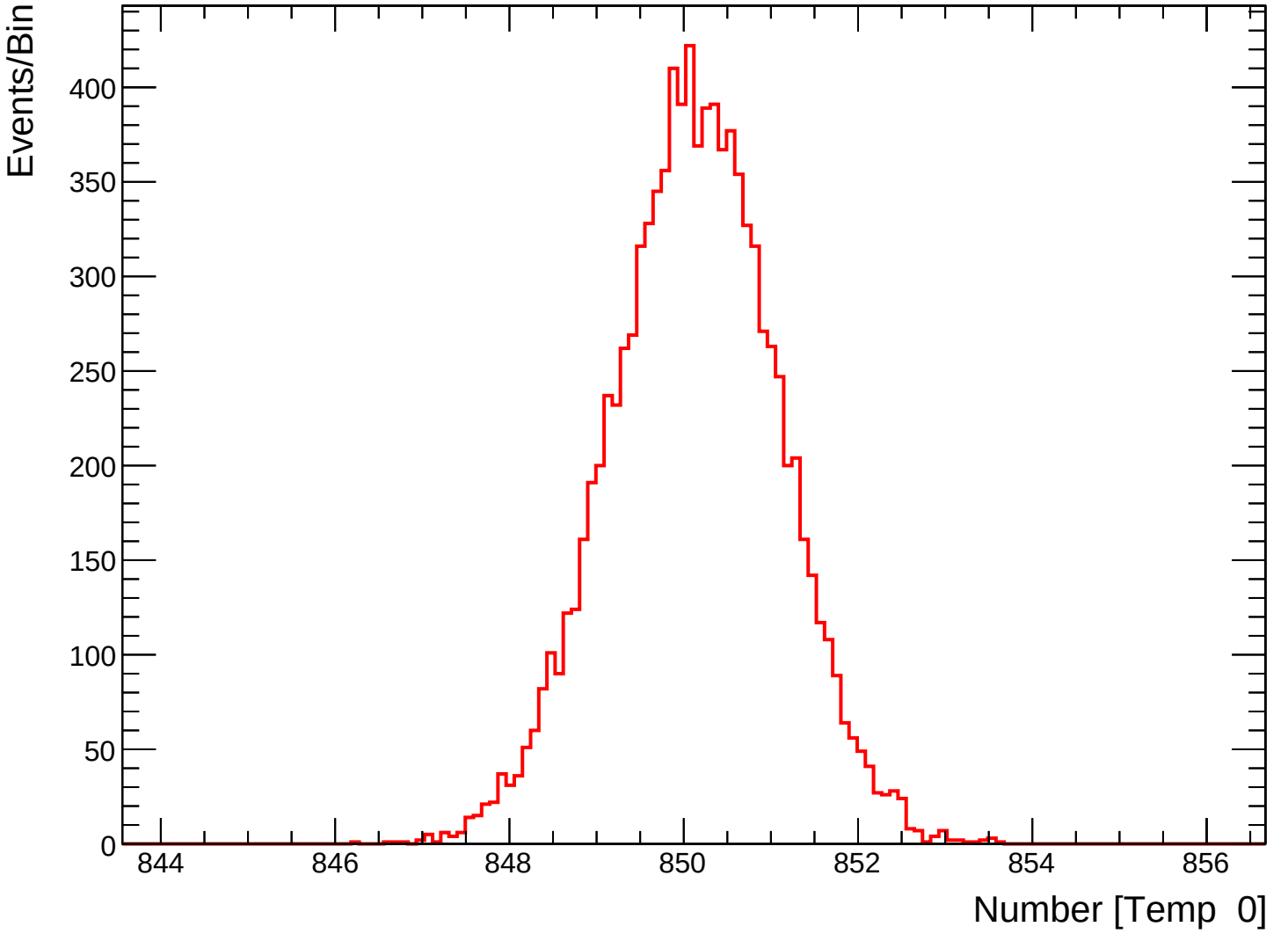

Time 22 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (981.5 ± 32.1)
e⁻+π⁻ (280.9 ± 17.9)
χ² 0.84
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

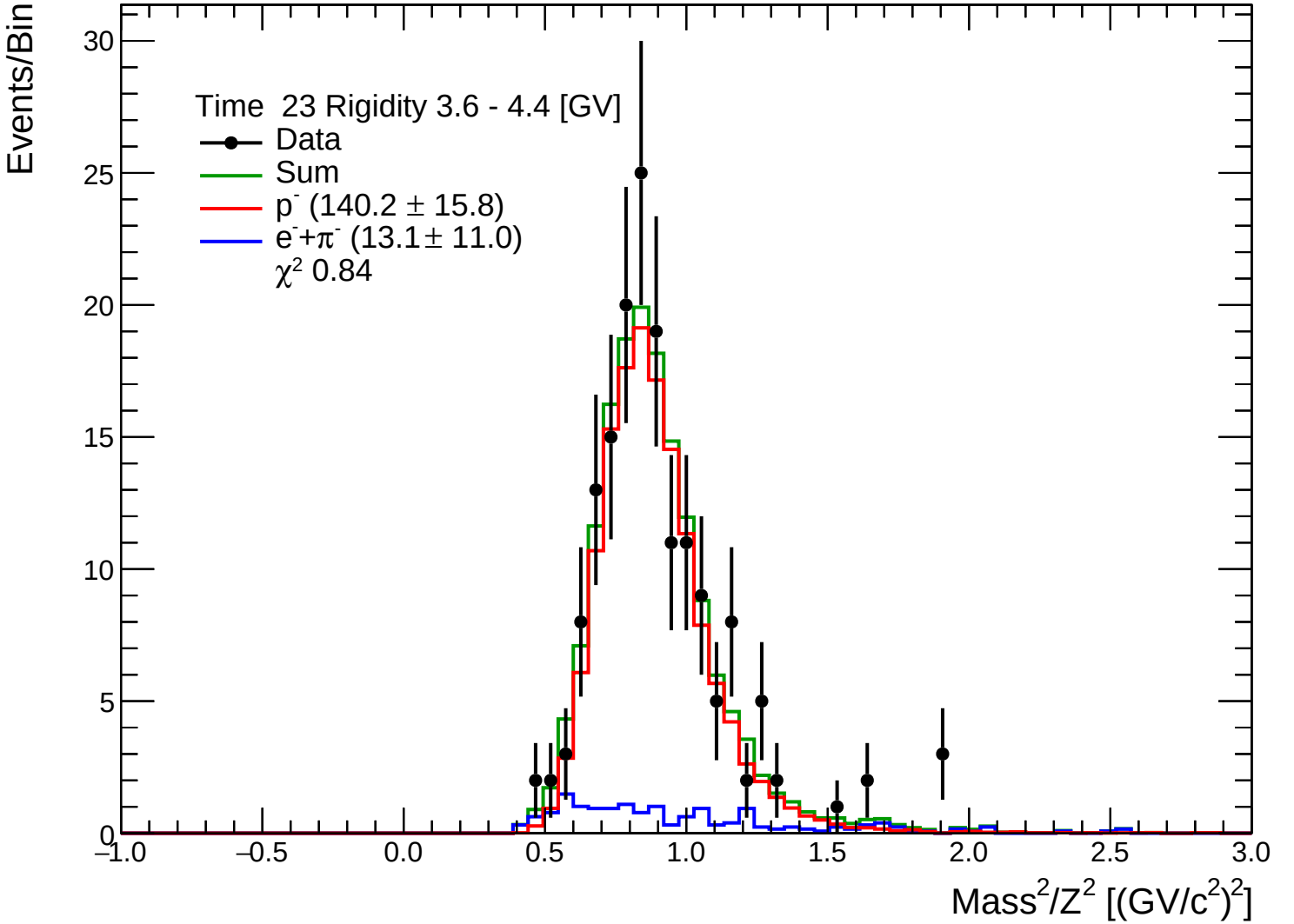

Events/Bin
400
350
300
250
200
150
100
50
0
978
979
980
981
982
983
984
985
Number [Temp 0]

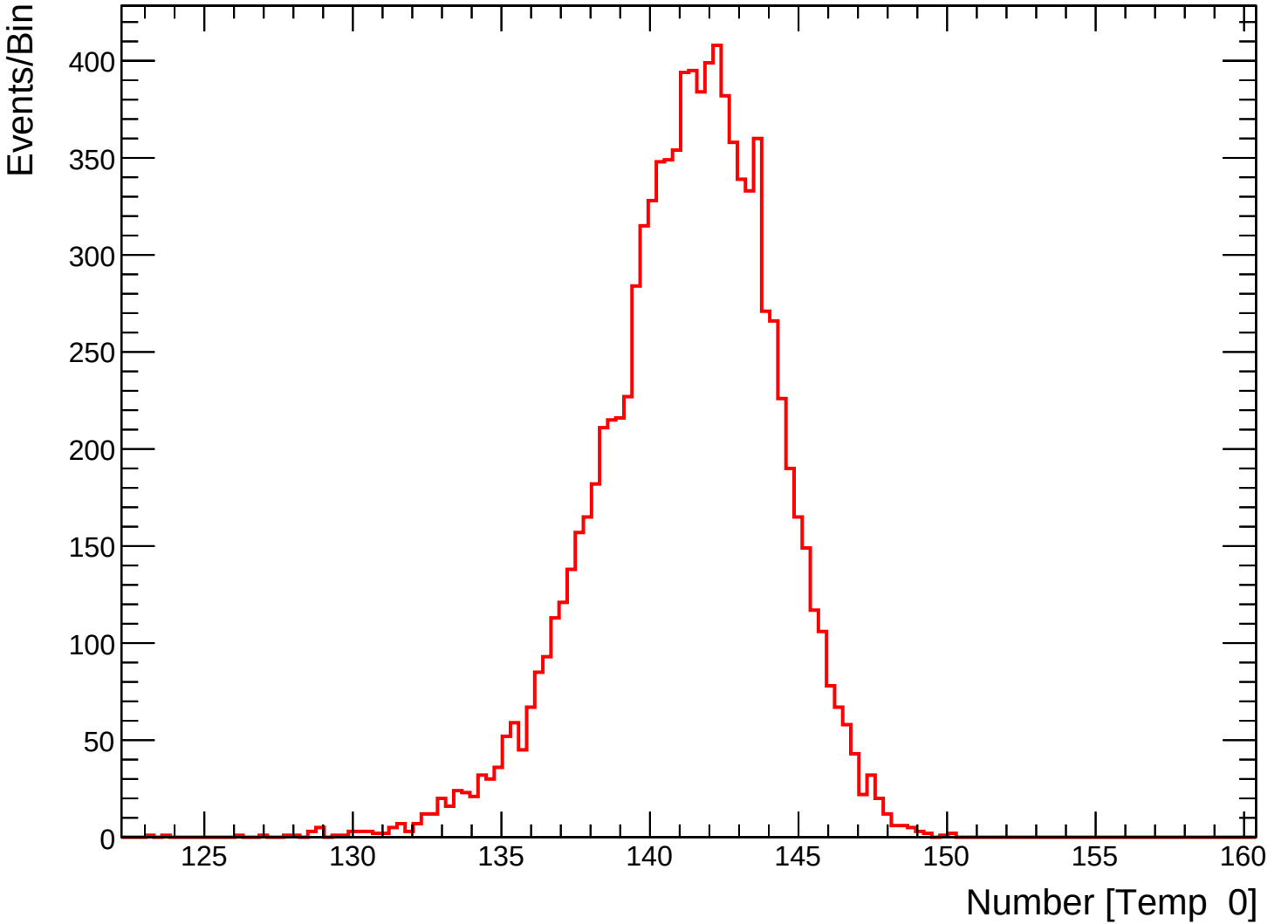

Time 22 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (878.3 ± 31.1)
e⁻+π⁻ (496.1 ± 24.1)
χ² 0.95
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

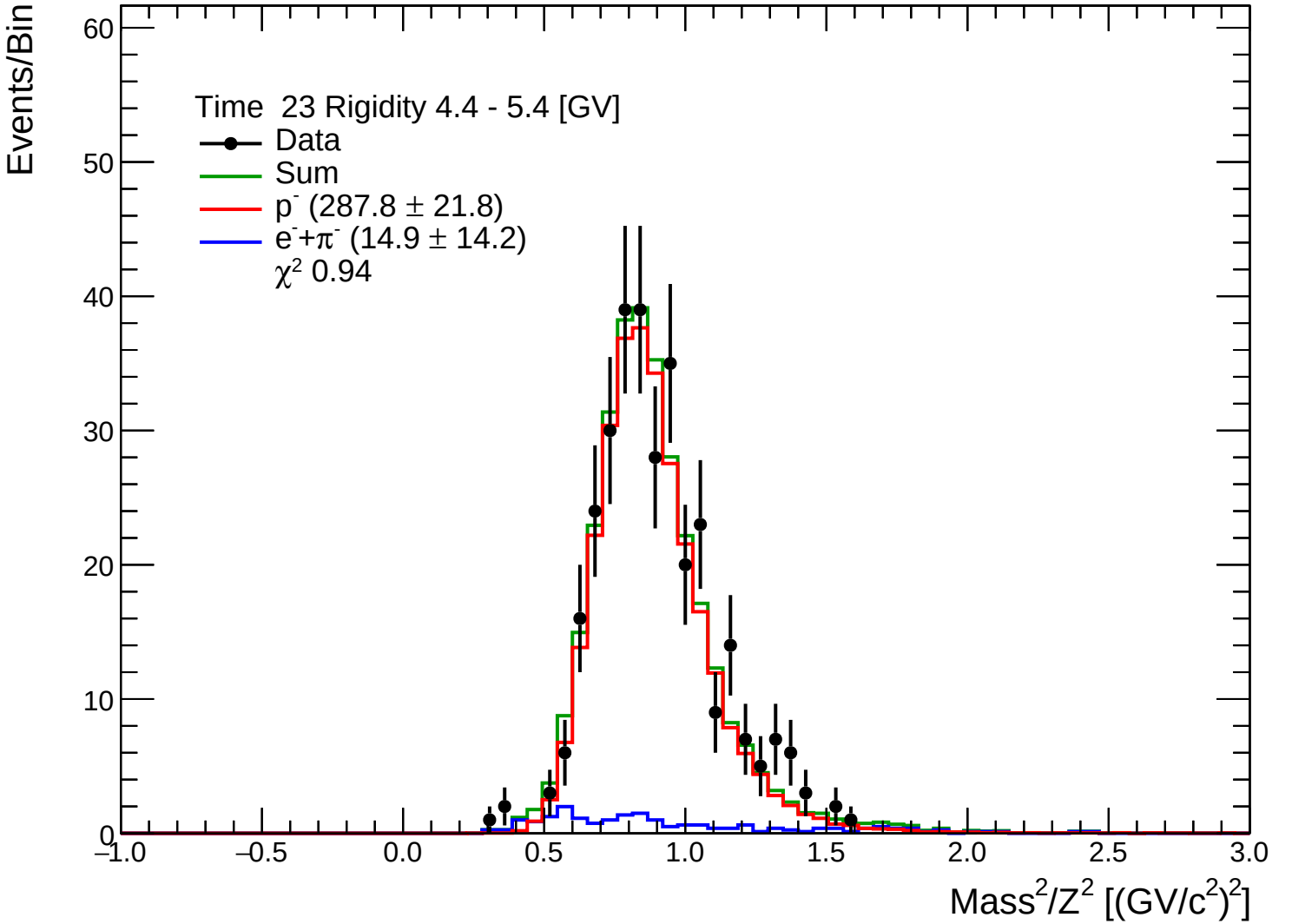

Events/Bin
400
350
300
250
200
150
100
50
0
874
876
878
880
882
884
Number [Temp 0]

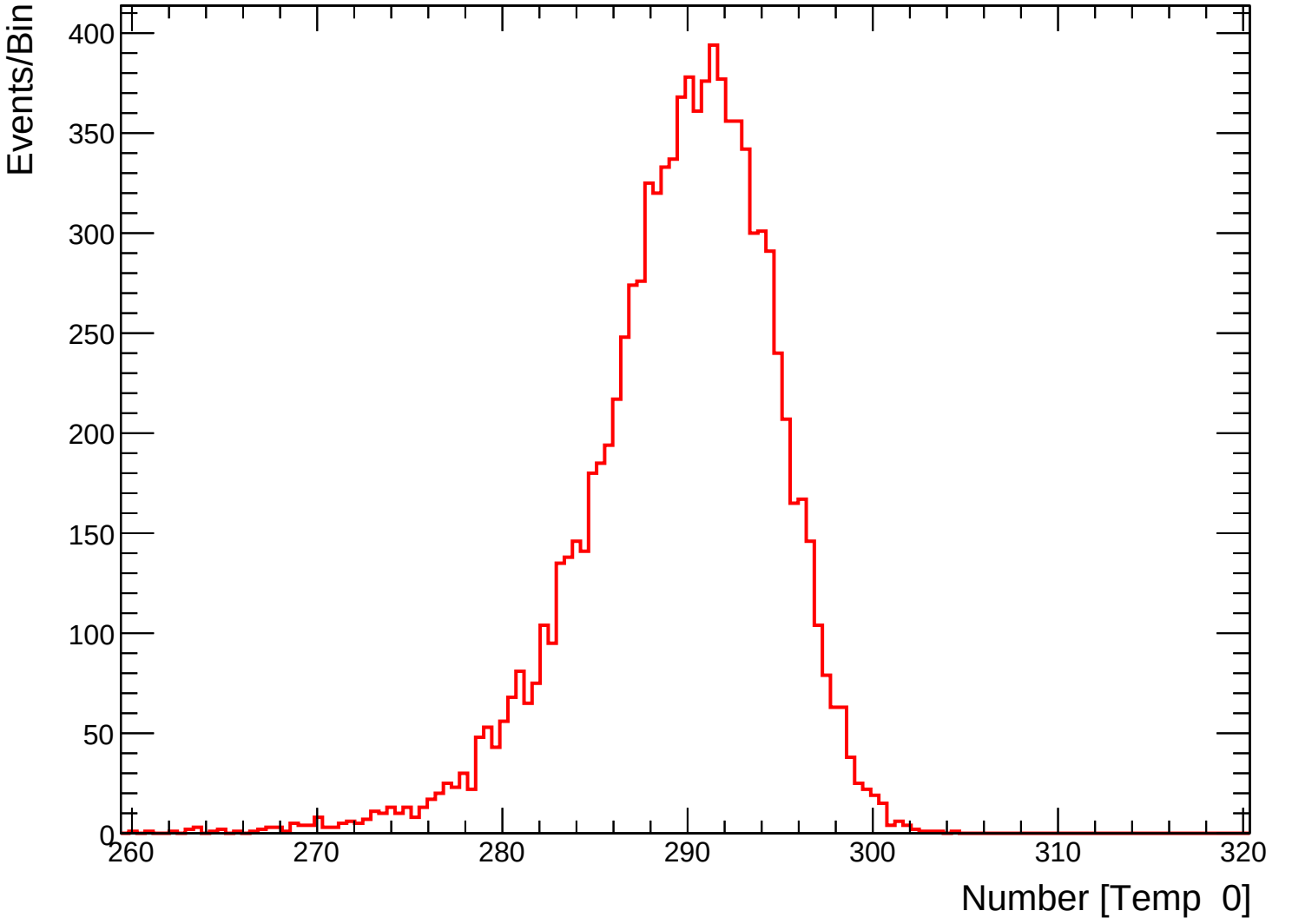

Time 22 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (850.0 ± 31.7)
e⁻+π⁻ (363.8 ± 22.5)
χ² 1.02
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

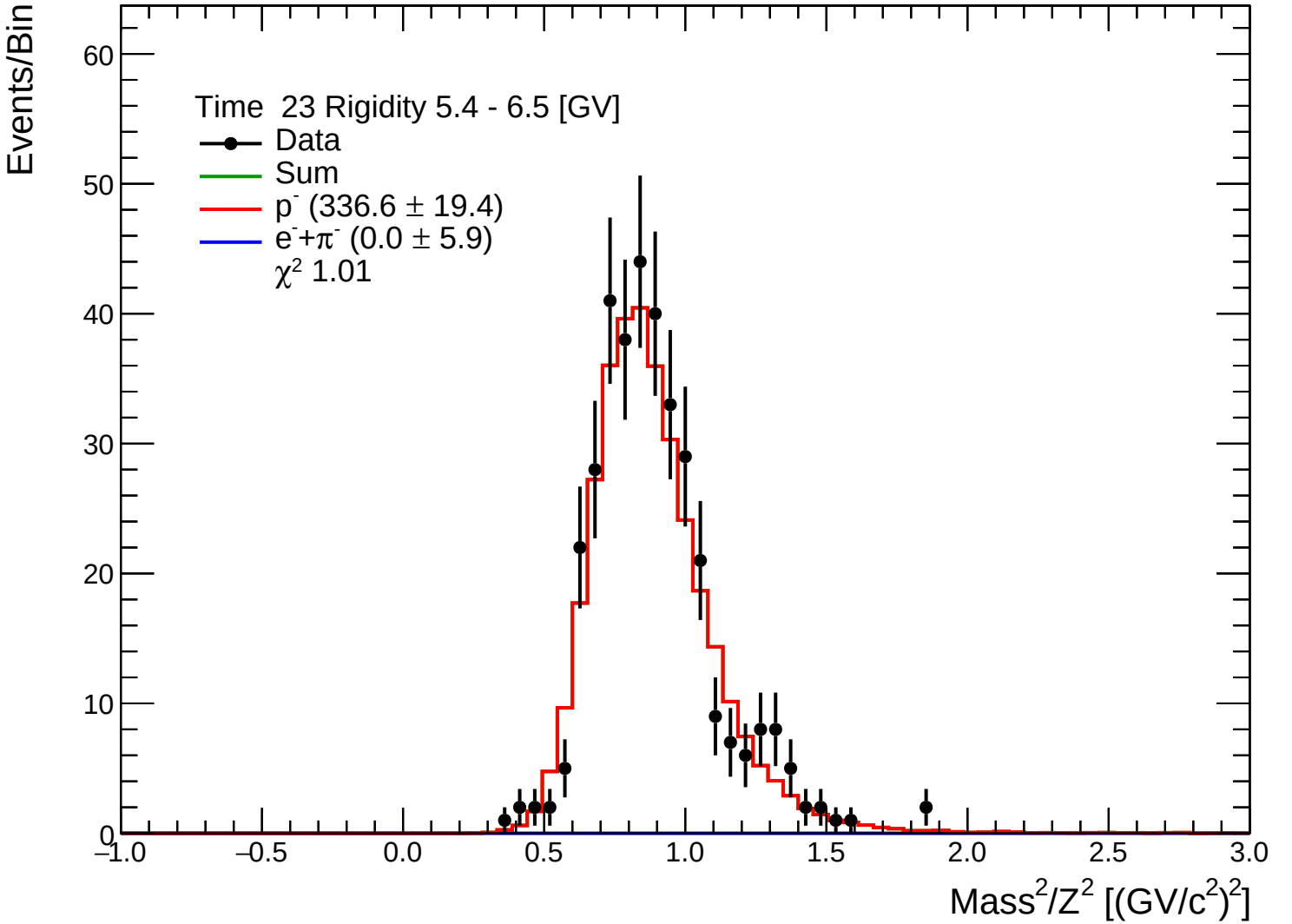

Events/Bin
400
350
300
250
200
150
100
50
0
844
846
848
850
852
854
856
Number [Temp 0]

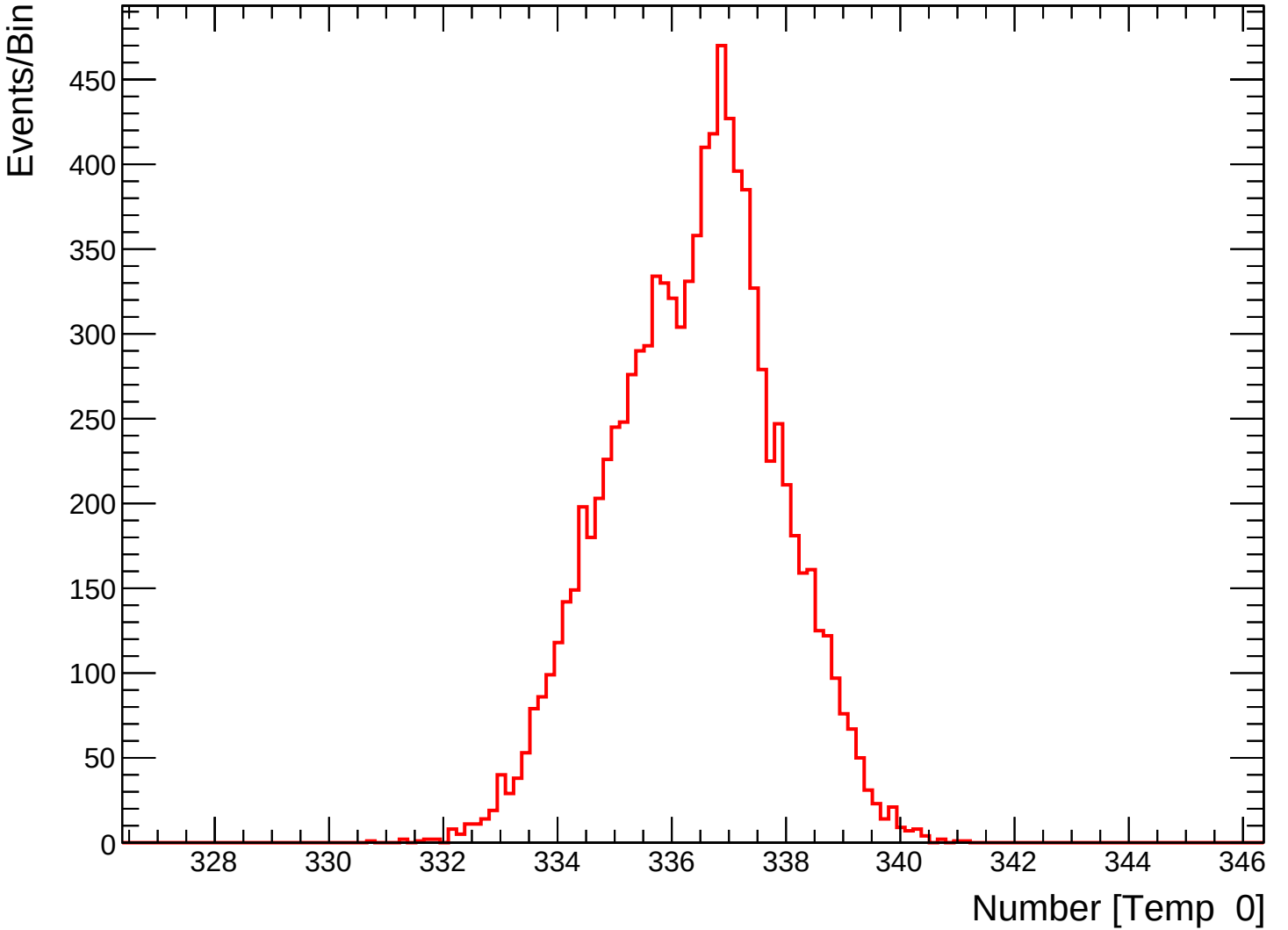

Time 23 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (140.2 ± 15.8)
e⁻+π⁻ (13.1± 11.0)
χ² 0.84
Events/Bin
Mass²/Z² [(GV/c²)²]
0
5
10
15
20
25
30
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

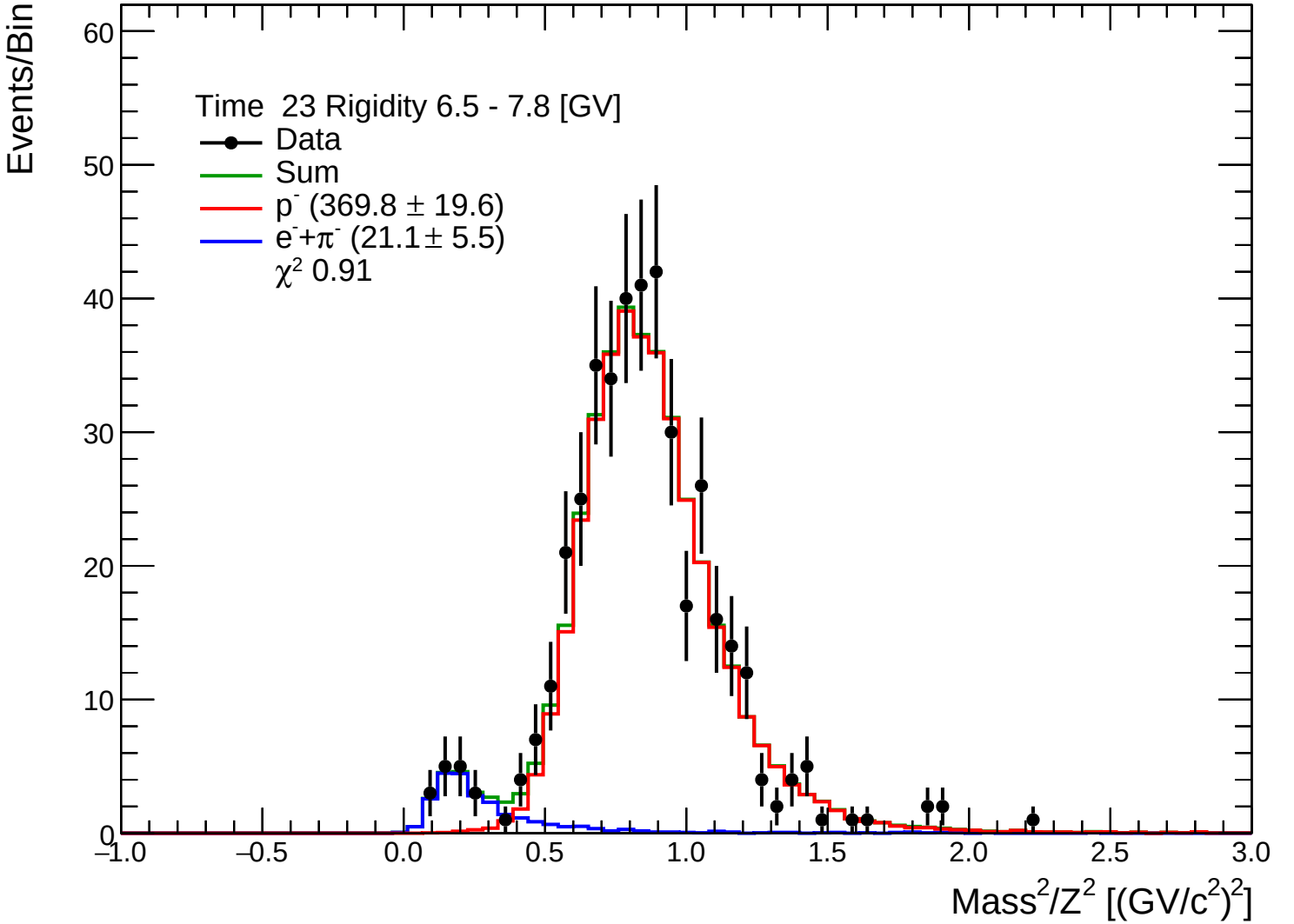

Events/Bin
400
350
300
250
200
150
100
50
0
125
130
135
140
145
150
155
160
Number [Temp 0]

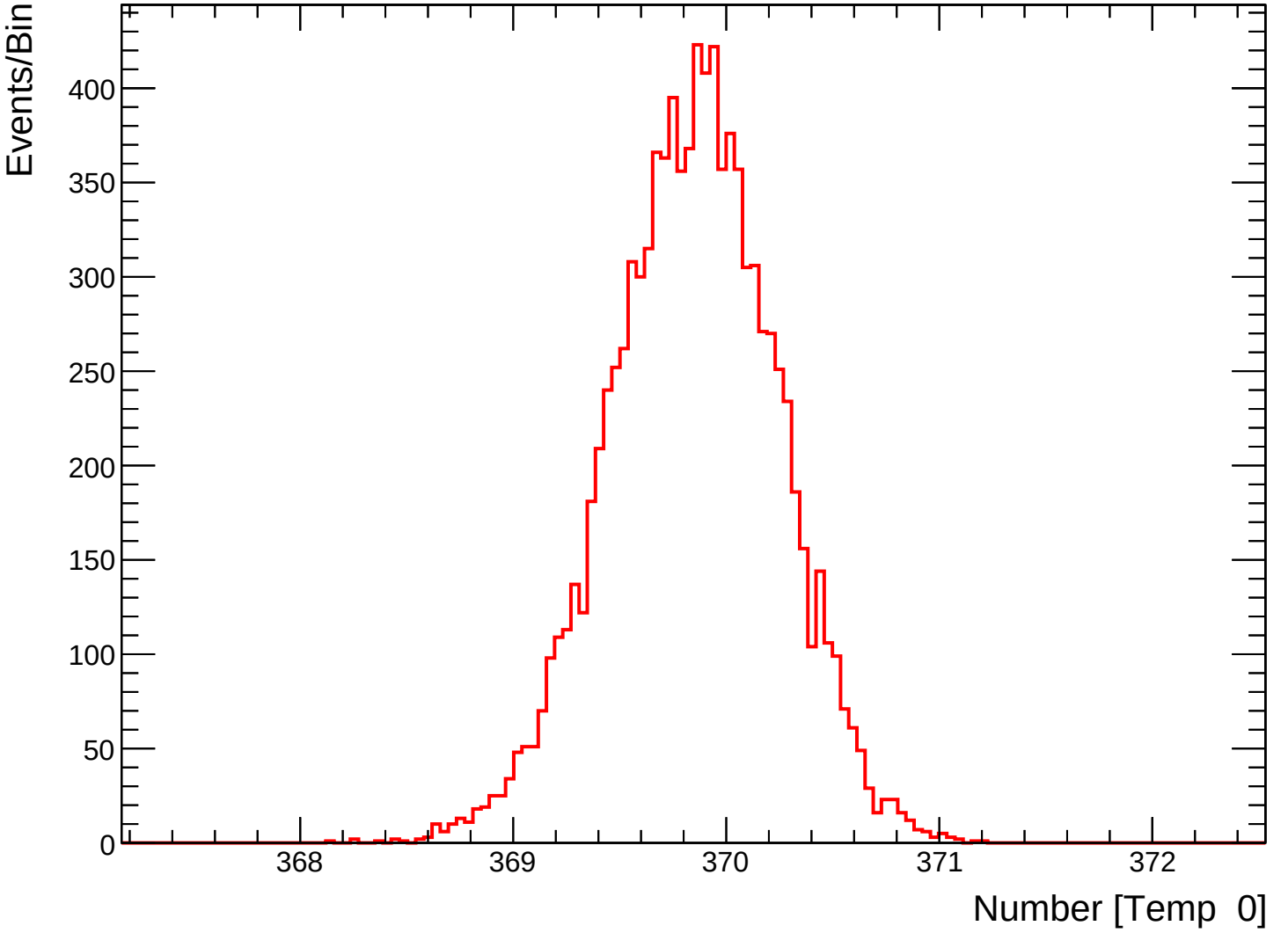

Events/Bin
Time 23 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (287.8 ± 21.8)
e⁻+π⁻ (14.9 ± 14.2)
χ² 0.94
Mass²/Z² [(GV/c²)²]

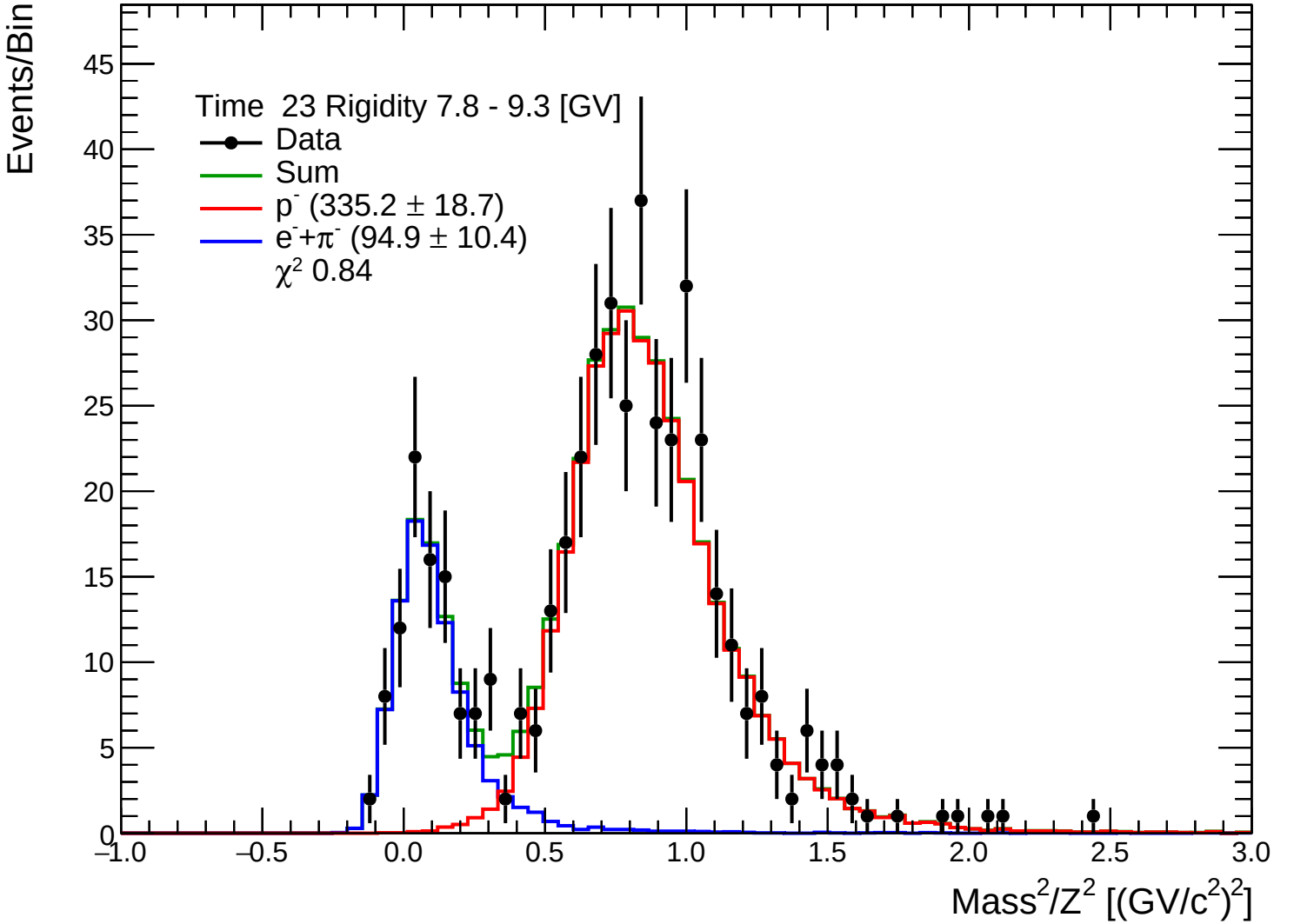

Events/Bin
400
350
300
250
200
150
100
50
0
260
270
280
290
300
310
320
Number [Temp 0]

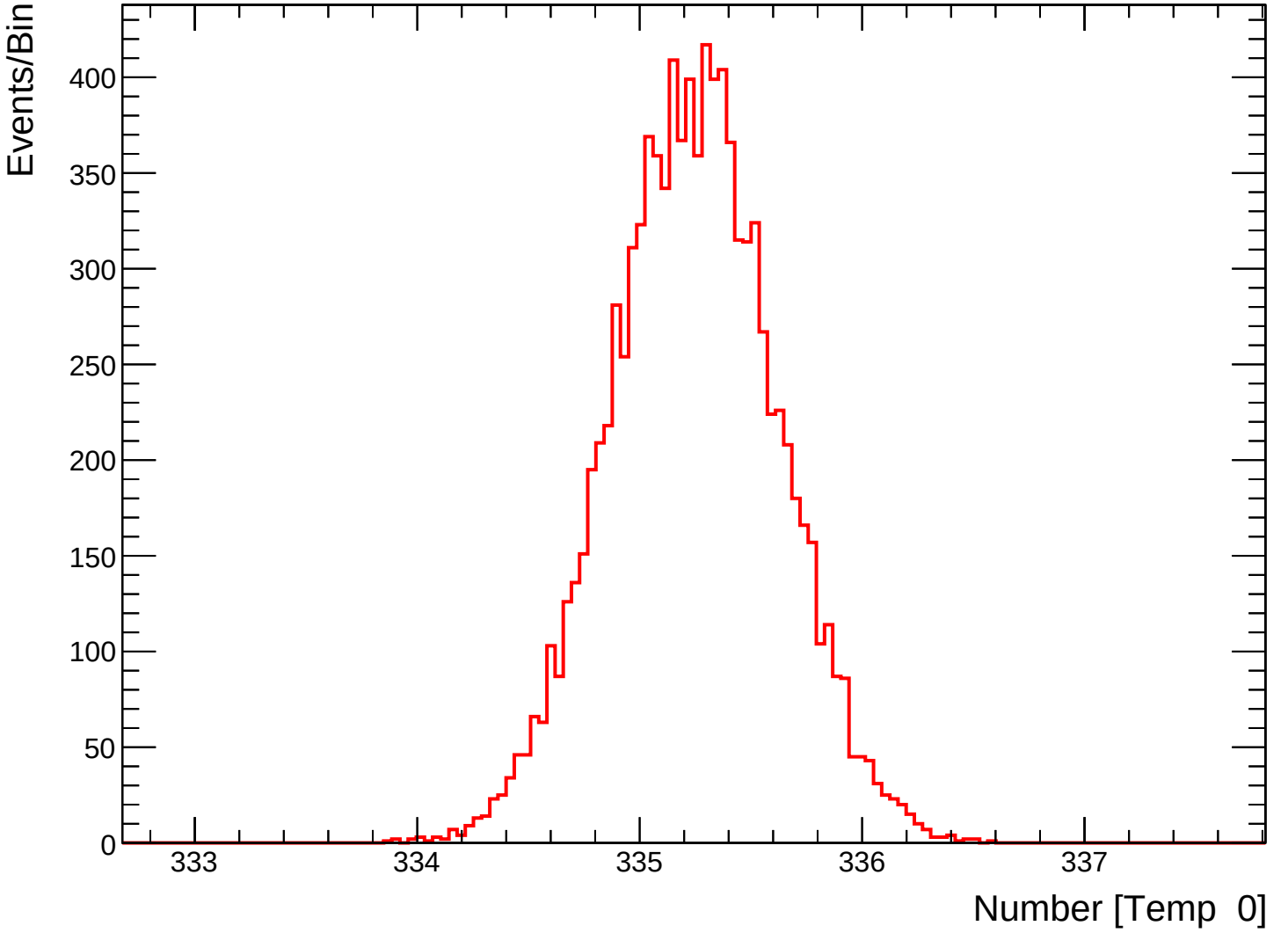

Time 23 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (336.6 ± 19.4)
e⁻+π⁻ (0.0 ± 5.9)
χ² 1.01
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

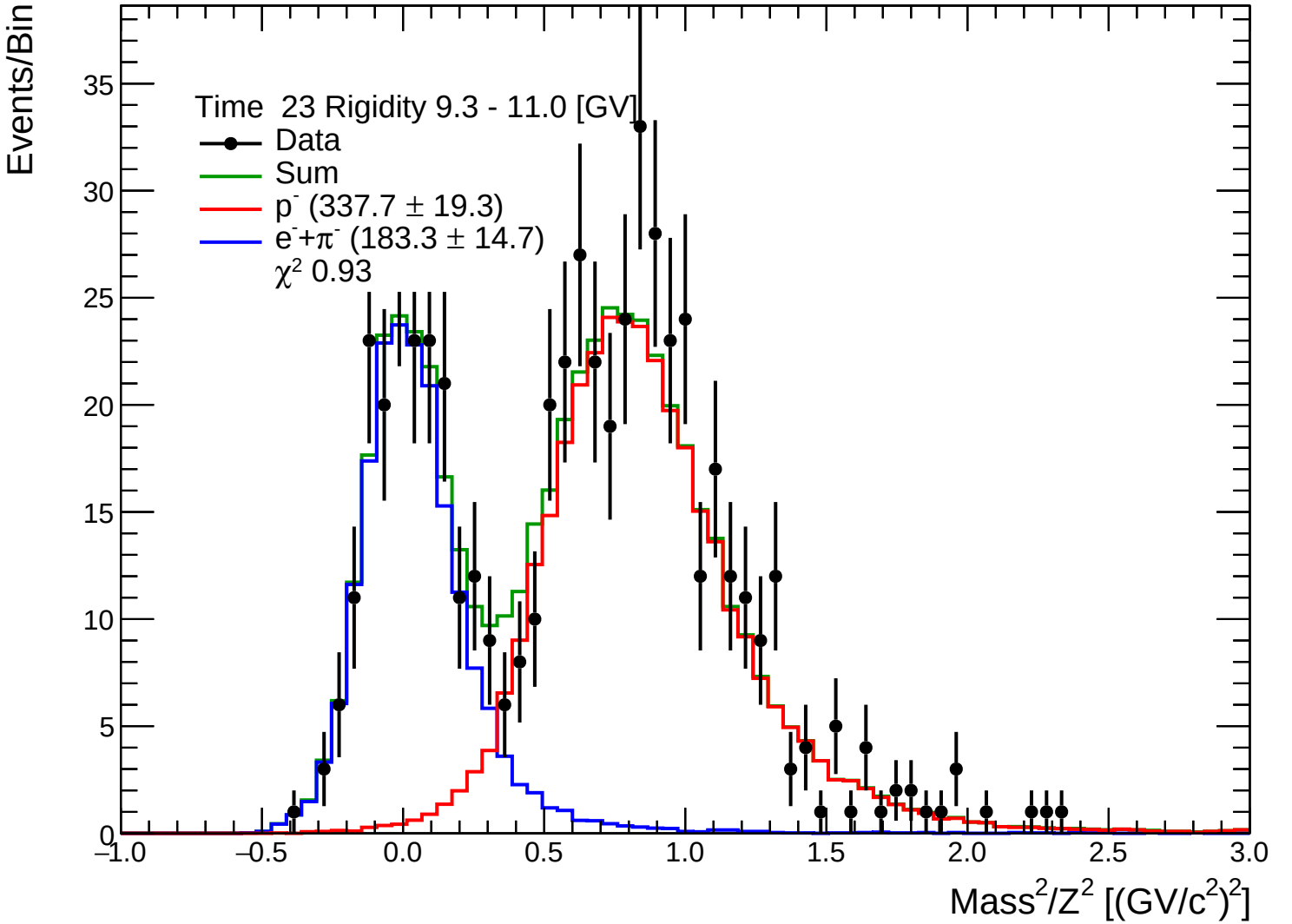

Events/Bin
450
400
350
300
250
200
150
100
50
0
328
330
332
334
336
338
340
342
344
346
Number [Temp 0]

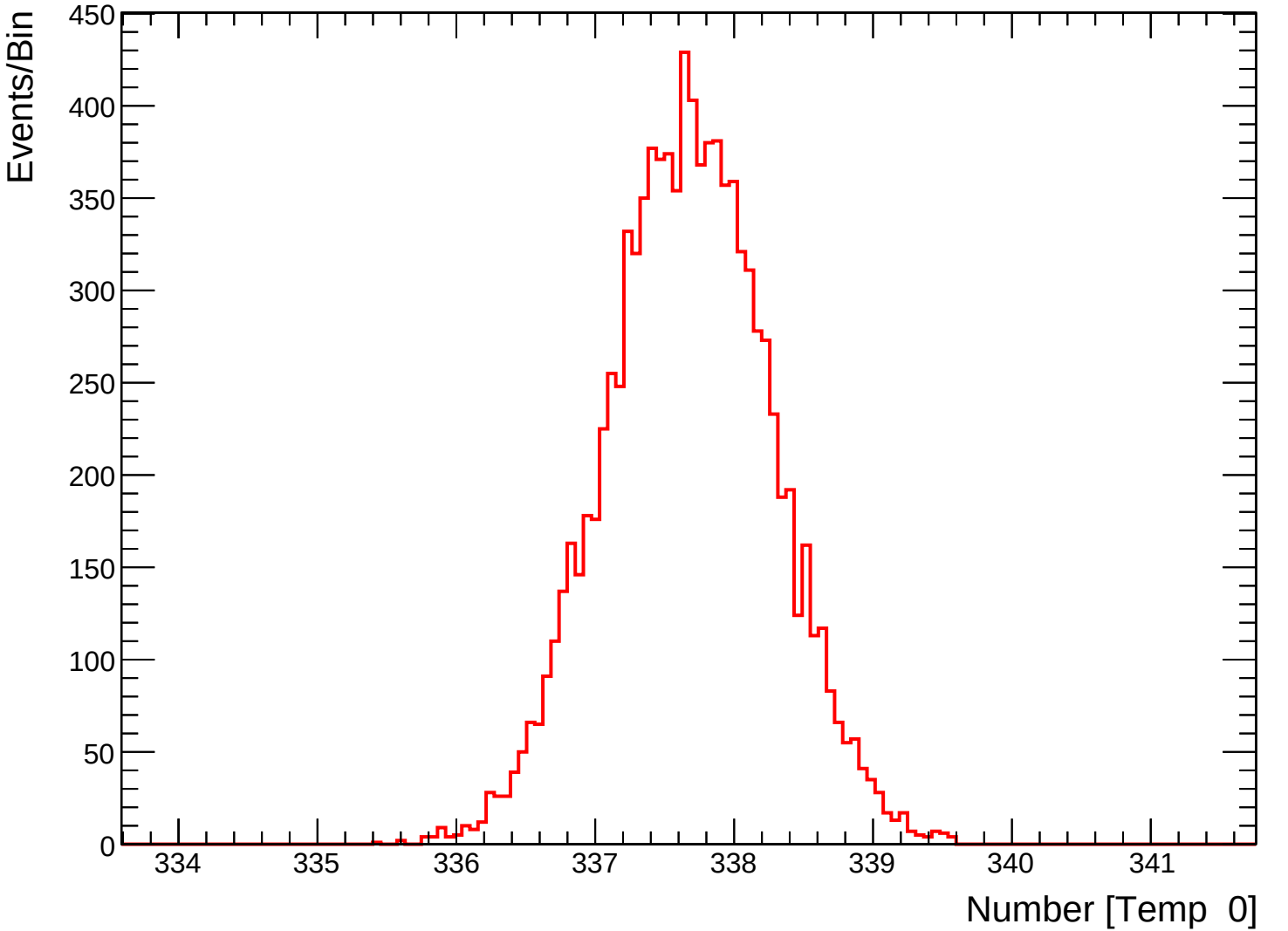

Time 23 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (369.8 ± 19.6)
e⁻+π⁻ (21.1± 5.5)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

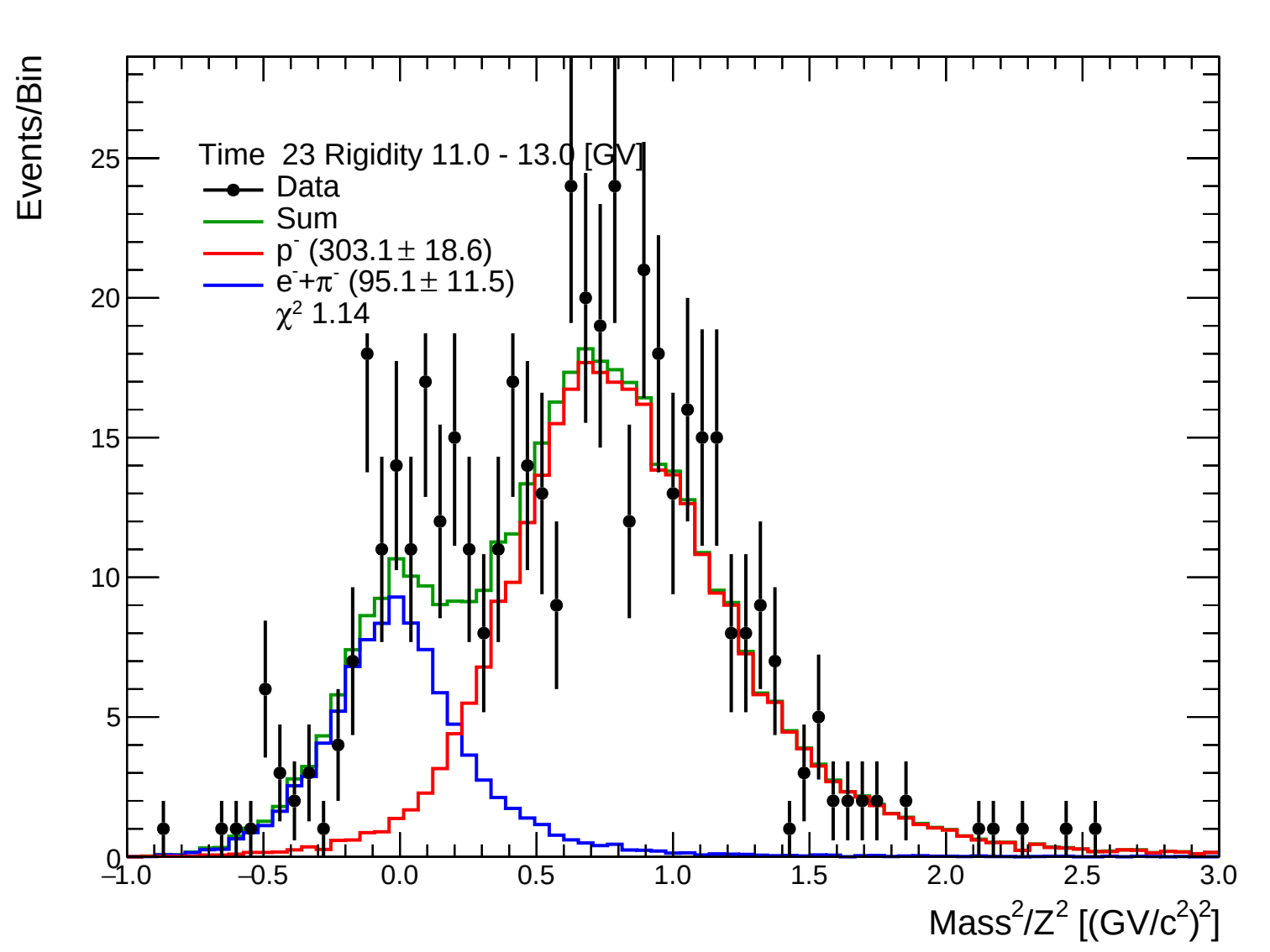

Events/Bin
400
350
300
250
200
150
100
50
0
368
369
370
371
372
Number [Temp 0]

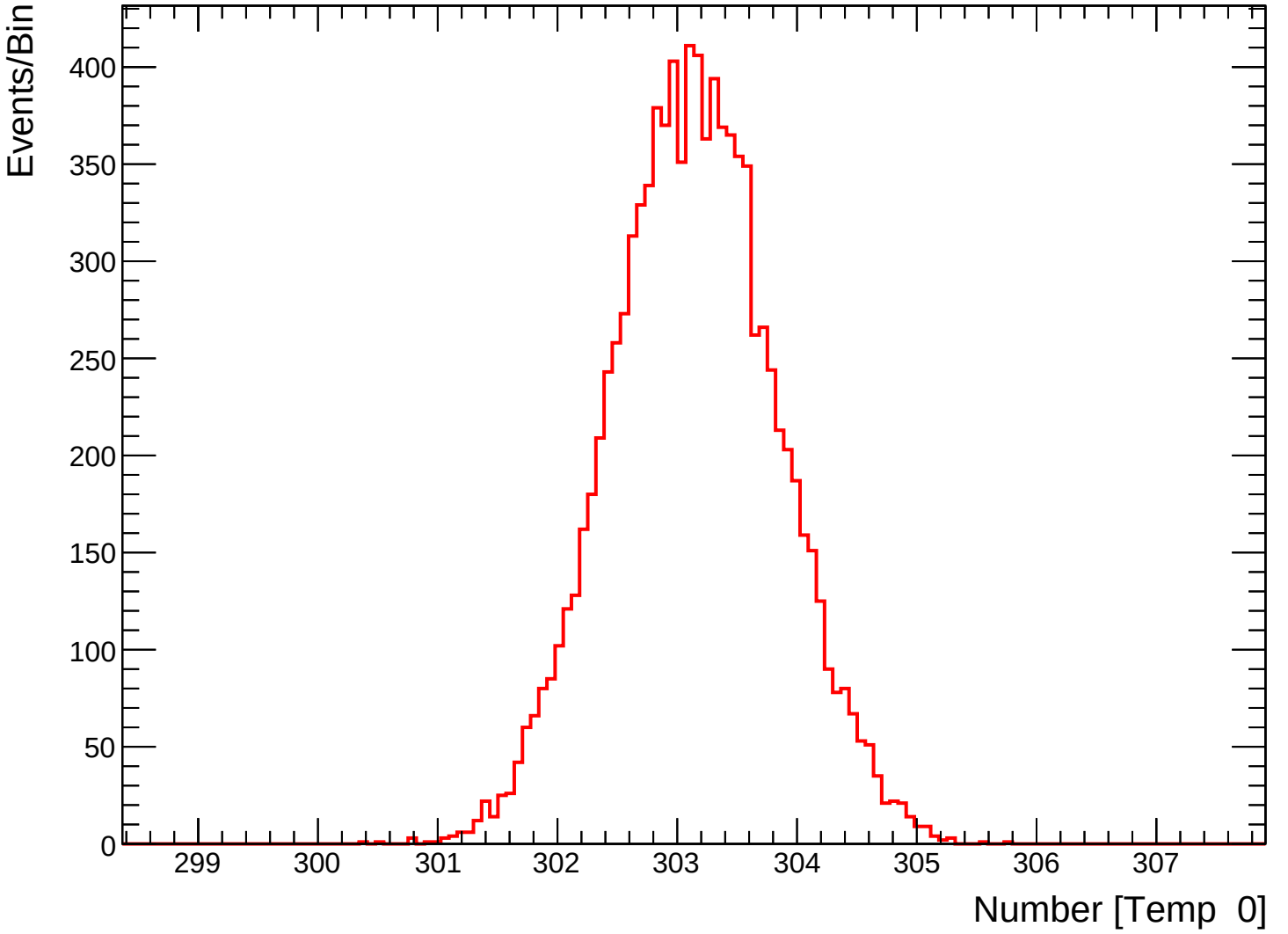

Time 23 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (335.2 ± 18.7)
e⁻+π⁻ (94.9 ± 10.4)
χ² 0.84
Events/Bin
Mass²/Z² [(GV/c²)²]
0
5
10
15
20
25
30
35
40
45
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

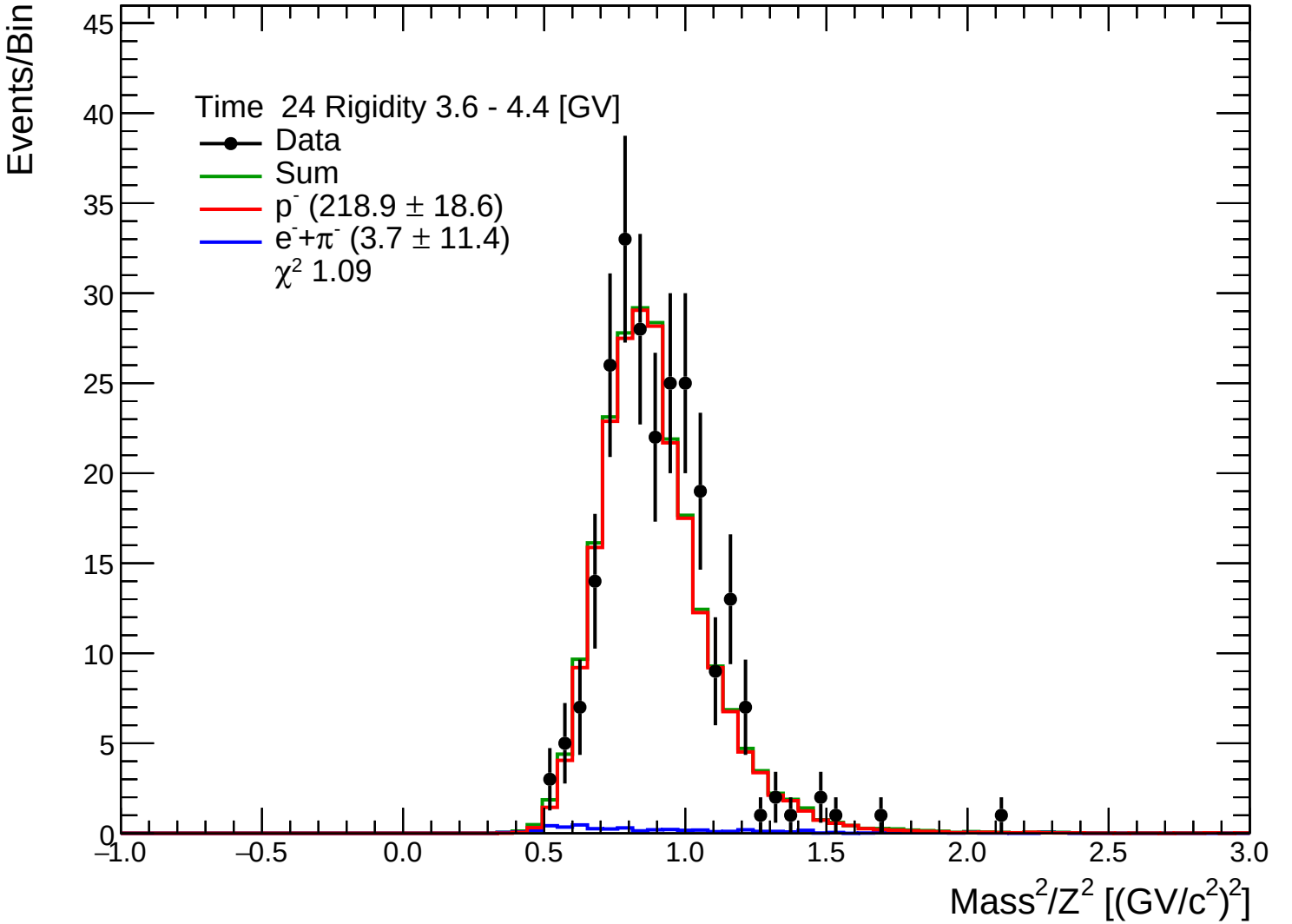

Events/Bin
400
350
300
250
200
150
100
50
0
333
334
335
336
337
Number [Temp 0]

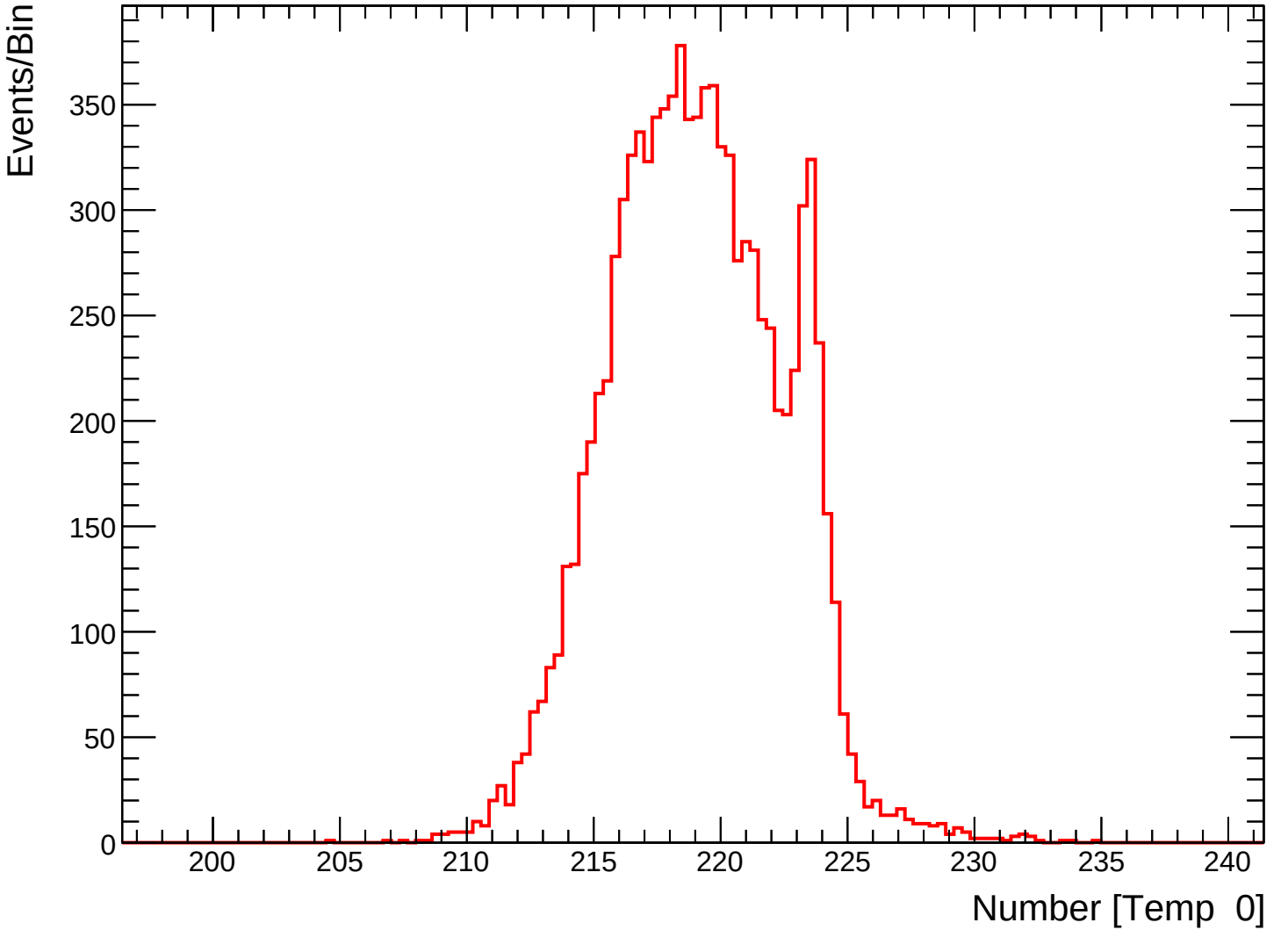

Time 23 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (337.7 ± 19.3)
e⁻+π⁻ (183.3 ± 14.7)
χ² 0.93
Events/Bin
Mass²/Z² [(GV/c²)²]
0
5
10
15
20
25
30
35
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

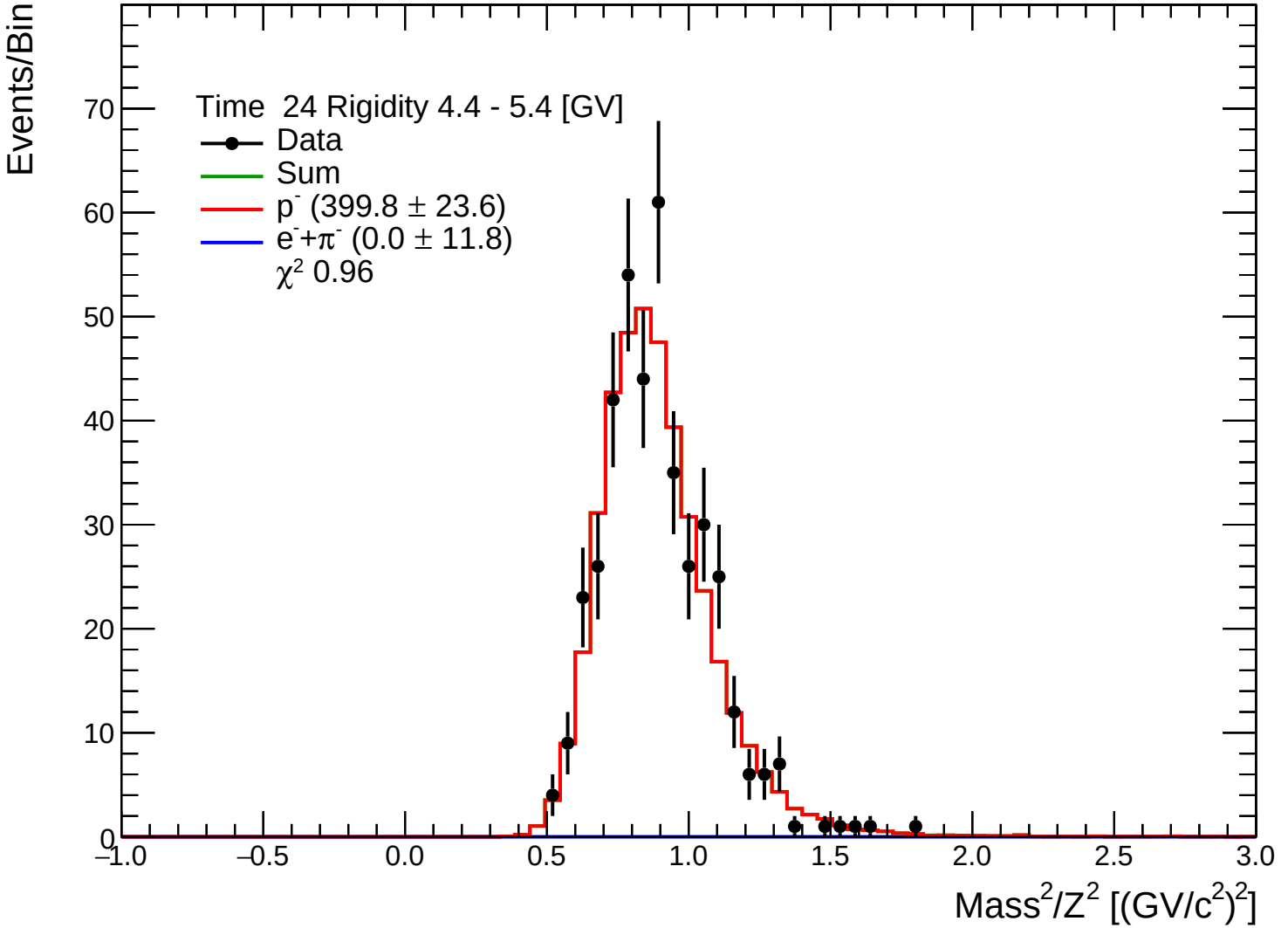

Events/Bin
450
400
350
300
250
200
150
100
50
0
334
335
336
337
338
339
340
341
Number [Temp 0]

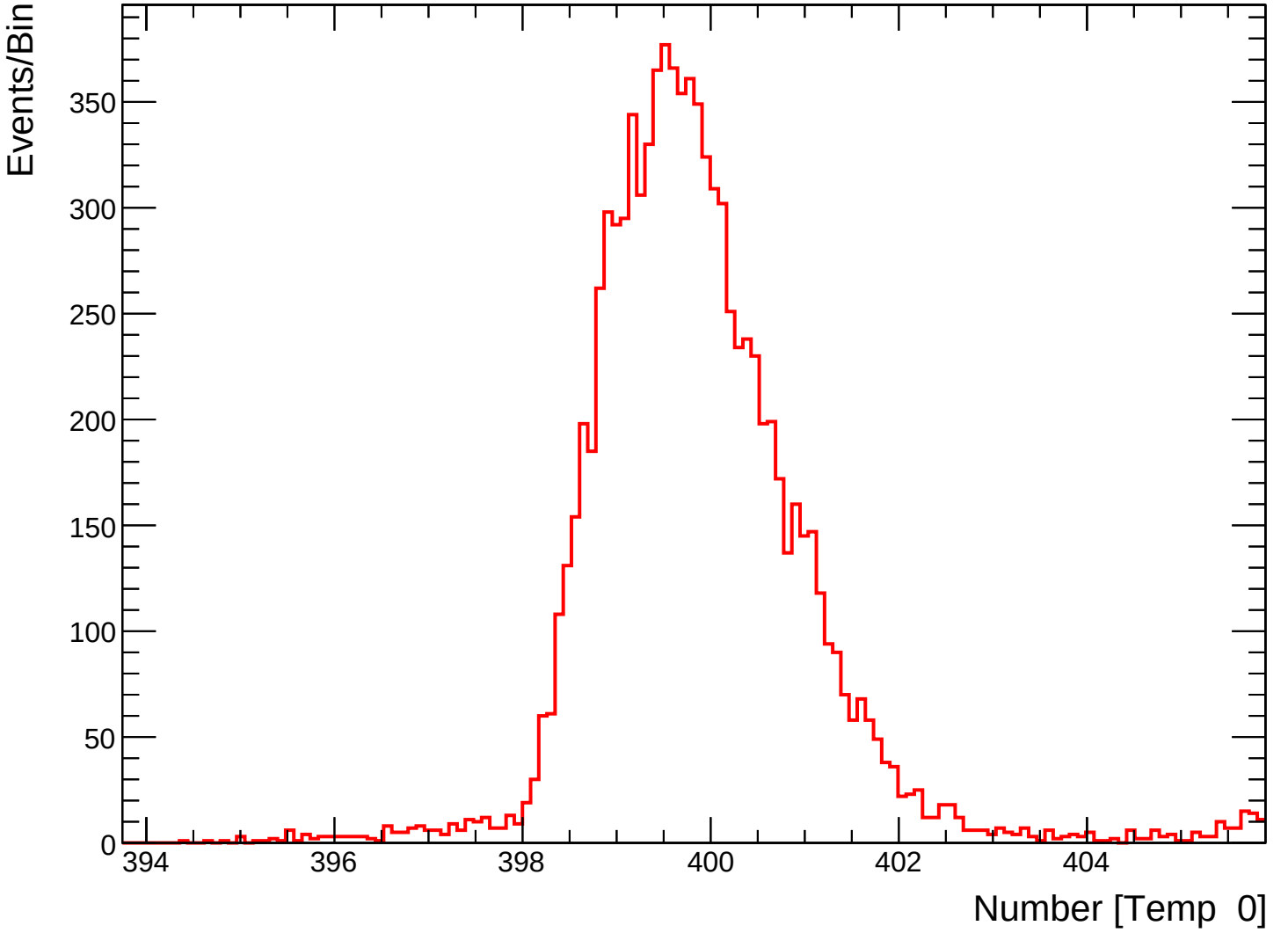

Time 23 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (303.1 ± 18.6)
e⁻+π⁻ (95.1 ± 11.5)
χ² 1.14
Events/Bin
Mass²/Z² [(GV/c²)²]
0
5
10
15
20
25
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

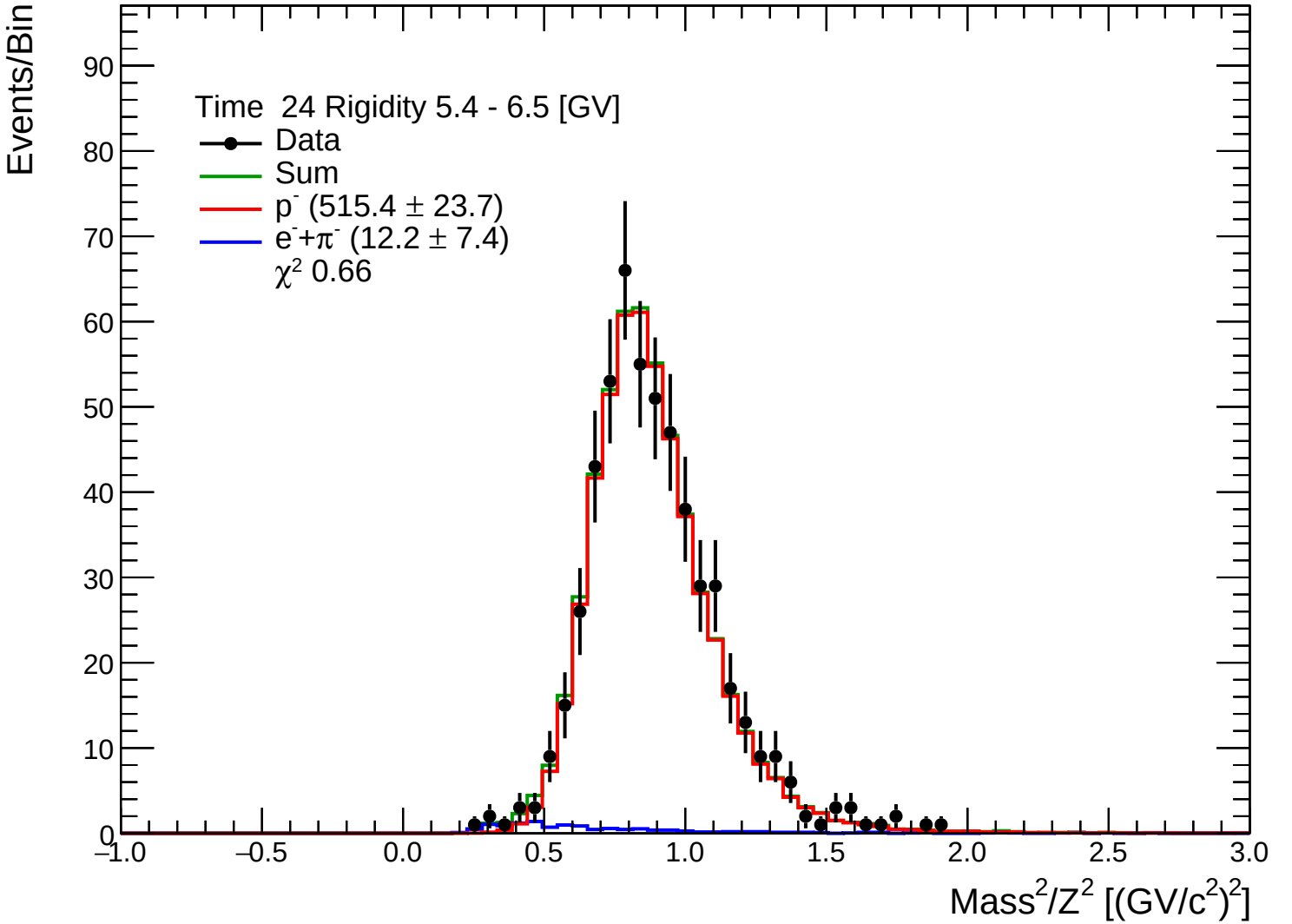

Events/Bin
400
350
300
250
200
150
100
50
0
299
300
301
302
303
304
305
306
307
Number [Temp 0]

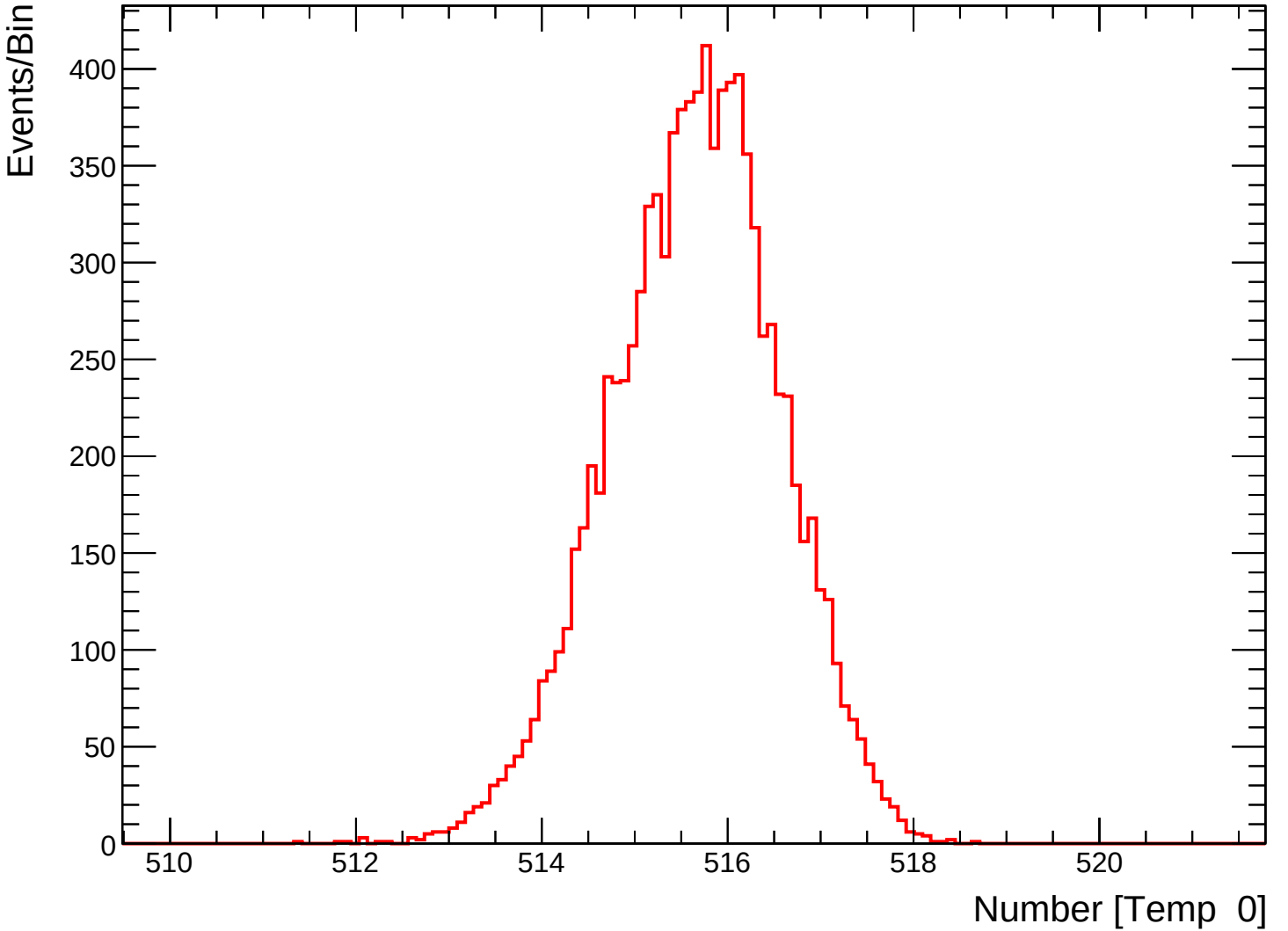

Time 24 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (218.9 ± 18.6)
e⁻+π⁻ (3.7 ± 11.4)
χ² 1.09
Events/Bin
Mass²/Z² [(GV/c²)²]
0
5
10
15
20
25
30
35
40
45
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

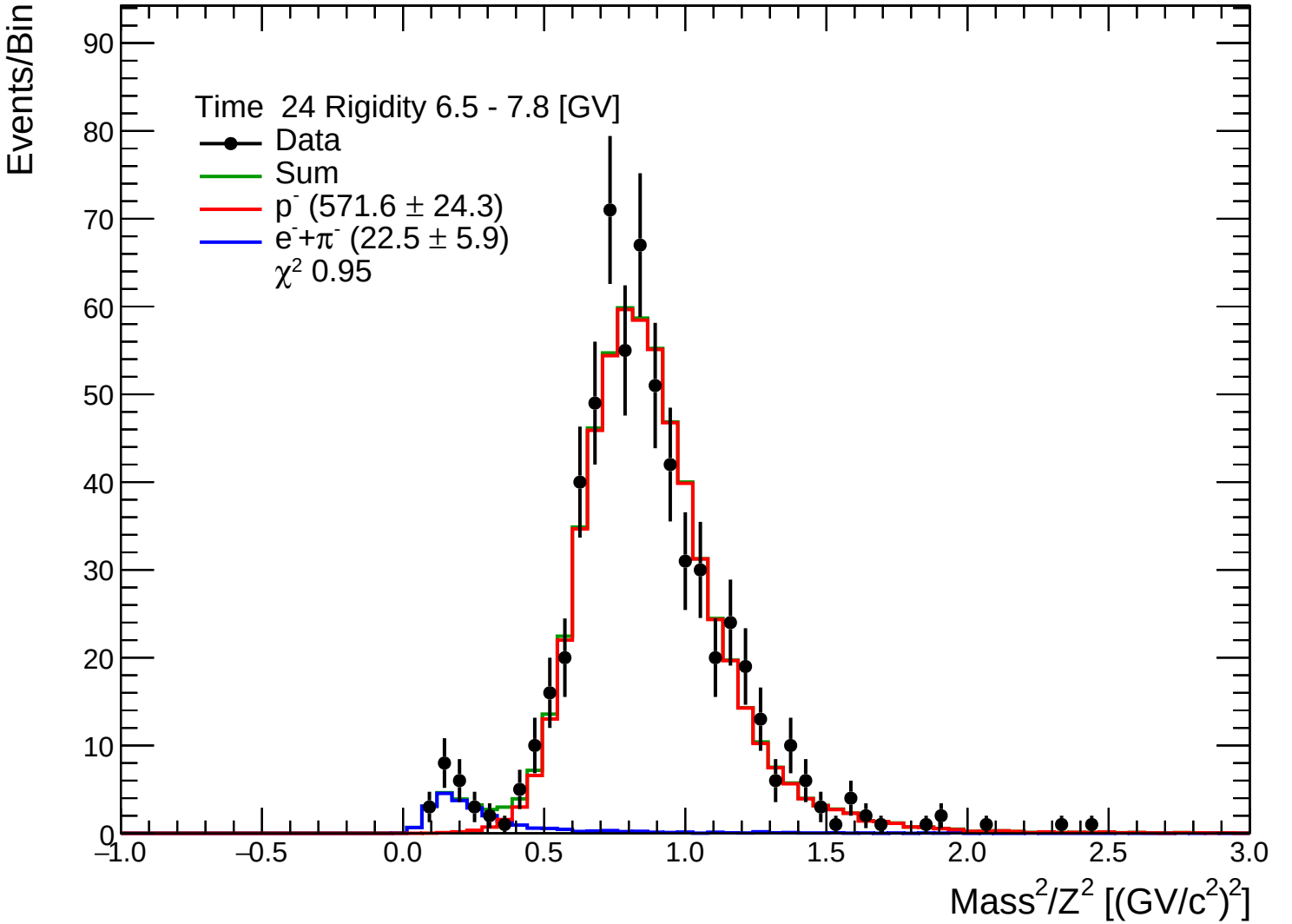

Events/Bin
350
300
250
200
150
100
50
0
200
205
210
215
220
225
230
235
240
Number [Temp 0]

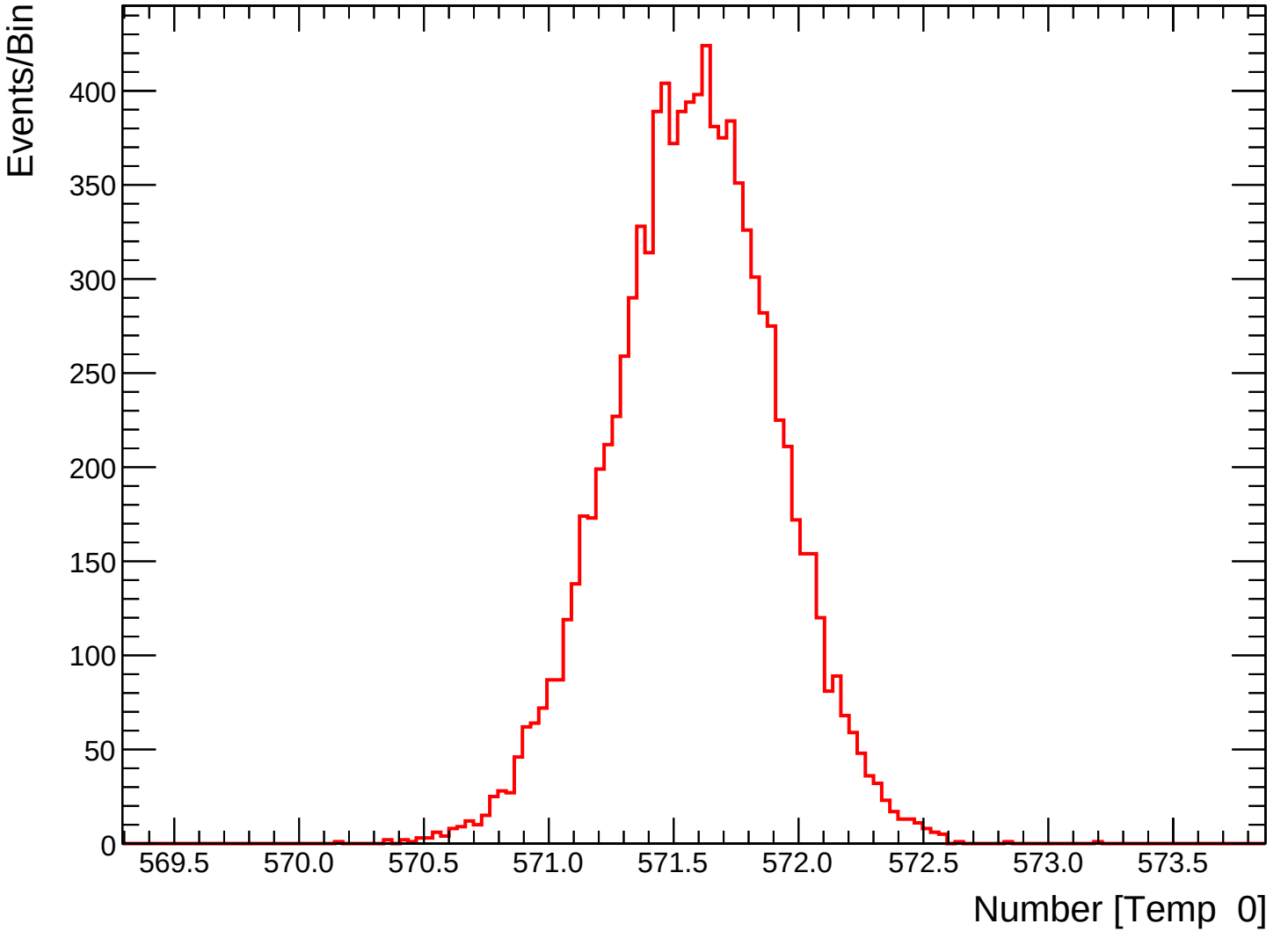

Time 24 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (399.8 ± 23.6)
e⁻+π⁻ (0.0 ± 11.8)
χ² 0.96
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

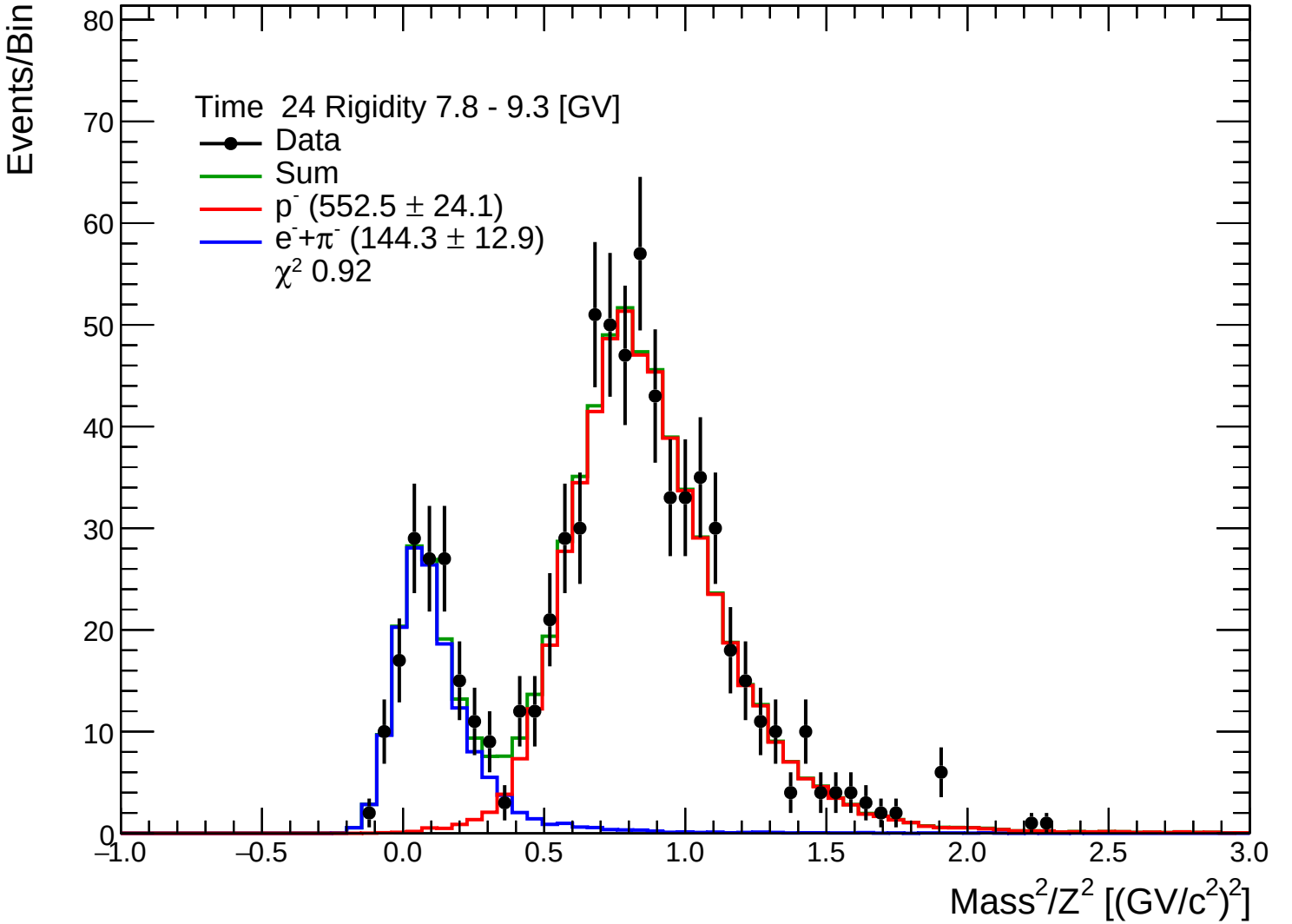

Events/Bin
350
300
250
200
150
100
50
0
394
396
398
400
402
404
Number [Temp 0]

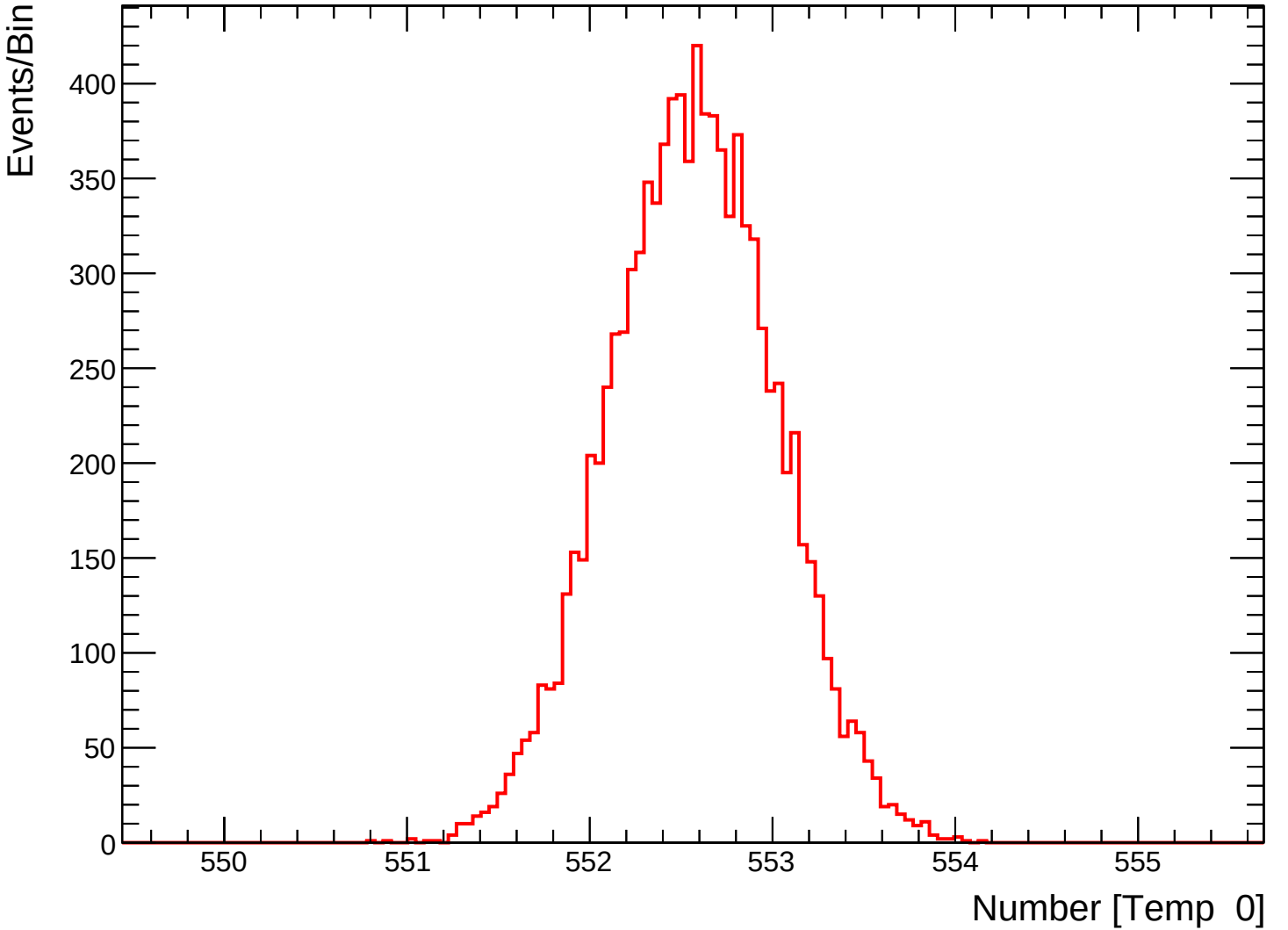

Time 24 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (515.4 ± 23.7)
e⁻+π⁻ (12.2 ± 7.4)
χ² 0.66
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

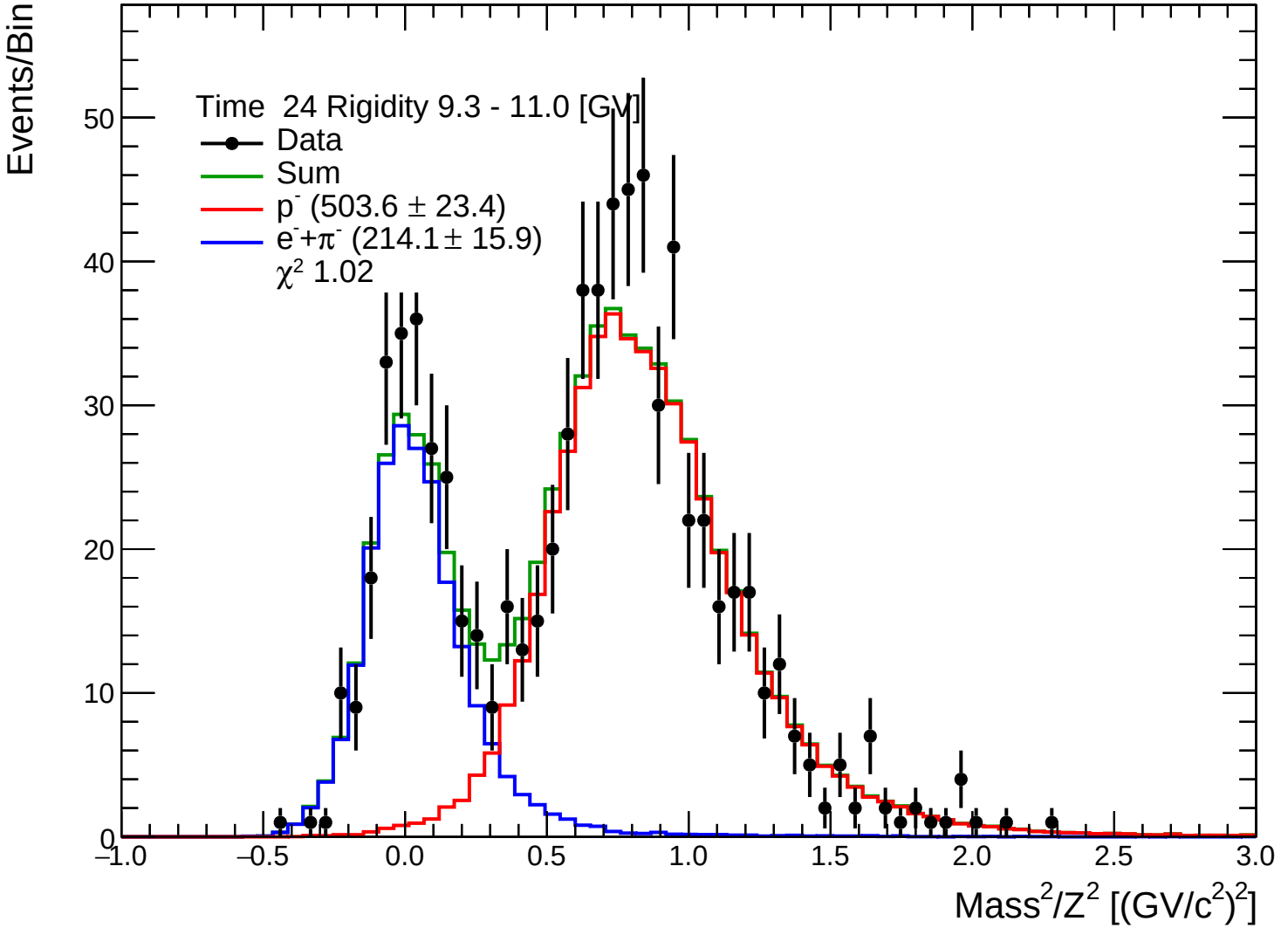

Events/Bin
400
350
300
250
200
150
100
50
0
510
512
514
516
518
520
Number [Temp 0]

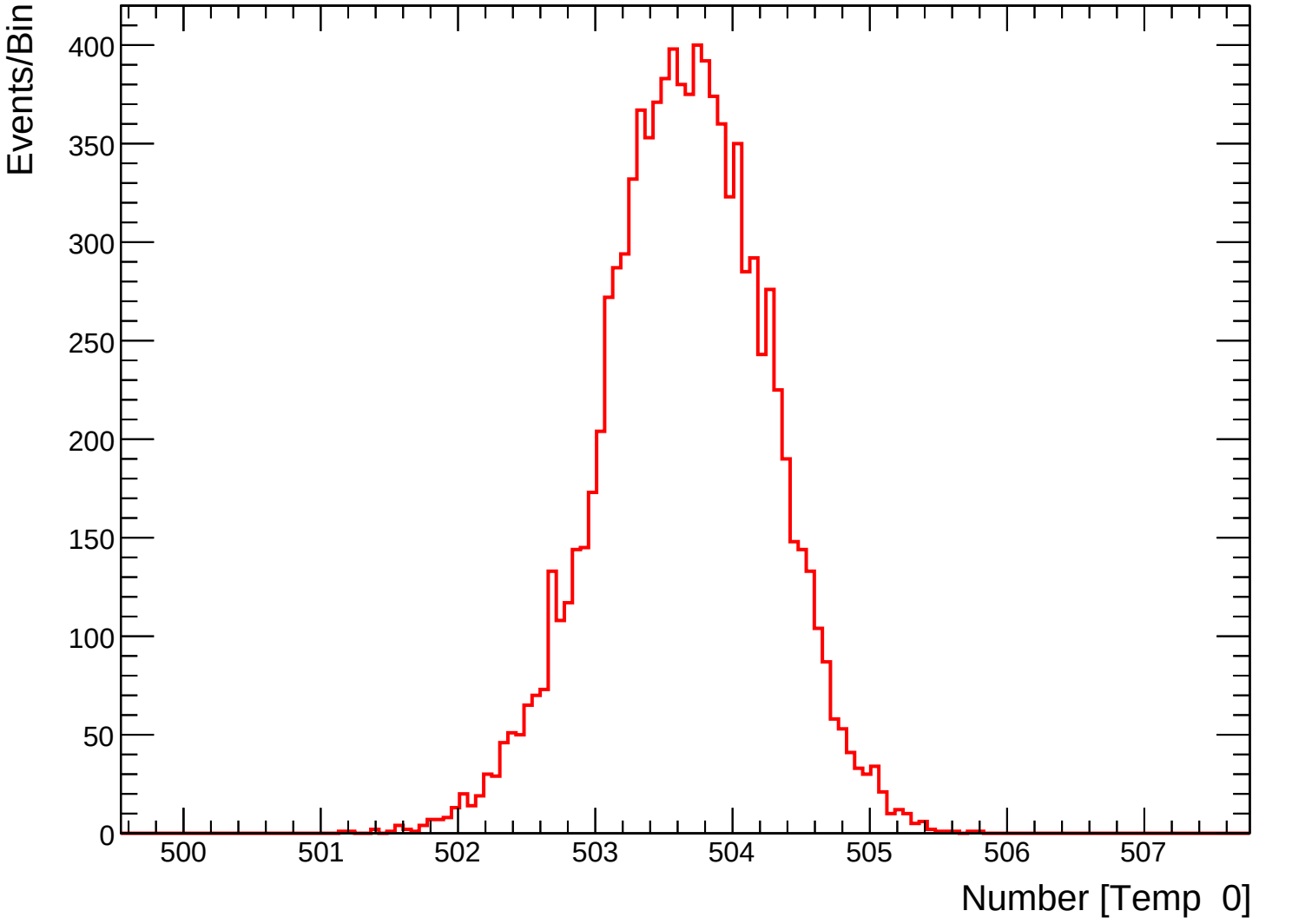

Time 24 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (571.6 ± 24.3)
e⁻+π⁻ (22.5 ± 5.9)
χ² 0.95
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

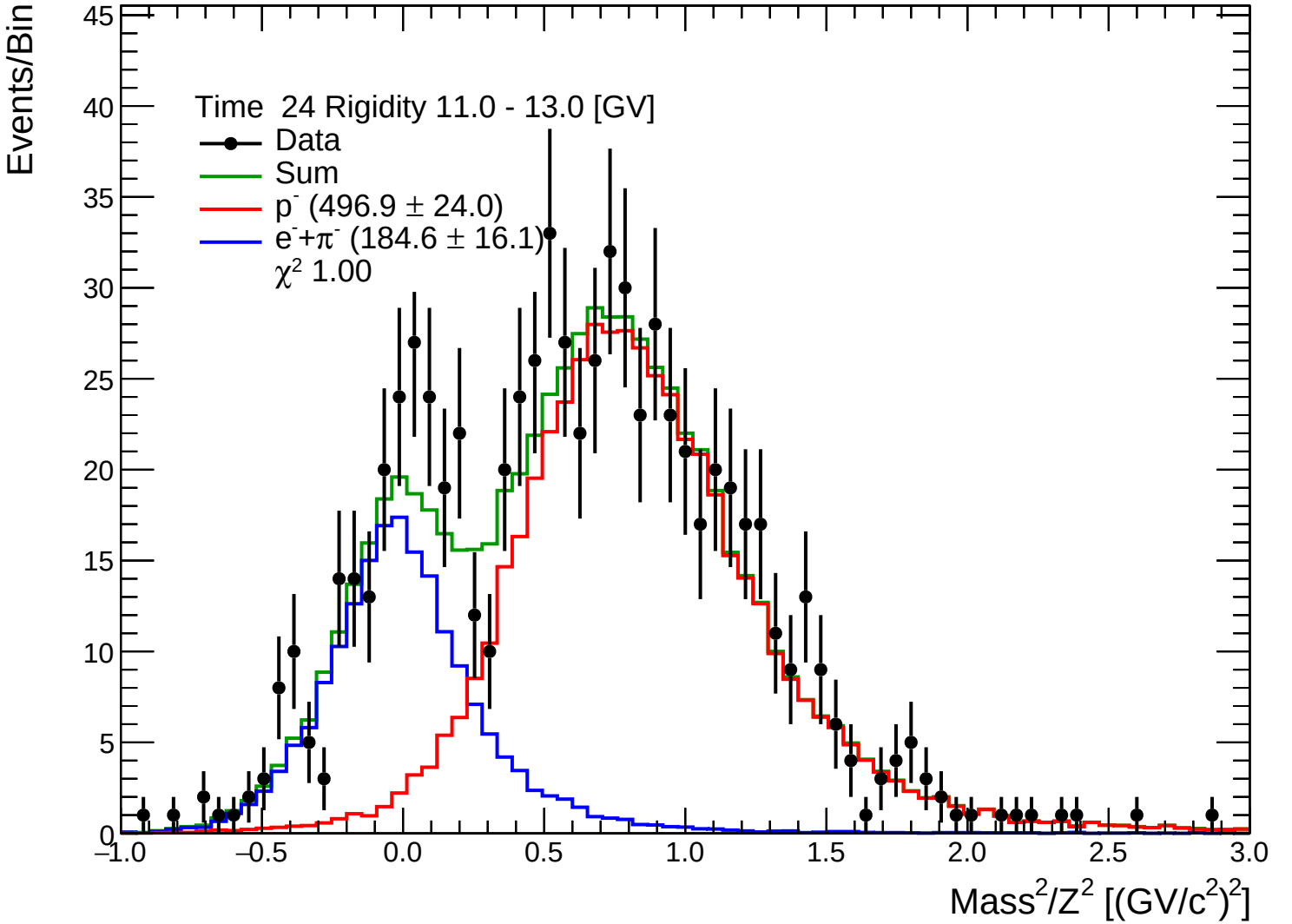

Events/Bin
400
350
300
250
200
150
100
50
0
569.5
570.0
570.5
571.0
571.5
572.0
572.5
573.0
573.5
Number [Temp 0]

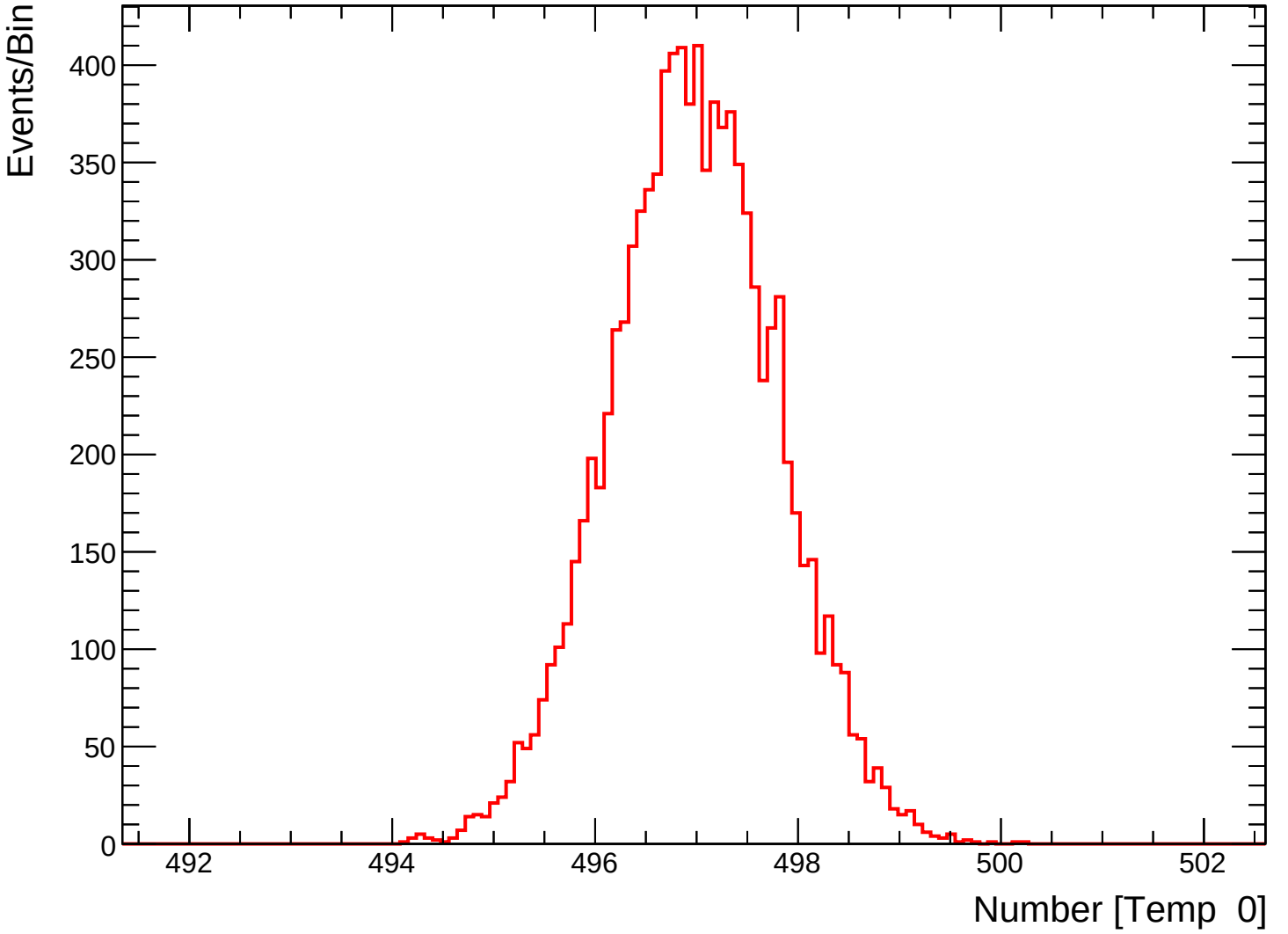

Time 24 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (552.5 ± 24.1)
e⁻+π⁻ (144.3 ± 12.9)
χ² 0.92
Events/Bin
Mass²/Z² [(GV/c²)²]
80
70
60
50
40
30
20
10
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

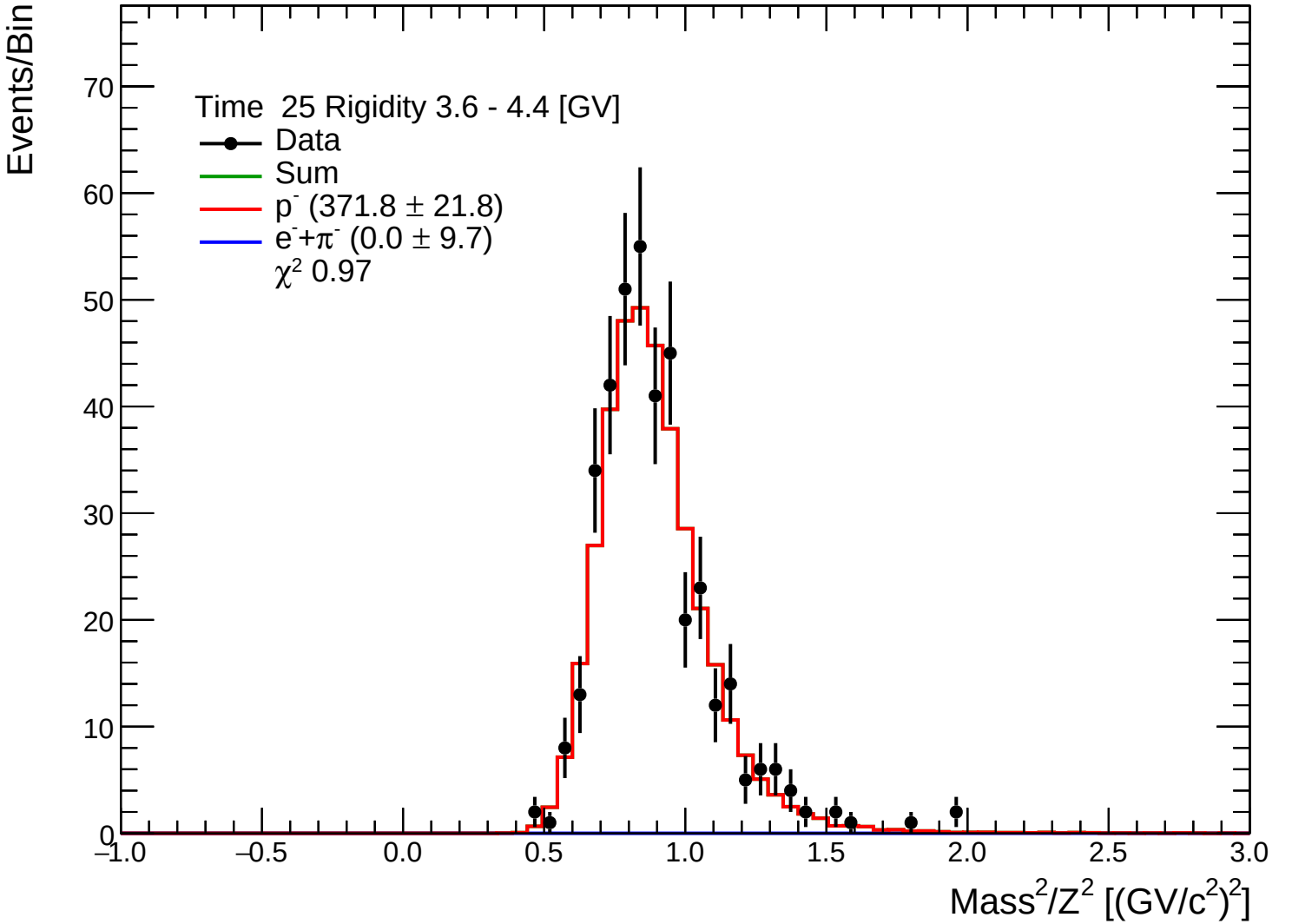

Events/Bin
400
350
300
250
200
150
100
50
0
550
551
552
553
554
555
Number [Temp 0]

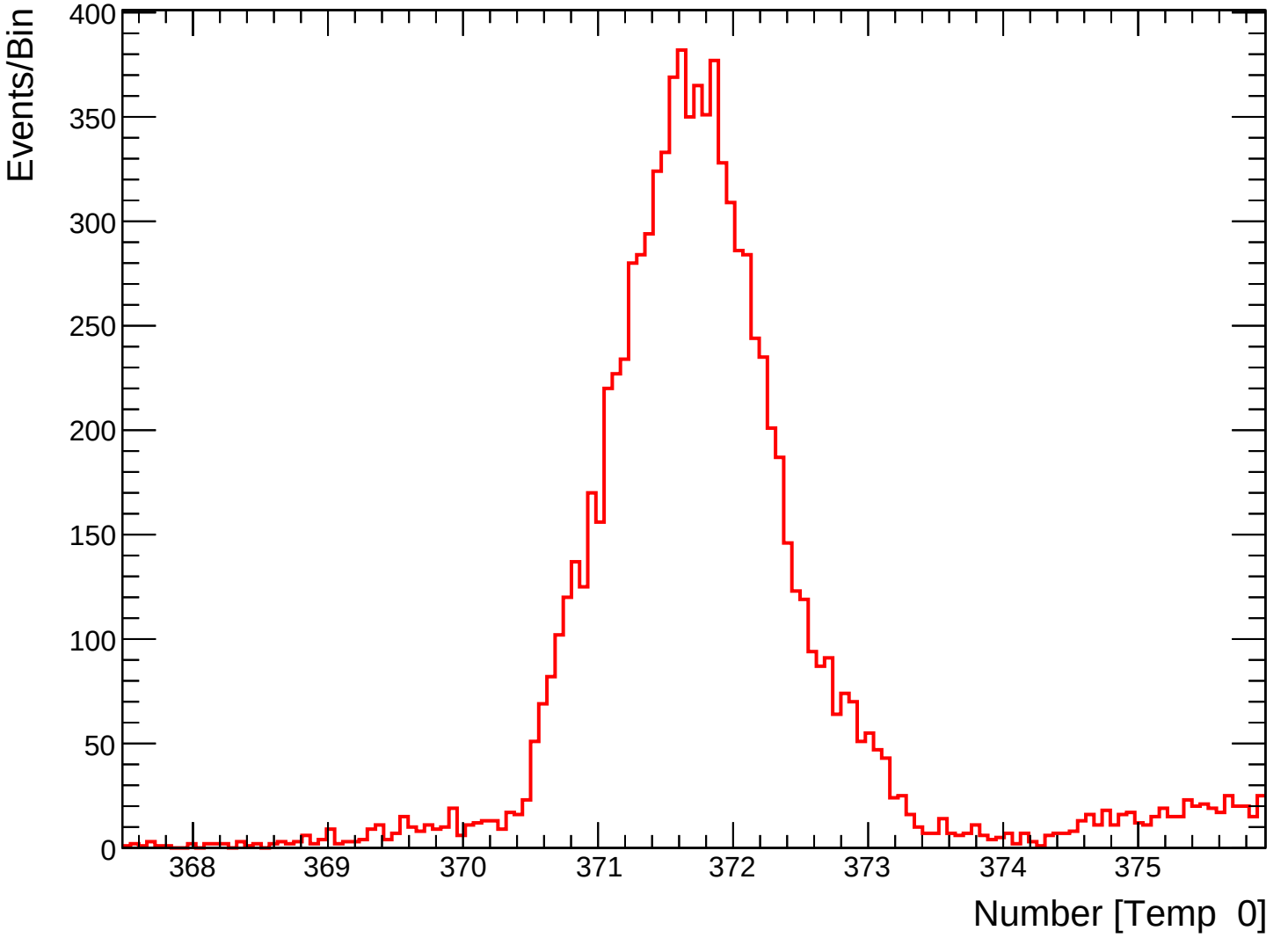

Time 24 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (503.6 ± 23.4)
e⁻+π⁻ (214.1 ± 15.9)
χ² 1.02
Events/Bin
0
10
20
30
40
50
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Mass²/Z² [(GV/c²)²]

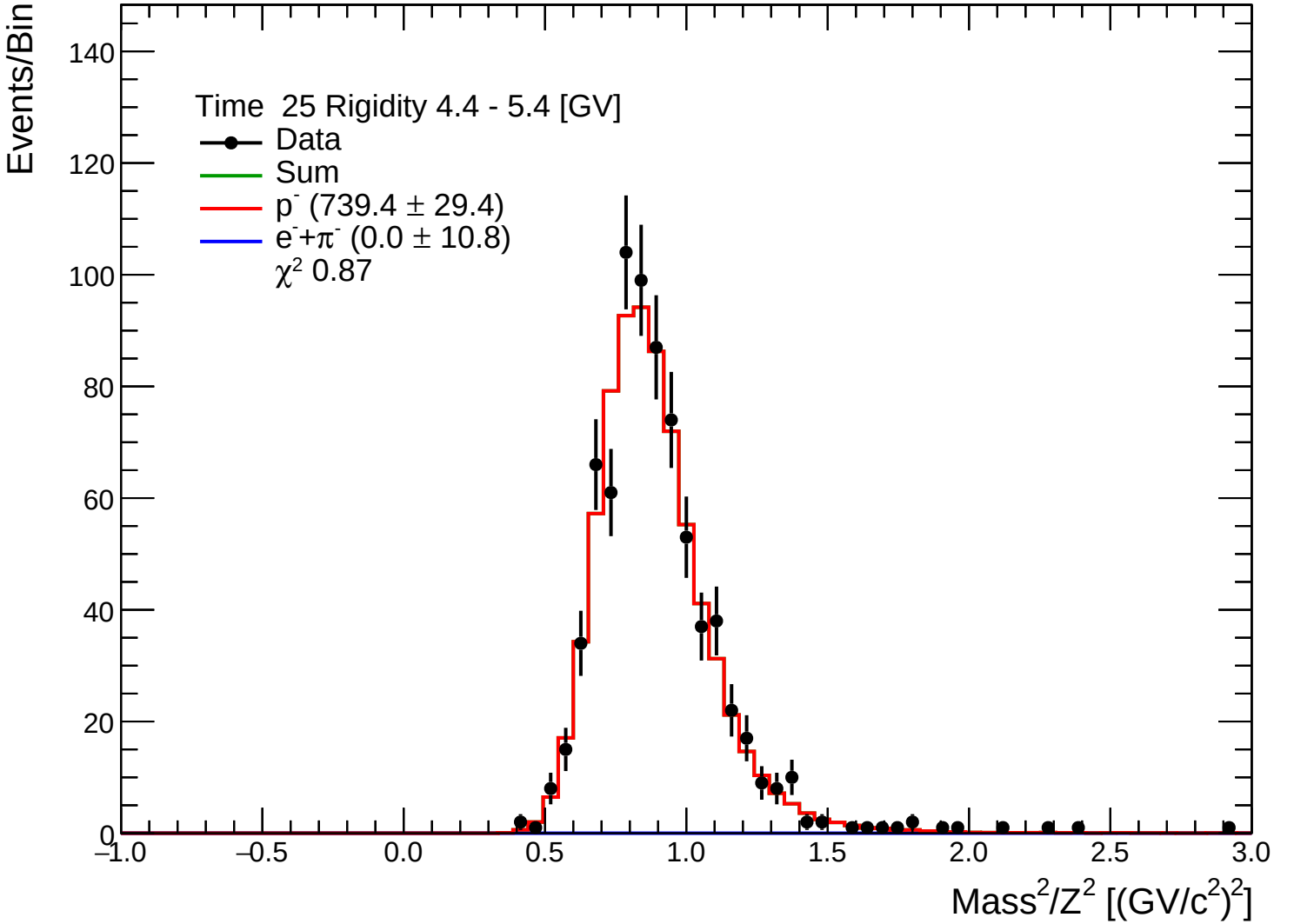

Events/Bin
400
350
300
250
200
150
100
50
0
500
501
502
503
504
505
506
507
Number [Temp 0]

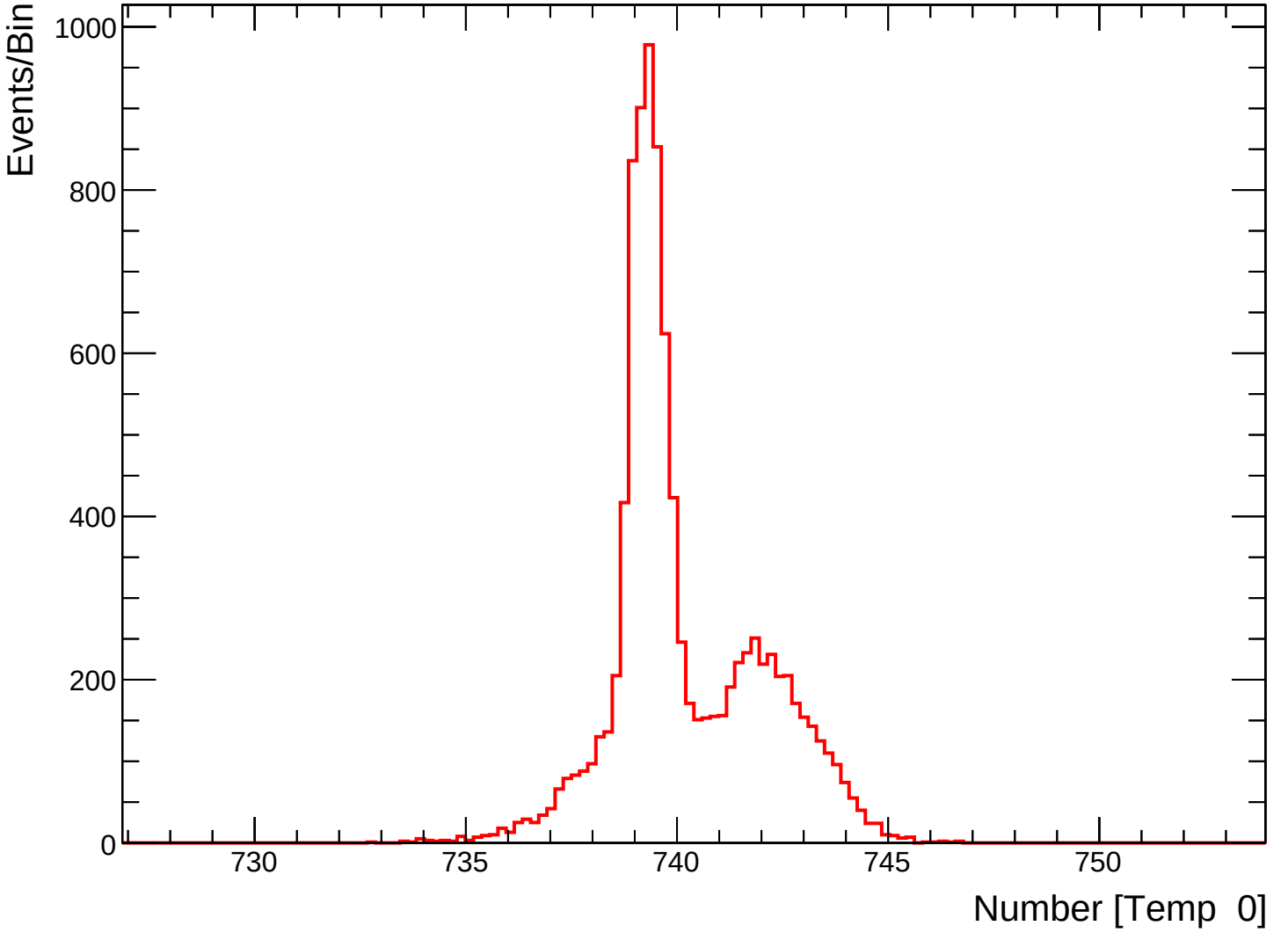

Events/Bin
Time 24 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (496.9 ± 24.0)
e⁻+π⁻ (184.6 ± 16.1)
χ² 1.00
Mass²/Z² [(GV/c²)²]

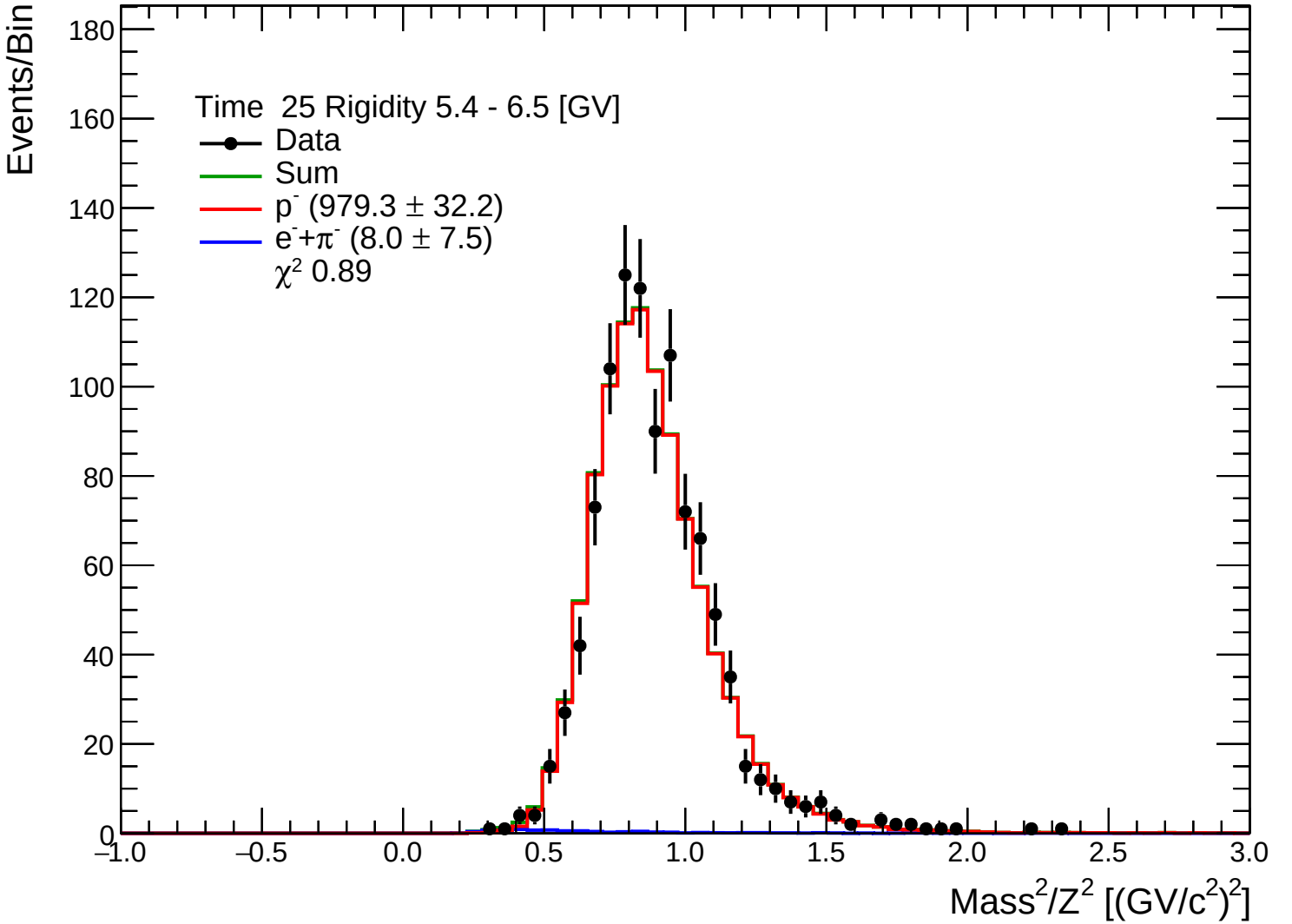

Events/Bin
400
350
300
250
200
150
100
50
0
492
494
496
498
500
502
Number [Temp 0]

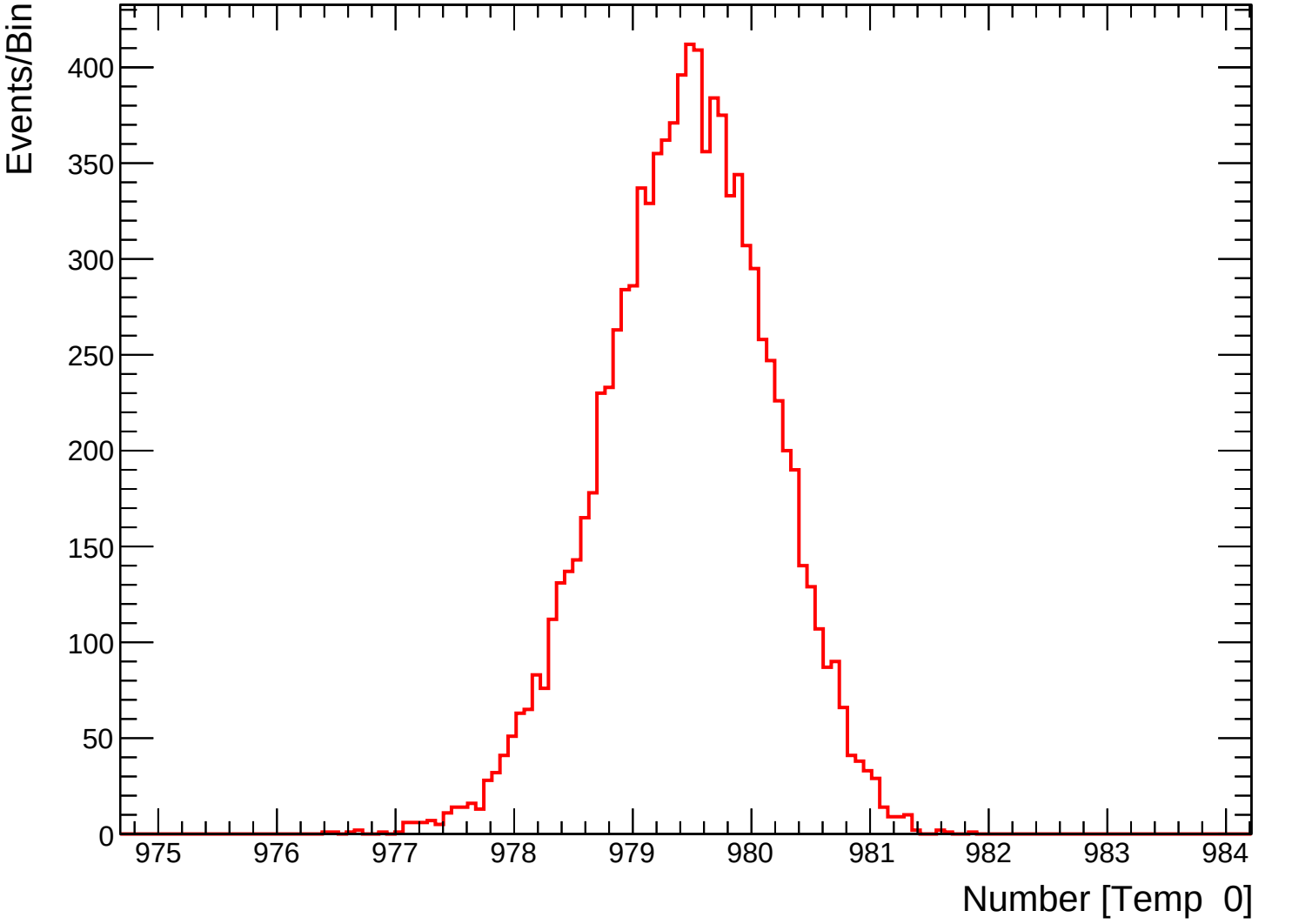

Time 25 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (371.8 ± 21.8)
e⁻+π⁻ (0.0 ± 9.7)
χ² 0.97
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

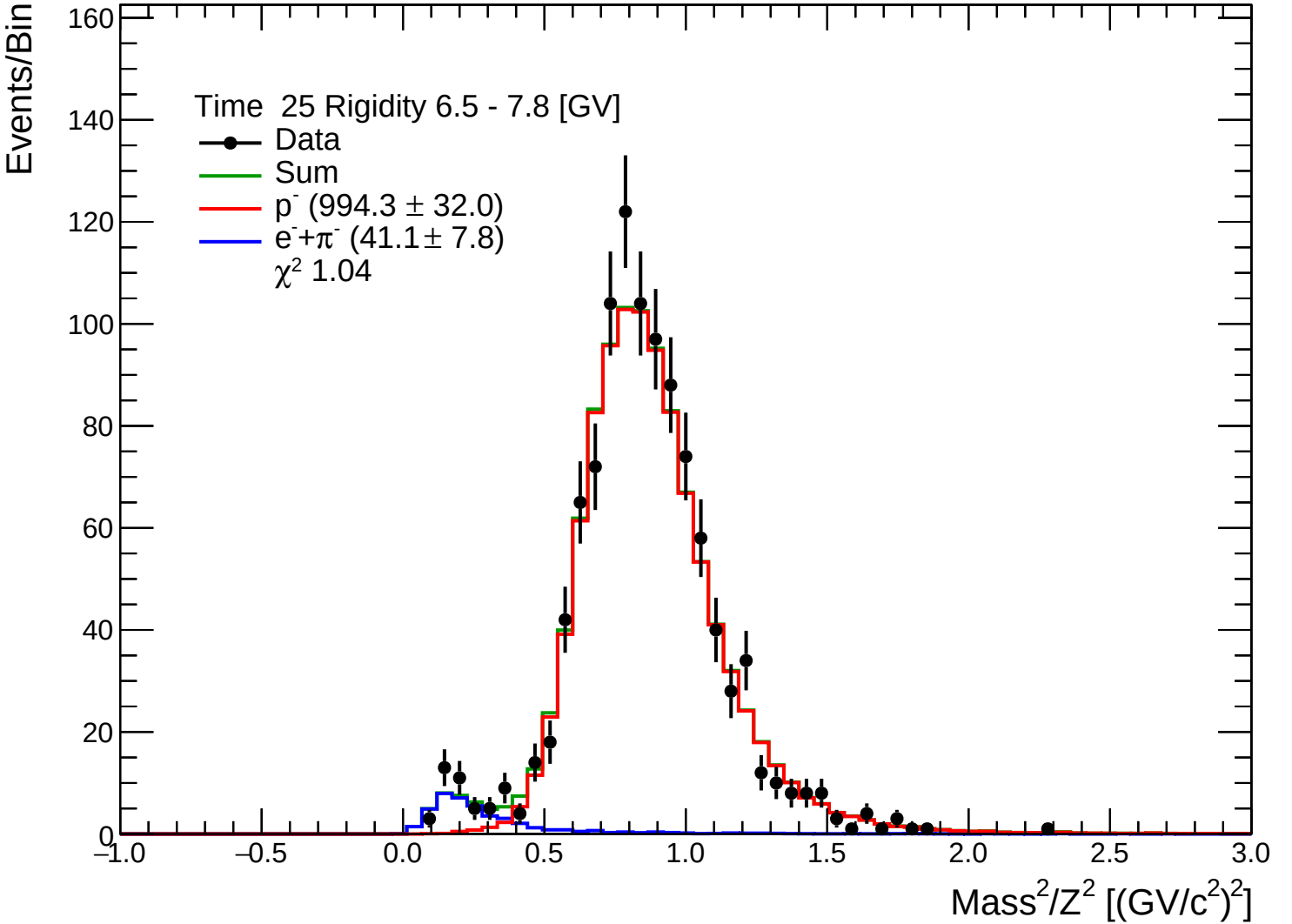

Events/Bin
400
350
300
250
200
150
100
50
0
368
369
370
371
372
373
374
375
Number [Temp 0]

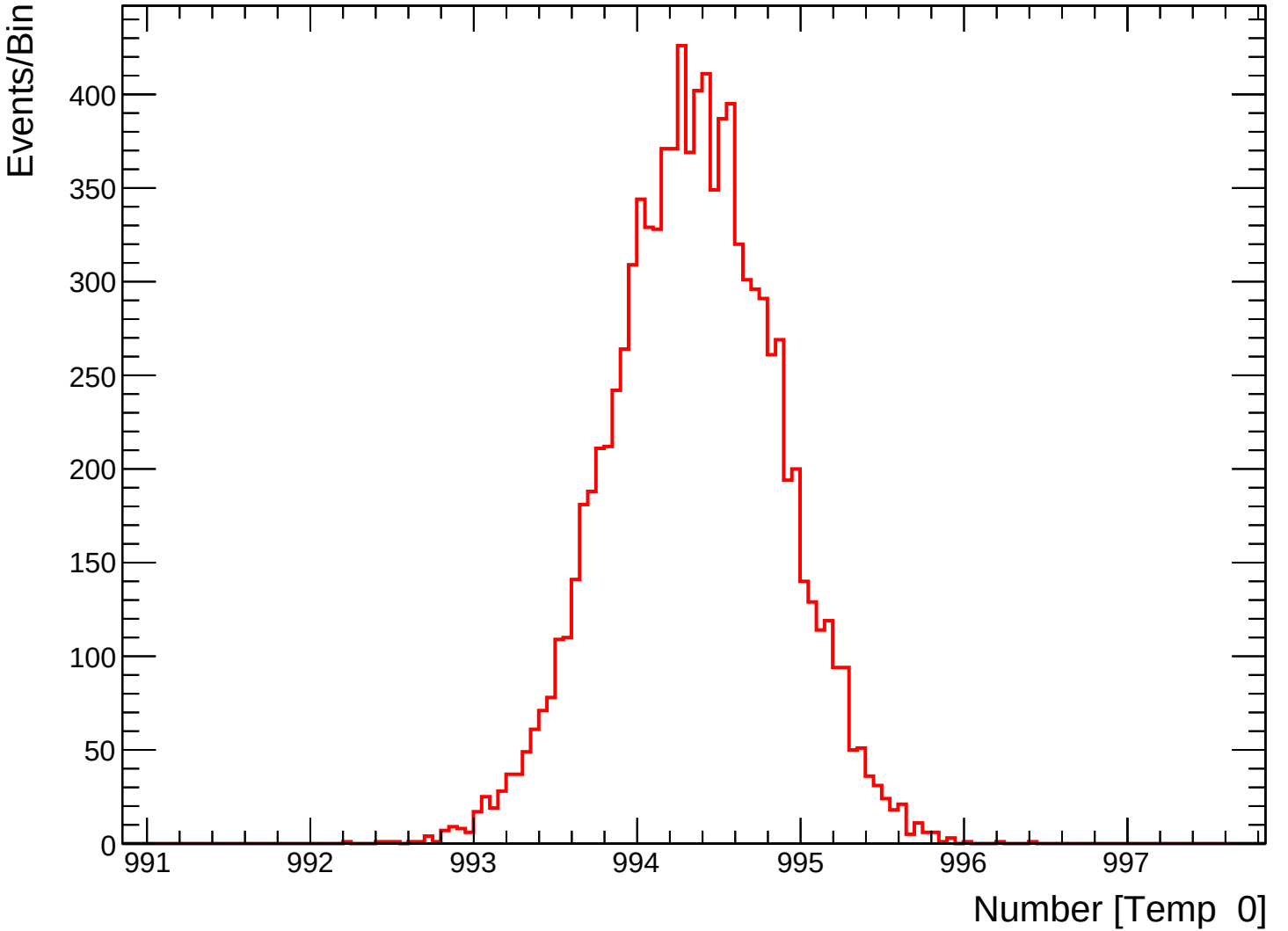

Time 25 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (739.4 ± 29.4)
e⁻+π⁻ (0.0 ± 10.8)
χ² 0.87
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

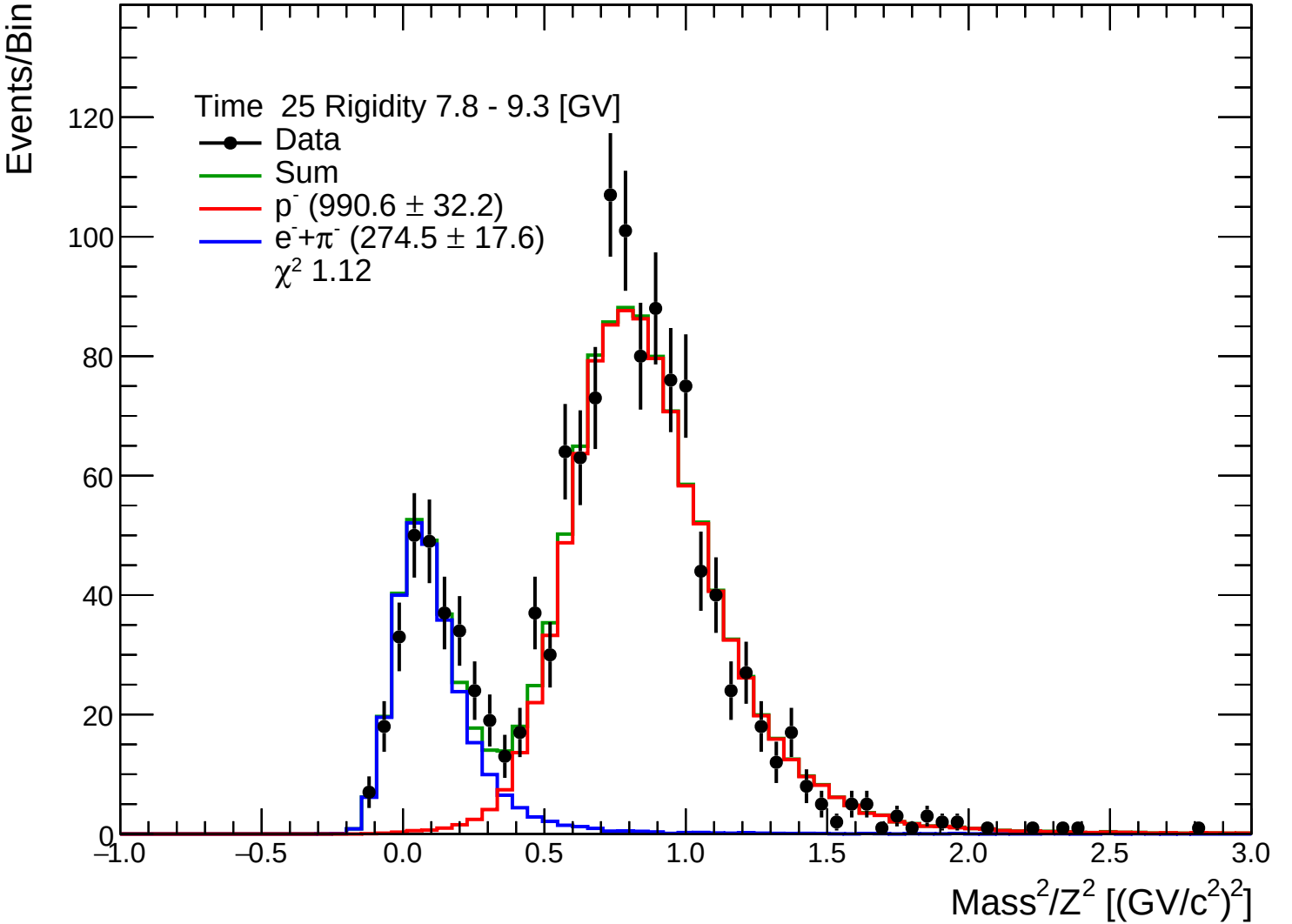

Events/Bin
1000
800
600
400
200
0
730
735
740
745
750
Number [Temp 0]

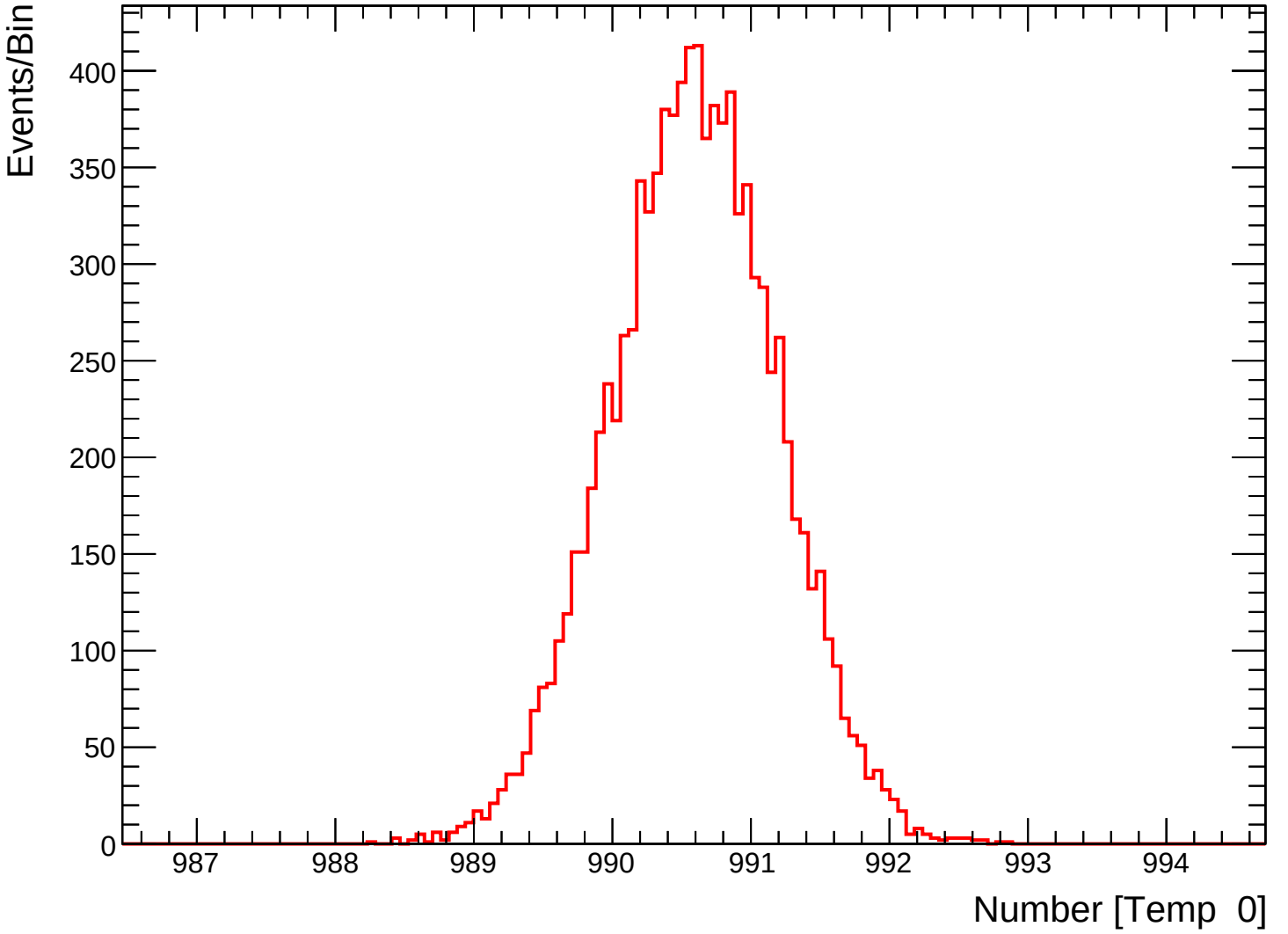

Time 25 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (979.3 ± 32.2)
e⁻+π⁻ (8.0 ± 7.5)
χ² 0.89
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

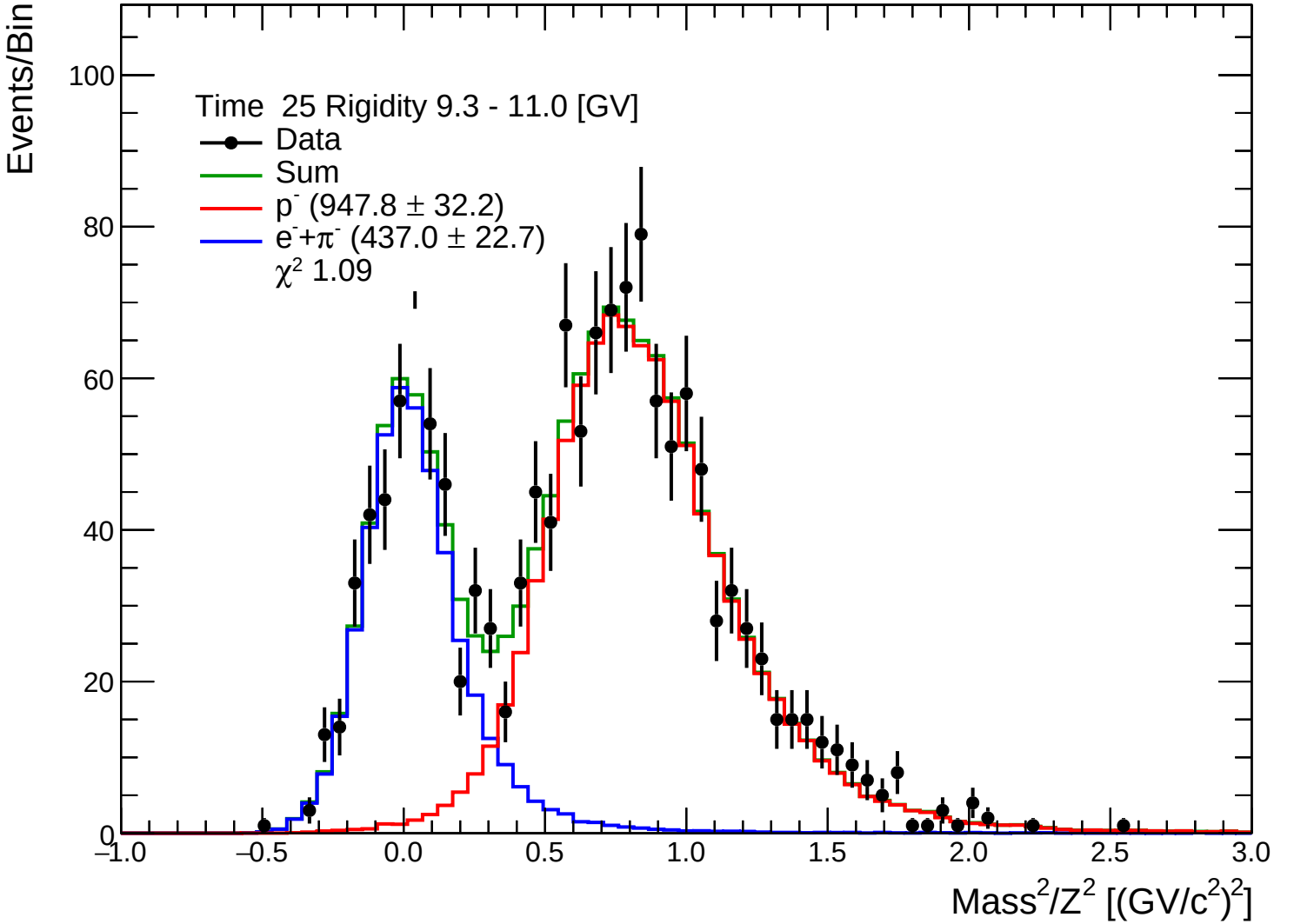

Events/Bin
400
350
300
250
200
150
100
50
0
975
976
977
978
979
980
981
982
983
984
Number [Temp 0]

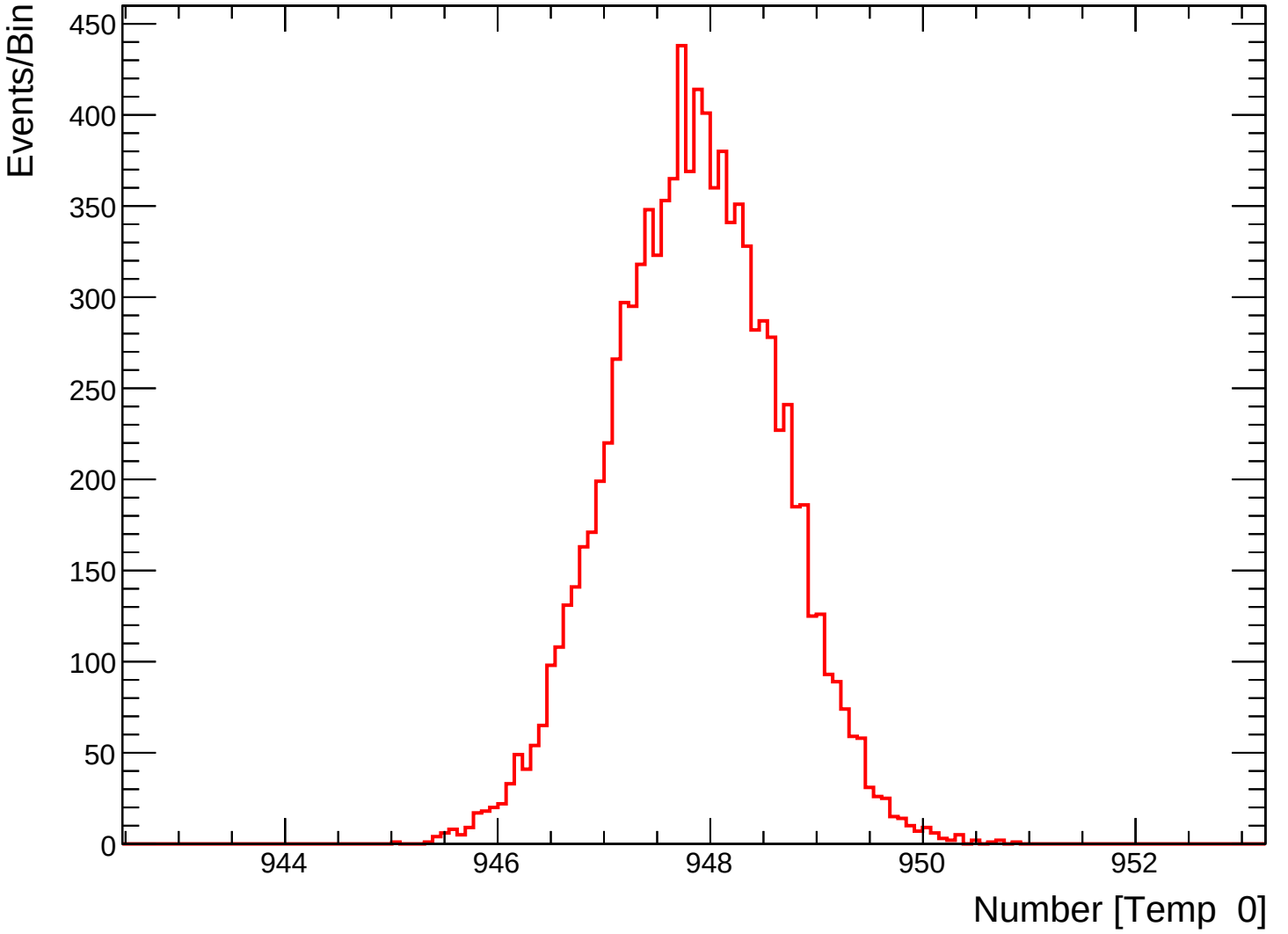

Time 25 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (994.3 ± 32.0)
e⁻+π⁻ (41.1± 7.8)
χ² 1.04
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

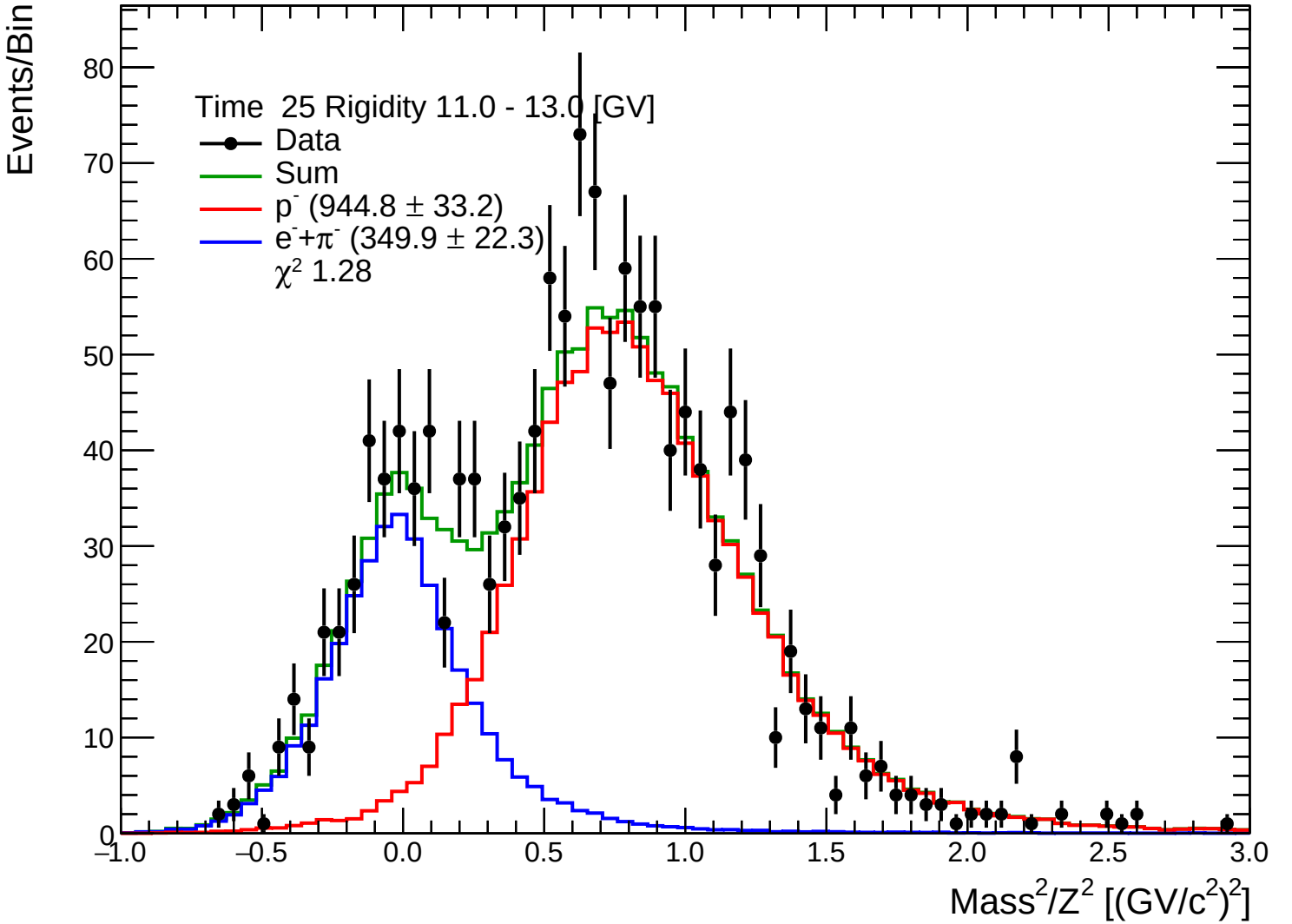

Events/Bin
400
350
300
250
200
150
100
50
0
991
992
993
994
995
996
997
Number [Temp 0]

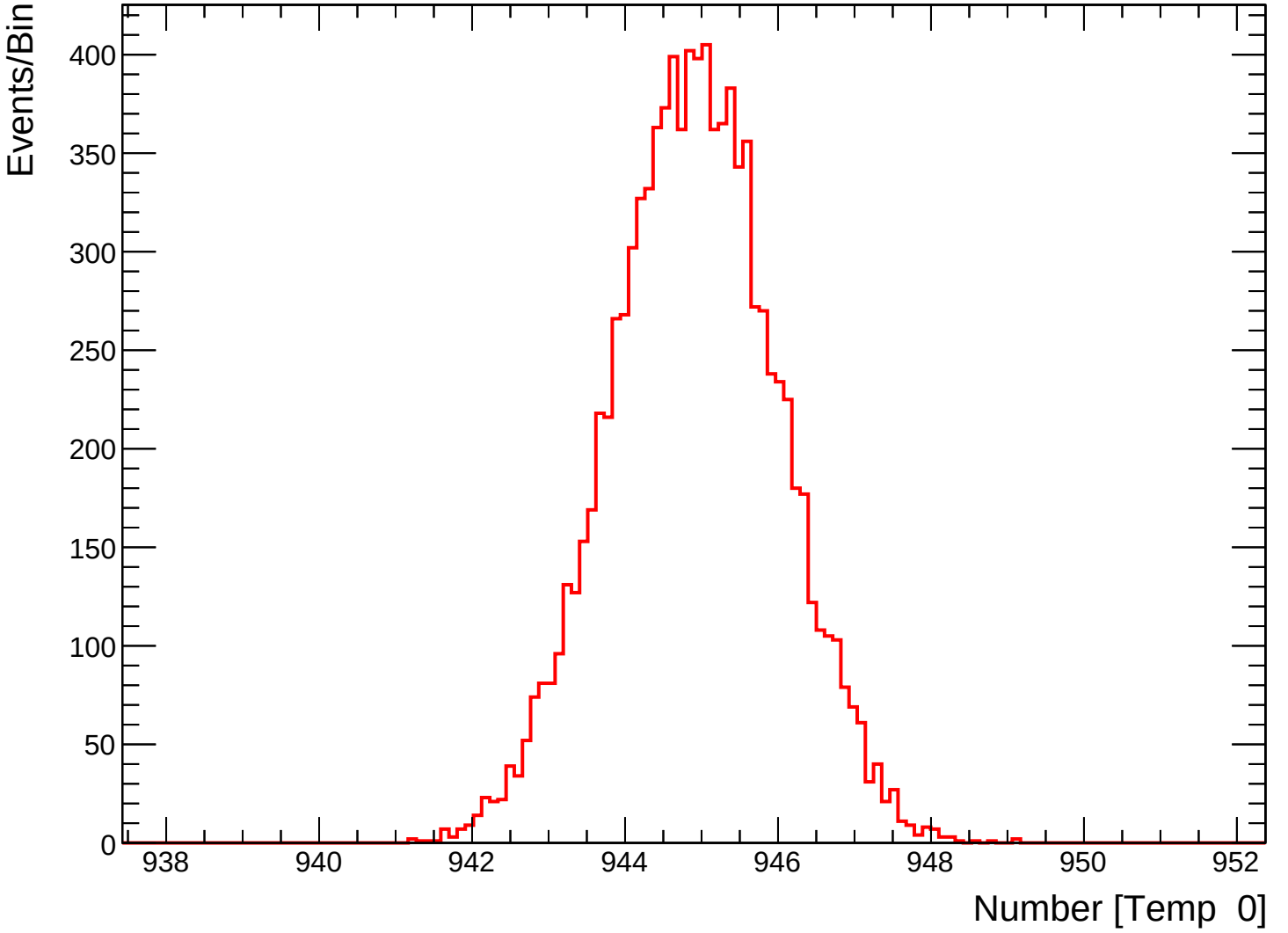

Time 25 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (990.6 ± 32.2)
e⁻+π⁻ (274.5 ± 17.6)
χ² 1.12
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

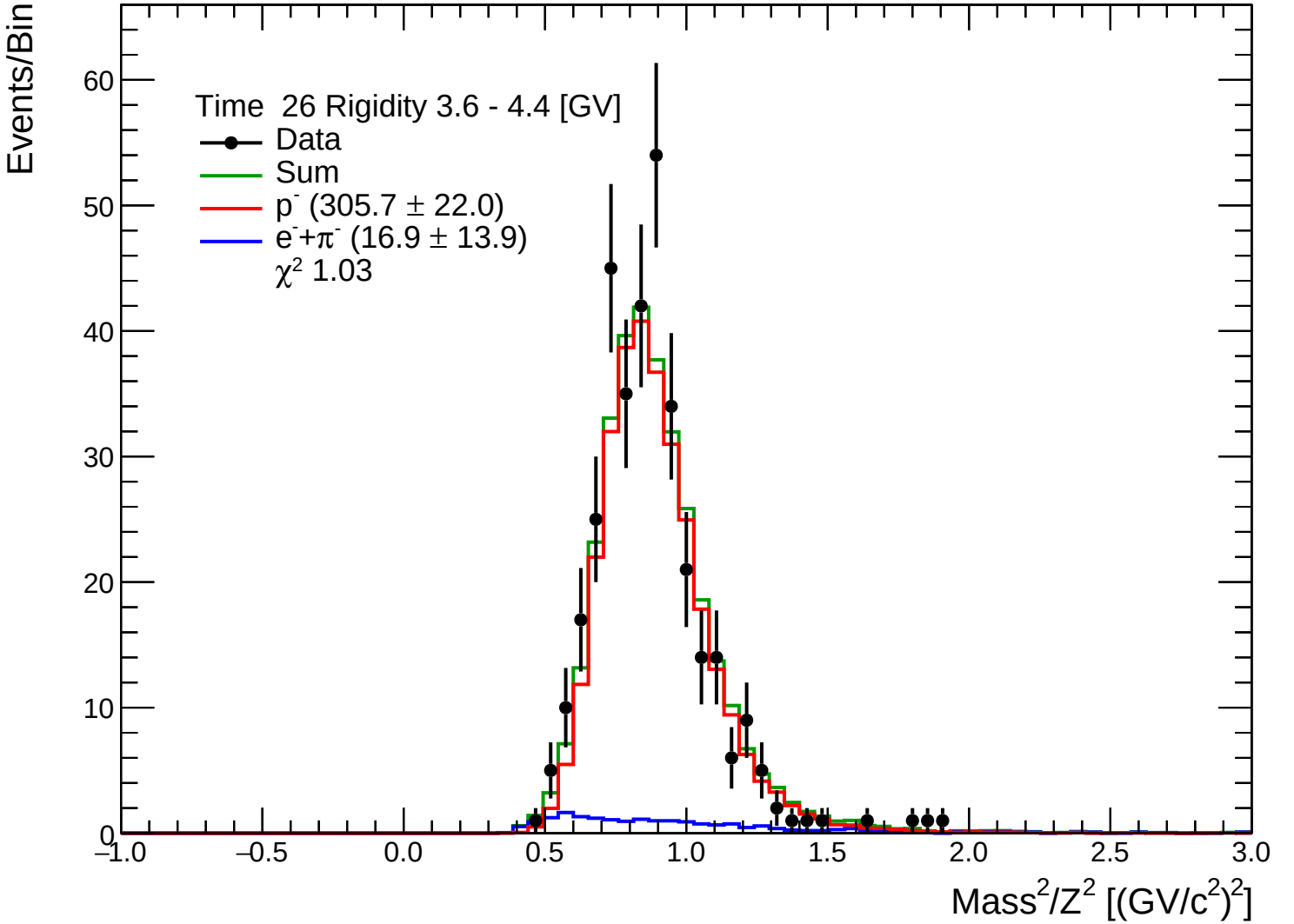

Events/Bin
400
350
300
250
200
150
100
50
0
987
988
989
990
991
992
993
994
Number [Temp 0]

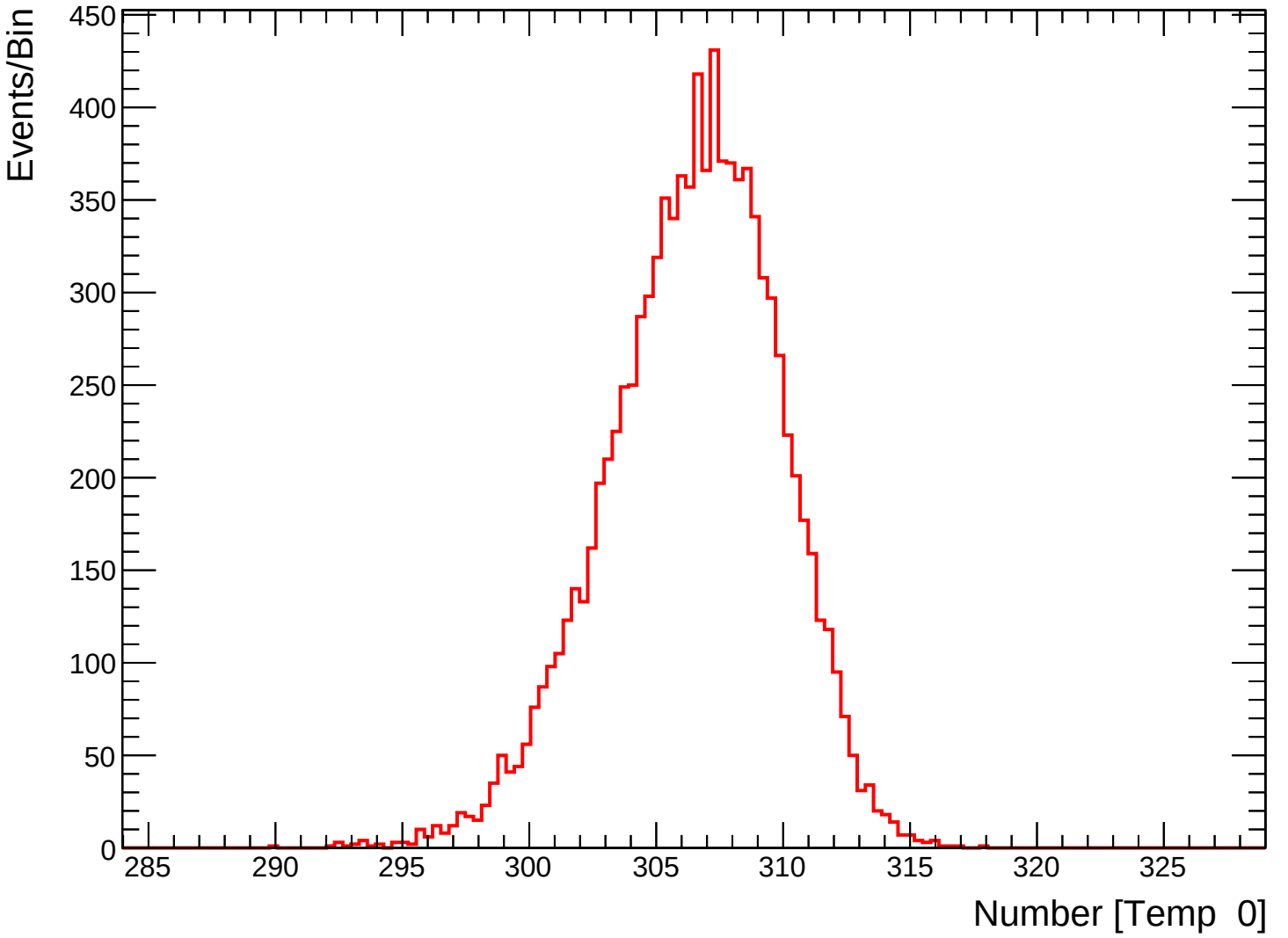

Events/Bin
Time 25 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (947.8 ± 32.2)
e⁻+π⁻ (437.0 ± 22.7)
χ² 1.09
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Mass²/Z² [(GV/c²)²]

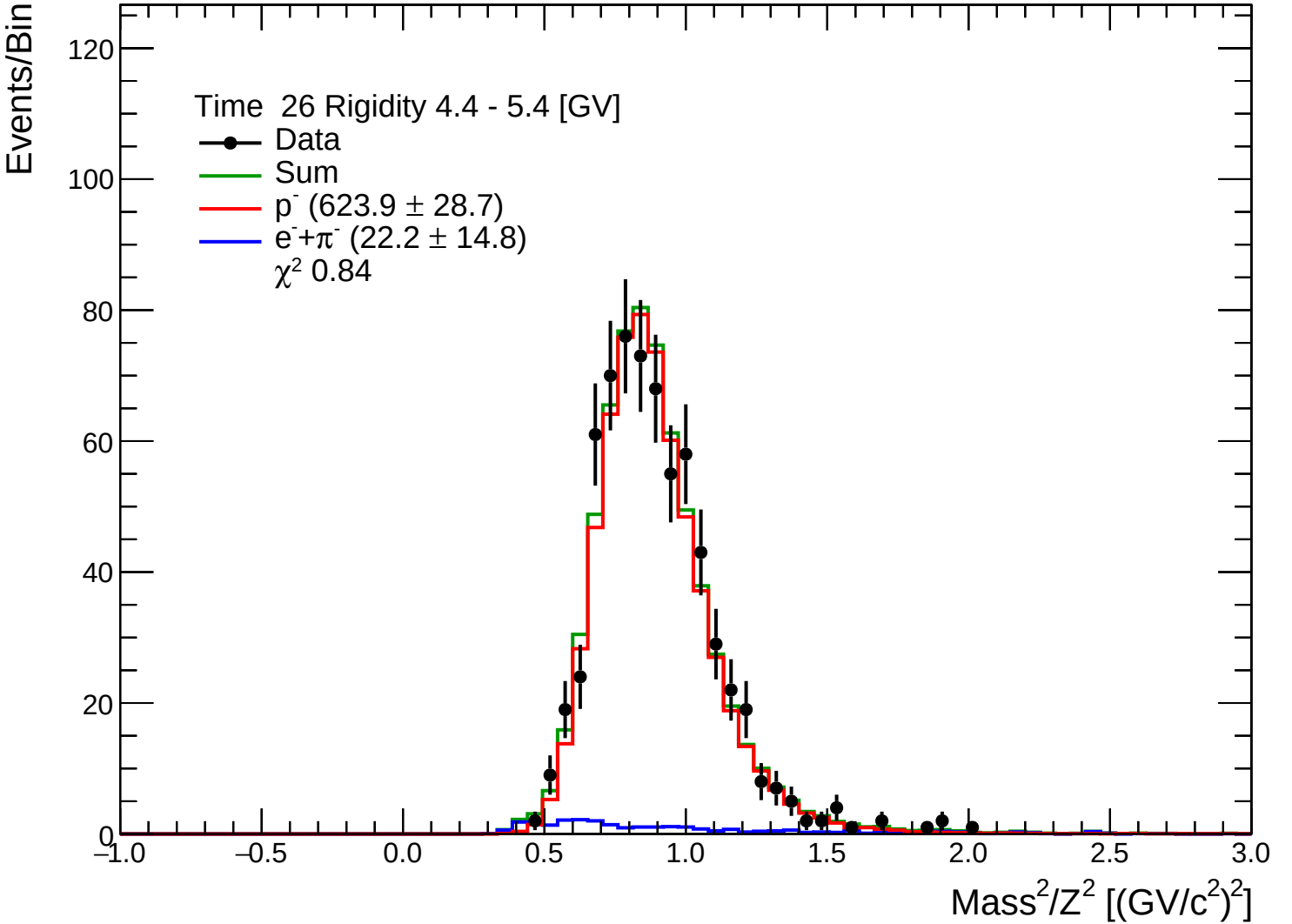

Events/Bin
450
400
350
300
250
200
150
100
50
0
944
946
948
950
952
Number [Temp 0]

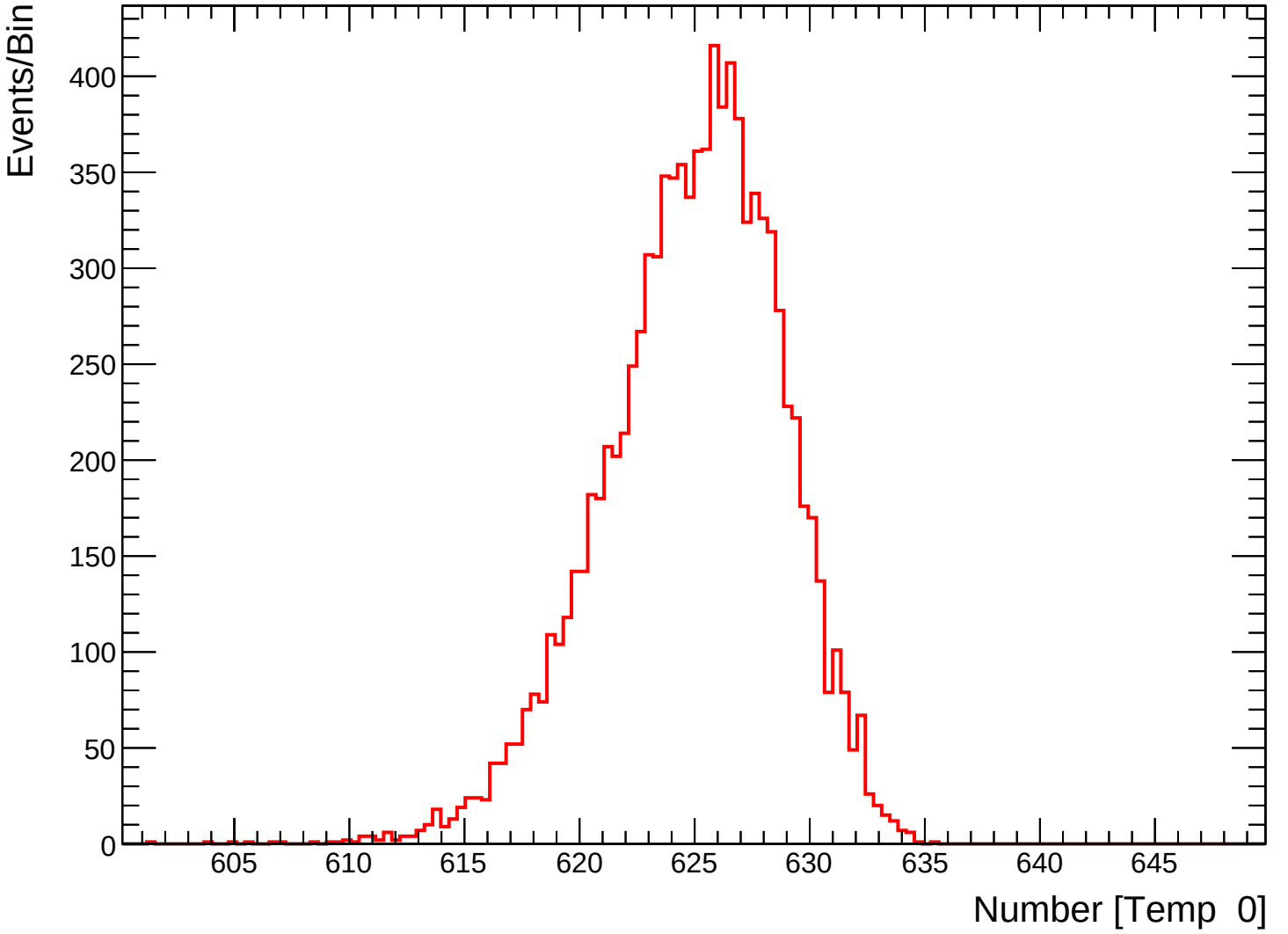

Time 25 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (944.8 ± 33.2)
e⁻+π⁻ (349.9 ± 22.3)
χ² 1.28
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

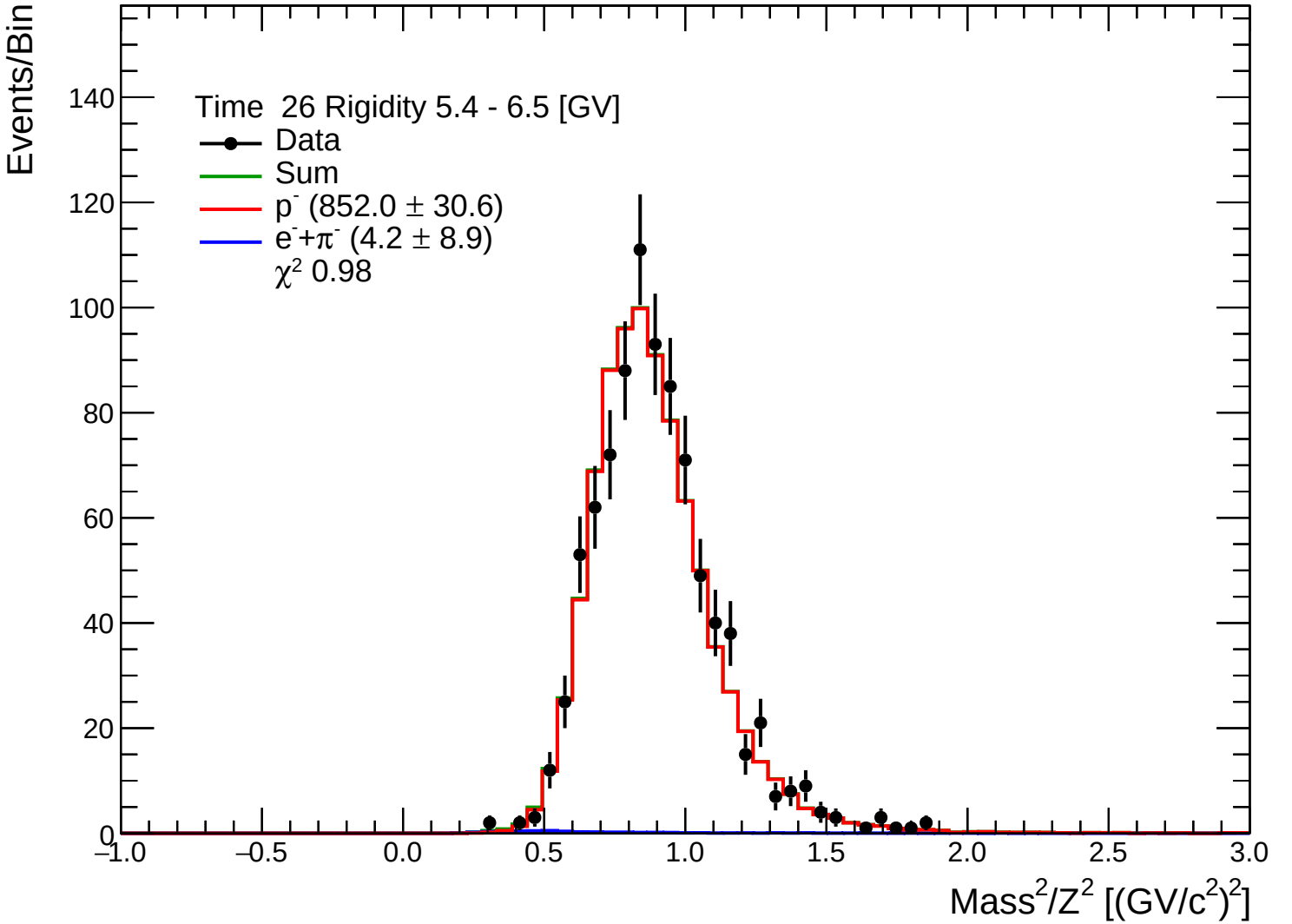

Events/Bin
400
350
300
250
200
150
100
50
0
938
940
942
944
946
948
950
952
Number [Temp 0]

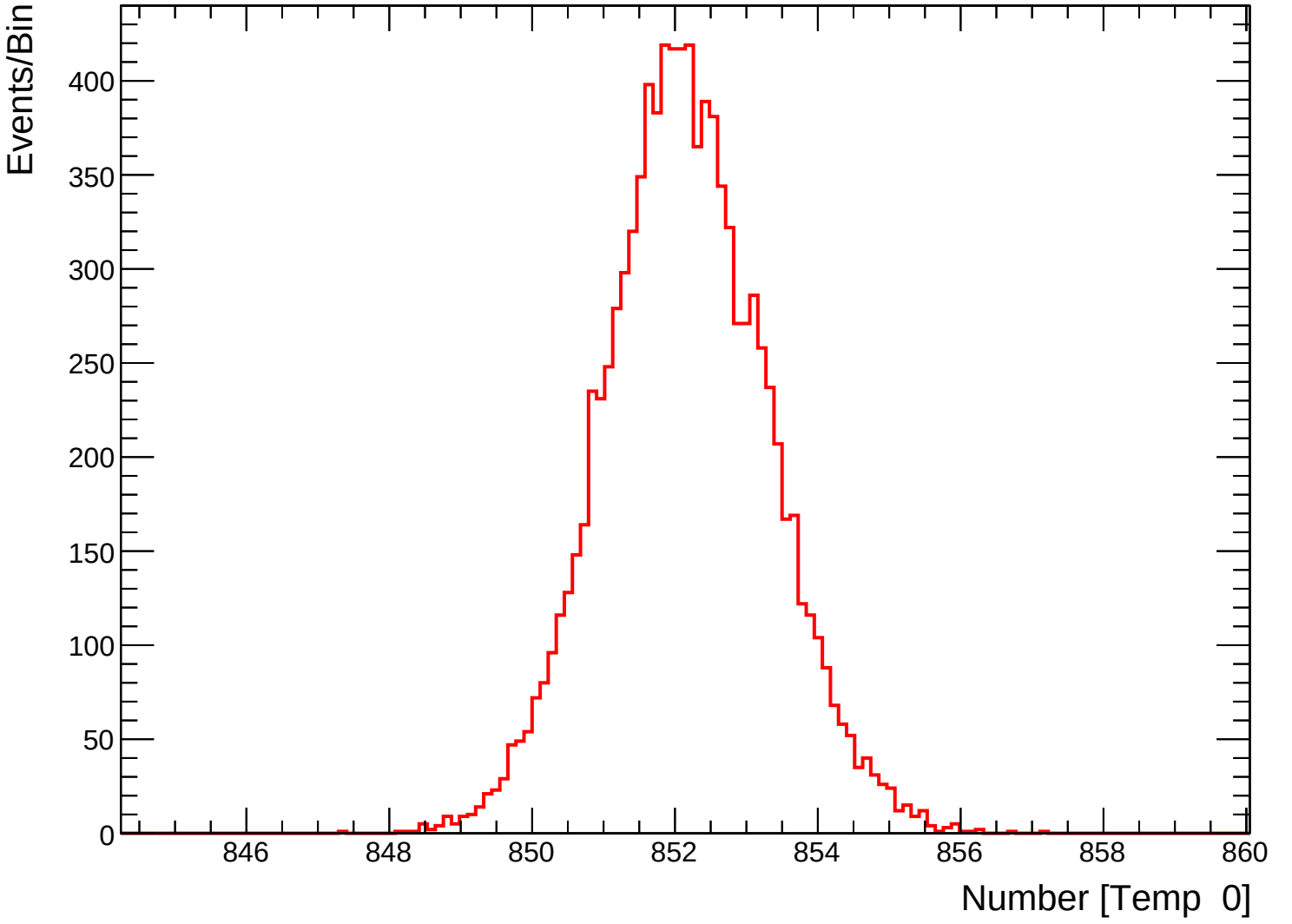

Time 26 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (305.7 ± 22.0)
e⁻+π⁻ (16.9 ± 13.9)
χ² 1.03
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

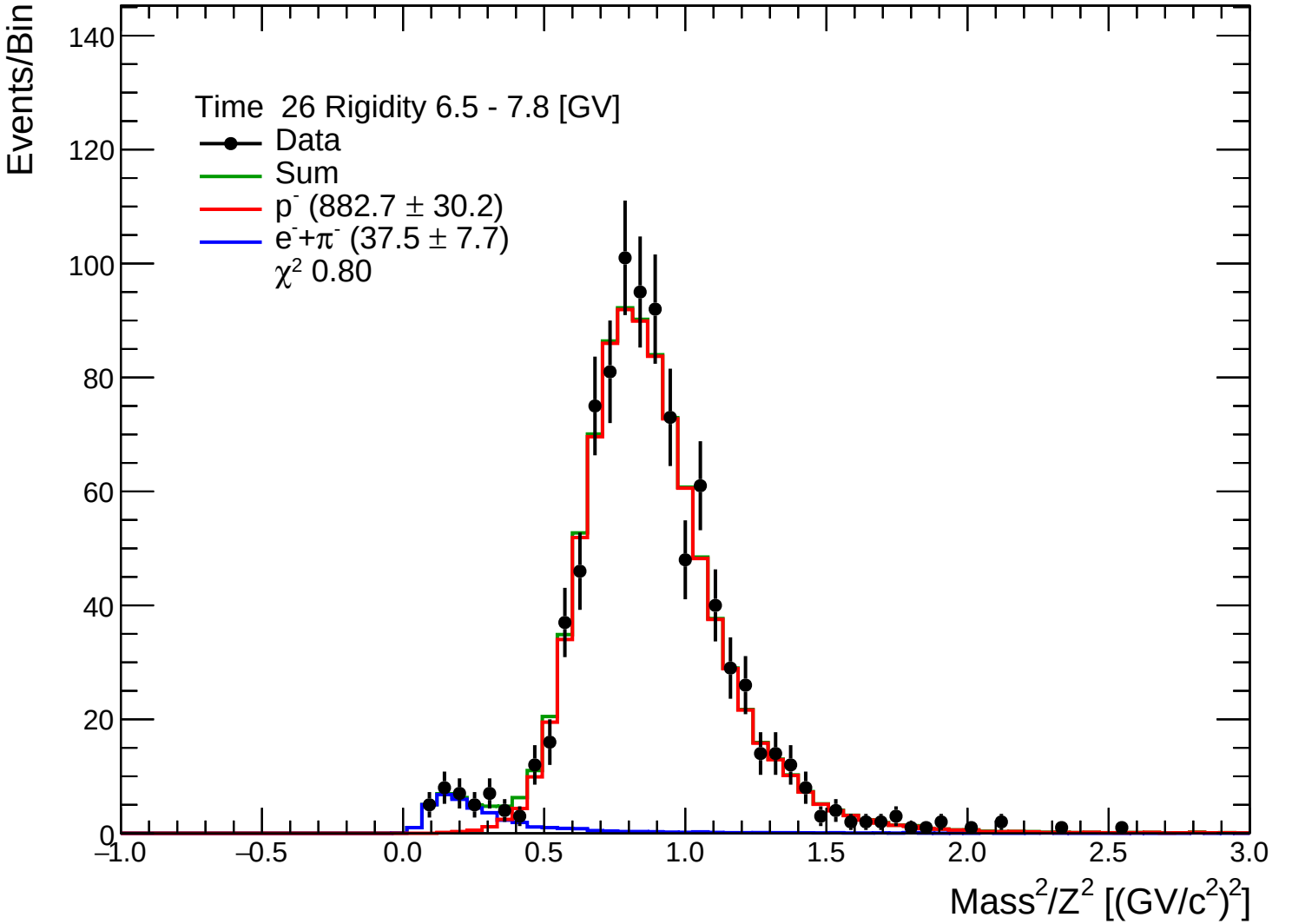

Events/Bin
450
400
350
300
250
200
150
100
50
0
285
290
295
300
305
310
315
320
325
Number [Temp 0]

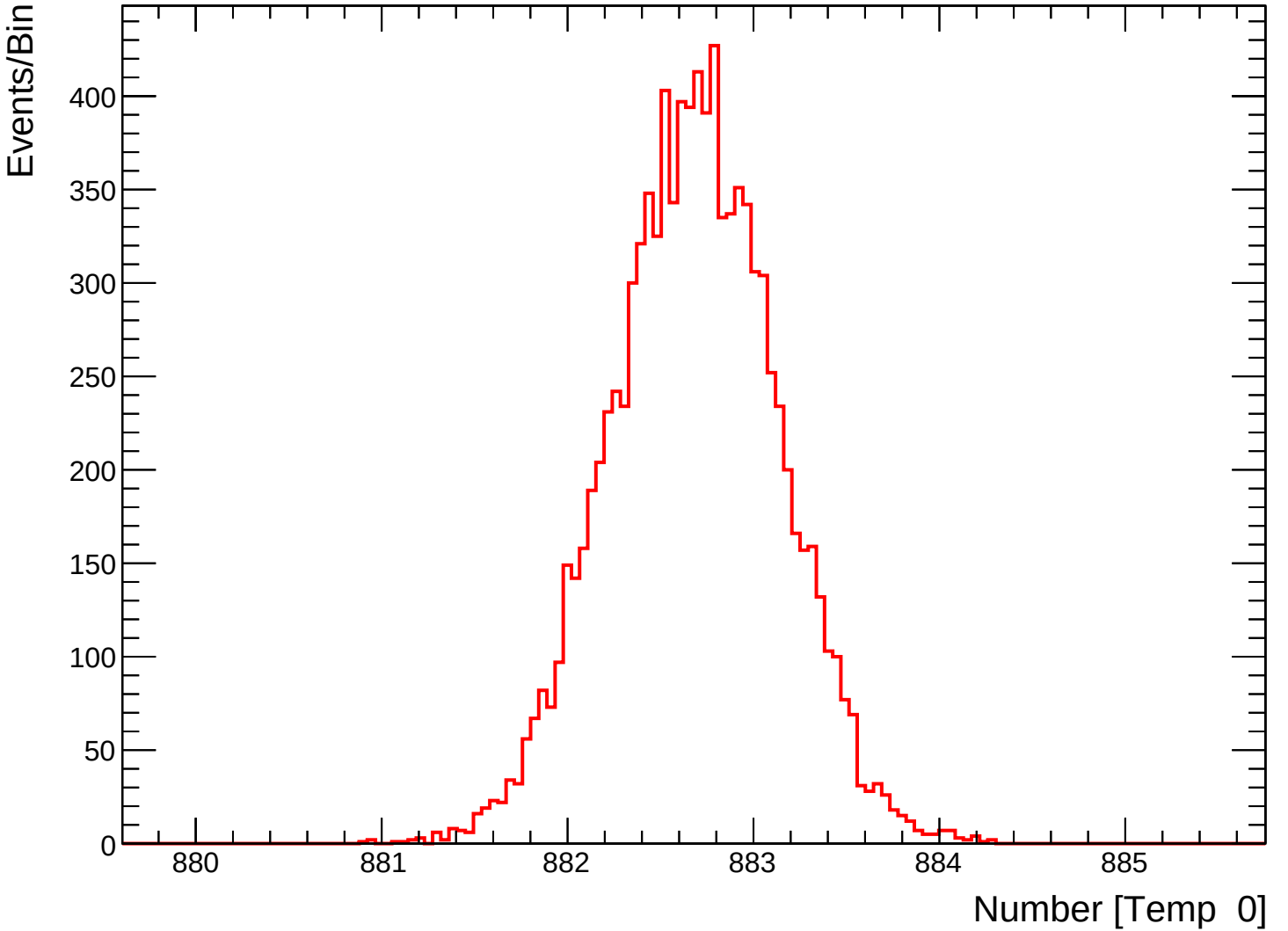

Time 26 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (623.9 ± 28.7)
e⁻+π⁻ (22.2 ± 14.8)
χ² 0.84
Events/Bin
Mass²/Z² [(GV/c²)²]
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

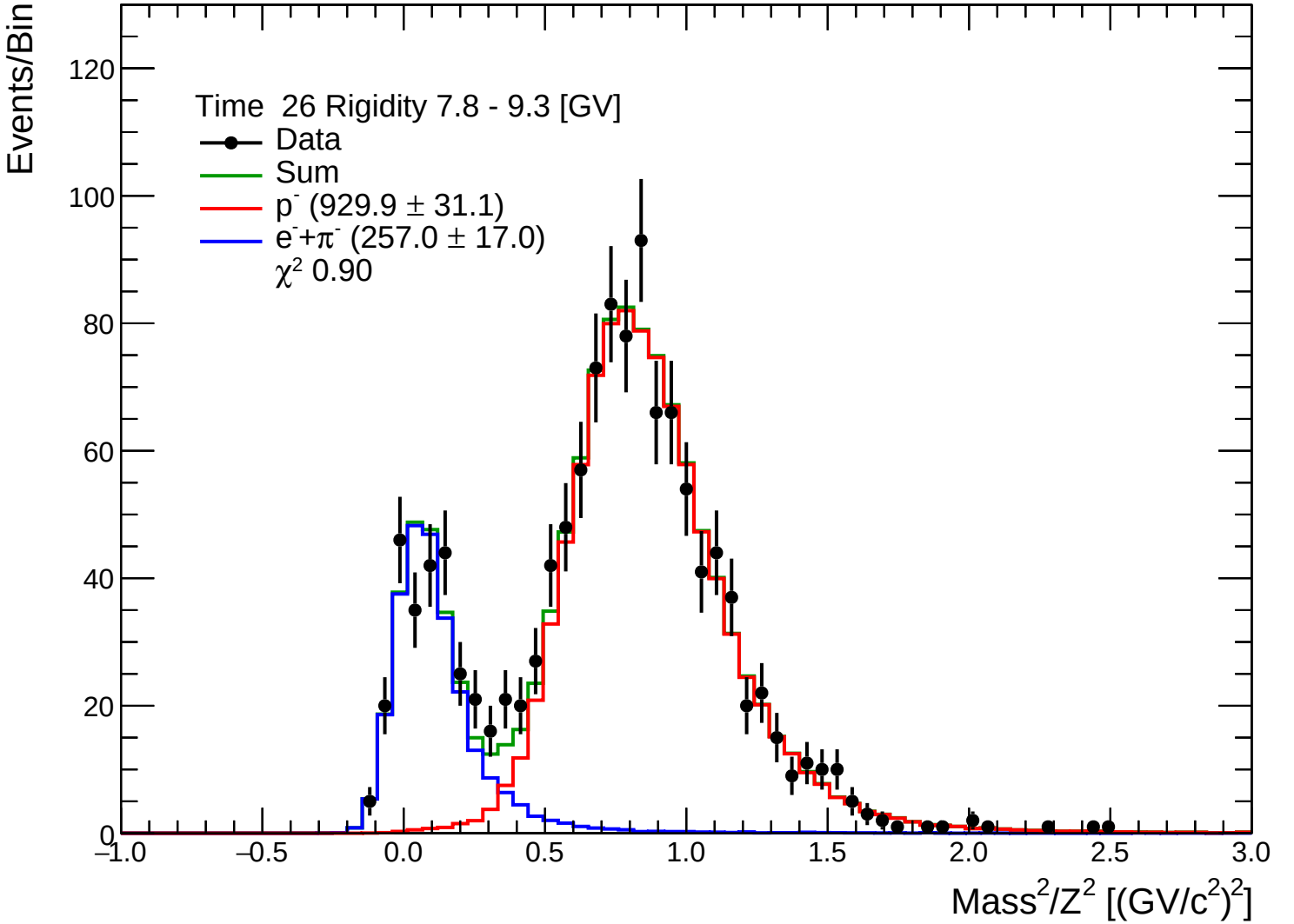

Events/Bin
400
350
300
250
200
150
100
50
0
605
610
615
620
625
630
635
640
645
Number [Temp 0]

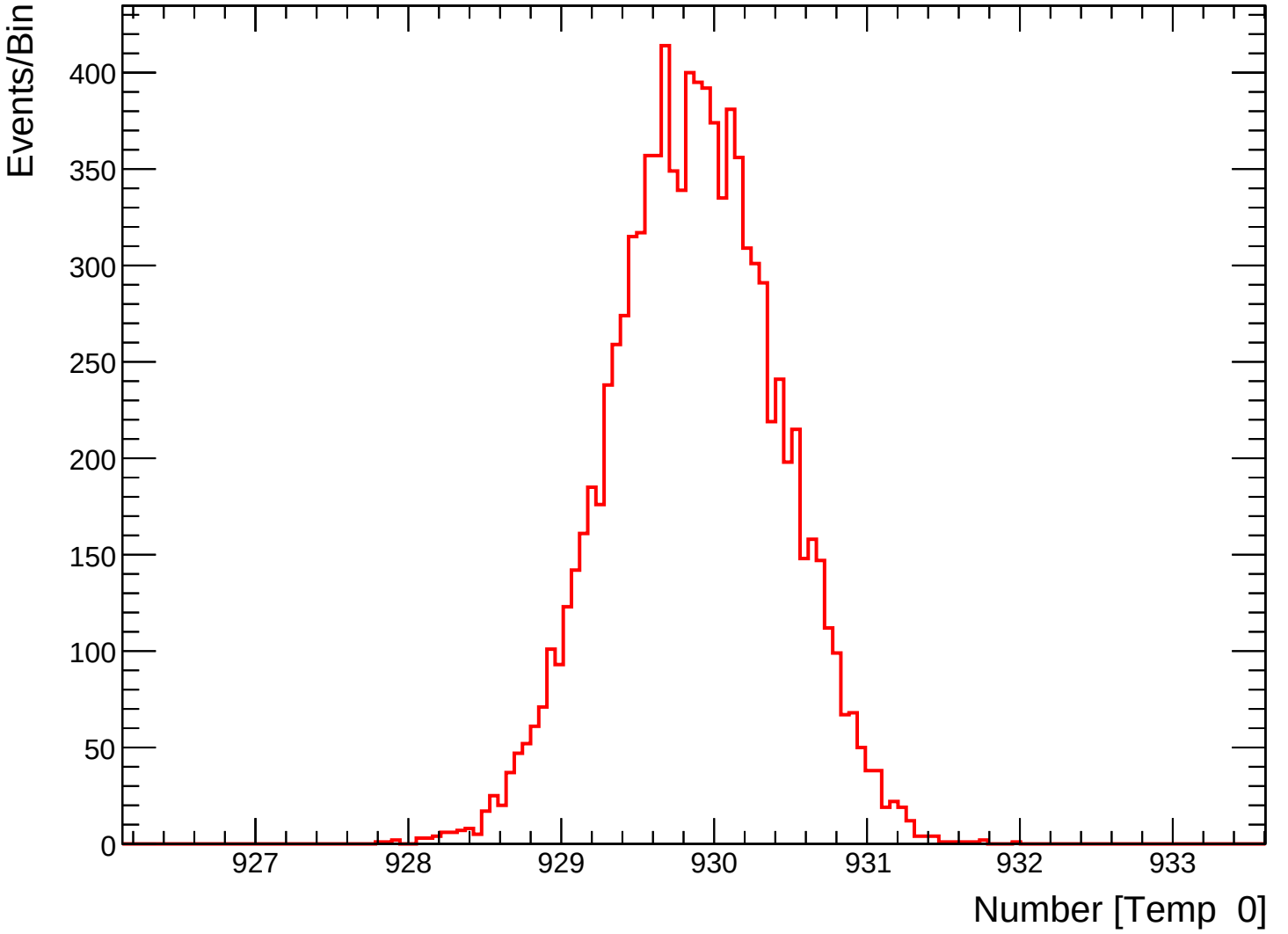

Time 26 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (852.0 ± 30.6)
e⁻+π⁻ (4.2 ± 8.9)
χ² 0.98
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

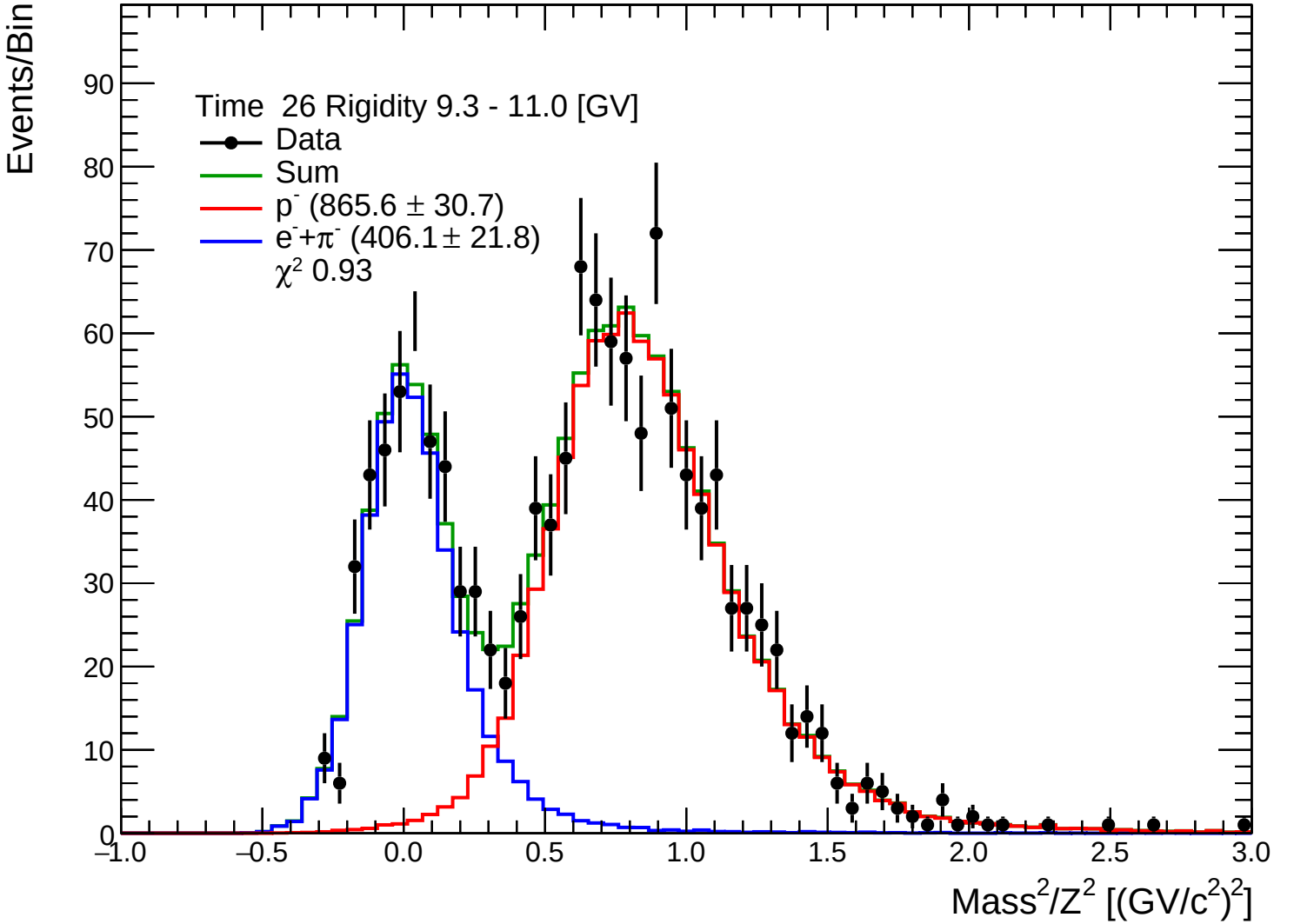

Events/Bin
400
350
300
250
200
150
100
50
0
846
848
850
852
854
856
858
860
Number [Temp 0]

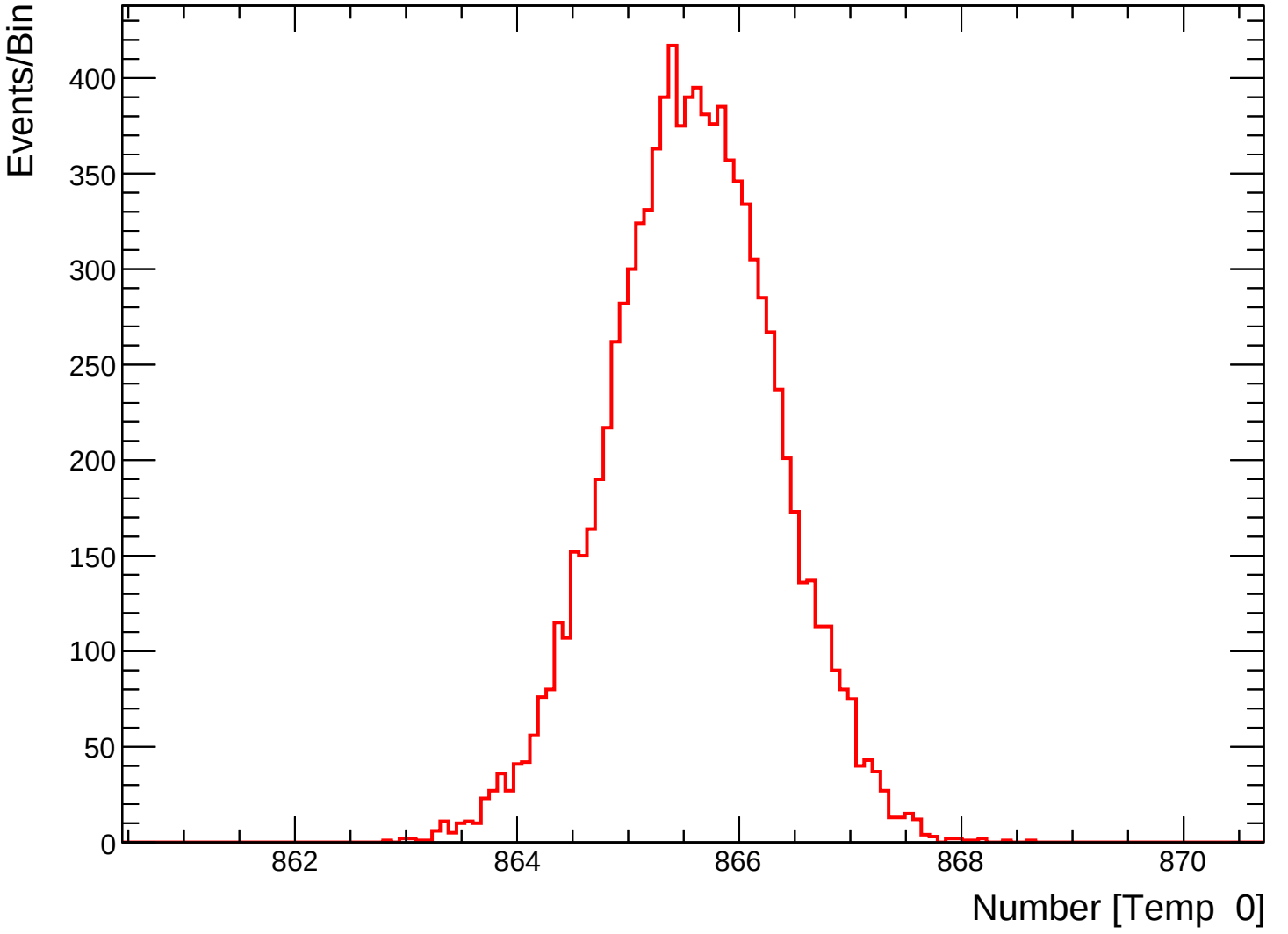

Time 26 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (882.7 ± 30.2)
e⁻+π⁻ (37.5 ± 7.7)
χ² 0.80
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

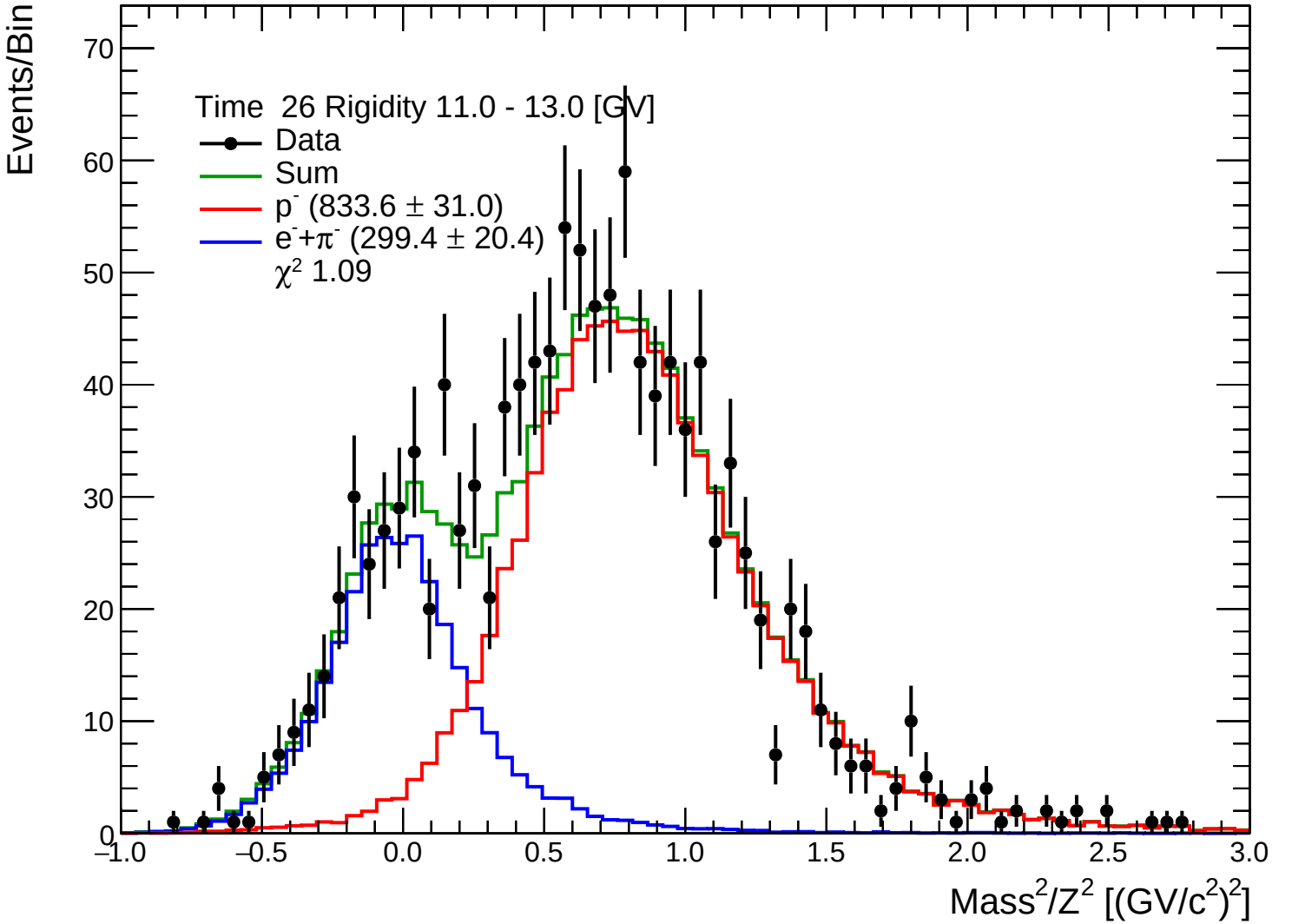

Events/Bin
400
350
300
250
200
150
100
50
0
880
881
882
883
884
885
Number [Temp 0]

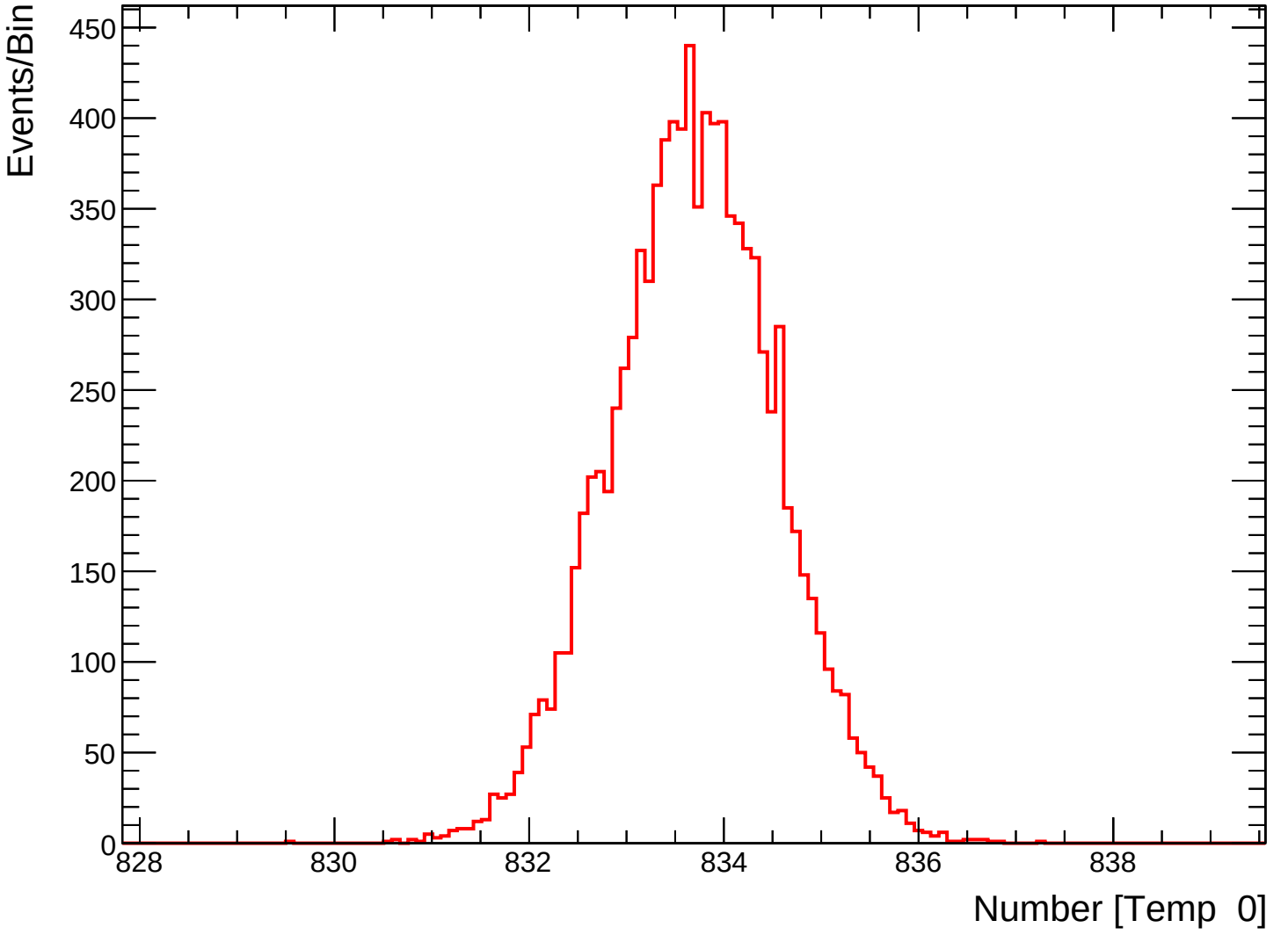

Time 26 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (929.9 ± 31.1)
e⁻+π⁻ (257.0 ± 17.0)
χ² 0.90
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

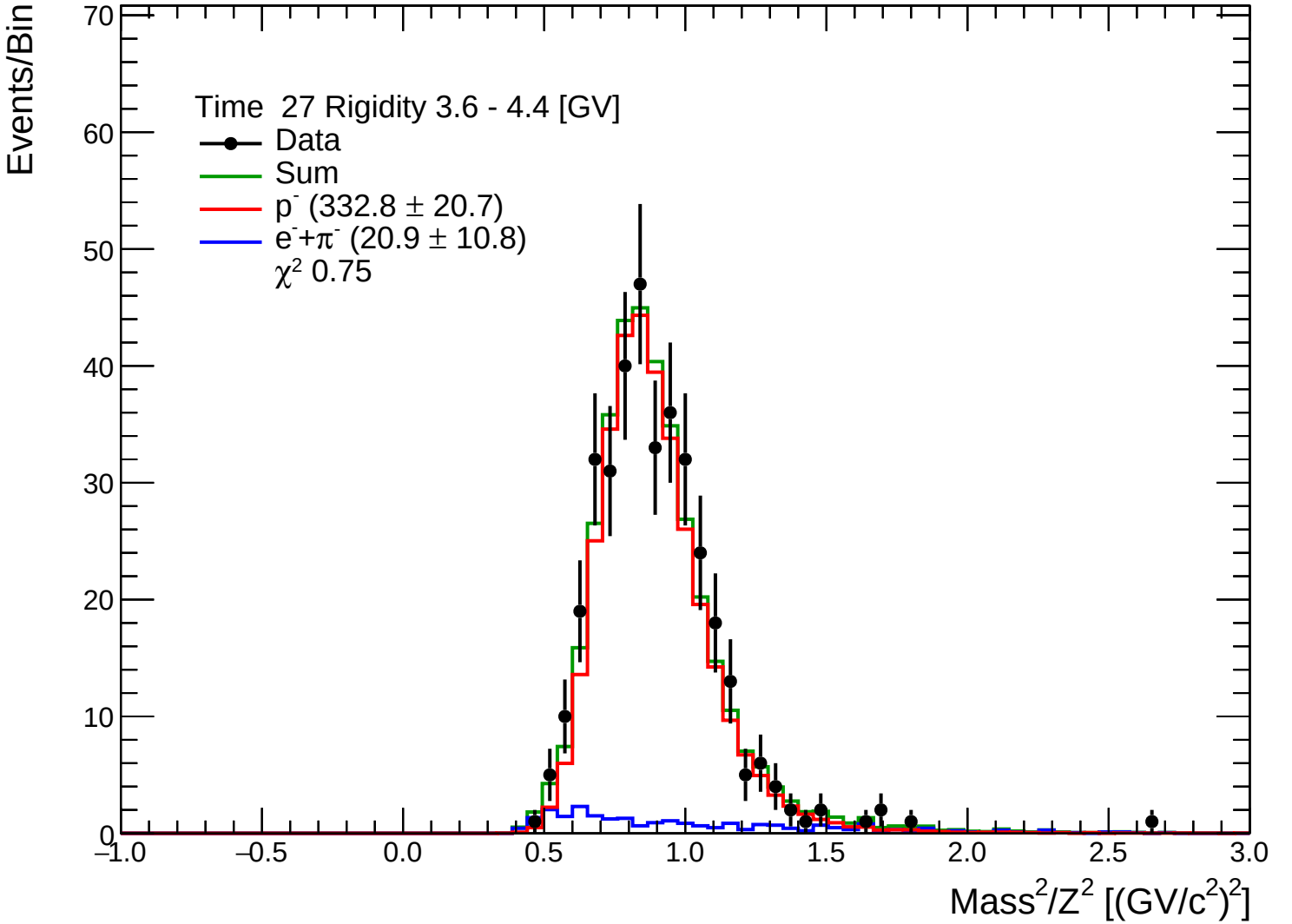

Events/Bin
400
350
300
250
200
150
100
50
0
927
928
929
930
931
932
933
Number [Temp 0]

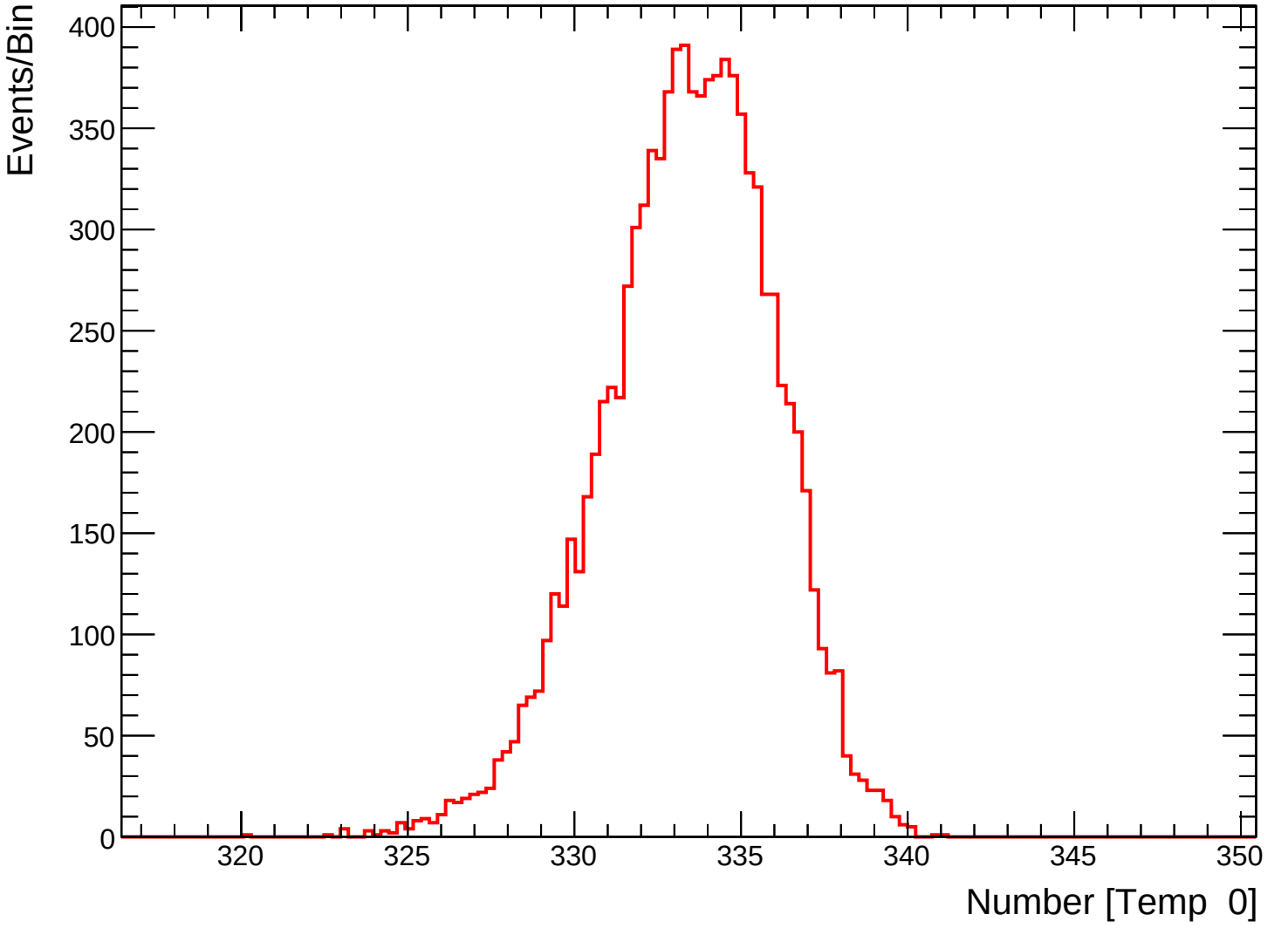

Time 26 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (865.6 ± 30.7)
e⁻+π⁻ (406.1 ± 21.8)
χ² 0.93
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

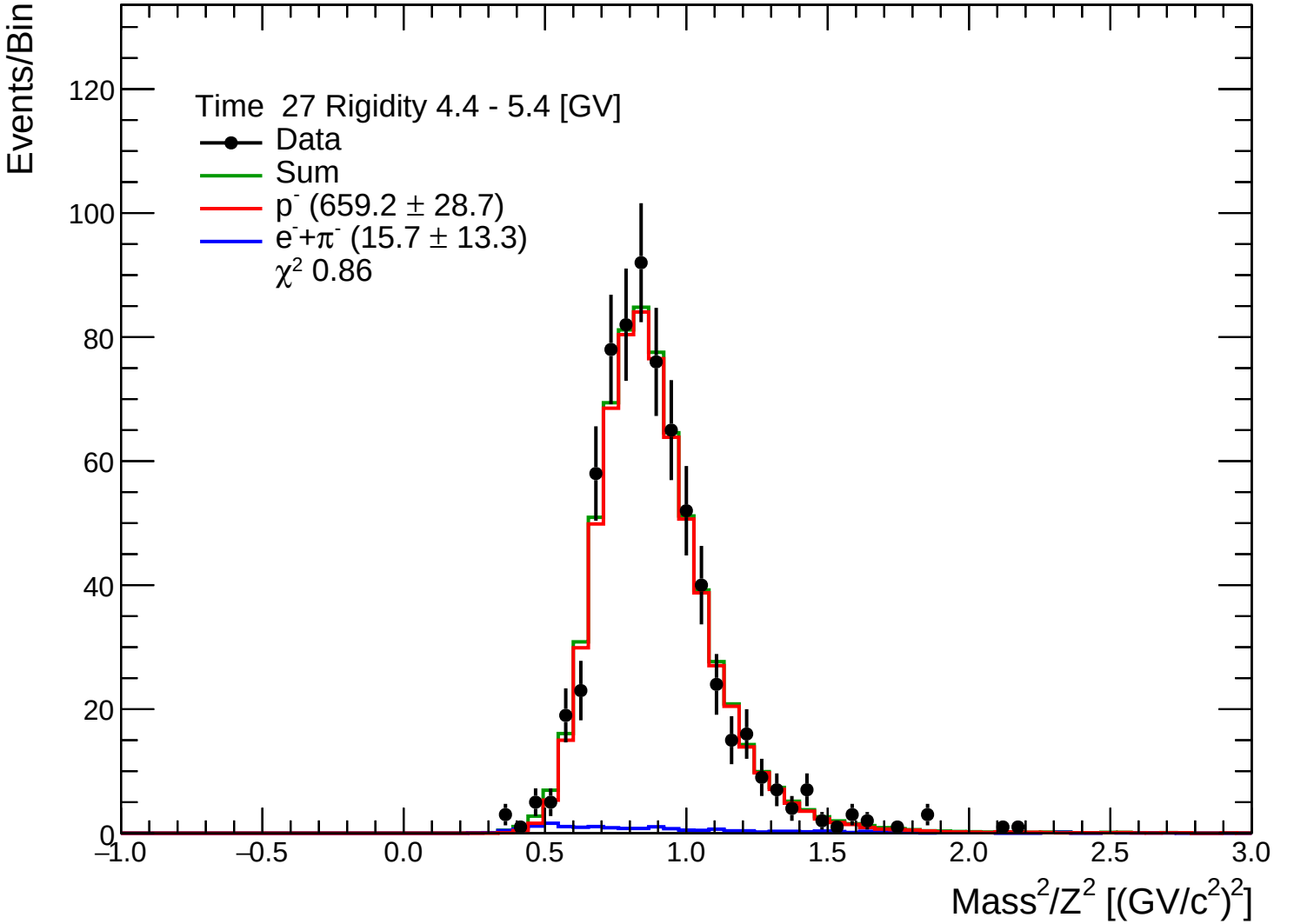

Events/Bin
400
350
300
250
200
150
100
50
0
862
864
866
868
870
Number [Temp 0]

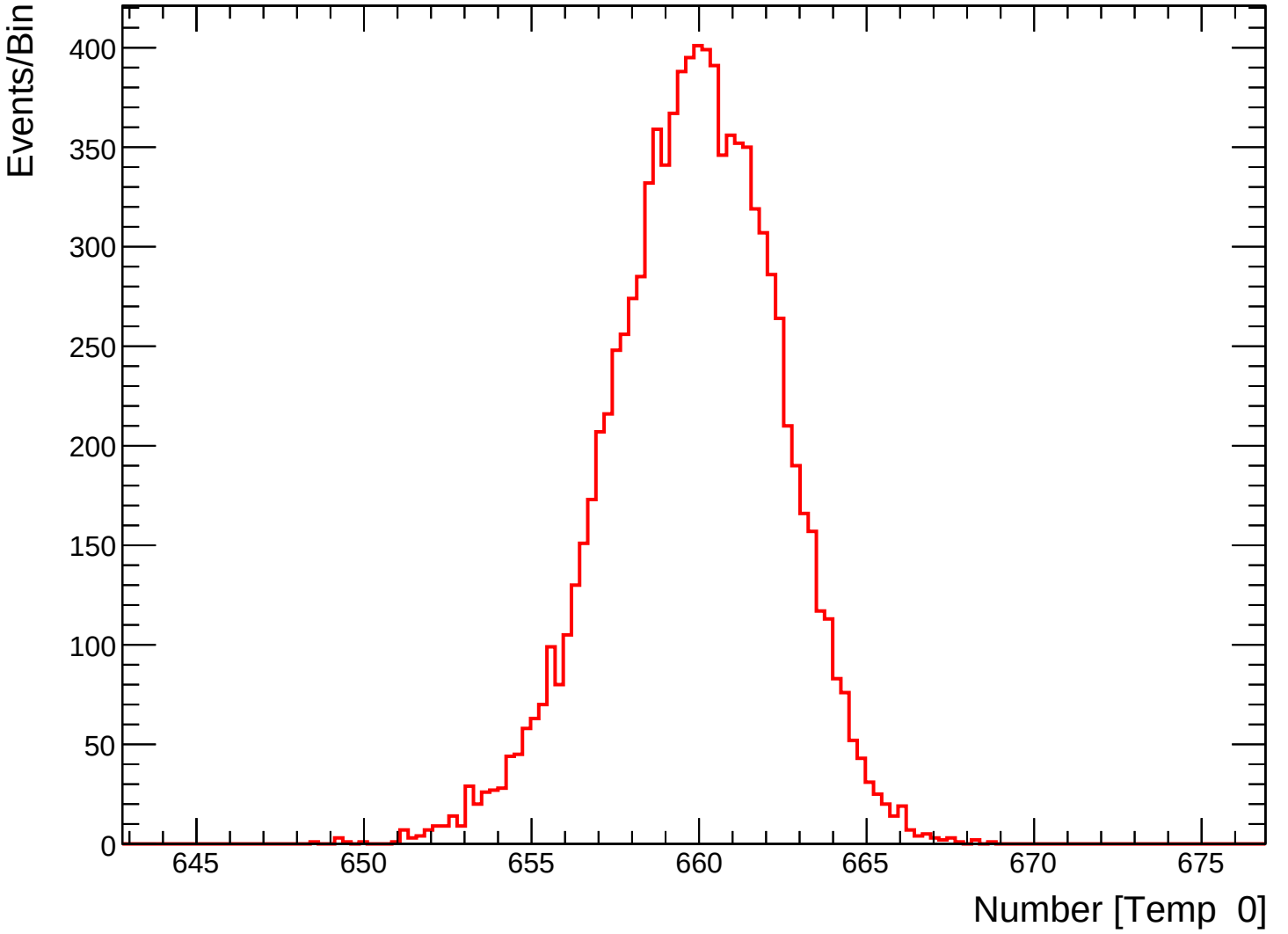

Time 26 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (833.6 ± 31.0)
e⁻+π⁻ (299.4 ± 20.4)
χ² 1.09
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

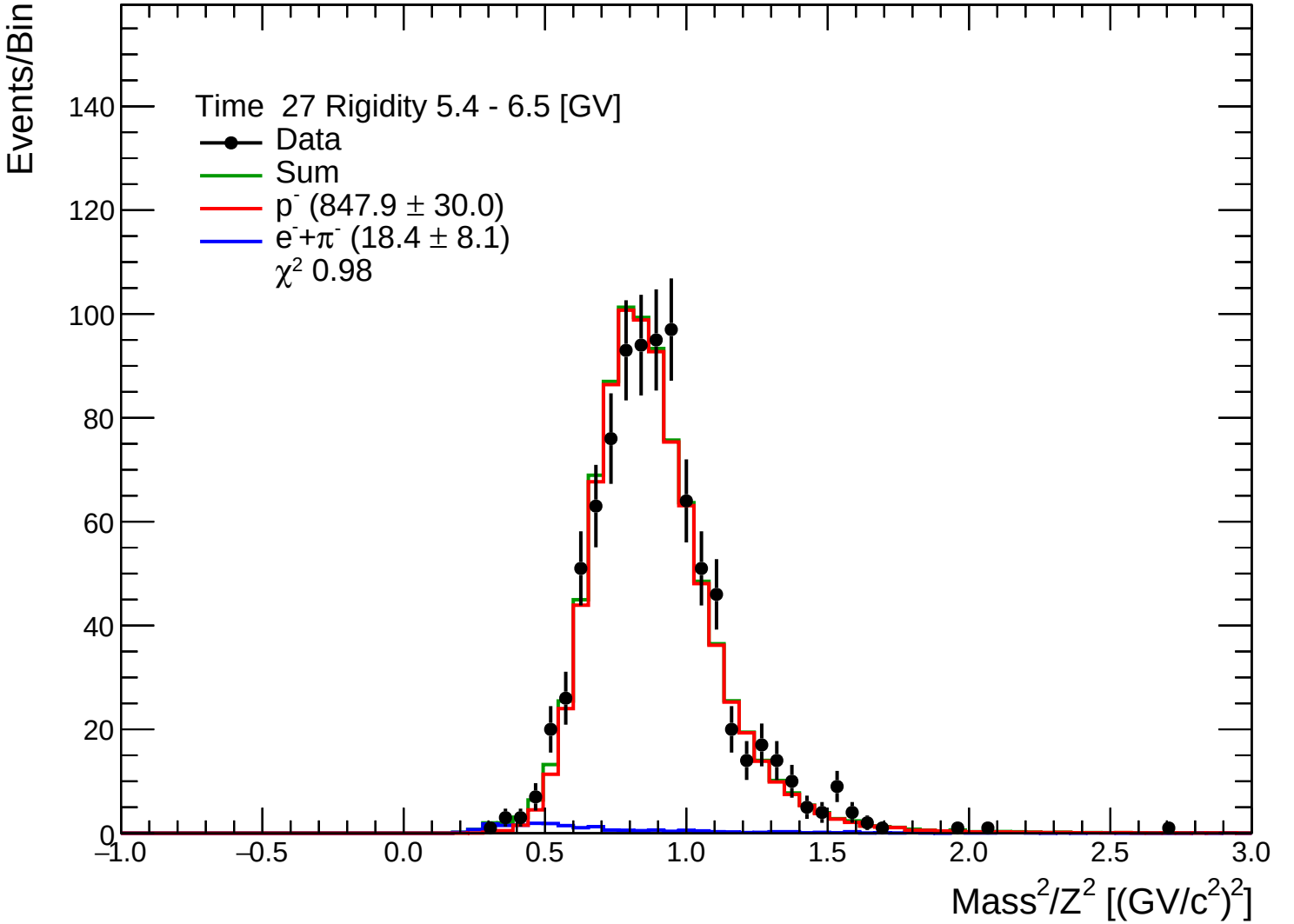

Events/Bin
450
400
350
300
250
200
150
100
50
0
828
830
832
834
836
838
Number [Temp 0]

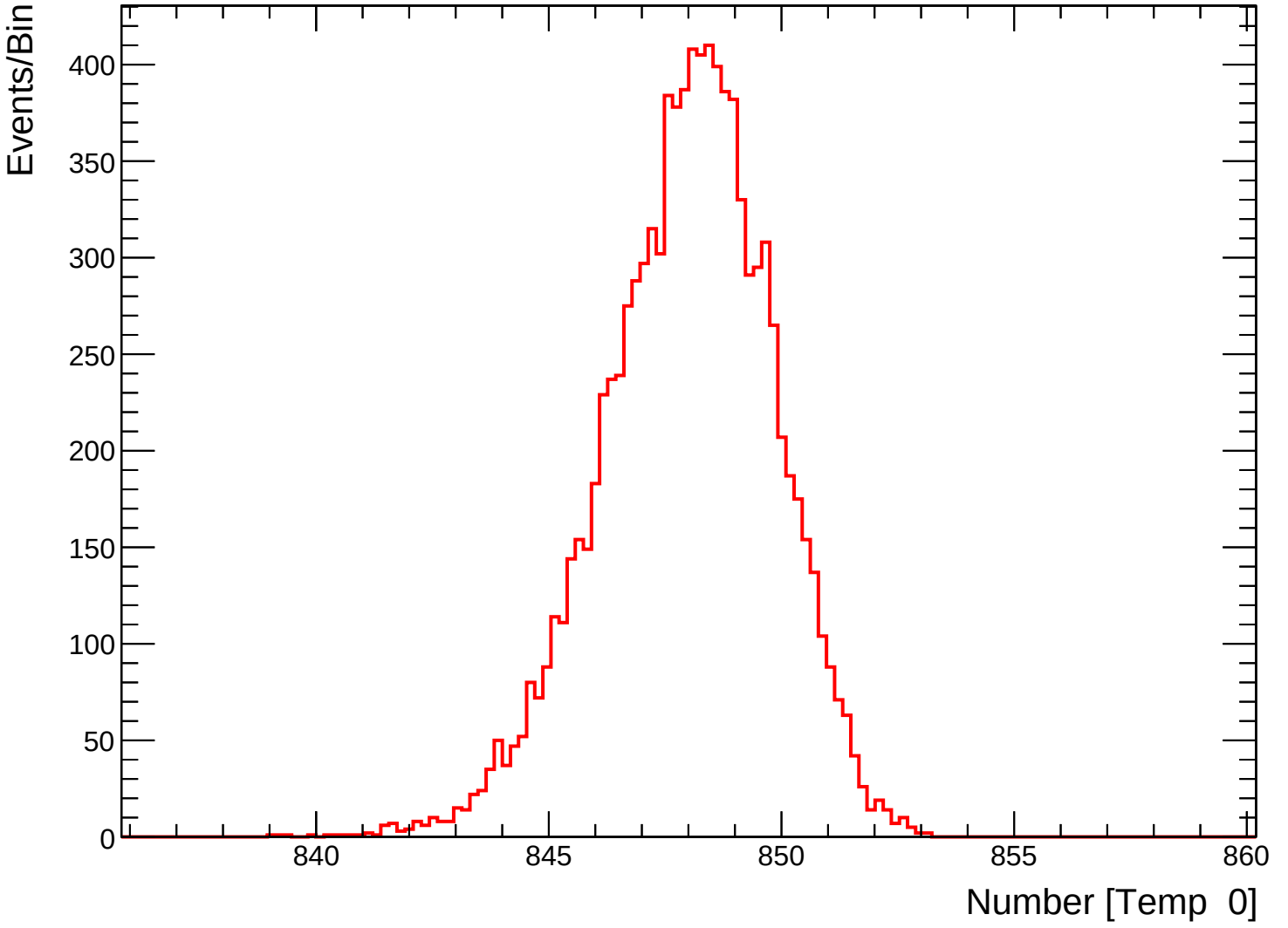

Time 27 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (332.8 ± 20.7)
e⁻+π⁻ (20.9 ± 10.8)
χ² 0.75
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

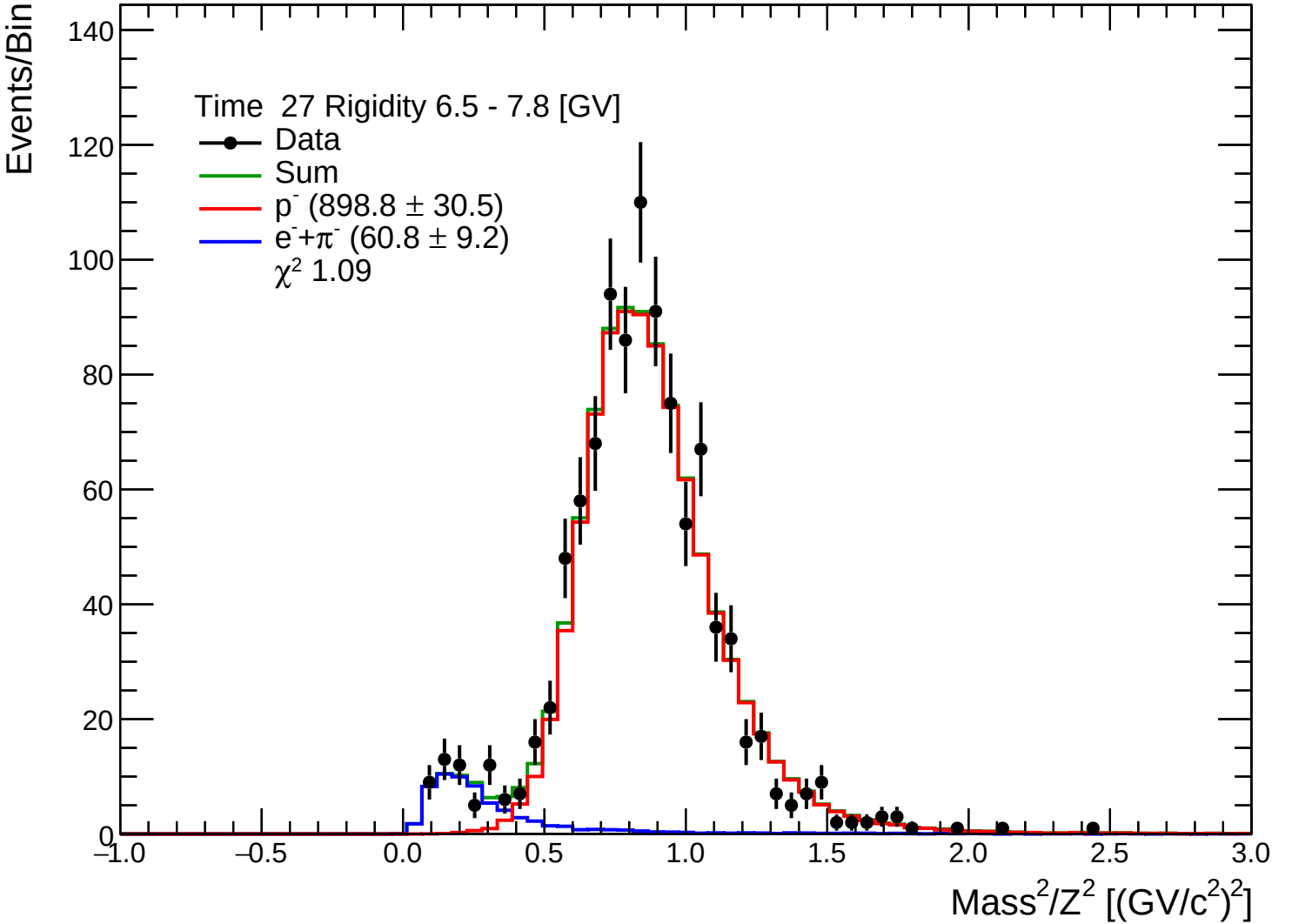

Events/Bin
400
350
300
250
200
150
100
50
0
320
325
330
335
340
345
350
Number [Temp 0]

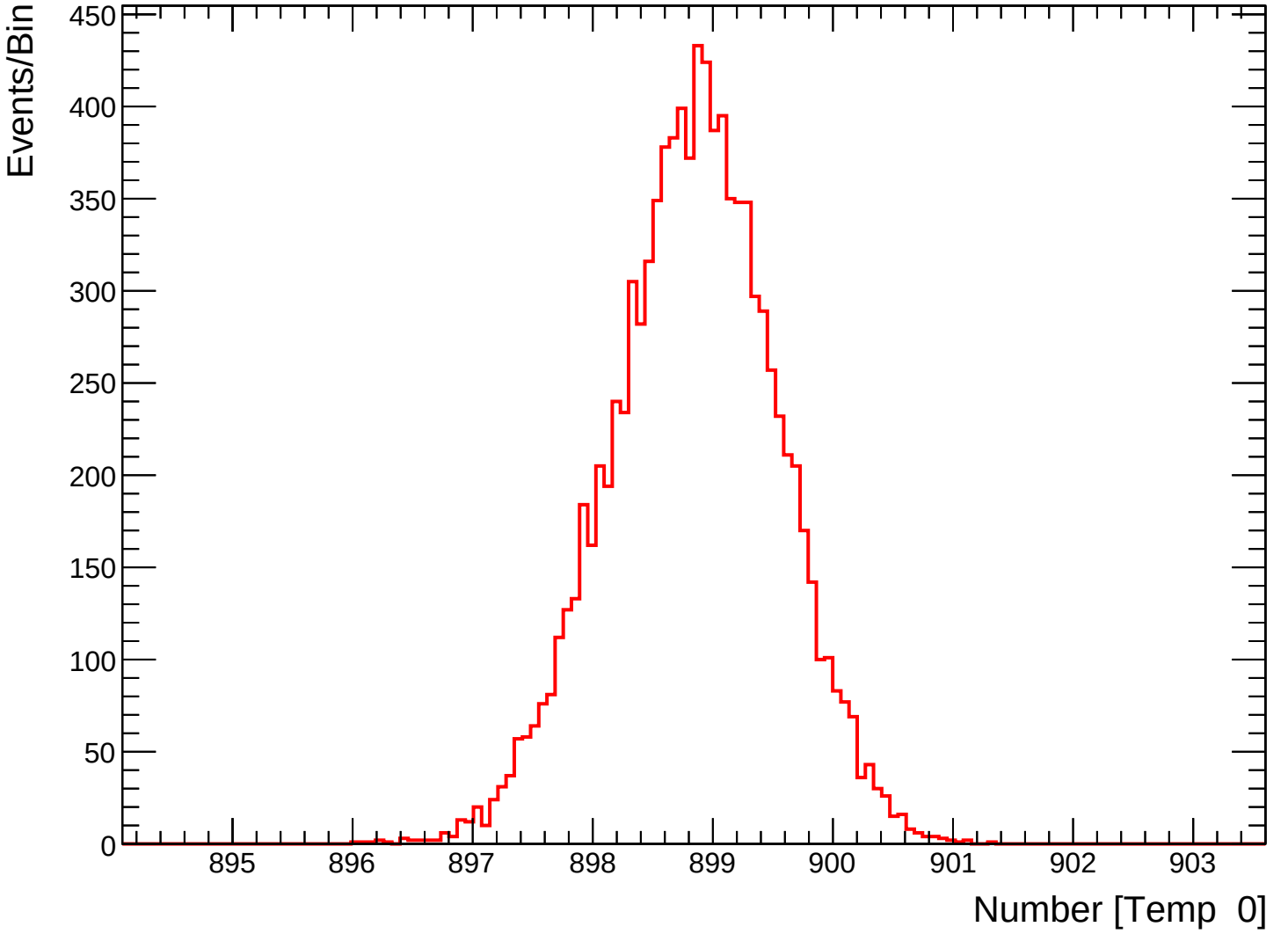

Time 27 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (659.2 ± 28.7)
e⁻+π⁻ (15.7 ± 13.3)
χ² 0.86
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

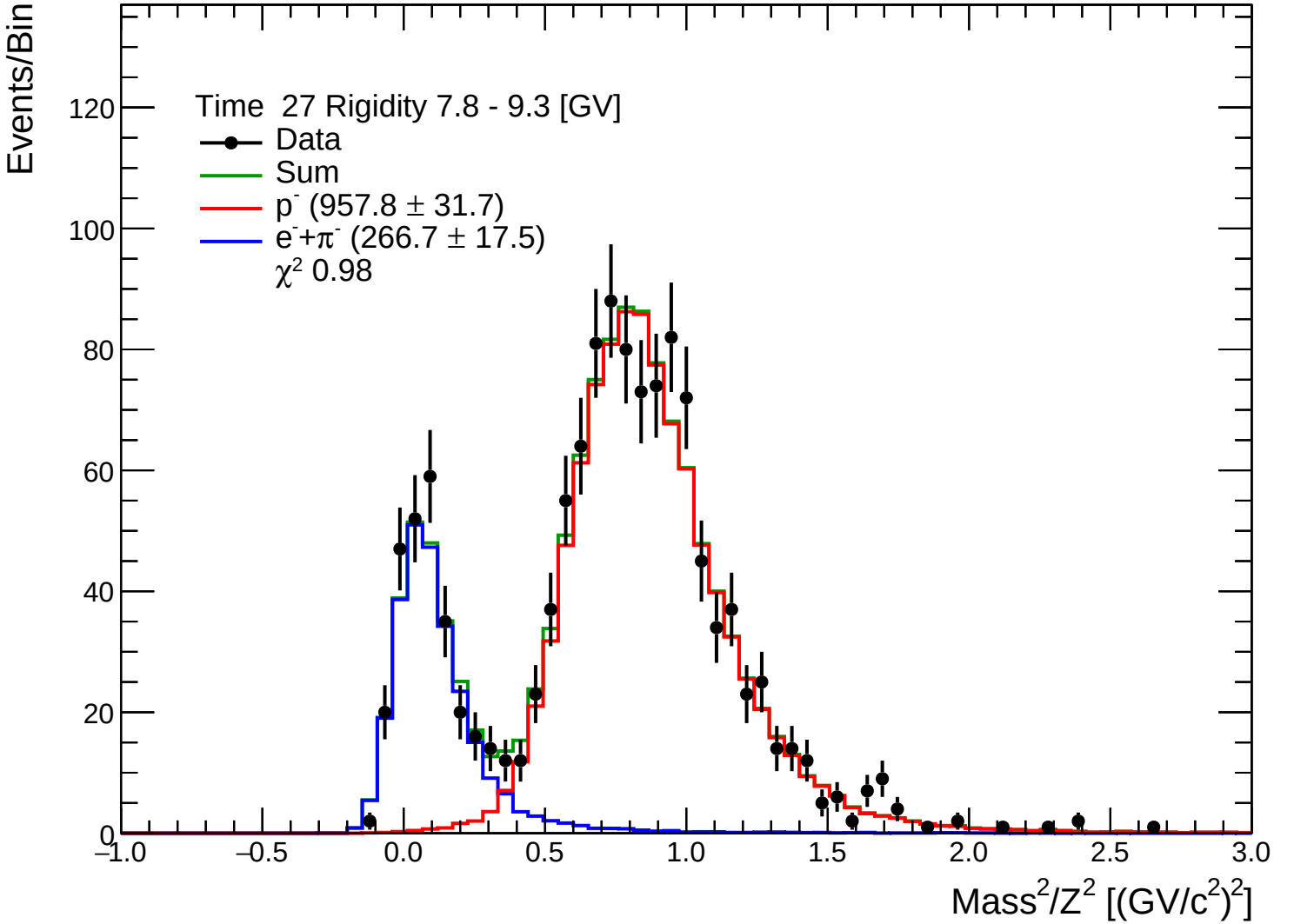

Events/Bin
400
350
300
250
200
150
100
50
0
645
650
655
660
665
670
675
Number [Temp 0]

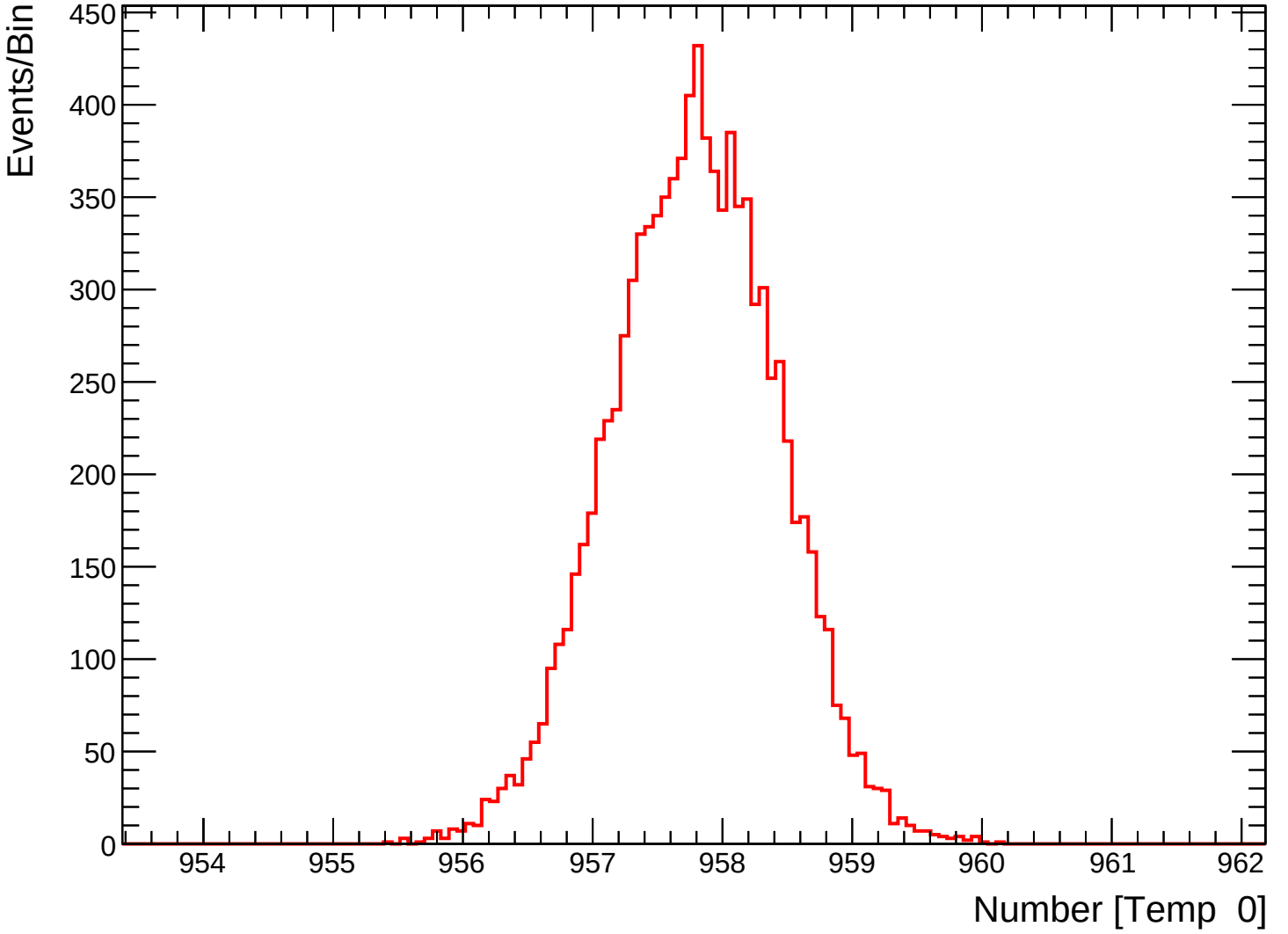

Time 27 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (847.9 ± 30.0)
e⁻+π⁻ (18.4 ± 8.1)
χ² 0.98
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

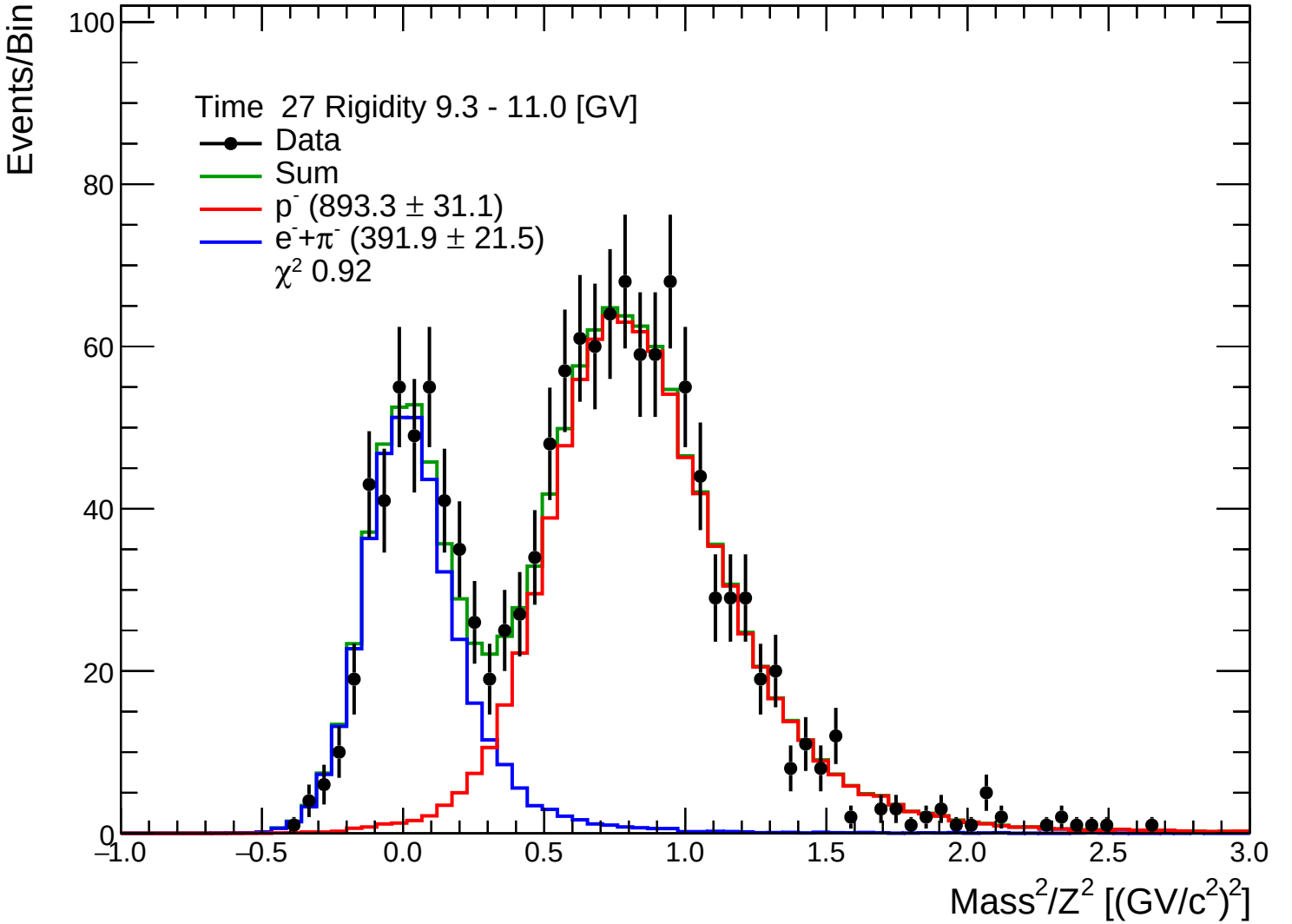

Events/Bin
400
350
300
250
200
150
100
50
0
840
845
850
855
860
Number [Temp 0]

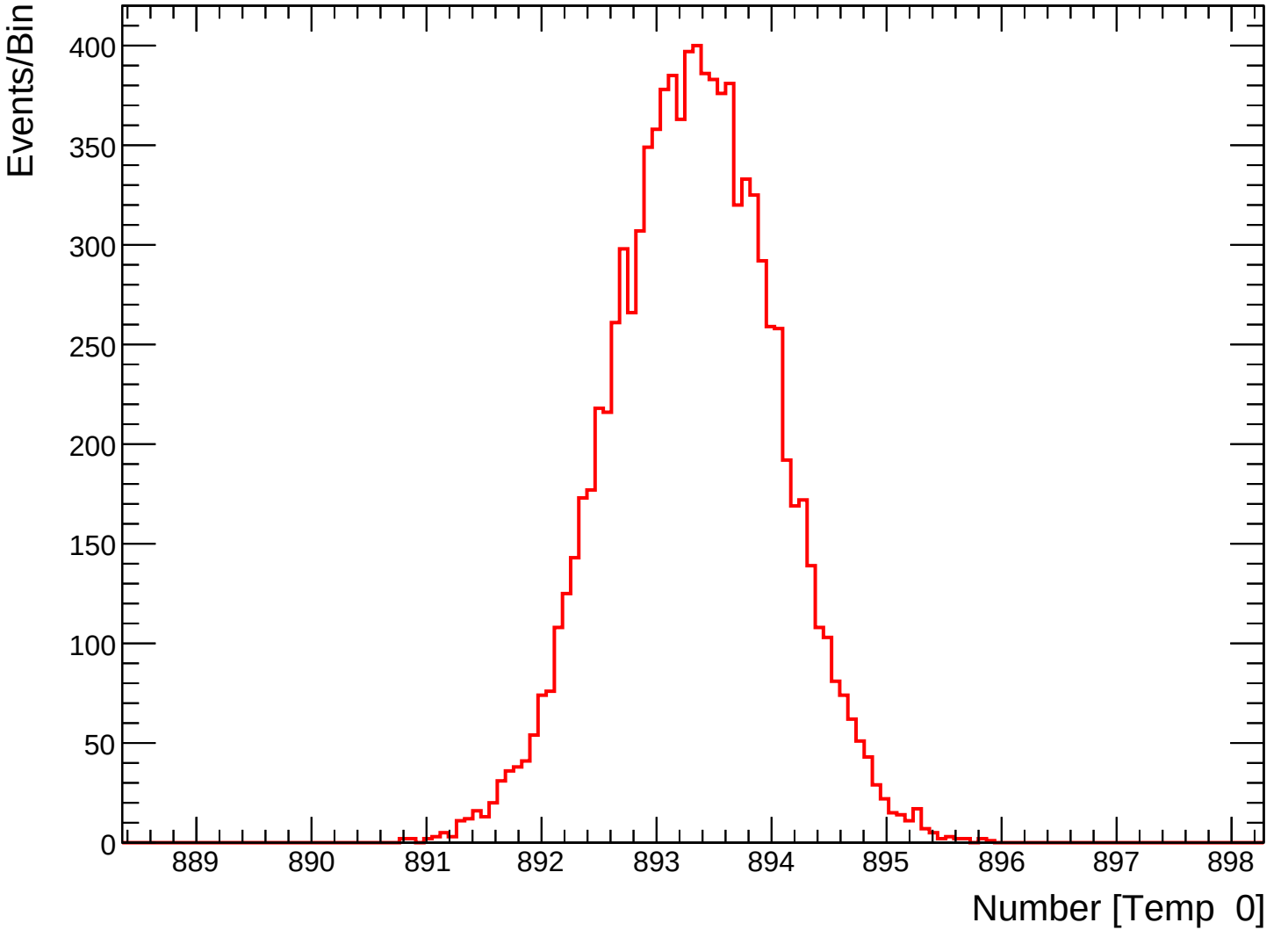

Time 27 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (898.8 ± 30.5)
e⁻+π⁻ (60.8 ± 9.2)
χ² 1.09
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

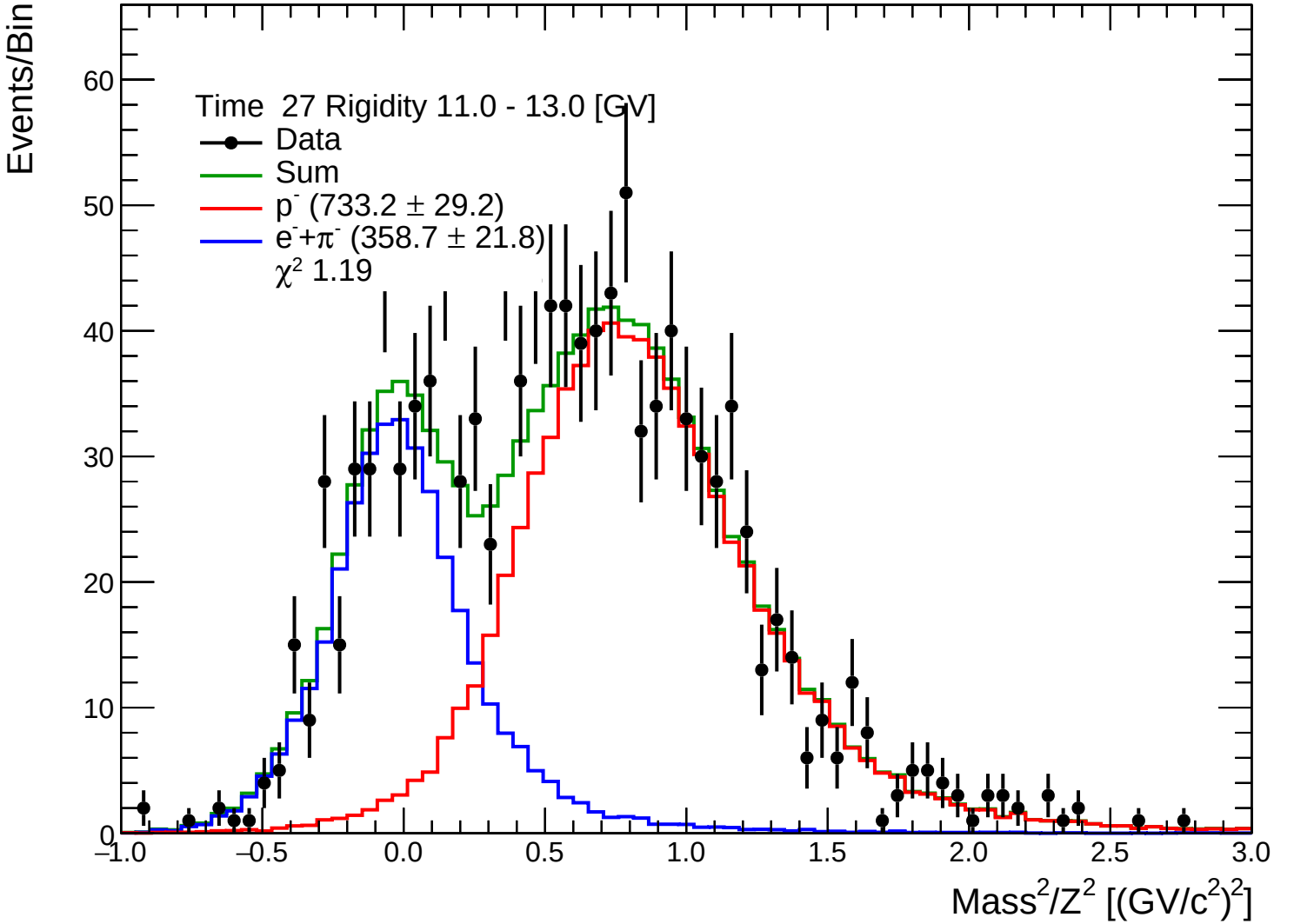

Events/Bin
450
400
350
300
250
200
150
100
50
0
895
896
897
898
899
900
901
902
903
Number [Temp 0]

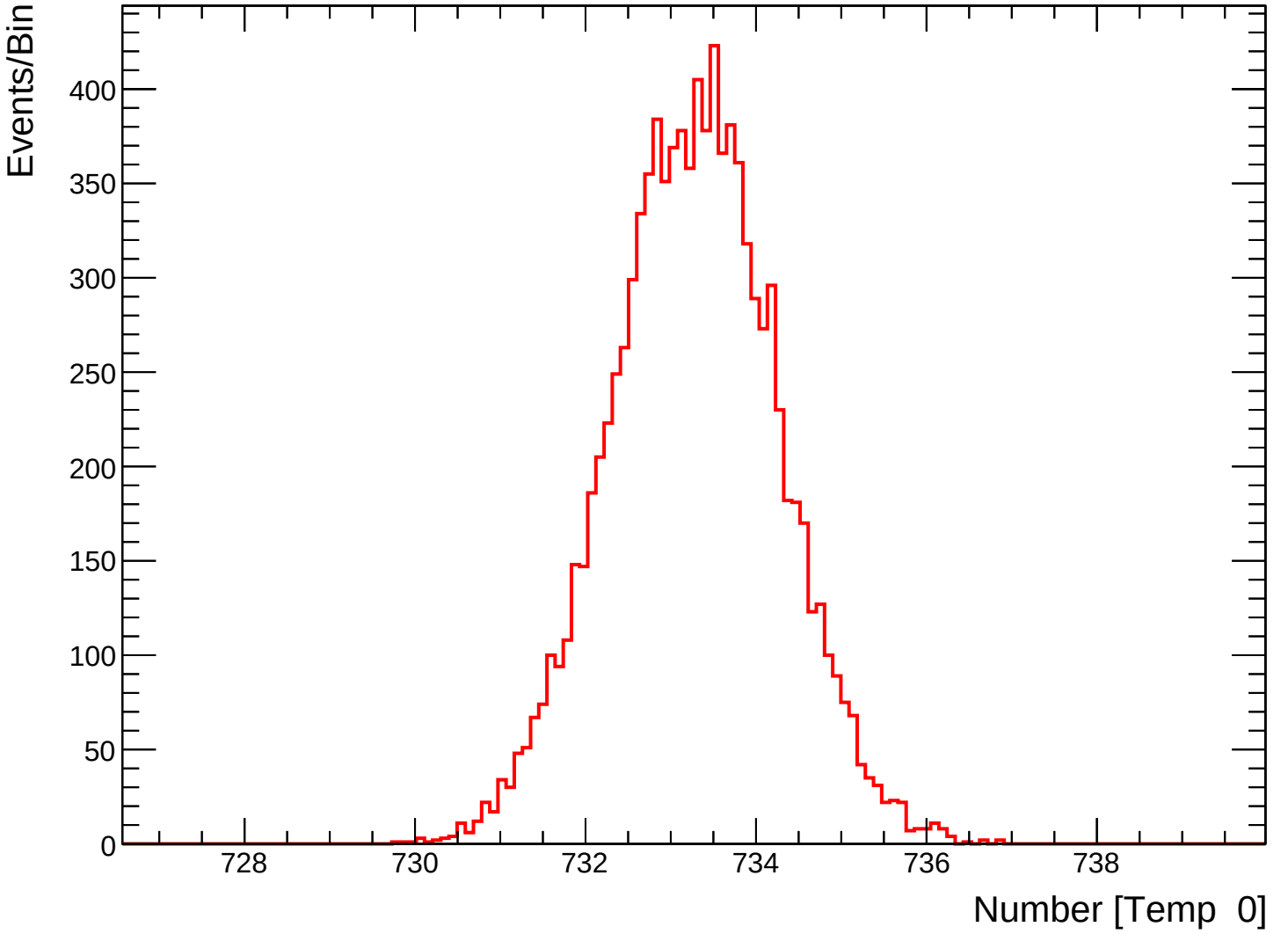

Time 27 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (957.8 ± 31.7)
e⁻+π⁻ (266.7 ± 17.5)
χ² 0.98
Events/Bin
0
20
40
60
80
100
120
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Mass²/Z² [(GV/c²)²]

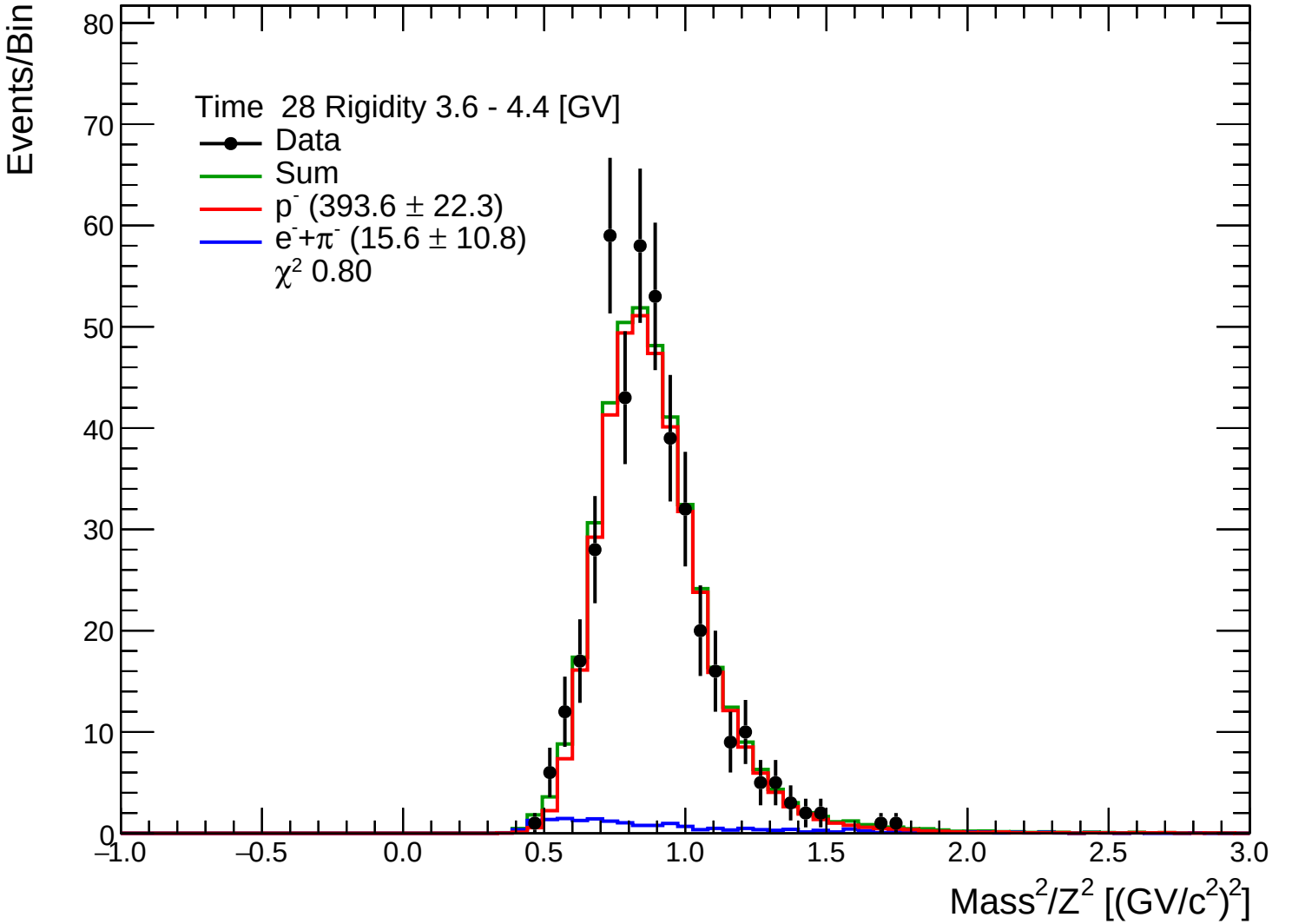

Events/Bin
450
400
350
300
250
200
150
100
50
0
954
955
956
957
958
959
960
961
962
Number [Temp 0]

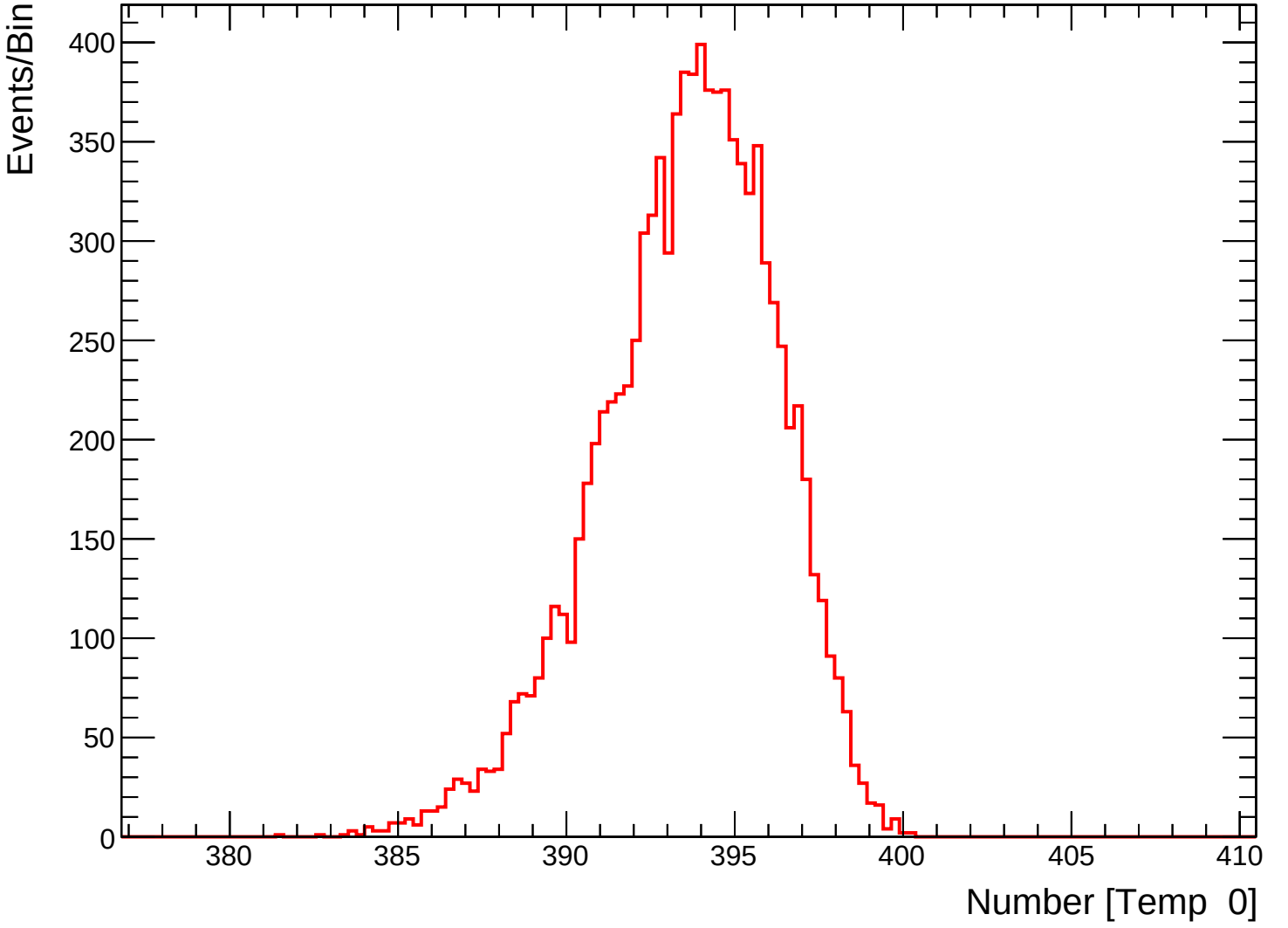

Time 27 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (893.3 ± 31.1)
e⁻+π⁻ (391.9 ± 21.5)
χ² 0.92
Events/Bin
Mass²/Z² [(GV/c²)²]
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

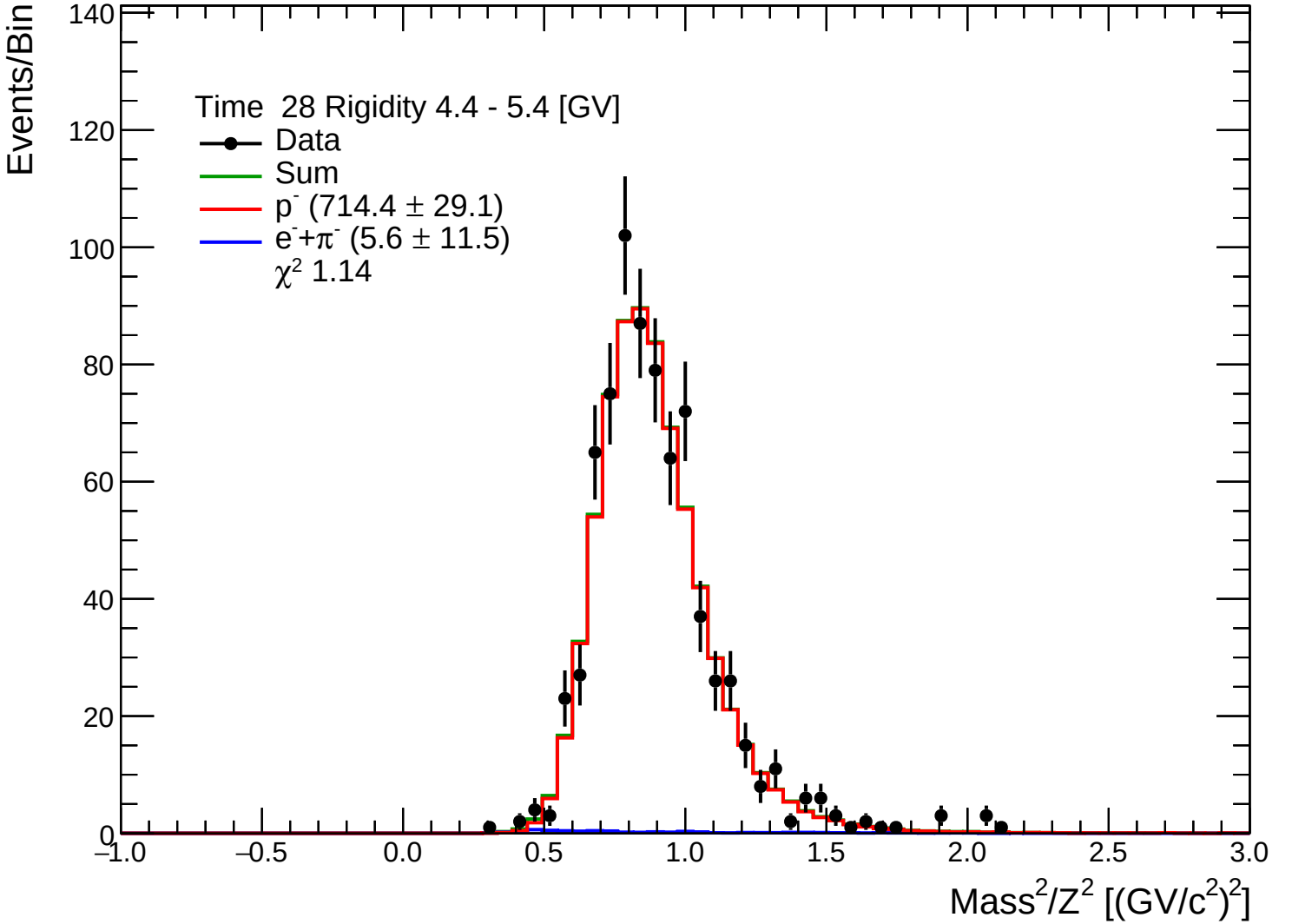

Events/Bin
400
350
300
250
200
150
100
50
0
889
890
891
892
893
894
895
896
897
898
Number [Temp 0]

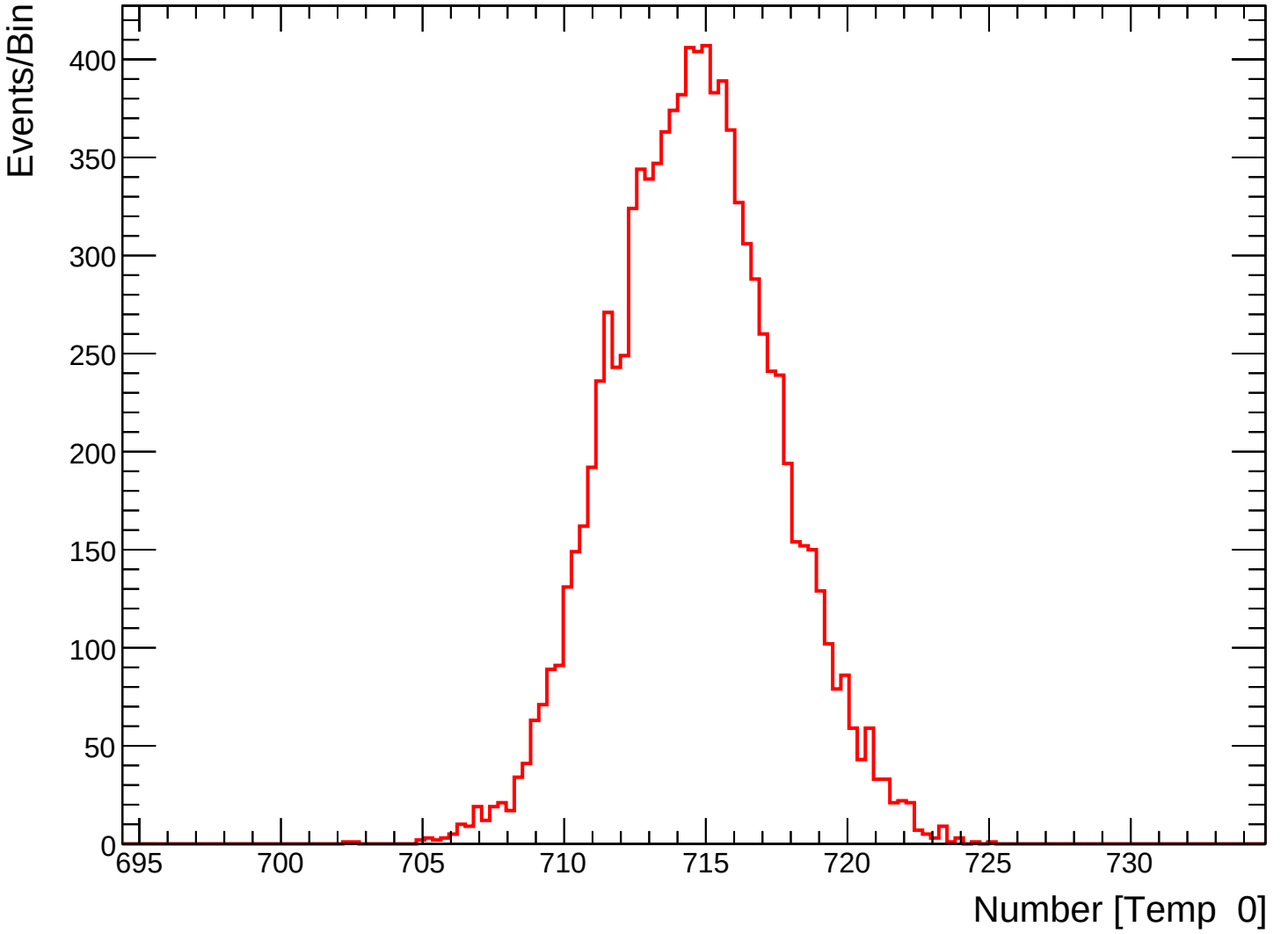

Time 27 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (733.2 ± 29.2)
e⁻+π⁻ (358.7 ± 21.8)
χ² 1.19
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

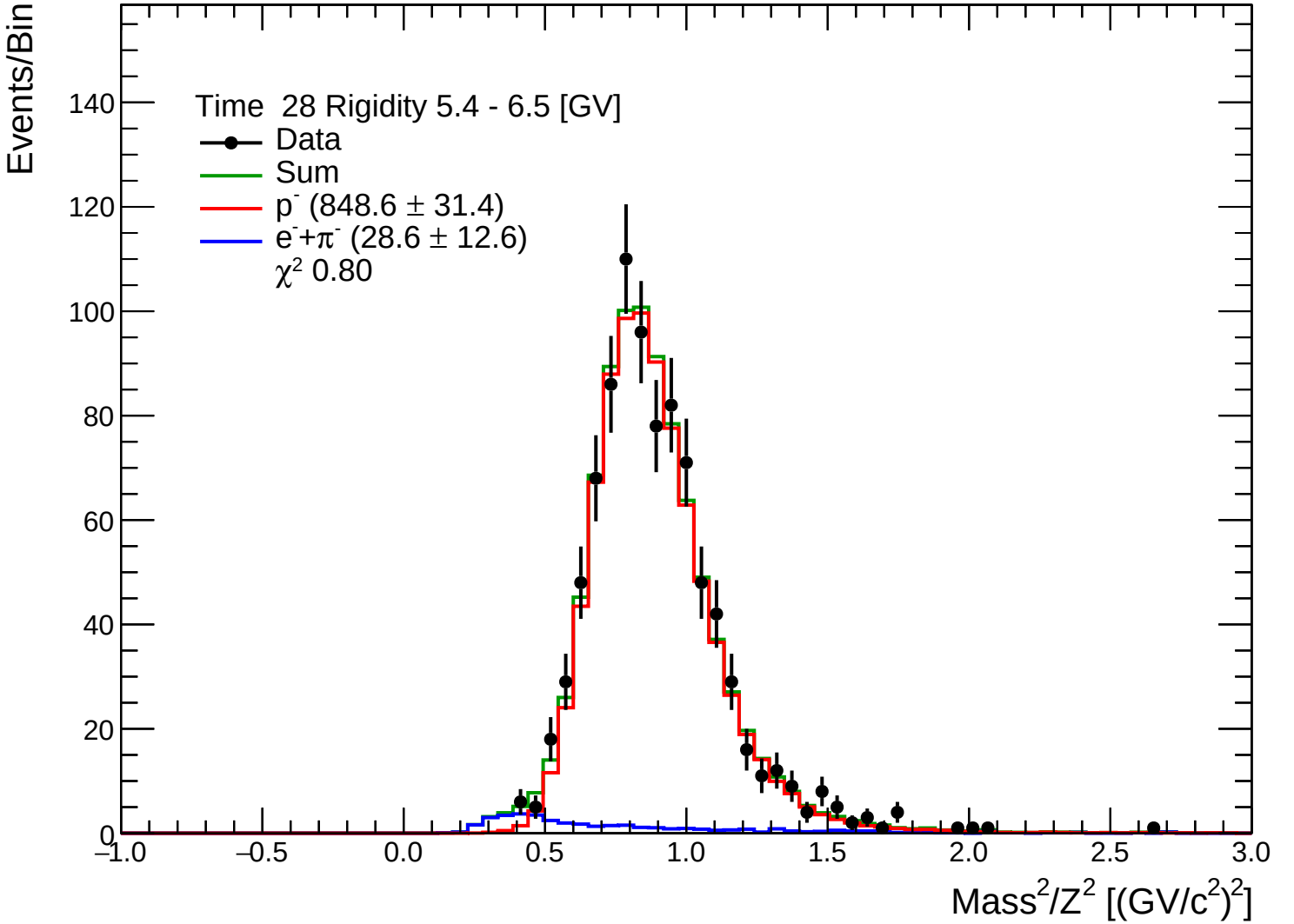

Events/Bin
400
350
300
250
200
150
100
50
0
728
730
732
734
736
738
Number [Temp 0]

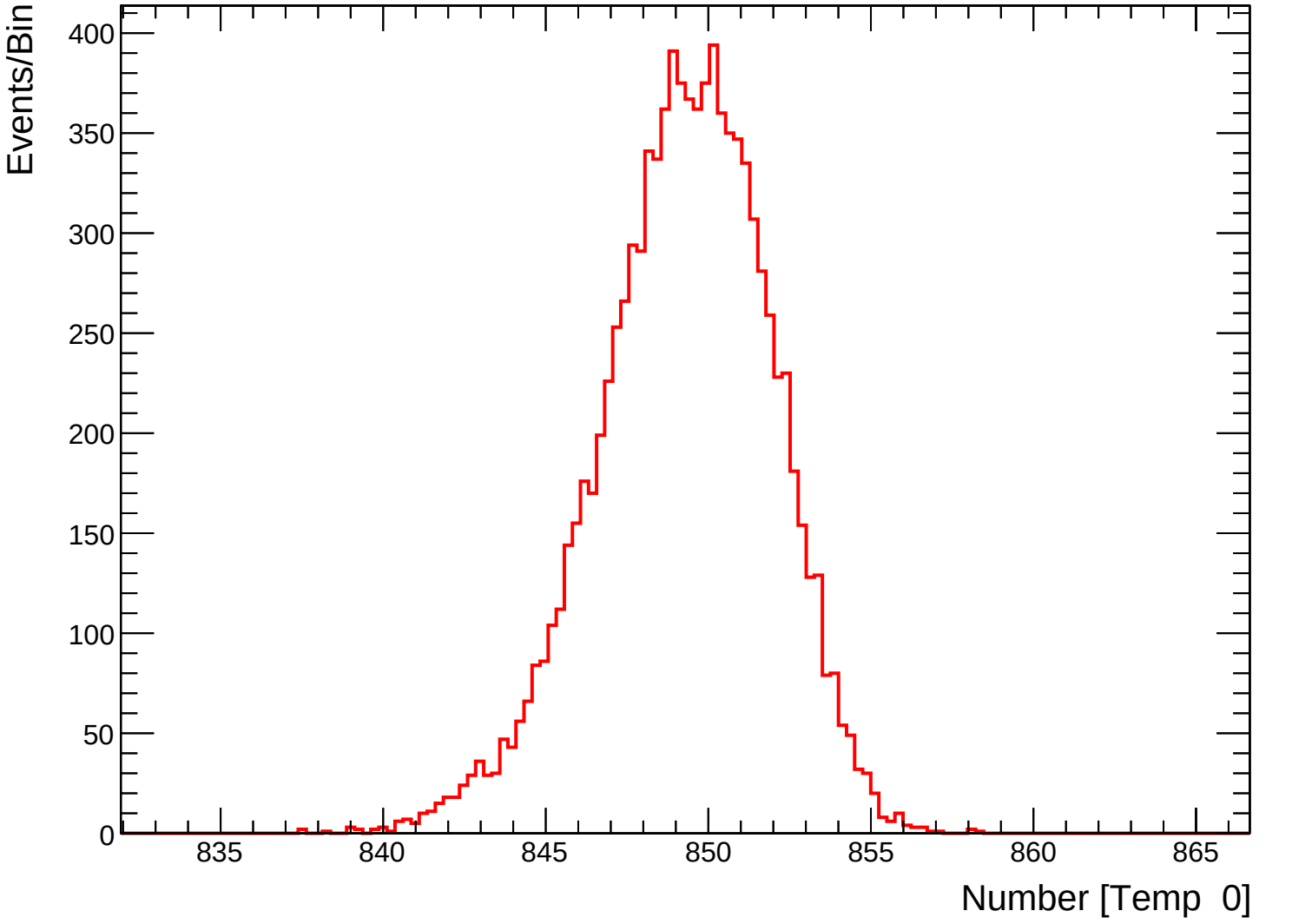

Time 28 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (393.6 ± 22.3)
e⁻+π⁻ (15.6 ± 10.8)
χ² 0.80
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

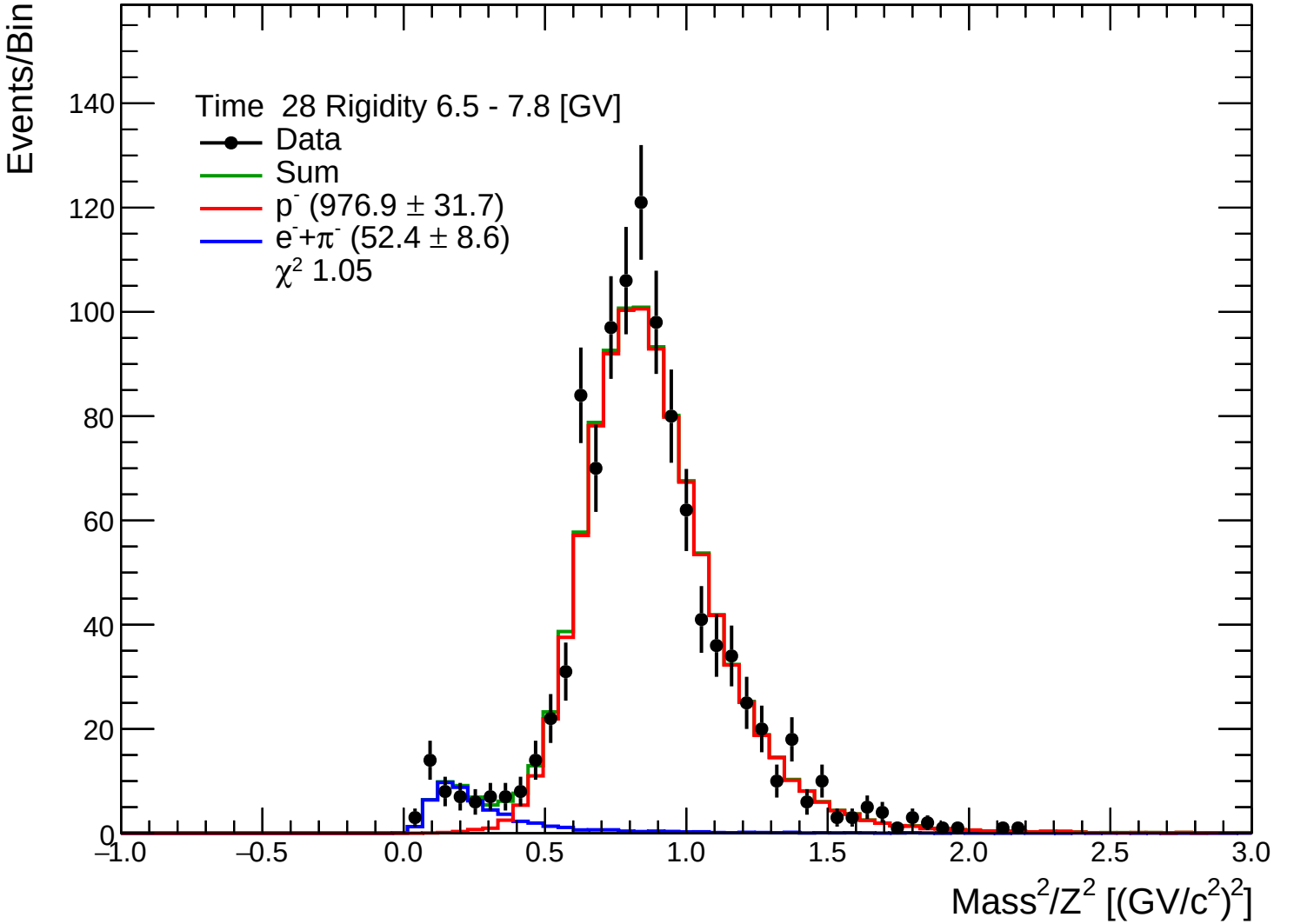

Events/Bin
400
350
300
250
200
150
100
50
0
380
385
390
395
400
405
410
Number [Temp 0]

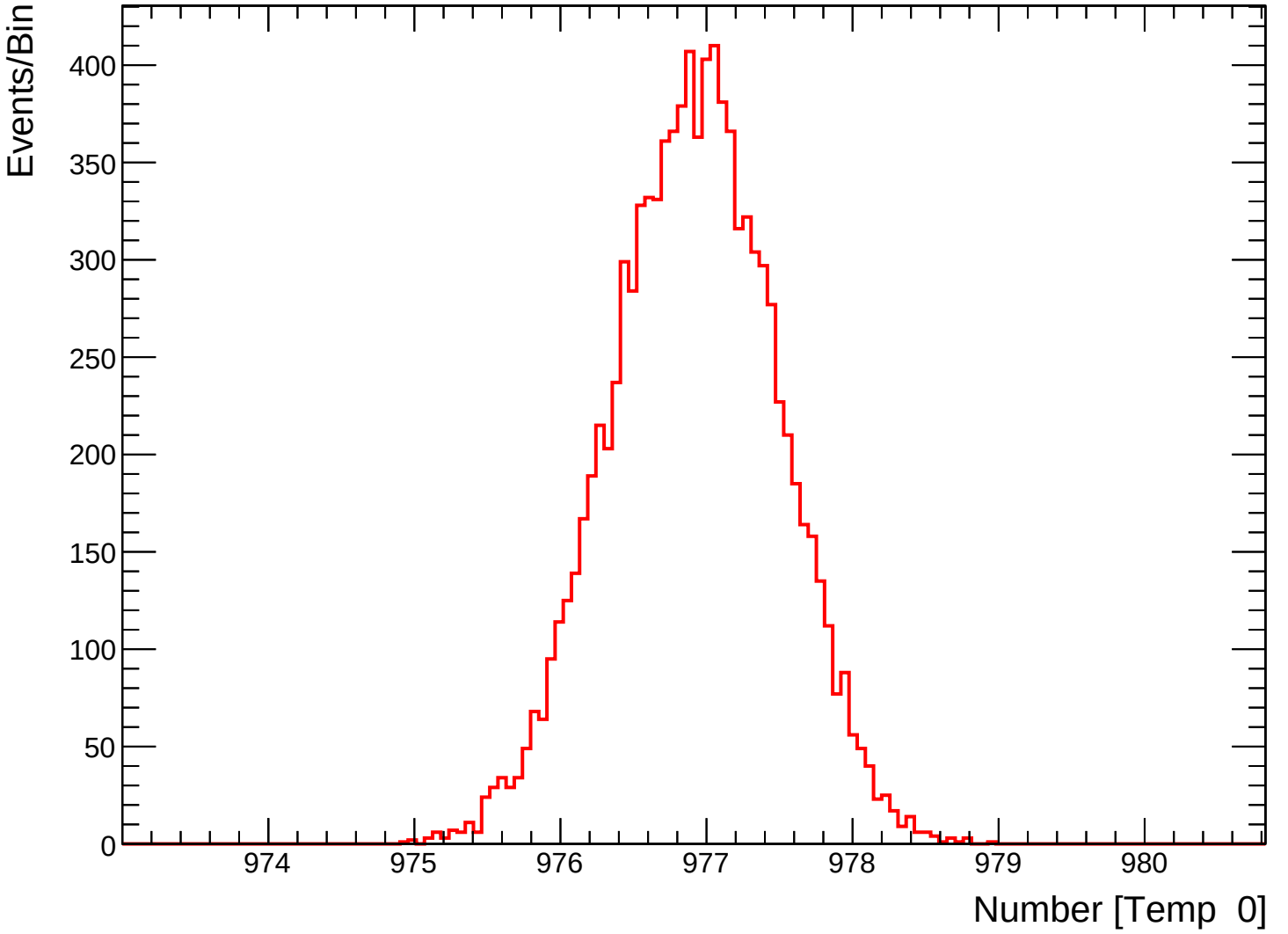

Time 28 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (714.4 ± 29.1)
e⁻+π⁻ (5.6 ± 11.5)
χ² 1.14
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

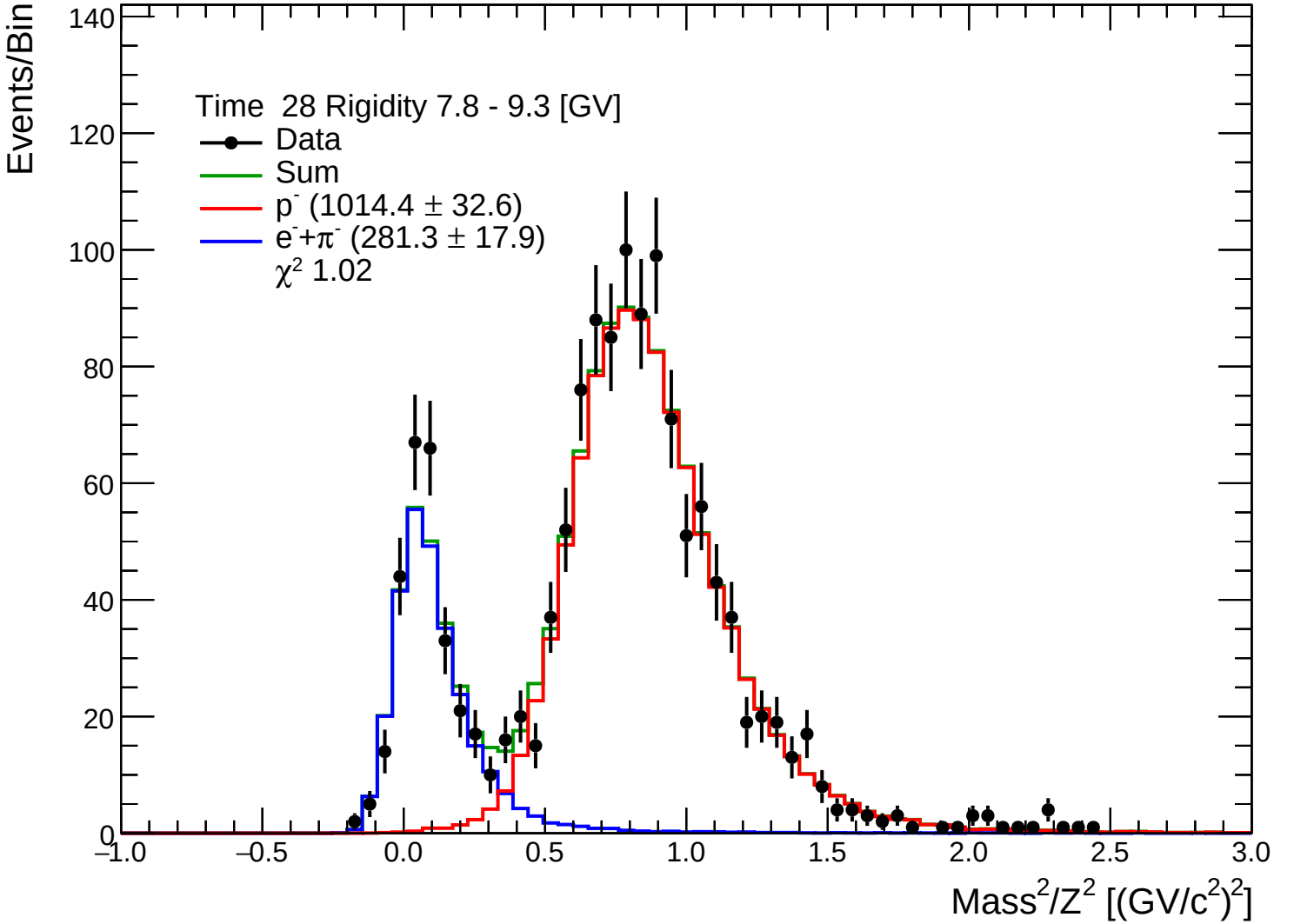

Events/Bin
400
350
300
250
200
150
100
50
0
695
700
705
710
715
720
725
730
Number [Temp 0]

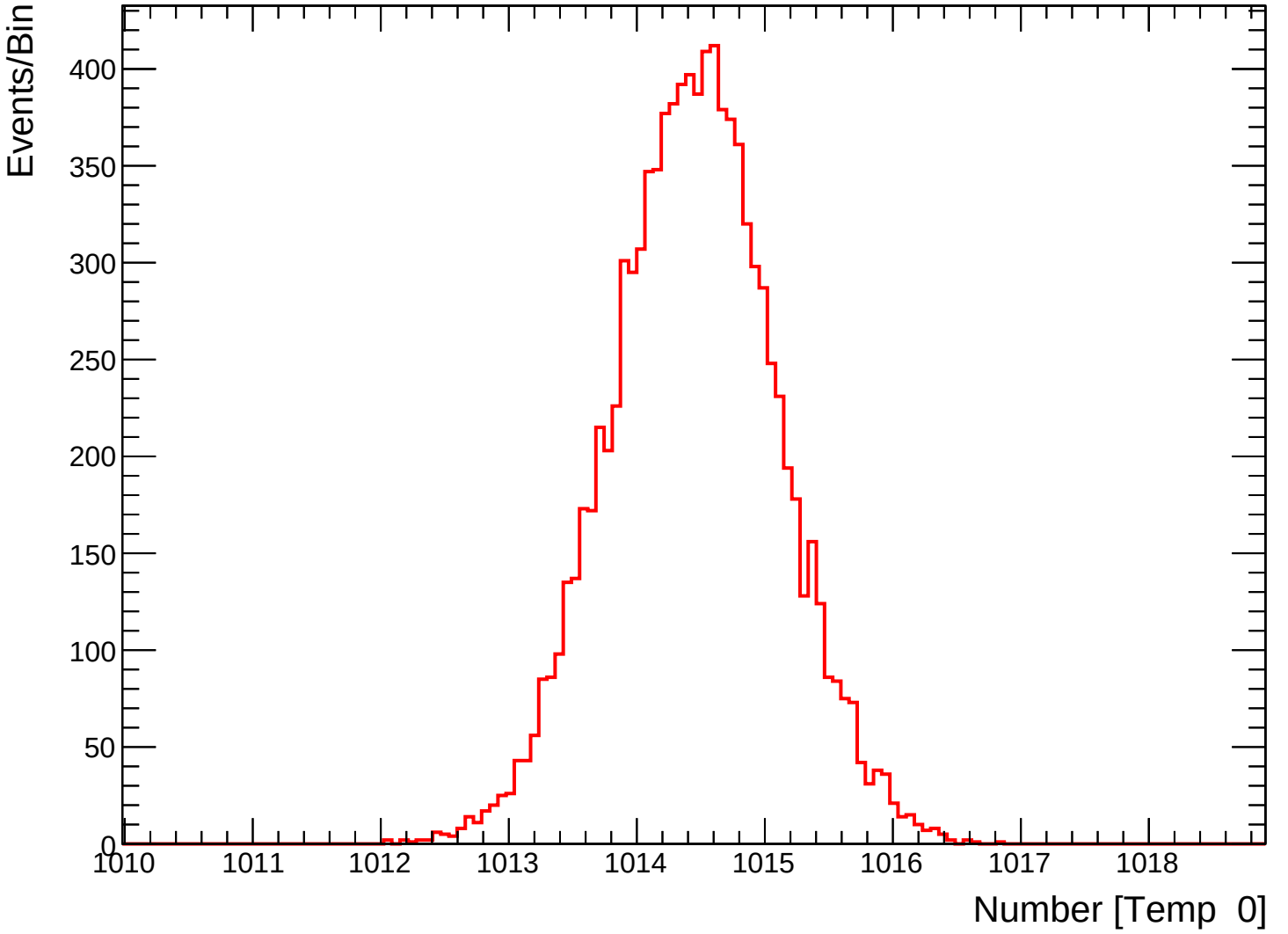

Time 28 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (848.6 ± 31.4)
e⁻+π⁻ (28.6 ± 12.6)
χ² 0.80
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

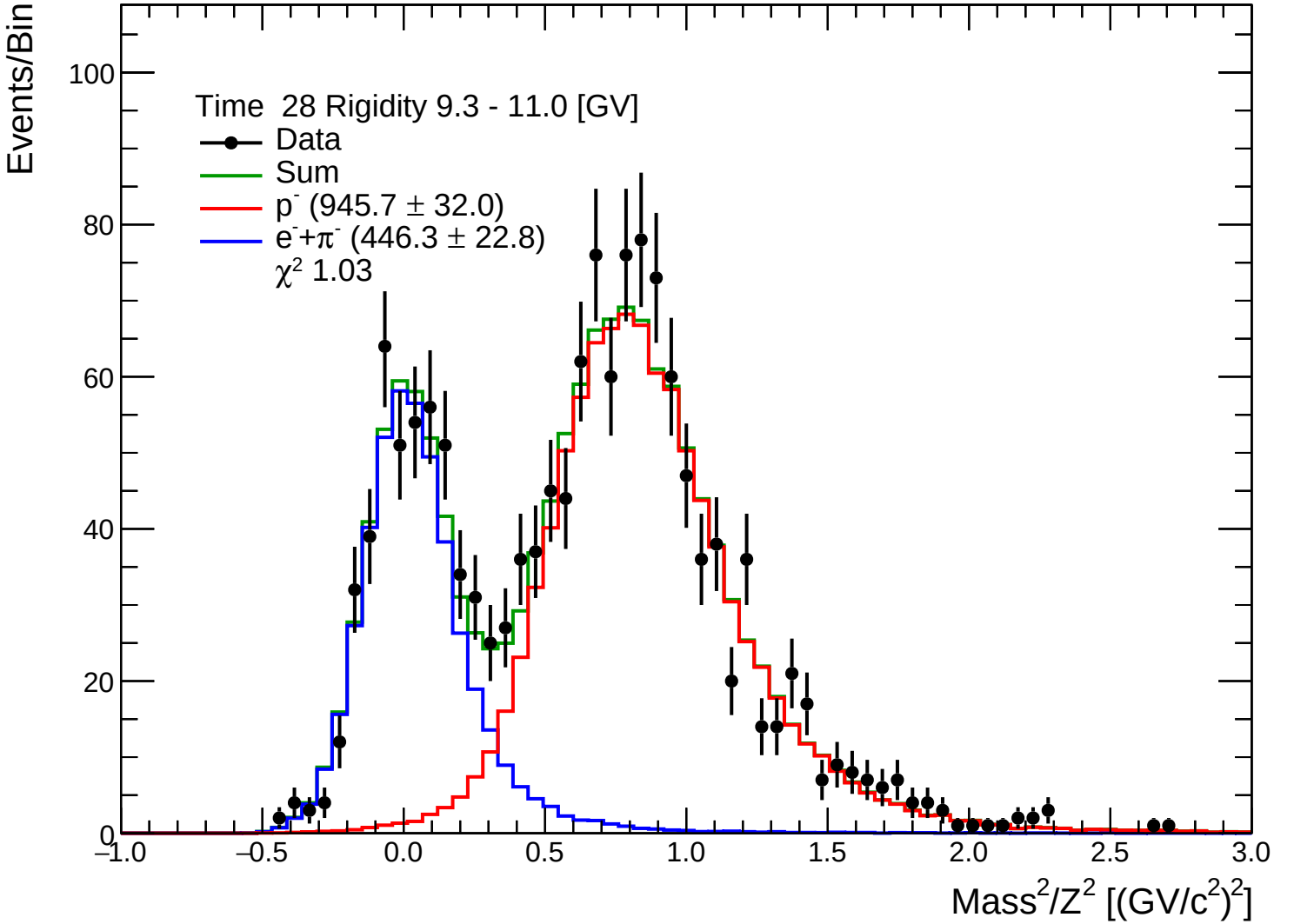

Events/Bin
400
350
300
250
200
150
100
50
0
835
840
845
850
855
860
865
Number [Temp 0]

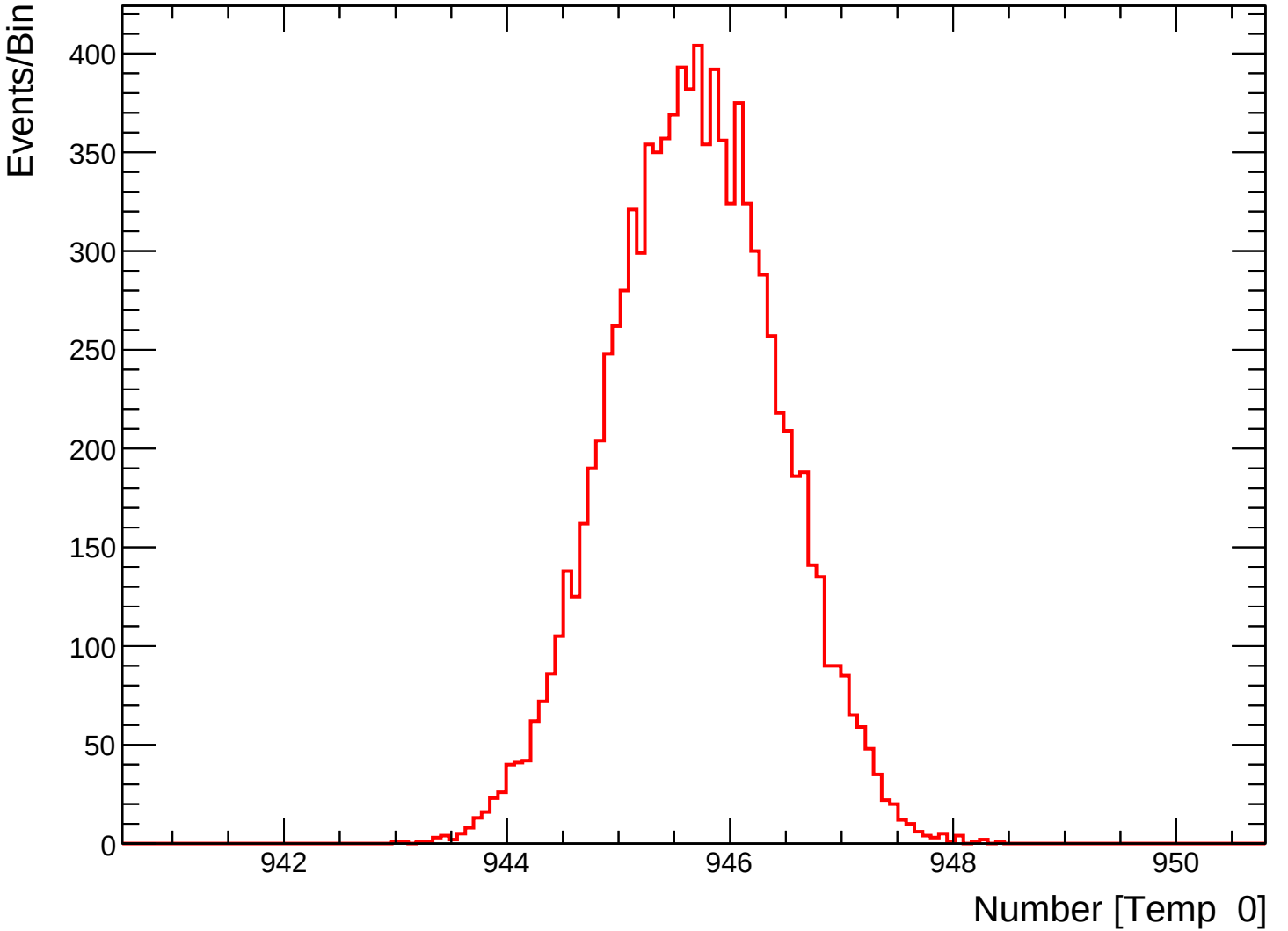

Time 28 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (976.9 ± 31.7)
e⁻+π⁻ (52.4 ± 8.6)
χ² 1.05
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

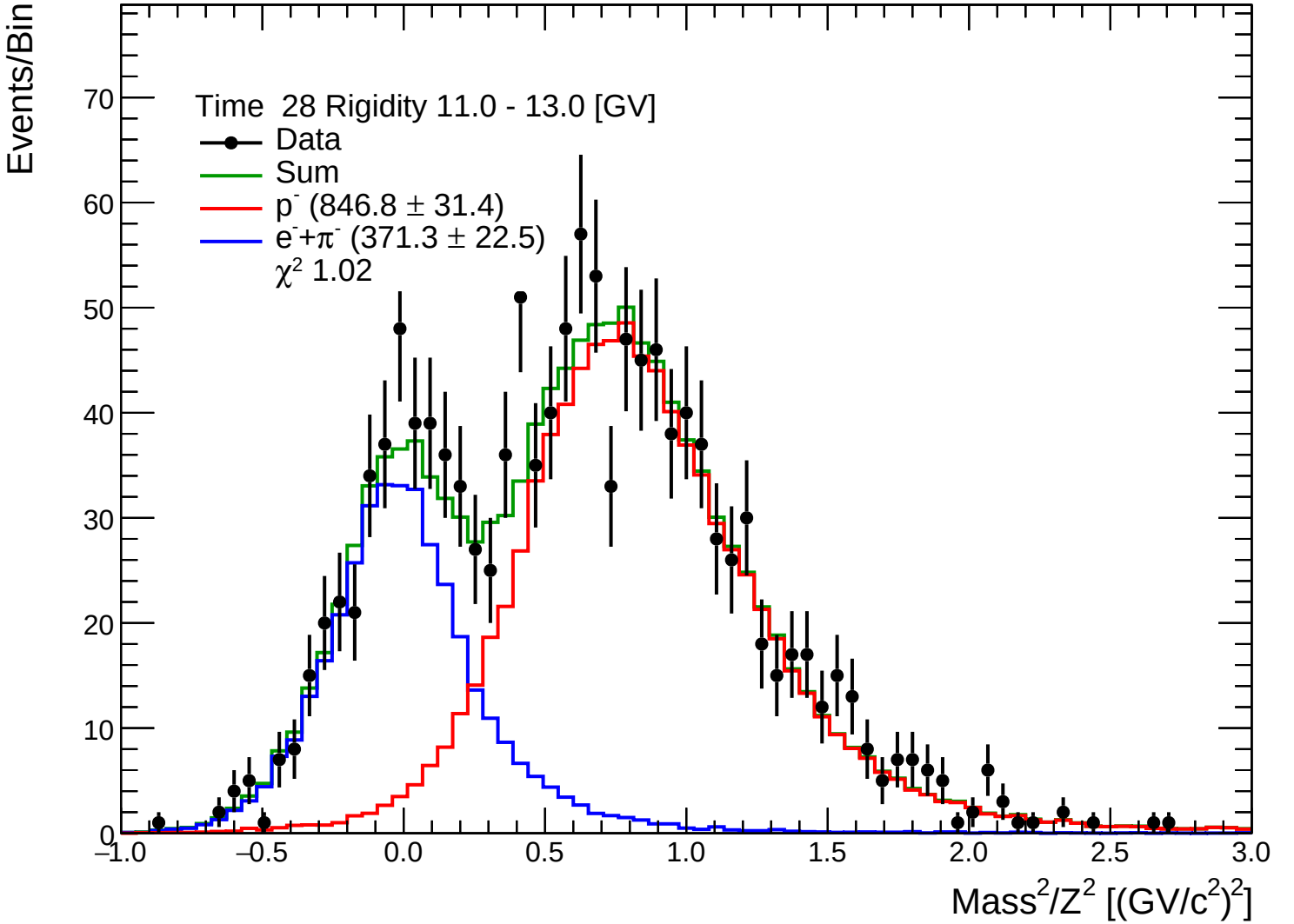

Events/Bin
400
350
300
250
200
150
100
50
0
974
975
976
977
978
979
980
Number [Temp 0]

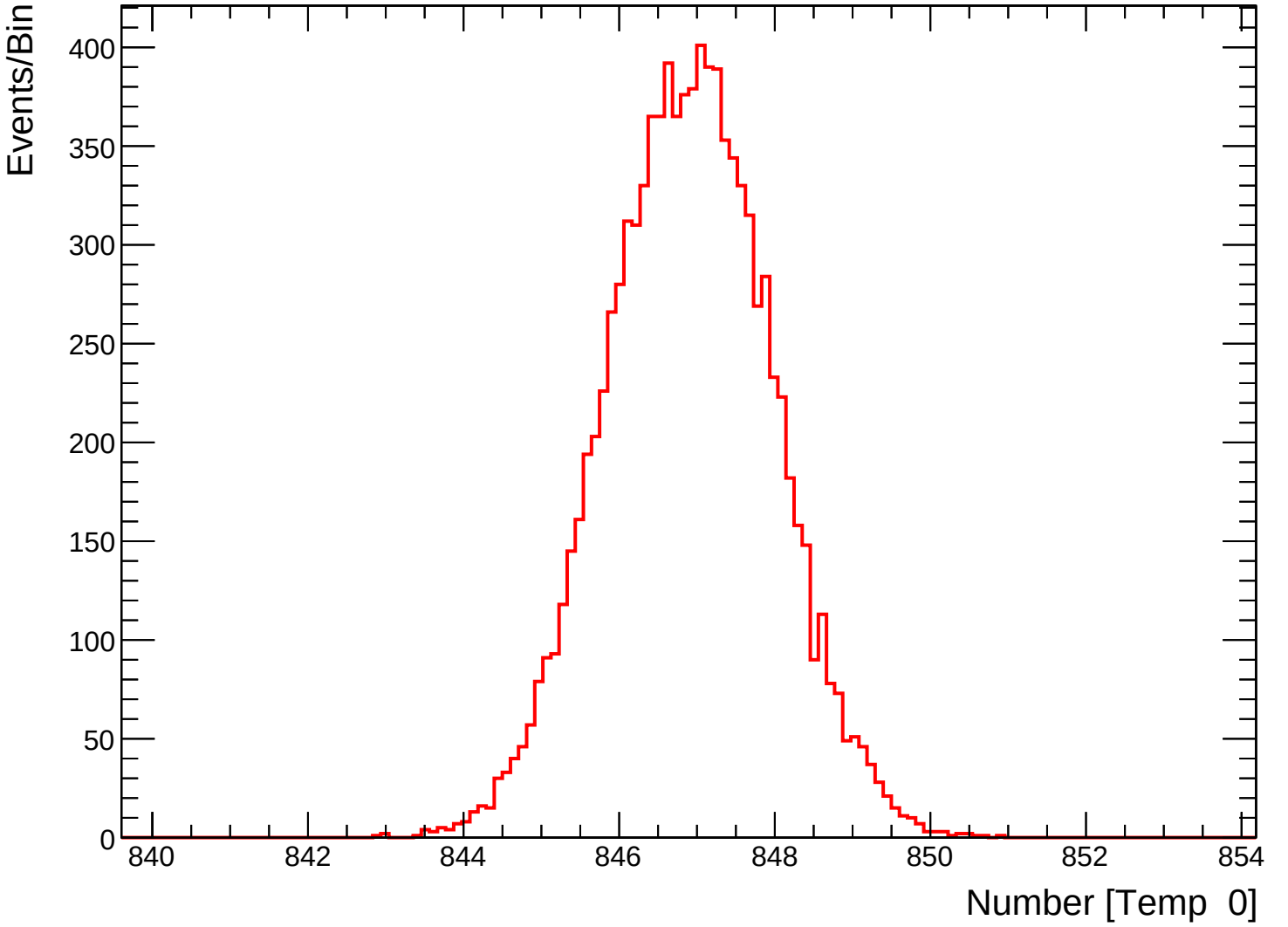

Time 28 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1014.4 ± 32.6)
e⁻+π⁻ (281.3 ± 17.9)
χ² 1.02
Events/Bin
Mass²/Z² [(GV/c²)²]
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

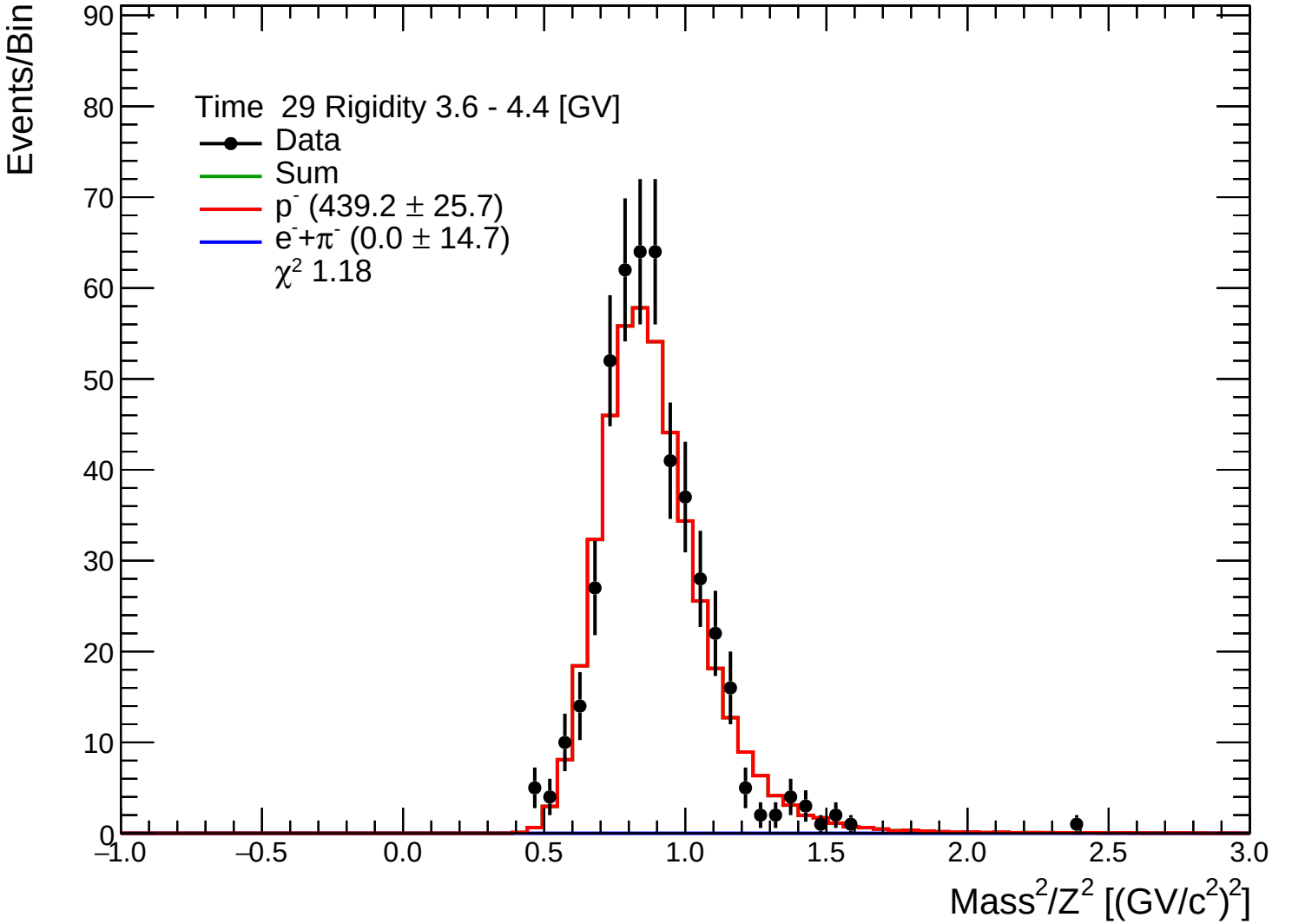

Events/Bin
400
350
300
250
200
150
100
50
0
1010
1011
1012
1013
1014
1015
1016
1017
1018
Number [Temp 0]

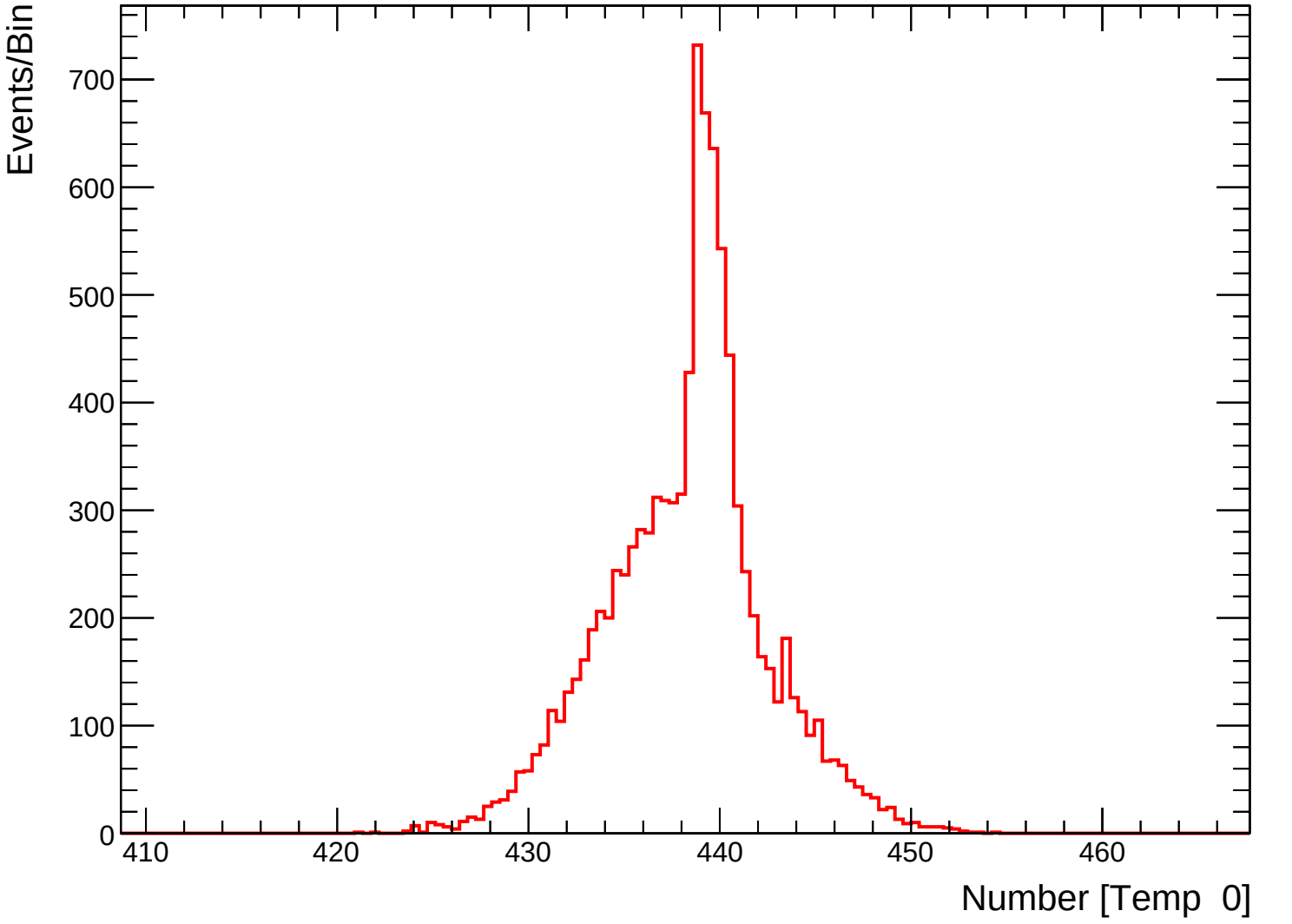

Time 28 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (945.7 ± 32.0)
e⁻+π⁻ (446.3 ± 22.8)
χ² 1.03
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

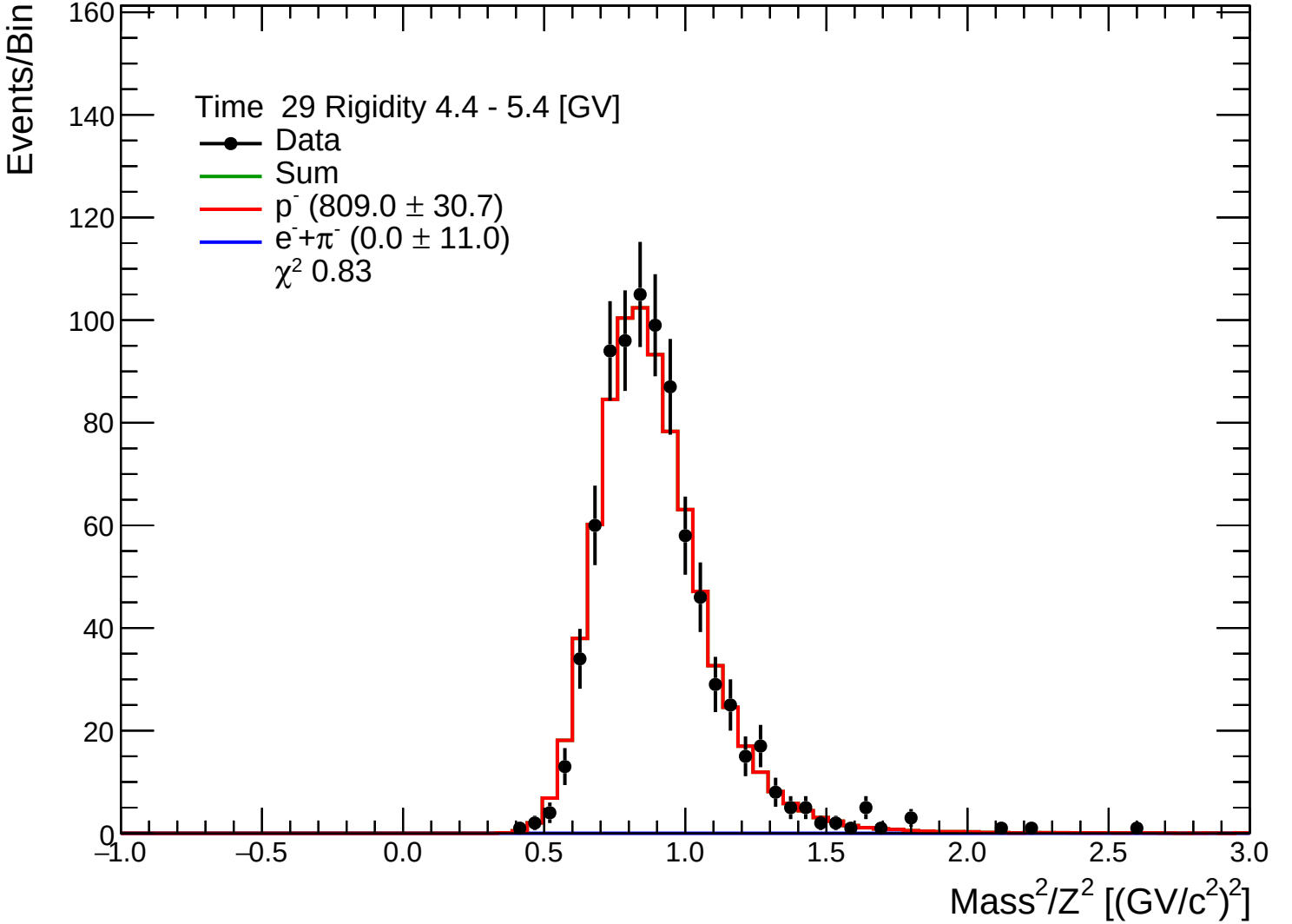

Events/Bin
400
350
300
250
200
150
100
50
0
942
944
946
948
950
Number [Temp 0]

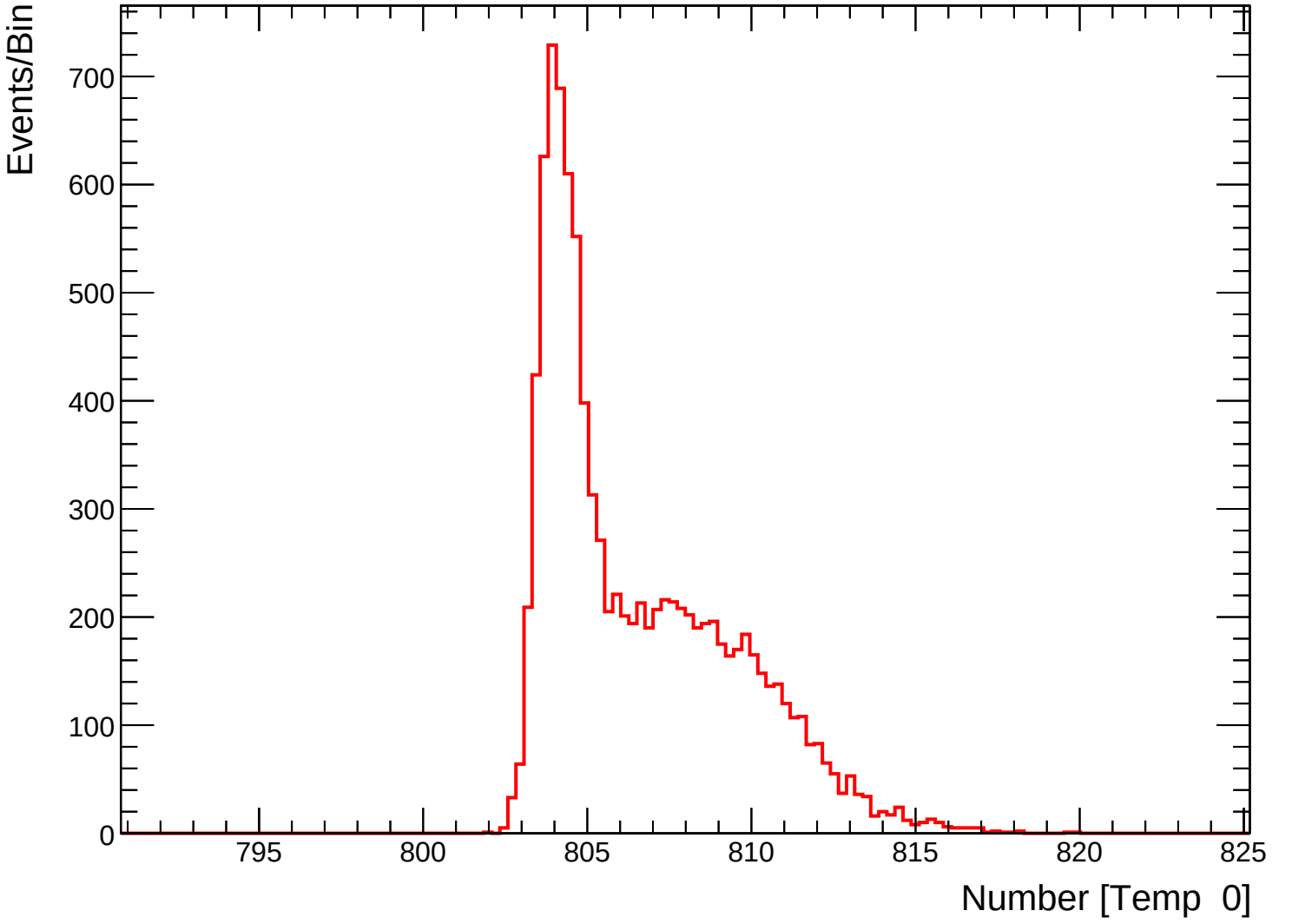

Time 28 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (846.8 ± 31.4)
e⁻+π⁻ (371.3 ± 22.5)
χ² 1.02
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

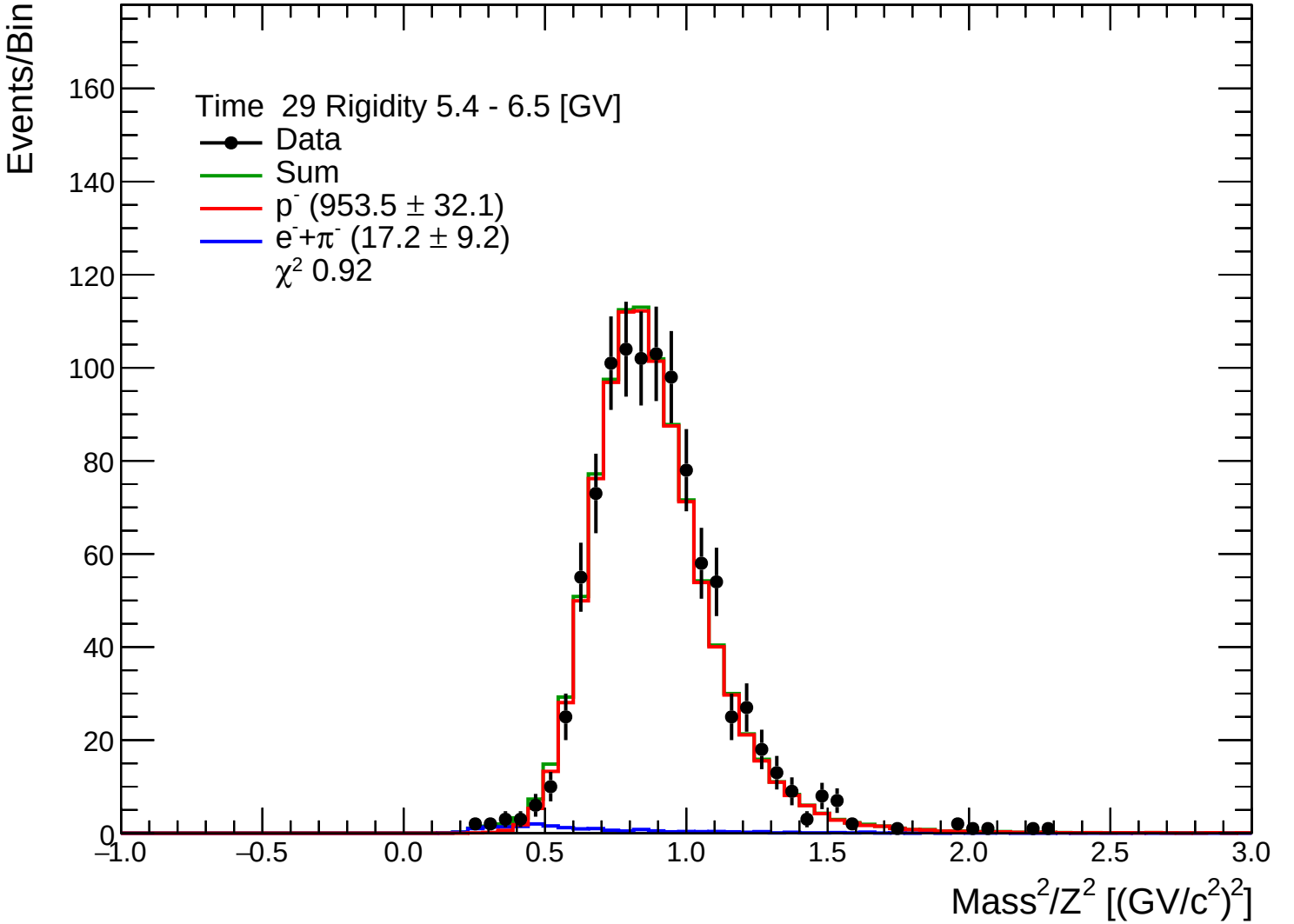

Events/Bin
400
350
300
250
200
150
100
50
0
840
842
844
846
848
850
852
854
Number [Temp 0]

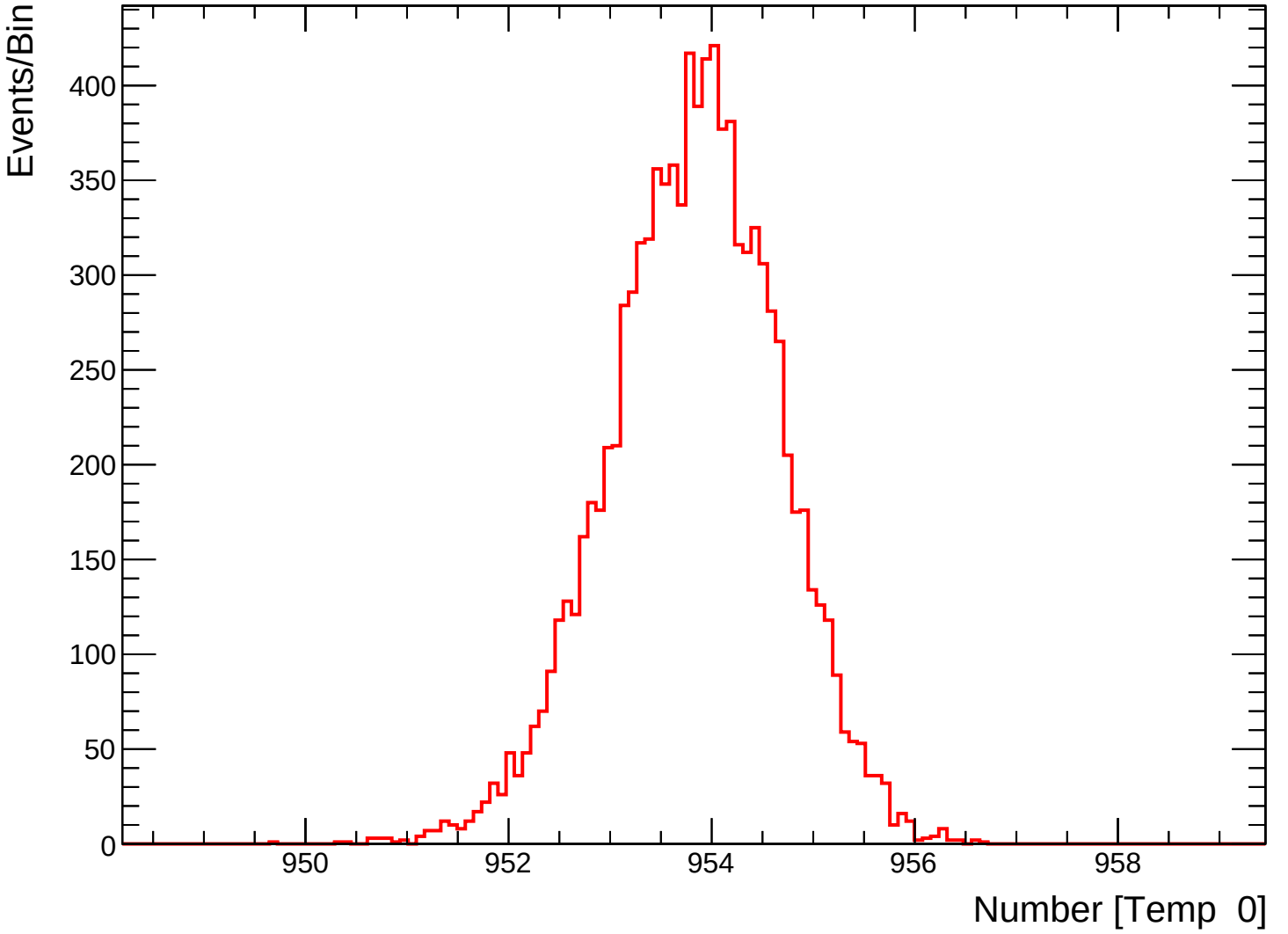

Time 29 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (439.2 ± 25.7)
e⁻+π⁻ (0.0 ± 14.7)
χ² 1.18
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

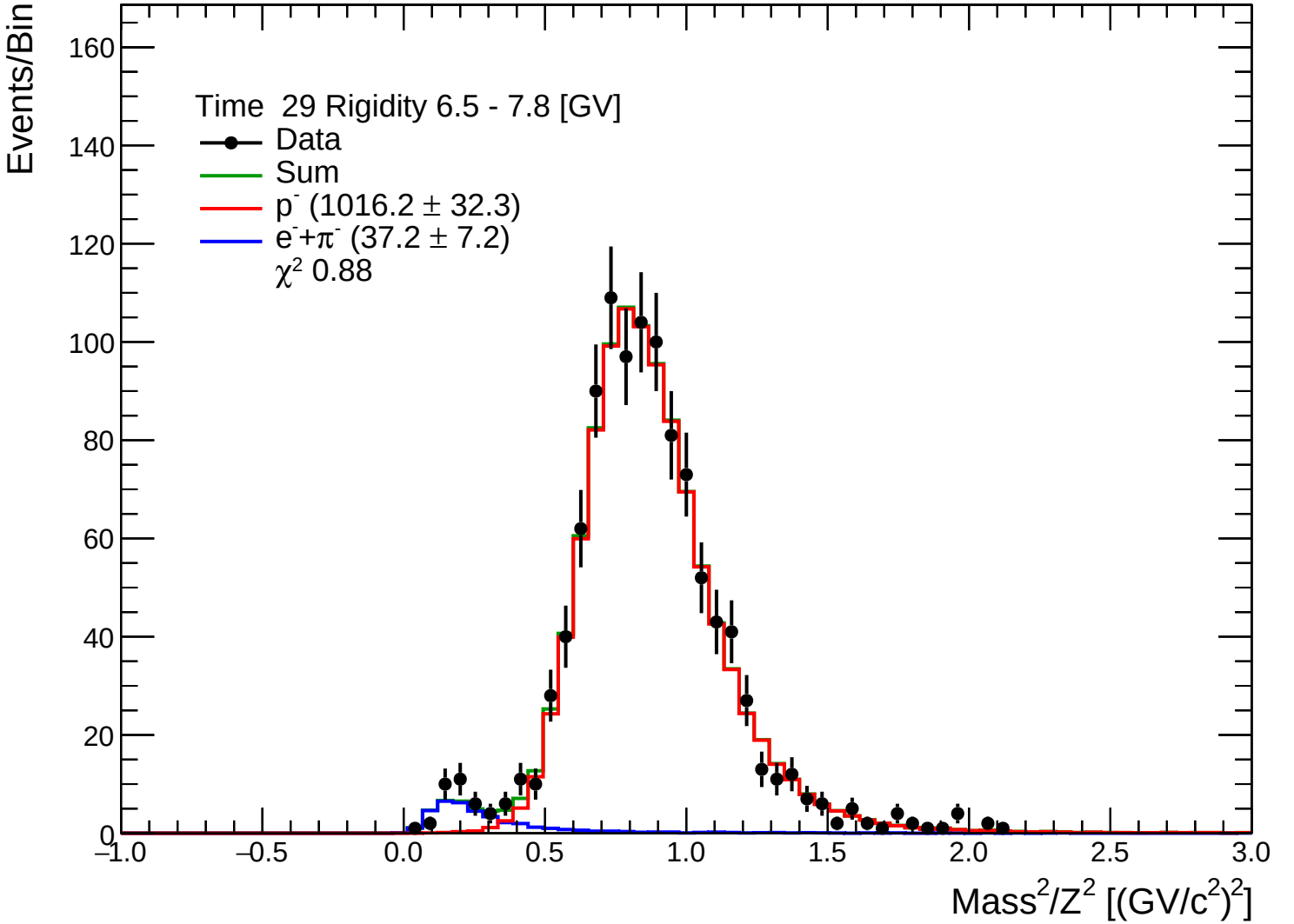

Events/Bin
700
600
500
400
300
200
100
0
410
420
430
440
450
460
Number [Temp 0]

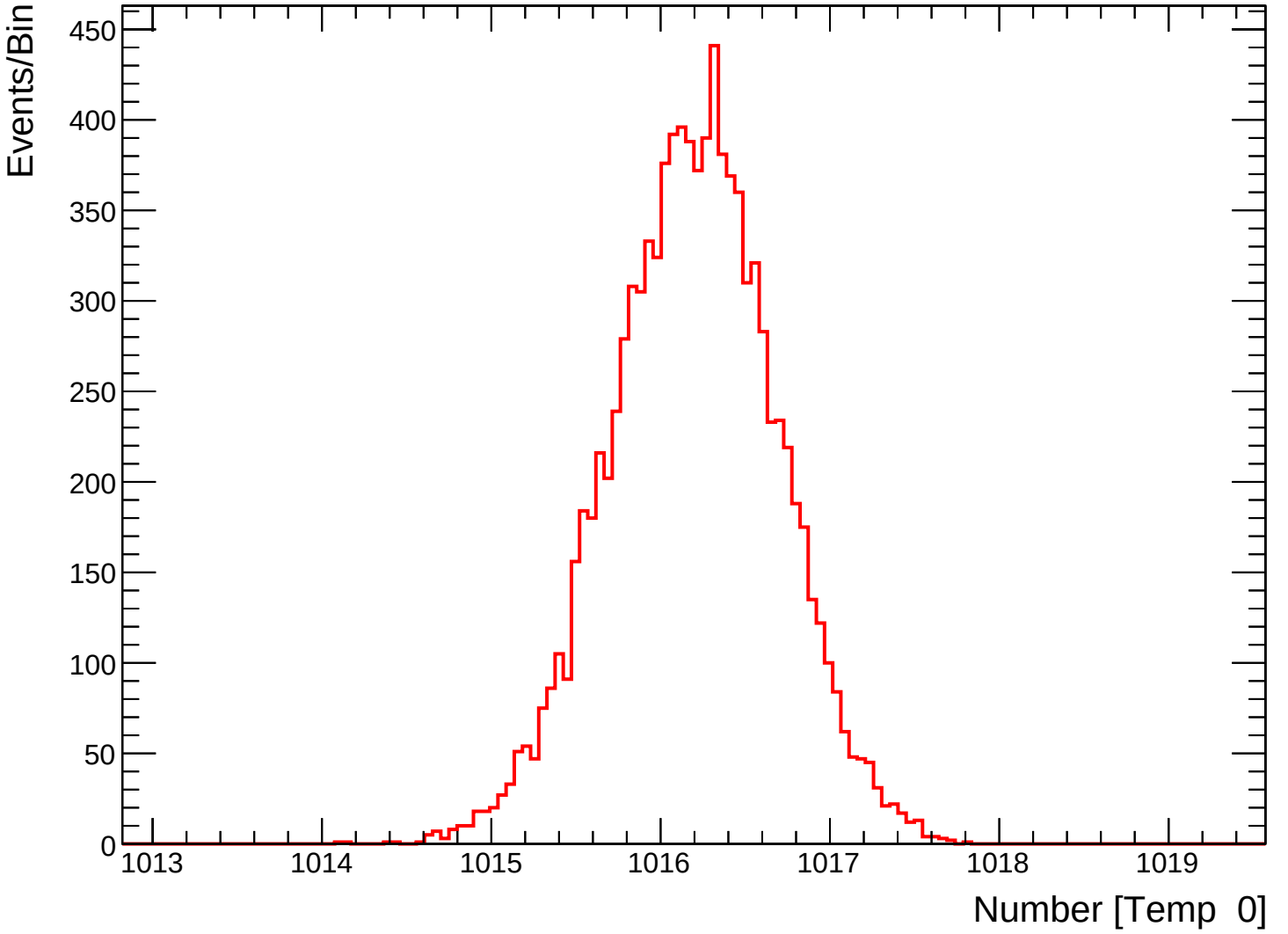

Time 29 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (809.0 ± 30.7)
e⁻+π⁻ (0.0 ± 11.0)
χ² 0.83
Events/Bin
Mass²/Z² [(GV/c²)²]
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

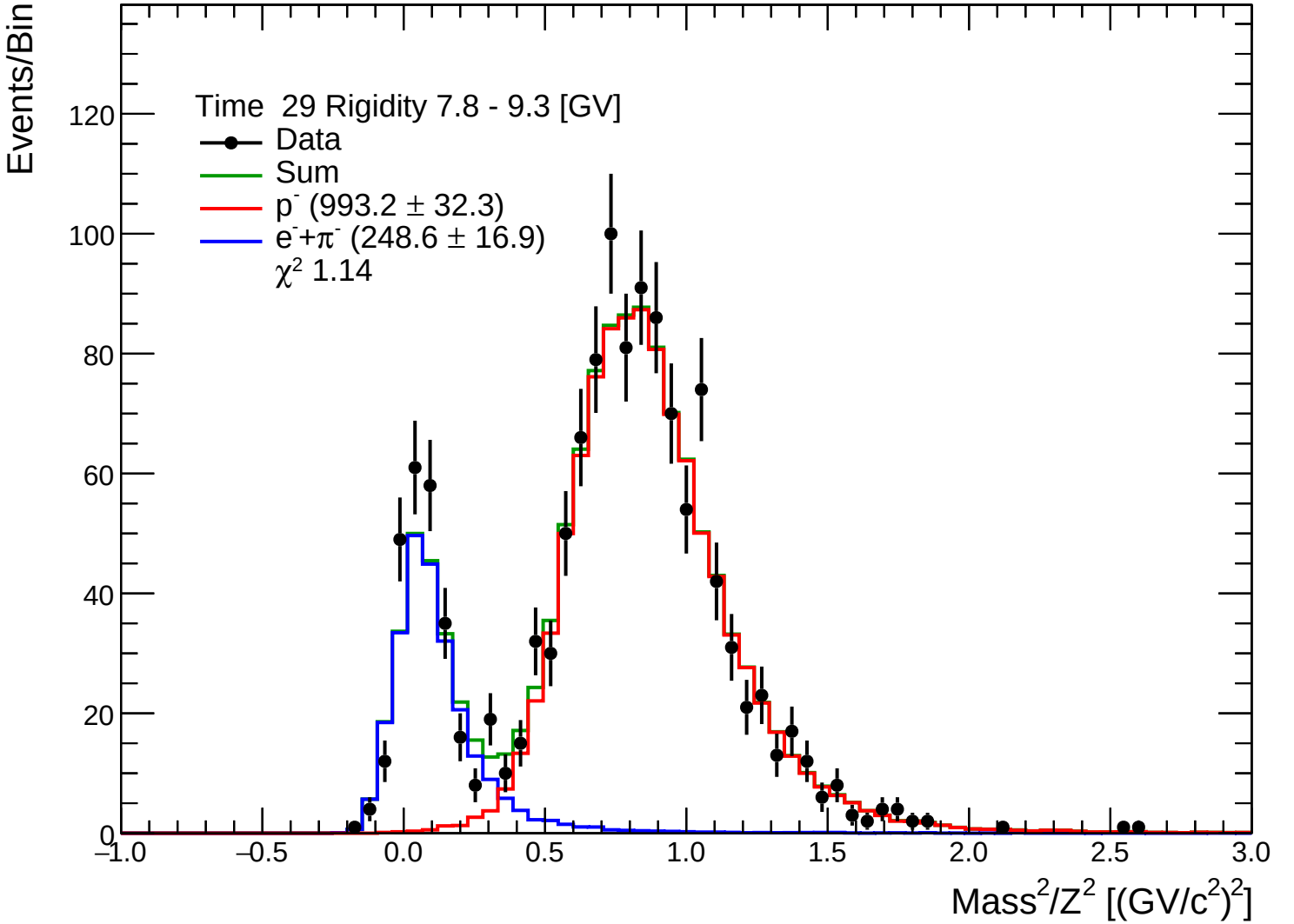

Events/Bin
700
600
500
400
300
200
100
0
795
800
805
810
815
820
825
Number [Temp 0]

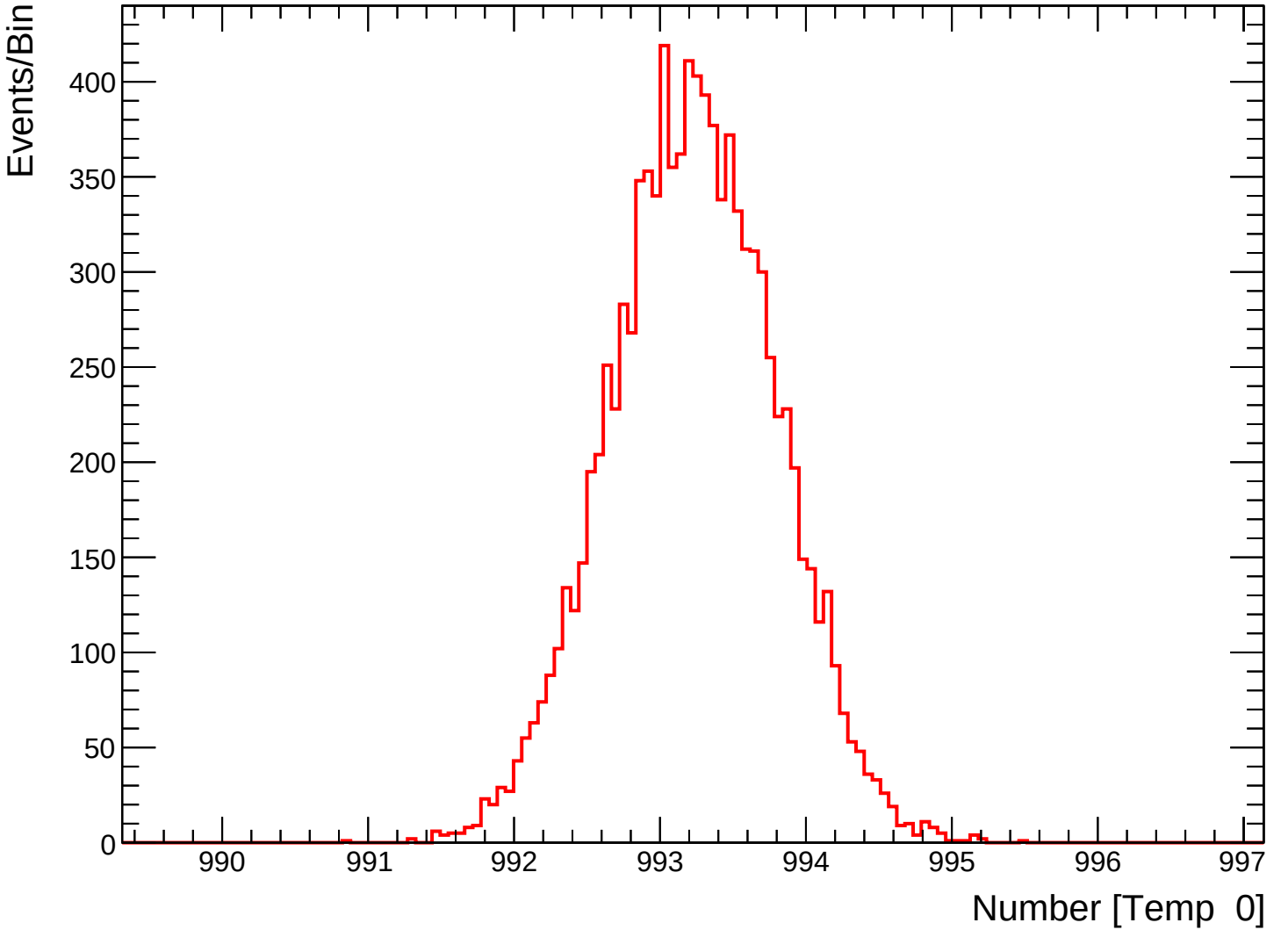

Time 29 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (953.5 ± 32.1)
e⁻+π⁻ (17.2 ± 9.2)
χ² 0.92
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

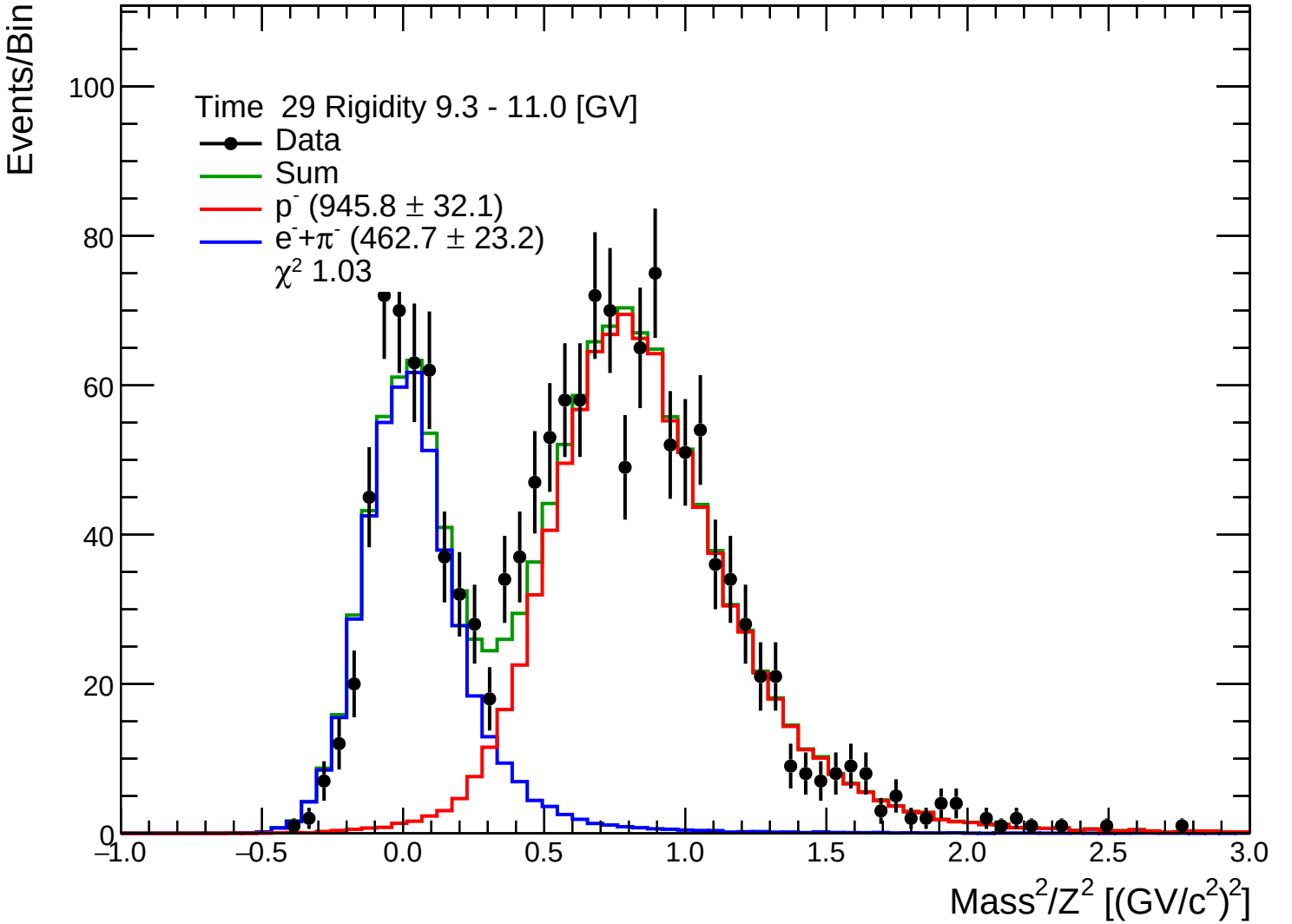

Events/Bin
400
350
300
250
200
150
100
50
0
950
952
954
956
958
Number [Temp 0]

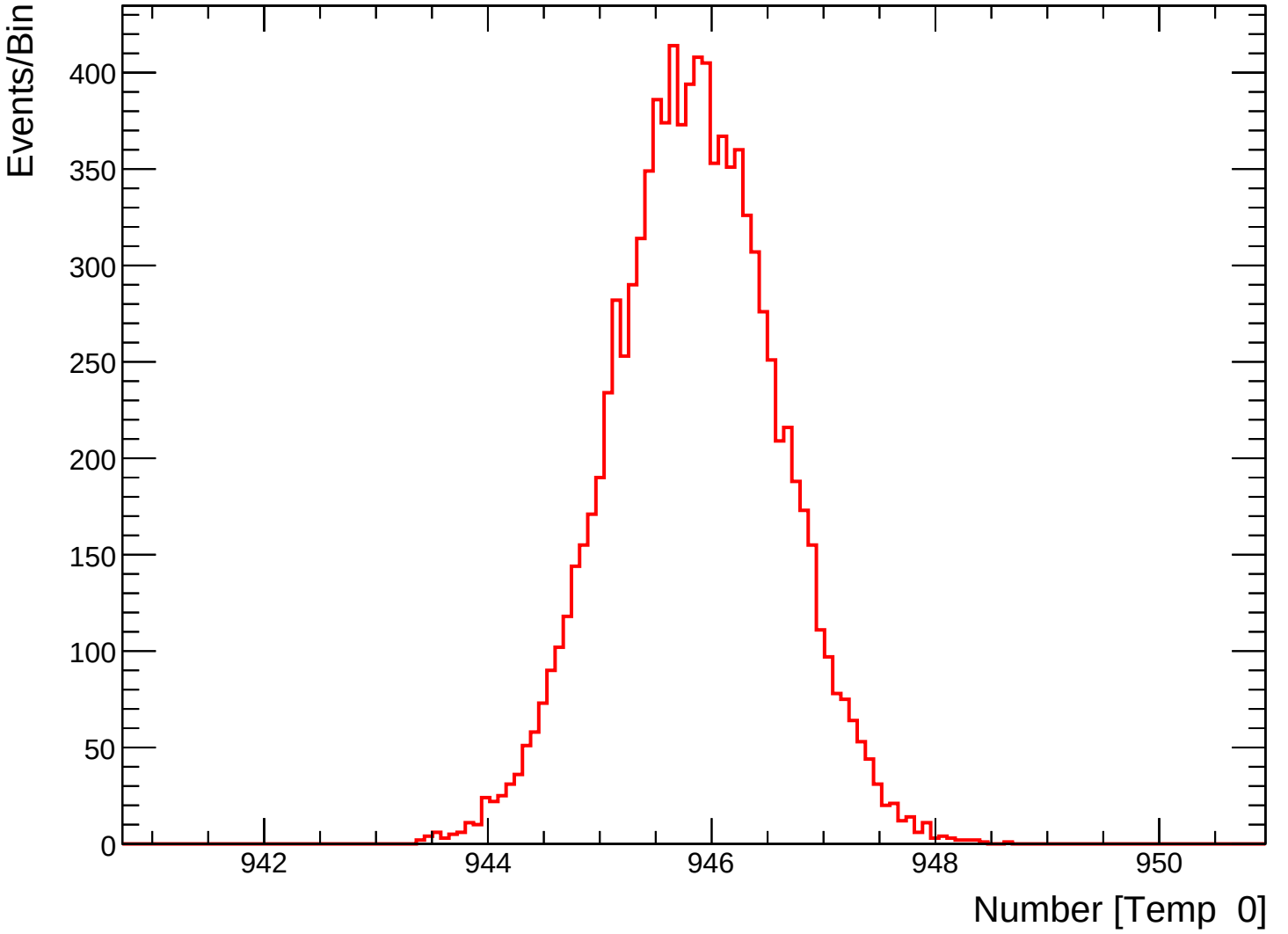

Time 29 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1016.2 ± 32.3)
e⁻+π⁻ (37.2 ± 7.2)
χ² 0.88
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

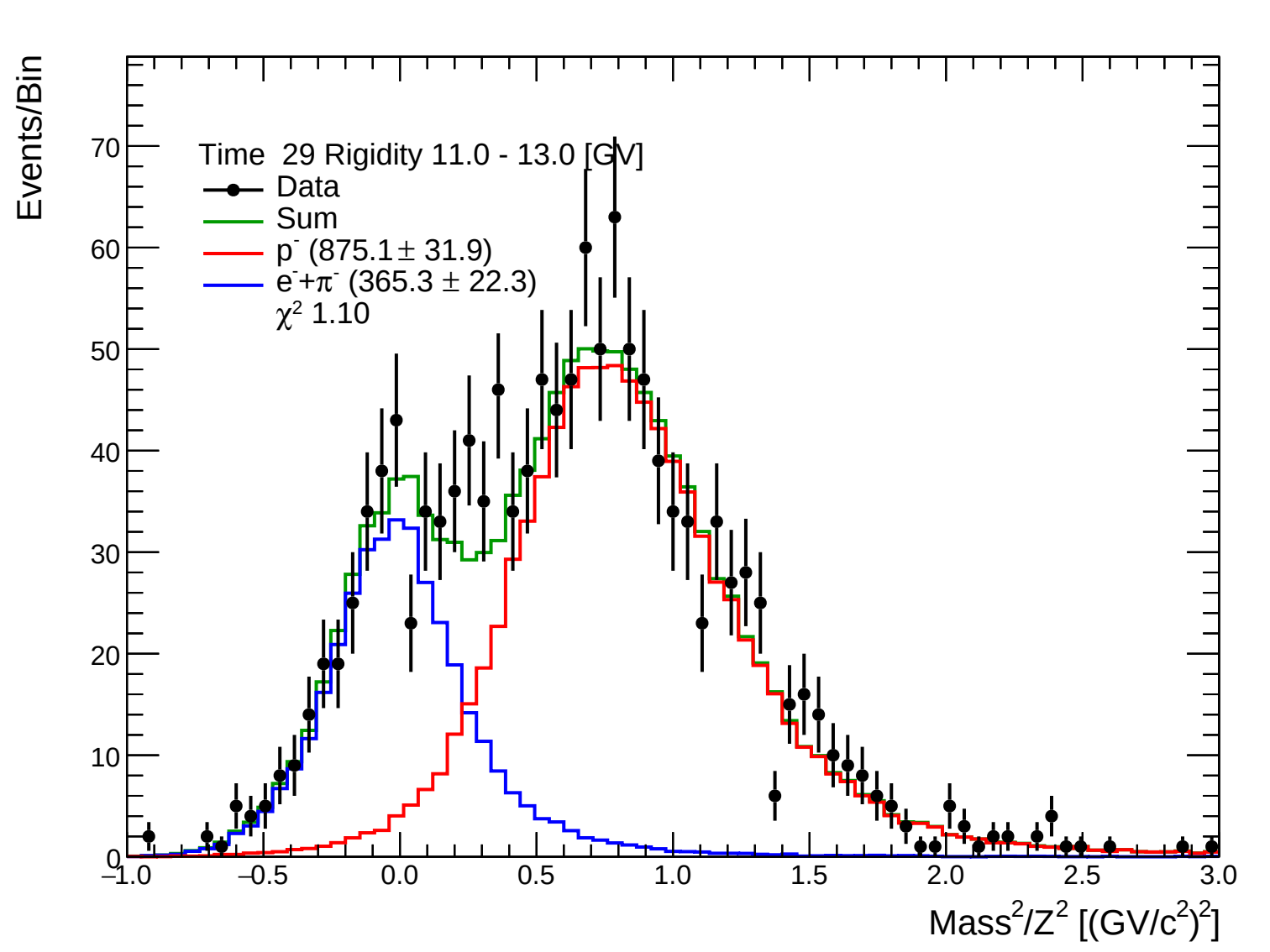

Events/Bin
450
400
350
300
250
200
150
100
50
0
1013
1014
1015
1016
1017
1018
1019
Number [Temp 0]

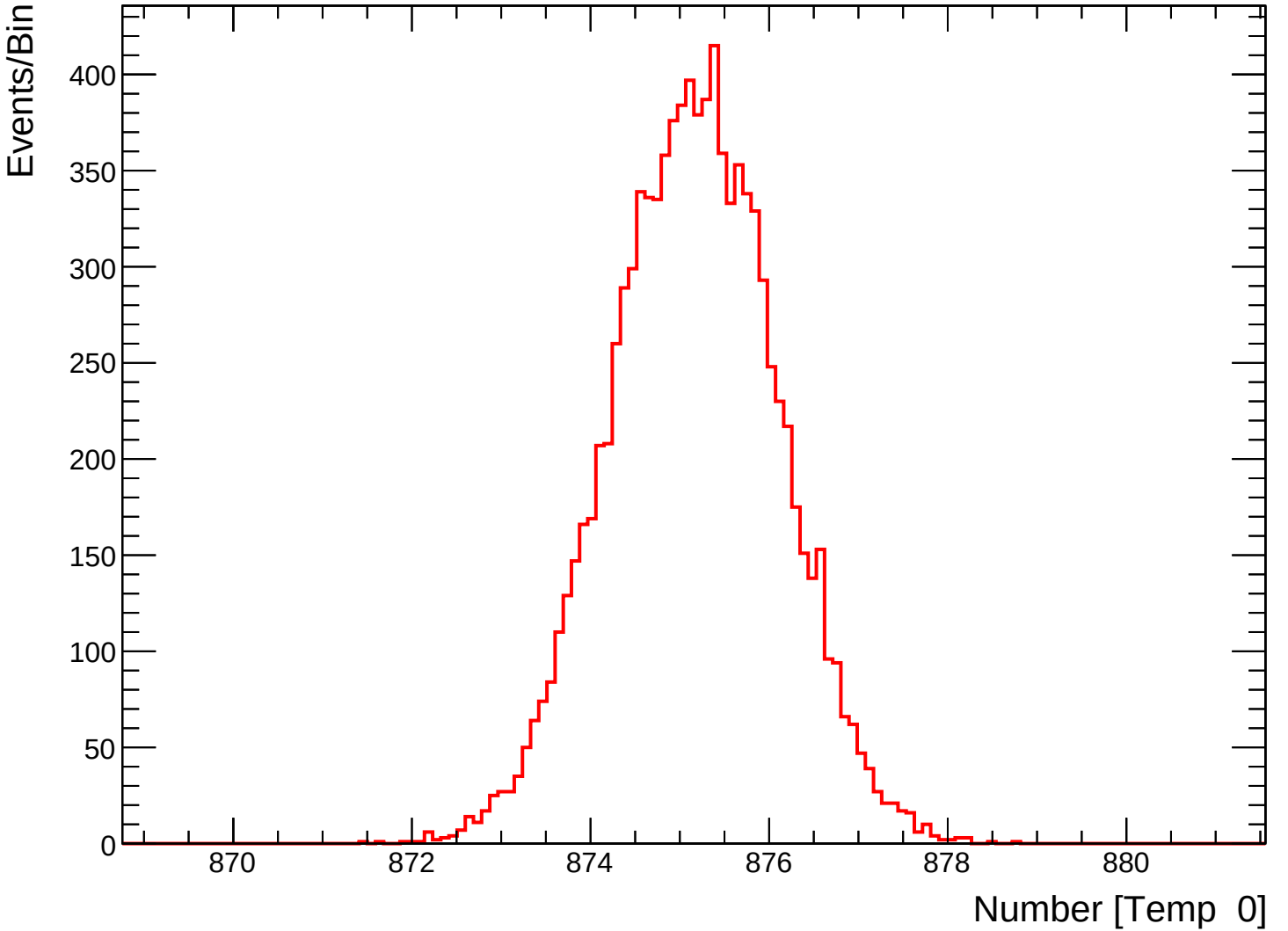

Time 29 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (993.2 ± 32.3)
e⁻+π⁻ (248.6 ± 16.9)
χ² 1.14
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

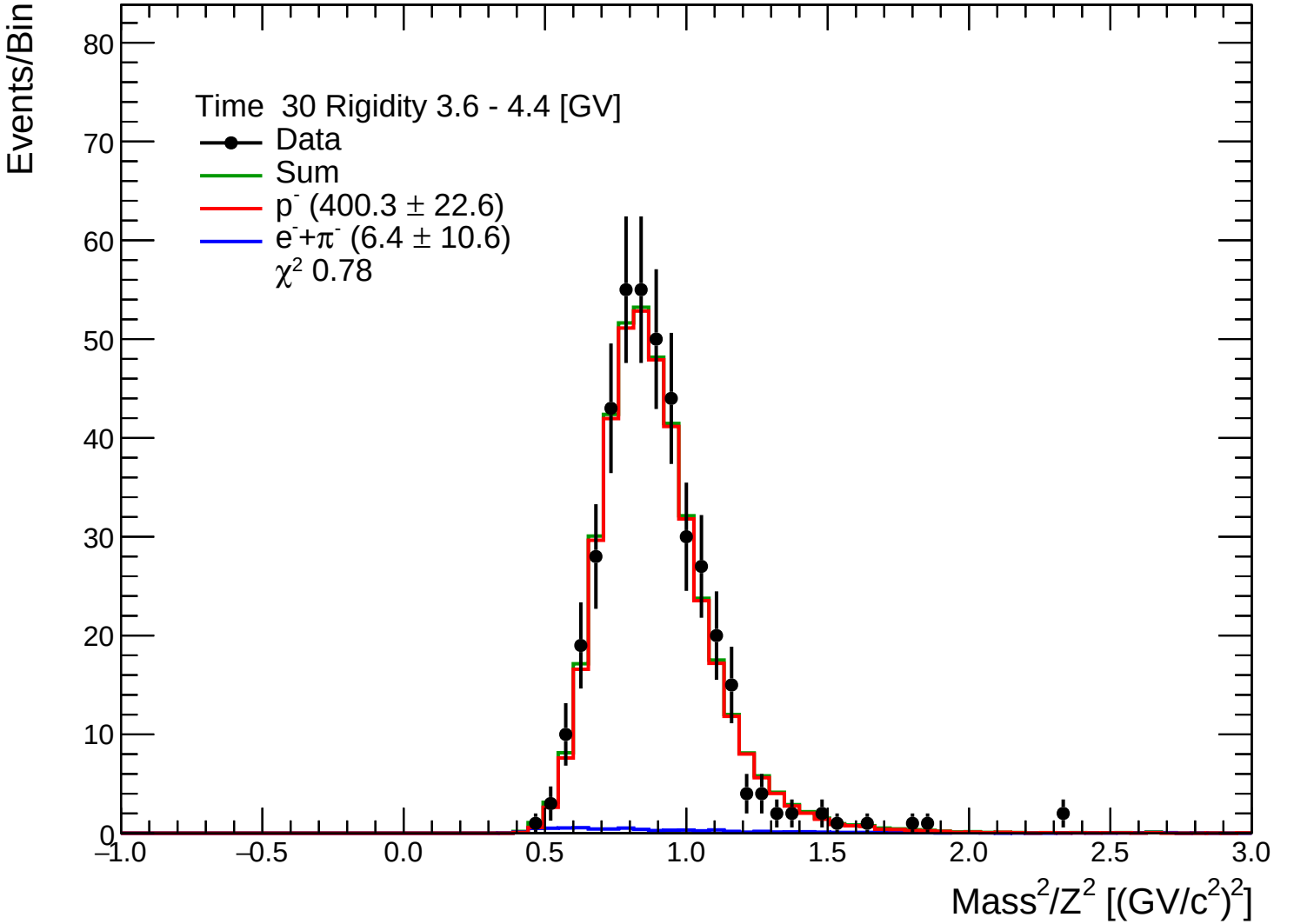

Events/Bin
400
350
300
250
200
150
100
50
0
990
991
992
993
994
995
996
997
Number [Temp 0]

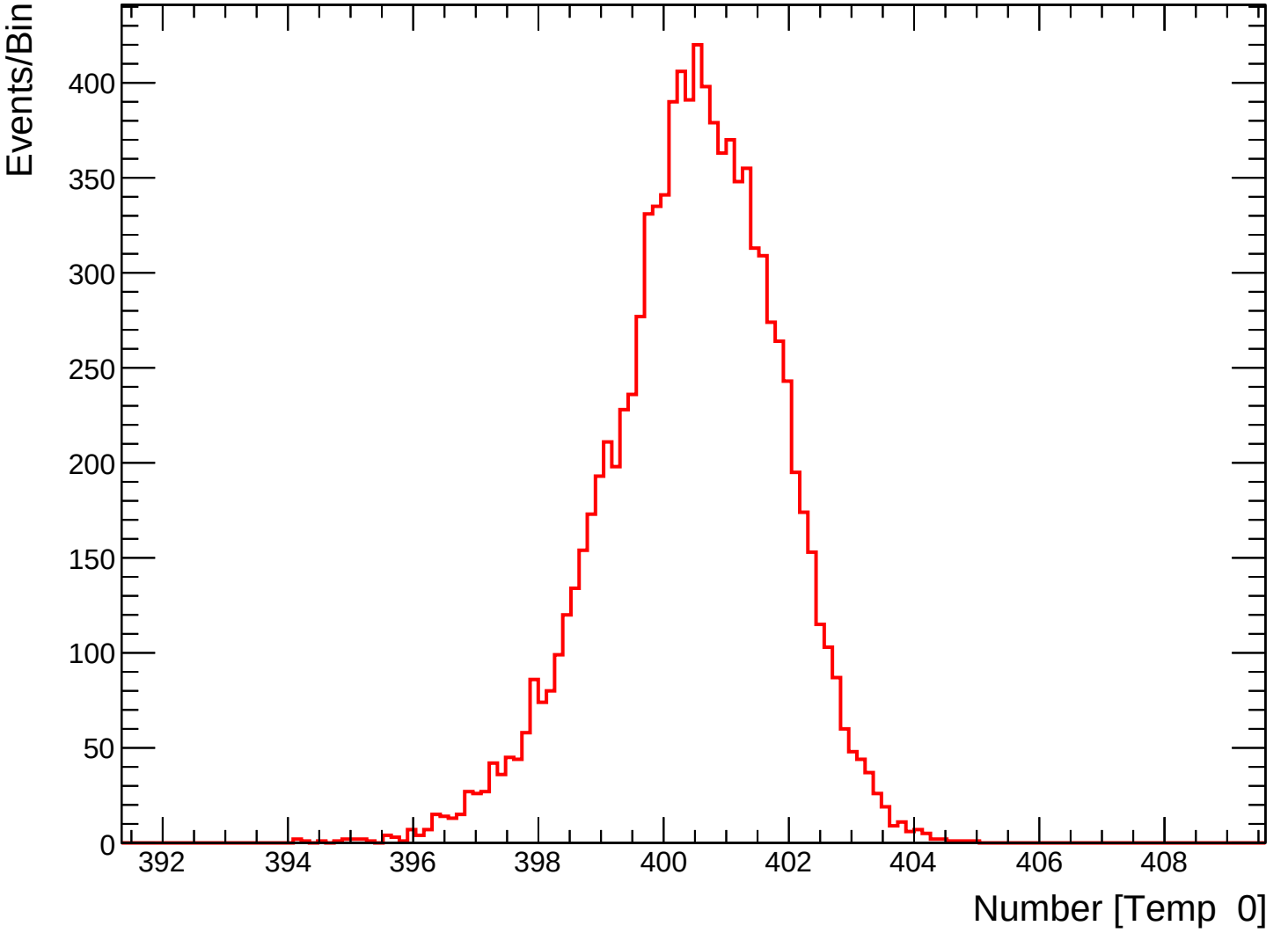

Events/Bin
Time 29 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (945.8 ± 32.1)
e⁻+π⁻ (462.7 ± 23.2)
χ² 1.03
Mass²/Z² [(GV/c²)²]

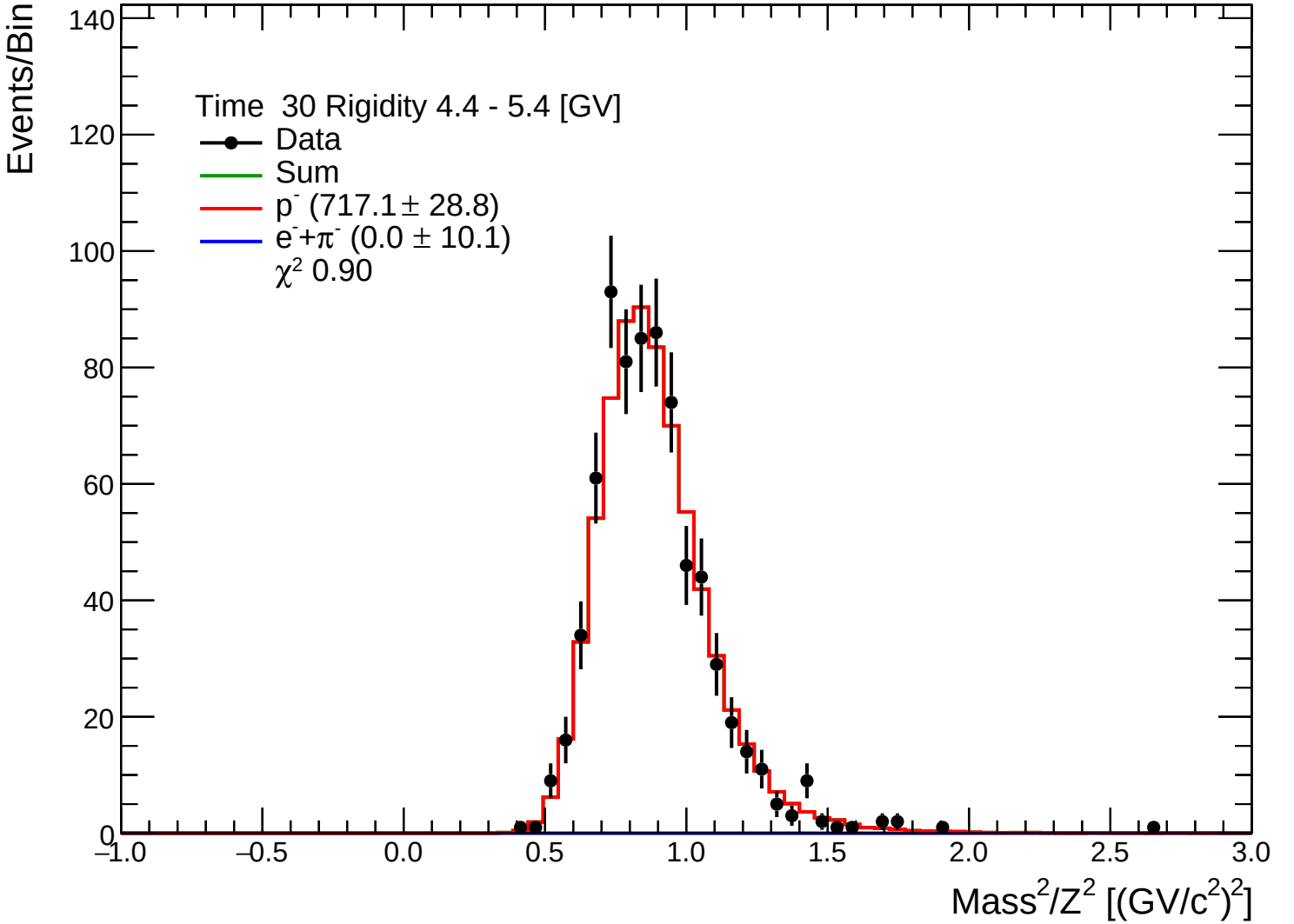

Events/Bin
400
350
300
250
200
150
100
50
0
942
944
946
948
950
Number [Temp 0]

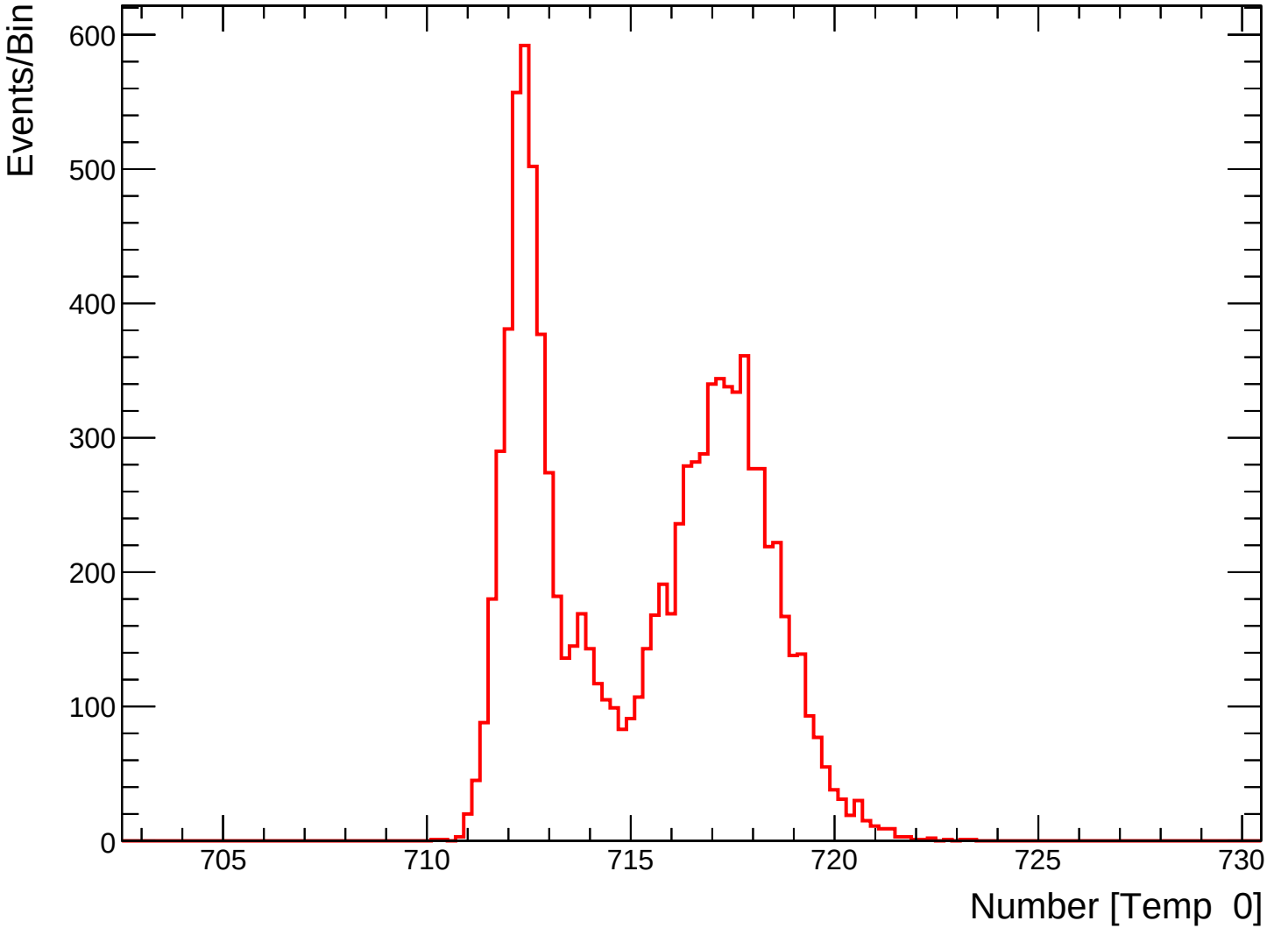

Time 29 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (875.1 ± 31.9)
e⁻+π⁻ (365.3 ± 22.3)
χ² 1.10
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

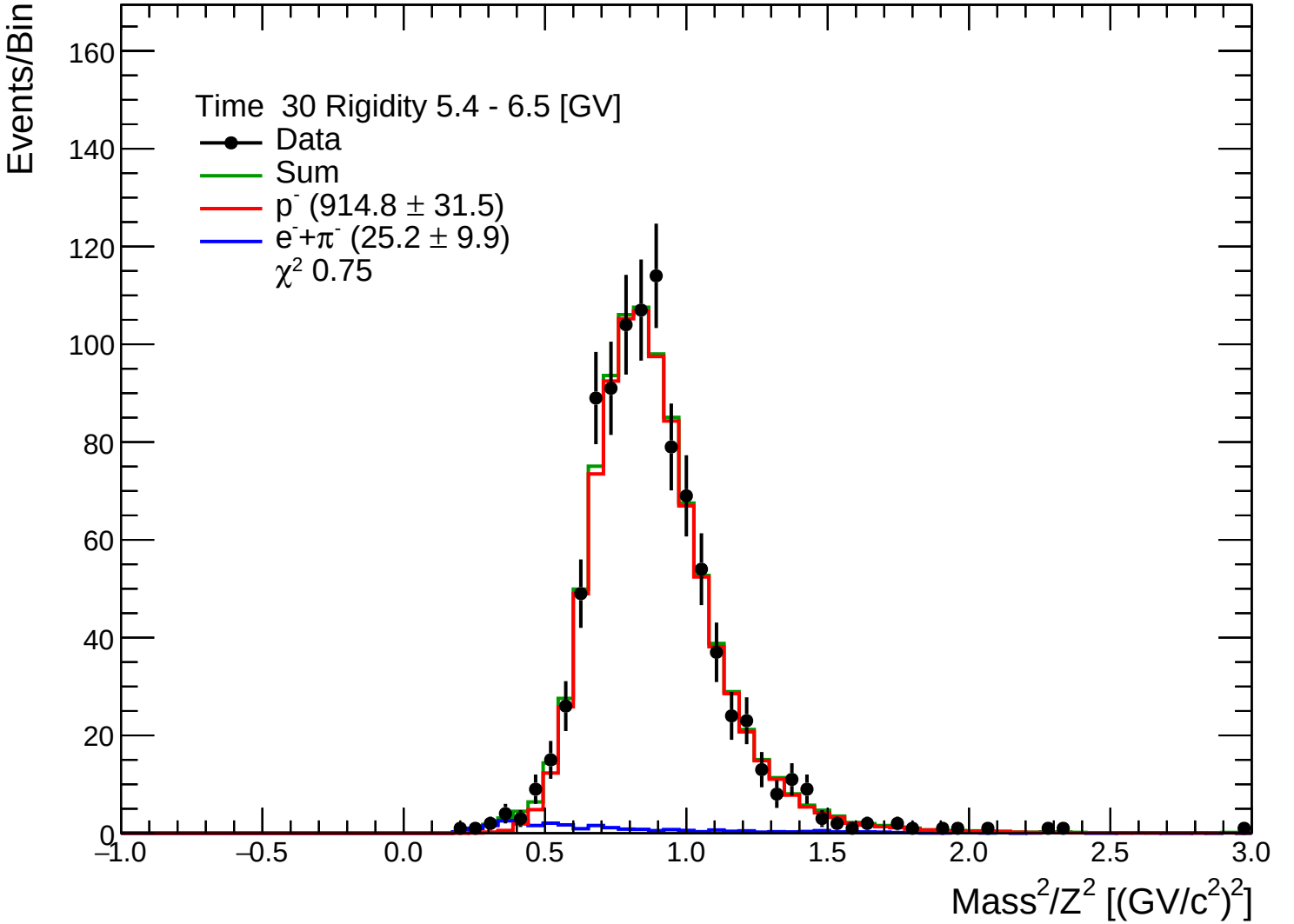

Events/Bin
400
350
300
250
200
150
100
50
0
870
872
874
876
878
880
Number [Temp 0]

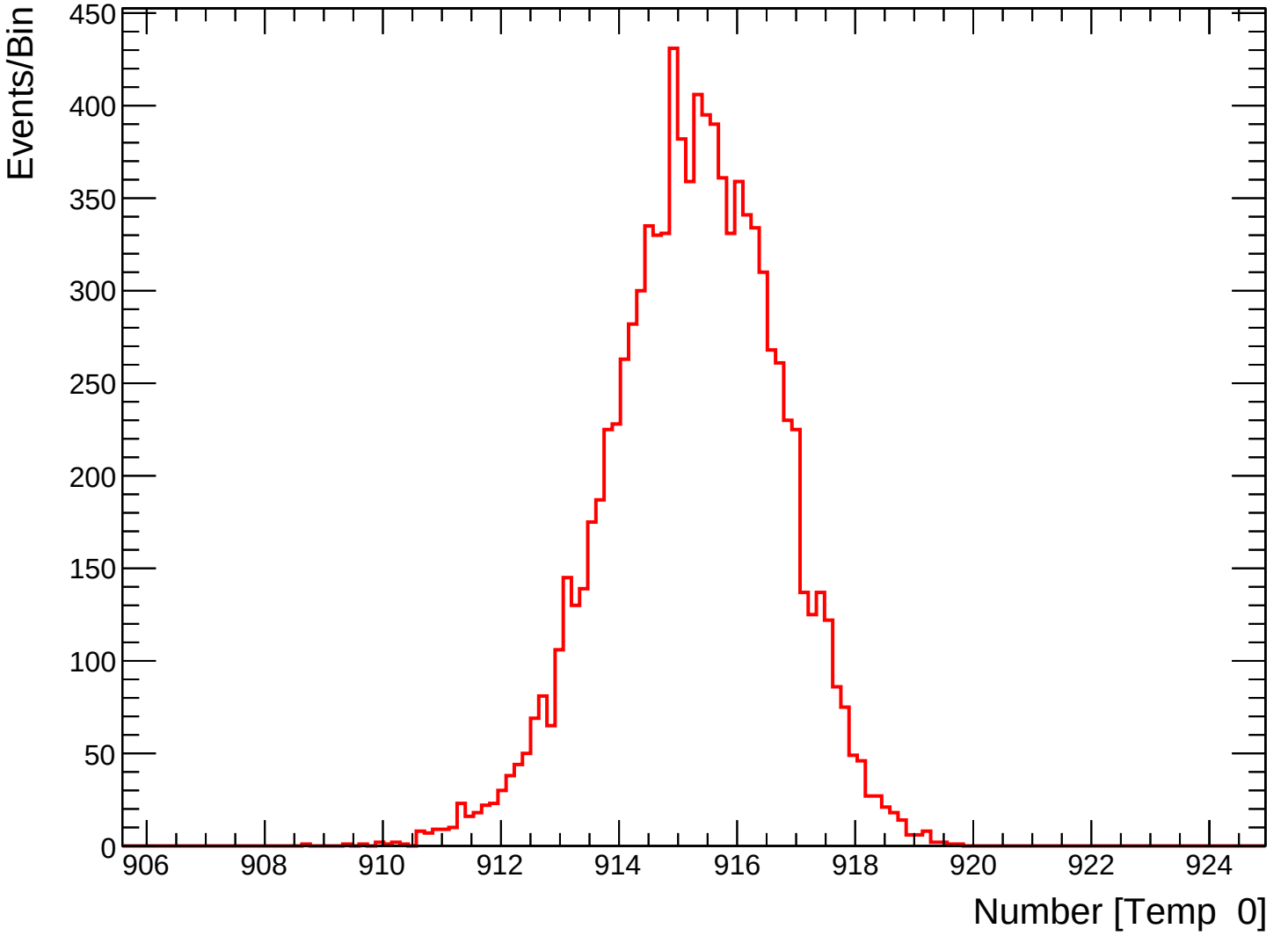

Time 30 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (400.3 ± 22.6)
e⁻+π⁻ (6.4 ± 10.6)
χ² 0.78
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

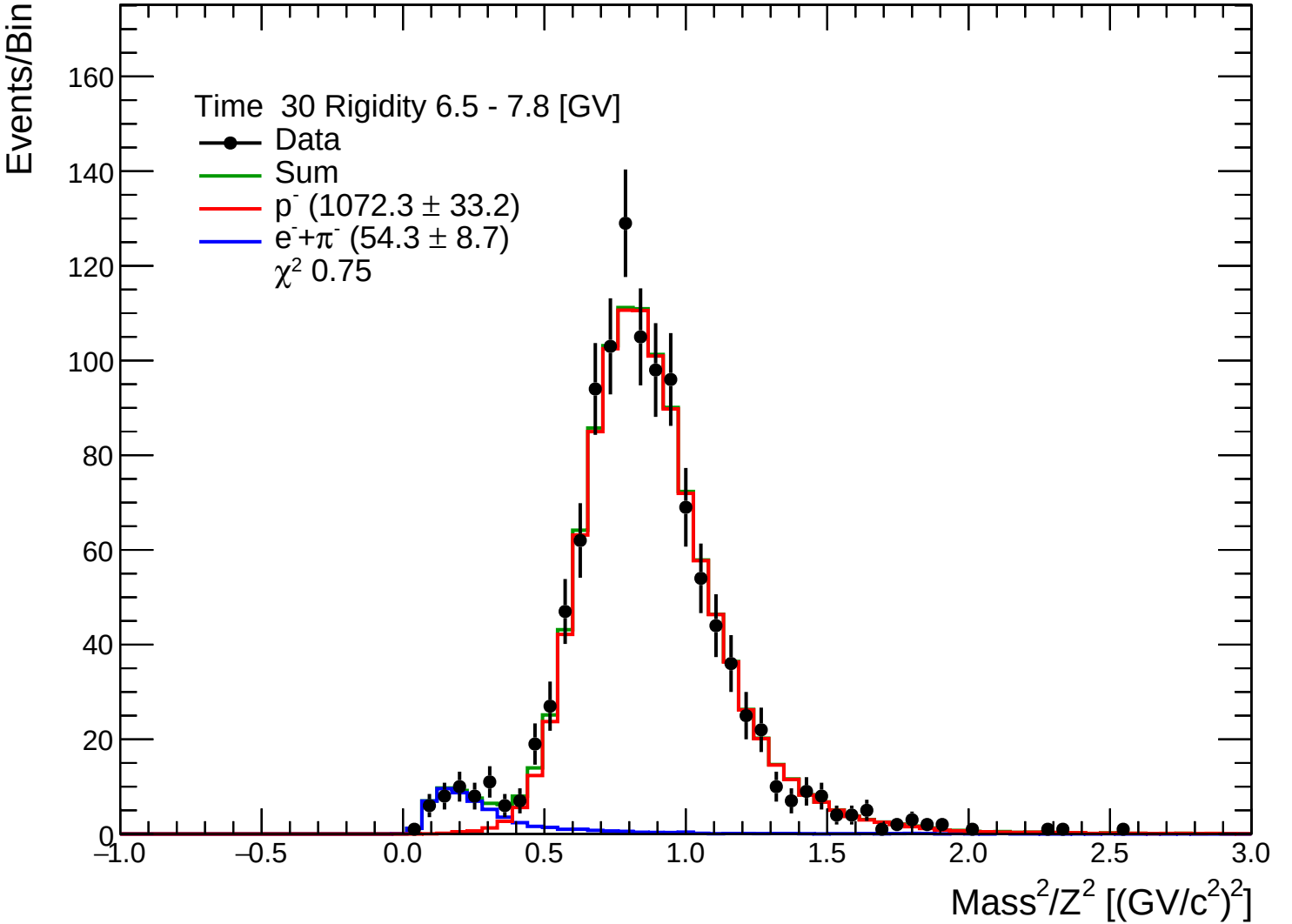

Events/Bin
400
350
300
250
200
150
100
50
0
392
394
396
398
400
402
404
406
408
Number [Temp 0]

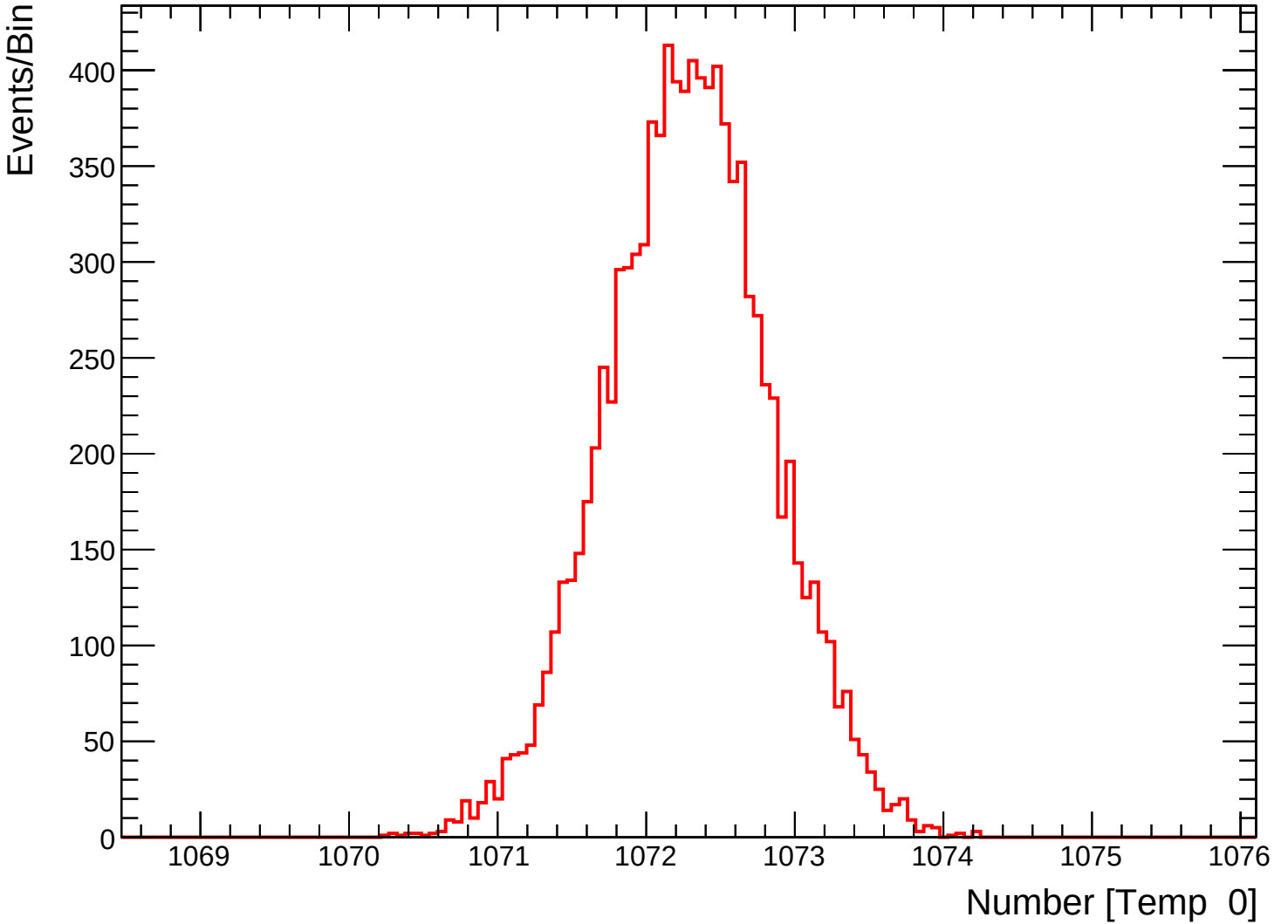

Time 30 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (717.1 ± 28.8)
e⁻+π⁻ (0.0 ± 10.1)
χ² 0.90
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

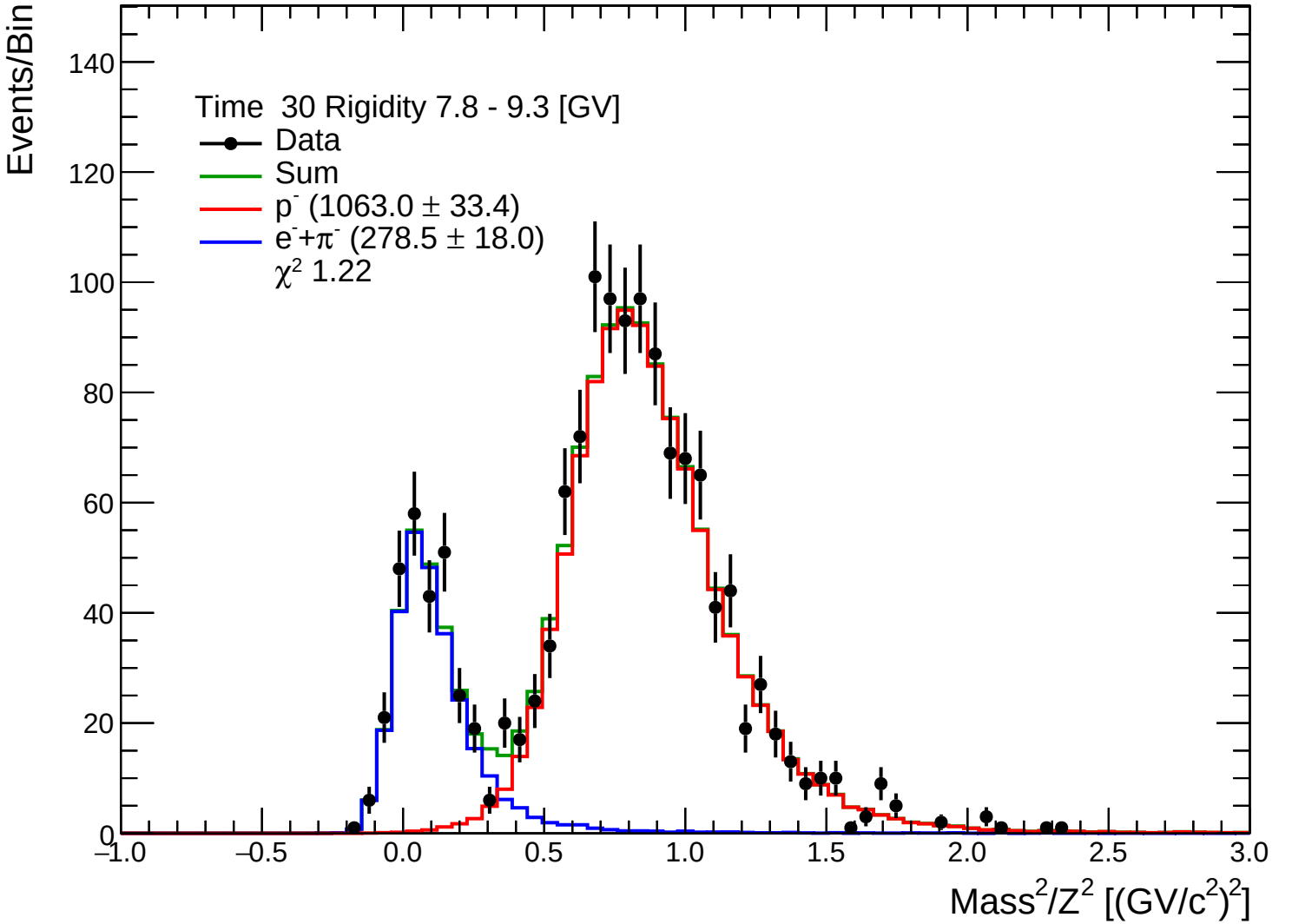

Events/Bin
600
500
400
300
200
100
0
705
710
715
720
725
730
Number [Temp 0]

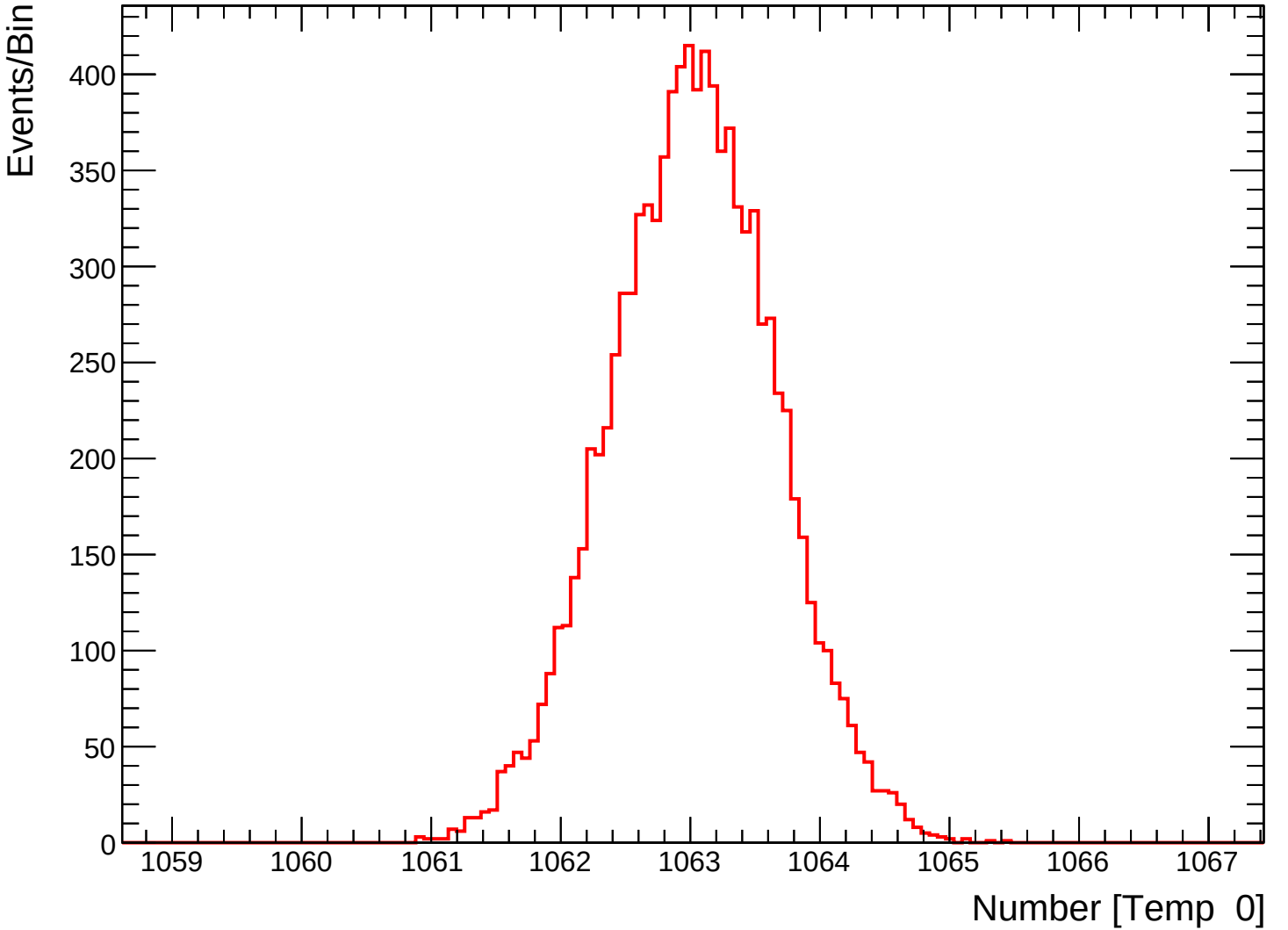

Time 30 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (914.8 ± 31.5)
e⁻+π⁻ (25.2 ± 9.9)
χ² 0.75
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

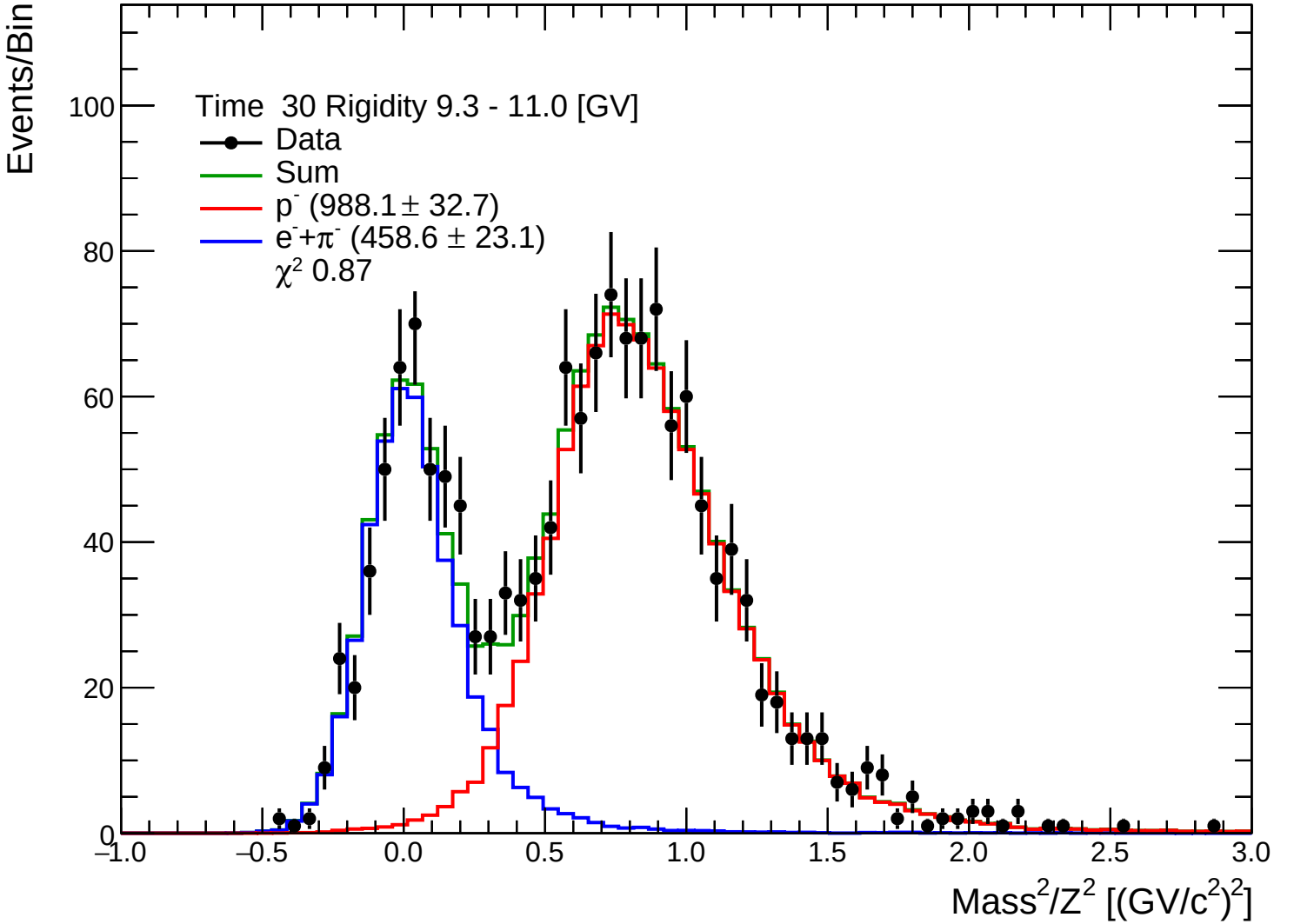

Events/Bin
450
400
350
300
250
200
150
100
50
0
906
908
910
912
914
916
918
920
922
924
Number [Temp 0]

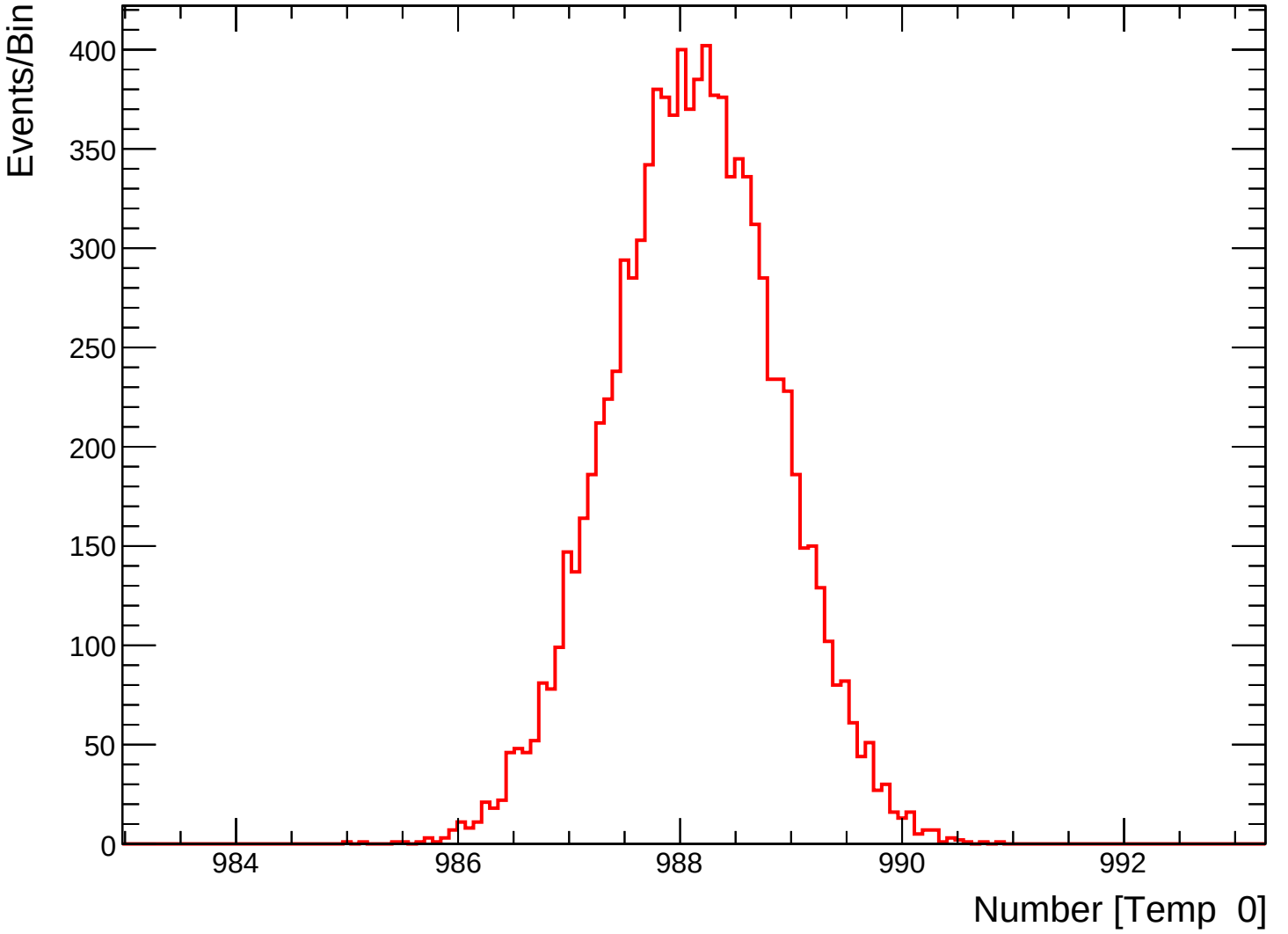

Time 30 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1072.3 ± 33.2)
e⁻+π⁻ (54.3 ± 8.7)
χ² 0.75
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

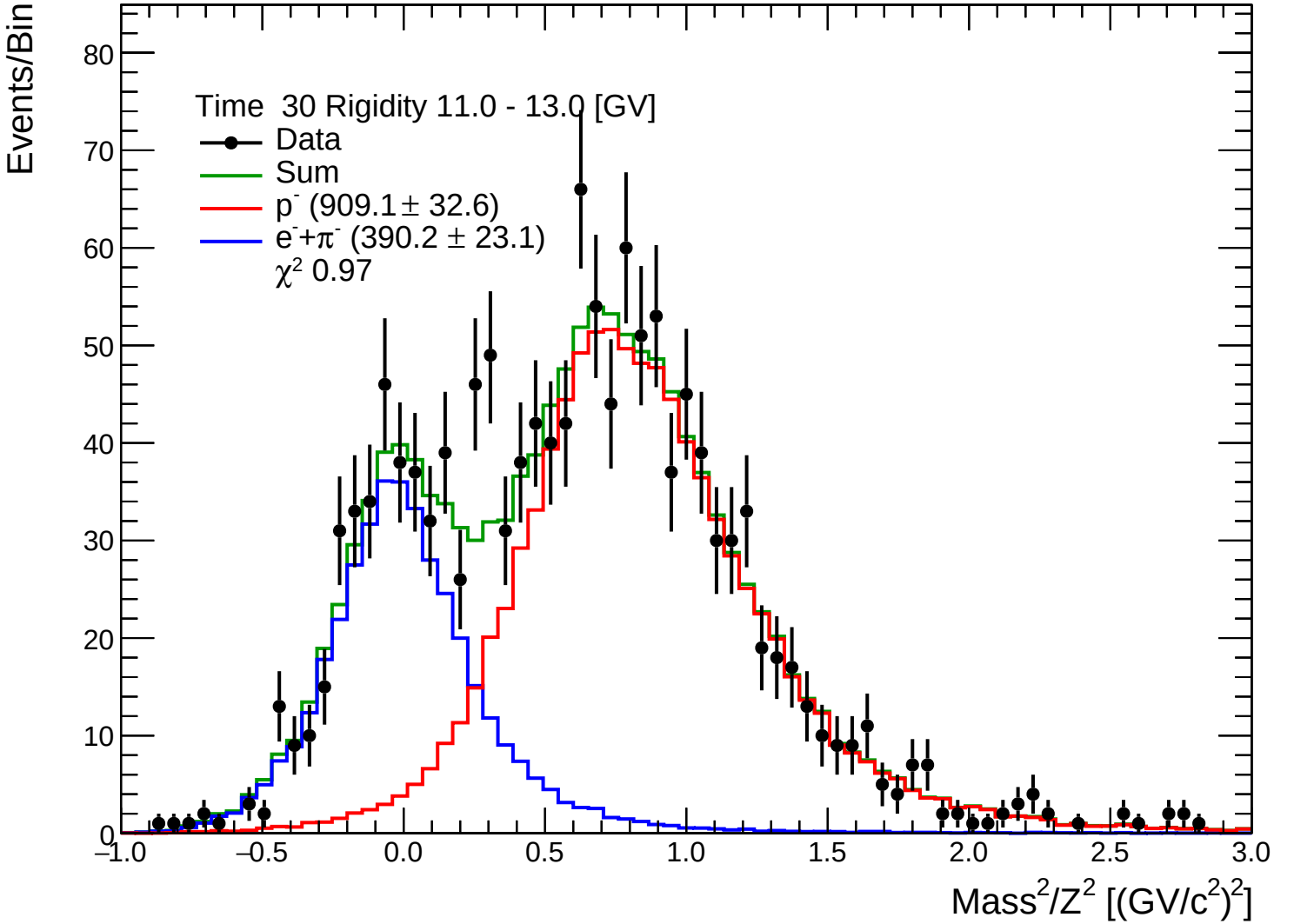

Events/Bin
400
350
300
250
200
150
100
50
0
1069
1070
1071
1072
1073
1074
1075
1076
Number [Temp 0]

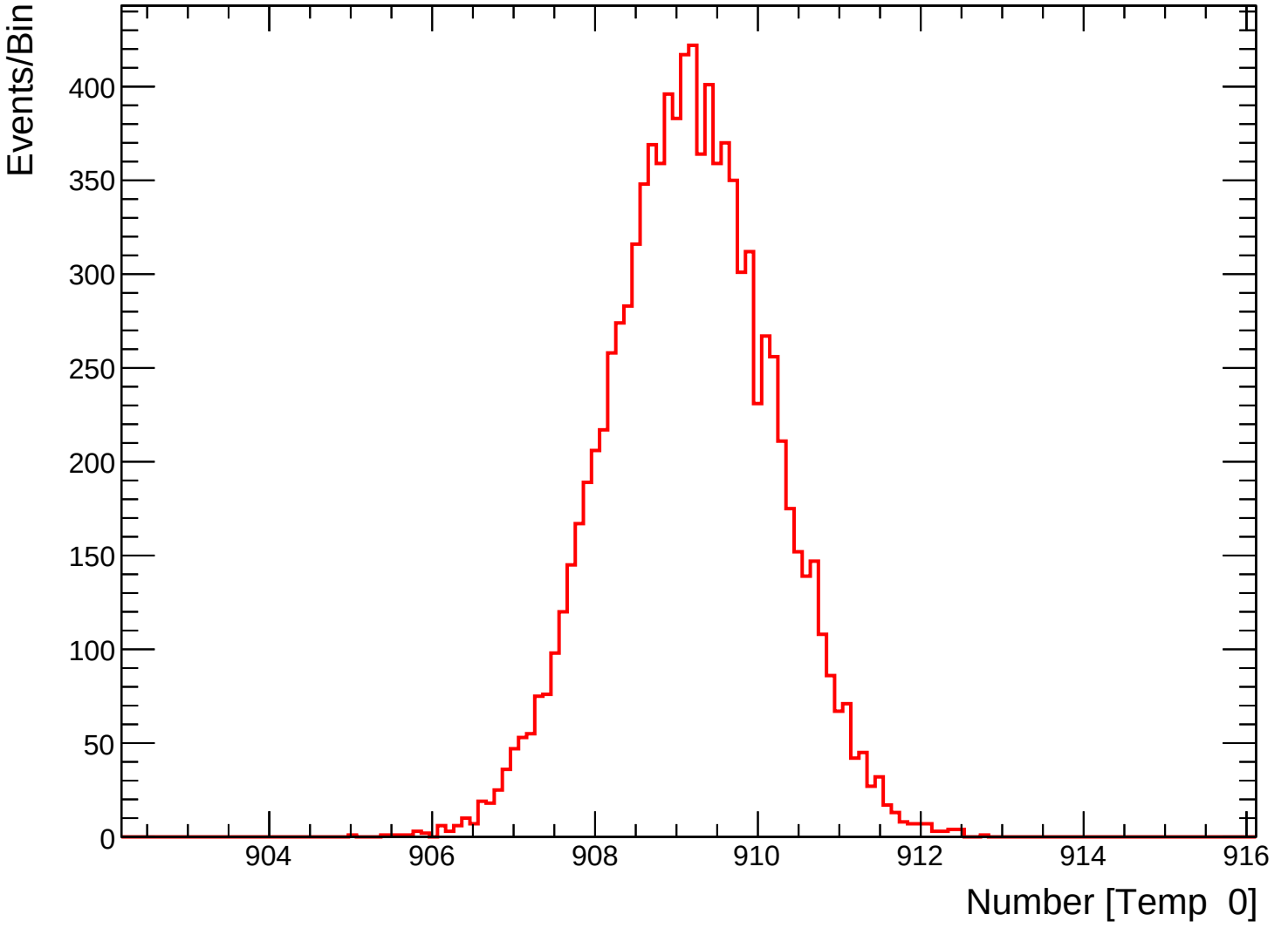

Time 30 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1063.0 ± 33.4)
e⁻+π⁻ (278.5 ± 18.0)
χ² 1.22
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

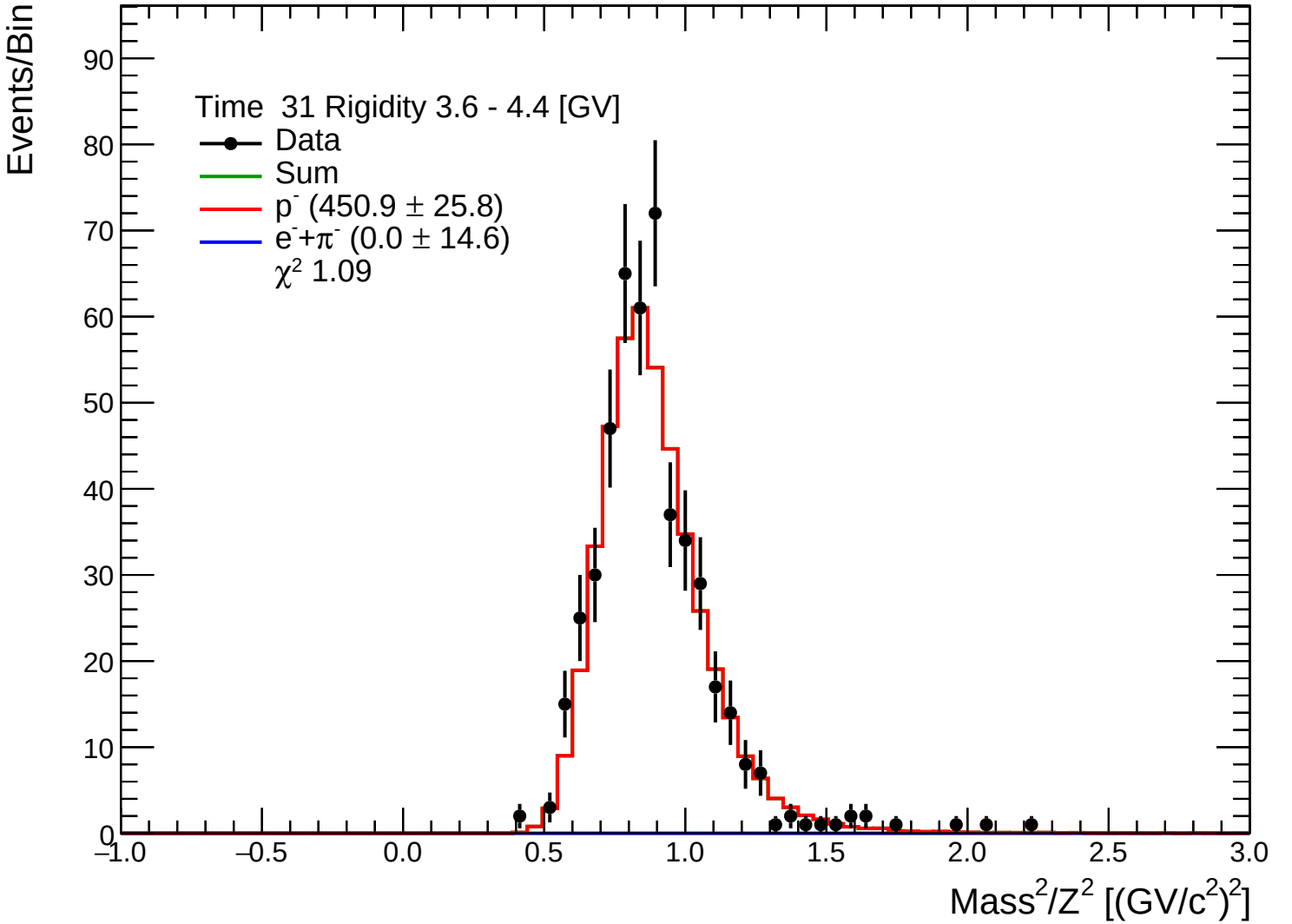

Events/Bin
400
350
300
250
200
150
100
50
0
1059
1060
1061
1062
1063
1064
1065
1066
1067
Number [Temp 0]

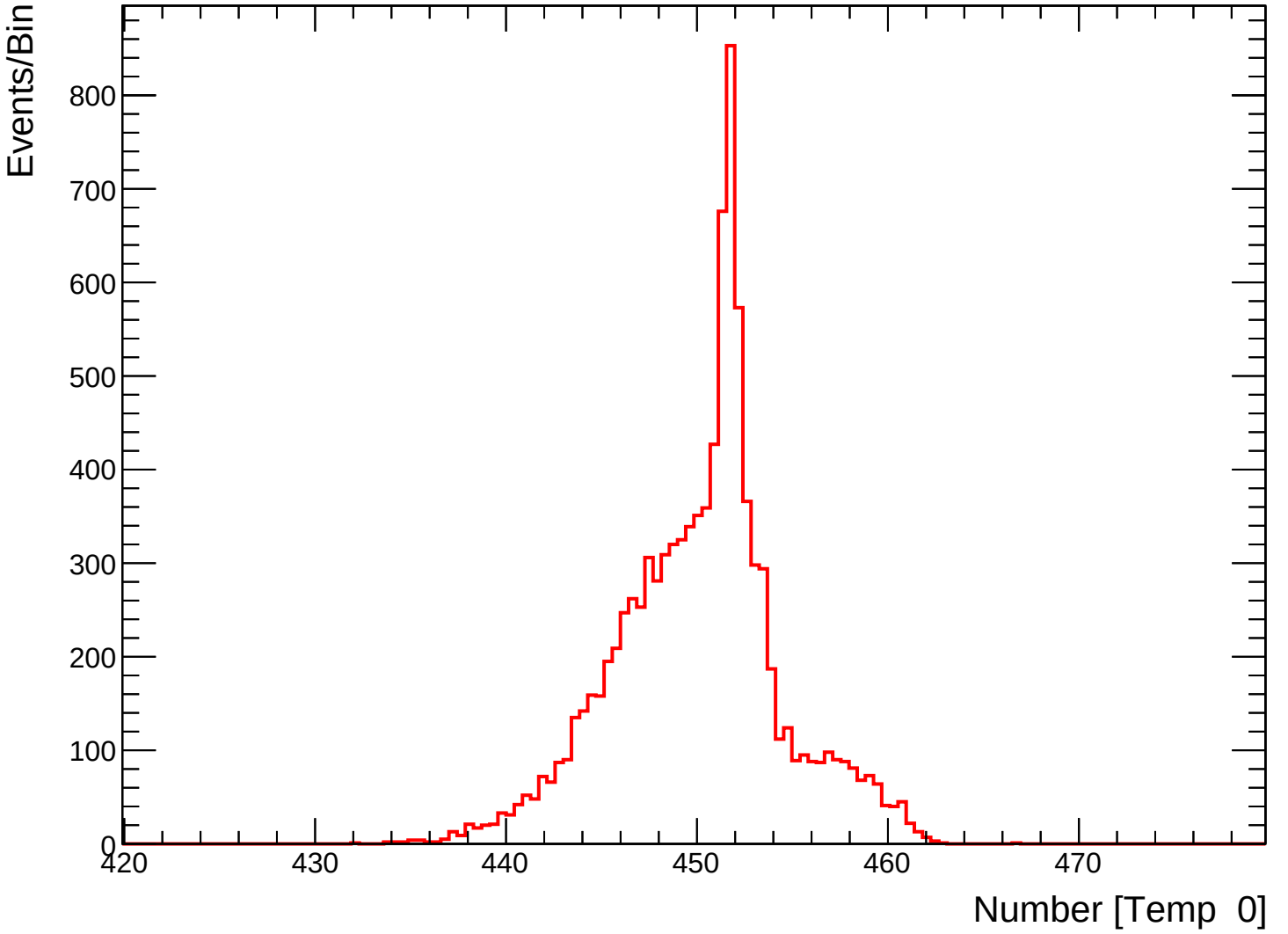

Time 30 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (988.1 ± 32.7)
e⁻+π⁻ (458.6 ± 23.1)
χ² 0.87
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

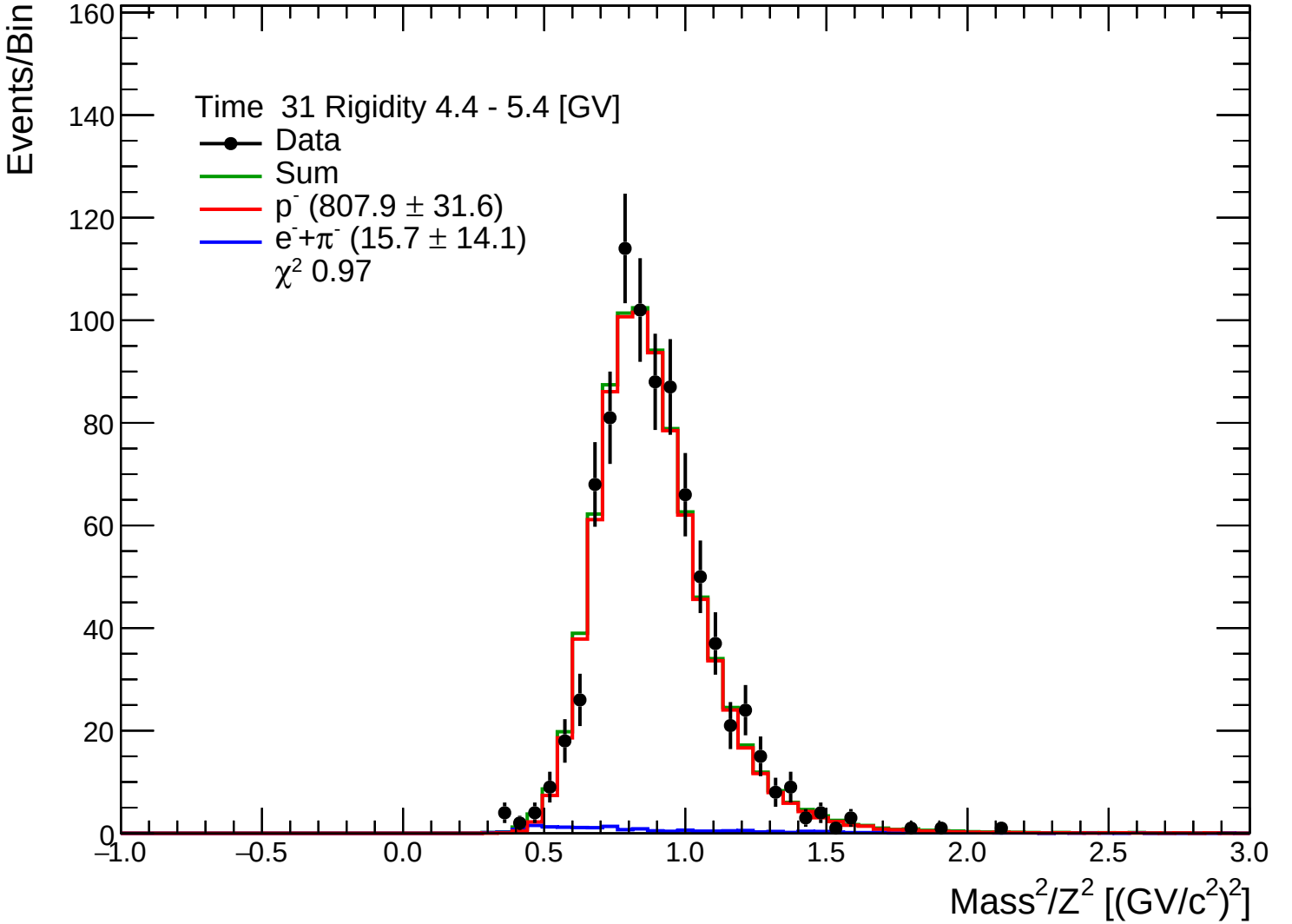

Events/Bin
400
350
300
250
200
150
100
50
0
984
986
988
990
992
Number [Temp 0]

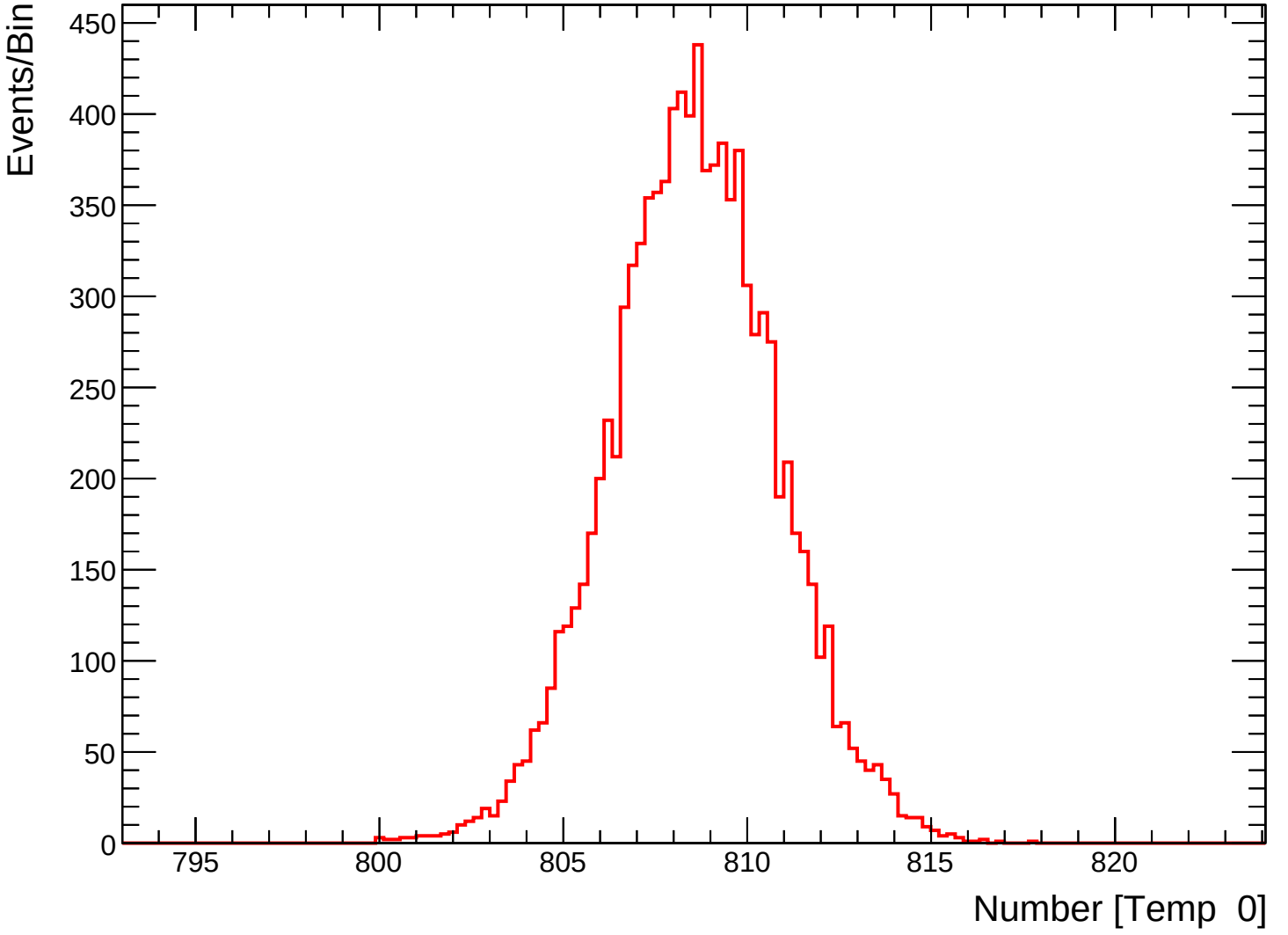

Time 30 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (909.1 ± 32.6)
e⁻+π⁻ (390.2 ± 23.1)
χ² 0.97
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

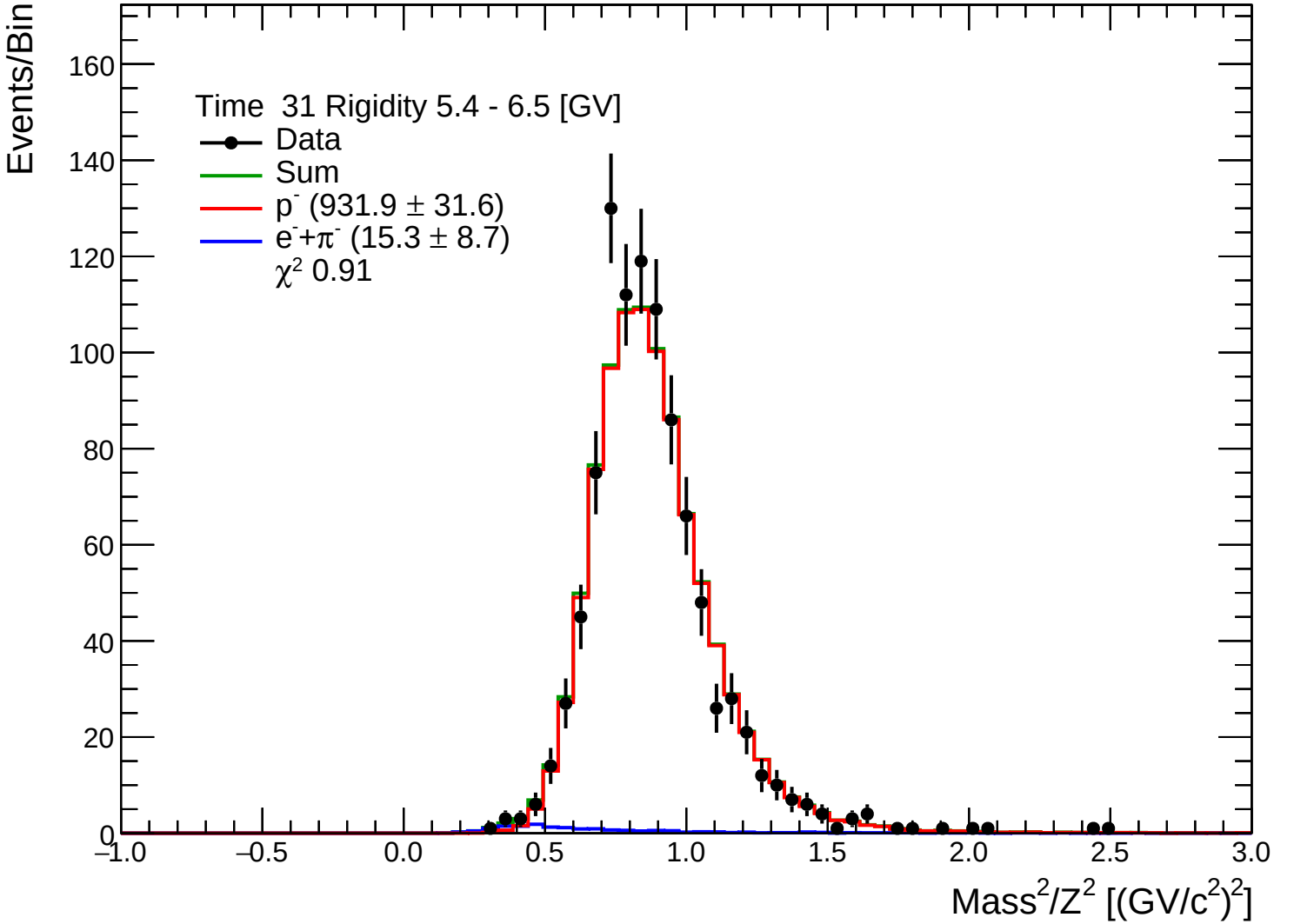

Events/Bin
400
350
300
250
200
150
100
50
0
904
906
908
910
912
914
916
Number [Temp 0]

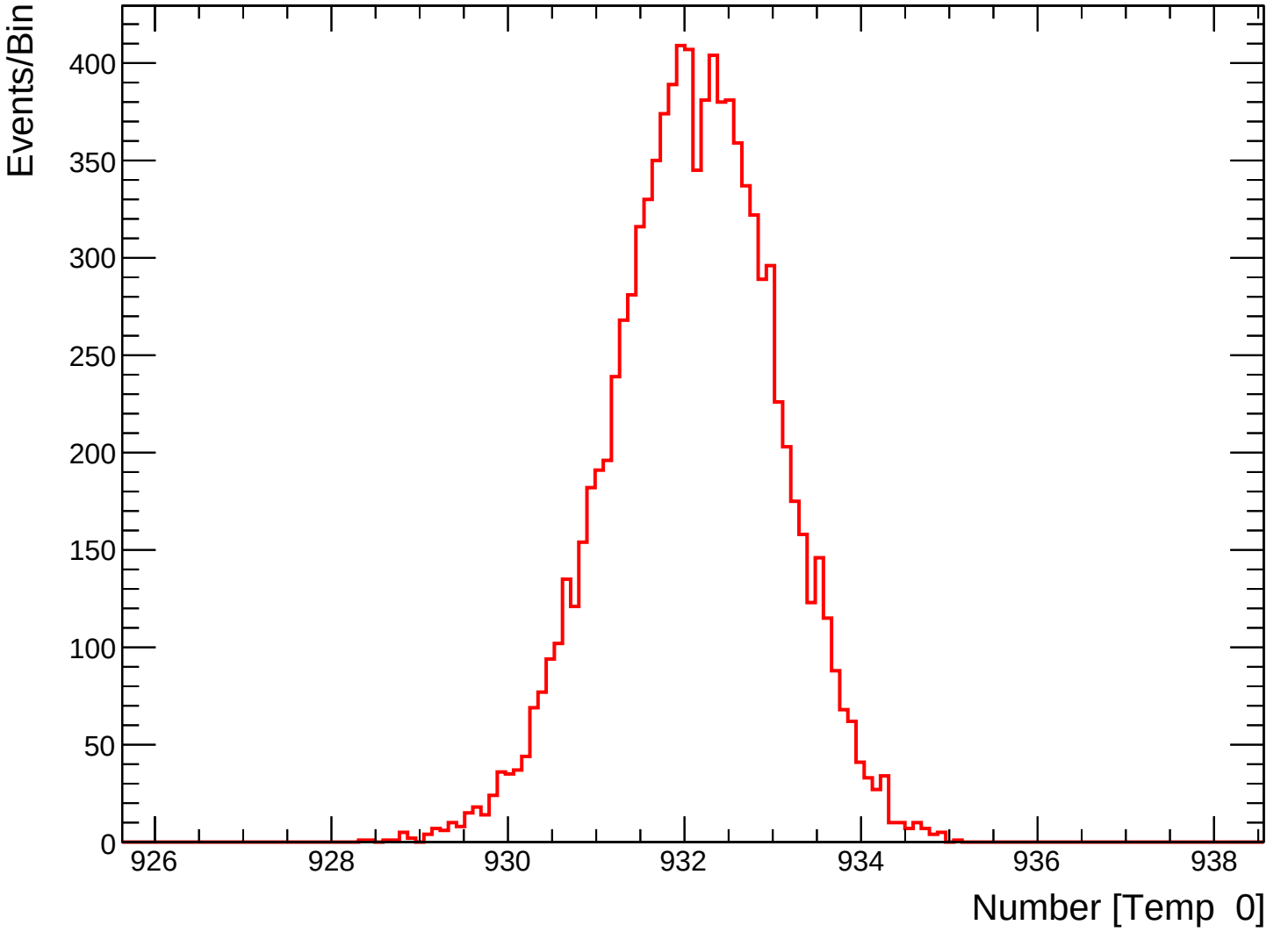

Time 31 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (450.9 ± 25.8)
e⁻+π⁻ (0.0 ± 14.6)
χ² 1.09
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

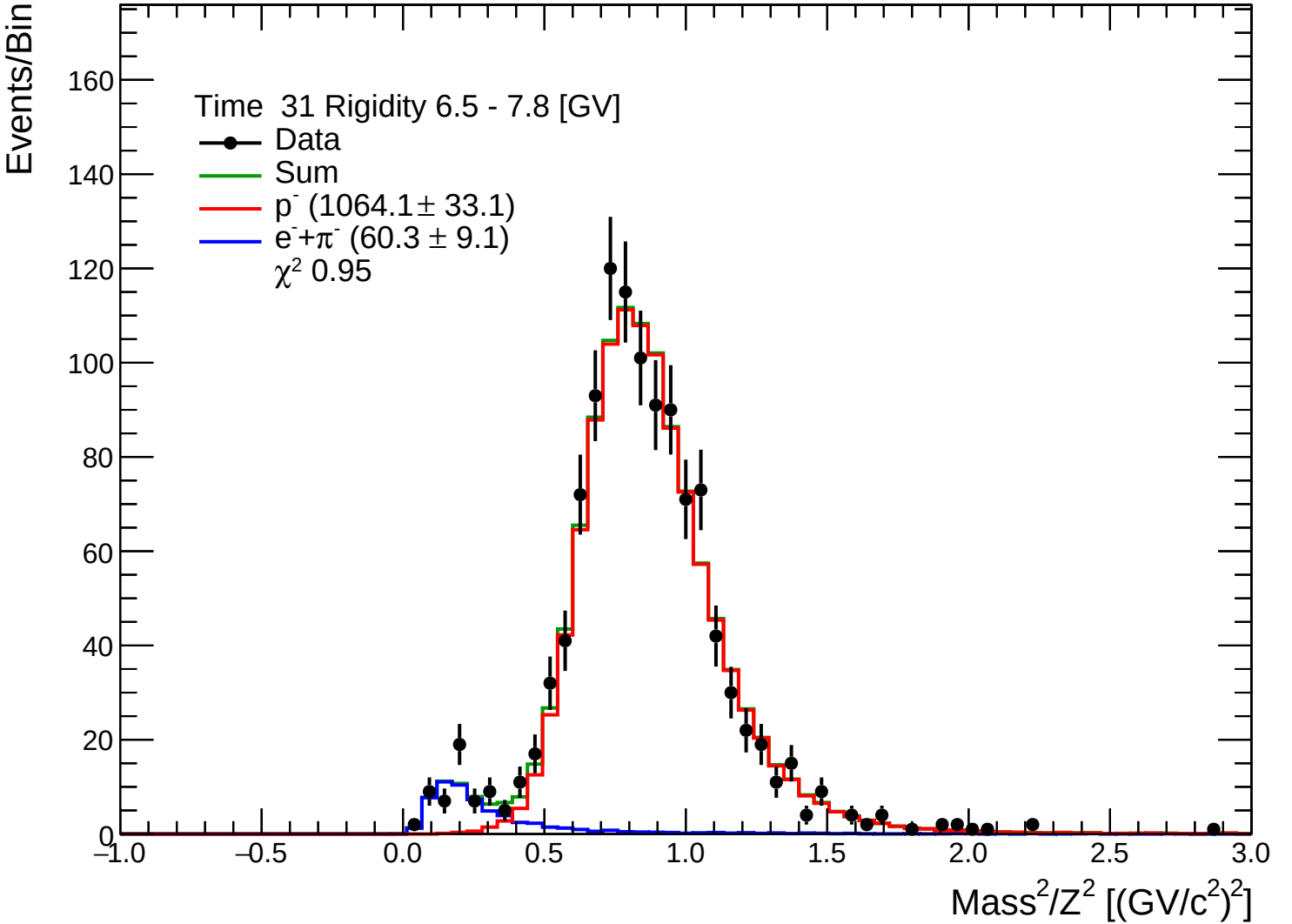

Events/Bin
800
700
600
500
400
300
200
100
0
420
430
440
450
460
470
Number [Temp 0]

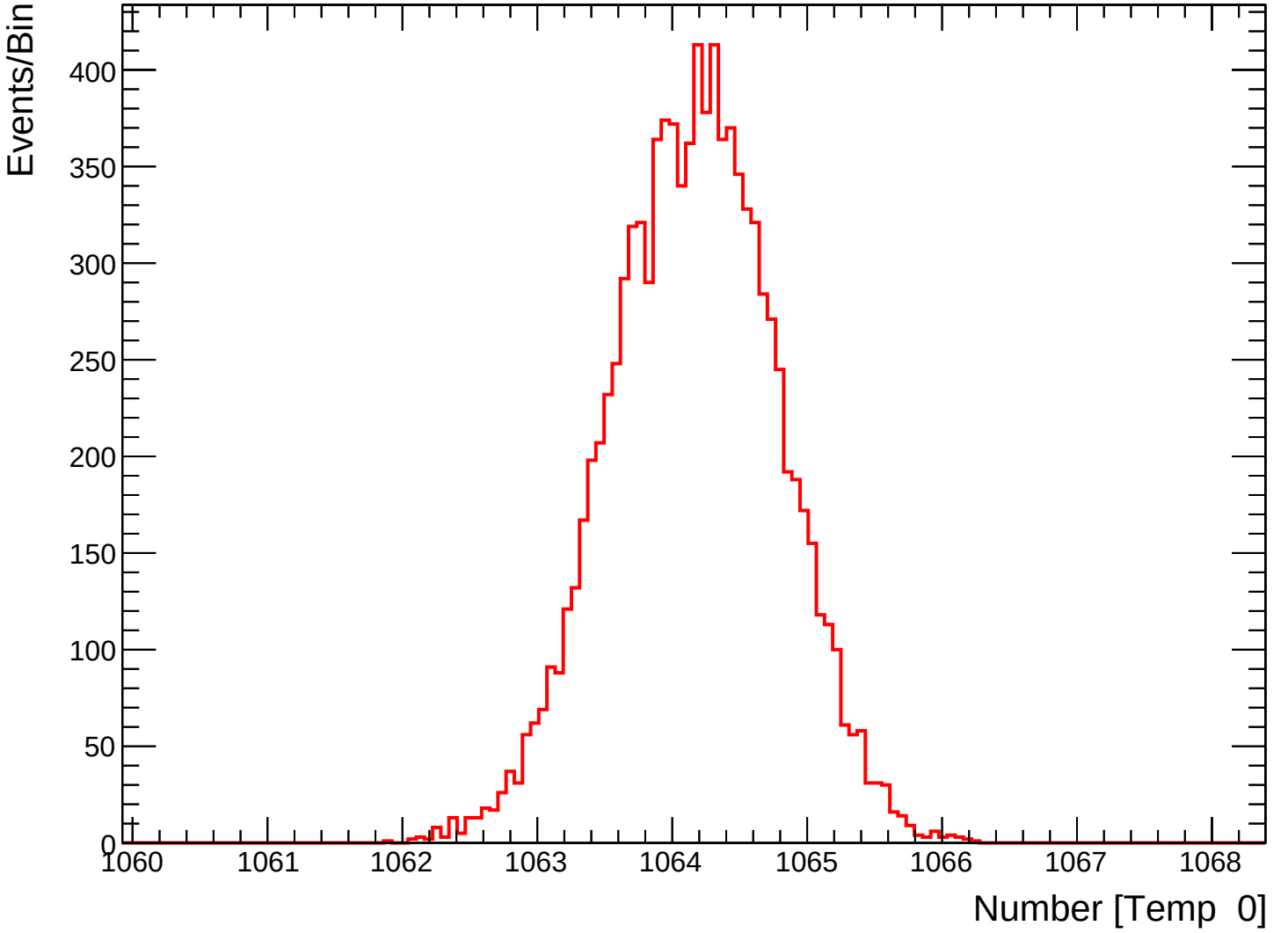

Time 31 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (807.9 ± 31.6)
e⁻+π⁻ (15.7 ± 14.1)
χ² 0.97
Events/Bin
Mass²/Z² [(GV/c²)²]
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

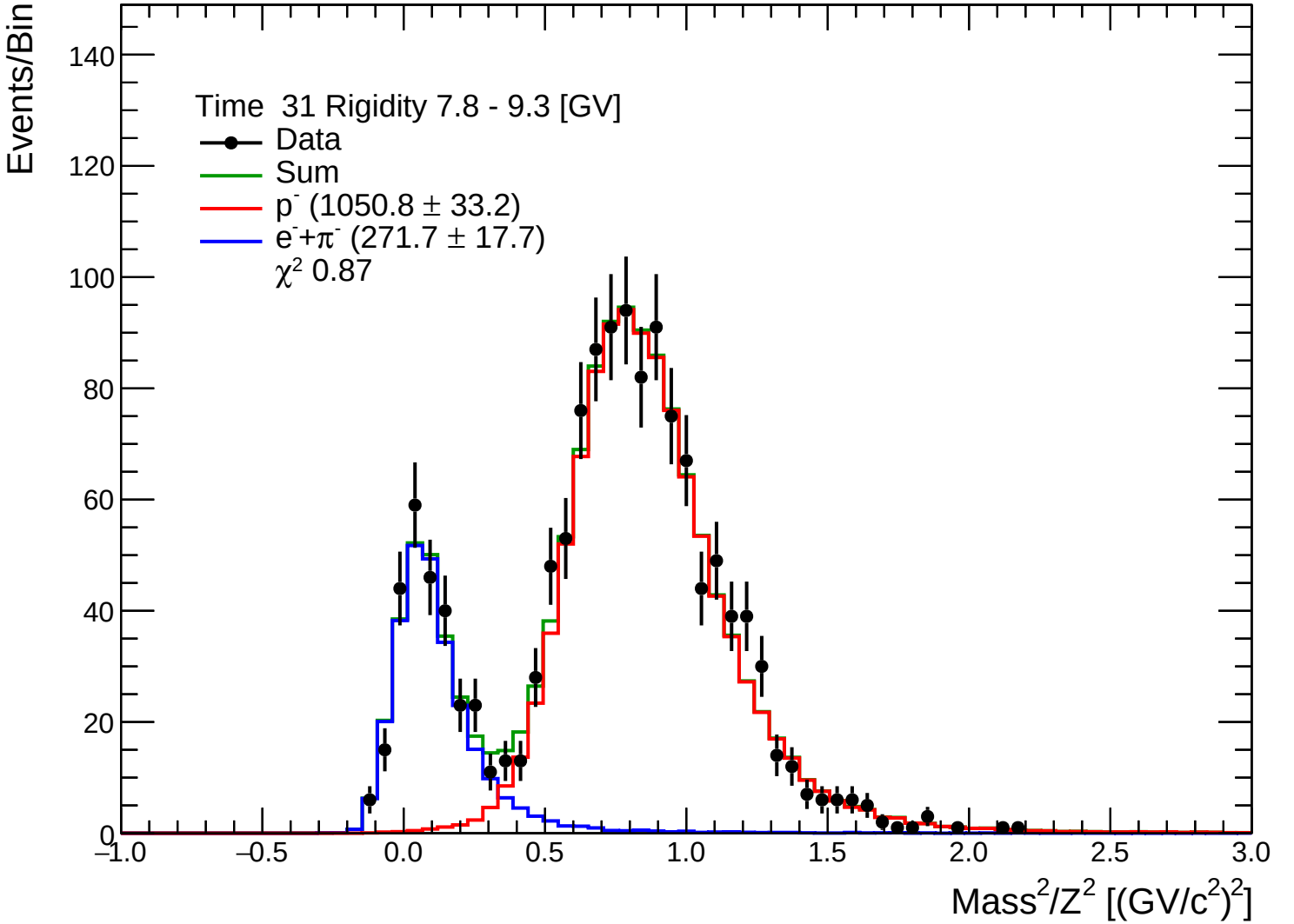

Events/Bin
450
400
350
300
250
200
150
100
50
0
795
800
805
810
815
820
Number [Temp 0]

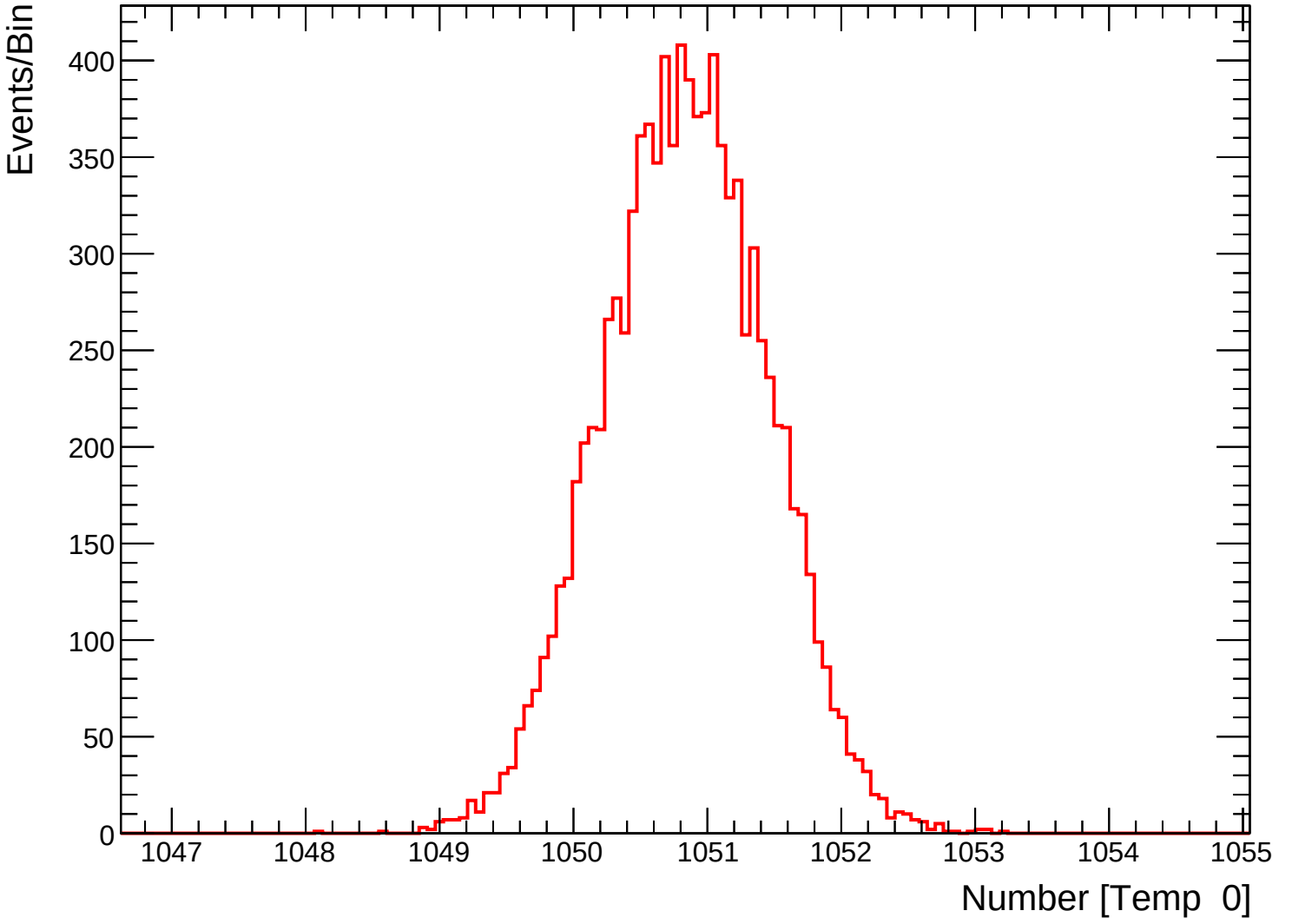

Time 31 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (931.9 ± 31.6)
e⁻+π⁻ (15.3 ± 8.7)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

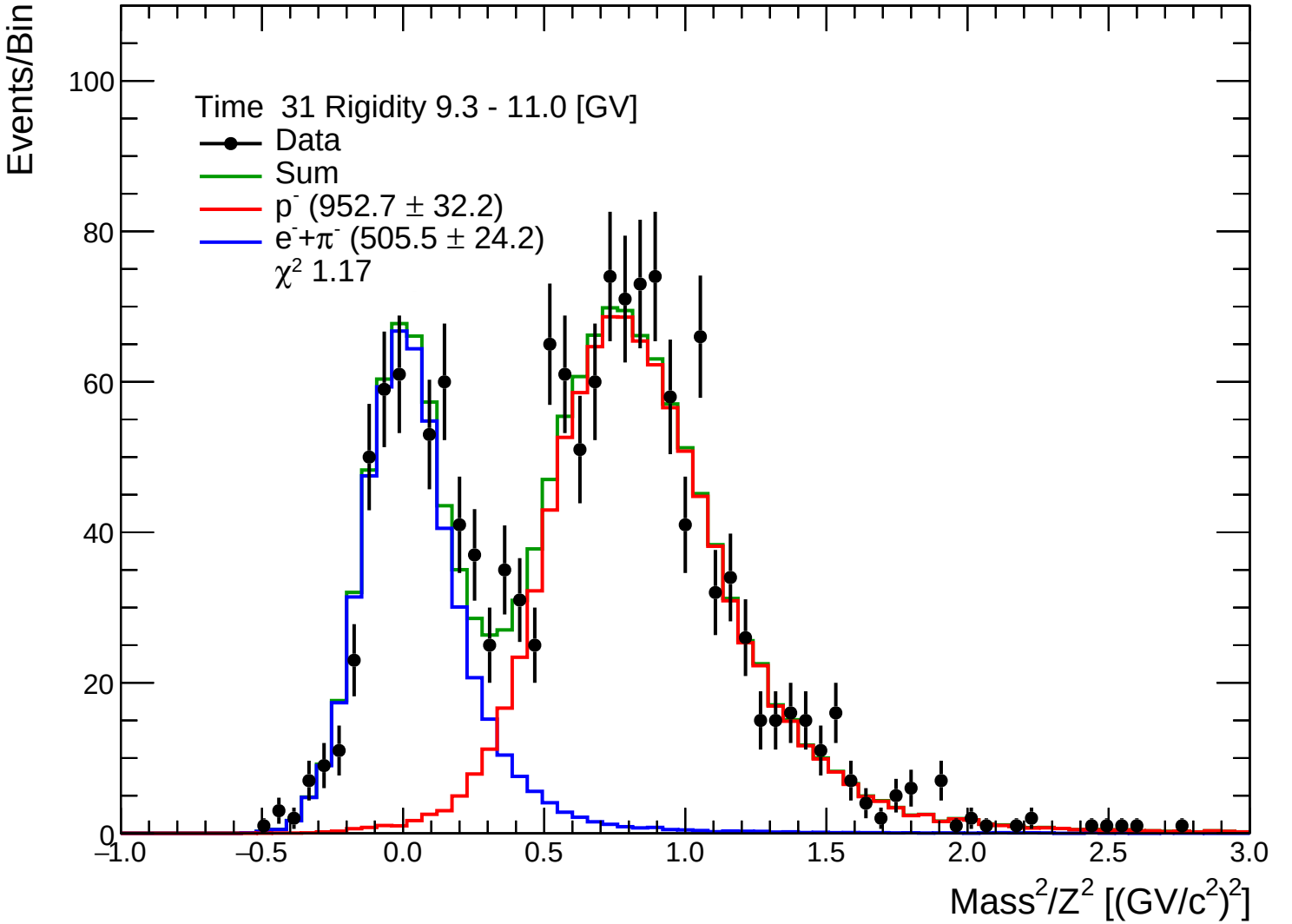

Events/Bin
400
350
300
250
200
150
100
50
0
926
928
930
932
934
936
938
Number [Temp 0]

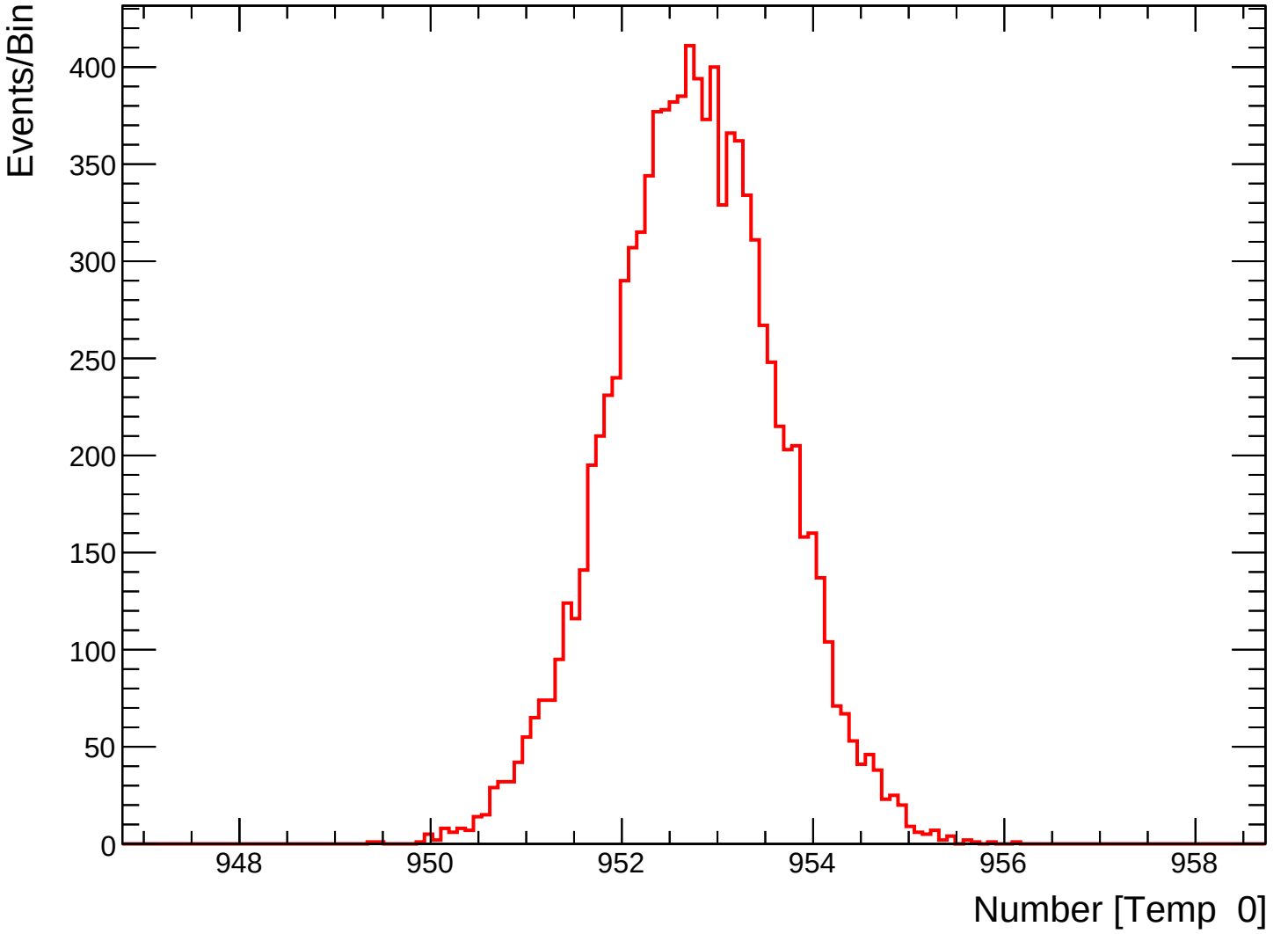

Time 31 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1064.1 ± 33.1)
e⁻+π⁻ (60.3 ± 9.1)
χ² 0.95
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

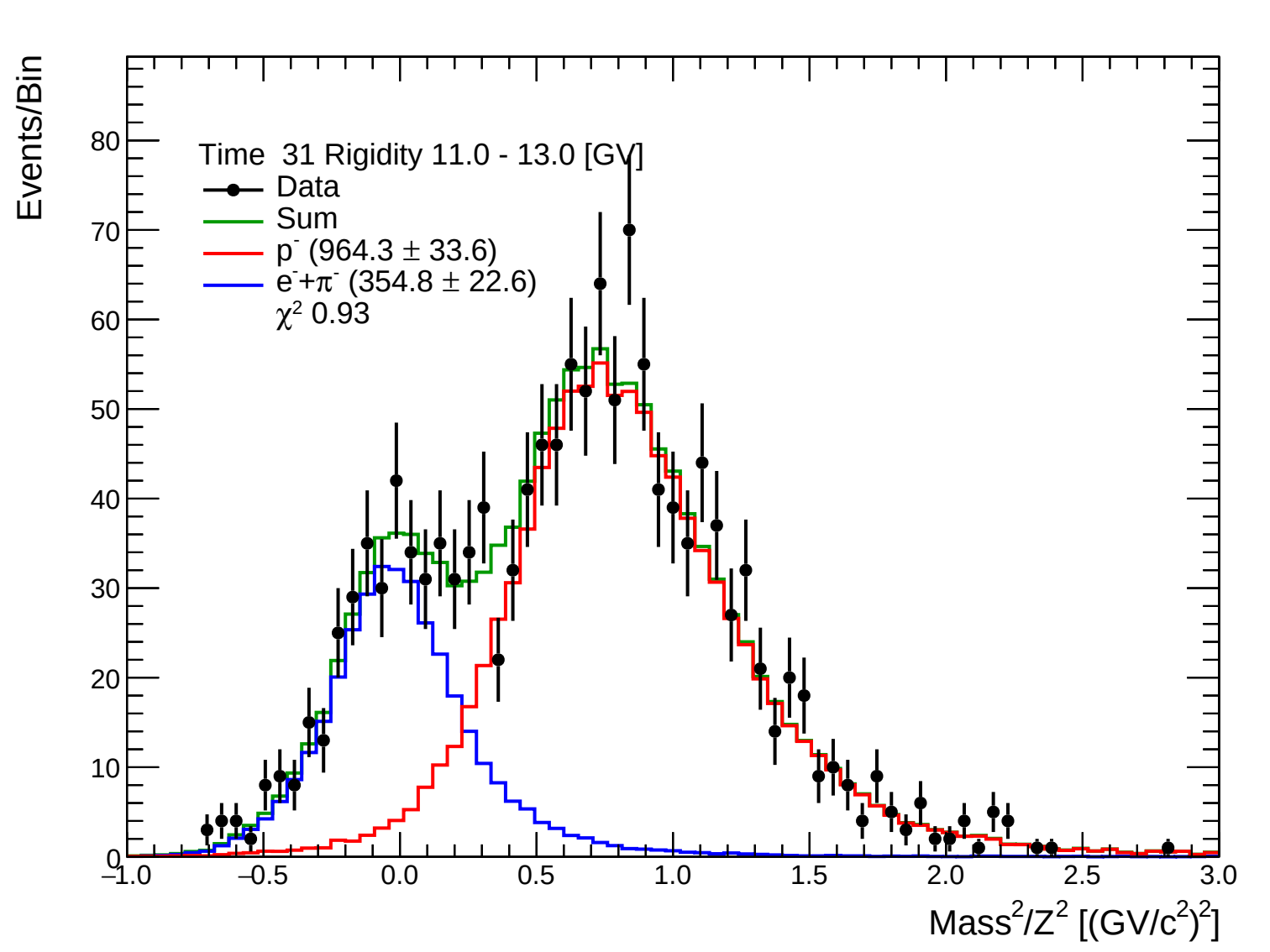

Events/Bin
400
350
300
250
200
150
100
50
0
1060
1061
1062
1063
1064
1065
1066
1067
1068
Number [Temp 0]

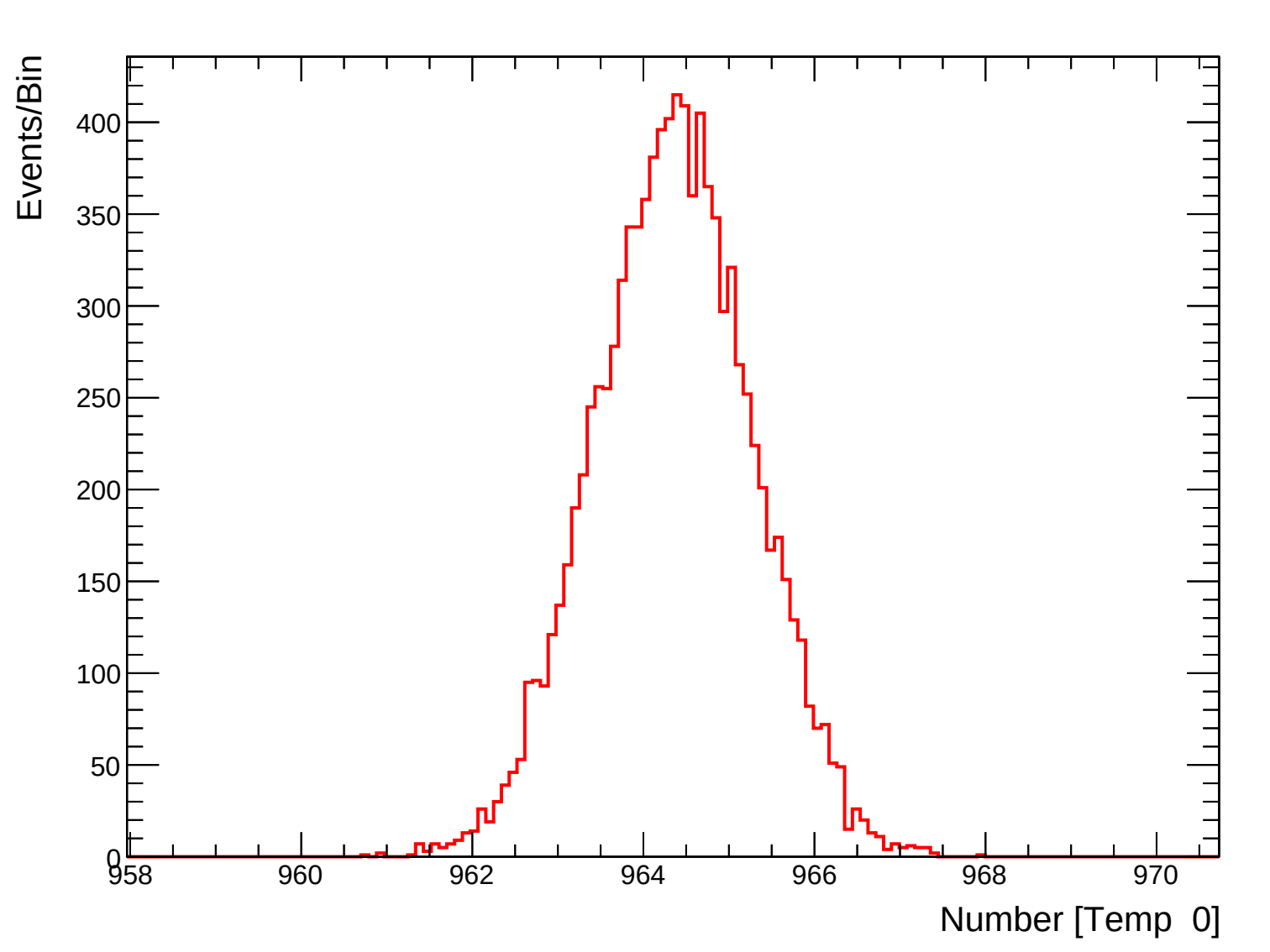

Time 31 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1050.8 ± 33.2)
e⁻+π⁻ (271.7 ± 17.7)
χ² 0.87
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

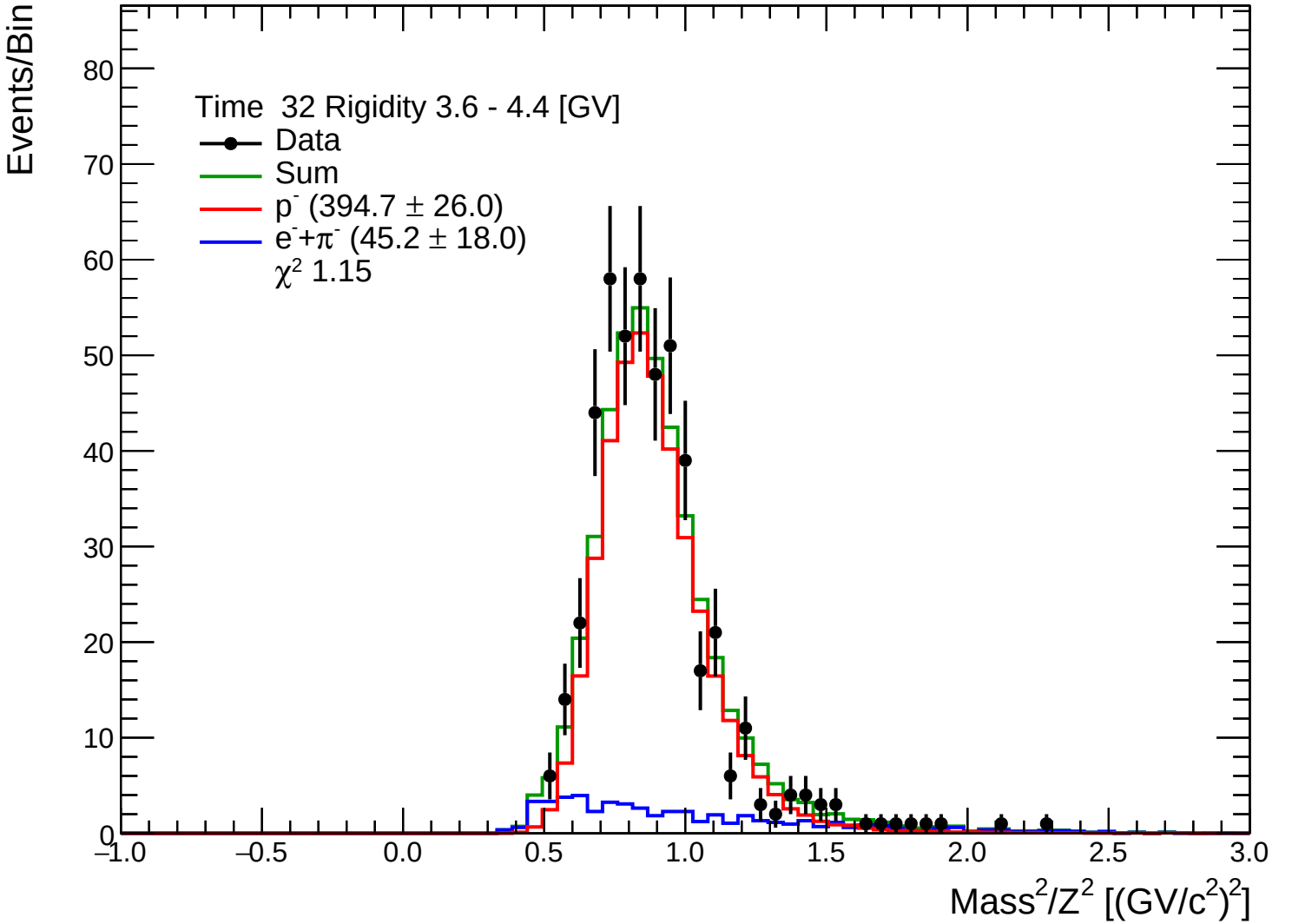

Events/Bin
400
350
300
250
200
150
100
50
0
1047
1048
1049
1050
1051
1052
1053
1054
1055
Number [Temp 0]

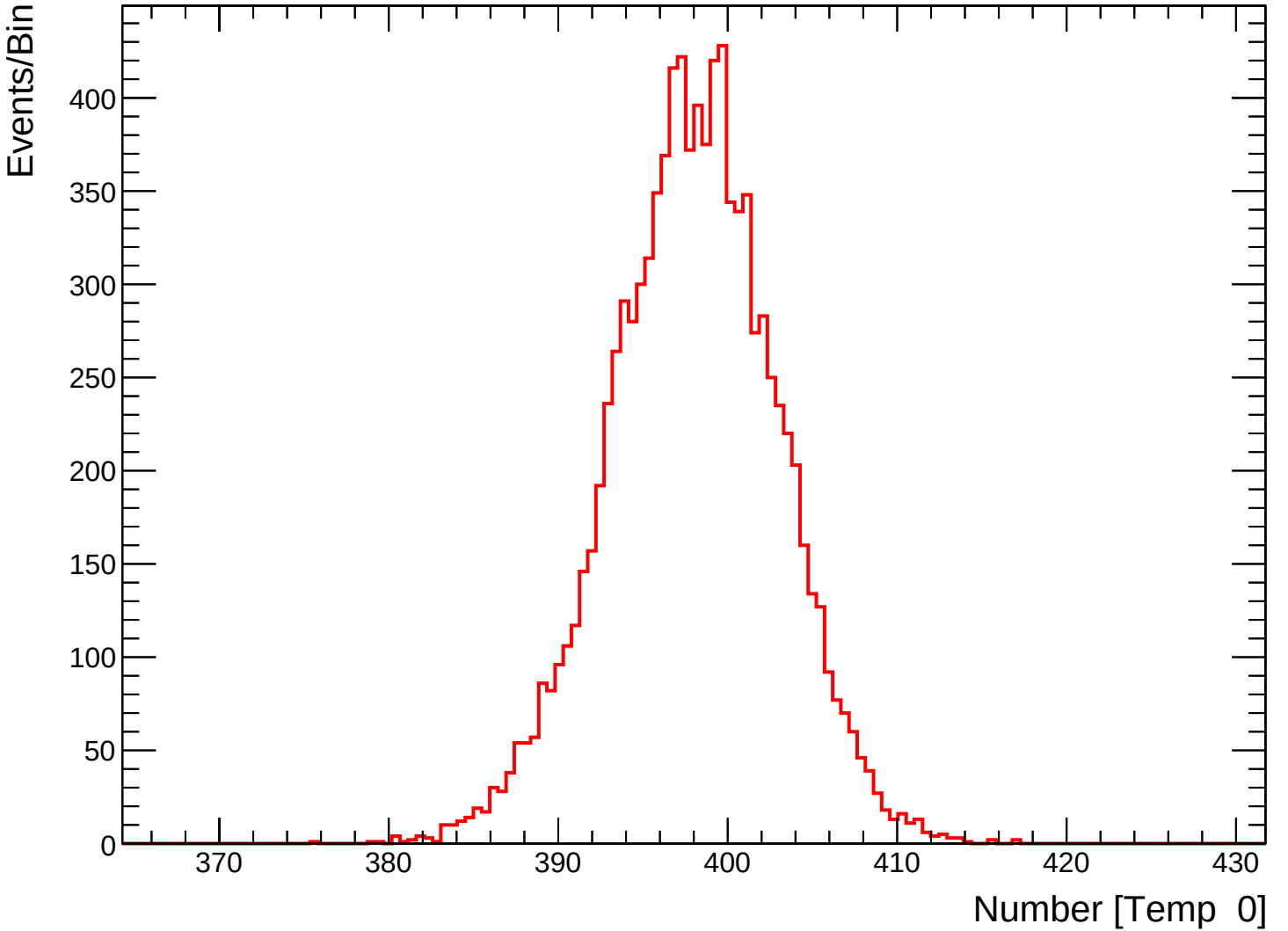

Events/Bin
Time 31 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (952.7 ± 32.2)
e⁻+π⁻ (505.5 ± 24.2)
χ² 1.17
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Mass²/Z² [(GV/c²)²]

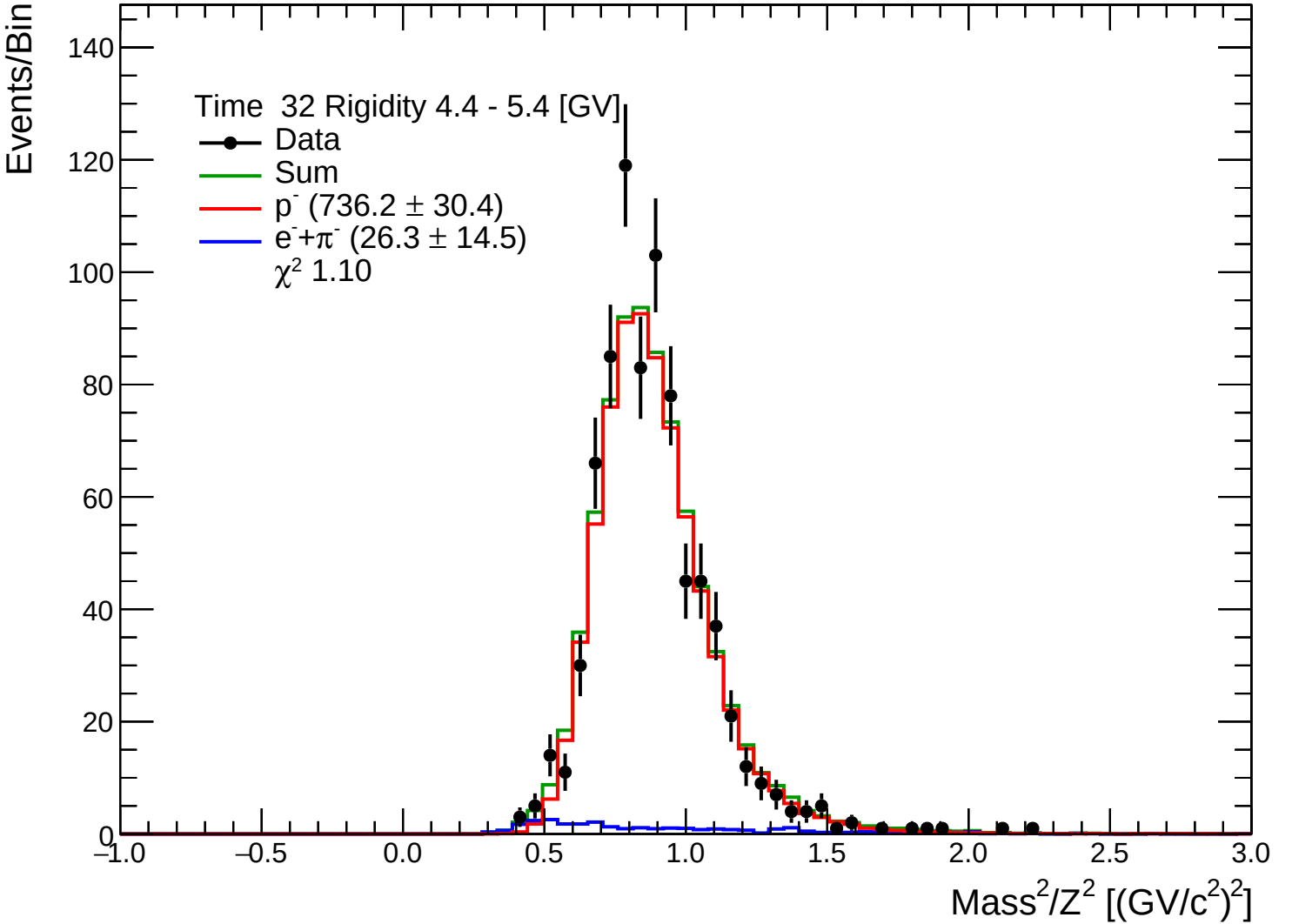

Events/Bin
400
350
300
250
200
150
100
50
0
948
950
952
954
956
958
Number [Temp 0]

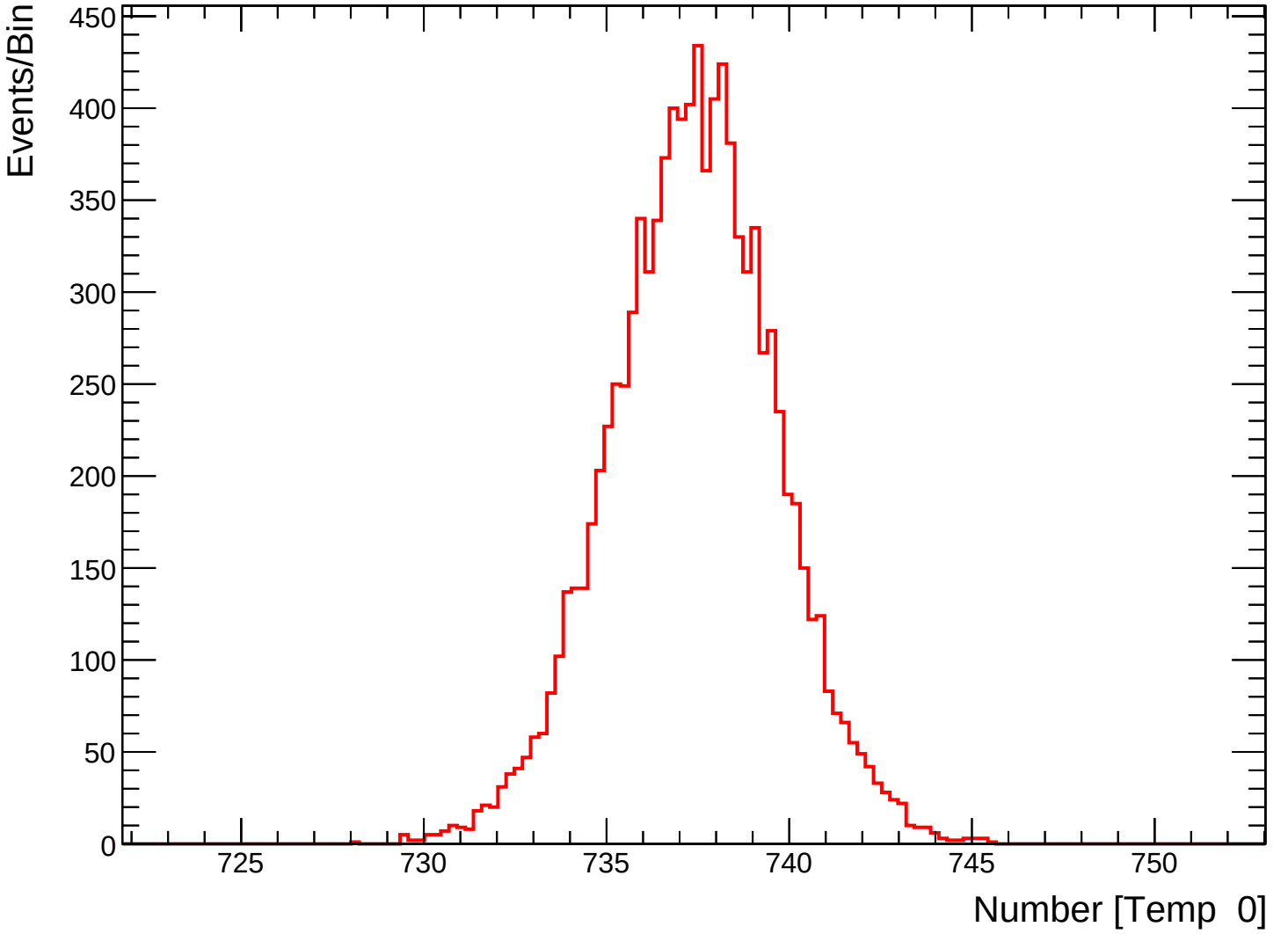

Time 31 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (964.3 ± 33.6)
e⁻+π⁻ (354.8 ± 22.6)
χ² 0.93
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

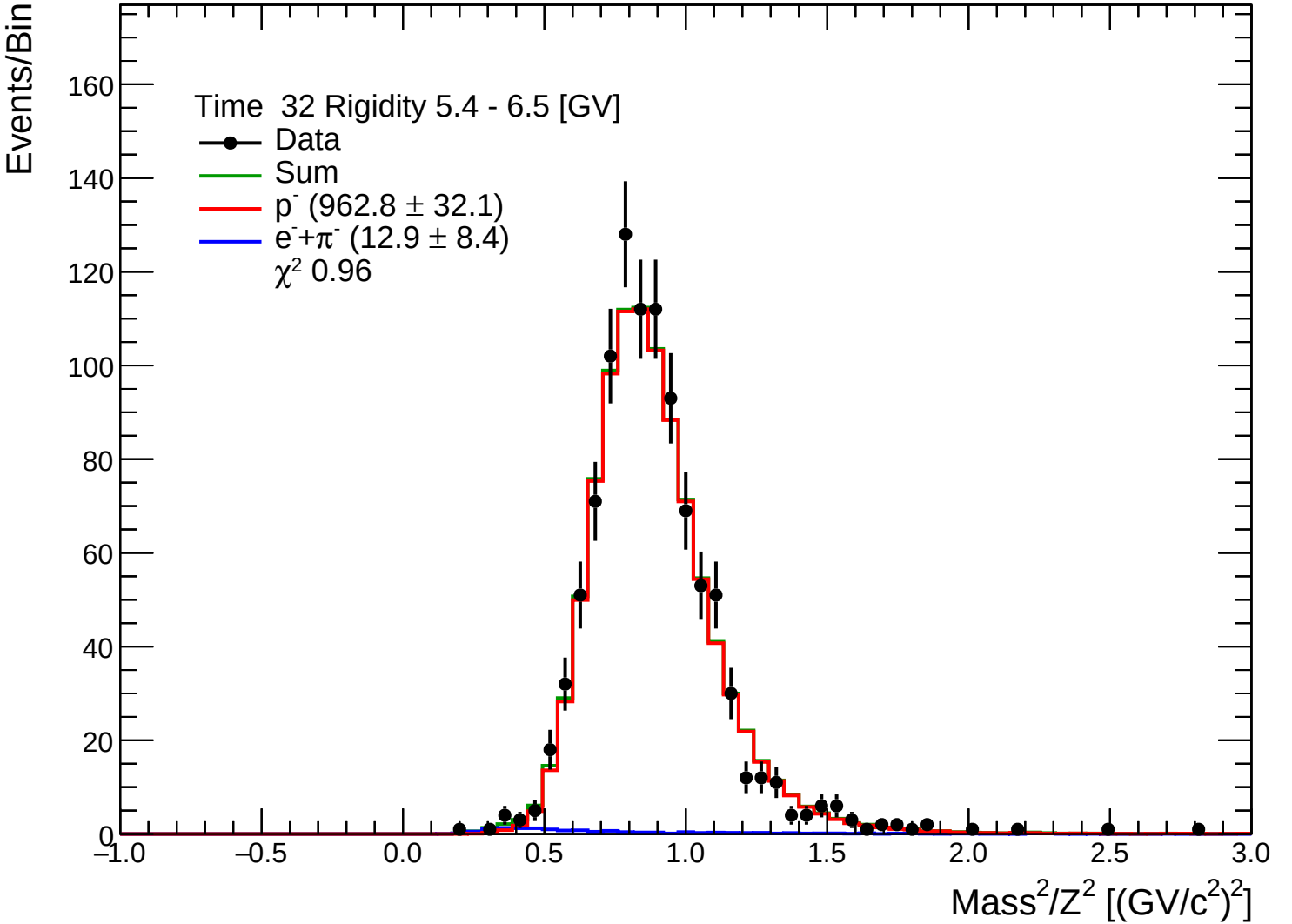

Events/Bin
400
350
300
250
200
150
100
50
0
958
960
962
964
966
968
970
Number [Temp 0]

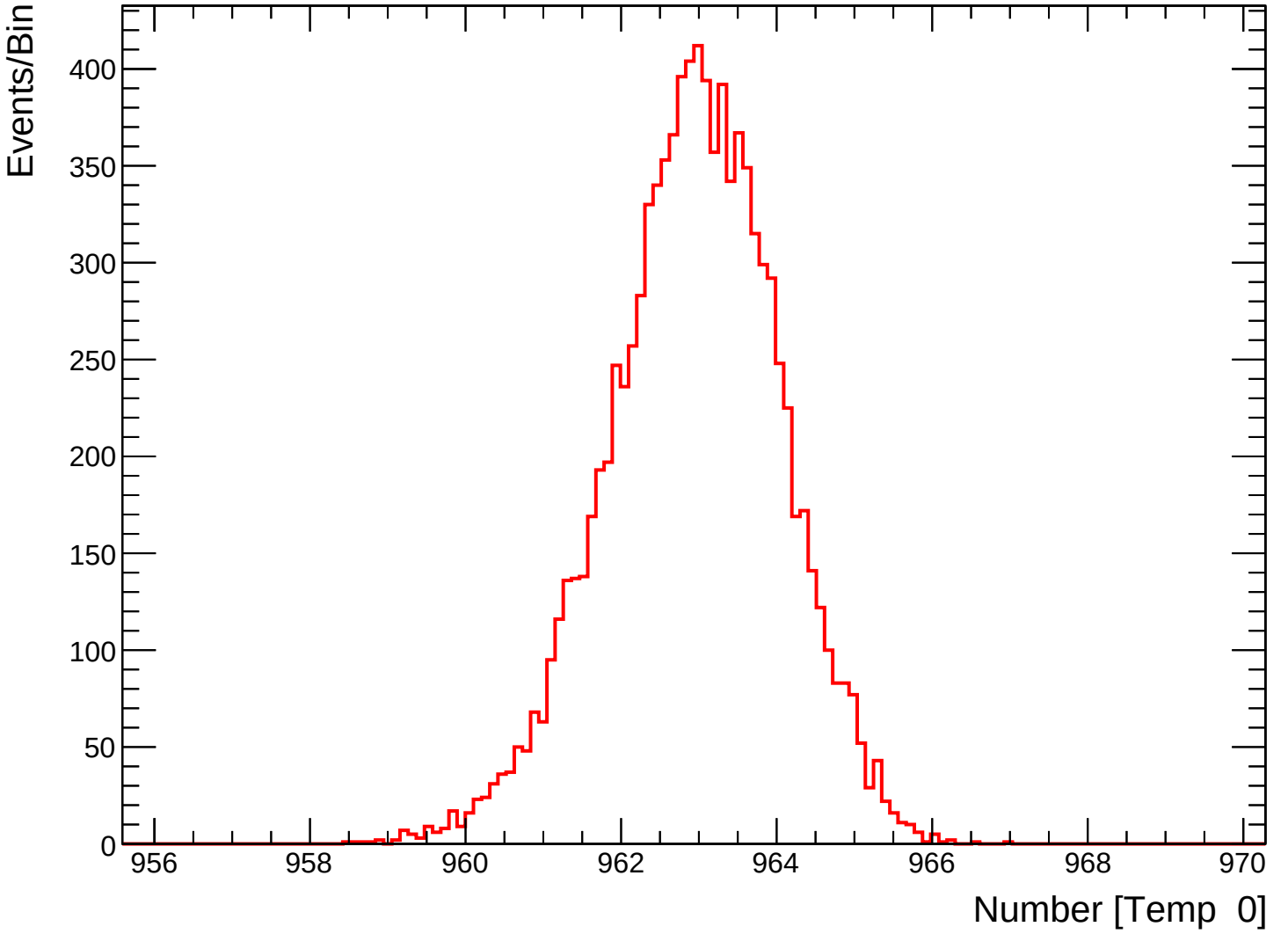

Time 32 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (394.7 ± 26.0)
e⁻+π⁻ (45.2 ± 18.0)
χ² 1.15
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

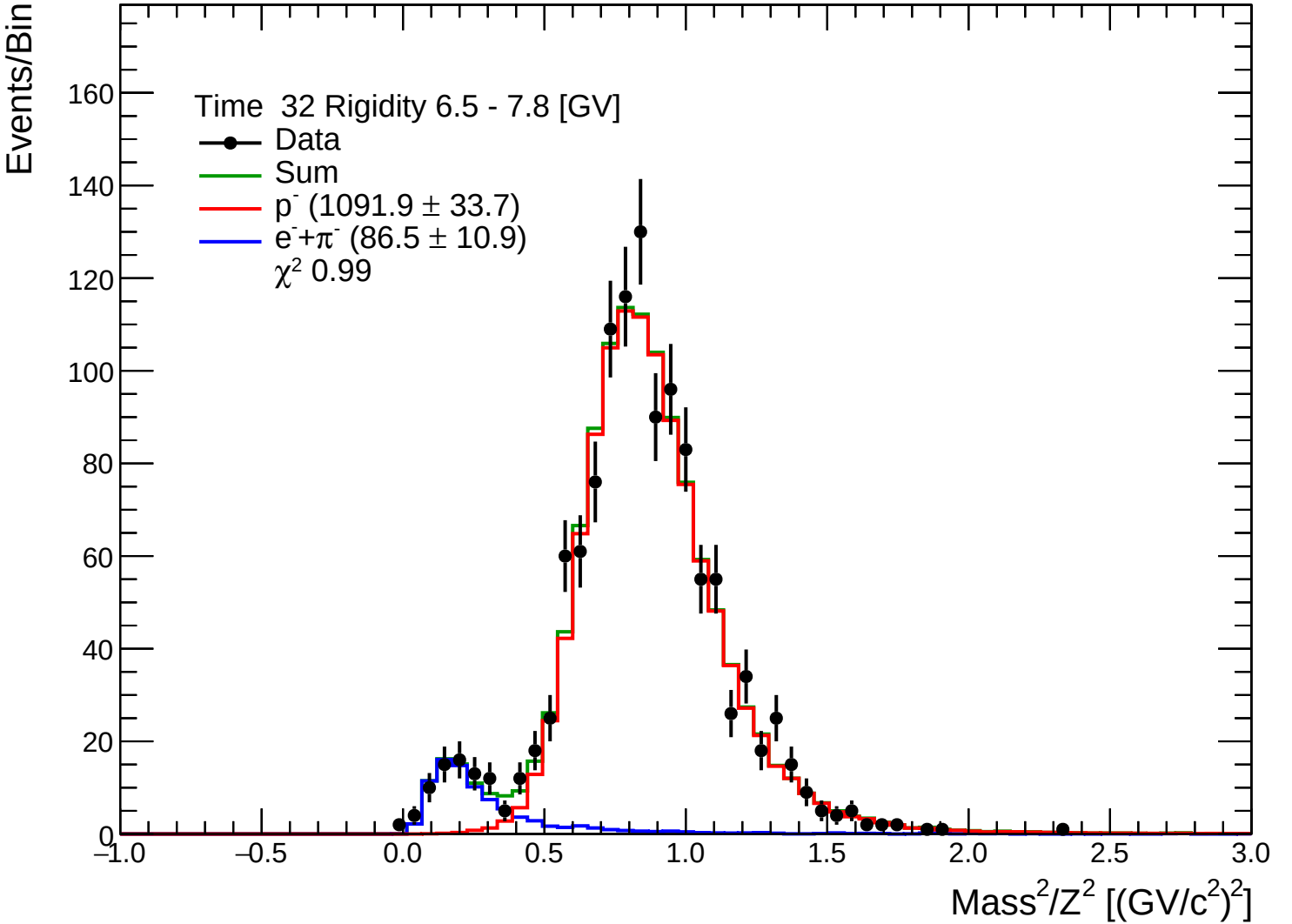

Events/Bin
400
350
300
250
200
150
100
50
0
370
380
390
400
410
420
430
Number [Temp 0]

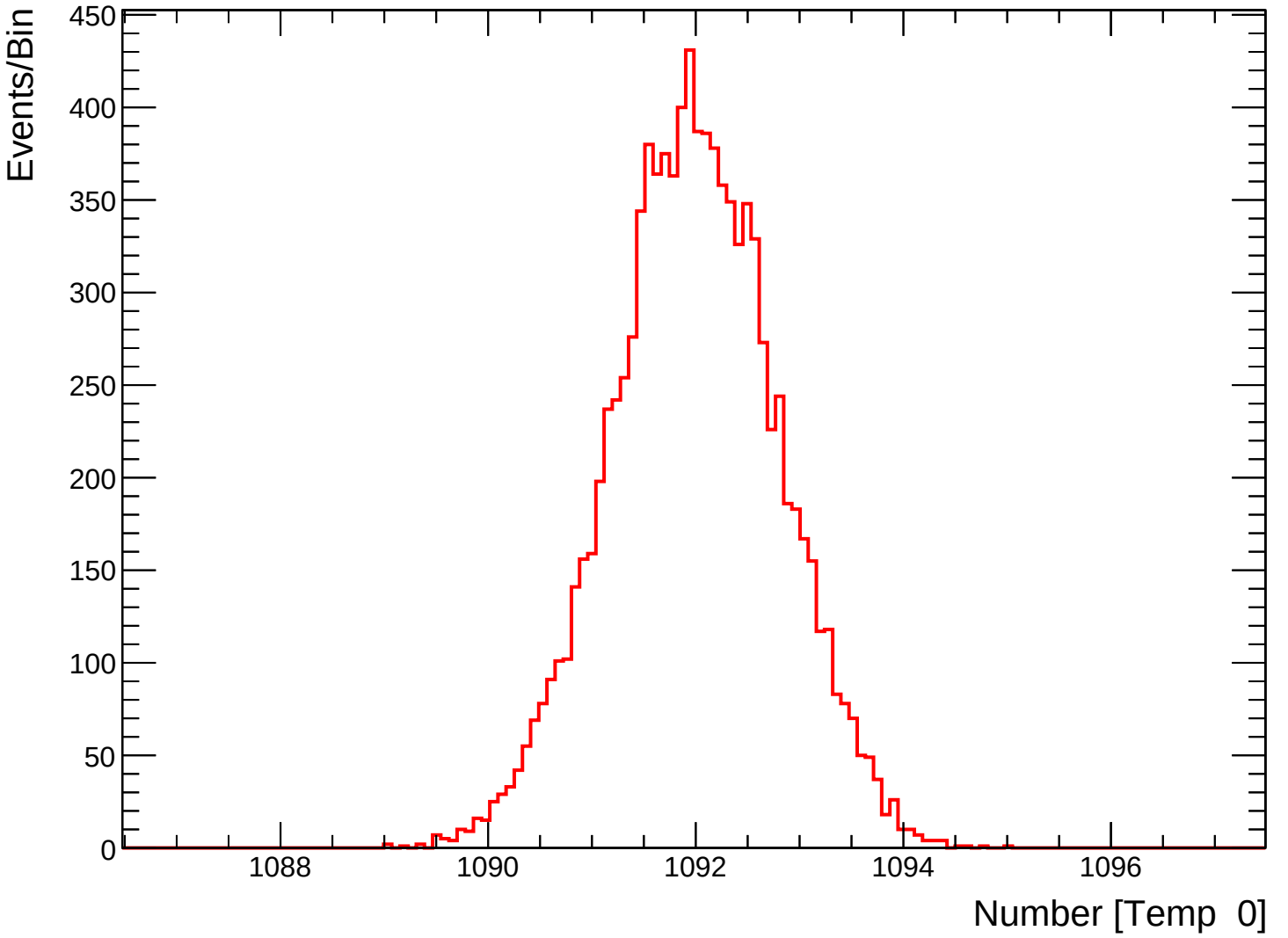

Time 32 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (736.2 ± 30.4)
e⁻+π⁻ (26.3 ± 14.5)
χ² 1.10
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

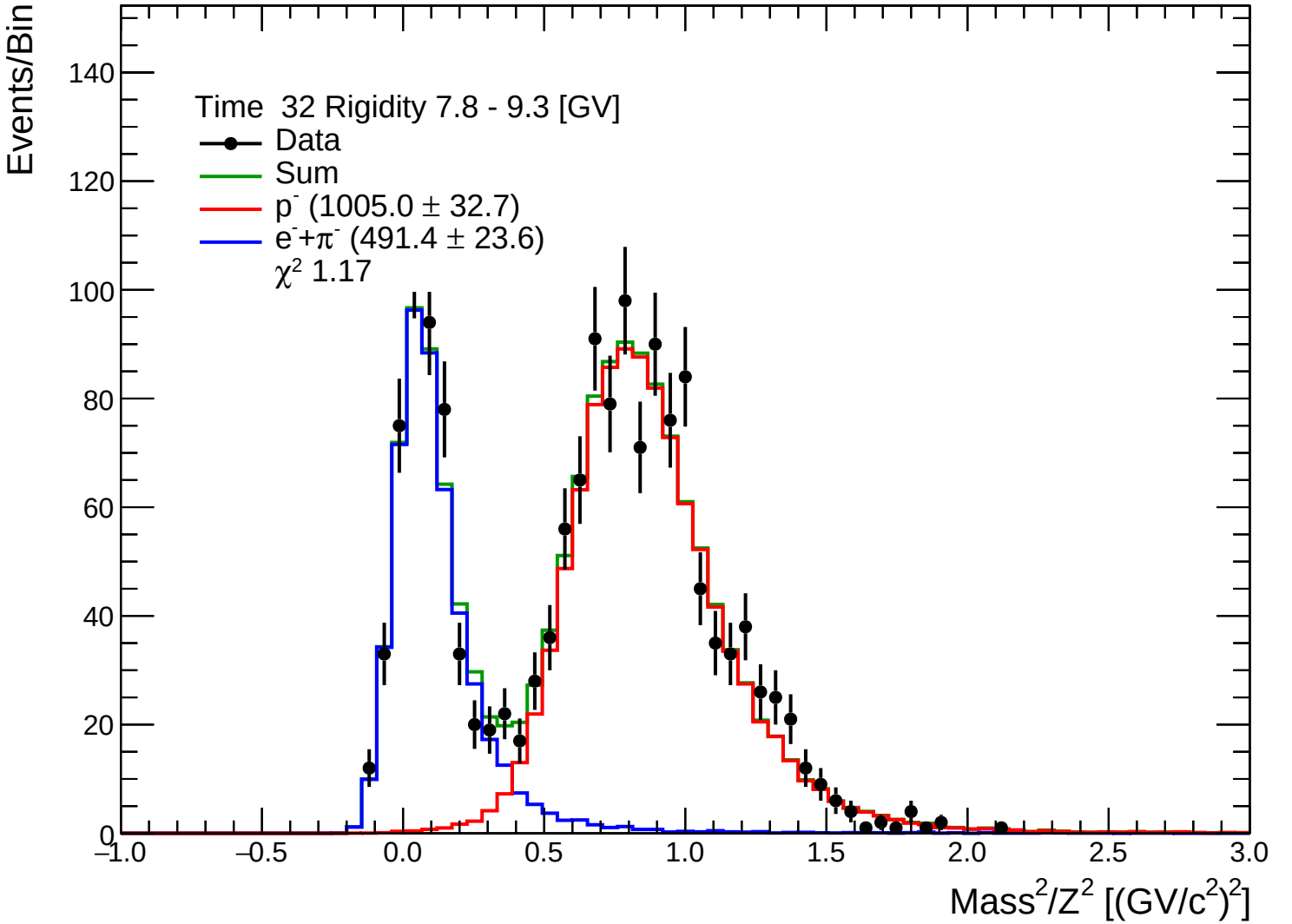

Events/Bin
450
400
350
300
250
200
150
100
50
0
725
730
735
740
745
750
Number [Temp 0]

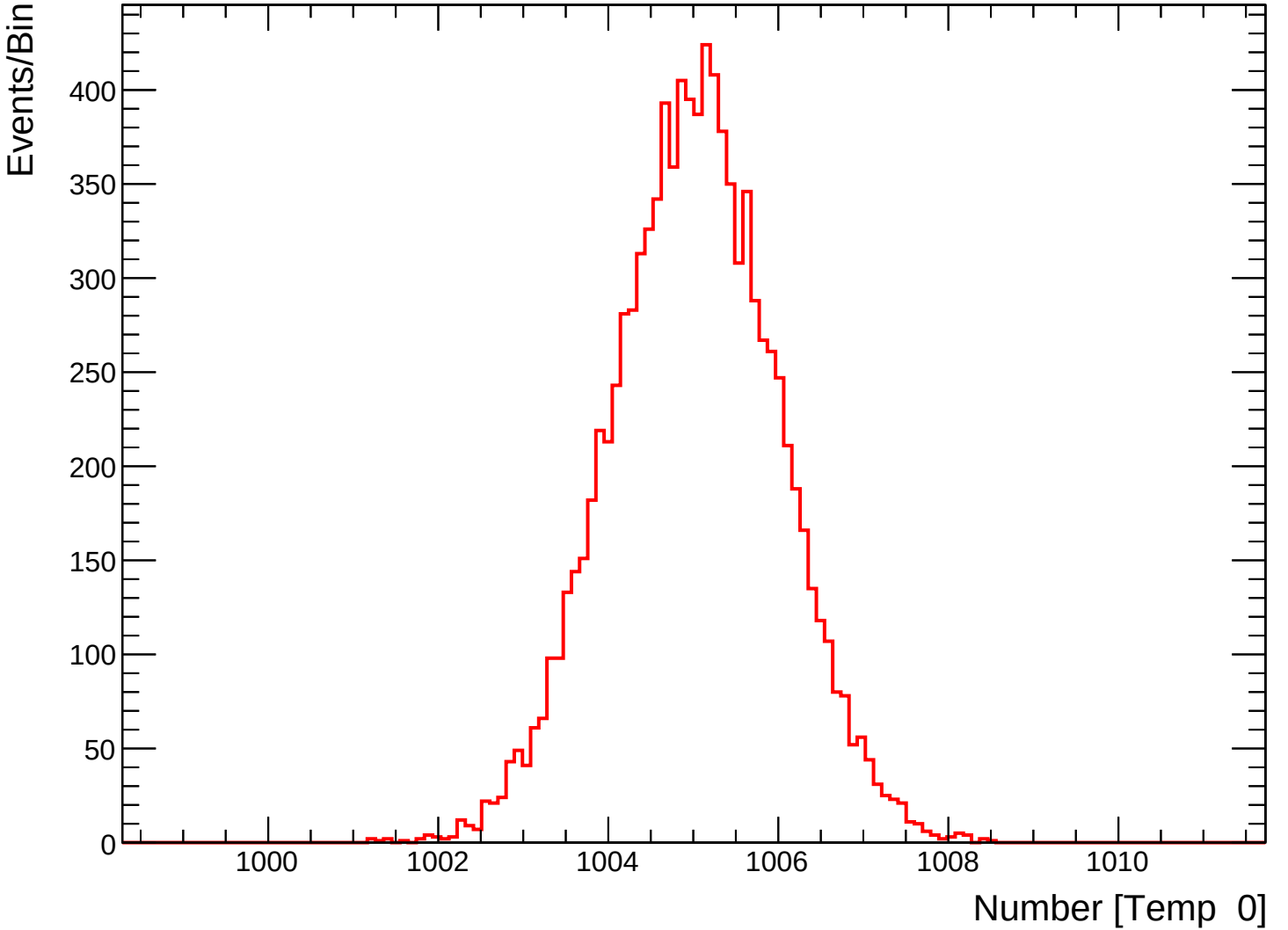

Time 32 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (962.8 ± 32.1)
e⁻+π⁻ (12.9 ± 8.4)
χ² 0.96
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

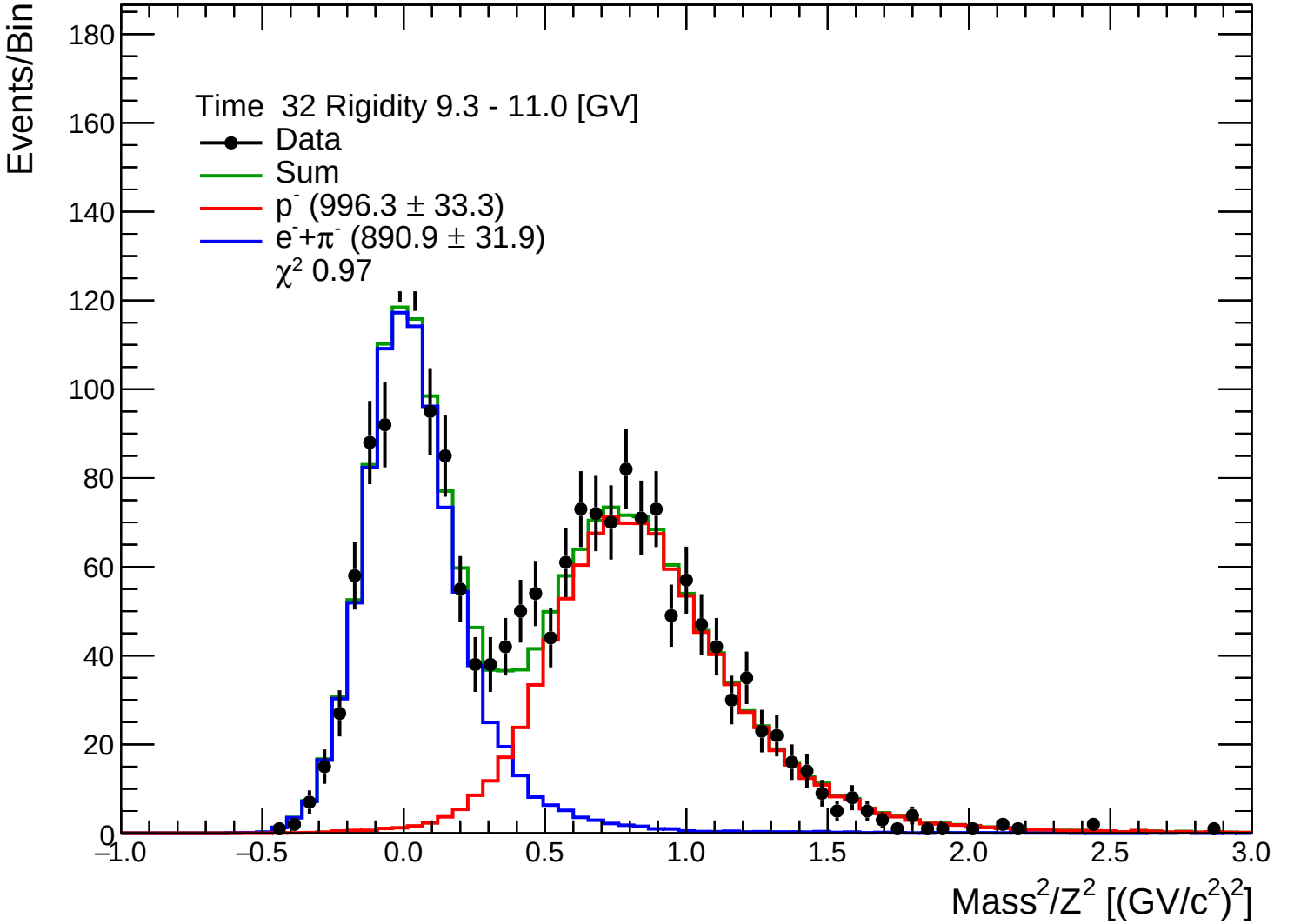

Events/Bin
400
350
300
250
200
150
100
50
0
956
958
960
962
964
966
968
970
Number [Temp 0]

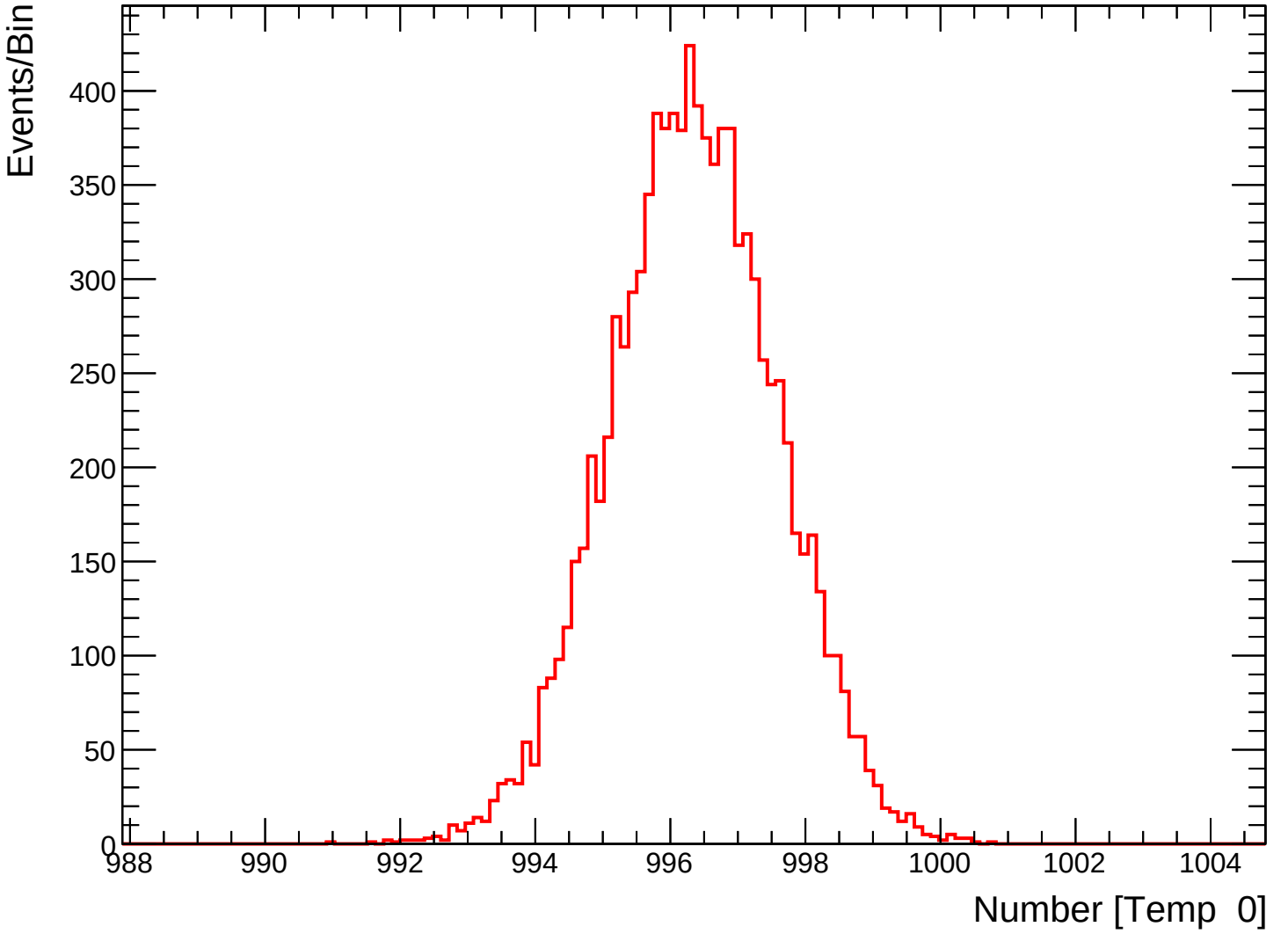

Time 32 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1091.9 ± 33.7)
e⁻+π⁻ (86.5 ± 10.9)
χ² 0.99
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

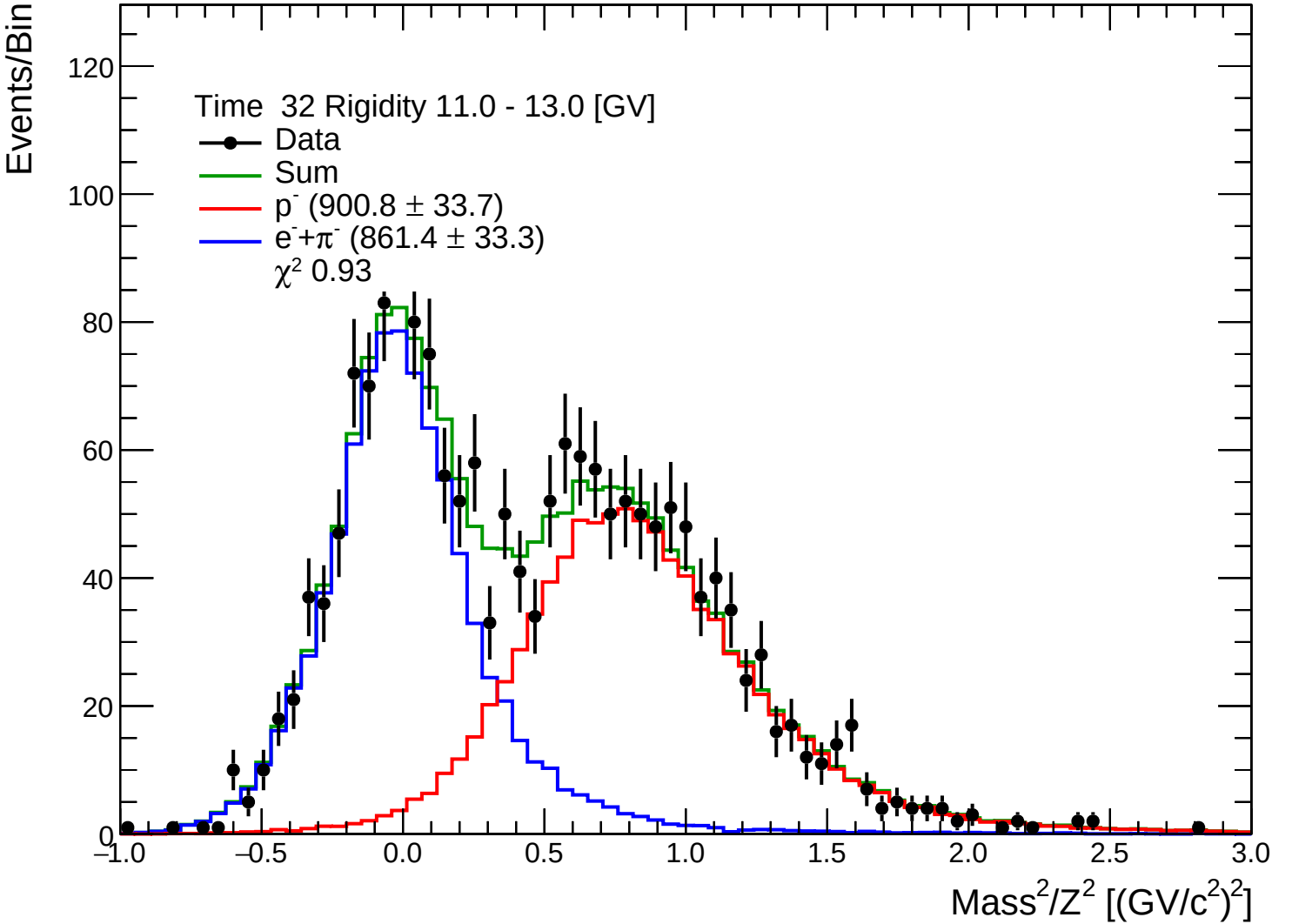

Events/Bin
450
400
350
300
250
200
150
100
50
0
1088
1090
1092
1094
1096
Number [Temp 0]

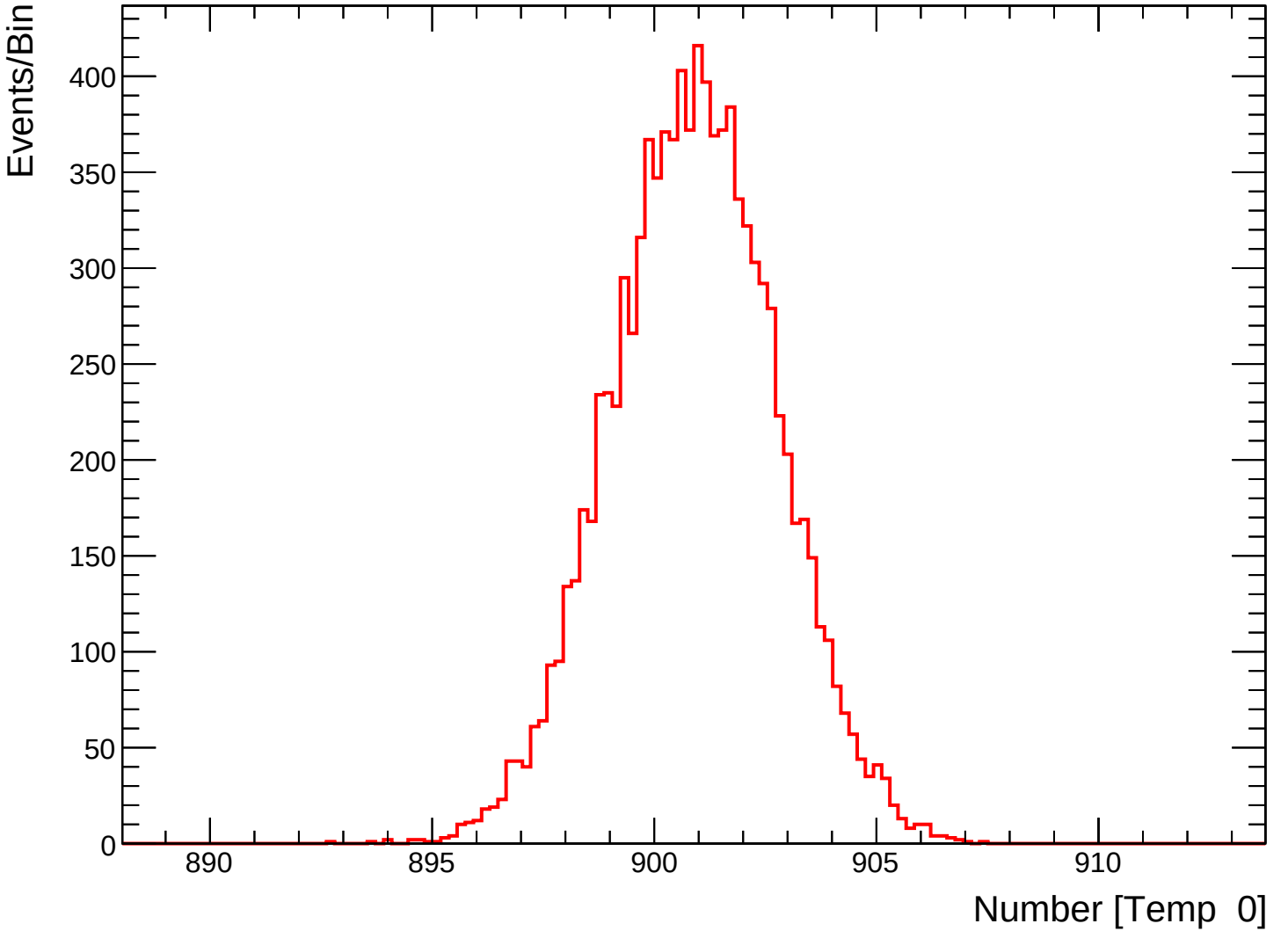

Time 32 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1005.0 ± 32.7)
e⁻+π⁻ (491.4 ± 23.6)
χ² 1.17
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

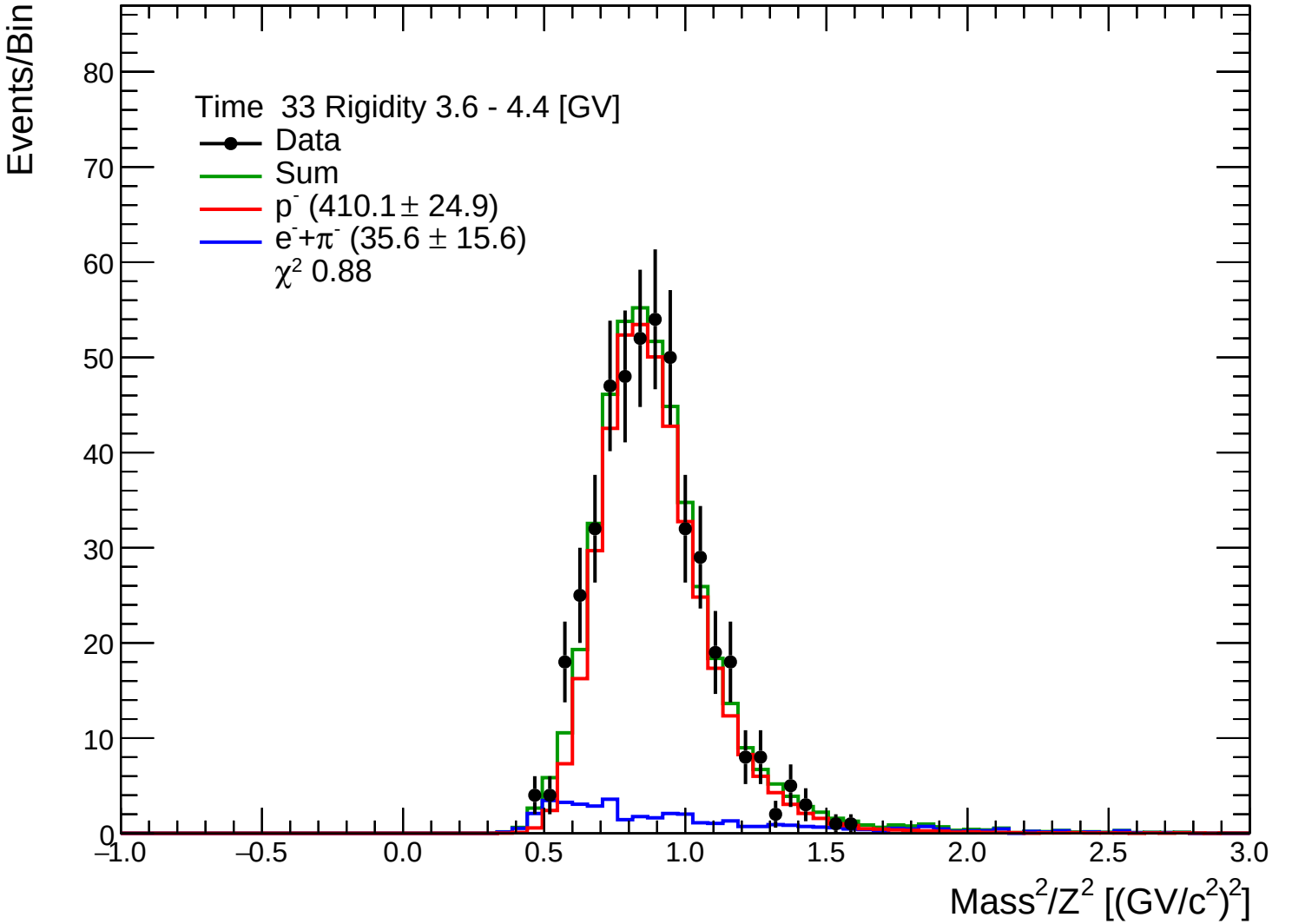

Events/Bin
400
350
300
250
200
150
100
50
0
1000
1002
1004
1006
1008
1010
Number [Temp 0]

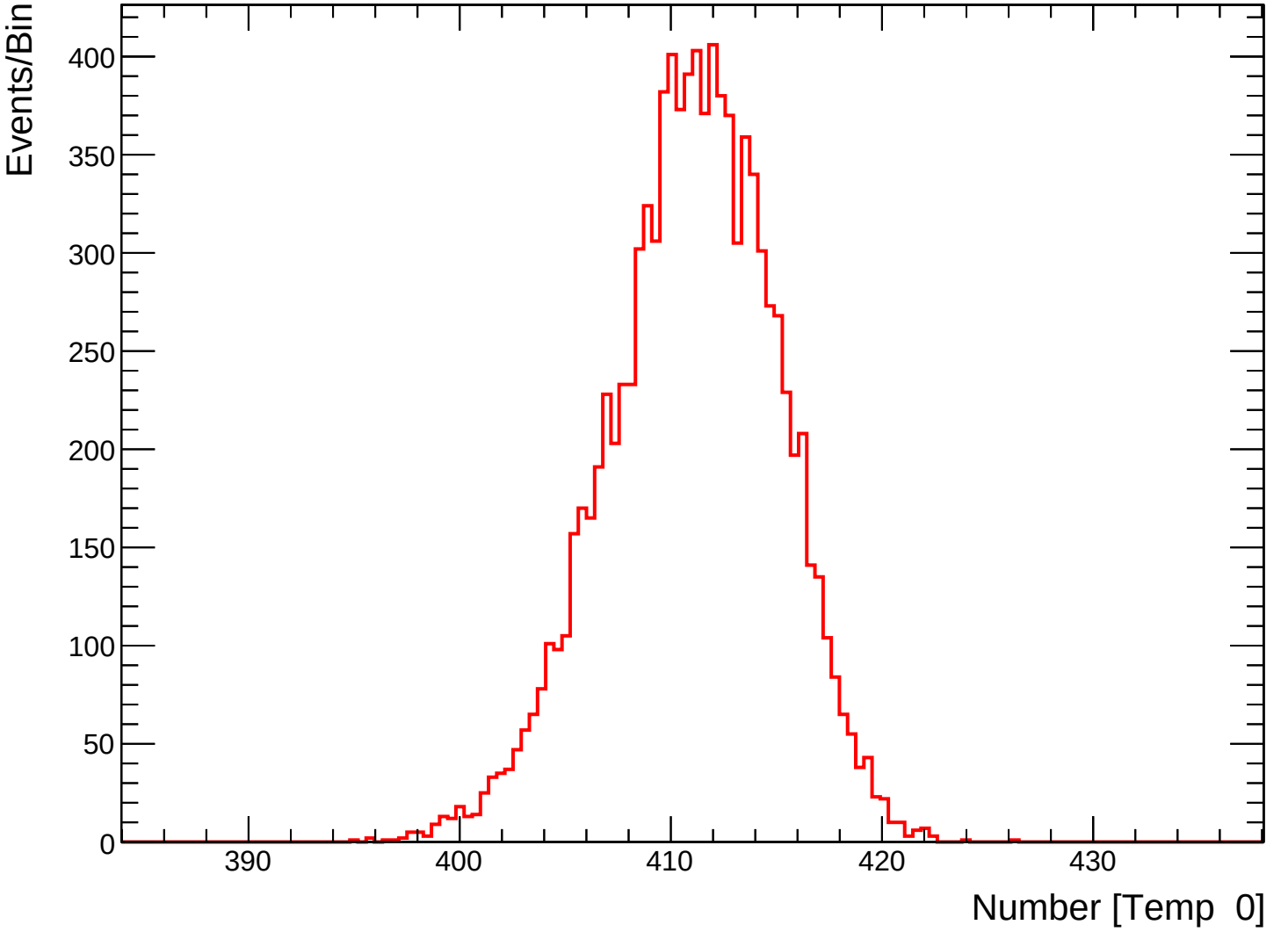

Time 32 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (996.3 ± 33.3)
e⁻+π⁻ (890.9 ± 31.9)
χ² 0.97
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

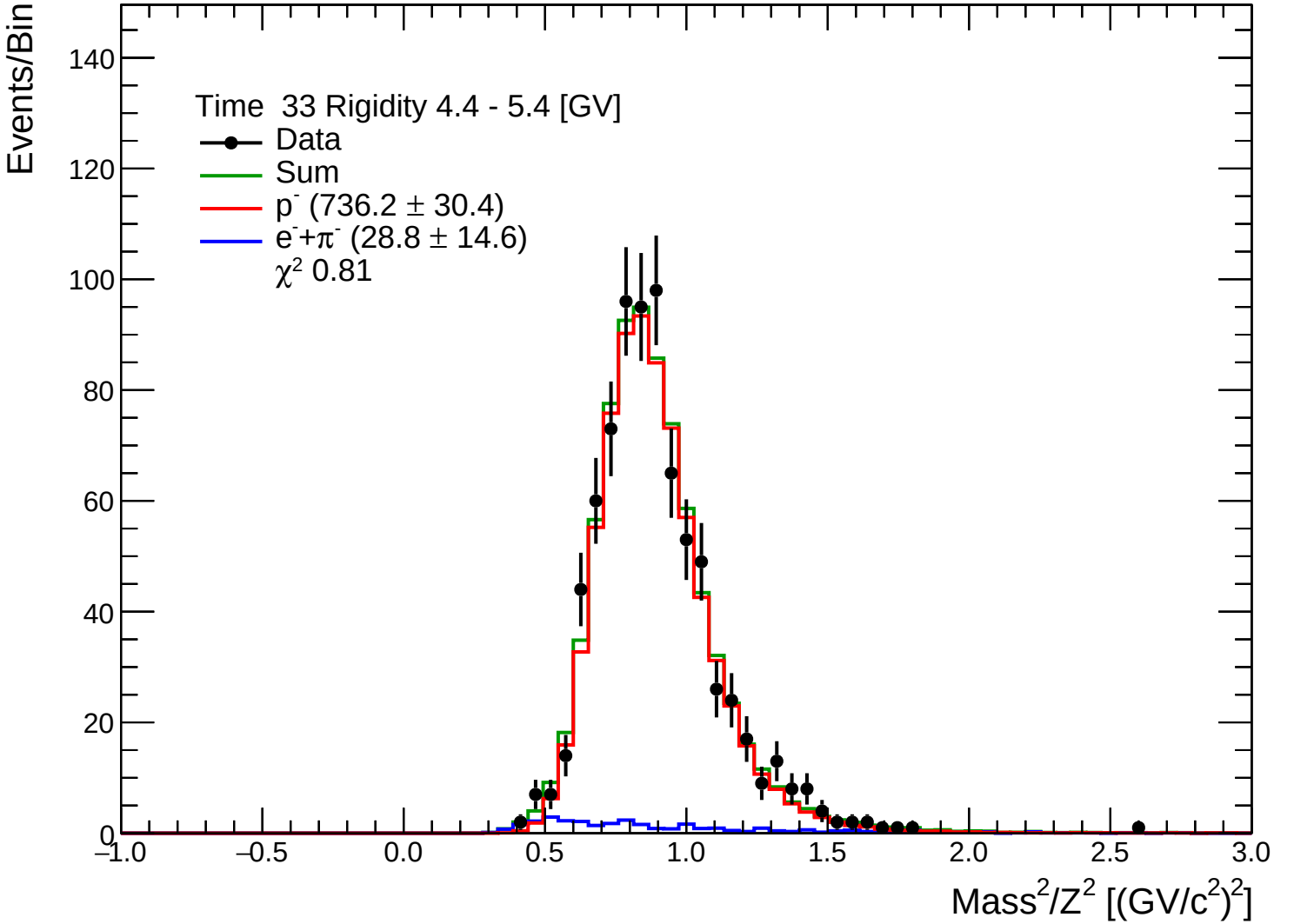

Events/Bin
400
350
300
250
200
150
100
50
0
988
990
992
994
996
998
1000
1002
1004
Number [Temp 0]

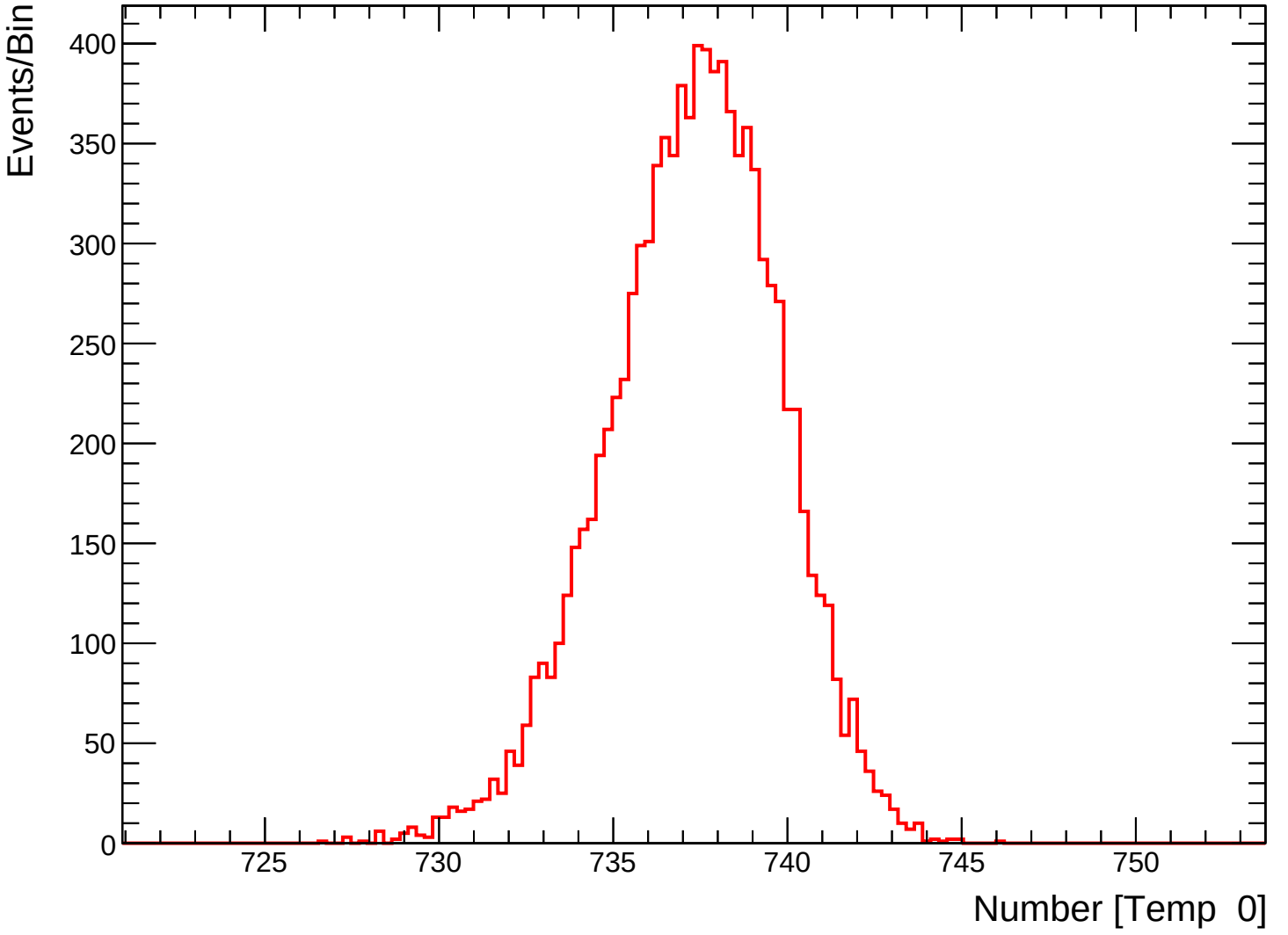

Time 32 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (900.8 ± 33.7)
e⁻+π⁻ (861.4 ± 33.3)
χ² 0.93
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

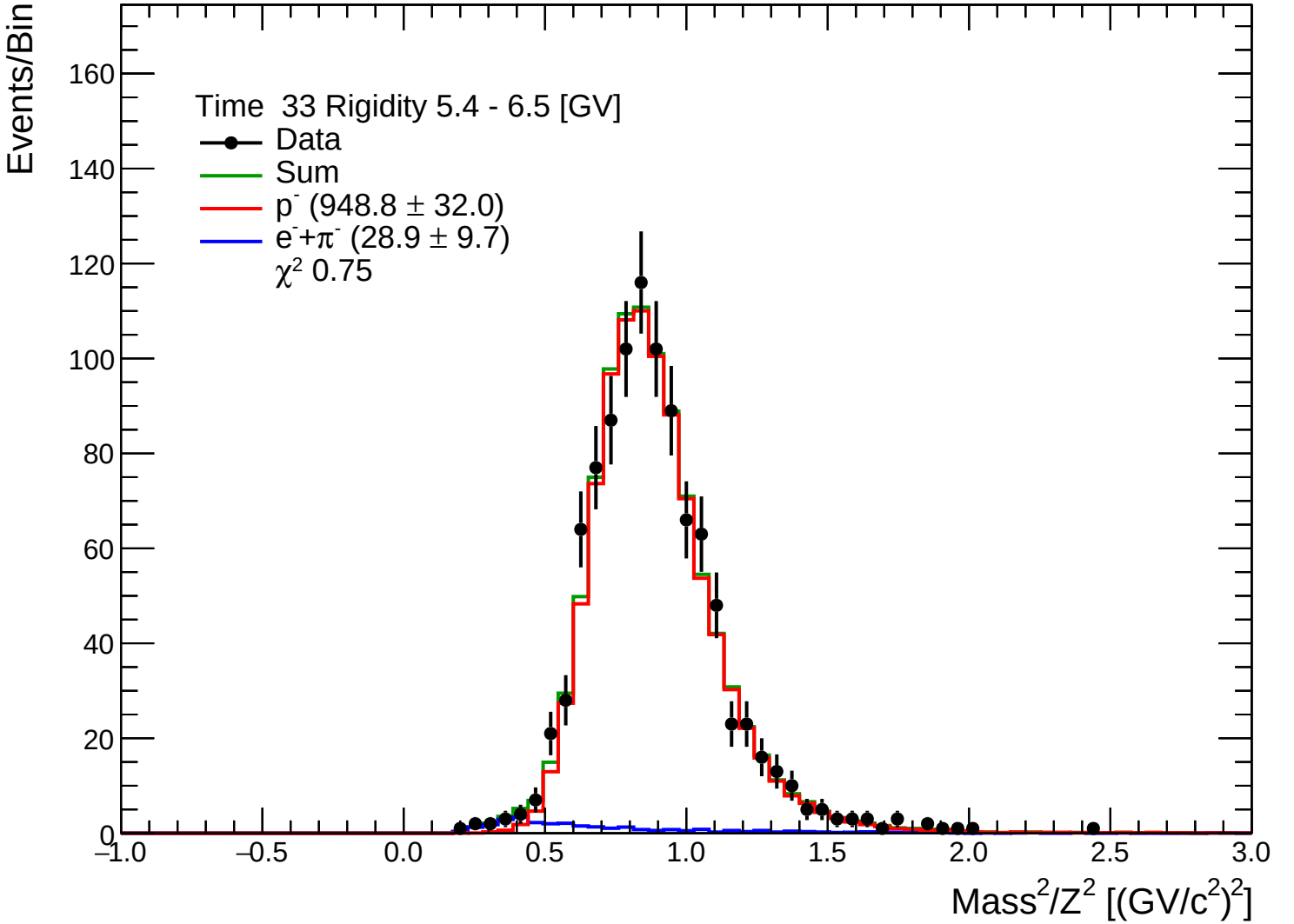

Events/Bin
400
350
300
250
200
150
100
50
0
890
895
900
905
910
Number [Temp 0]

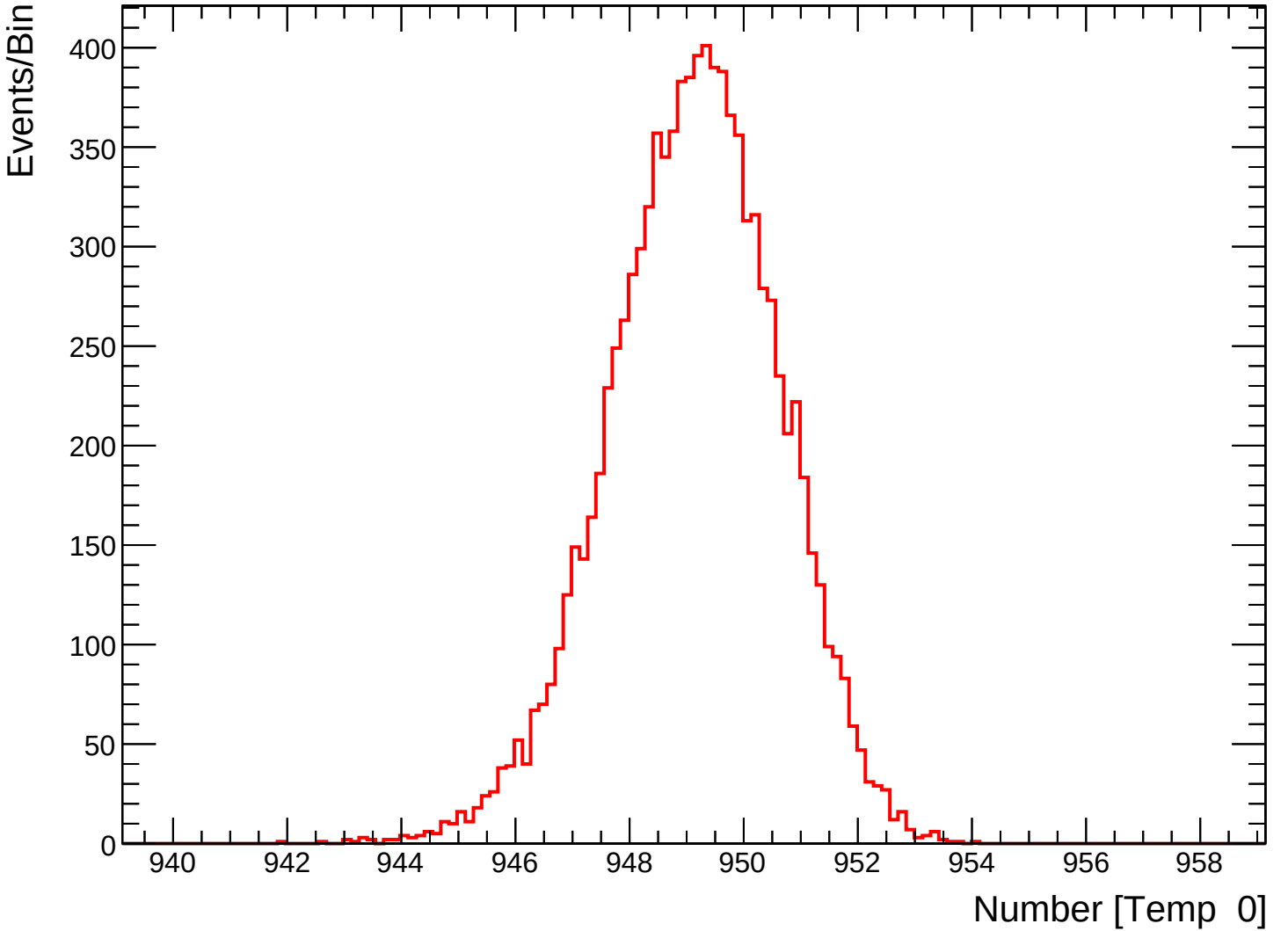

Time 33 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (410.1 ± 24.9)
e⁻+π⁻ (35.6 ± 15.6)
χ² 0.88
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

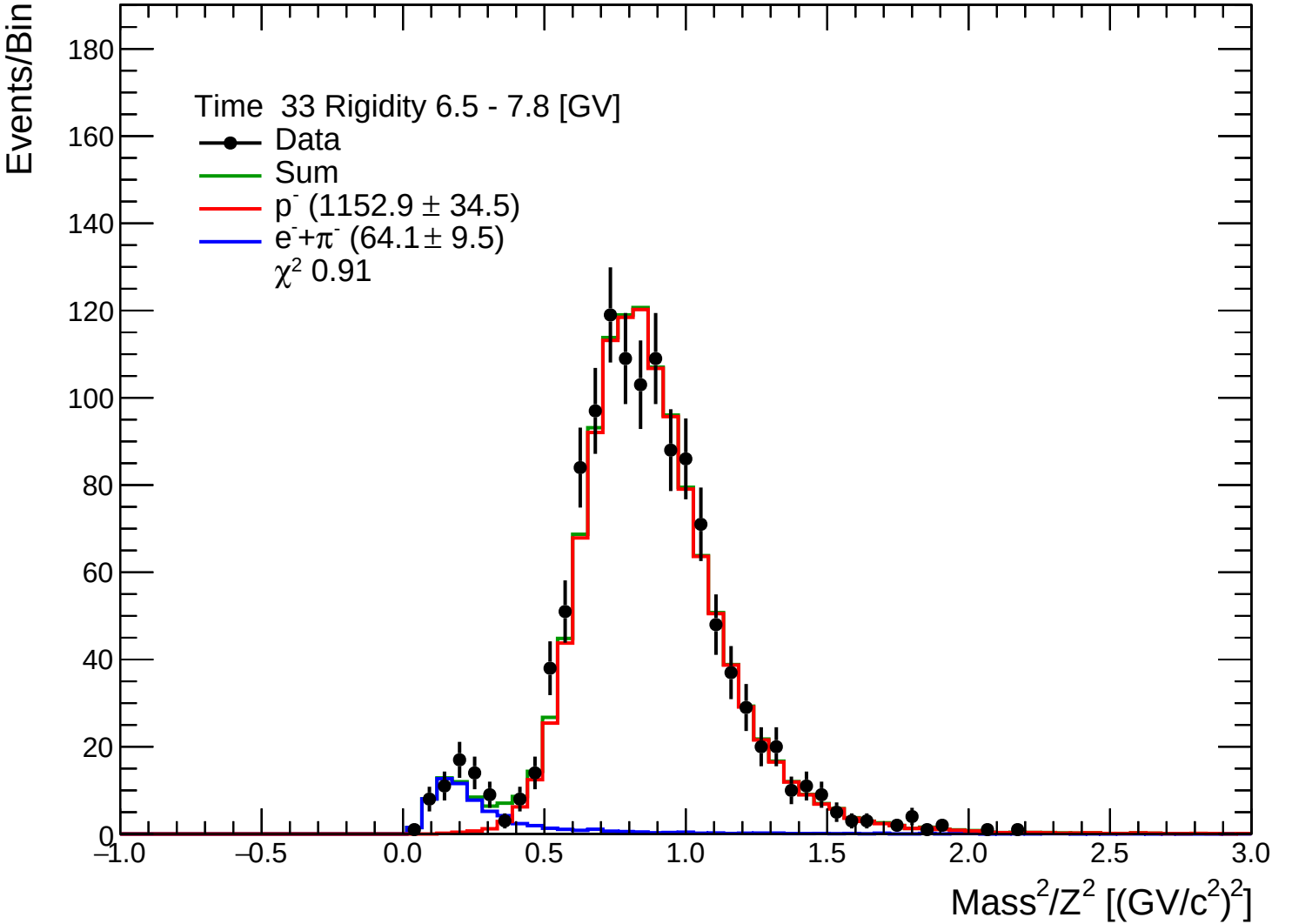

Events/Bin
400
350
300
250
200
150
100
50
0
390
400
410
420
430
Number [Temp 0]

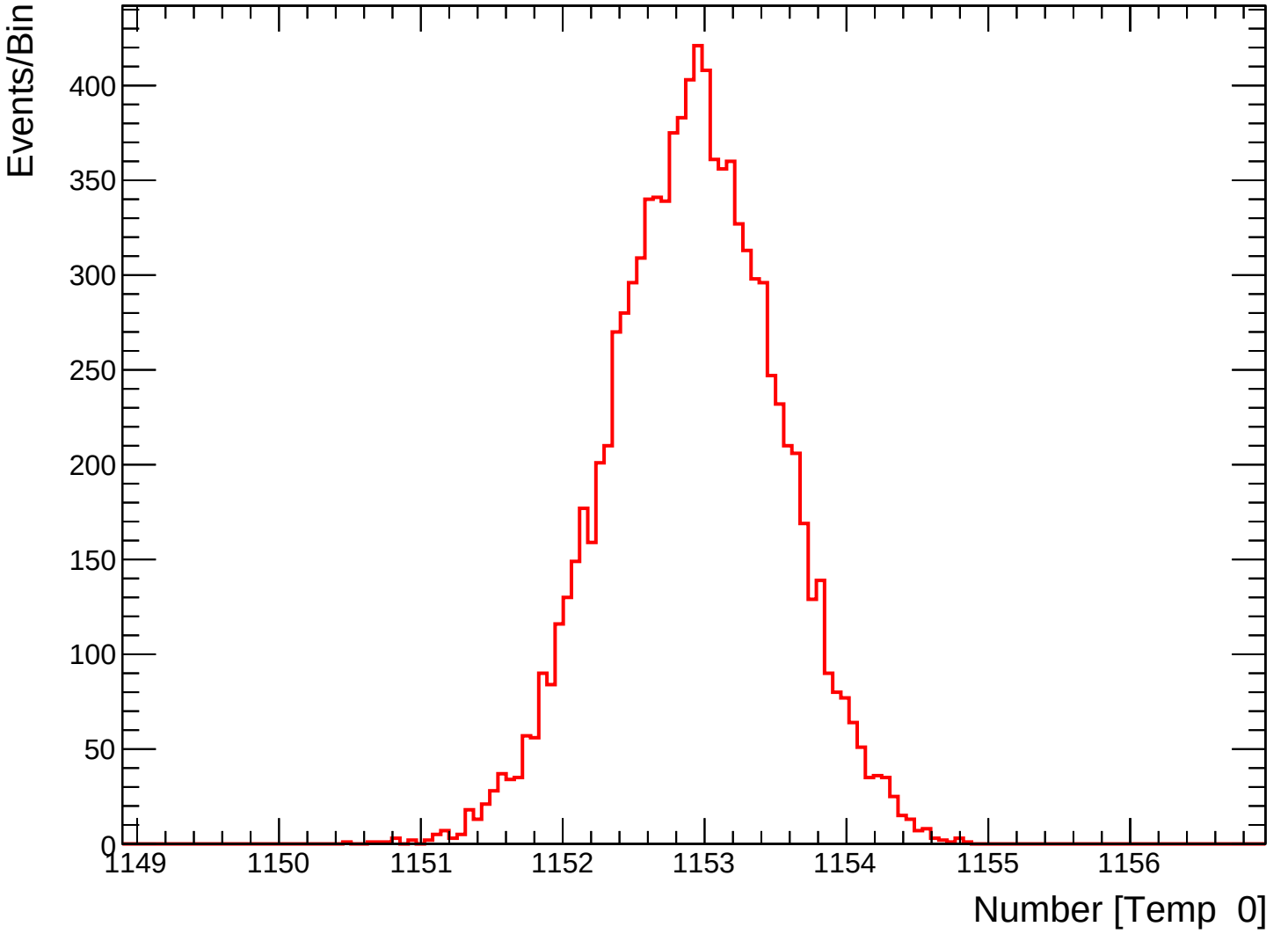

Time 33 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (736.2 ± 30.4)
e⁻+π⁻ (28.8 ± 14.6)
χ² 0.81
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

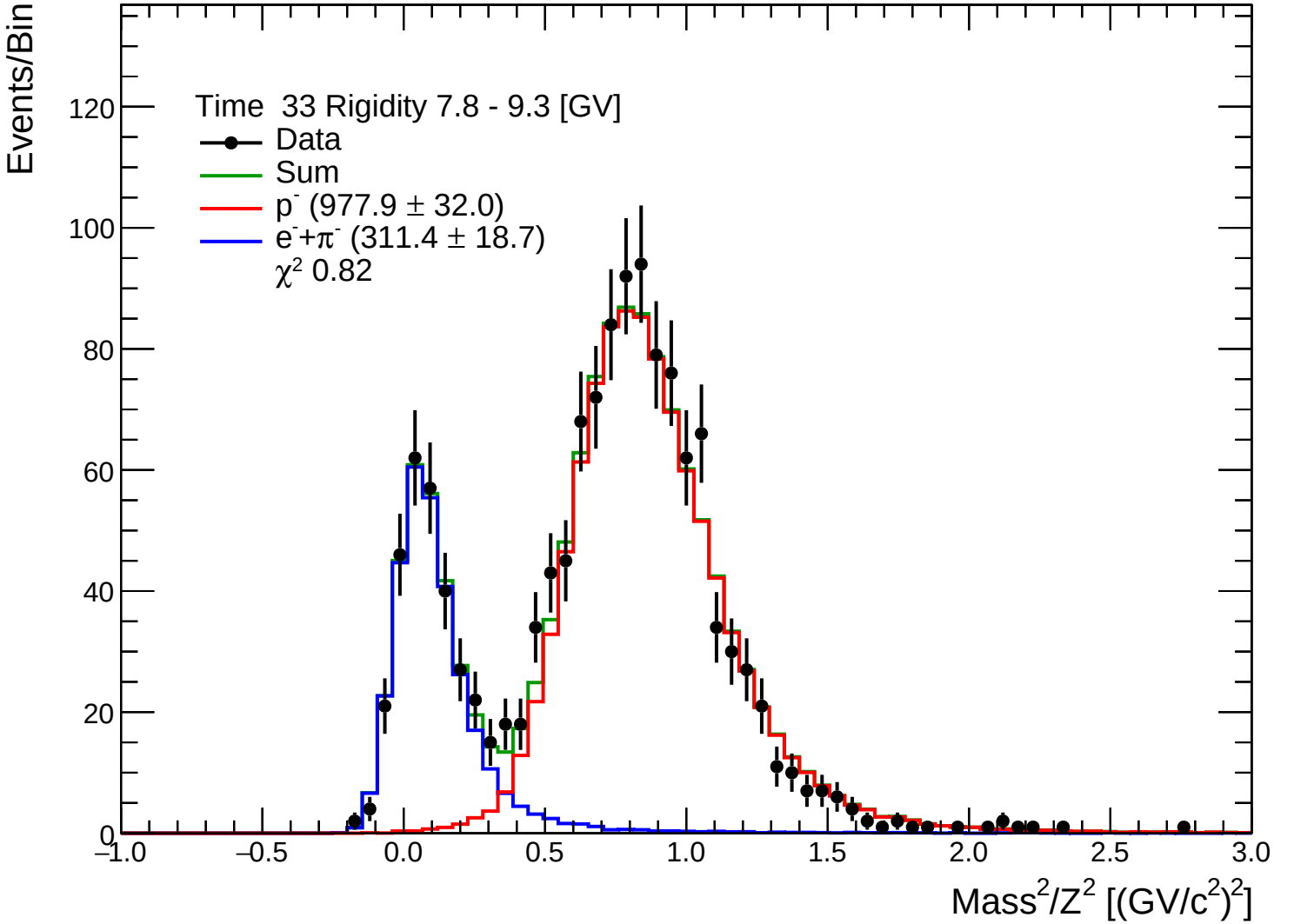

Events/Bin
400
350
300
250
200
150
100
50
0
725
730
735
740
745
750
Number [Temp 0]

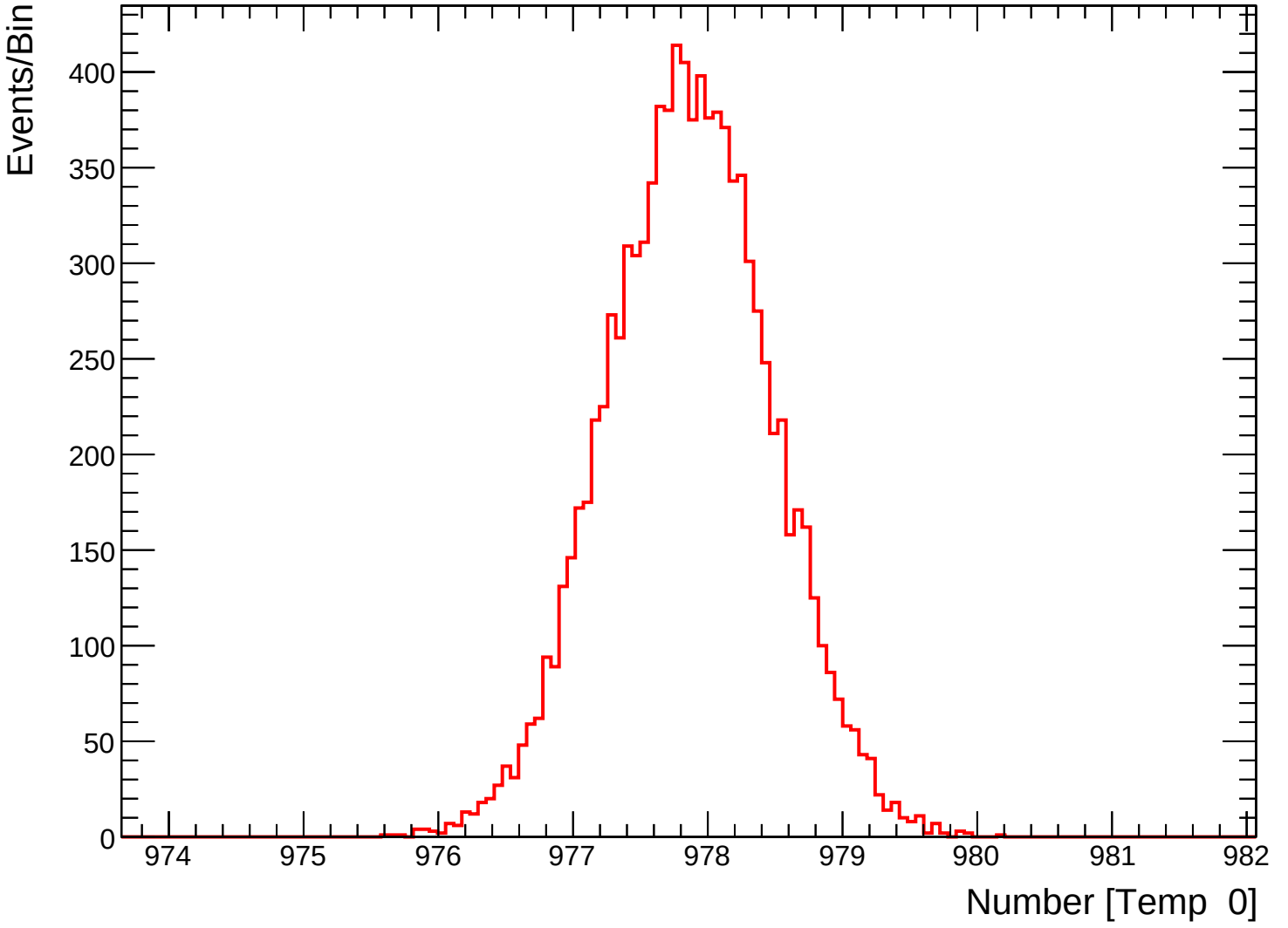

Time 33 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (948.8 ± 32.0)
e⁻+π⁻ (28.9 ± 9.7)
χ² 0.75
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

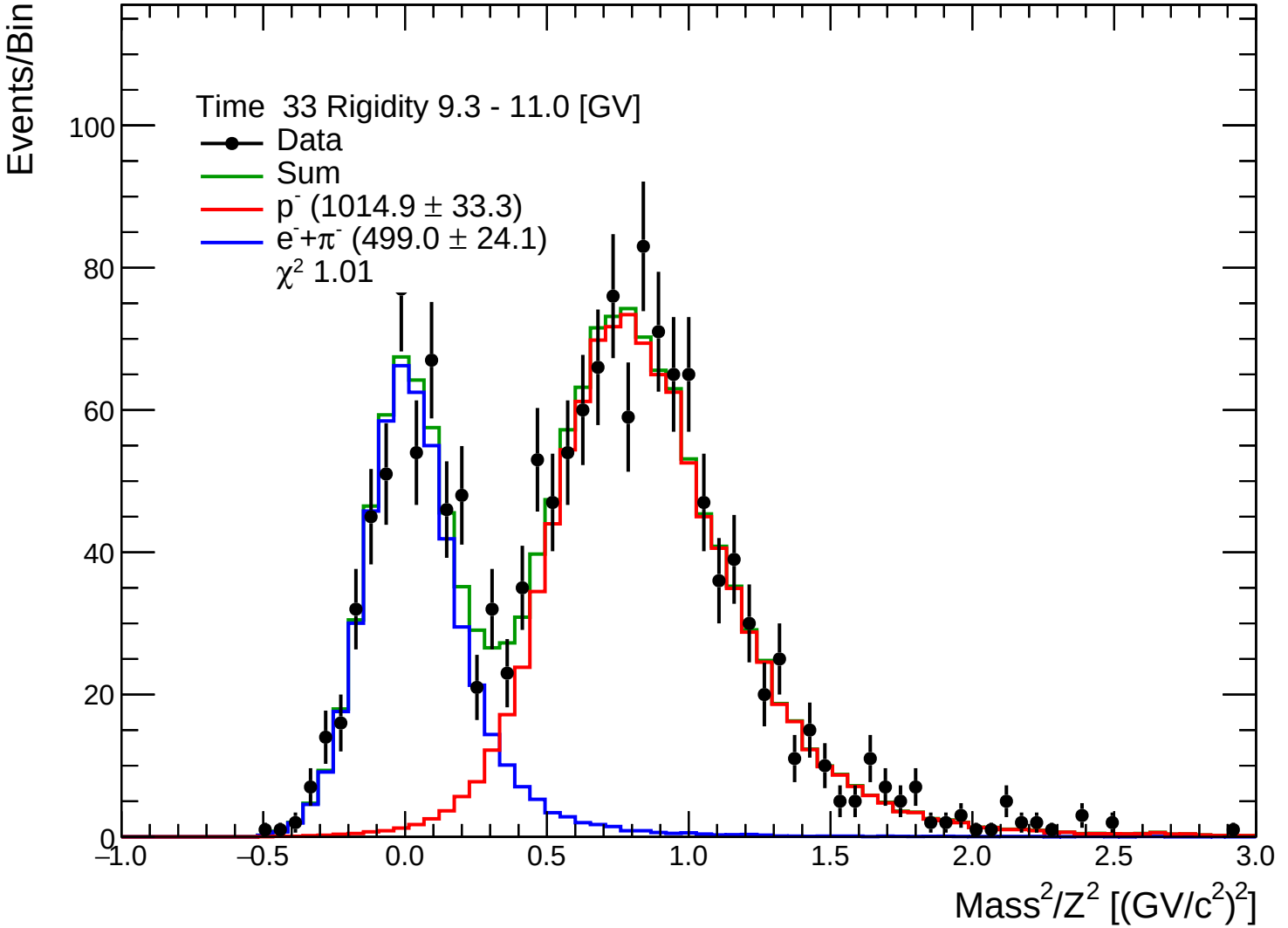

Events/Bin
400
350
300
250
200
150
100
50
0
940
942
944
946
948
950
952
954
956
958
Number [Temp 0]

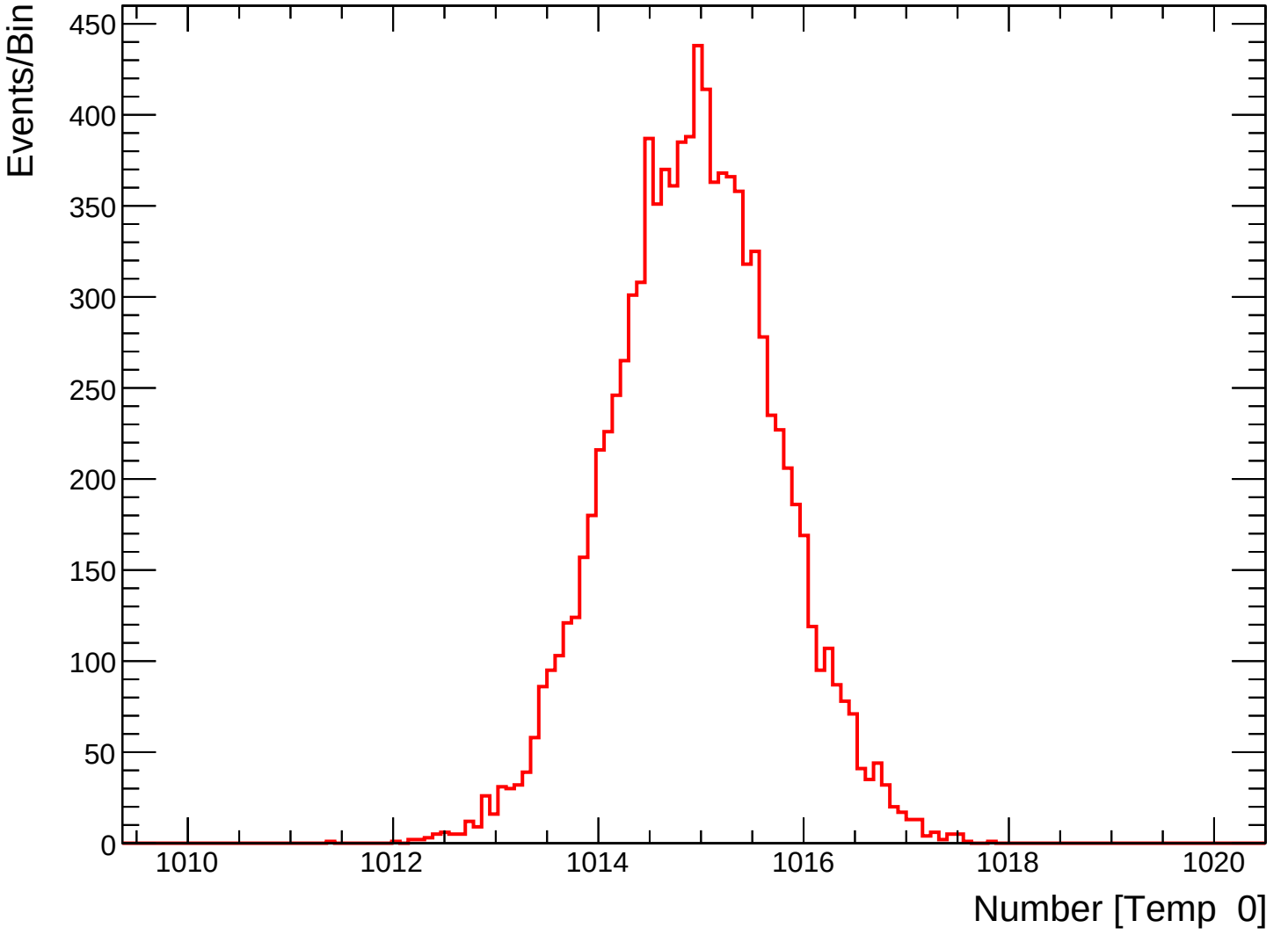

Time 33 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1152.9 ± 34.5)
e⁻+π⁻ (64.1± 9.5)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

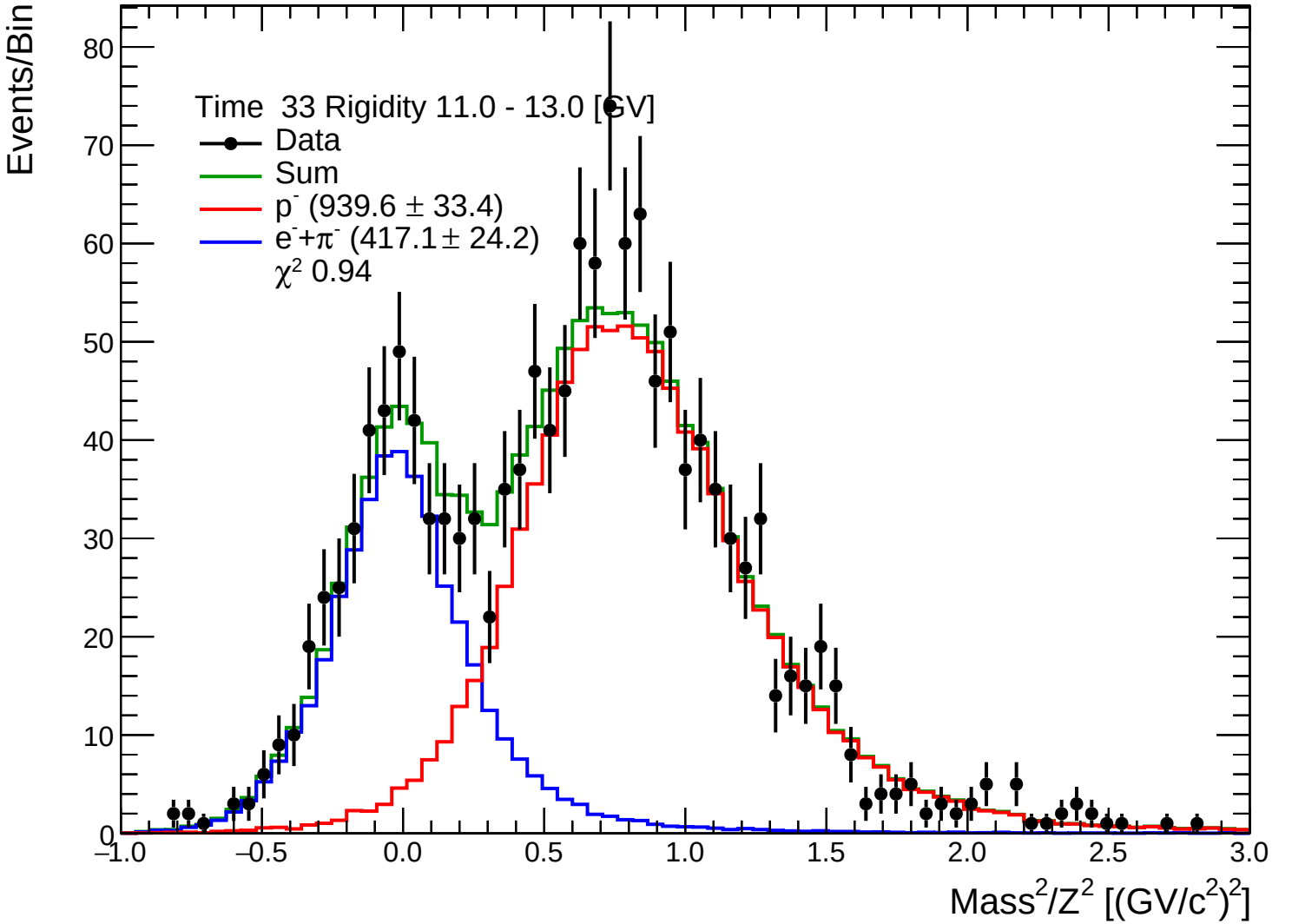

Events/Bin
400
350
300
250
200
150
100
50
0
1149
1150
1151
1152
1153
1154
1155
1156
Number [Temp 0]

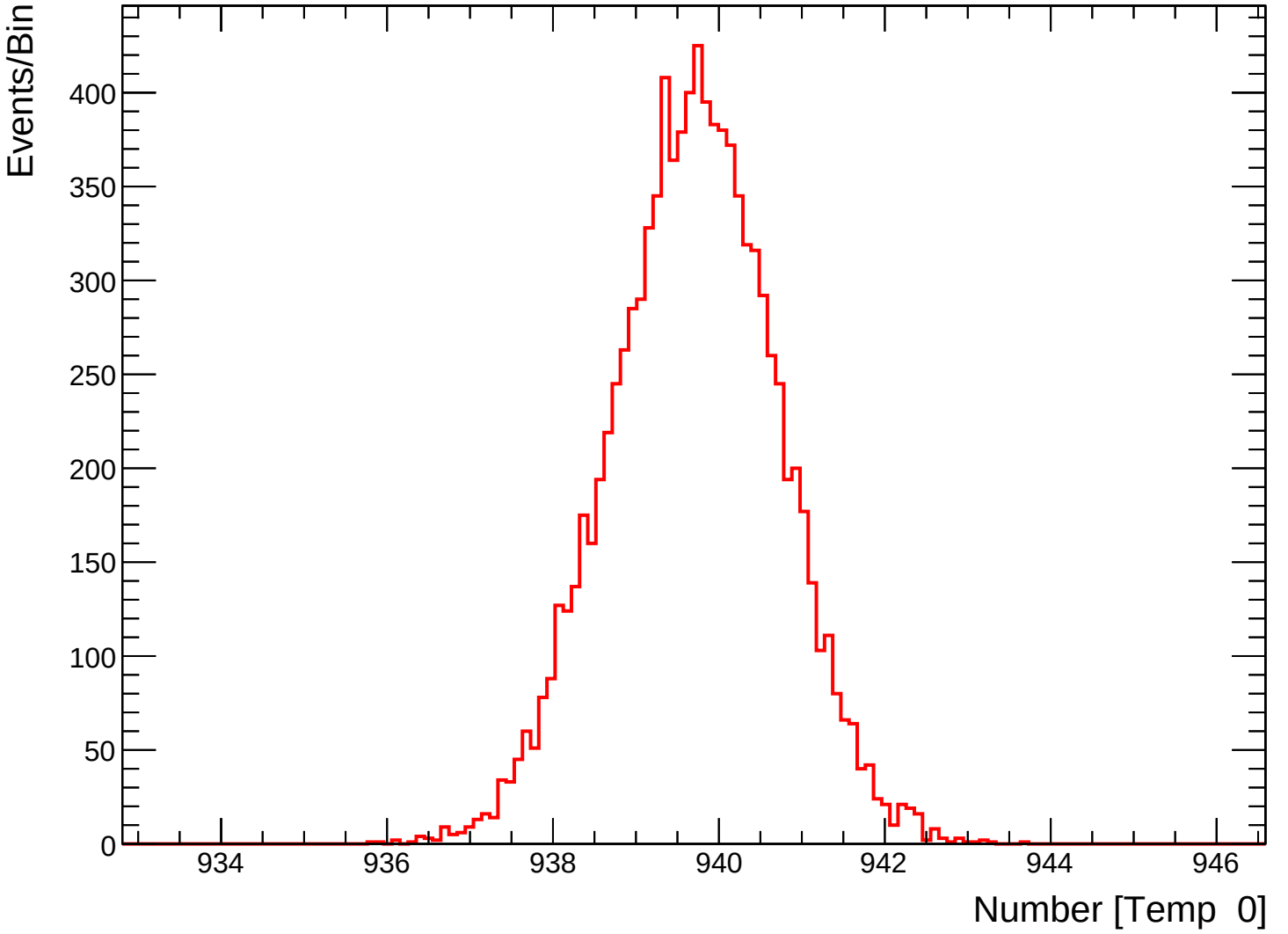

Time 33 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (977.9 ± 32.0)
e⁻+π⁻ (311.4 ± 18.7)
χ² 0.82
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

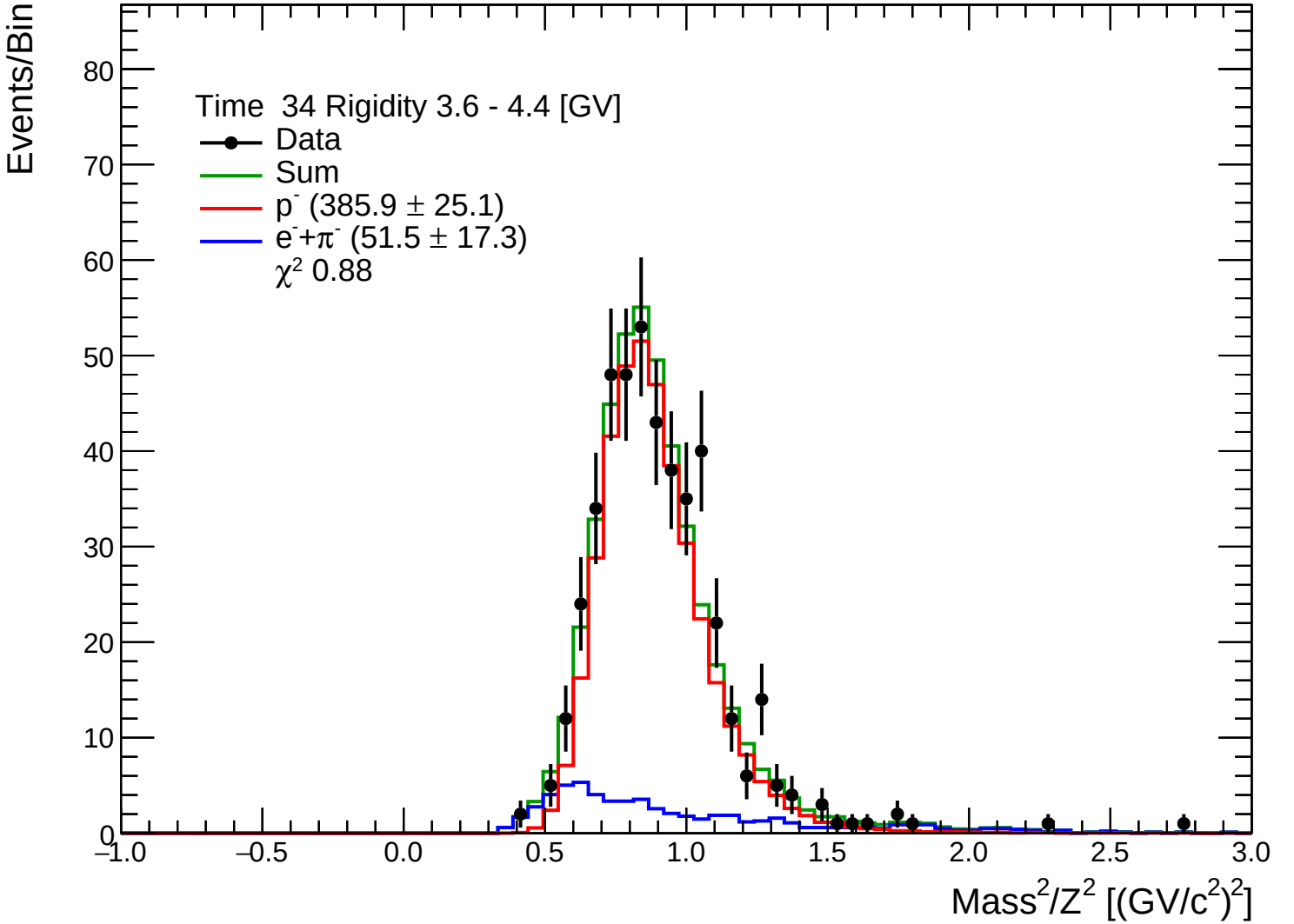

Events/Bin
400
350
300
250
200
150
100
50
0
974
975
976
977
978
979
980
981
982
Number [Temp 0]

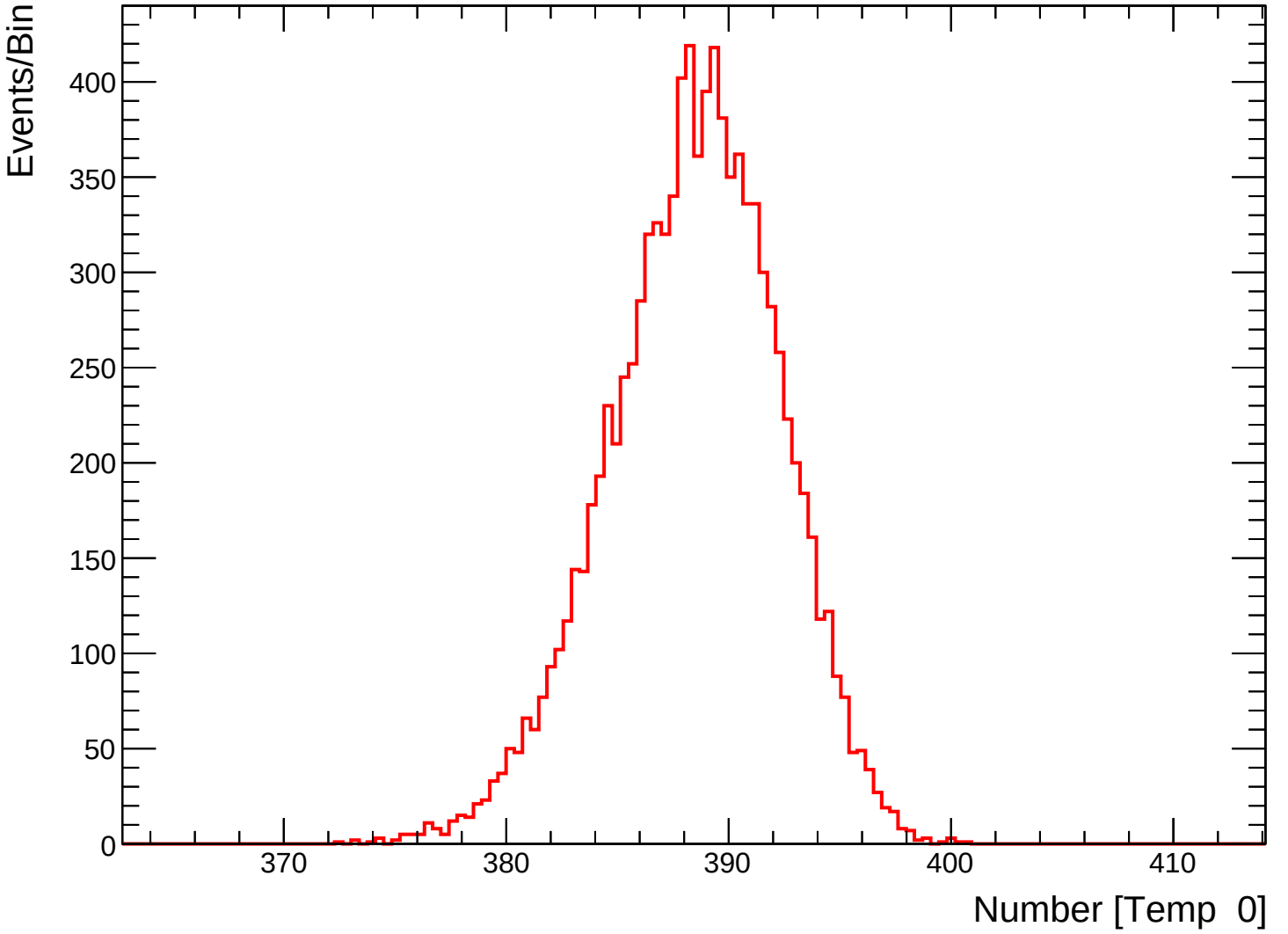

Time 33 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (1014.9 ± 33.3)
e⁻+π⁻ (499.0 ± 24.1)
χ² 1.01
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

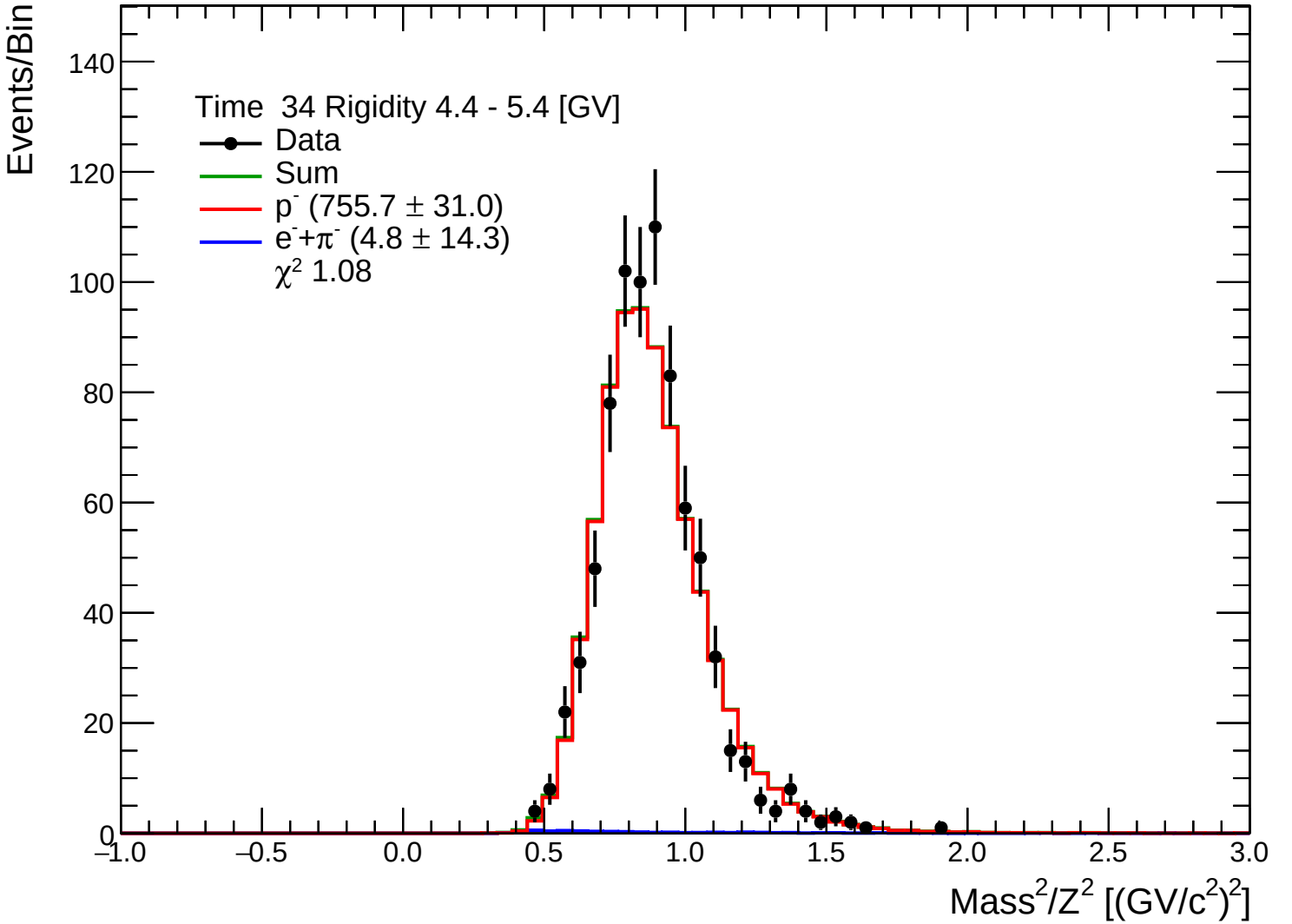

Events/Bin
450
400
350
300
250
200
150
100
50
0
1010
1012
1014
1016
1018
1020
Number [Temp 0]

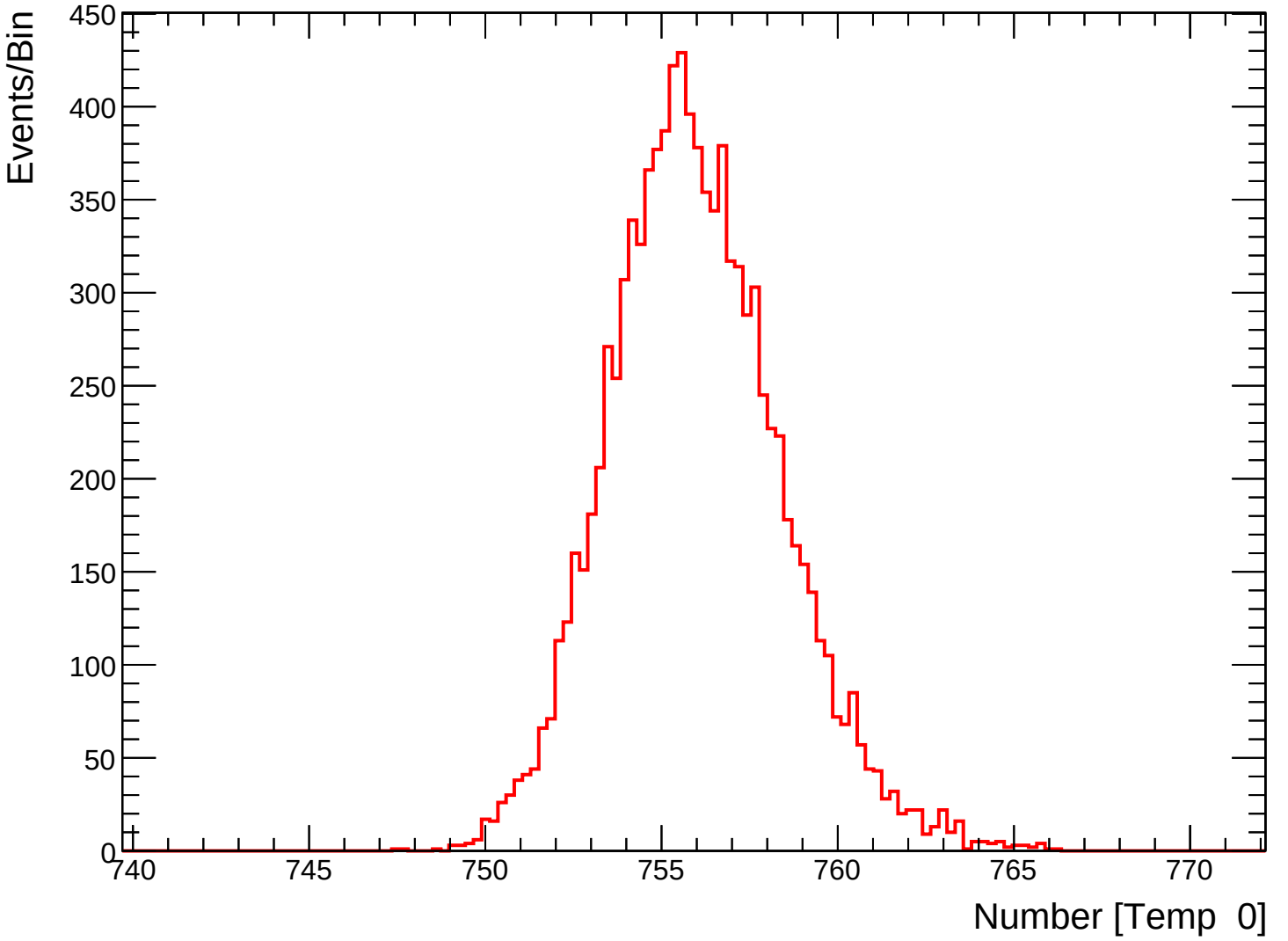

Time 33 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (939.6 ± 33.4)
e⁻+π⁻ (417.1 ± 24.2)
χ² 0.94
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

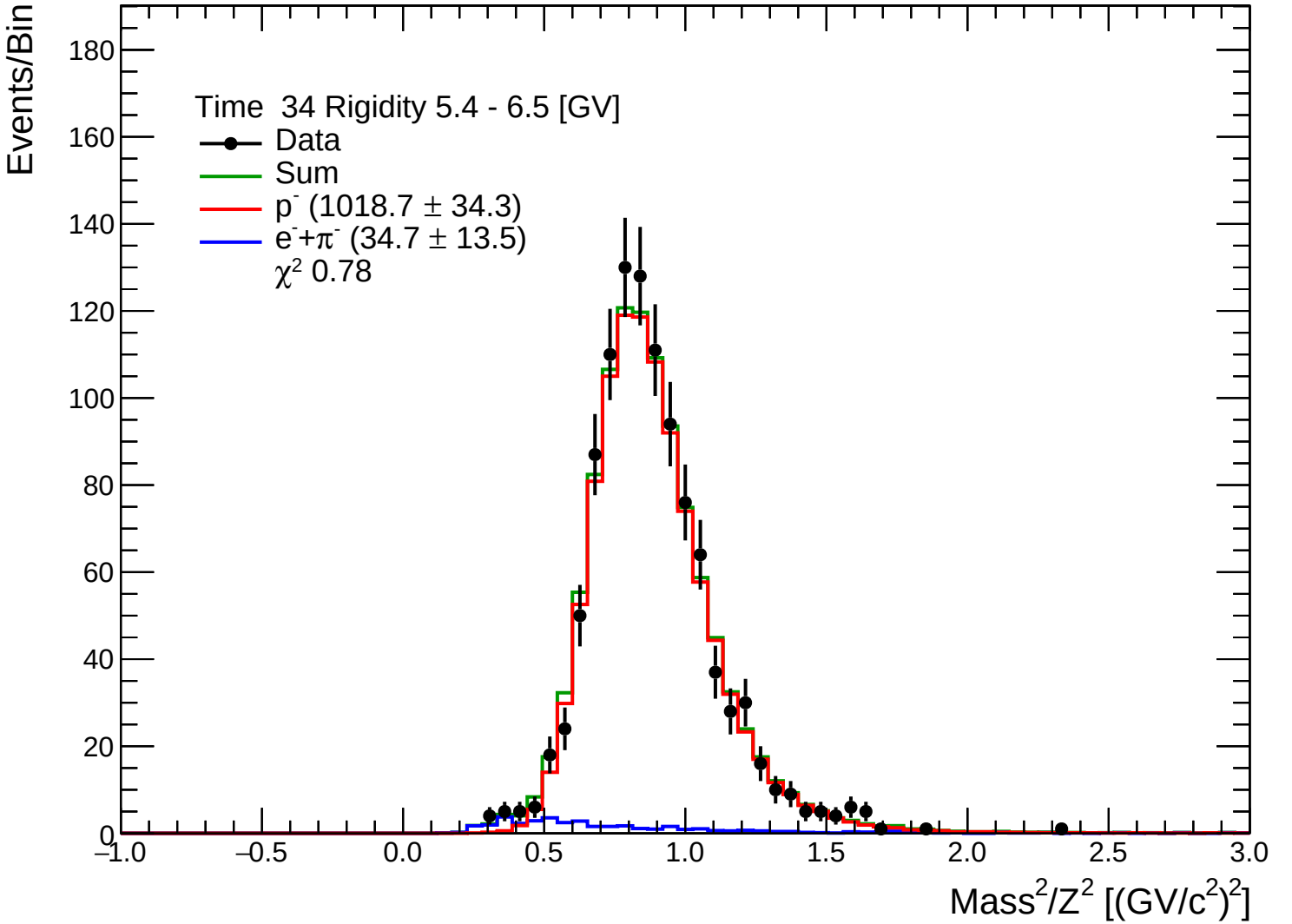

Events/Bin
400
350
300
250
200
150
100
50
0
934
936
938
940
942
944
946
Number [Temp 0]

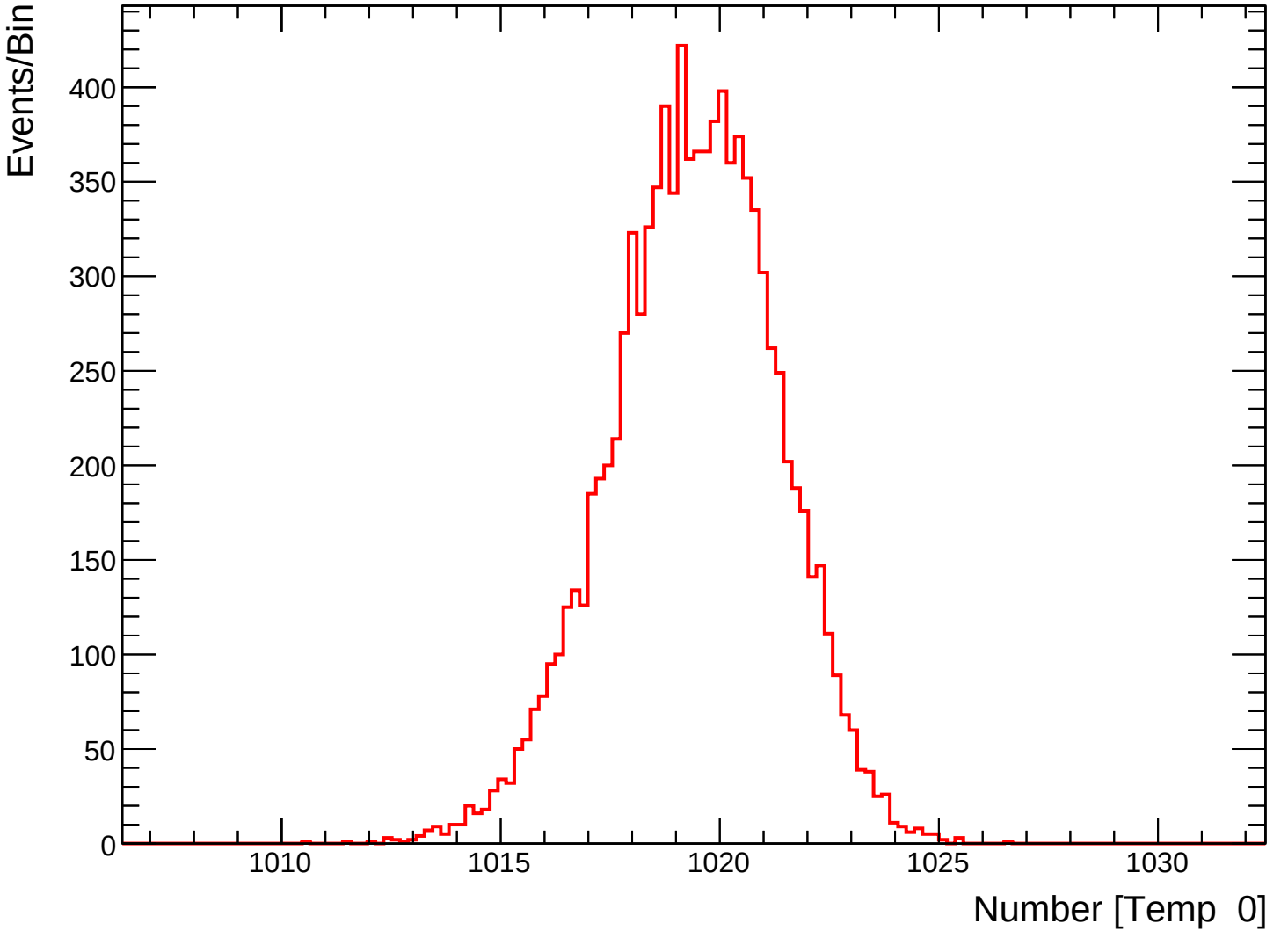

Time 34 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (385.9 ± 25.1)
e⁻+π⁻ (51.5 ± 17.3)
χ² 0.88
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

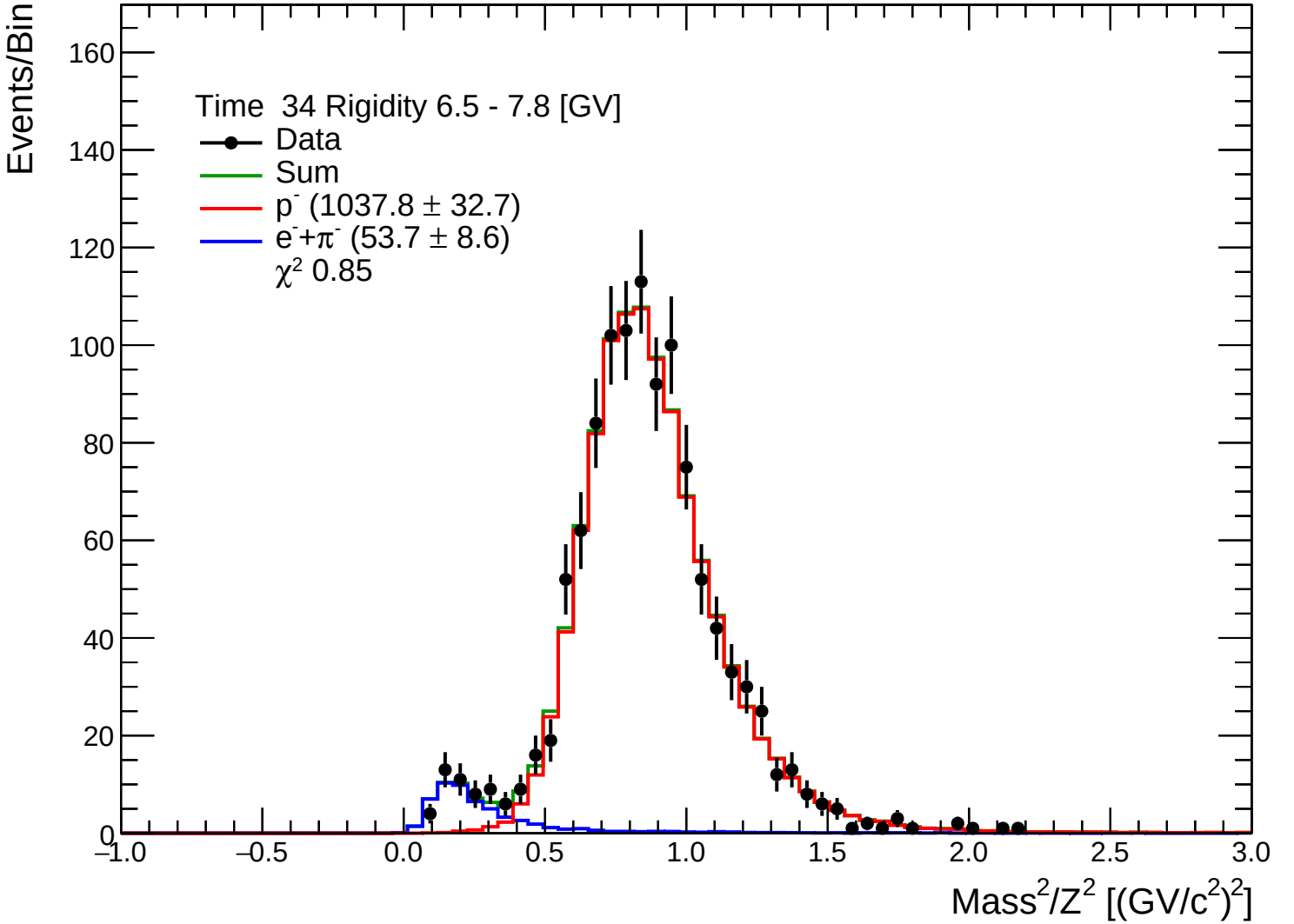

Events/Bin
400
350
300
250
200
150
100
50
0
370
380
390
400
410
Number [Temp 0]

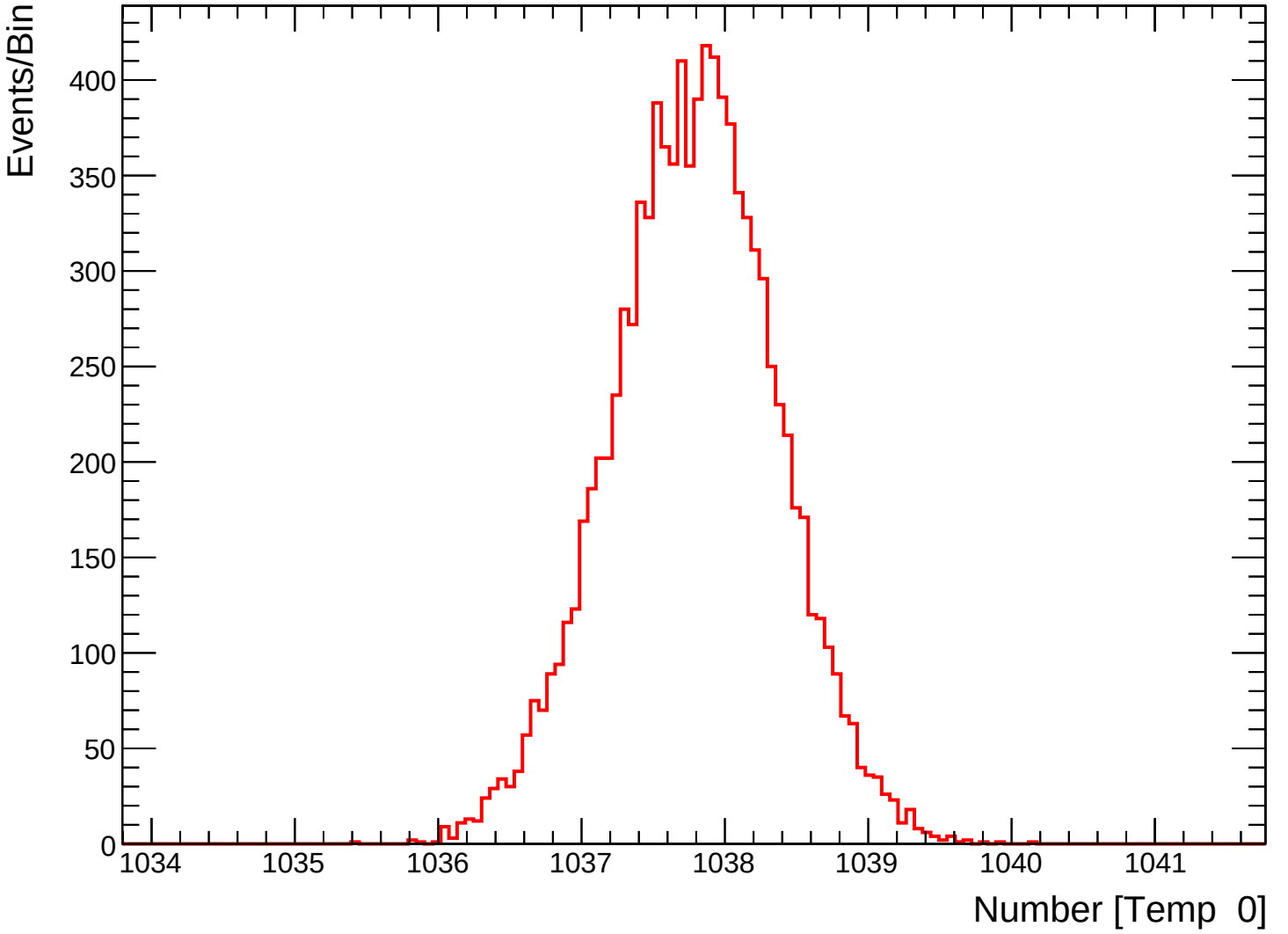

Time 34 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (755.7 ± 31.0)
e⁻+π⁻ (4.8 ± 14.3)
χ² 1.08
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

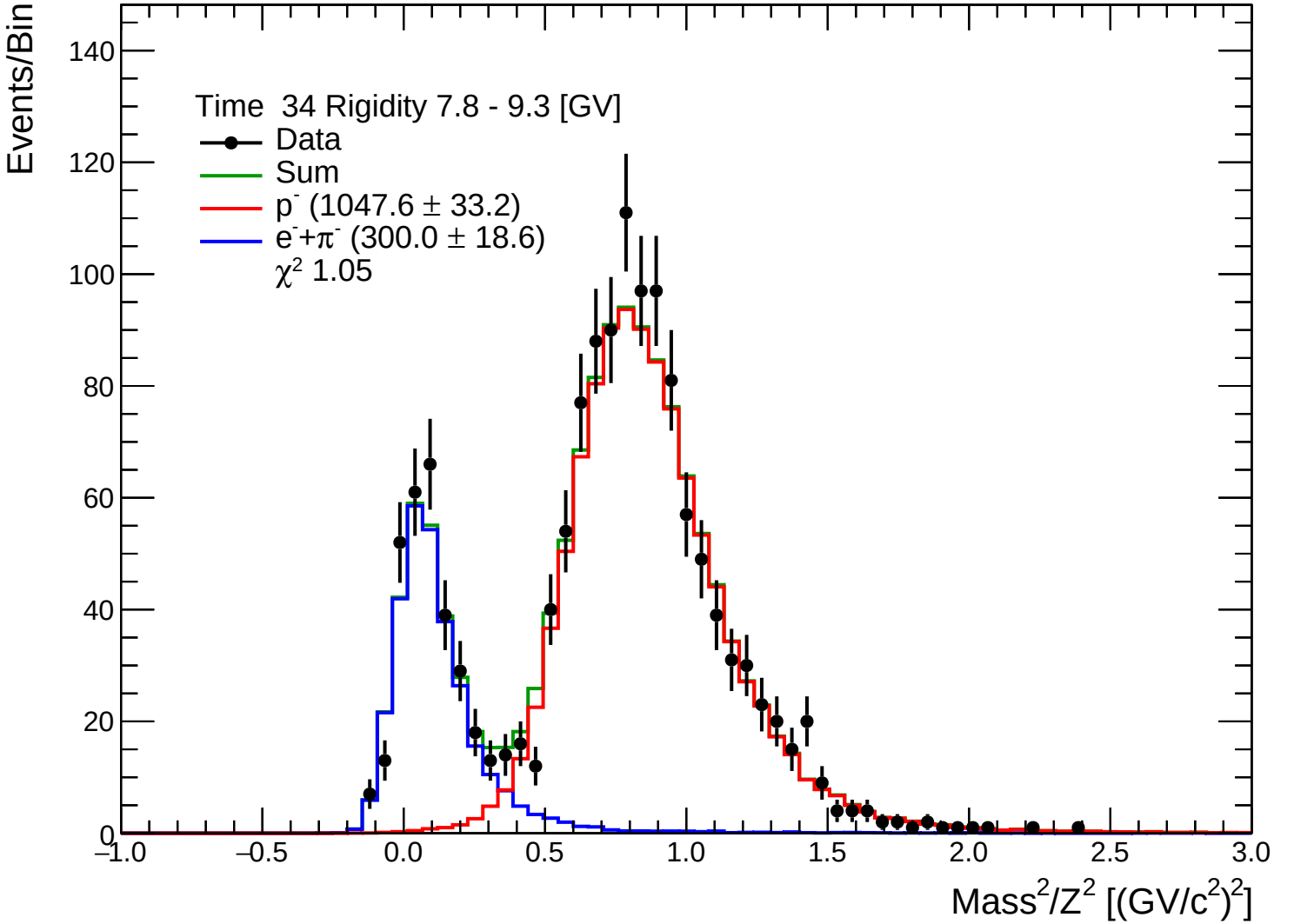

Events/Bin
450
400
350
300
250
200
150
100
50
0
740
745
750
755
760
765
770
Number [Temp 0]

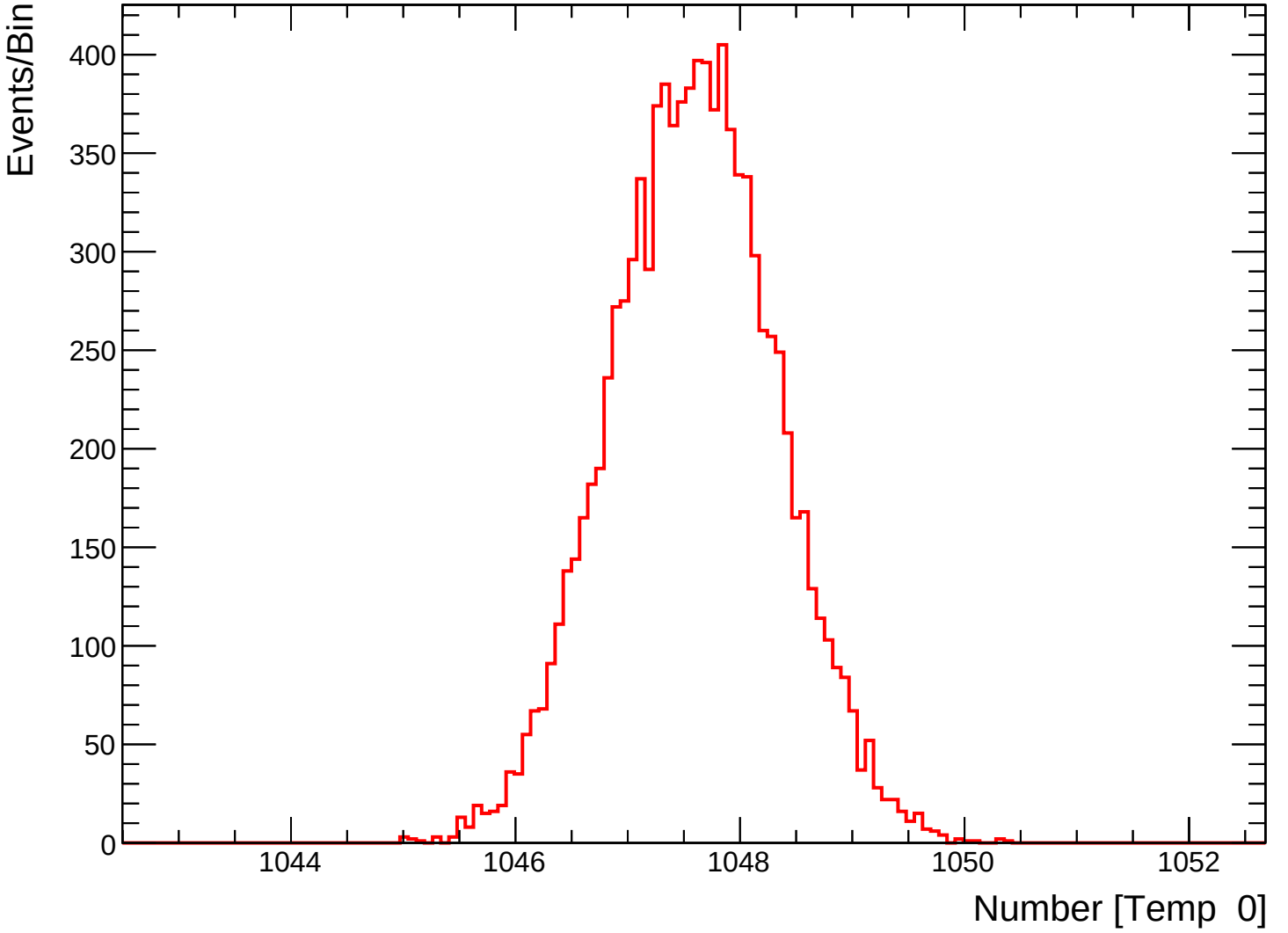

Time 34 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (1018.7 ± 34.3)
e⁻+π⁻ (34.7 ± 13.5)
χ² 0.78
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

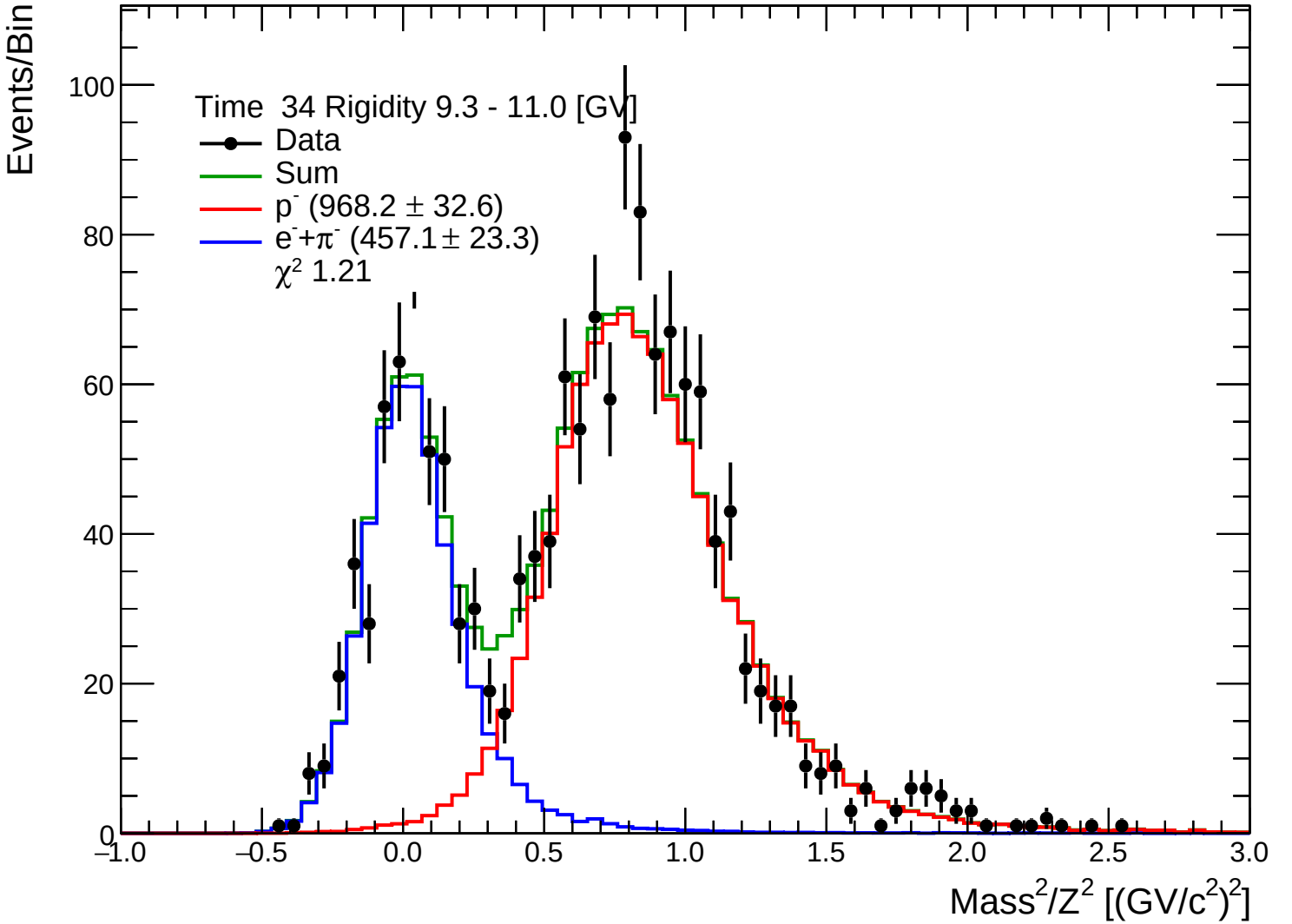

Events/Bin
400
350
300
250
200
150
100
50
0
1010
1015
1020
1025
1030
Number [Temp 0]

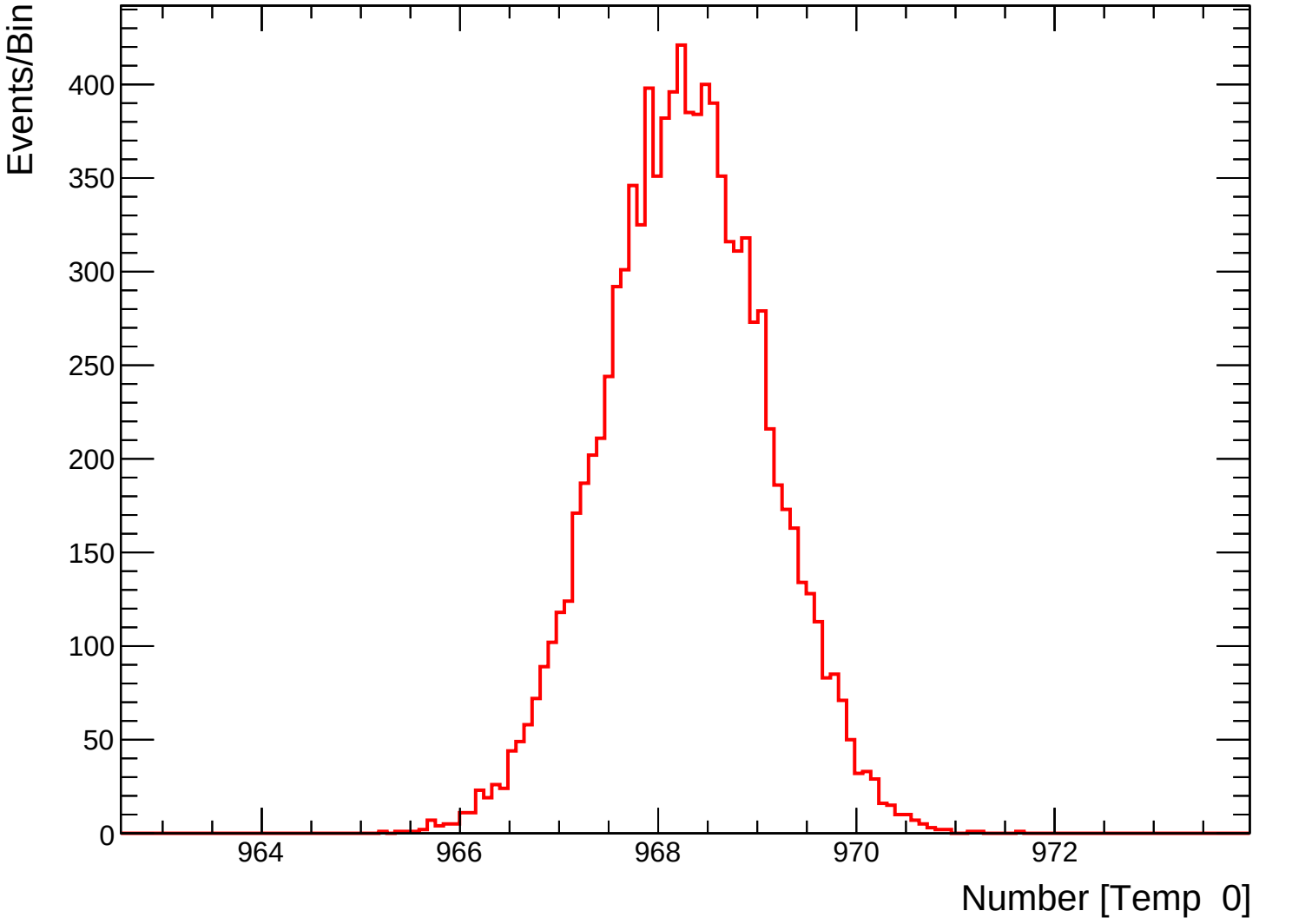

Time 34 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1037.8 ± 32.7)
e⁻+π⁻ (53.7 ± 8.6)
χ² 0.85
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

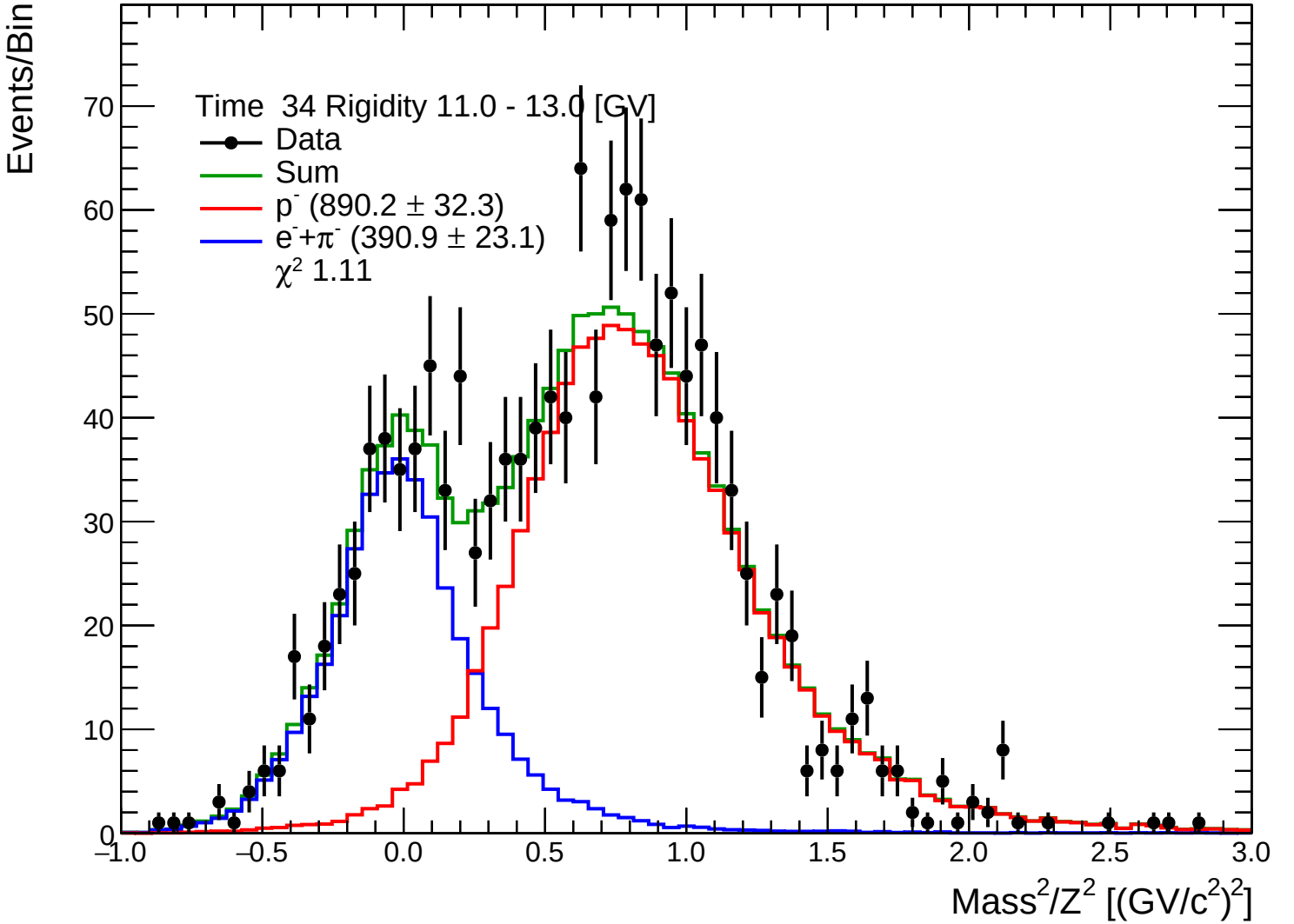

Events/Bin
400
350
300
250
200
150
100
50
0
1034
1035
1036
1037
1038
1039
1040
1041
Number [Temp 0]

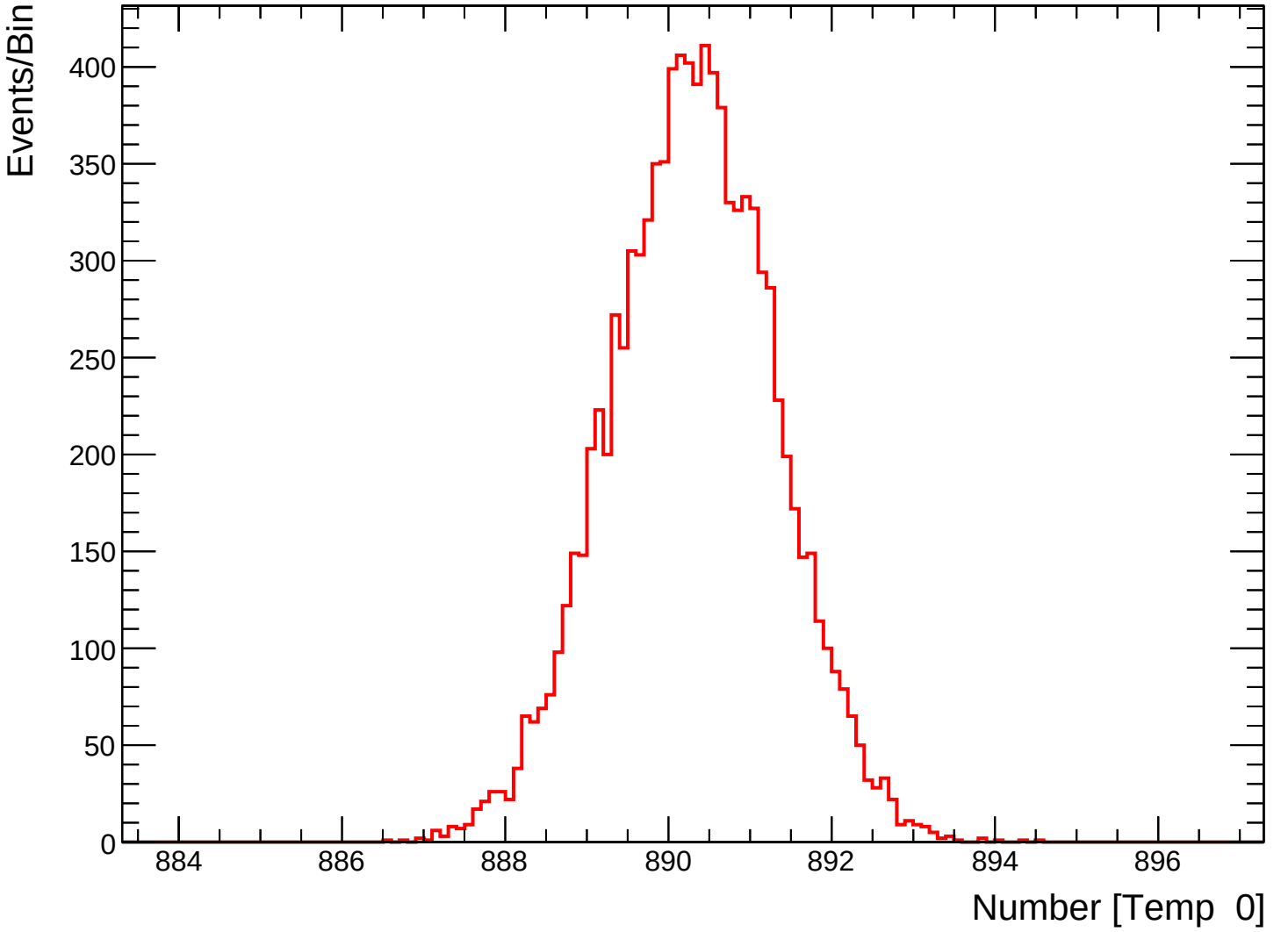

Time 34 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1047.6 ± 33.2)
e⁻+π⁻ (300.0 ± 18.6)
χ² 1.05
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

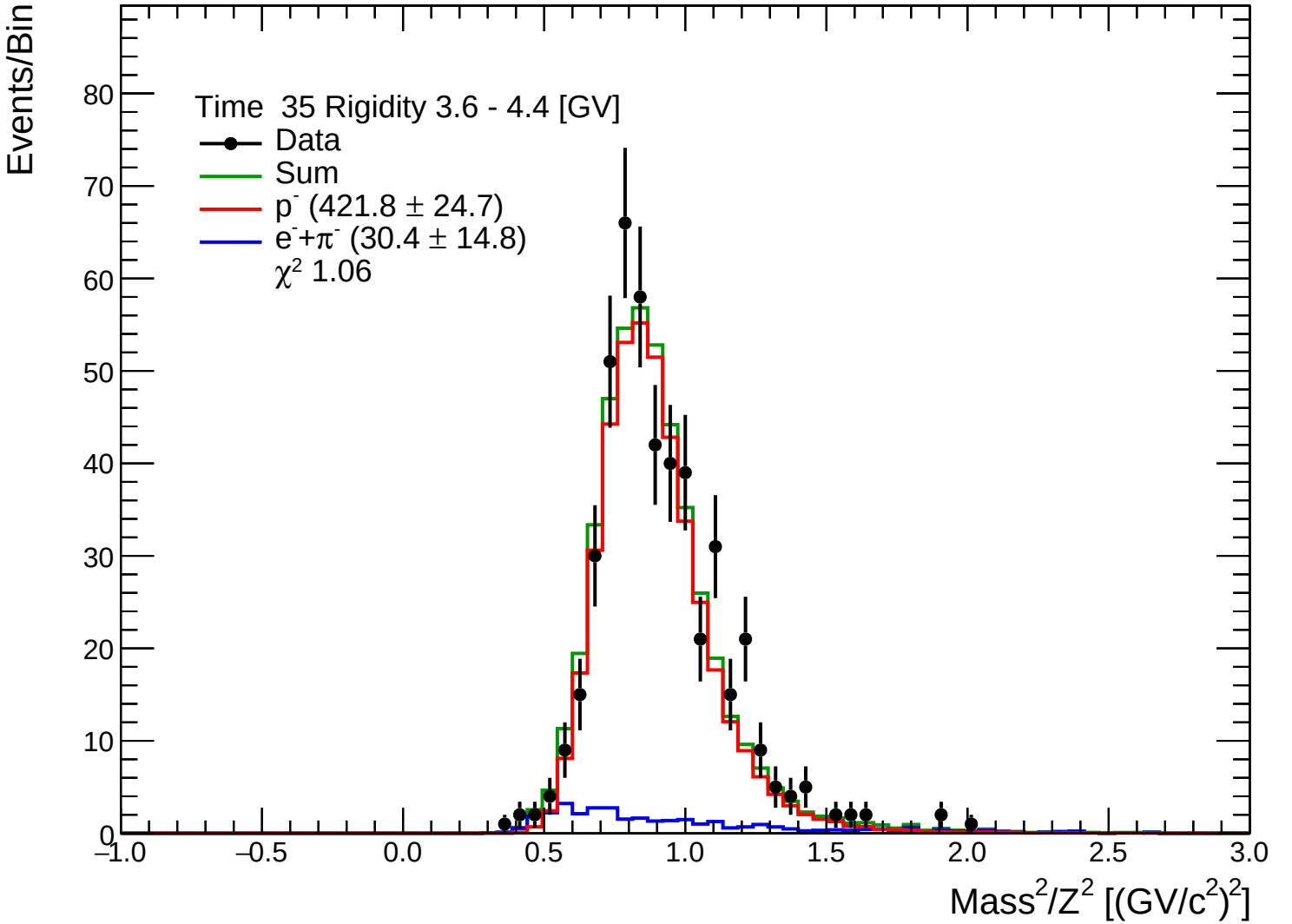

Events/Bin
400
350
300
250
200
150
100
50
0
1044
1046
1048
1050
1052
Number [Temp 0]

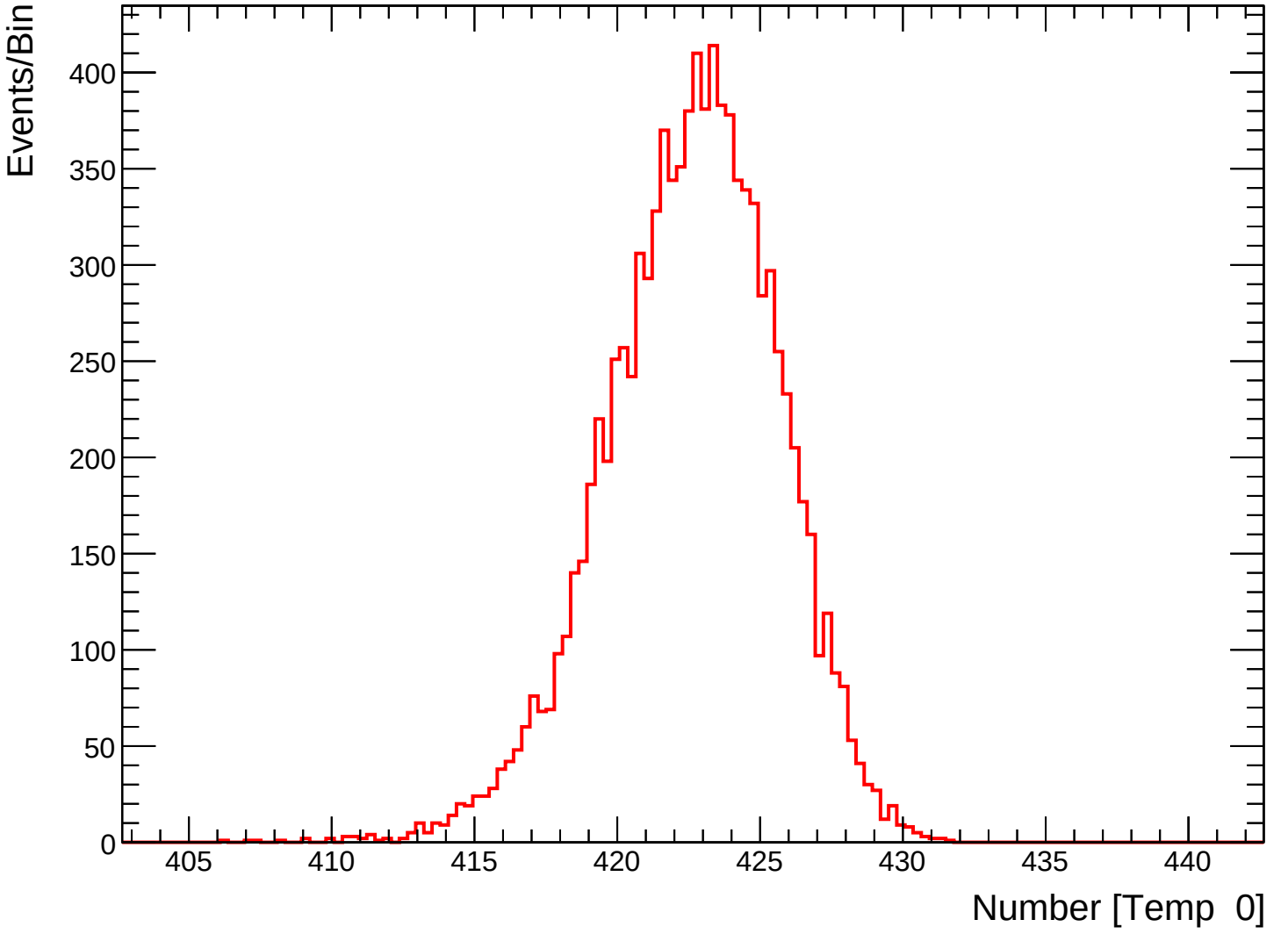

Events/Bin
Time 34 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (968.2 ± 32.6)
e⁻+π⁻ (457.1 ± 23.3)
χ² 1.21
Mass²/Z² [(GV/c²)²]

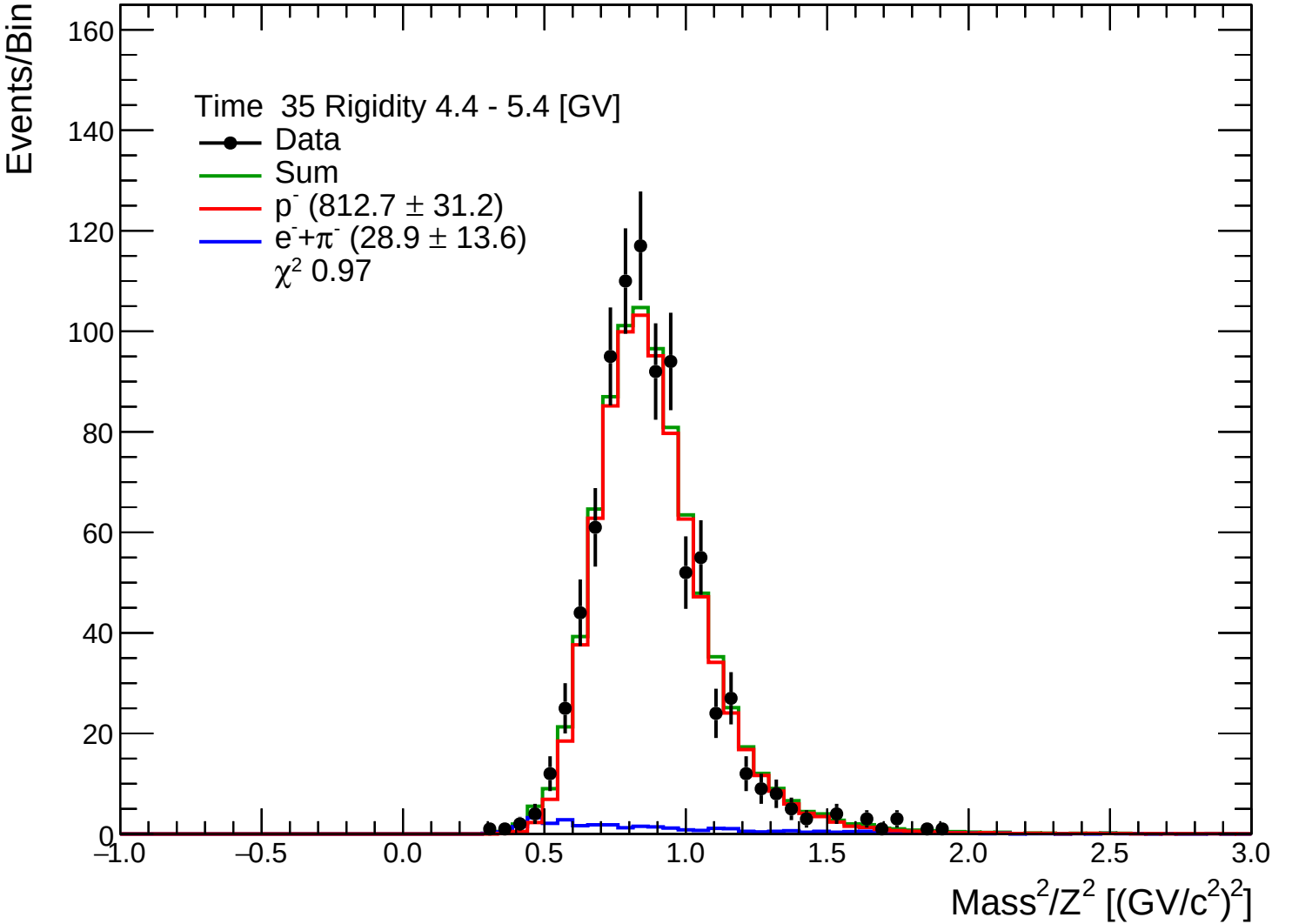

Events/Bin
400
350
300
250
200
150
100
50
0
964
966
968
970
972
Number [Temp 0]

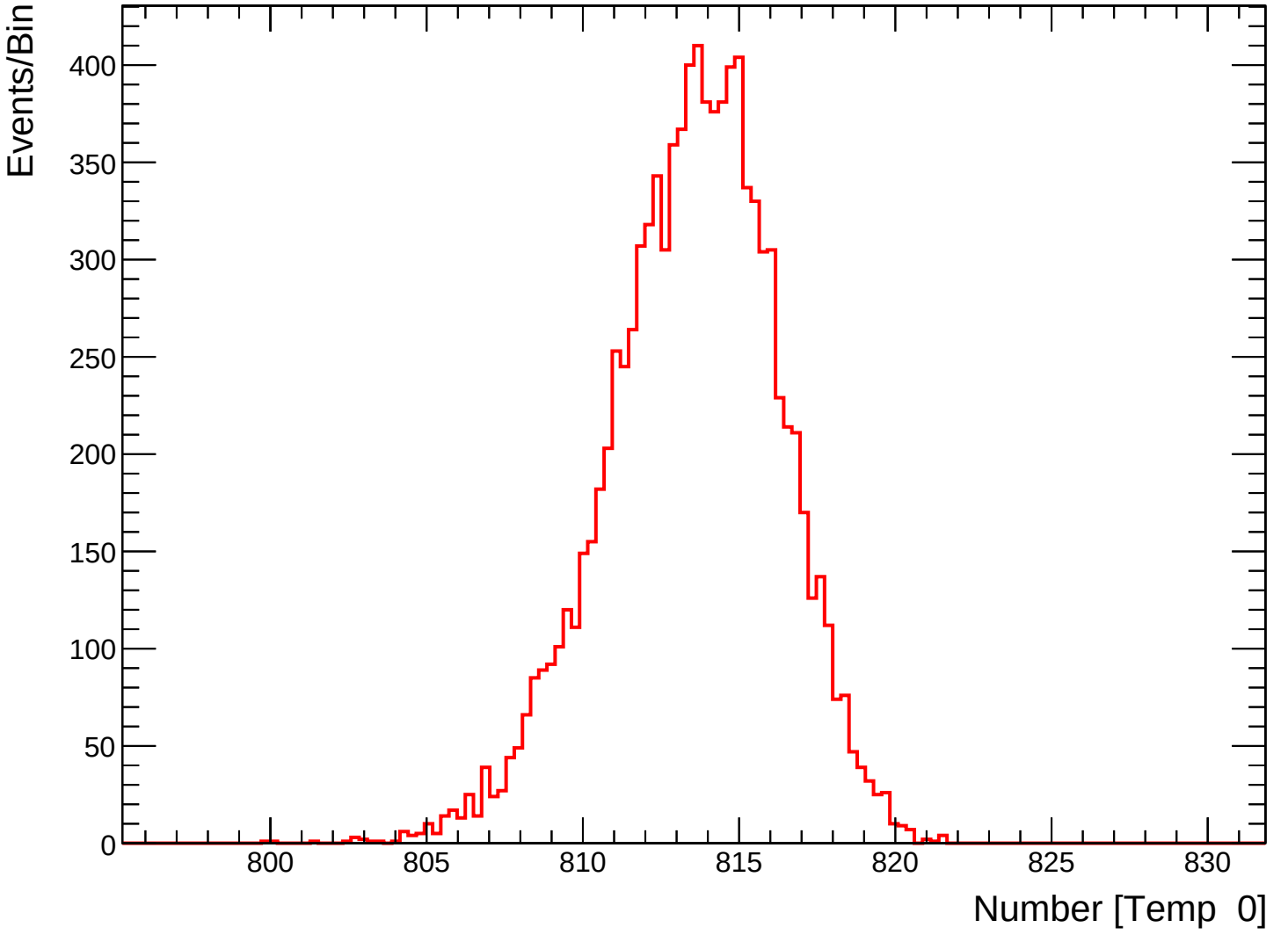

Time 34 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (890.2 ± 32.3)
e⁻+π⁻ (390.9 ± 23.1)
χ² 1.11
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

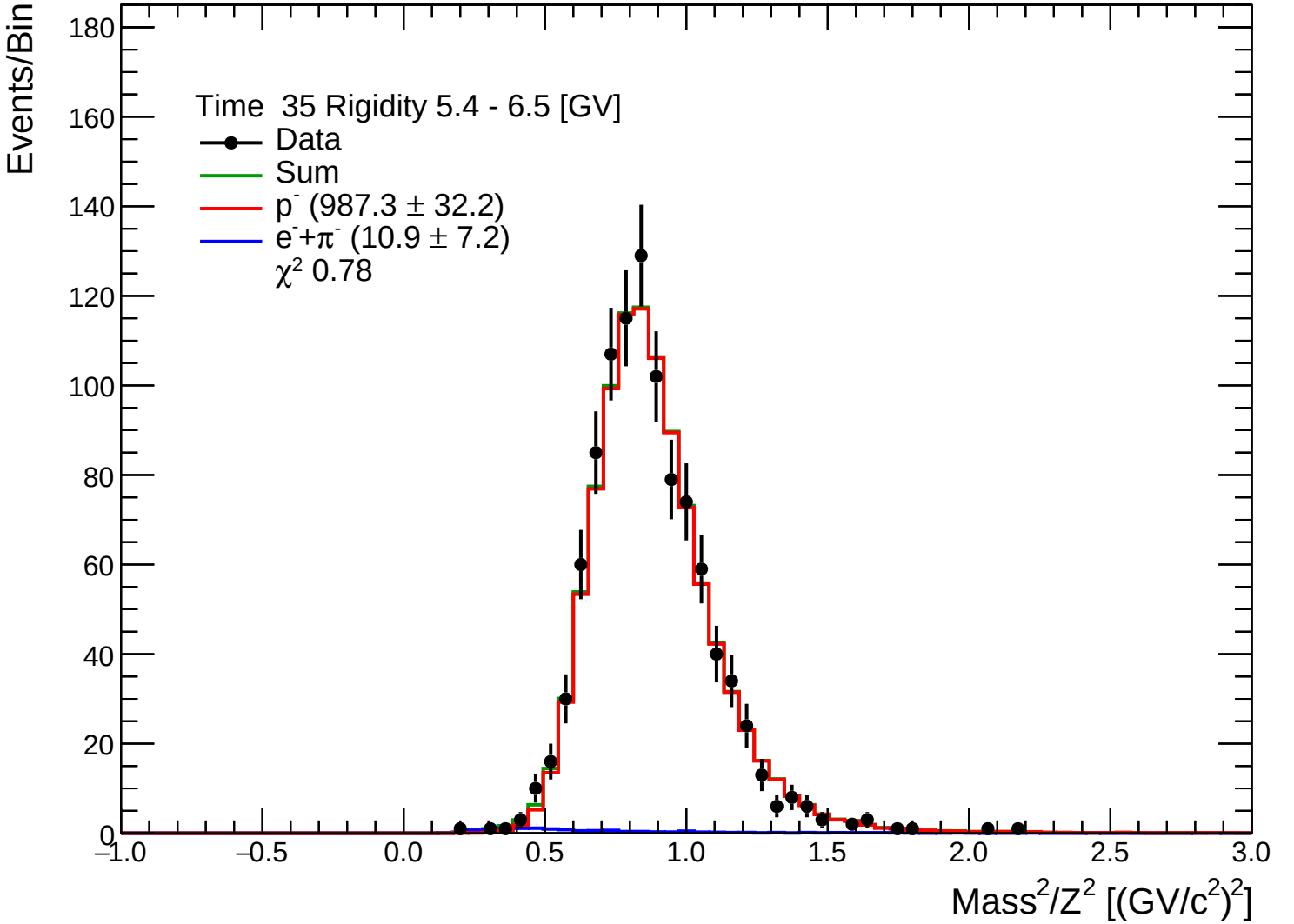

Events/Bin
400
350
300
250
200
150
100
50
0
884
886
888
890
892
894
896
Number [Temp 0]

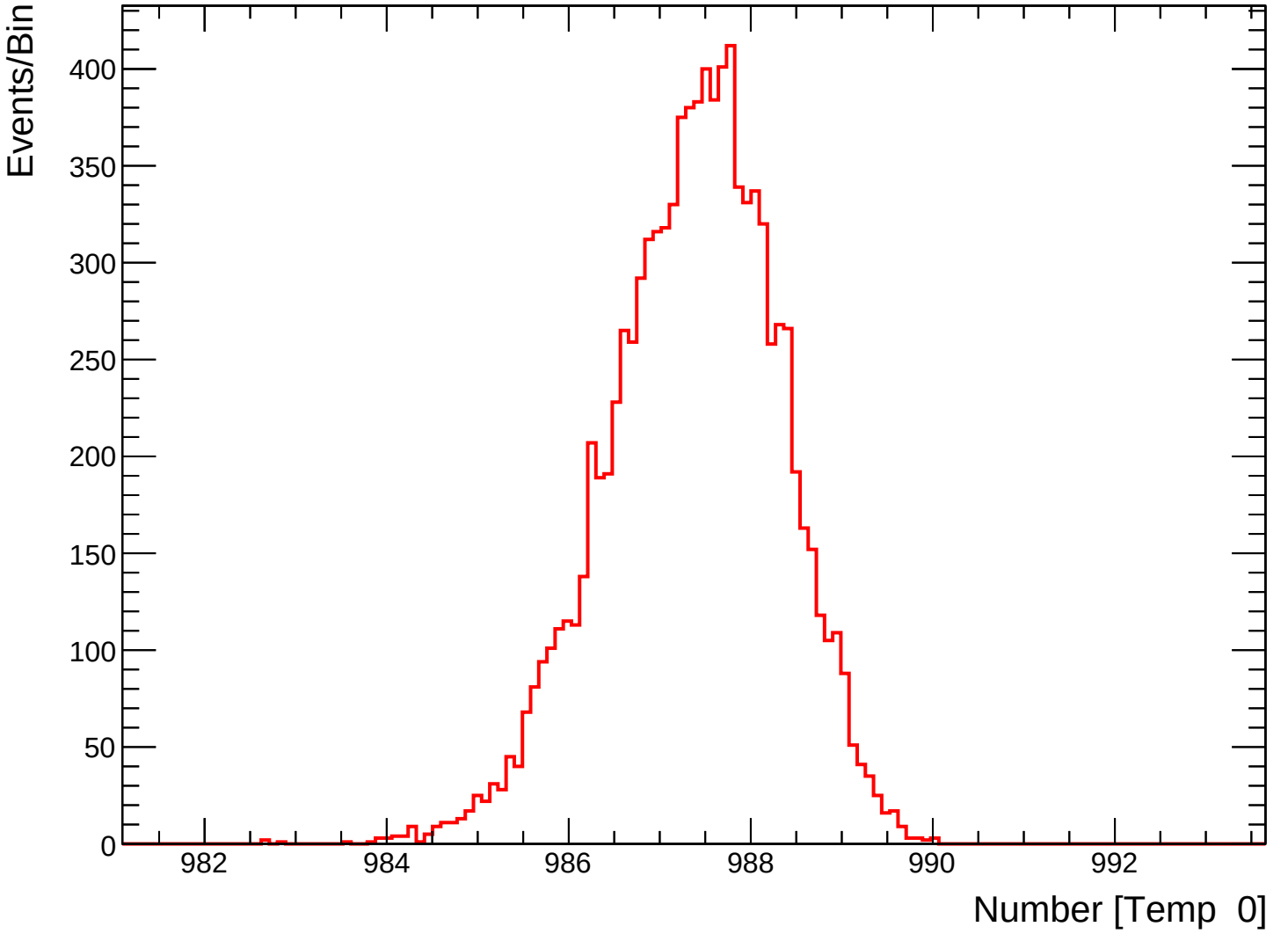

Time 35 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (421.8 ± 24.7)
e⁻+π⁻ (30.4 ± 14.8)
χ² 1.06
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

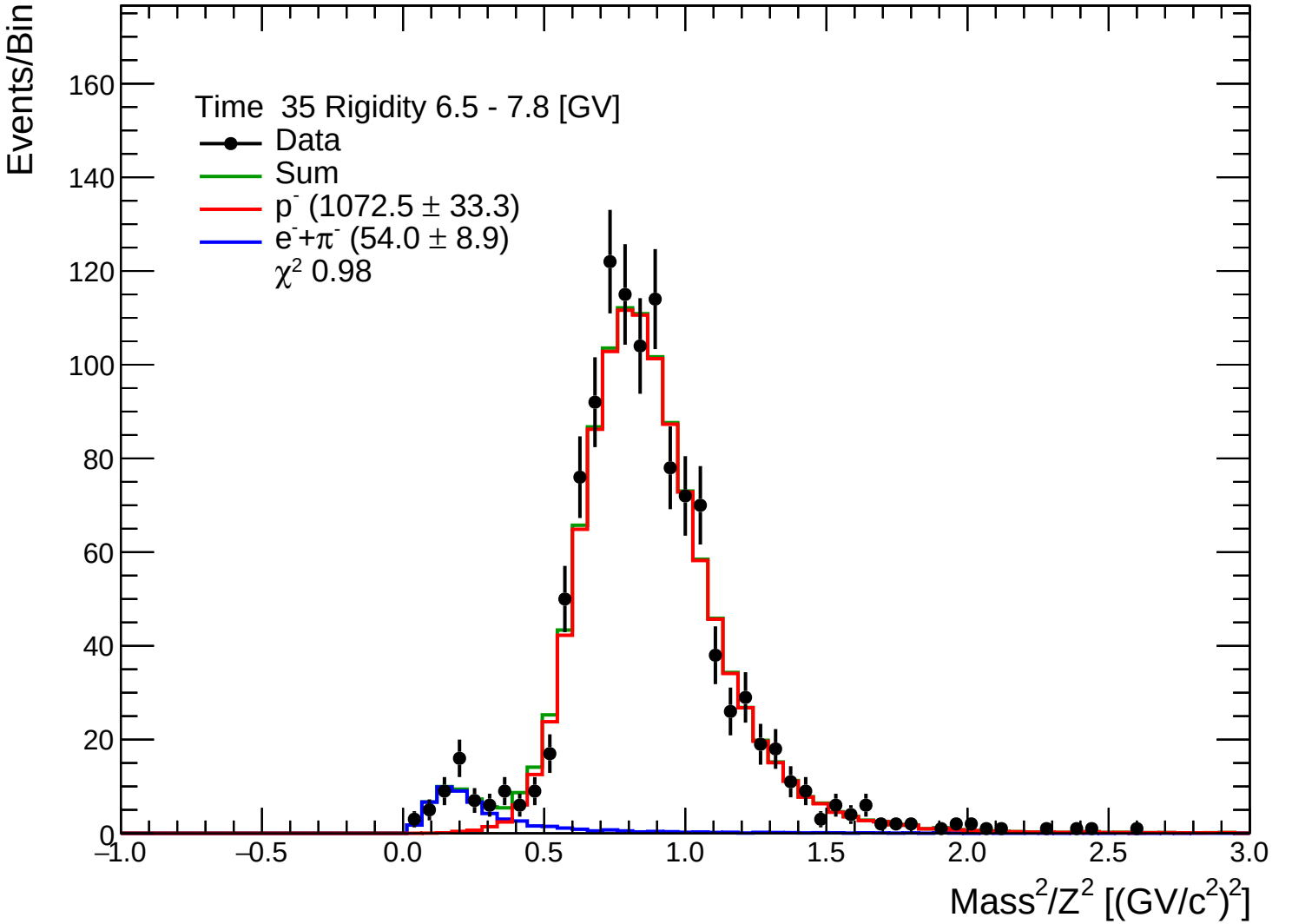

Events/Bin
400
350
300
250
200
150
100
50
0
405
410
415
420
425
430
435
440
Number [Temp 0]

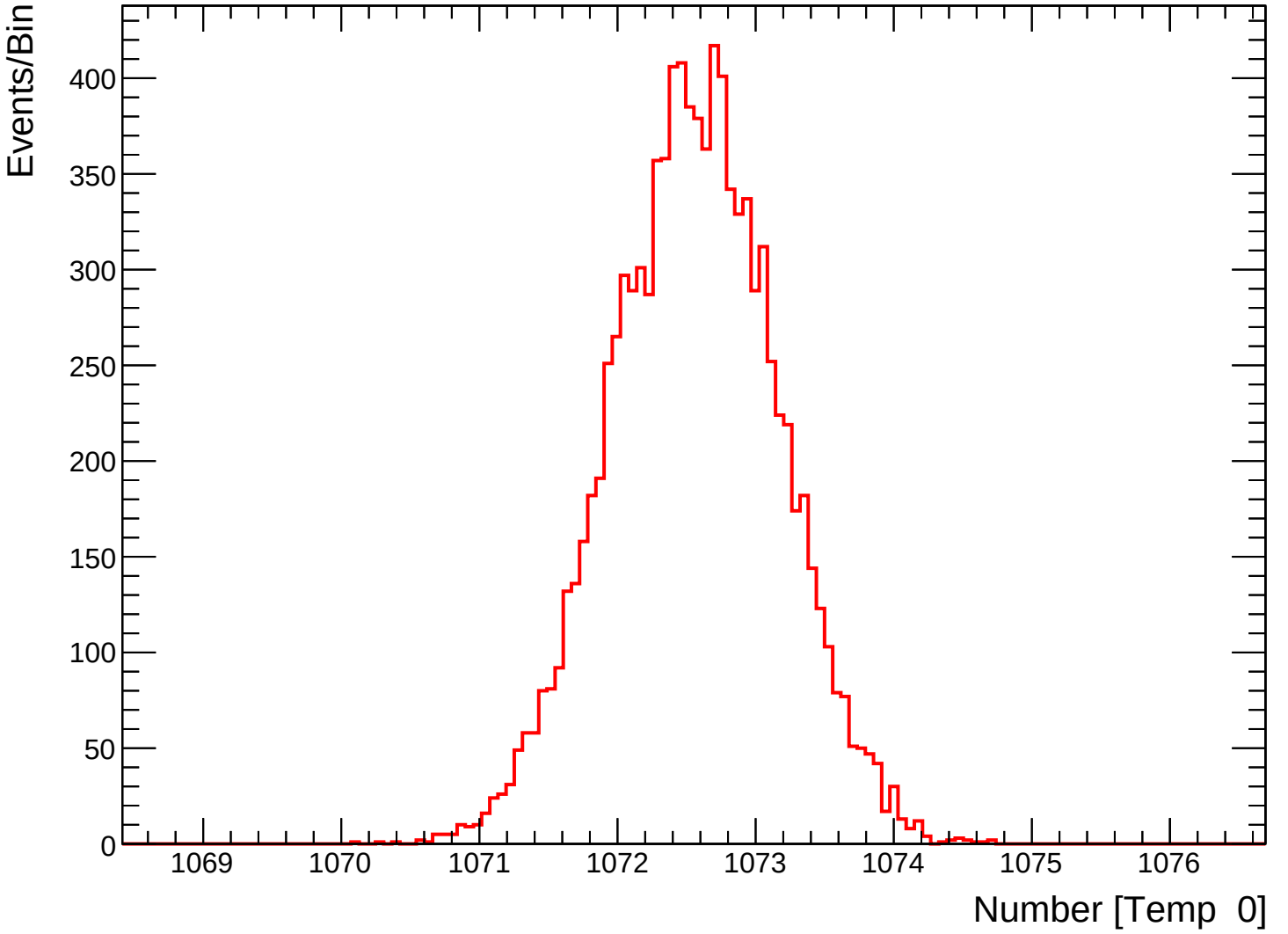

Time 35 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (812.7 ± 31.2)
e⁻+π⁻ (28.9 ± 13.6)
χ² 0.97
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

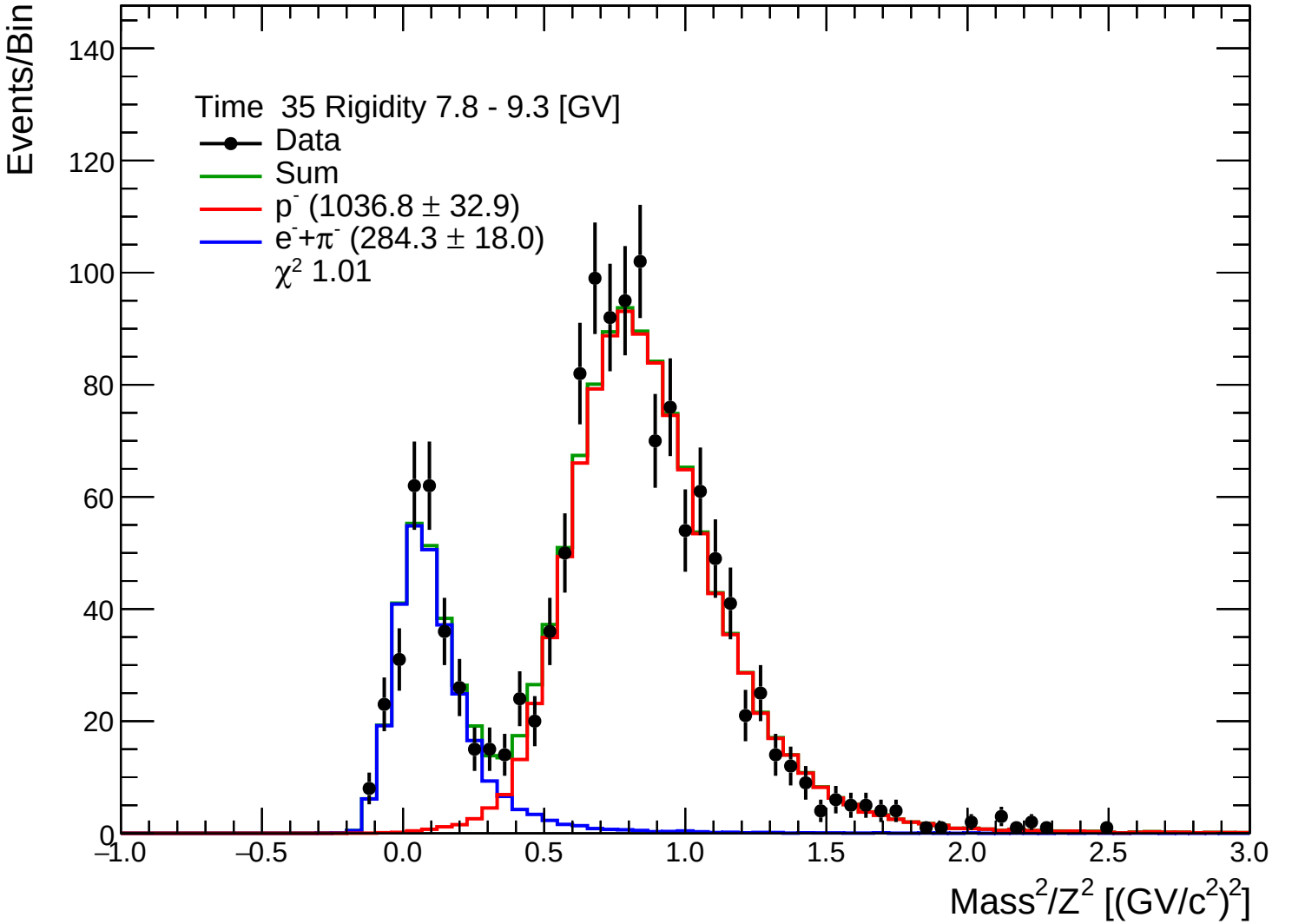

Events/Bin
400
350
300
250
200
150
100
50
0
800
805
810
815
820
825
830
Number [Temp 0]

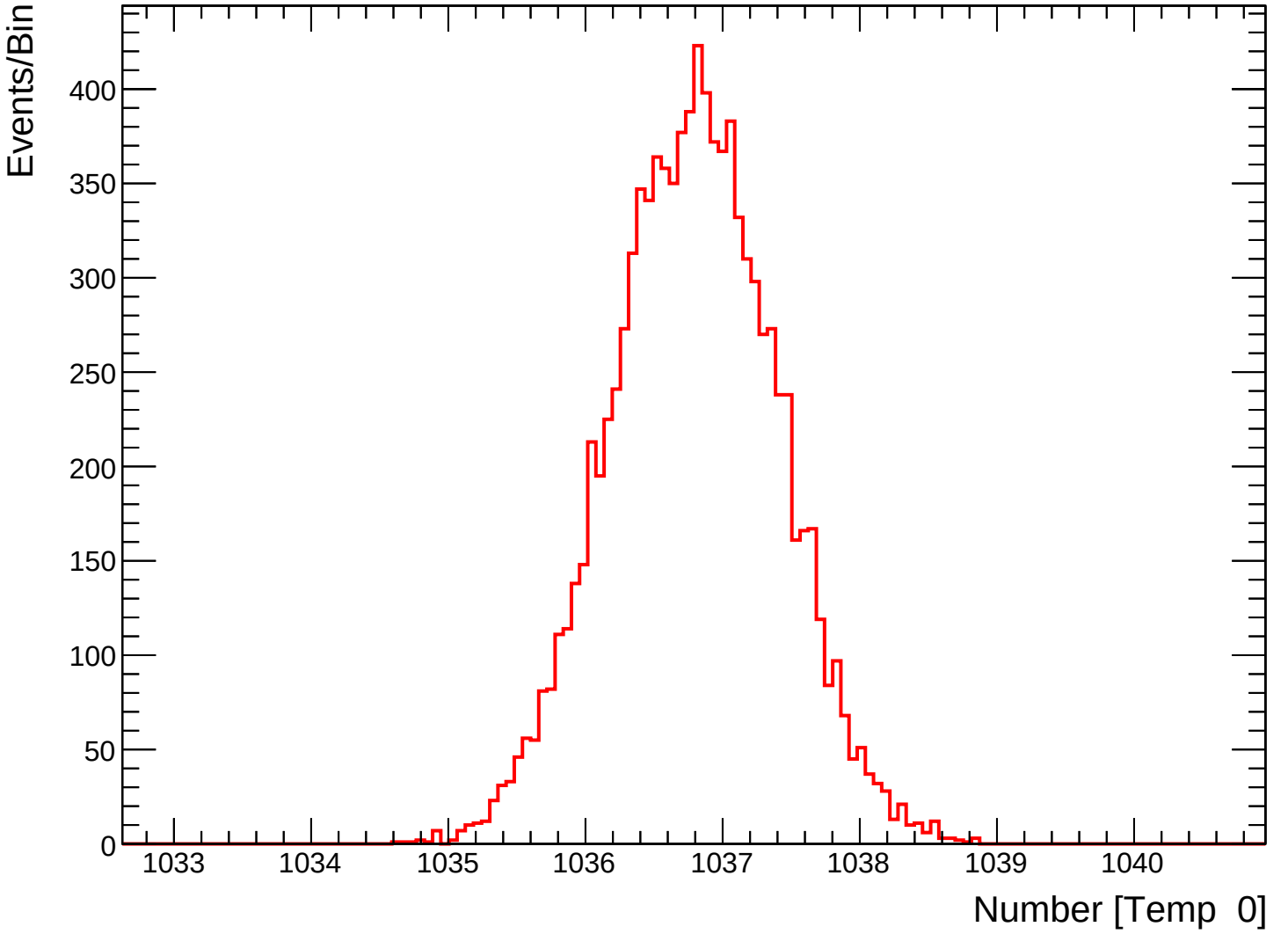

Time 35 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (987.3 ± 32.2)
e⁻+π⁻ (10.9 ± 7.2)
χ² 0.78
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

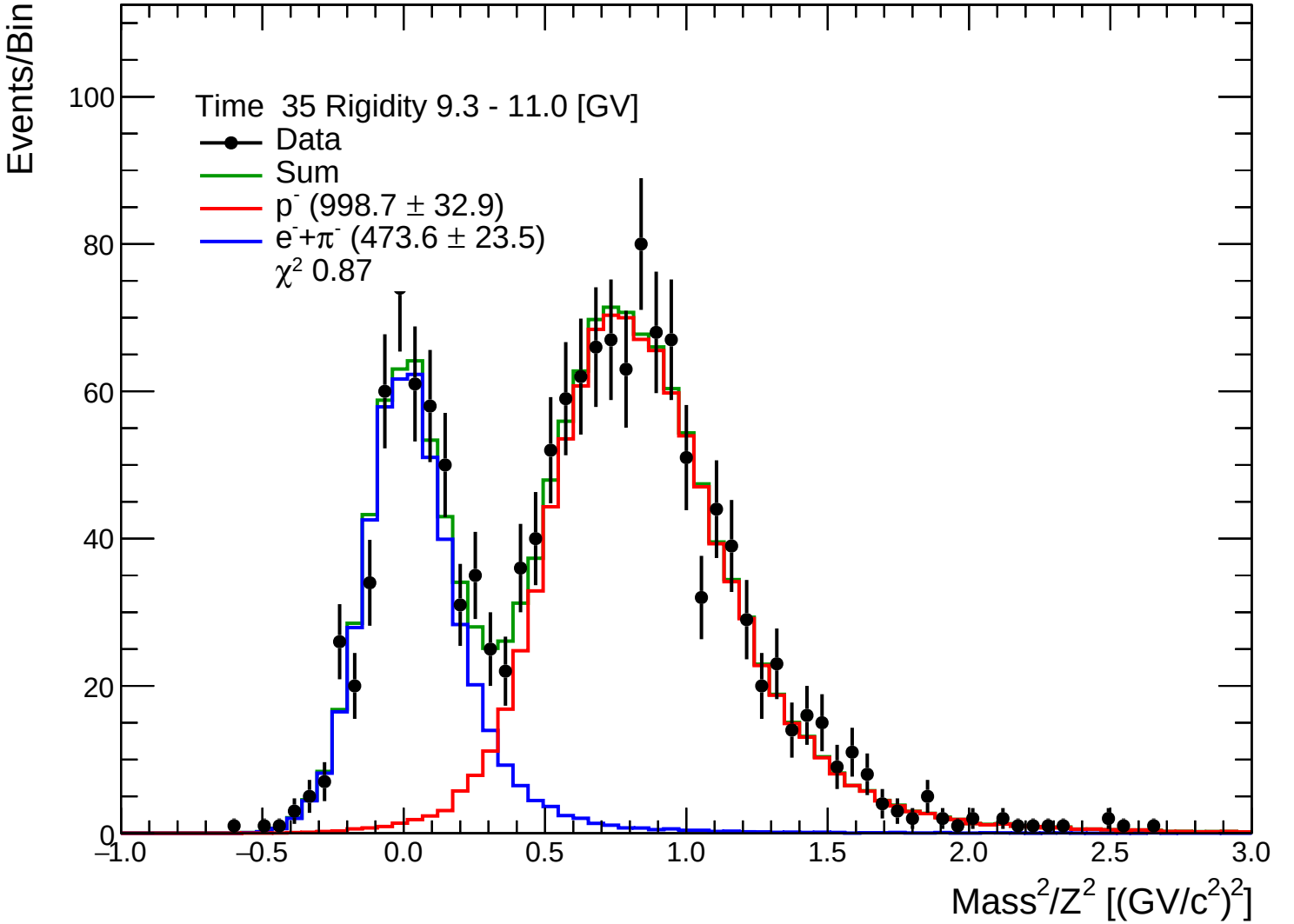

Events/Bin
400
350
300
250
200
150
100
50
0
982
984
986
988
990
992
Number [Temp 0]

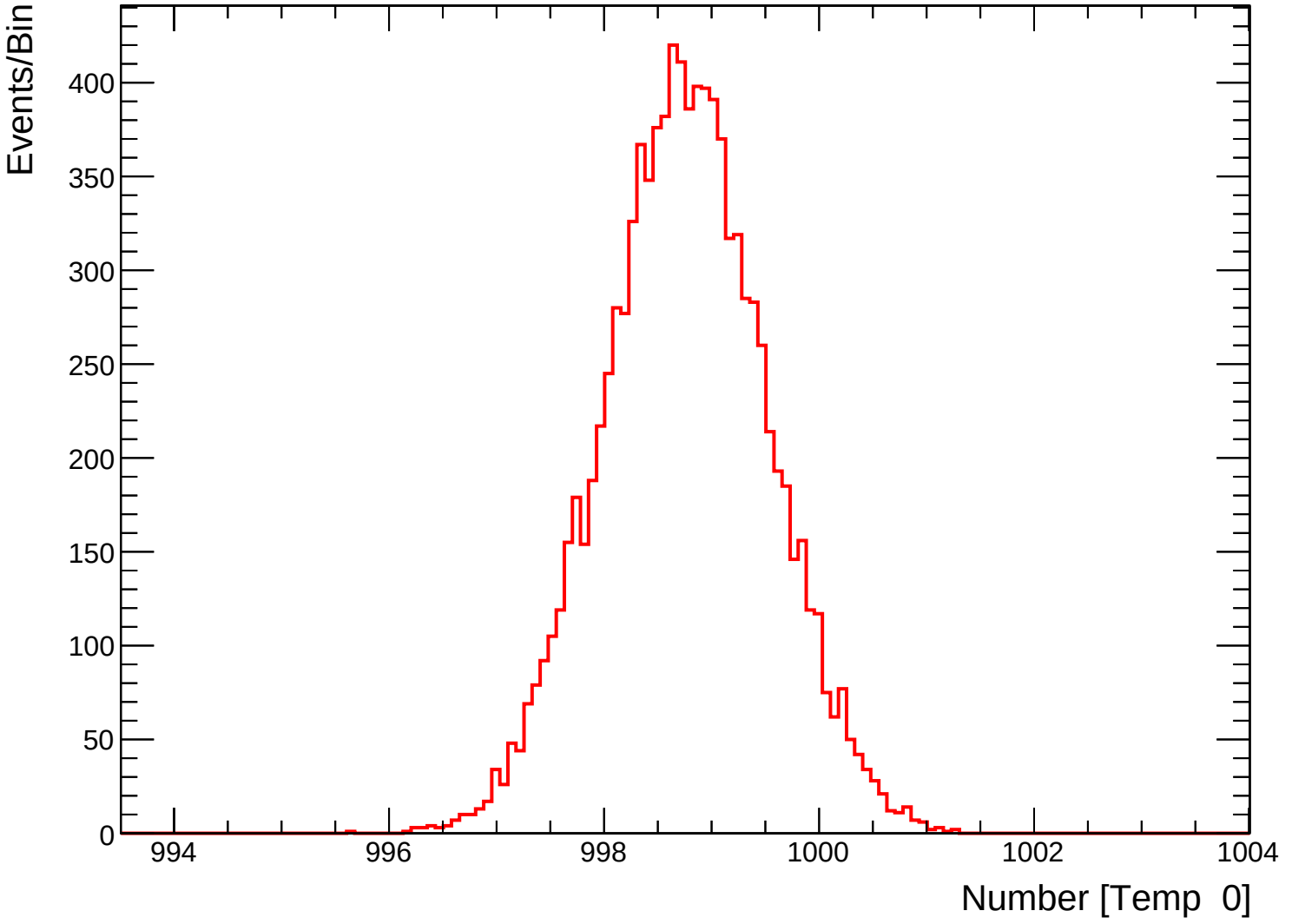

Time 35 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1072.5 ± 33.3)
e⁻+π⁻ (54.0 ± 8.9)
χ² 0.98
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

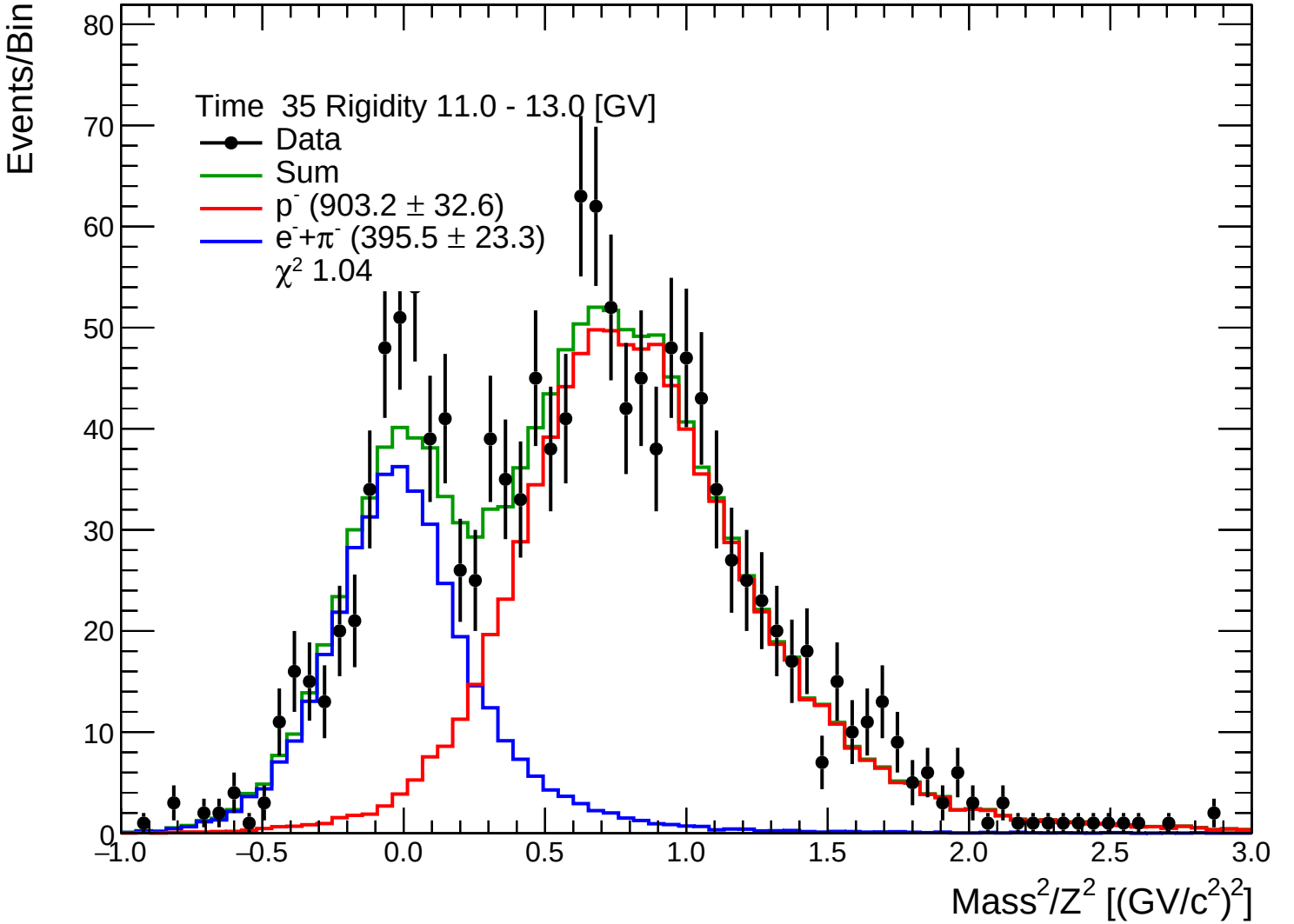

Events/Bin
400
350
300
250
200
150
100
50
0
1069
1070
1071
1072
1073
1074
1075
1076
Number [Temp 0]

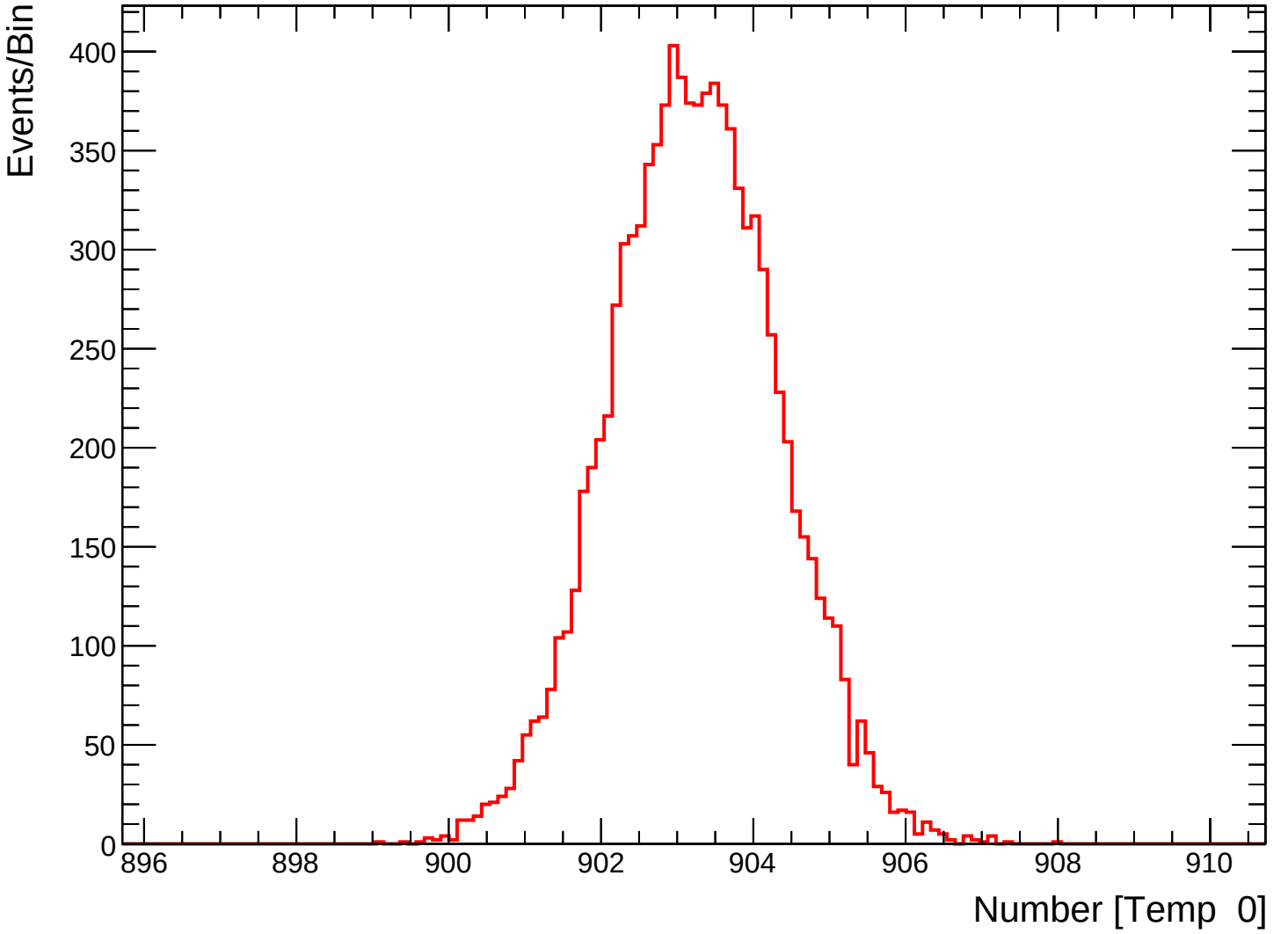

Time 35 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1036.8 ± 32.9)
e⁻+π⁻ (284.3 ± 18.0)
χ² 1.01
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

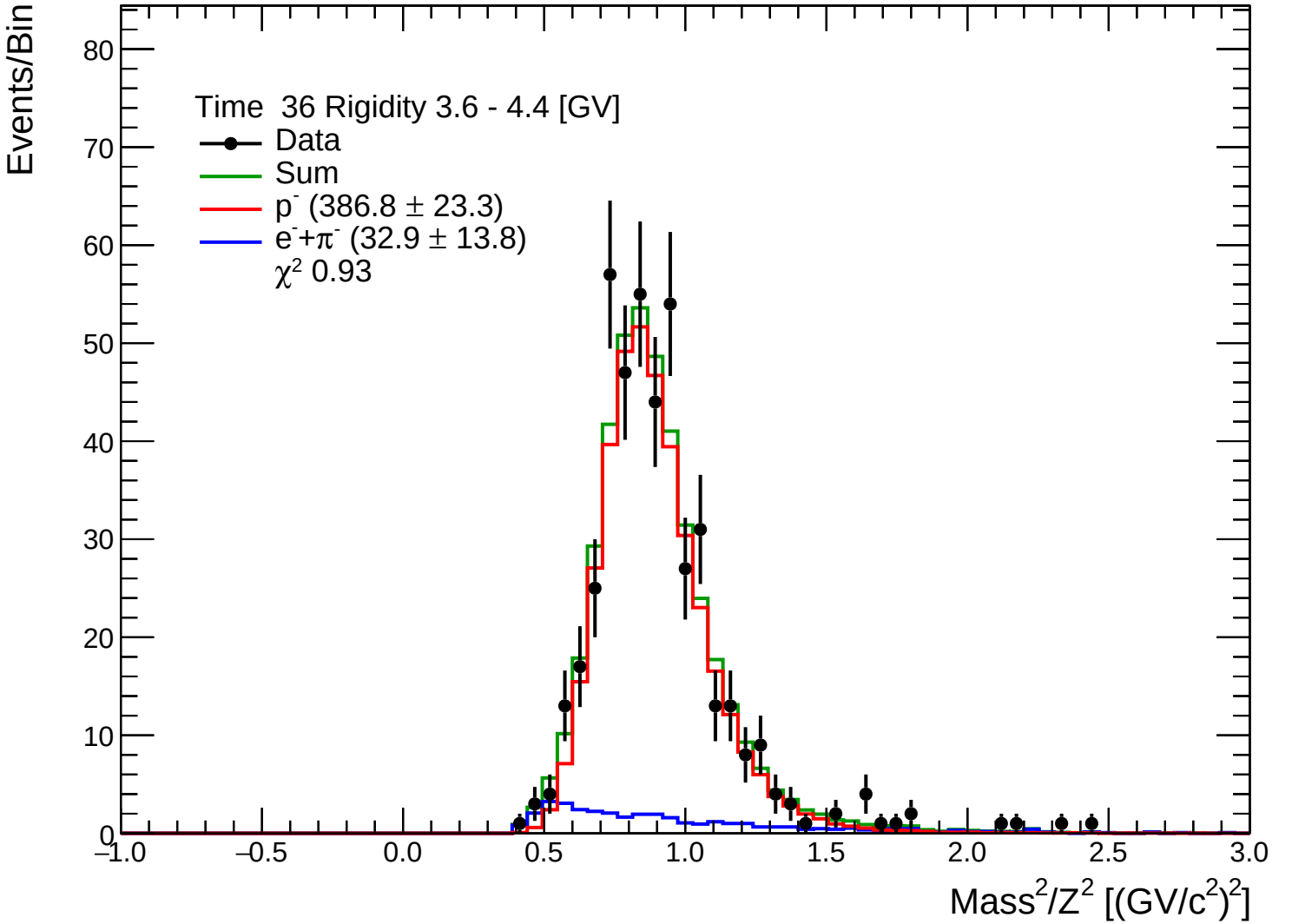

Events/Bin
400
350
300
250
200
150
100
50
0
1033
1034
1035
1036
1037
1038
1039
1040
Number [Temp 0]

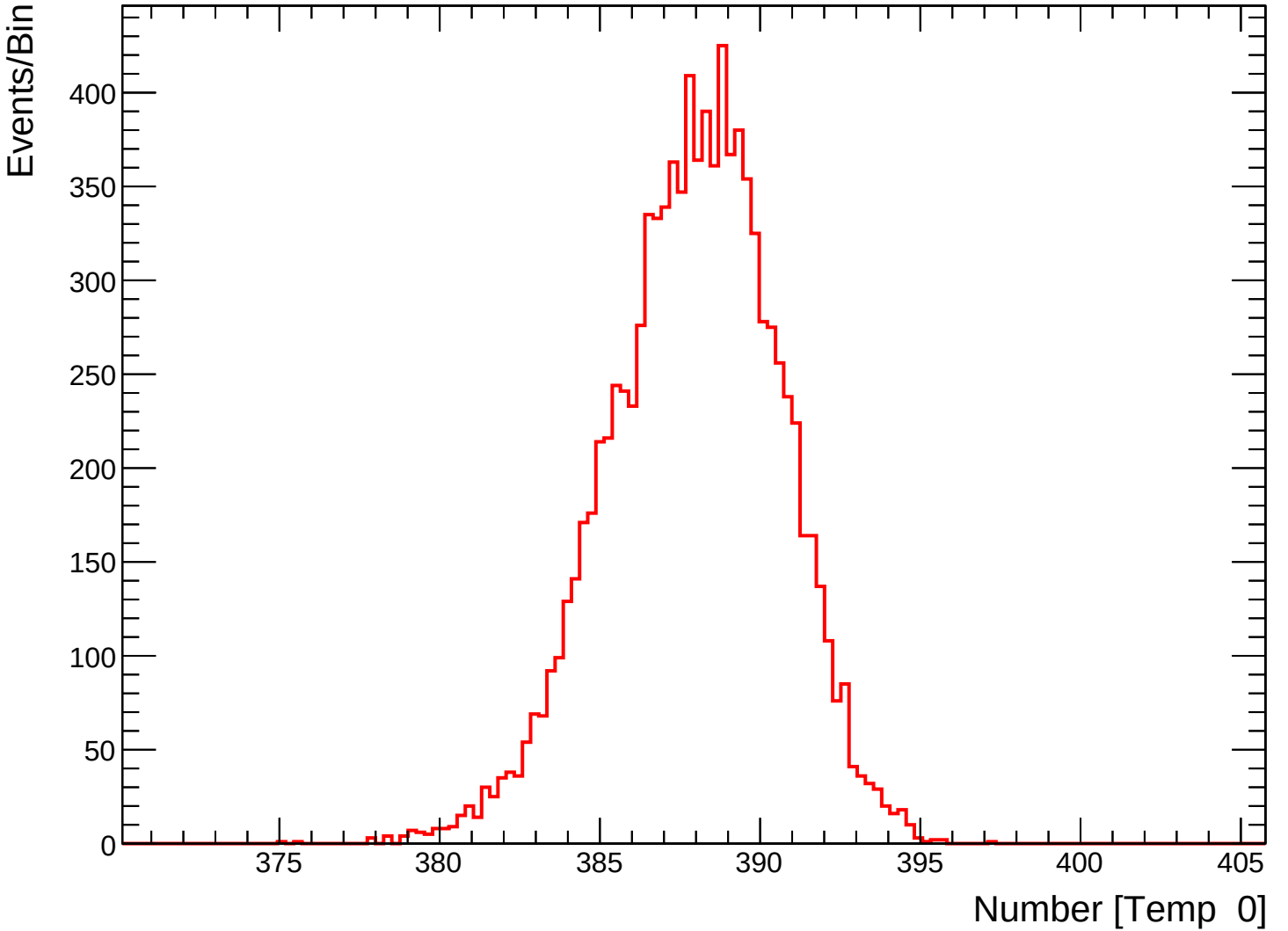

Events/Bin
Time 35 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (998.7 ± 32.9)
e⁻+π⁻ (473.6 ± 23.5)
χ² 0.87
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Mass²/Z² [(GV/c²)²]

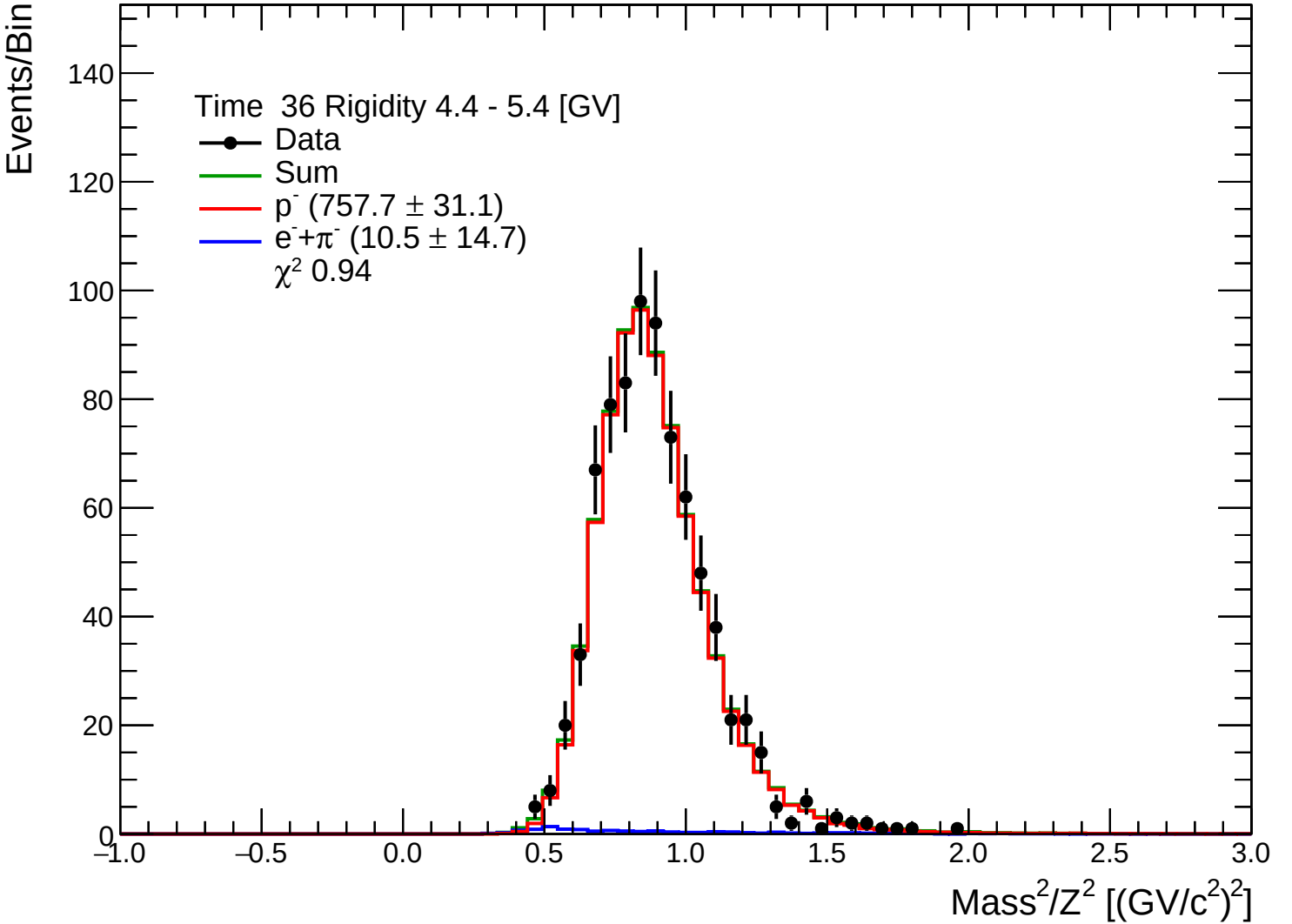

Events/Bin
400
350
300
250
200
150
100
50
0
994
996
998
1000
1002
1004
Number [Temp 0]

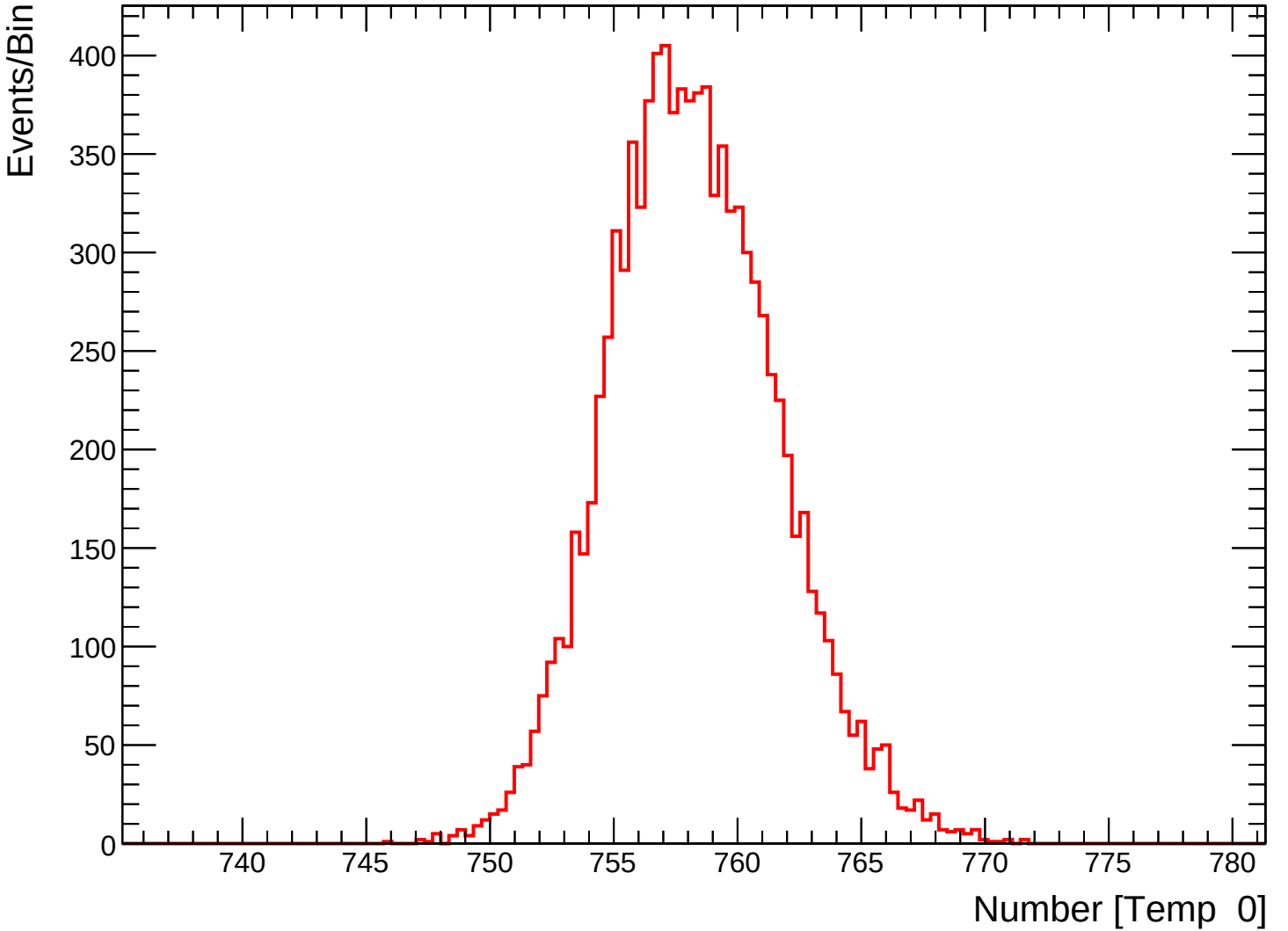

Time 35 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (903.2 ± 32.6)
e⁻+π⁻ (395.5 ± 23.3)
χ² 1.04
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

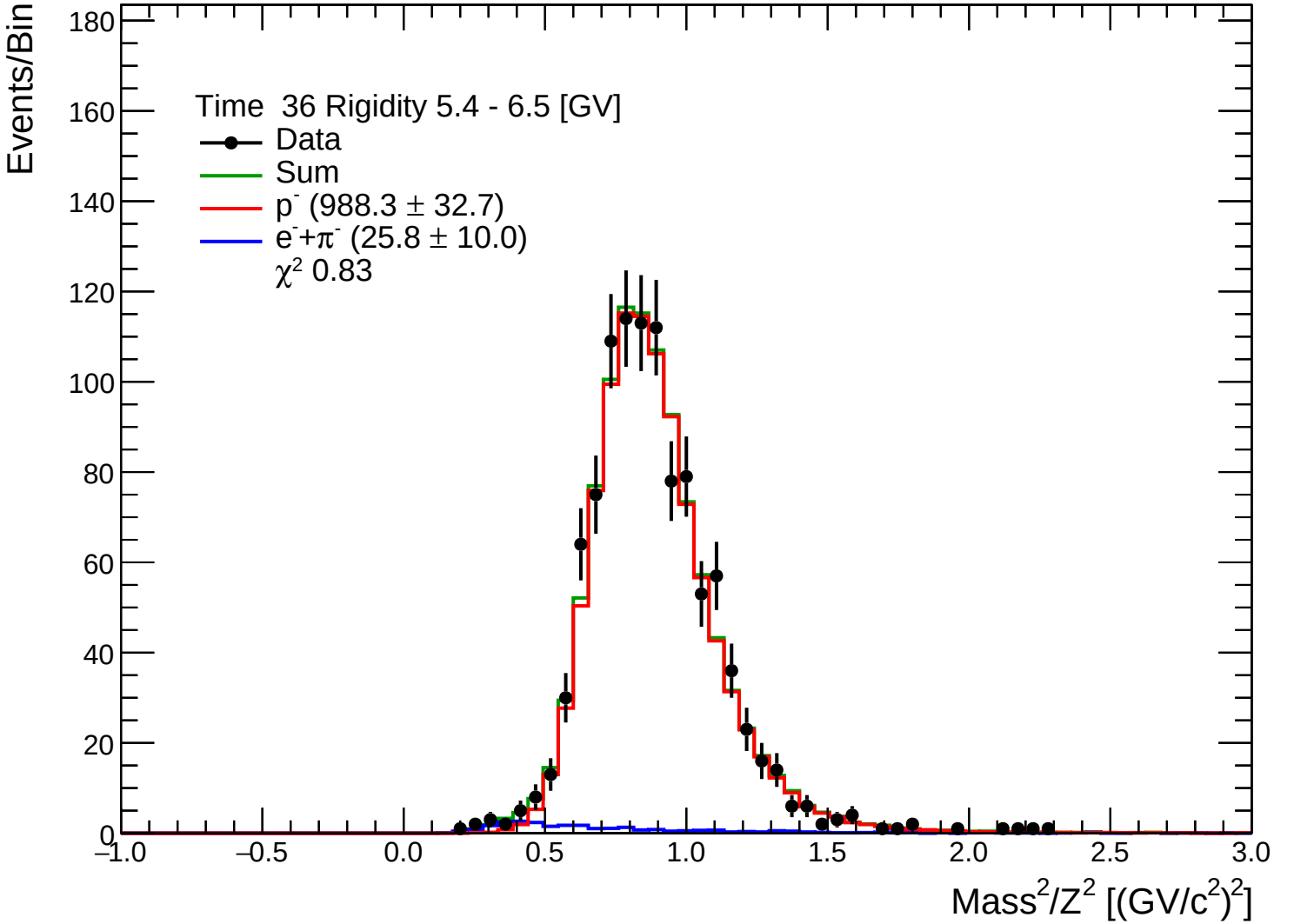

Events/Bin
400
350
300
250
200
150
100
50
0
896
898
900
902
904
906
908
910
Number [Temp 0]

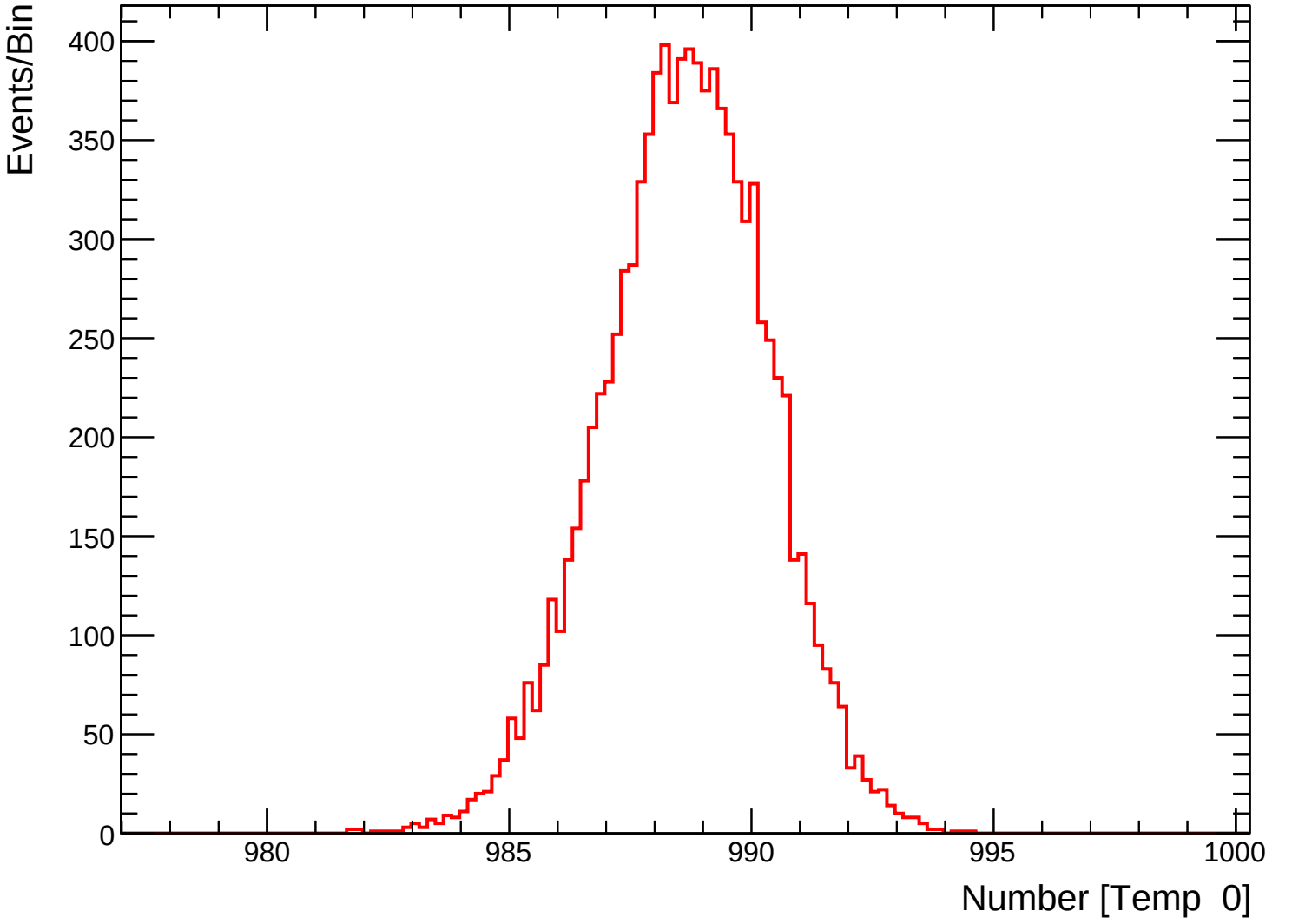

Time 36 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (386.8 ± 23.3)
e⁻+π⁻ (32.9 ± 13.8)
χ² 0.93
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

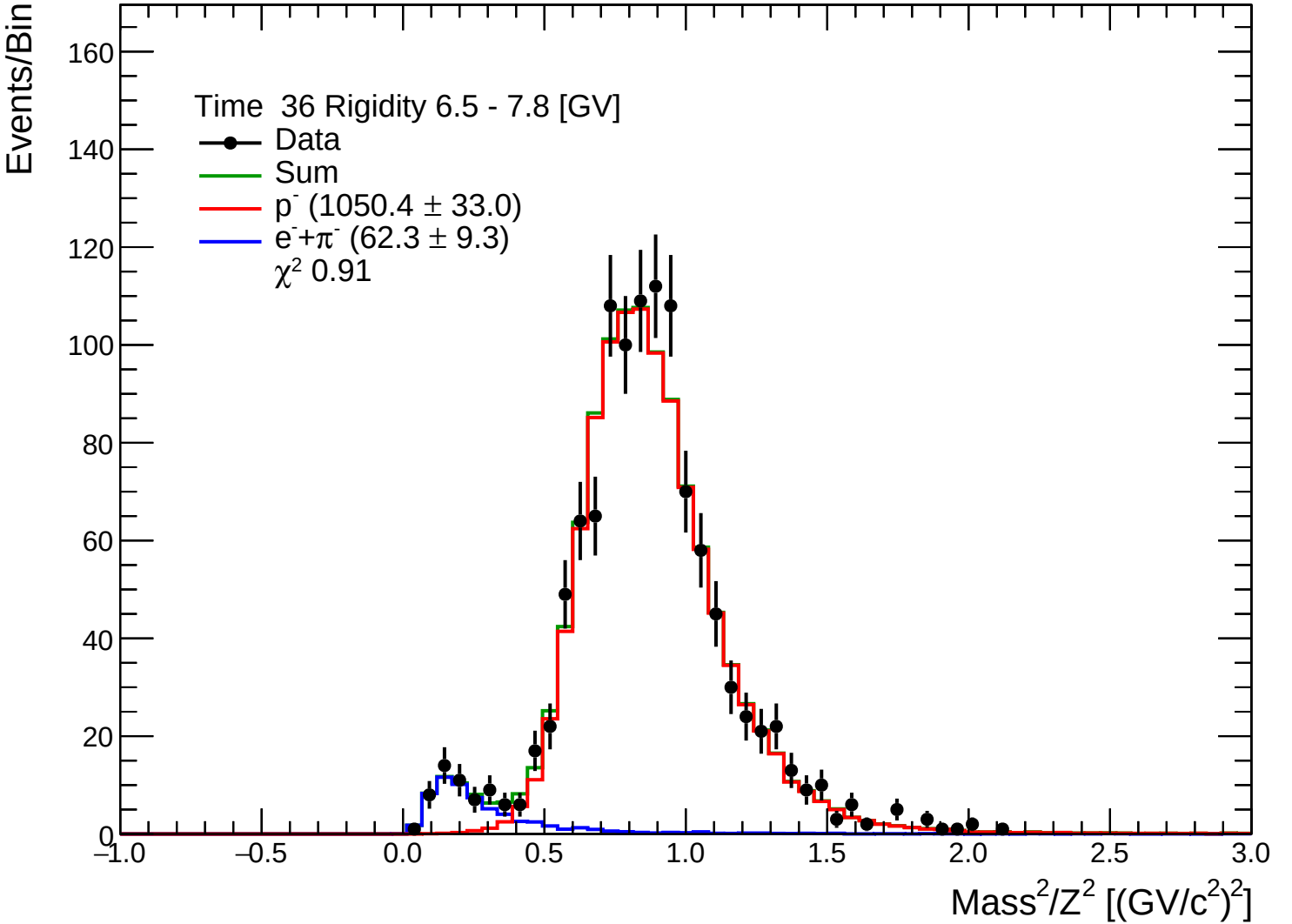

Events/Bin
0
50
100
150
200
250
300
350
400
375
380
385
390
395
400
405
Number [Temp 0]

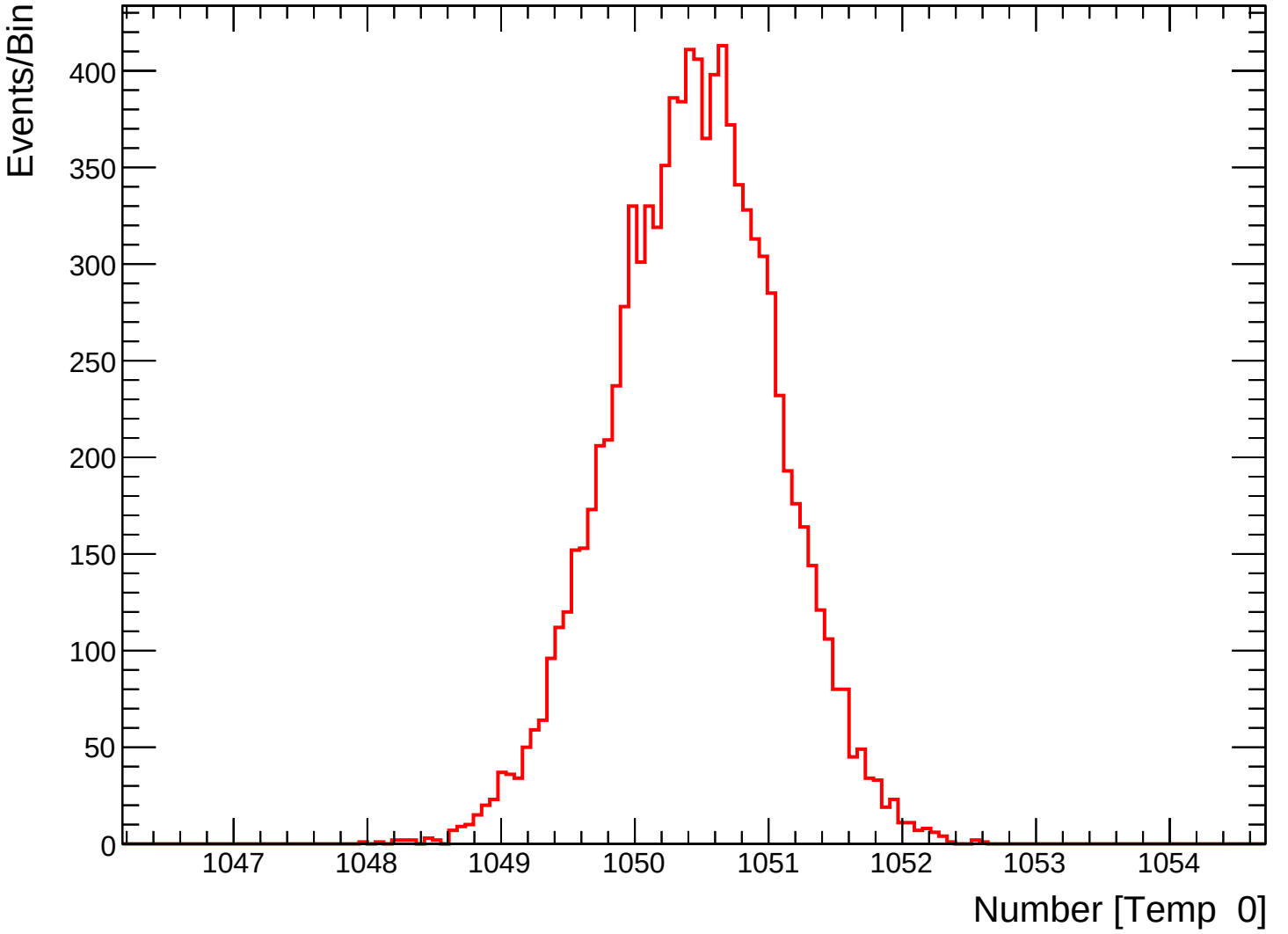

Time 36 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (757.7 ± 31.1)
e⁻+π⁻ (10.5 ± 14.7)
χ² 0.94
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

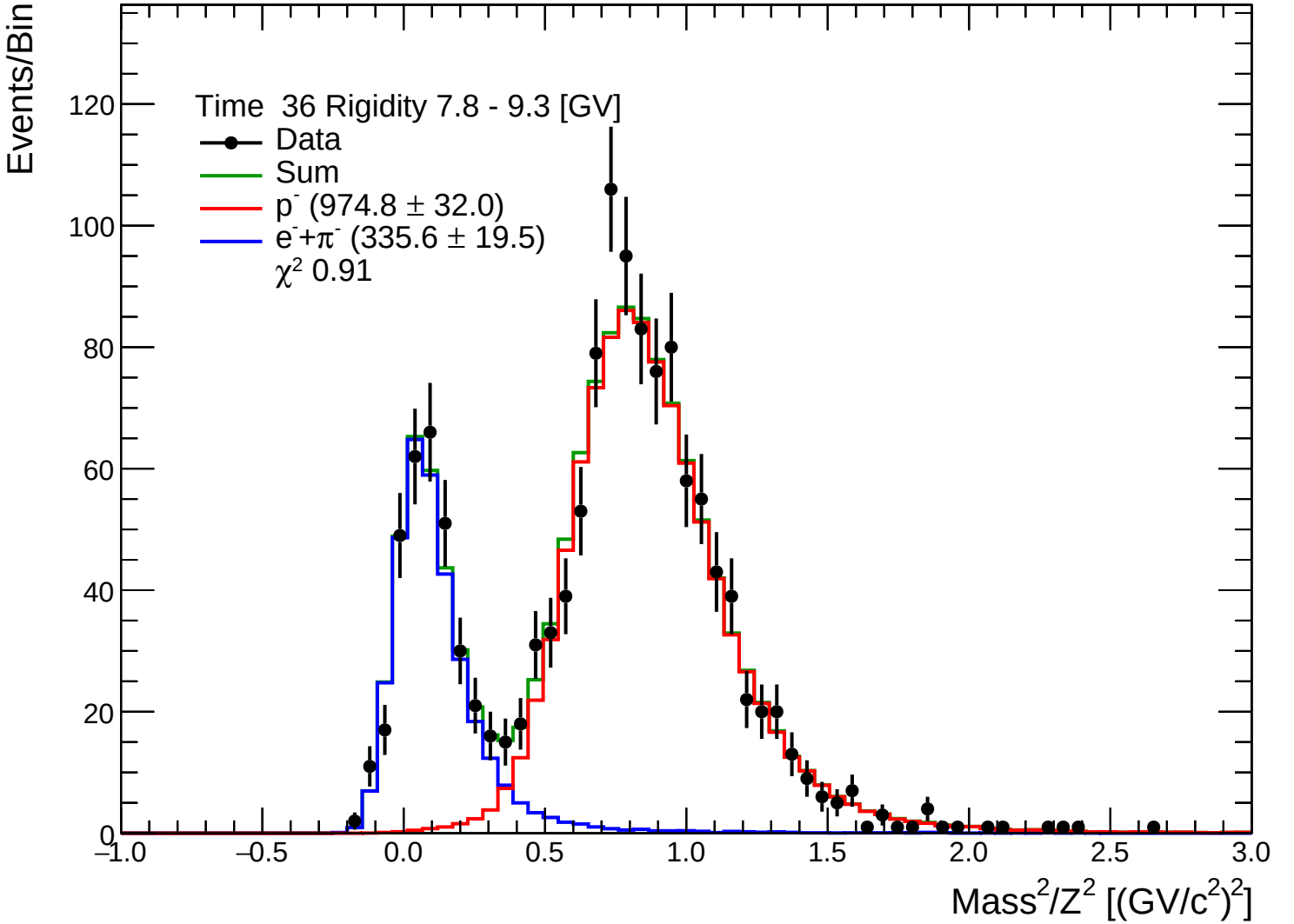

Events/Bin
400
350
300
250
200
150
100
50
0
740
745
750
755
760
765
770
775
780
Number [Temp 0]

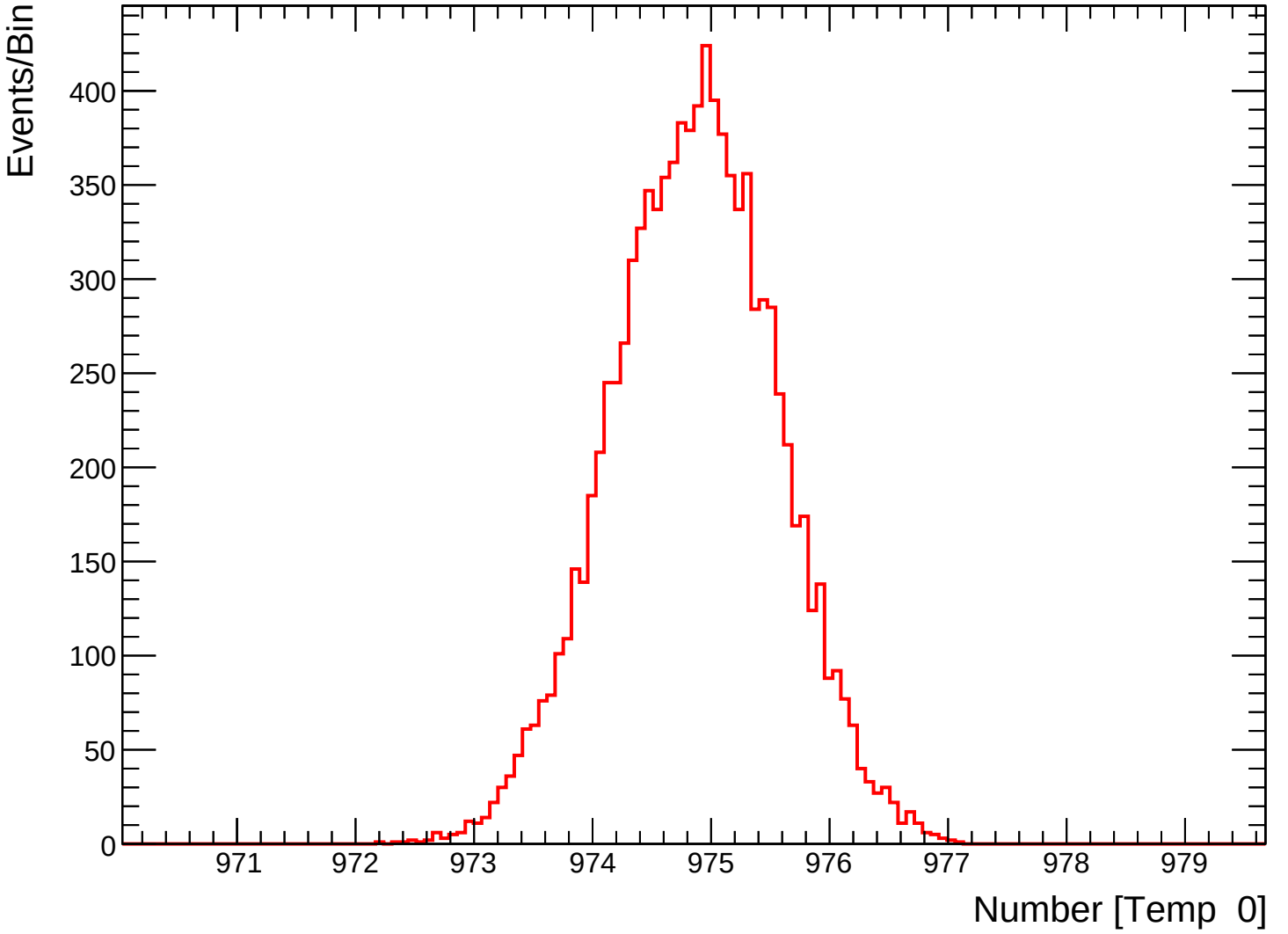

Time 36 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (988.3 ± 32.7)
e⁻+π⁻ (25.8 ± 10.0)
χ² 0.83
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

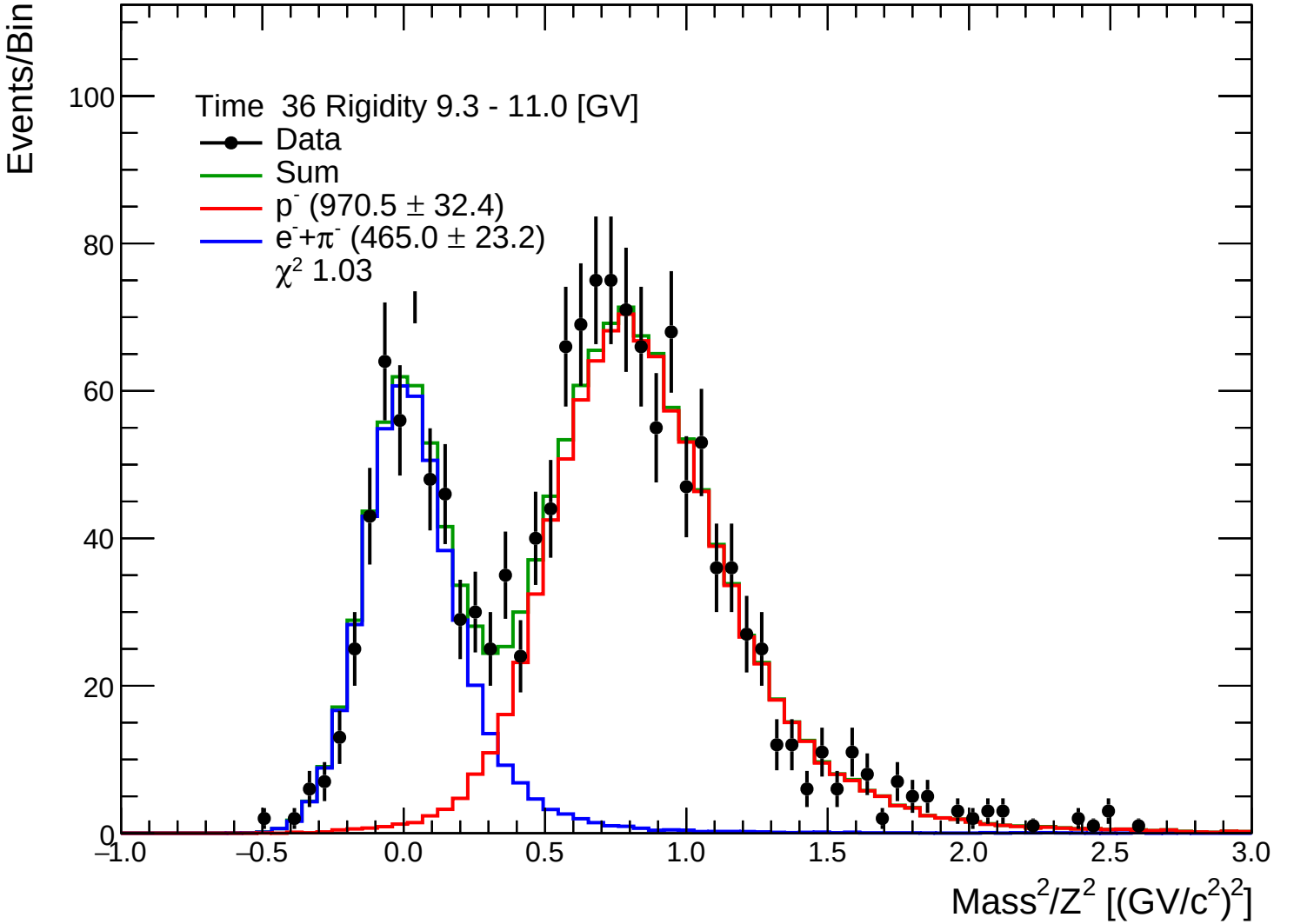

Events/Bin
400
350
300
250
200
150
100
50
0
980
985
990
995
1000
Number [Temp 0]

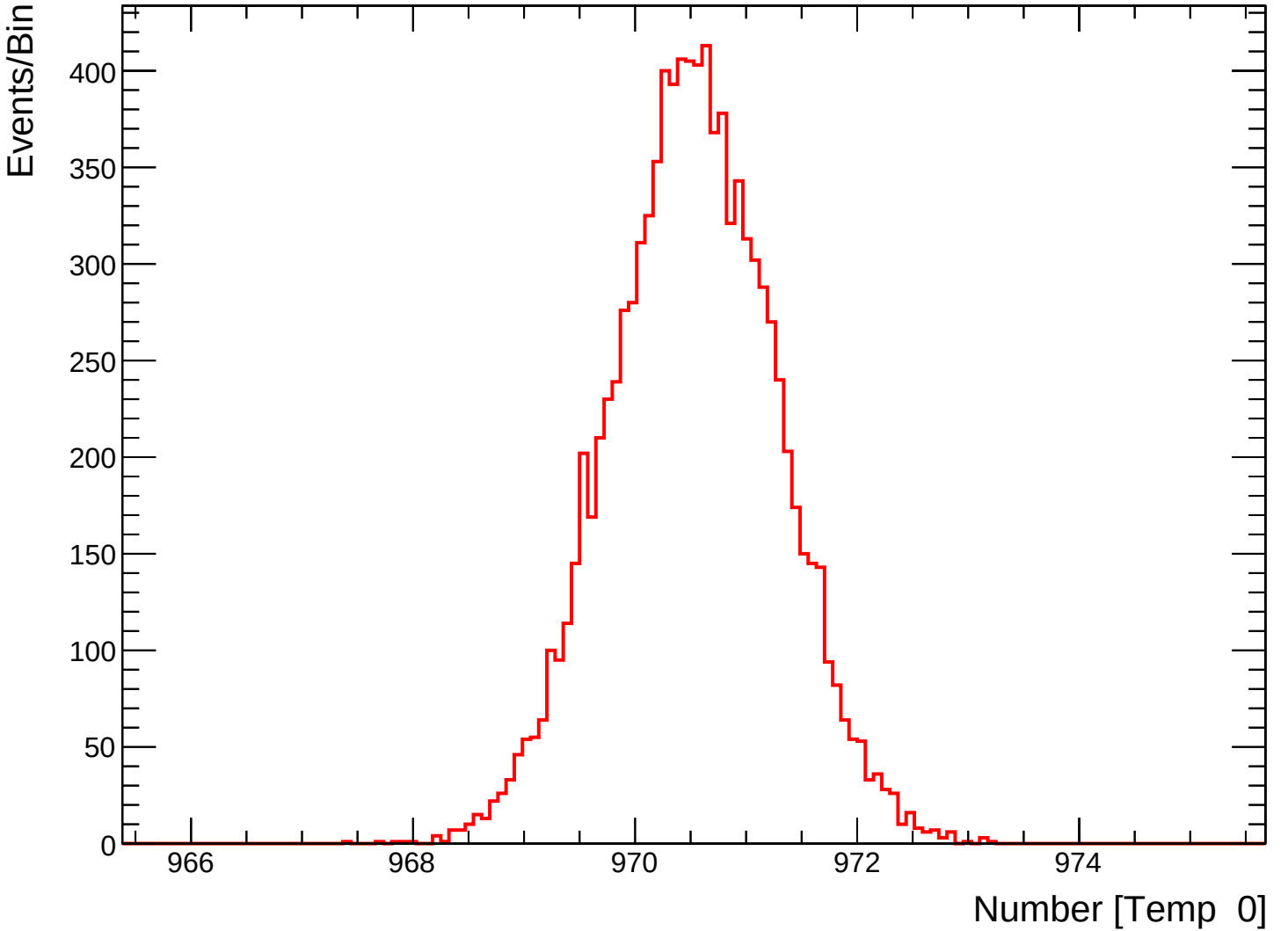

Time 36 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1050.4 ± 33.0)
e⁻+π⁻ (62.3 ± 9.3)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

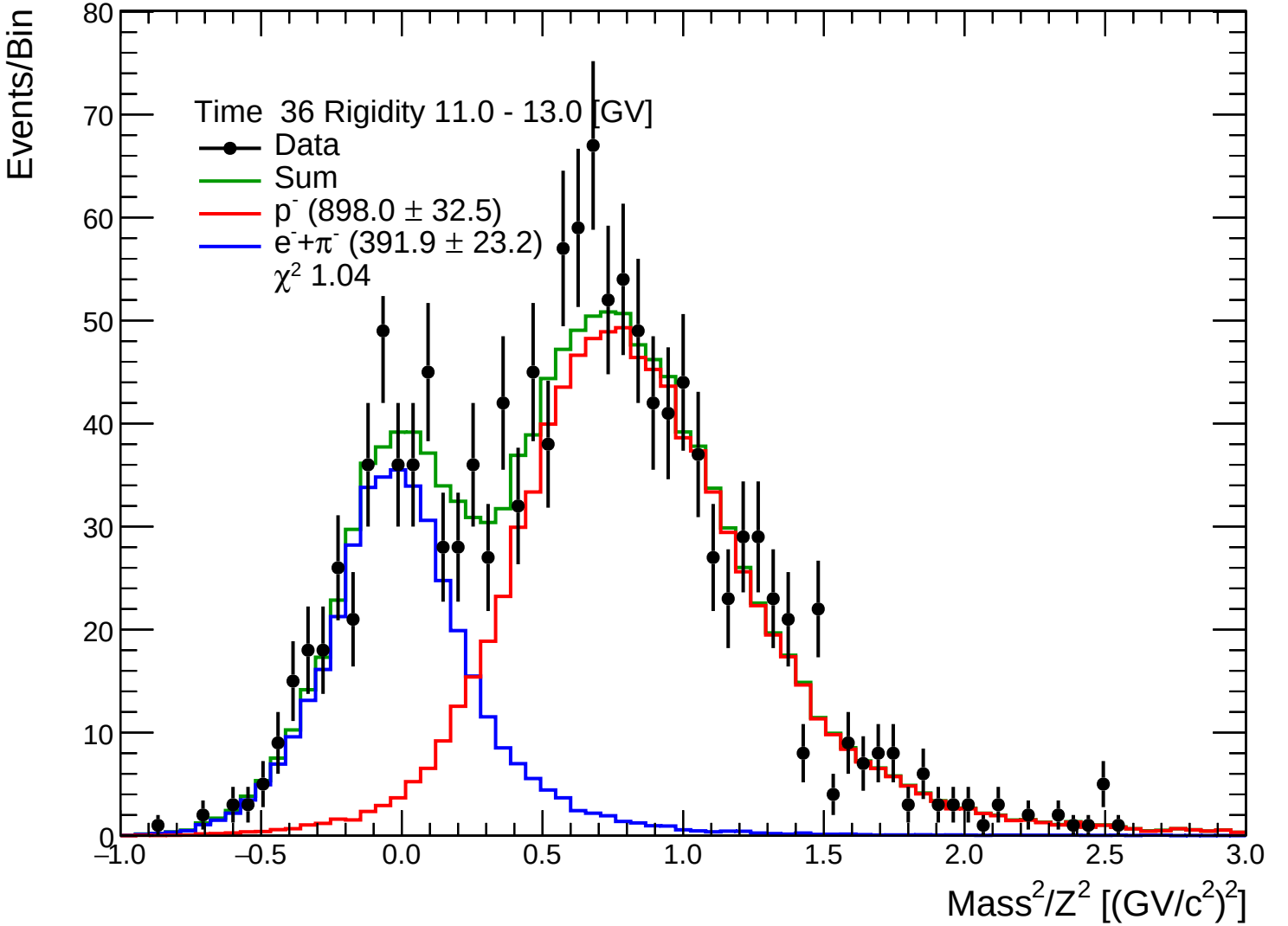

Events/Bin
400
350
300
250
200
150
100
50
0
1047
1048
1049
1050
1051
1052
1053
1054
Number [Temp 0]

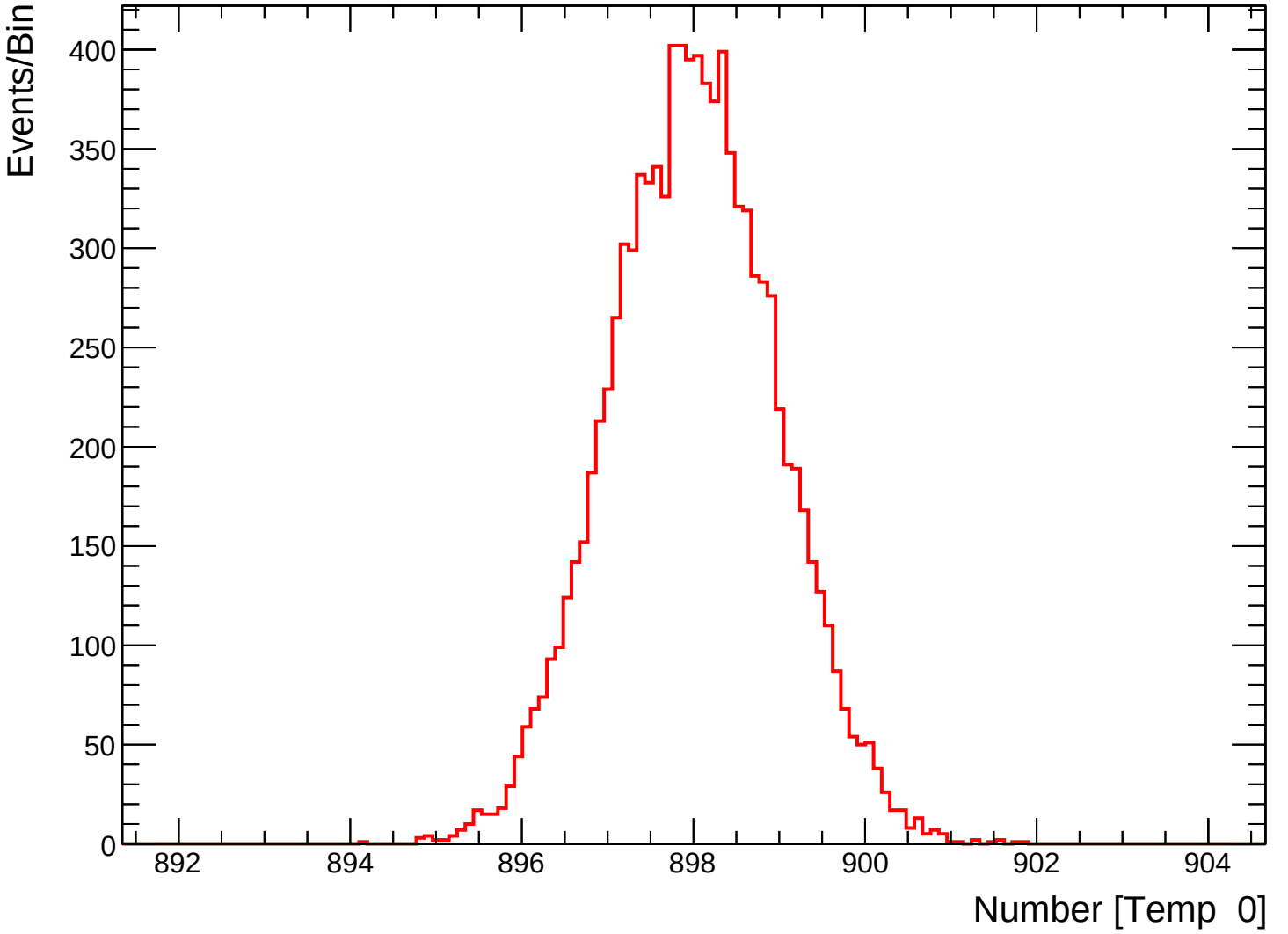

Time 36 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (974.8 ± 32.0)
e⁻+π⁻ (335.6 ± 19.5)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

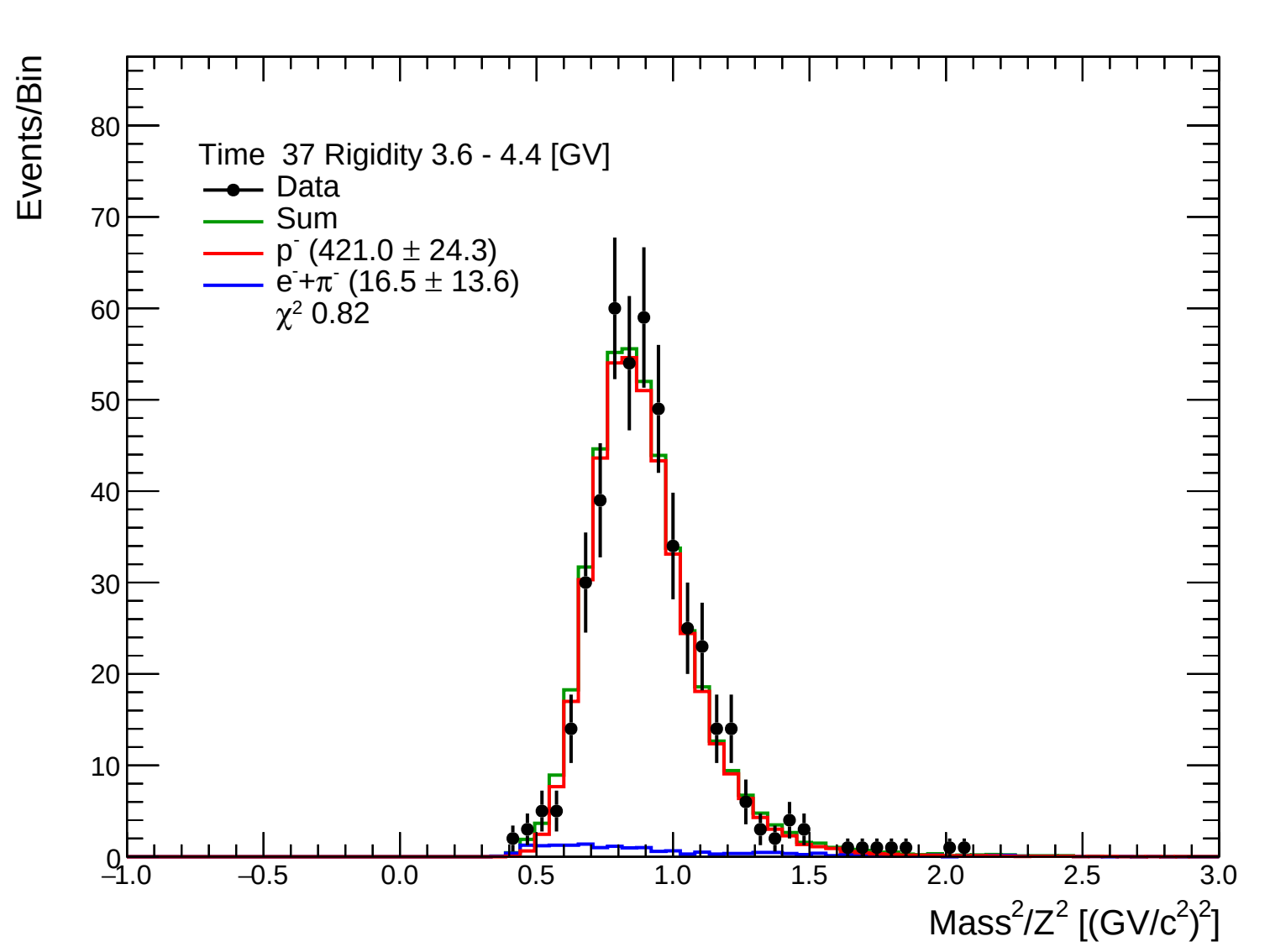

Events/Bin
400
350
300
250
200
150
100
50
0
971
972
973
974
975
976
977
978
979
Number [Temp 0]

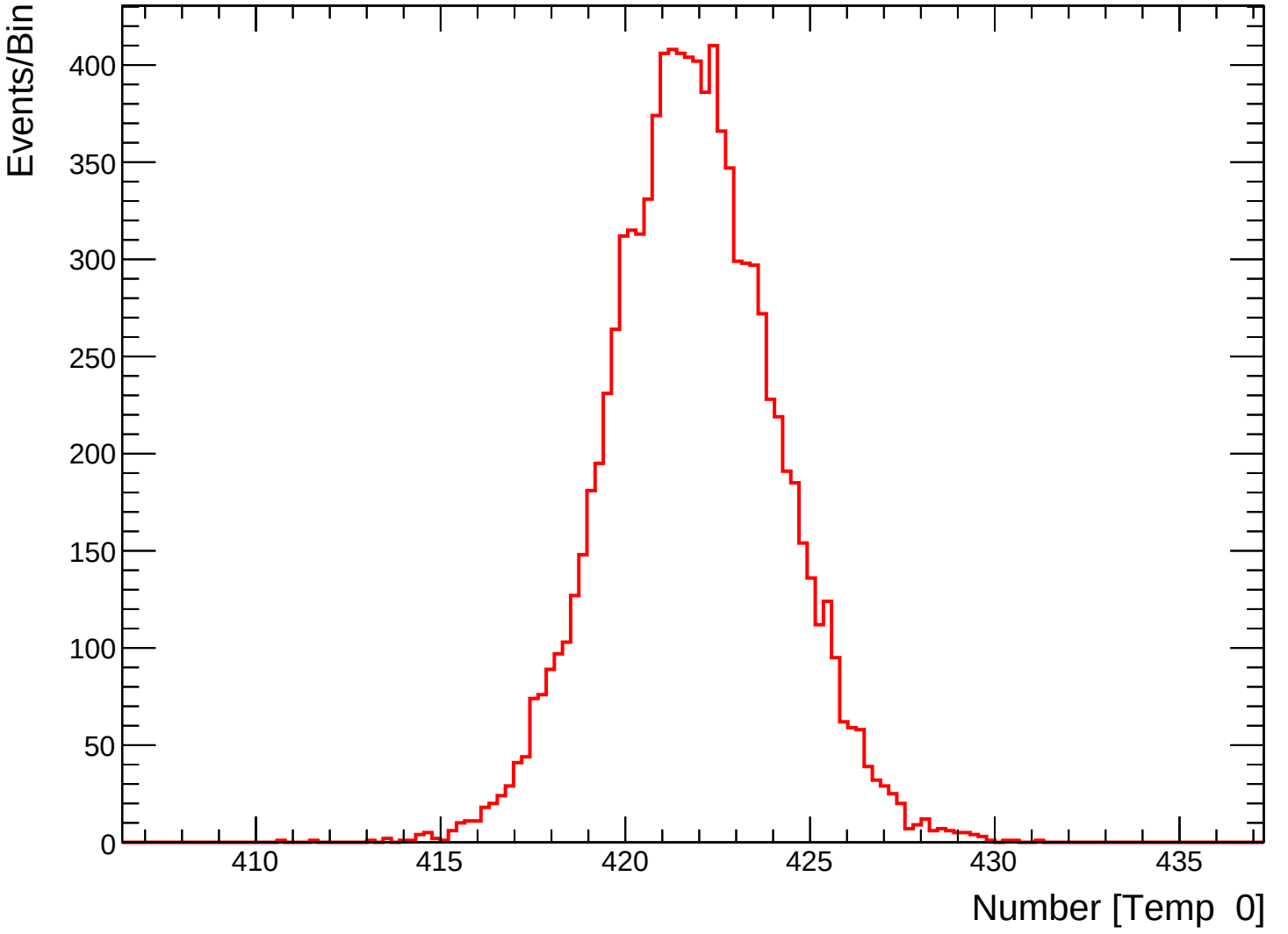

Time 36 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (970.5 ± 32.4)
e⁻+π⁻ (465.0 ± 23.2)
χ² 1.03
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

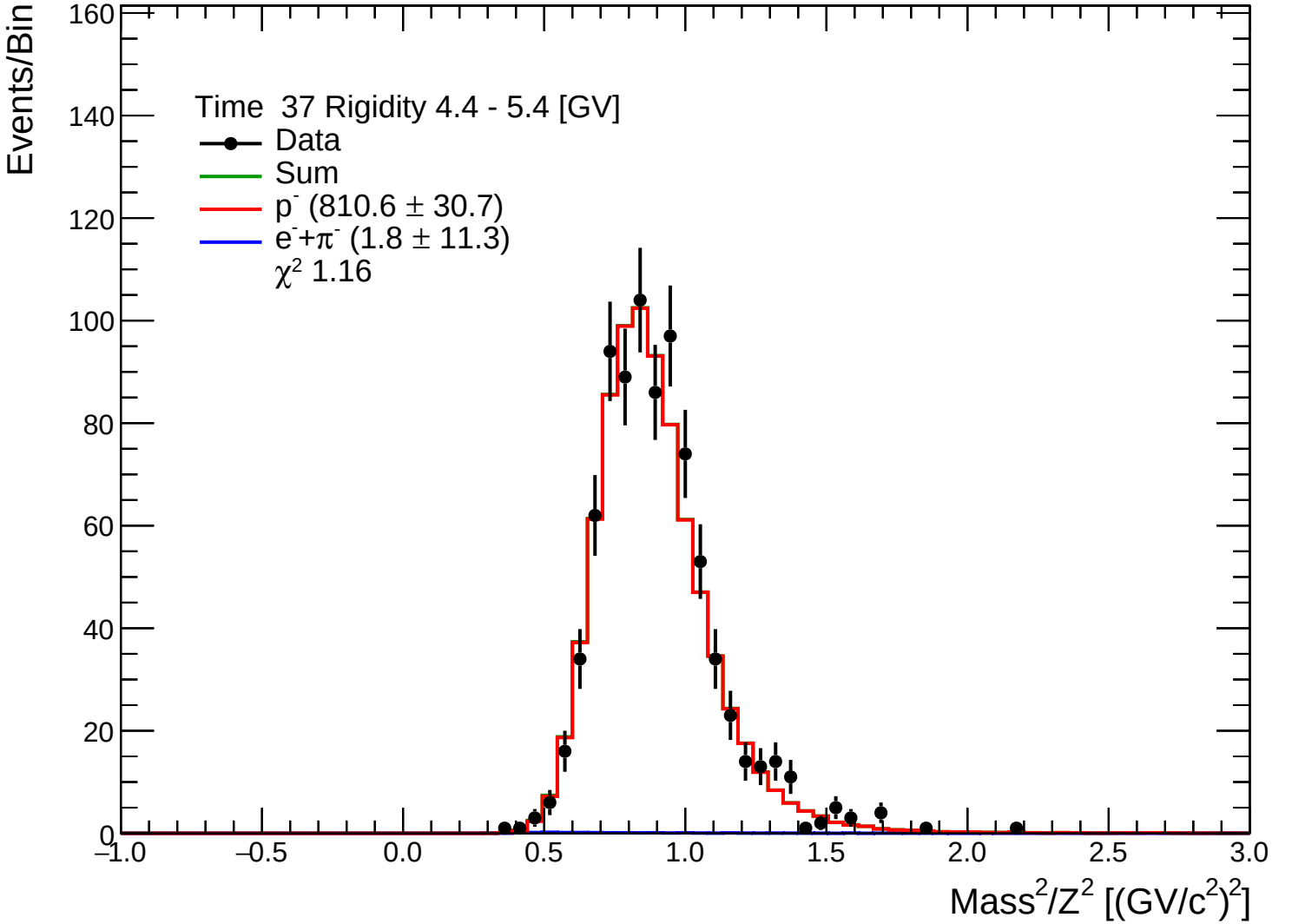

Events/Bin
400
350
300
250
200
150
100
50
0
966
968
970
972
974
Number [Temp 0]

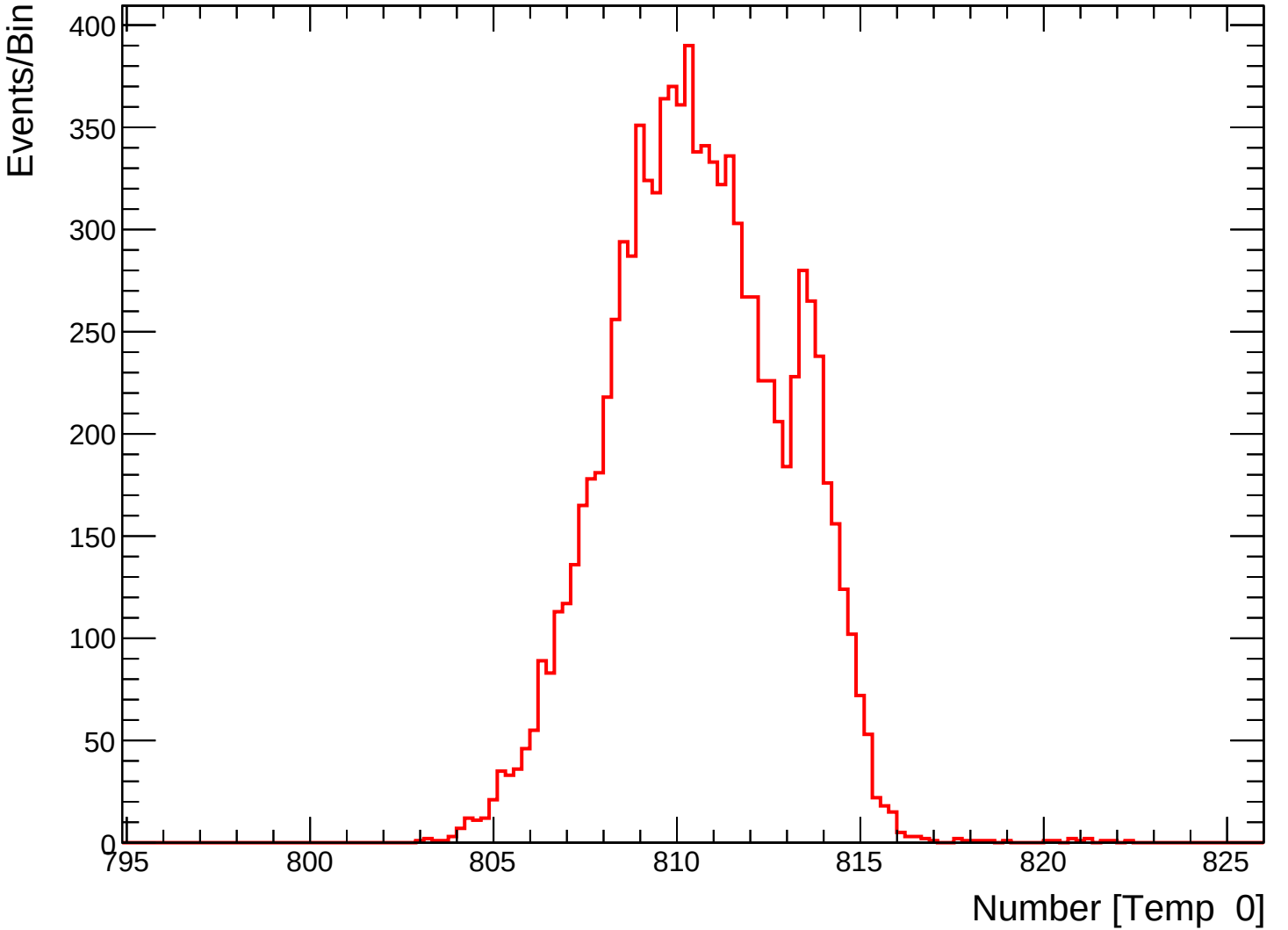

Time 36 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (898.0 ± 32.5)
e⁻+π⁻ (391.9 ± 23.2)
χ² 1.04
Events/Bin
Mass²/Z² [(GV/c²)²]
80
70
60
50
40
30
20
10
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

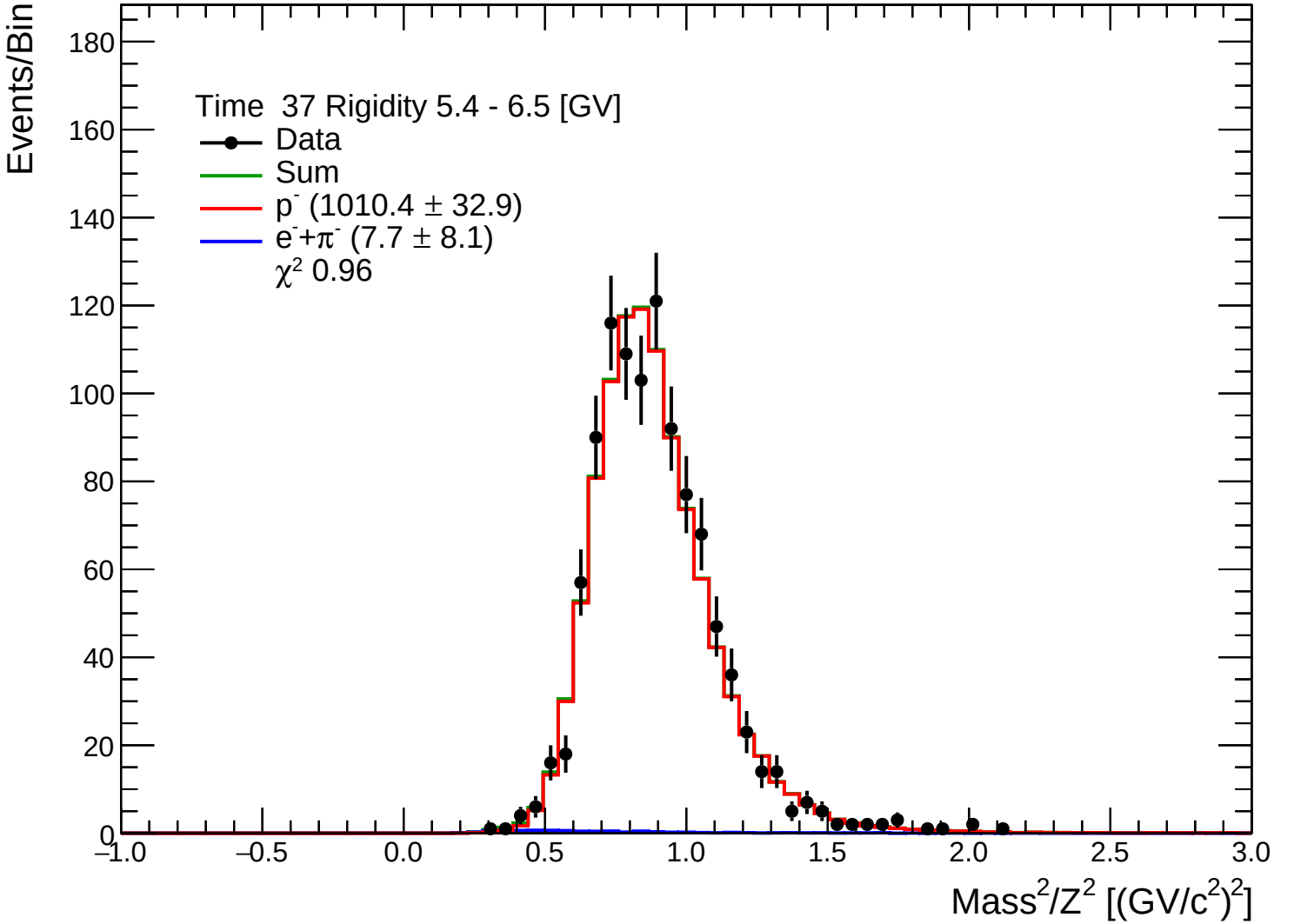

Events/Bin
400
350
300
250
200
150
100
50
0
892
894
896
898
900
902
904
Number [Temp 0]

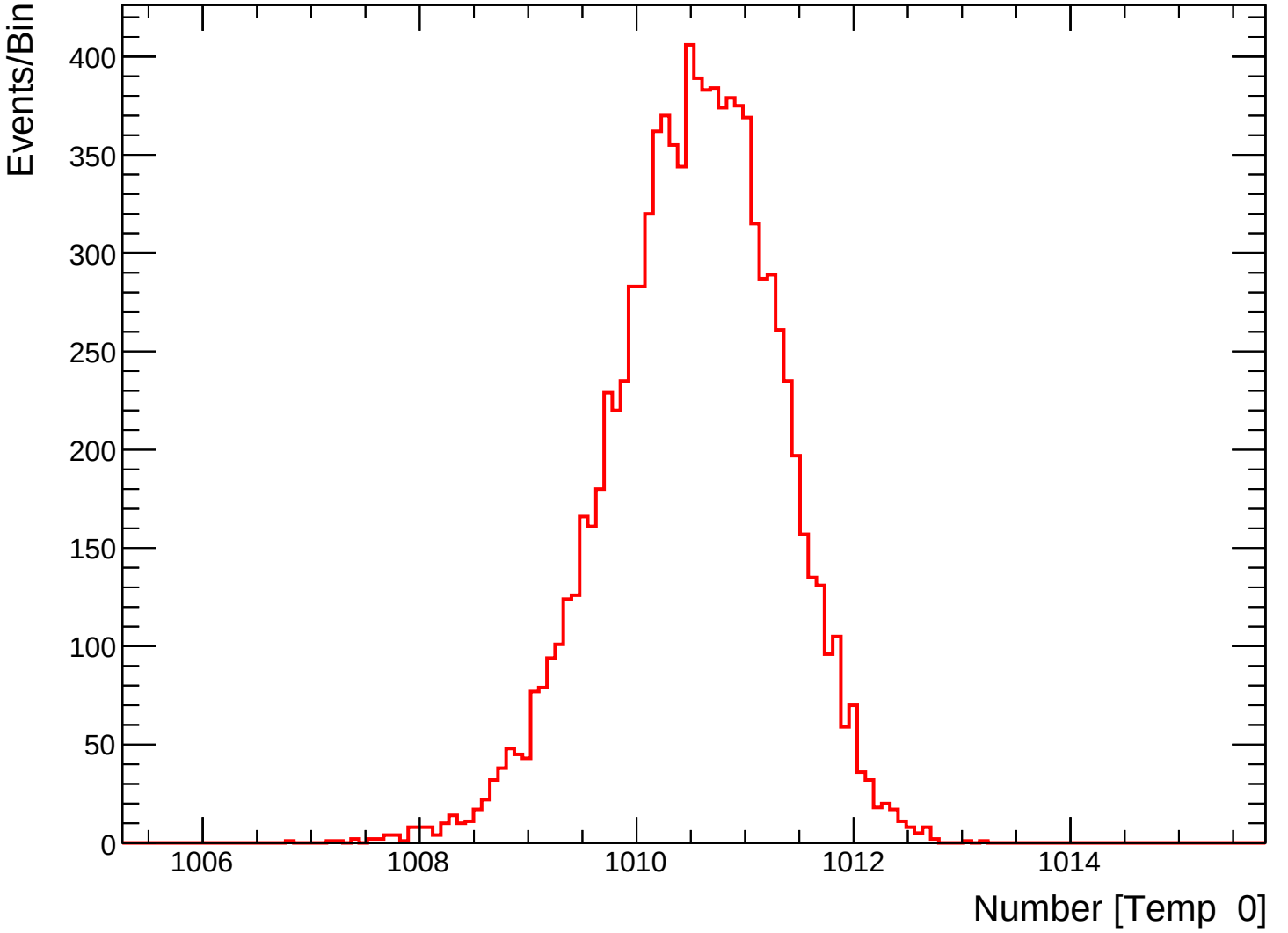

Time 37 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (421.0 ± 24.3)
e⁻+π⁻ (16.5 ± 13.6)
χ² 0.82
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

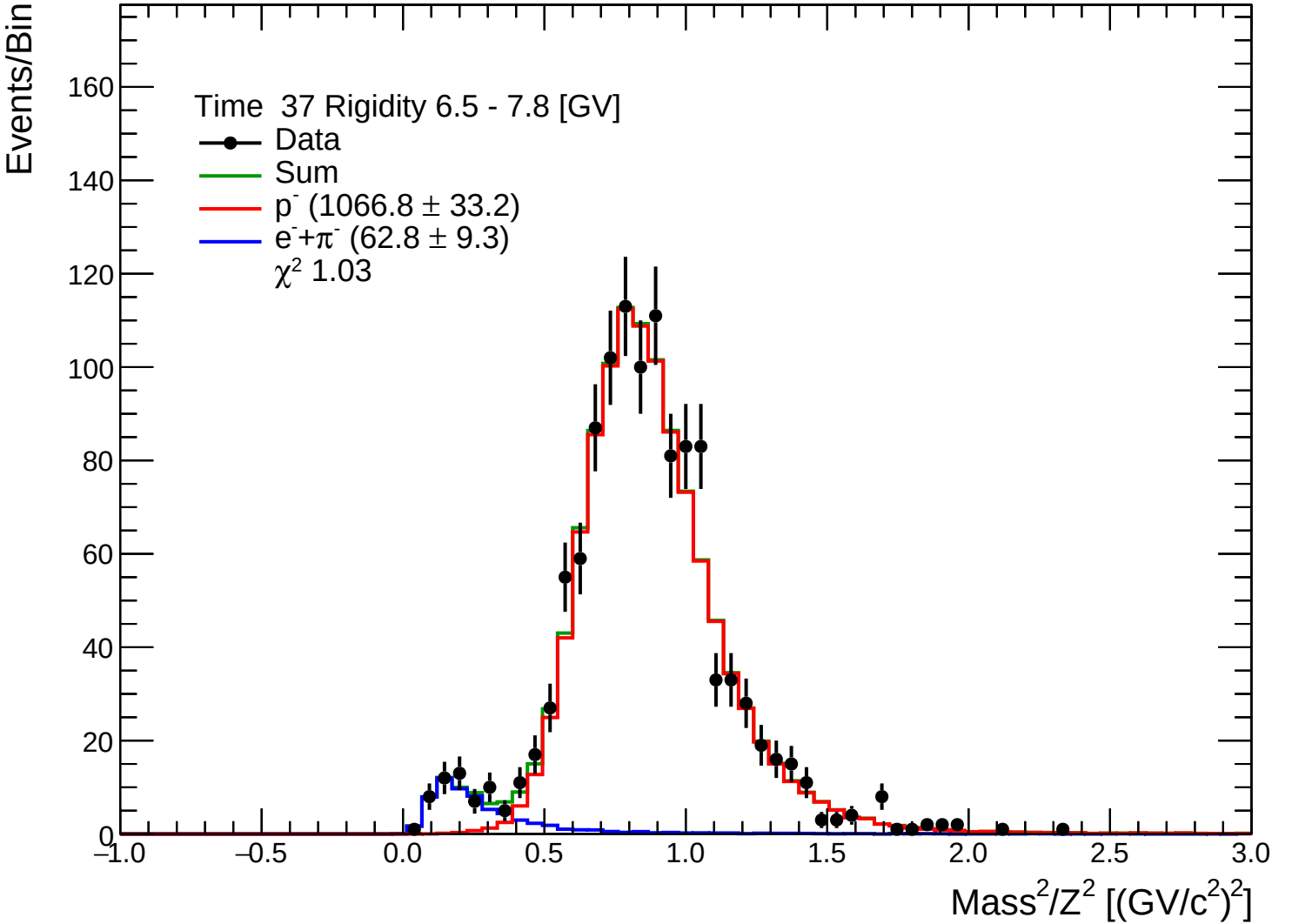

Events/Bin
400
350
300
250
200
150
100
50
0
410
415
420
425
430
435
Number [Temp 0]

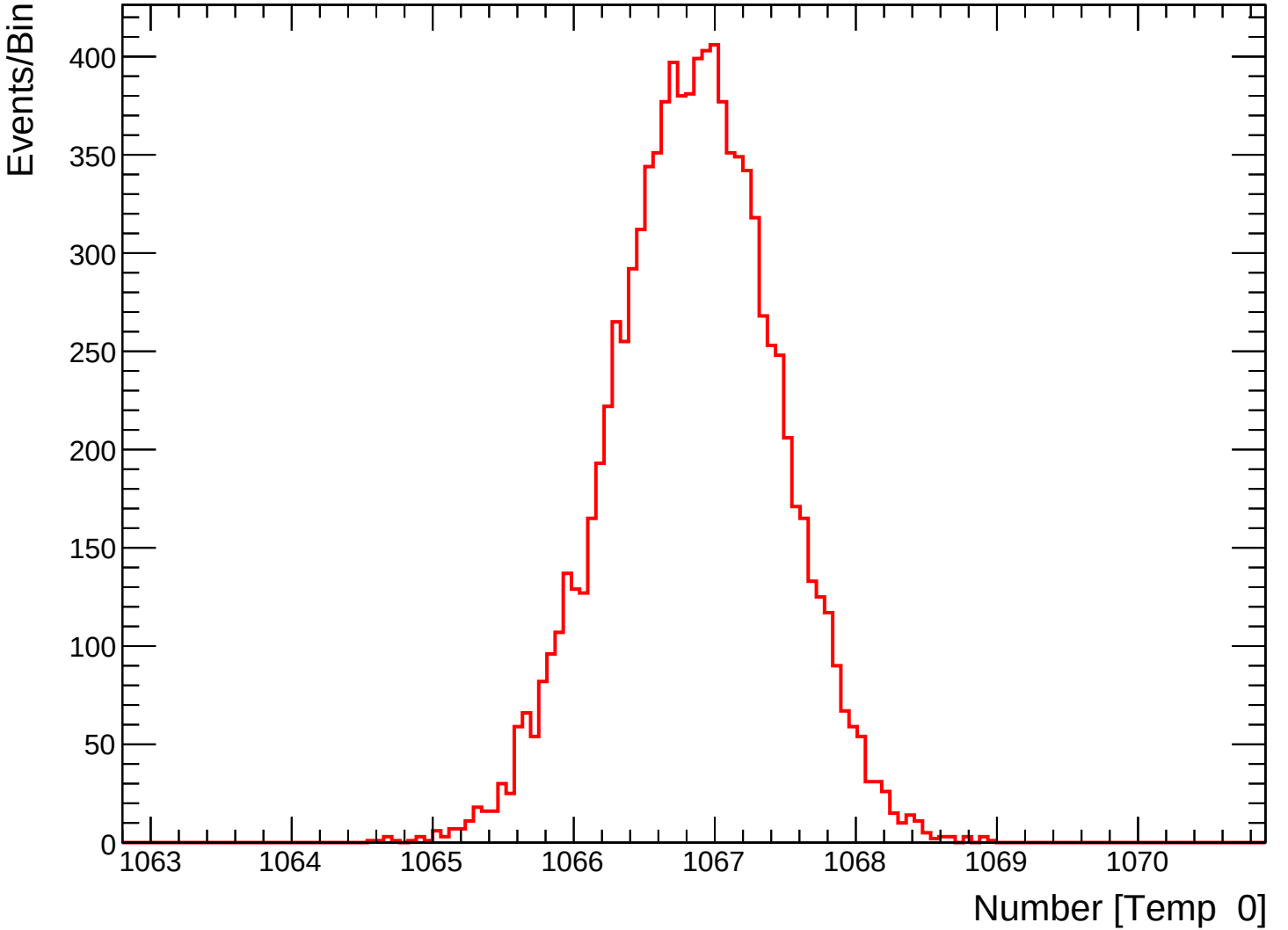

Time 37 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (810.6 ± 30.7)
e⁻+π⁻ (1.8 ± 11.3)
χ² 1.16
Events/Bin
Mass²/Z² [(GV/c²)²]
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

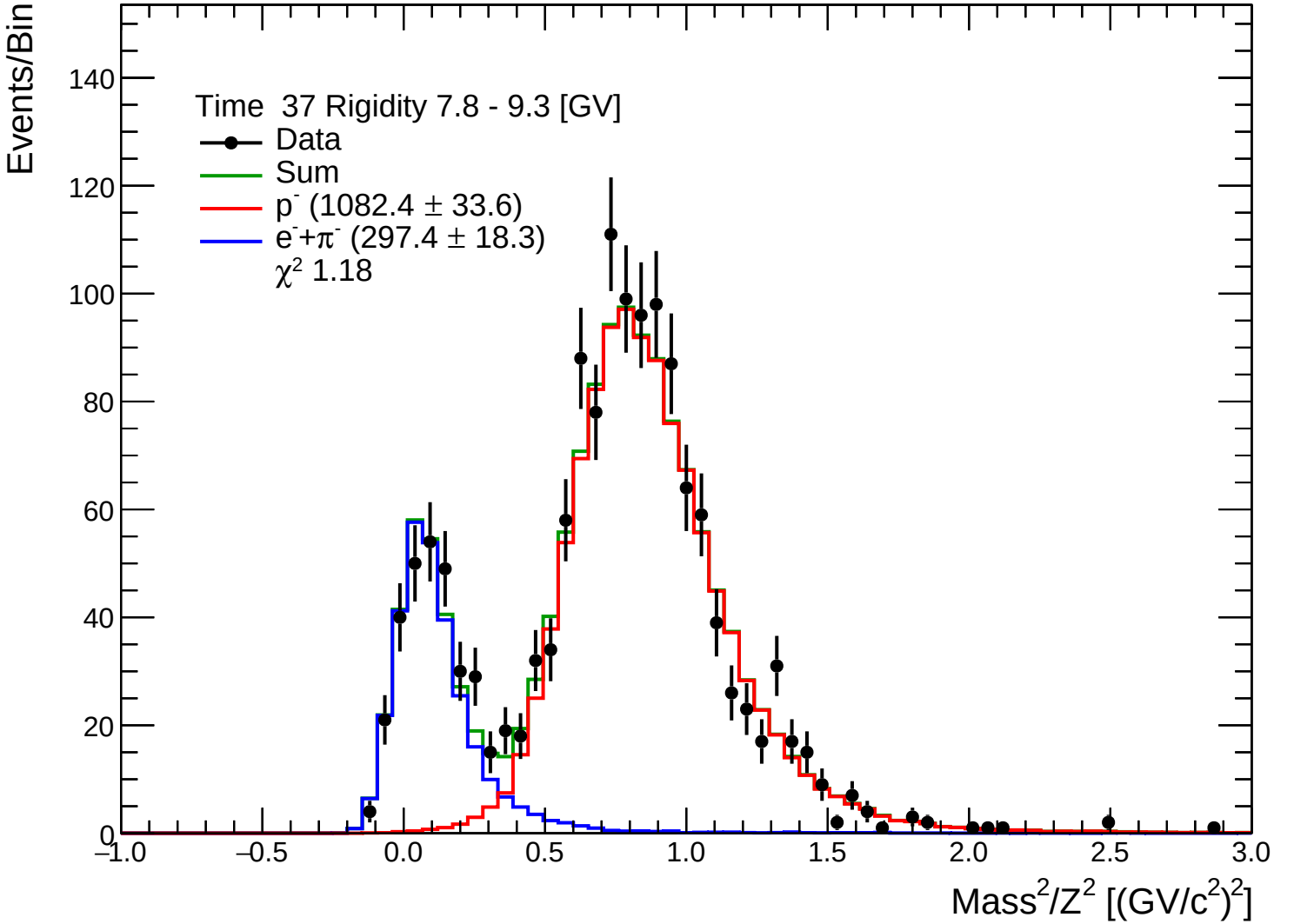

Events/Bin
400
350
300
250
200
150
100
50
0
795
800
805
810
815
820
825
Number [Temp 0]

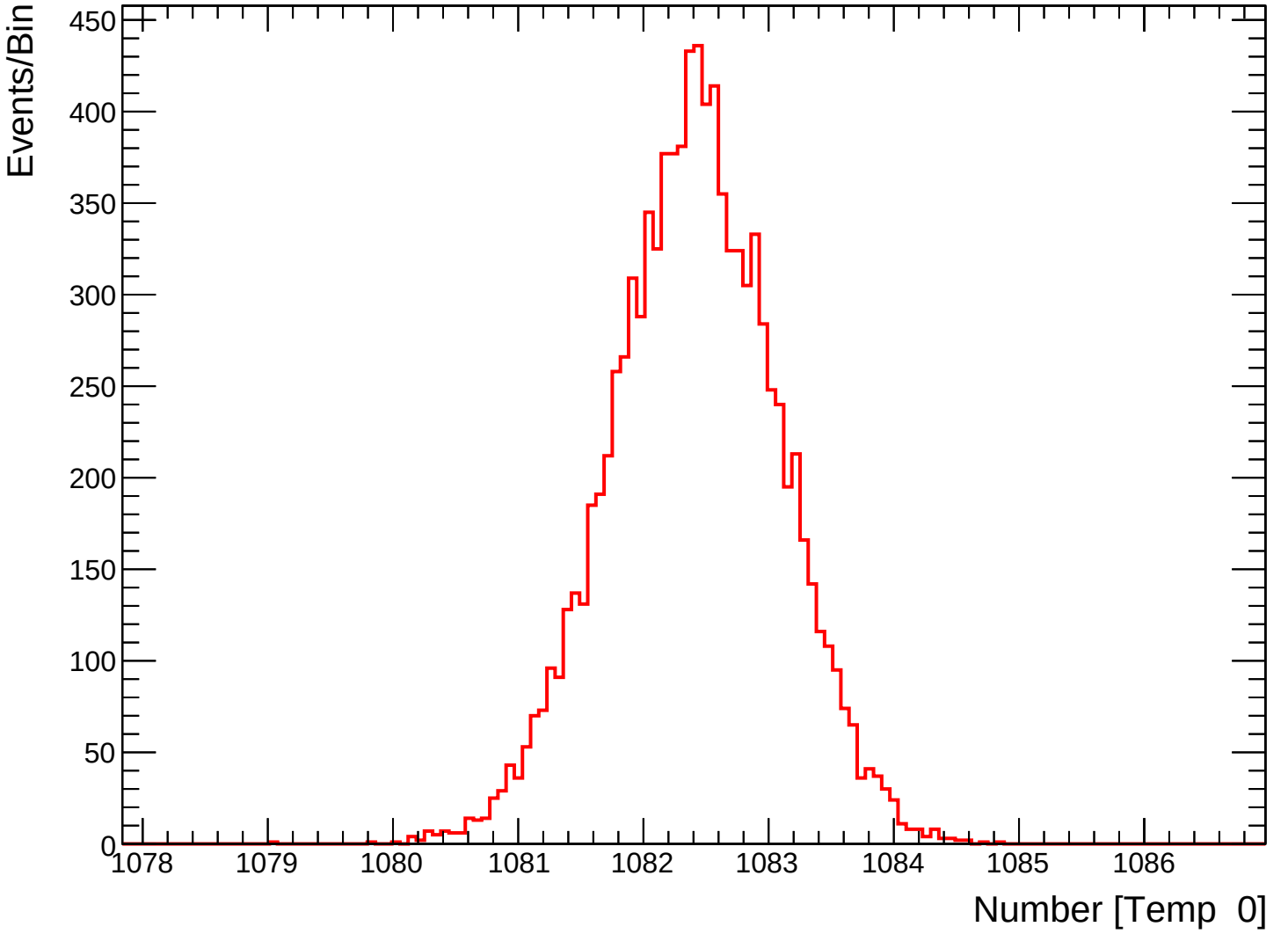

Time 37 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (1010.4 ± 32.9)
e⁻+π⁻ (7.7 ± 8.1)
χ² 0.96
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

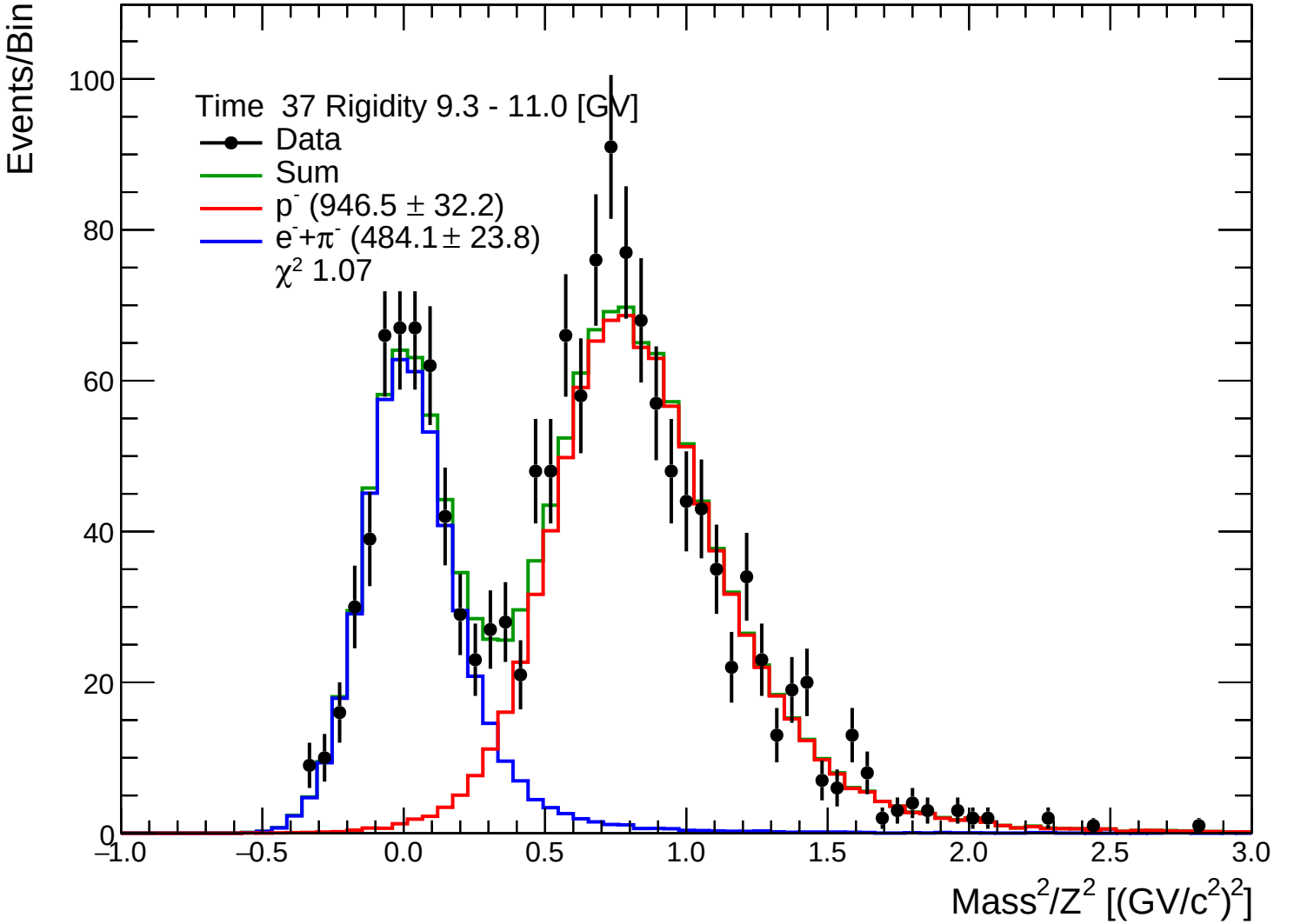

Events/Bin
400
350
300
250
200
150
100
50
0
1006
1008
1010
1012
1014
Number [Temp 0]

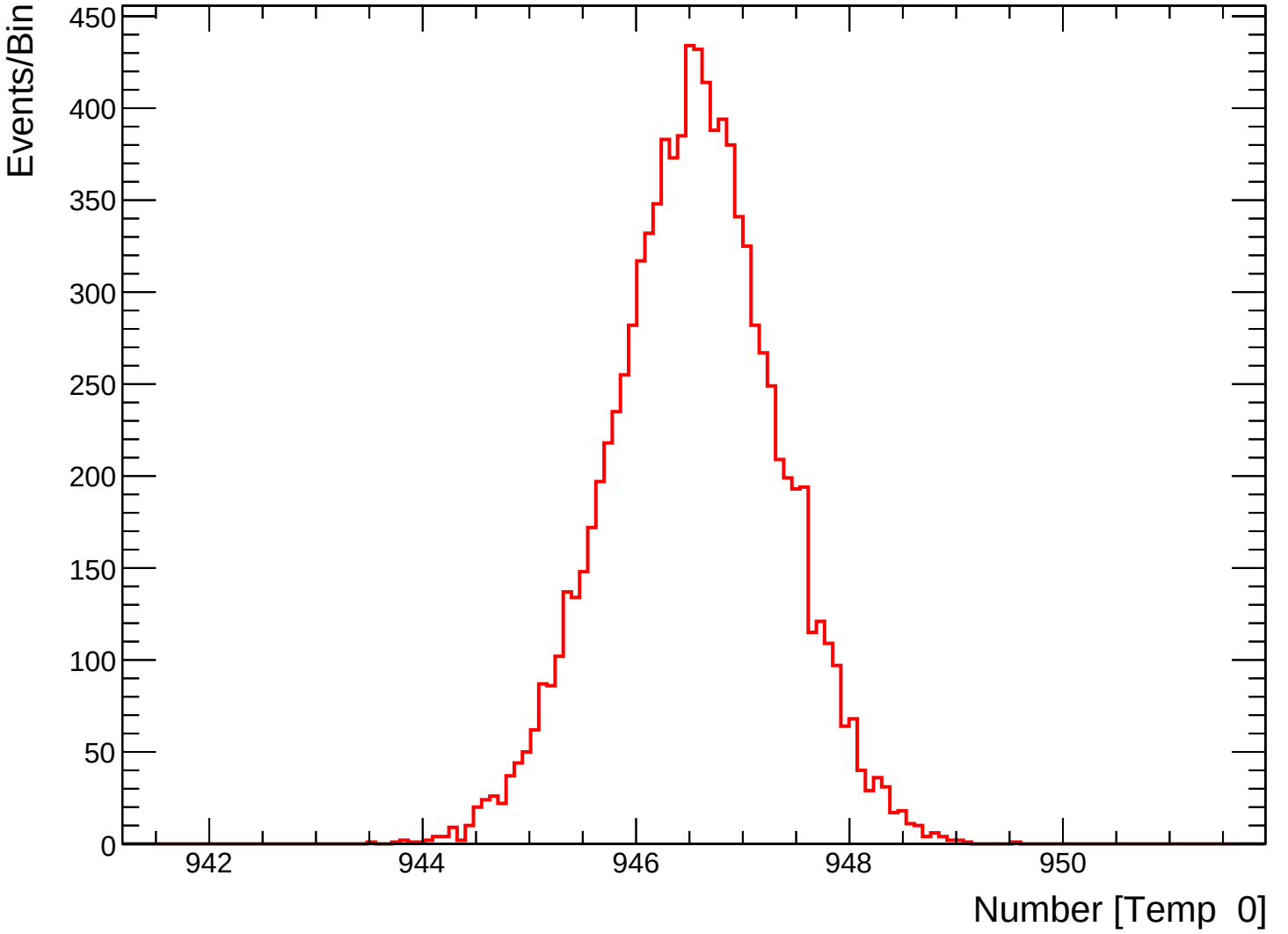

Time 37 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1066.8 ± 33.2)
e⁻+π⁻ (62.8 ± 9.3)
χ² 1.03
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

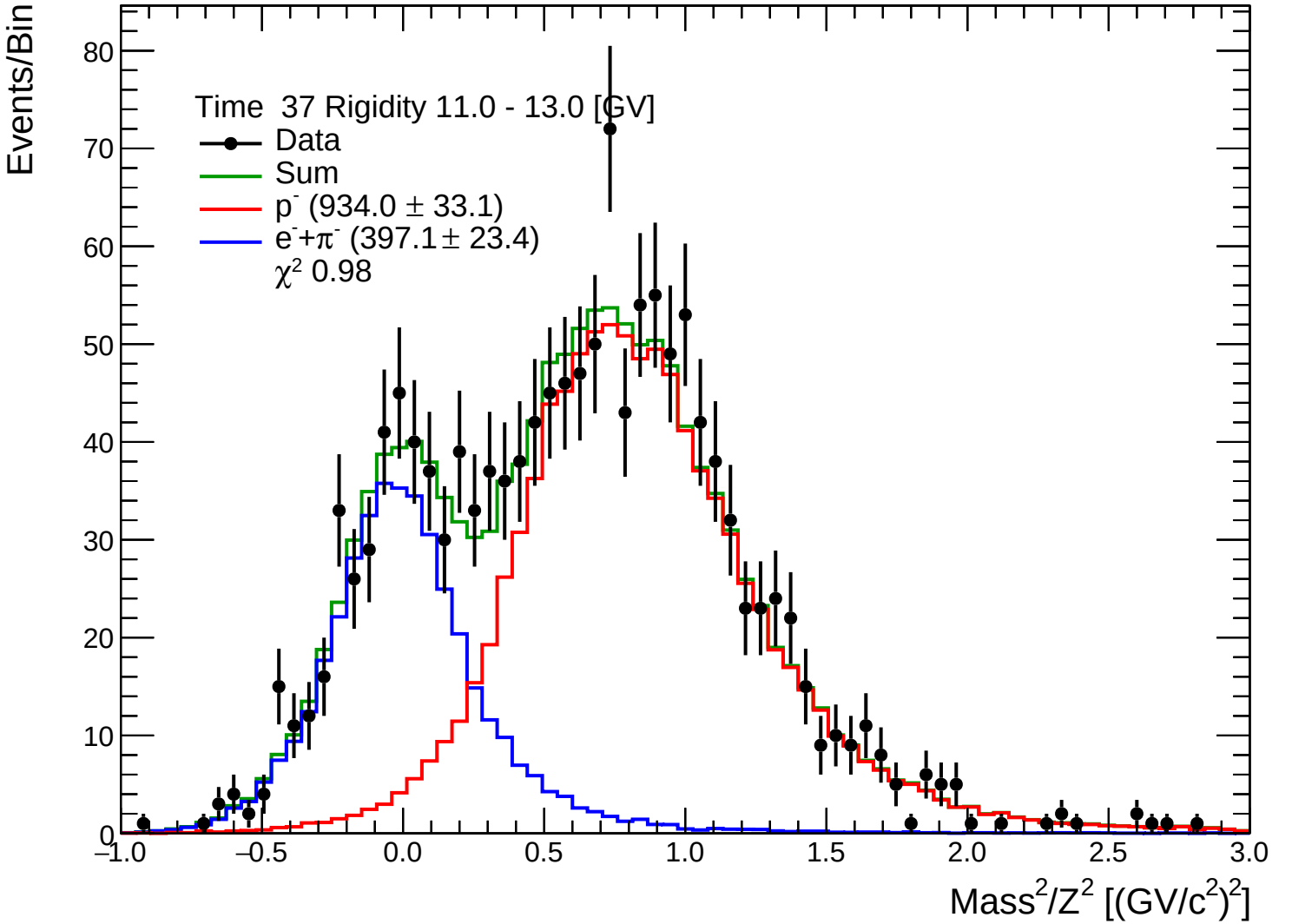

Events/Bin
400
350
300
250
200
150
100
50
0
1063
1064
1065
1066
1067
1068
1069
1070
Number [Temp 0]

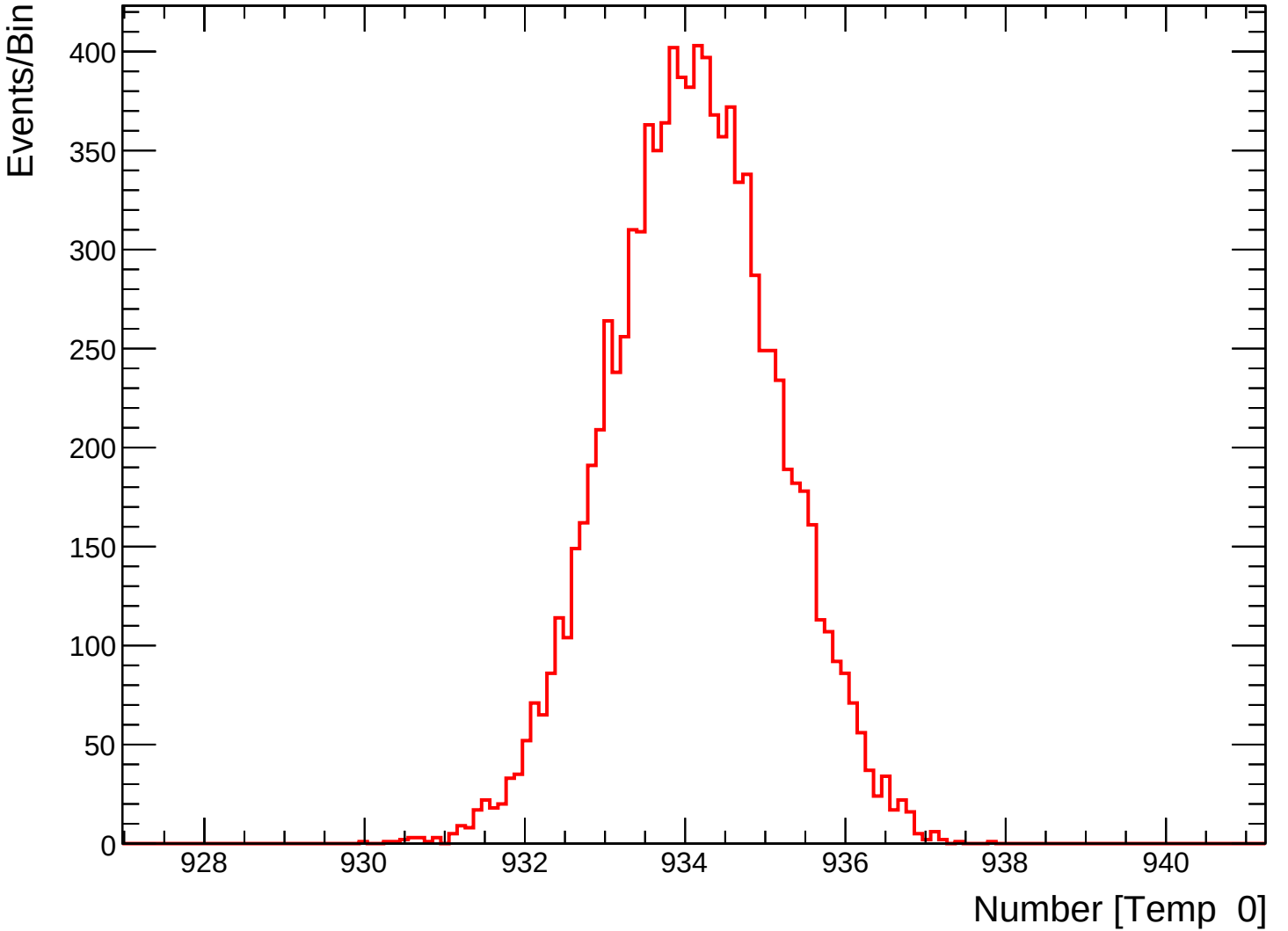

Time 37 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1082.4 ± 33.6)
e⁻+π⁻ (297.4 ± 18.3)
χ² 1.18
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

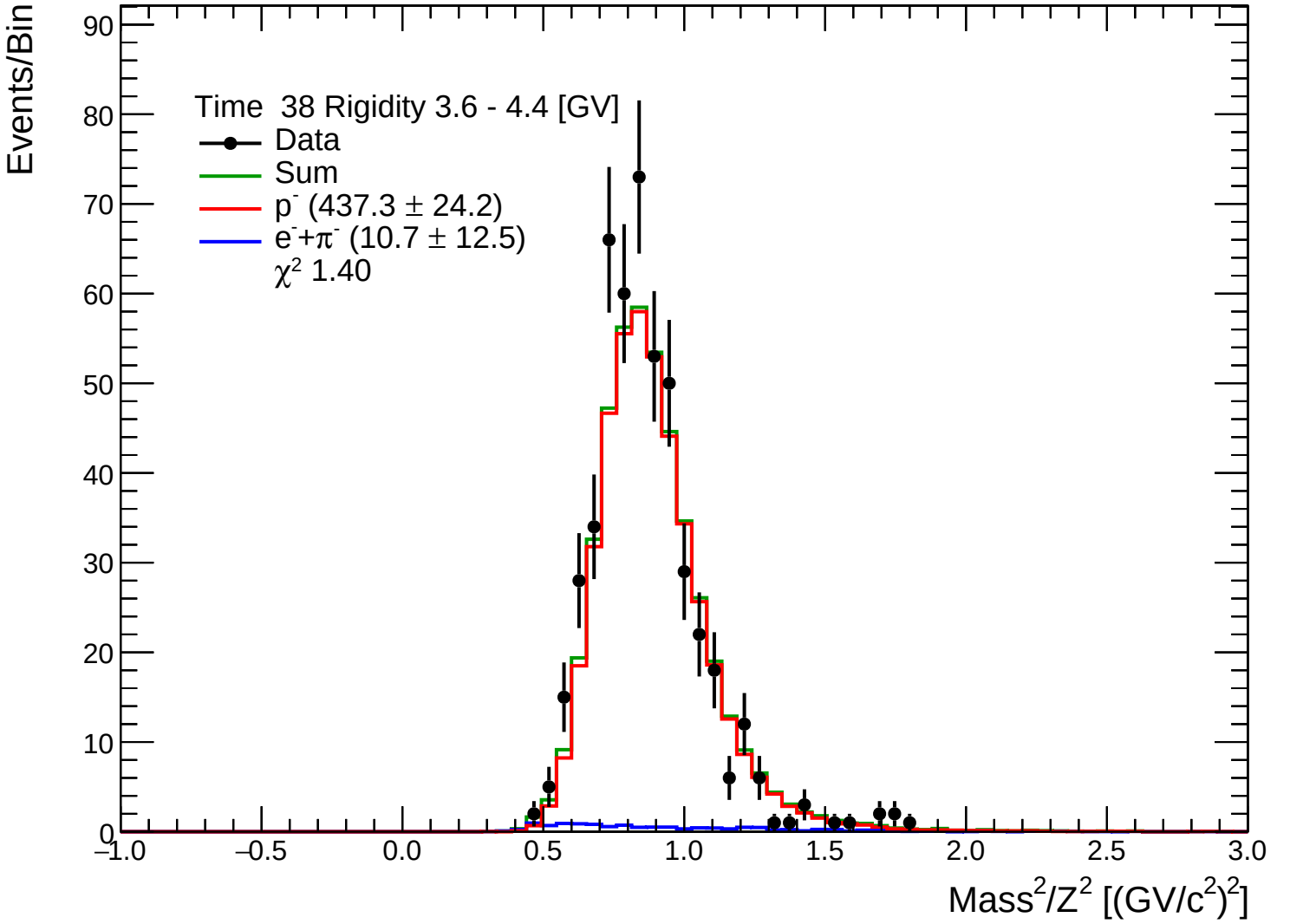

Events/Bin
450
400
350
300
250
200
150
100
50
0
1078
1079
1080
1081
1082
1083
1084
1085
1086
Number [Temp 0]

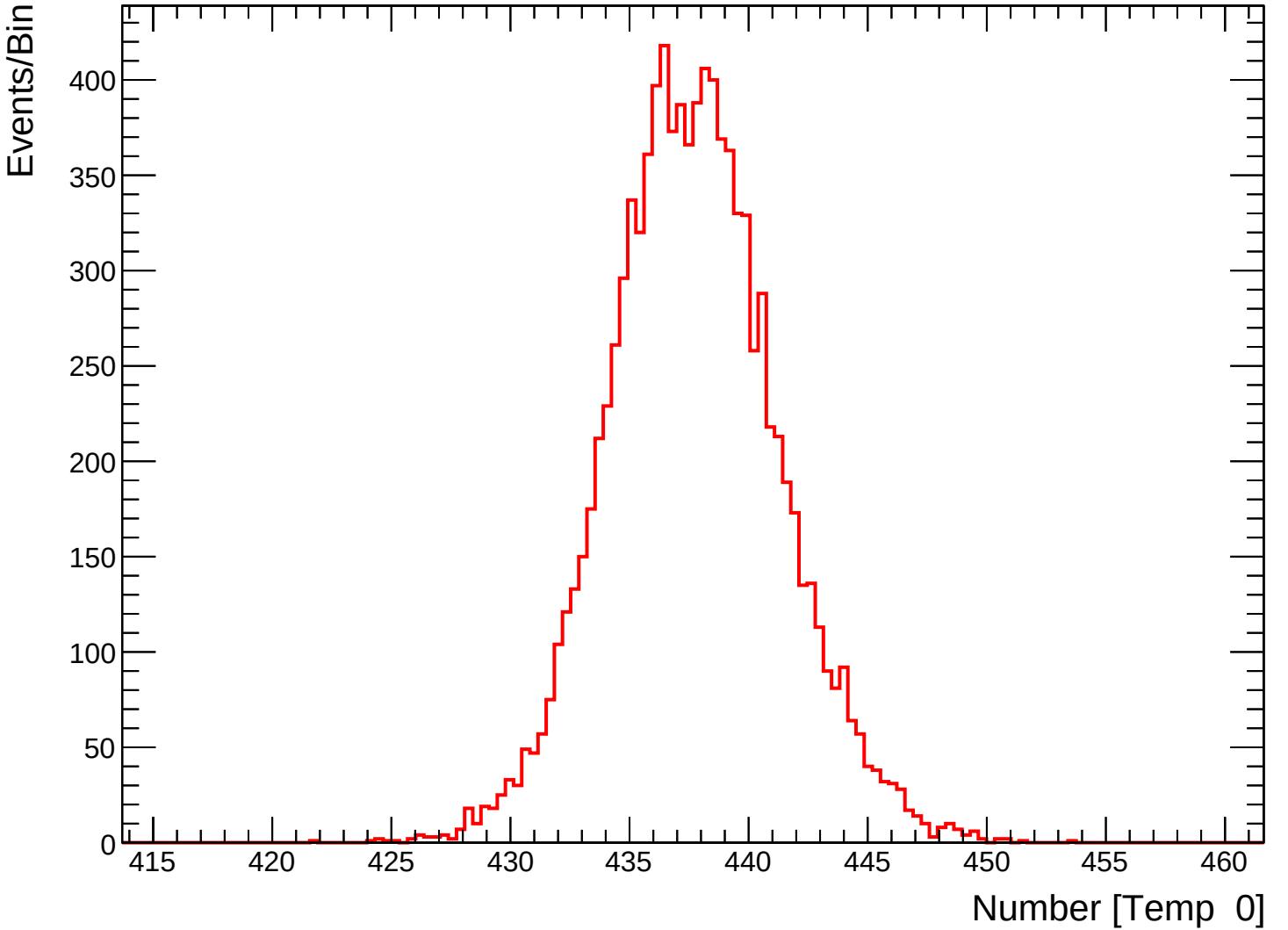

Events/Bin
Time 37 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (946.5 ± 32.2)
e⁻+π⁻ (484.1 ± 23.8)
χ² 1.07
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Mass²/Z² [(GV/c²)²]

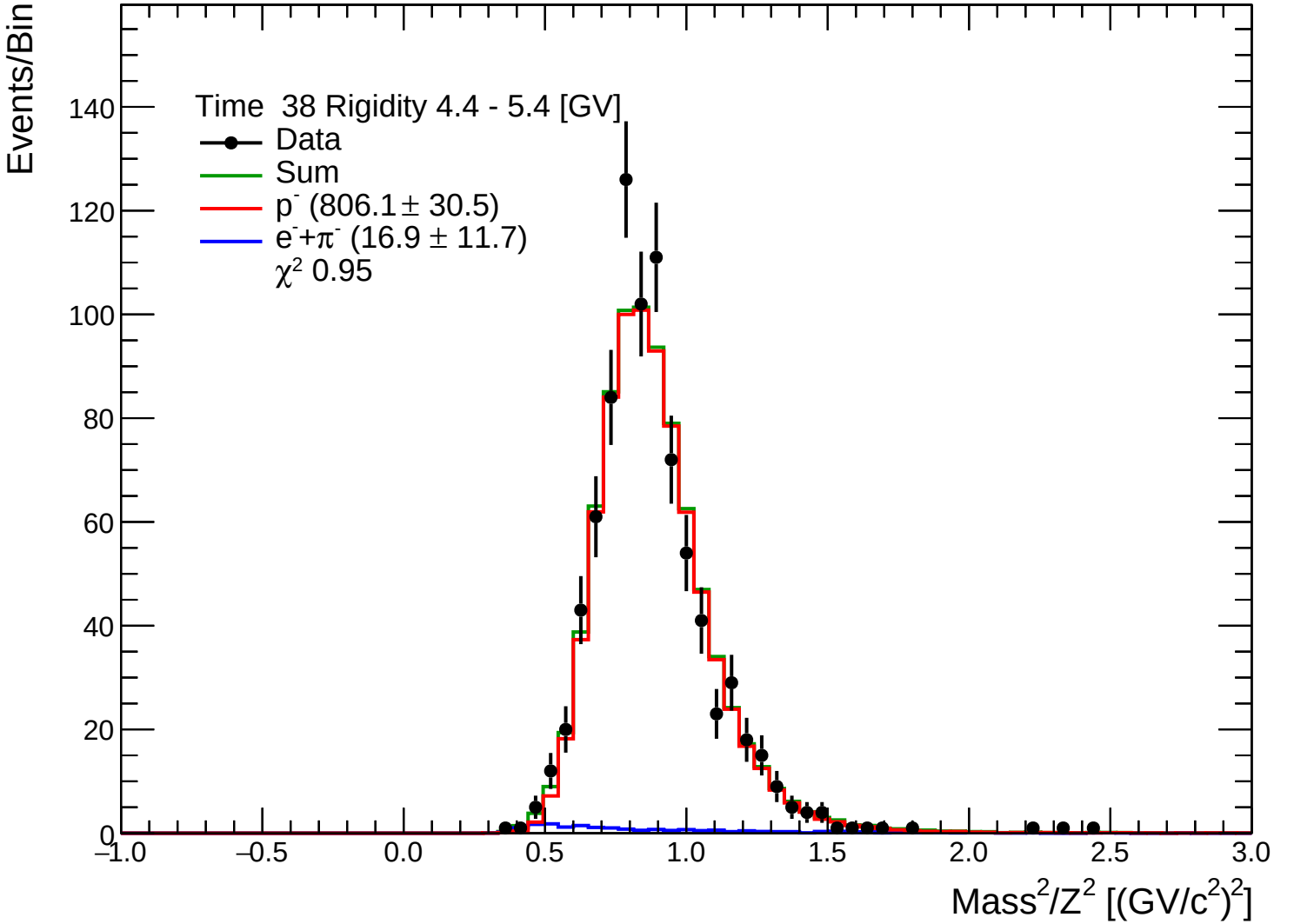

Events/Bin
450
400
350
300
250
200
150
100
50
0
942
944
946
948
950
Number [Temp 0]

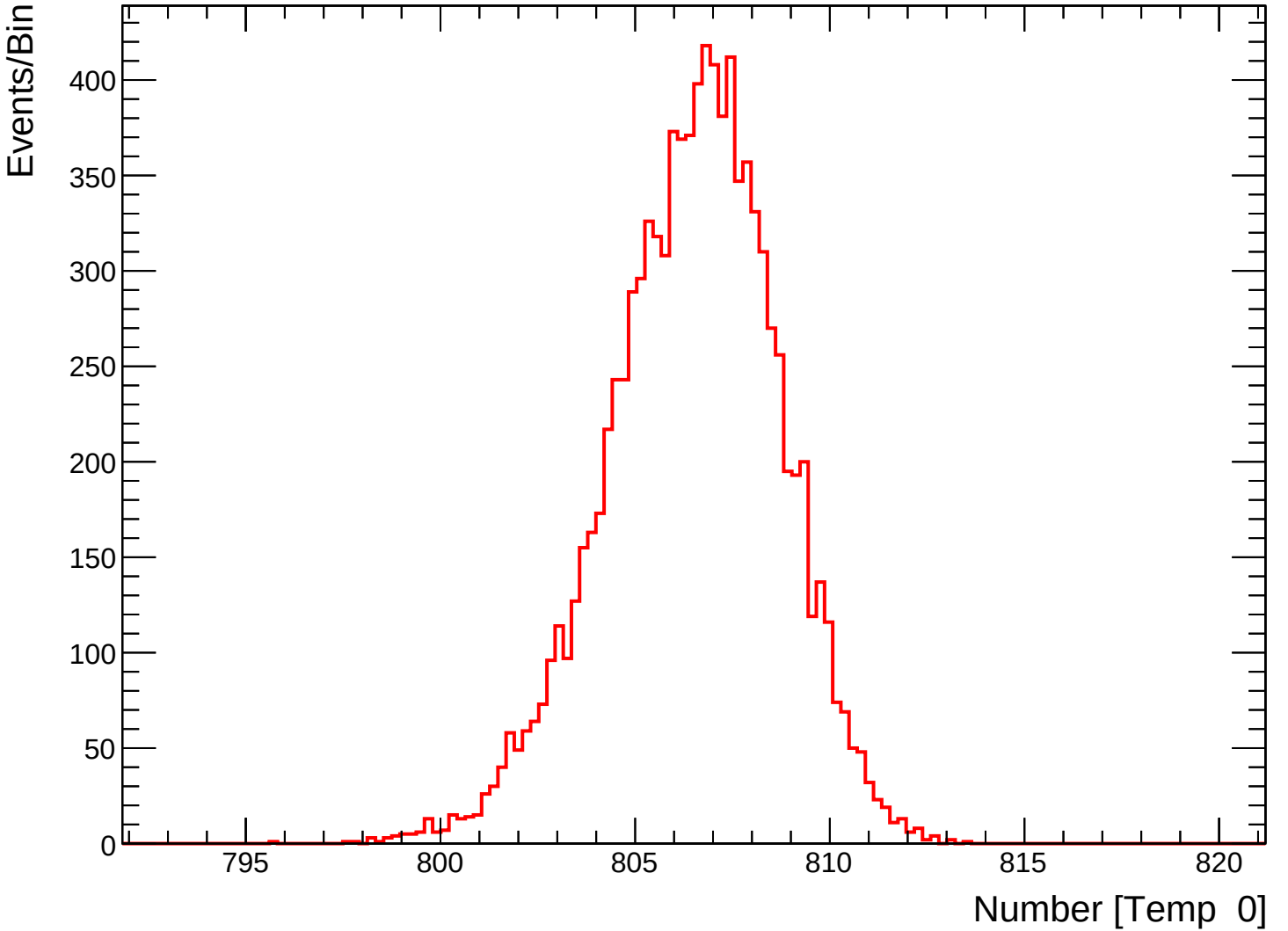

Time 37 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (934.0 ± 33.1)
e⁻+π⁻ (397.1 ± 23.4)
χ² 0.98
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

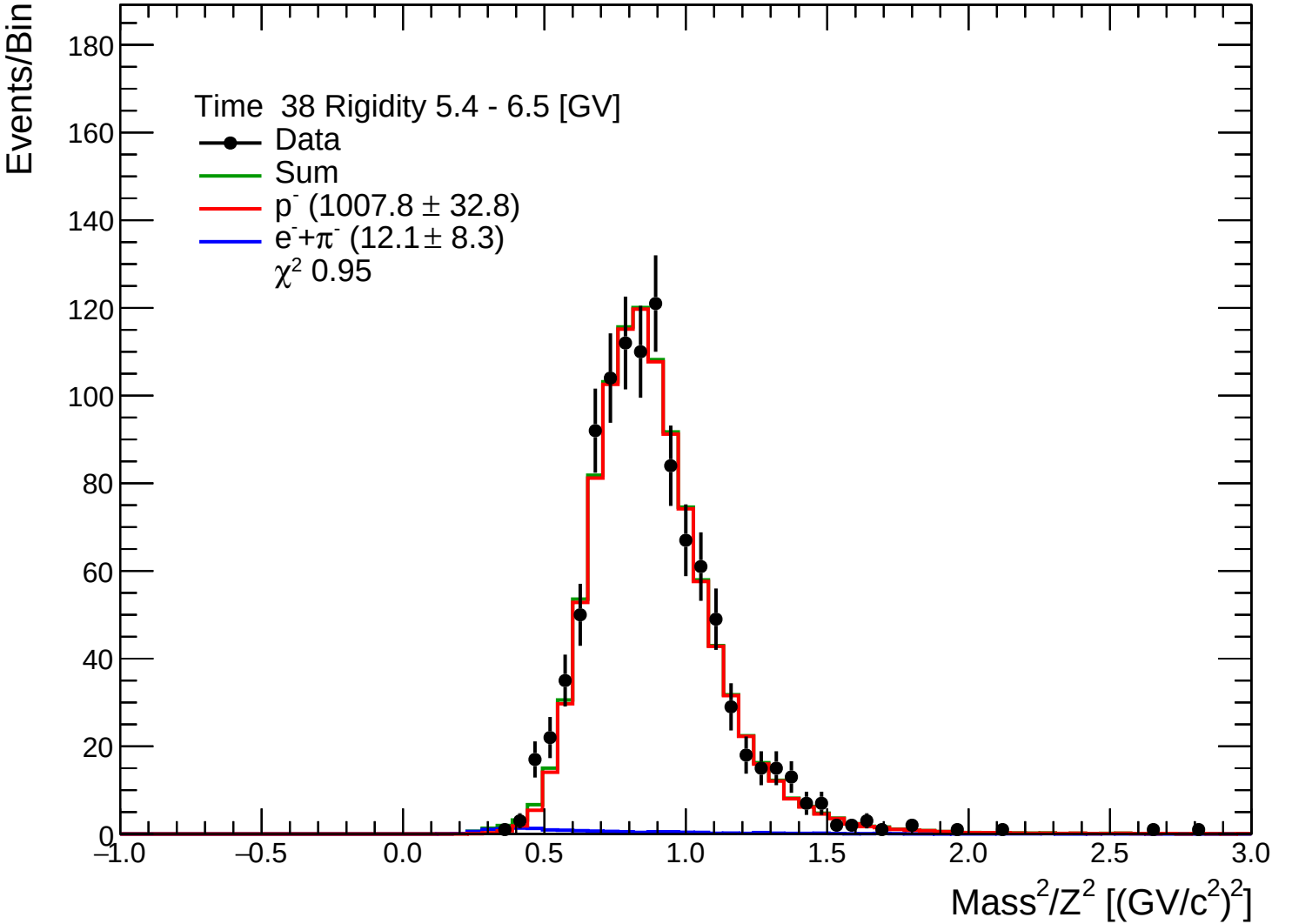

Events/Bin
400
350
300
250
200
150
100
50
0
928
930
932
934
936
938
940
Number [Temp 0]

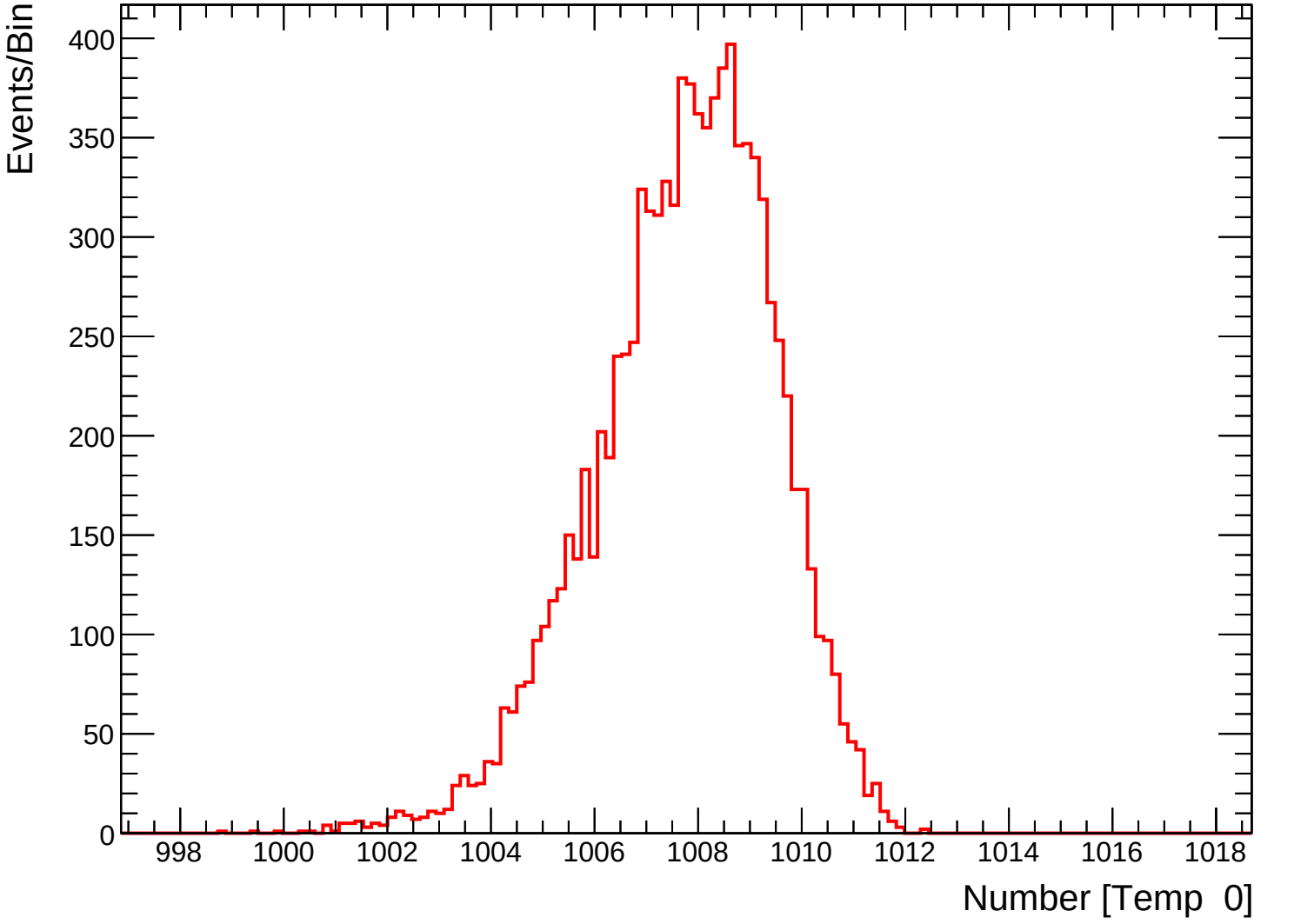

Time 38 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (437.3 ± 24.2)
e⁻+π⁻ (10.7 ± 12.5)
χ² 1.40
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

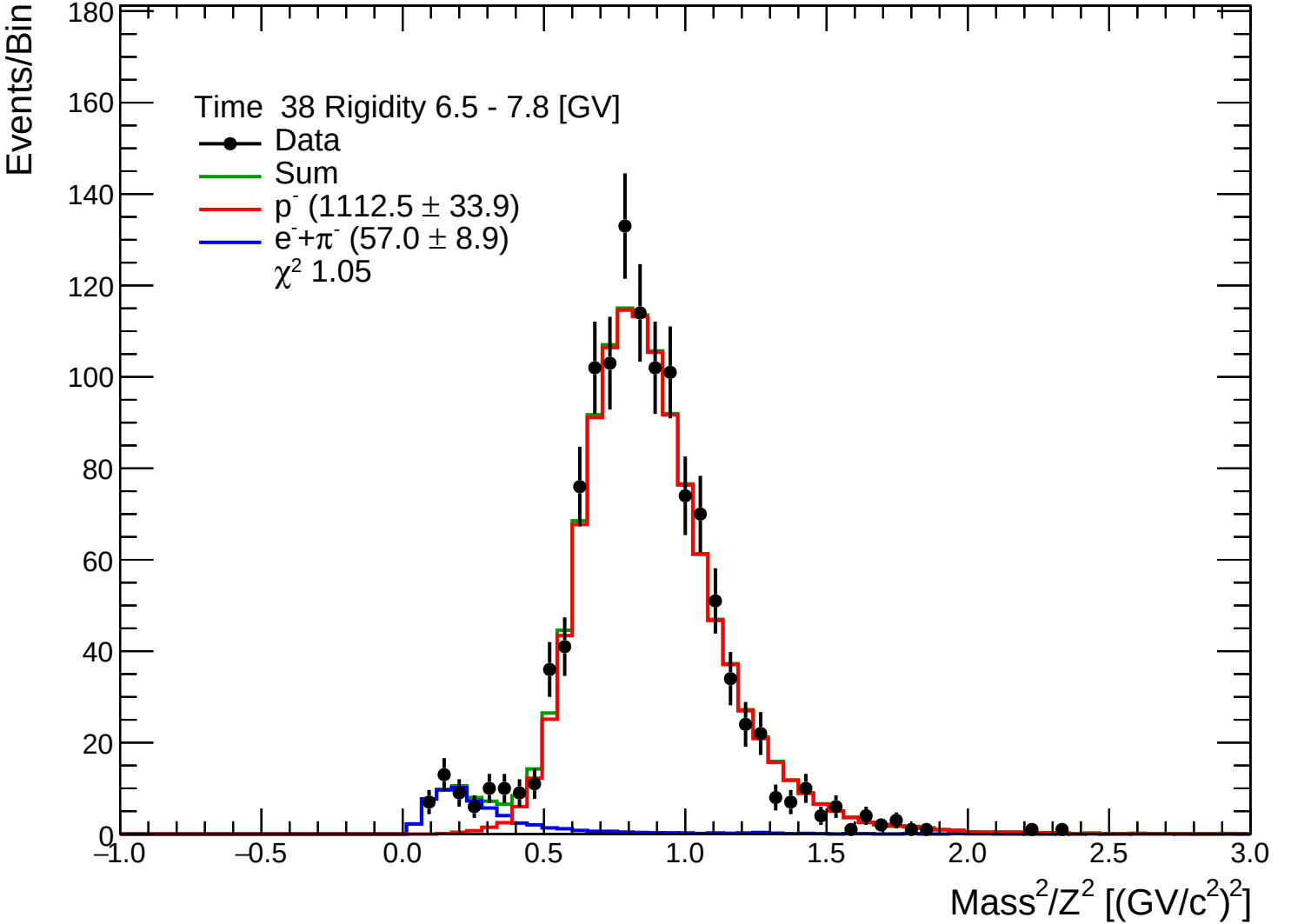

Events/Bin
400
350
300
250
200
150
100
50
0
415
420
425
430
435
440
445
450
455
460
Number [Temp 0]

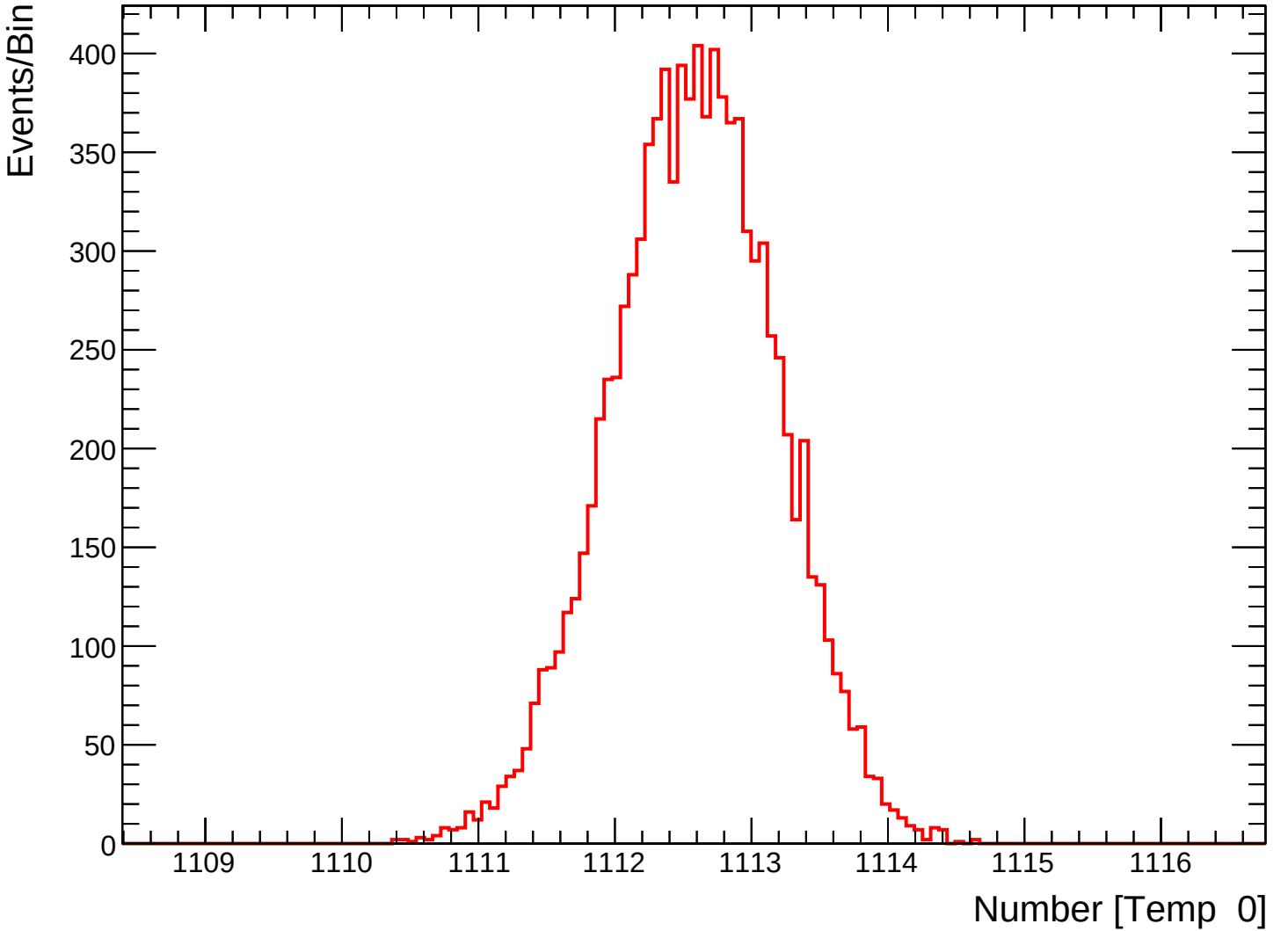

Time 38 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (806.1 ± 30.5)
e⁻+π⁻ (16.9 ± 11.7)
χ² 0.95
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

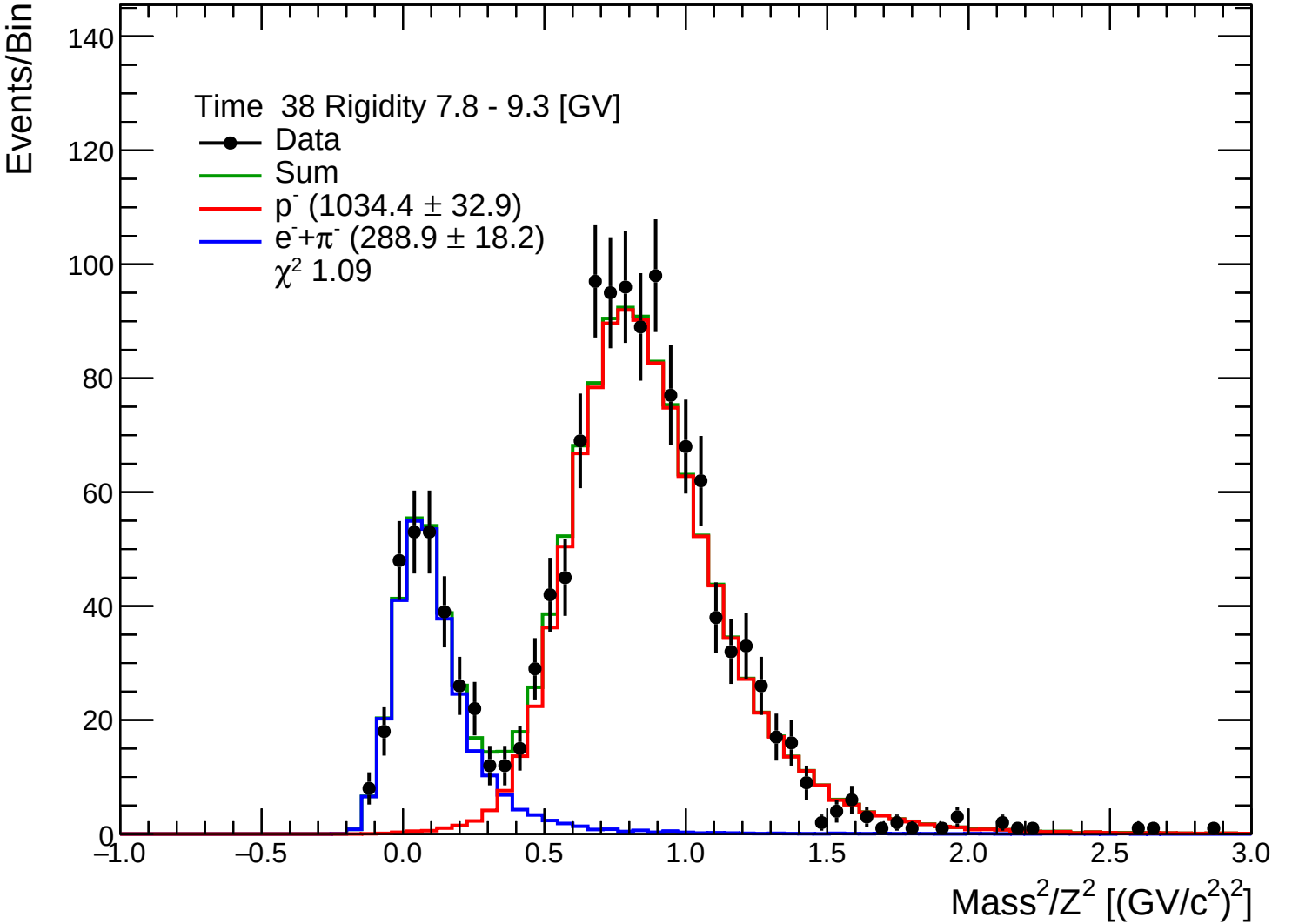

Events/Bin
400
350
300
250
200
150
100
50
0
795
800
805
810
815
820
Number [Temp 0]

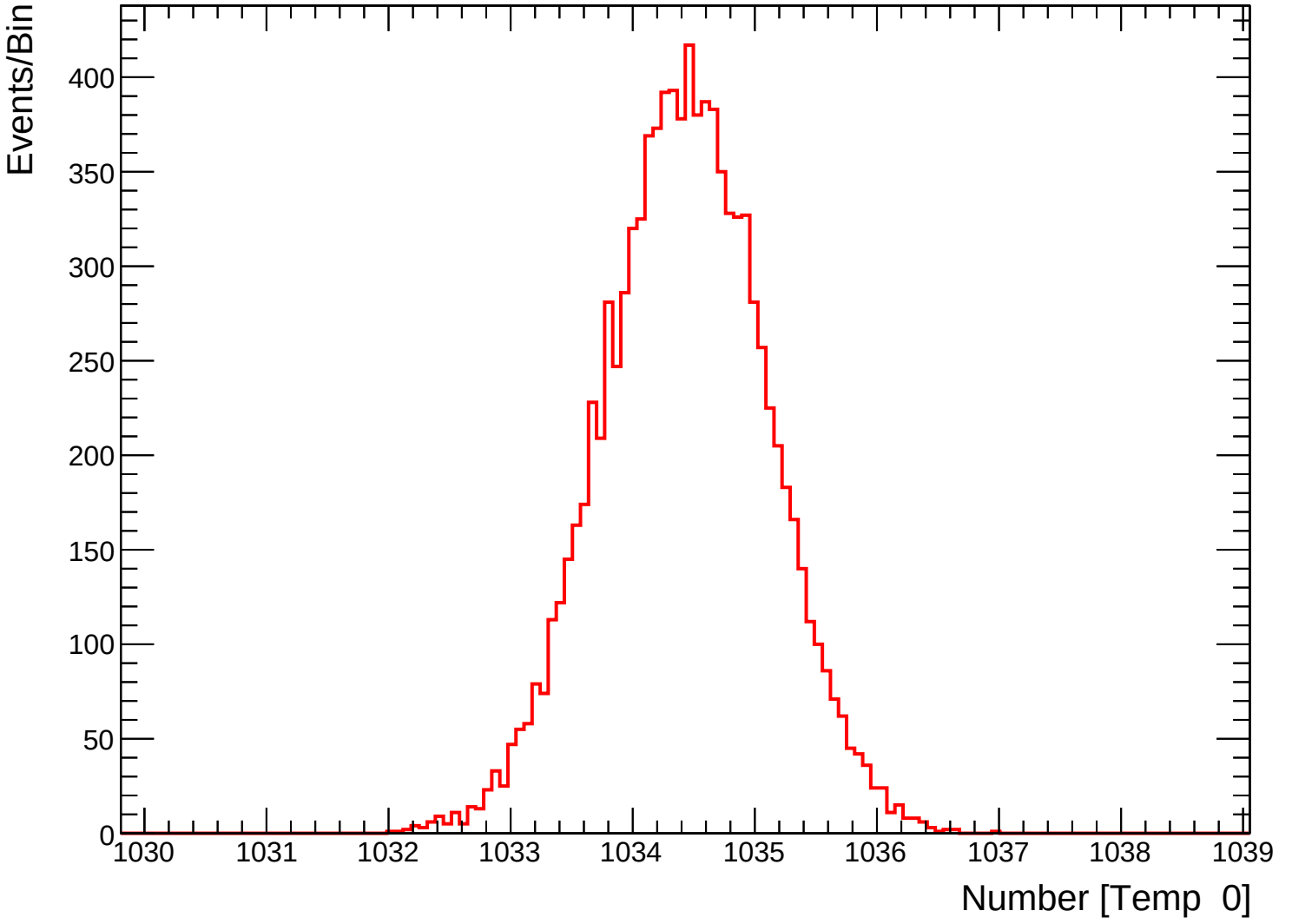

Time 38 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (1007.8 ± 32.8)
e⁻+π⁻ (12.1± 8.3)
χ² 0.95
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

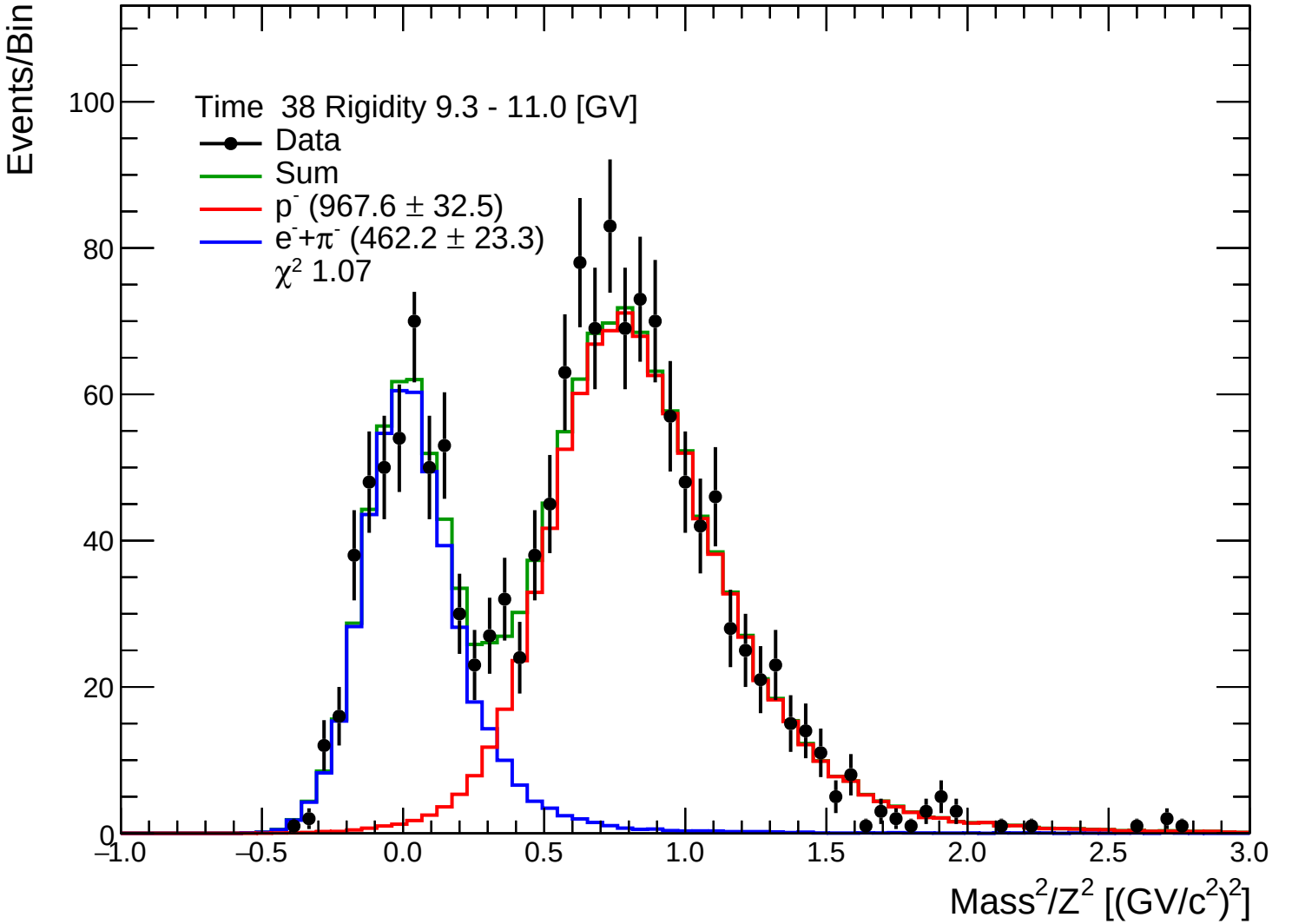

Events/Bin
400
350
300
250
200
150
100
50
0
998
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
Number [Temp 0]

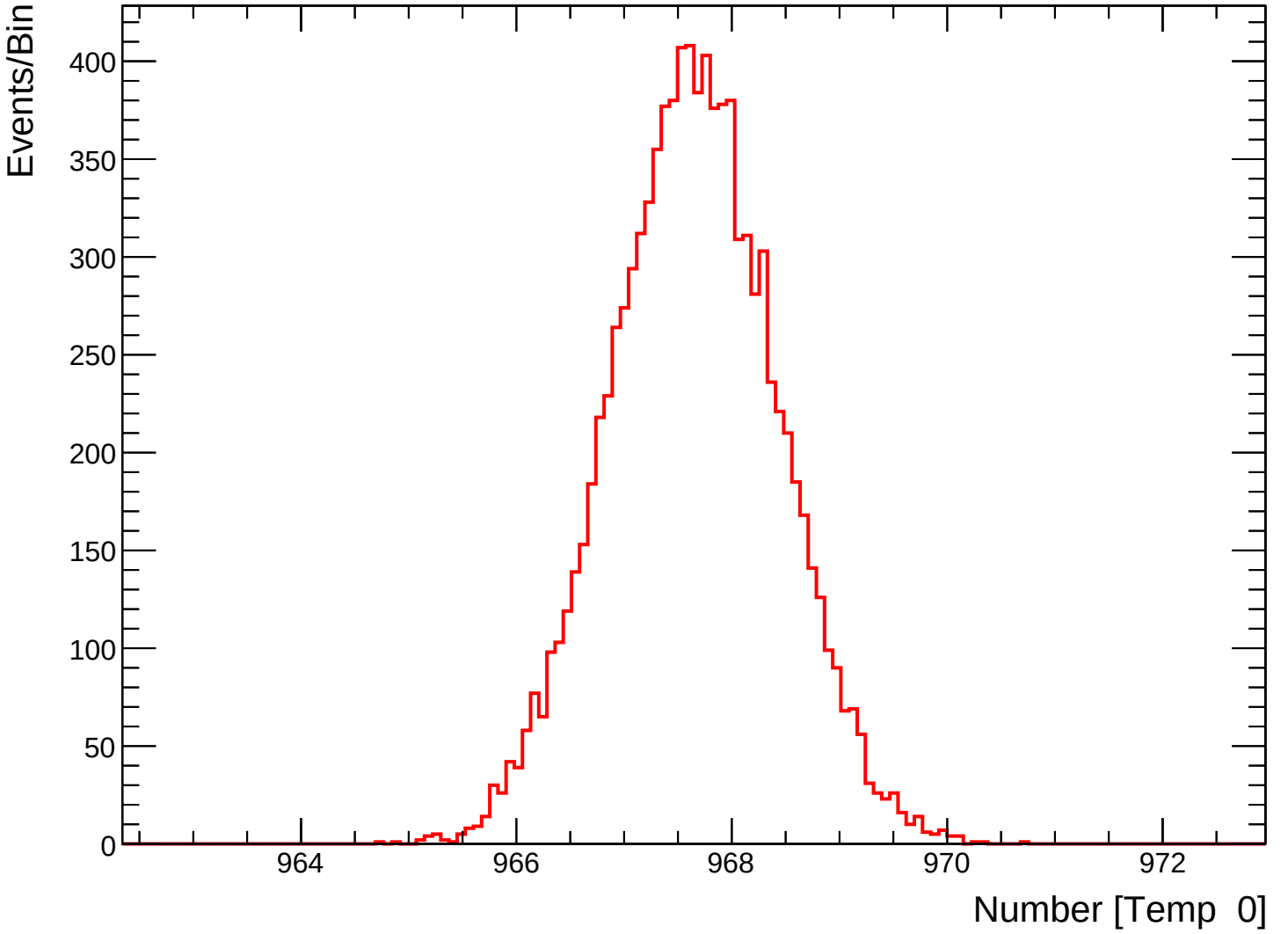

Time 38 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1112.5 ± 33.9)
e⁻+π⁻ (57.0 ± 8.9)
χ² 1.05
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

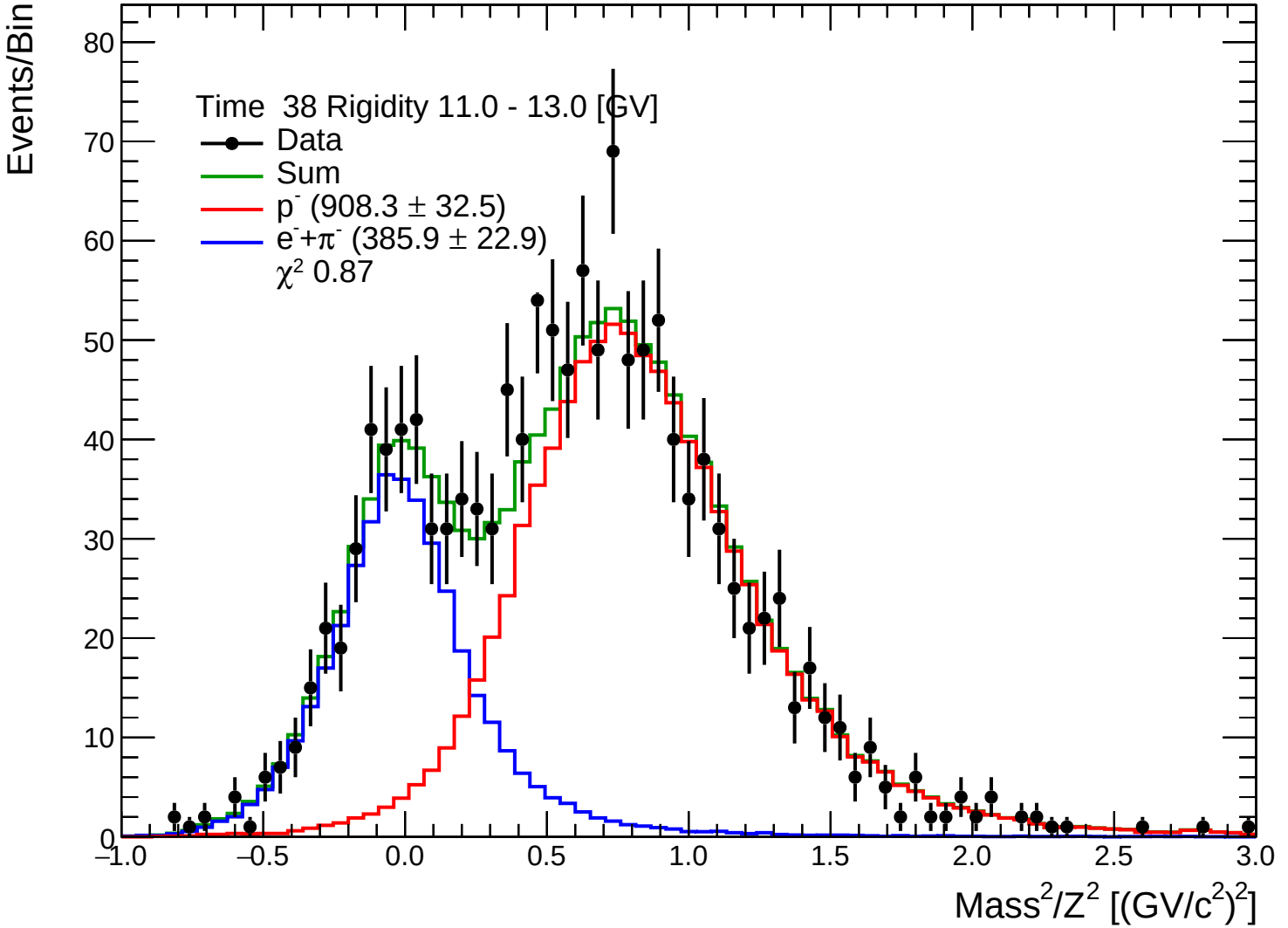

Events/Bin
400
350
300
250
200
150
100
50
0
1109
1110
1111
1112
1113
1114
1115
1116
Number [Temp 0]

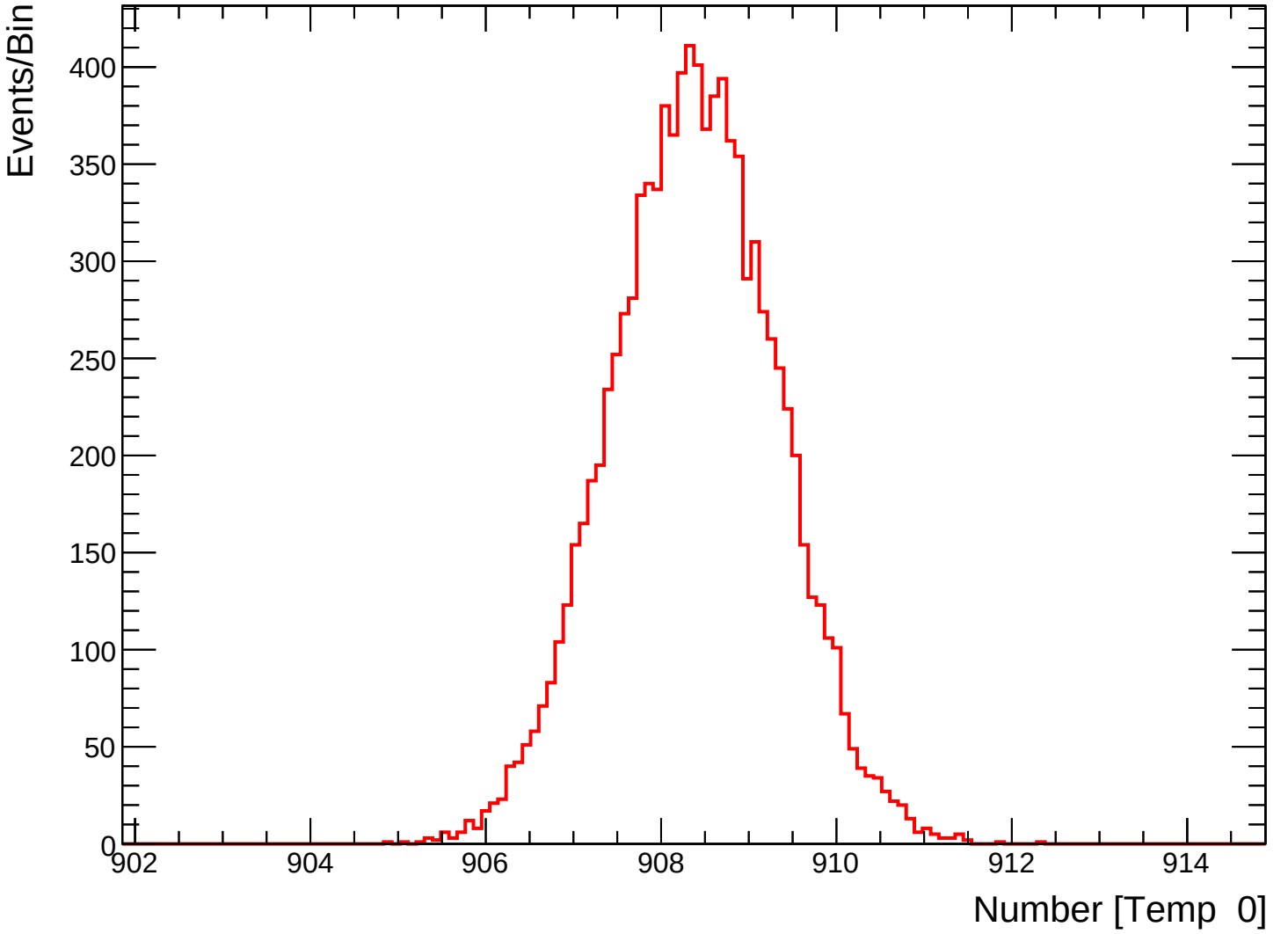

Time 38 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1034.4 ± 32.9)
e⁻+π⁻ (288.9 ± 18.2)
χ² 1.09
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

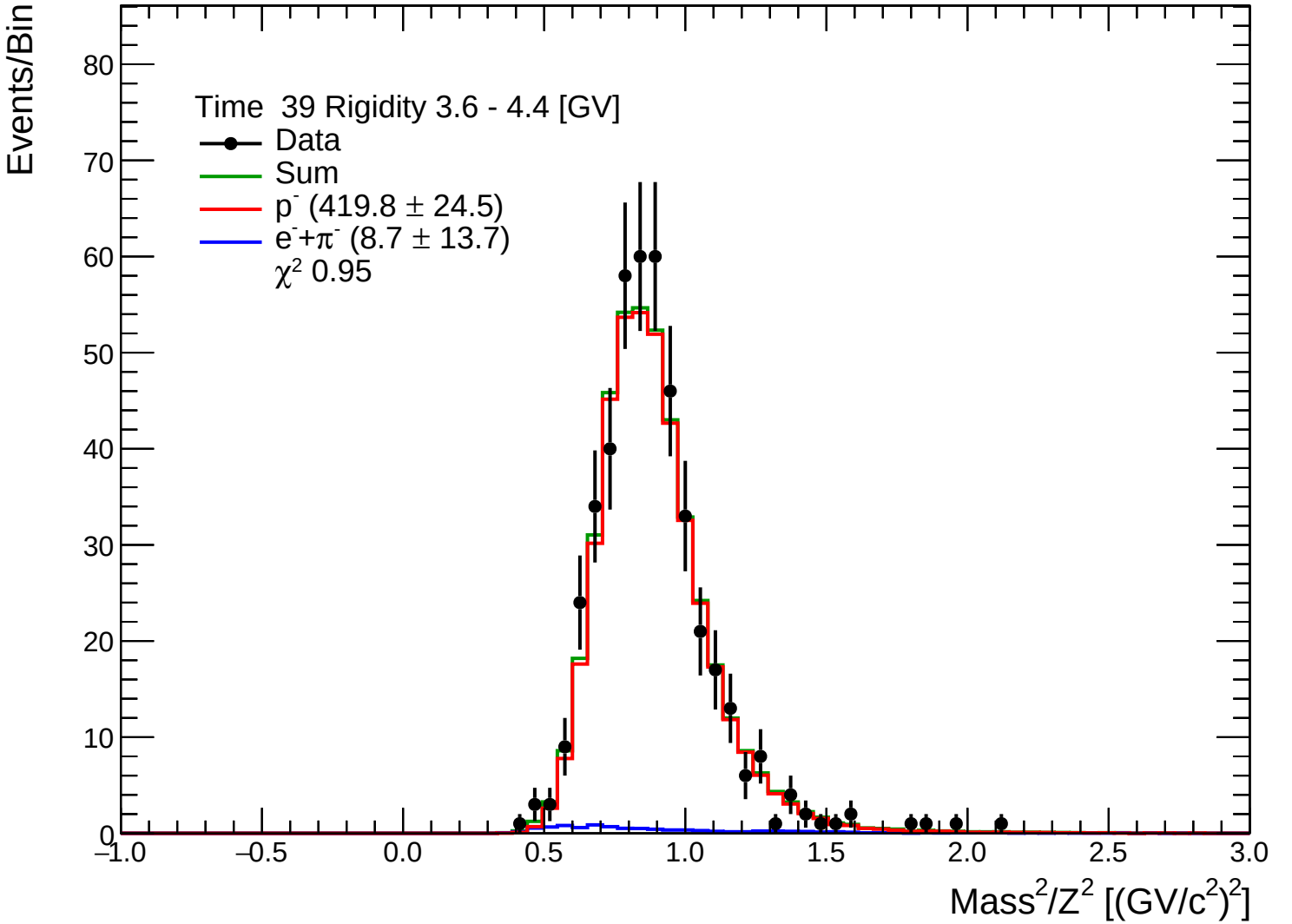

Events/Bin
400
350
300
250
200
150
100
50
0
1030
1031
1032
1033
1034
1035
1036
1037
1038
1039
Number [Temp 0]

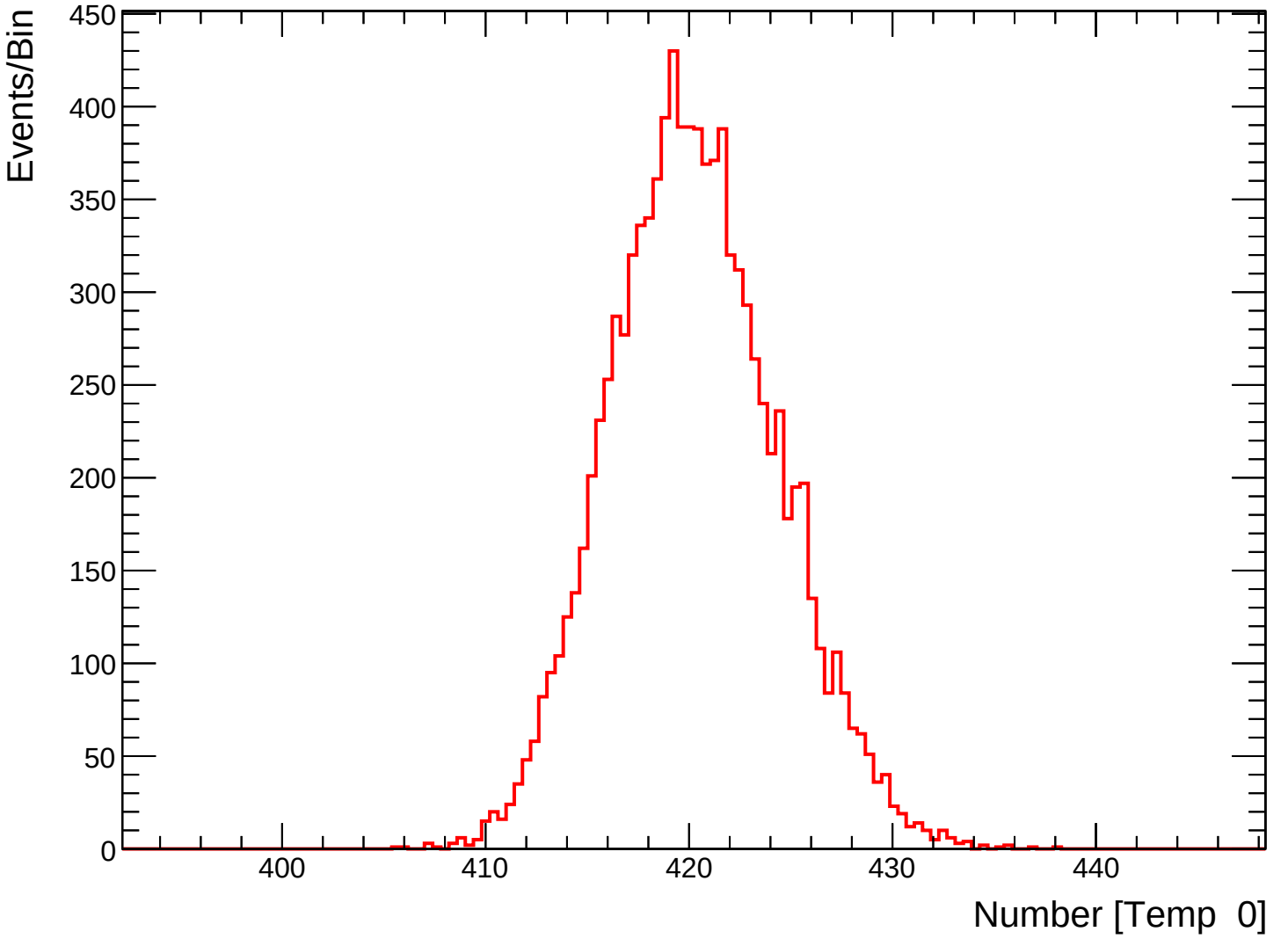

Time 38 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (967.6 ± 32.5)
e⁻+π⁻ (462.2 ± 23.3)
χ² 1.07
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

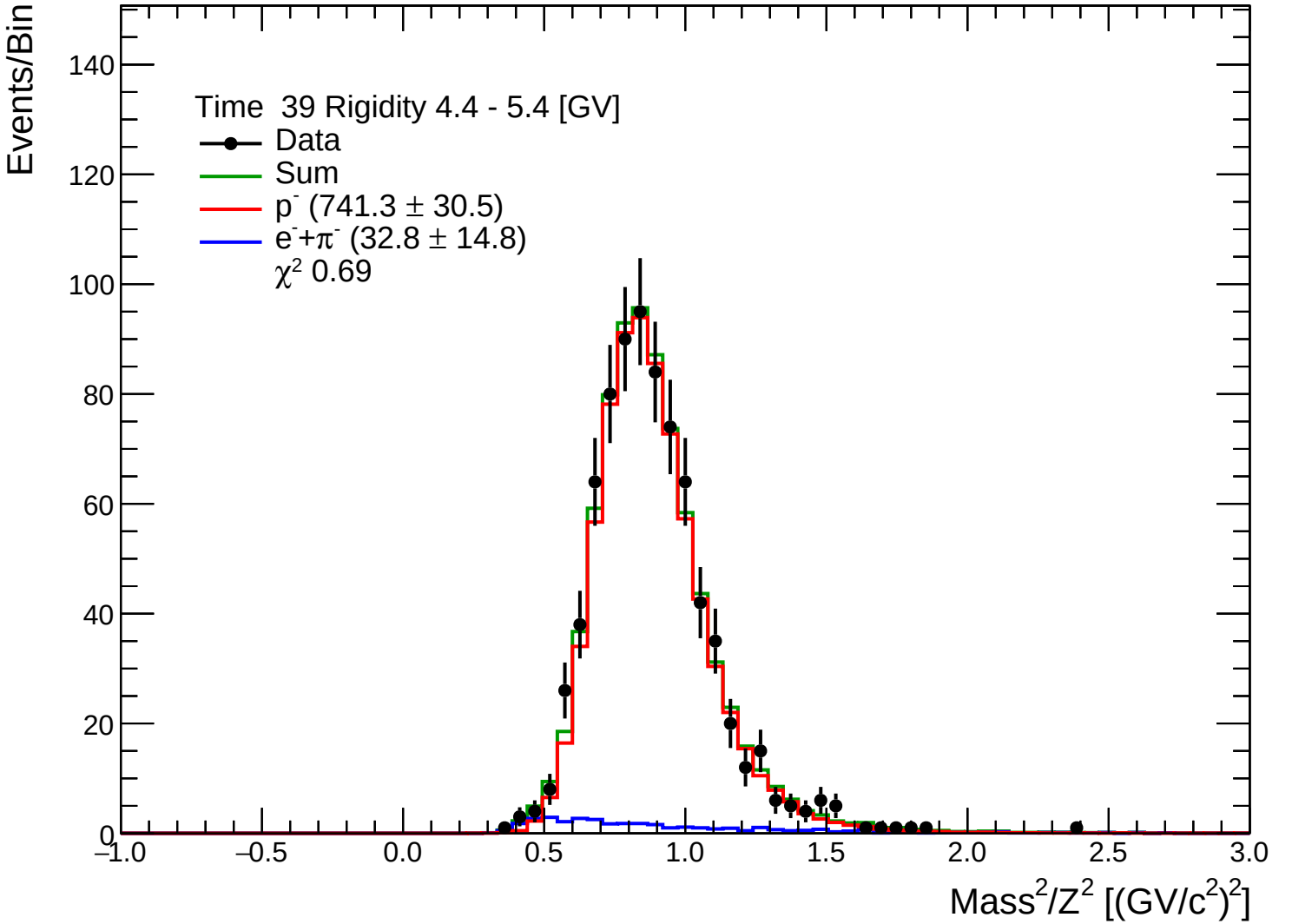

Events/Bin
400
350
300
250
200
150
100
50
0
964
966
968
970
972
Number [Temp 0]

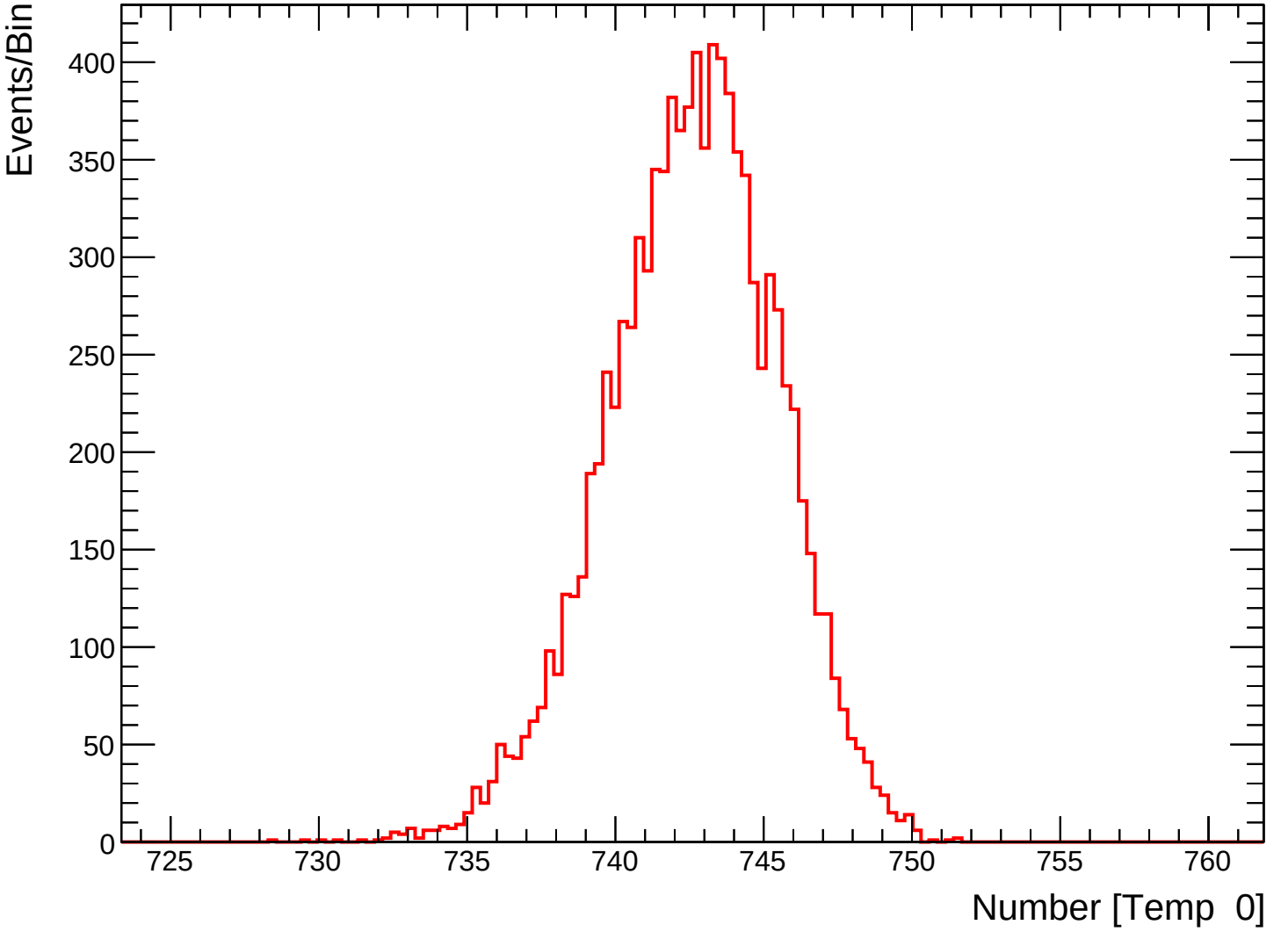

Time 38 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (908.3 ± 32.5)
e⁻+π⁻ (385.9 ± 22.9)
χ² 0.87
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

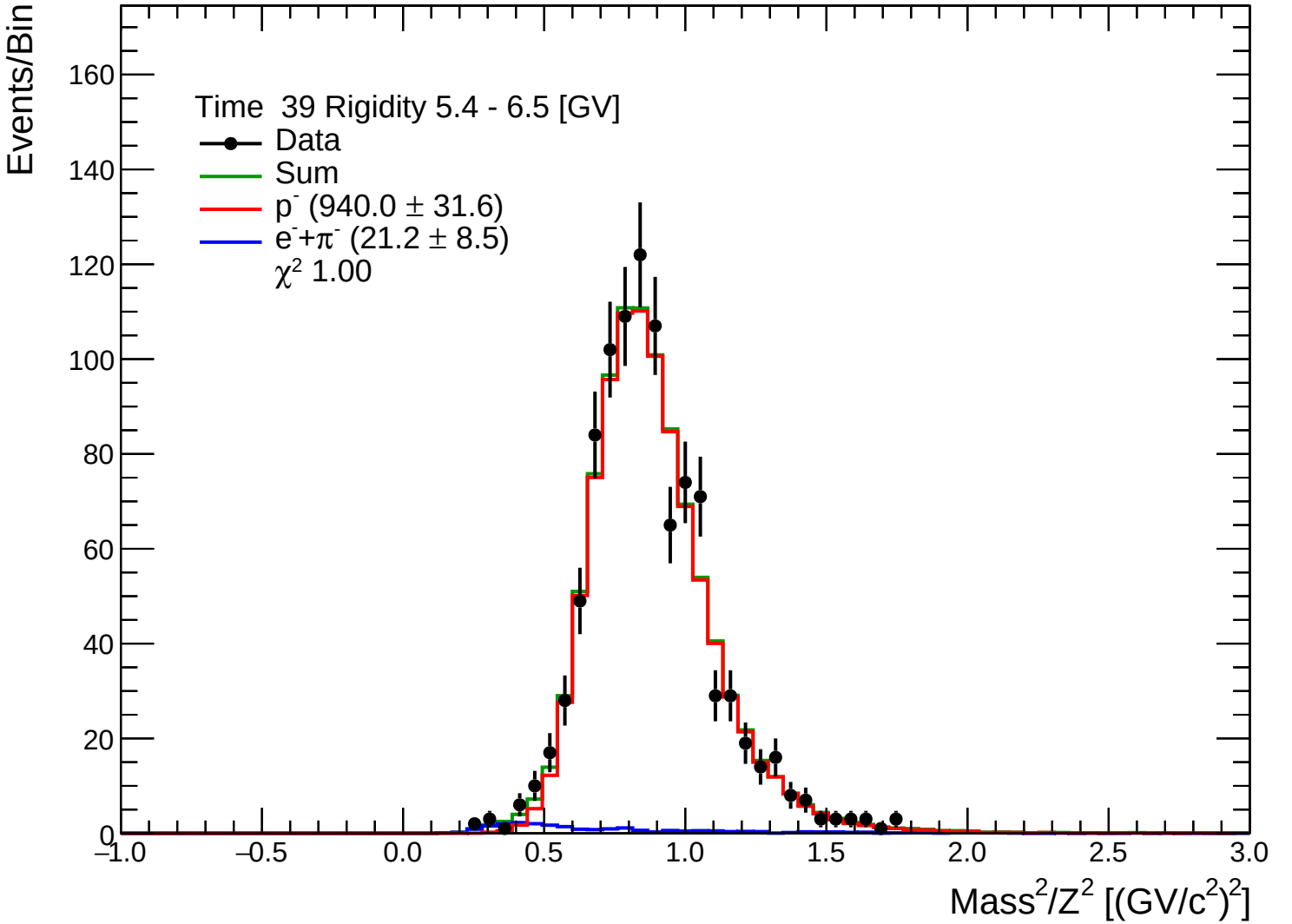

Events/Bin
400
350
300
250
200
150
100
50
0
902
904
906
908
910
912
914
Number [Temp 0]

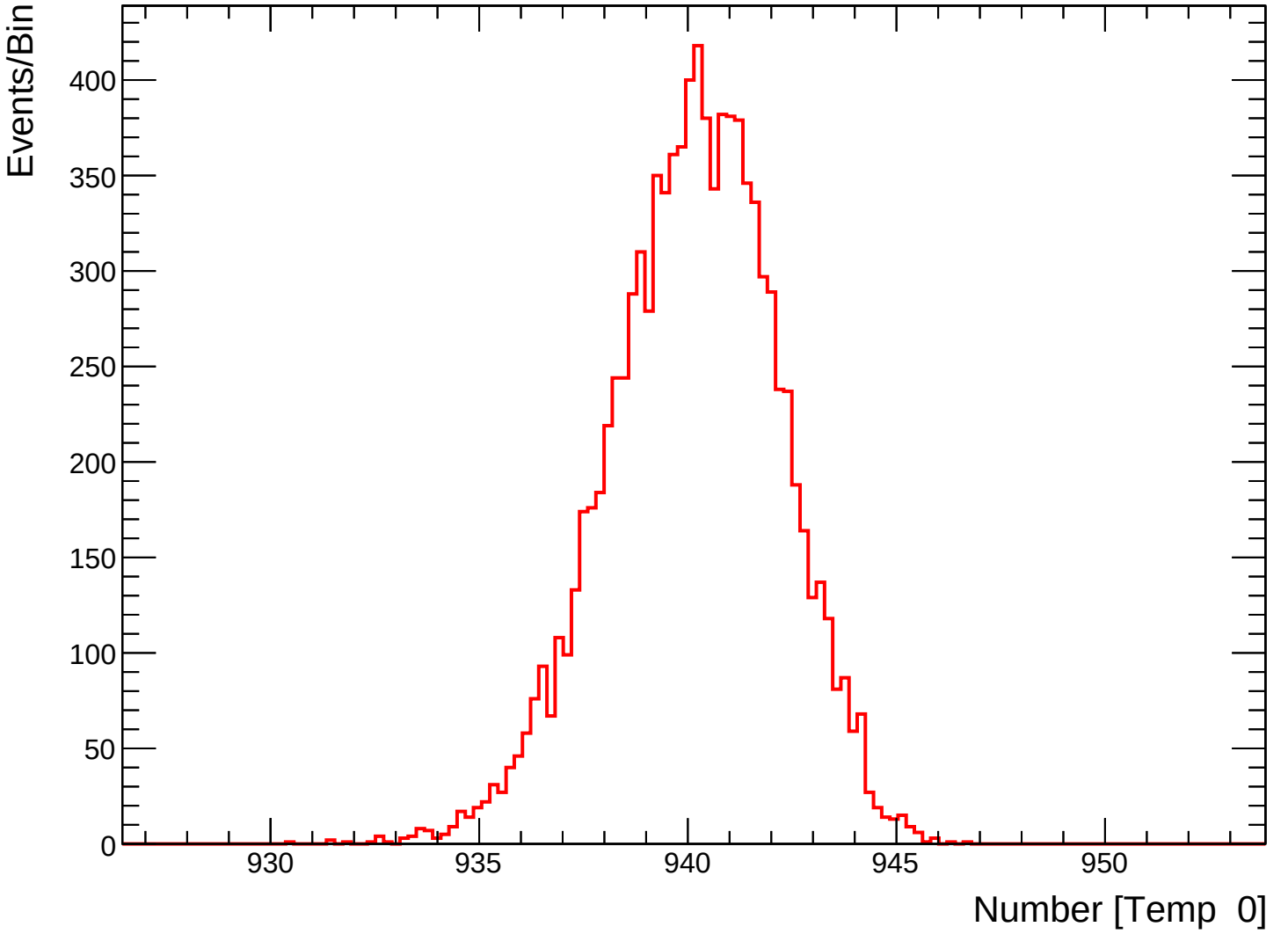

Time 39 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (419.8 ± 24.5)
e⁻+π⁻ (8.7 ± 13.7)
χ² 0.95
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

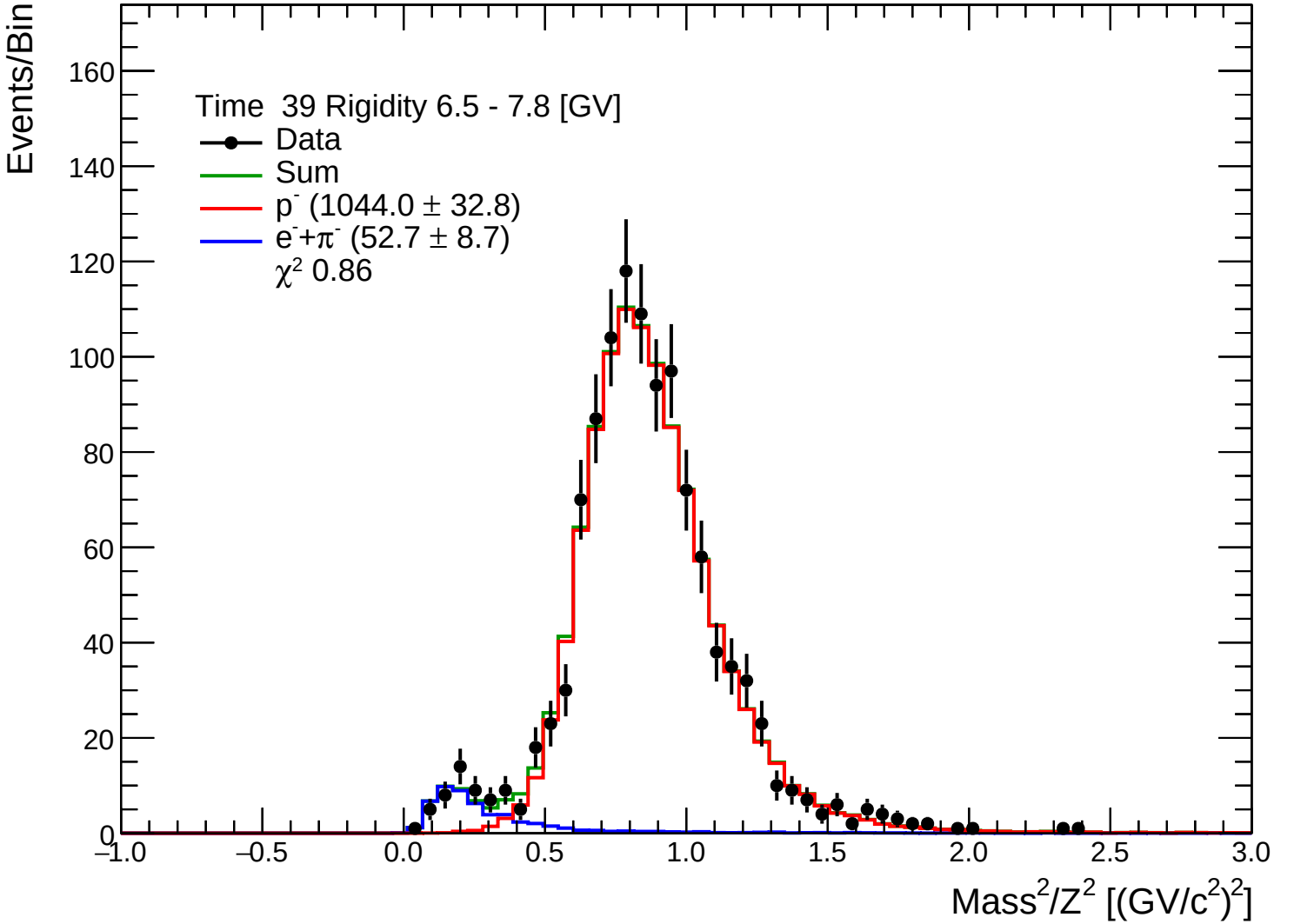

Events/Bin
450
400
350
300
250
200
150
100
50
0
400
410
420
430
440
Number [Temp 0]

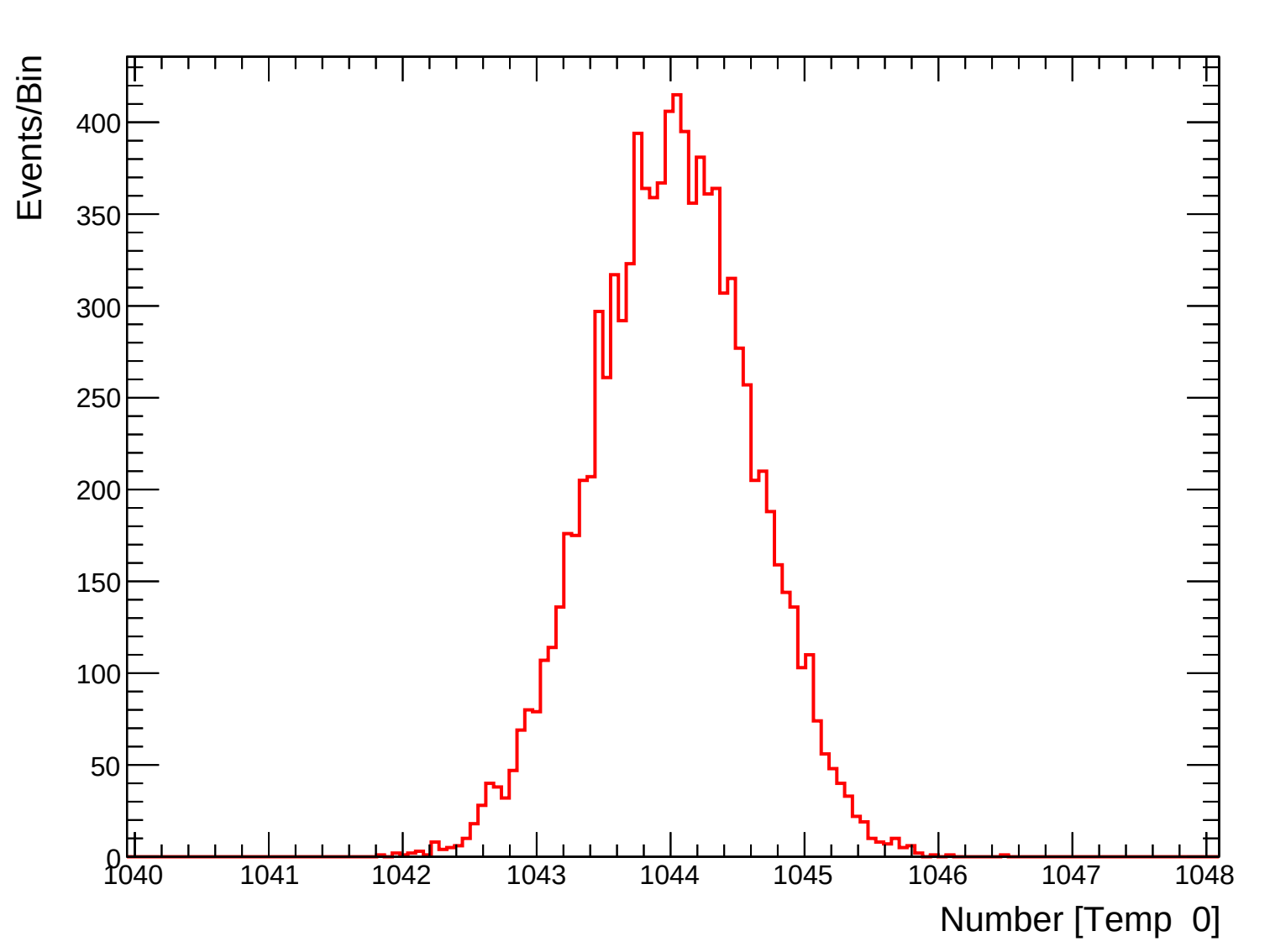

Time 39 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (741.3 ± 30.5)
e⁻+π⁻ (32.8 ± 14.8)
χ² 0.69
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

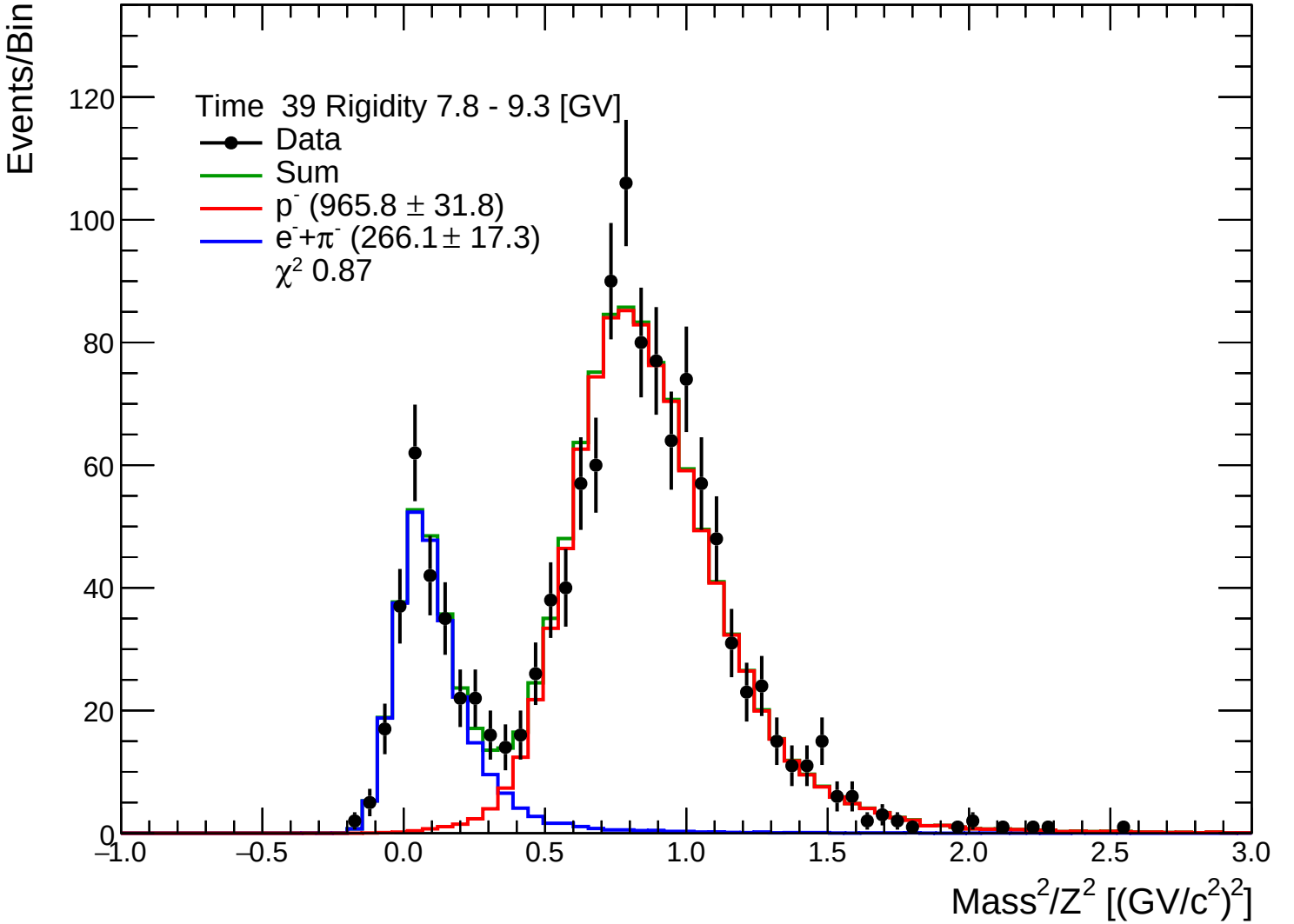

Events/Bin
400
350
300
250
200
150
100
50
0
725
730
735
740
745
750
755
760
Number [Temp 0]

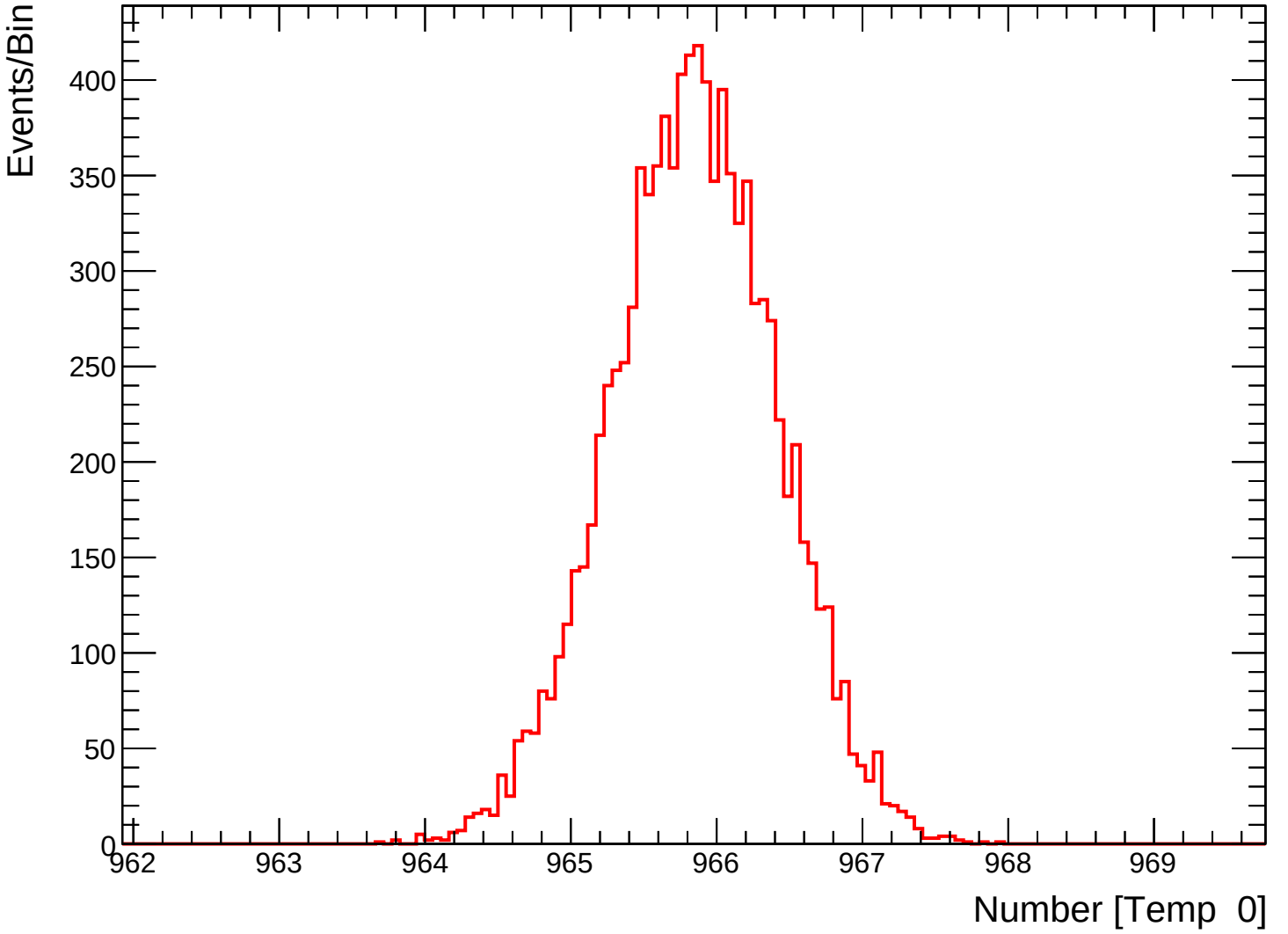

Time 39 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (940.0 ± 31.6)
e⁻+π⁻ (21.2 ± 8.5)
χ² 1.00
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

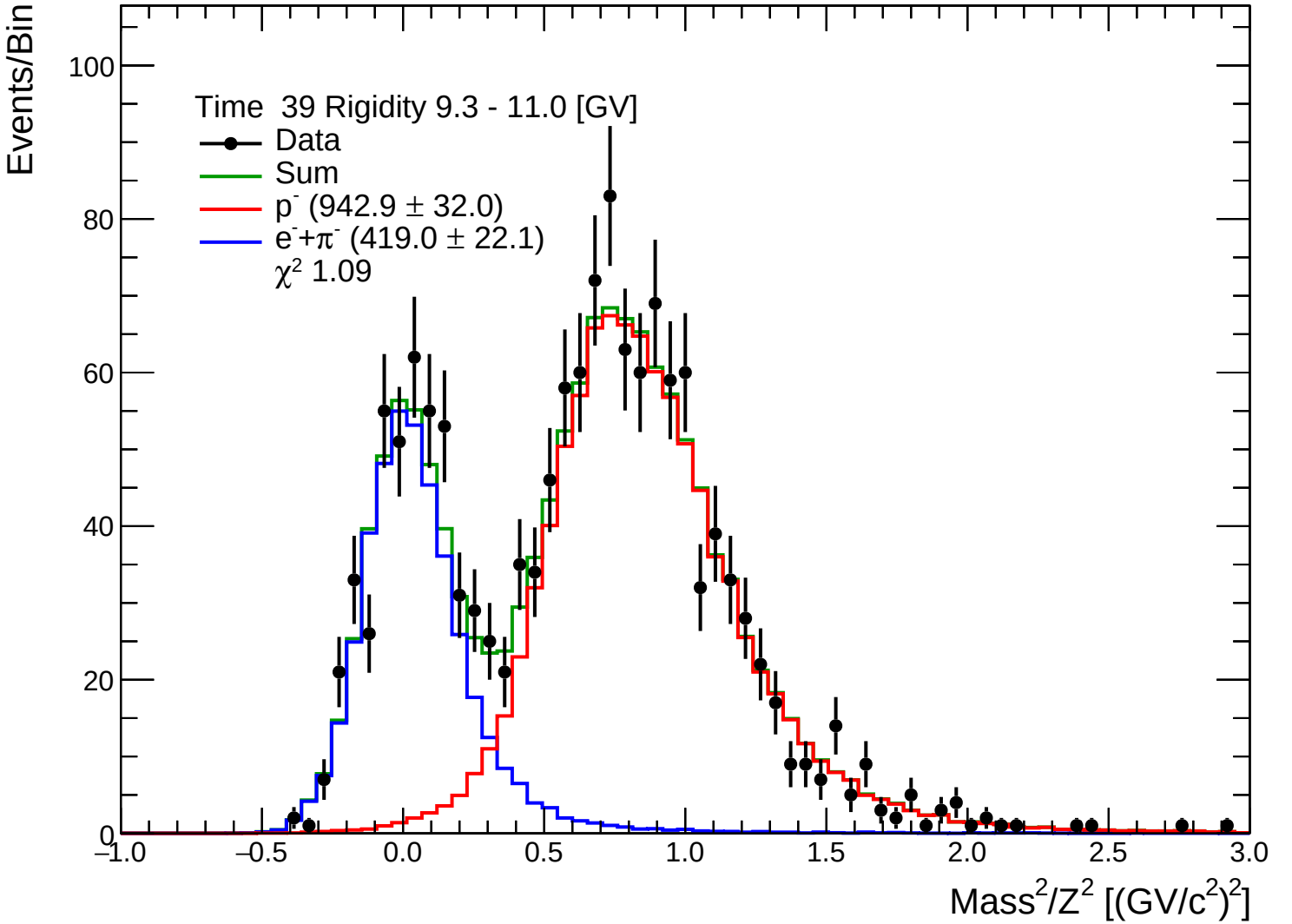

Events/Bin
400
350
300
250
200
150
100
50
0
930
935
940
945
950
Number [Temp 0]

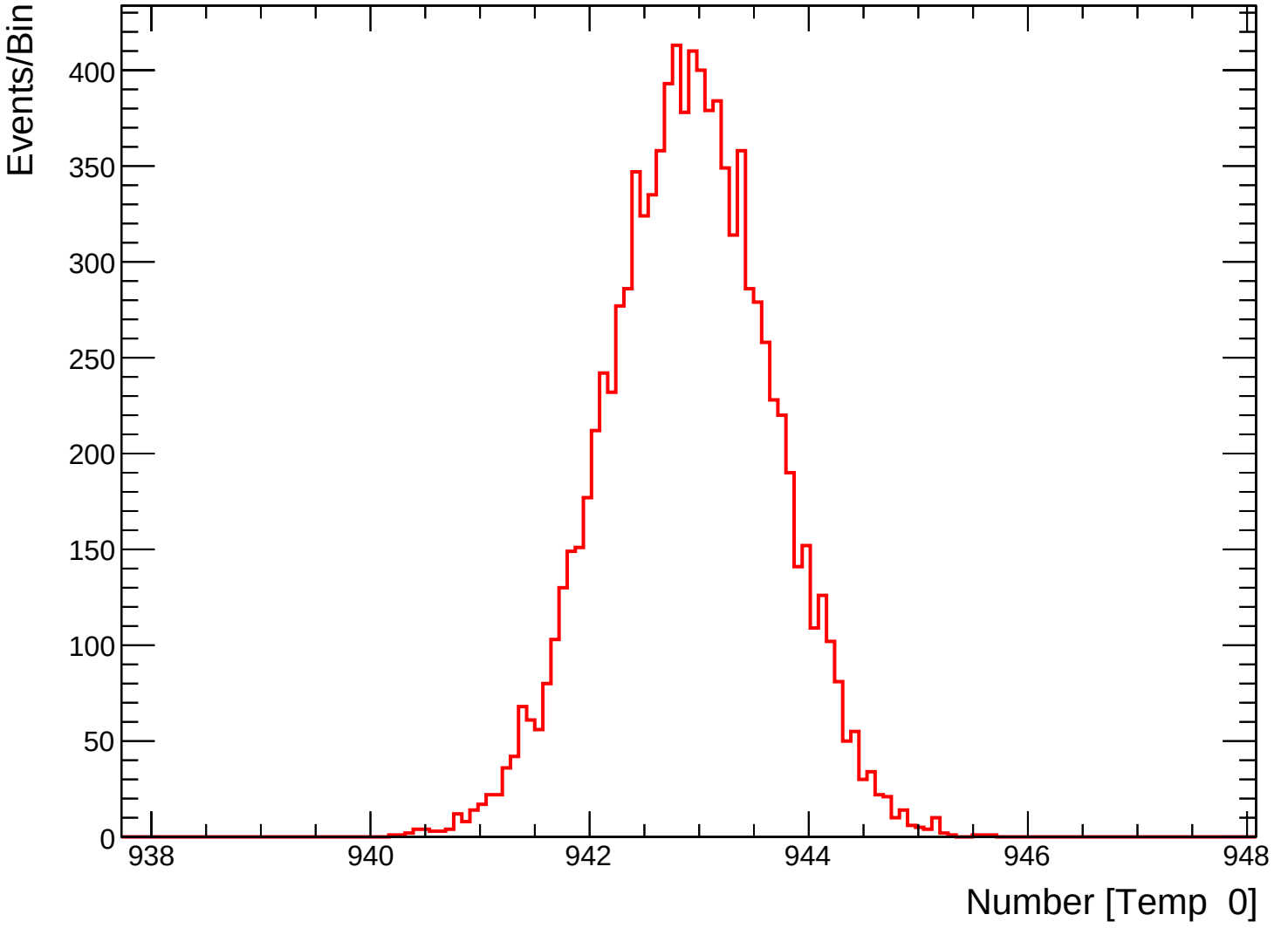

Time 39 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1044.0 ± 32.8)
e⁻+π⁻ (52.7 ± 8.7)
χ² 0.86
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

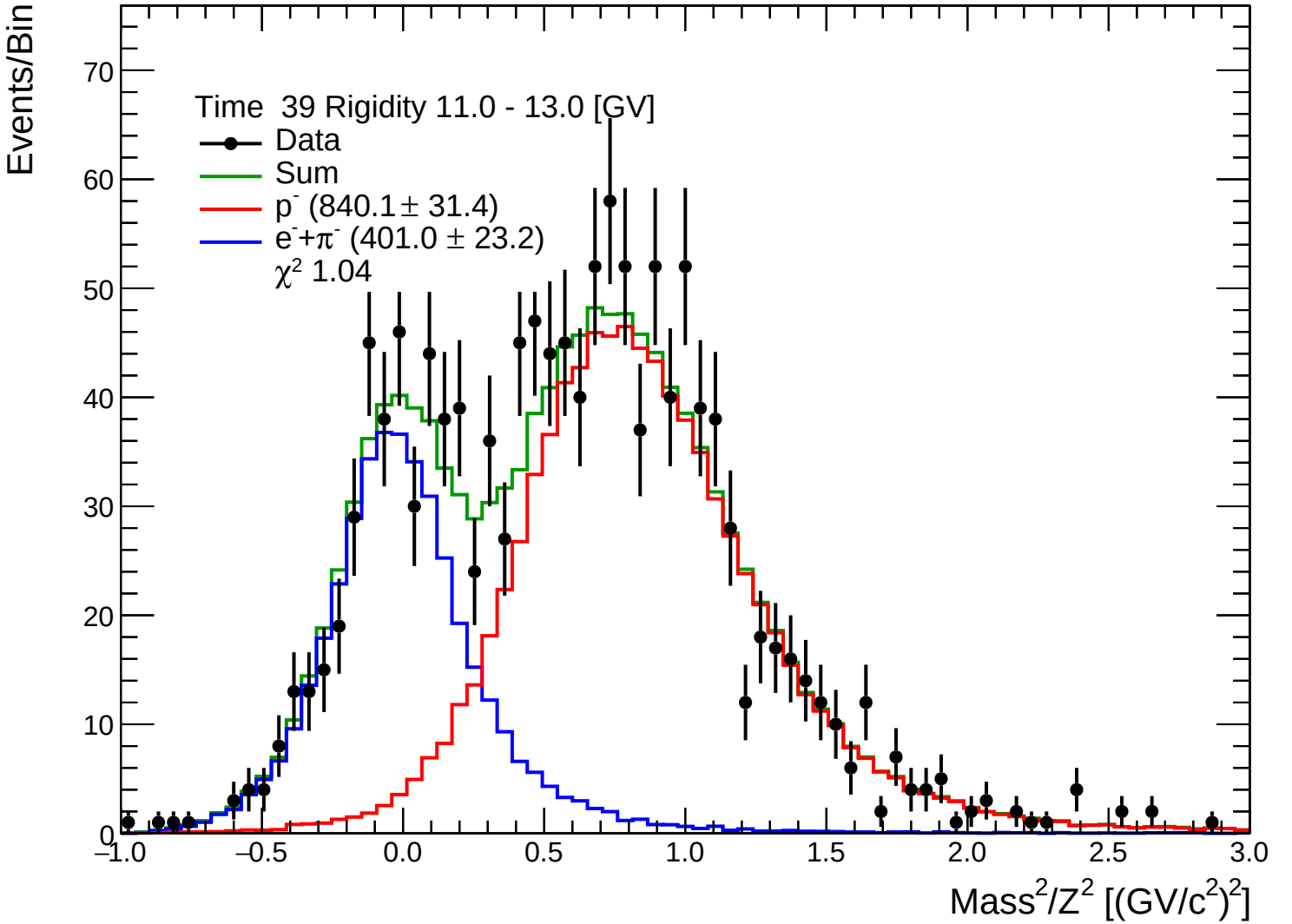

Events/Bin
400
350
300
250
200
150
100
50
0
1040
1041
1042
1043
1044
1045
1046
1047
1048
Number [Temp 0]

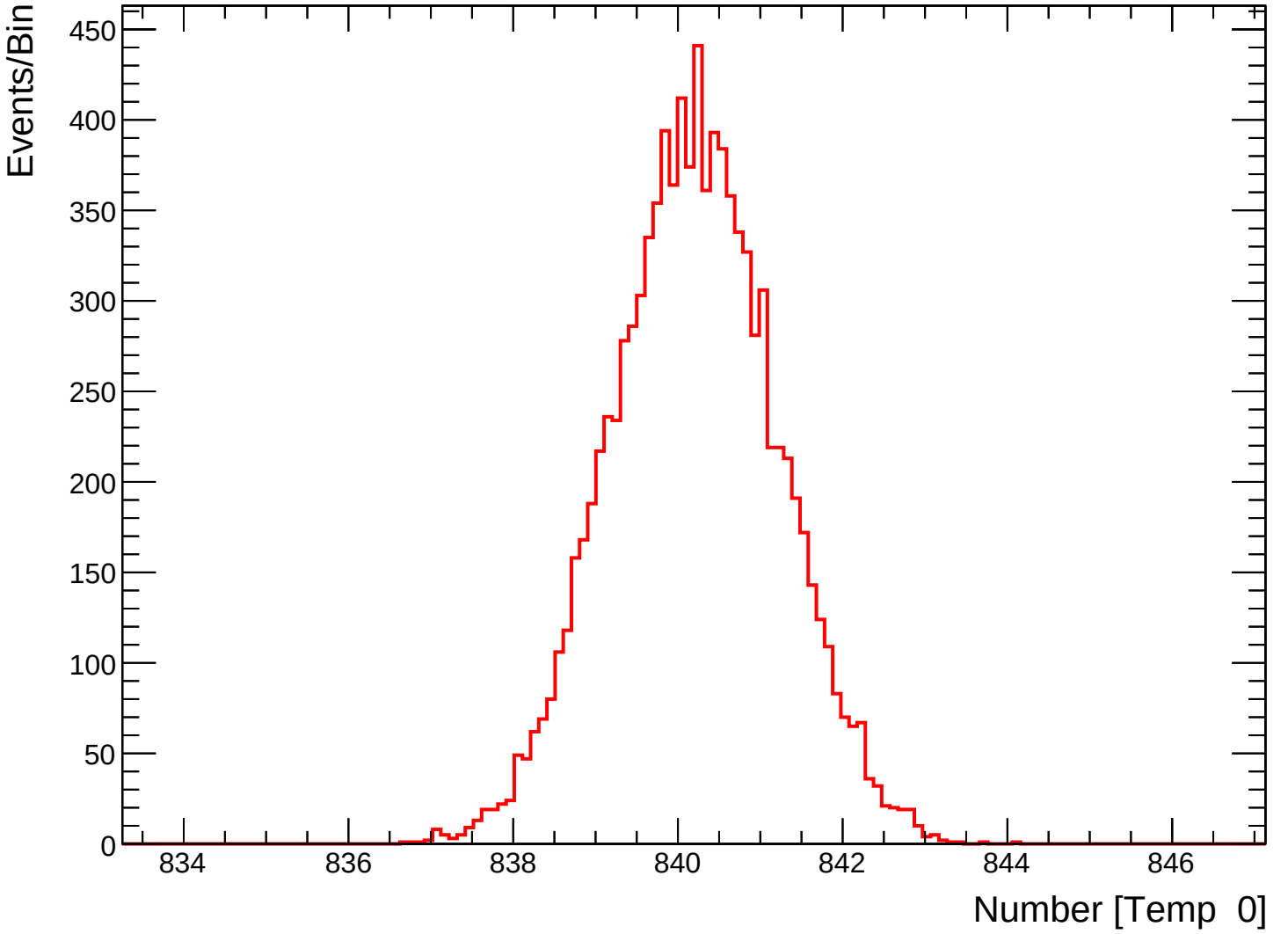

Time 39 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (965.8 ± 31.8)
e⁻+π⁻ (266.1 ± 17.3)
χ² 0.87
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

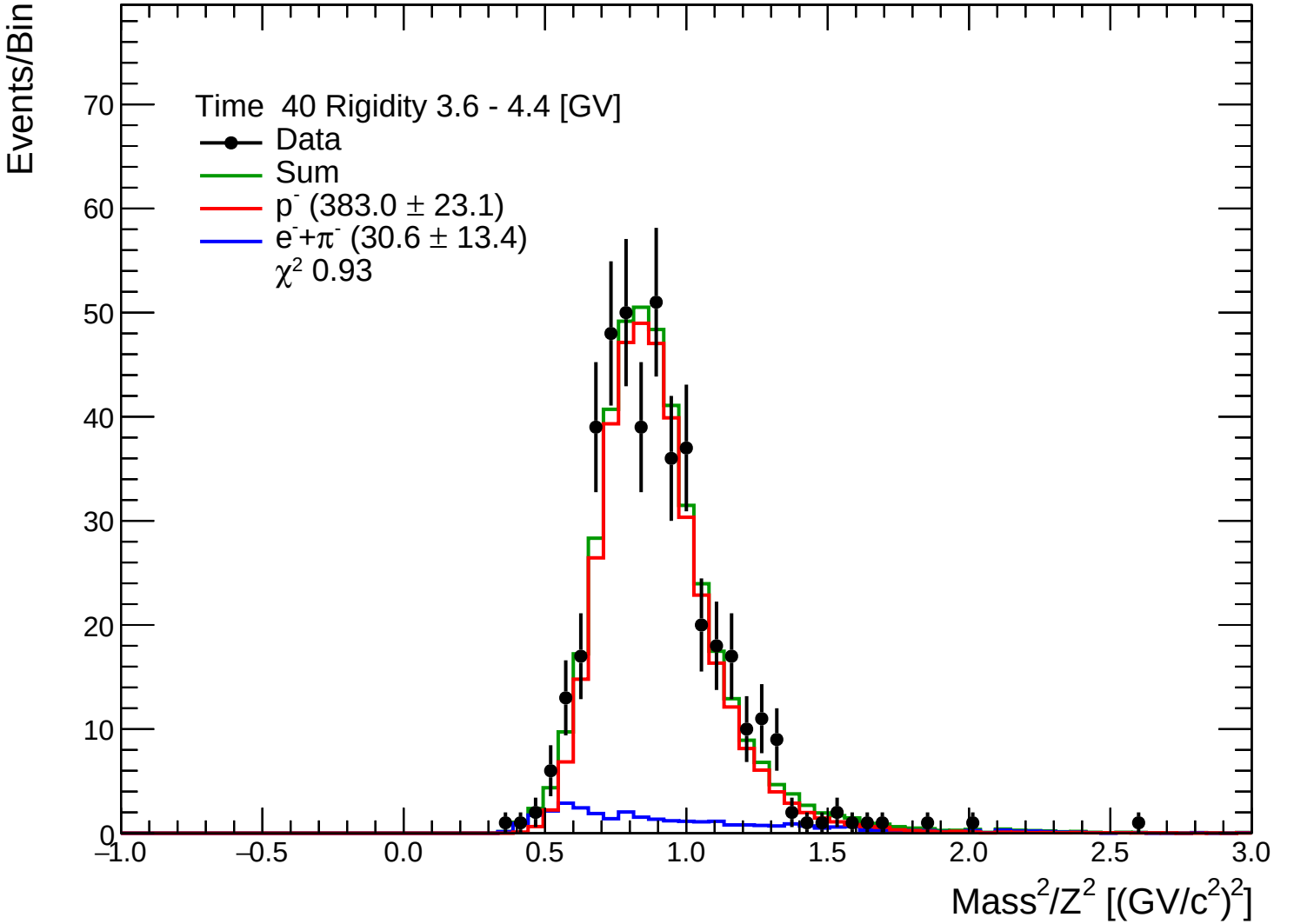

Events/Bin
400
350
300
250
200
150
100
50
0
962
963
964
965
966
967
968
969
Number [Temp 0]

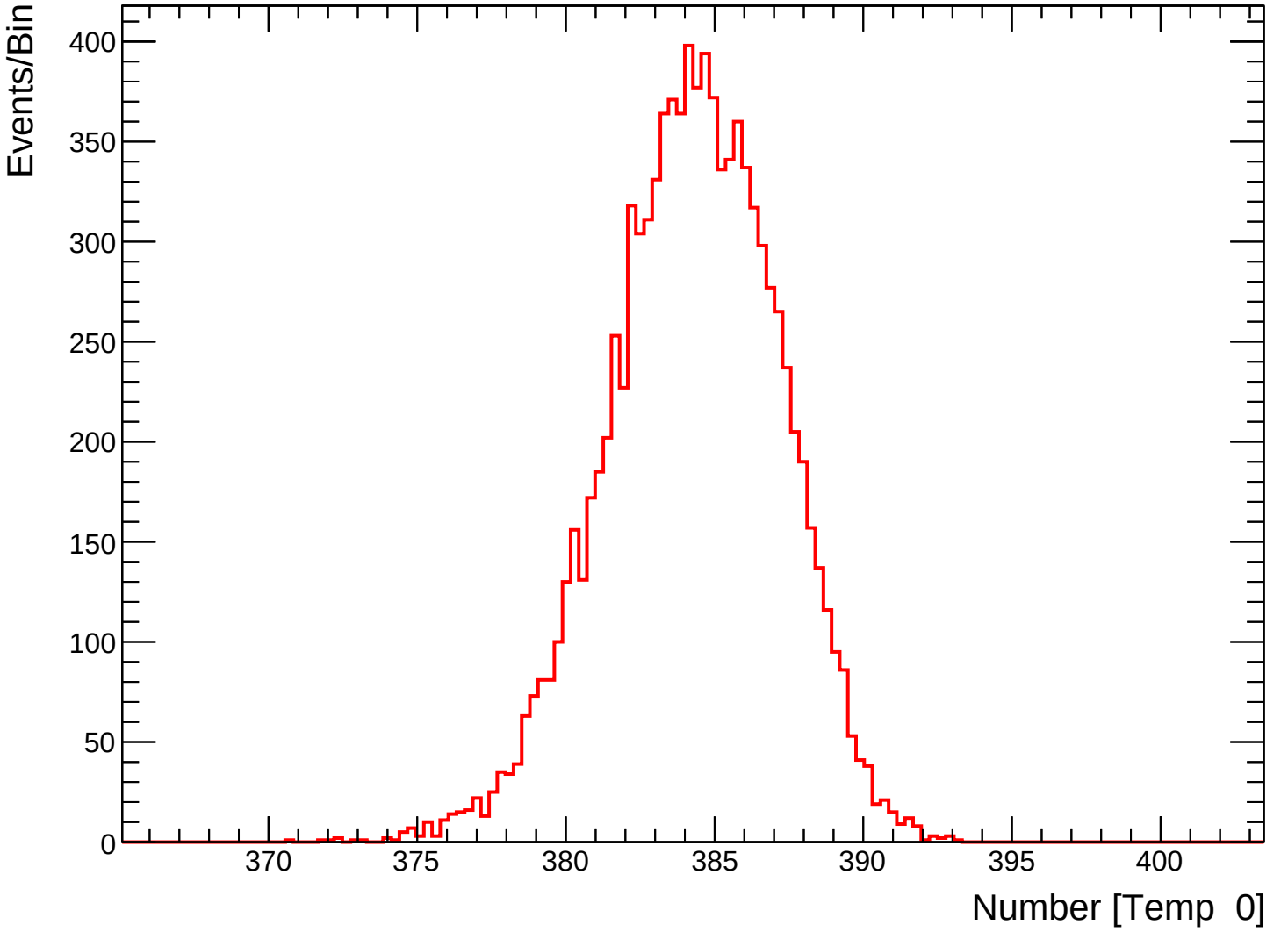

Time 39 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (942.9 ± 32.0)
e⁻+π⁻ (419.0 ± 22.1)
χ² 1.09
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

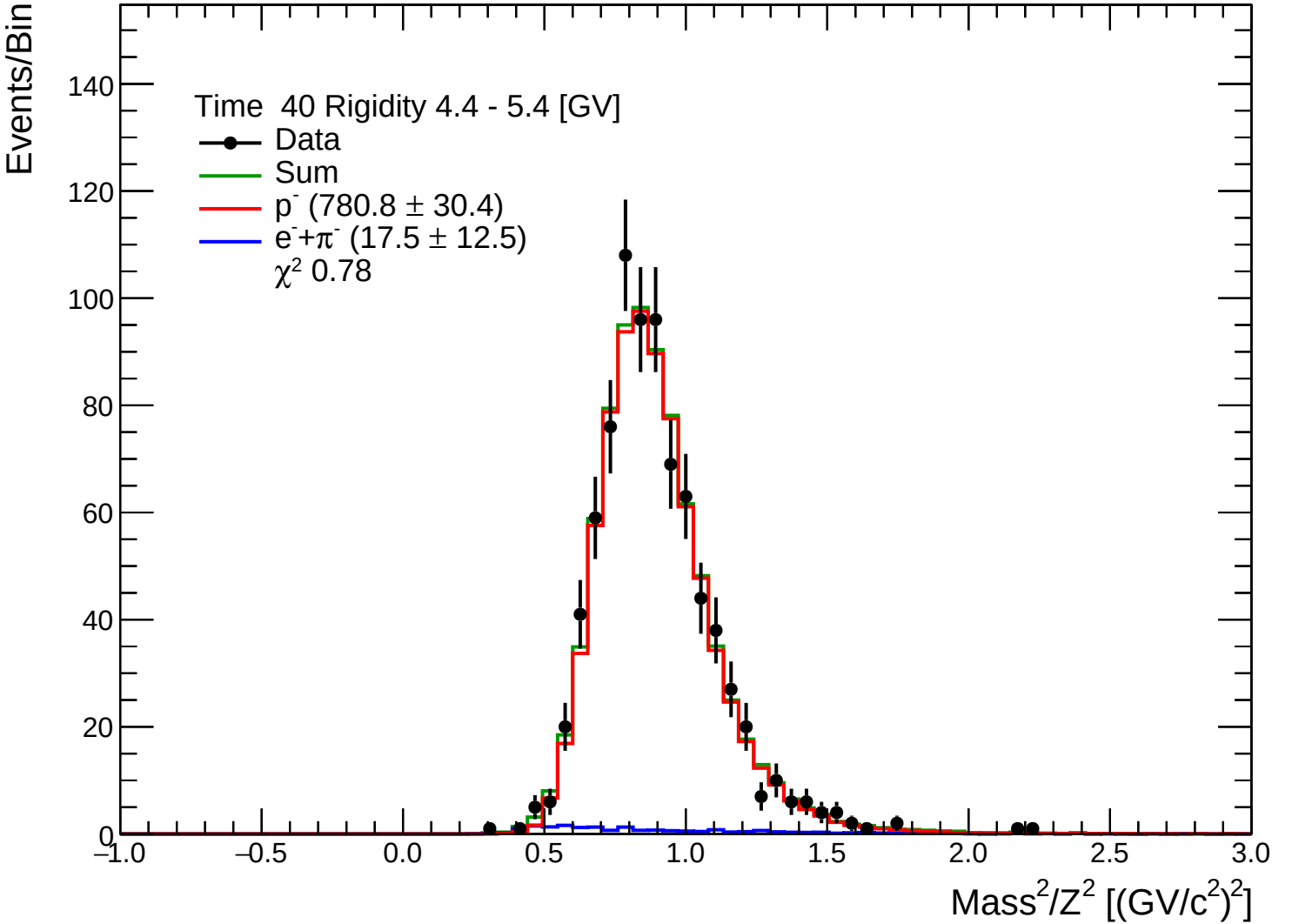

Events/Bin
400
350
300
250
200
150
100
50
0
938
940
942
944
946
948
Number [Temp 0]

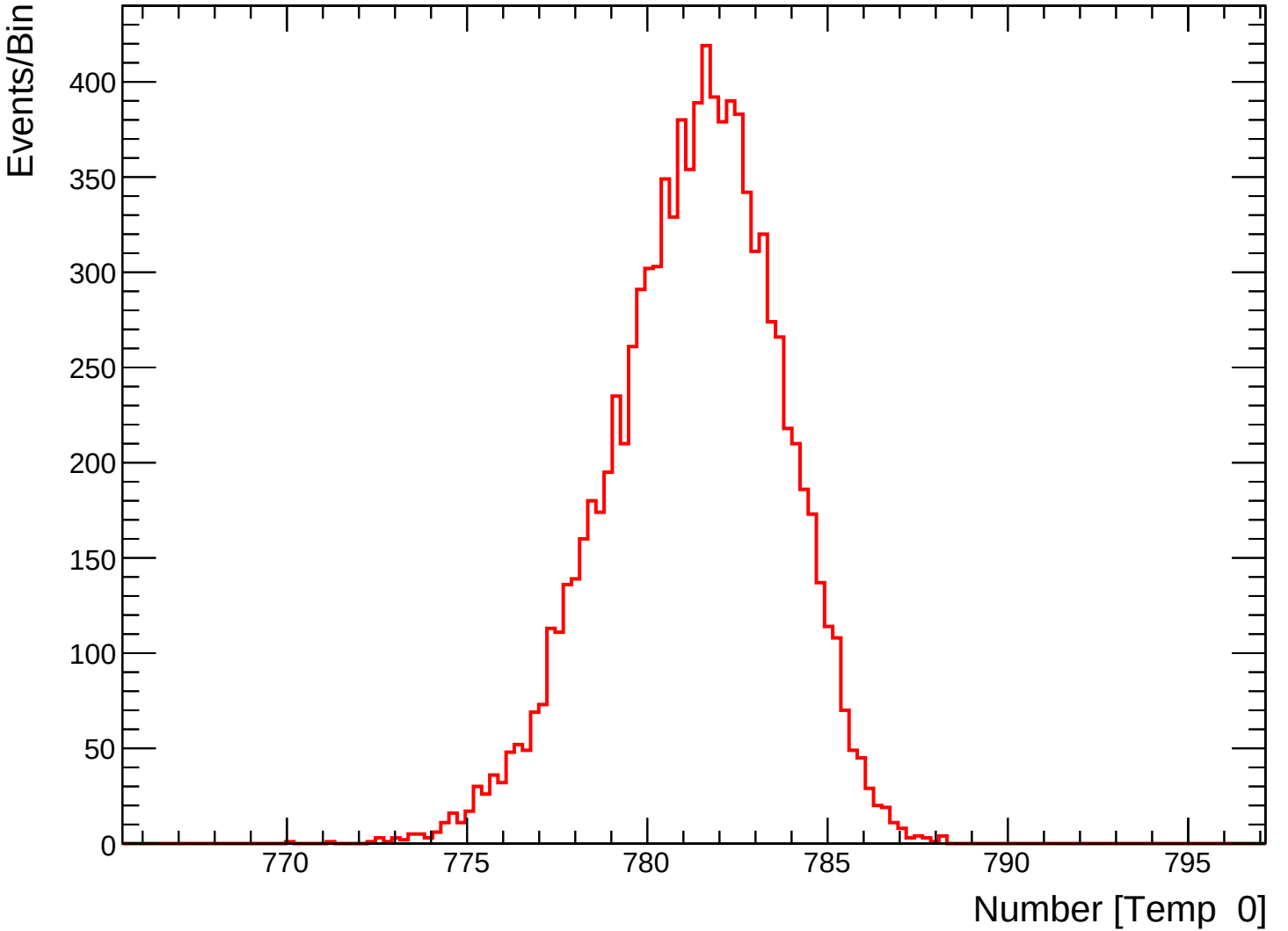

Time 39 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (840.1 ± 31.4)
e⁻+π⁻ (401.0 ± 23.2)
χ² 1.04
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

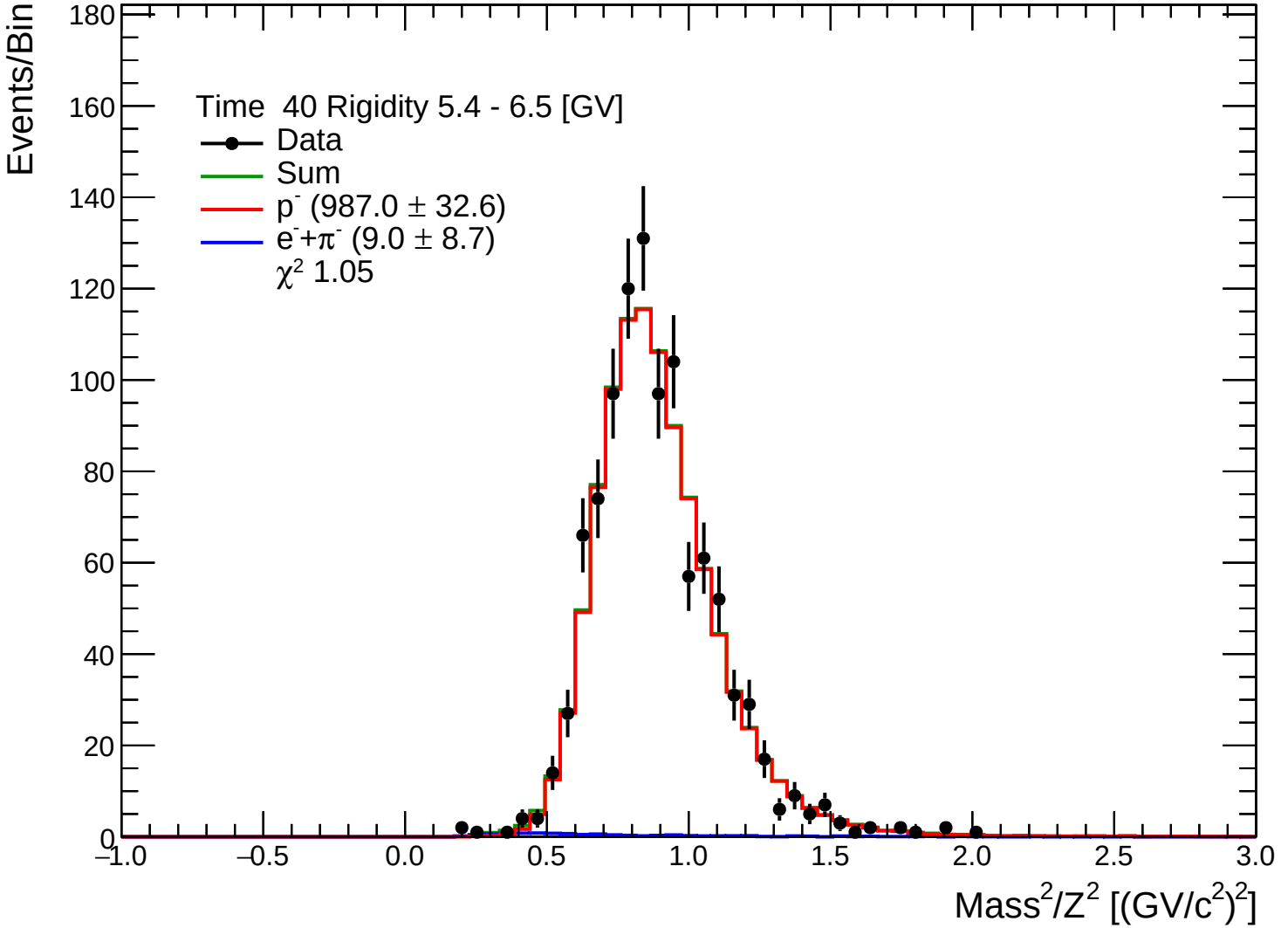

Events/Bin
450
400
350
300
250
200
150
100
50
0
834
836
838
840
842
844
846
Number [Temp 0]

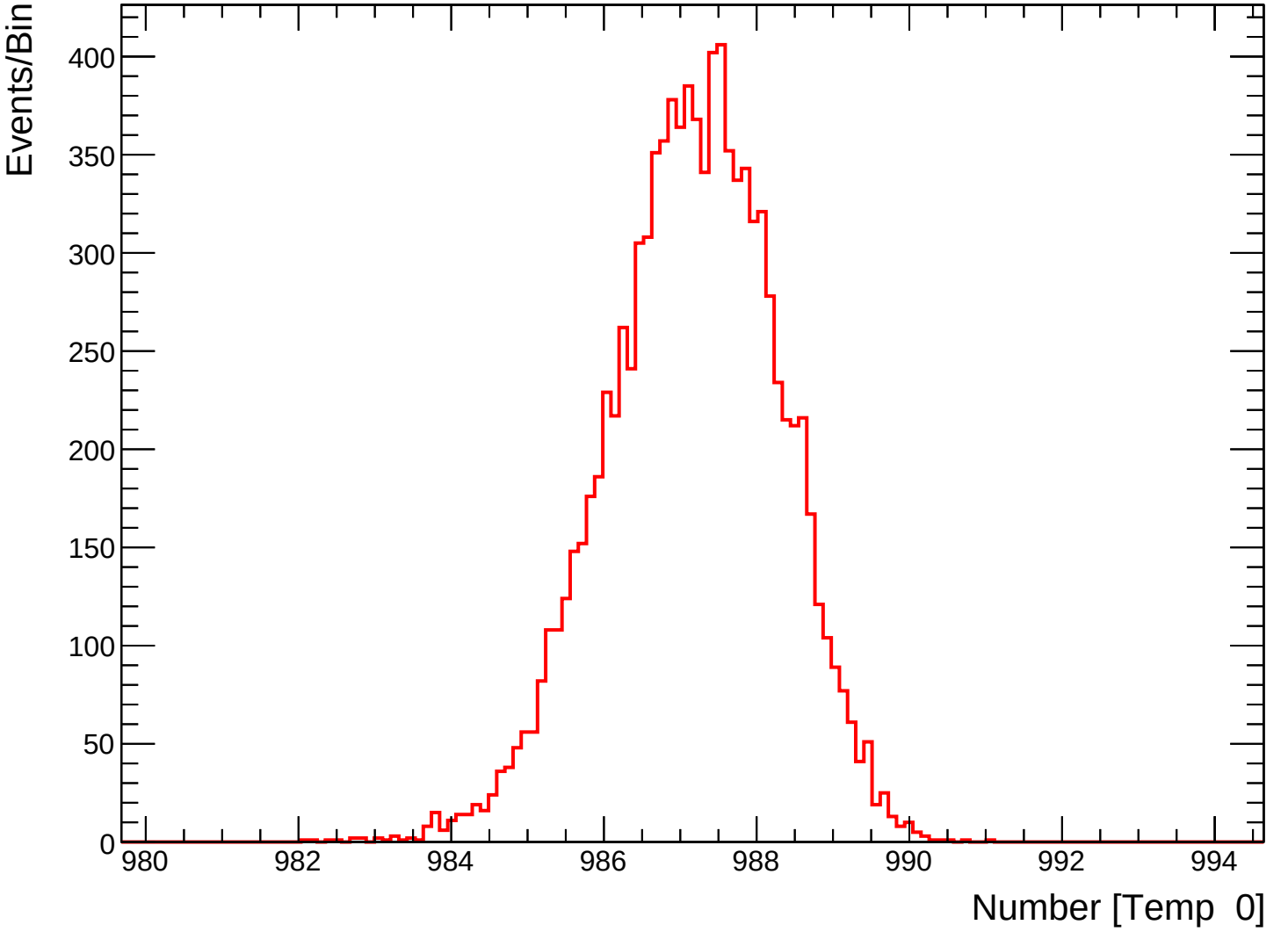

Time 40 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (383.0 ± 23.1)
e⁻+π⁻ (30.6 ± 13.4)
χ² 0.93
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

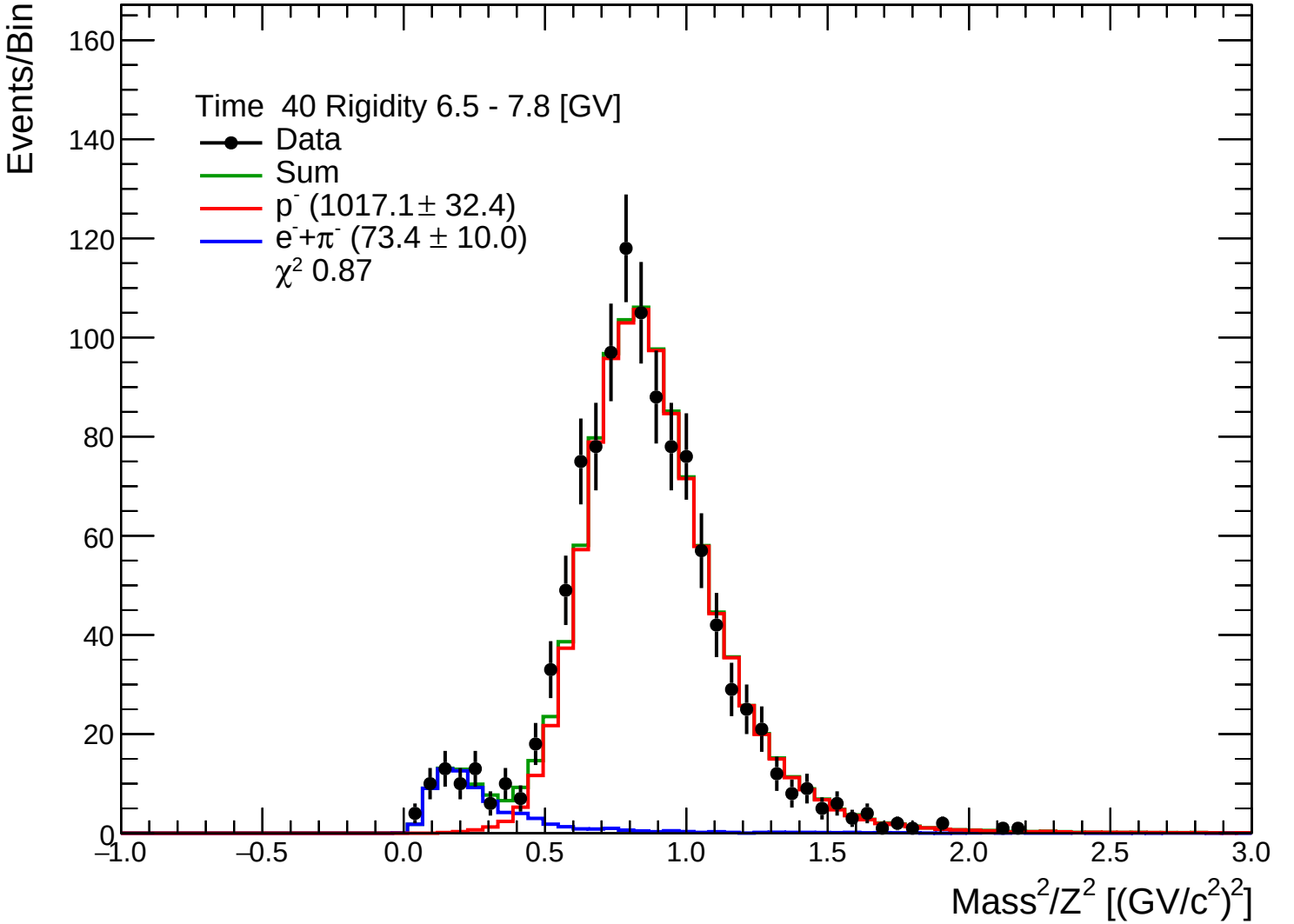

Events/Bin
400
350
300
250
200
150
100
50
0
370
375
380
385
390
395
400
Number [Temp 0]

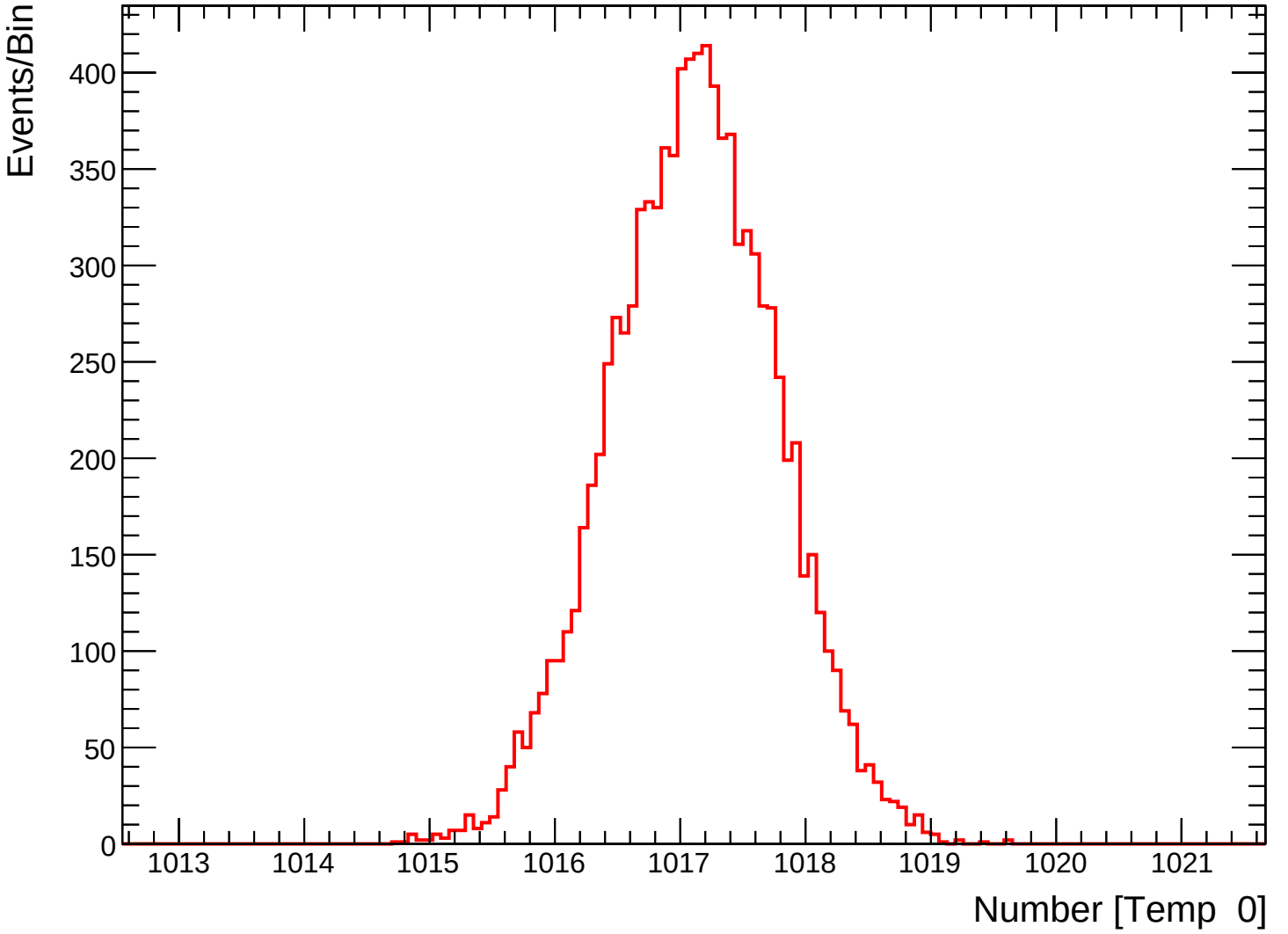

Time 40 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (780.8 ± 30.4)
e⁻+π⁻ (17.5 ± 12.5)
χ² 0.78
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

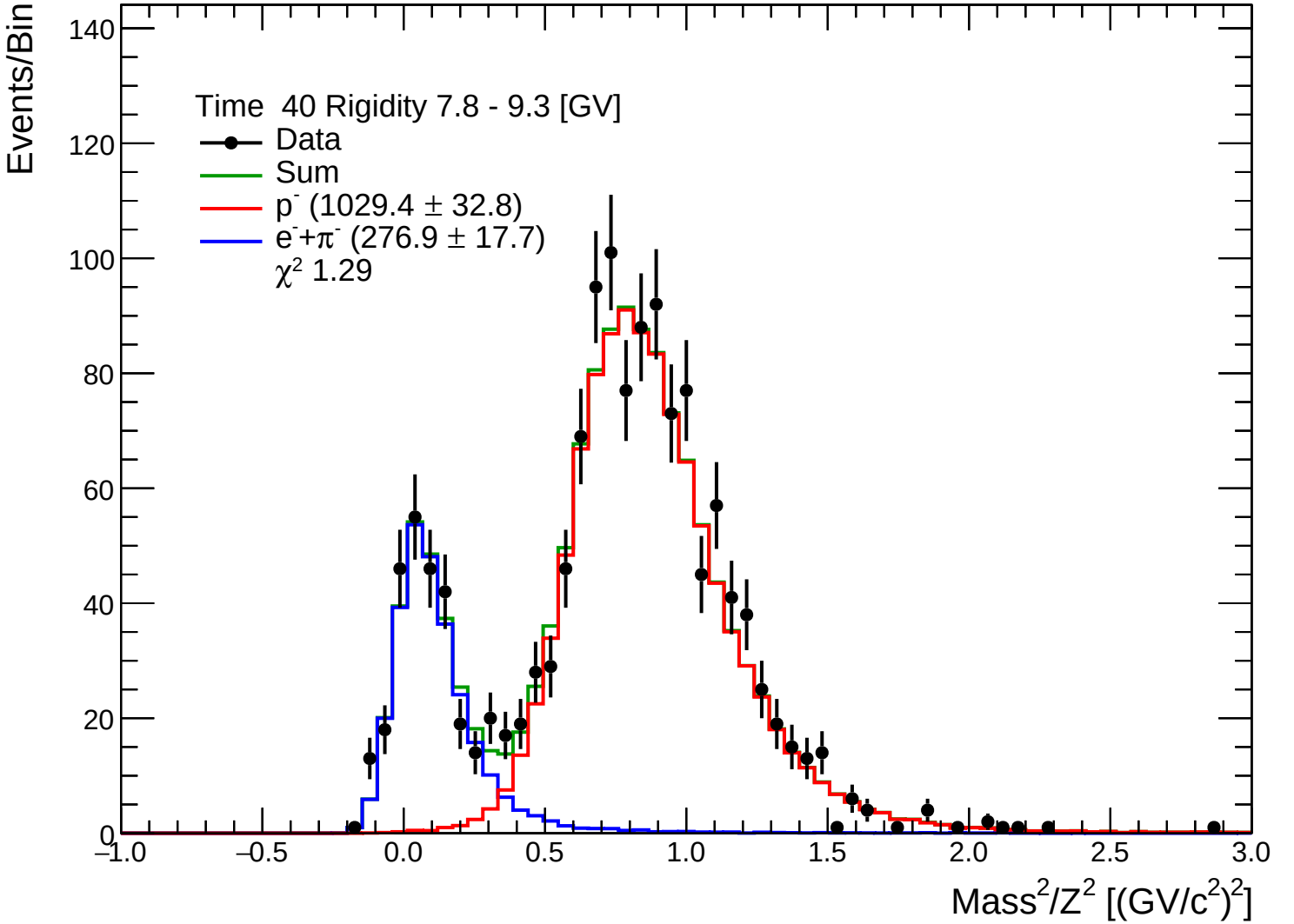

Events/Bin
400
350
300
250
200
150
100
50
0
770
775
780
785
790
795
Number [Temp 0]

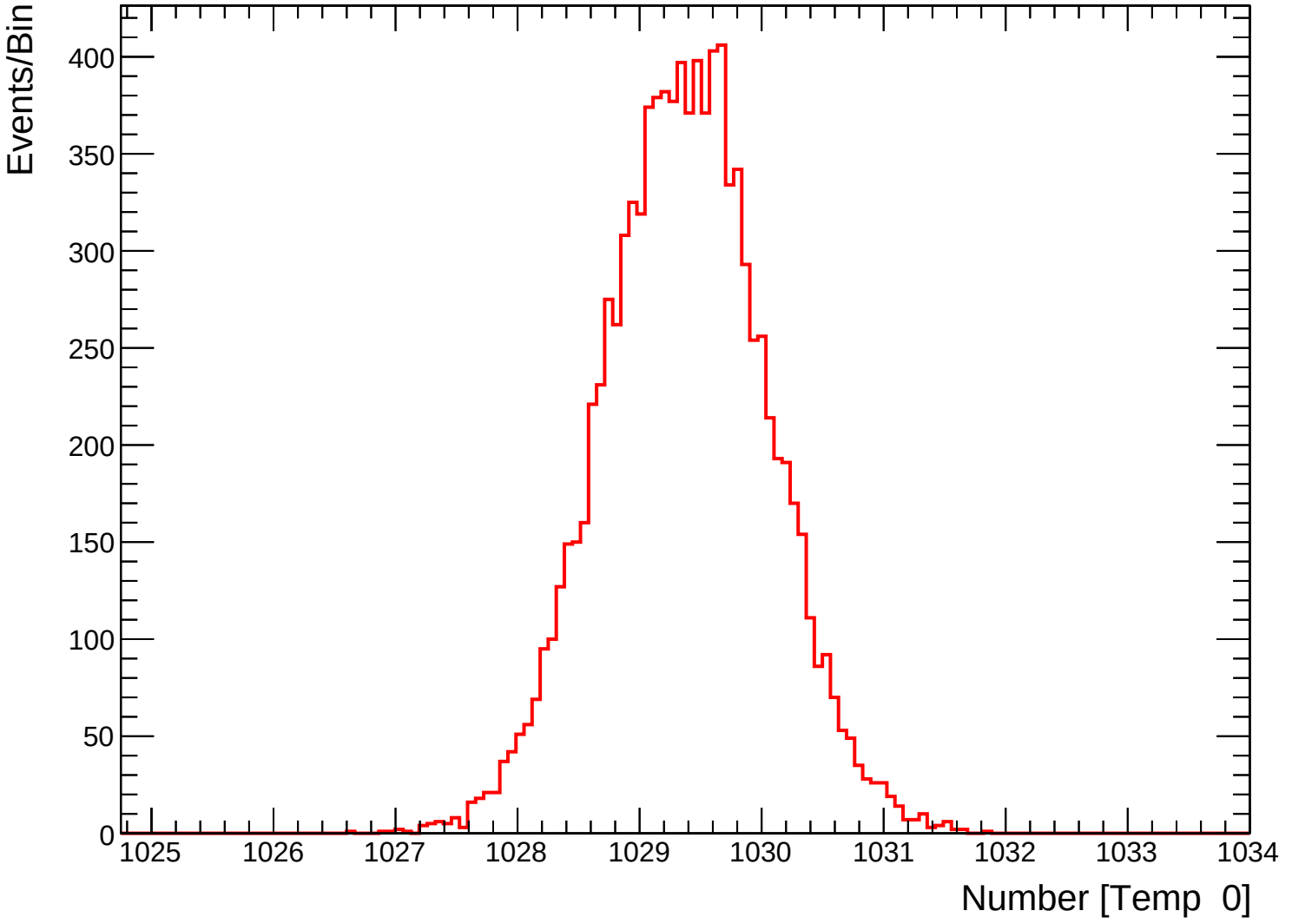

Time 40 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (987.0 ± 32.6)
e⁻+π⁻ (9.0 ± 8.7)
χ² 1.05
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

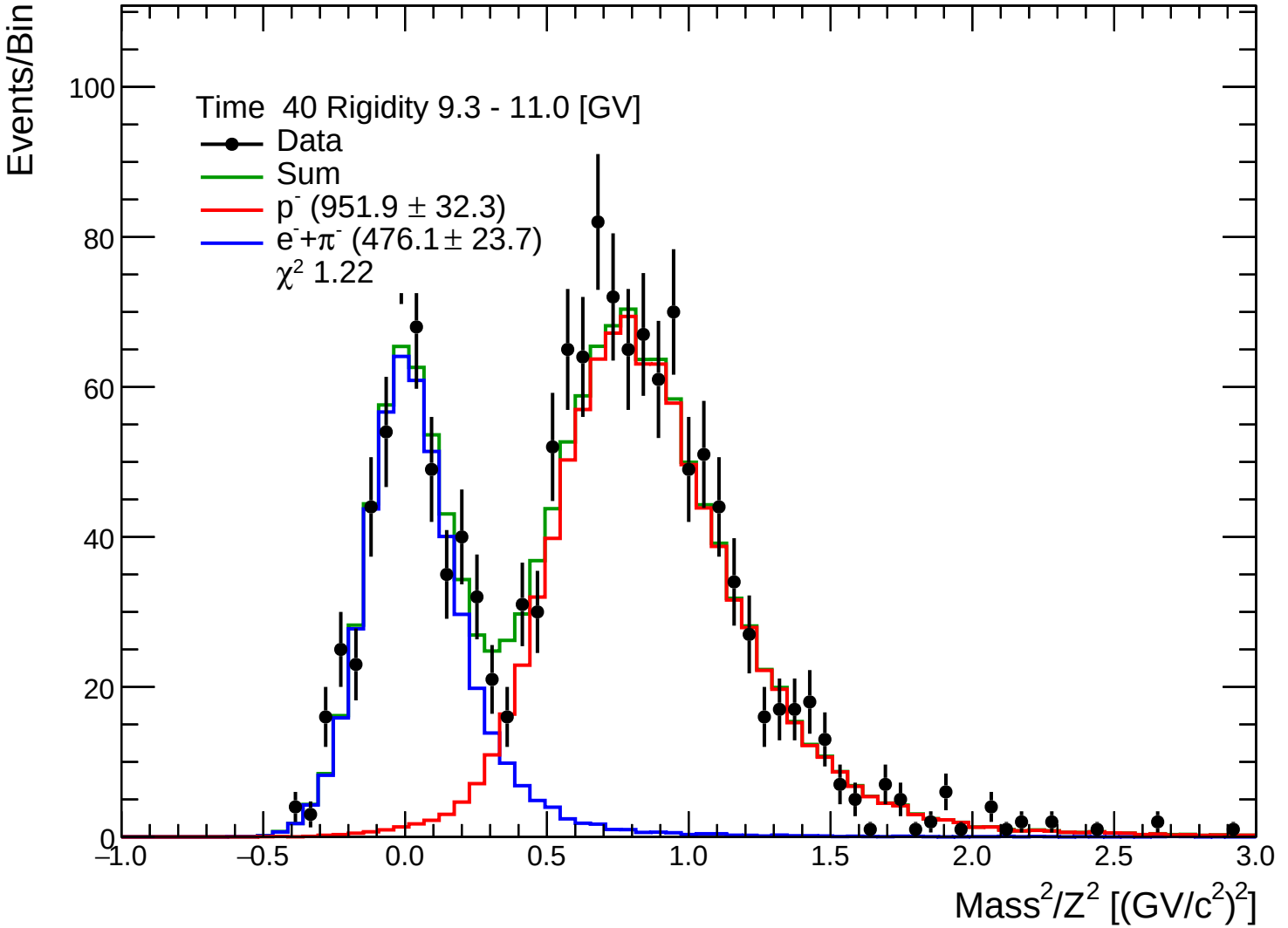

Events/Bin
400
350
300
250
200
150
100
50
0
980
982
984
986
988
990
992
994
Number [Temp 0]

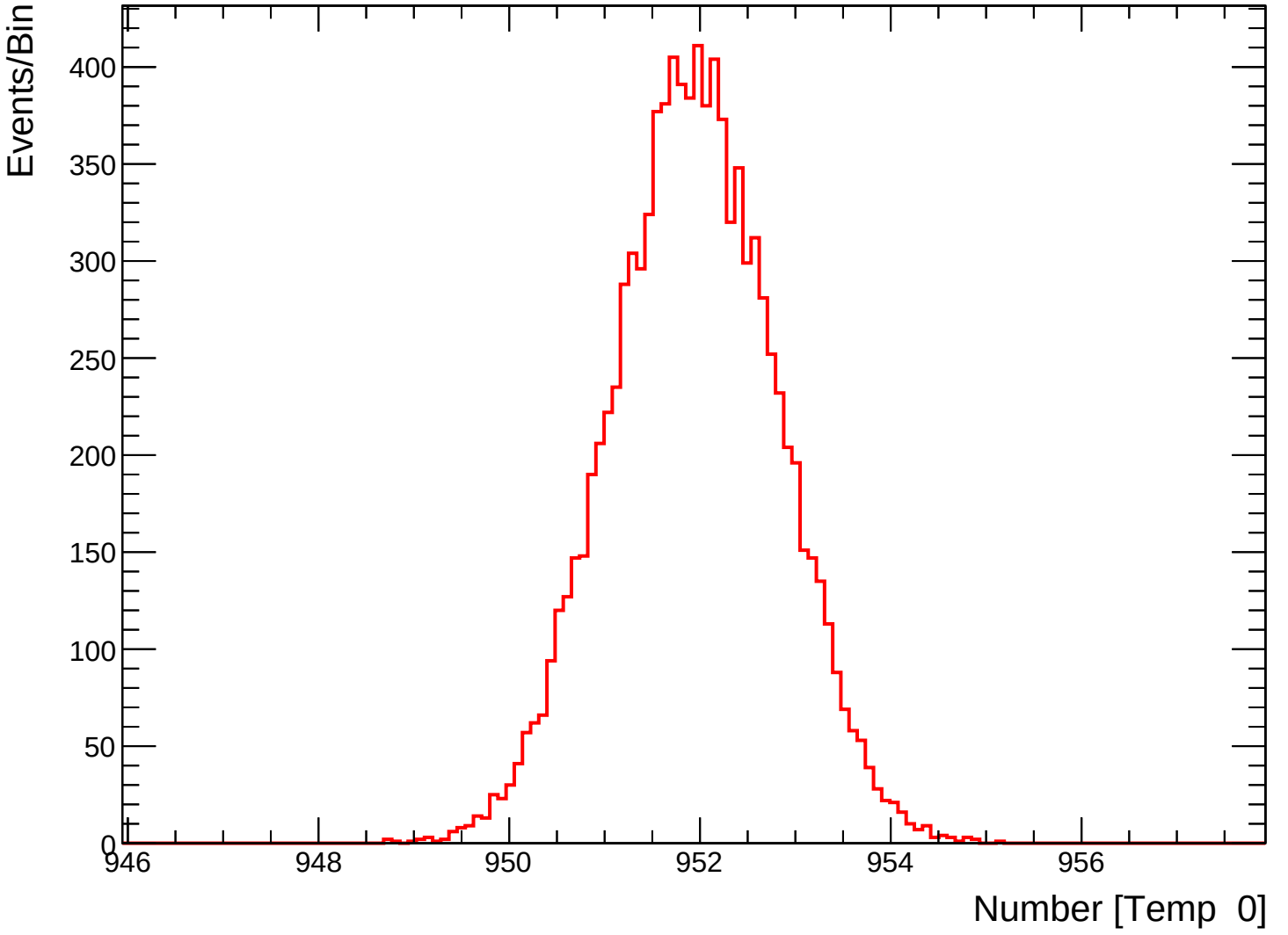

Time 40 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1017.1± 32.4)
e⁻+π⁻ (73.4 ± 10.0)
χ² 0.87
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

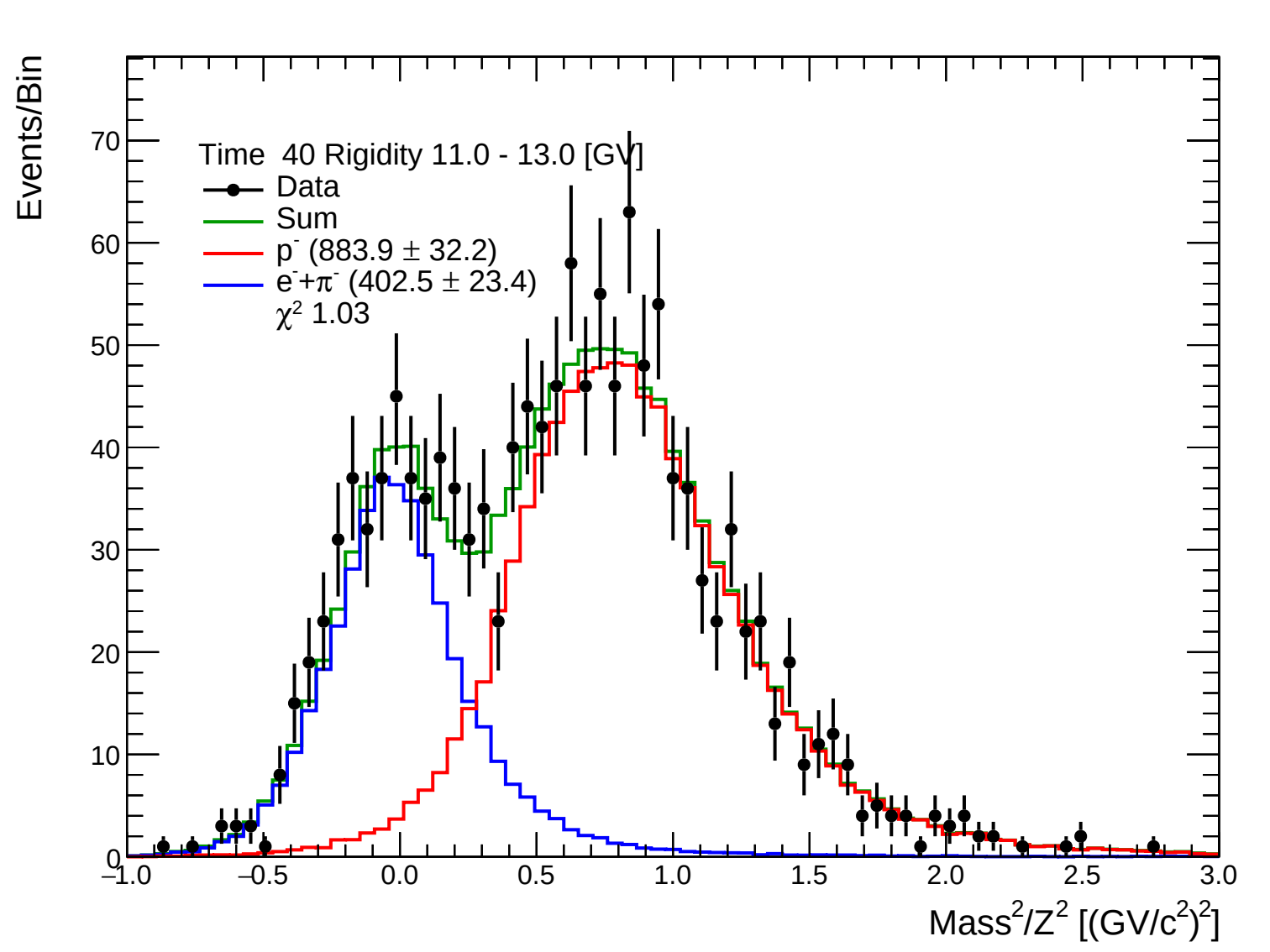

Events/Bin
400
350
300
250
200
150
100
50
0
1013
1014
1015
1016
1017
1018
1019
1020
1021
Number [Temp 0]

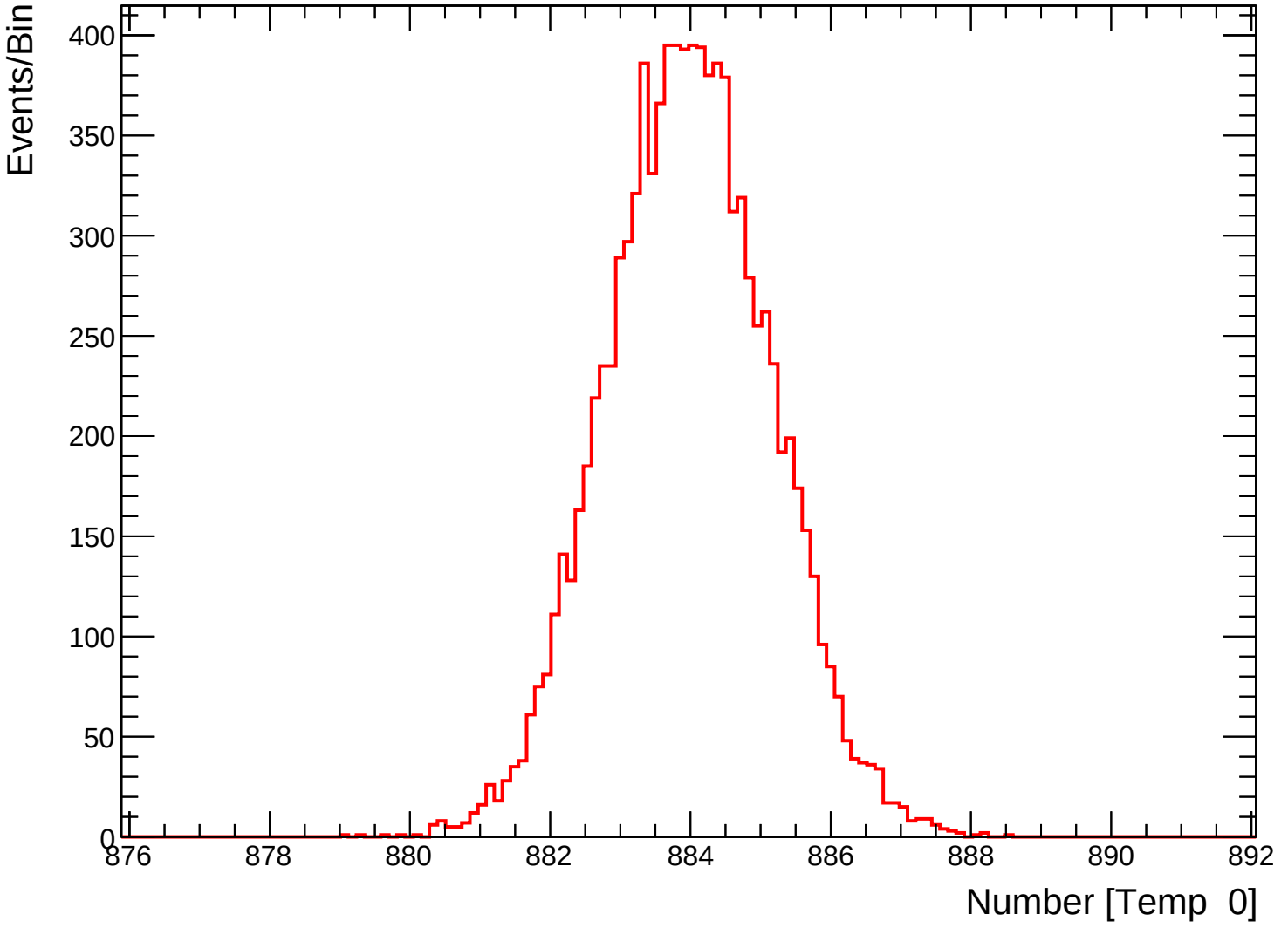

Time 40 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1029.4 ± 32.8)
e⁻+π⁻ (276.9 ± 17.7)
χ² 1.29
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

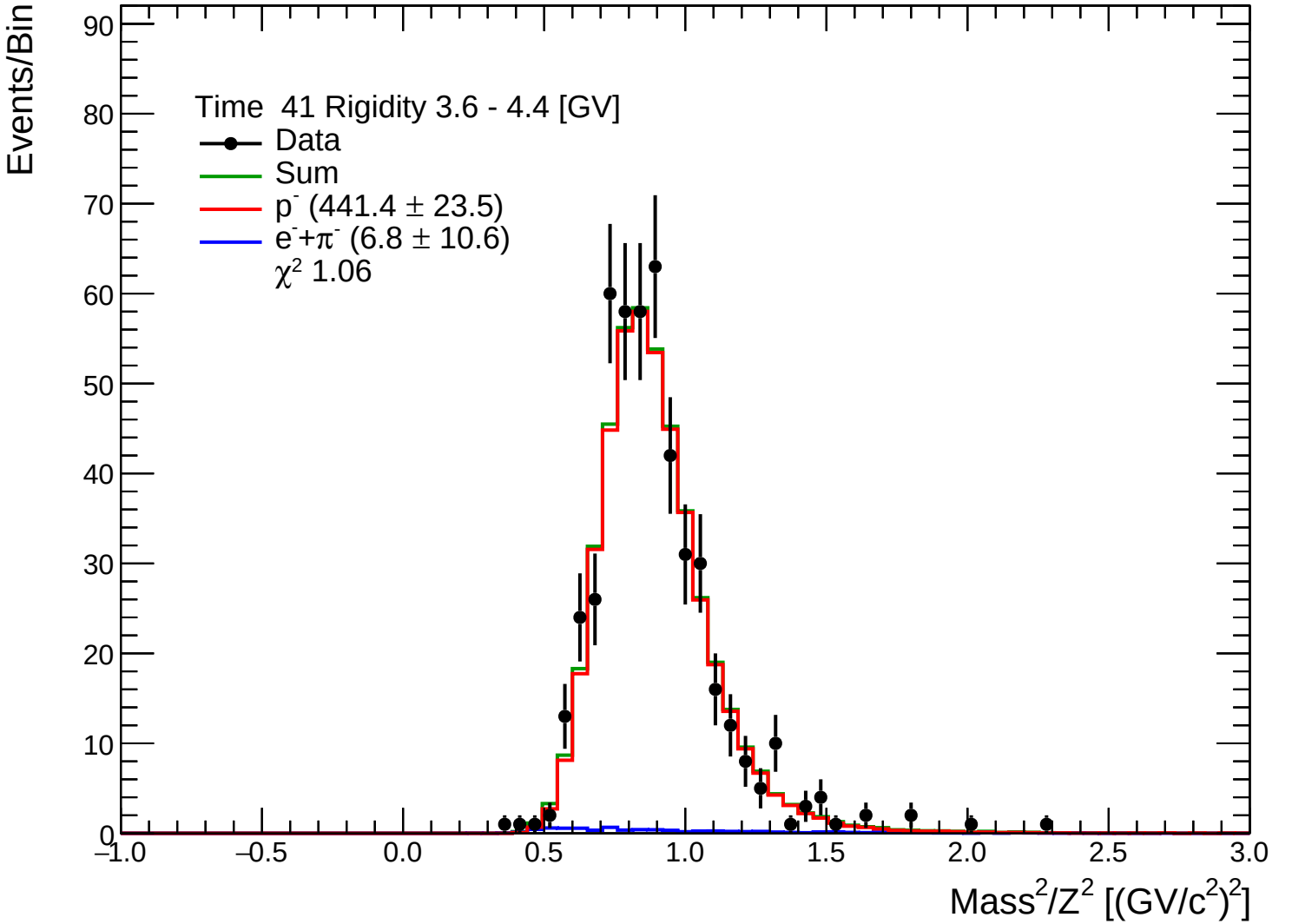

Events/Bin
400
350
300
250
200
150
100
50
0
1025
1026
1027
1028
1029
1030
1031
1032
1033
1034
Number [Temp 0]

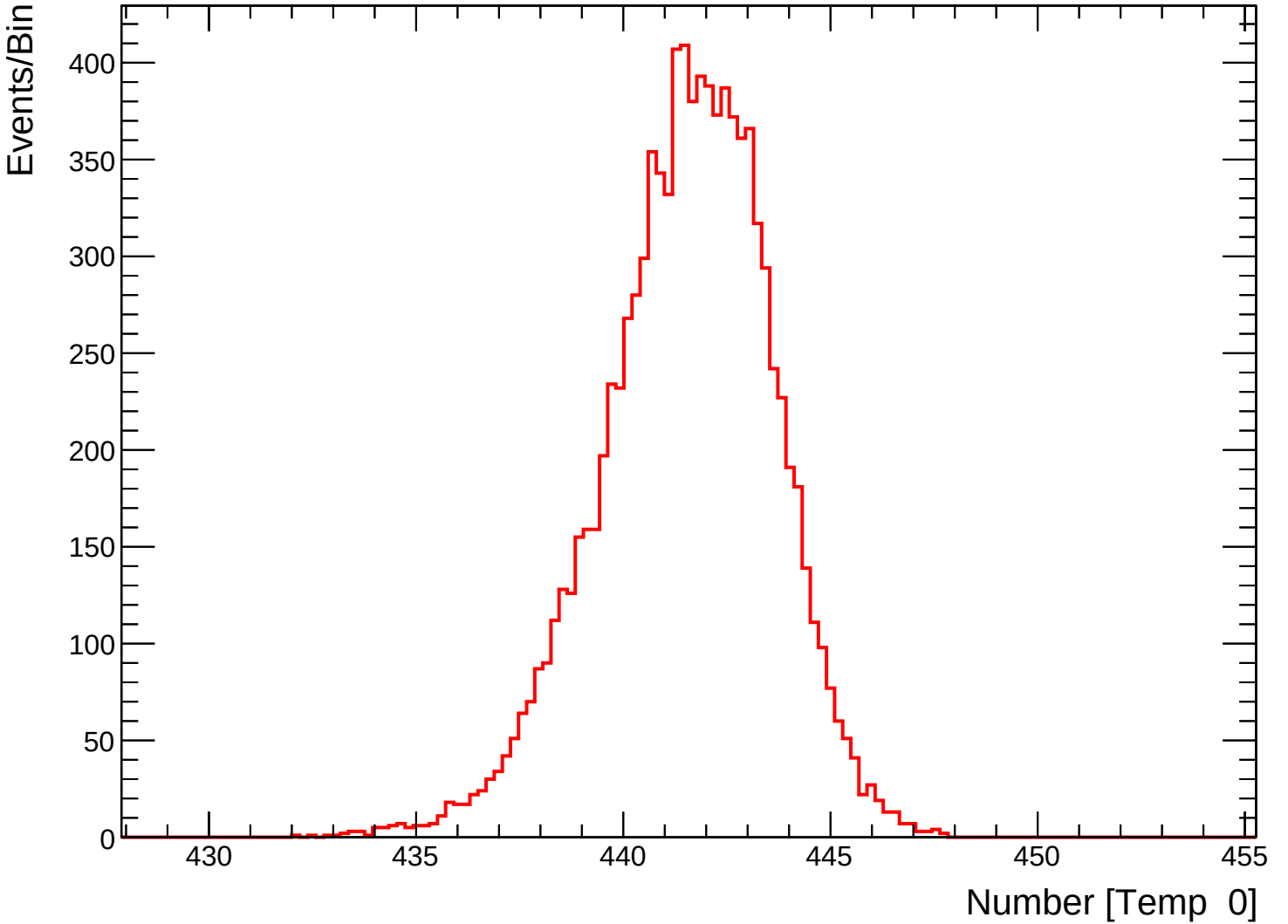

Events/Bin
Time 40 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (951.9 ± 32.3)
e⁻+π⁻ (476.1 ± 23.7)
χ² 1.22
Mass²/Z² [(GV/c²)²]

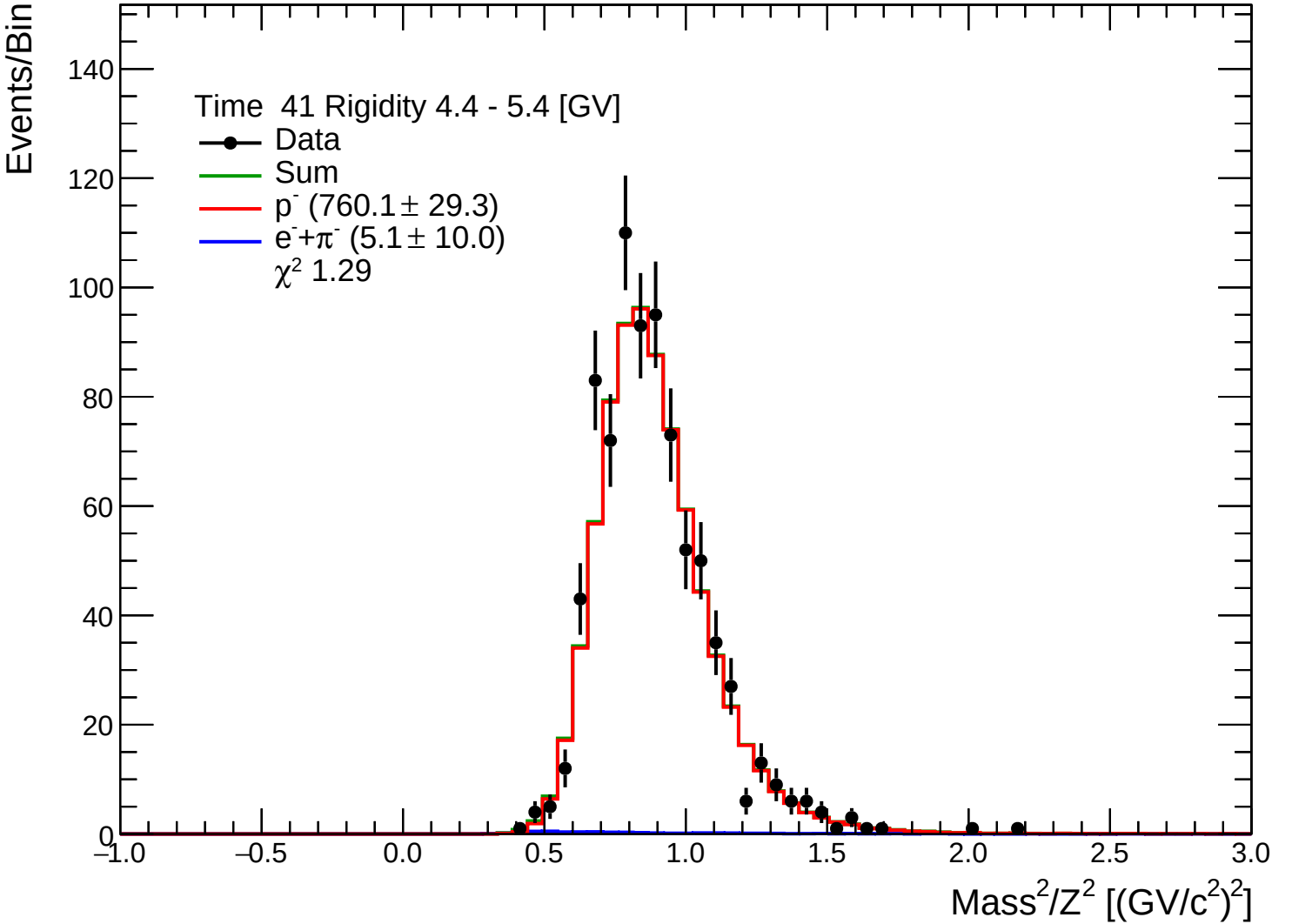

Events/Bin
400
350
300
250
200
150
100
50
0
946
948
950
952
954
956
Number [Temp 0]

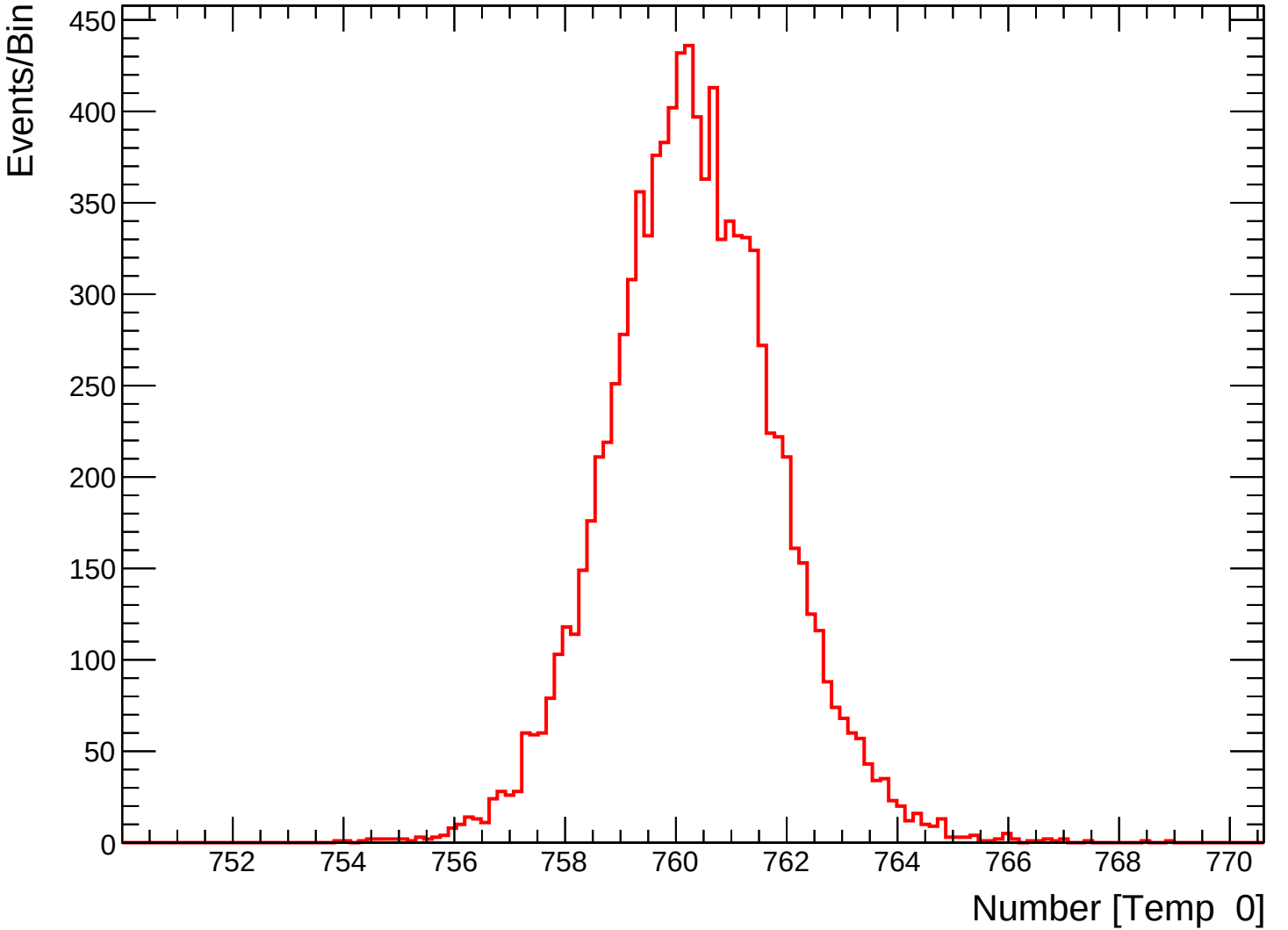

Time 40 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (883.9 ± 32.2)
e⁻+π⁻ (402.5 ± 23.4)
χ² 1.03
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

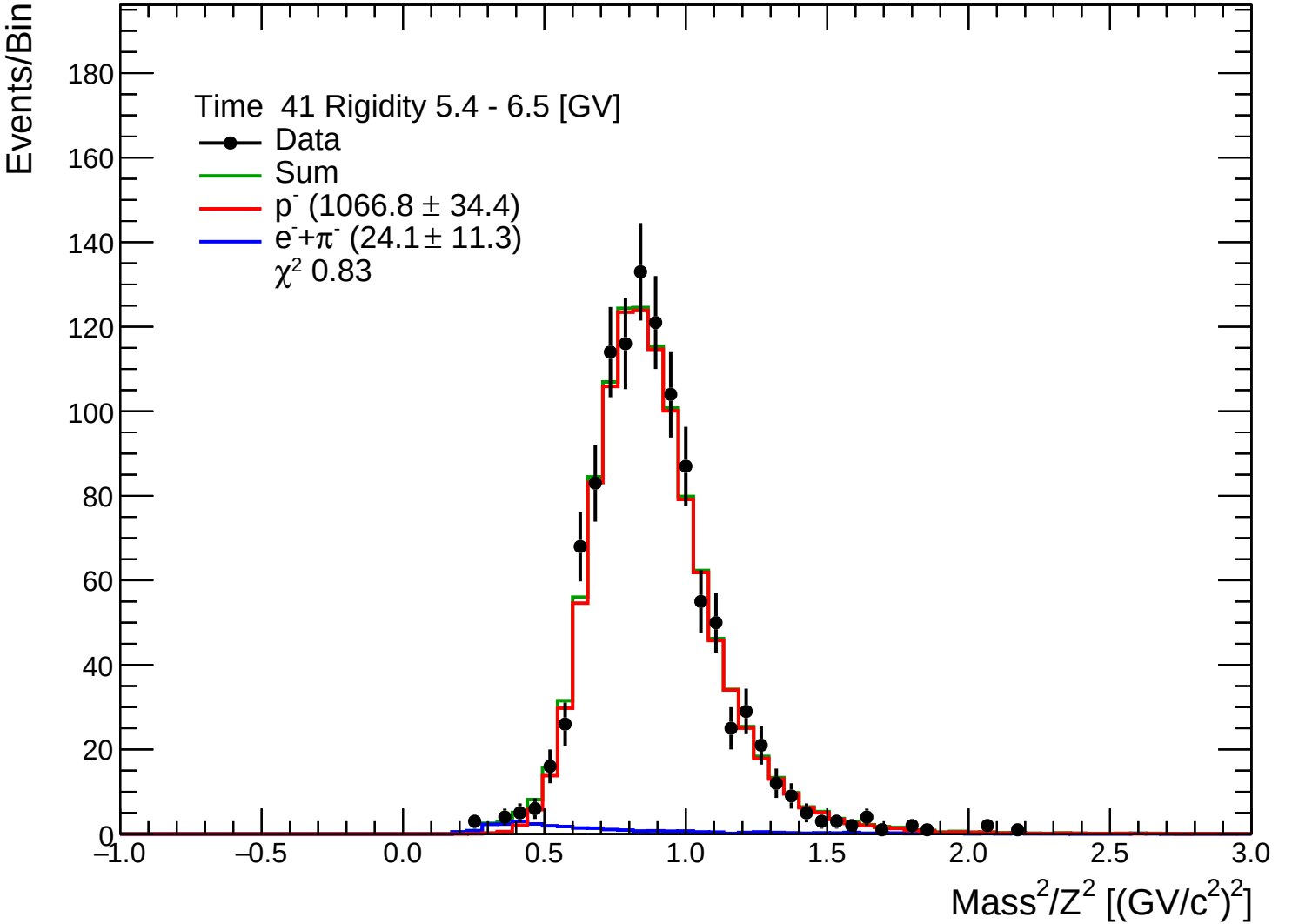

Events/Bin
400
350
300
250
200
150
100
50
0
876
878
880
882
884
886
888
890
892
Number [Temp 0]

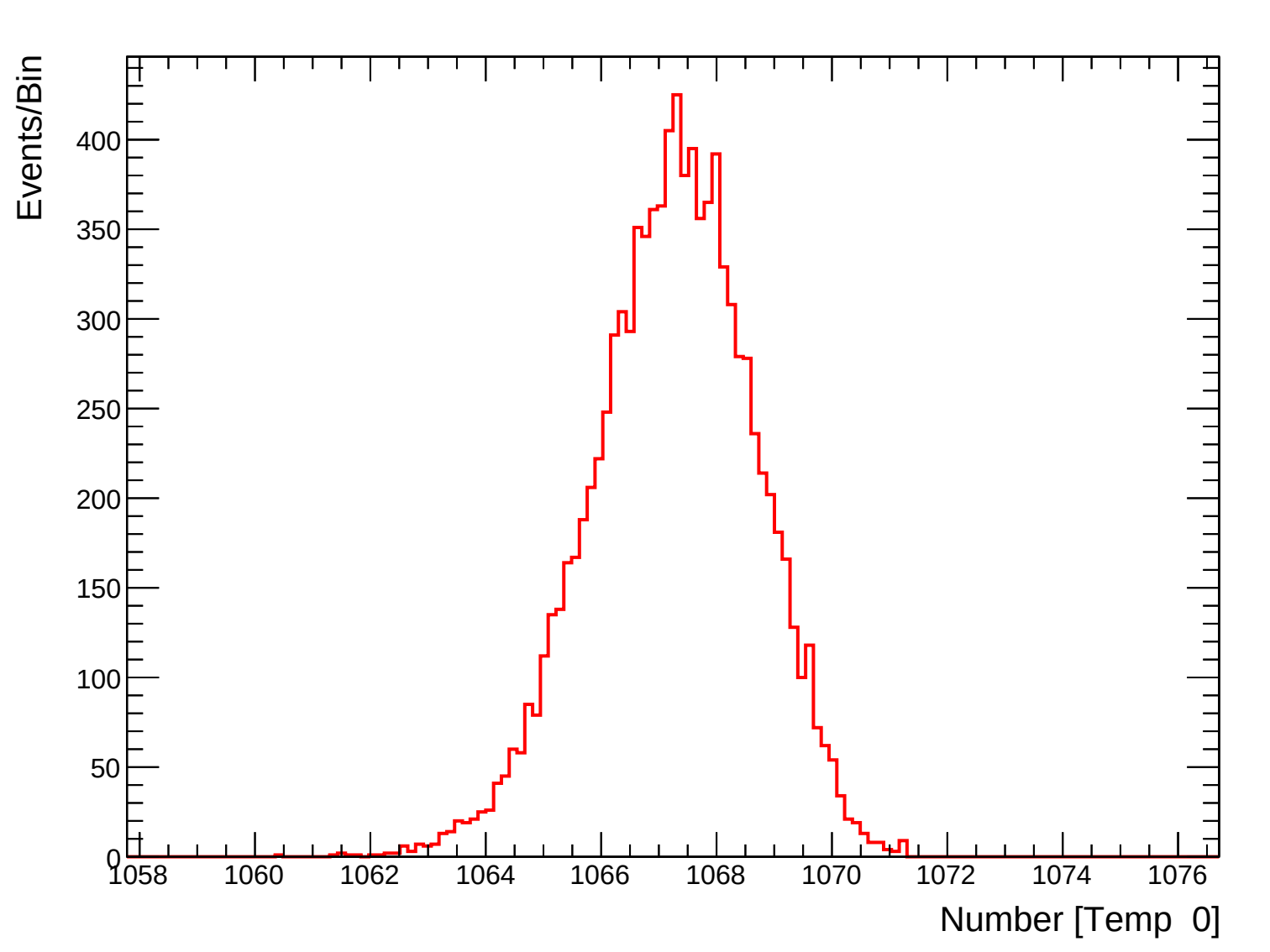

Time 41 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (441.4 ± 23.5)
e⁻+π⁻ (6.8 ± 10.6)
χ² 1.06
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

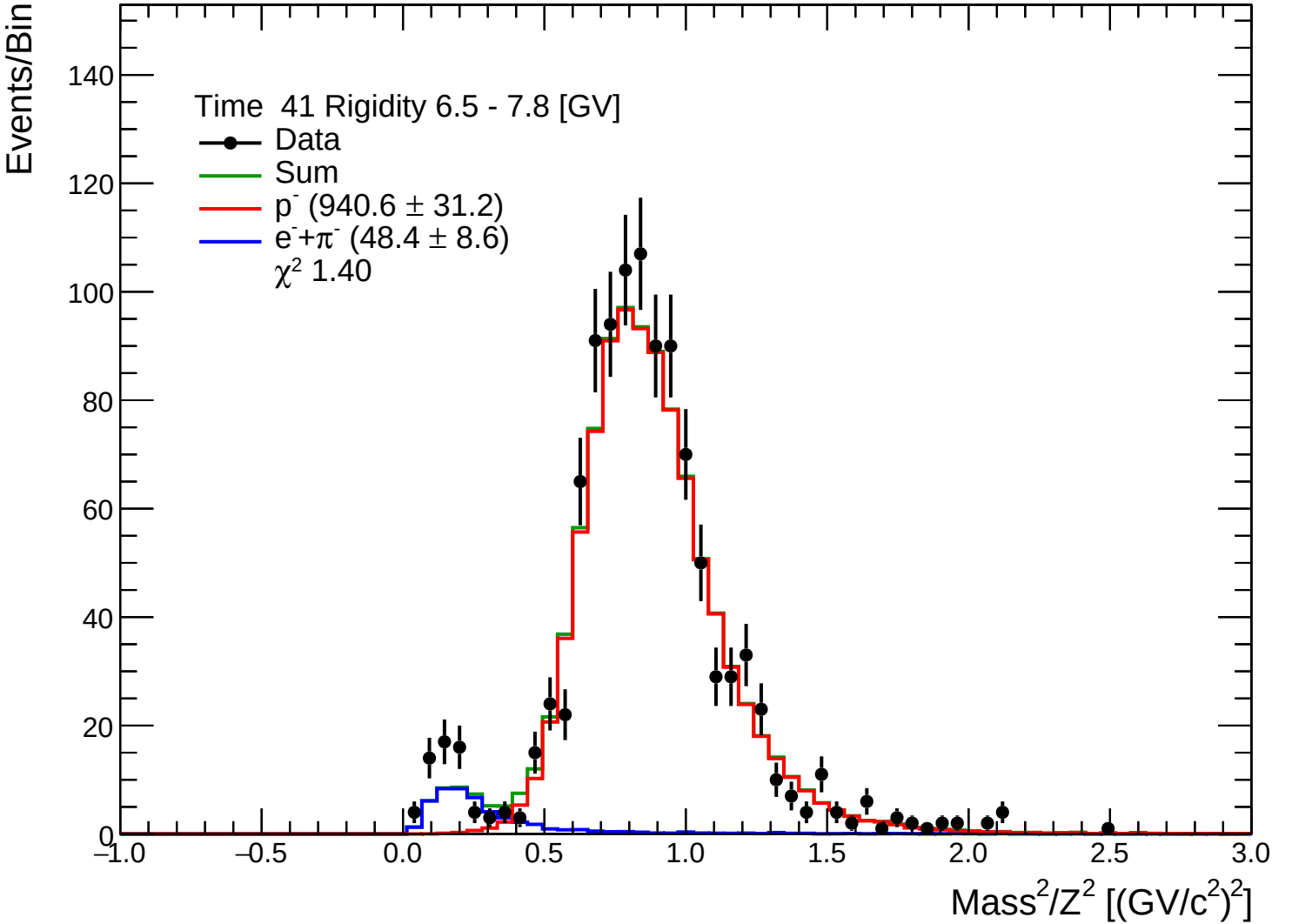

Events/Bin
400
350
300
250
200
150
100
50
0
430
435
440
445
450
455
Number [Temp 0]

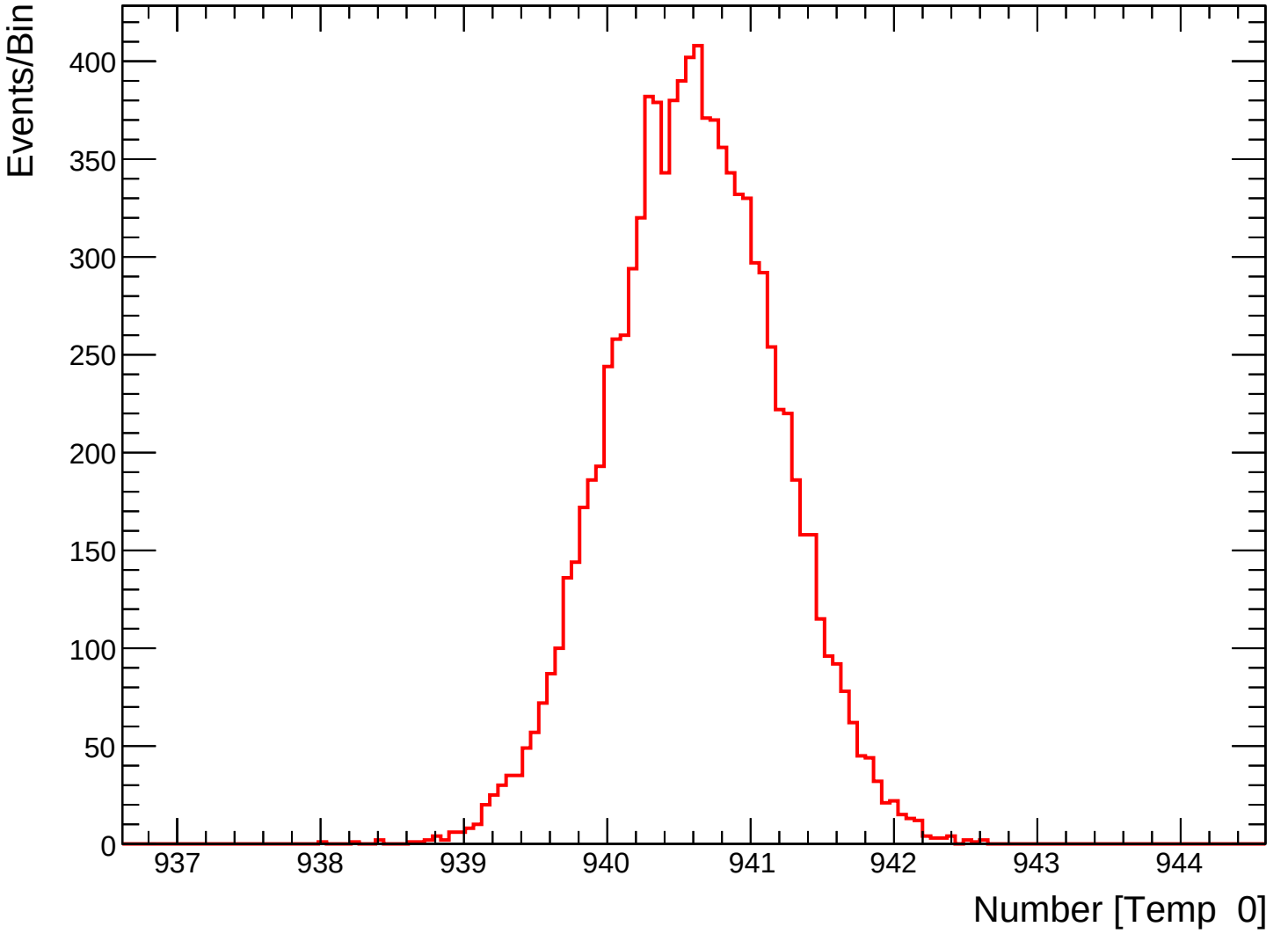

Time 41 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (760.1 ± 29.3)
e⁻+π⁻ (5.1 ± 10.0)
χ² 1.29
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

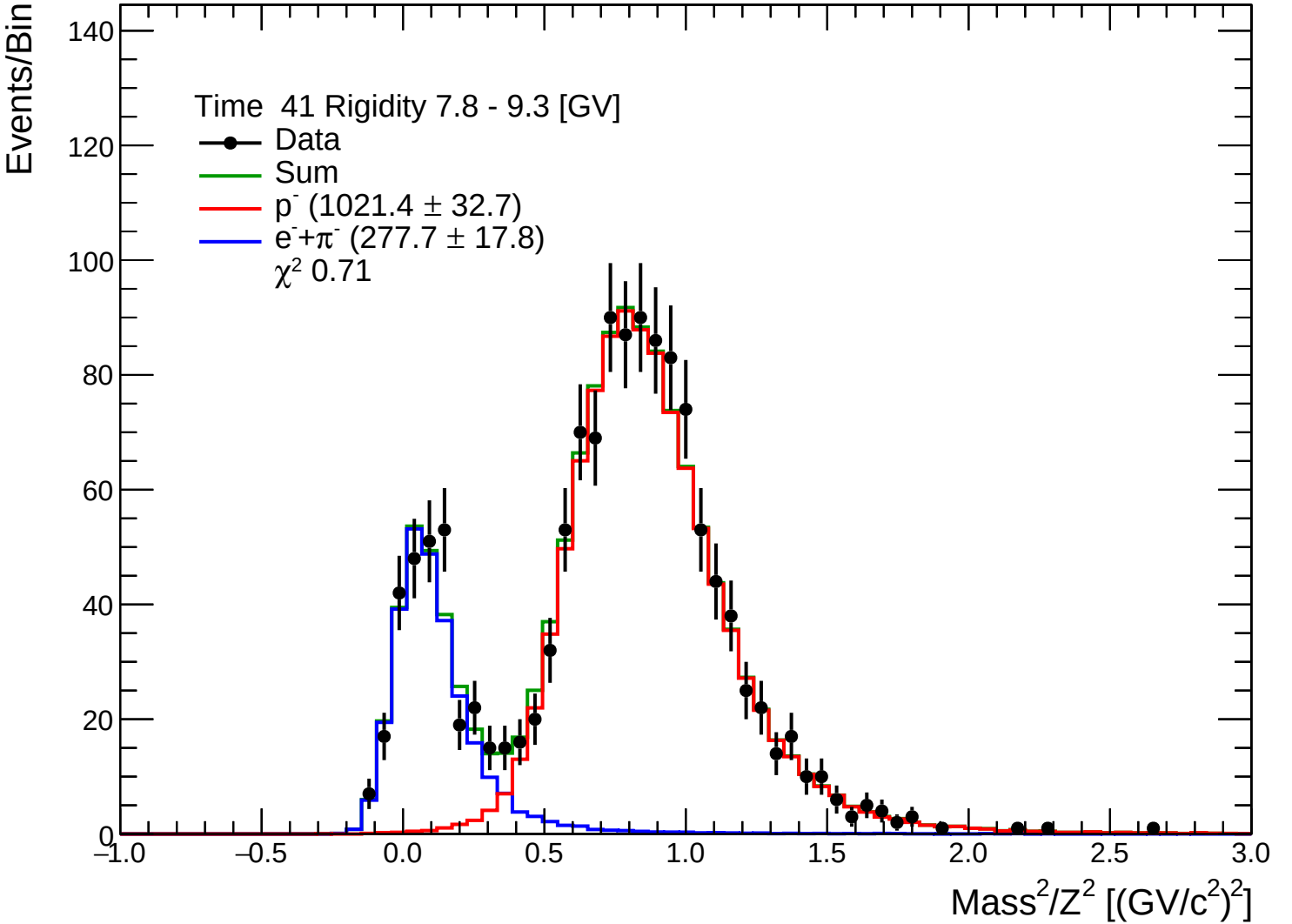

Events/Bin
450
400
350
300
250
200
150
100
50
0
752
754
756
758
760
762
764
766
768
770
Number [Temp 0]

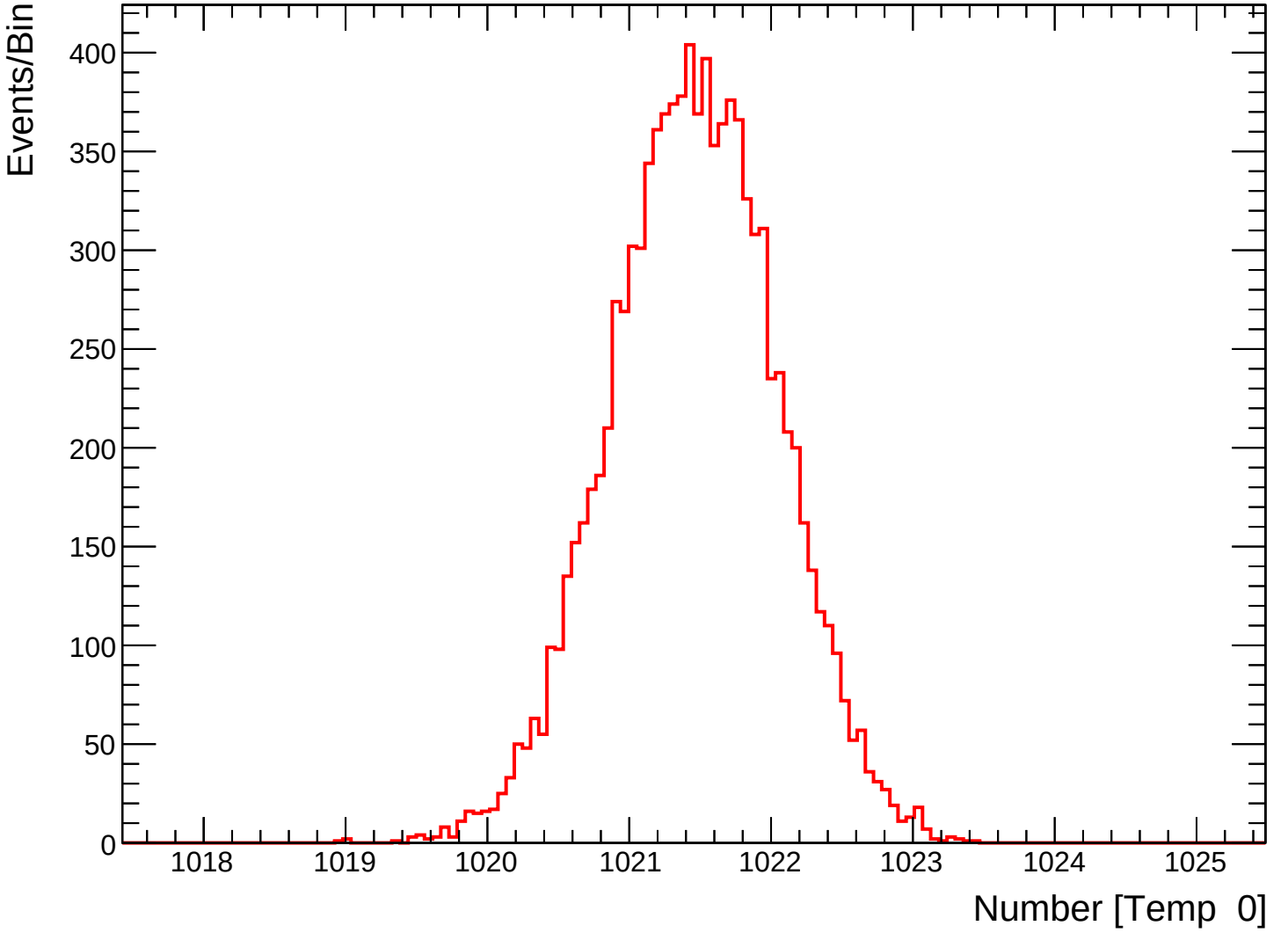

Time 41 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (1066.8 ± 34.4)
e⁻+π⁻ (24.1± 11.3)
χ² 0.83
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

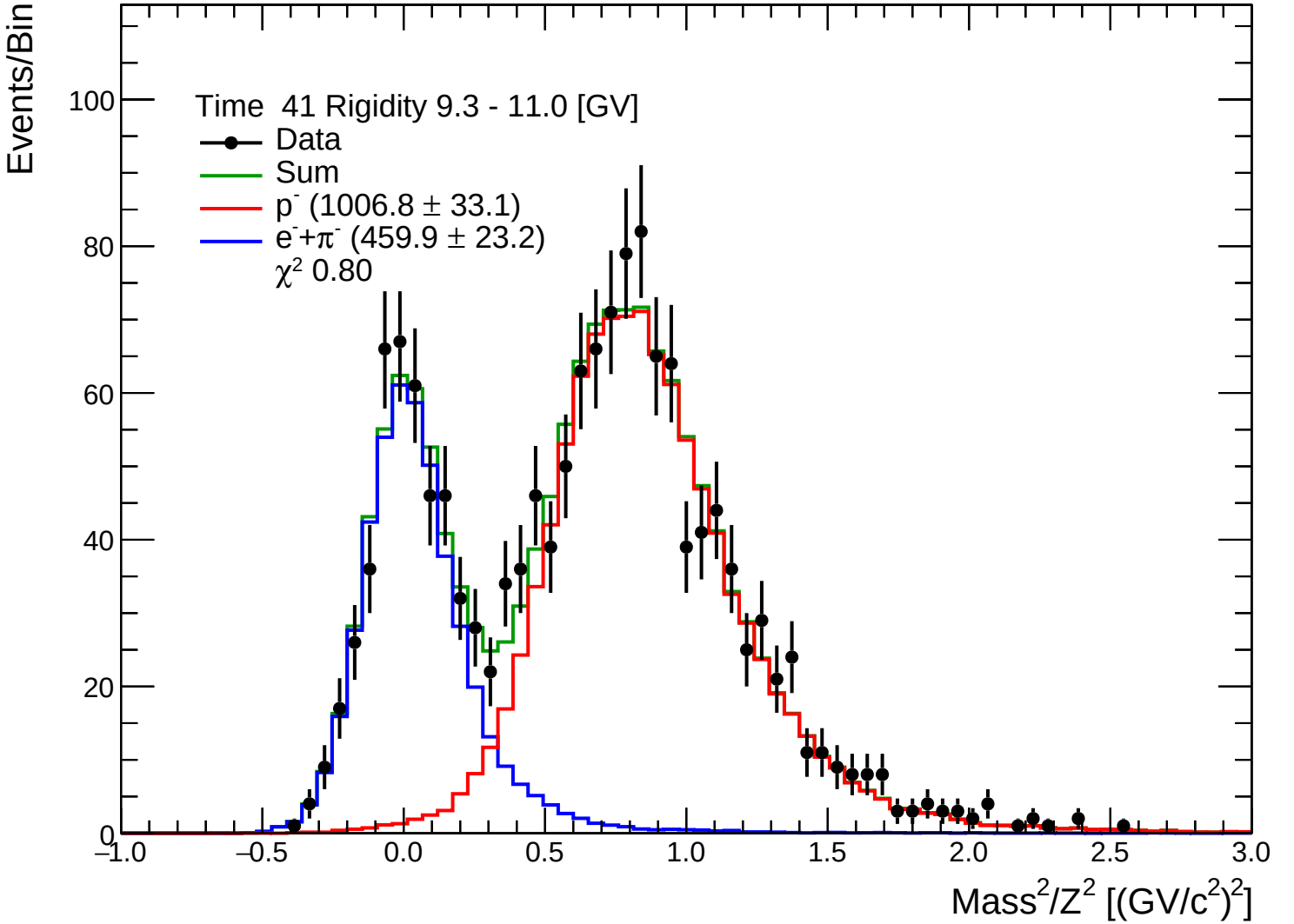

Events/Bin
0
50
100
150
200
250
300
350
400
1058
1060
1062
1064
1066
1068
1070
1072
1074
1076
Number [Temp 0]

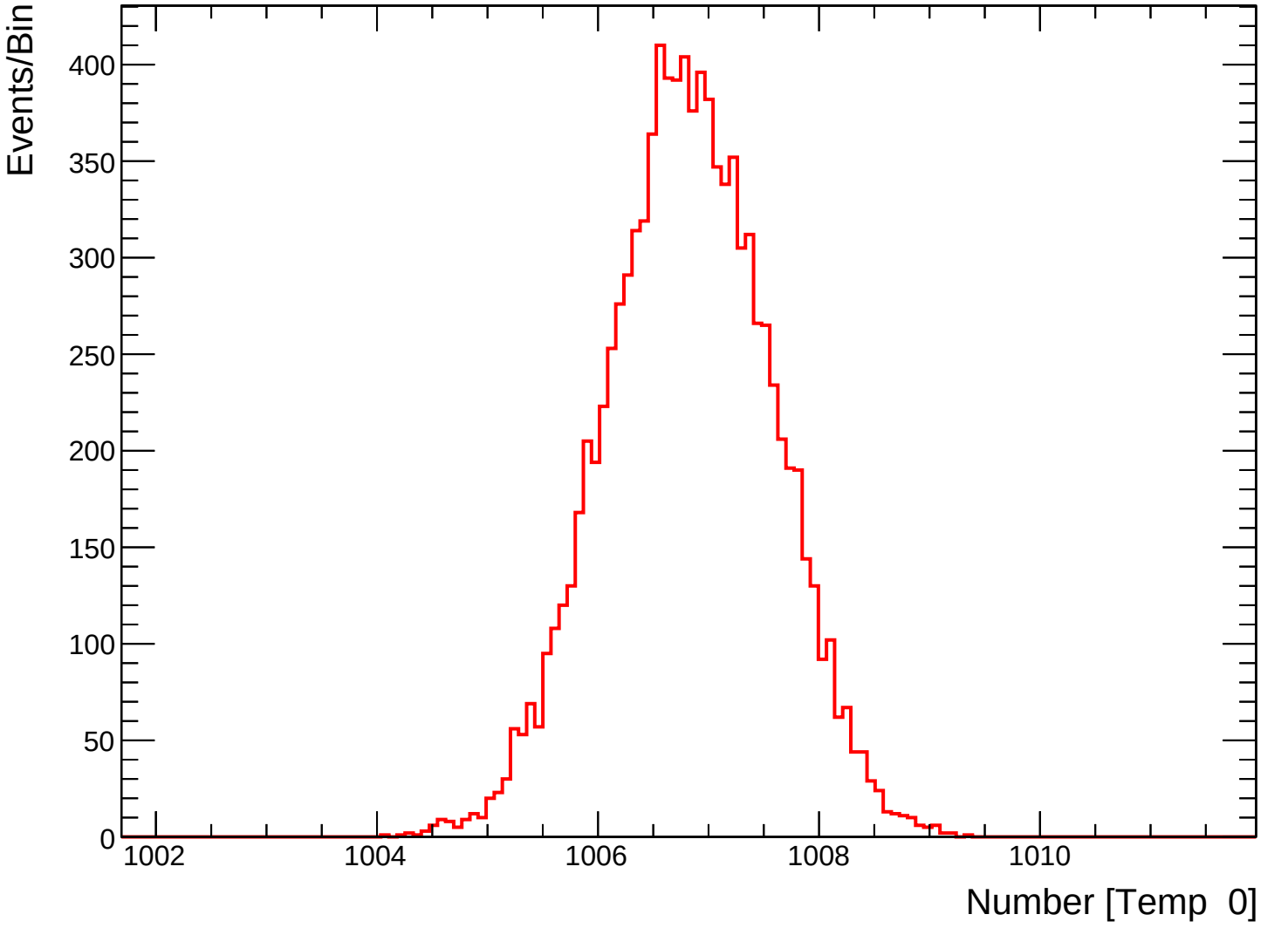

Time 41 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (940.6 ± 31.2)
e⁻+π⁻ (48.4 ± 8.6)
χ² 1.40
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

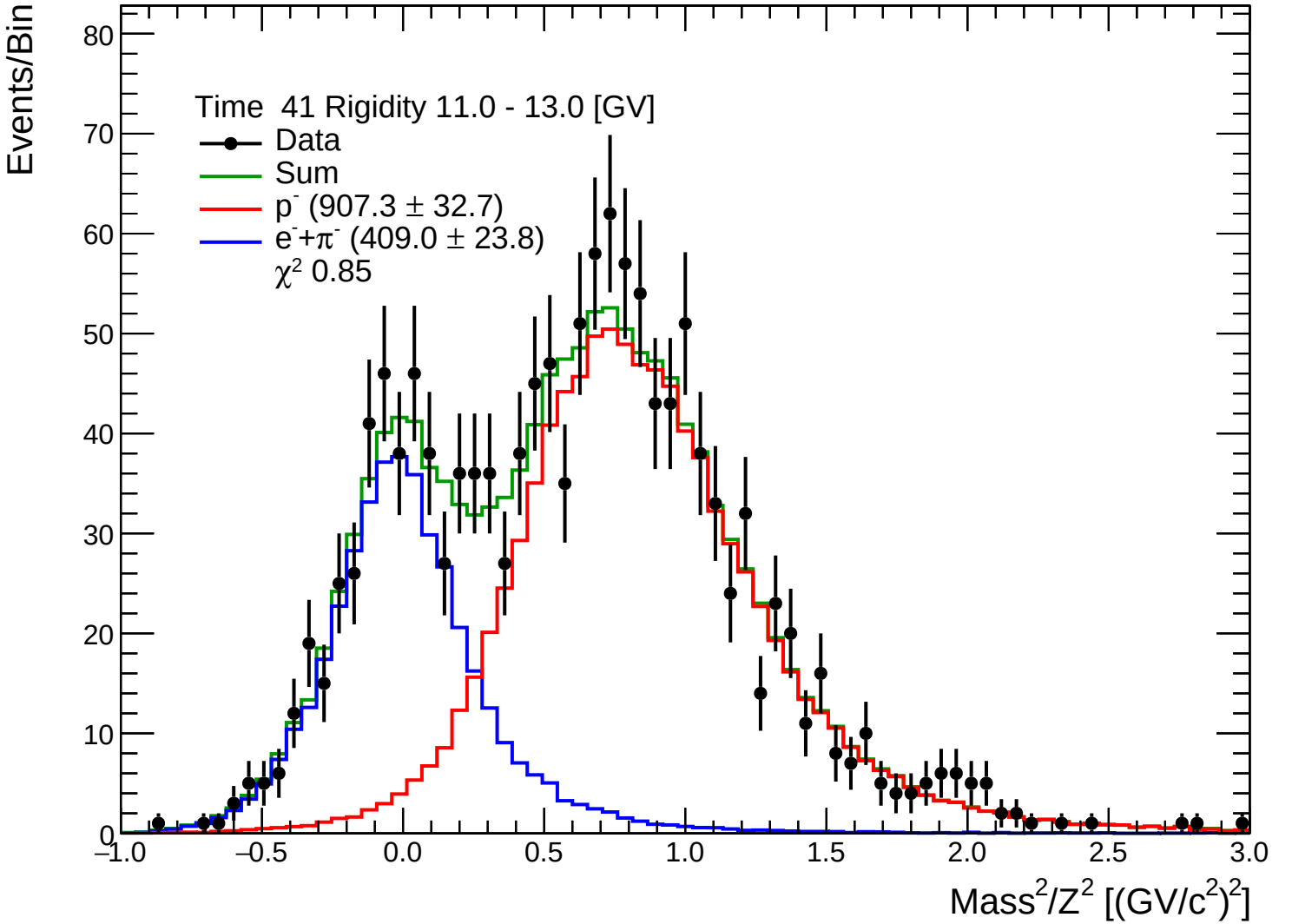

Events/Bin
400
350
300
250
200
150
100
50
0
937
938
939
940
941
942
943
944
Number [Temp 0]

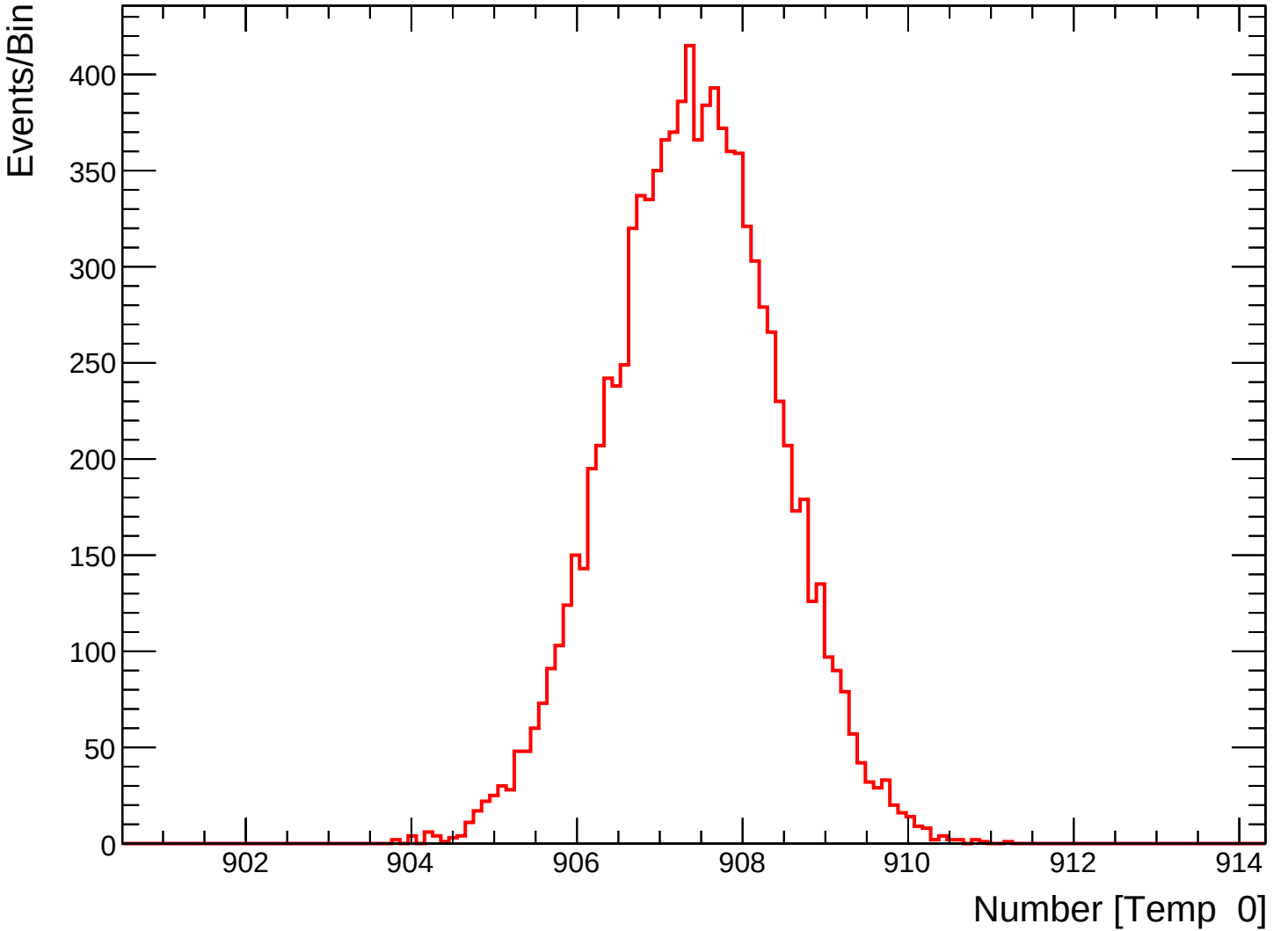

Time 41 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1021.4 ± 32.7)
e⁻+π⁻ (277.7 ± 17.8)
χ² 0.71
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

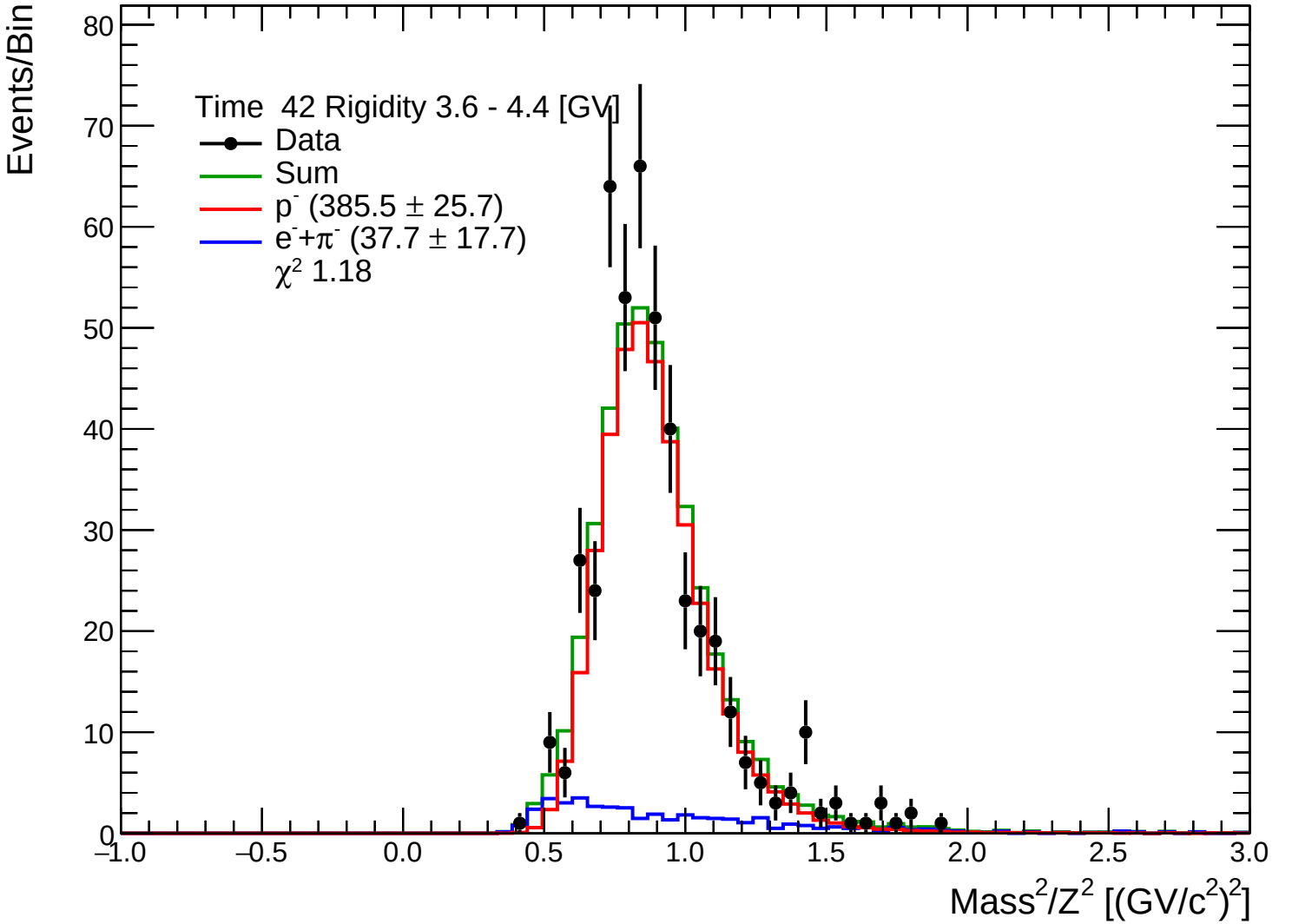

Events/Bin
400
350
300
250
200
150
100
50
0
1018
1019
1020
1021
1022
1023
1024
1025
Number [Temp 0]

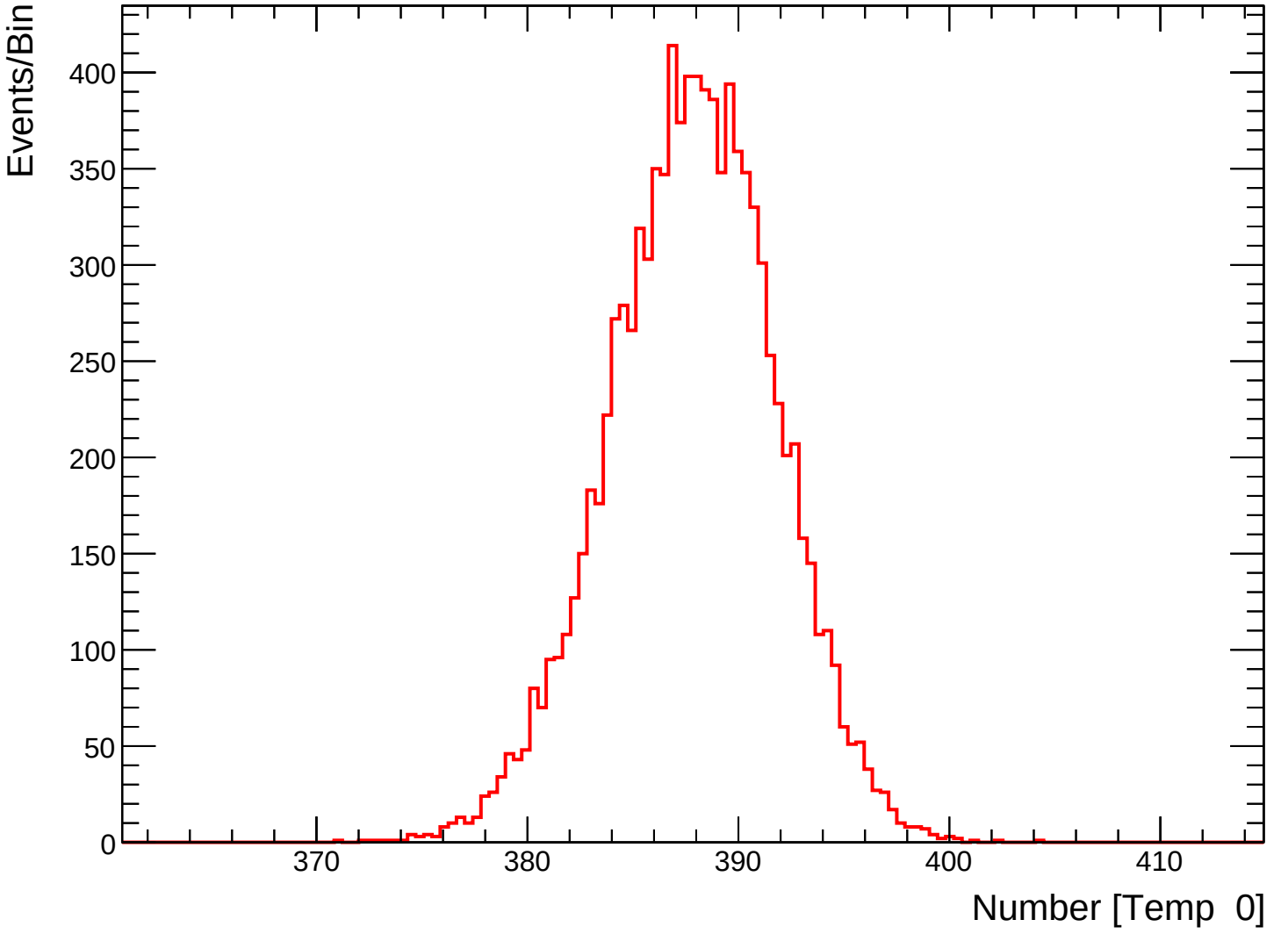

Time 41 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (1006.8 ± 33.1)
e⁻+π⁻ (459.9 ± 23.2)
χ² 0.80
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

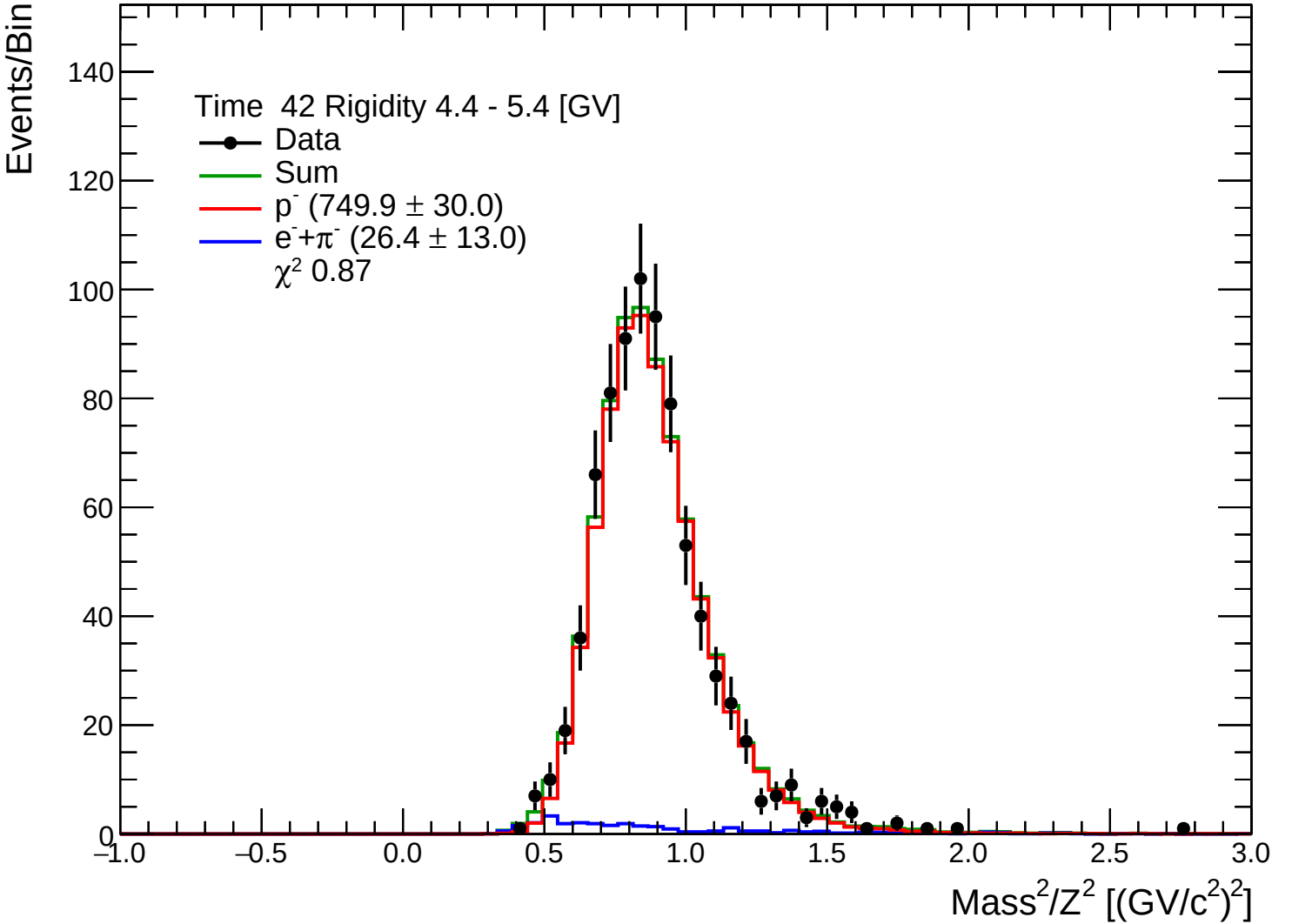

Events/Bin
400
350
300
250
200
150
100
50
0
1002
1004
1006
1008
1010
Number [Temp 0]

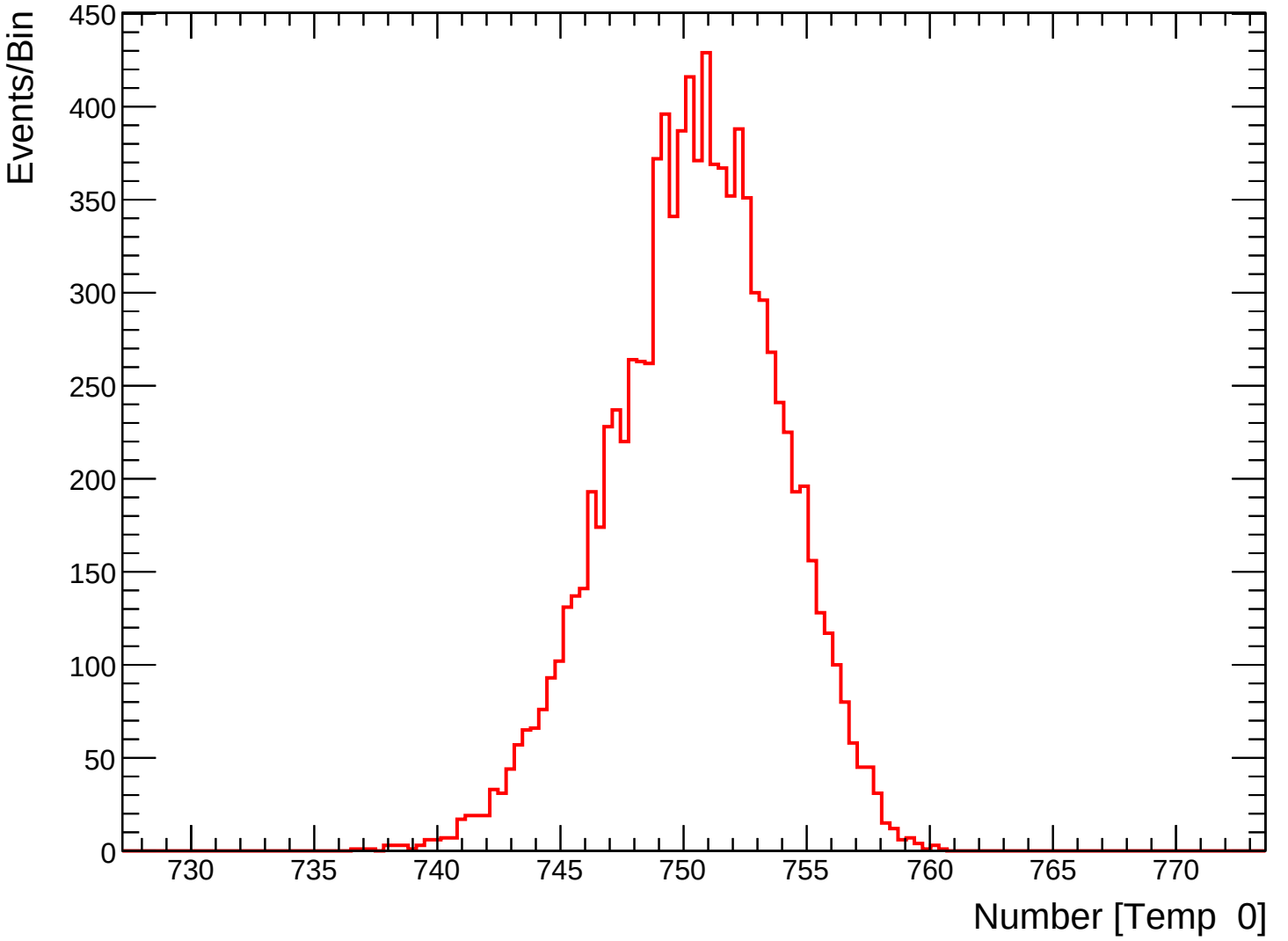

Time 41 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (907.3 ± 32.7)
e⁻+π⁻ (409.0 ± 23.8)
χ² 0.85
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

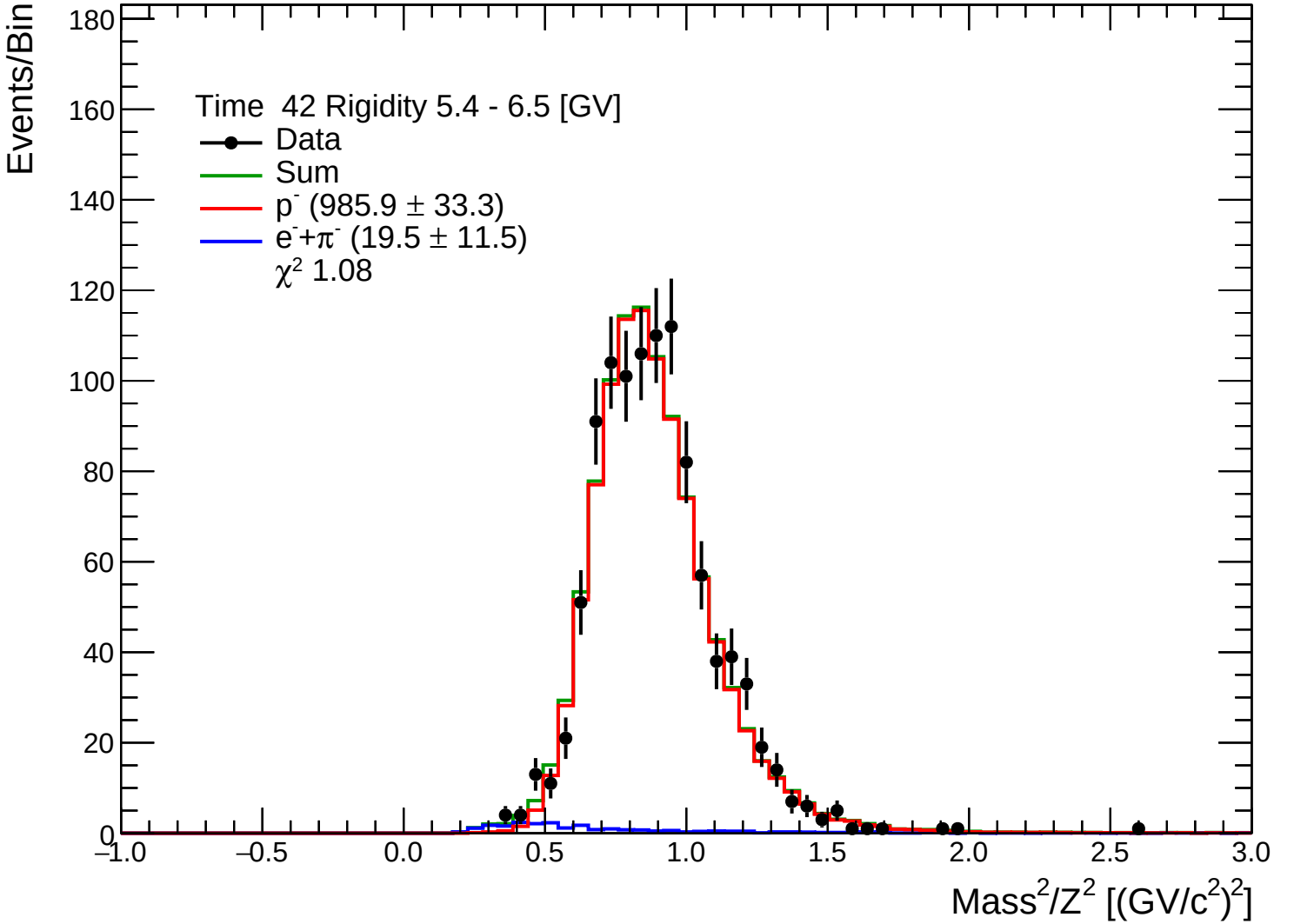

Events/Bin
400
350
300
250
200
150
100
50
0
902
904
906
908
910
912
914
Number [Temp 0]

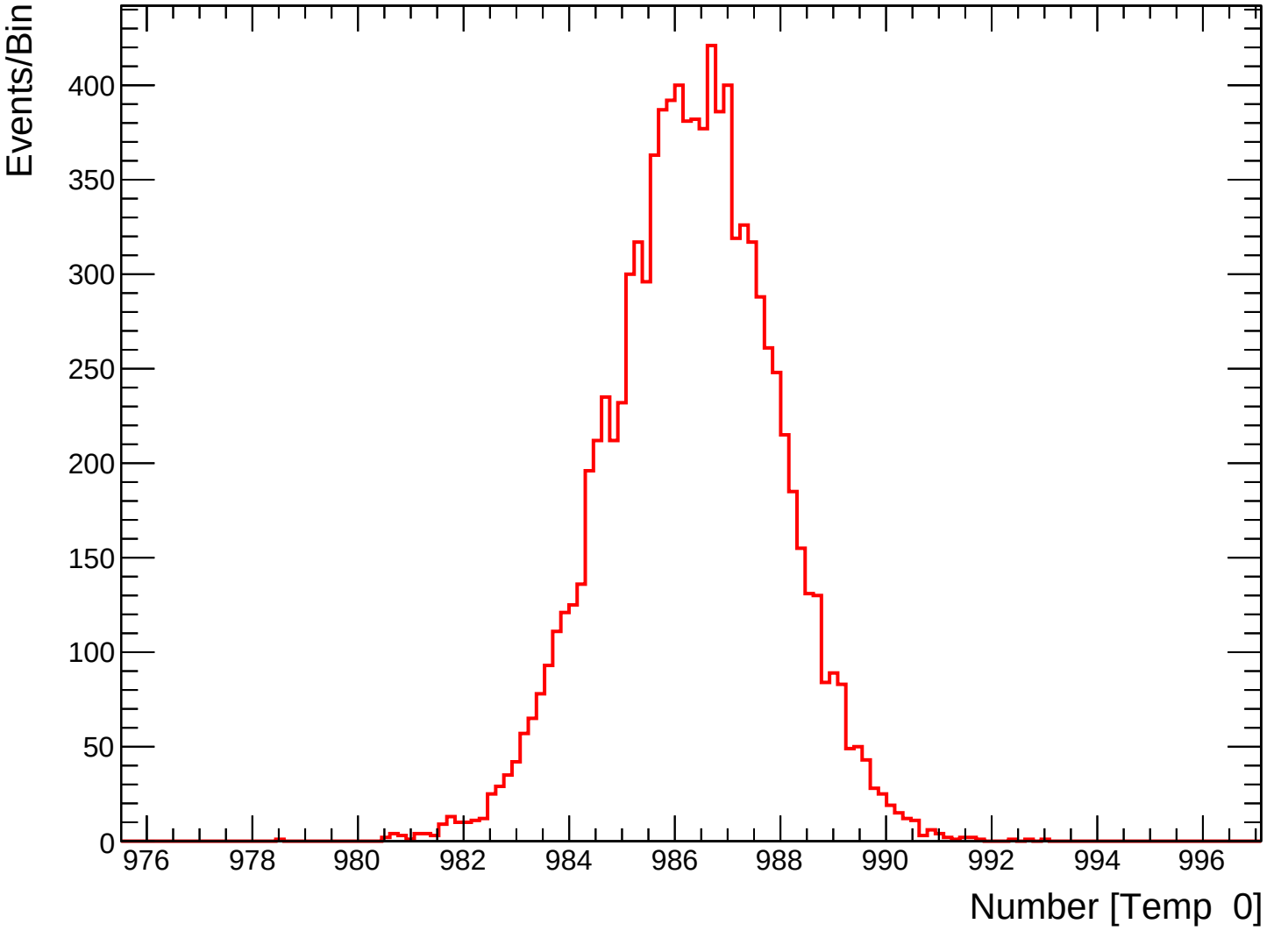

Time 42 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (385.5 ± 25.7)
e⁻+π⁻ (37.7 ± 17.7)
χ² 1.18
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

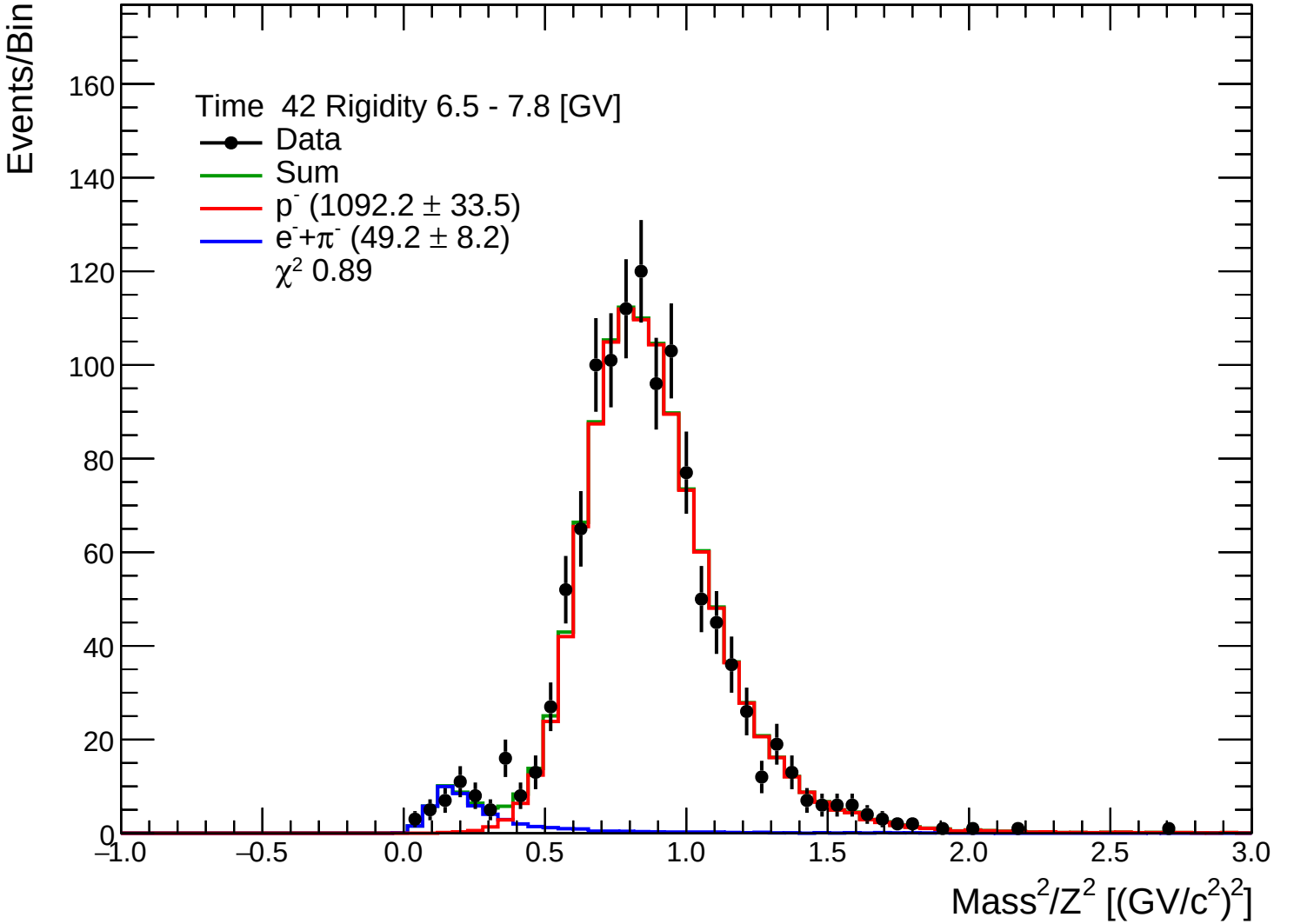

Events/Bin
400
350
300
250
200
150
100
50
0
370
380
390
400
410
Number [Temp 0]

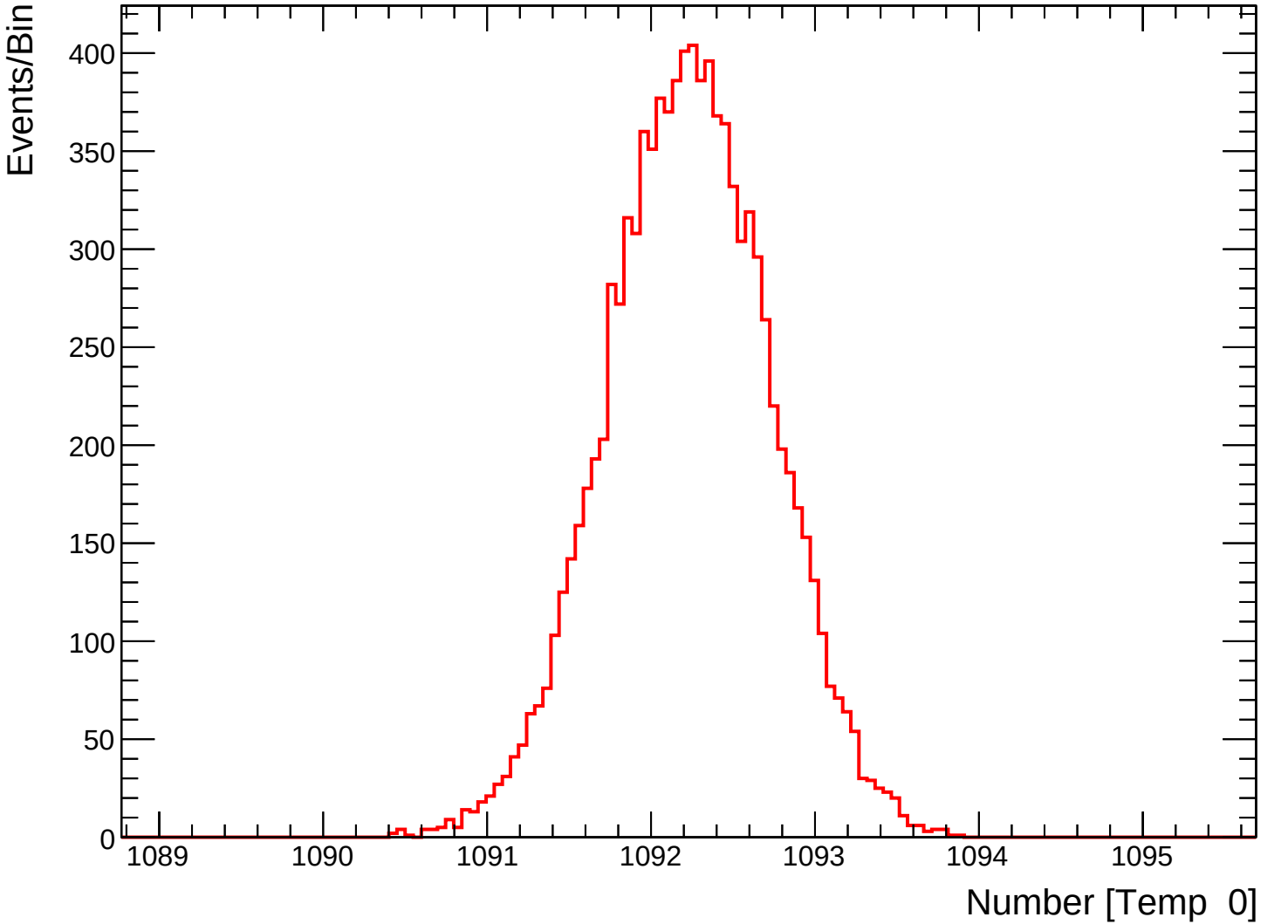

Time 42 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (749.9 ± 30.0)
e⁻+π⁻ (26.4 ± 13.0)
χ² 0.87
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

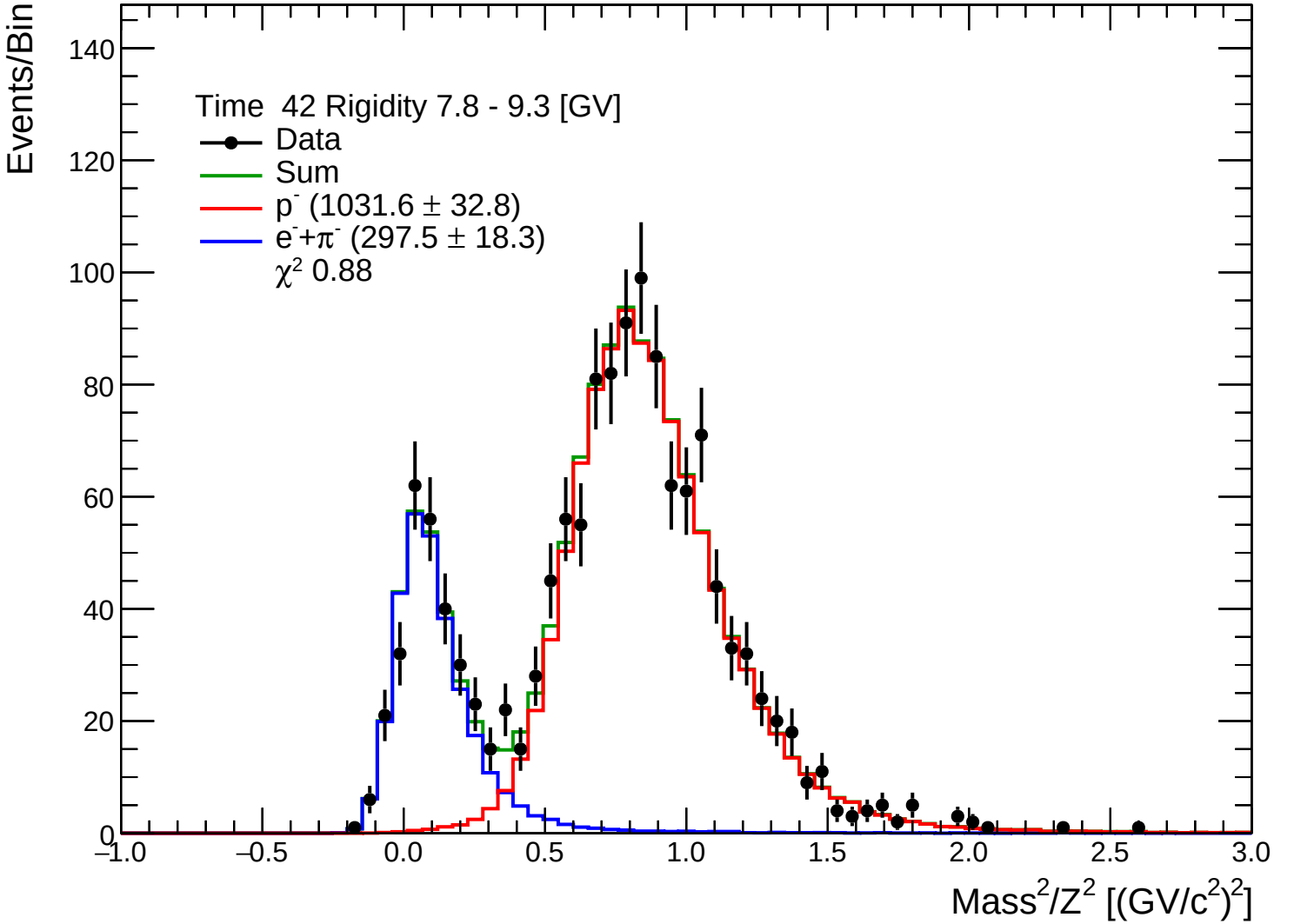

Events/Bin
450
400
350
300
250
200
150
100
50
0
730
735
740
745
750
755
760
765
770
Number [Temp 0]

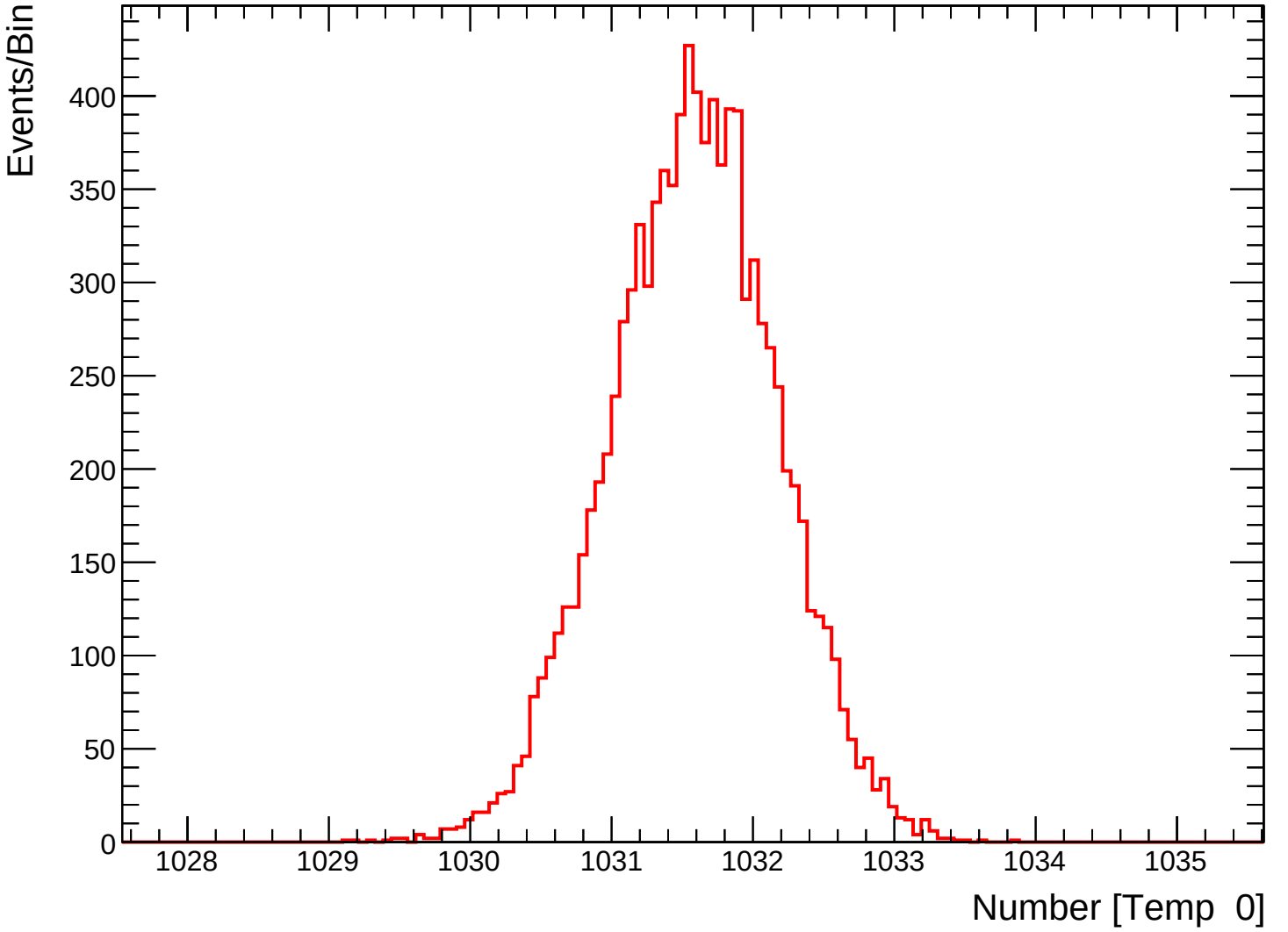

Time 42 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (985.9 ± 33.3)
e⁻+π⁻ (19.5 ± 11.5)
χ² 1.08
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

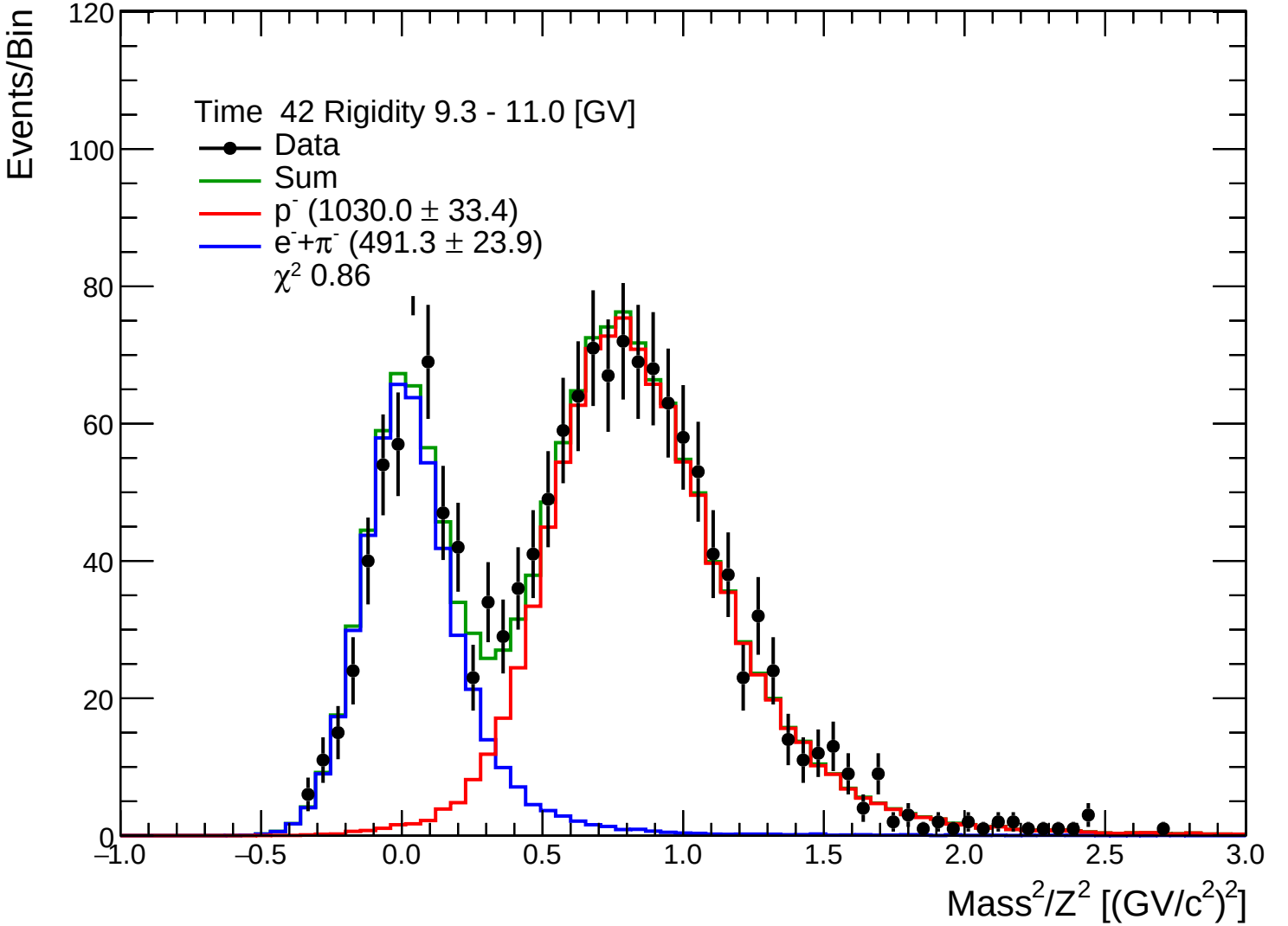

Events/Bin
400
350
300
250
200
150
100
50
0
976
978
980
982
984
986
988
990
992
994
996
Number [Temp 0]

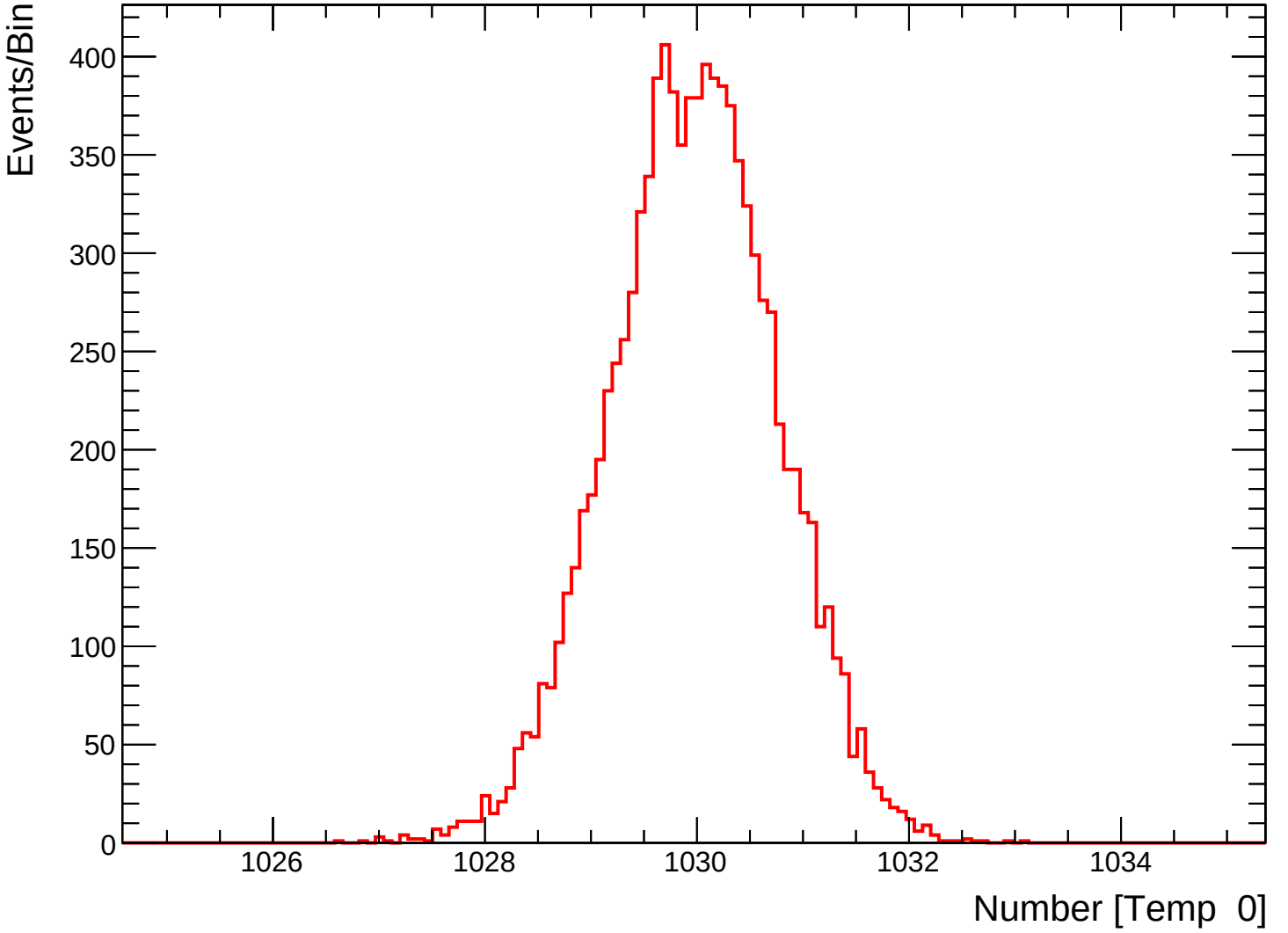

Time 42 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1092.2 ± 33.5)
e⁻+π⁻ (49.2 ± 8.2)
χ² 0.89
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

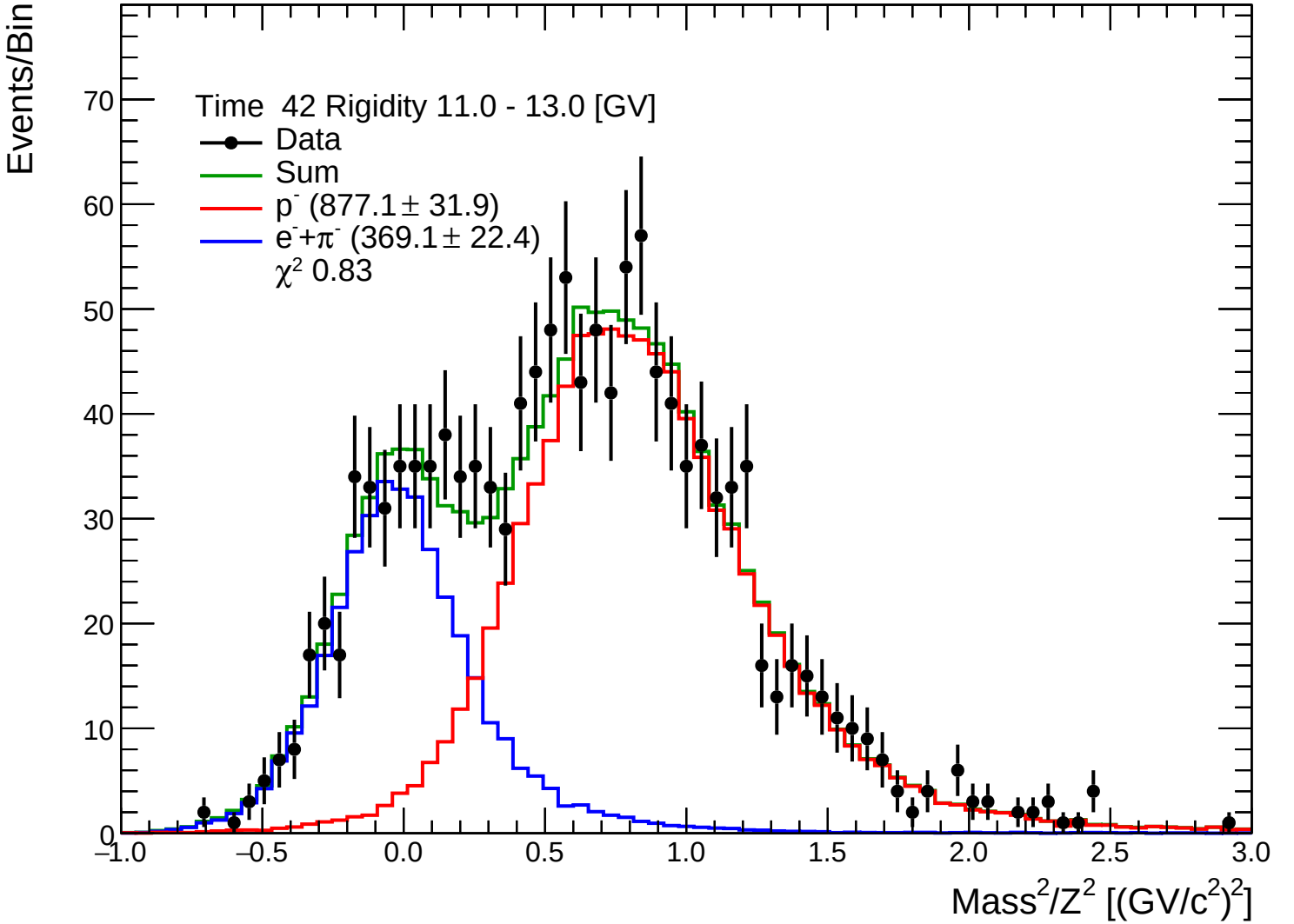

Events/Bin
400
350
300
250
200
150
100
50
0
1089
1090
1091
1092
1093
1094
1095
Number [Temp 0]

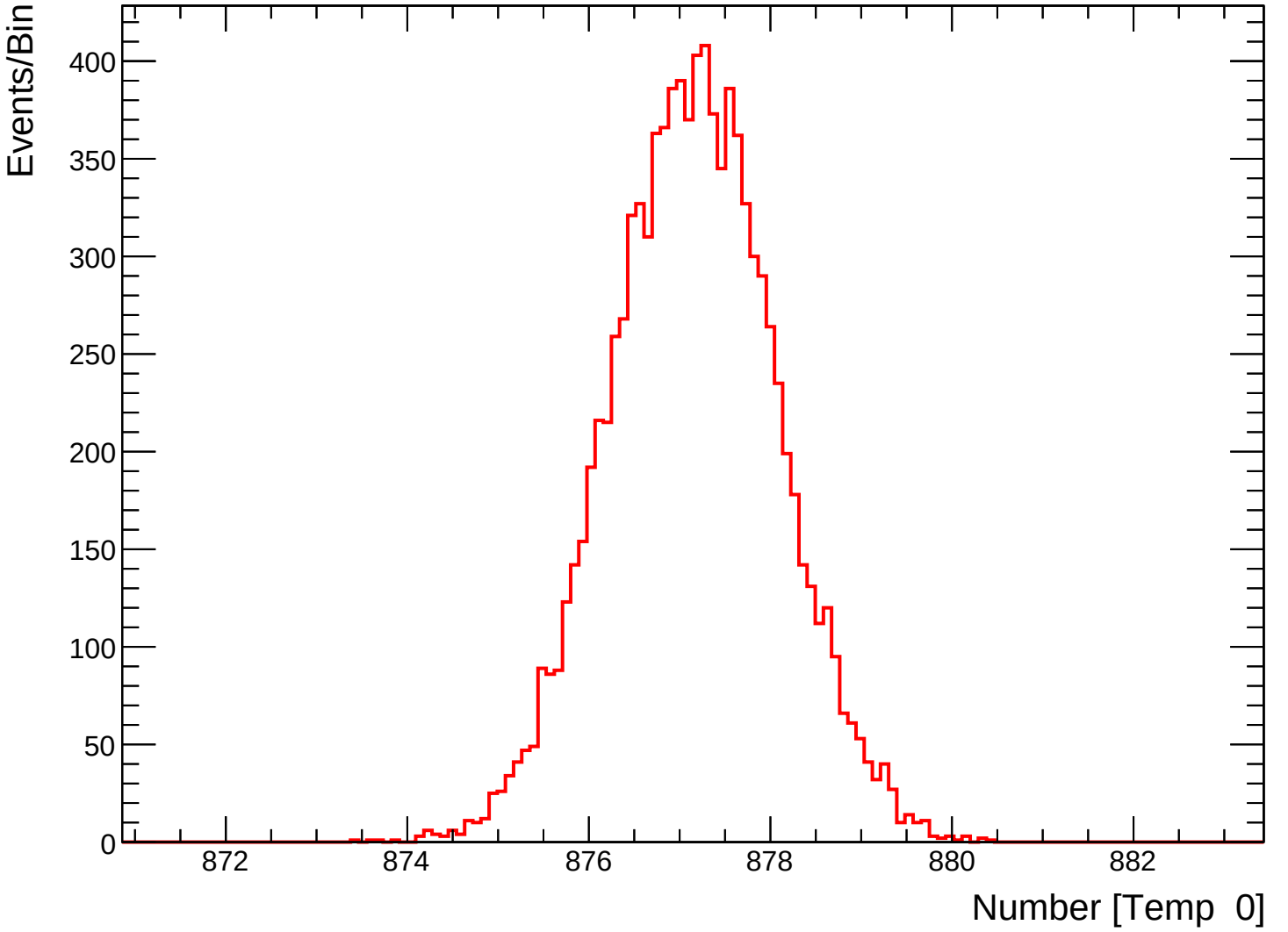

Time 42 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1031.6 ± 32.8)
e⁻+π⁻ (297.5 ± 18.3)
χ² 0.88
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

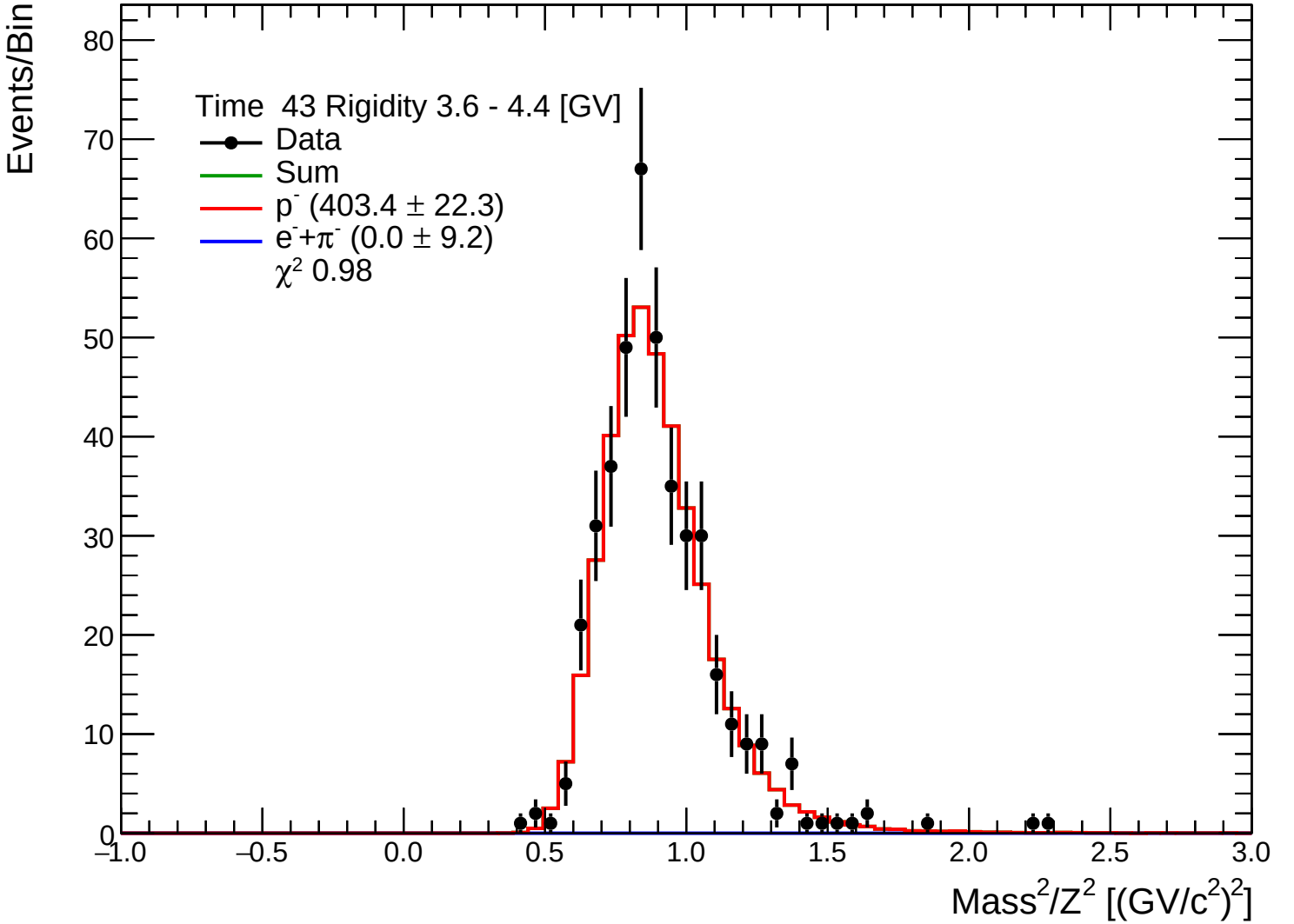

Events/Bin
400
350
300
250
200
150
100
50
0
1028
1029
1030
1031
1032
1033
1034
1035
Number [Temp 0]

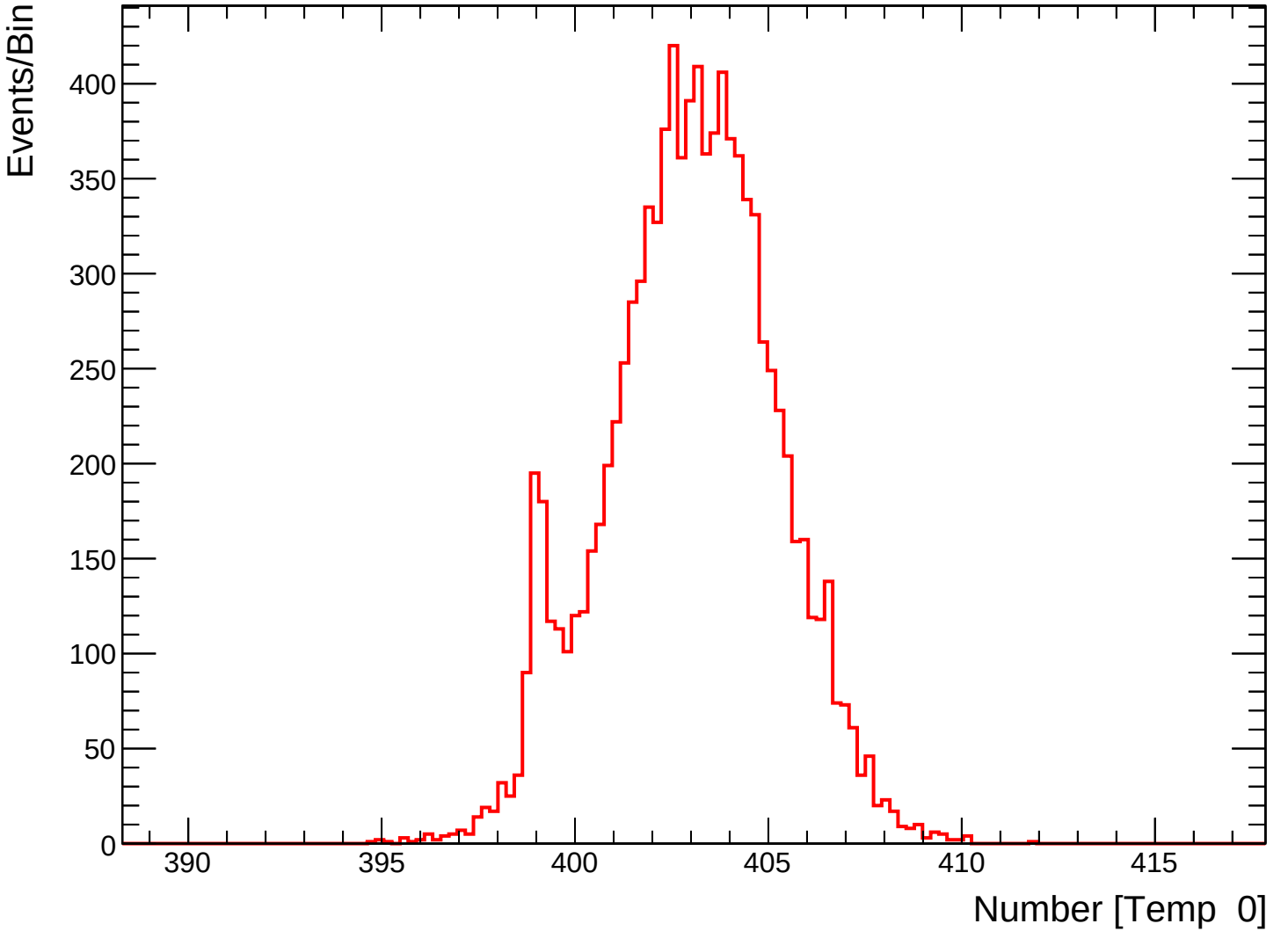

Time 42 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (1030.0 ± 33.4)
e⁻+π⁻ (491.3 ± 23.9)
χ² 0.86
Events/Bin
Mass²/Z² [(GV/c²)²]
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

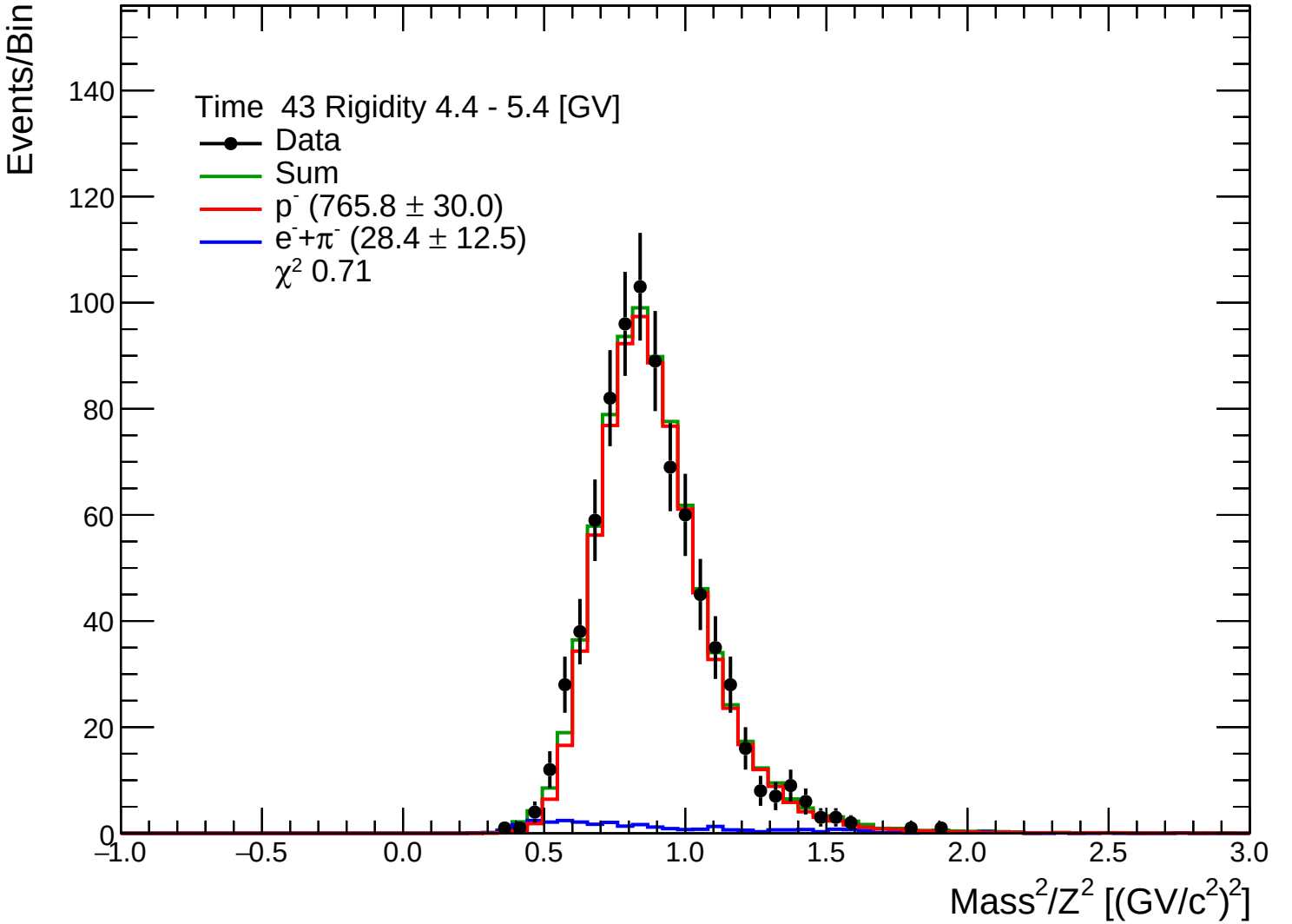

Events/Bin
400
350
300
250
200
150
100
50
0
1026
1028
1030
1032
1034
Number [Temp 0]

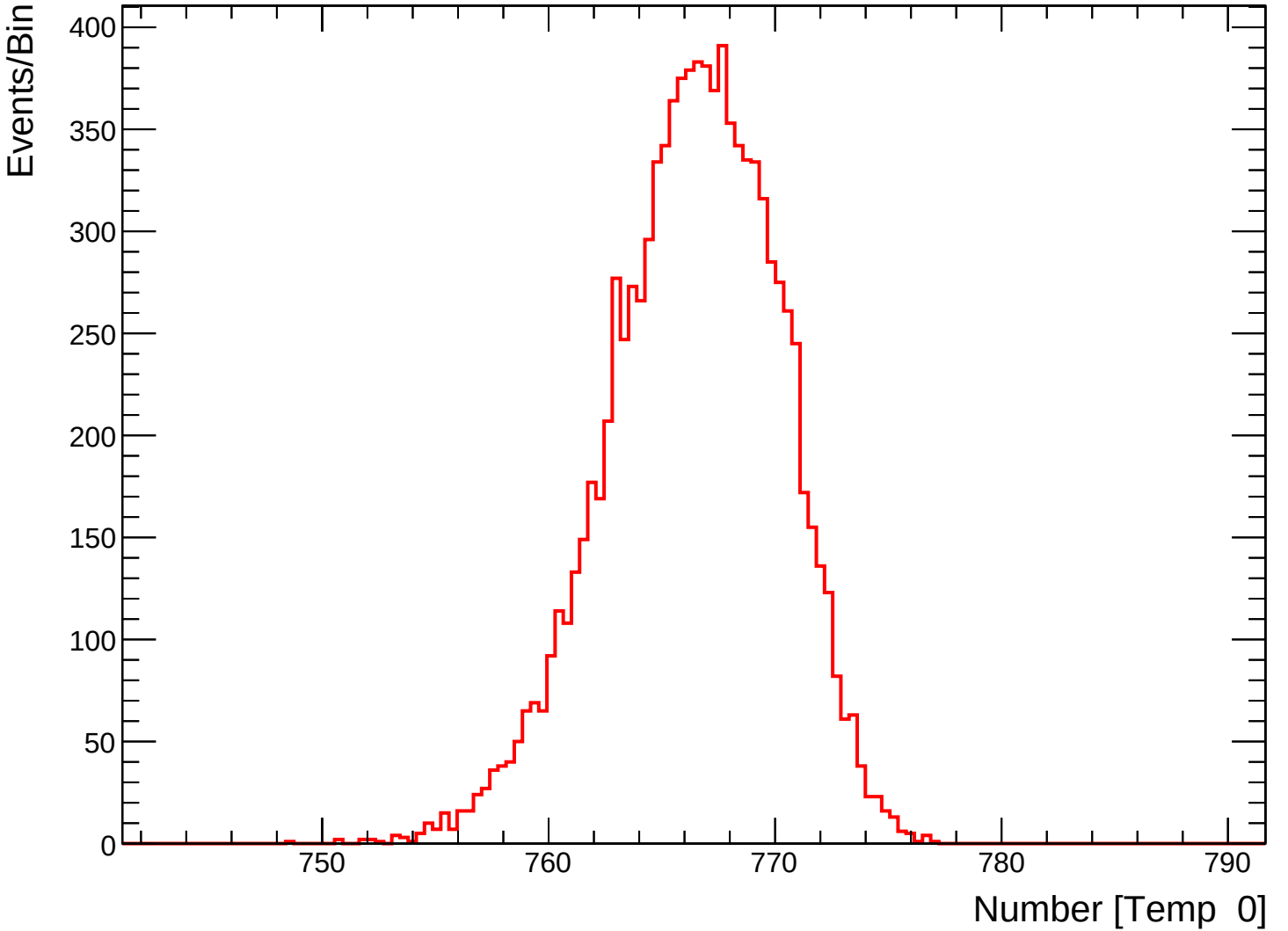

Time 42 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (877.1 ± 31.9)
e⁻+π⁻ (369.1 ± 22.4)
χ² 0.83
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

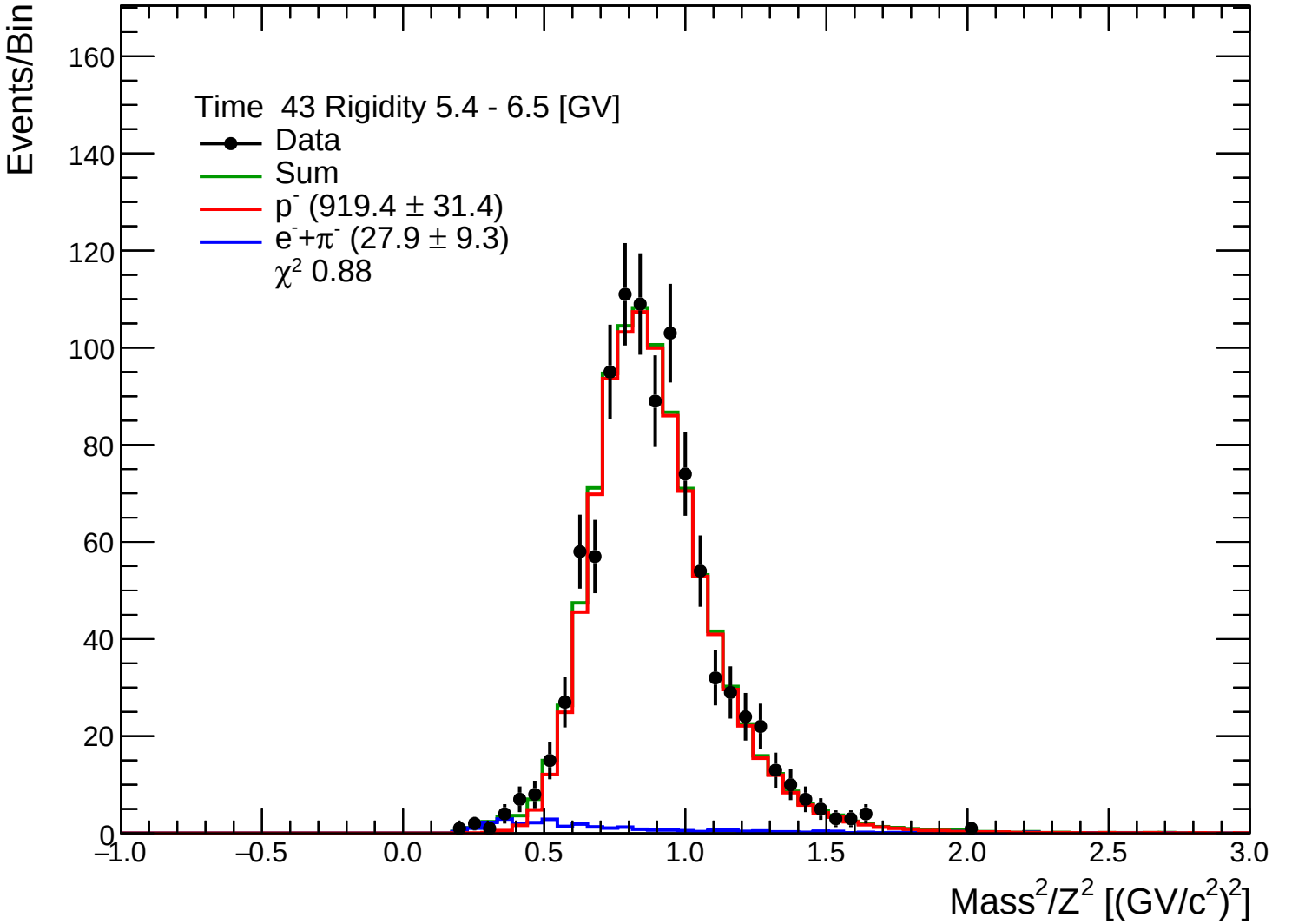

Events/Bin
400
350
300
250
200
150
100
50
0
872
874
876
878
880
882
Number [Temp 0]

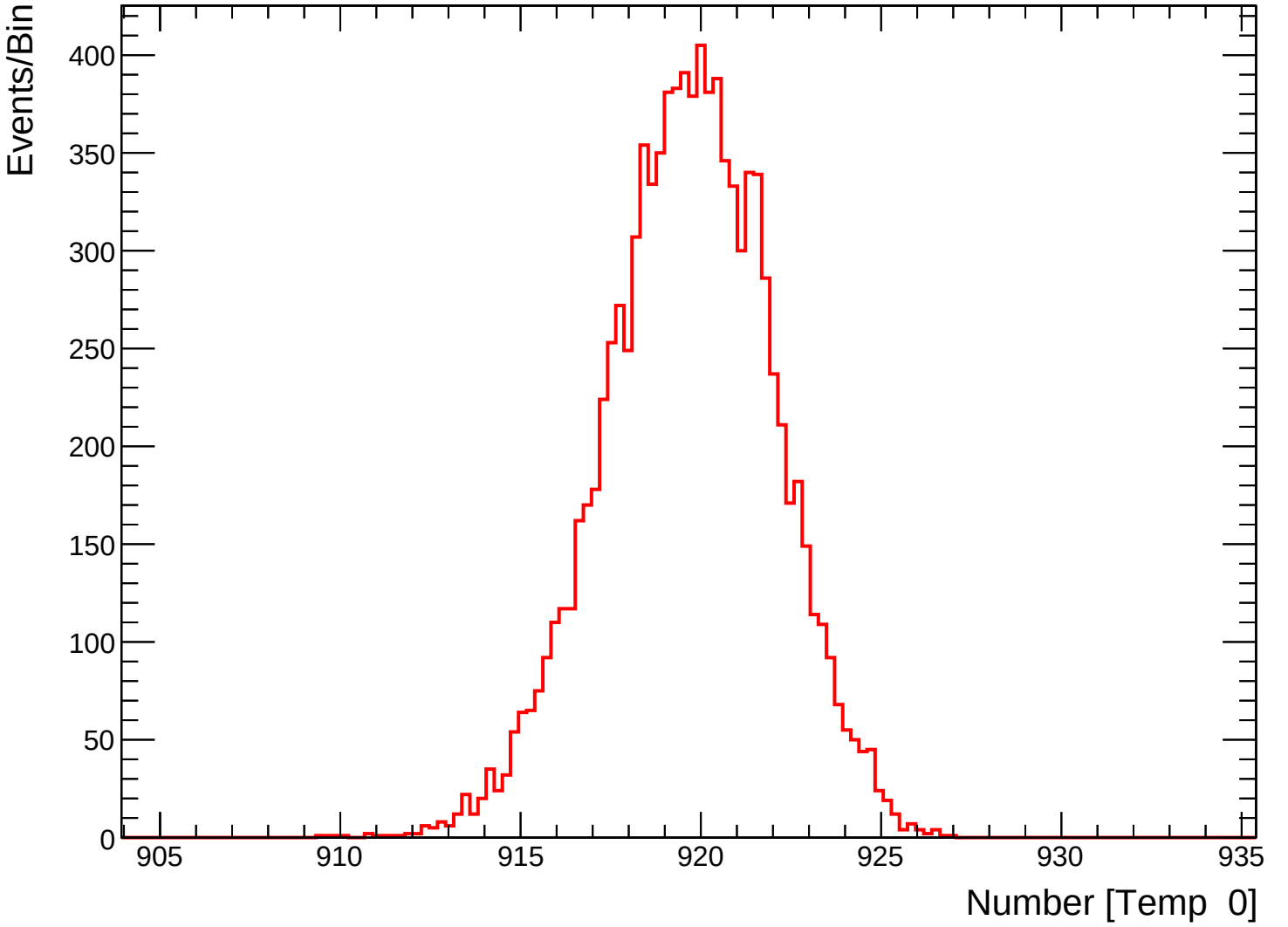

Time 43 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (403.4 ± 22.3)
e⁻+π⁻ (0.0 ± 9.2)
χ² 0.98
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

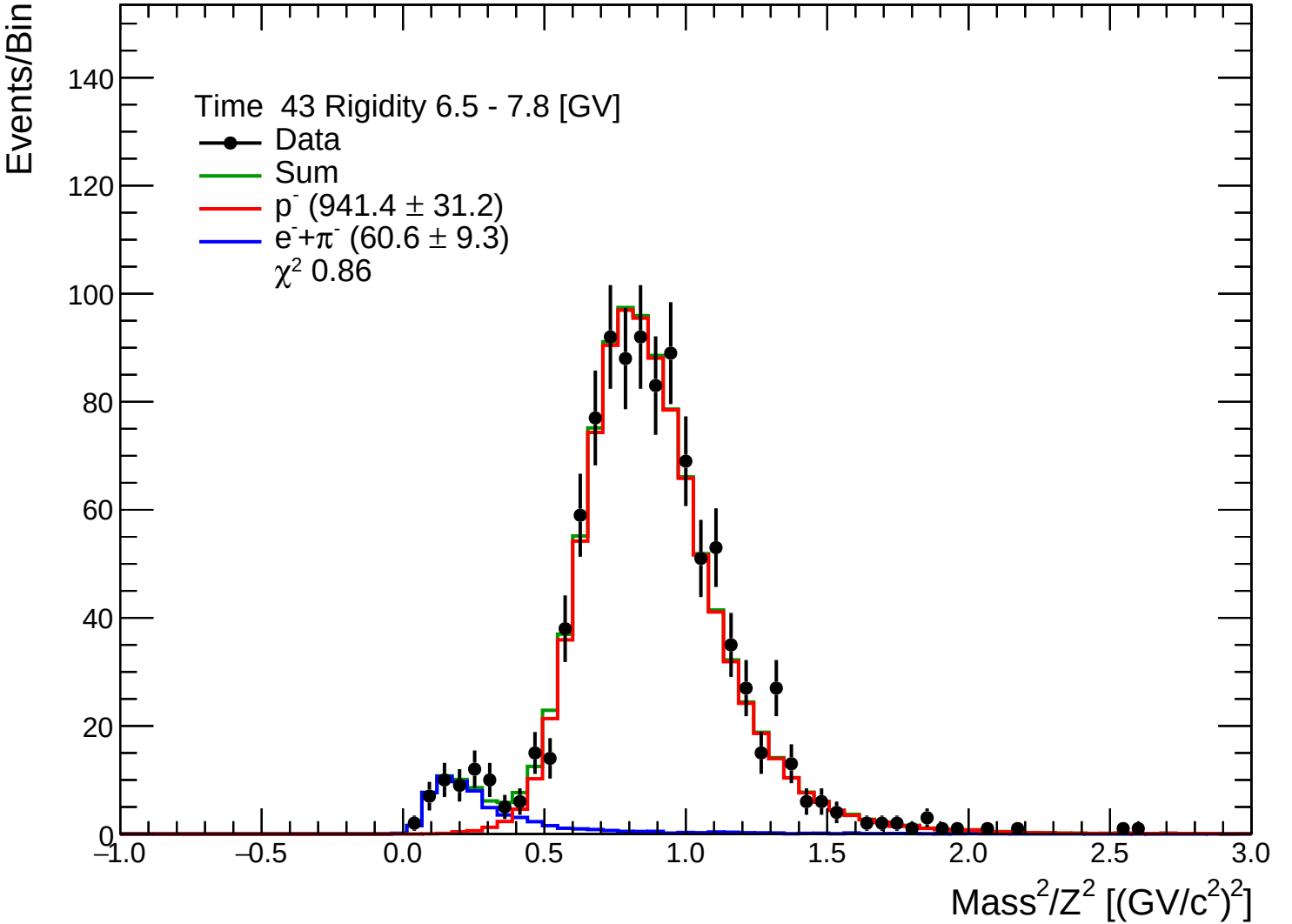

Events/Bin
400
350
300
250
200
150
100
50
0
390
395
400
405
410
415
Number [Temp 0]

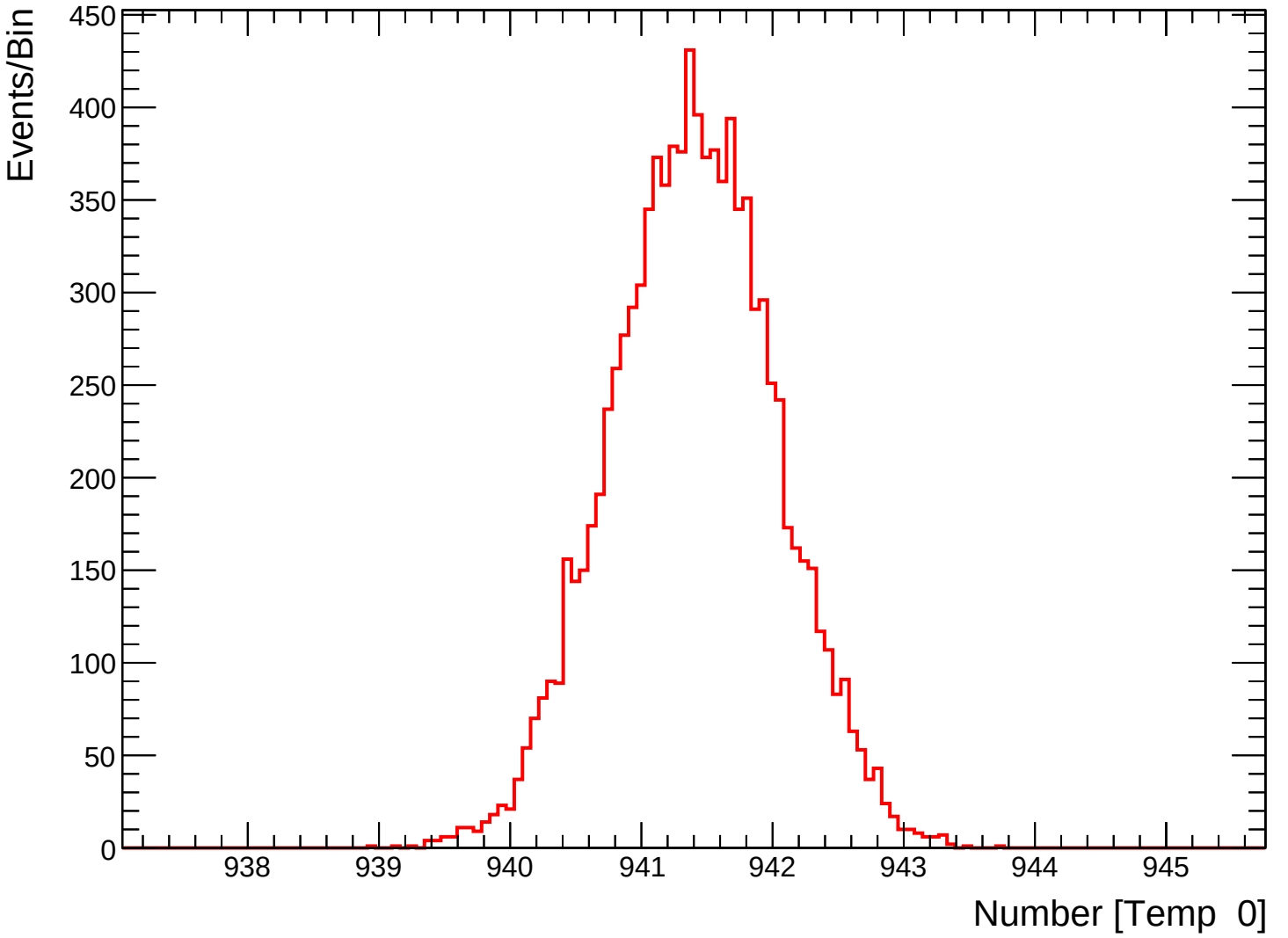

Time 43 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (765.8 ± 30.0)
e⁻+π⁻ (28.4 ± 12.5)
χ² 0.71
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

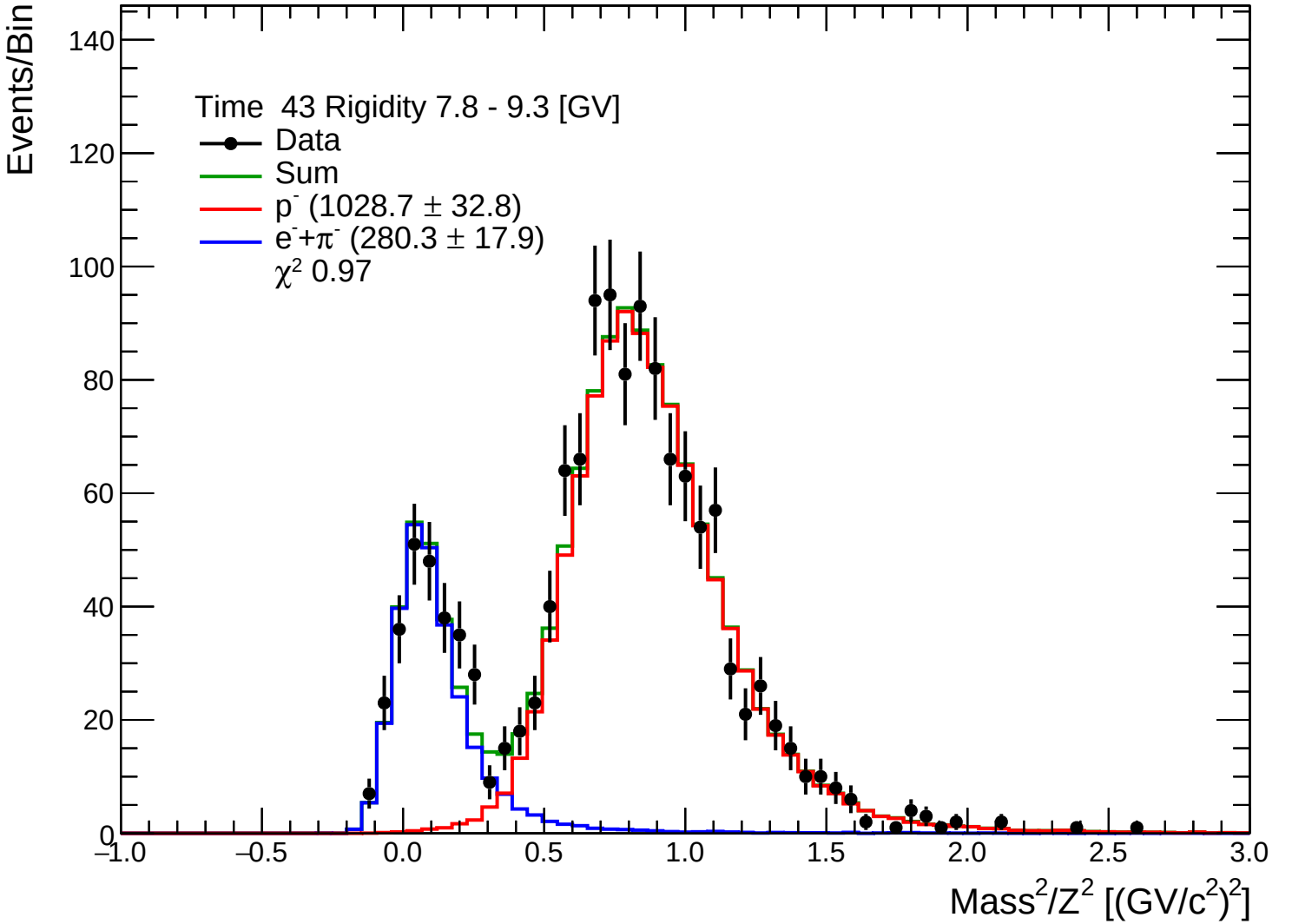

Events/Bin
400
350
300
250
200
150
100
50
0
750
760
770
780
790
Number [Temp 0]

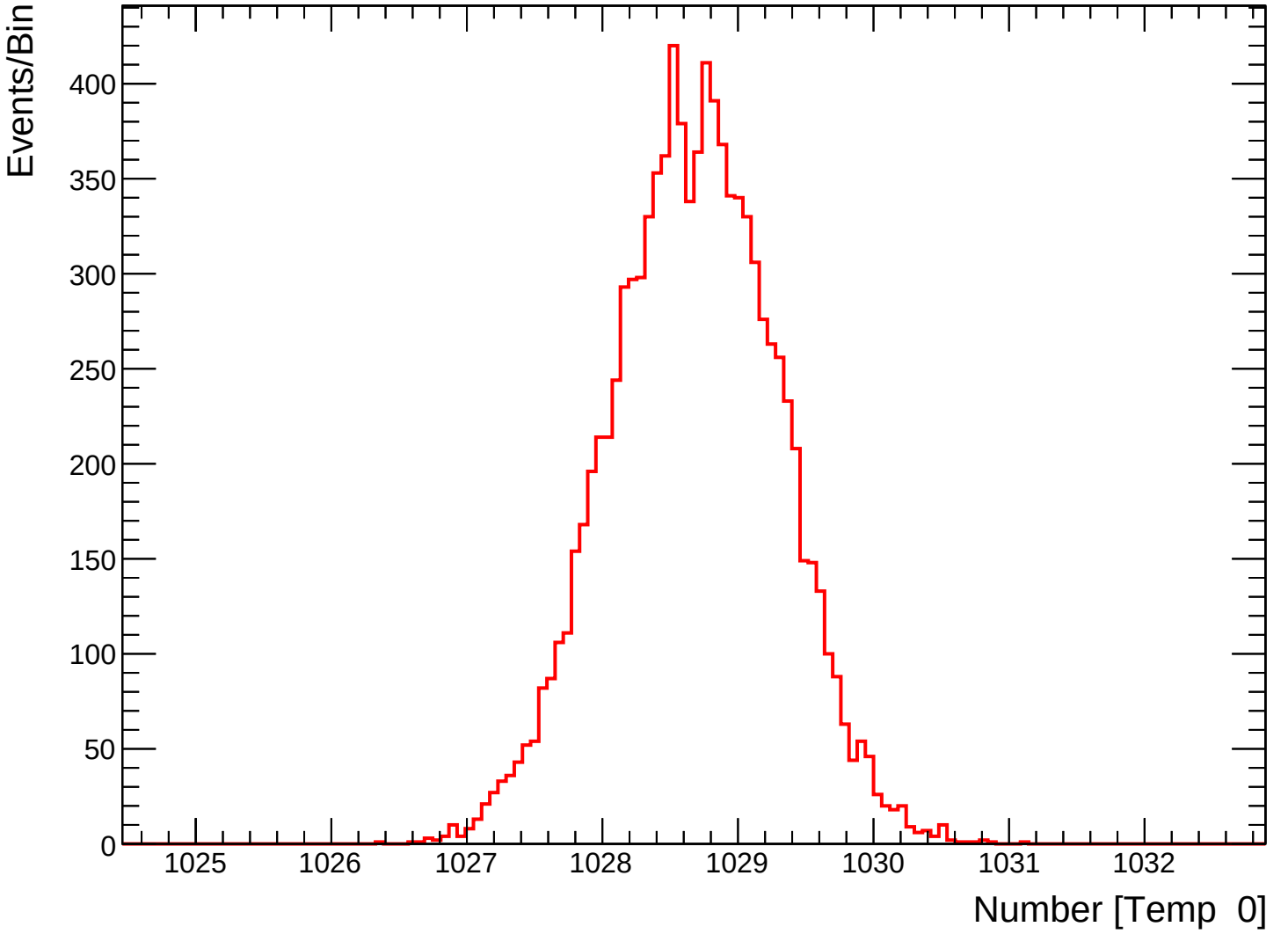

Time 43 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (919.4 ± 31.4)
e⁻+π⁻ (27.9 ± 9.3)
χ² 0.88
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

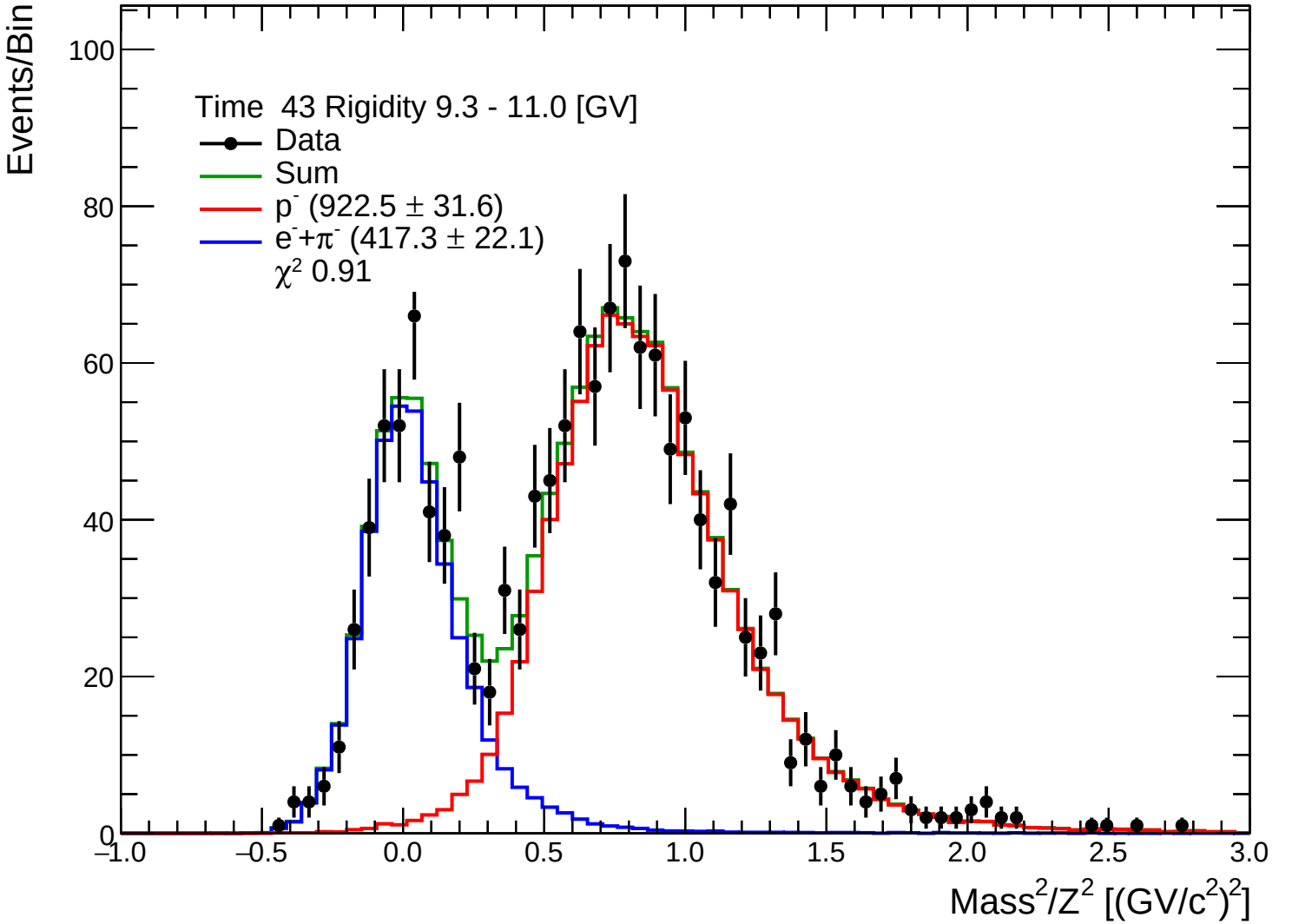

Events/Bin
400
350
300
250
200
150
100
50
0
905
910
915
920
925
930
935
Number [Temp 0]

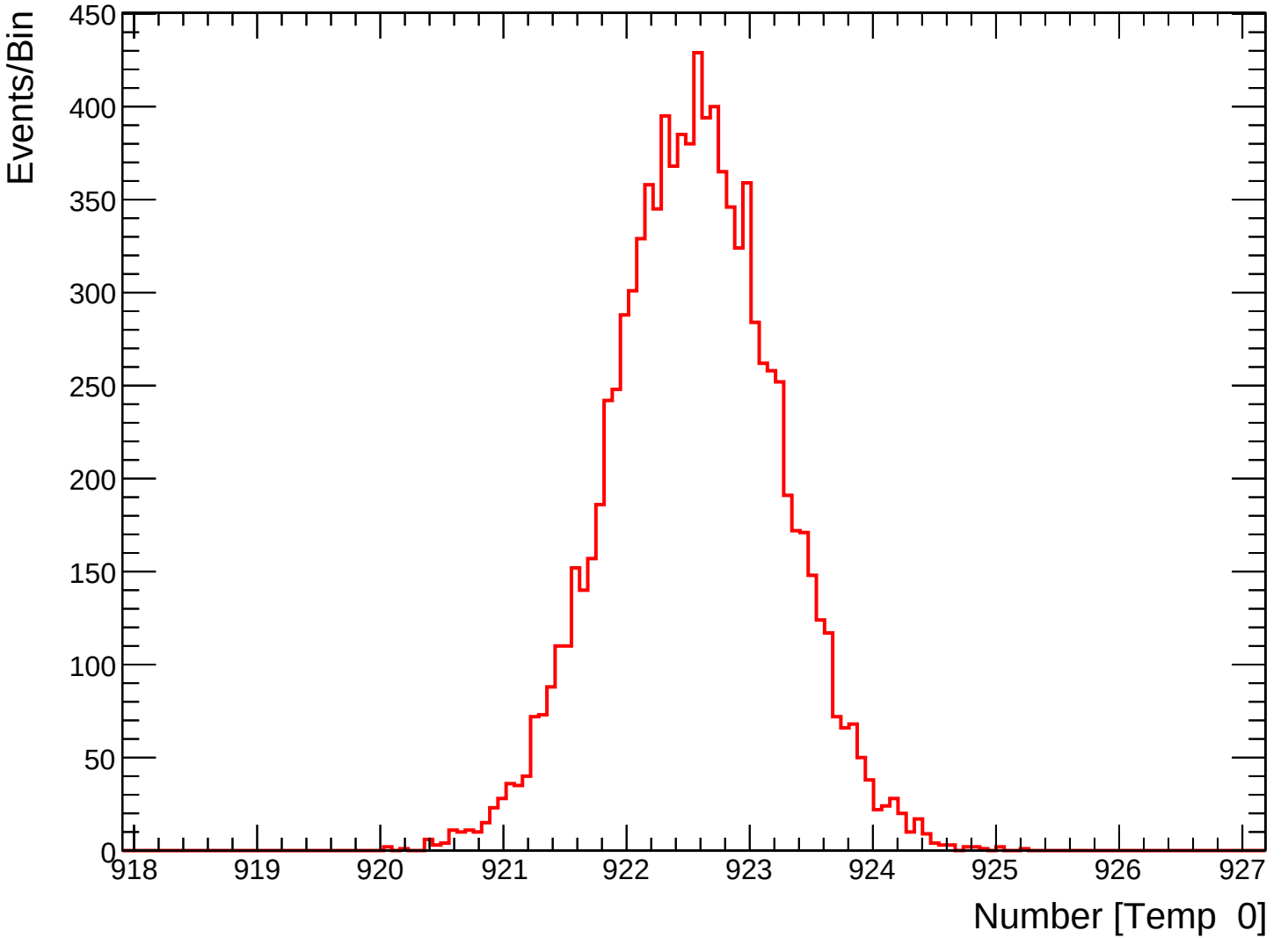

Time 43 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (941.4 ± 31.2)
e⁻+π⁻ (60.6 ± 9.3)
χ² 0.86
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

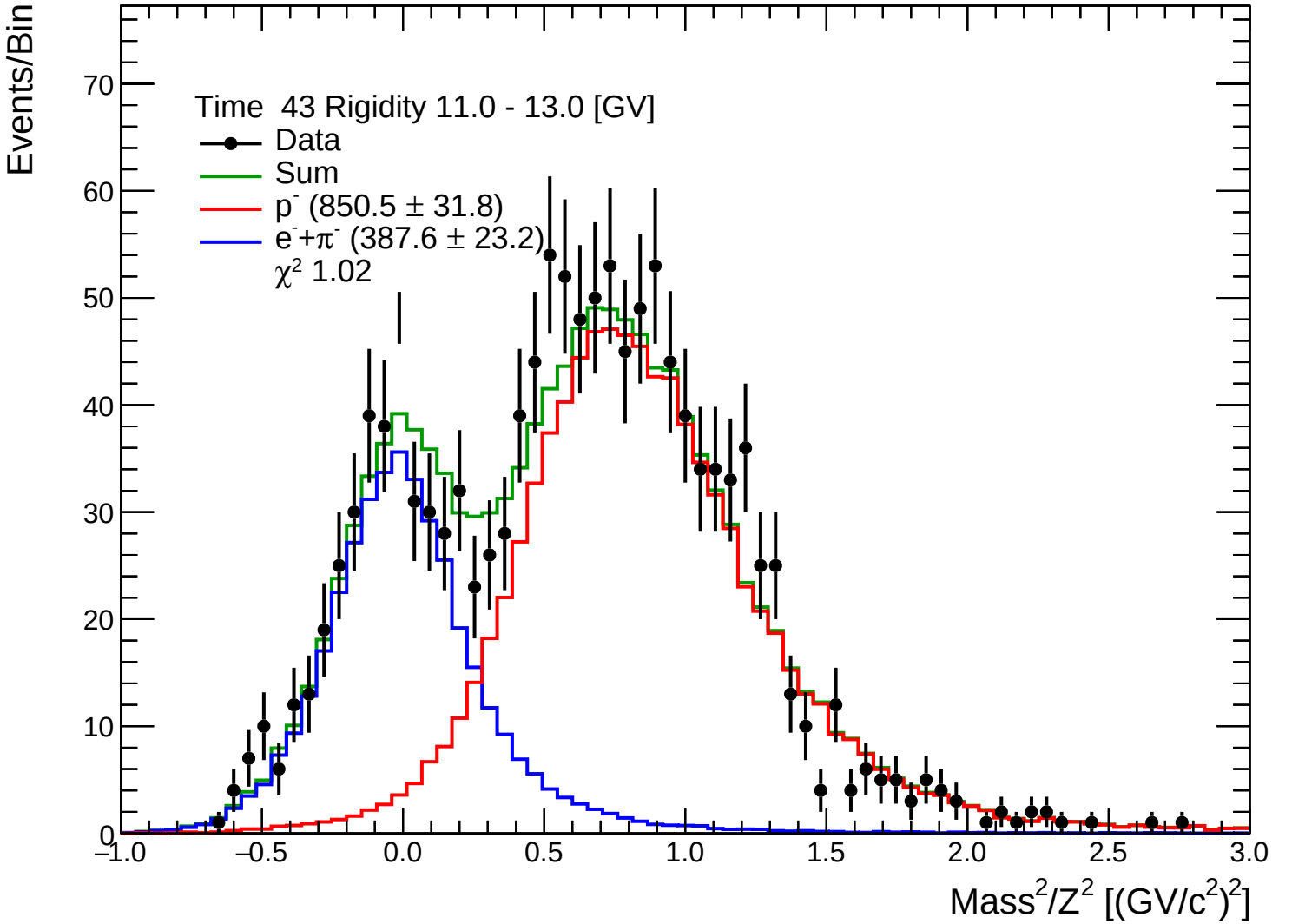

Events/Bin
450
400
350
300
250
200
150
100
50
0
938
939
940
941
942
943
944
945
Number [Temp 0]

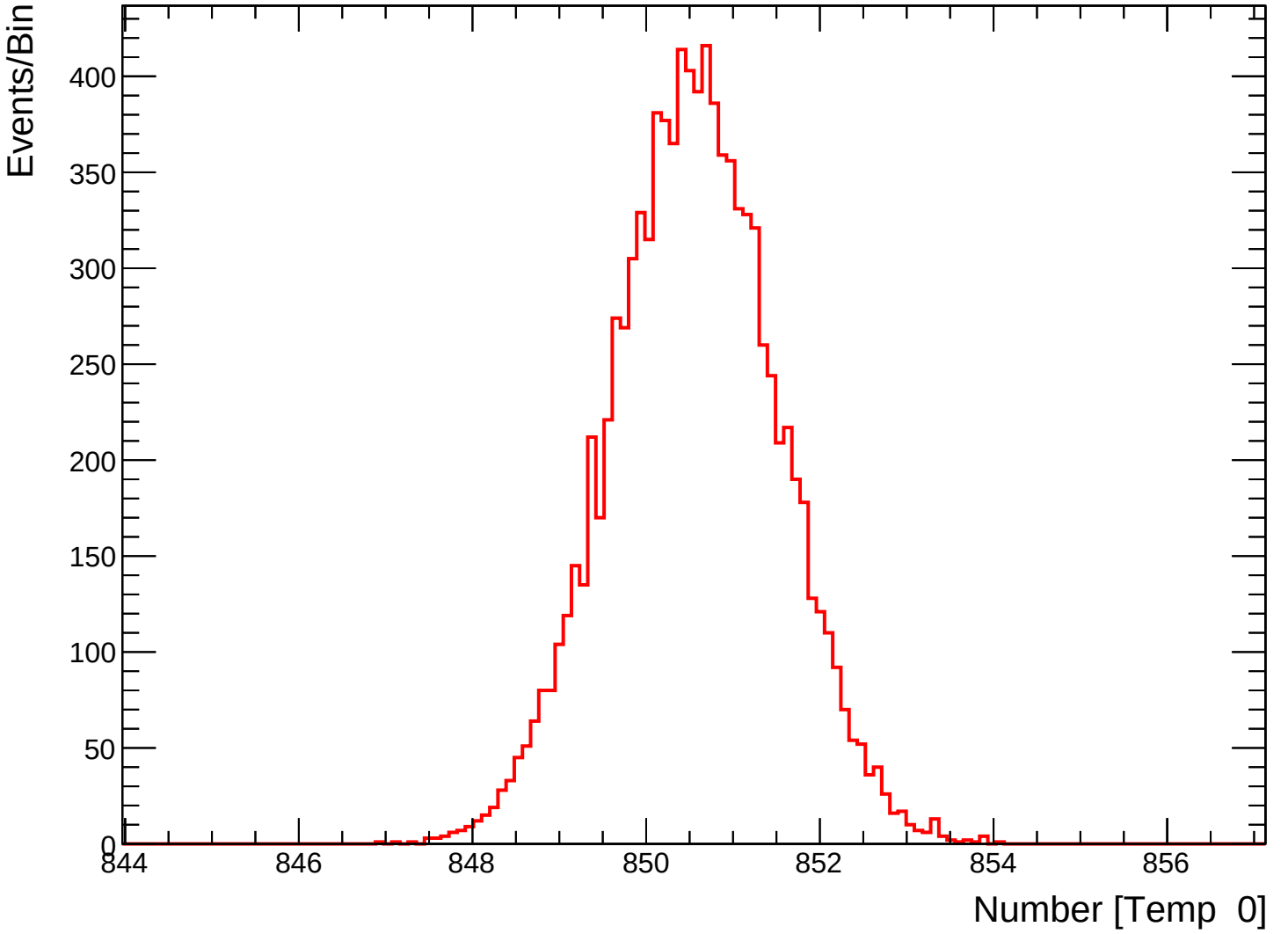

Time 43 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1028.7 ± 32.8)
e⁻+π⁻ (280.3 ± 17.9)
χ² 0.97
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

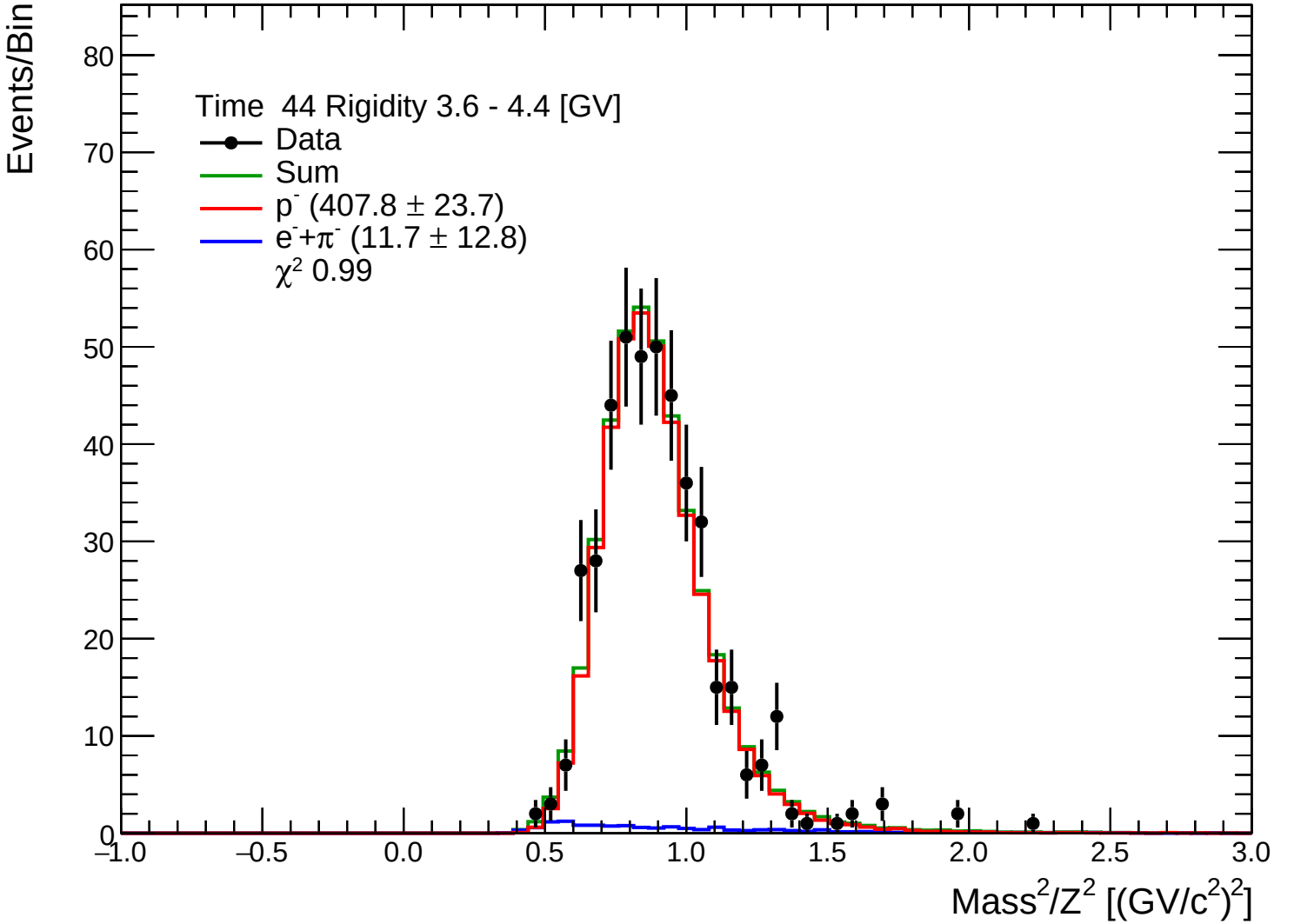

Events/Bin
400
350
300
250
200
150
100
50
0
1025
1026
1027
1028
1029
1030
1031
1032
Number [Temp 0]

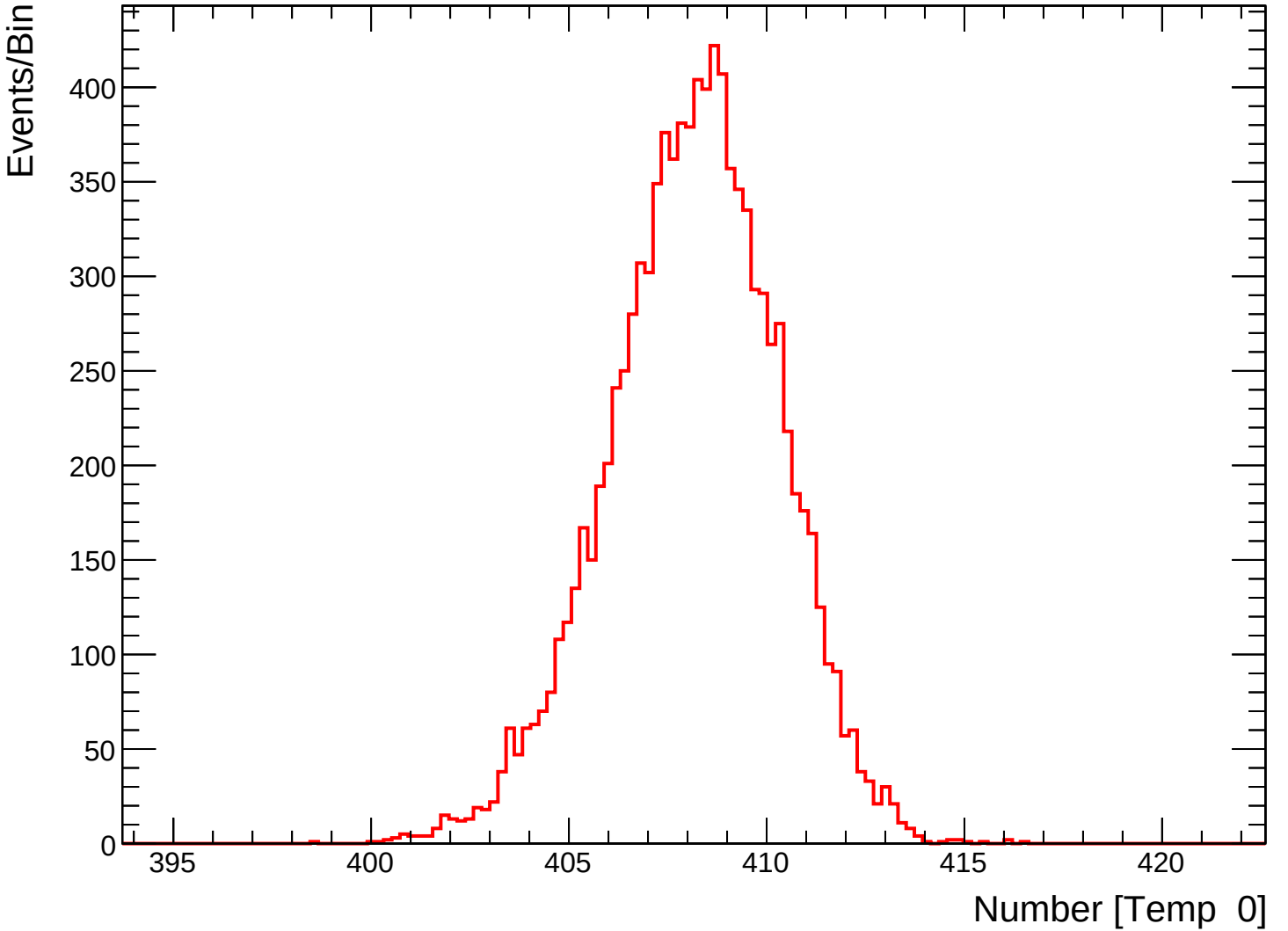

Time 43 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (922.5 ± 31.6)
e⁻+π⁻ (417.3 ± 22.1)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

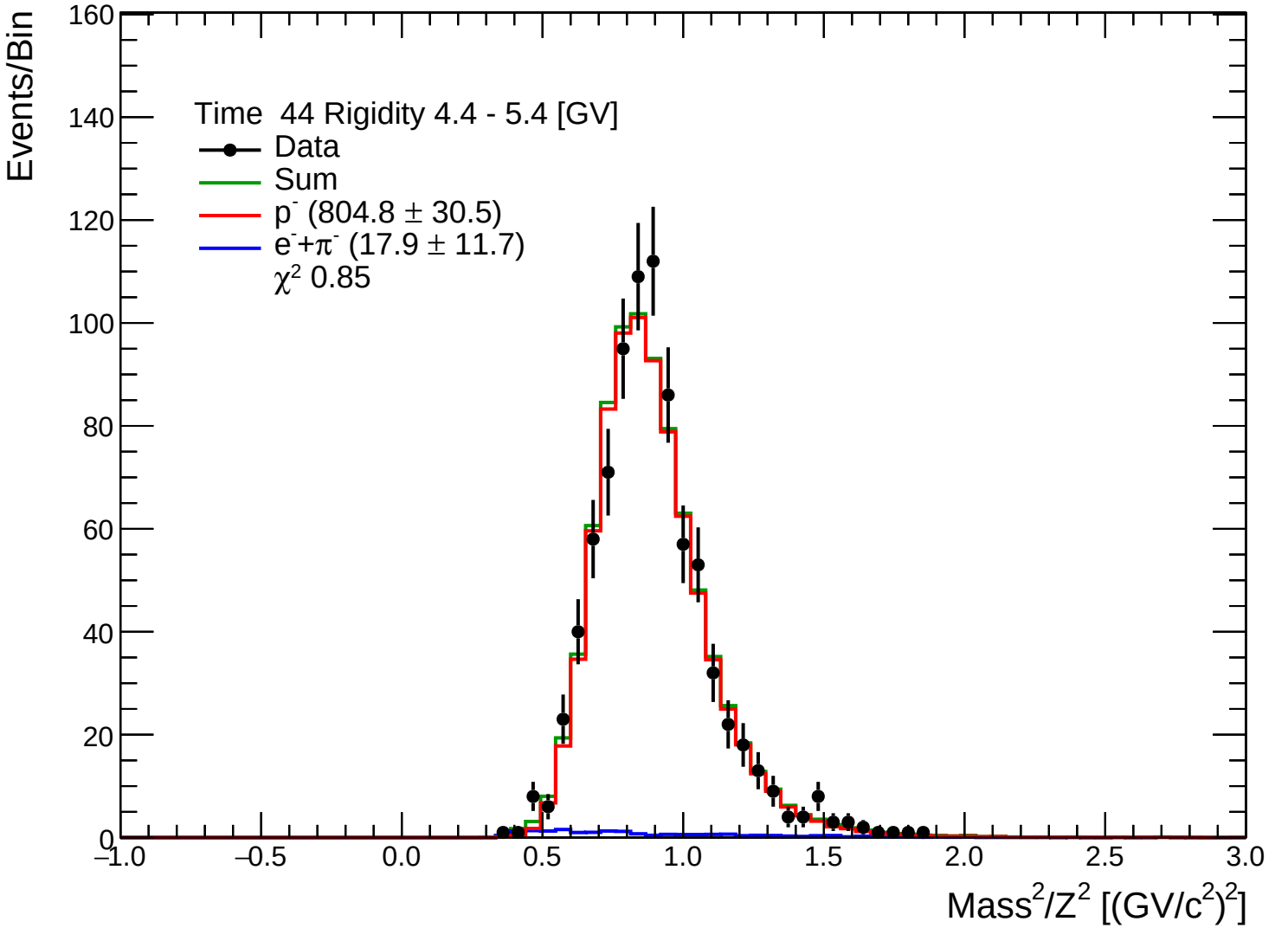

Events/Bin
450
400
350
300
250
200
150
100
50
0
918
919
920
921
922
923
924
925
926
927
Number [Temp 0]

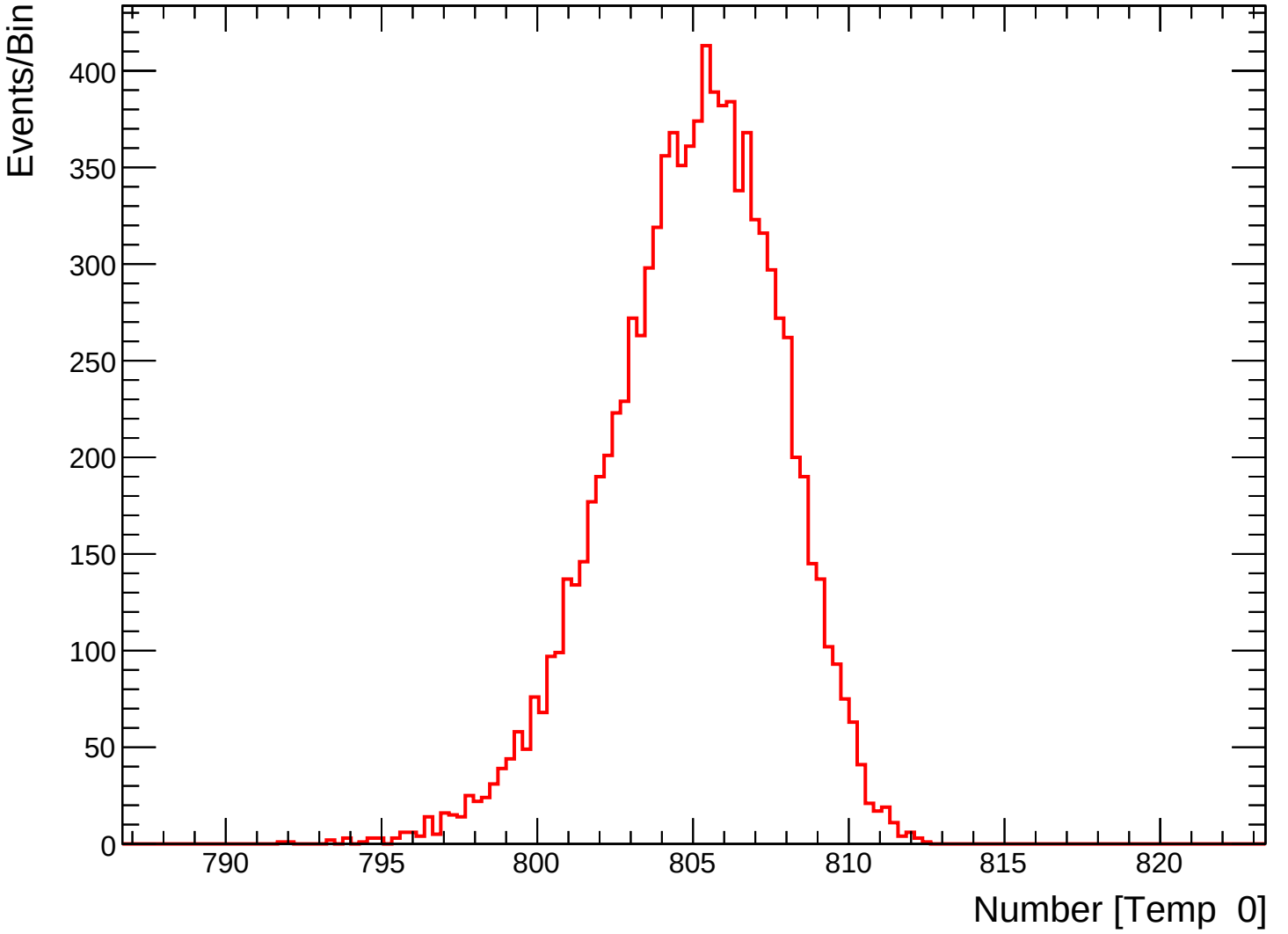

Time 43 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (850.5 ± 31.8)
e⁻+π⁻ (387.6 ± 23.2)
χ² 1.02
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

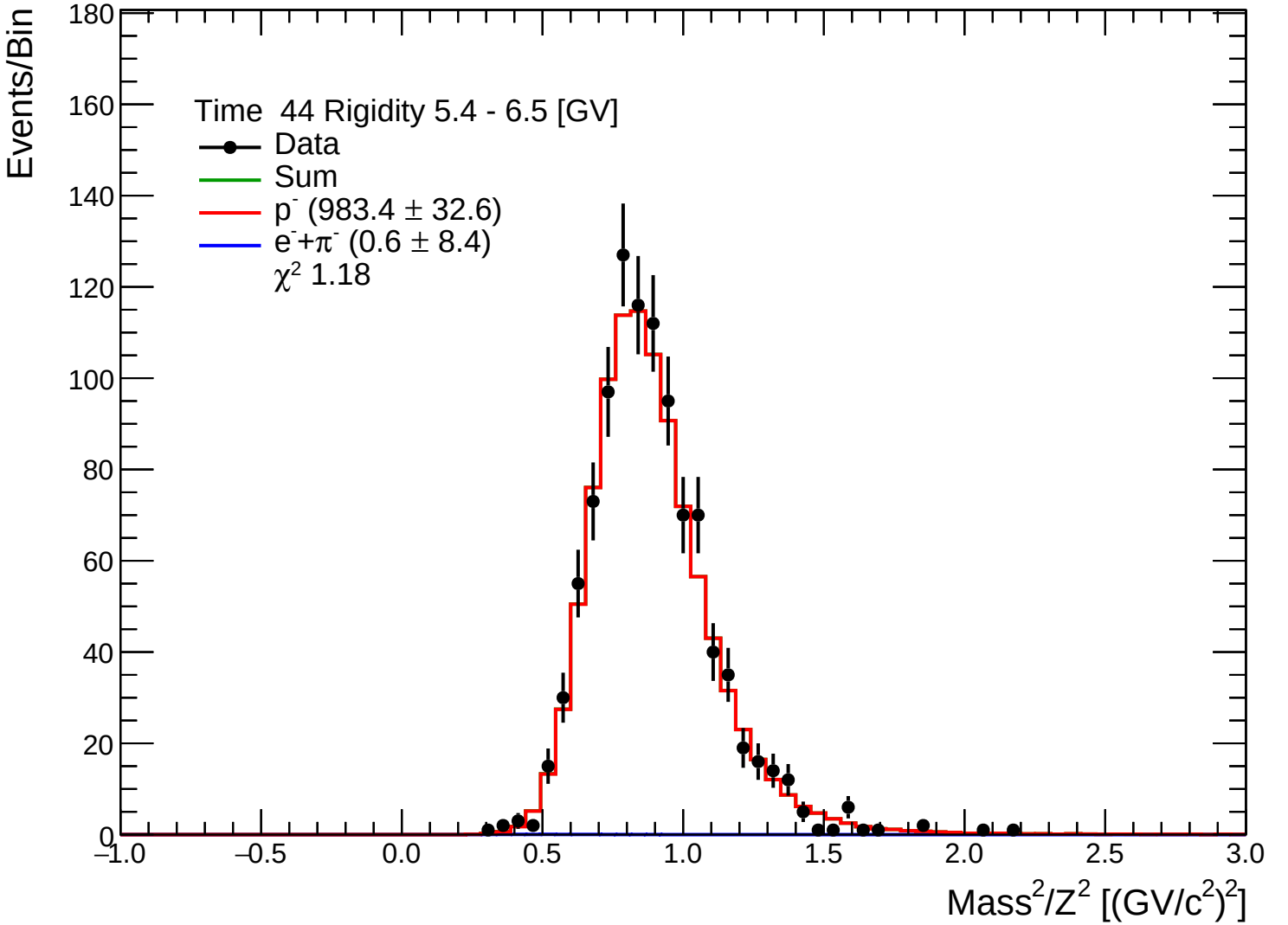

Events/Bin
400
350
300
250
200
150
100
50
0
844
846
848
850
852
854
856
Number [Temp 0]

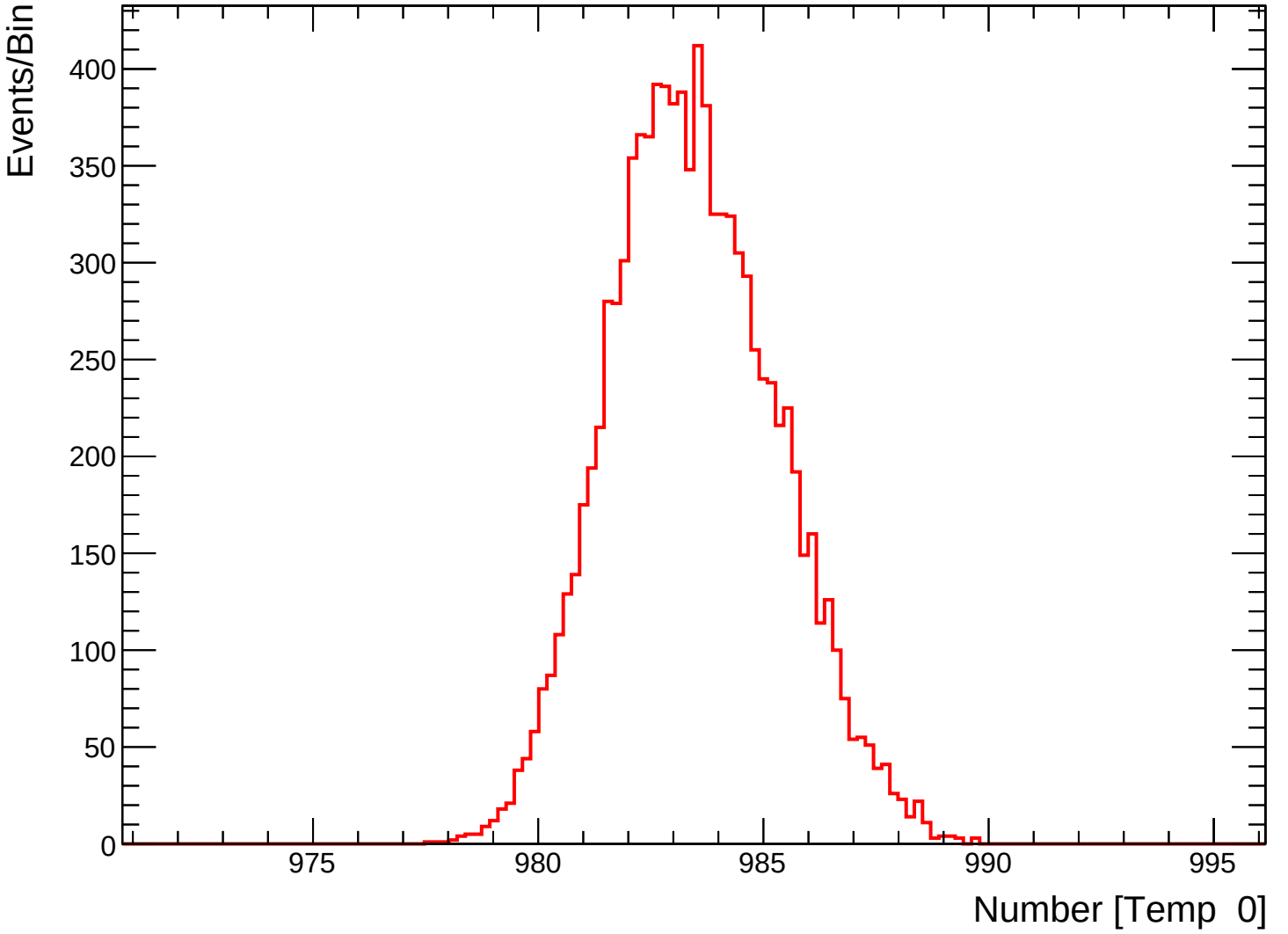

Time 44 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (407.8 ± 23.7)
e⁻+π⁻ (11.7 ± 12.8)
χ² 0.99
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

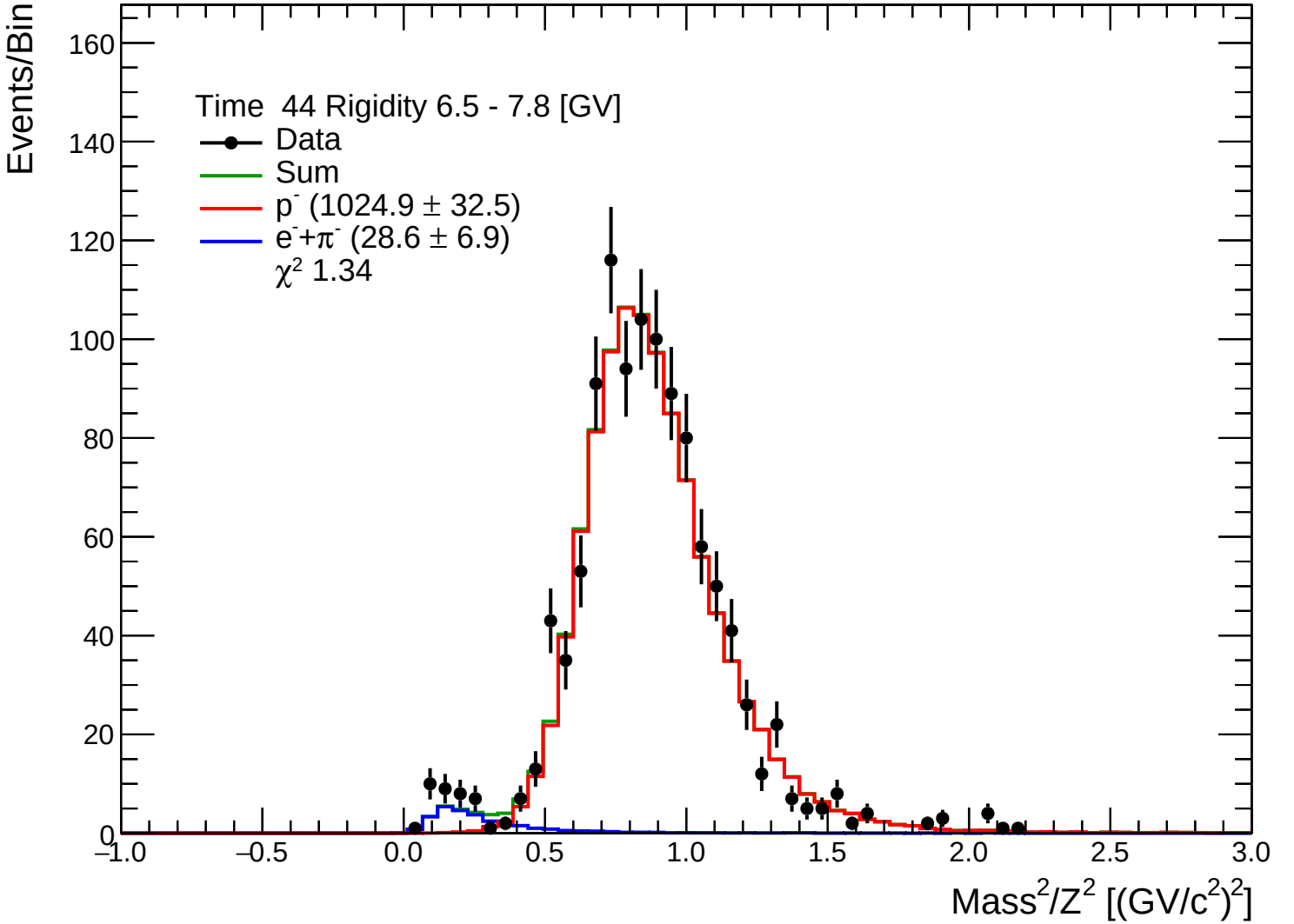

Events/Bin
400
350
300
250
200
150
100
50
0
395
400
405
410
415
420
Number [Temp 0]

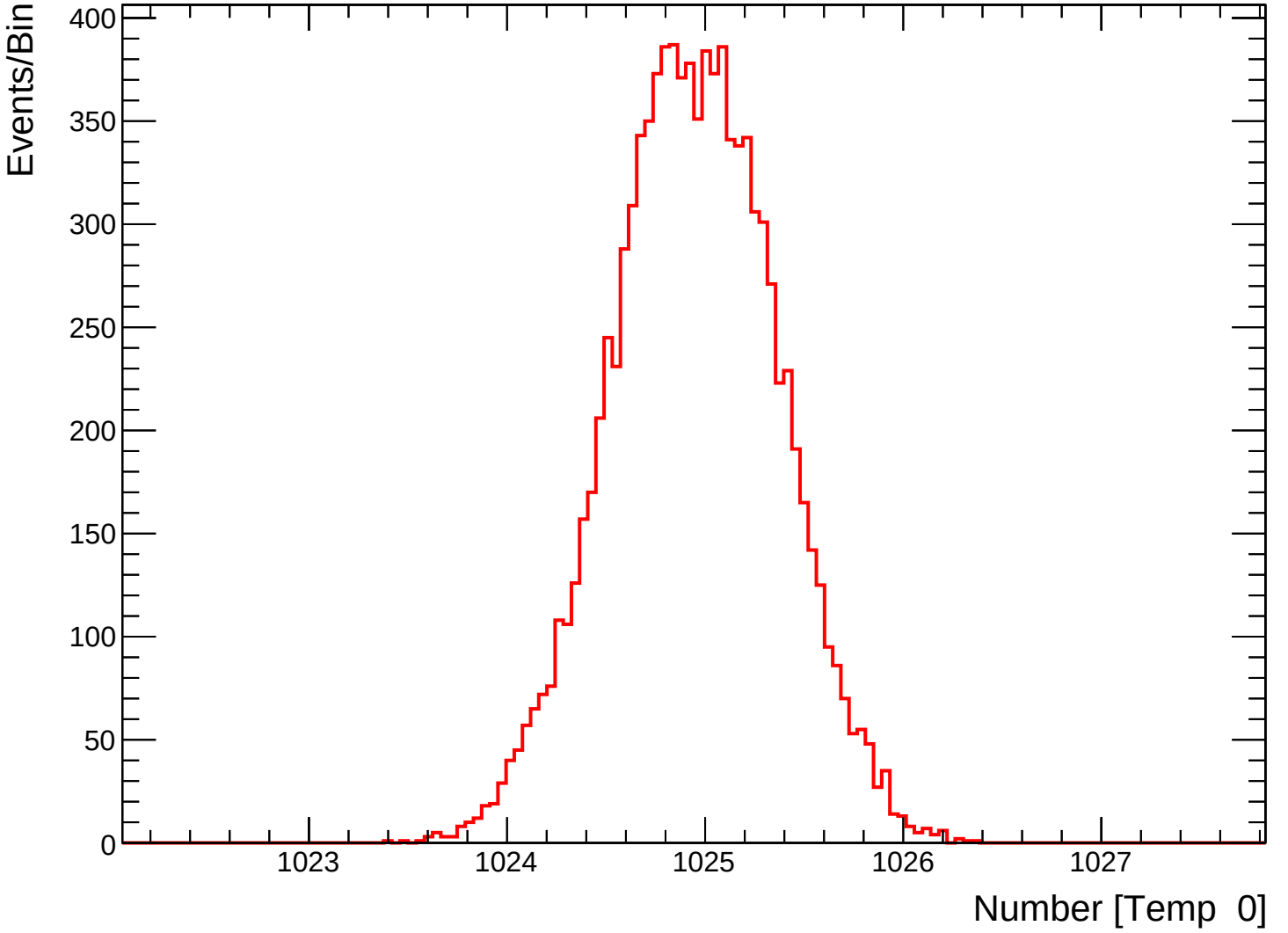

Time 44 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (804.8 ± 30.5)
e⁻+π⁻ (17.9 ± 11.7)
χ² 0.85
Events/Bin
Mass²/Z² [(GV/c²)²]
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

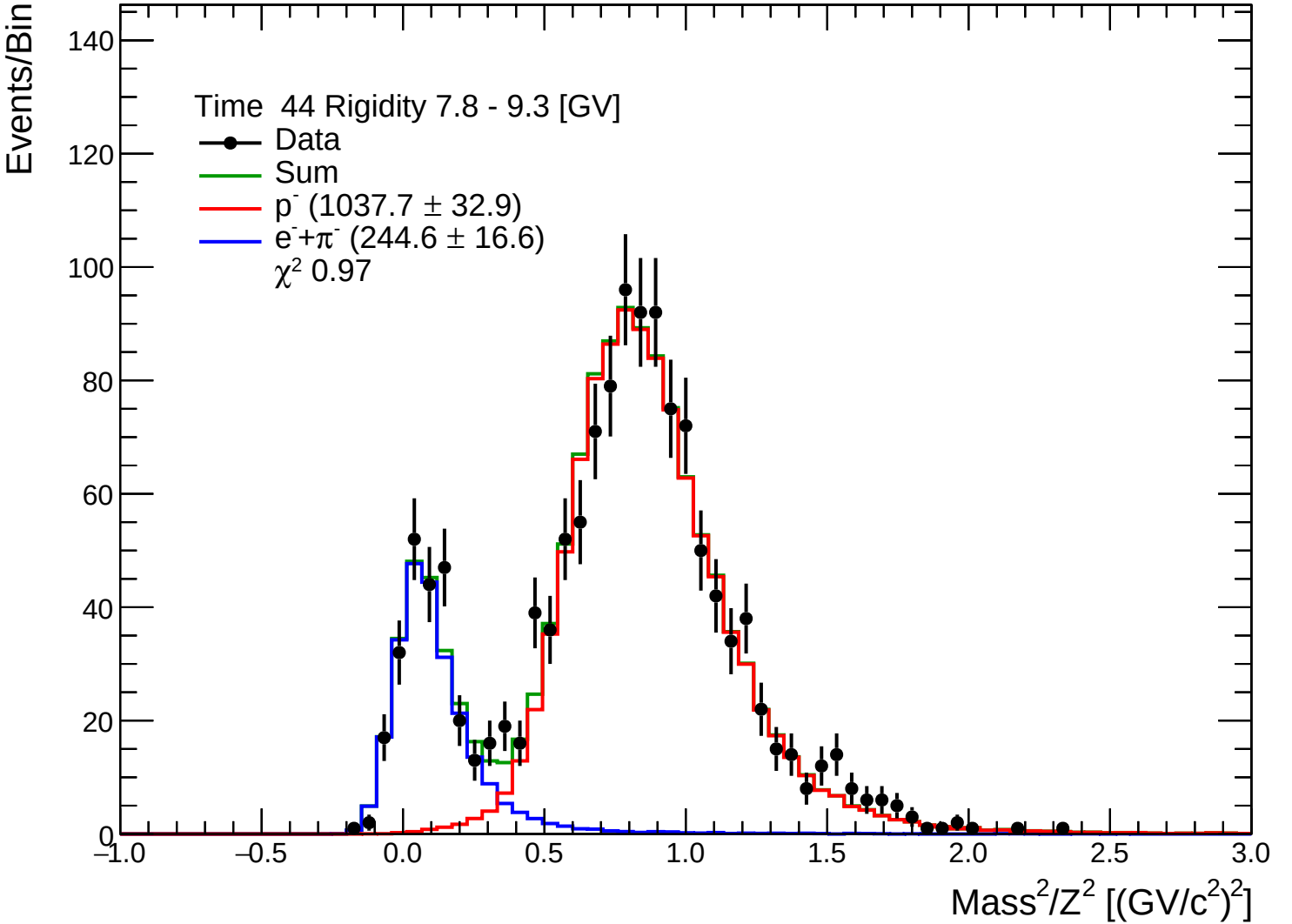

Events/Bin
400
350
300
250
200
150
100
50
0
790
795
800
805
810
815
820
Number [Temp 0]

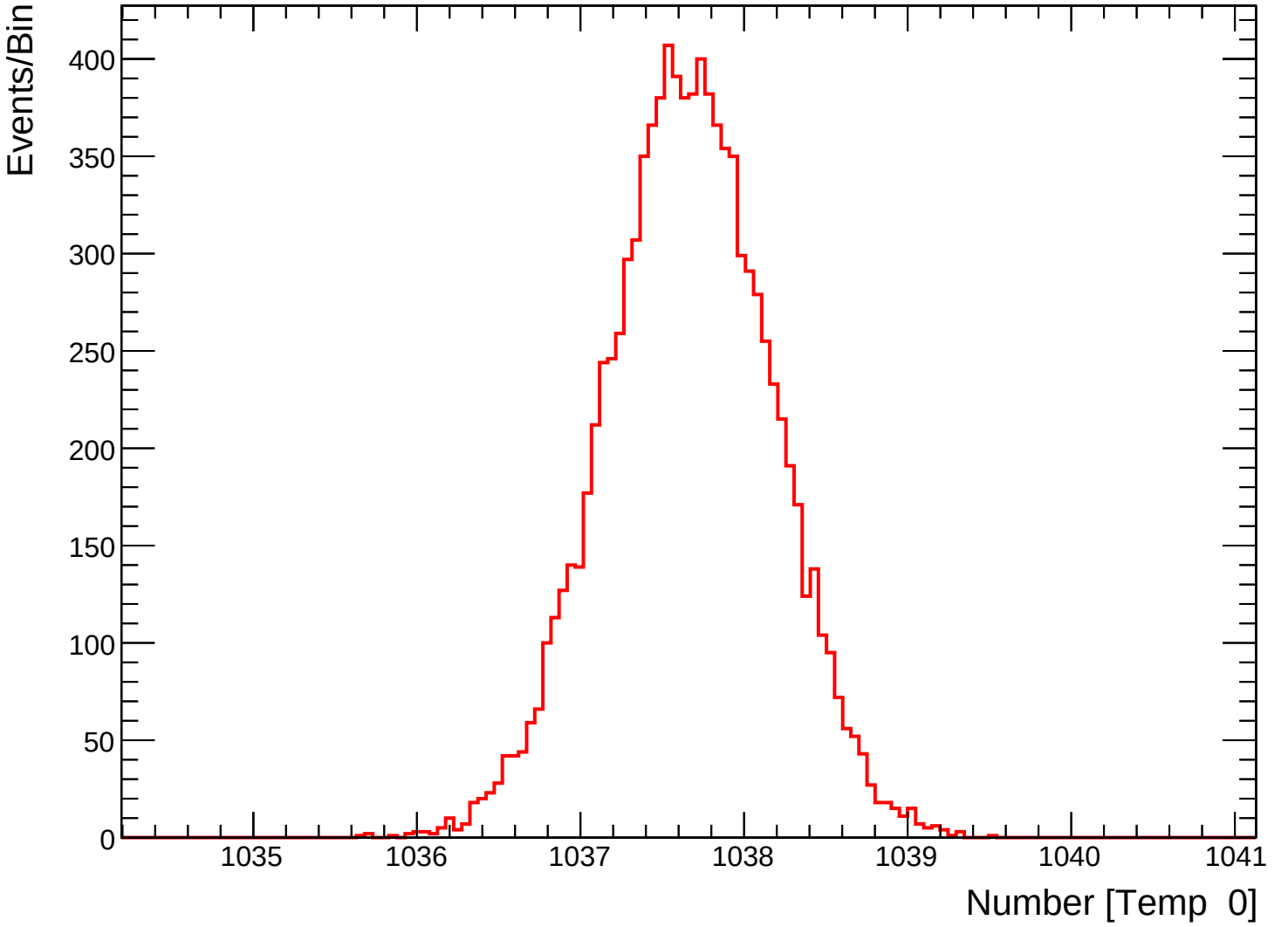

Time 44 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (983.4 ± 32.6)
e⁻+π⁻ (0.6 ± 8.4)
χ² 1.18
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

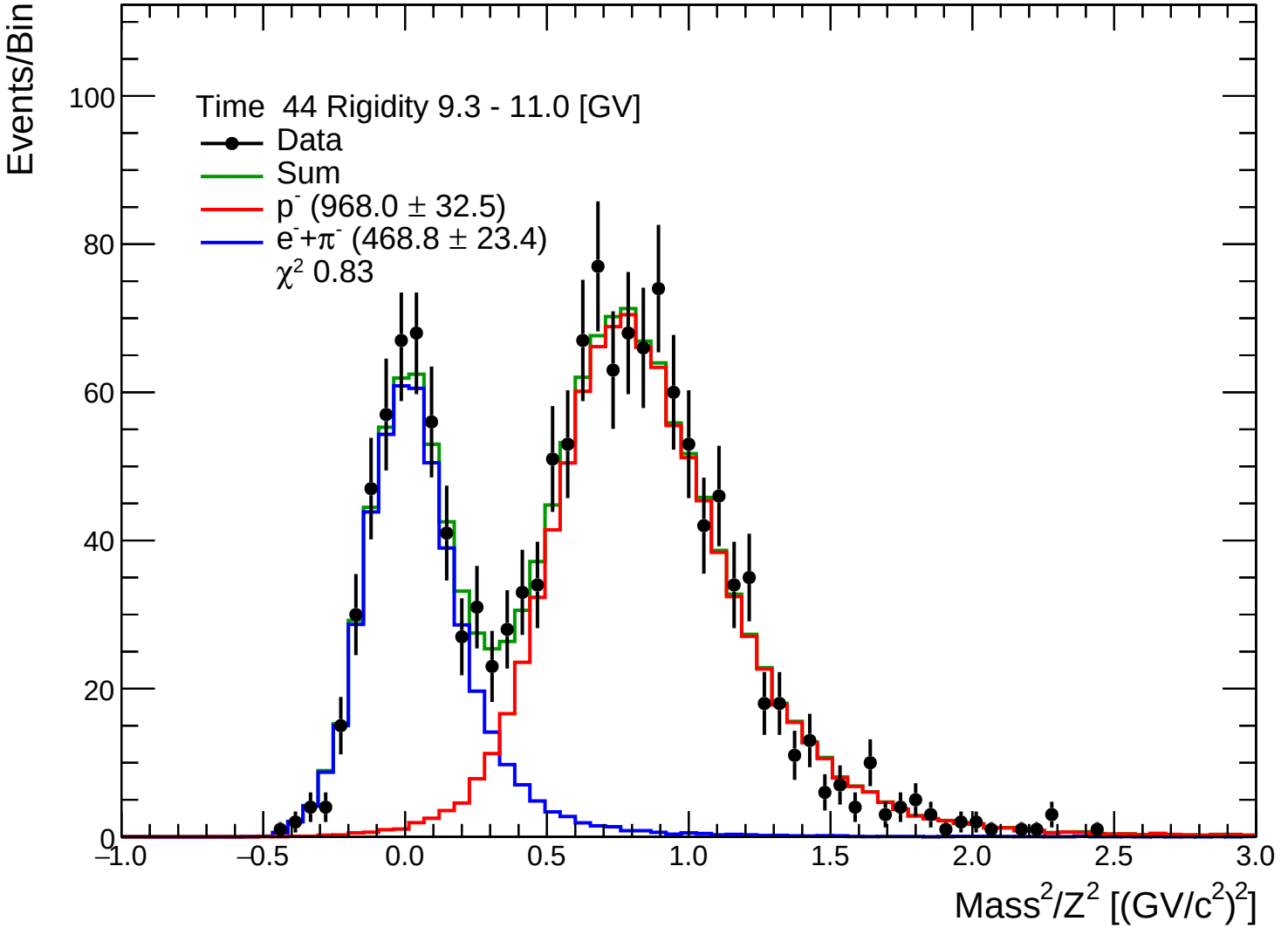

Events/Bin
400
350
300
250
200
150
100
50
0
975
980
985
990
995
Number [Temp 0]

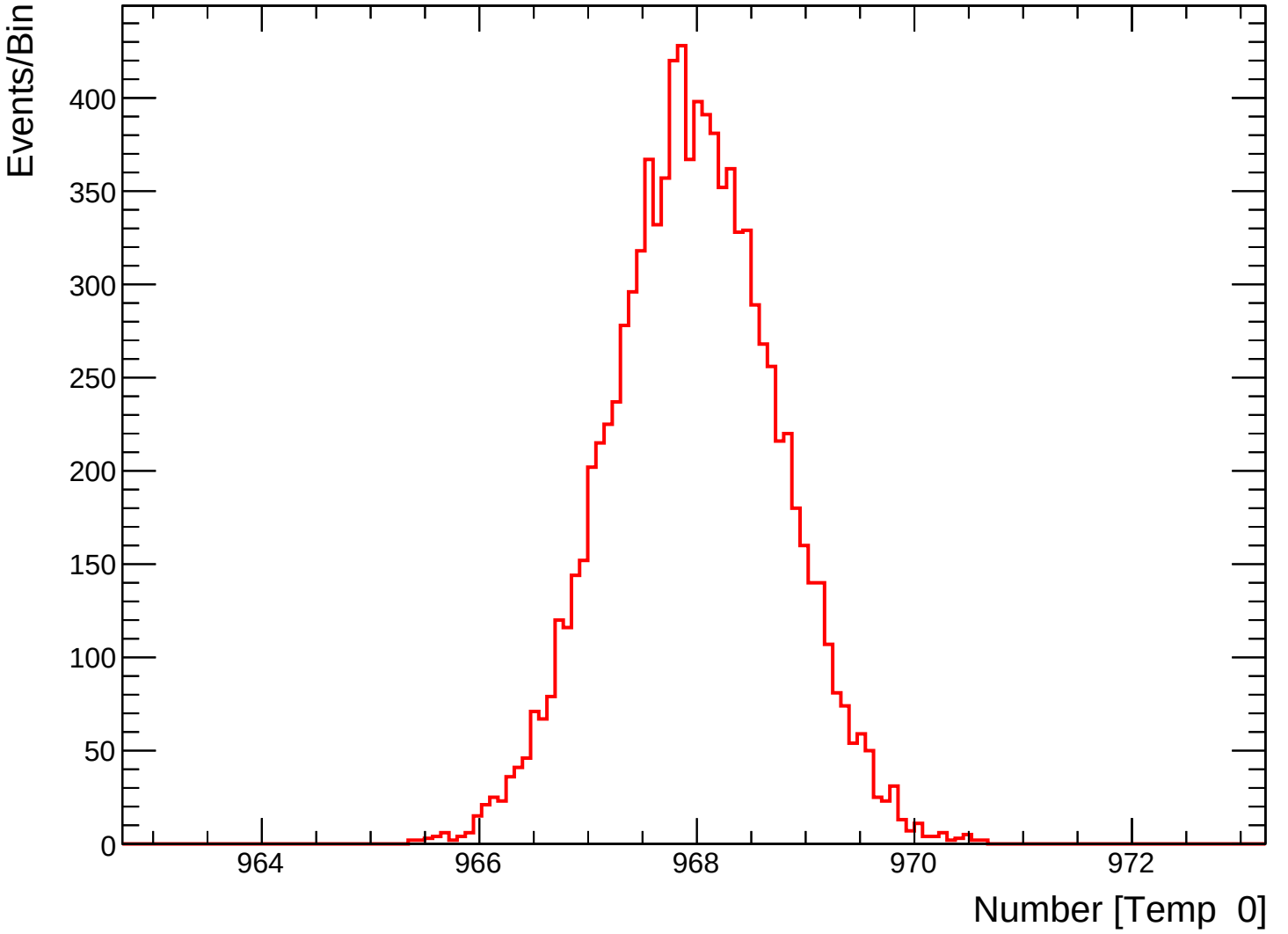

Time 44 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1024.9 ± 32.5)
e⁻+π⁻ (28.6 ± 6.9)
χ² 1.34
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

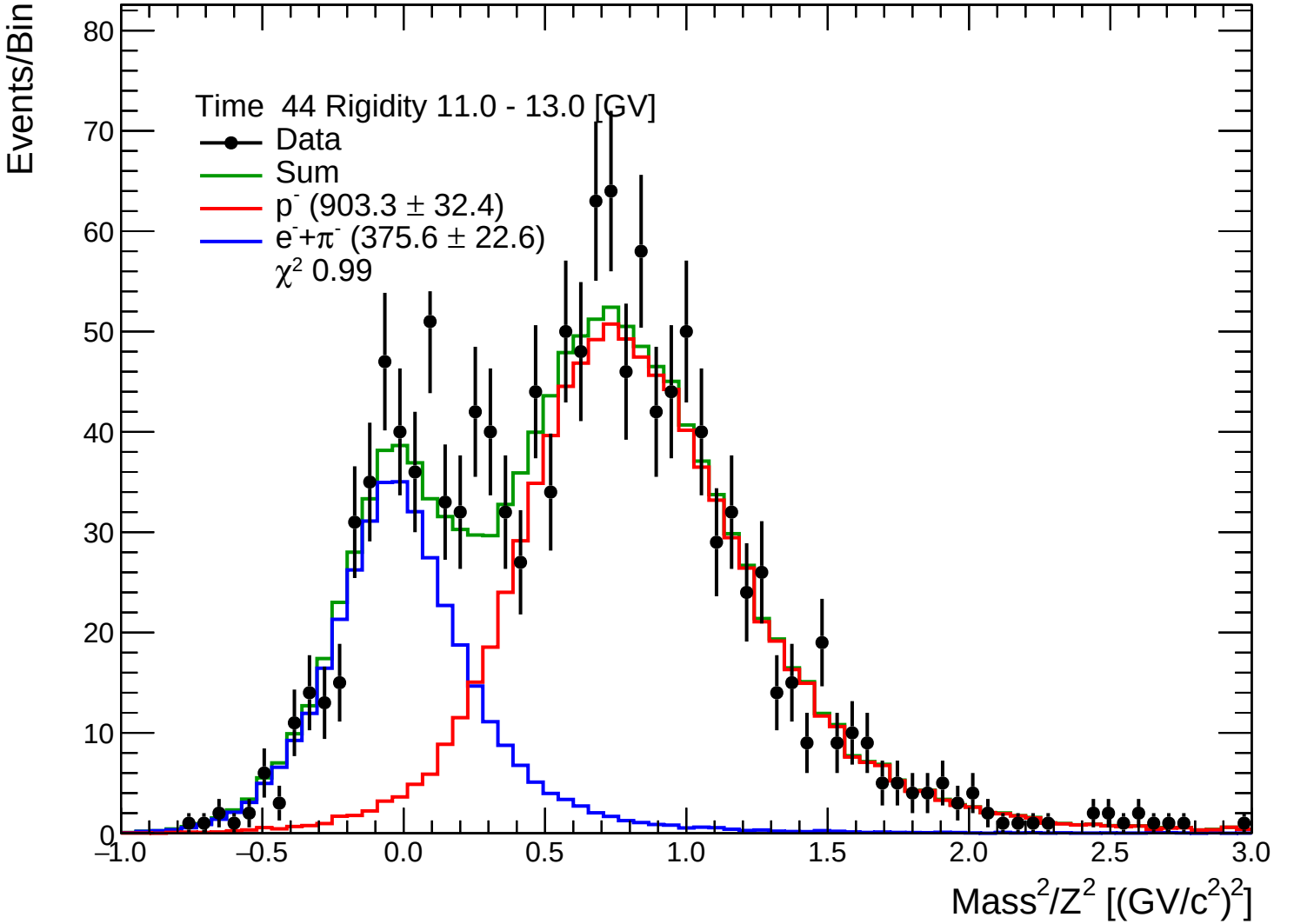

Events/Bin
400
350
300
250
200
150
100
50
0
1023
1024
1025
1026
1027
Number [Temp 0]

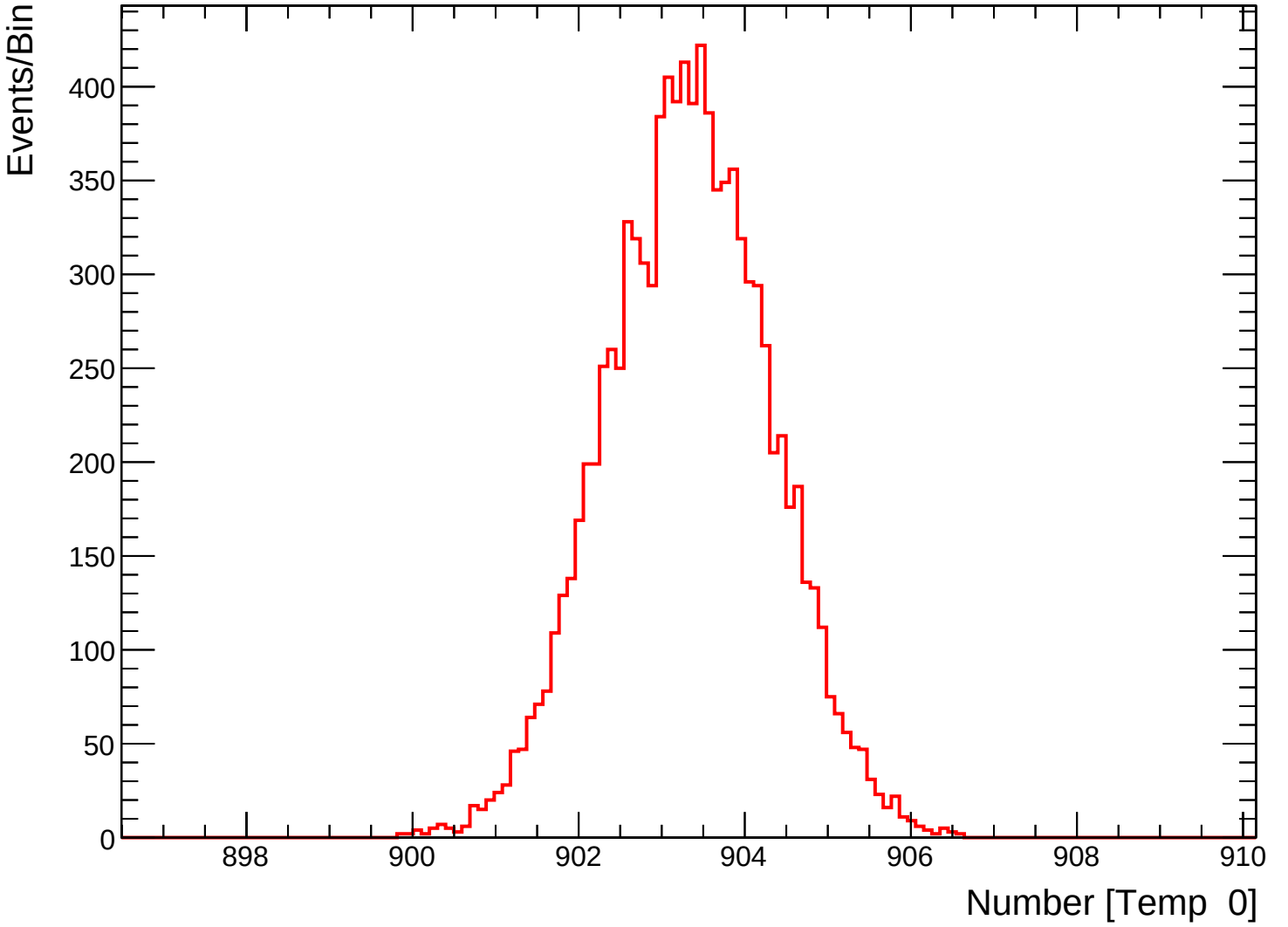

Time 44 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1037.7 ± 32.9)
e⁻+π⁻ (244.6 ± 16.6)
χ² 0.97
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

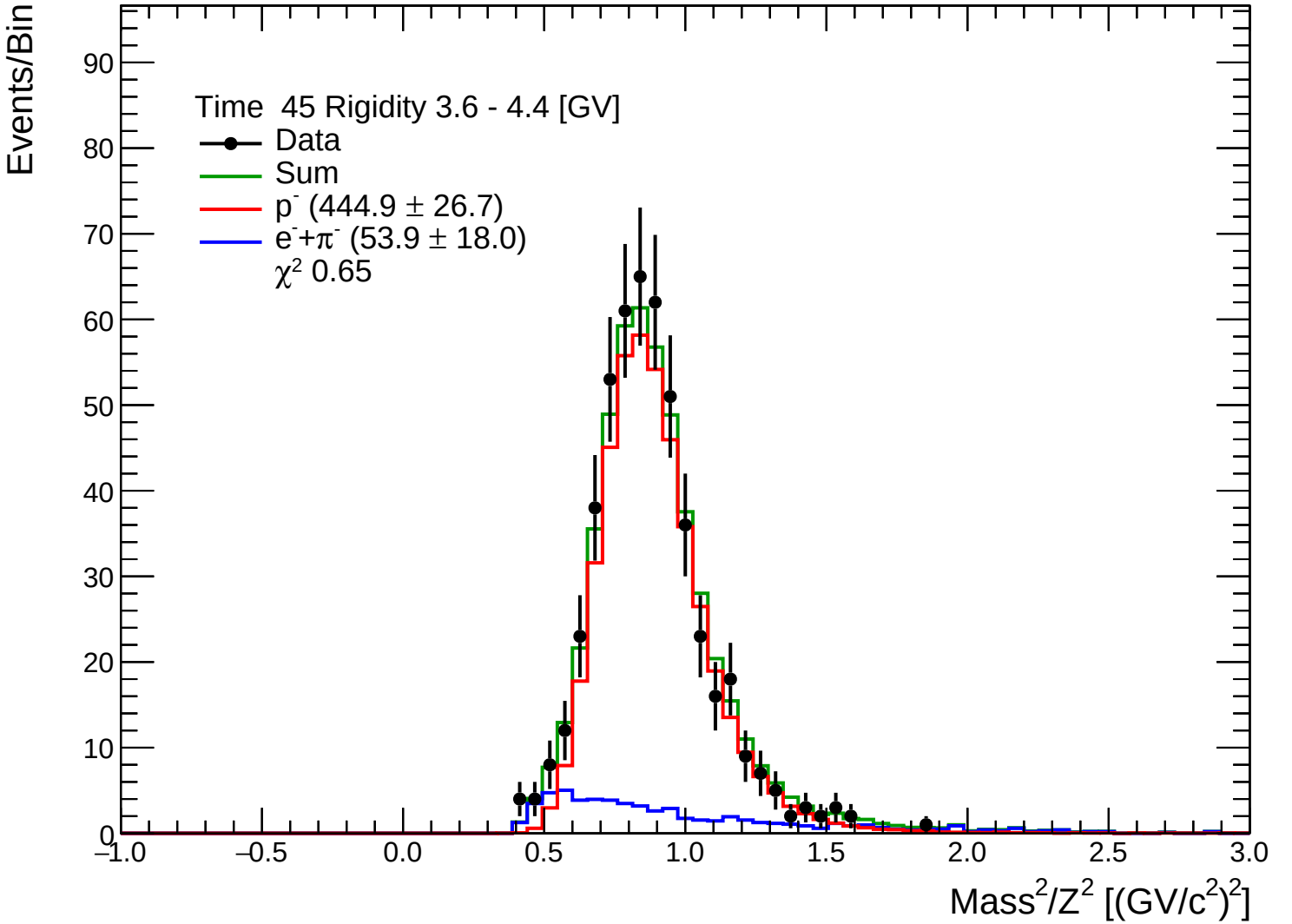

Events/Bin
400
350
300
250
200
150
100
50
0
1035
1036
1037
1038
1039
1040
1041
Number [Temp 0]

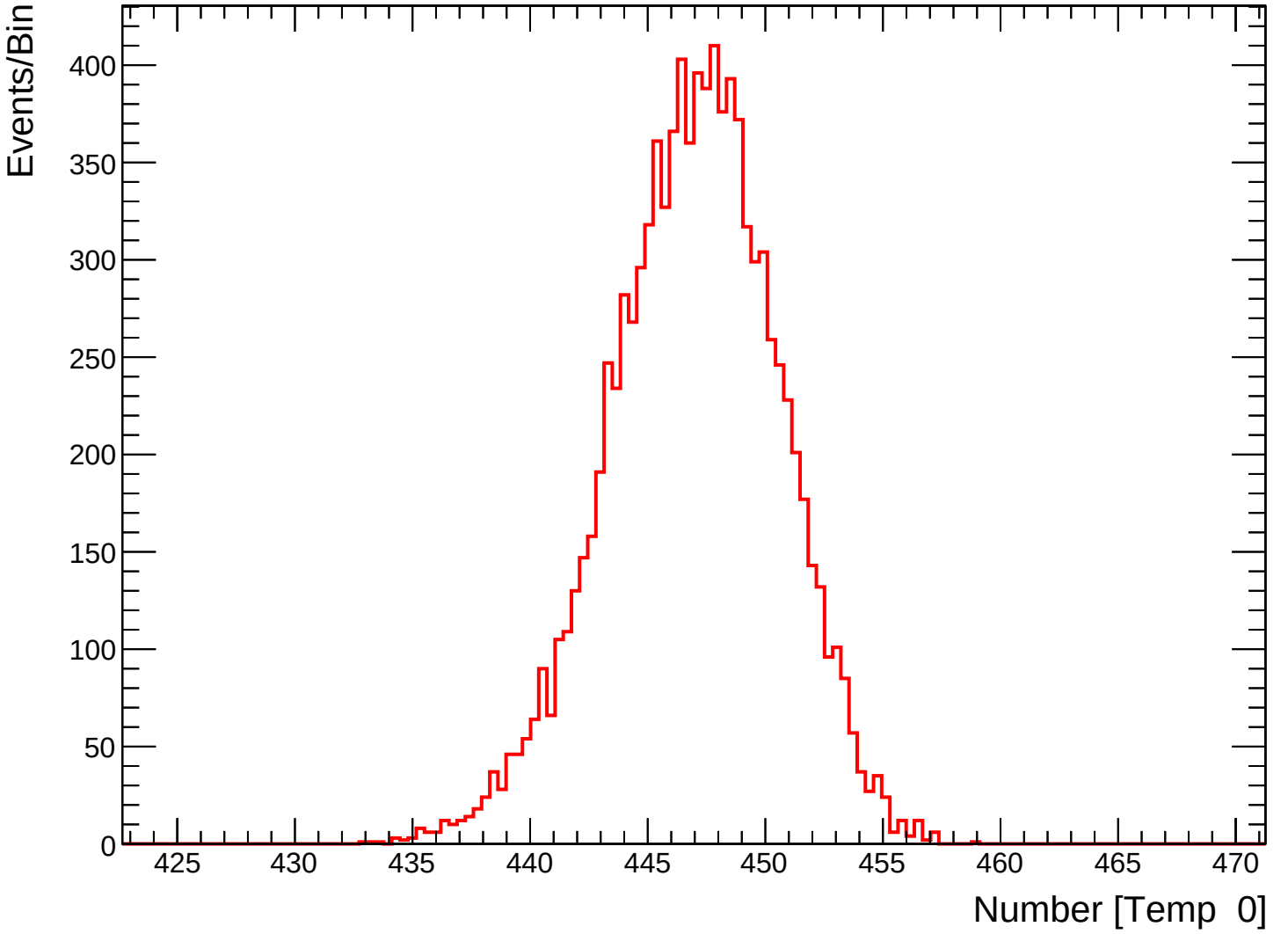

Time 44 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (968.0 ± 32.5)
e⁻+π⁻ (468.8 ± 23.4)
χ² 0.83
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

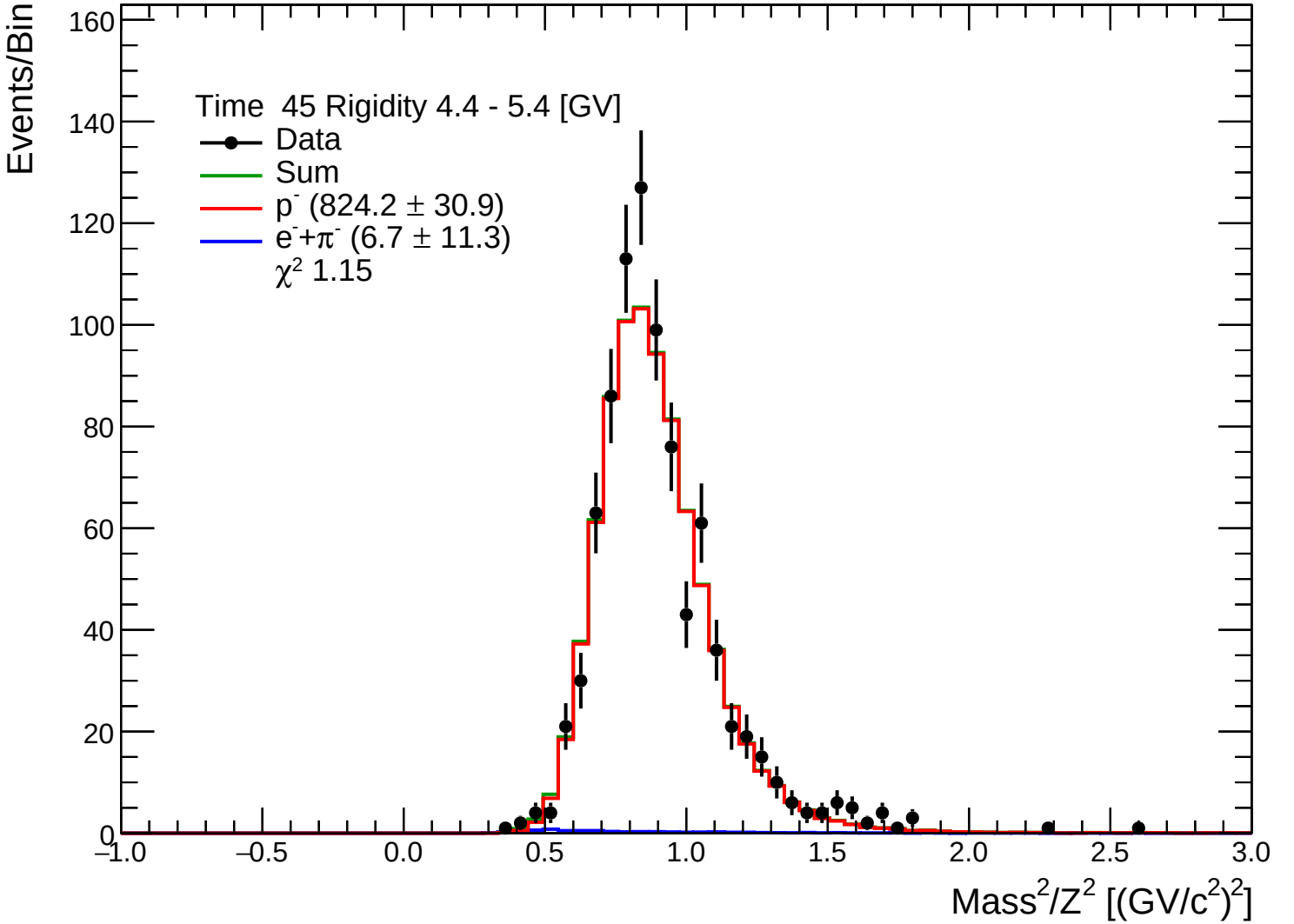

Events/Bin
400
350
300
250
200
150
100
50
0
964
966
968
970
972
Number [Temp 0]

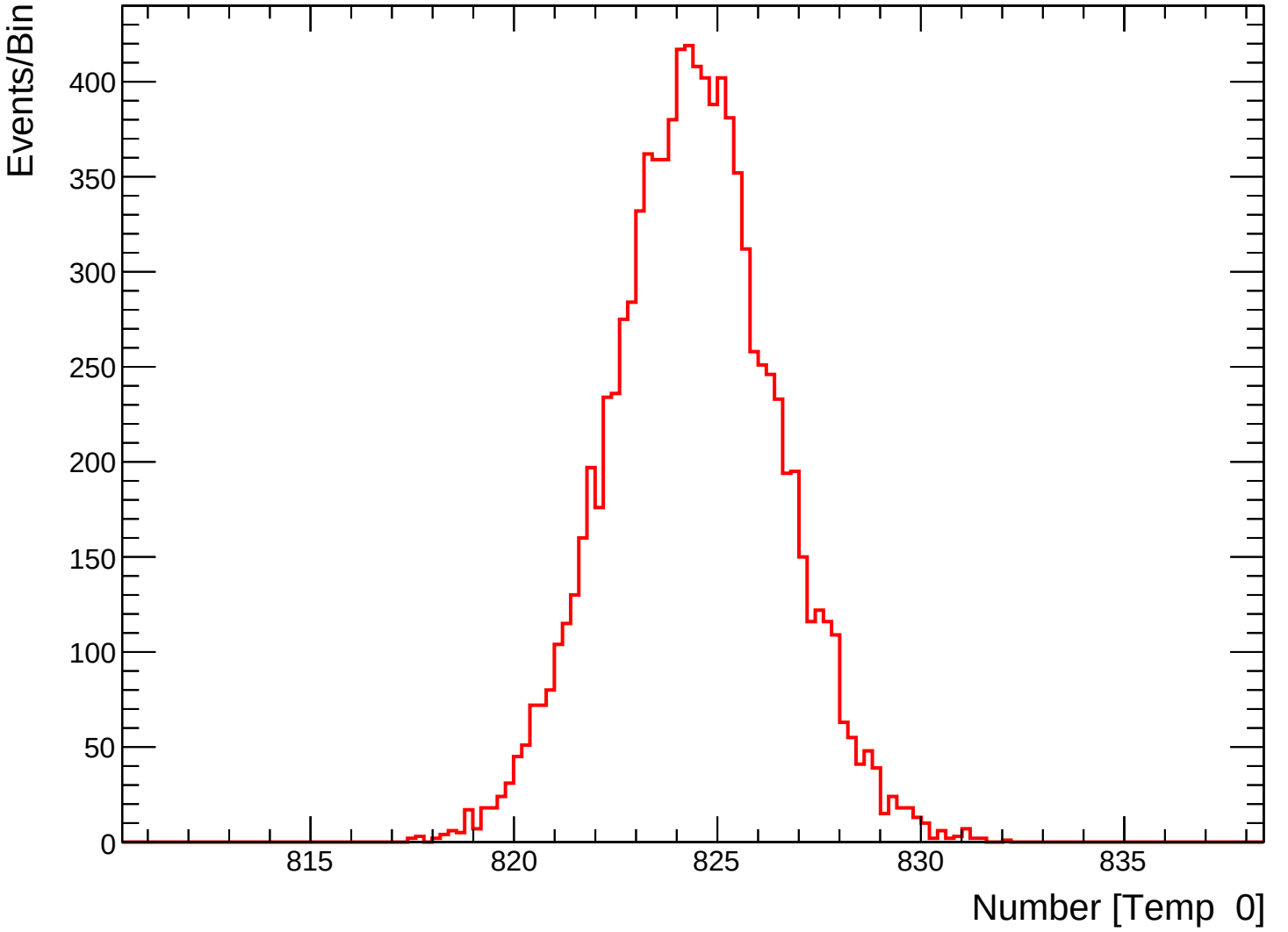

Time 44 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (903.3 ± 32.4)
e⁻+π⁻ (375.6 ± 22.6)
χ² 0.99
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

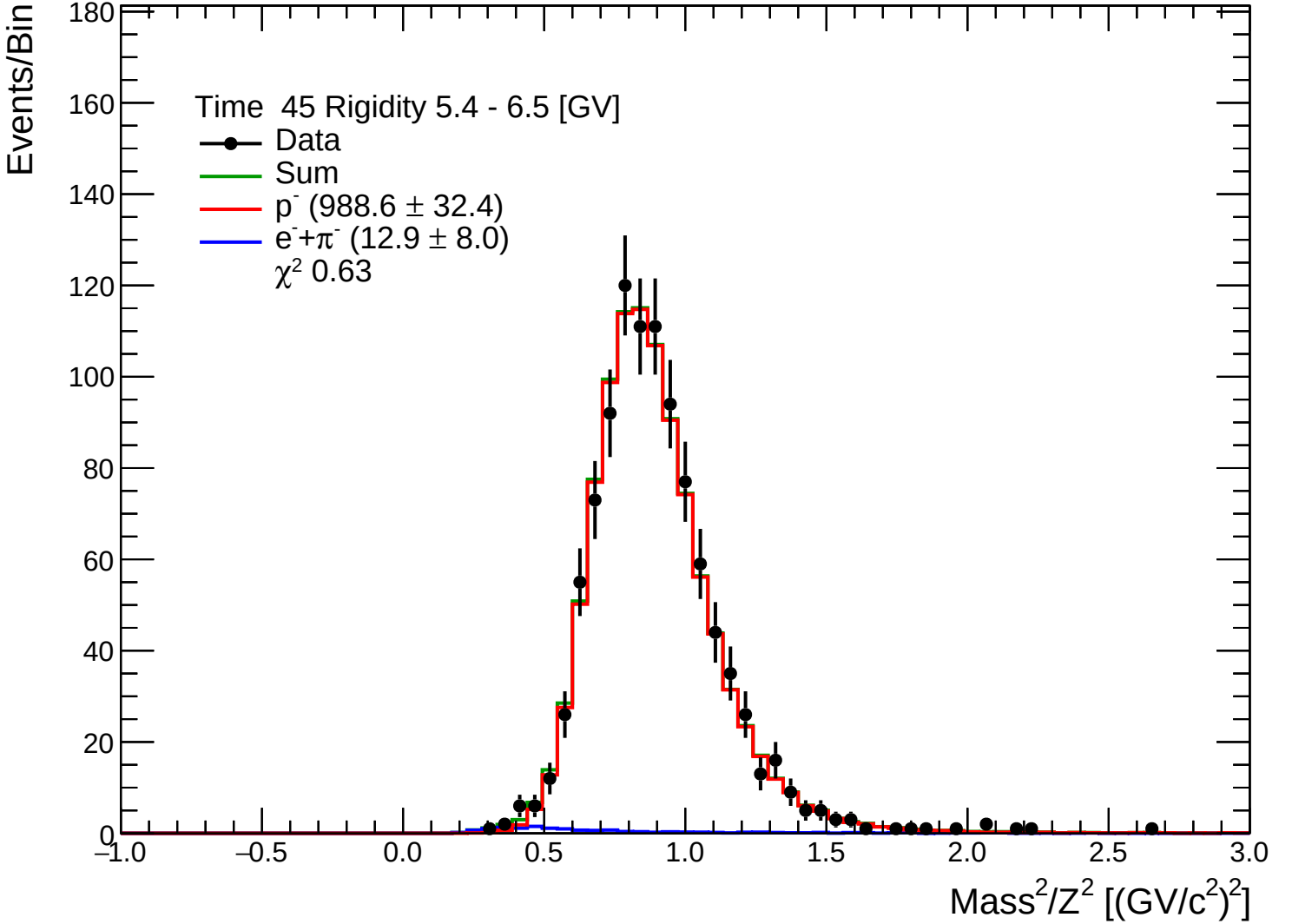

Events/Bin
400
350
300
250
200
150
100
50
0
898
900
902
904
906
908
910
Number [Temp 0]

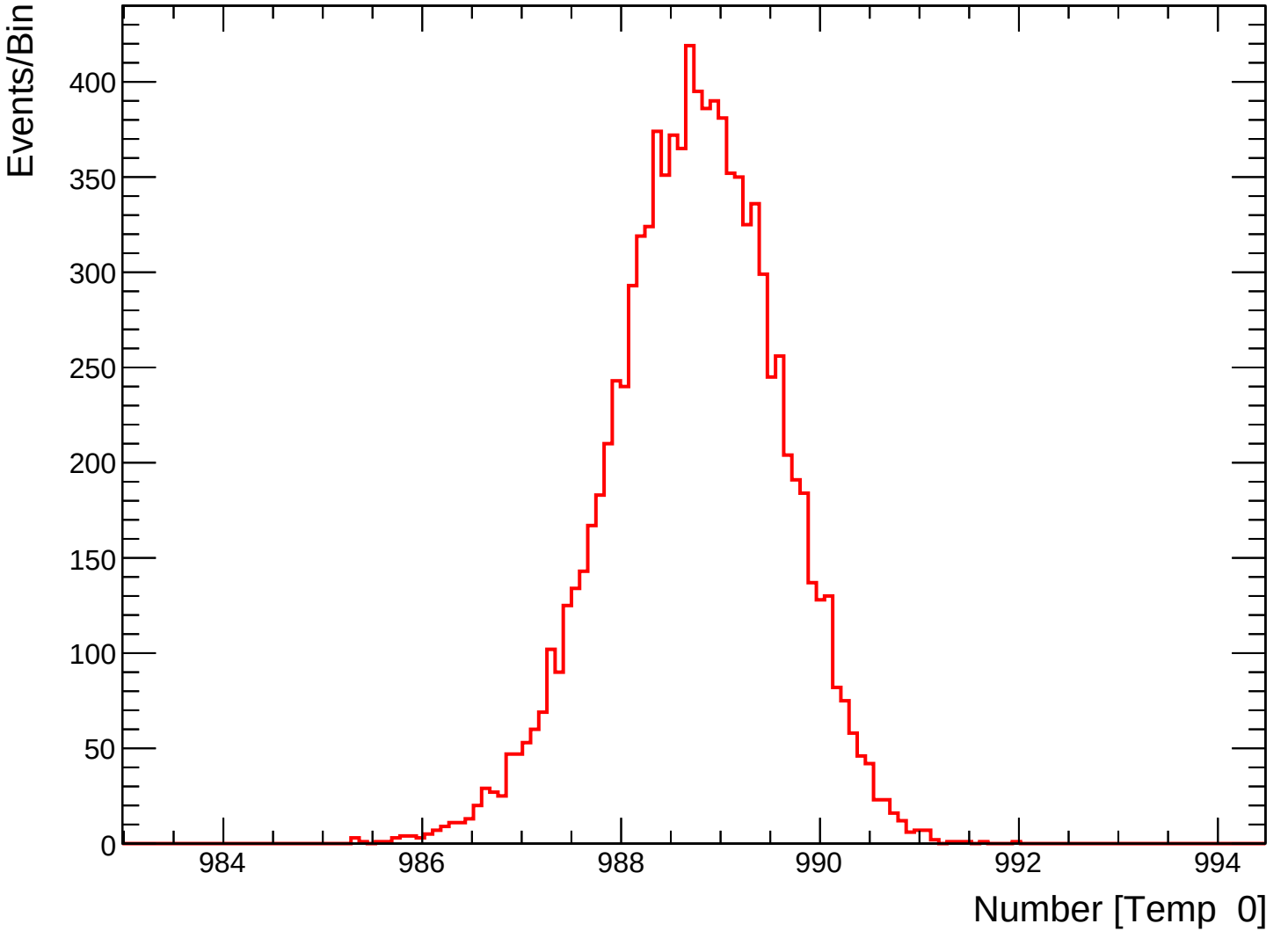

Time 45 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (444.9 ± 26.7)
e⁻+π⁻ (53.9 ± 18.0)
χ² 0.65
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

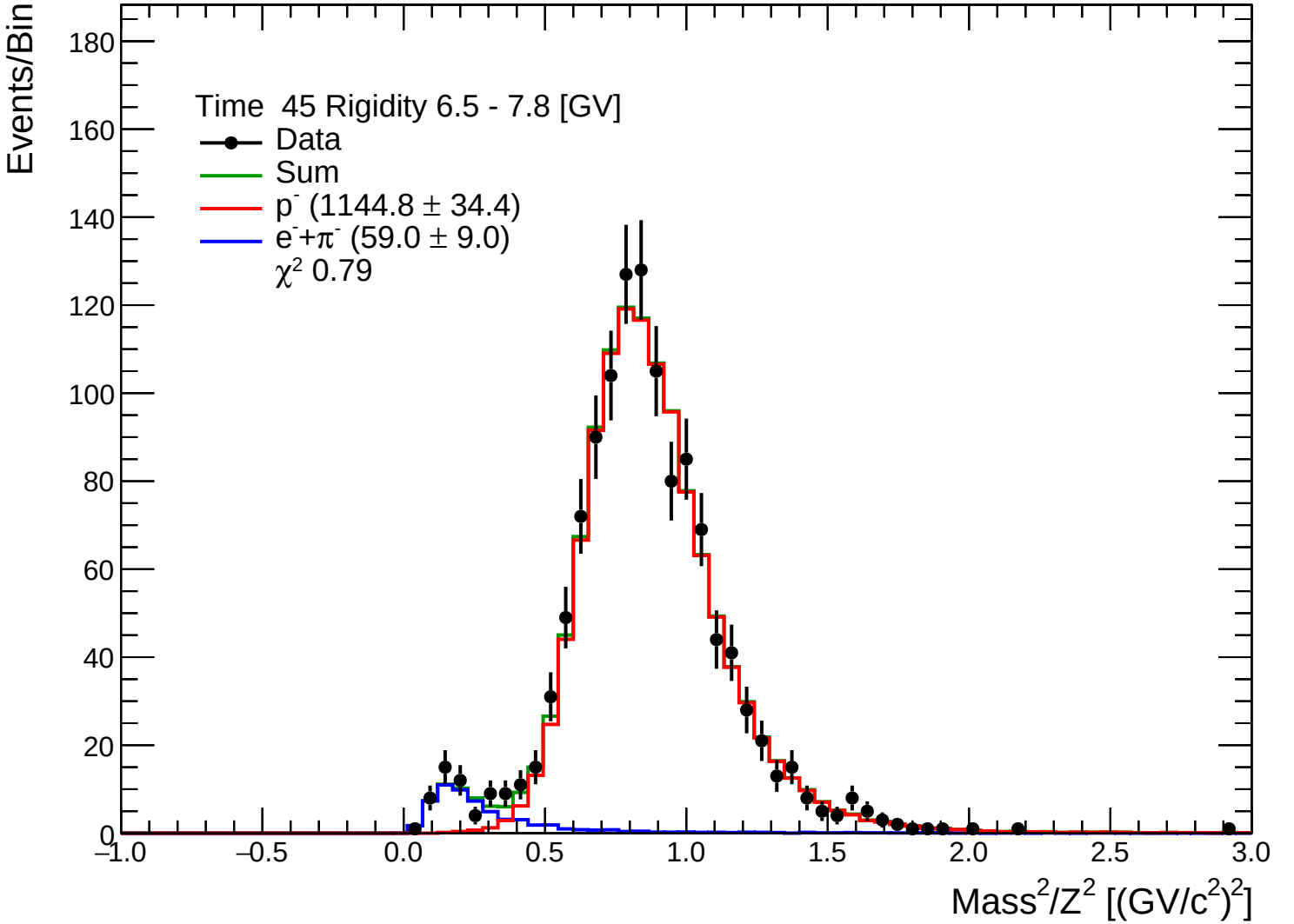

Events/Bin
400
350
300
250
200
150
100
50
0
425
430
435
440
445
450
455
460
465
470
Number [Temp 0]

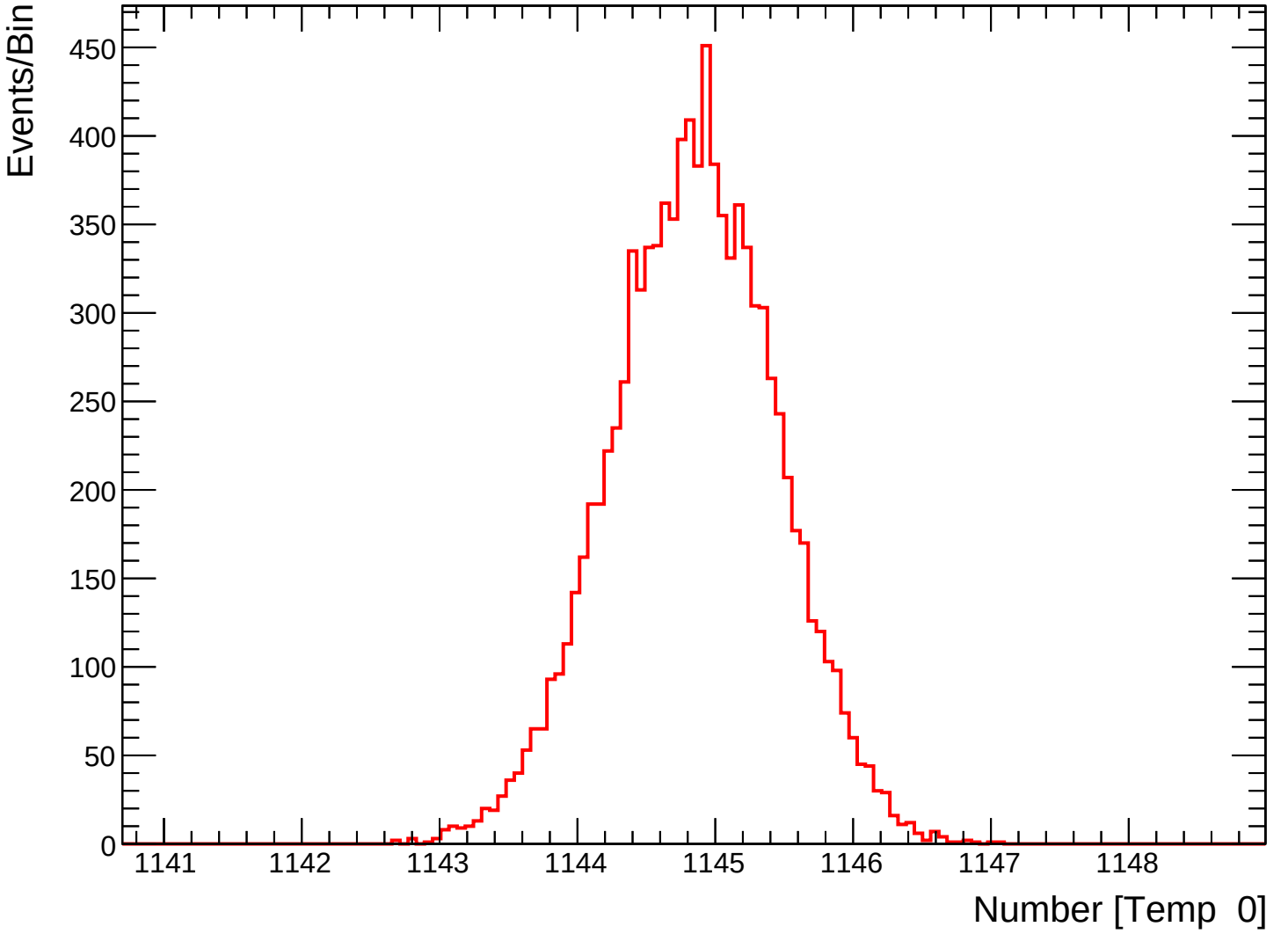

Time 45 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (824.2 ± 30.9)
e⁻+π⁻ (6.7 ± 11.3)
χ² 1.15
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

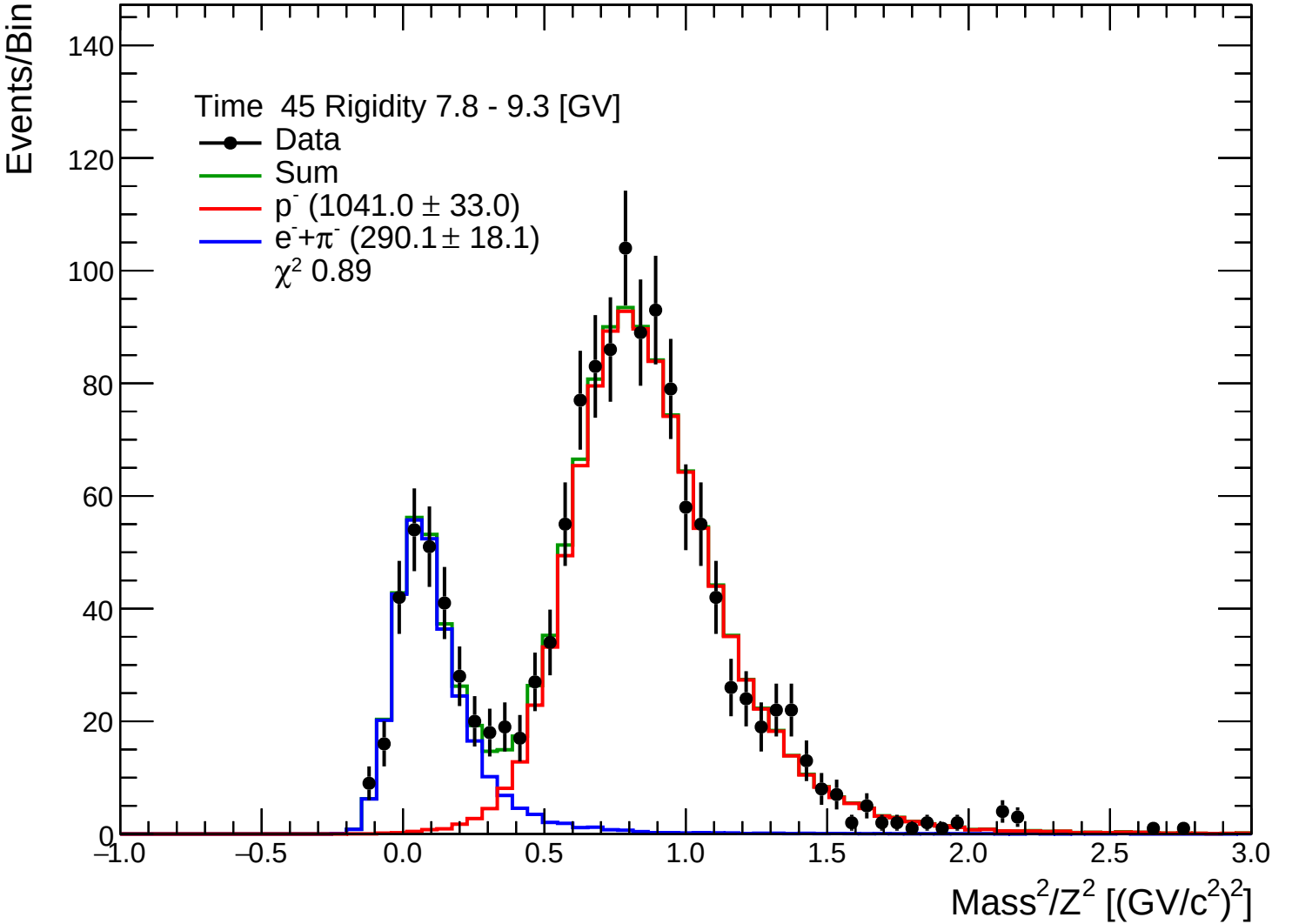

Events/Bin
400
350
300
250
200
150
100
50
0
815
820
825
830
835
Number [Temp 0]

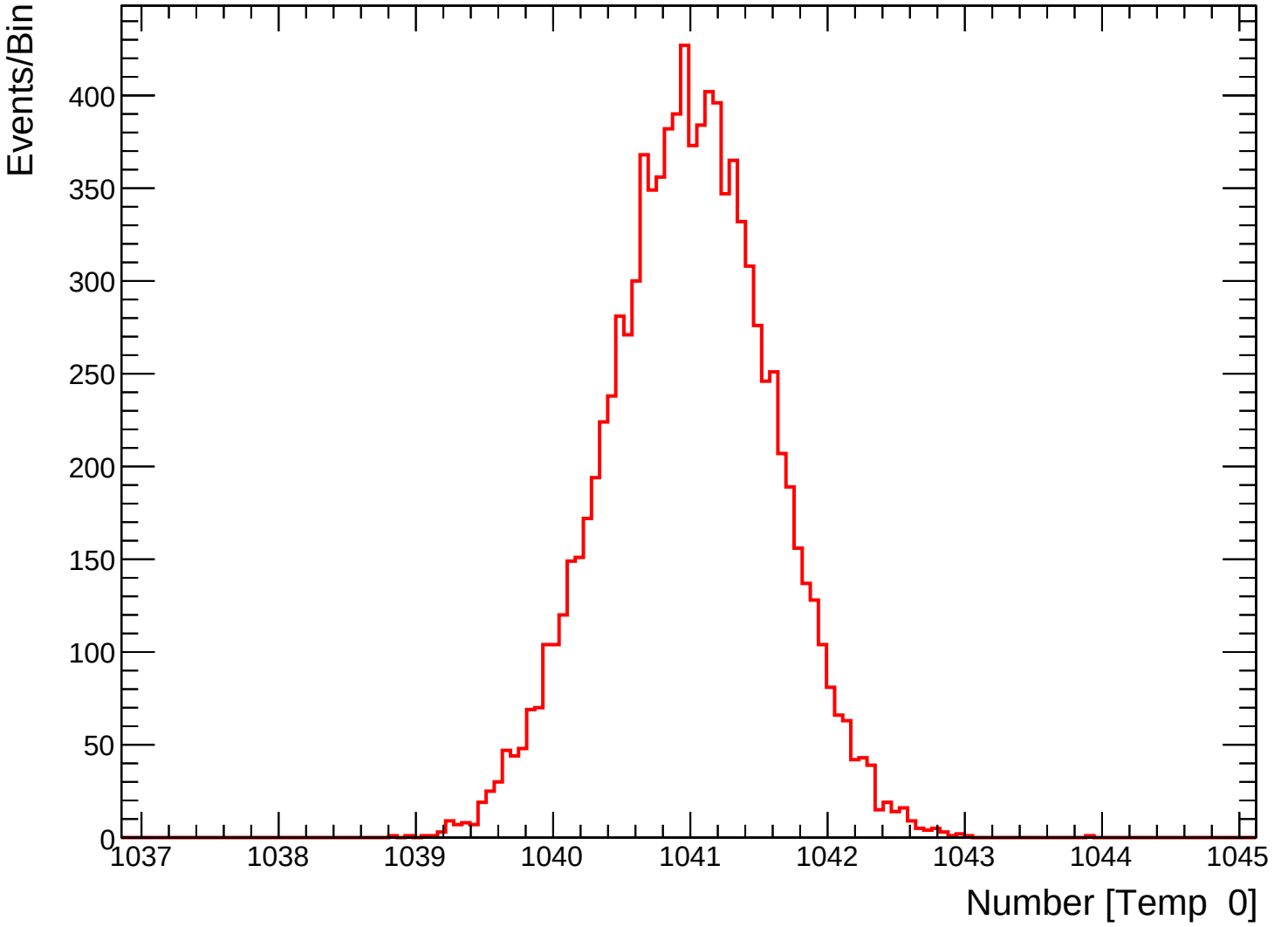

Time 45 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (988.6 ± 32.4)
e⁻+π⁻ (12.9 ± 8.0)
χ² 0.63
Events/Bin
Mass²/Z² [(GV/c²)²]
180
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

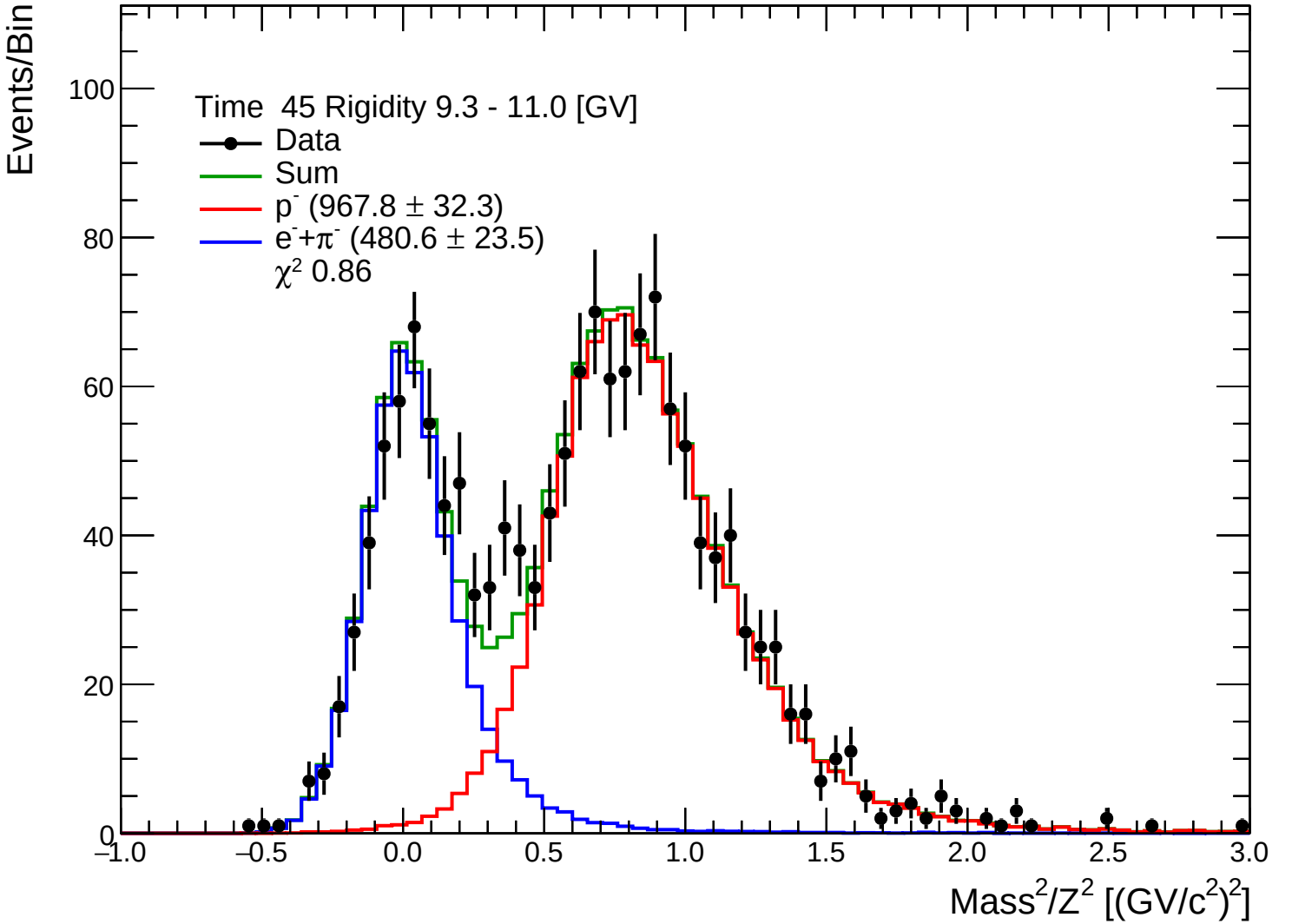

Events/Bin
400
350
300
250
200
150
100
50
0
984
986
988
990
992
994
Number [Temp 0]

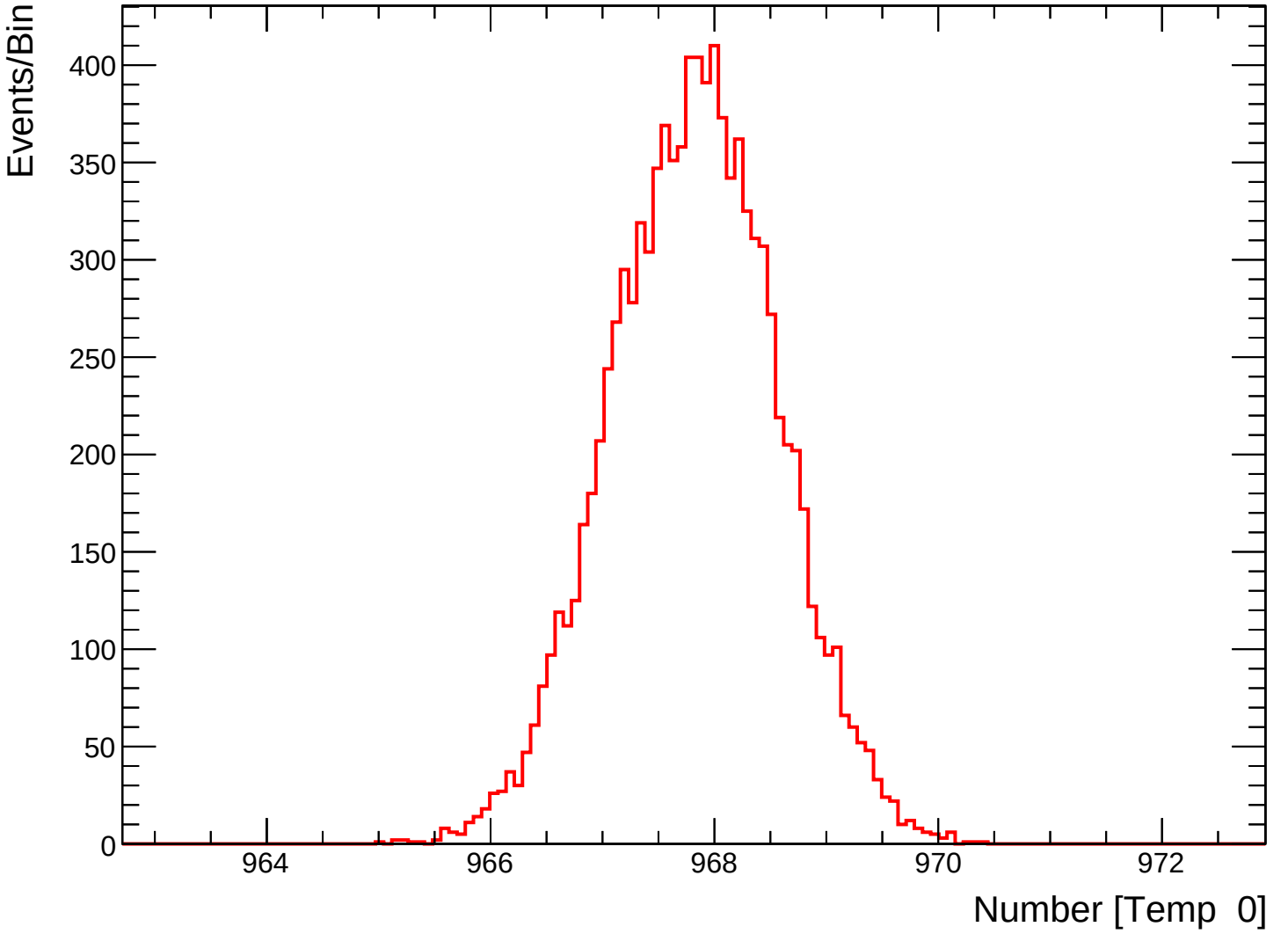

Time 45 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1144.8 ± 34.4)
e⁻+π⁻ (59.0 ± 9.0)
χ² 0.79
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

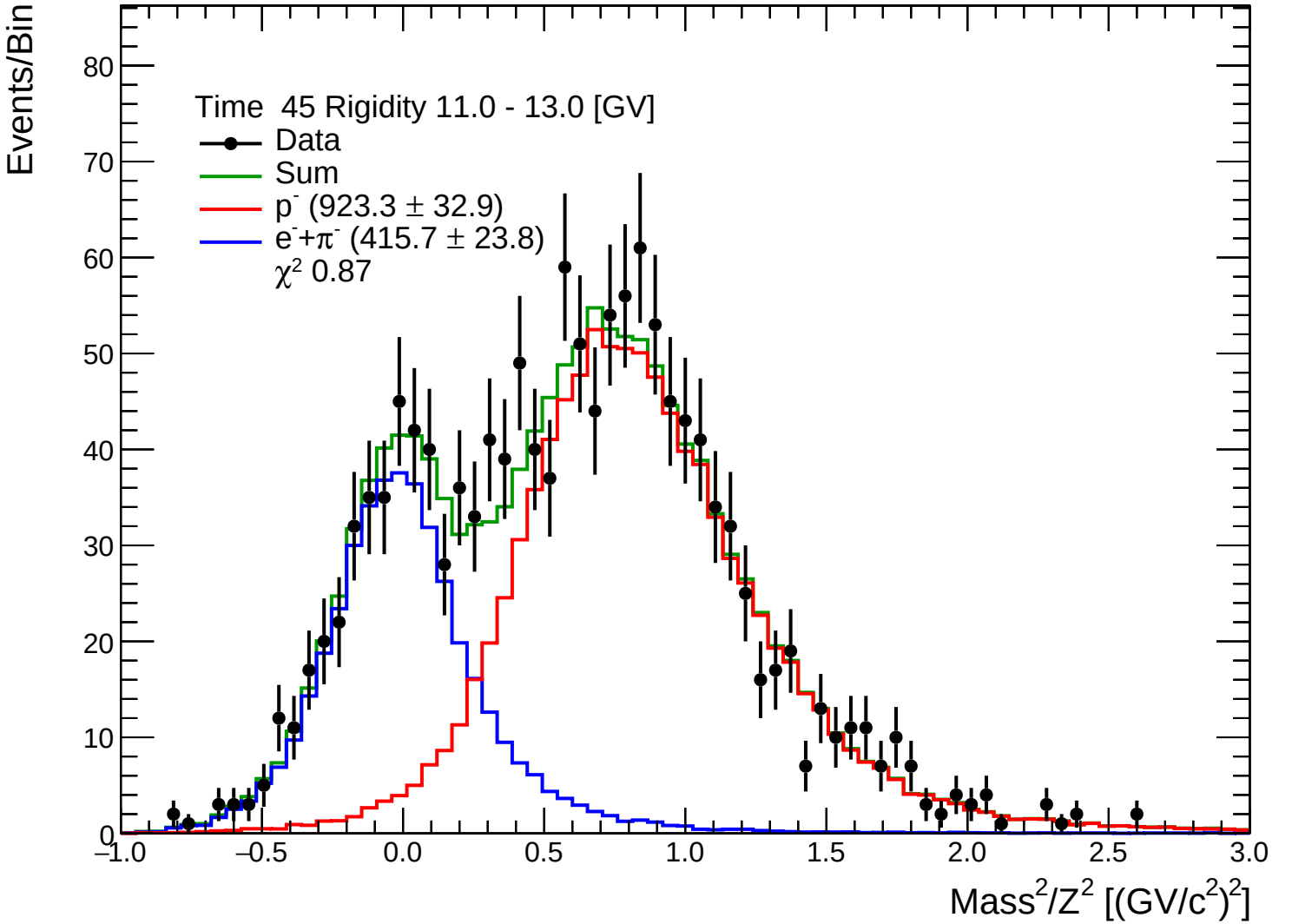

Events/Bin
450
400
350
300
250
200
150
100
50
0
1141
1142
1143
1144
1145
1146
1147
1148
Number [Temp 0]

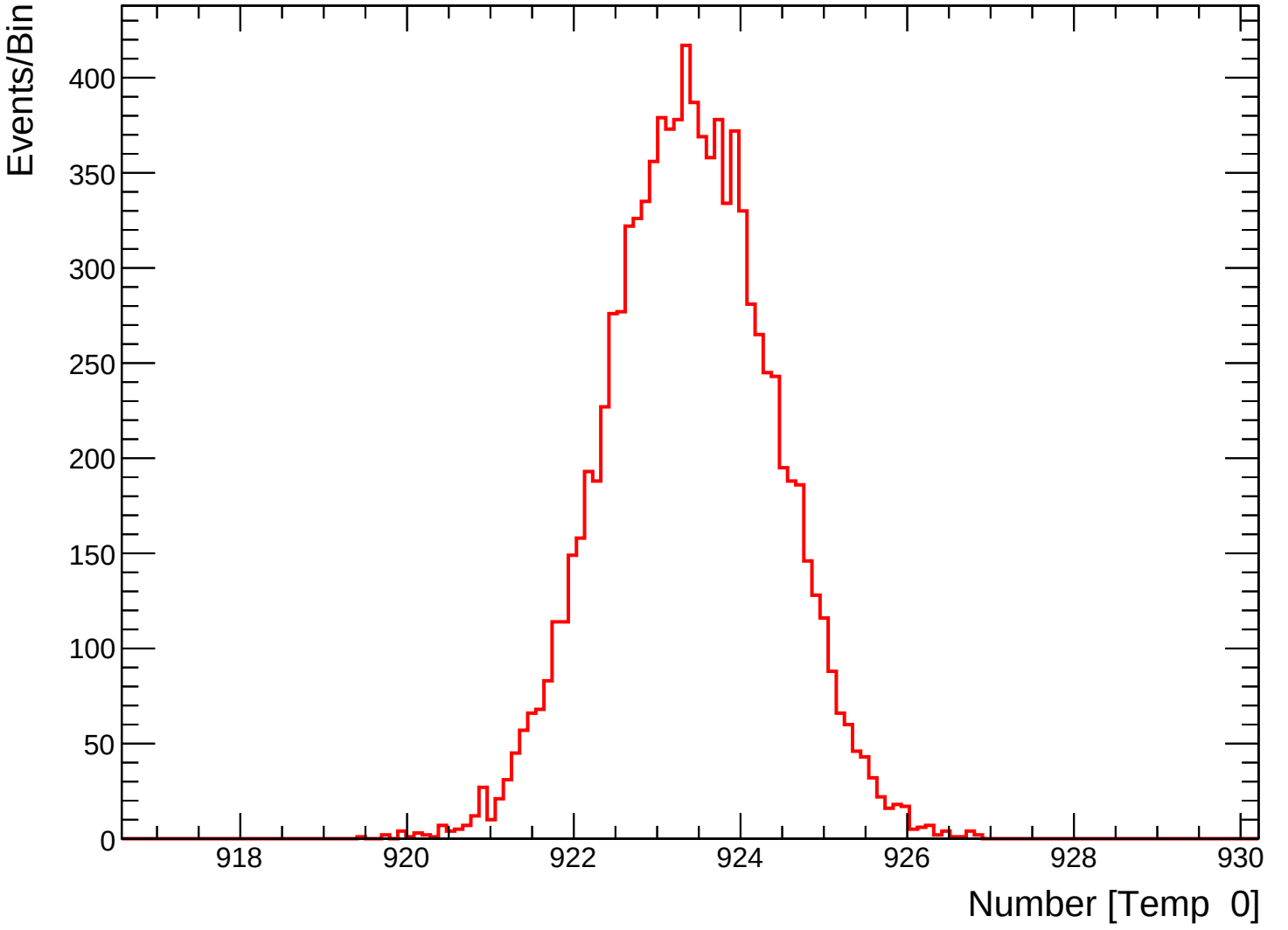

Time 45 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1041.0 ± 33.0)
e⁻+π⁻ (290.1 ± 18.1)
χ² 0.89
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

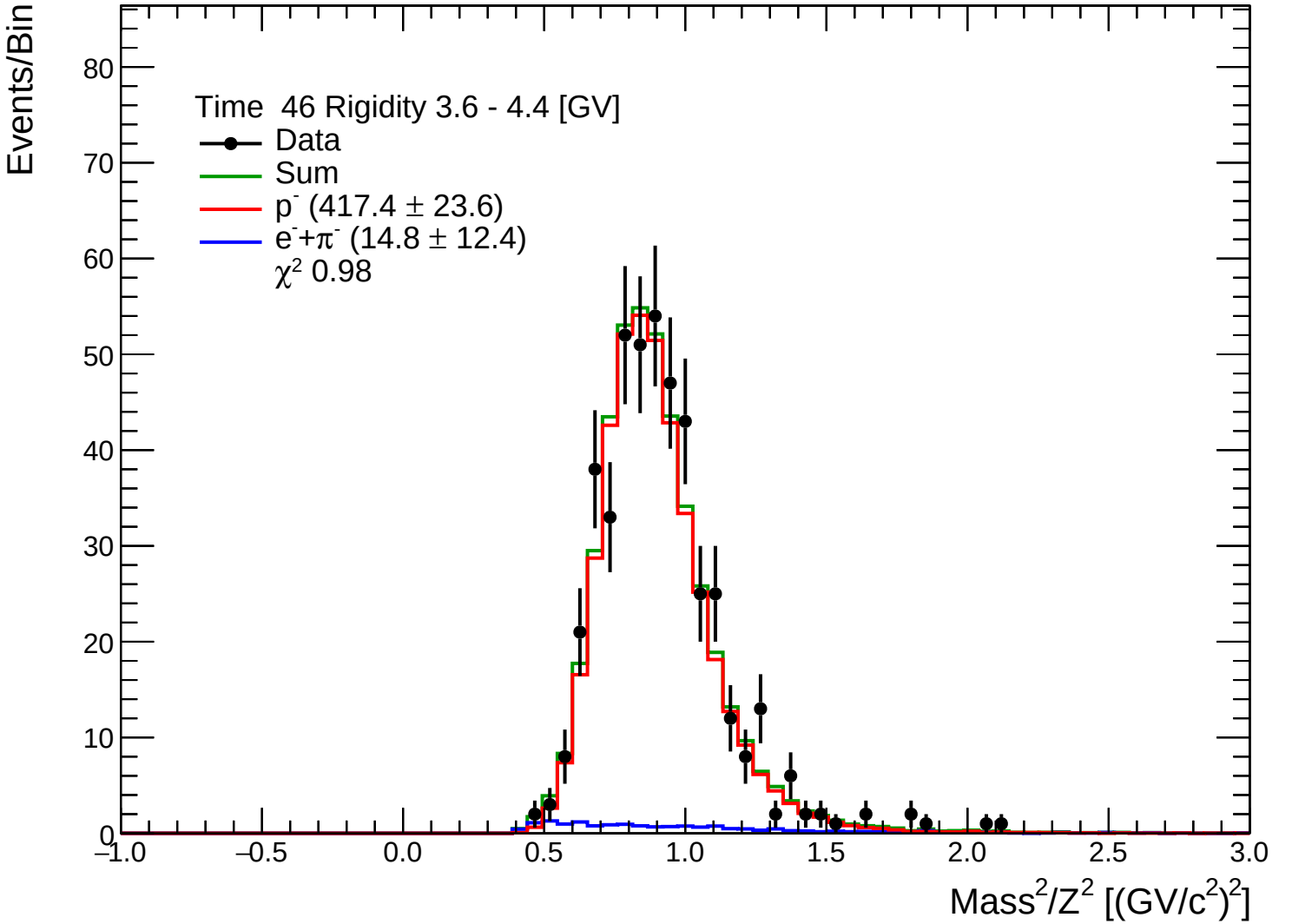

Events/Bin
0
50
100
150
200
250
300
350
400
1037
1038
1039
1040
1041
1042
1043
1044
1045
Number [Temp 0]

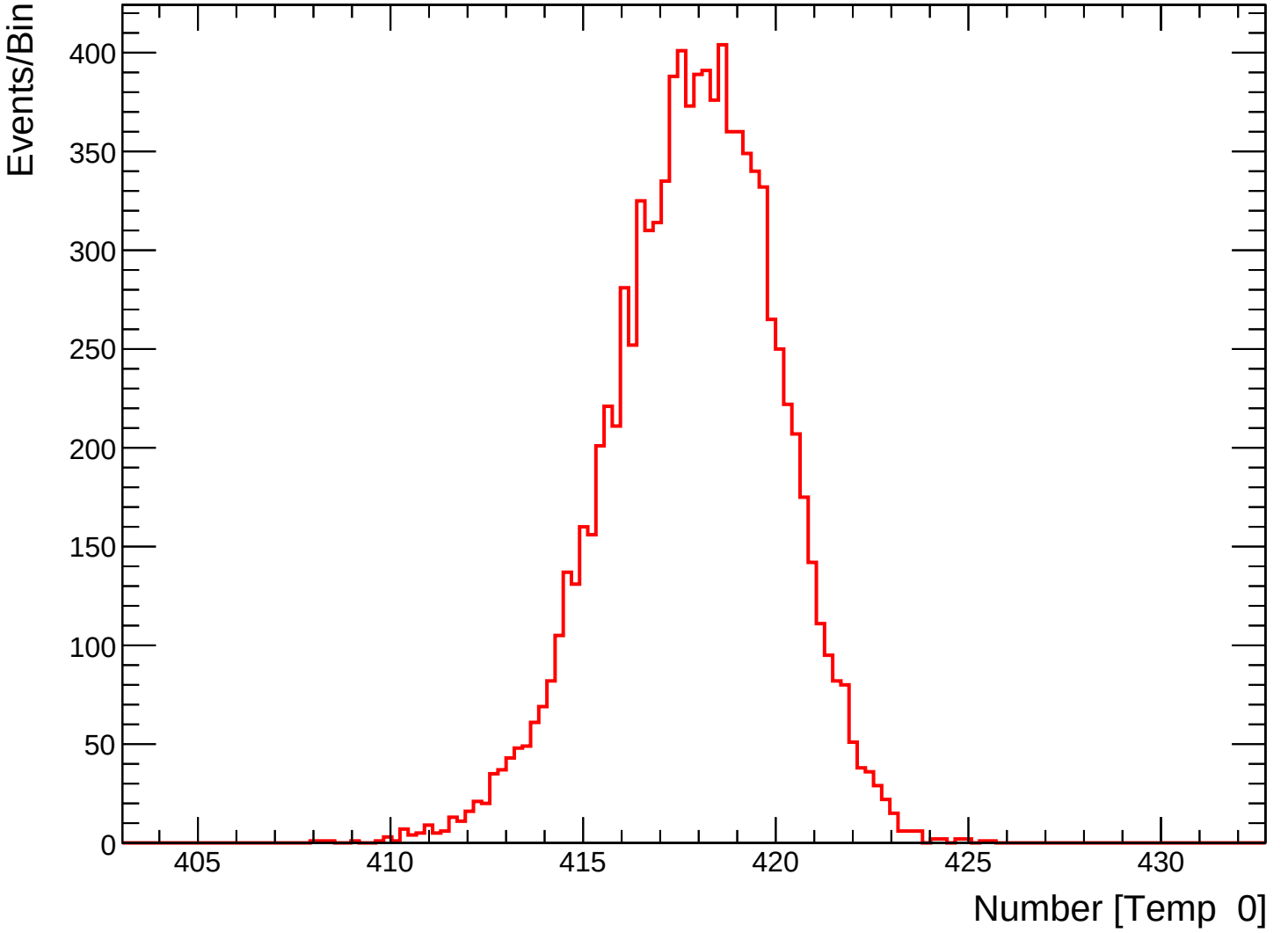

Events/Bin
Time 45 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (967.8 ± 32.3)
e⁻+π⁻ (480.6 ± 23.5)
χ² 0.86
Mass²/Z² [(GV/c²)²]

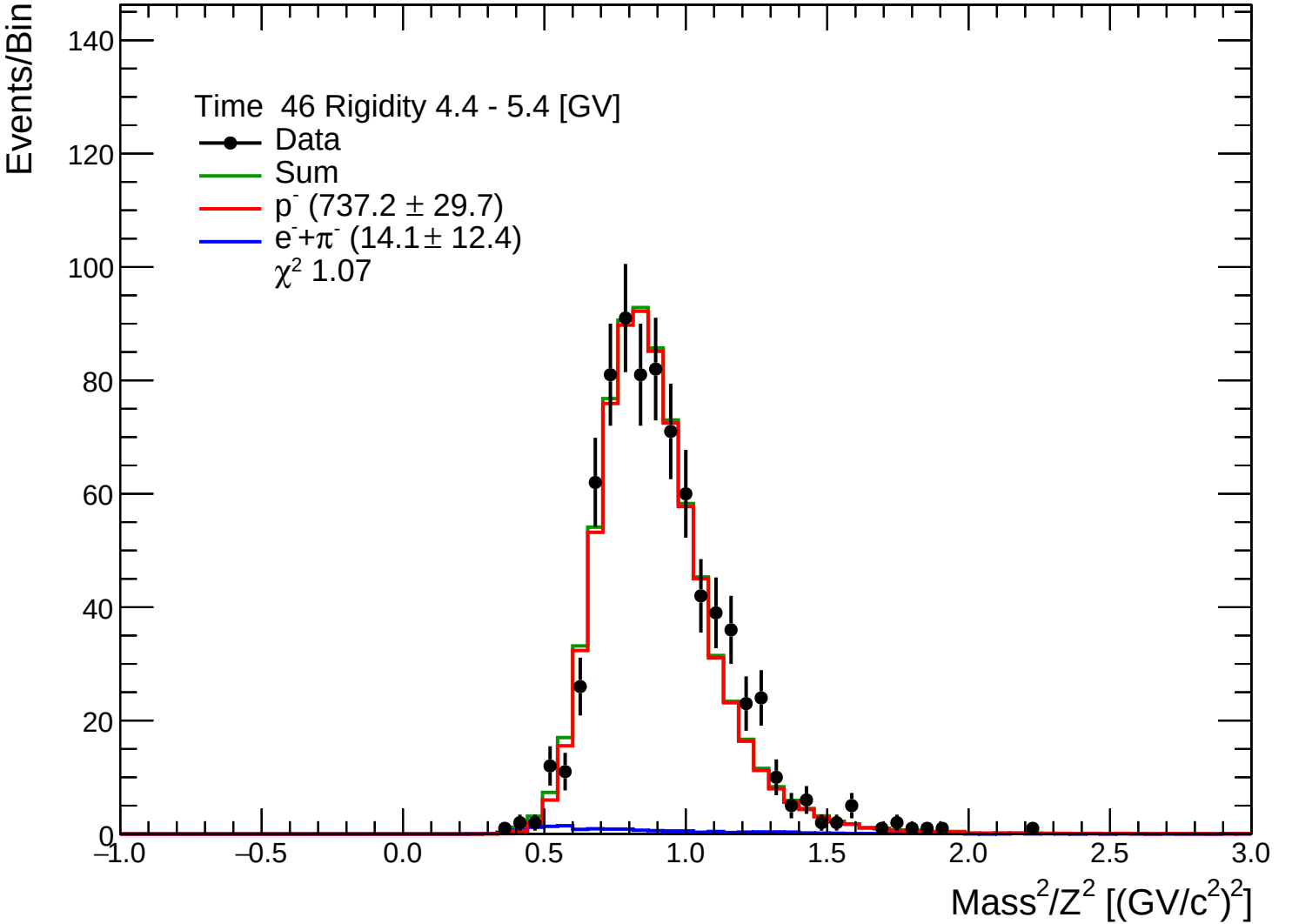

Events/Bin
400
350
300
250
200
150
100
50
0
964
966
968
970
972
Number [Temp 0]

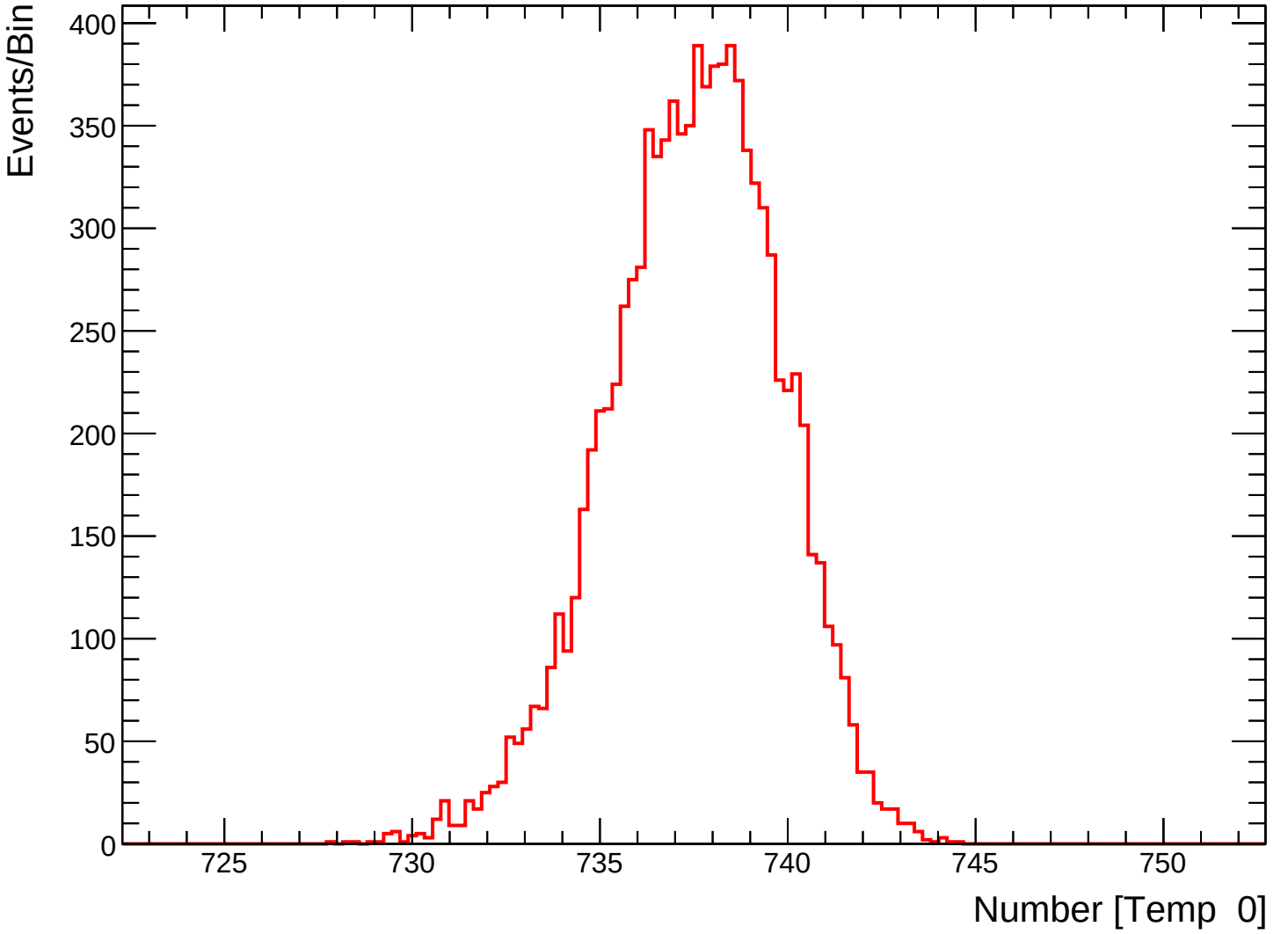

Time 45 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (923.3 ± 32.9)
e⁻+π⁻ (415.7 ± 23.8)
χ² 0.87
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

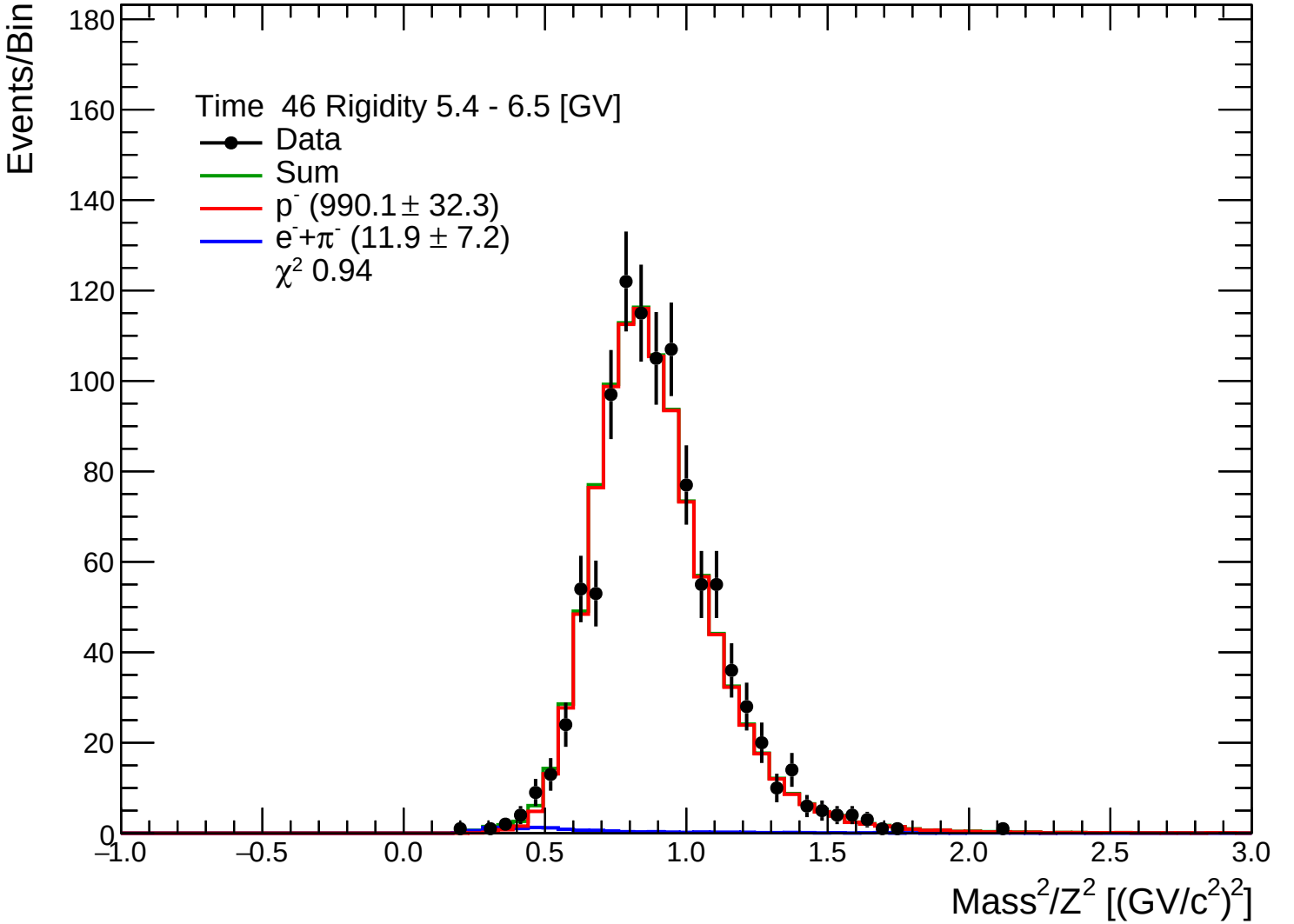

Events/Bin
400
350
300
250
200
150
100
50
0
918
920
922
924
926
928
930
Number [Temp 0]

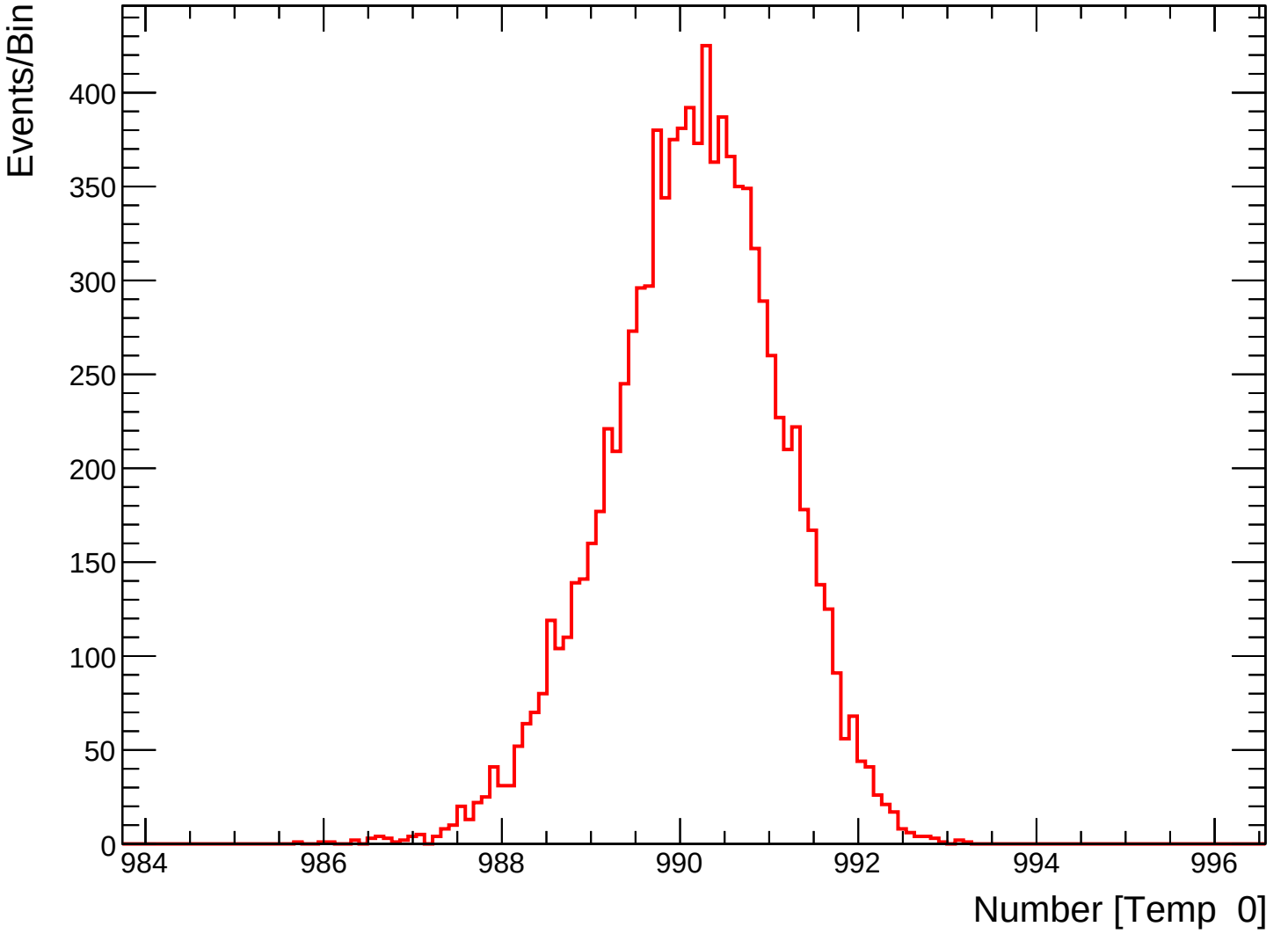

Time 46 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (417.4 ± 23.6)
e⁻+π⁻ (14.8 ± 12.4)
χ² 0.98
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

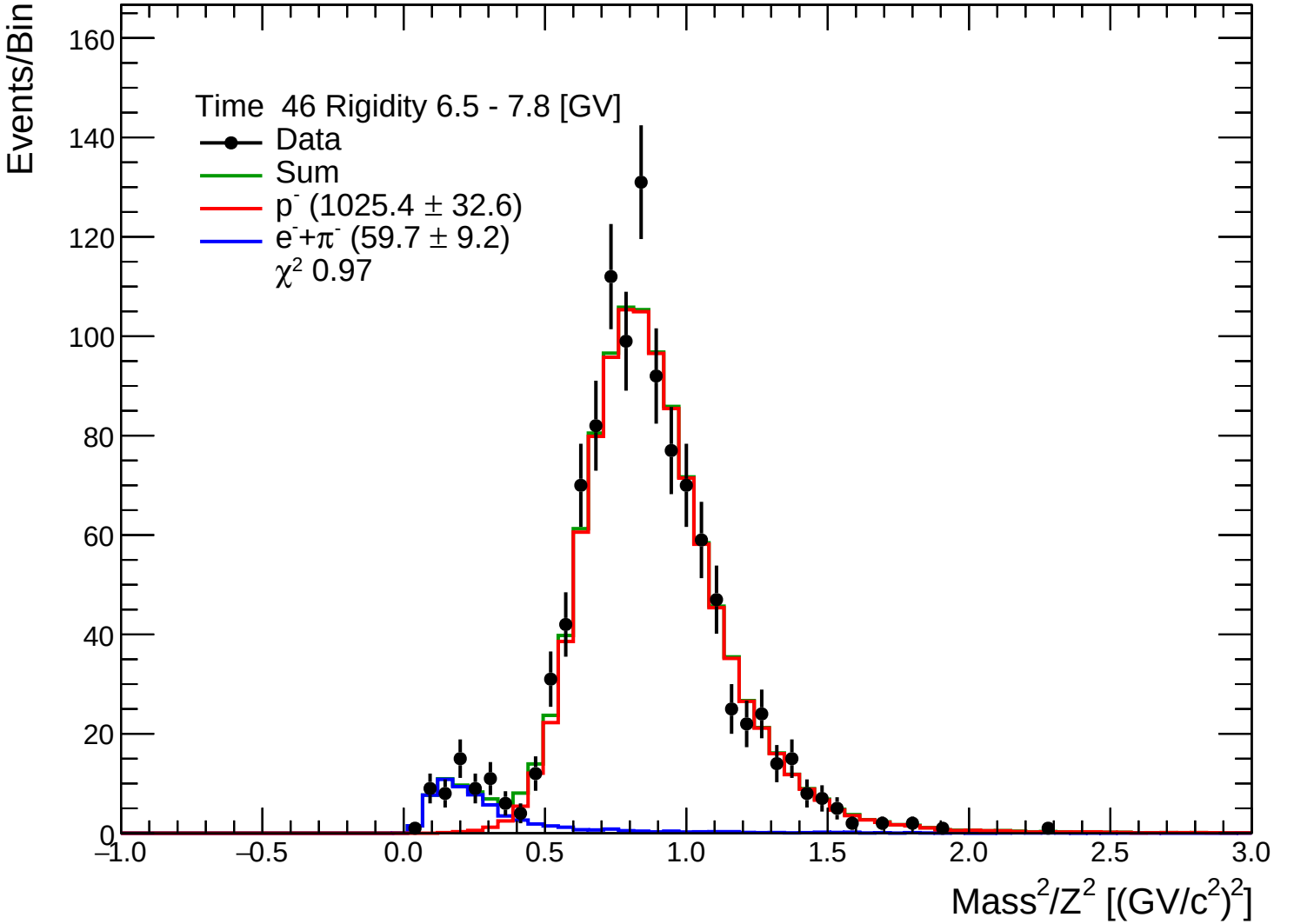

Events/Bin
400
350
300
250
200
150
100
50
0
405
410
415
420
425
430
Number [Temp 0]

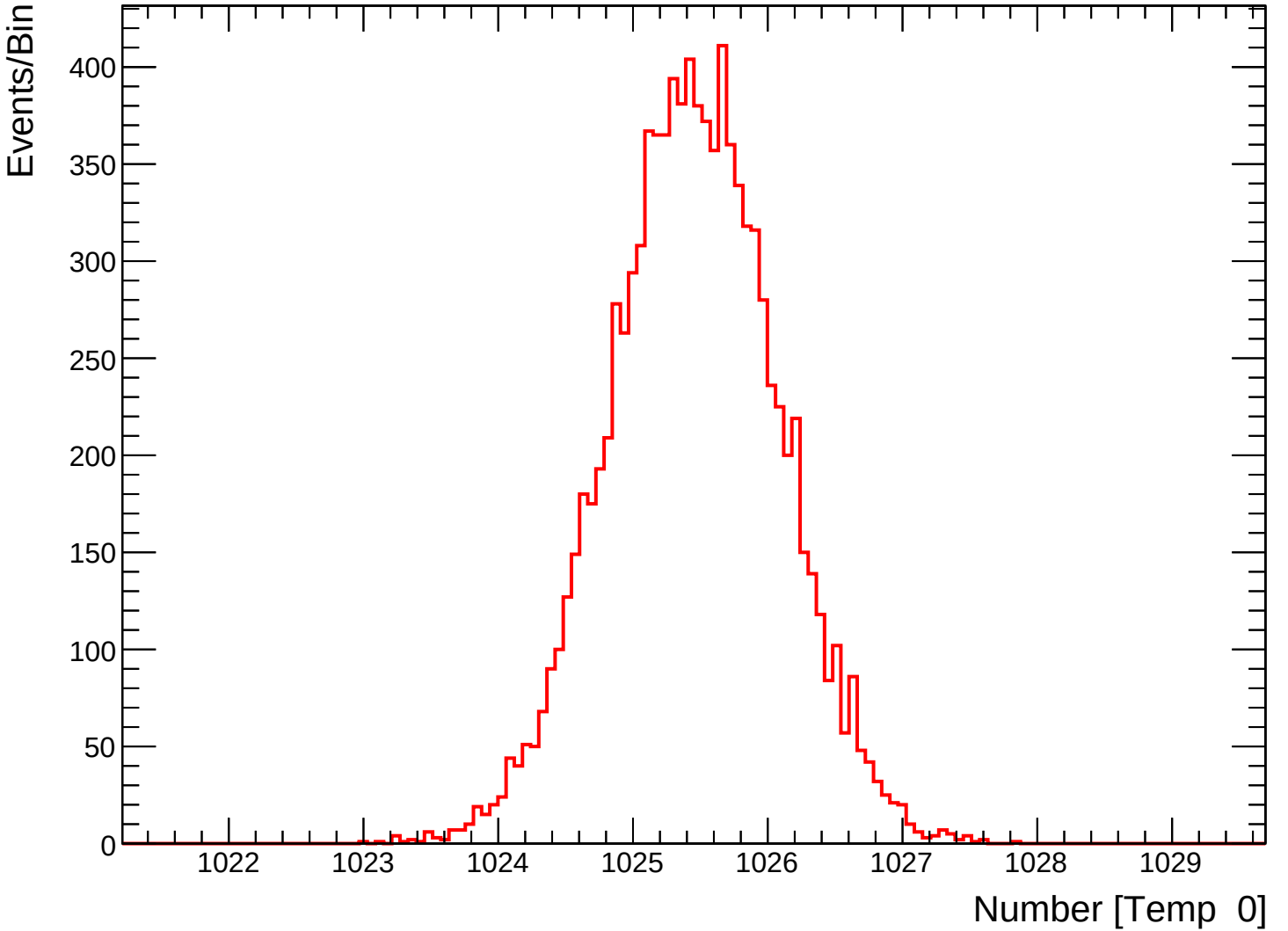

Time 46 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (737.2 ± 29.7)
e⁻+π⁻ (14.1± 12.4)
χ² 1.07
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

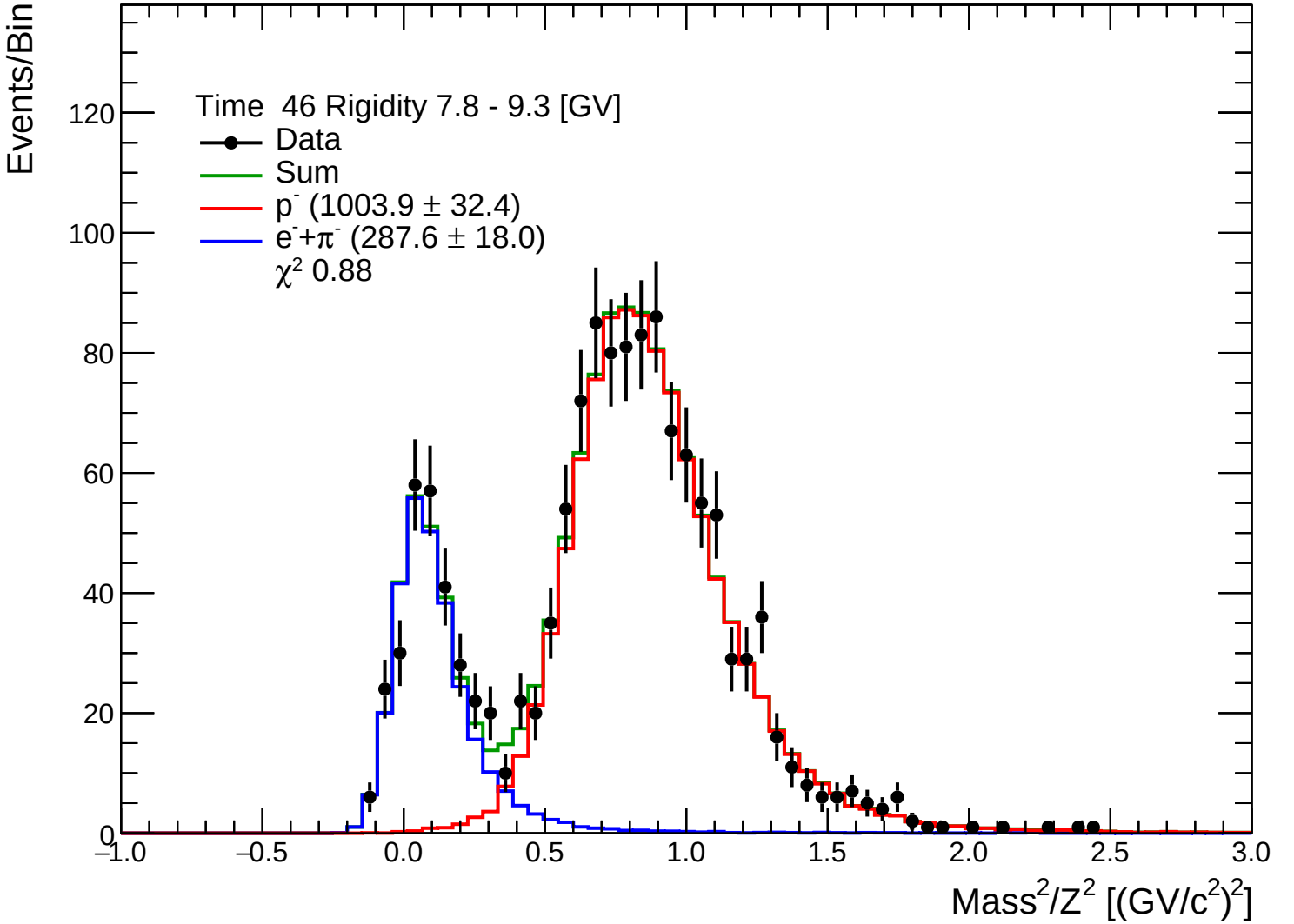

Events/Bin
400
350
300
250
200
150
100
50
0
725
730
735
740
745
750
Number [Temp 0]

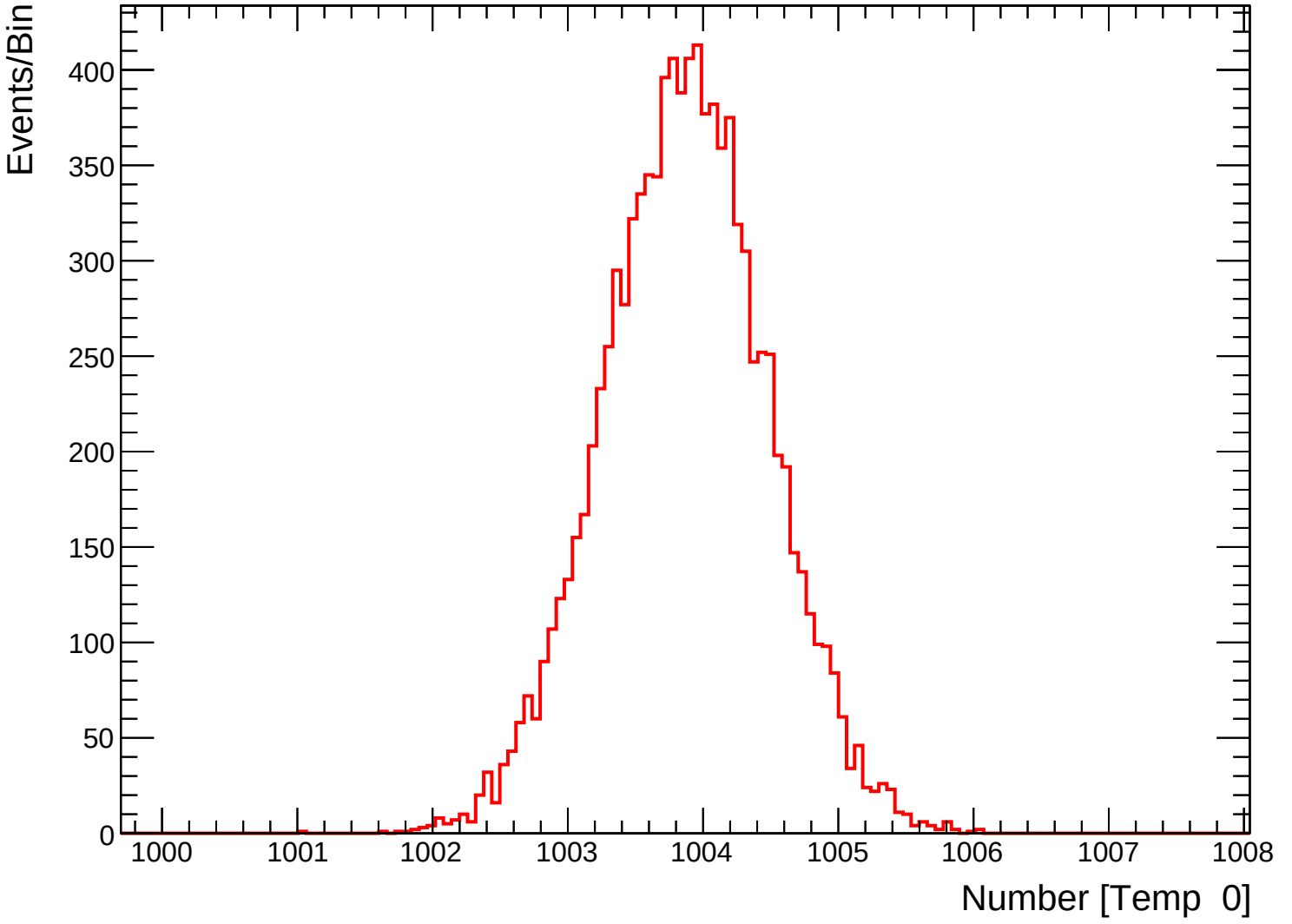

Time 46 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (990.1 ± 32.3)
e⁻+π⁻ (11.9 ± 7.2)
χ² 0.94
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

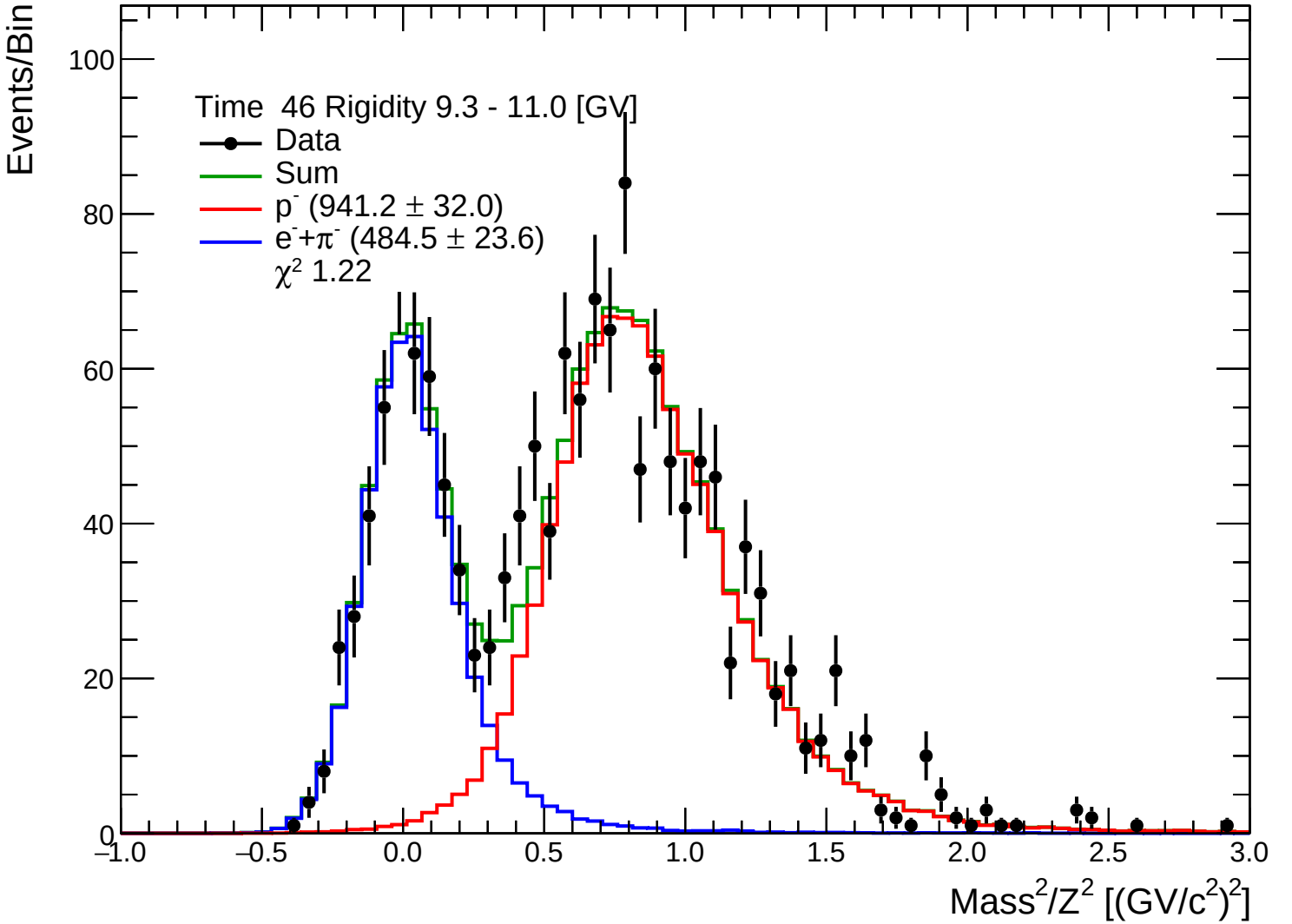

Events/Bin
400
350
300
250
200
150
100
50
0
984
986
988
990
992
994
996
Number [Temp 0]

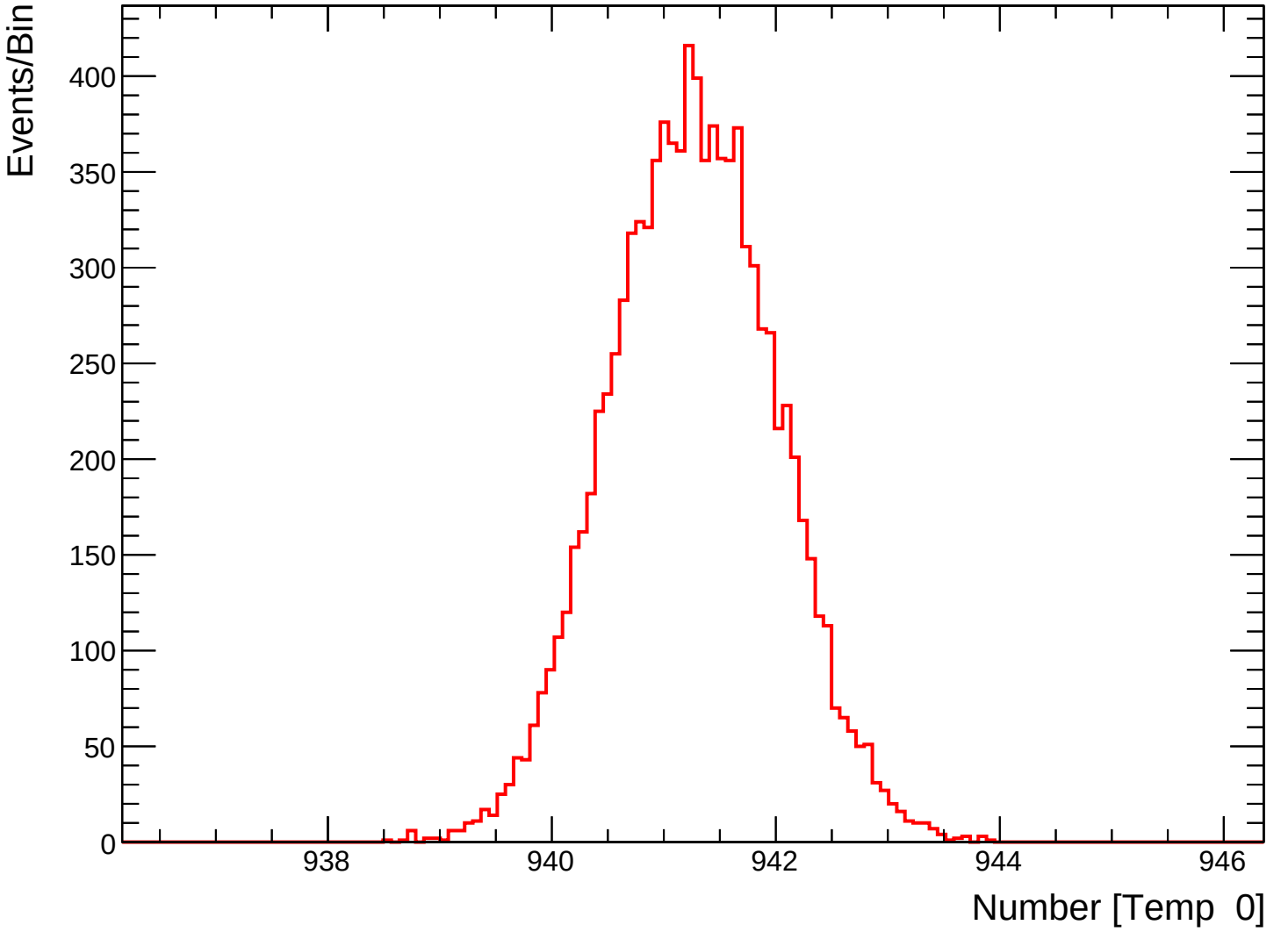

Time 46 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1025.4 ± 32.6)
e⁻+π⁻ (59.7 ± 9.2)
χ² 0.97
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

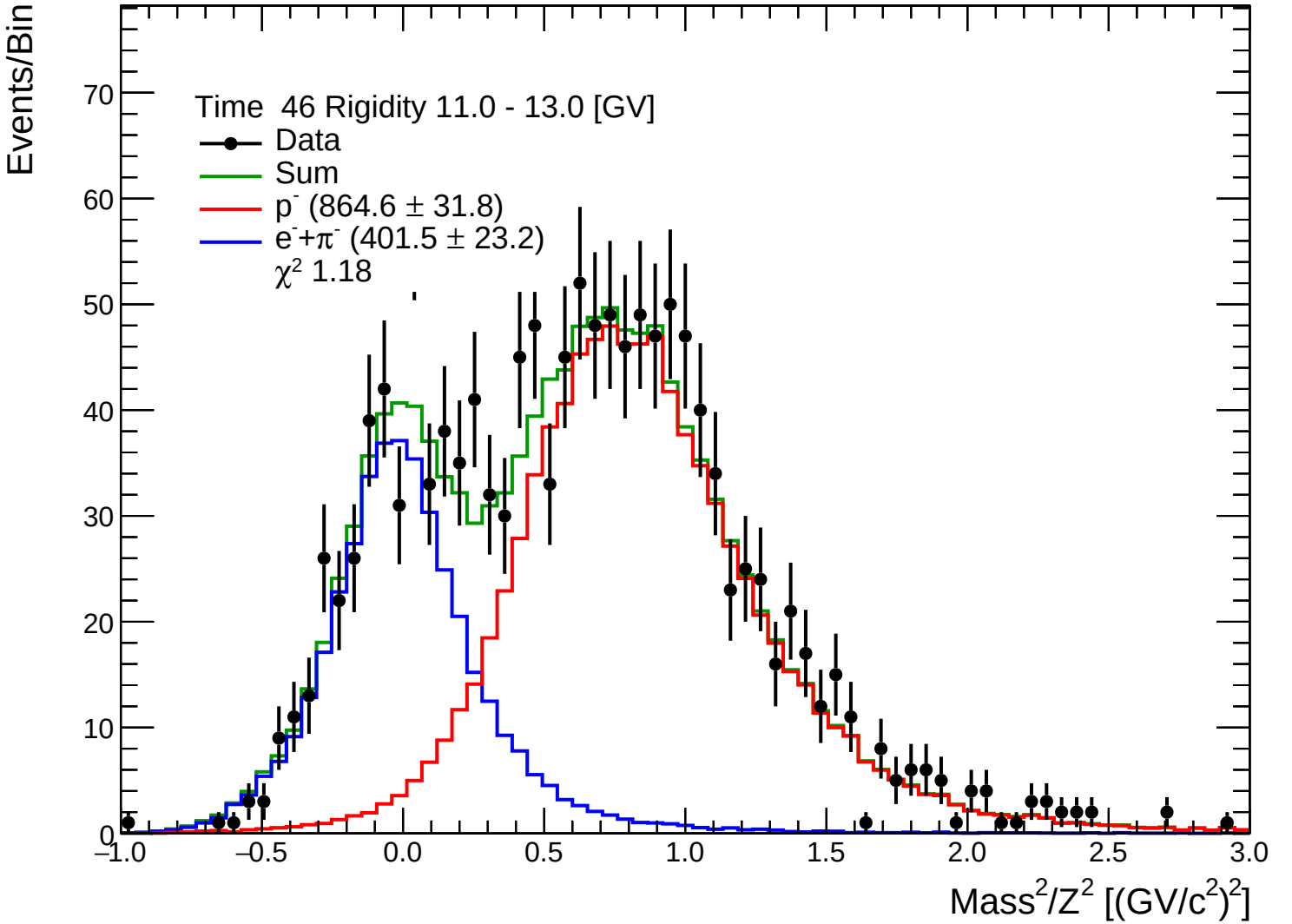

Events/Bin
400
350
300
250
200
150
100
50
0
1022
1023
1024
1025
1026
1027
1028
1029
Number [Temp 0]

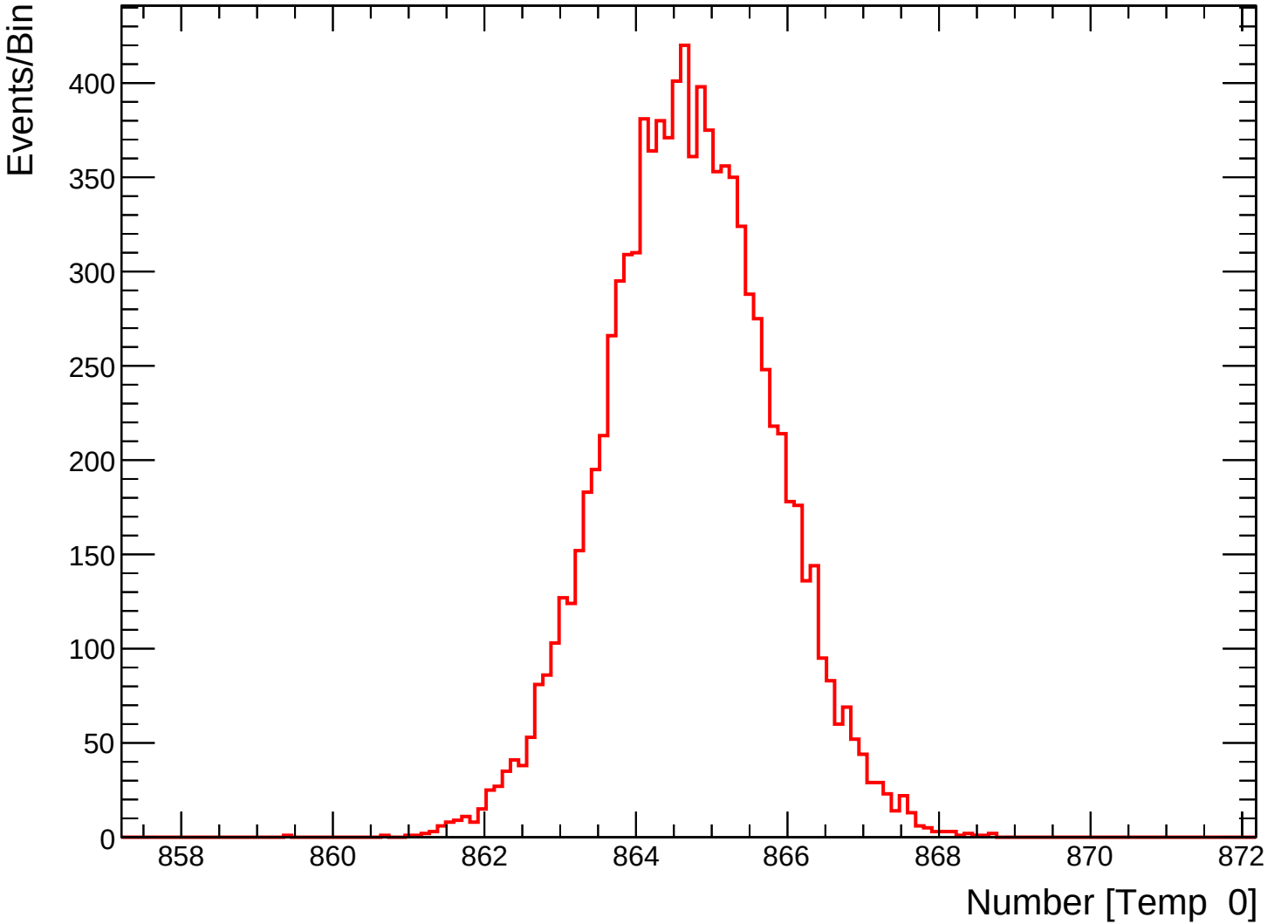

Time 46 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1003.9 ± 32.4)
e⁻+π⁻ (287.6 ± 18.0)
χ² 0.88
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

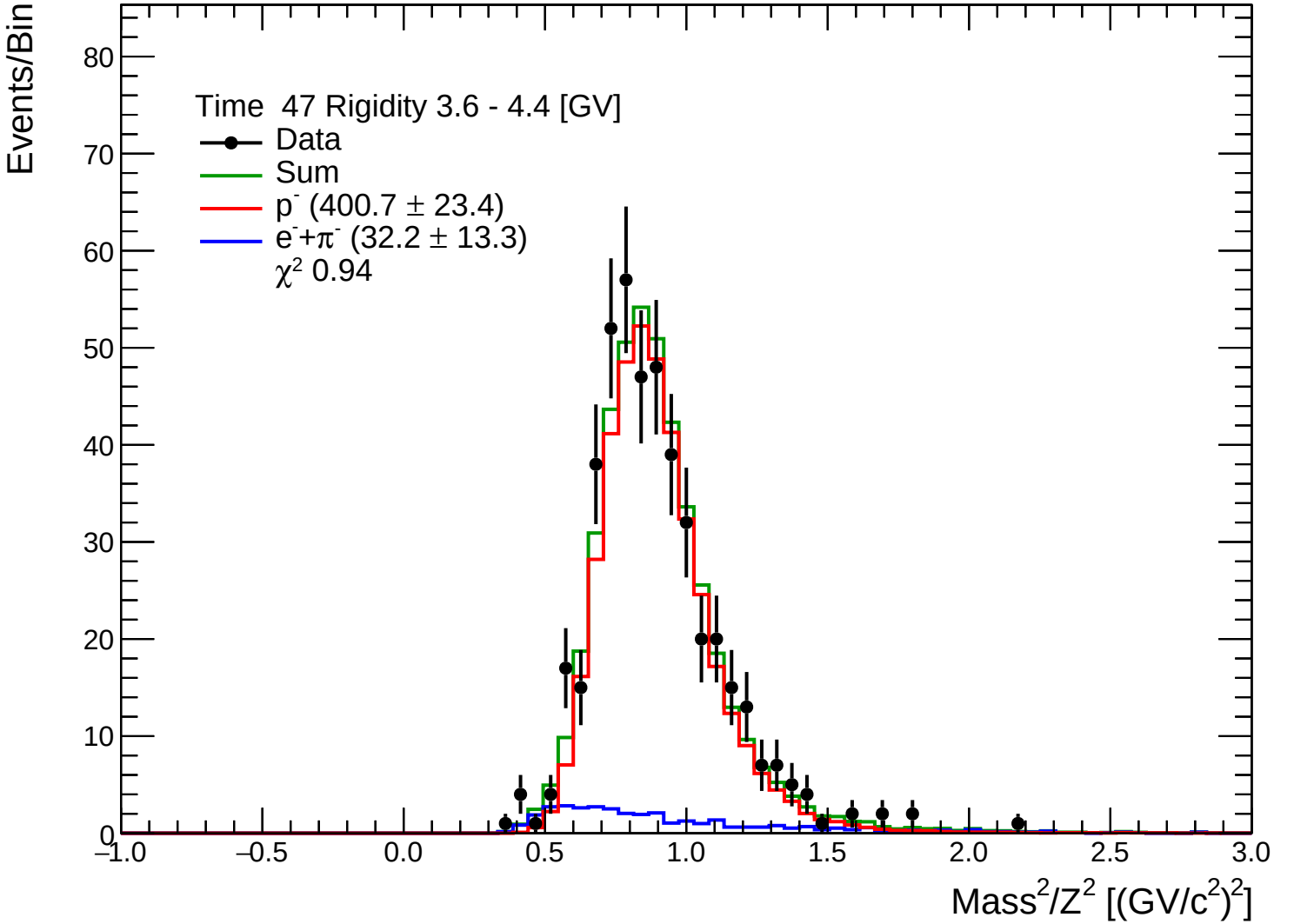

Events/Bin
400
350
300
250
200
150
100
50
0
1000
1001
1002
1003
1004
1005
1006
1007
1008
Number [Temp 0]

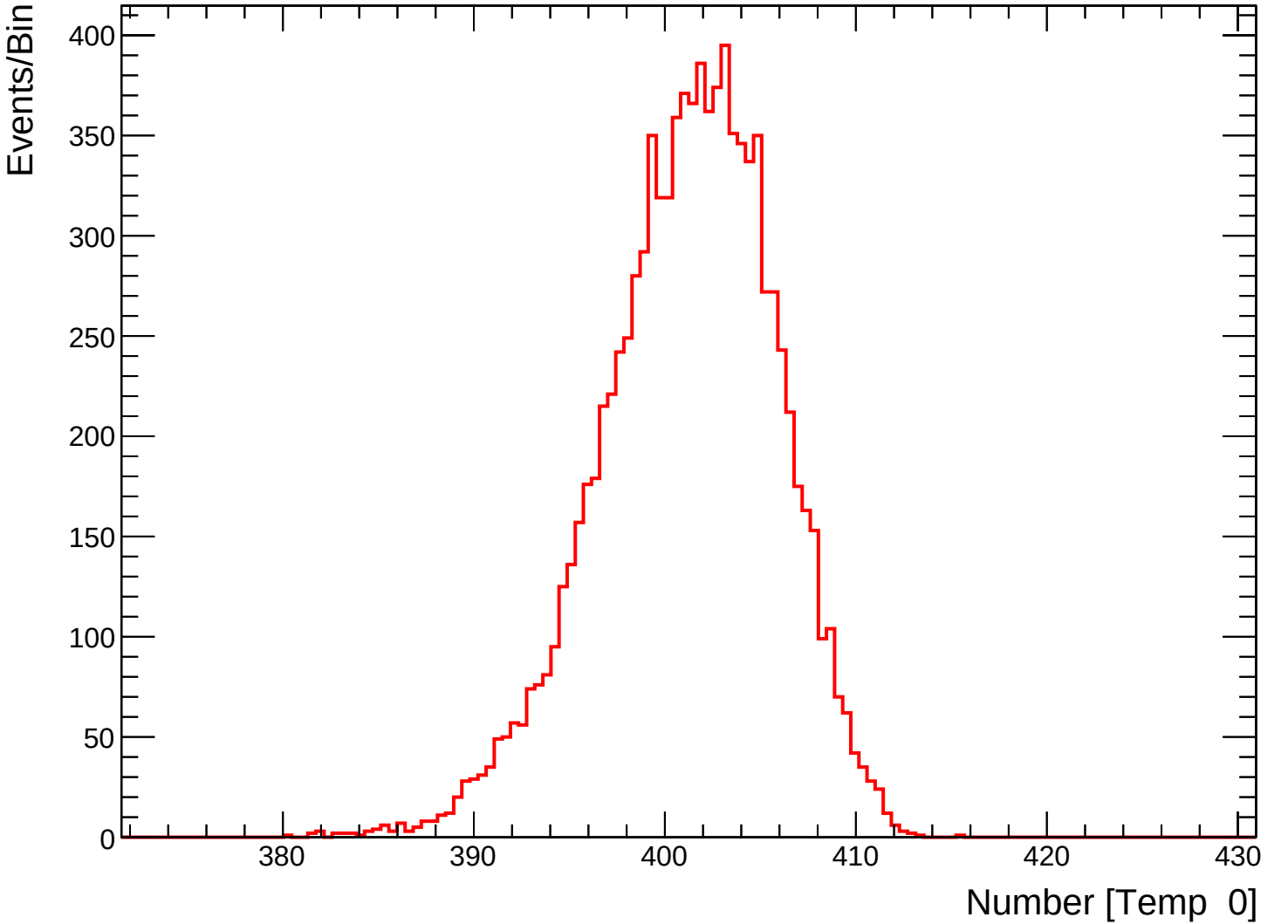

Time 46 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (941.2 ± 32.0)
e⁻+π⁻ (484.5 ± 23.6)
χ² 1.22
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

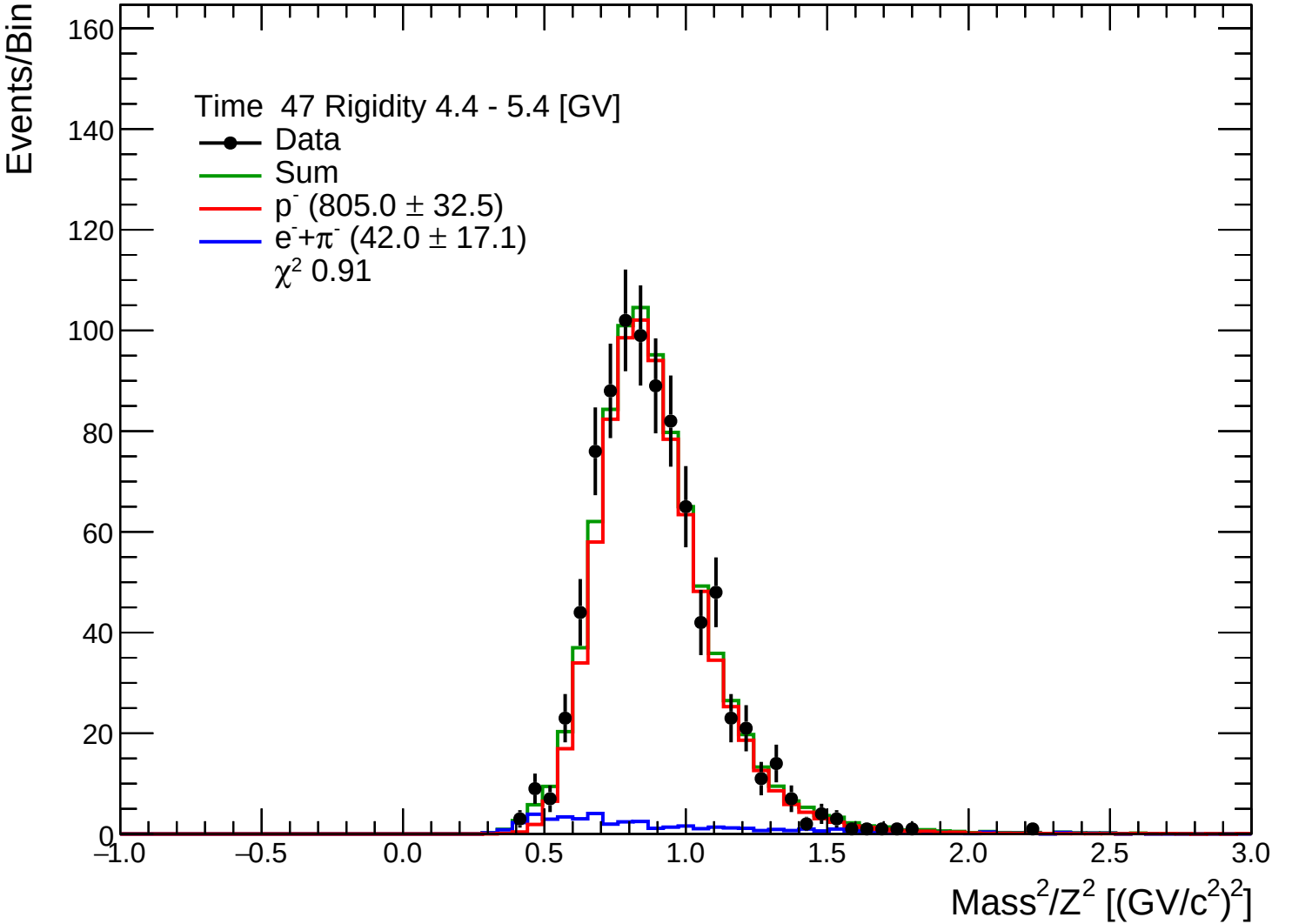

Events/Bin
400
350
300
250
200
150
100
50
0
938
940
942
944
946
Number [Temp 0]

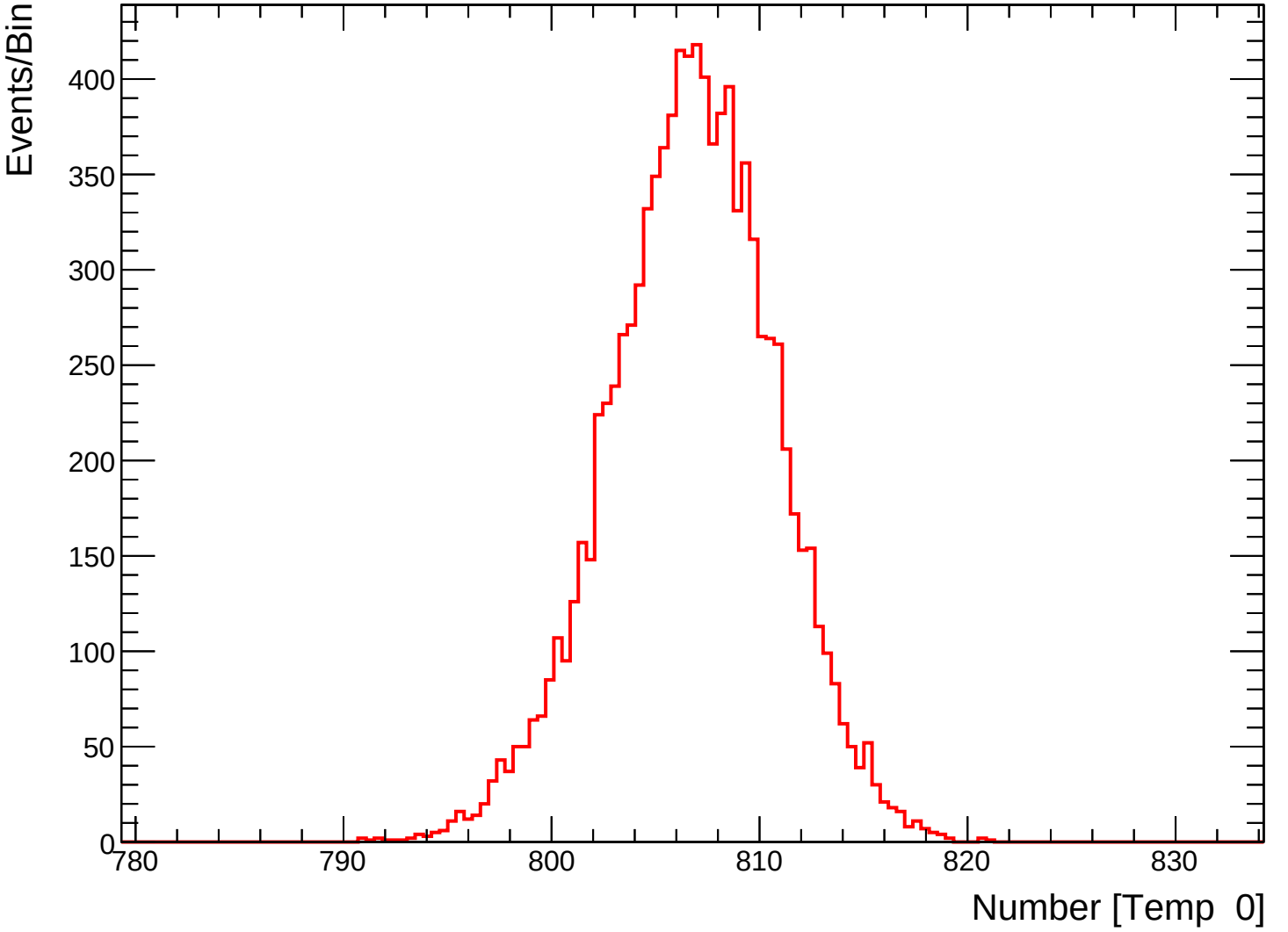

Time 46 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (864.6 ± 31.8)
e⁻+π⁻ (401.5 ± 23.2)
χ² 1.18
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

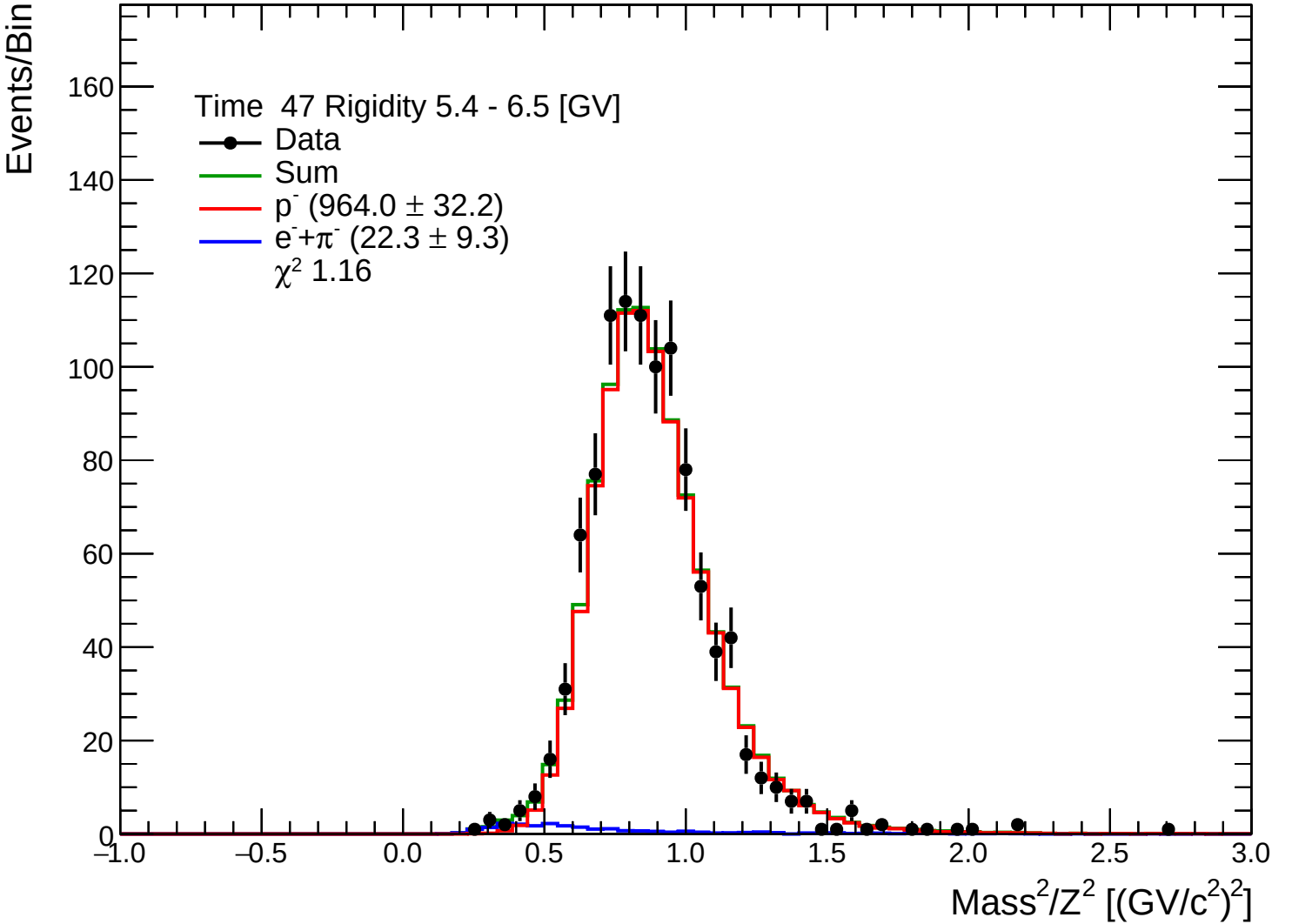

Events/Bin
400
350
300
250
200
150
100
50
0
858
860
862
864
866
868
870
872
Number [Temp 0]

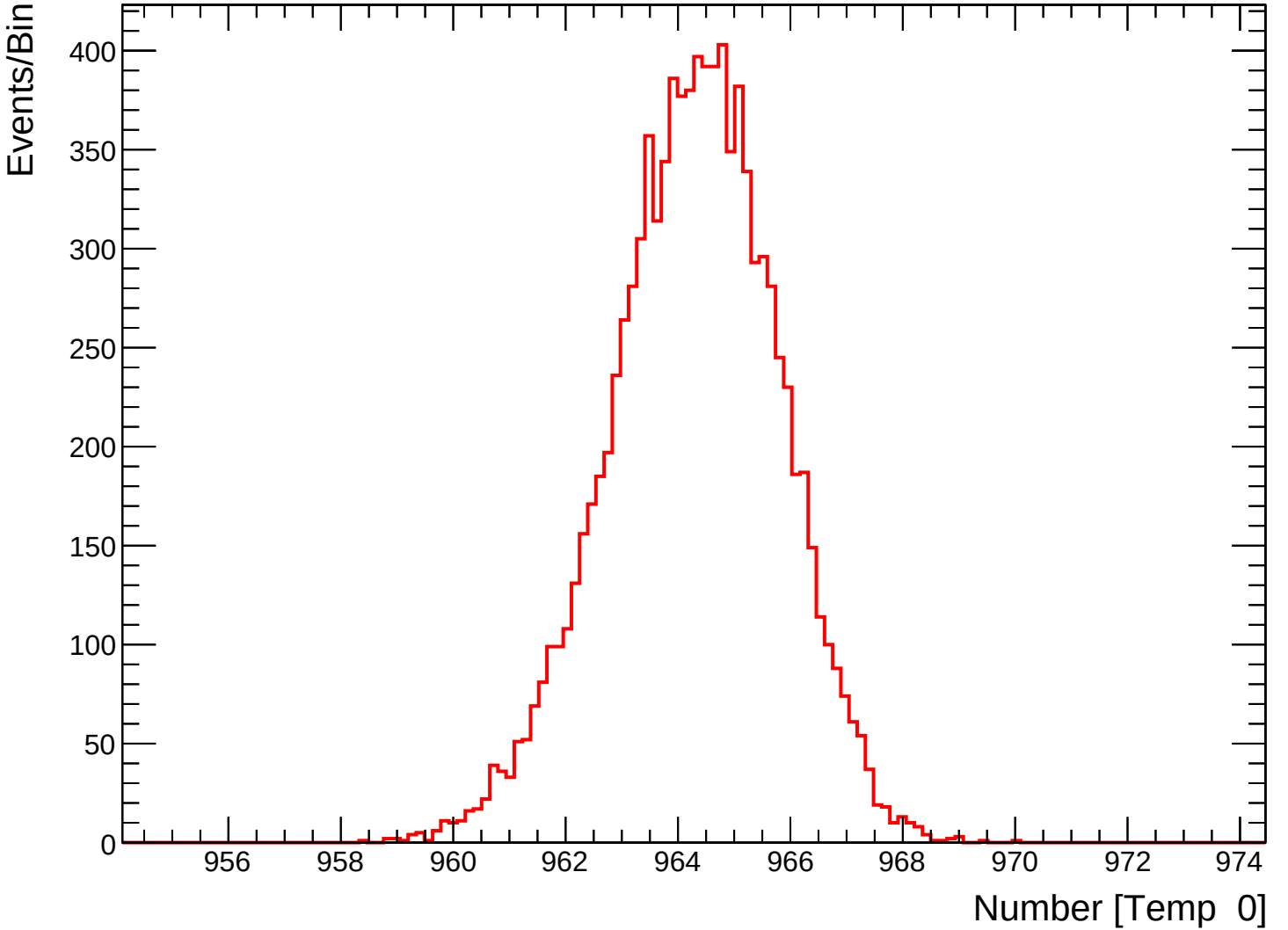

Time 47 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (400.7 ± 23.4)
e⁻+π⁻ (32.2 ± 13.3)
χ² 0.94
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

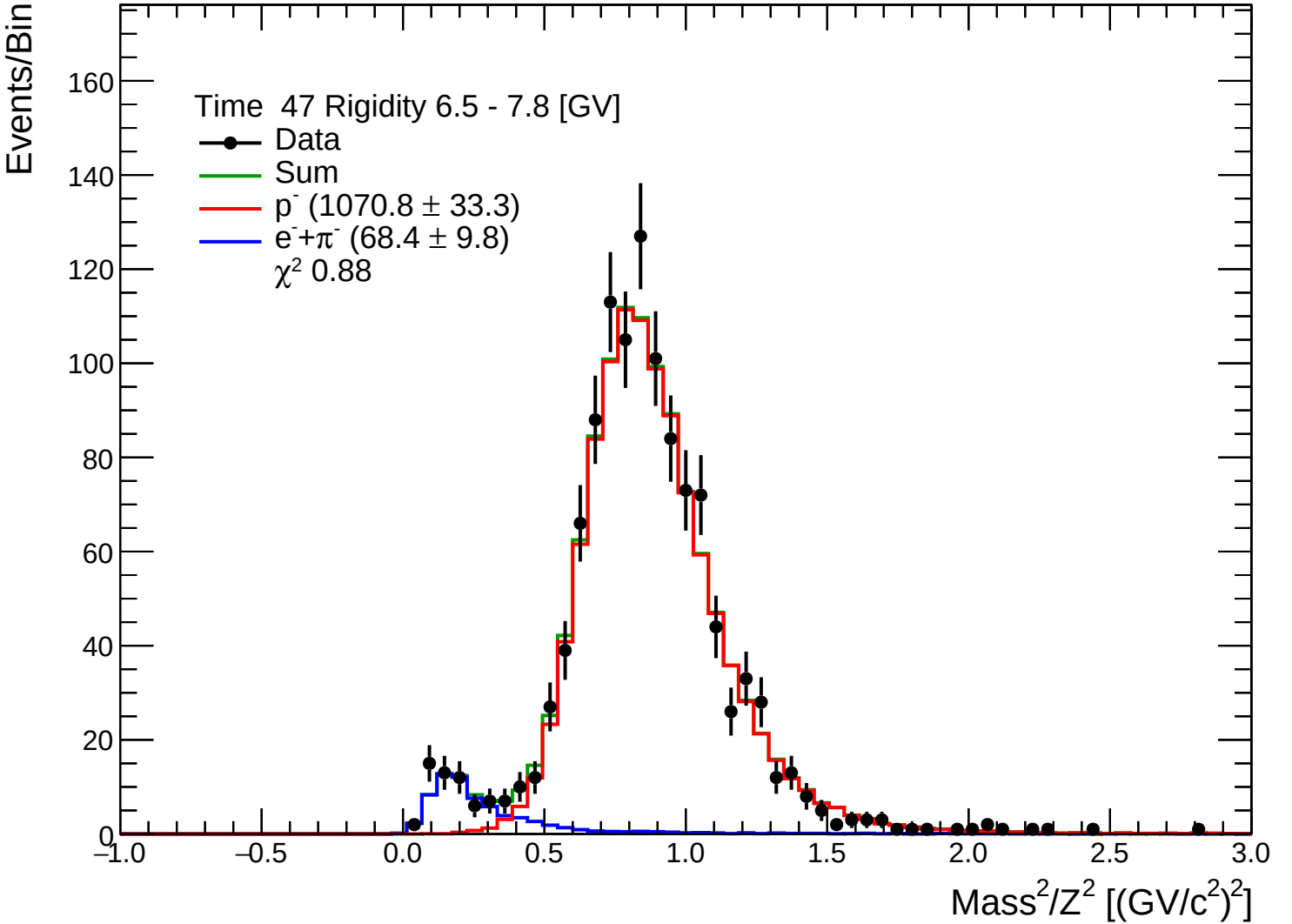

Events/Bin
400
350
300
250
200
150
100
50
0
380
390
400
410
420
430
Number [Temp 0]

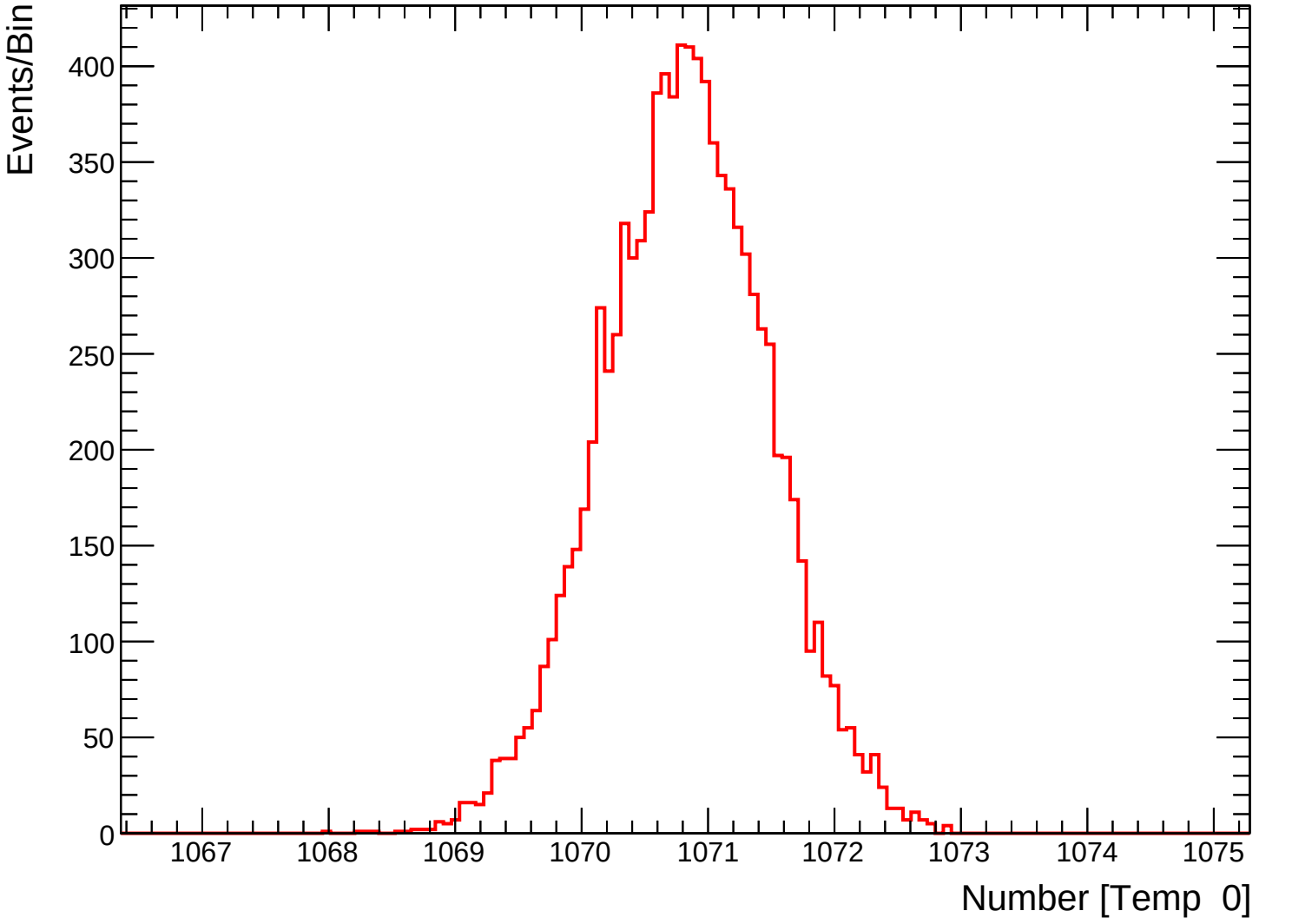

Time 47 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (805.0 ± 32.5)
e⁻+π⁻ (42.0 ± 17.1)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

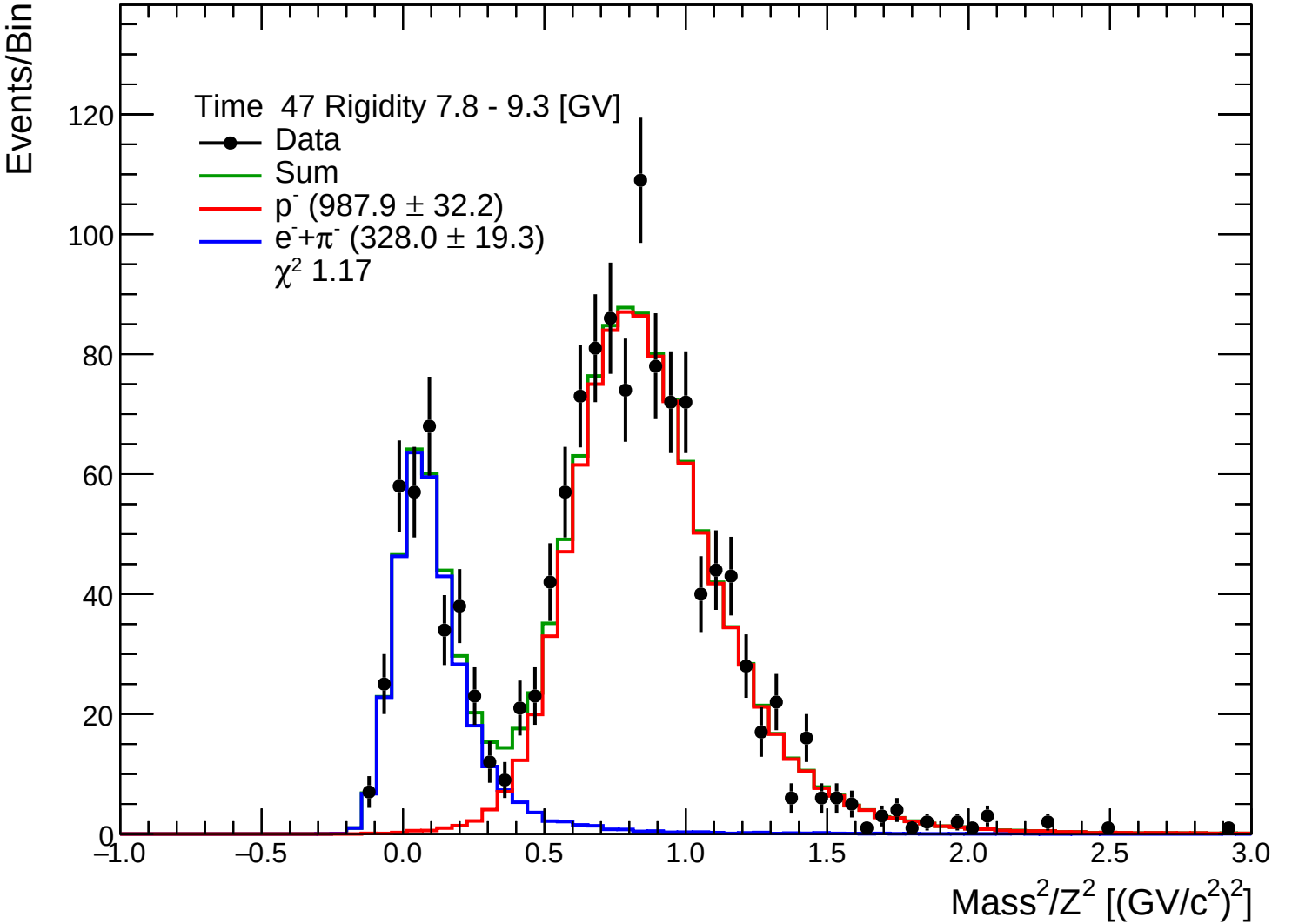

Events/Bin
400
350
300
250
200
150
100
50
0
780
790
800
810
820
830
Number [Temp 0]

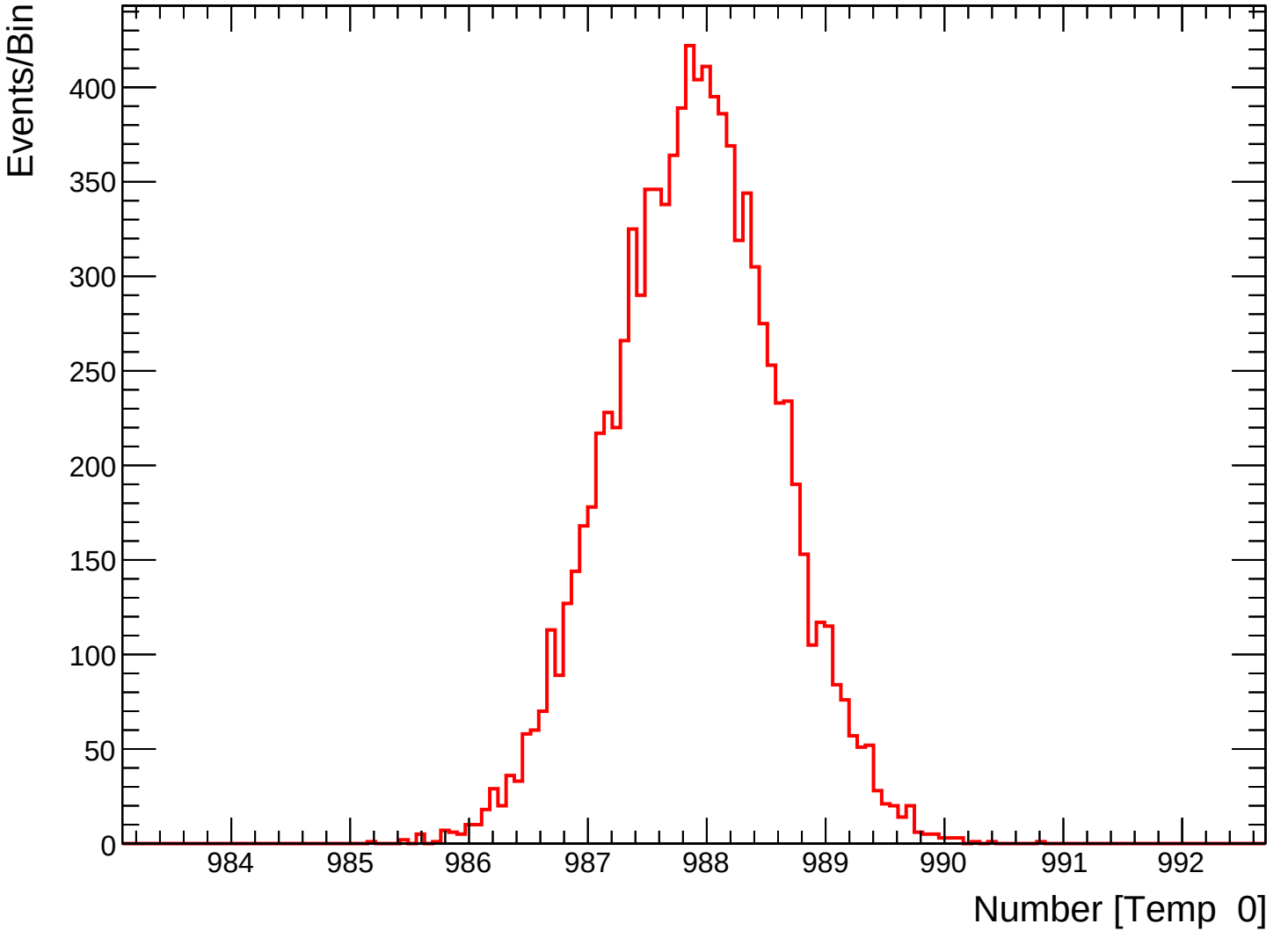

Time 47 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (964.0 ± 32.2)
e⁻+π⁻ (22.3 ± 9.3)
χ² 1.16
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

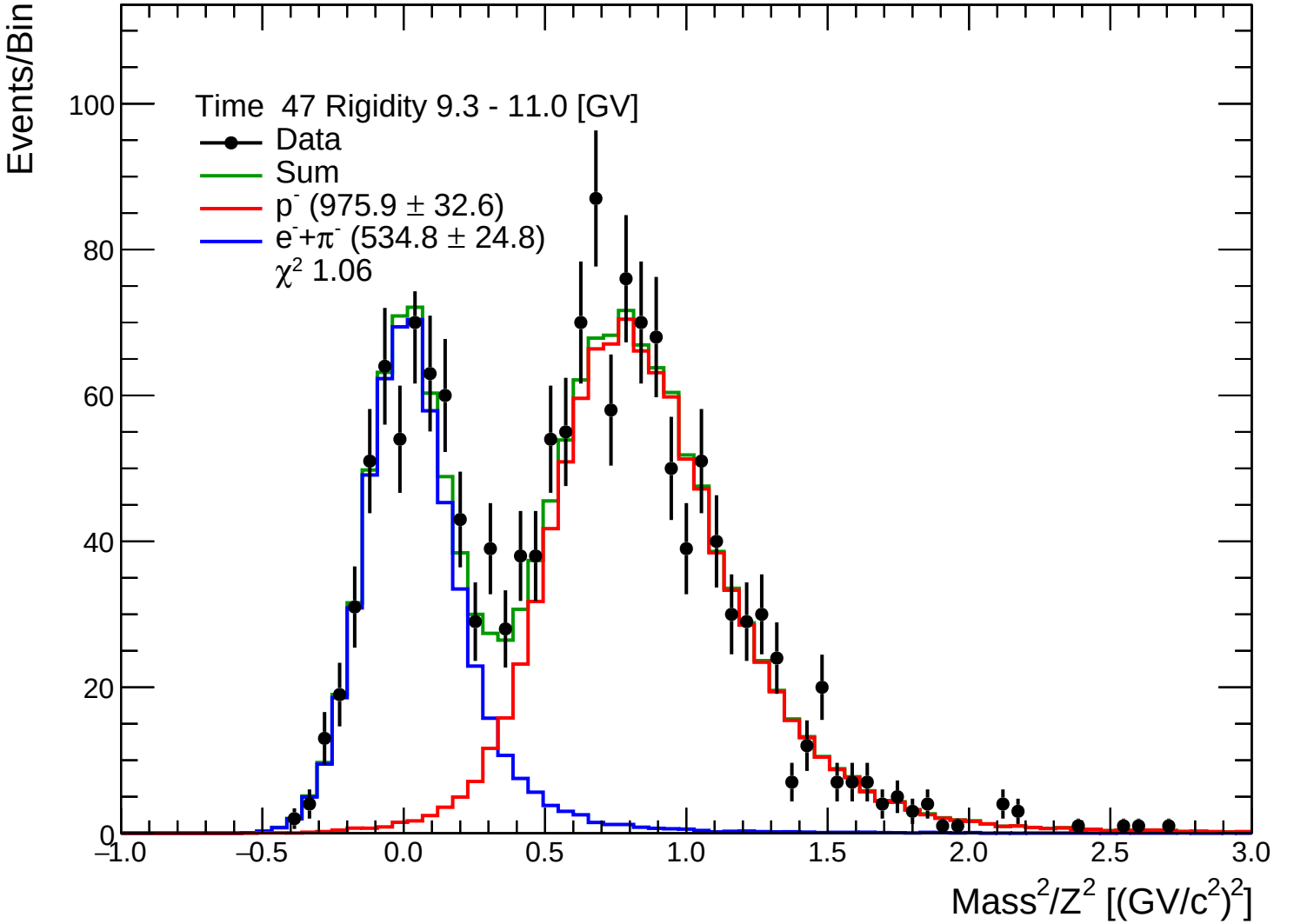

Events/Bin
400
350
300
250
200
150
100
50
0
956
958
960
962
964
966
968
970
972
974
Number [Temp 0]

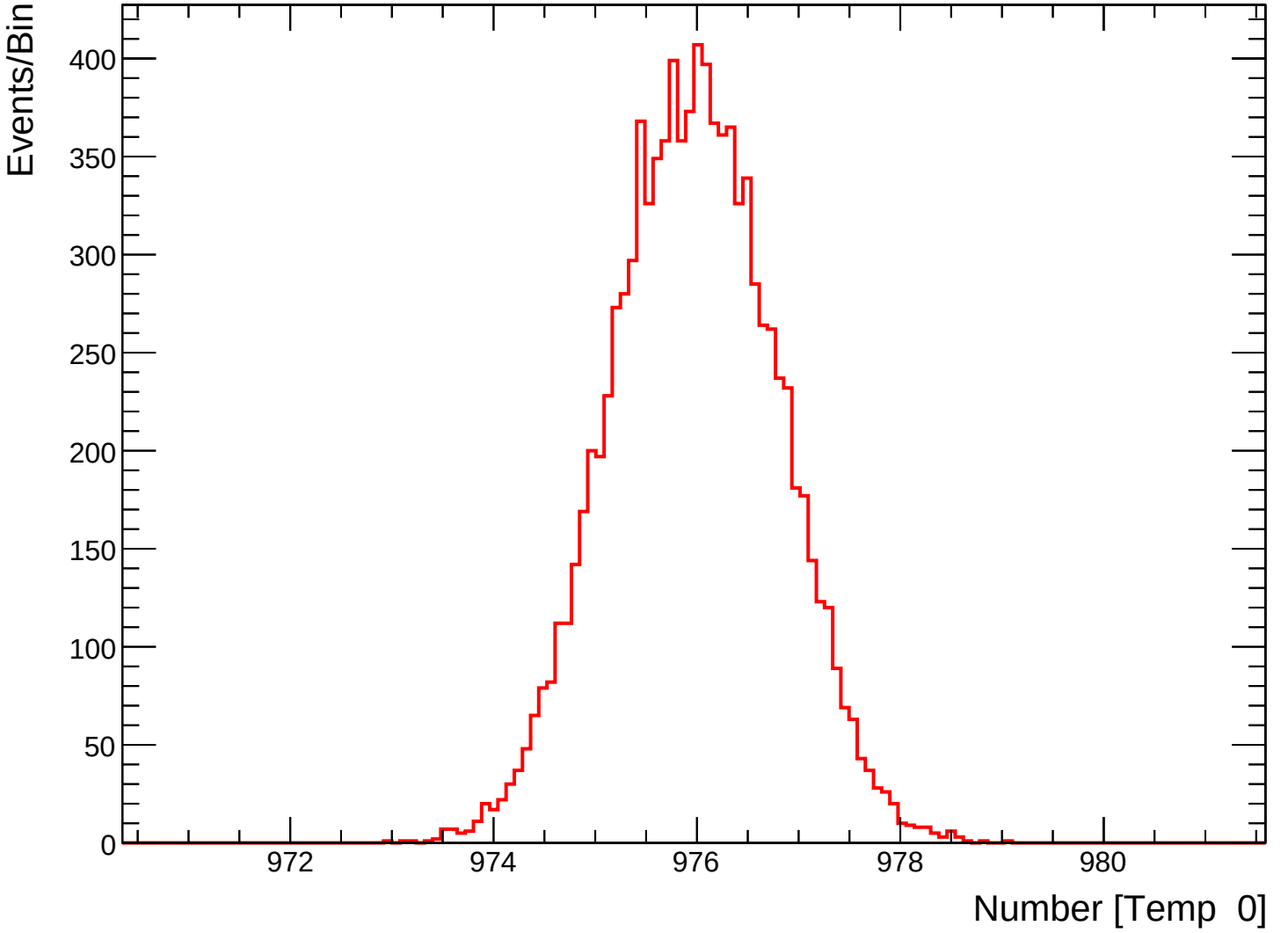

Time 47 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1070.8 ± 33.3)
e⁻+π⁻ (68.4 ± 9.8)
χ² 0.88
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

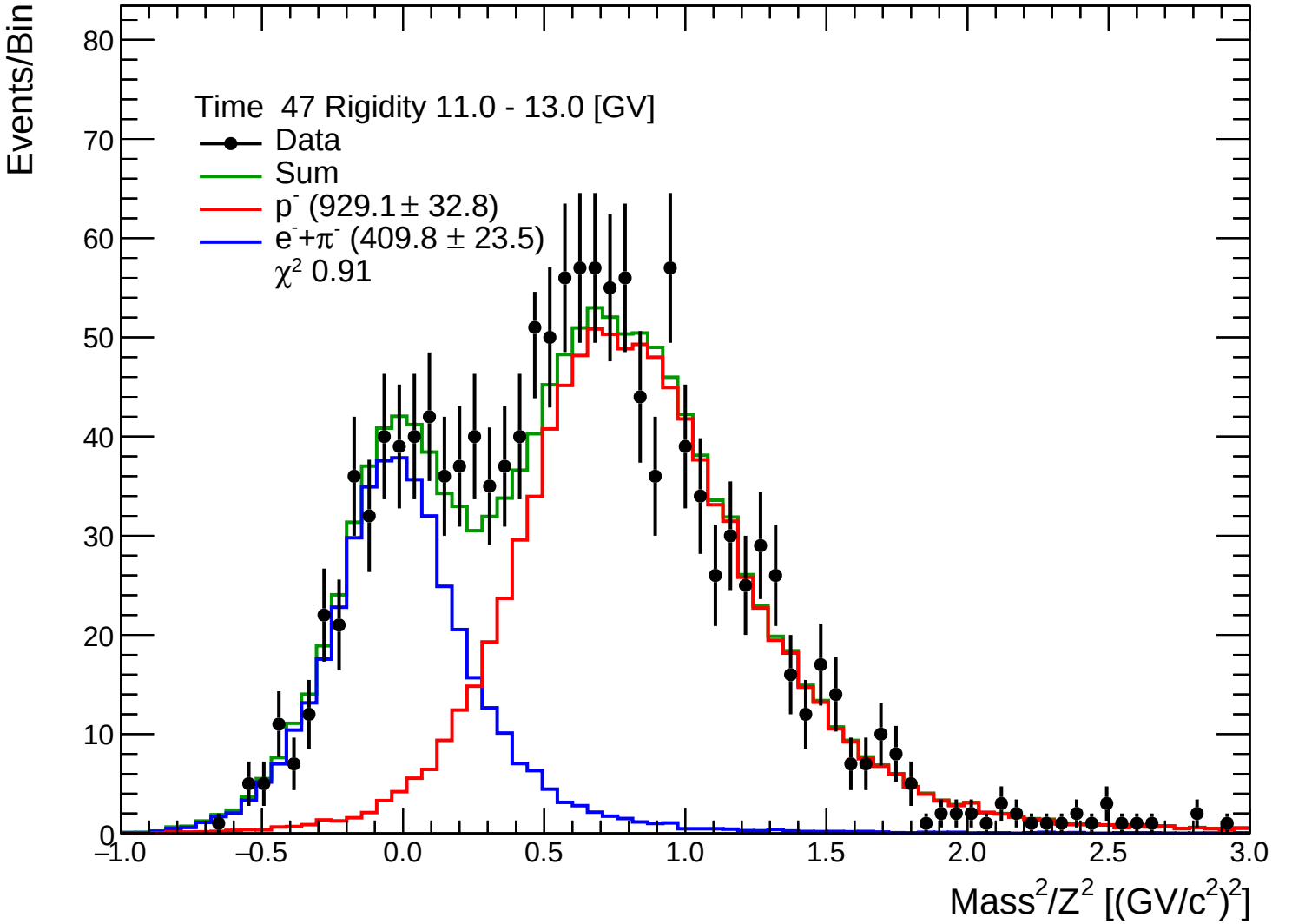

Events/Bin
400
350
300
250
200
150
100
50
0
1067
1068
1069
1070
1071
1072
1073
1074
1075
Number [Temp 0]

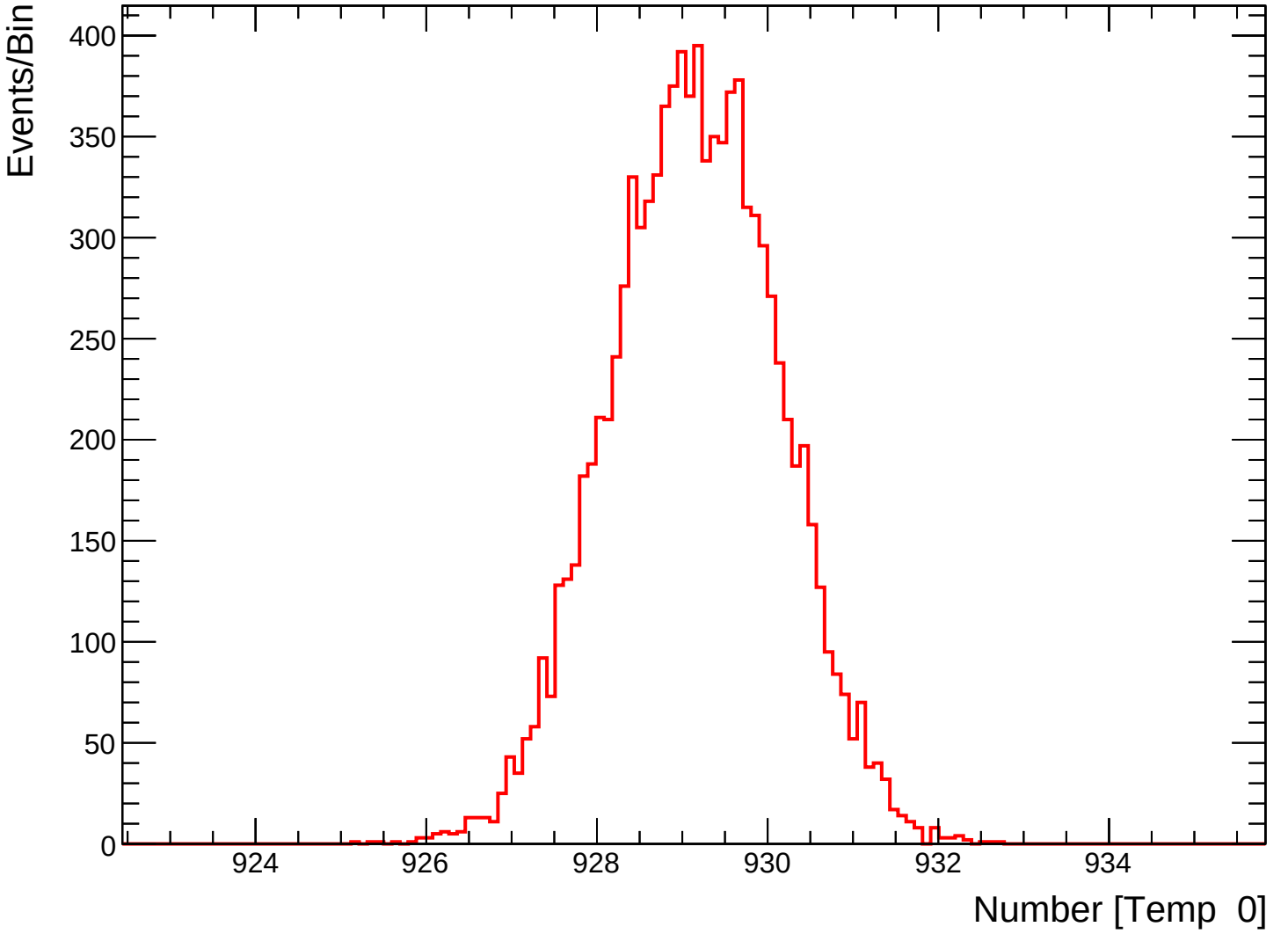

Time 47 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (987.9 ± 32.2)
e⁻+π⁻ (328.0 ± 19.3)
χ² 1.17
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

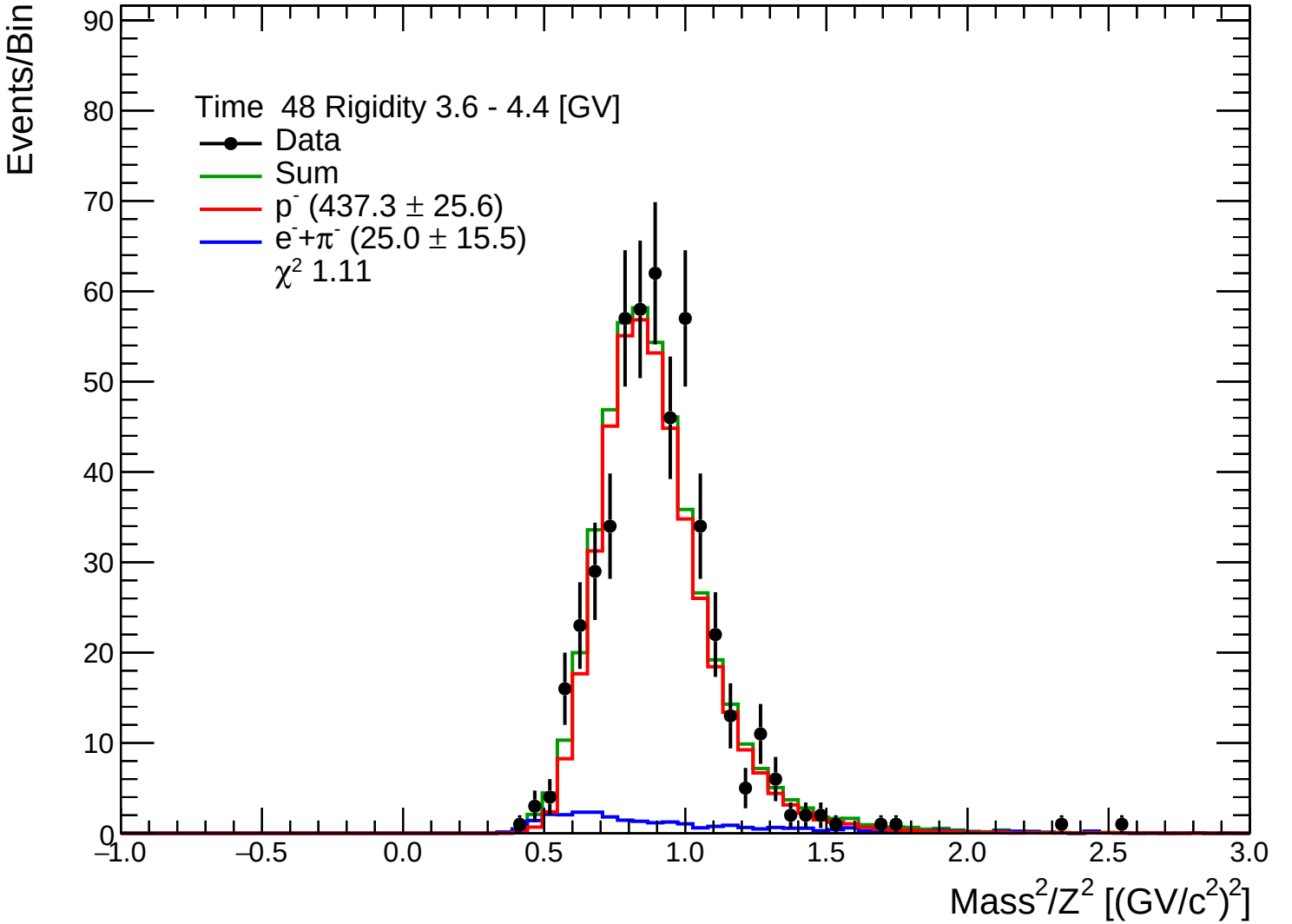

Events/Bin
400
350
300
250
200
150
100
50
0
984
985
986
987
988
989
990
991
992
Number [Temp 0]

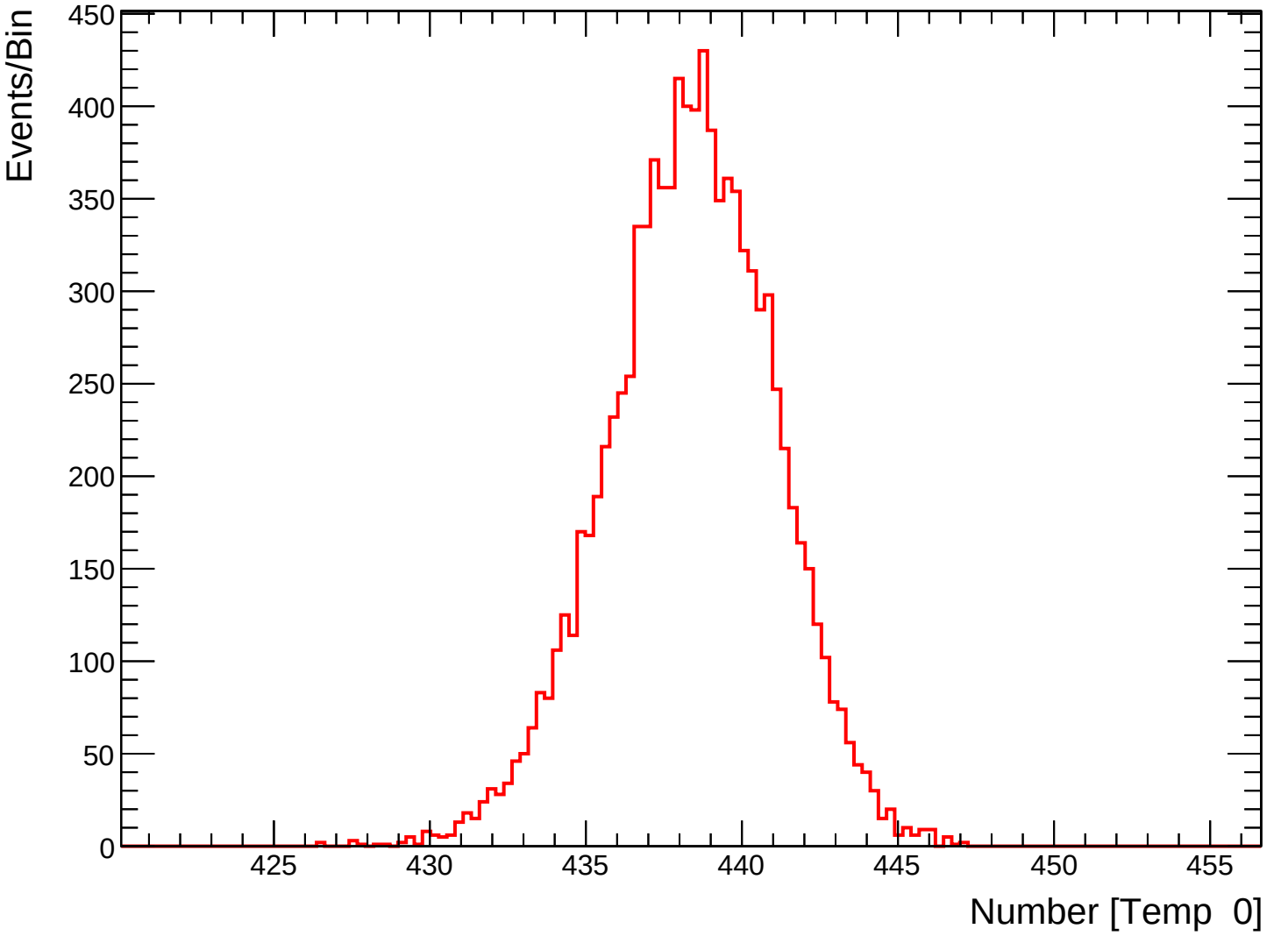

Time 47 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (975.9 ± 32.6)
e⁻+π⁻ (534.8 ± 24.8)
χ² 1.06
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

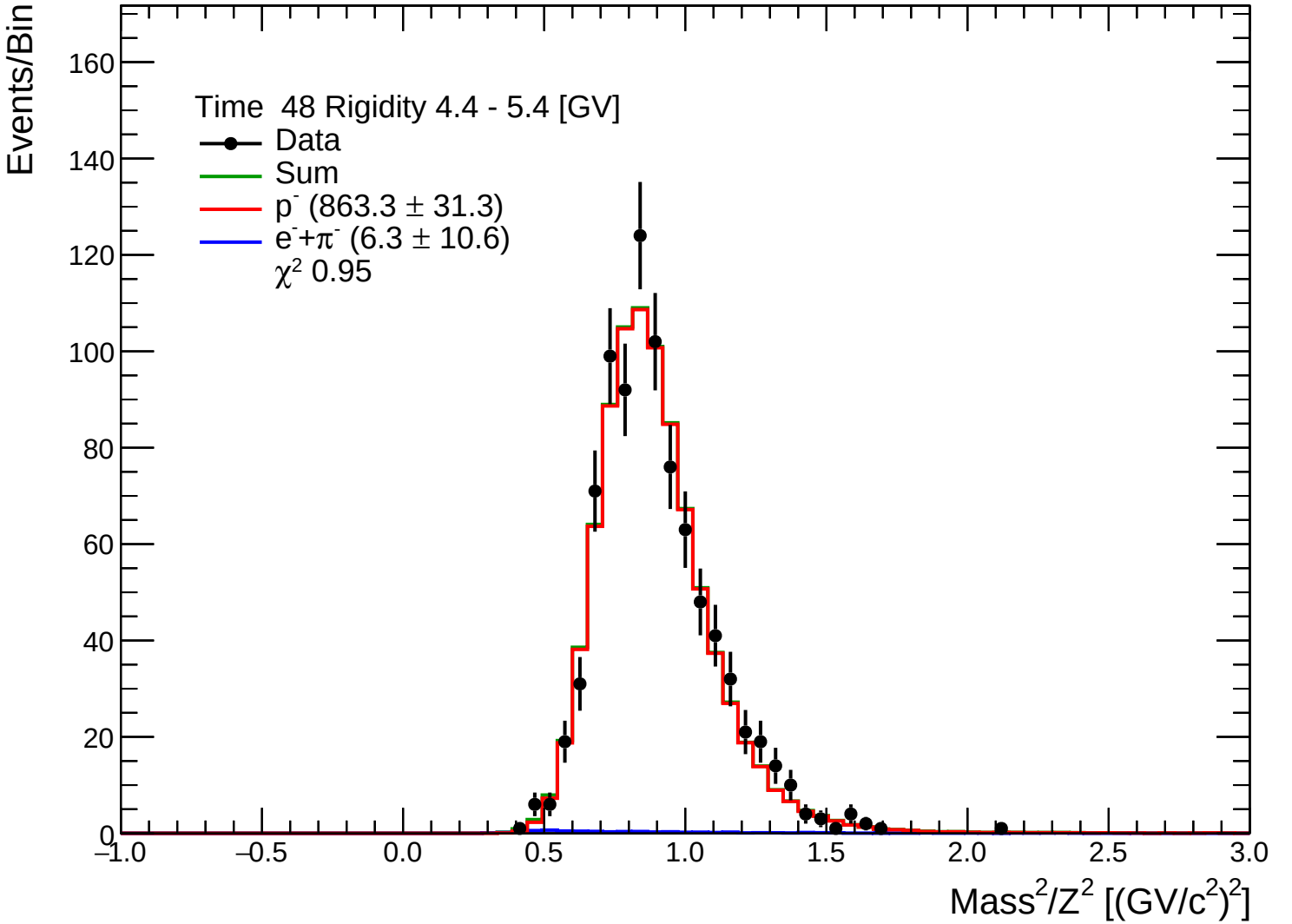

Events/Bin
400
350
300
250
200
150
100
50
0
972
974
976
978
980
Number [Temp 0]

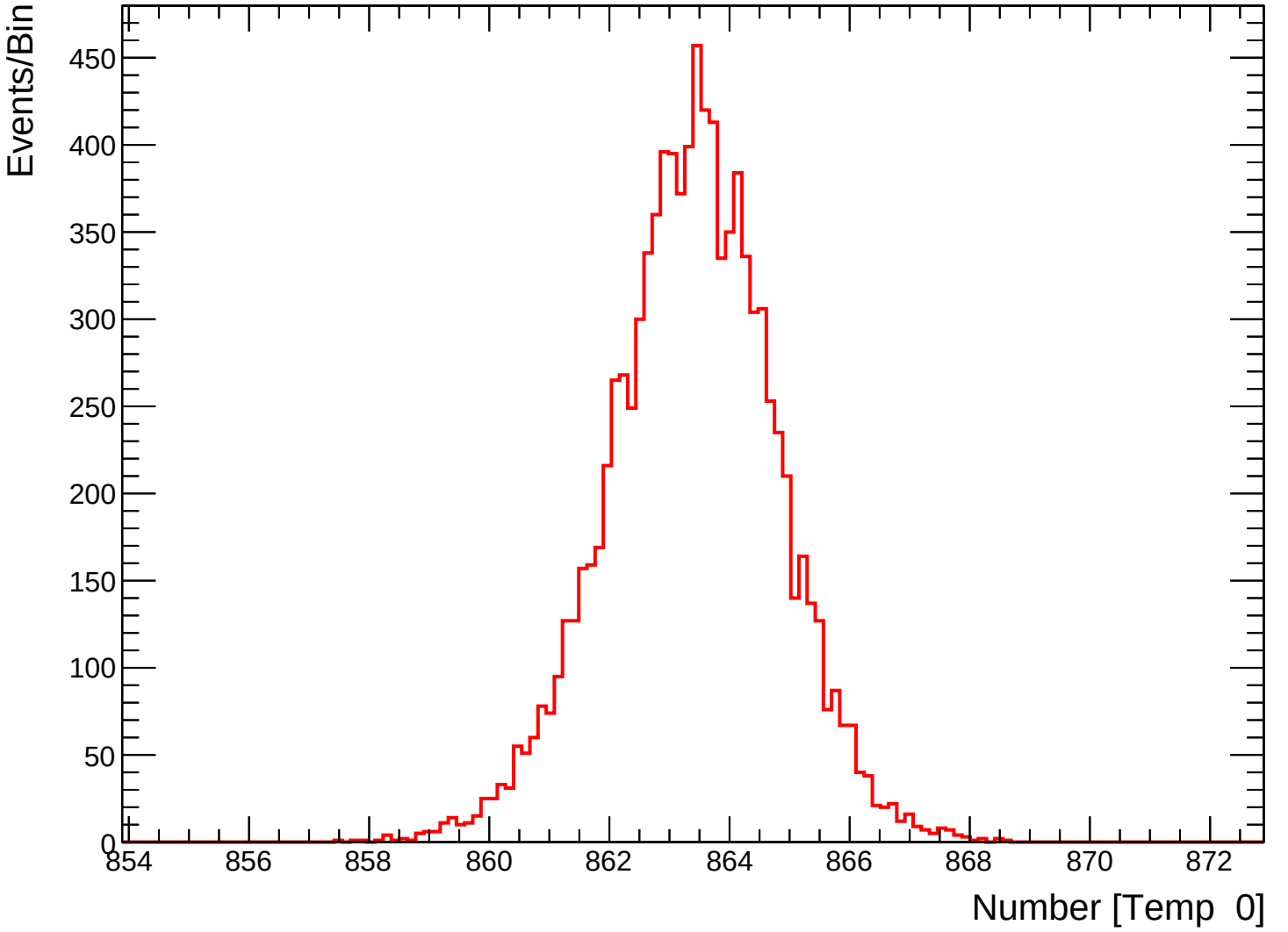

Time 47 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (929.1 ± 32.8)
e⁻+π⁻ (409.8 ± 23.5)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

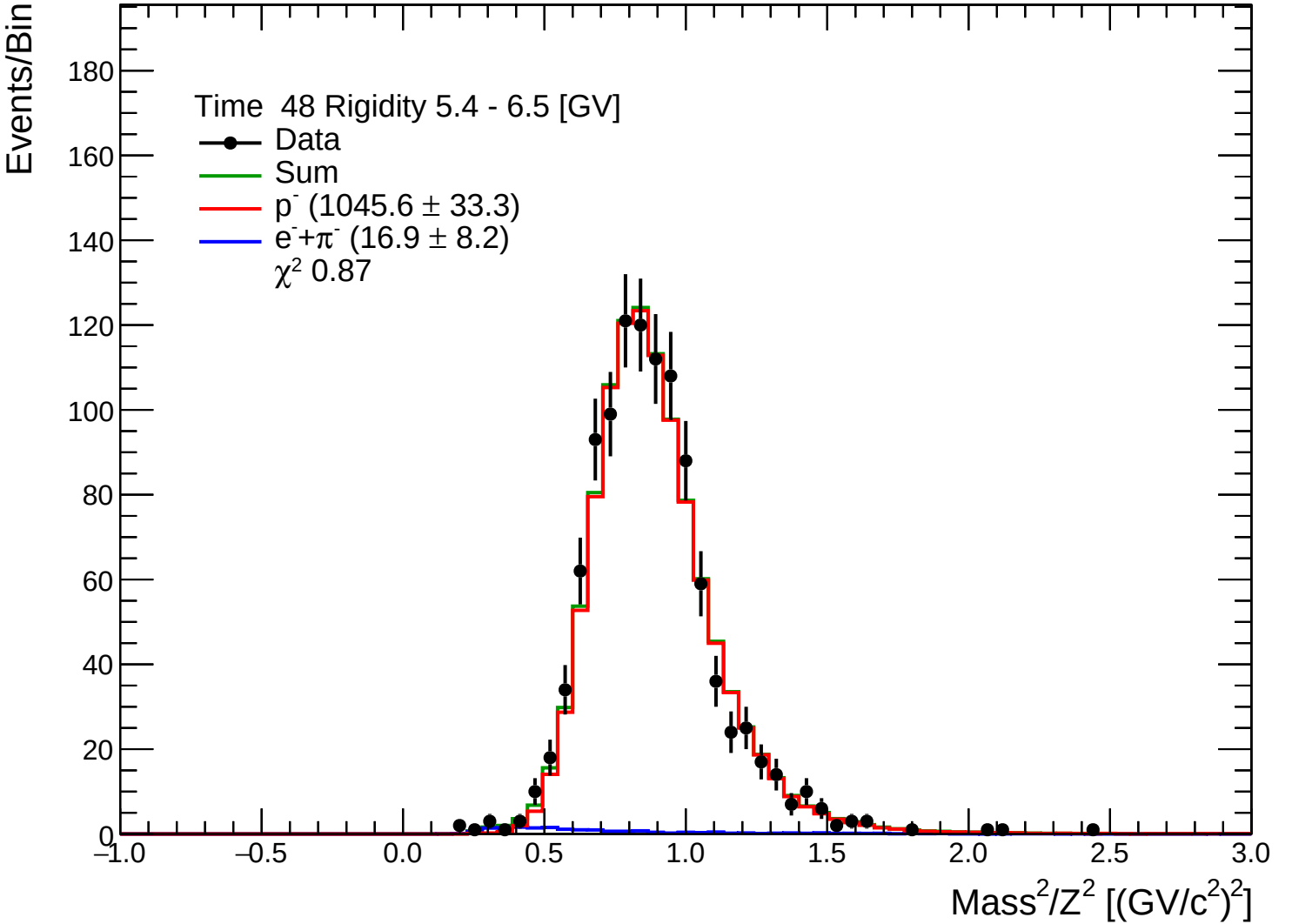

Events/Bin
400
350
300
250
200
150
100
50
0
924
926
928
930
932
934
Number [Temp 0]

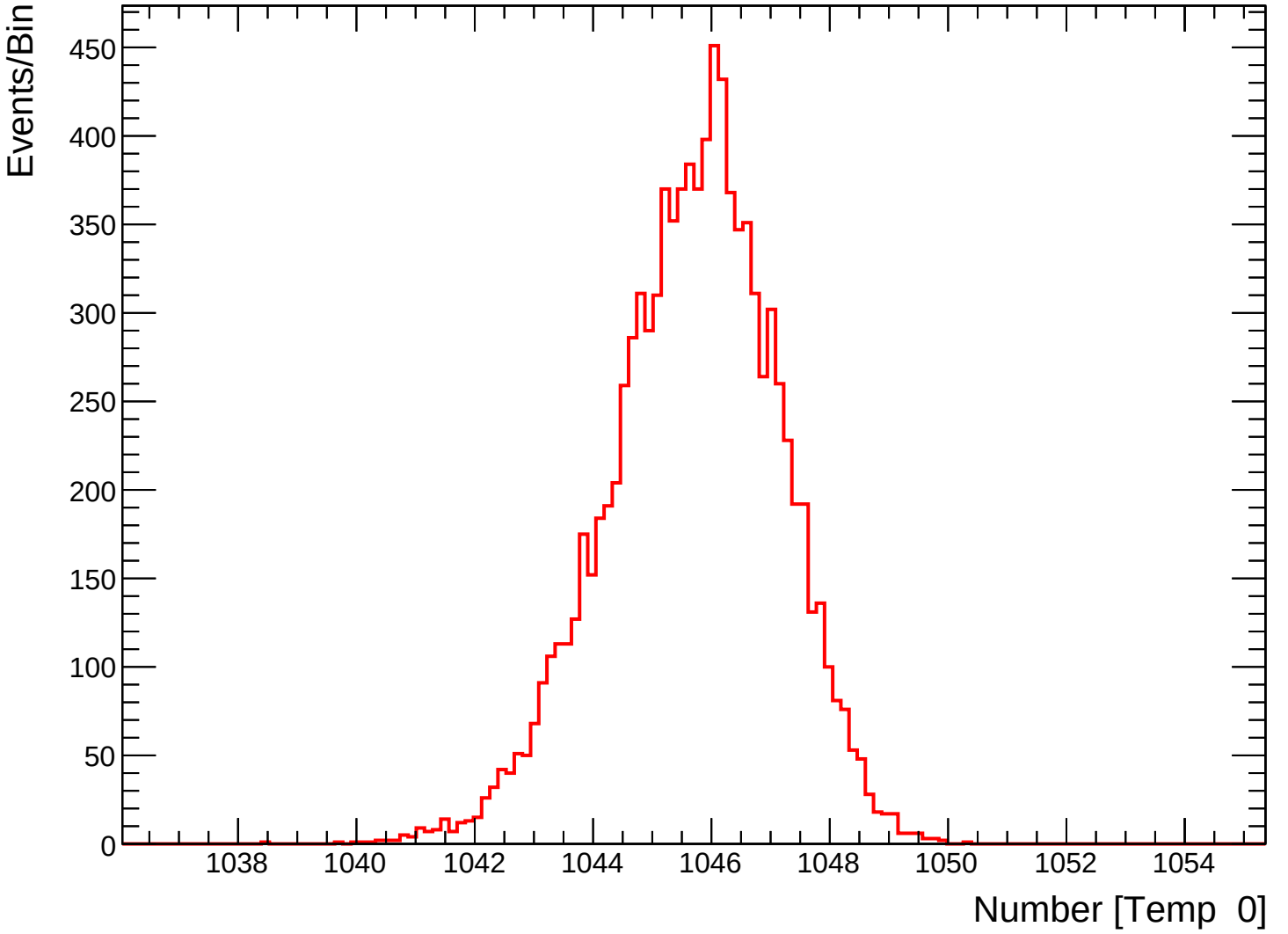

Time 48 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (437.3 ± 25.6)
e⁻+π⁻ (25.0 ± 15.5)
χ² 1.11
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

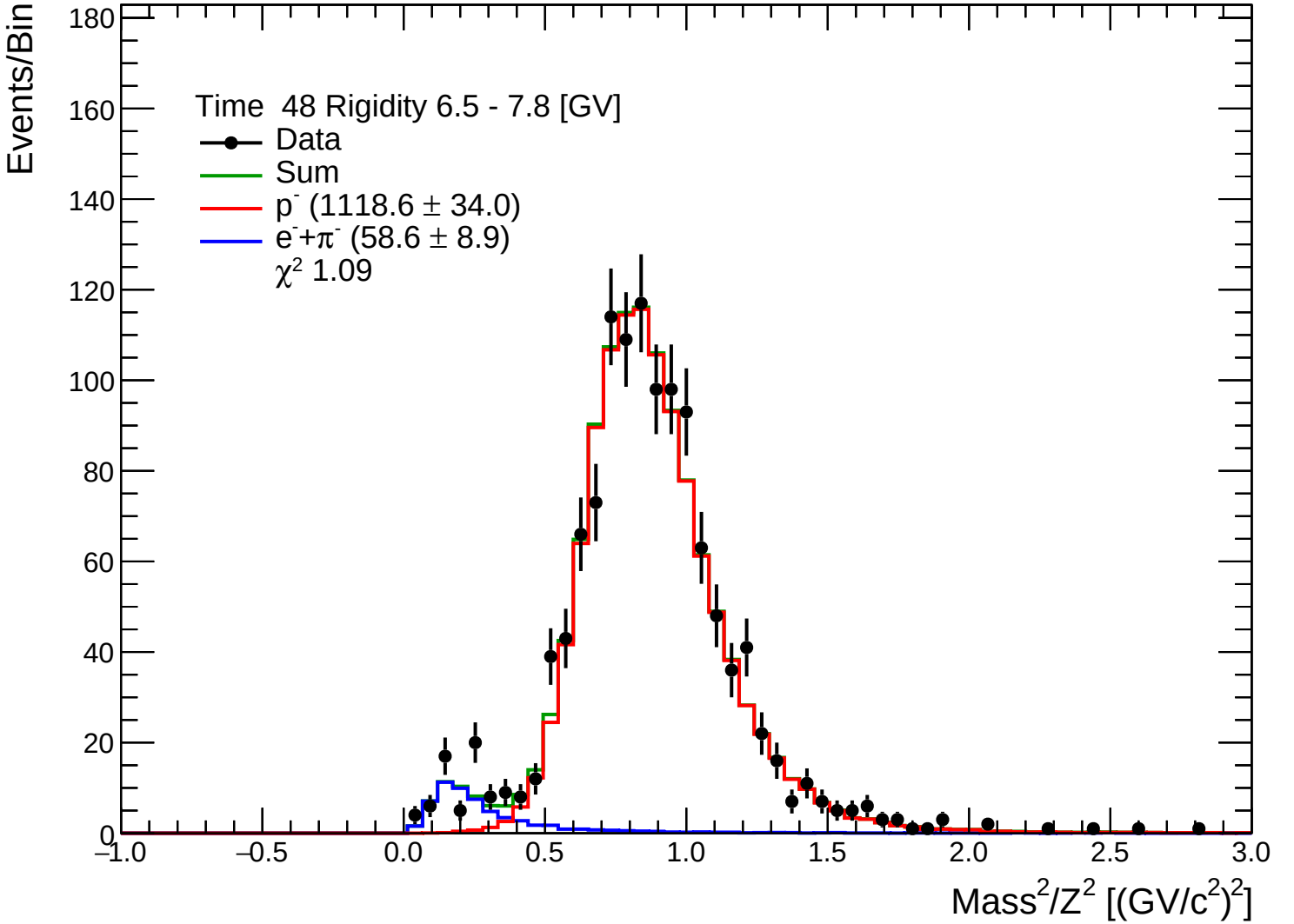

Events/Bin
450
400
350
300
250
200
150
100
50
0
425
430
435
440
445
450
455
Number [Temp 0]

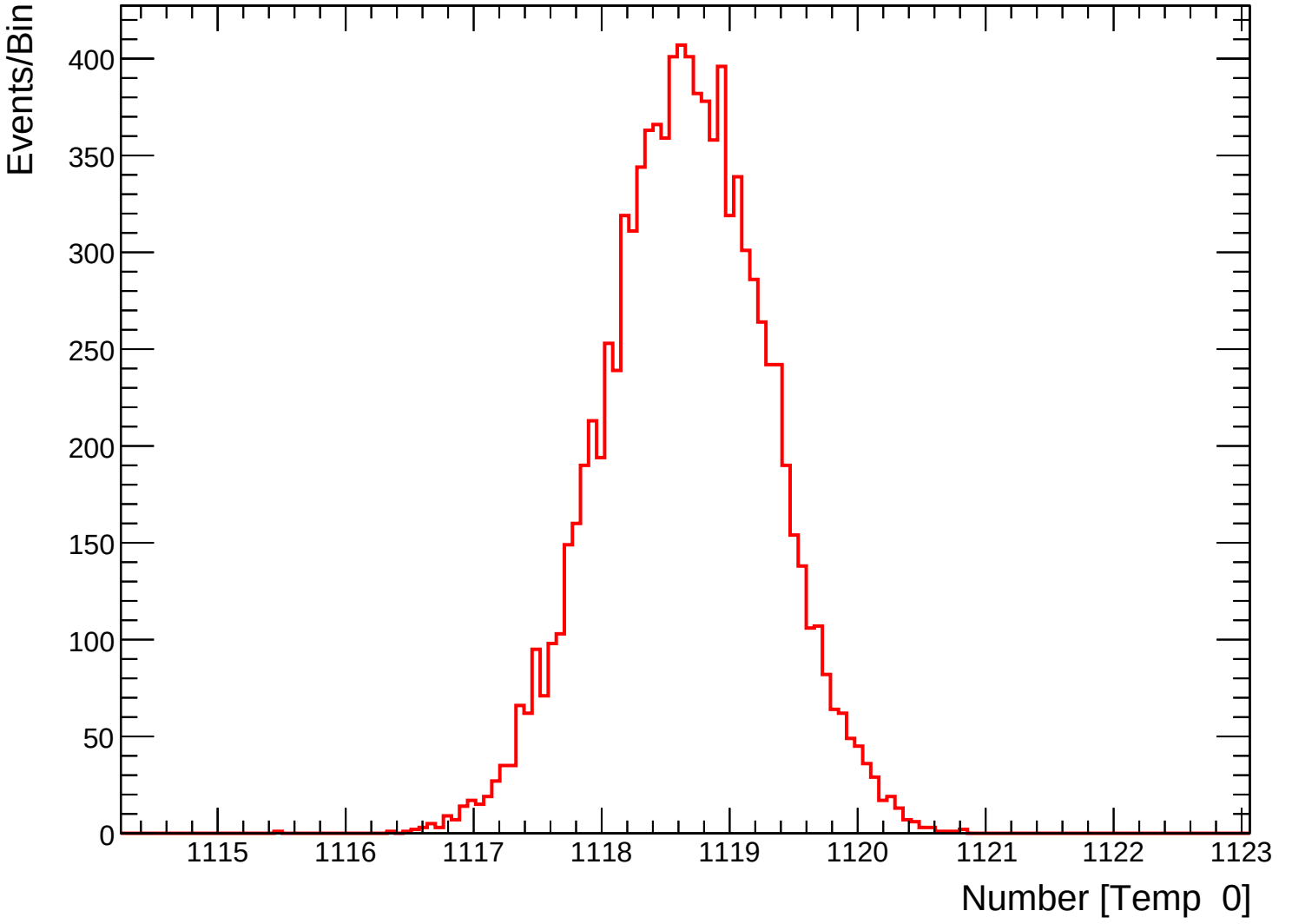

Time 48 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (863.3 ± 31.3)
e⁻+π⁻ (6.3 ± 10.6)
χ² 0.95
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

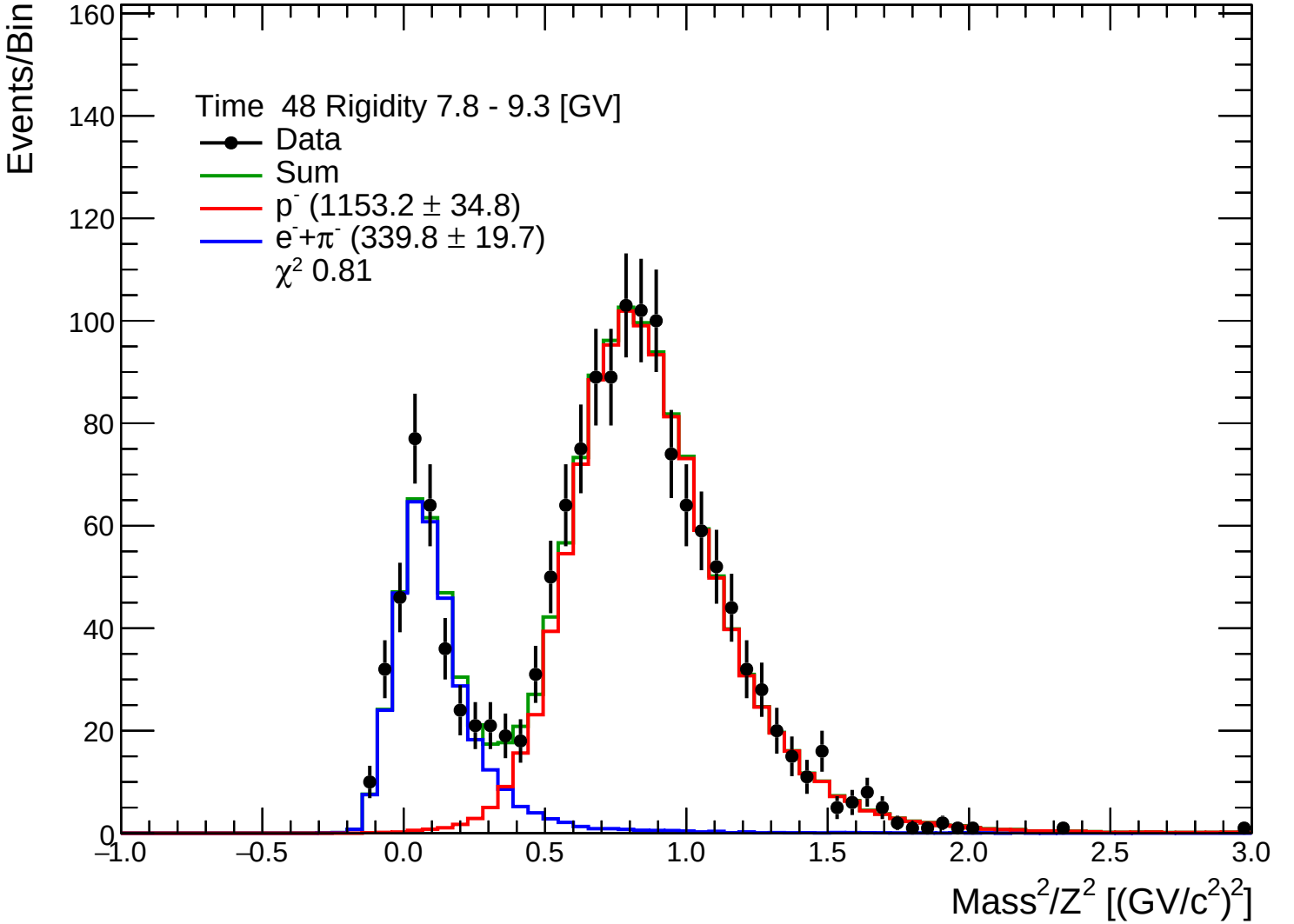

Events/Bin
450
400
350
300
250
200
150
100
50
0
854
856
858
860
862
864
866
868
870
872
Number [Temp 0]

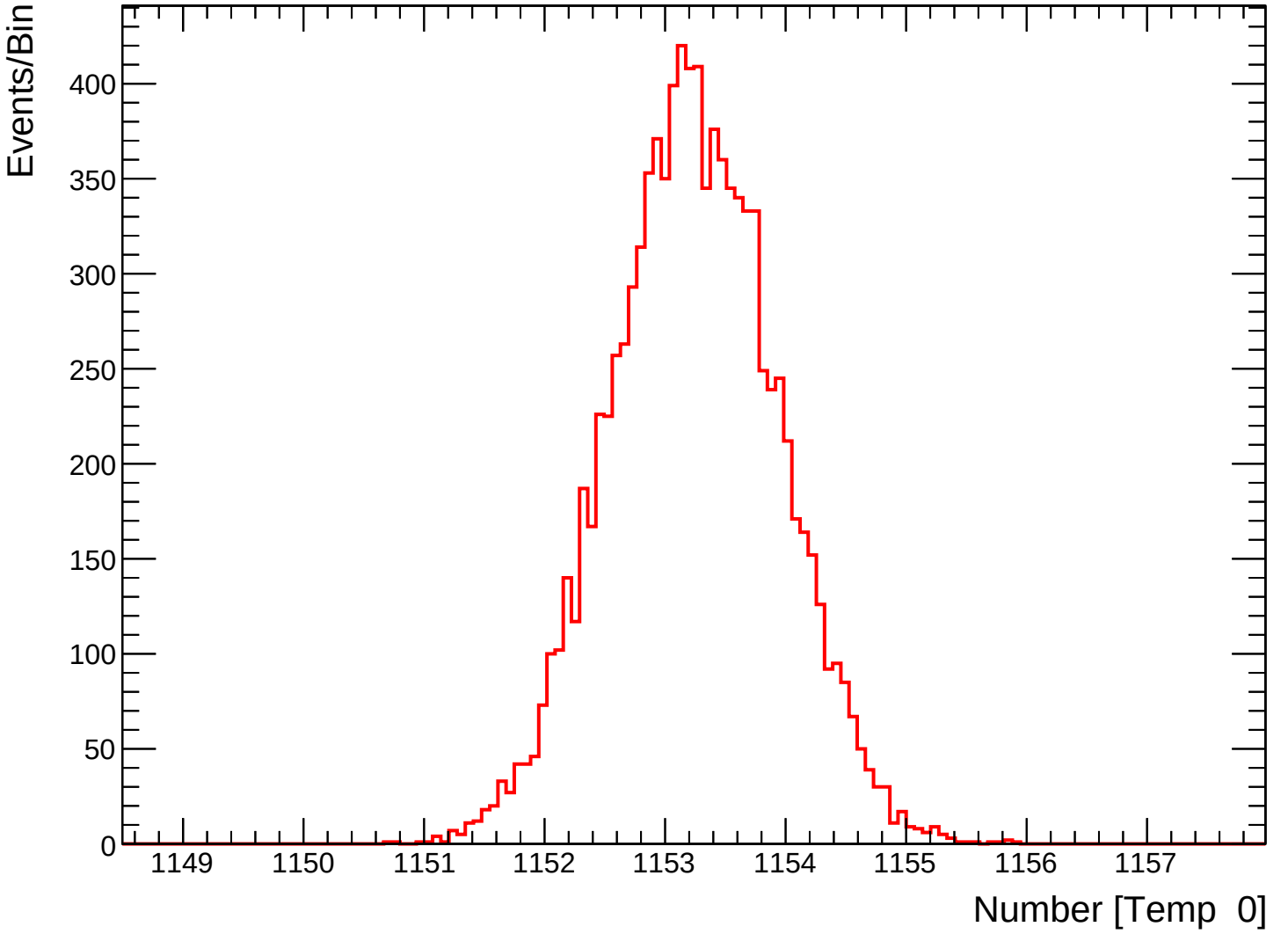

Time 48 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (1045.6 ± 33.3)
e⁻+π⁻ (16.9 ± 8.2)
χ² 0.87
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

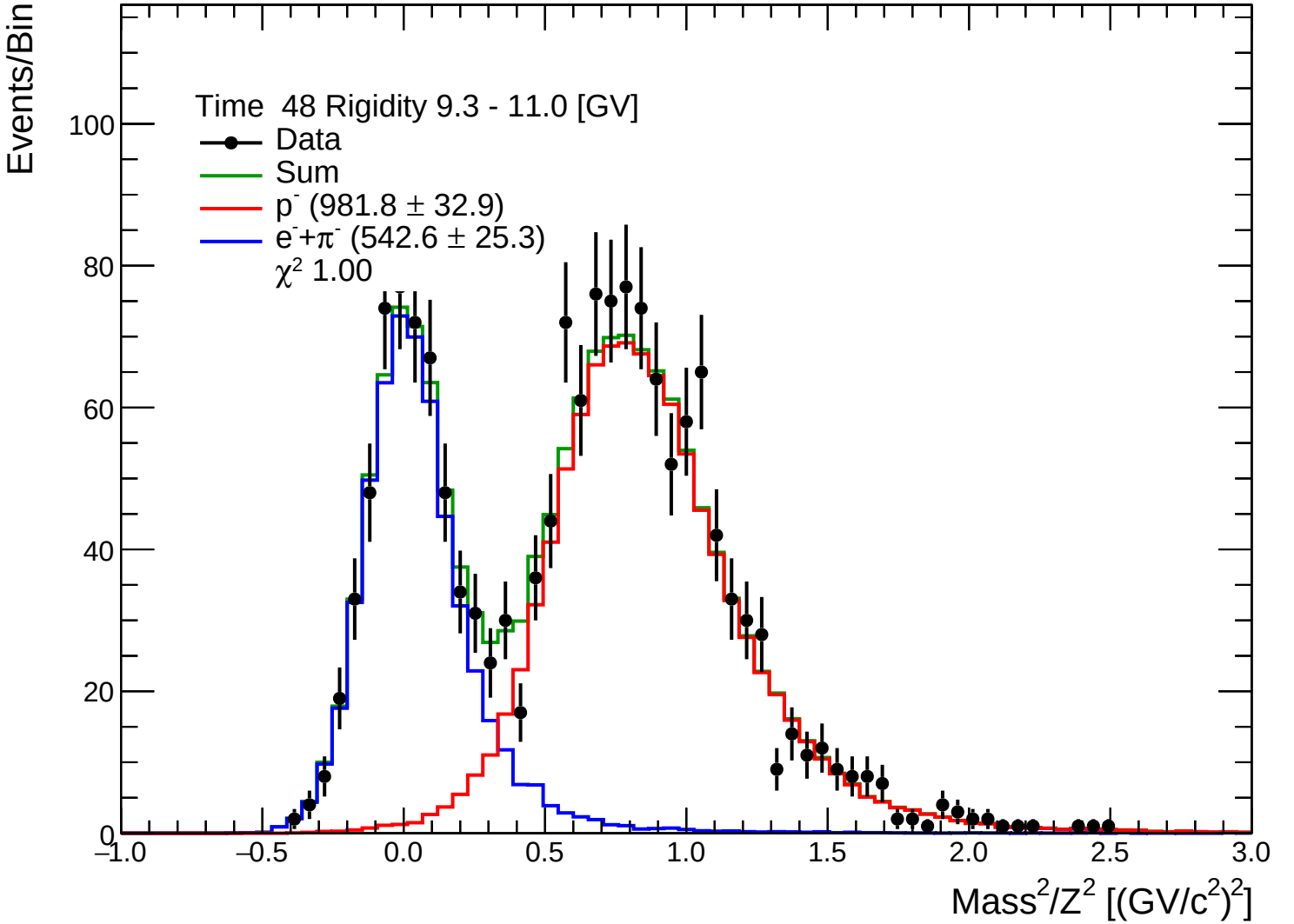

Events/Bin
450
400
350
300
250
200
150
100
50
0
1038
1040
1042
1044
1046
1048
1050
1052
1054
Number [Temp 0]

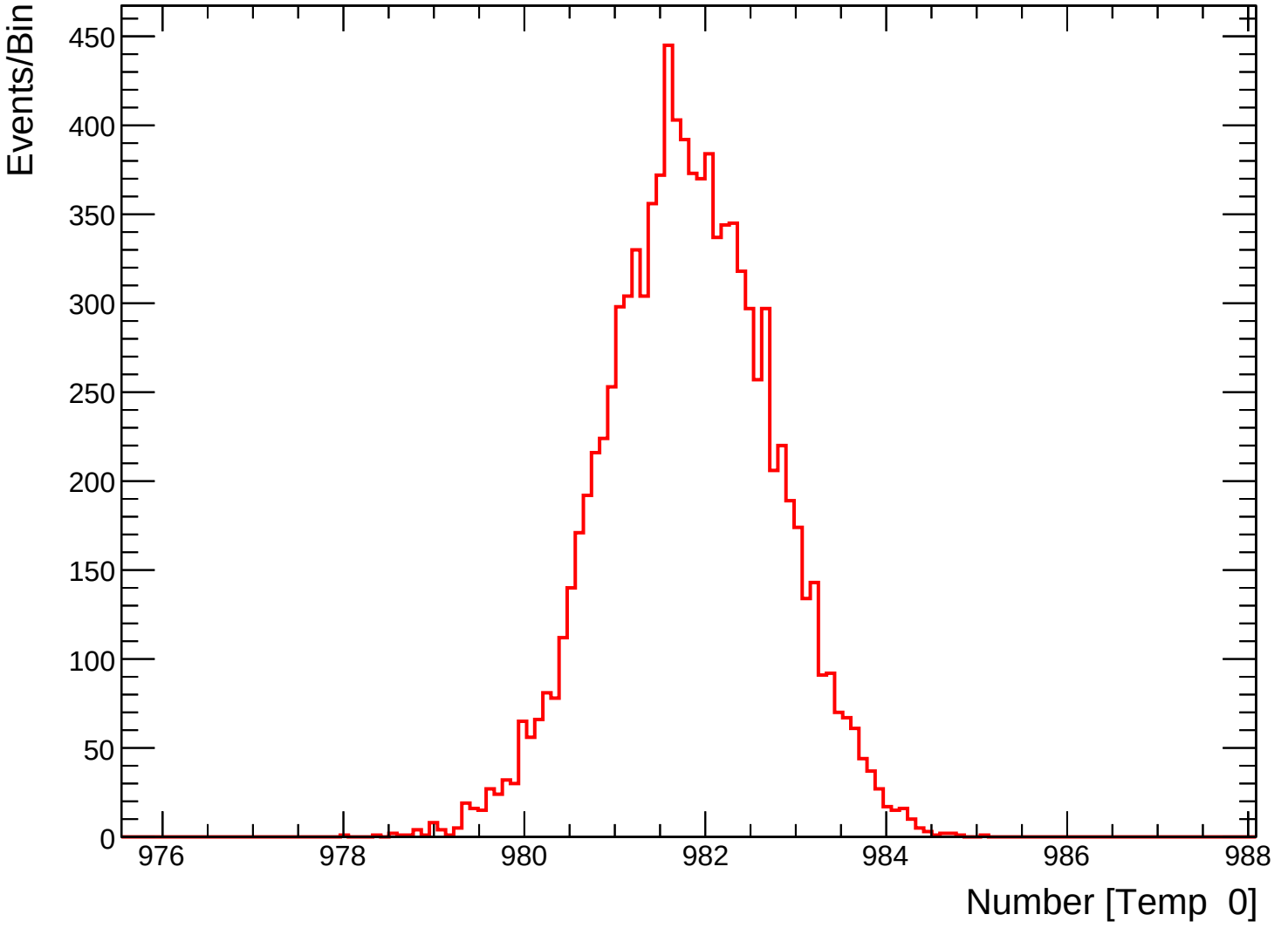

Time 48 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1118.6 ± 34.0)
e⁻+π⁻ (58.6 ± 8.9)
χ² 1.09
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

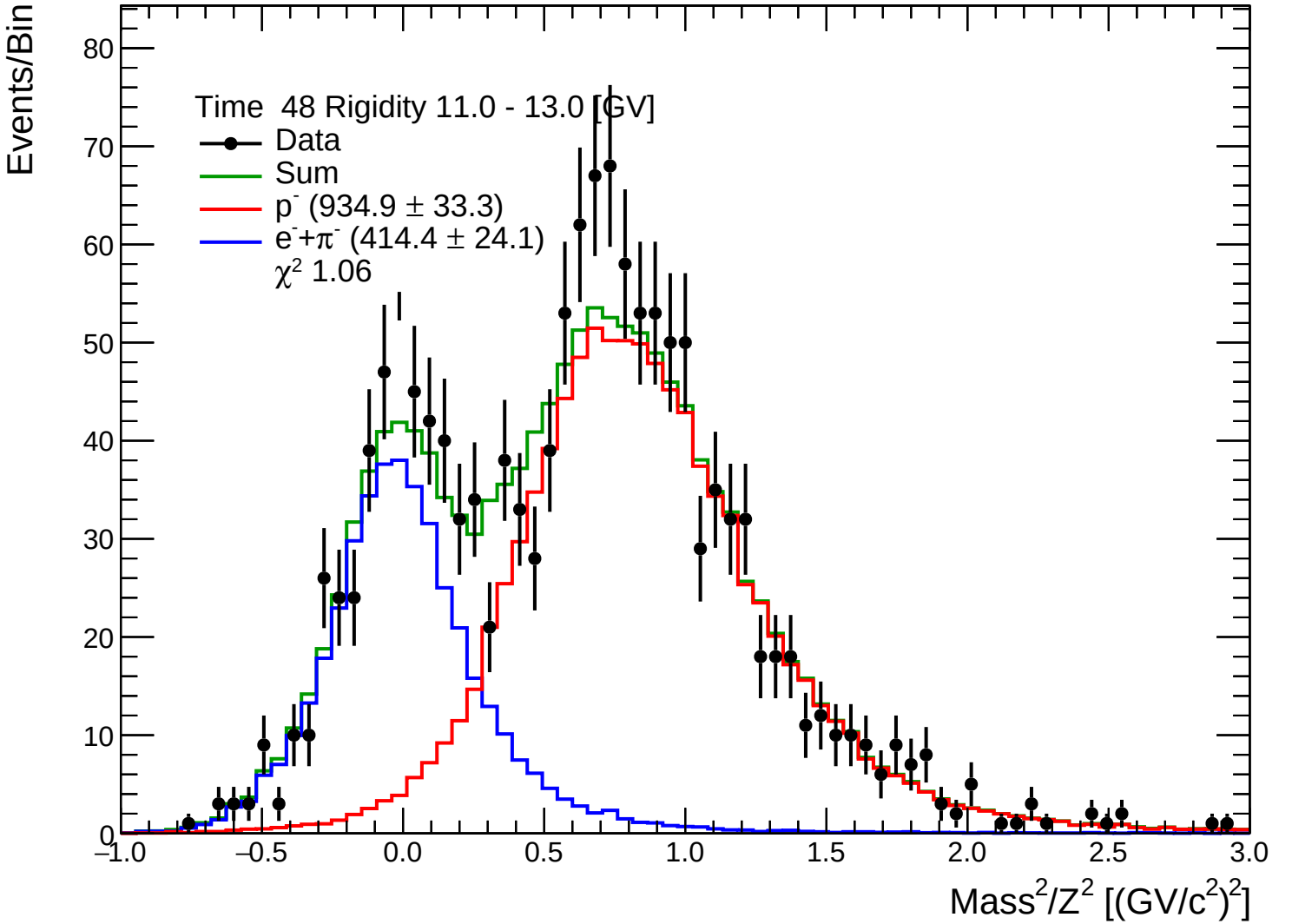

Events/Bin
400
350
300
250
200
150
100
50
0
1115
1116
1117
1118
1119
1120
1121
1122
1123
Number [Temp 0]

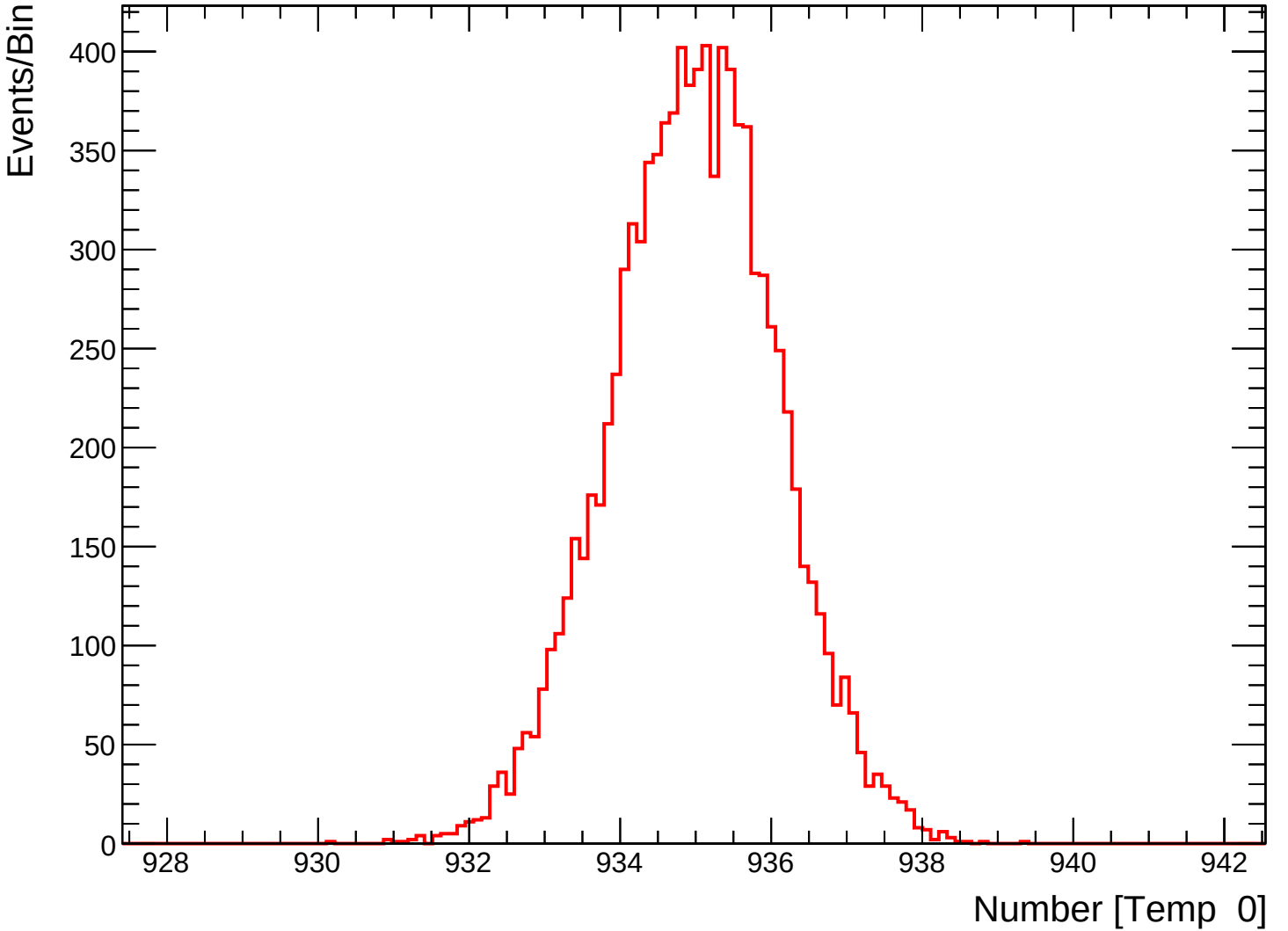

Time 48 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1153.2 ± 34.8)
e⁻+π⁻ (339.8 ± 19.7)
χ² 0.81
Events/Bin
Mass²/Z² [(GV/c²)²]
160
140
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

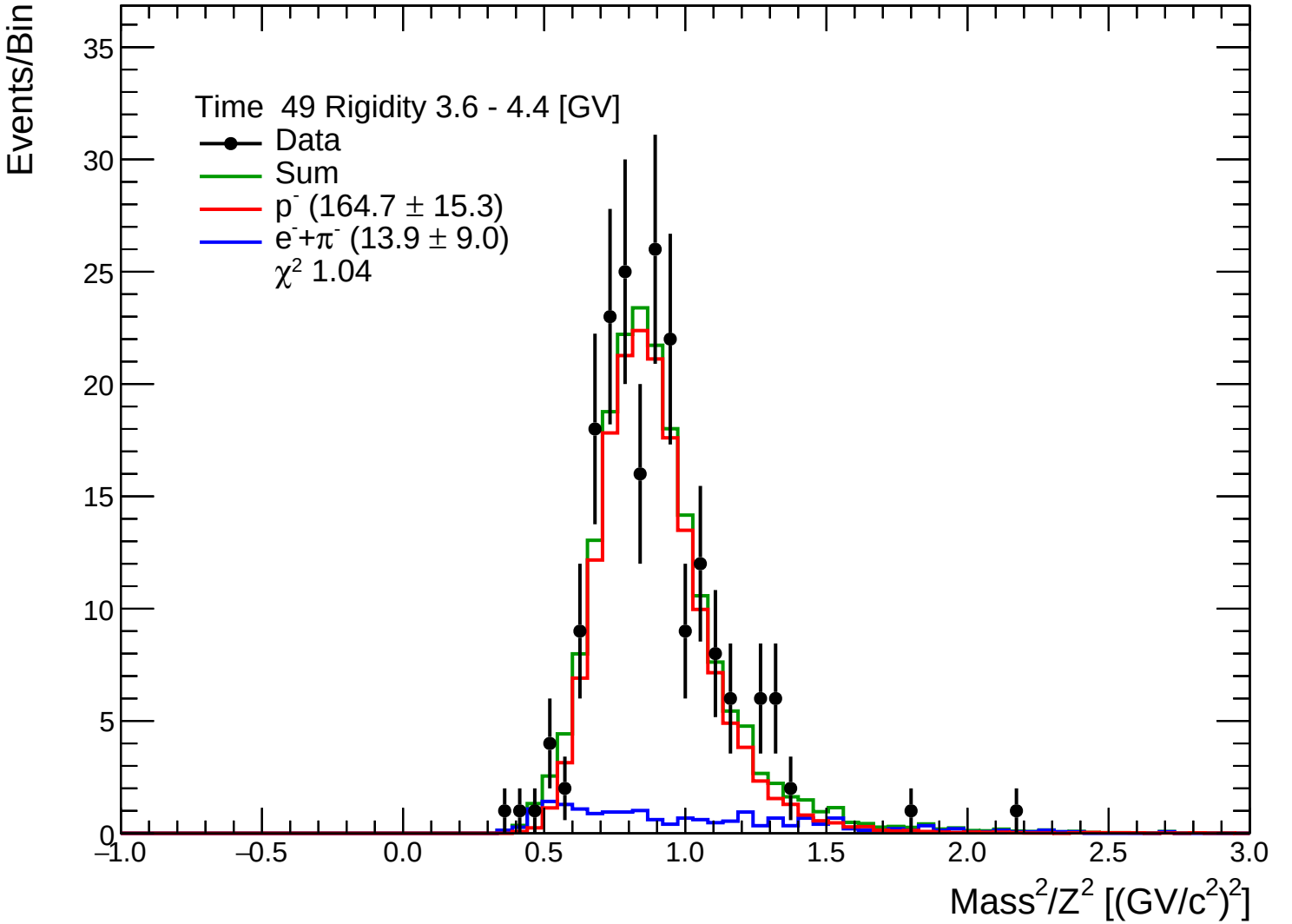

Events/Bin
400
350
300
250
200
150
100
50
0
1149
1150
1151
1152
1153
1154
1155
1156
1157
Number [Temp 0]

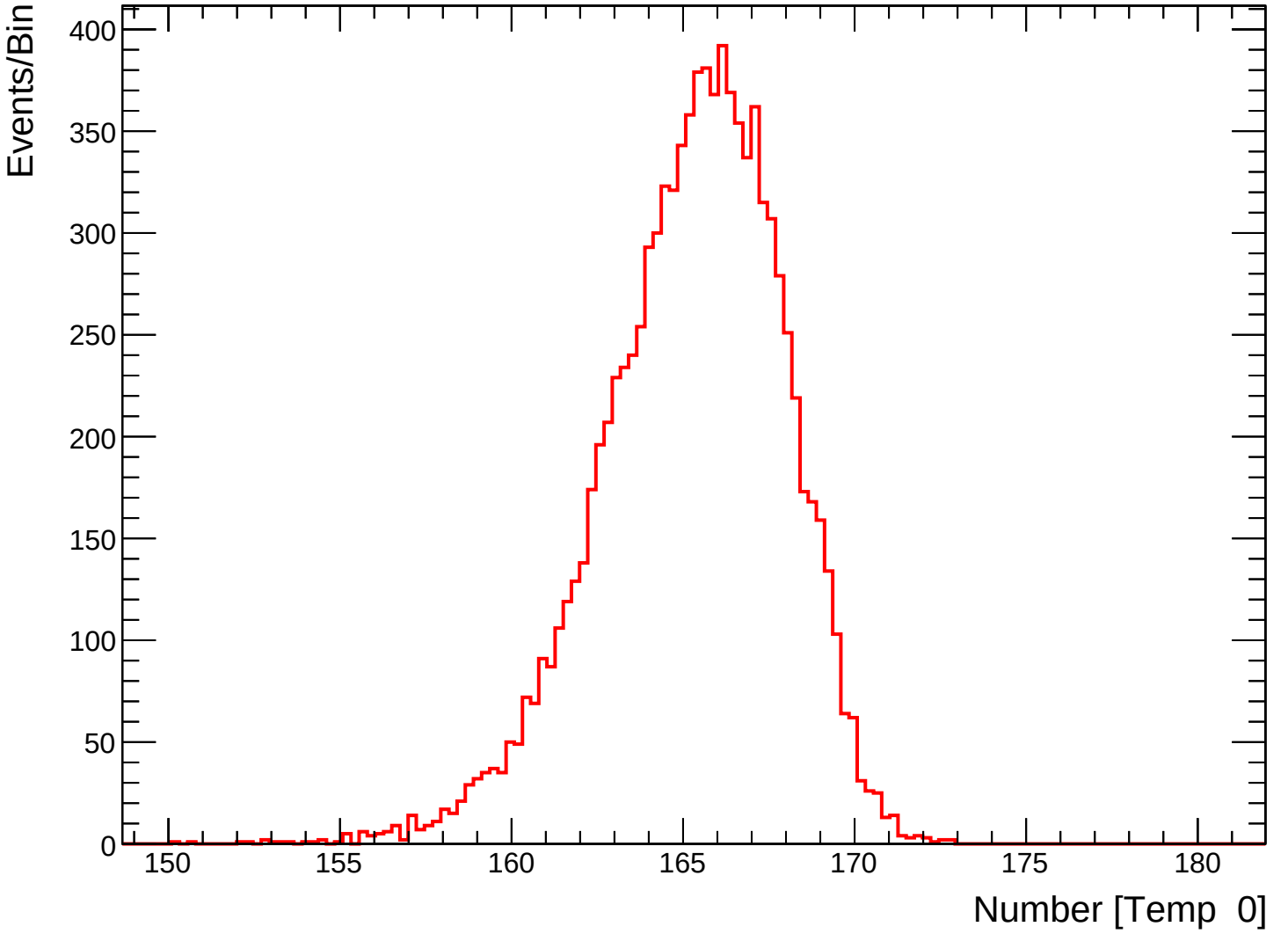

Time 48 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (981.8 ± 32.9)
e⁻+π⁻ (542.6 ± 25.3)
χ² 1.00
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

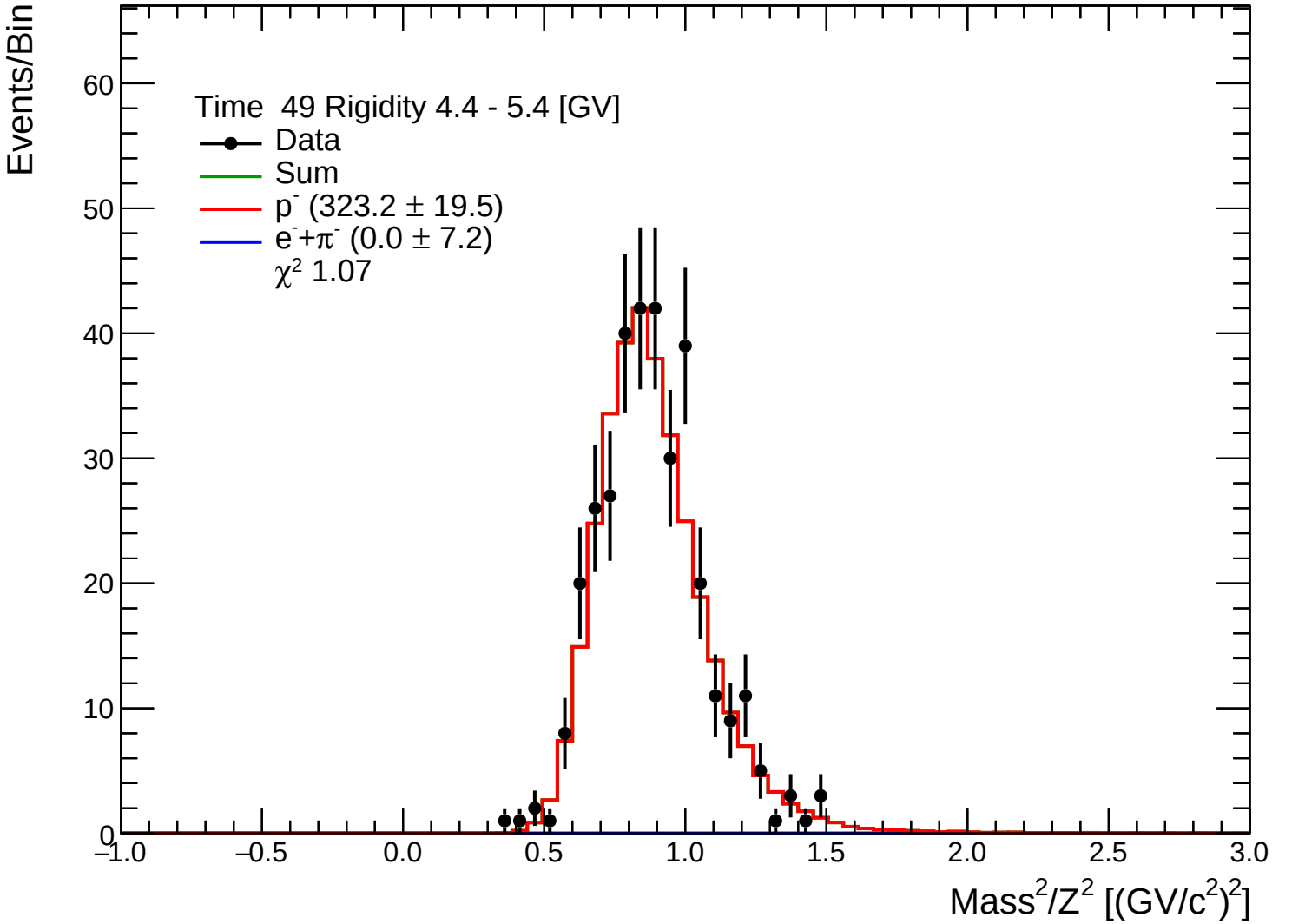

Events/Bin
450
400
350
300
250
200
150
100
50
0
976
978
980
982
984
986
988
Number [Temp 0]

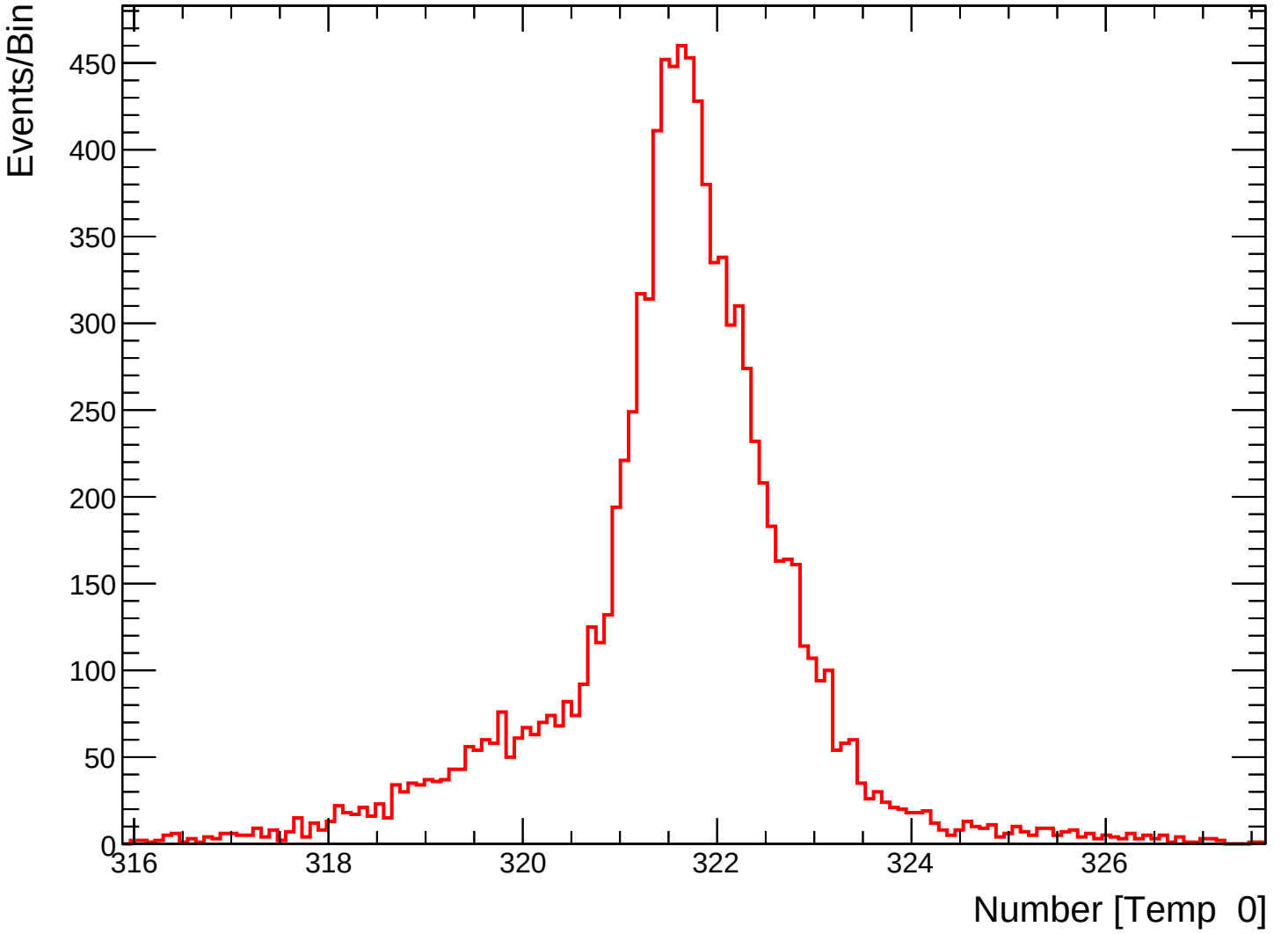

Time 48 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (934.9 ± 33.3)
e⁻+π⁻ (414.4 ± 24.1)
χ² 1.06
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

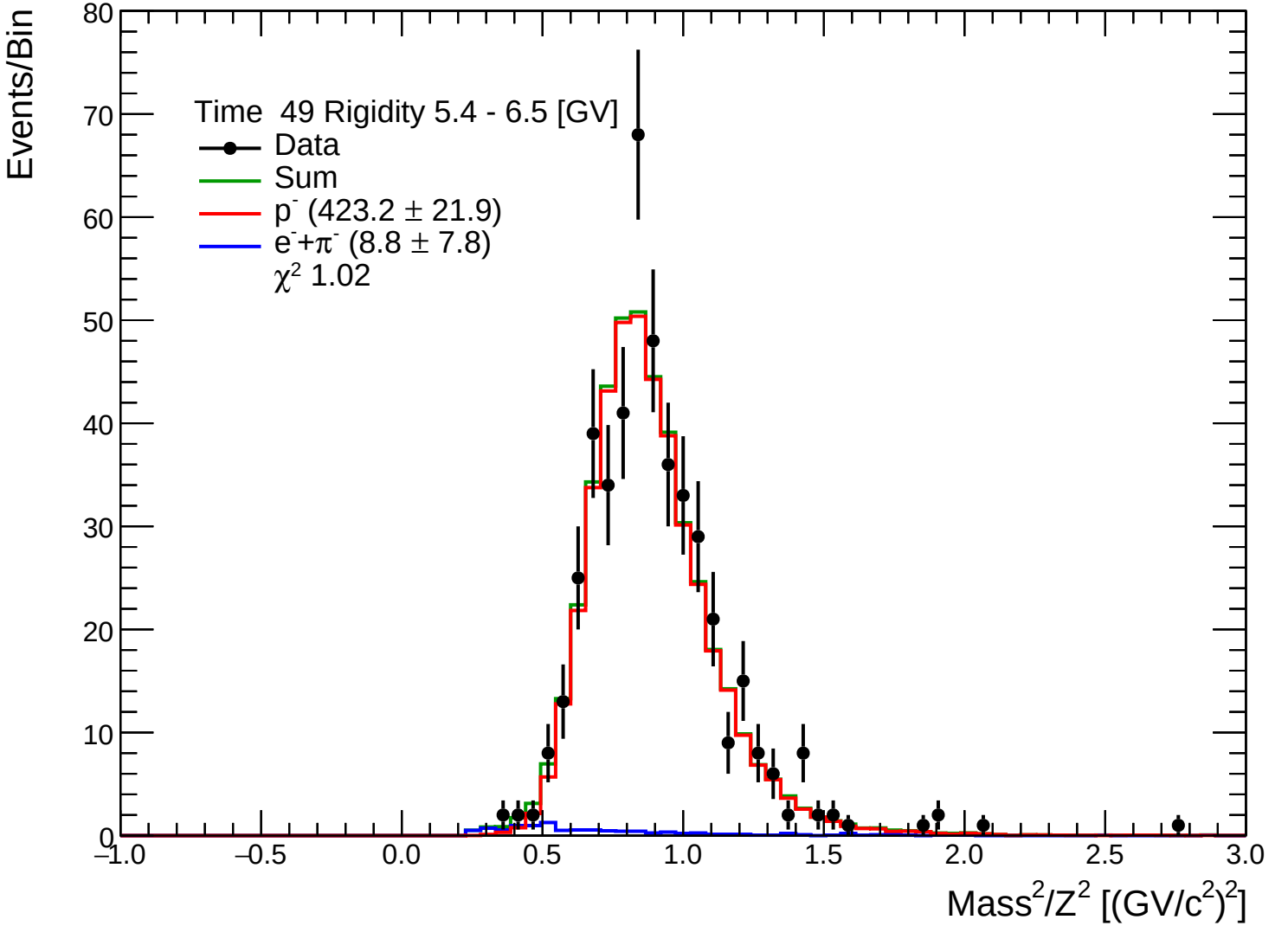

Events/Bin
400
350
300
250
200
150
100
50
0
928
930
932
934
936
938
940
942
Number [Temp 0]

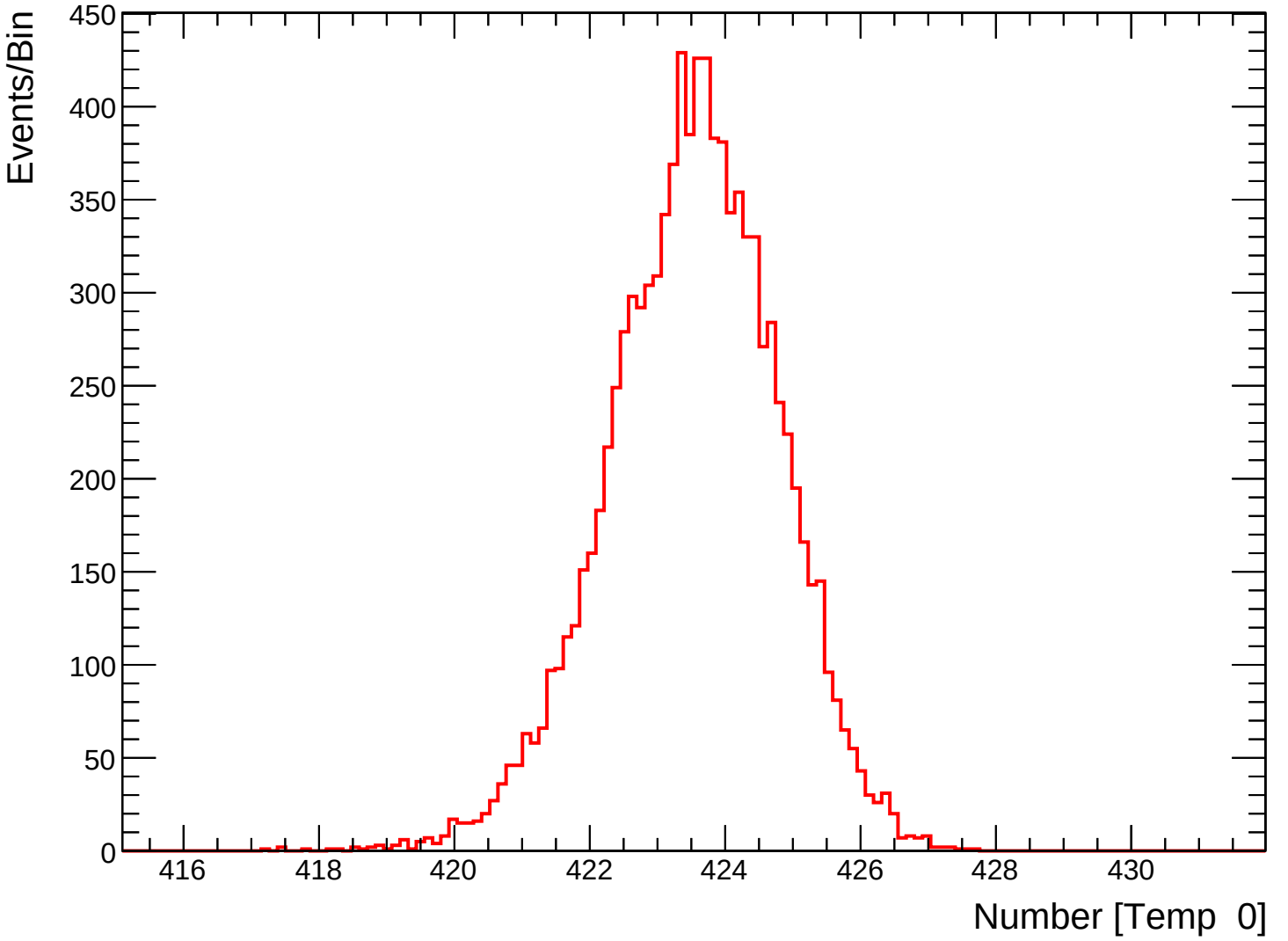

Time 49 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (164.7 ± 15.3)
e⁻+π⁻ (13.9 ± 9.0)
χ² 1.04
Events/Bin
Mass²/Z² [(GV/c²)²]
0
5
10
15
20
25
30
35
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

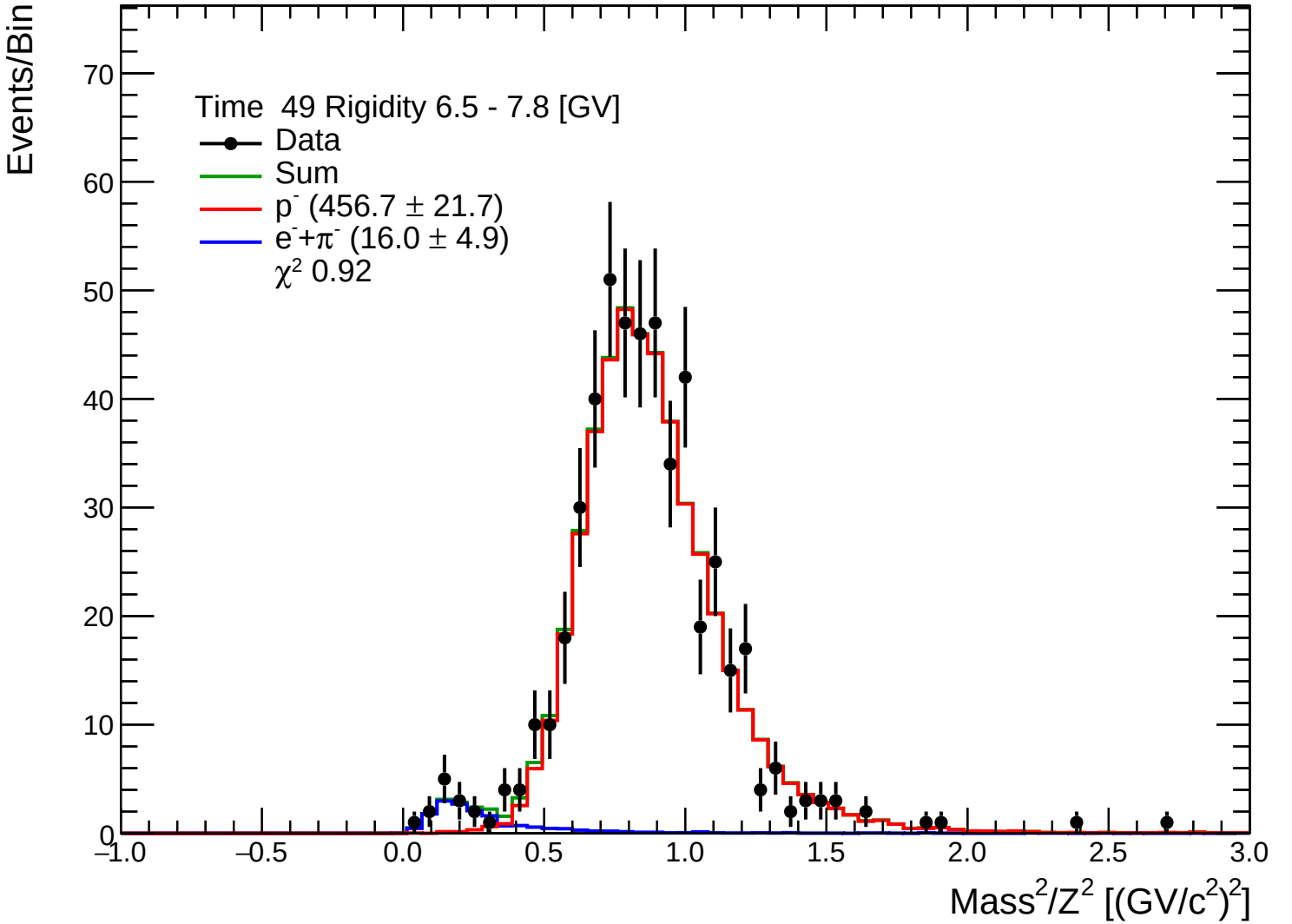

Events/Bin
400
350
300
250
200
150
100
50
0
150
155
160
165
170
175
180
Number [Temp 0]

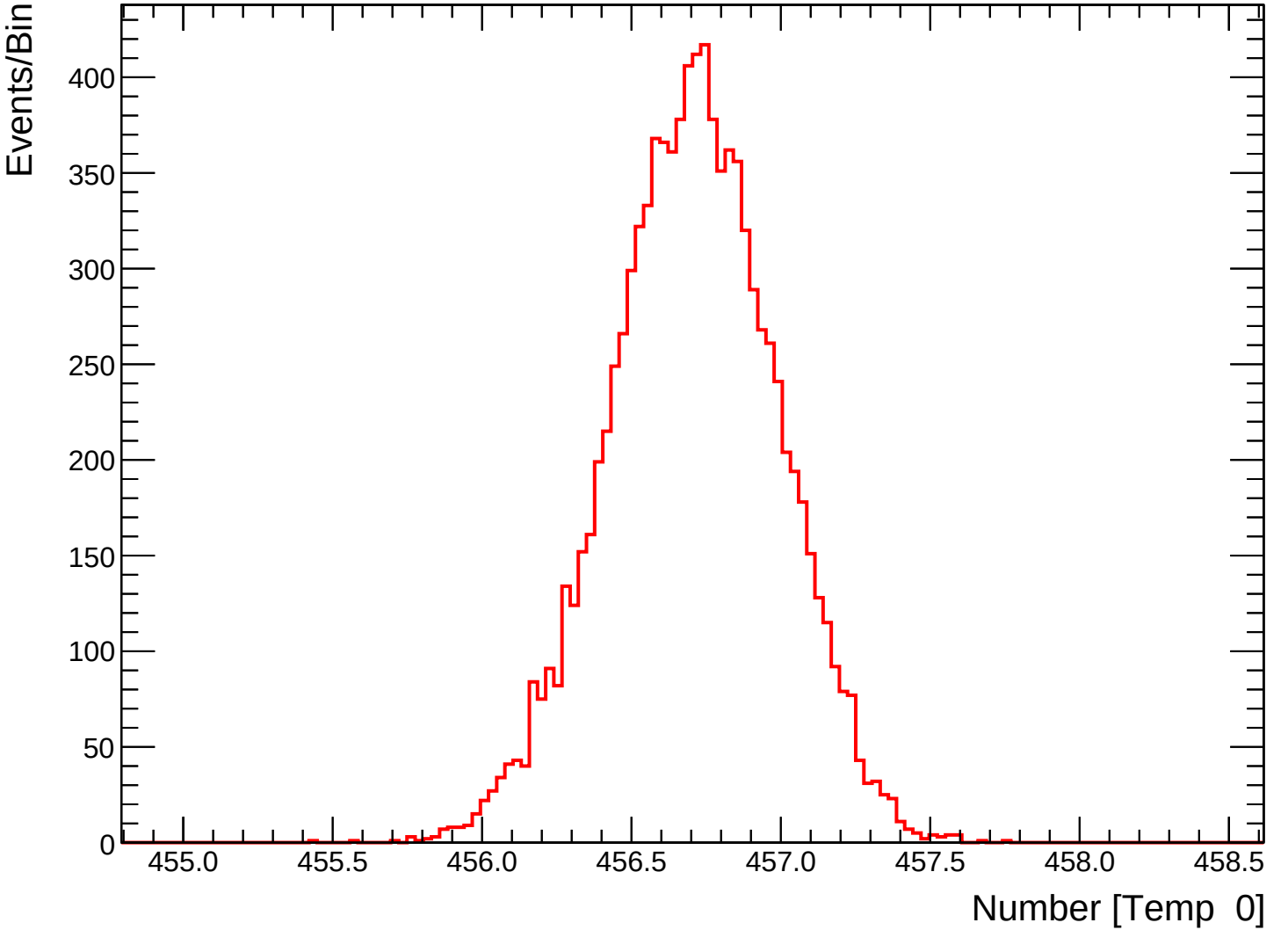

Time 49 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (323.2 ± 19.5)
e⁻+π⁻ (0.0 ± 7.2)
χ² 1.07
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

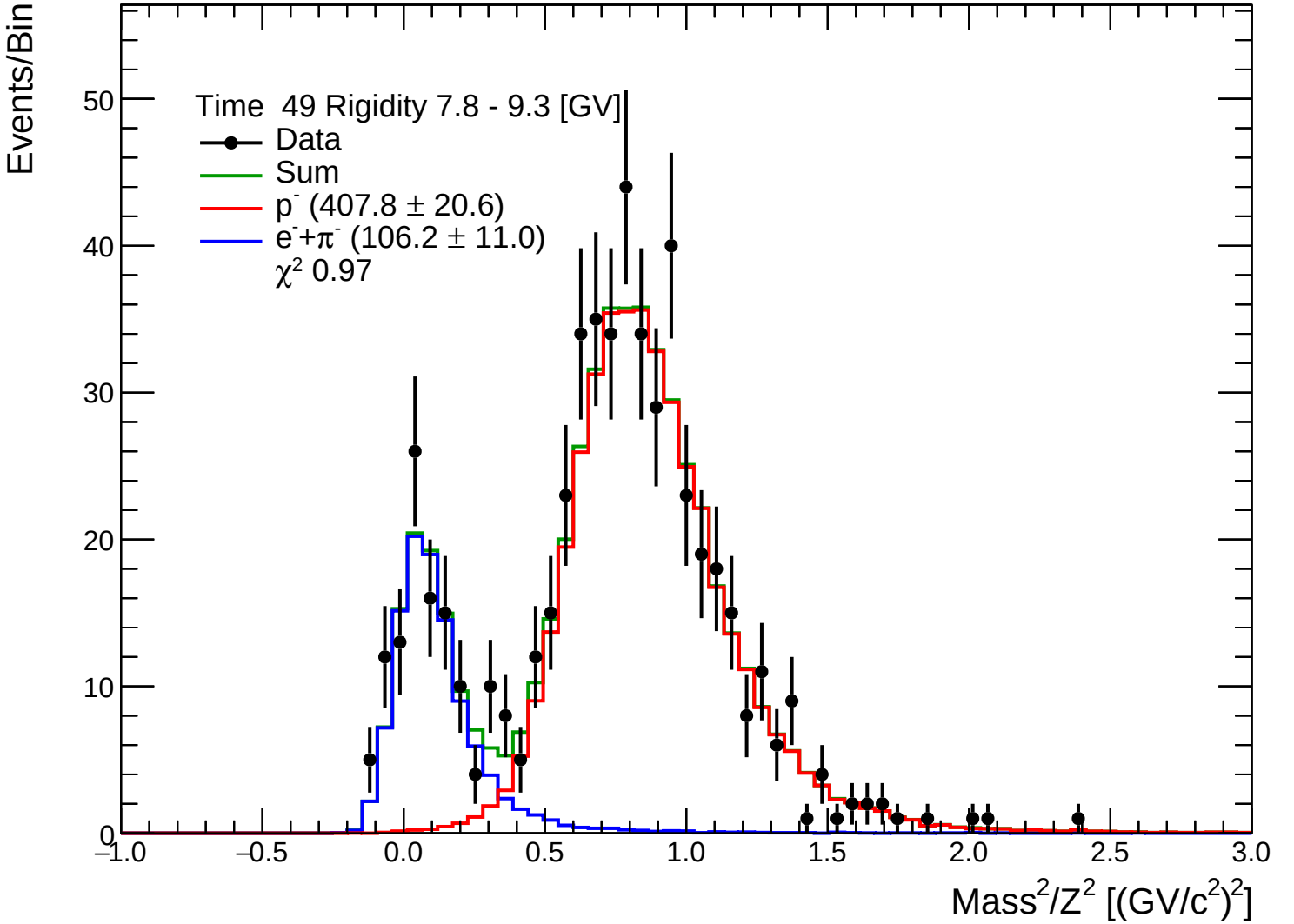

Events/Bin
450
400
350
300
250
200
150
100
50
0
316
318
320
322
324
326
Number [Temp 0]

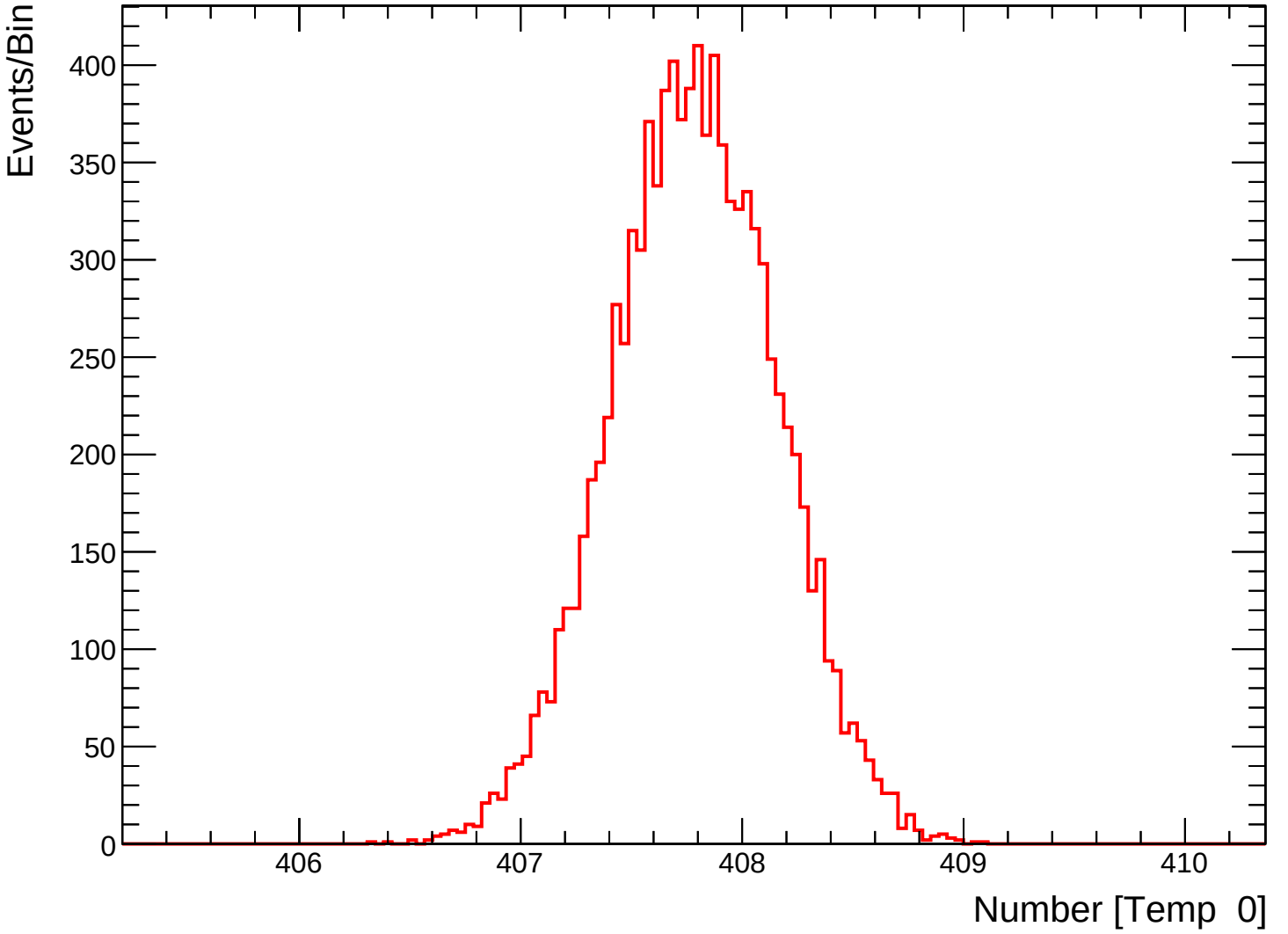

Time 49 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (423.2 ± 21.9)
e⁻+π⁻ (8.8 ± 7.8)
χ² 1.02
Events/Bin
Mass²/Z² [(GV/c²)²]
80
70
60
50
40
30
20
10
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

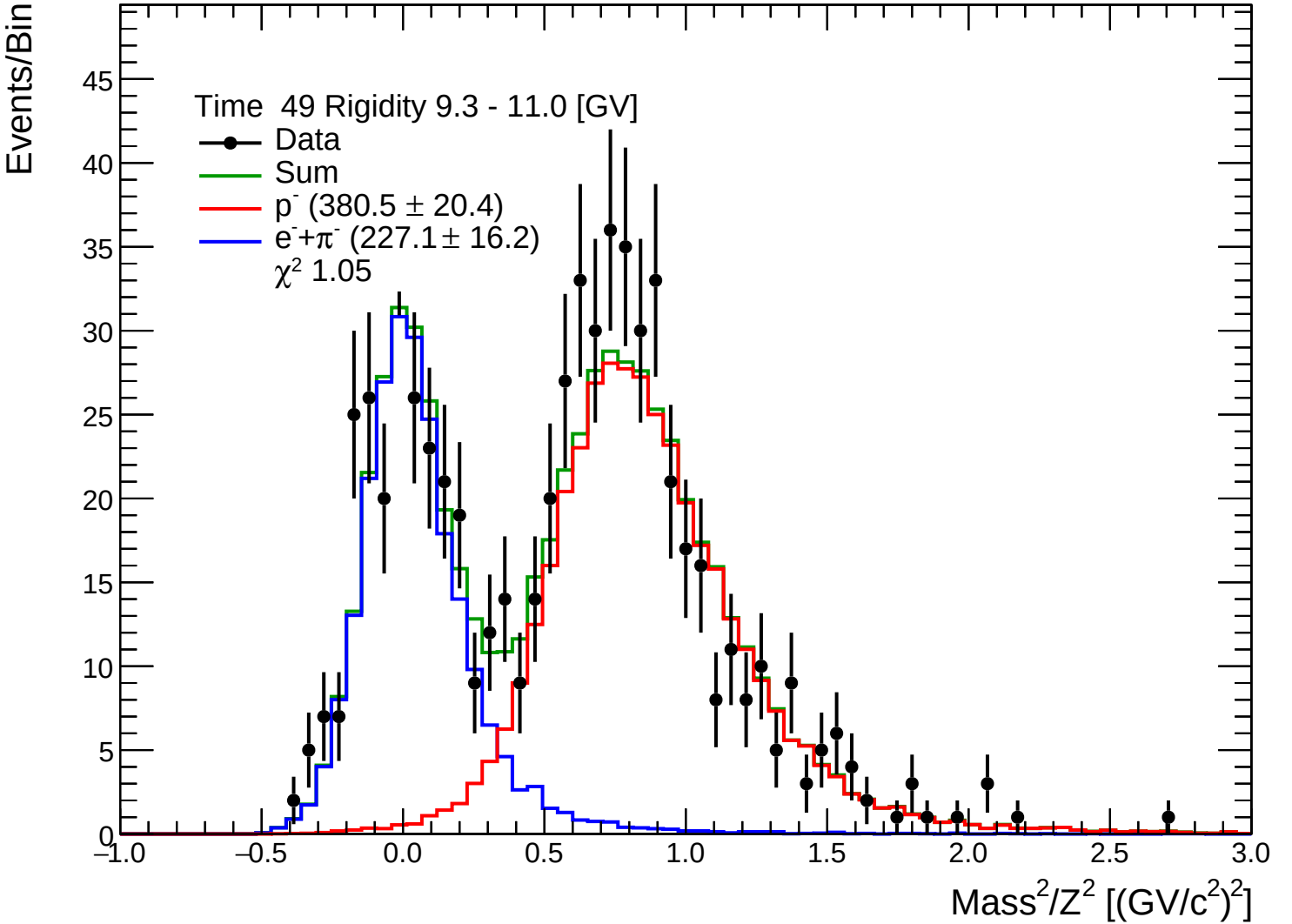

Events/Bin
450
400
350
300
250
200
150
100
50
0
416
418
420
422
424
426
428
430
Number [Temp 0]

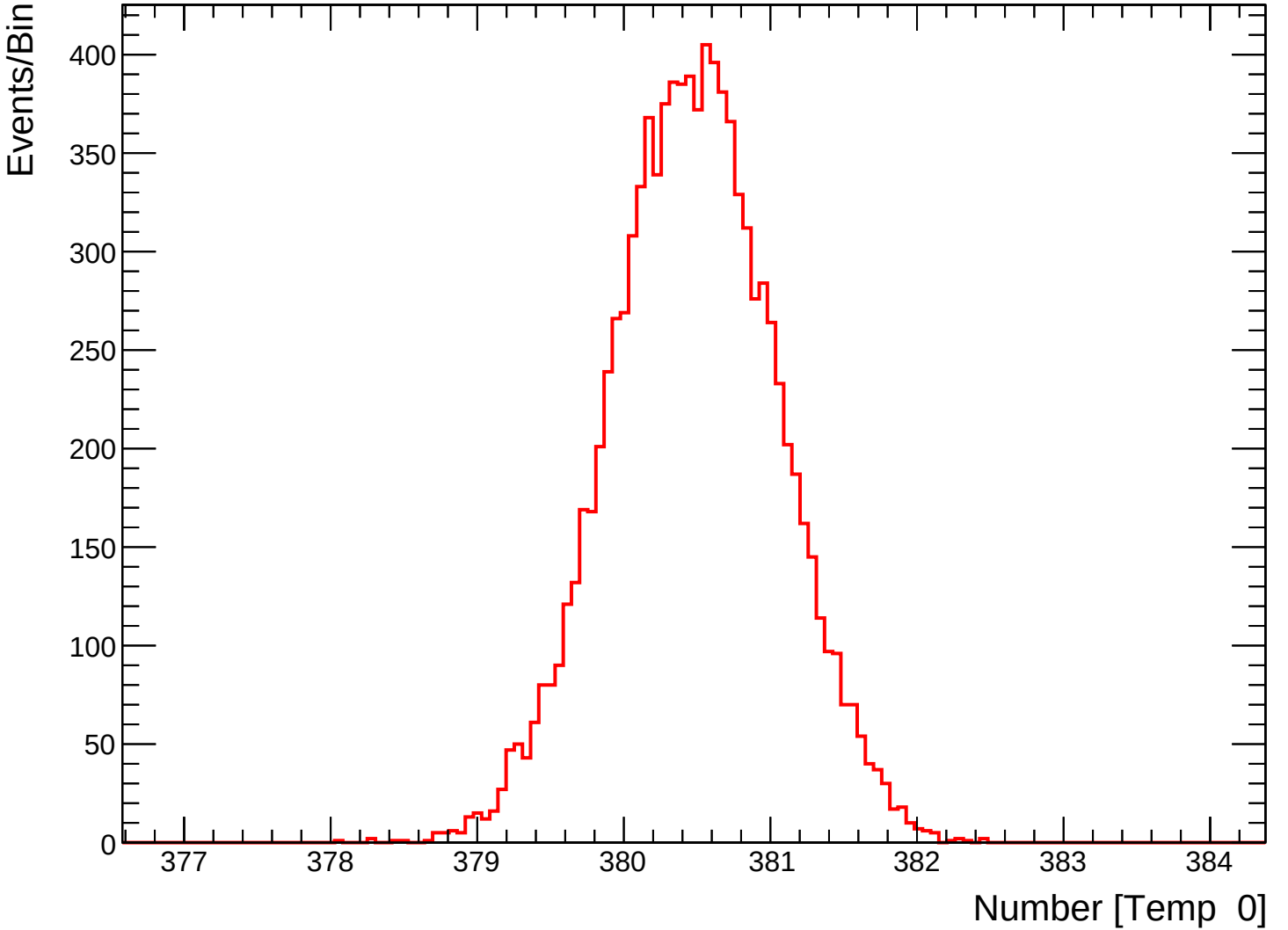

Time 49 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (456.7 ± 21.7)
e⁻+π⁻ (16.0 ± 4.9)
χ² 0.92
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

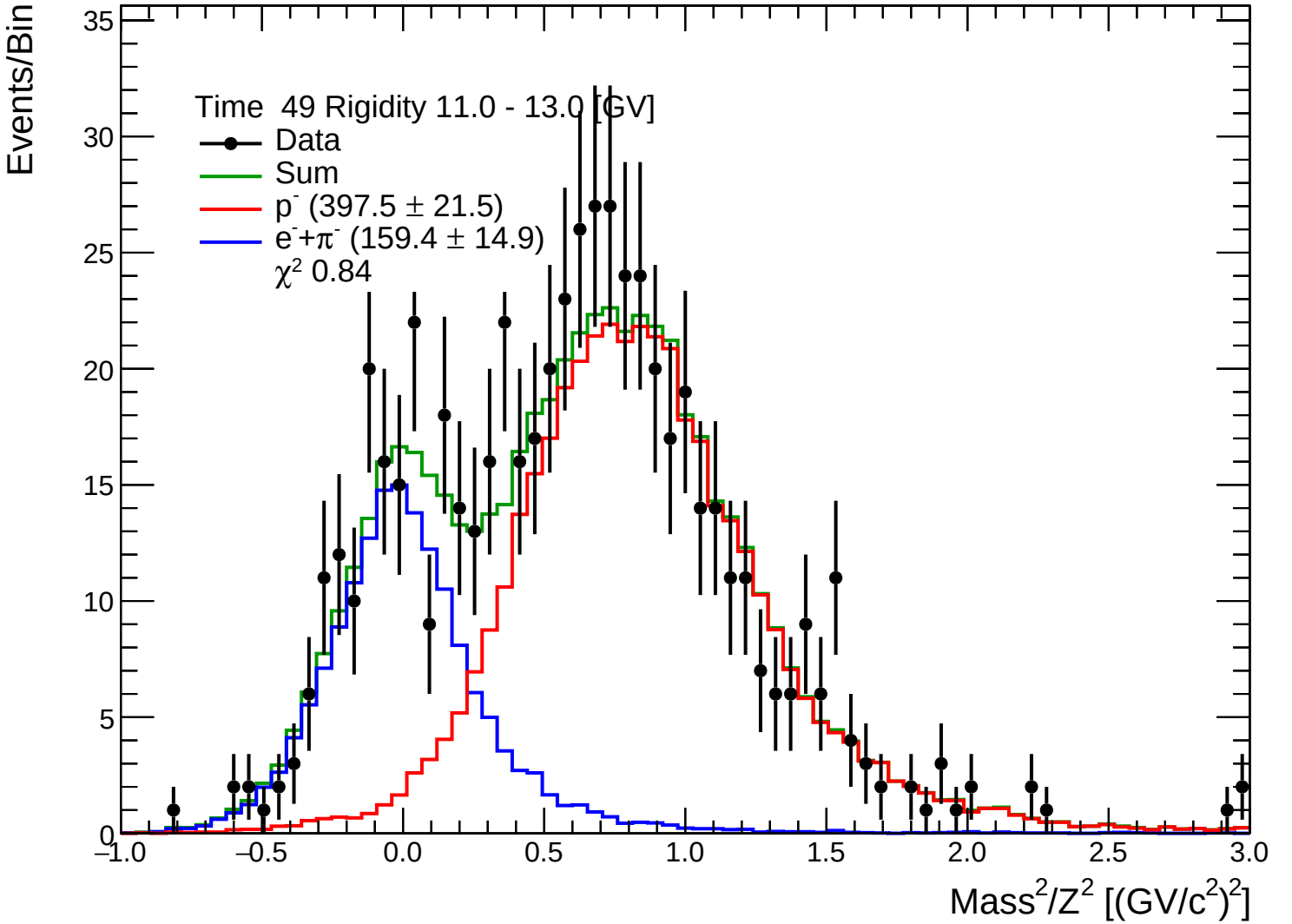

Events/Bin
400
350
300
250
200
150
100
50
0
455.0
455.5
456.0
456.5
457.0
457.5
458.0
458.5
Number [Temp 0]

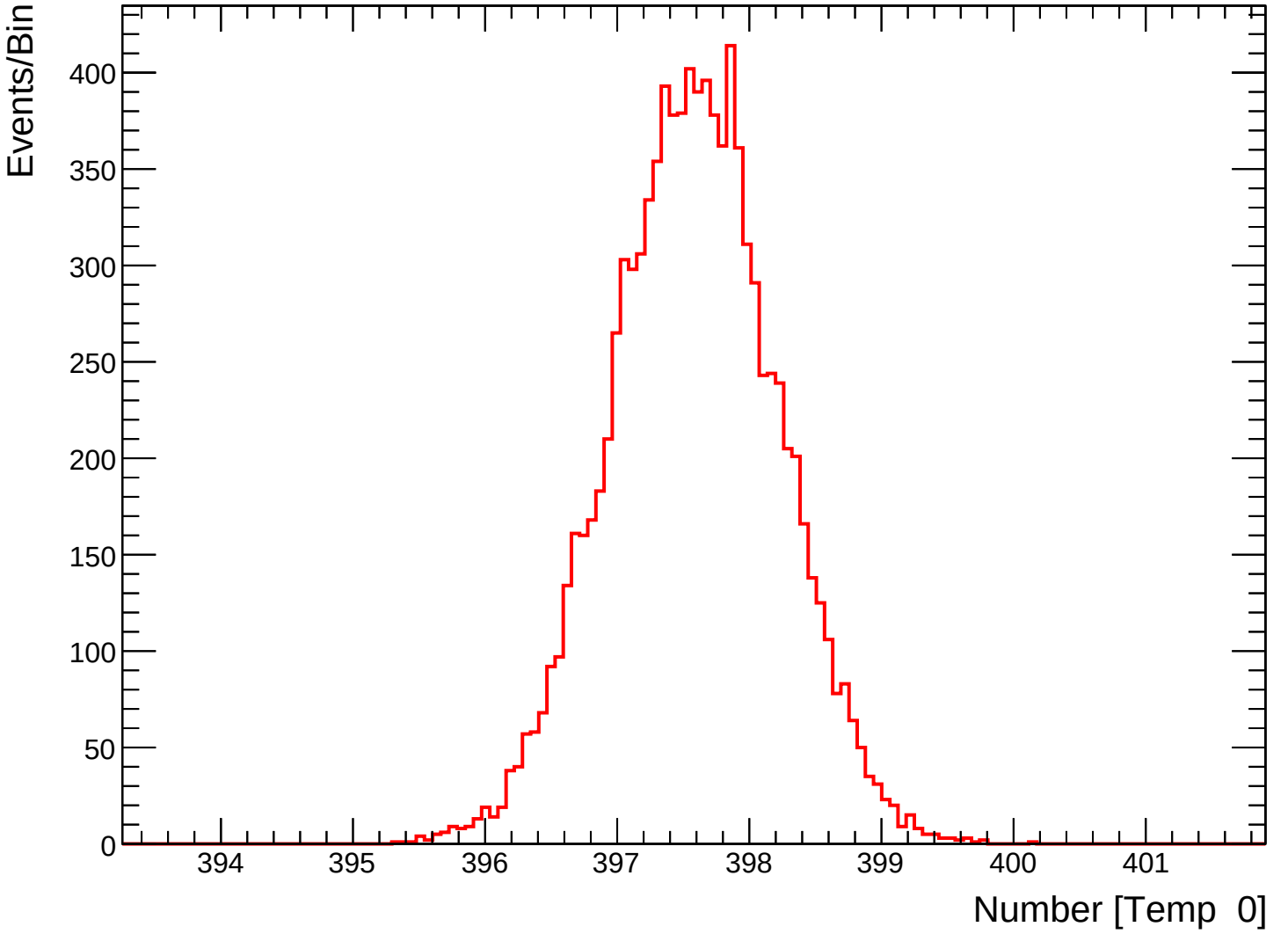

Time 49 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (407.8 ± 20.6)
e⁻+π⁻ (106.2 ± 11.0)
χ² 0.97
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

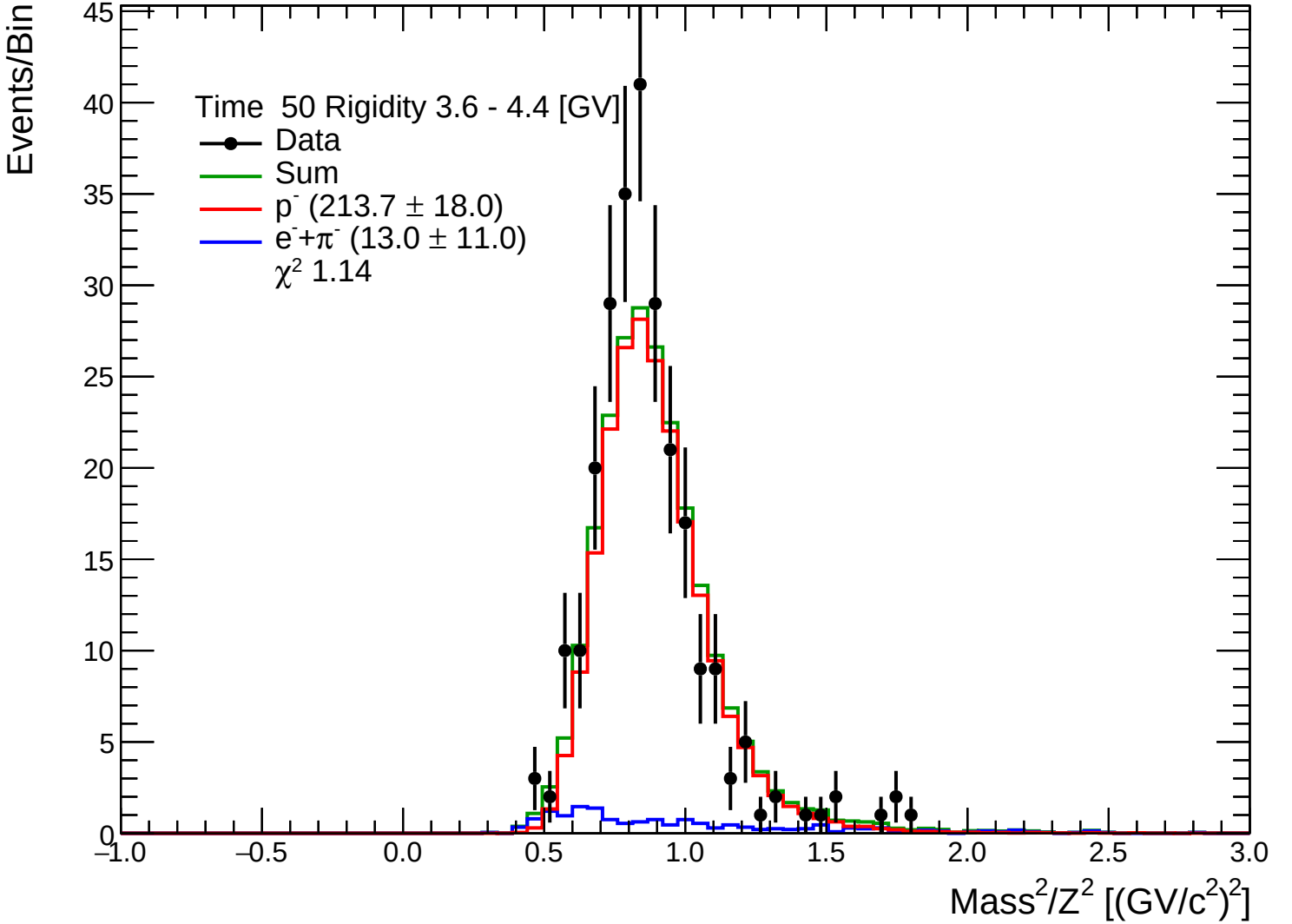

Events/Bin
400
350
300
250
200
150
100
50
0
406
407
408
409
410
Number [Temp 0]

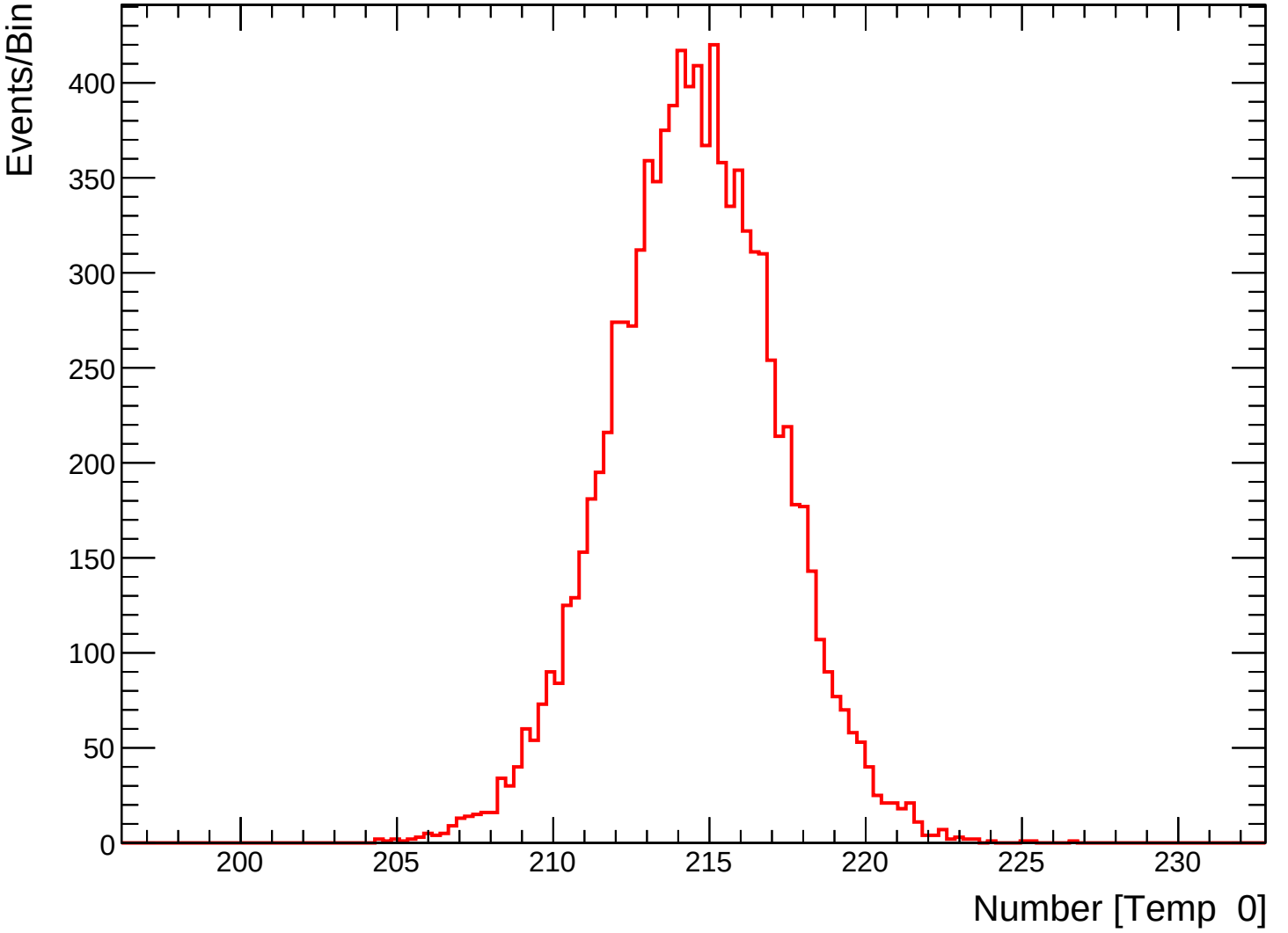

Events/Bin
Time 49 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (380.5 ± 20.4)
e⁻+π⁻ (227.1 ± 16.2)
χ² 1.05
Mass²/Z² [(GV/c²)²]

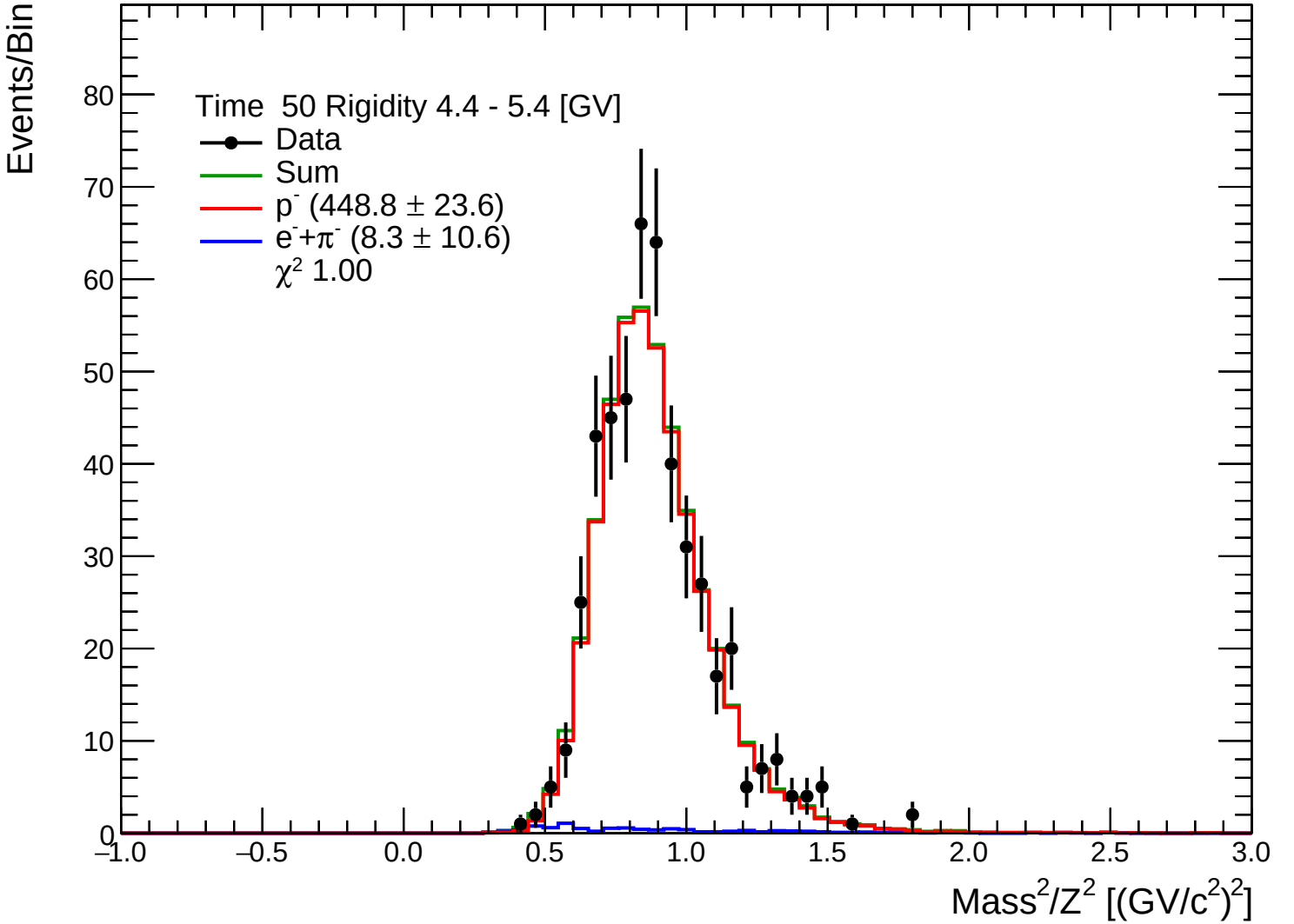

Events/Bin
400
350
300
250
200
150
100
50
0
377
378
379
380
381
382
383
384
Number [Temp 0]

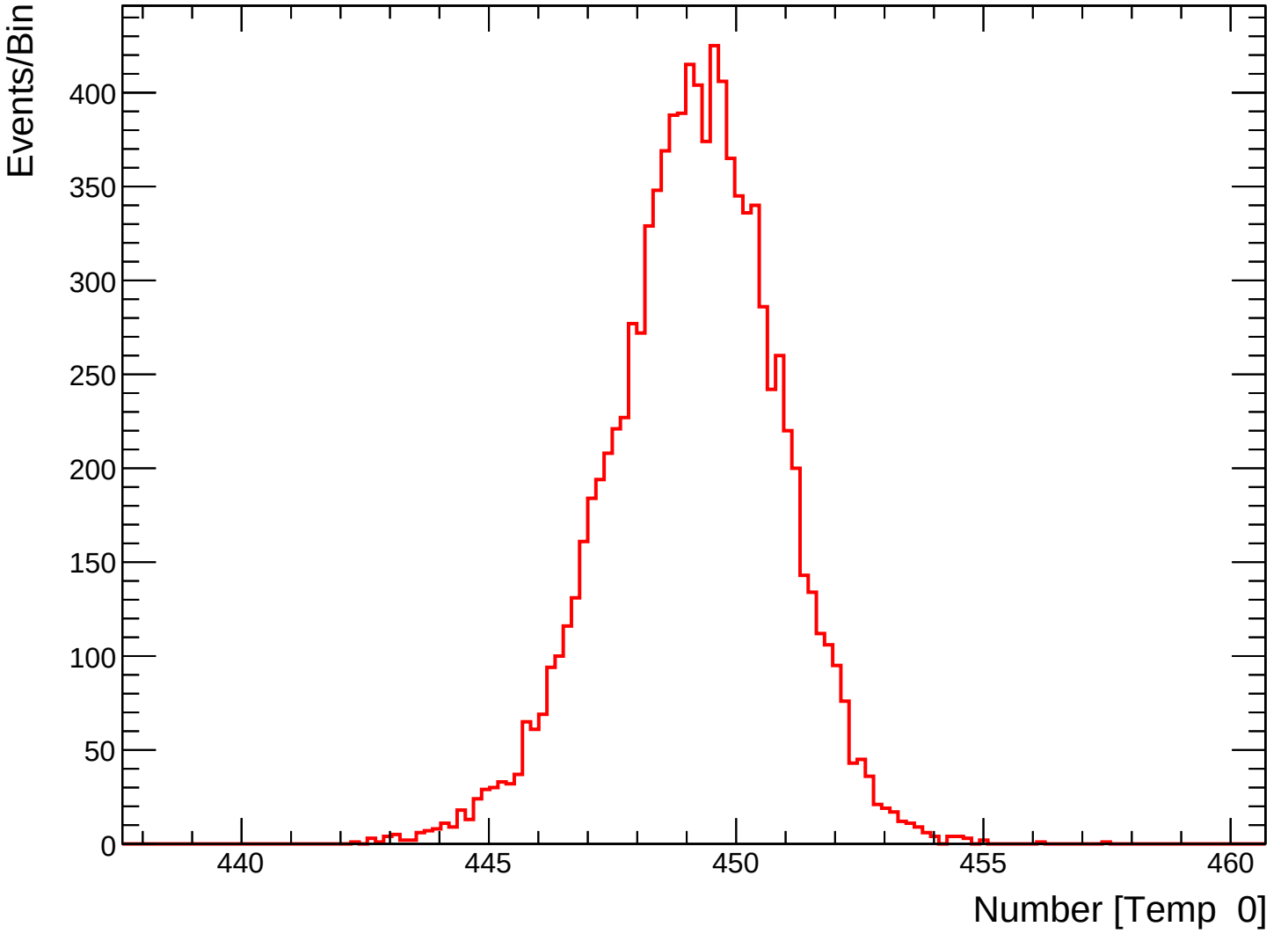

Time 49 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (397.5 ± 21.5)
e⁻+π⁻ (159.4 ± 14.9)
χ² 0.84
Events/Bin
Mass²/Z² [(GV/c²)²]
0
5
10
15
20
25
30
35
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

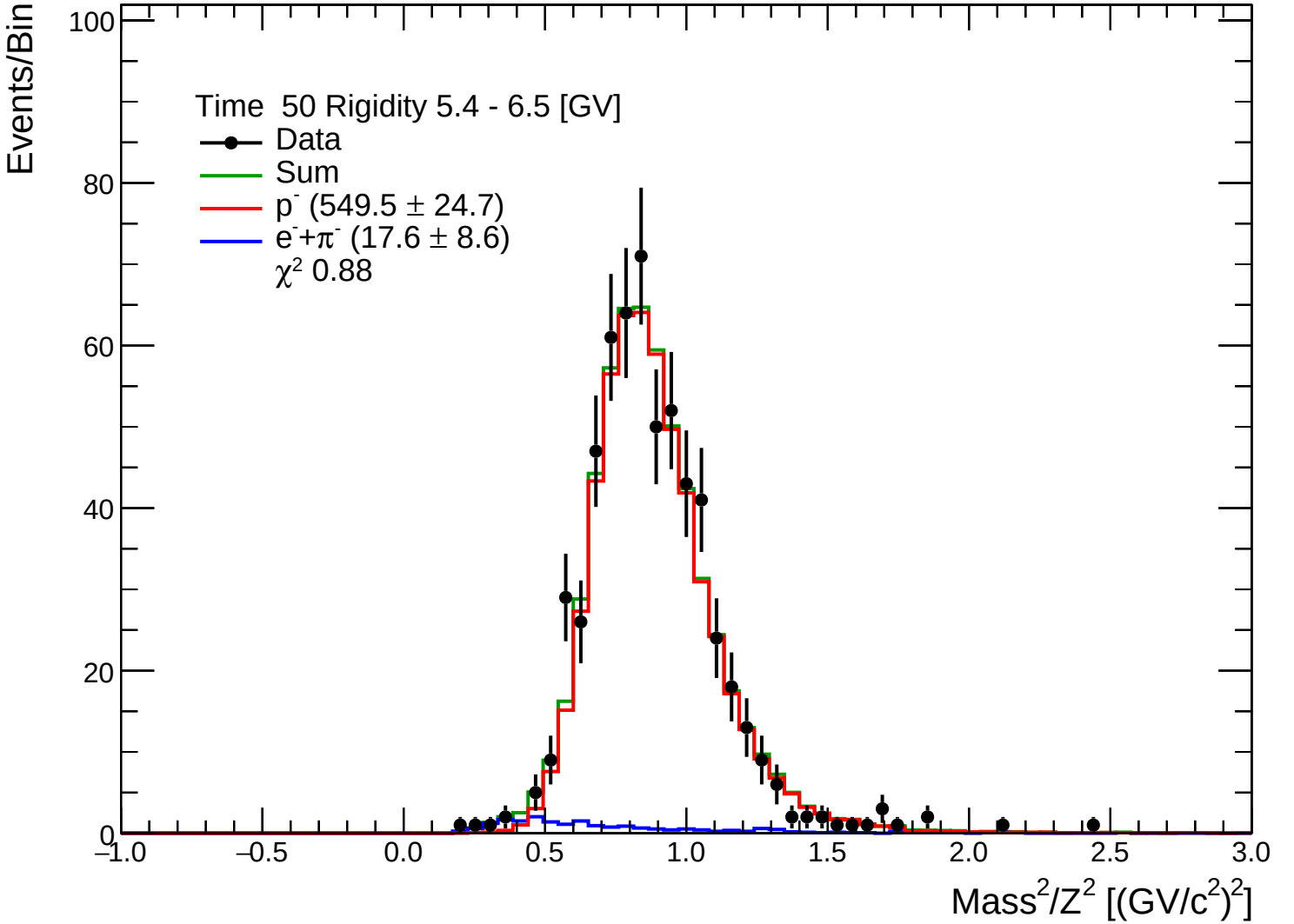

Events/Bin
400
350
300
250
200
150
100
50
0
394
395
396
397
398
399
400
401
Number [Temp 0]

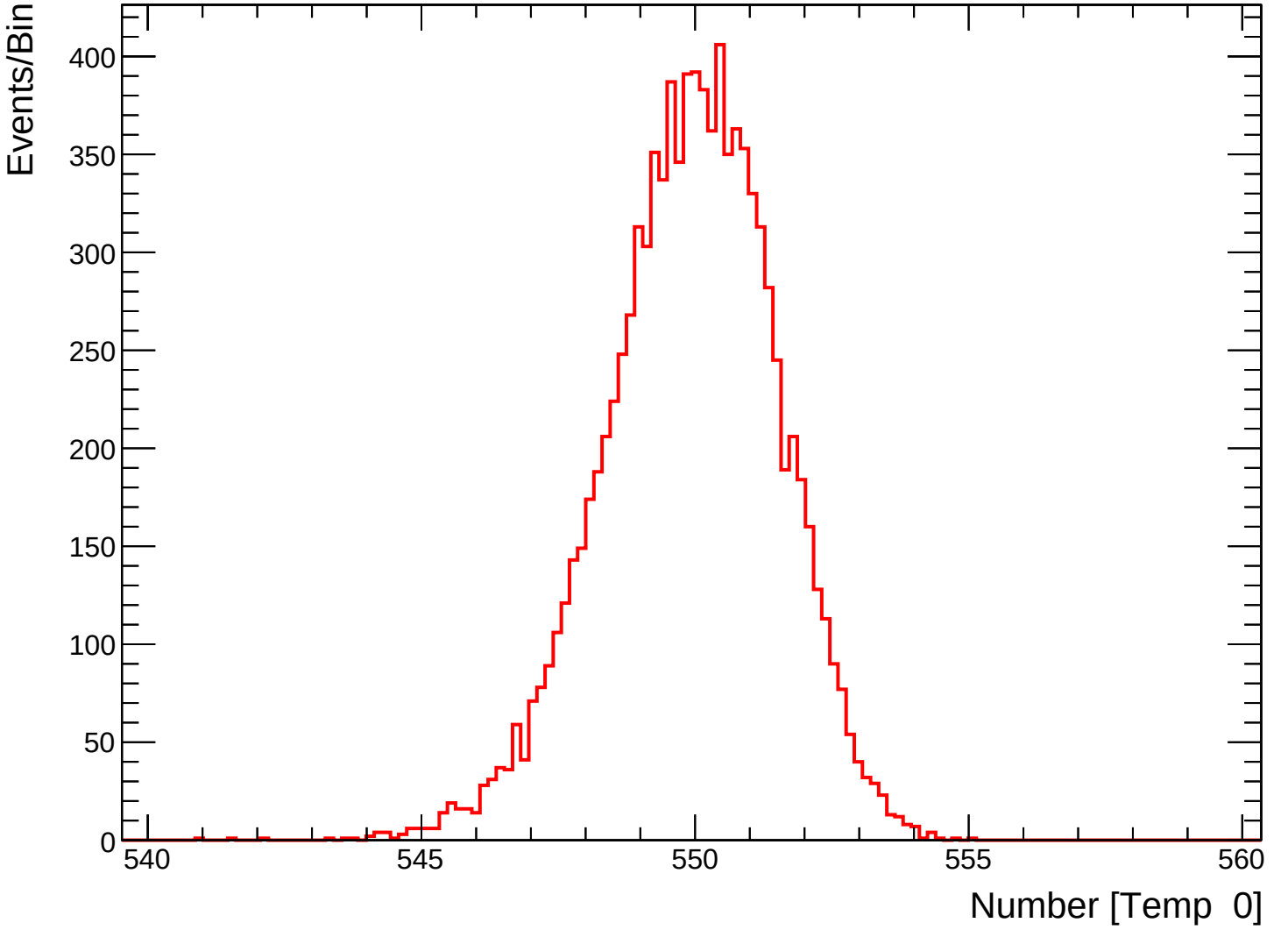

Time 50 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (213.7 ± 18.0)
e⁻+π⁻ (13.0 ± 11.0)
χ² 1.14
Events/Bin
Mass²/Z² [(GV/c²)²]
0
5
10
15
20
25
30
35
40
45
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

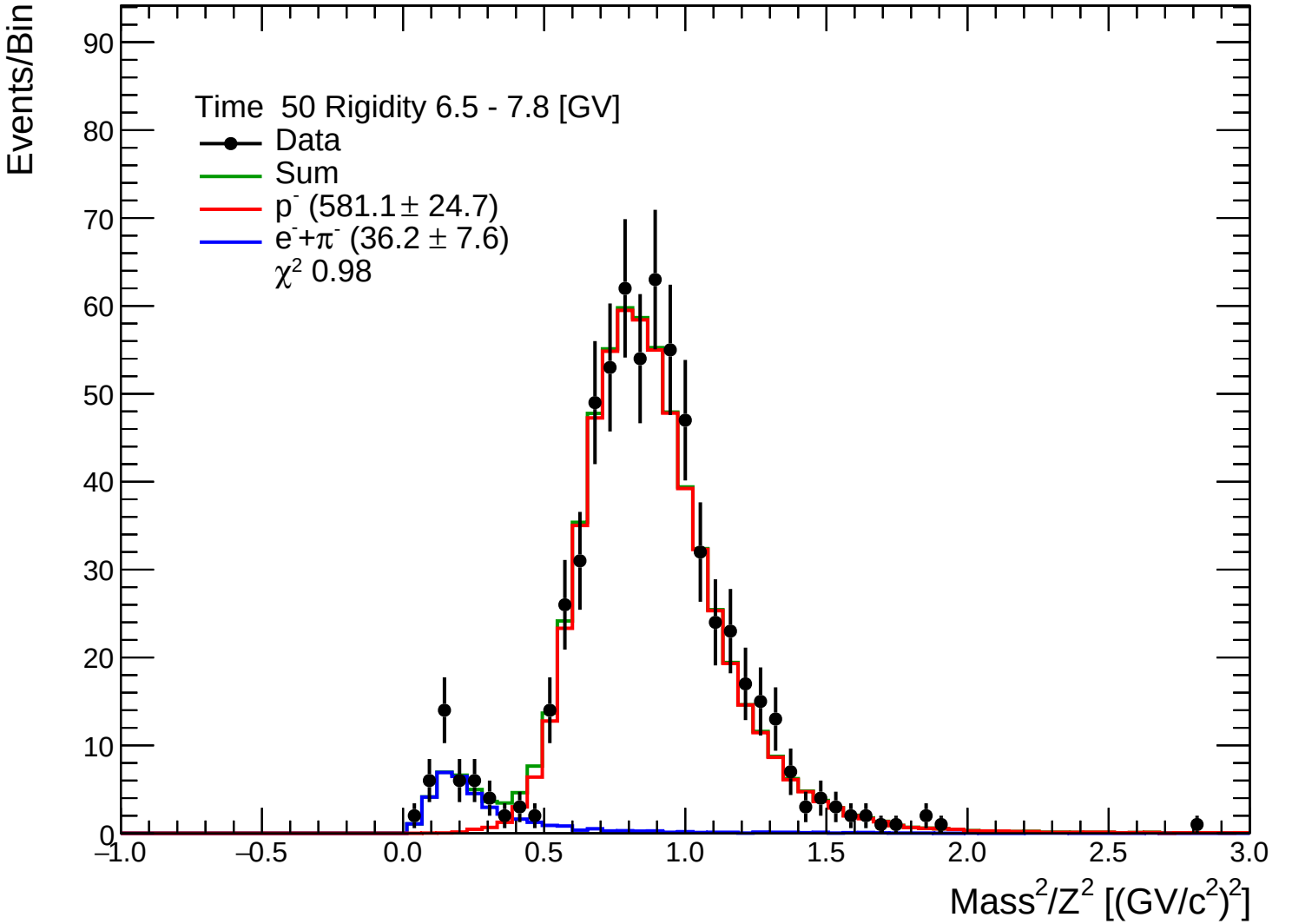

Events/Bin
400
350
300
250
200
150
100
50
0
200
205
210
215
220
225
230
Number [Temp 0]

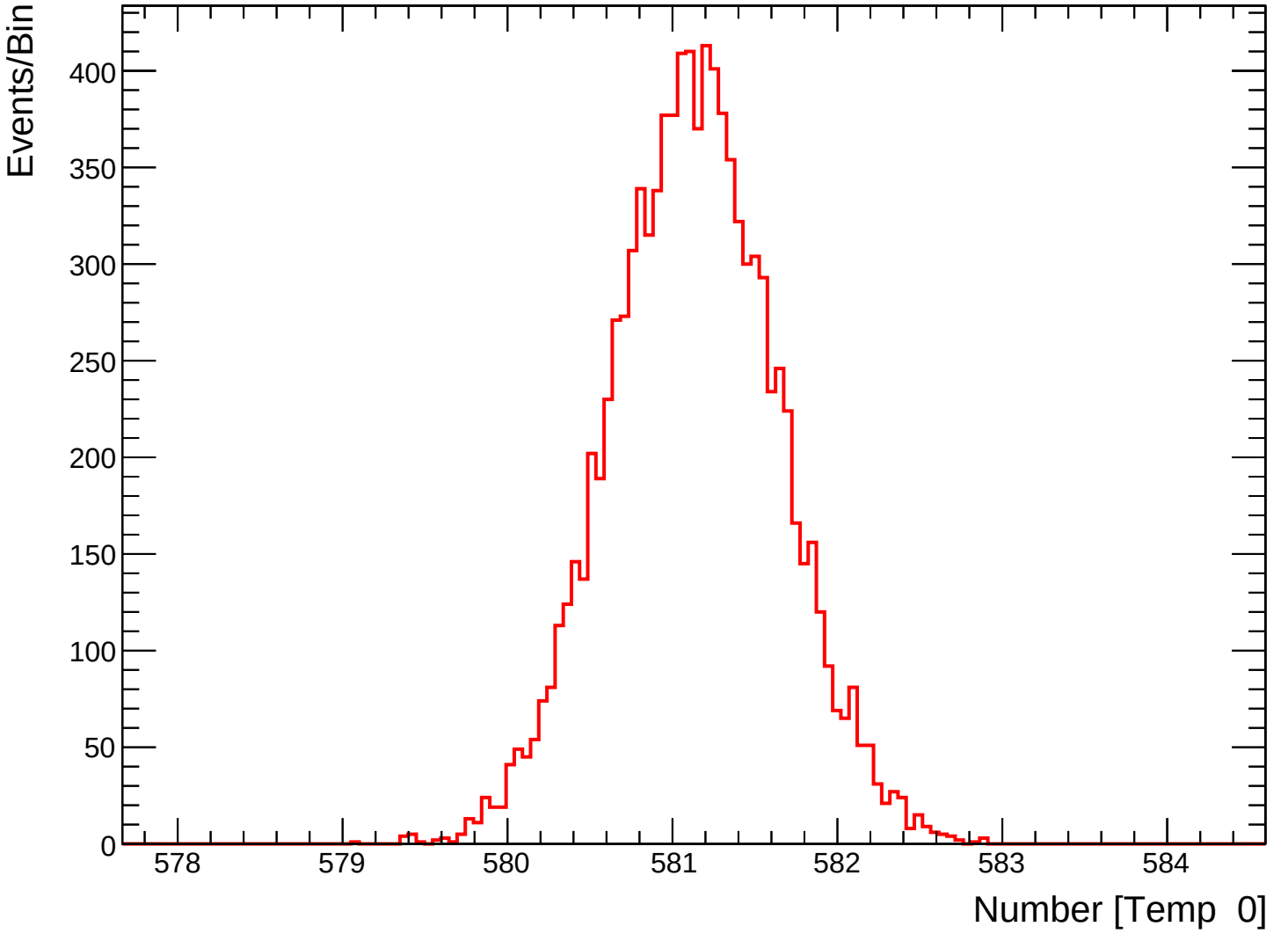

Time 50 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (448.8 ± 23.6)
e⁻+π⁻ (8.3 ± 10.6)
χ² 1.00
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

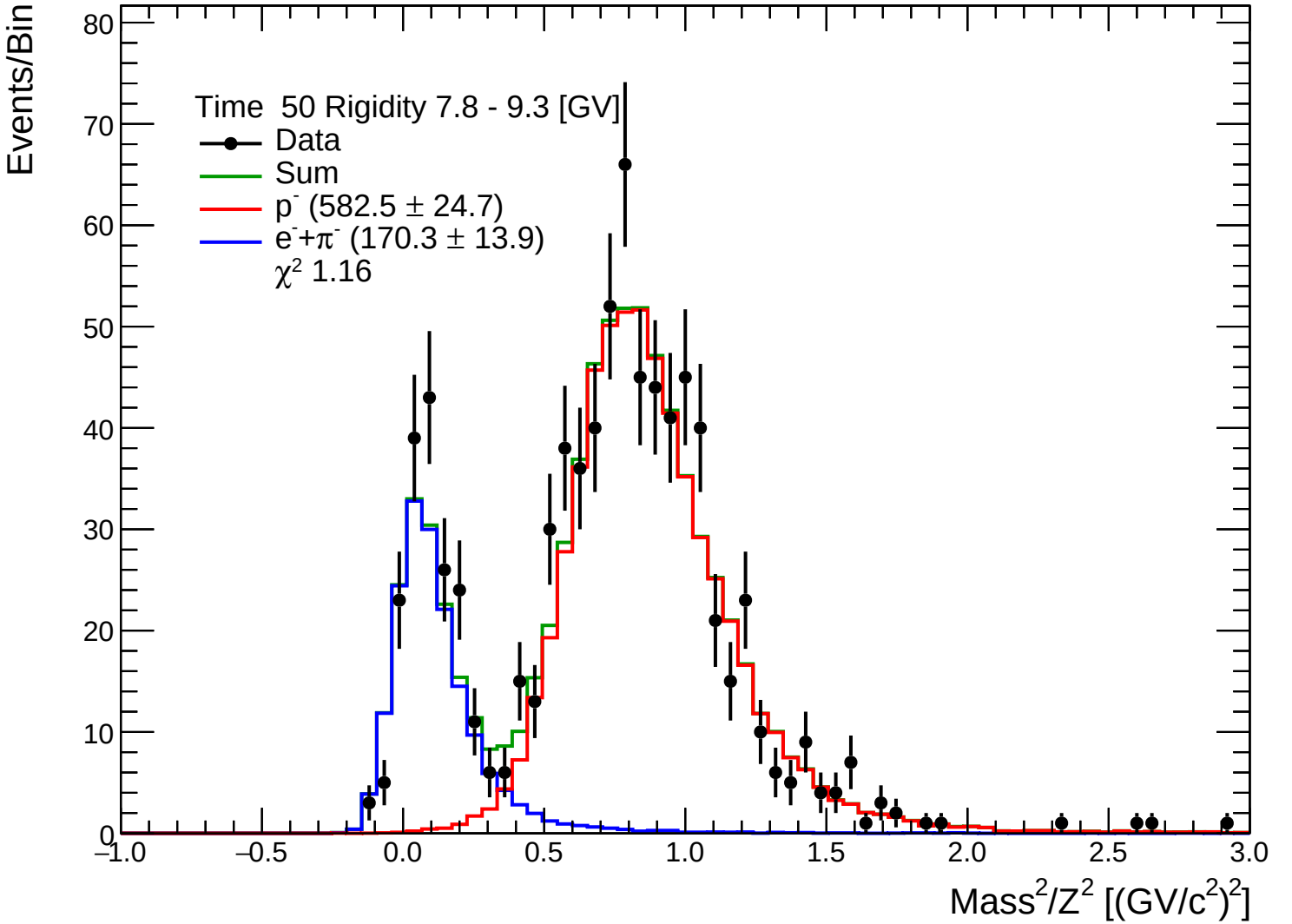

Events/Bin
400
350
300
250
200
150
100
50
0
440
445
450
455
460
Number [Temp 0]

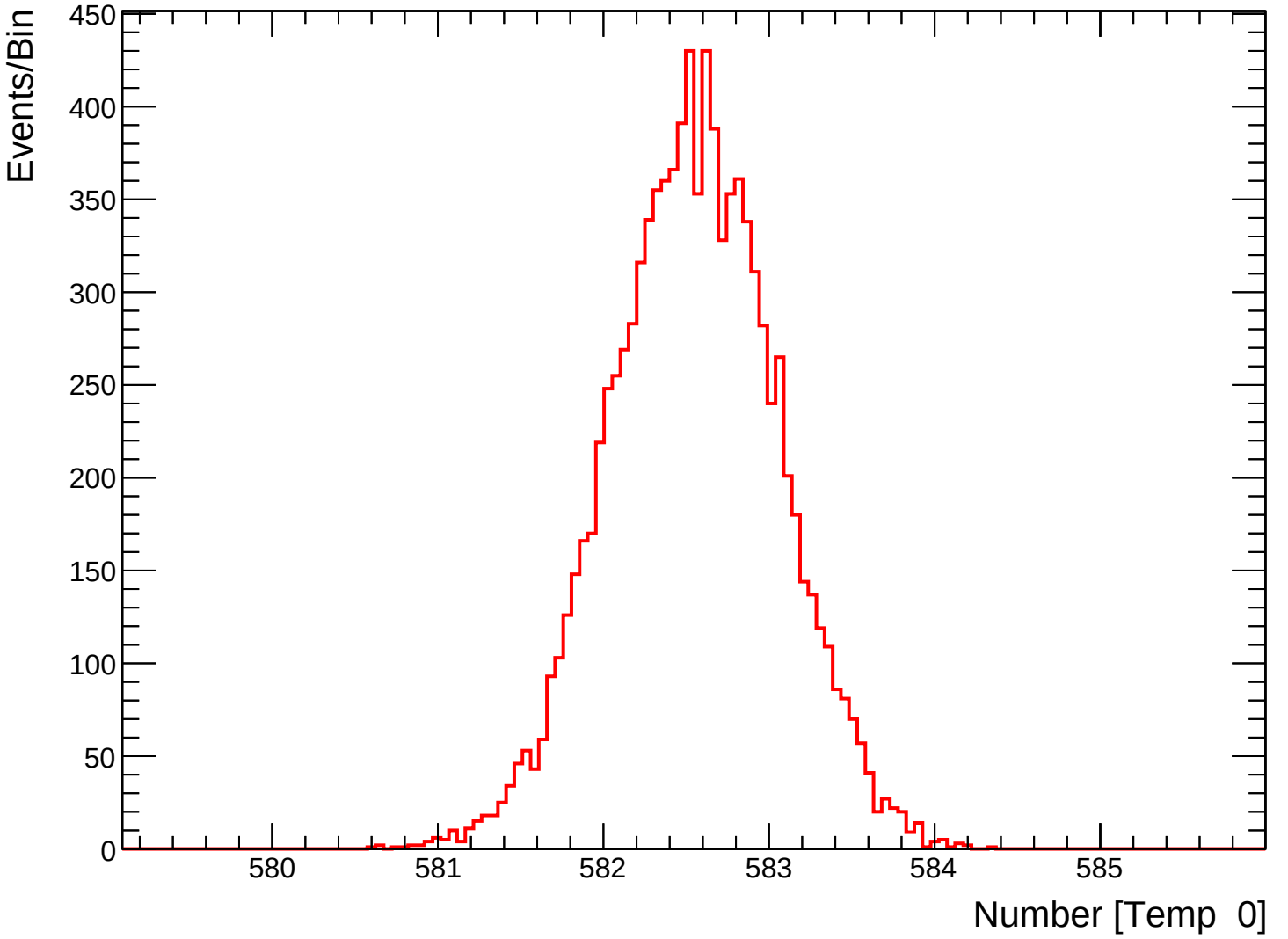

Time 50 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (549.5 ± 24.7)
e⁻+π⁻ (17.6 ± 8.6)
χ² 0.88
Events/Bin
Mass²/Z² [(GV/c²)²]
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

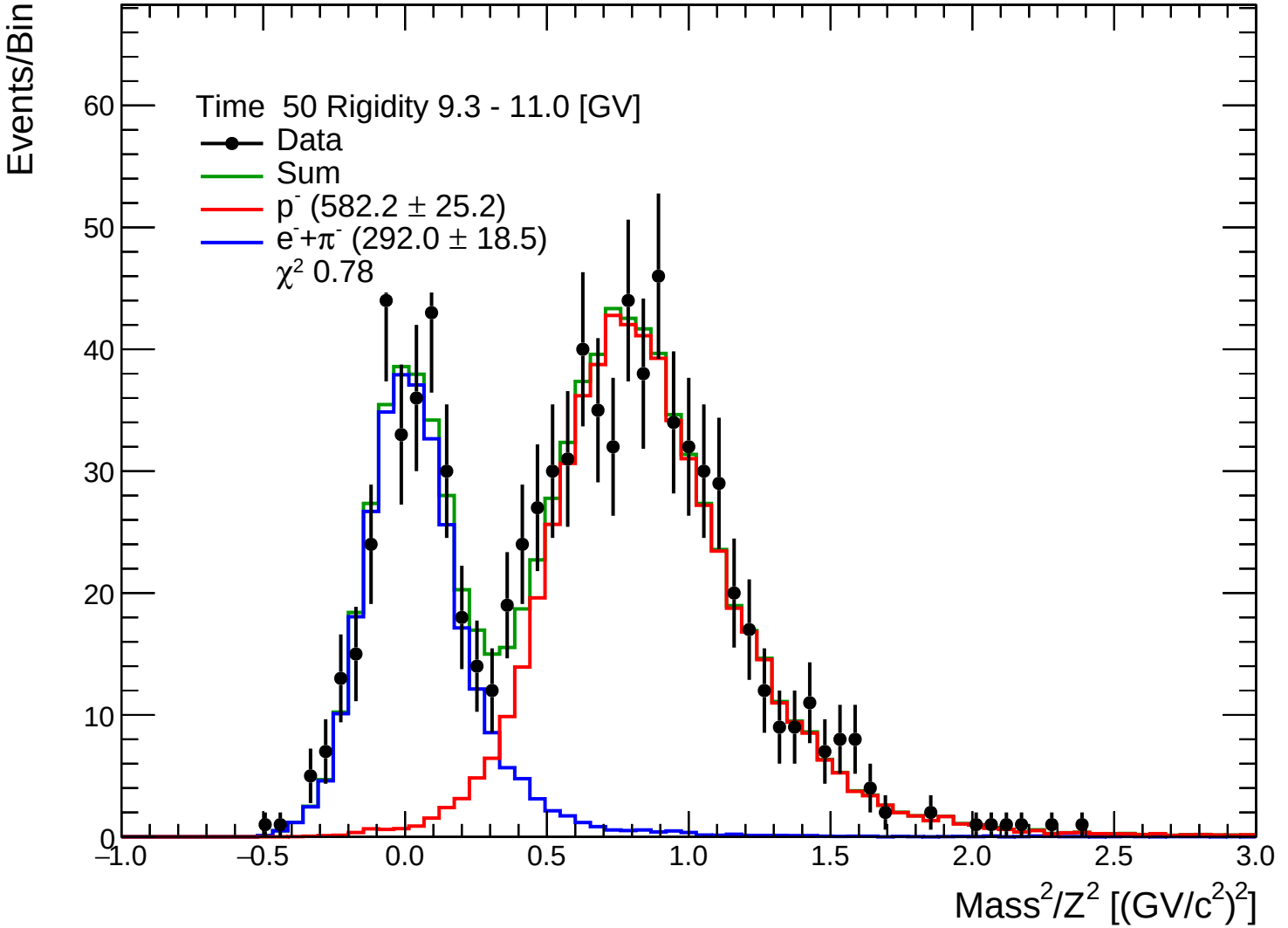

Events/Bin
400
350
300
250
200
150
100
50
0
540
545
550
555
560
Number [Temp 0]

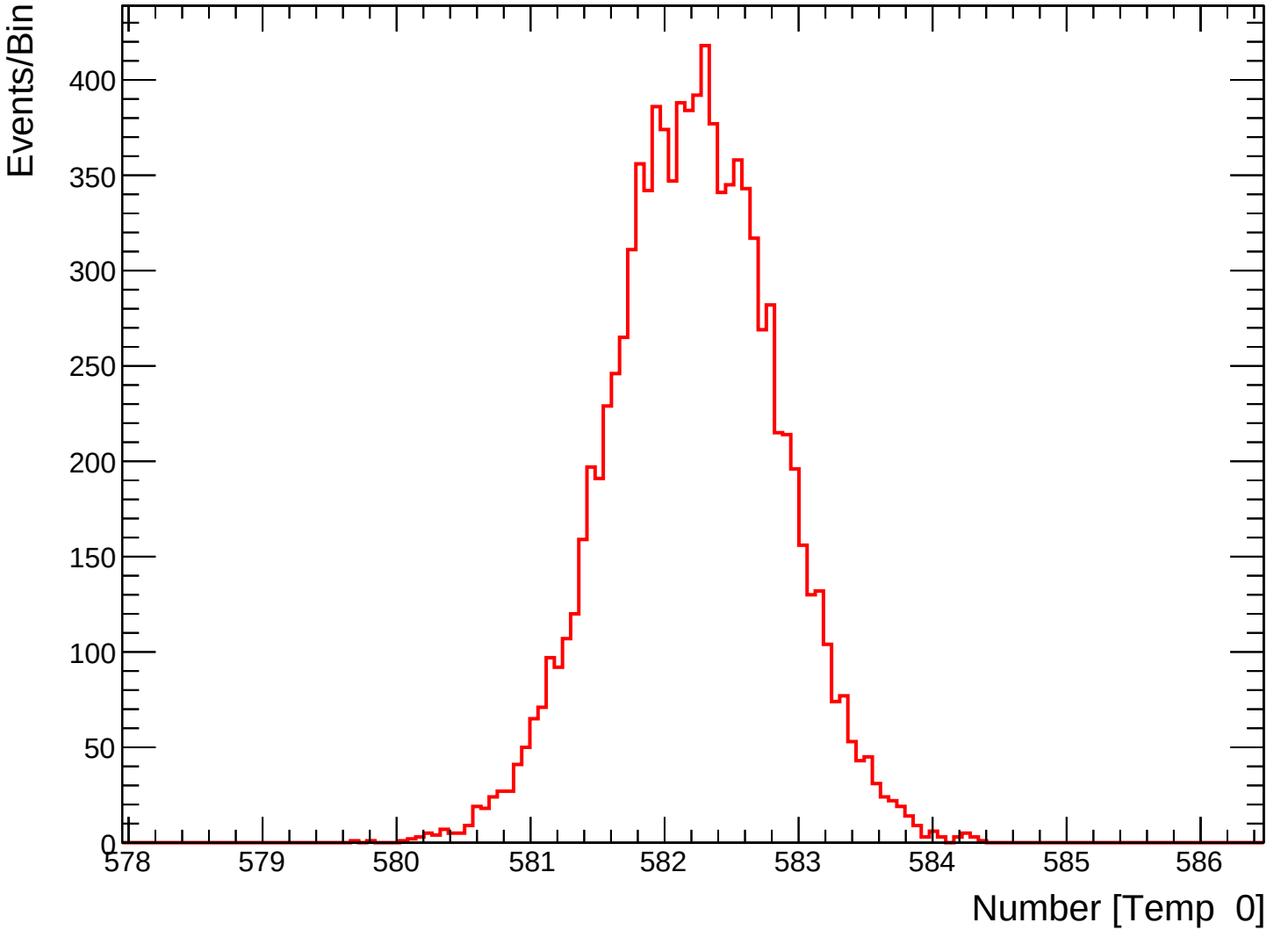

Time 50 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (581.1 ± 24.7)
e⁻+π⁻ (36.2 ± 7.6)
χ² 0.98
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

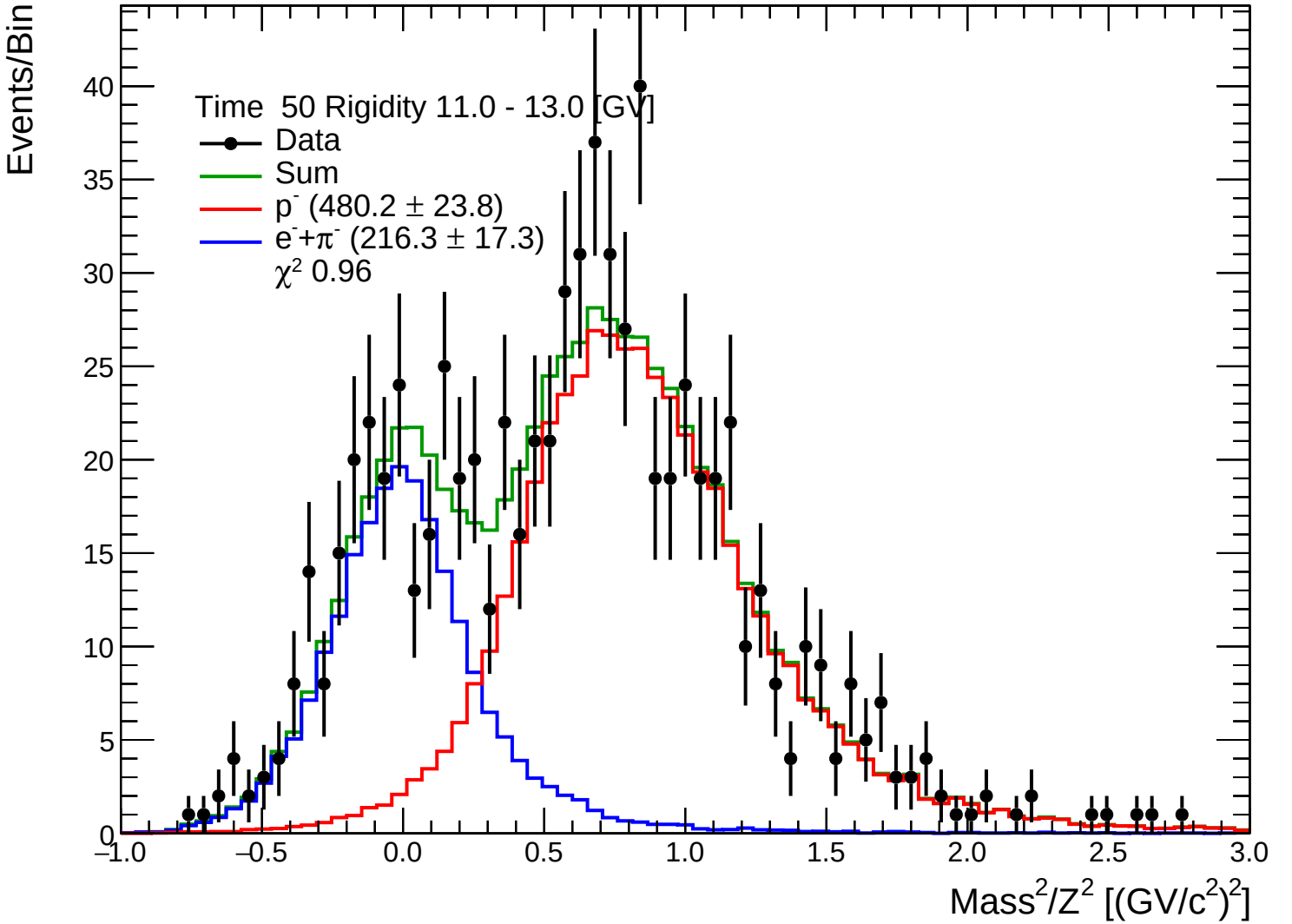

Events/Bin
400
350
300
250
200
150
100
50
0
578
579
580
581
582
583
584
Number [Temp 0]

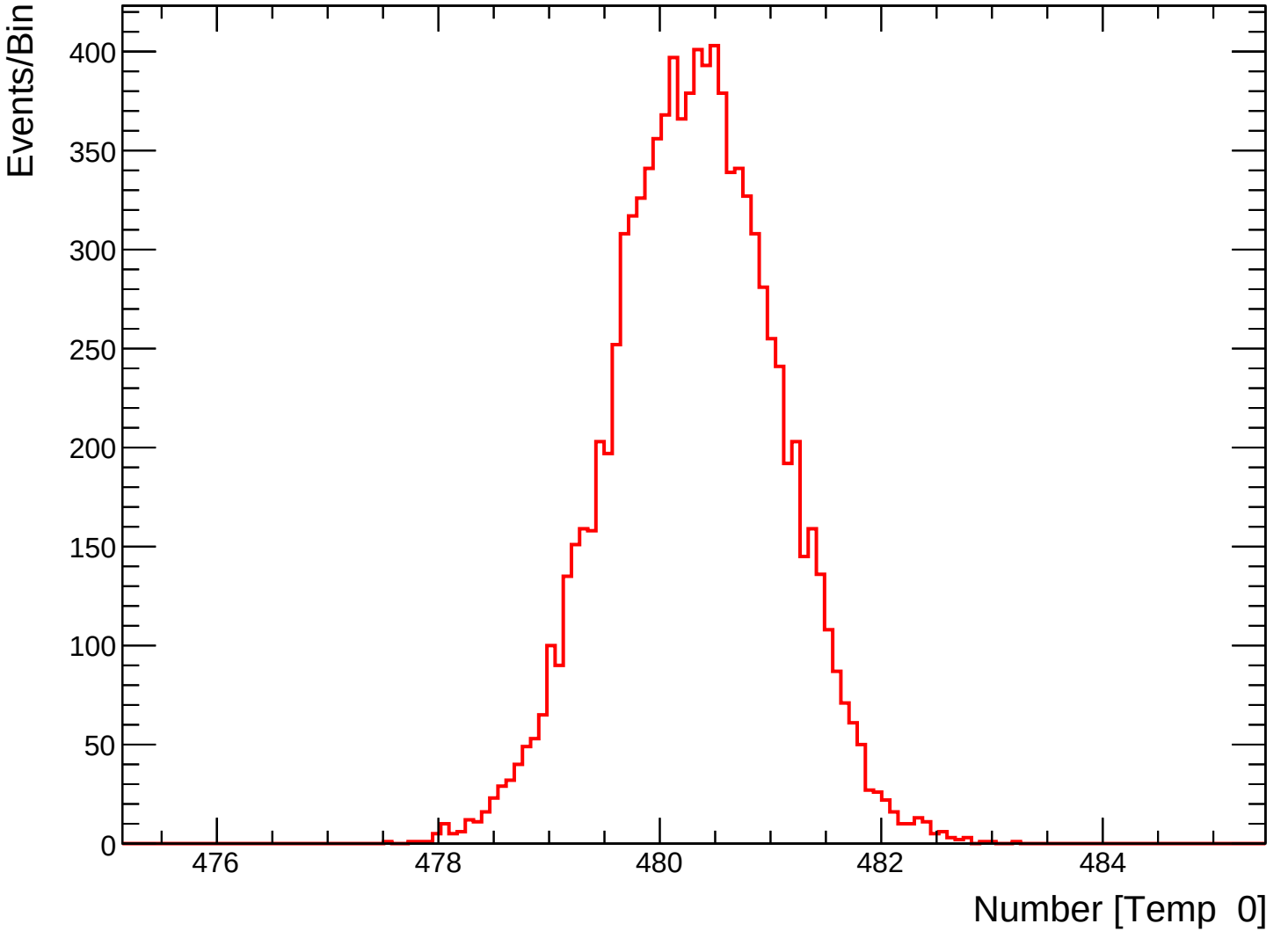

Time 50 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (582.5 ± 24.7)
e⁻+π⁻ (170.3 ± 13.9)
χ² 1.16
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

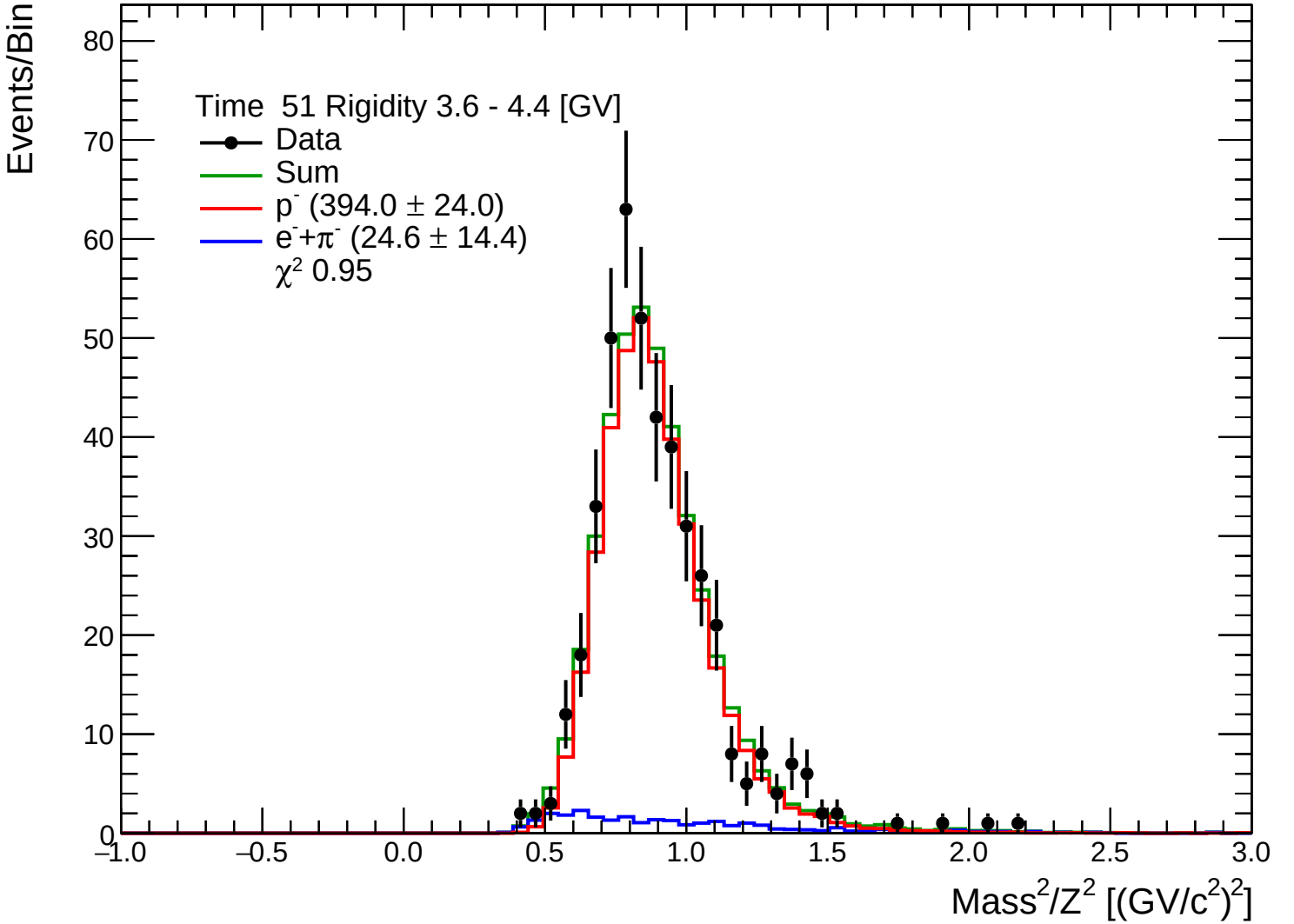

Events/Bin
450
400
350
300
250
200
150
100
50
0
580
581
582
583
584
585
Number [Temp 0]

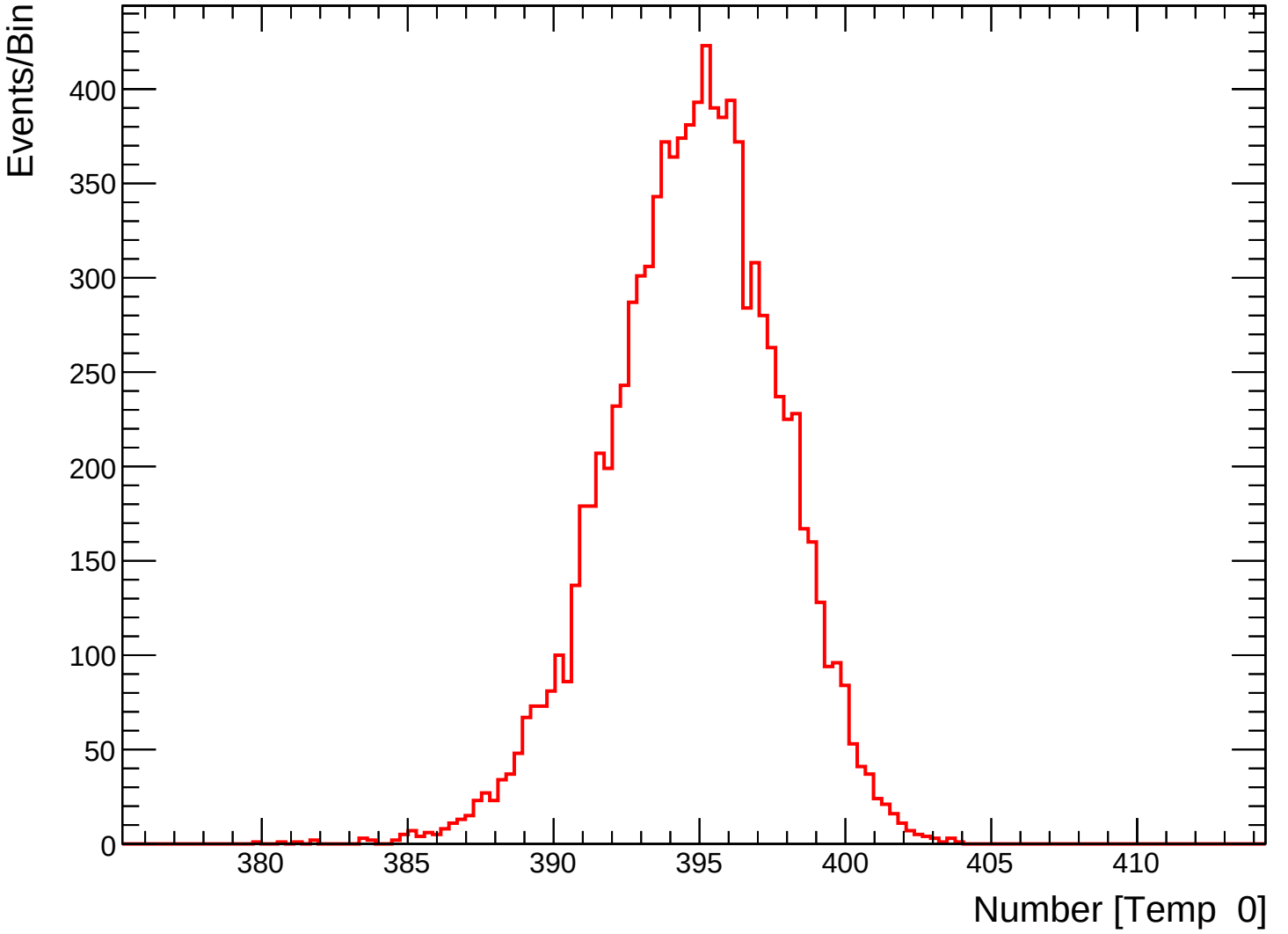

Events/Bin
Time 50 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (582.2 ± 25.2)
e⁻+π⁻ (292.0 ± 18.5)
χ² 0.78
60
50
40
30
20
10
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Mass²/Z² [(GV/c²)²]

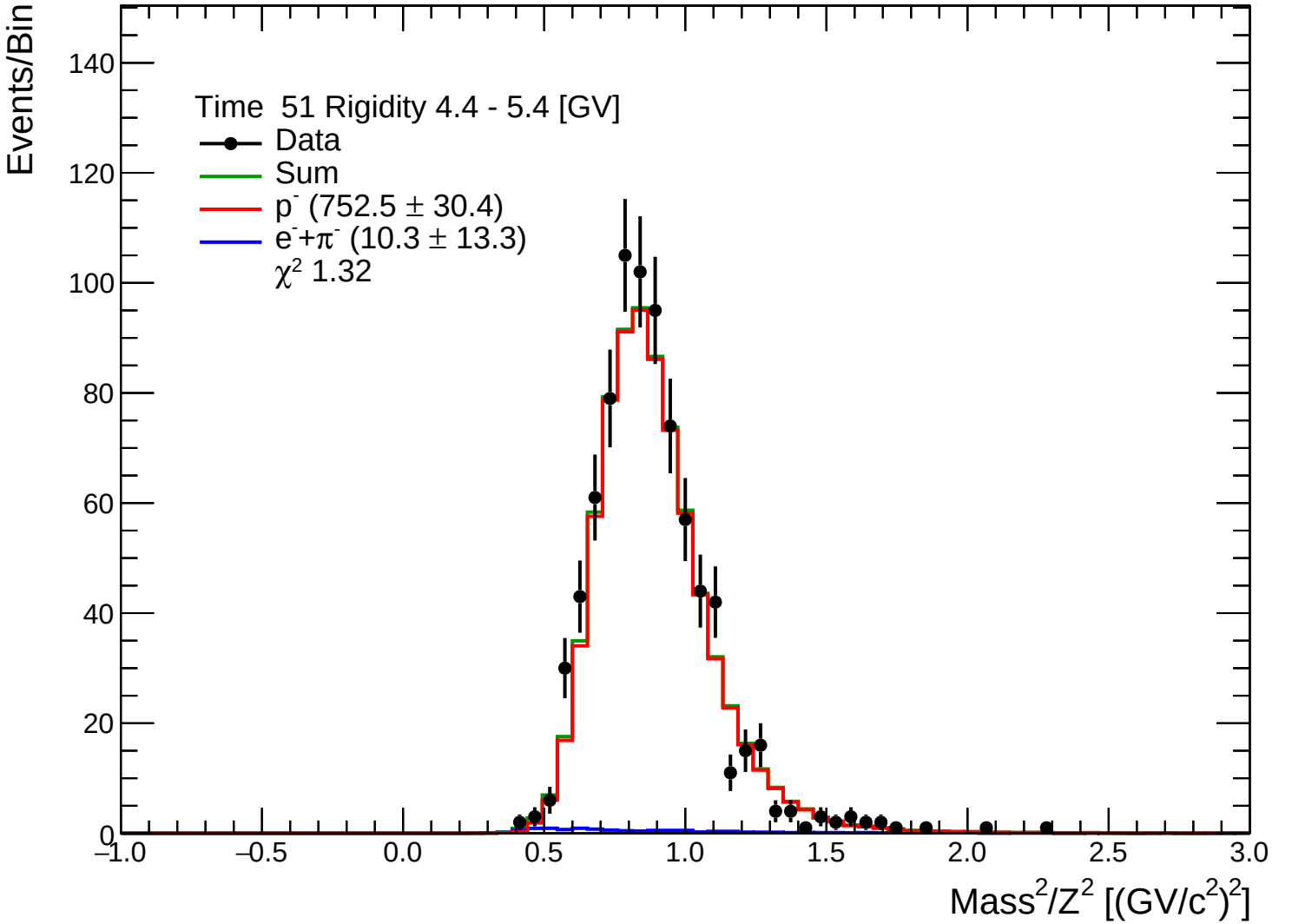

Events/Bin
400
350
300
250
200
150
100
50
0
578
579
580
581
582
583
584
585
586
Number [Temp 0]

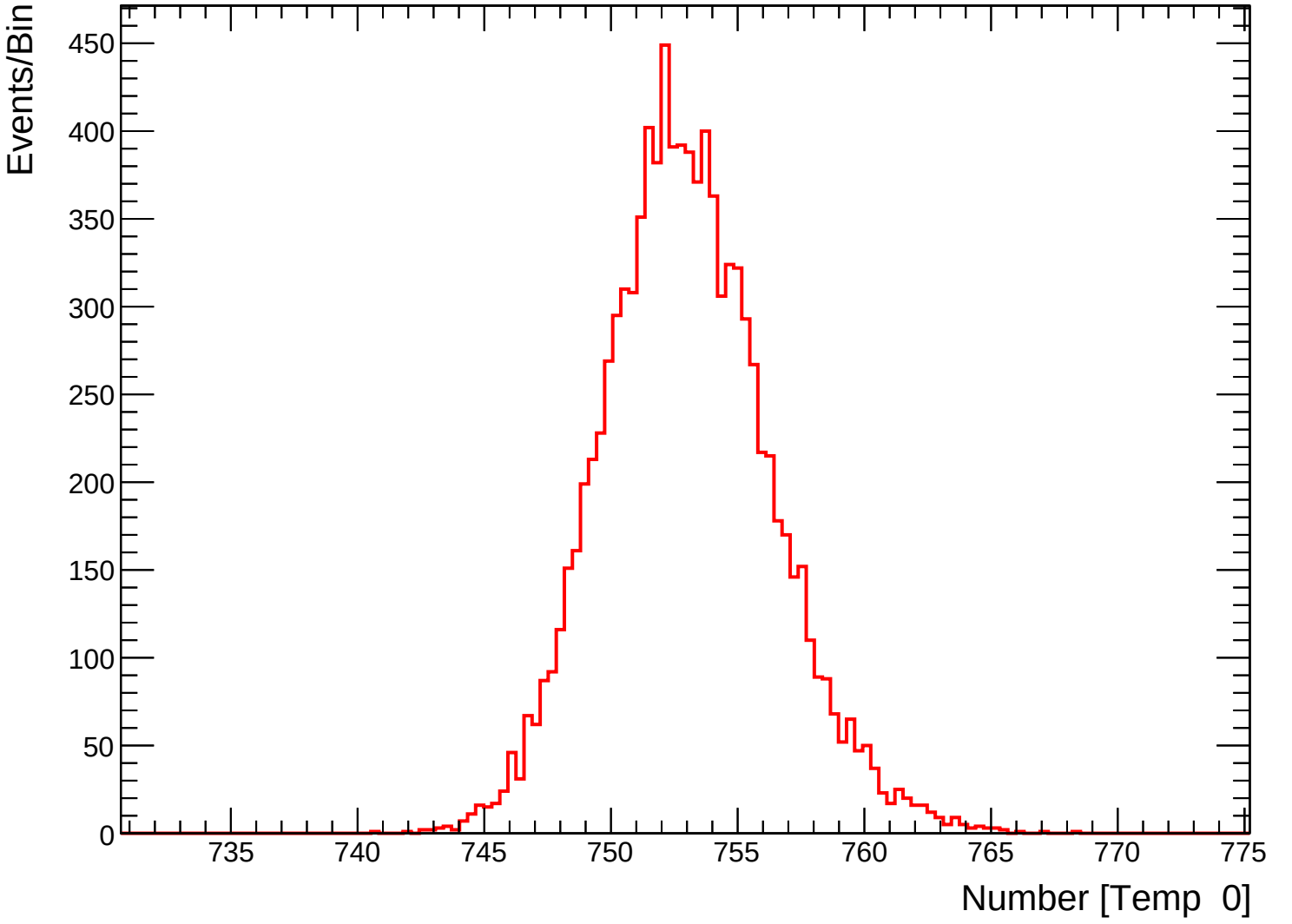

Time 50 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (480.2 ± 23.8)
e⁻+π⁻ (216.3 ± 17.3)
χ² 0.96
Events/Bin
Mass²/Z² [(GV/c²)²]
0
5
10
15
20
25
30
35
40
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

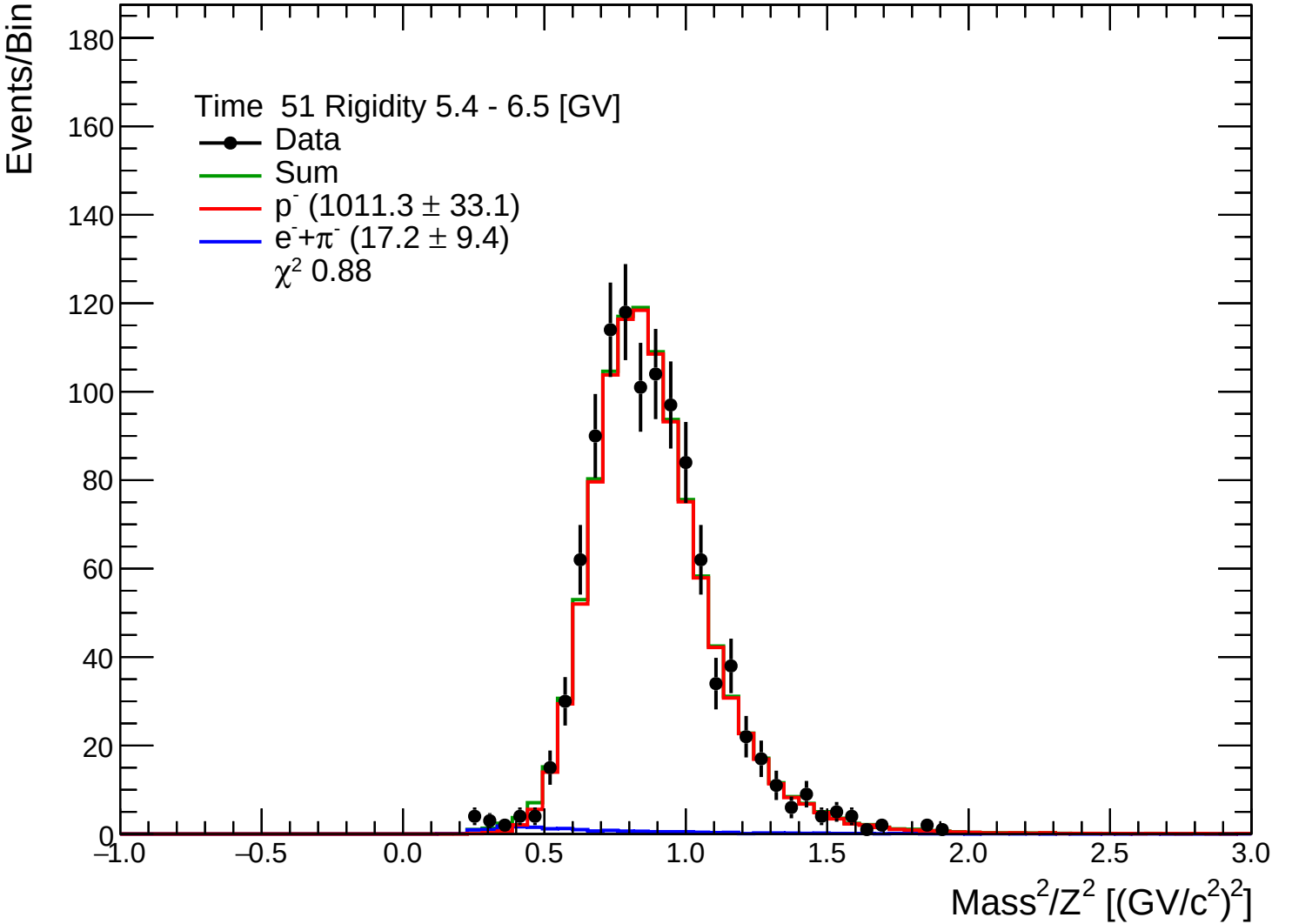

Events/Bin
400
350
300
250
200
150
100
50
0
476
478
480
482
484
Number [Temp 0]

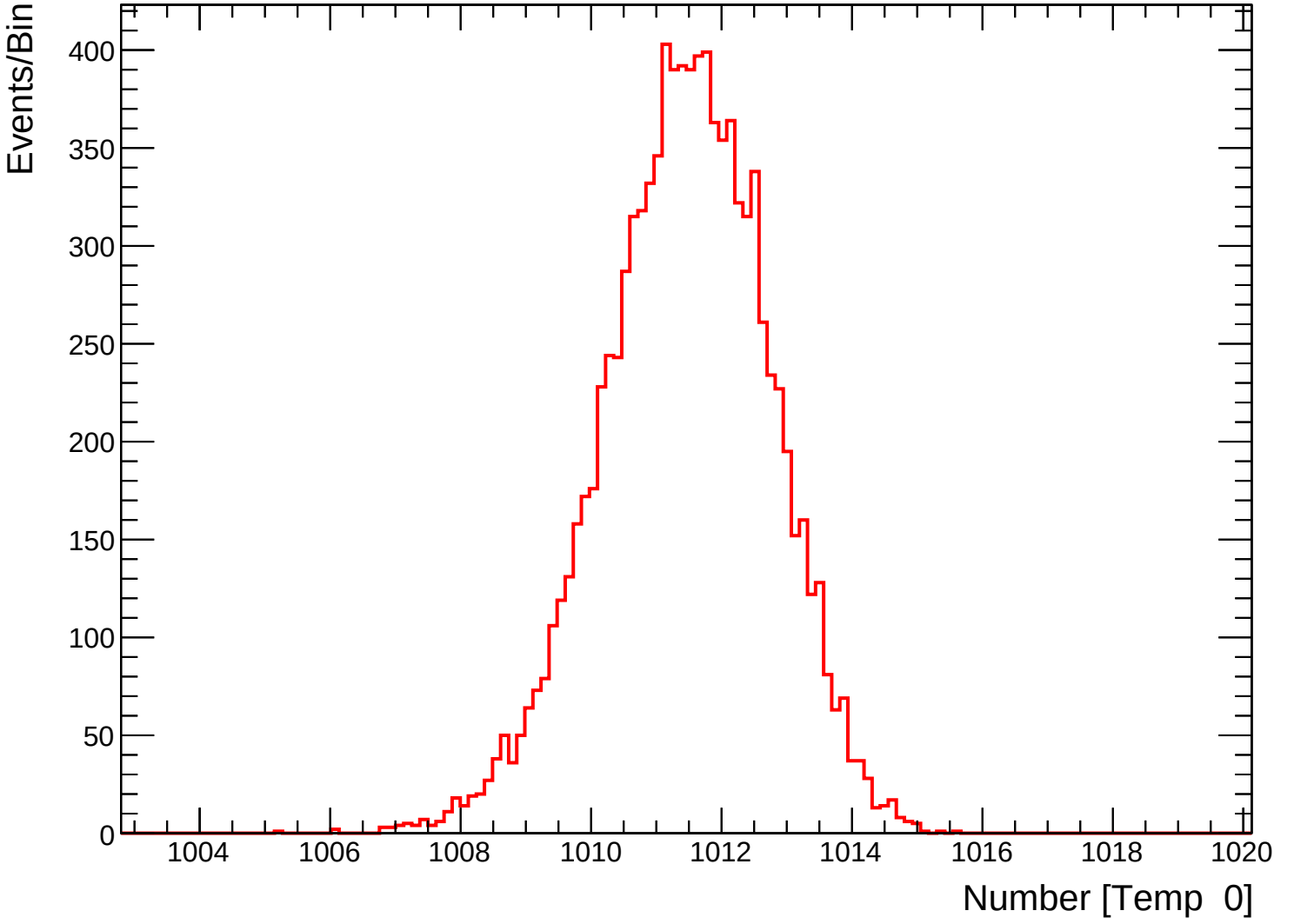

Time 51 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (394.0 ± 24.0)
e⁻+π⁻ (24.6 ± 14.4)
χ² 0.95
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

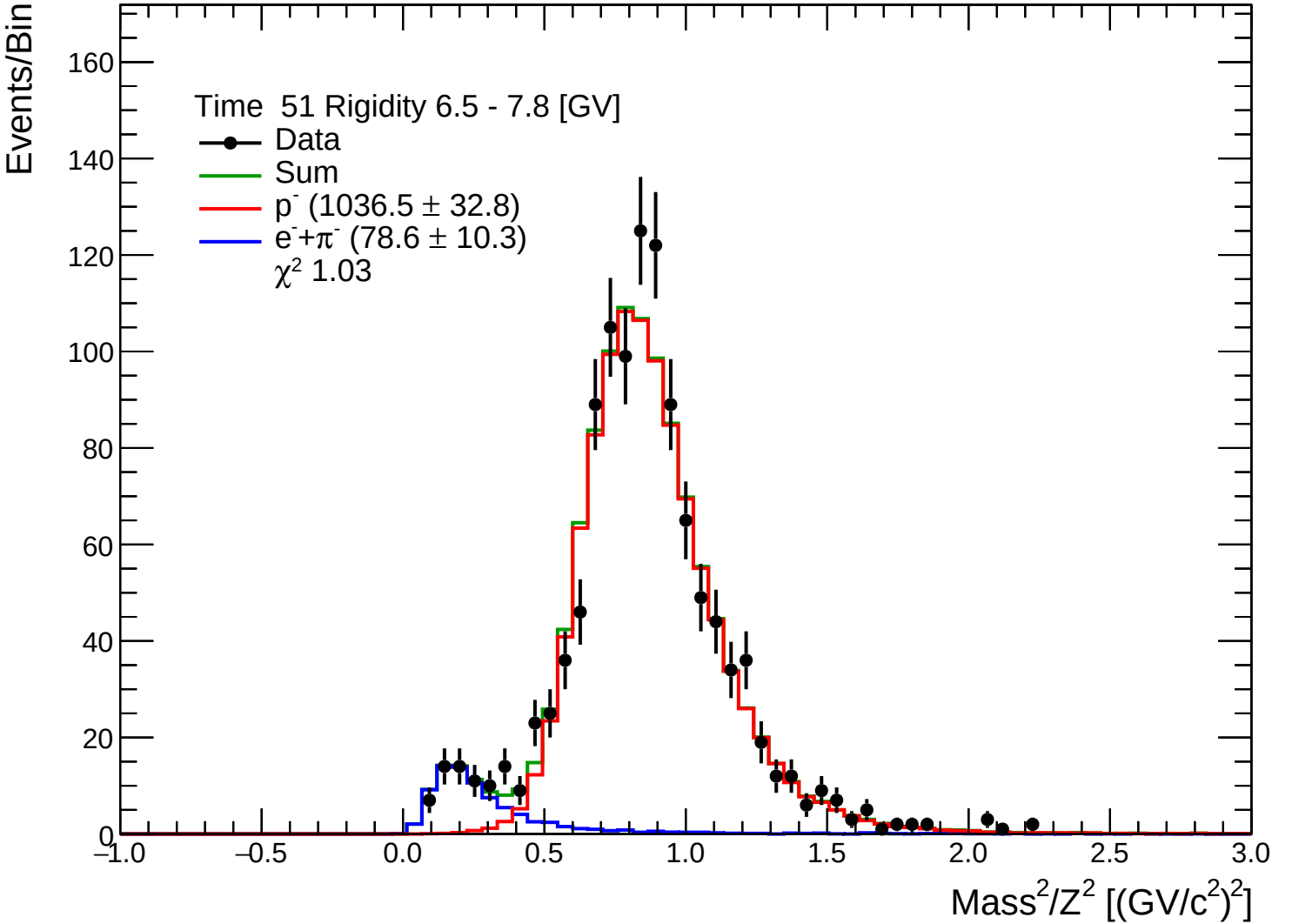

Events/Bin
0
50
100
150
200
250
300
350
400
380
385
390
395
400
405
410
Number [Temp 0]

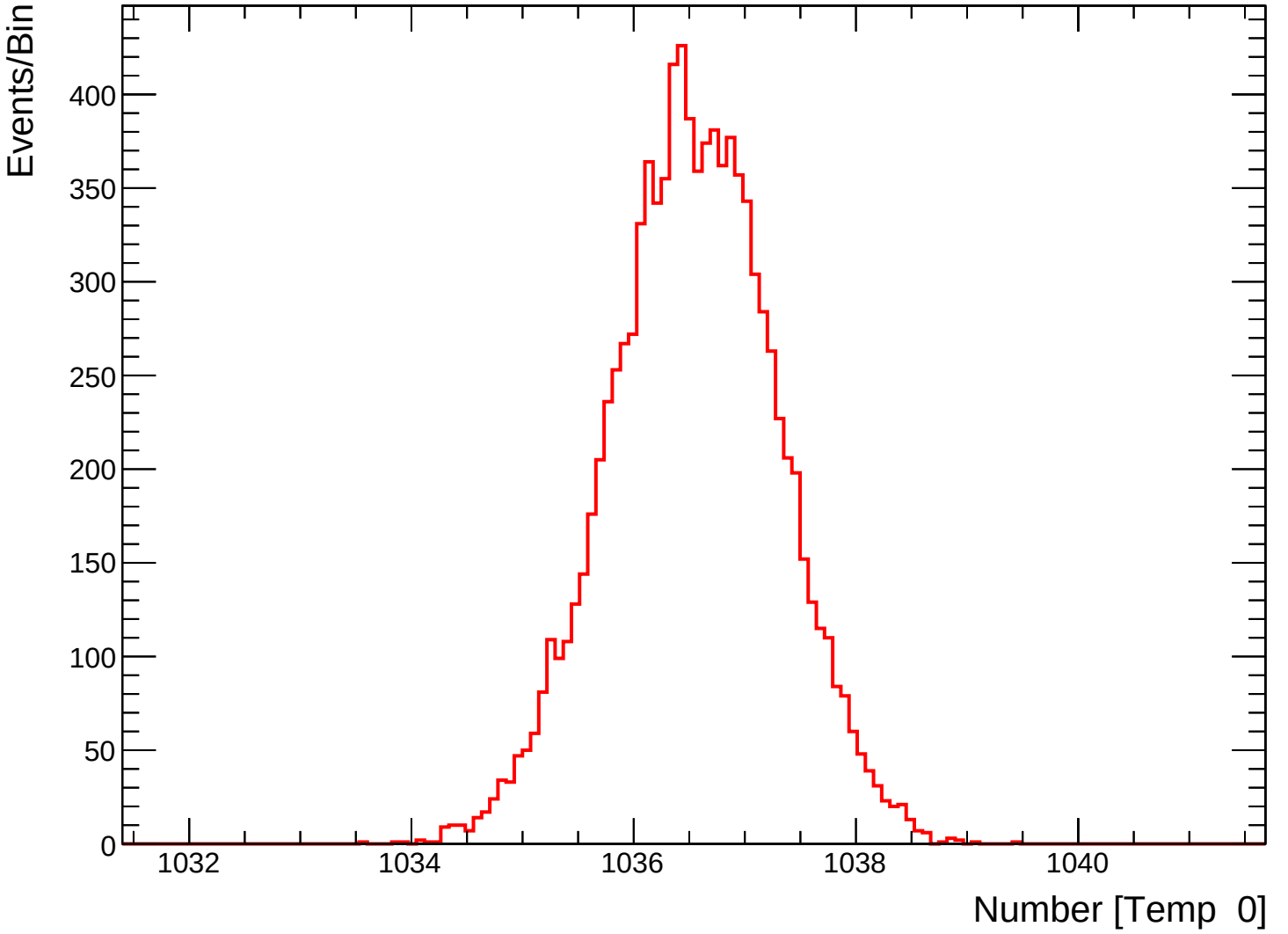

Time 51 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (752.5 ± 30.4)
e⁻+π⁻ (10.3 ± 13.3)
χ² 1.32
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

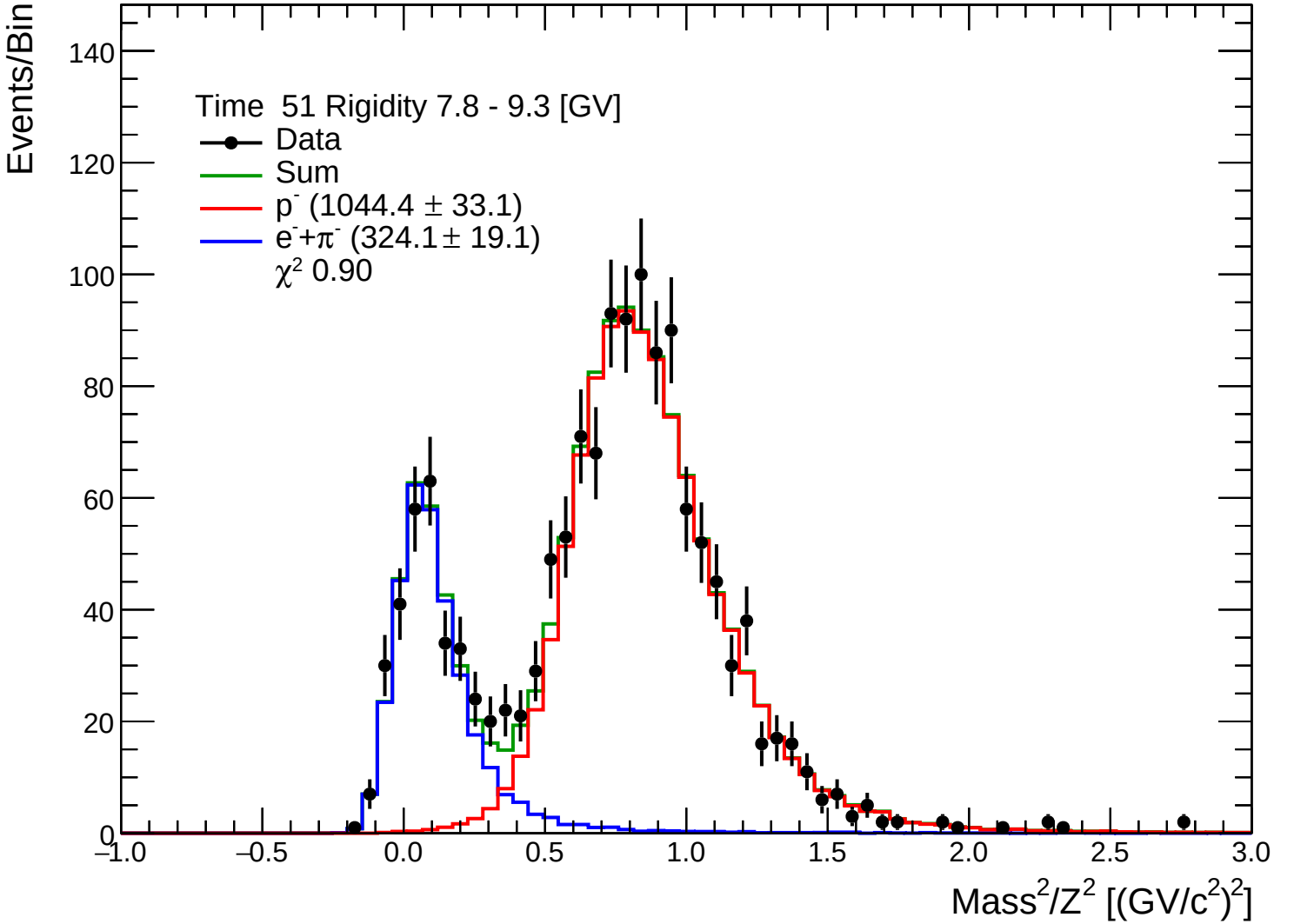

Events/Bin
450
400
350
300
250
200
150
100
50
0
735
740
745
750
755
760
765
770
775
Number [Temp 0]

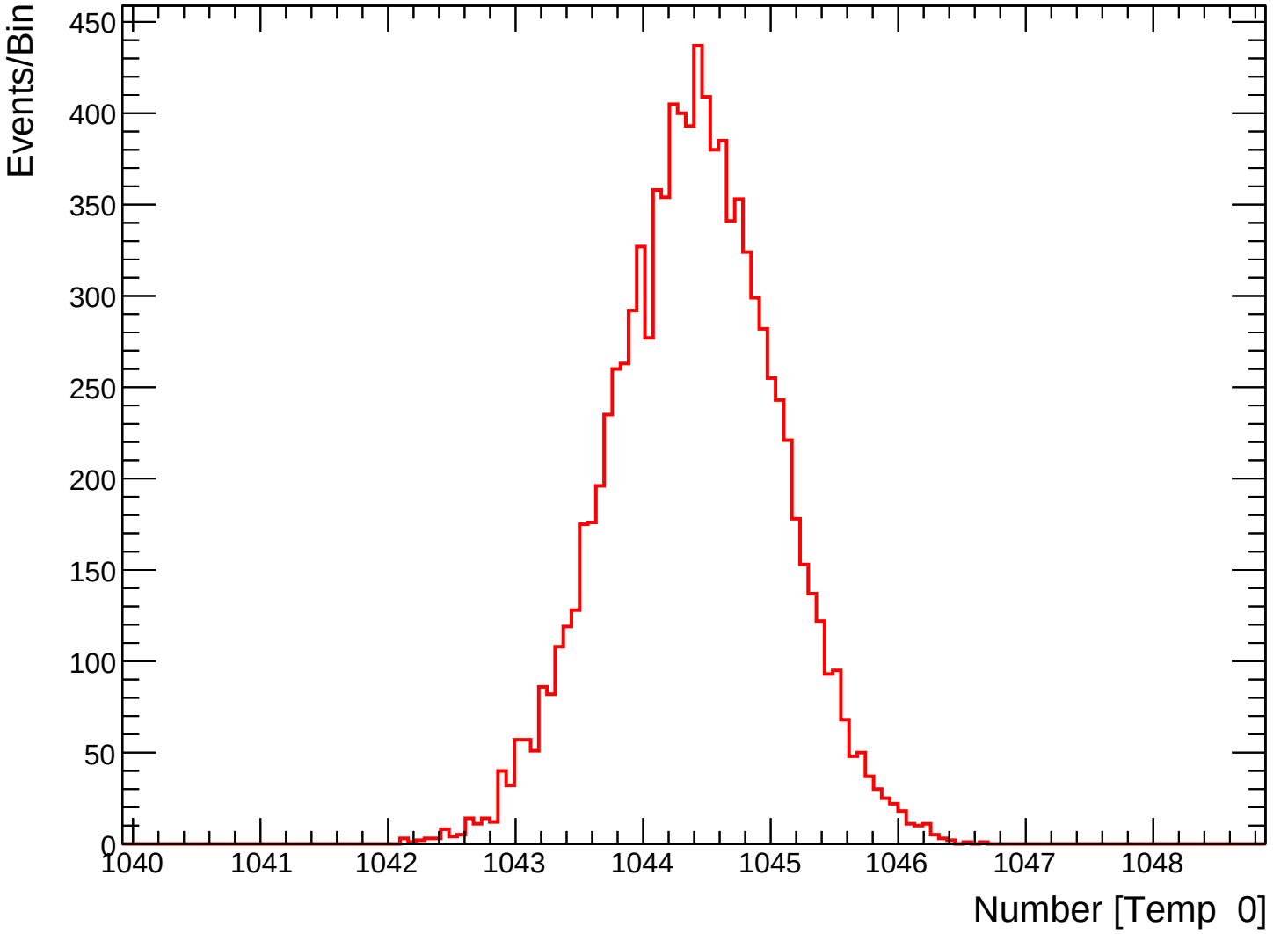

Time 51 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (1011.3 ± 33.1)
e⁻+π⁻ (17.2 ± 9.4)
χ² 0.88
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
180
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

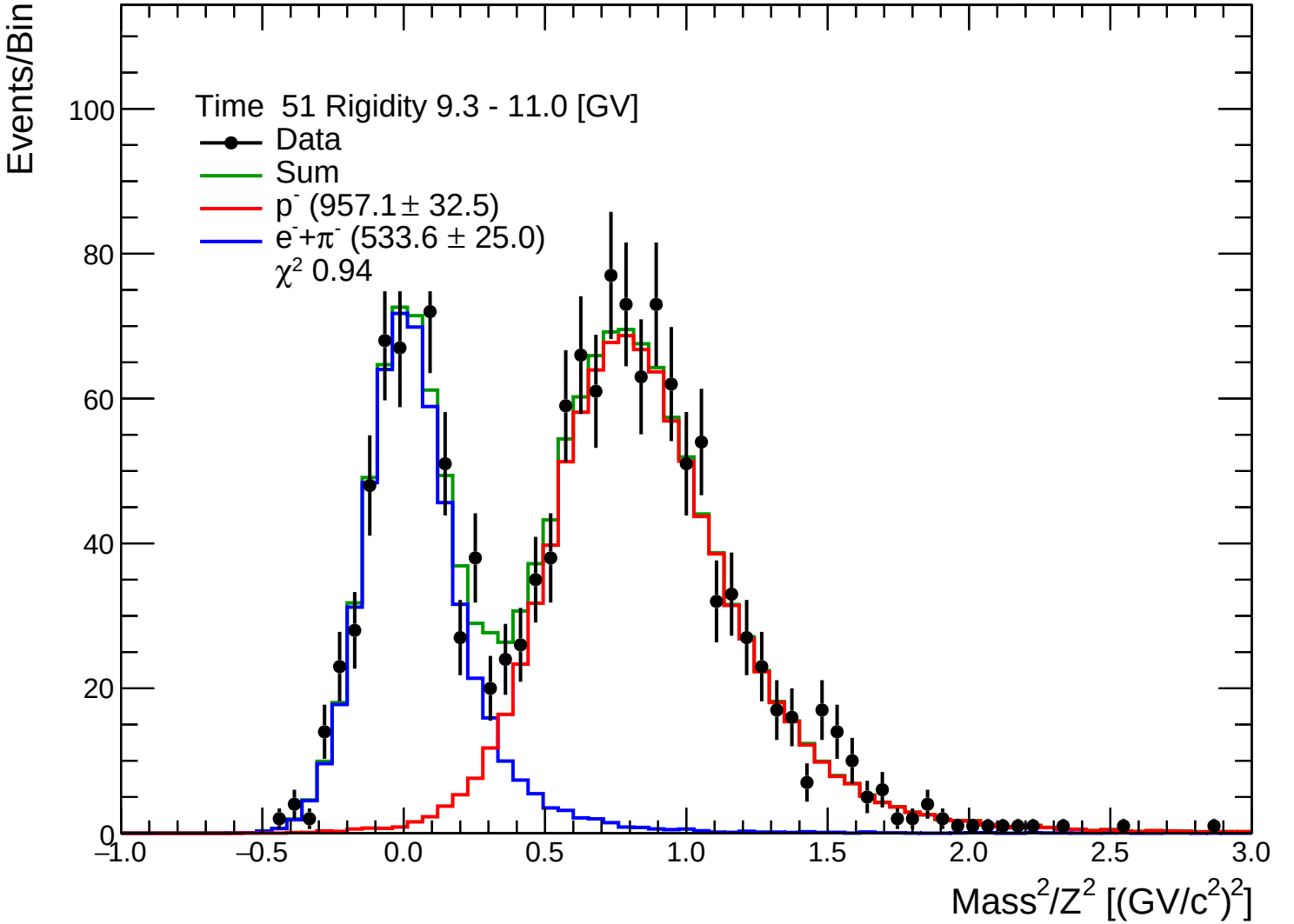

Events/Bin
400
350
300
250
200
150
100
50
0
1004
1006
1008
1010
1012
1014
1016
1018
1020
Number [Temp 0]

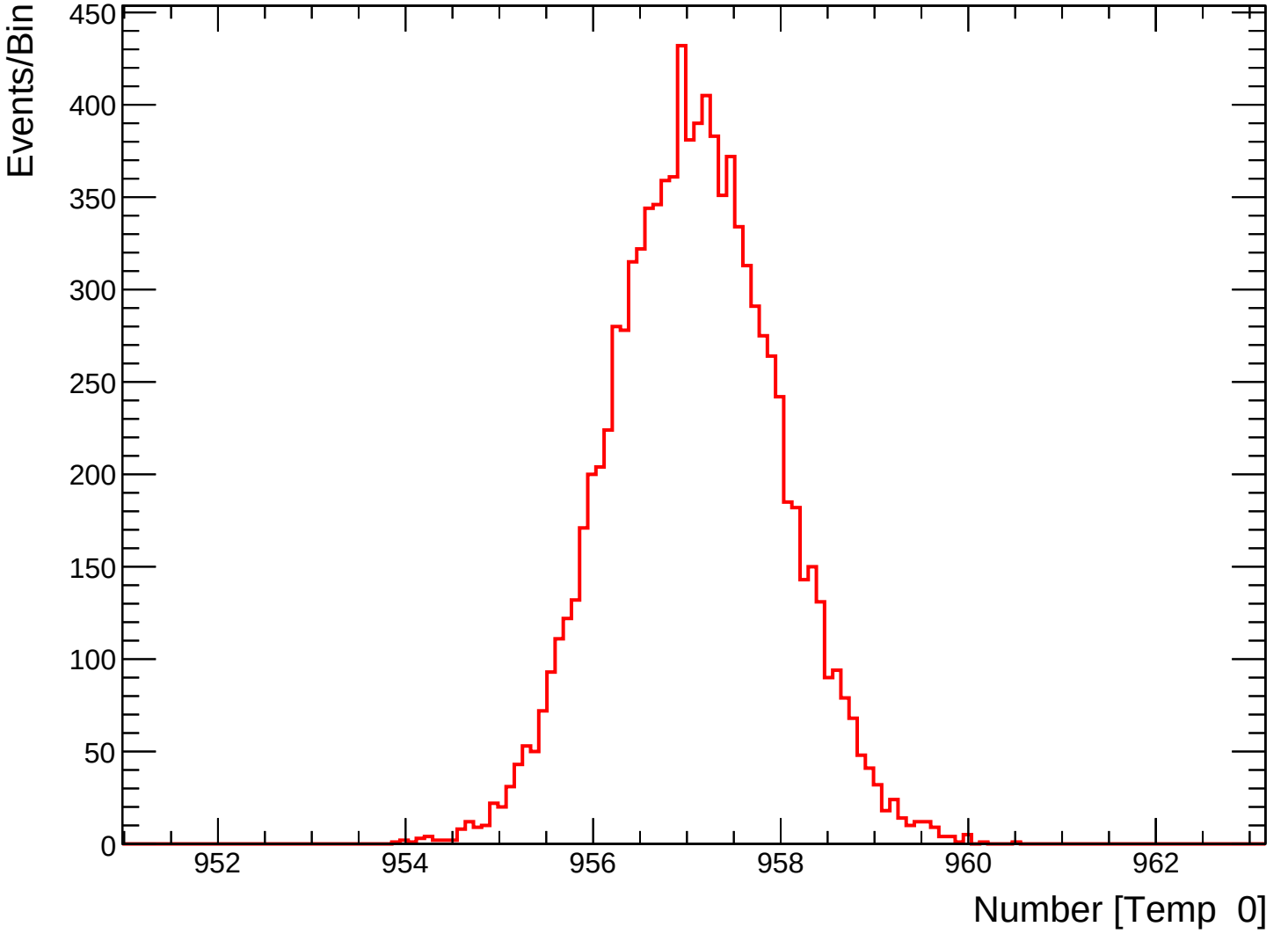

Time 51 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (1036.5 ± 32.8)
e⁻+π⁻ (78.6 ± 10.3)
χ² 1.03
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
160
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

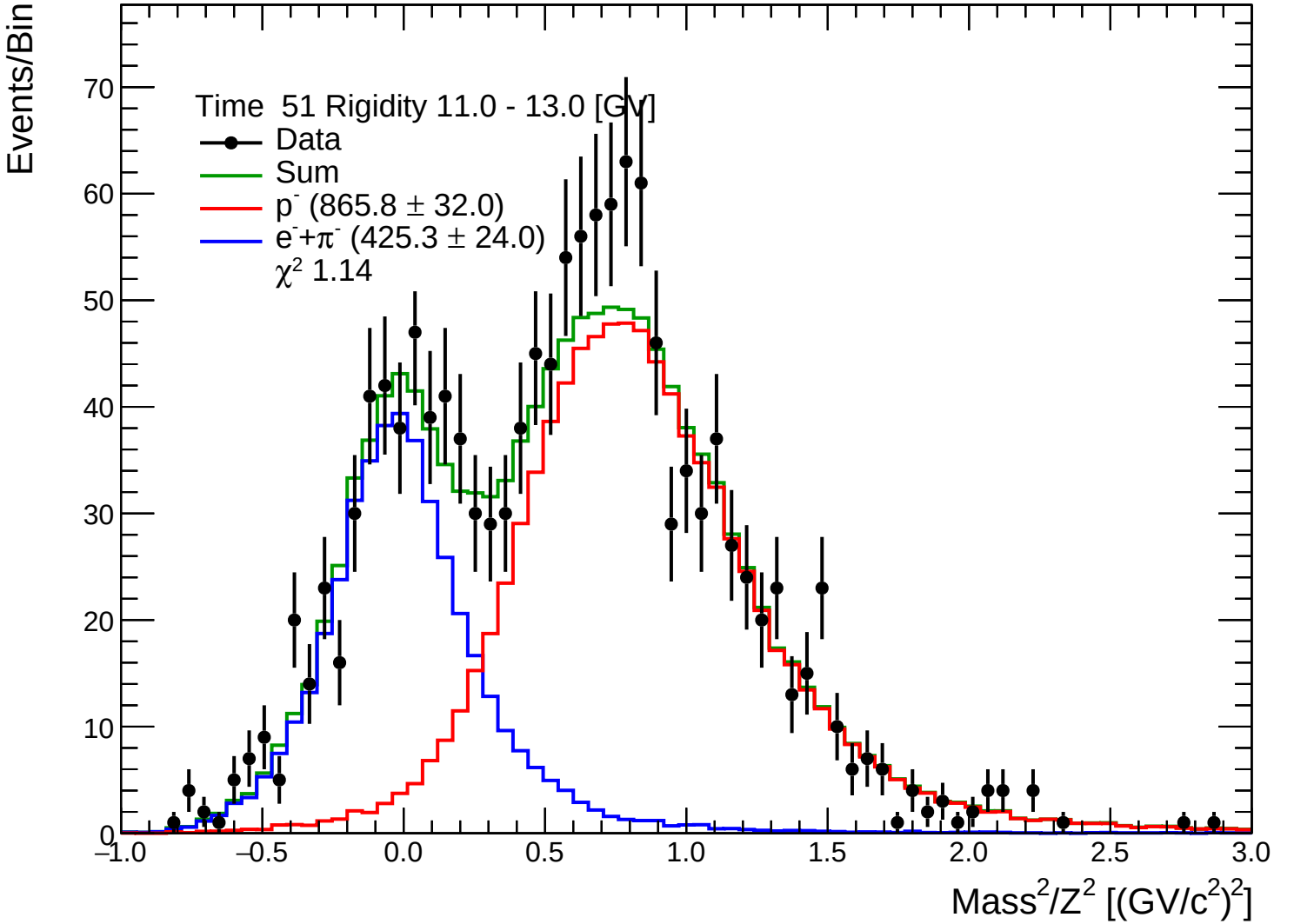

Events/Bin
400
350
300
250
200
150
100
50
0
1032
1034
1036
1038
1040
Number [Temp 0]

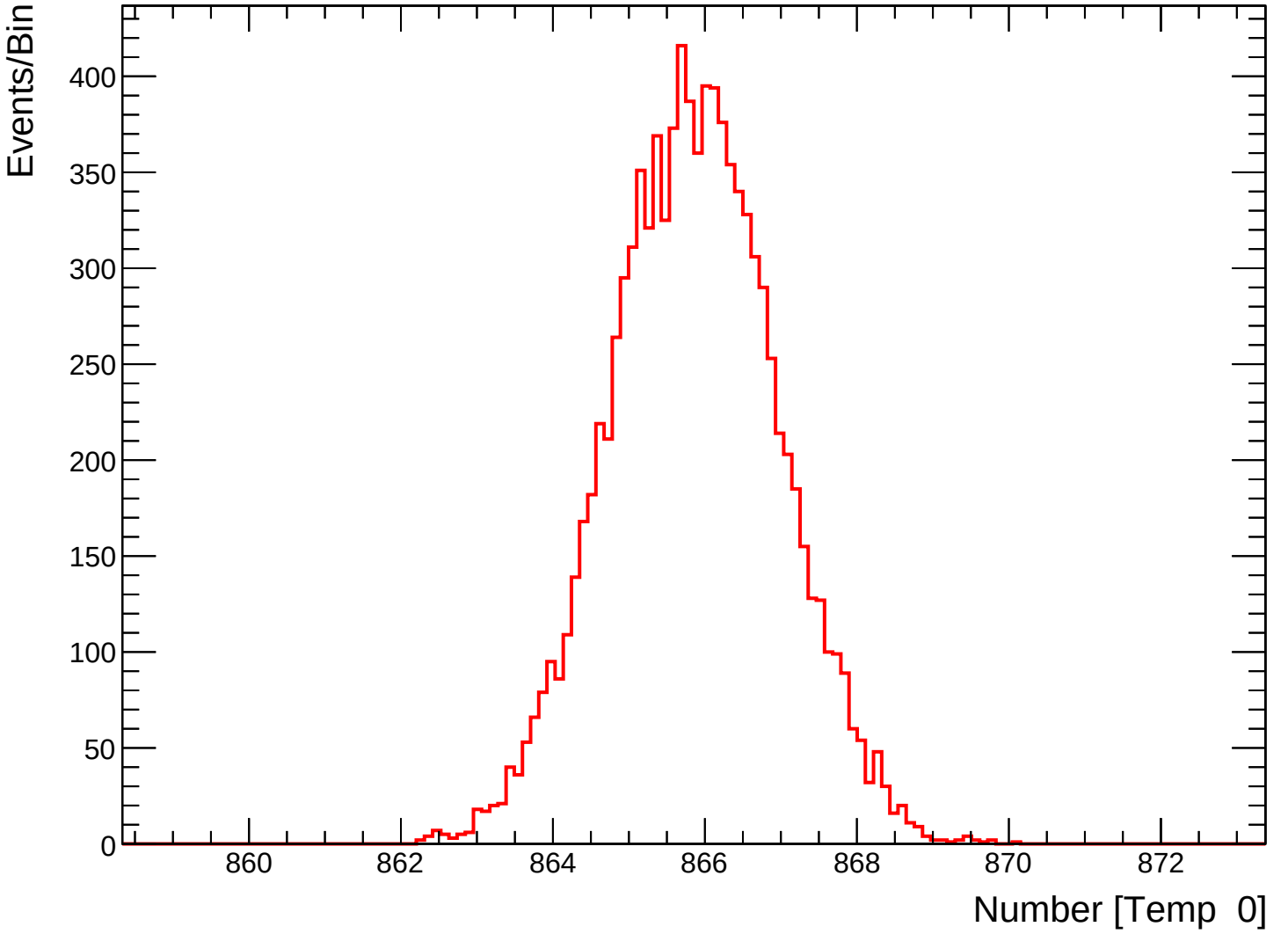

Time 51 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (1044.4 ± 33.1)
e⁻+π⁻ (324.1 ± 19.1)
χ² 0.90
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
120
140
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

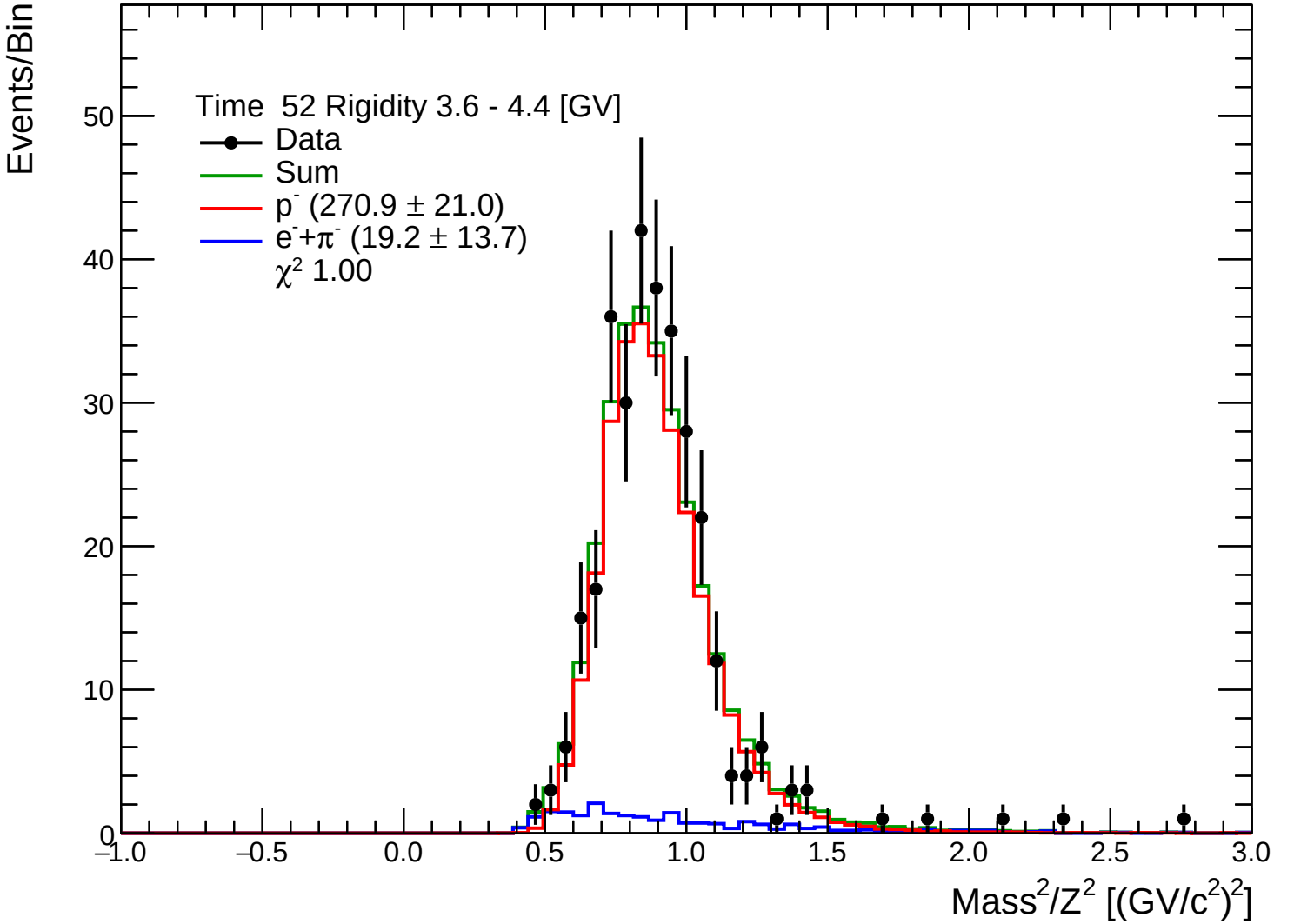

Events/Bin
450
400
350
300
250
200
150
100
50
0
1040
1041
1042
1043
1044
1045
1046
1047
1048
Number [Temp 0]

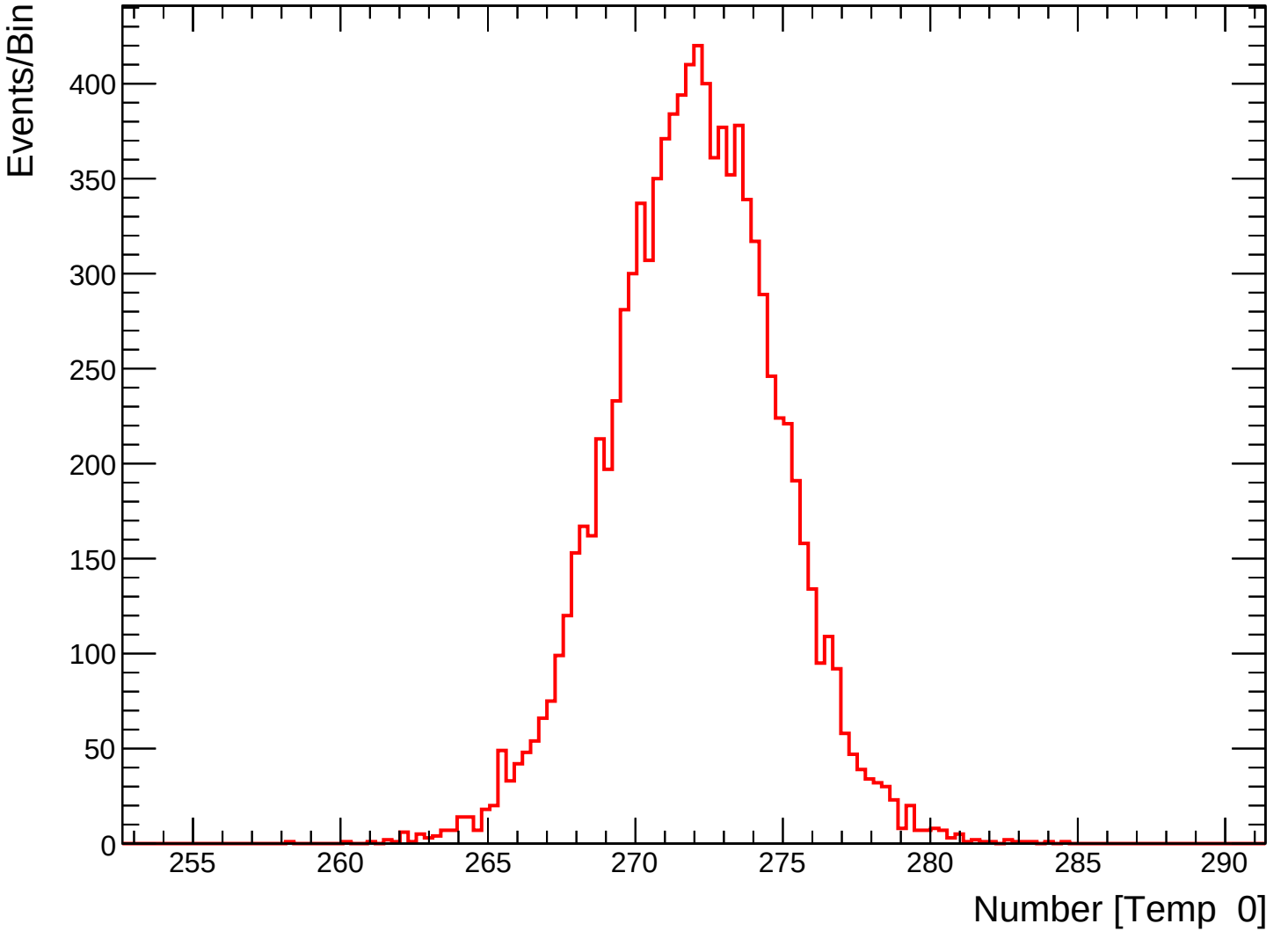

Time 51 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (957.1 ± 32.5)
e⁻+π⁻ (533.6 ± 25.0)
χ² 0.94
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

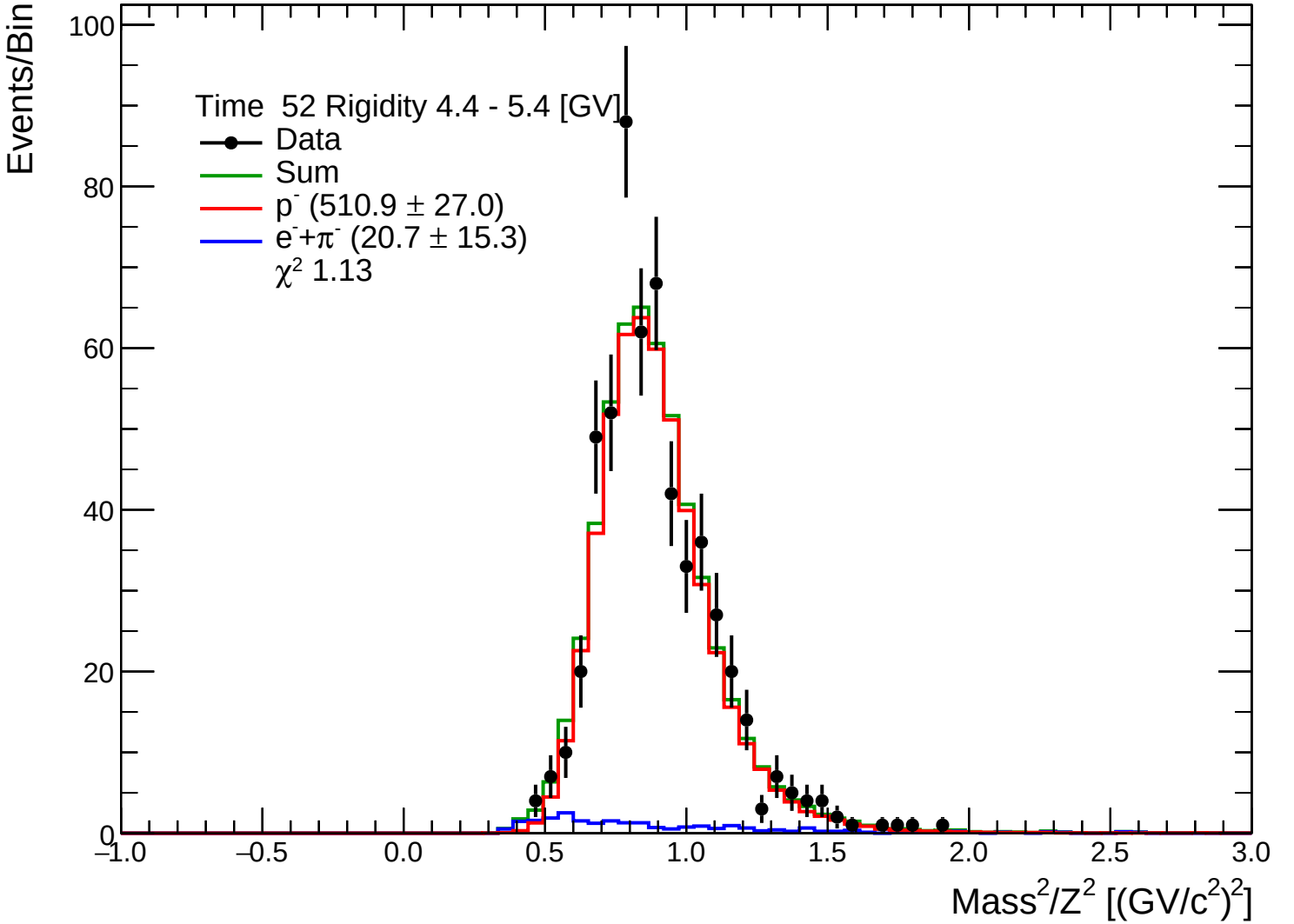

Events/Bin
450
400
350
300
250
200
150
100
50
0
952
954
956
958
960
962
Number [Temp 0]

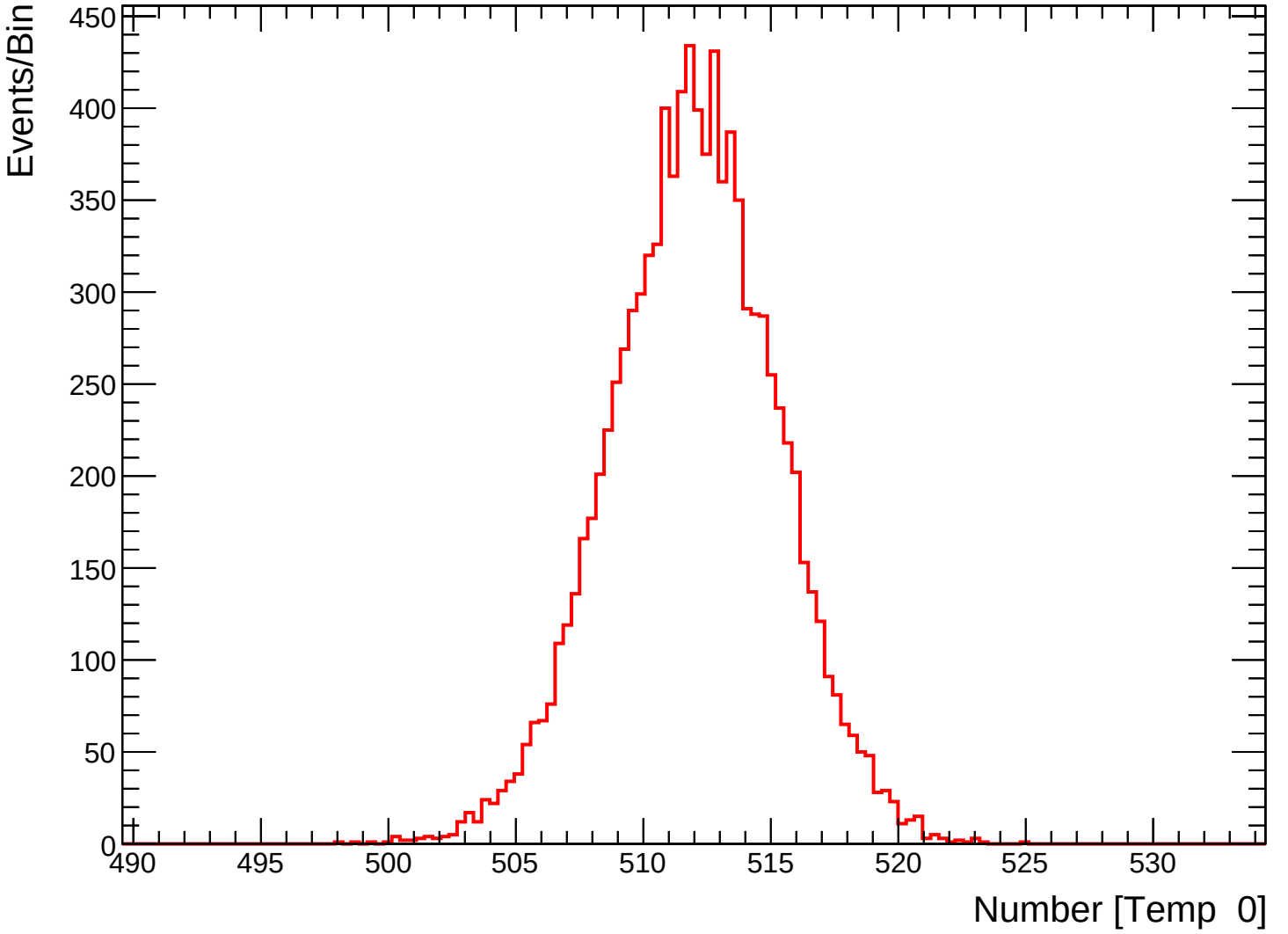

Time 51 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (865.8 ± 32.0)
e⁻+π⁻ (425.3 ± 24.0)
χ² 1.14
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

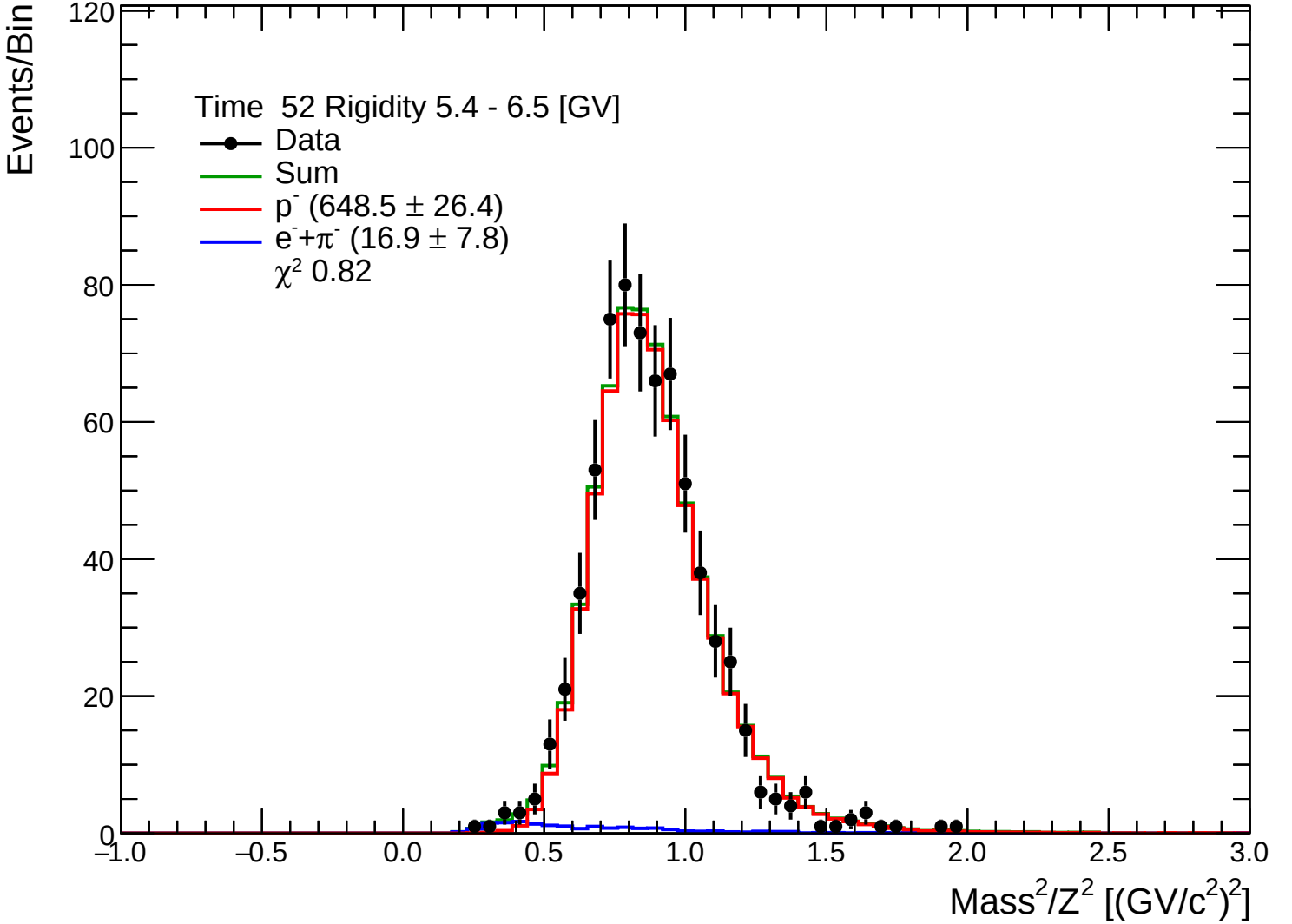

Events/Bin
400
350
300
250
200
150
100
50
0
860
862
864
866
868
870
872
Number [Temp 0]

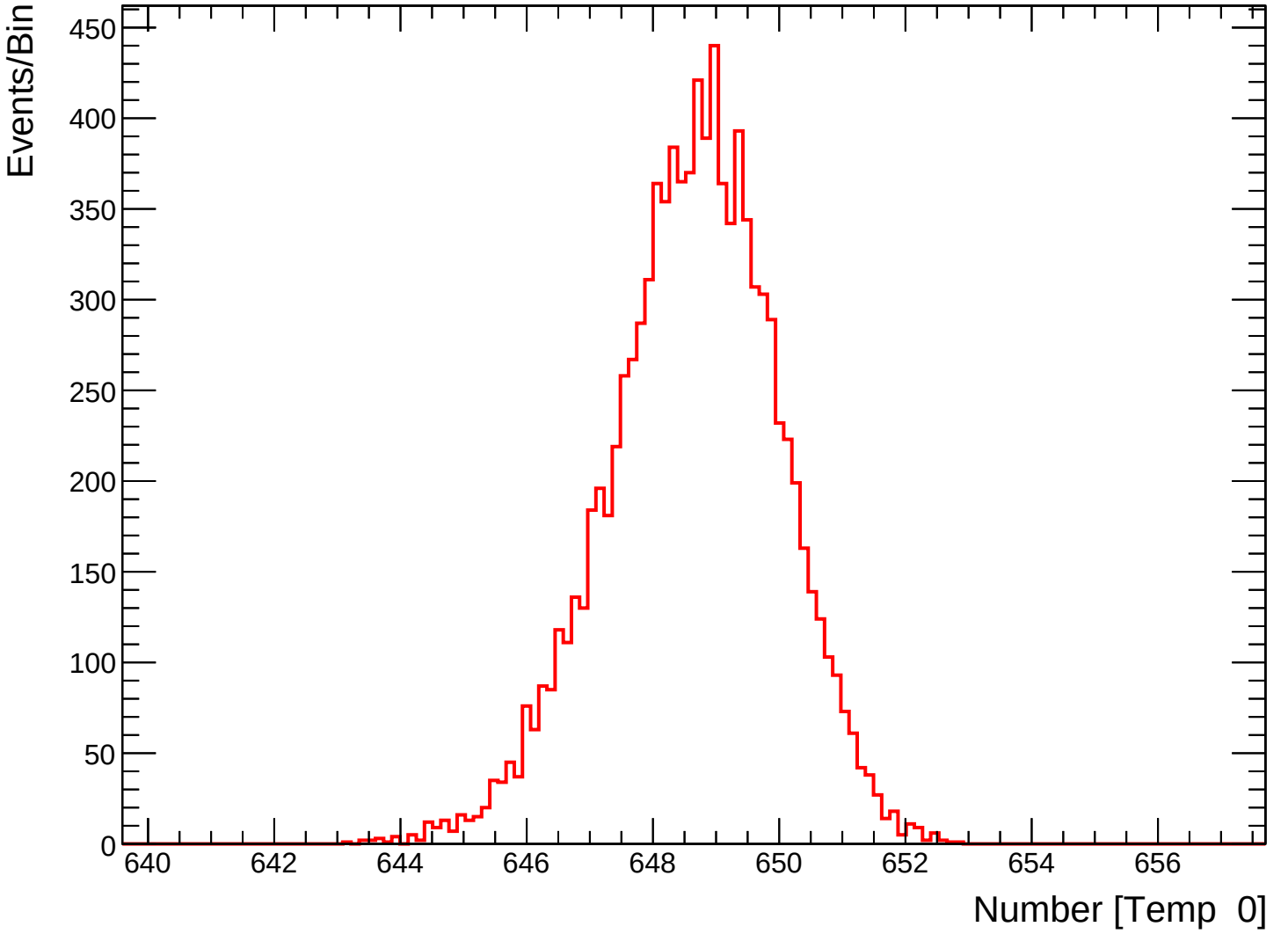

Time 52 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (270.9 ± 21.0)
e⁻+π⁻ (19.2 ± 13.7)
χ² 1.00
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

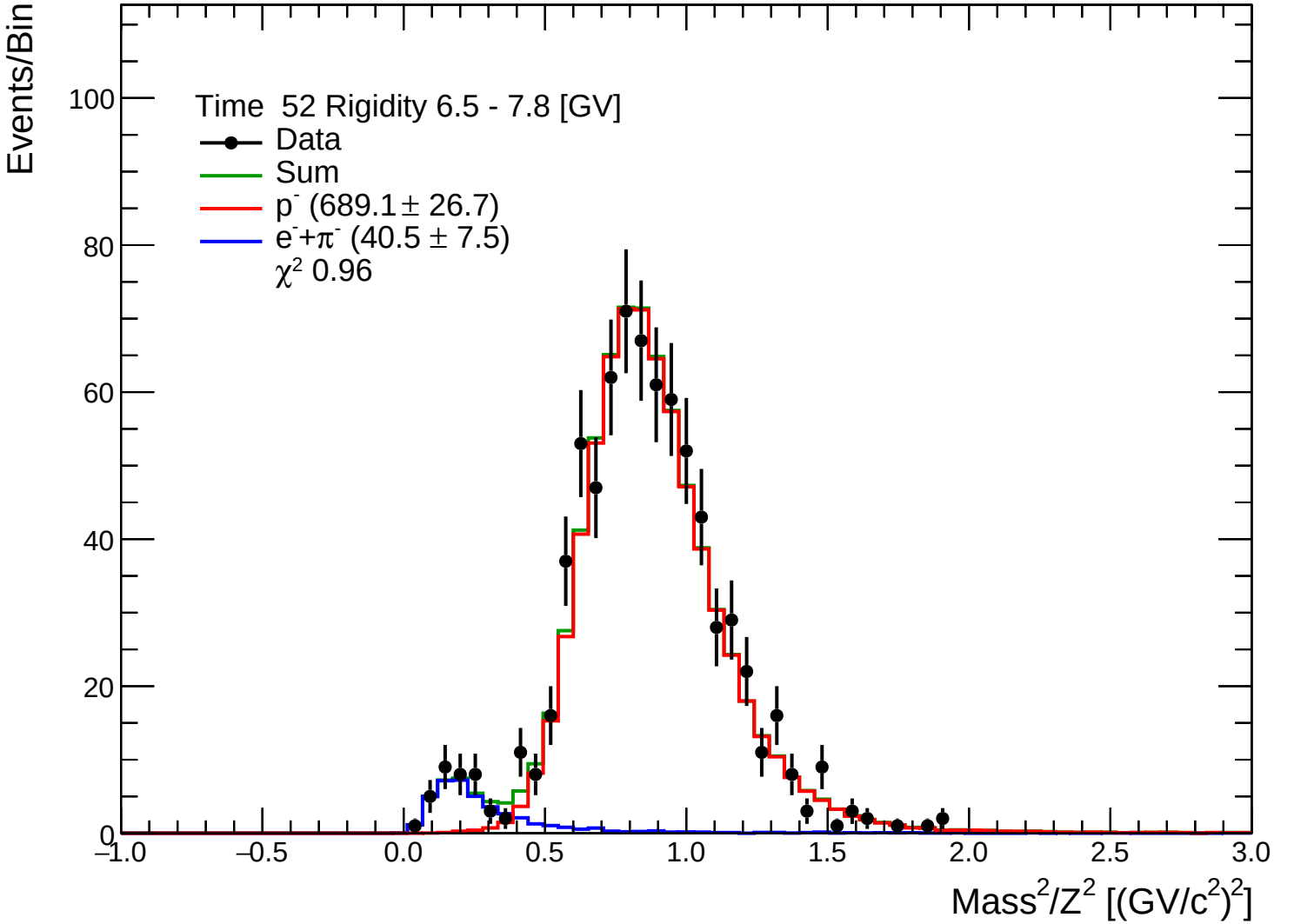

Events/Bin
0
50
100
150
200
250
300
350
400
255
260
265
270
275
280
285
290
Number [Temp 0]

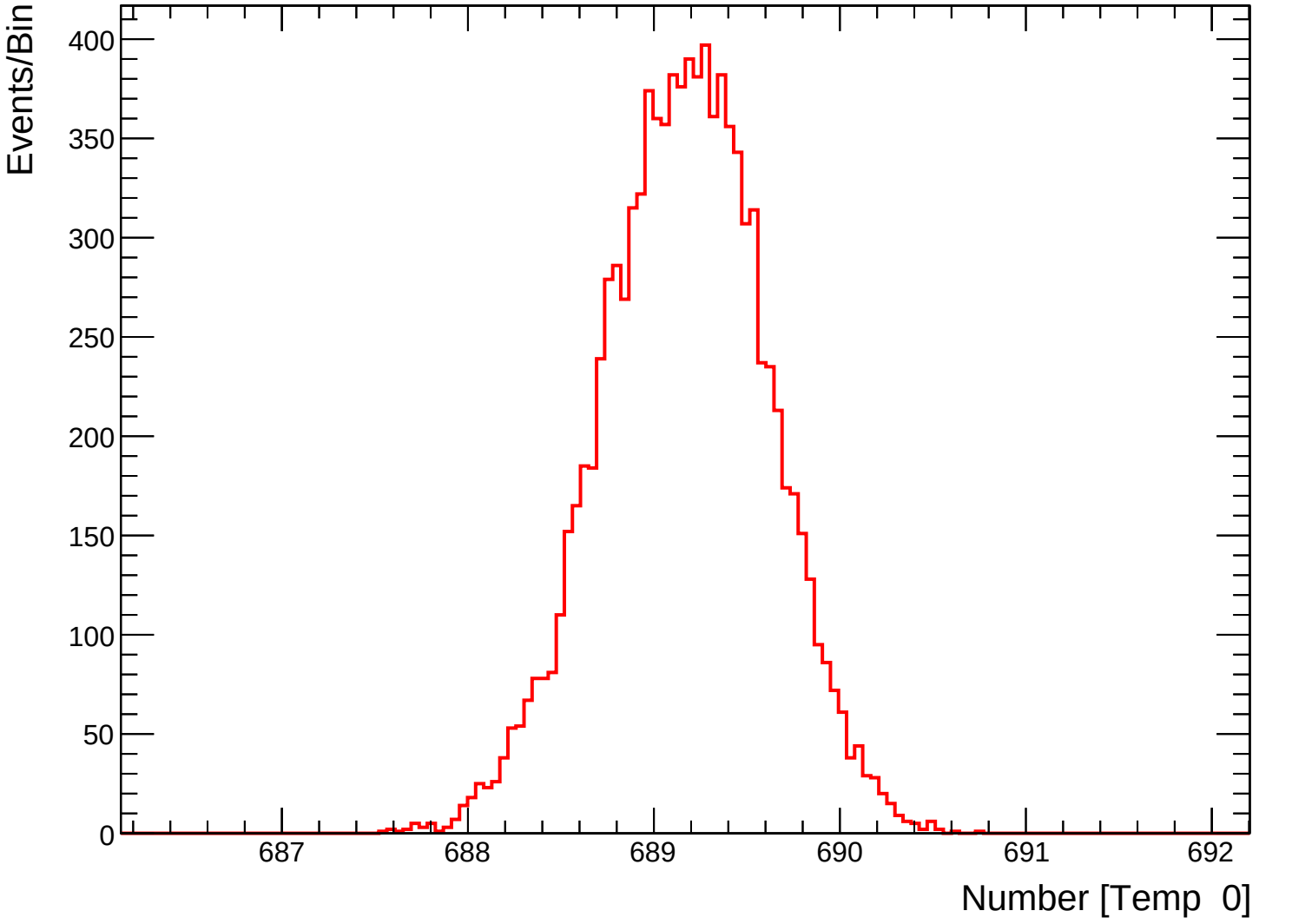

Time 52 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (510.9 ± 27.0)
e⁻+π⁻ (20.7 ± 15.3)
χ² 1.13
Events/Bin
Mass²/Z² [(GV/c²)²]
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

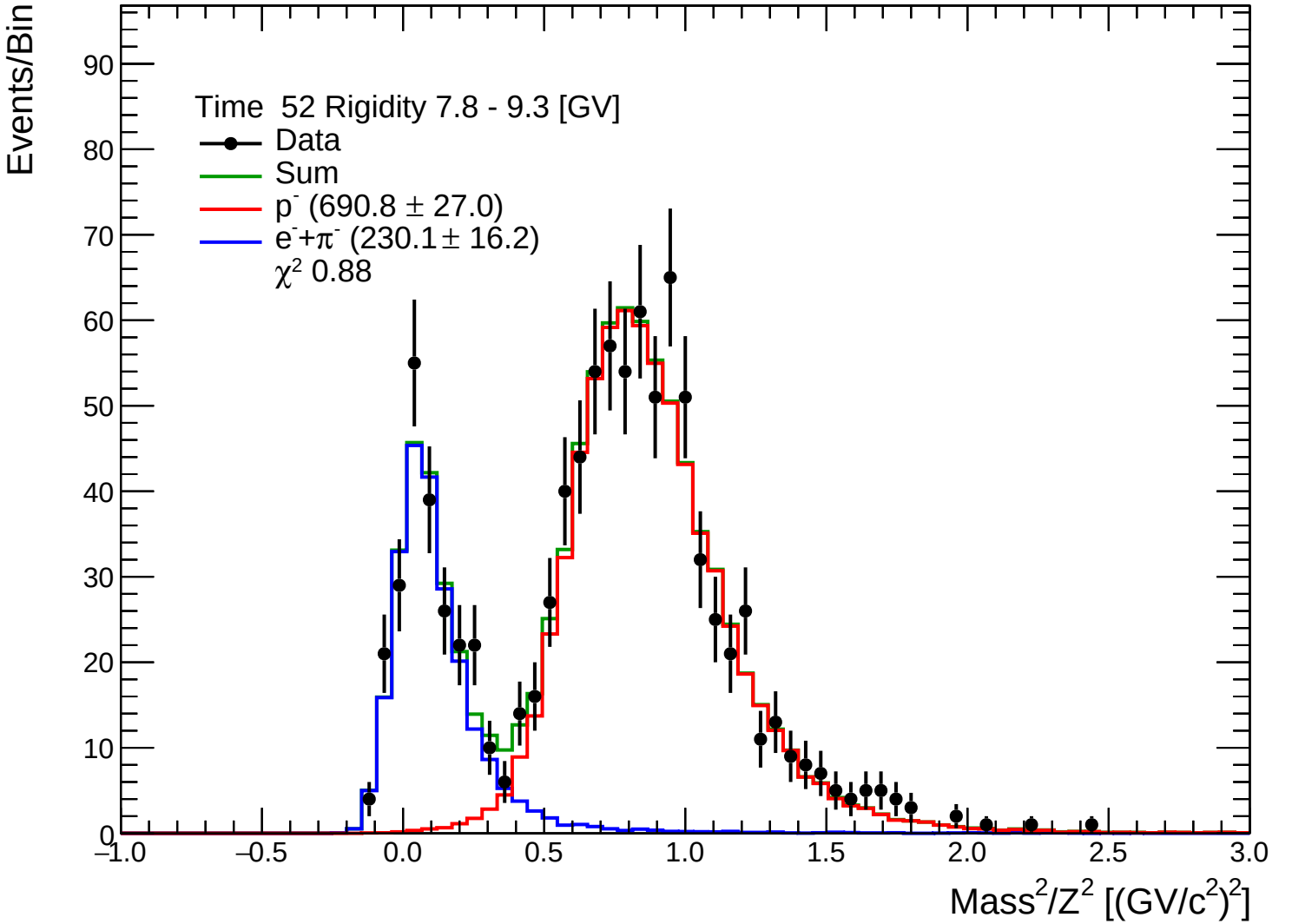

Events/Bin
450
400
350
300
250
200
150
100
50
0
490
495
500
505
510
515
520
525
530
Number [Temp 0]

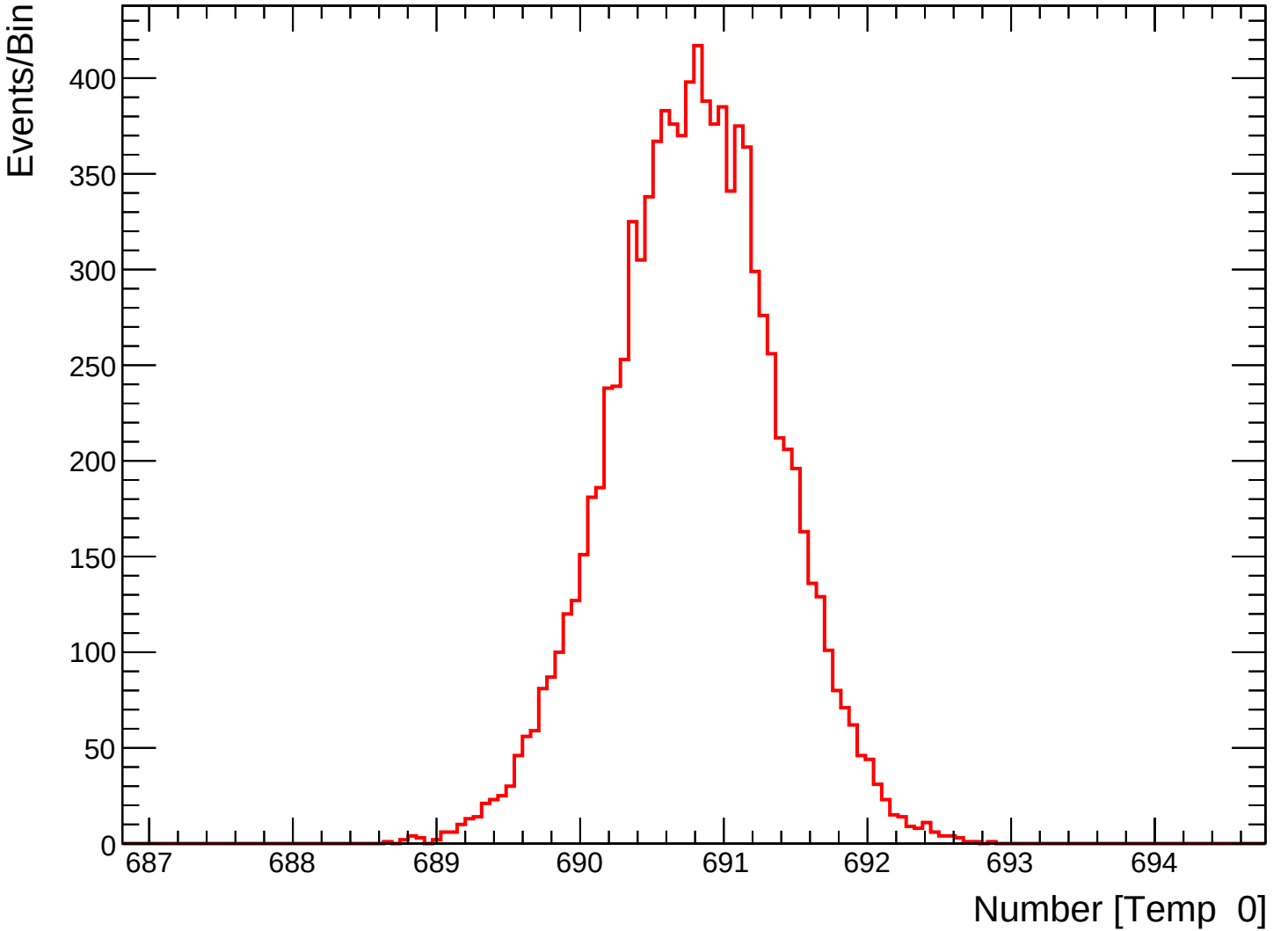

Time 52 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (648.5 ± 26.4)
e⁻+π⁻ (16.9 ± 7.8)
χ² 0.82
Events/Bin
Mass²/Z² [(GV/c²)²]
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

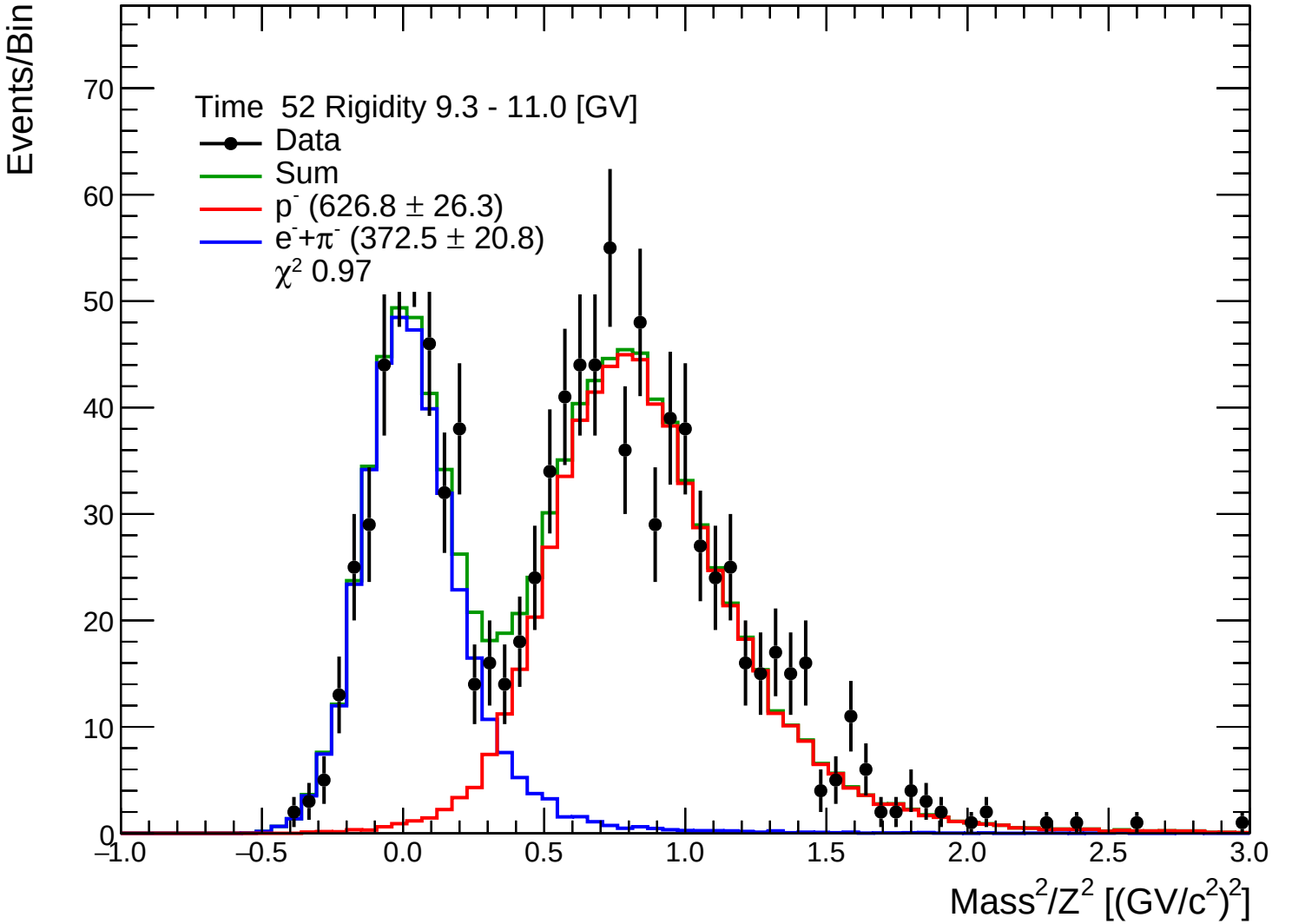

Events/Bin
450
400
350
300
250
200
150
100
50
0
640
642
644
646
648
650
652
654
656
Number [Temp 0]

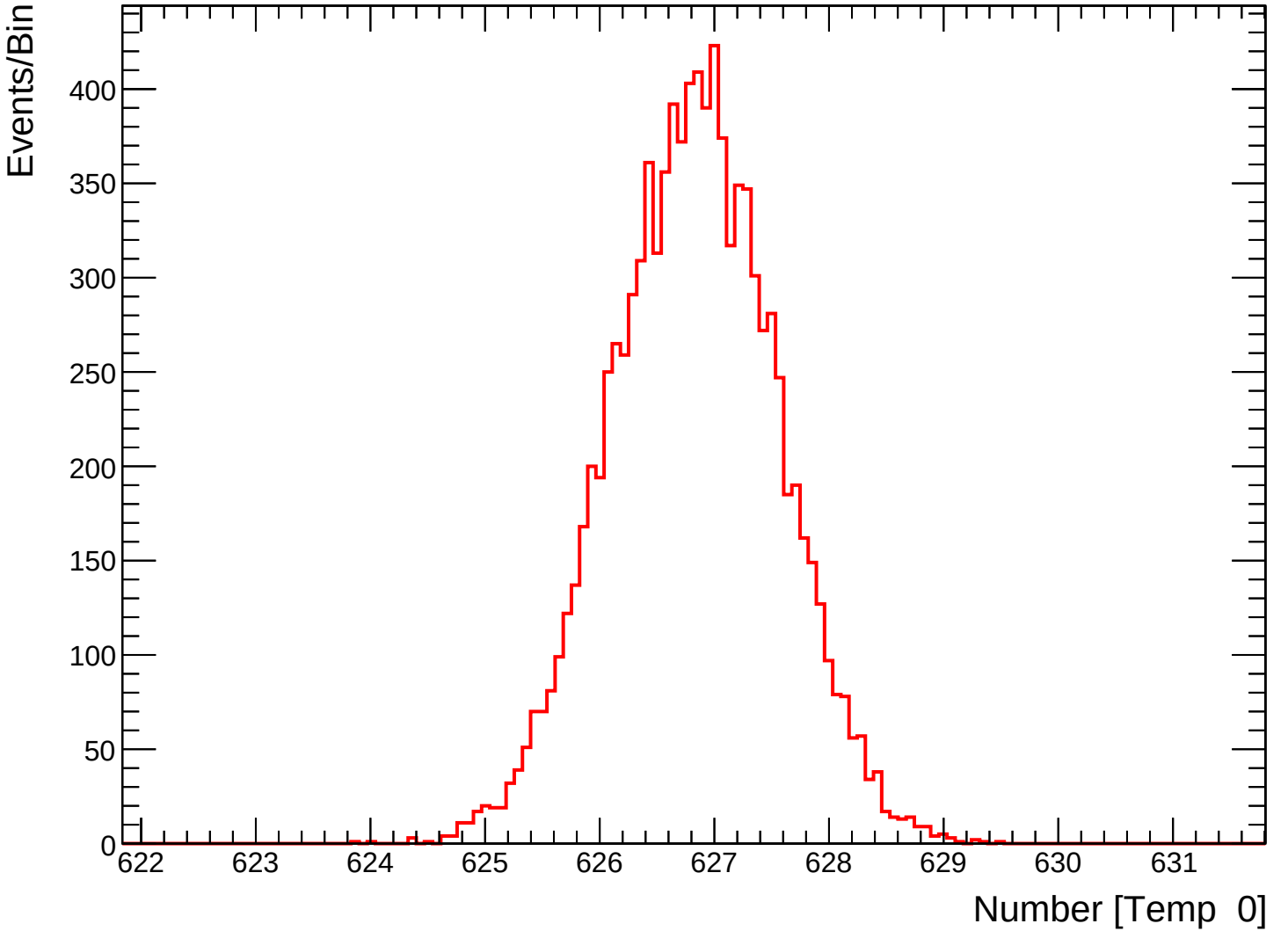

Time 52 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (689.1 ± 26.7)
e⁻+π⁻ (40.5 ± 7.5)
χ² 0.96
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

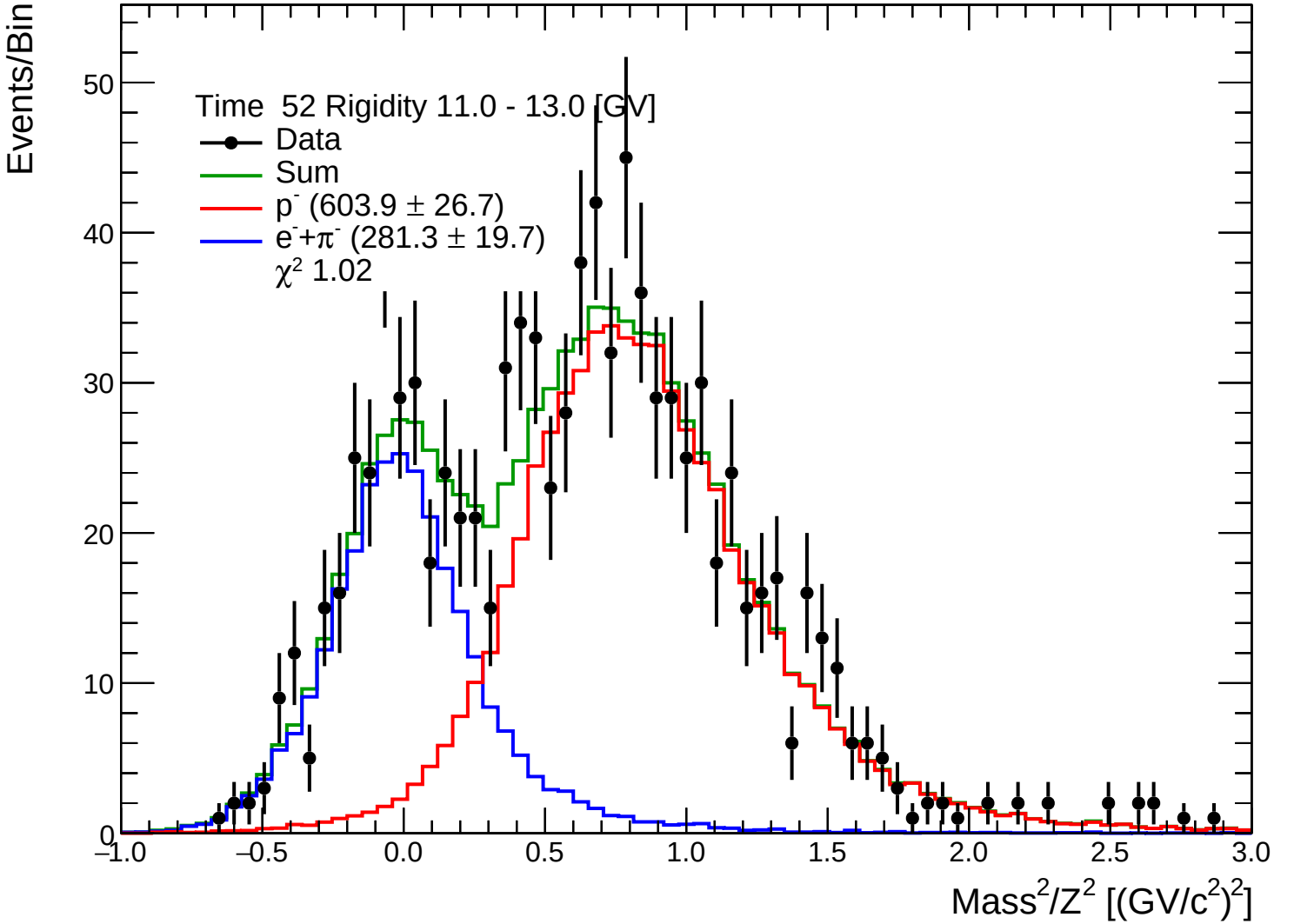

Events/Bin
400
350
300
250
200
150
100
50
0
687
688
689
690
691
692
Number [Temp 0]

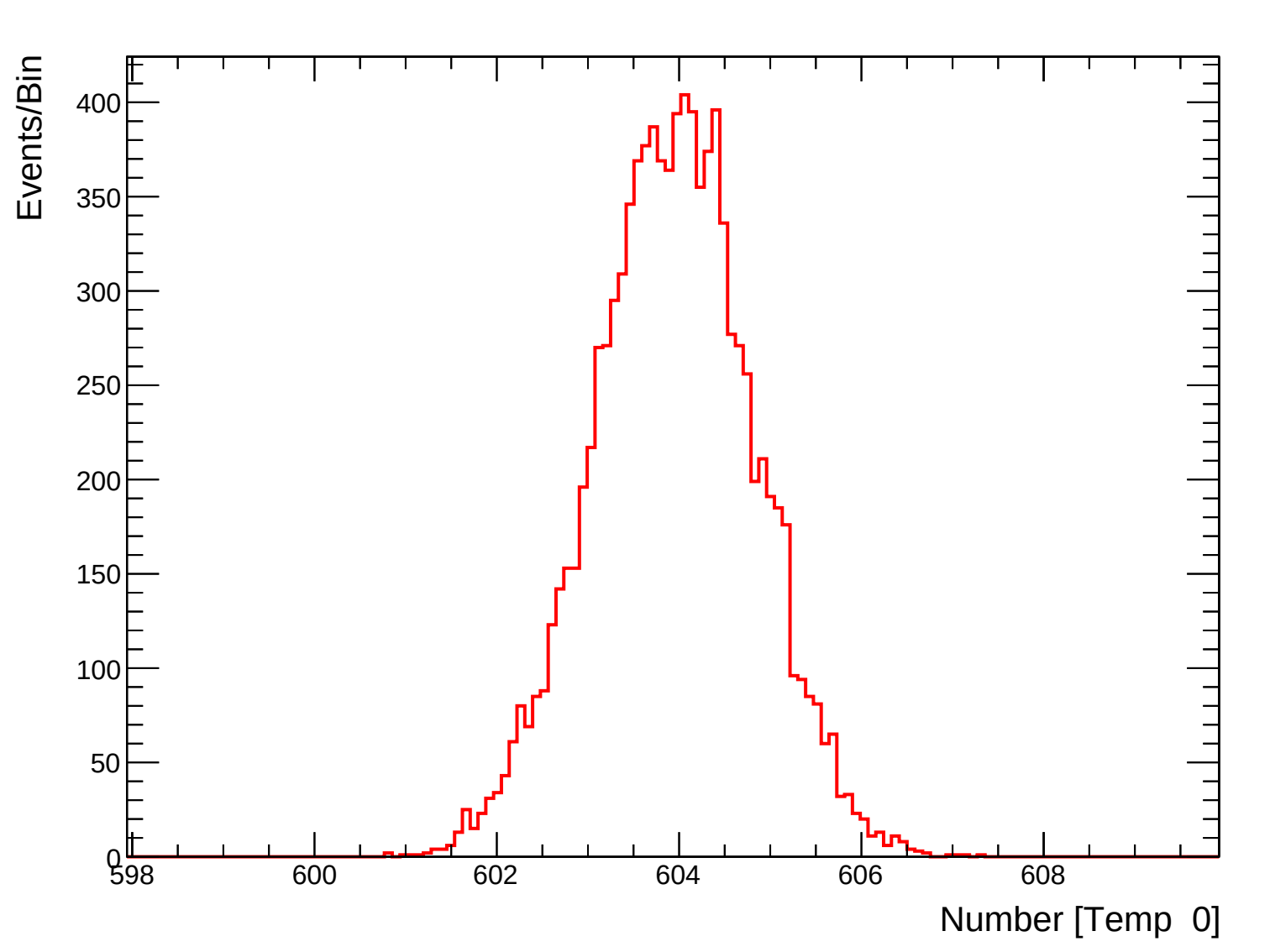

Time 52 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (690.8 ± 27.0)
e⁻+π⁻ (230.1 ± 16.2)
χ² 0.88
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

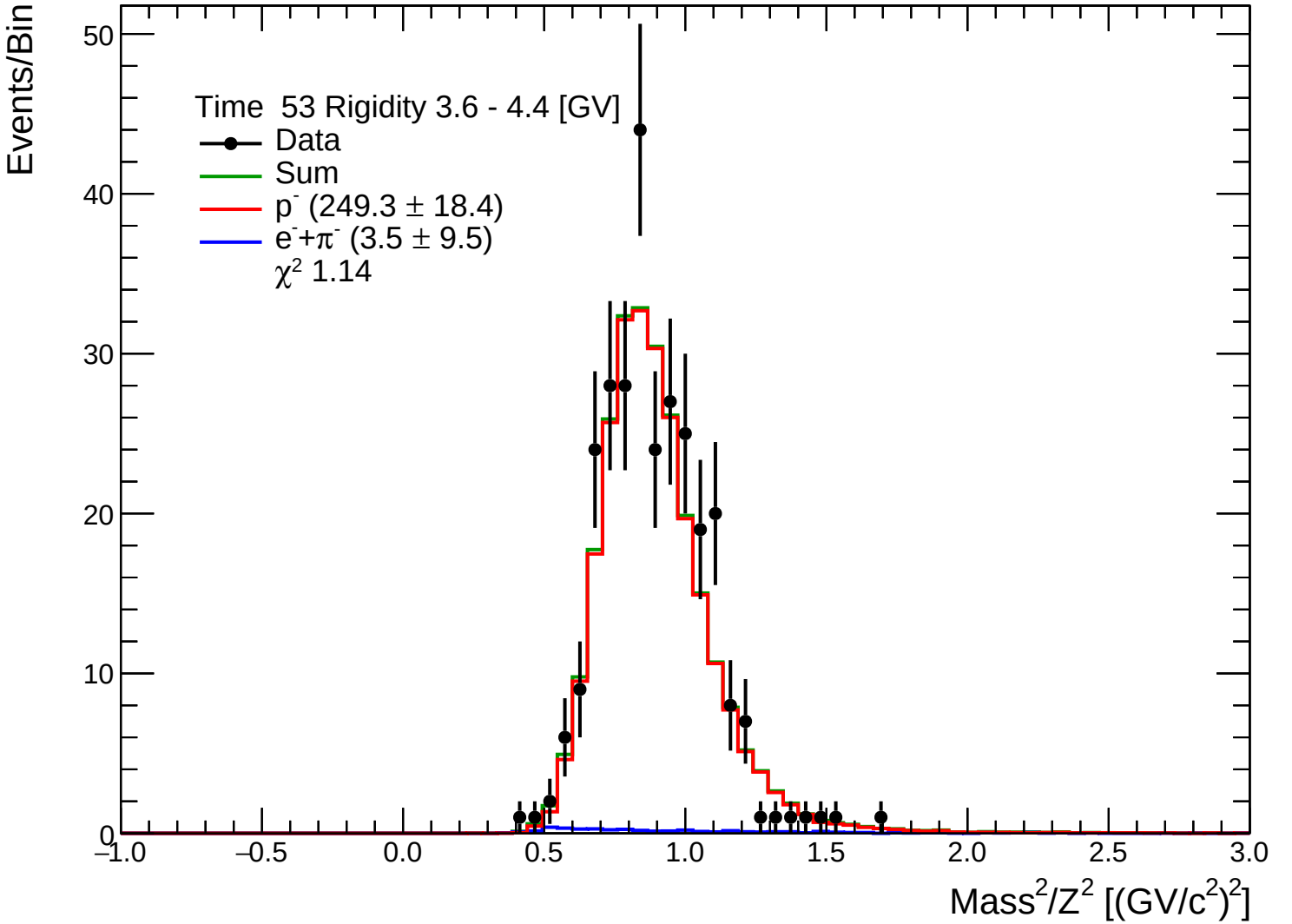

Events/Bin
400
350
300
250
200
150
100
50
0
687
688
689
690
691
692
693
694
Number [Temp 0]

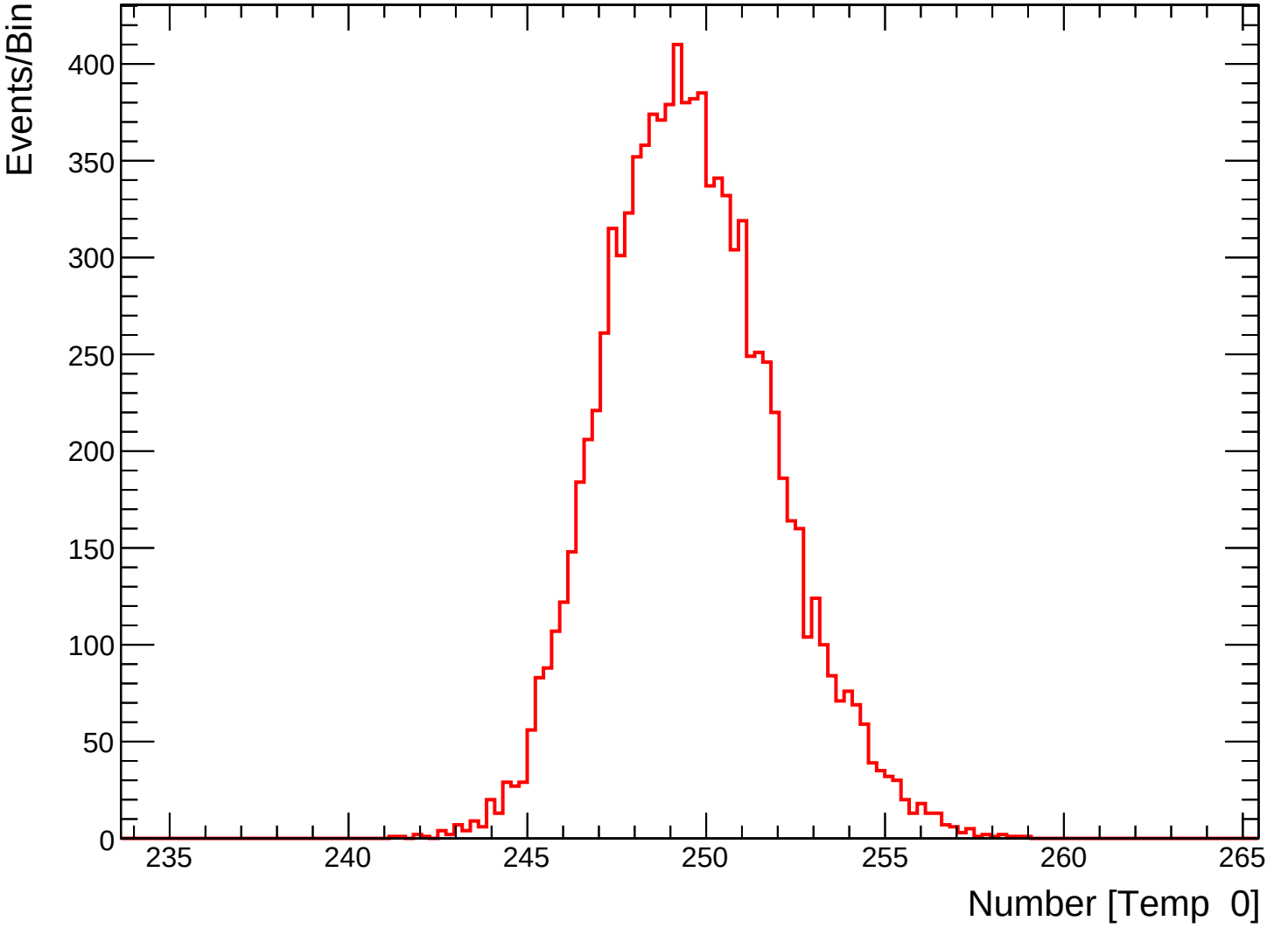

Time 52 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (626.8 ± 26.3)
e⁻+π⁻ (372.5 ± 20.8)
χ² 0.97
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

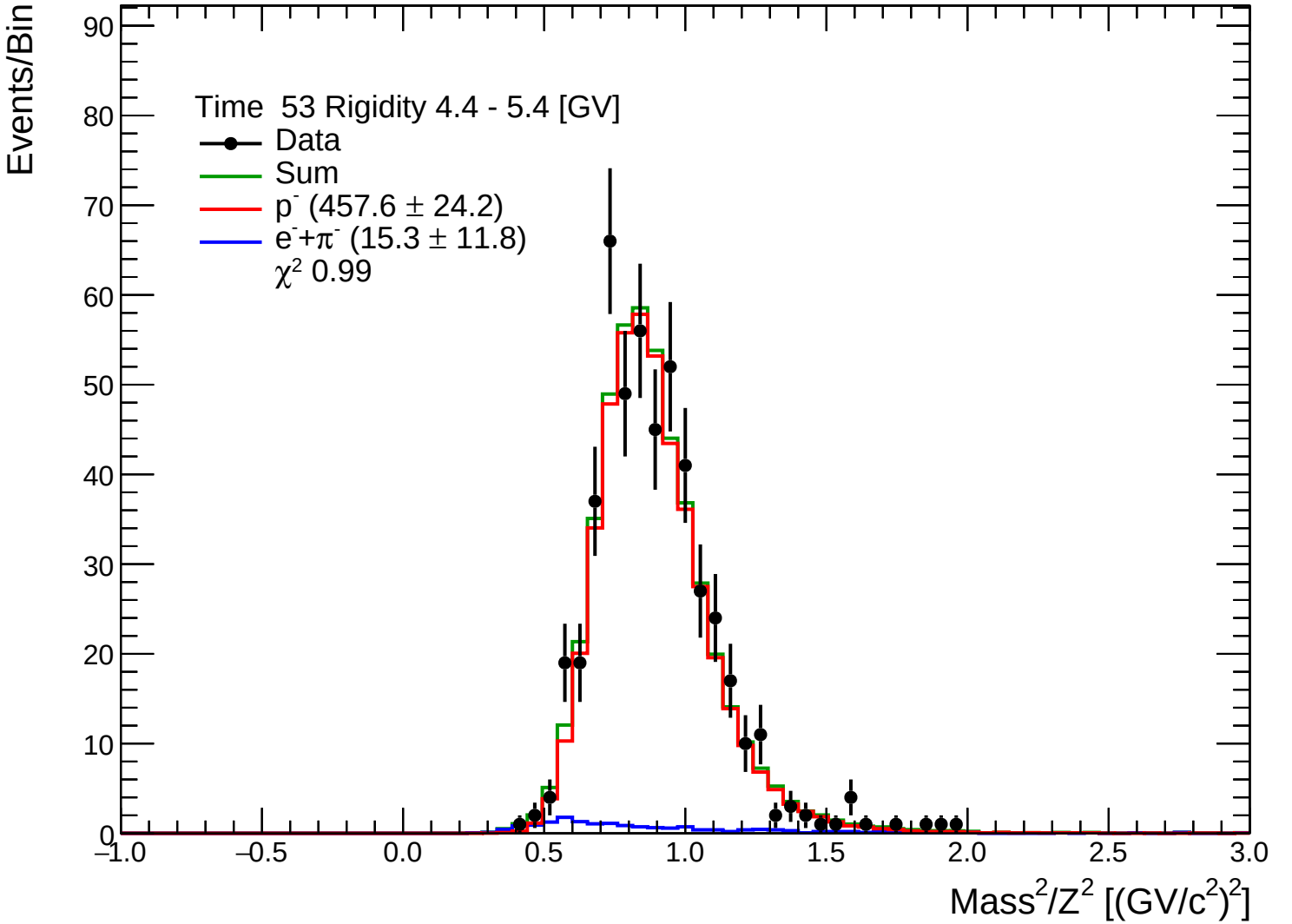

Events/Bin
0
50
100
150
200
250
300
350
400
622
623
624
625
626
627
628
629
630
631
Number [Temp 0]

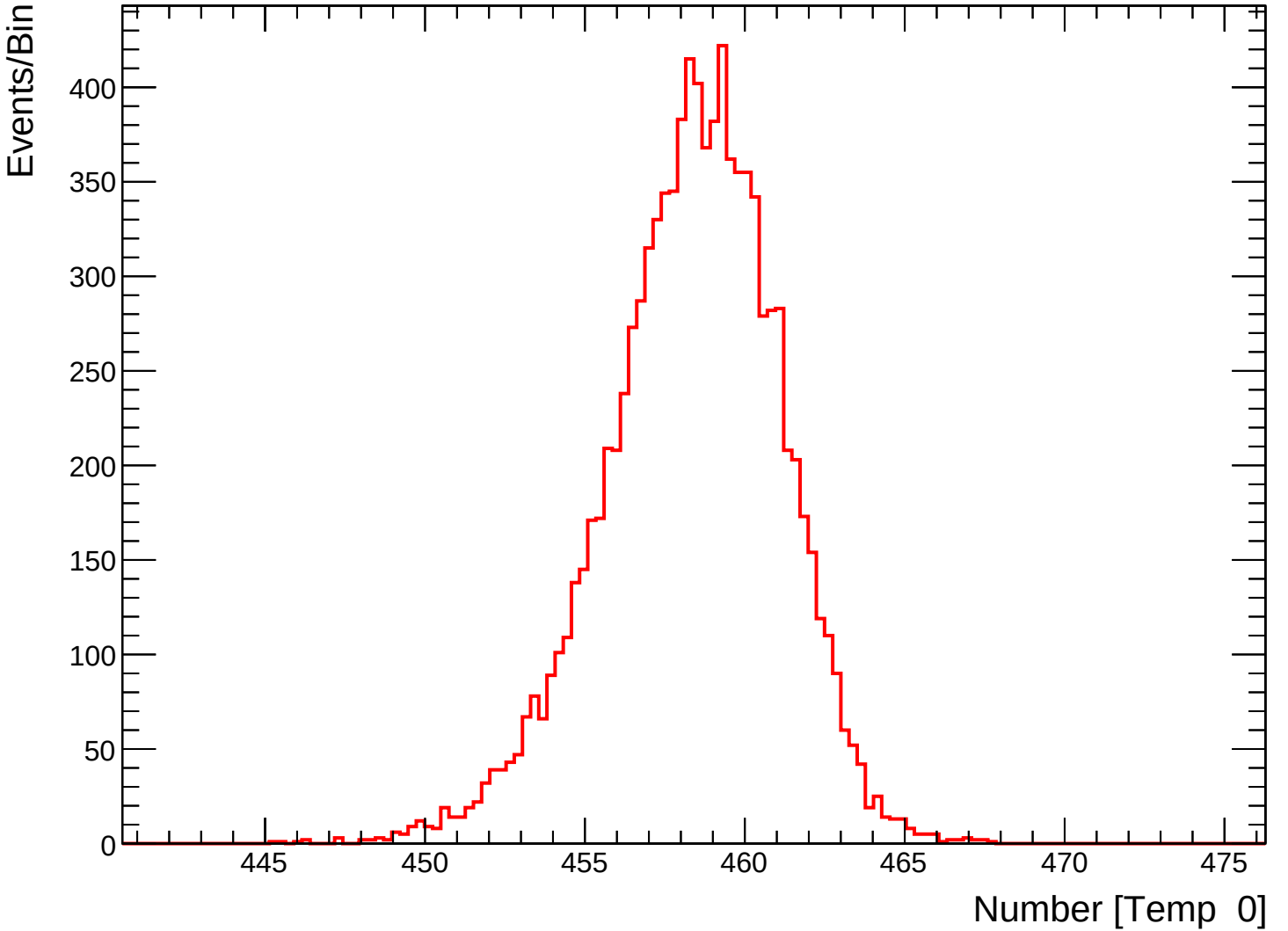

Time 52 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (603.9 ± 26.7)
e⁻+π⁻ (281.3 ± 19.7)
χ² 1.02
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

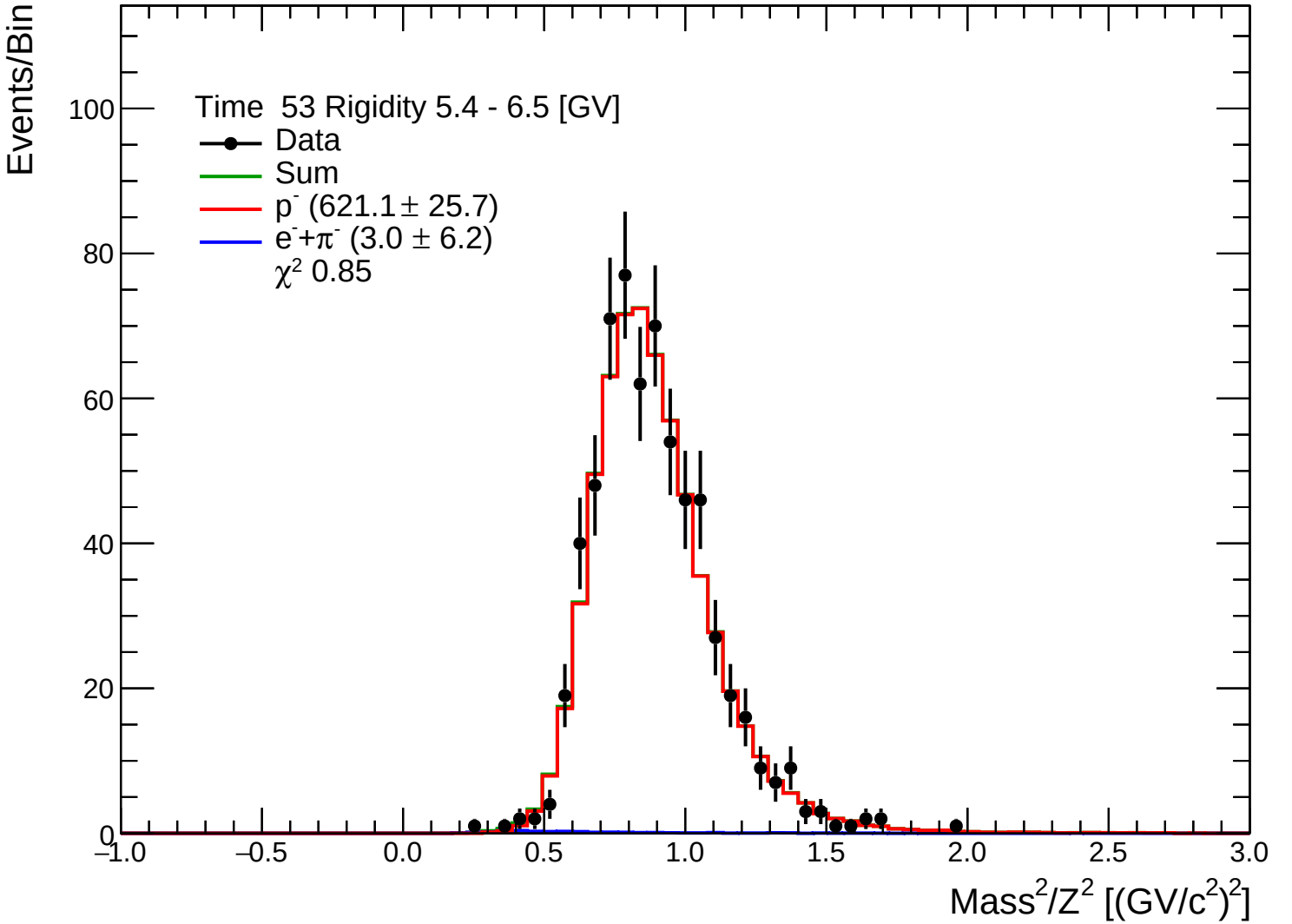

Events/Bin
400
350
300
250
200
150
100
50
0
598
600
602
604
606
608
Number [Temp 0]

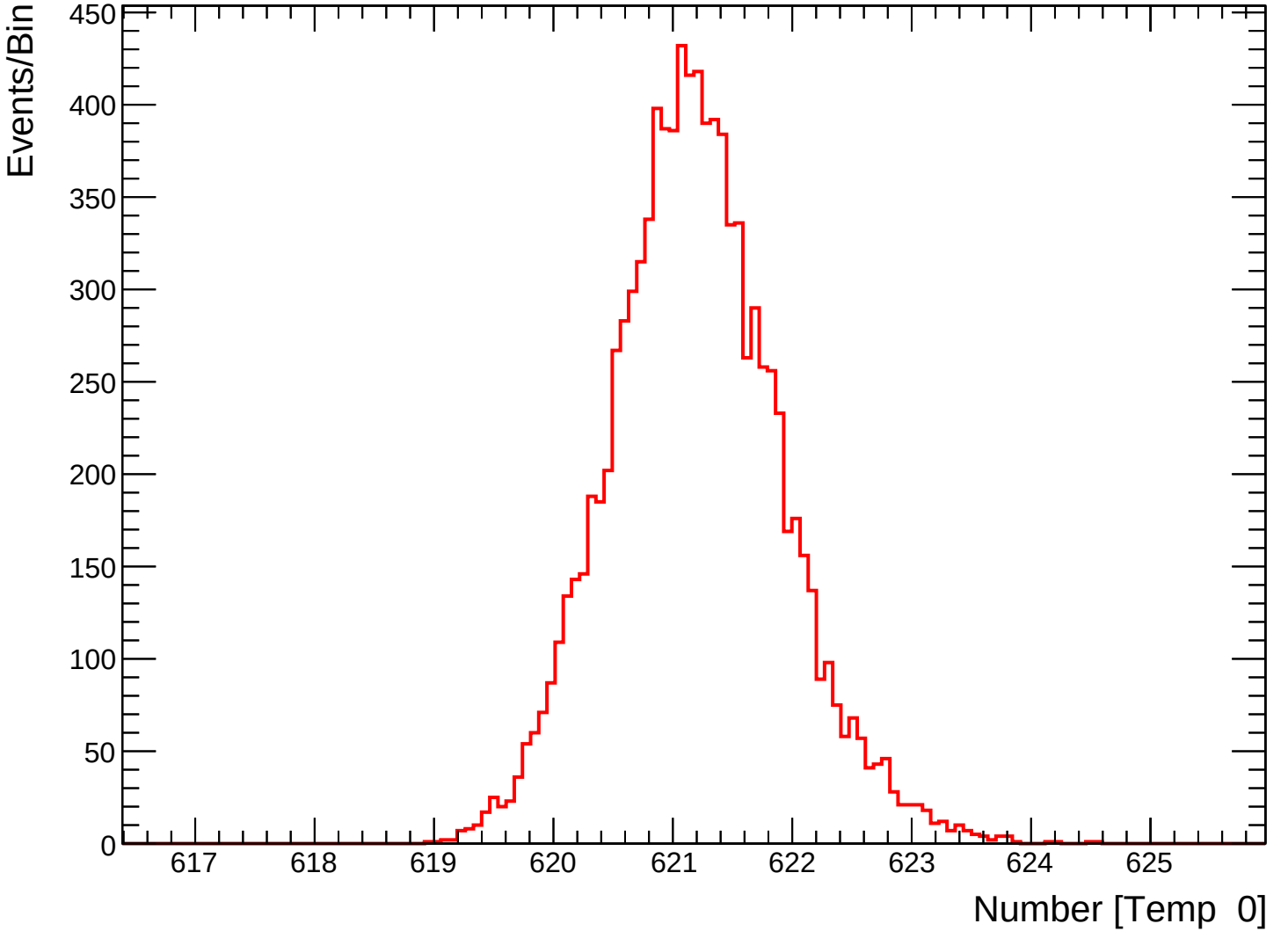

Time 53 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (249.3 ± 18.4)
e⁻+π⁻ (3.5 ± 9.5)
χ² 1.14
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

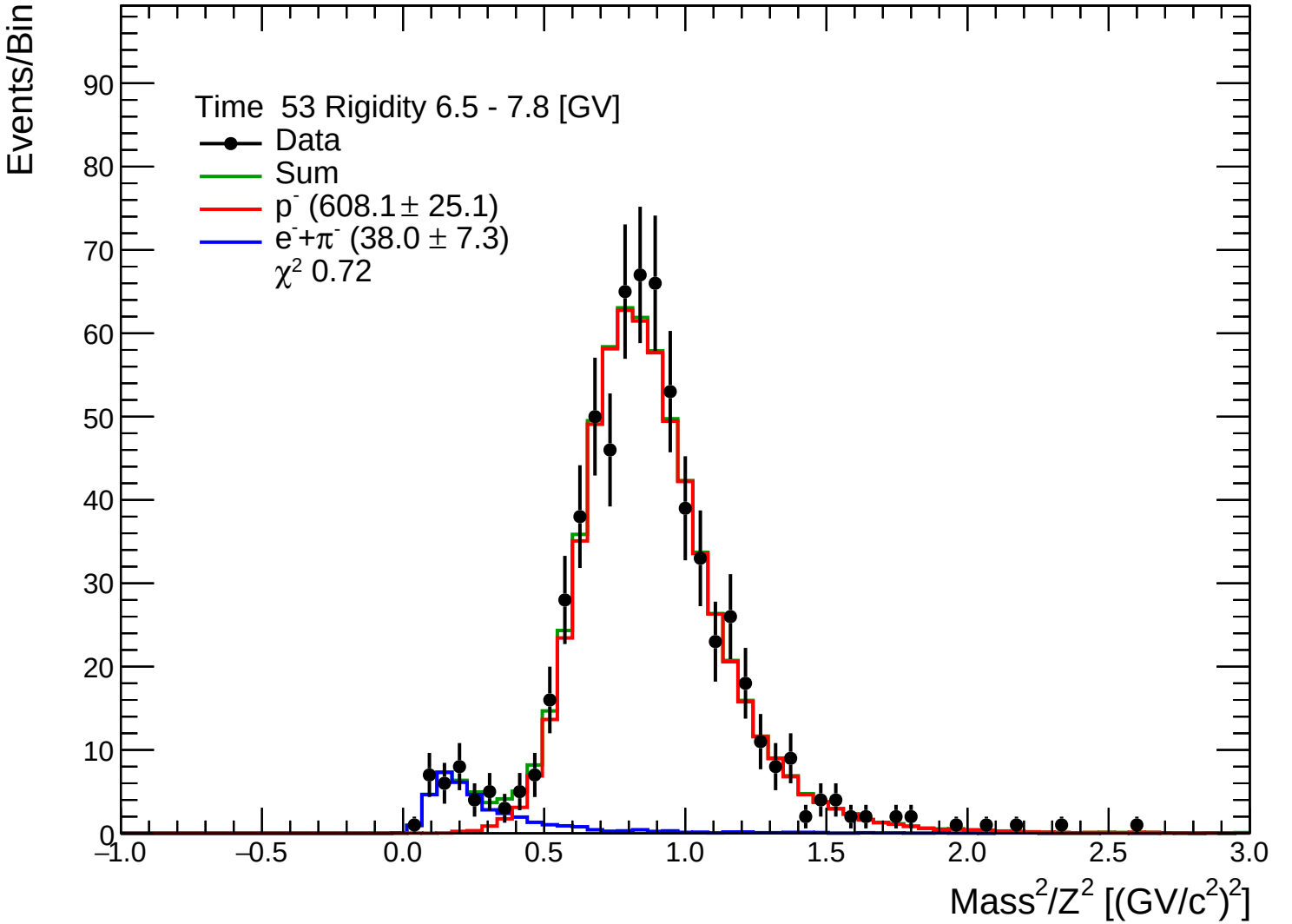

Events/Bin
400
350
300
250
200
150
100
50
0
235
240
245
250
255
260
265
Number [Temp 0]

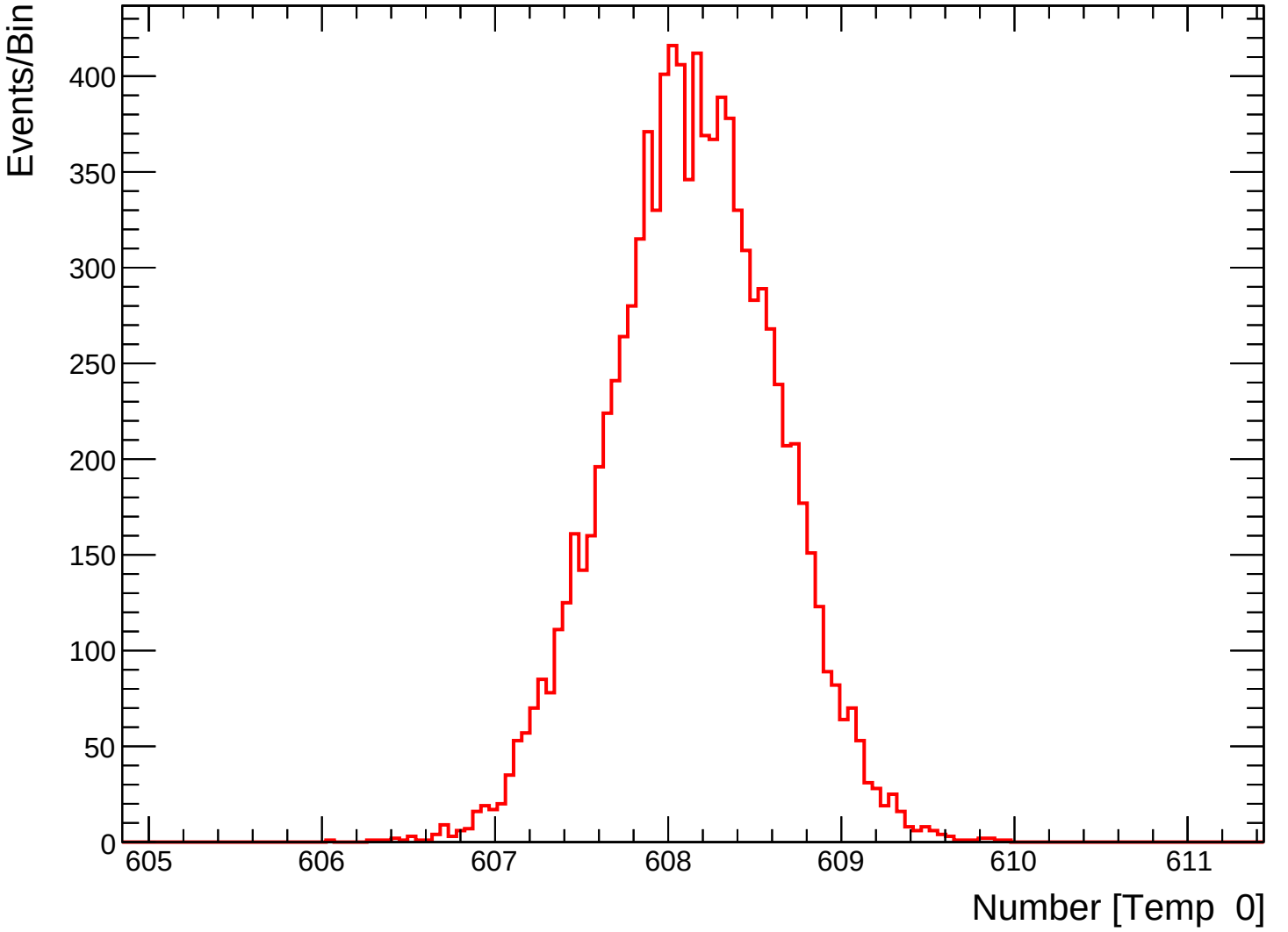

Time 53 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (457.6 ± 24.2)
e⁻+π⁻ (15.3 ± 11.8)
χ² 0.99
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

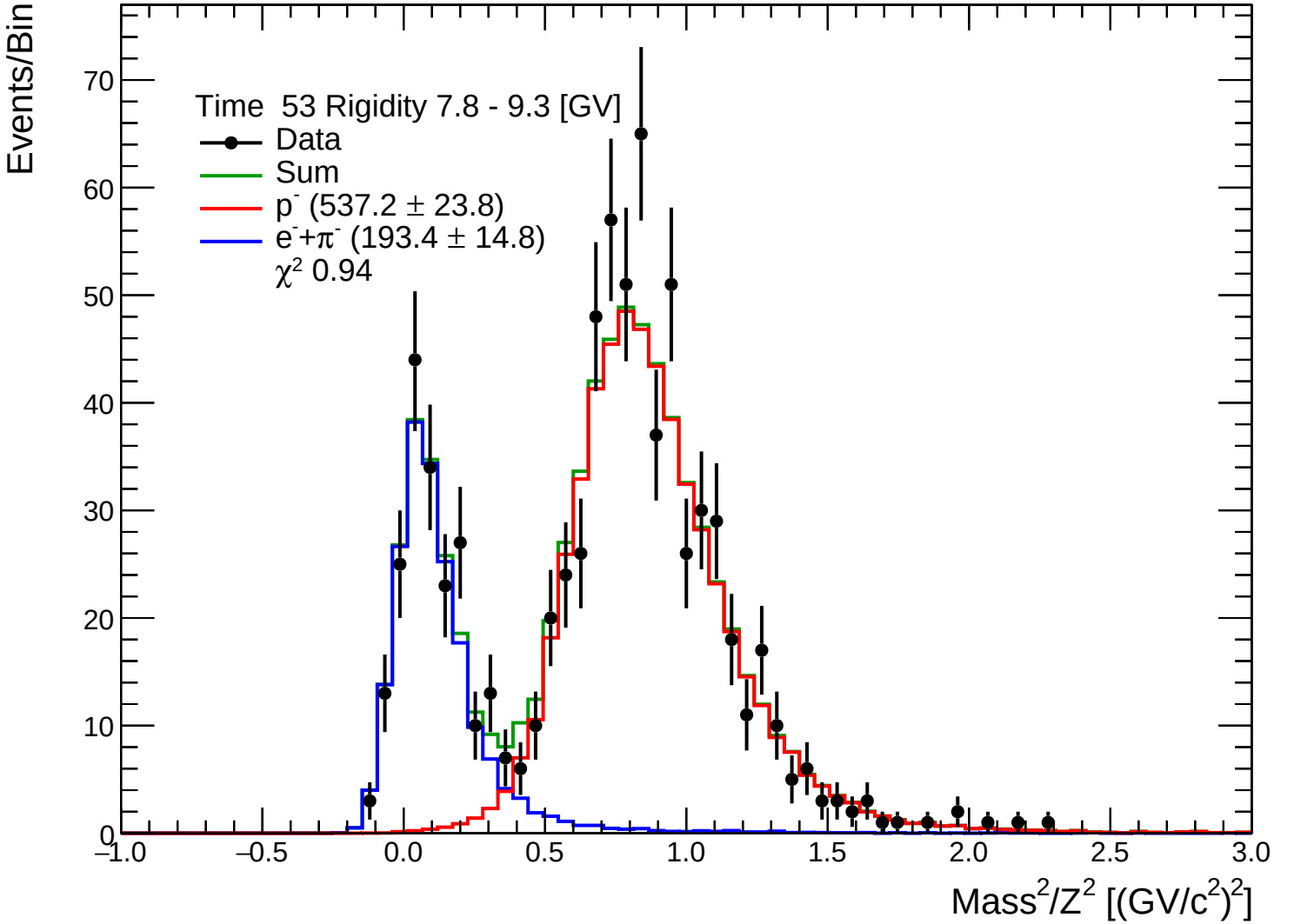

Events/Bin
400
350
300
250
200
150
100
50
0
445
450
455
460
465
470
475
Number [Temp 0]

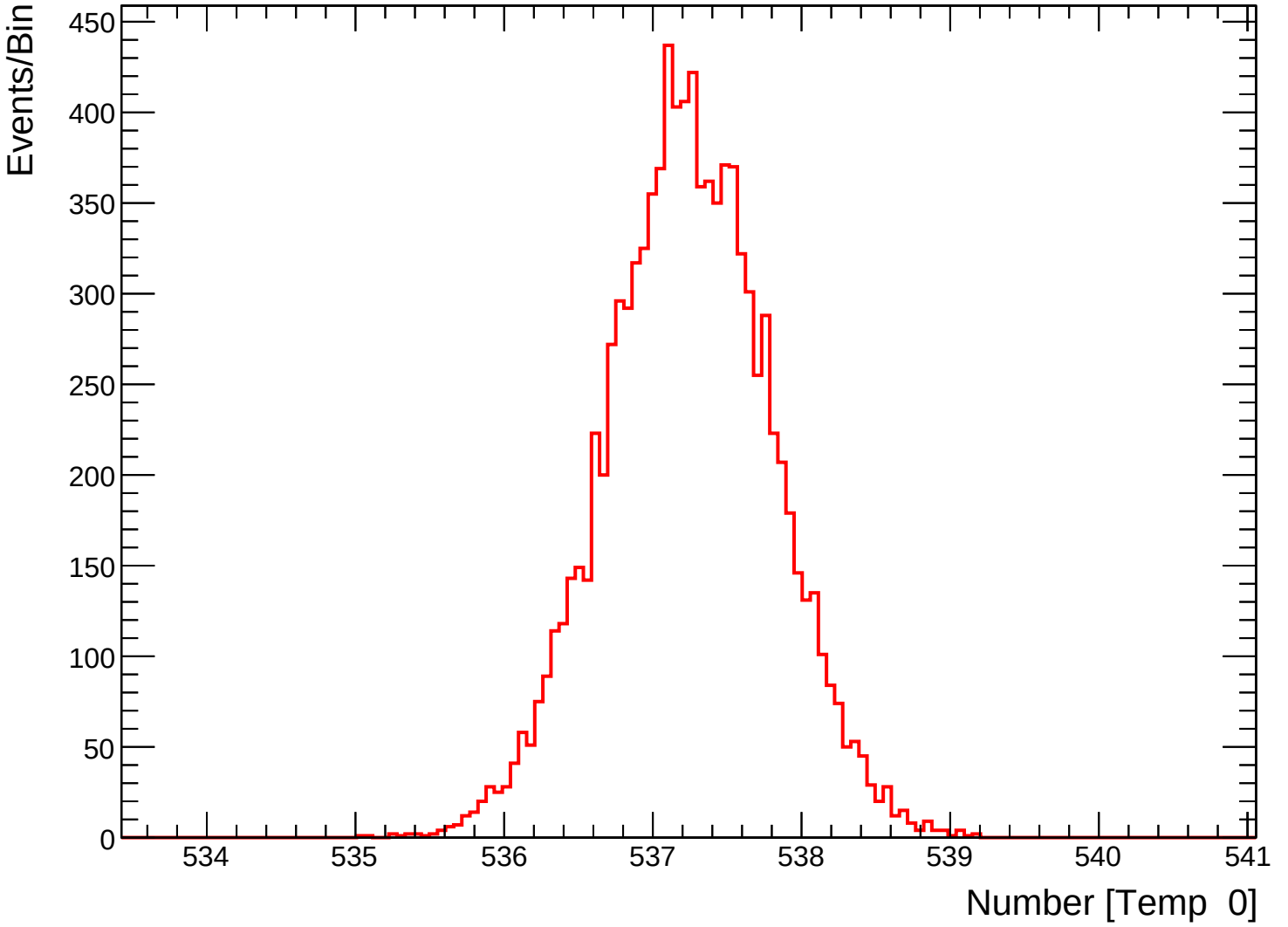

Time 53 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (621.1 ± 25.7)
e⁻+π⁻ (3.0 ± 6.2)
χ² 0.85
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

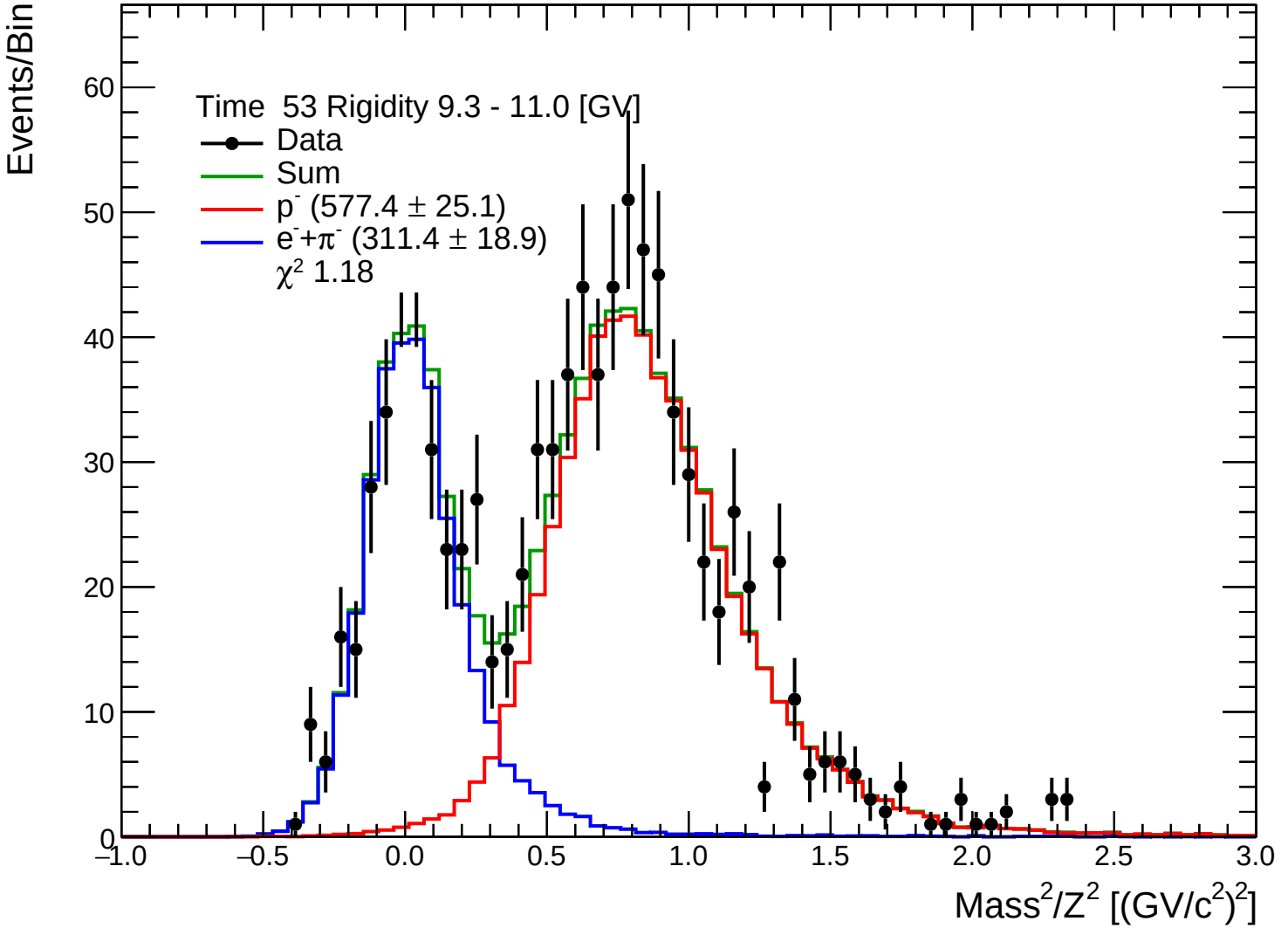

Events/Bin
450
400
350
300
250
200
150
100
50
0
617
618
619
620
621
622
623
624
625
Number [Temp 0]

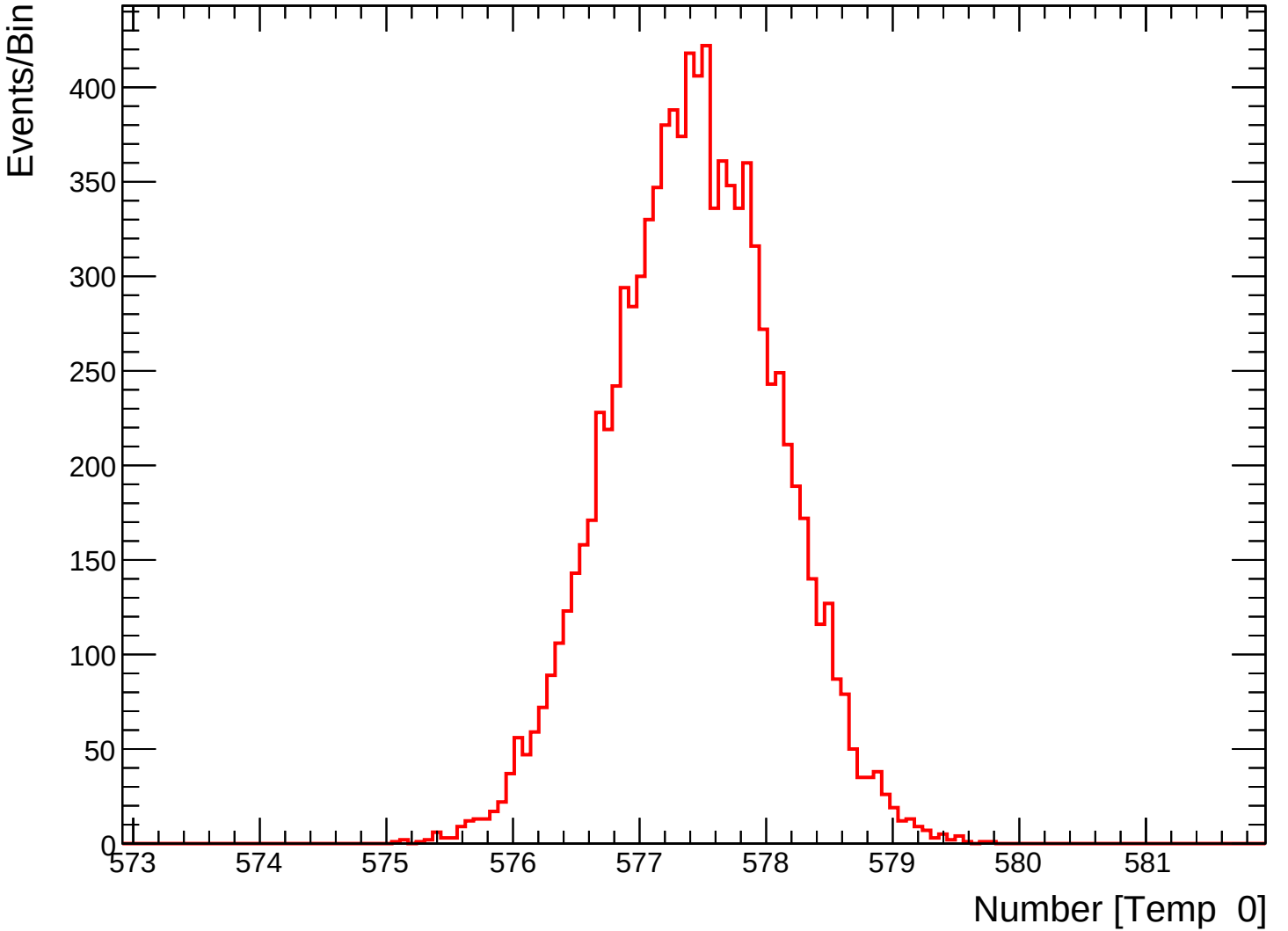

Time 53 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (608.1 ± 25.1)
e⁻+π⁻ (38.0 ± 7.3)
χ² 0.72
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

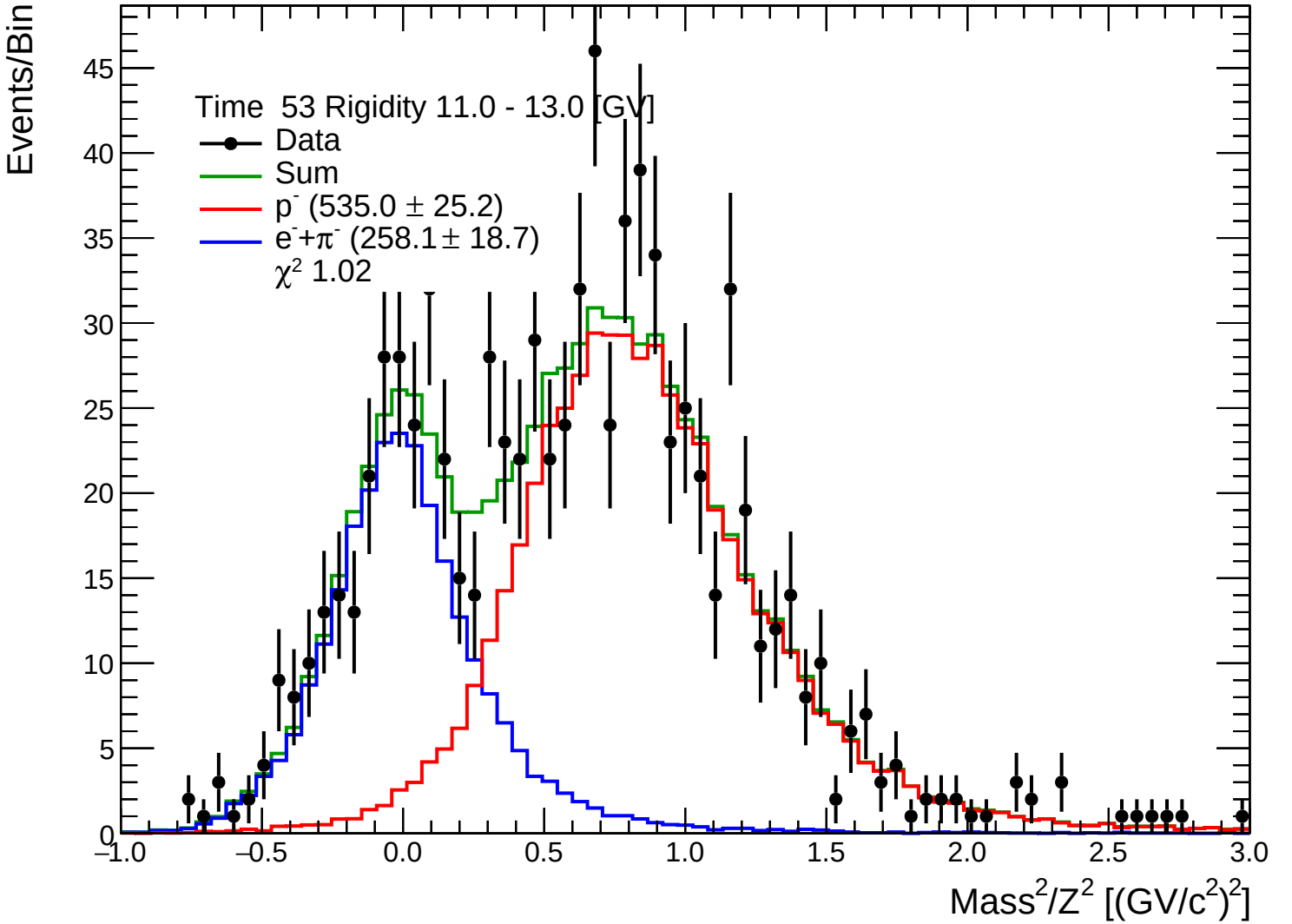

Events/Bin
400
350
300
250
200
150
100
50
0
605
606
607
608
609
610
611
Number [Temp 0]

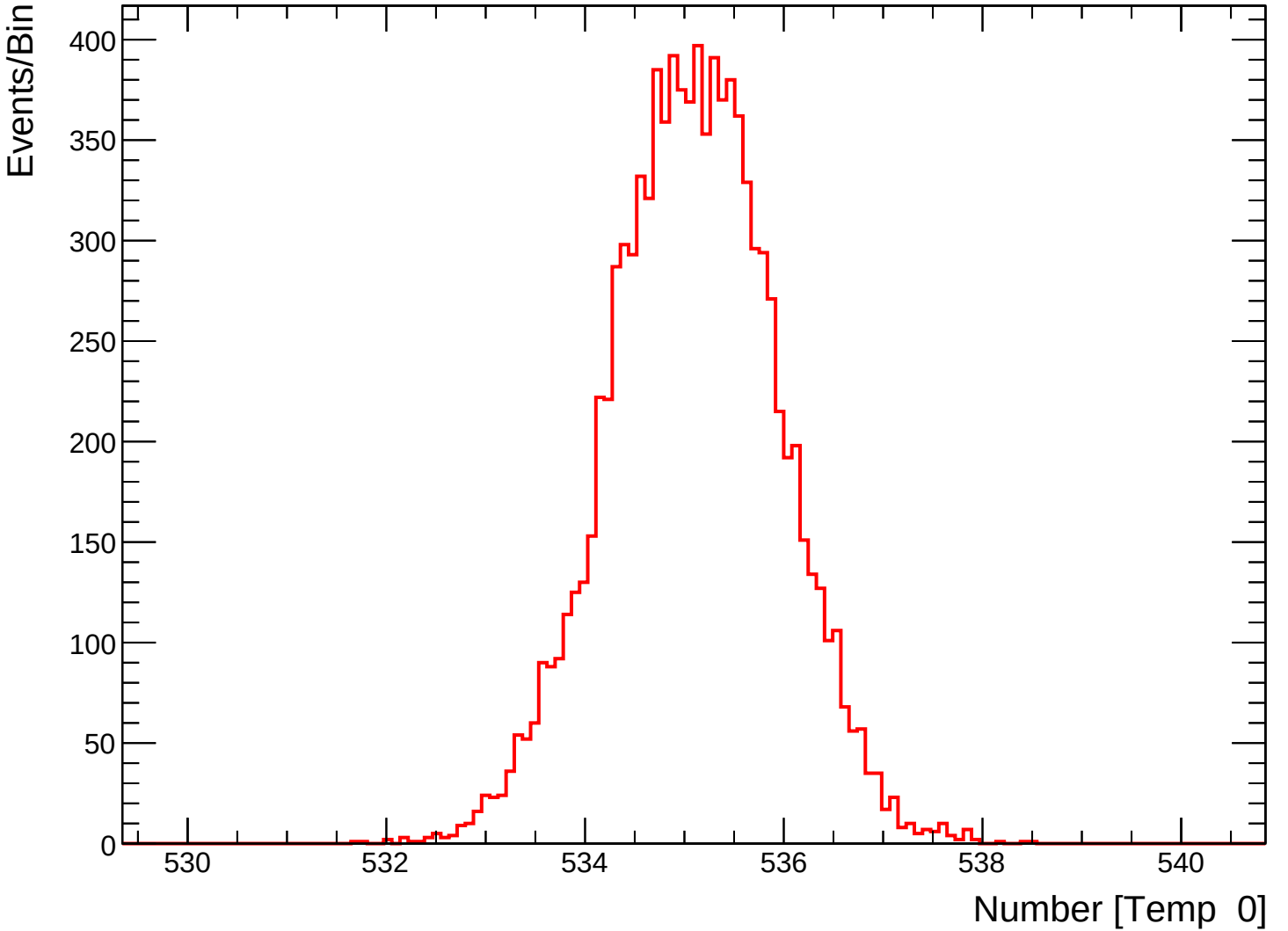

Time 53 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (537.2 ± 23.8)
e⁻+π⁻ (193.4 ± 14.8)
χ² 0.94
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

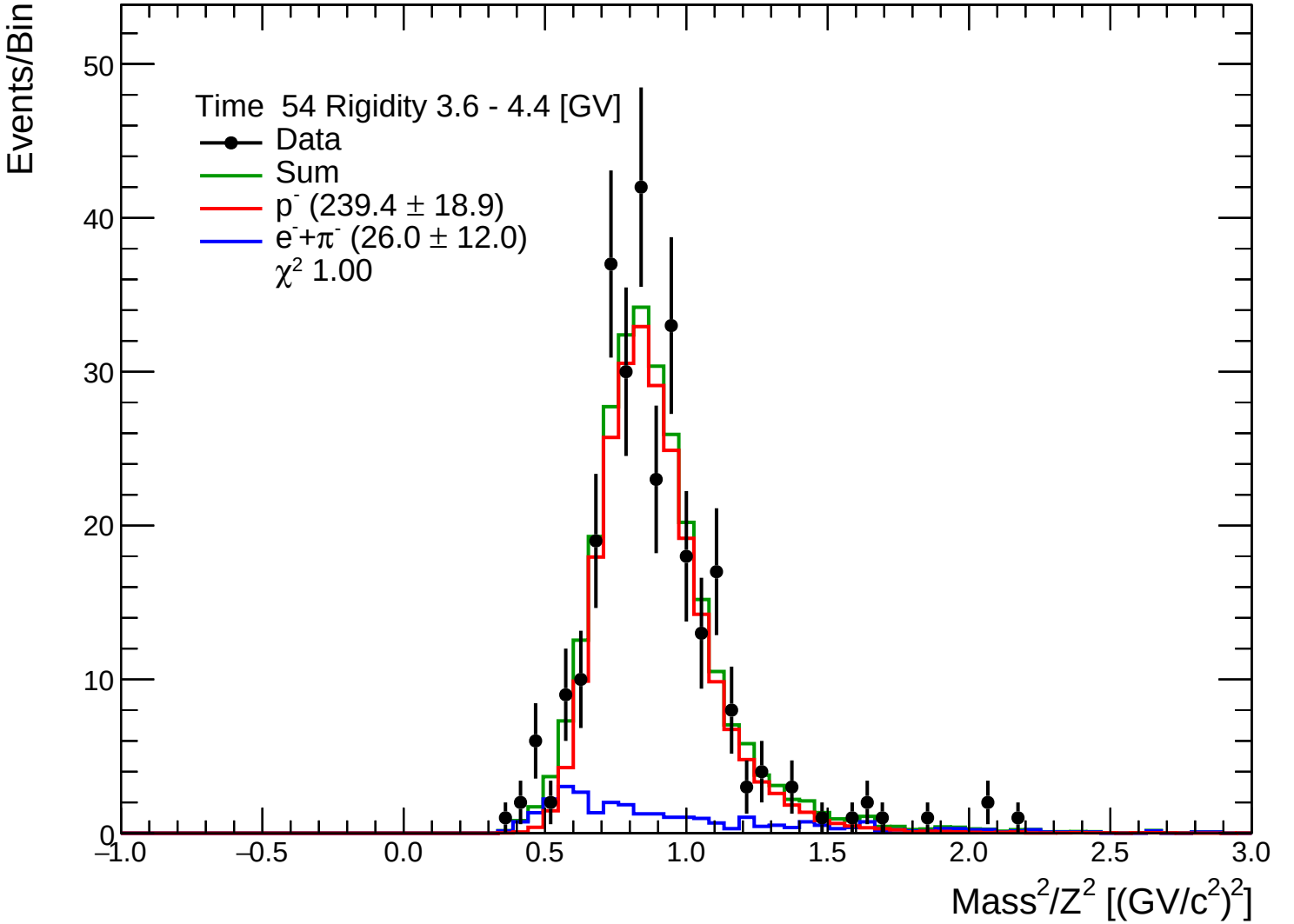

Events/Bin
450
400
350
300
250
200
150
100
50
0
534
535
536
537
538
539
540
541
Number [Temp 0]

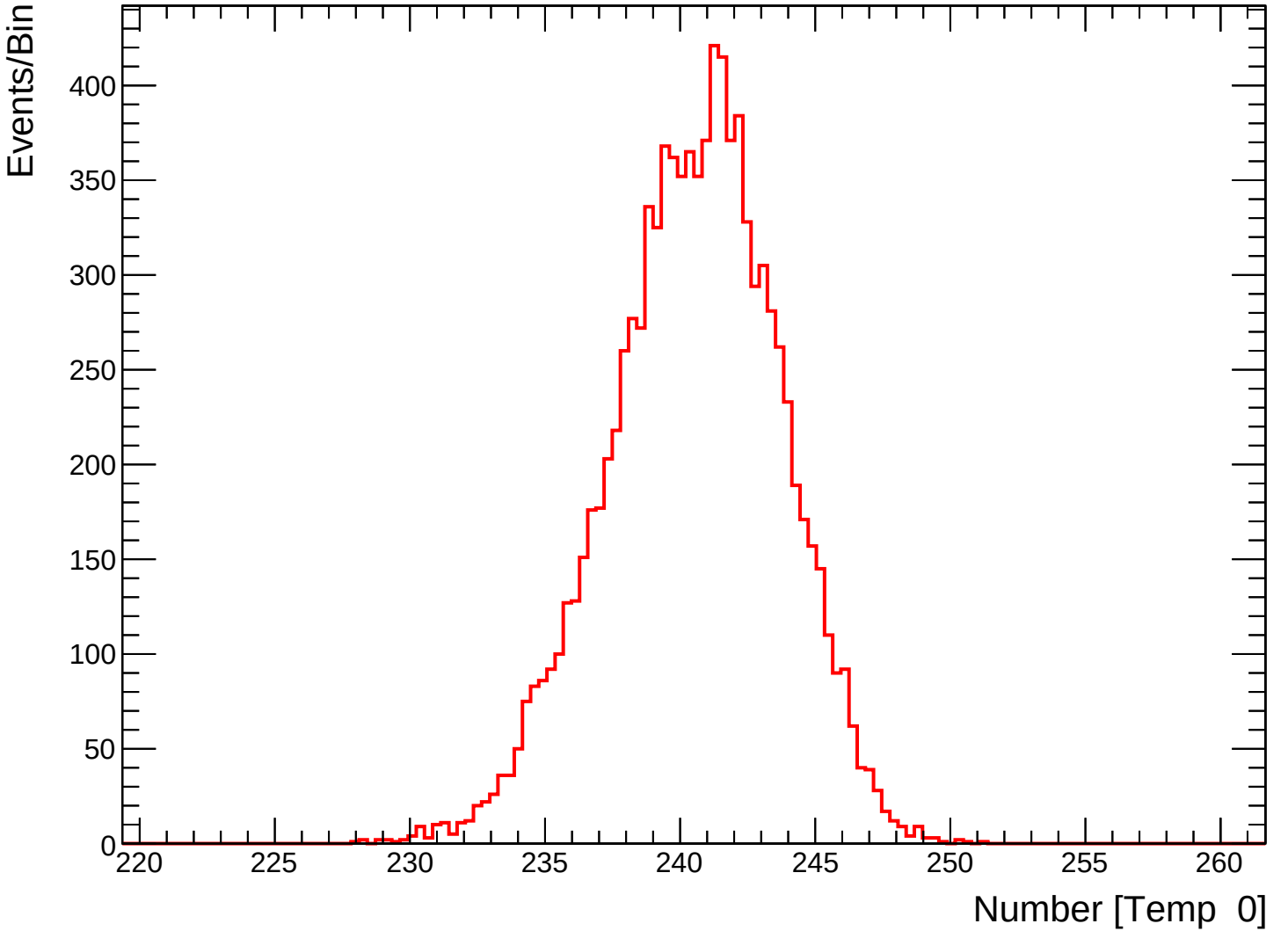

Time 53 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (577.4 ± 25.1)
e⁻+π⁻ (311.4 ± 18.9)
χ² 1.18
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

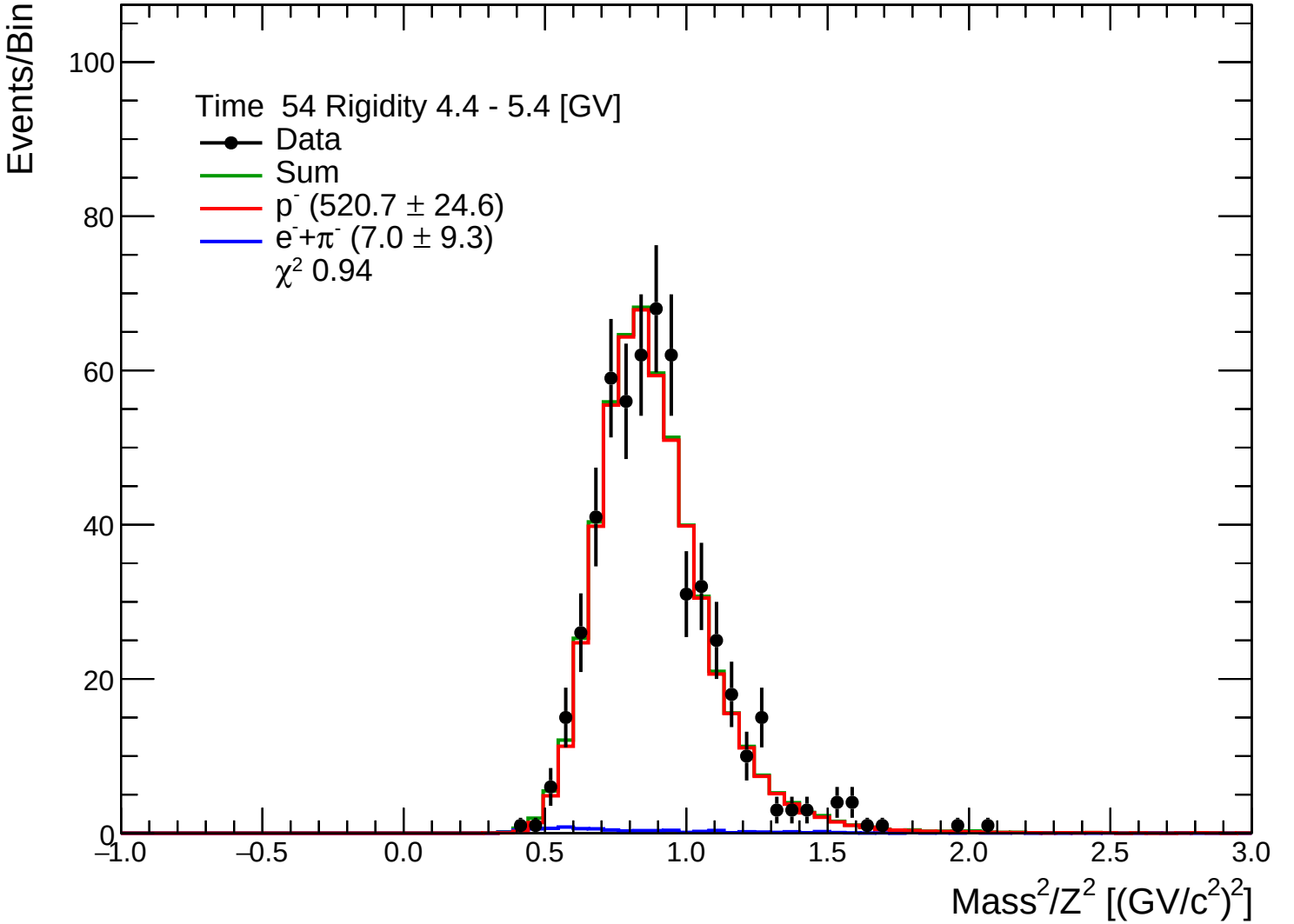

Events/Bin
400
350
300
250
200
150
100
50
0
573
574
575
576
577
578
579
580
581
Number [Temp 0]

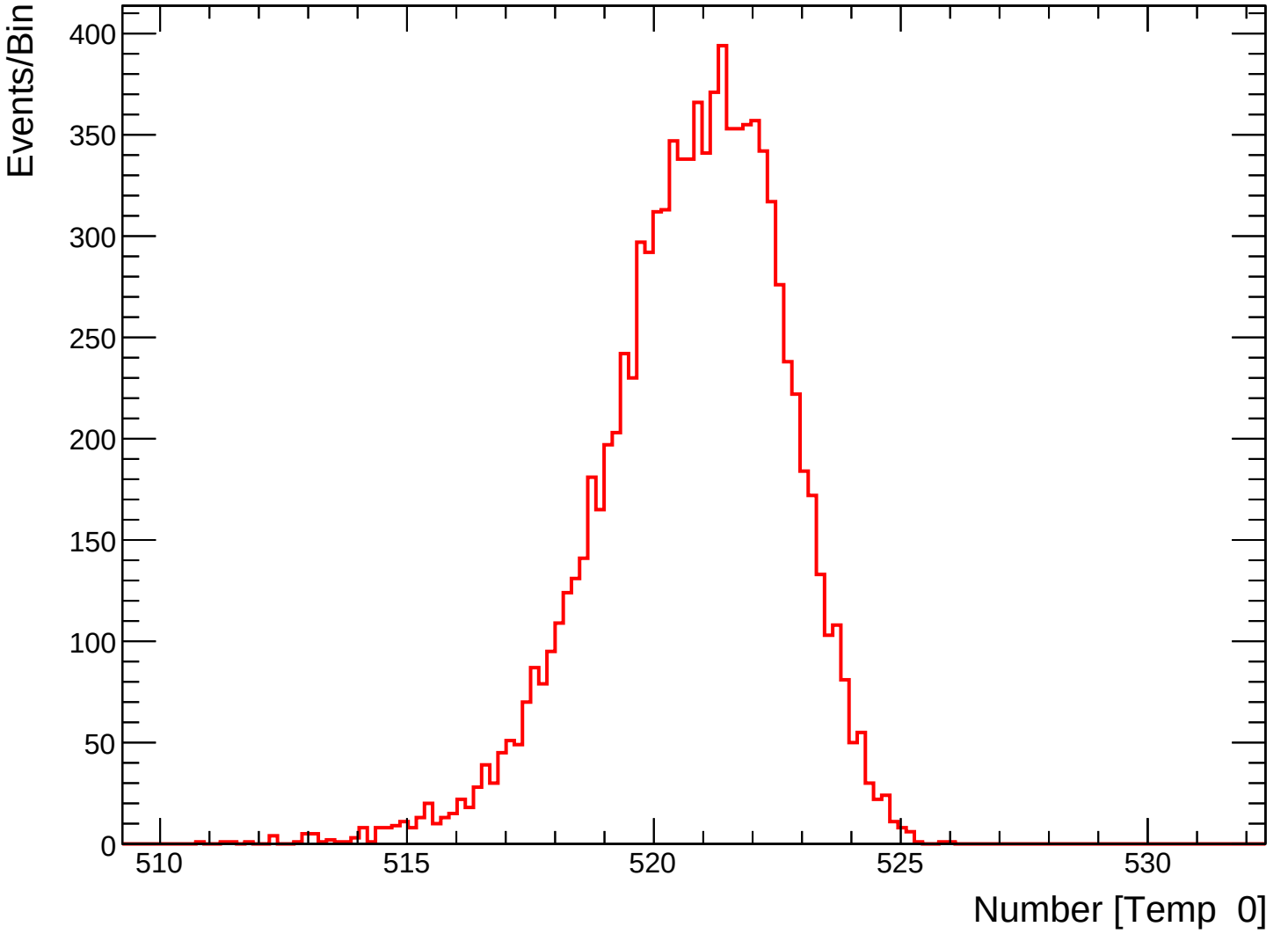

Time 53 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (535.0 ± 25.2)
e⁻+π⁻ (258.1 ± 18.7)
χ² 1.02
Events/Bin
Mass²/Z² [(GV/c²)²]
0
5
10
15
20
25
30
35
40
45
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

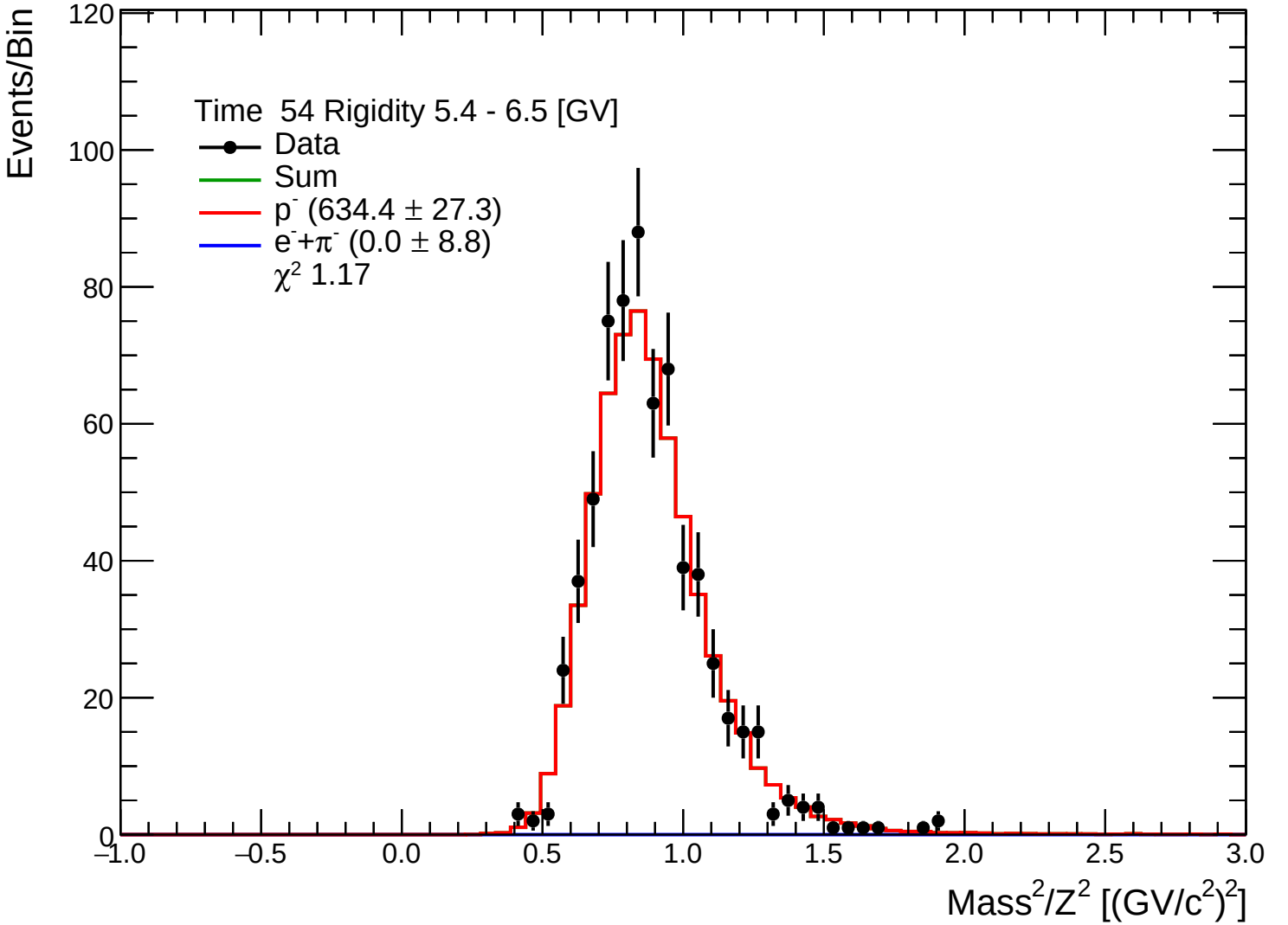

Events/Bin
400
350
300
250
200
150
100
50
0
530
532
534
536
538
540
Number [Temp 0]

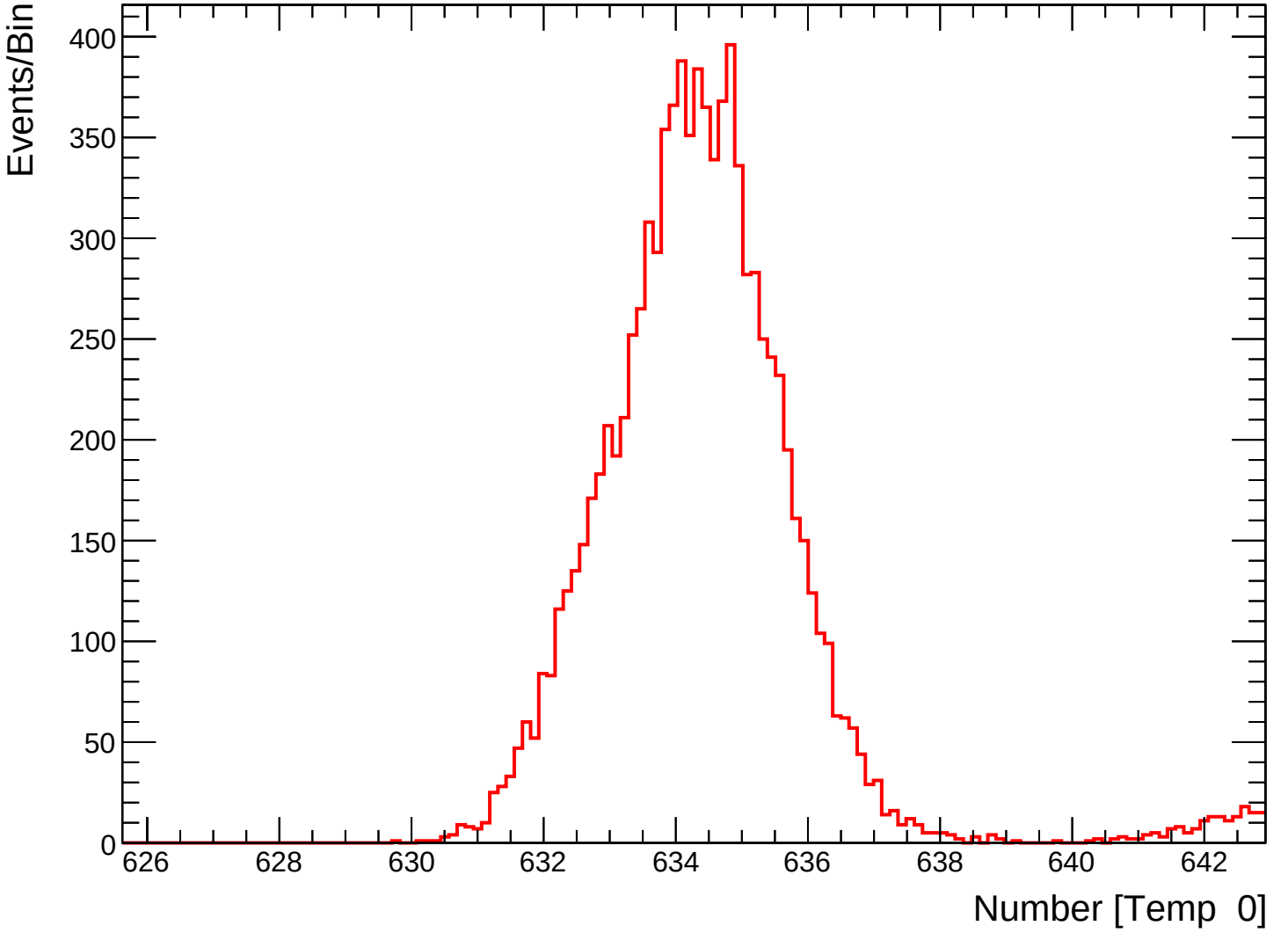

Time 54 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (239.4 ± 18.9)
e⁻+π⁻ (26.0 ± 12.0)
χ² 1.00
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

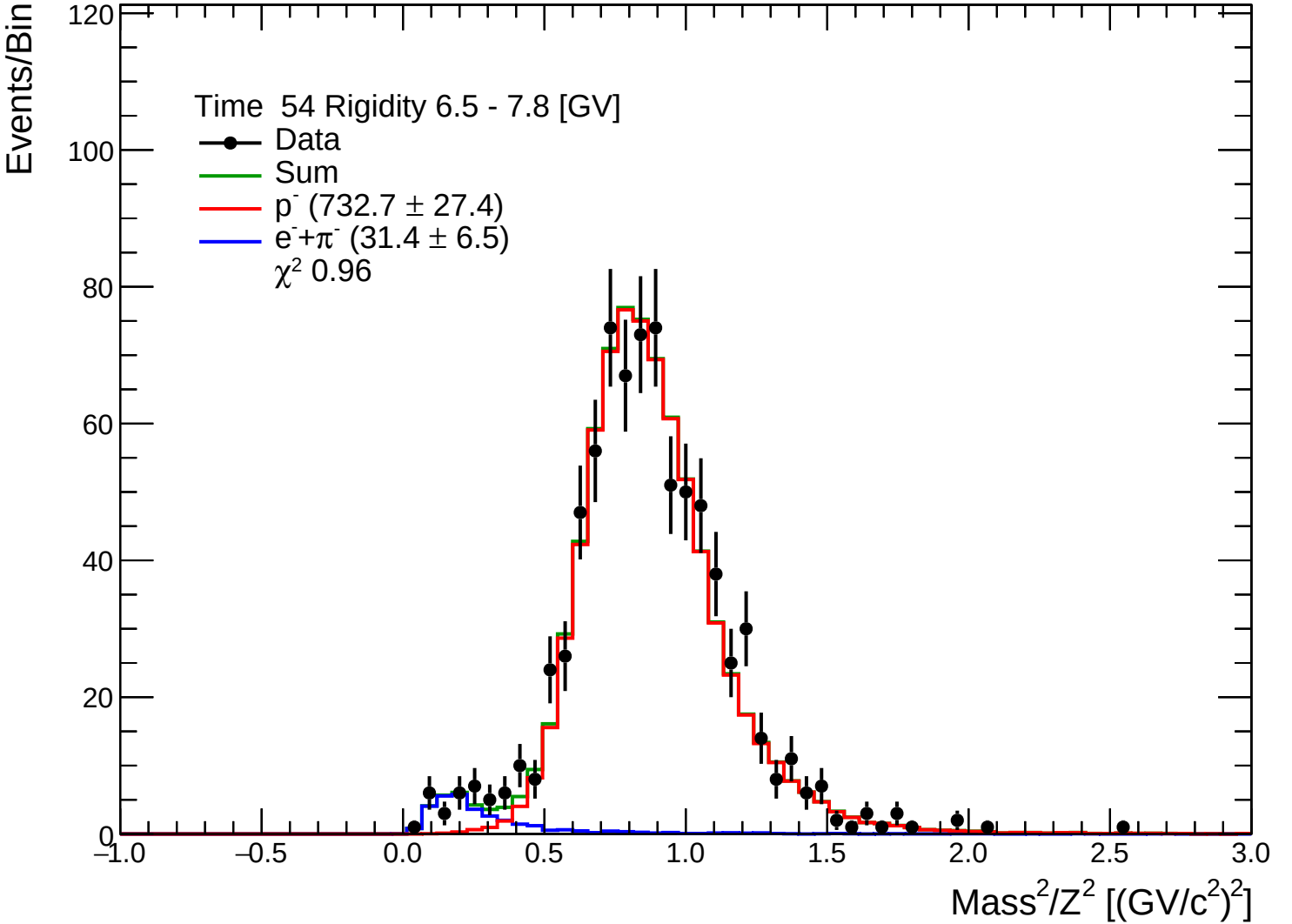

Events/Bin
0
50
100
150
200
250
300
350
400
220
225
230
235
240
245
250
255
260
Number [Temp 0]

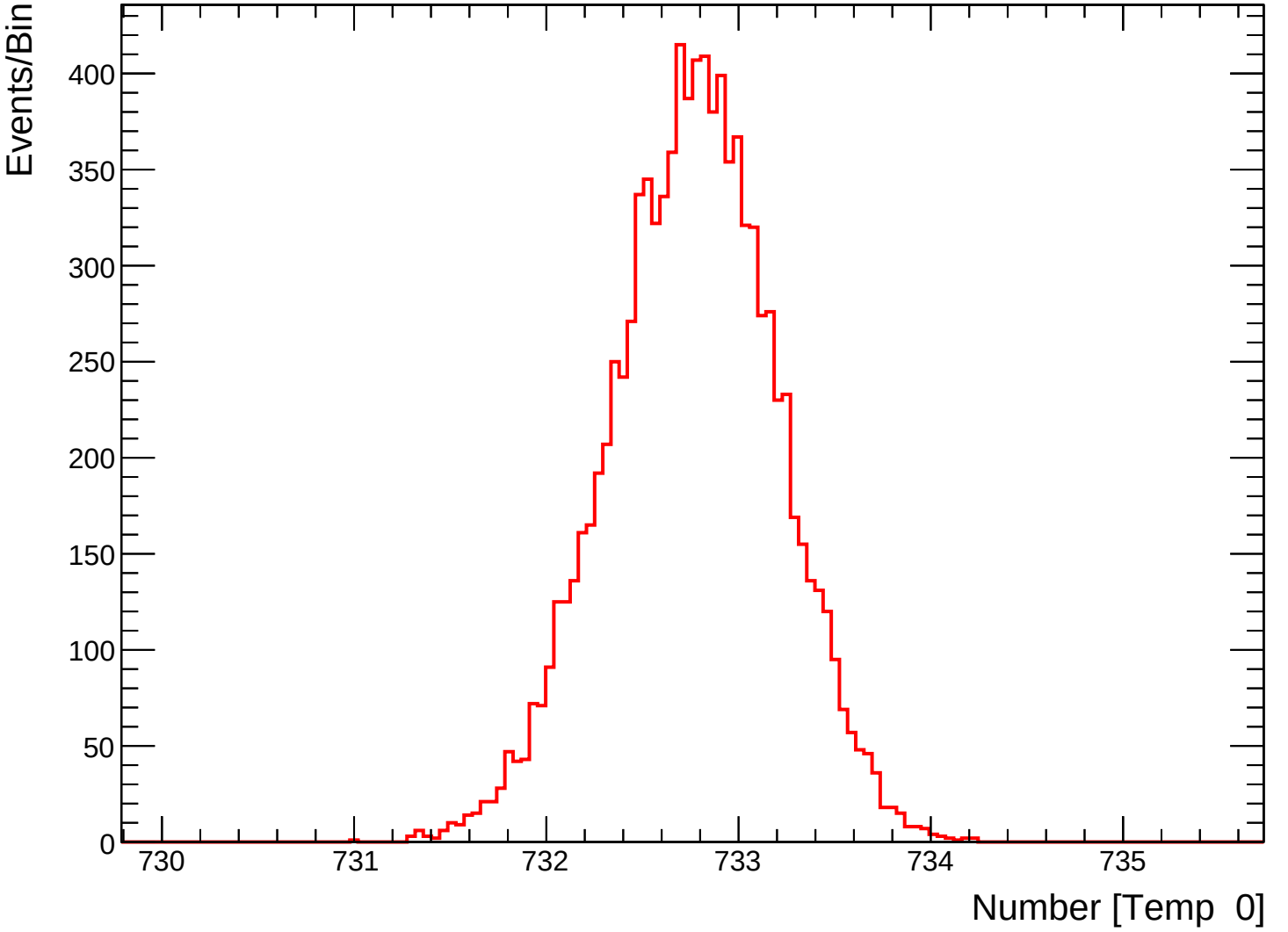

Time 54 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (520.7 ± 24.6)
e⁻+π⁻ (7.0 ± 9.3)
χ² 0.94
Events/Bin
Mass²/Z² [(GV/c²)²]
0
20
40
60
80
100
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

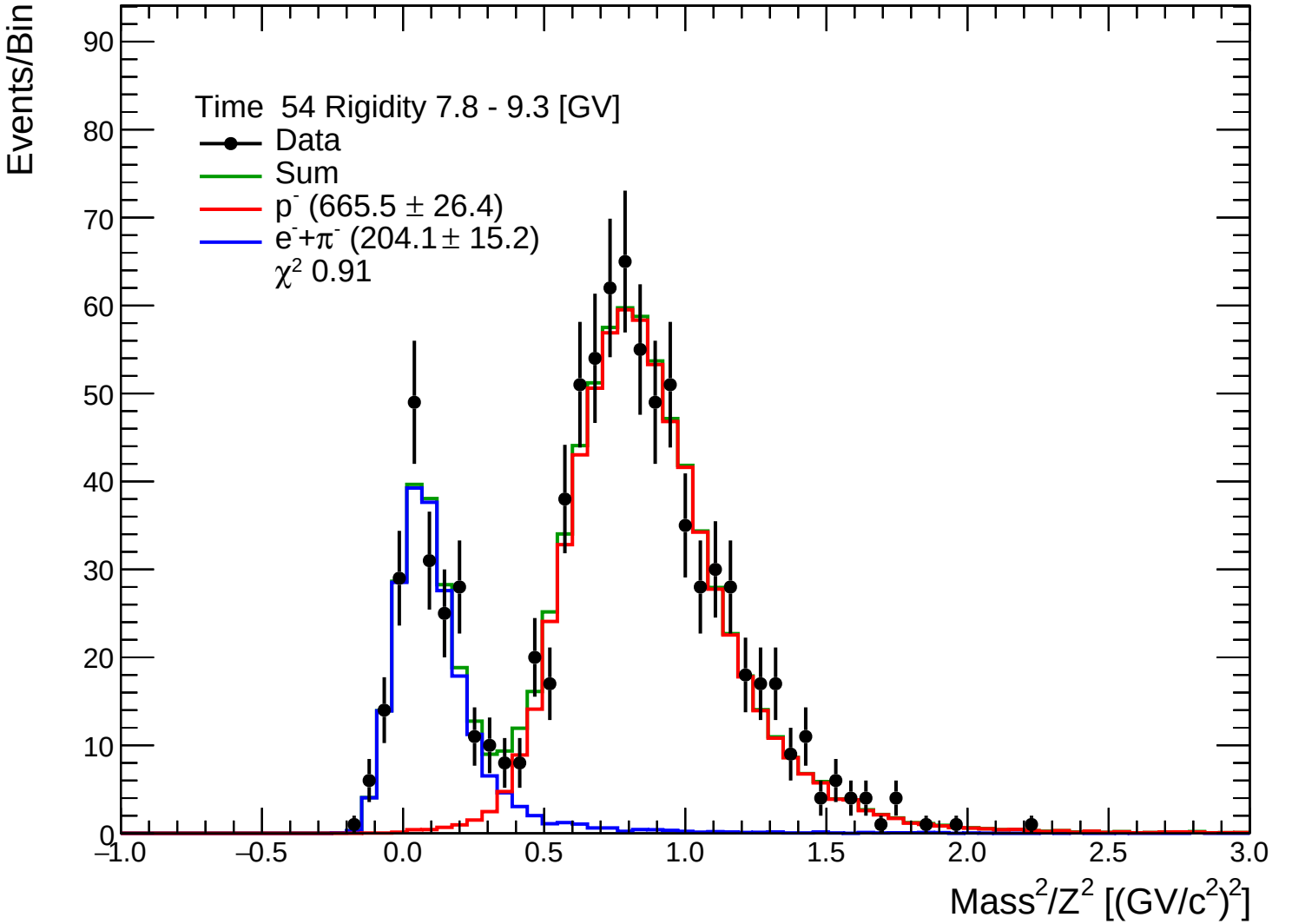

Events/Bin
400
350
300
250
200
150
100
50
0
510
515
520
525
530
Number [Temp 0]

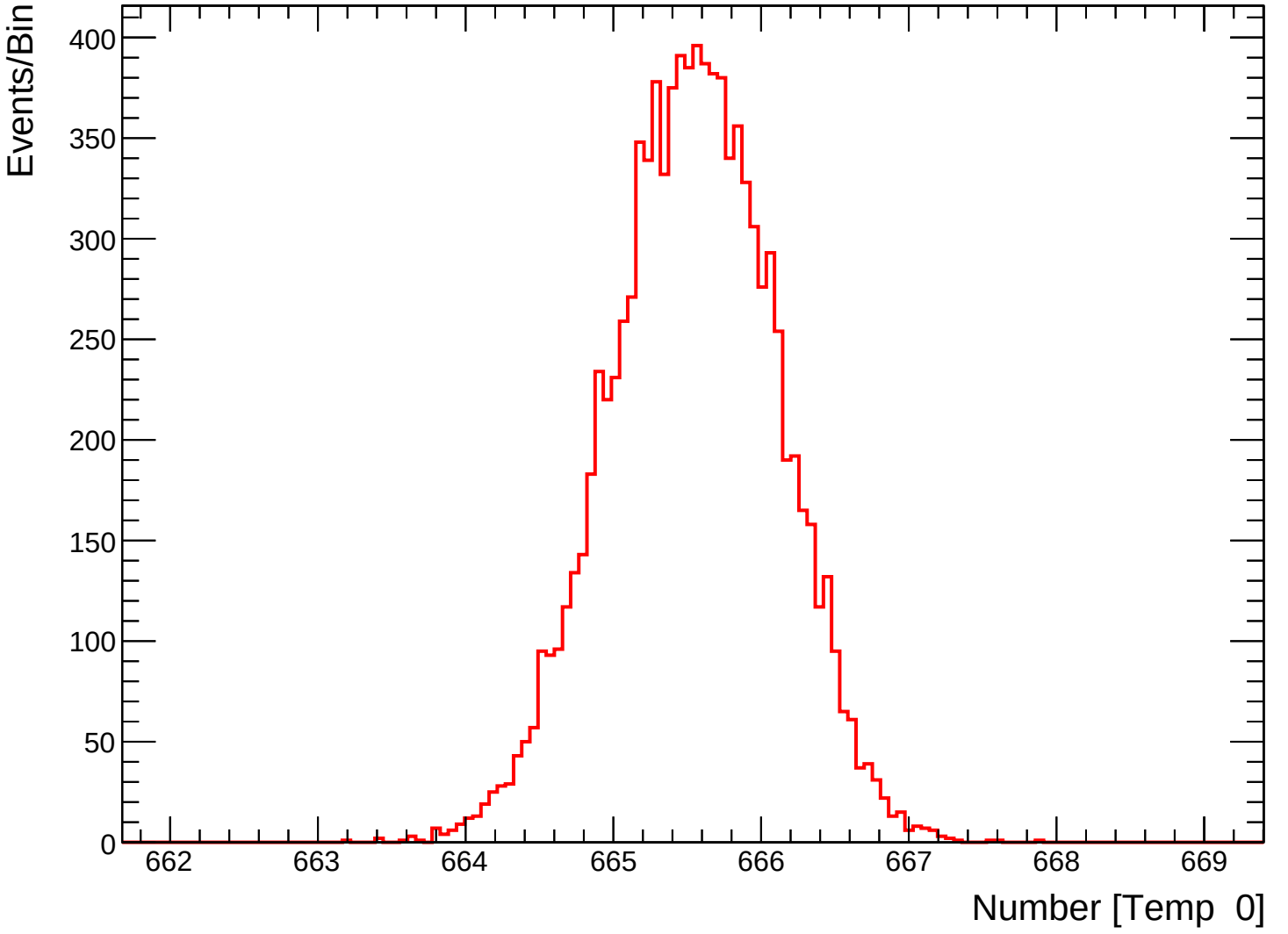

Time 54 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (634.4 ± 27.3)
e⁻+π⁻ (0.0 ± 8.8)
χ² 1.17
Events/Bin
Mass²/Z² [(GV/c²)²]
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

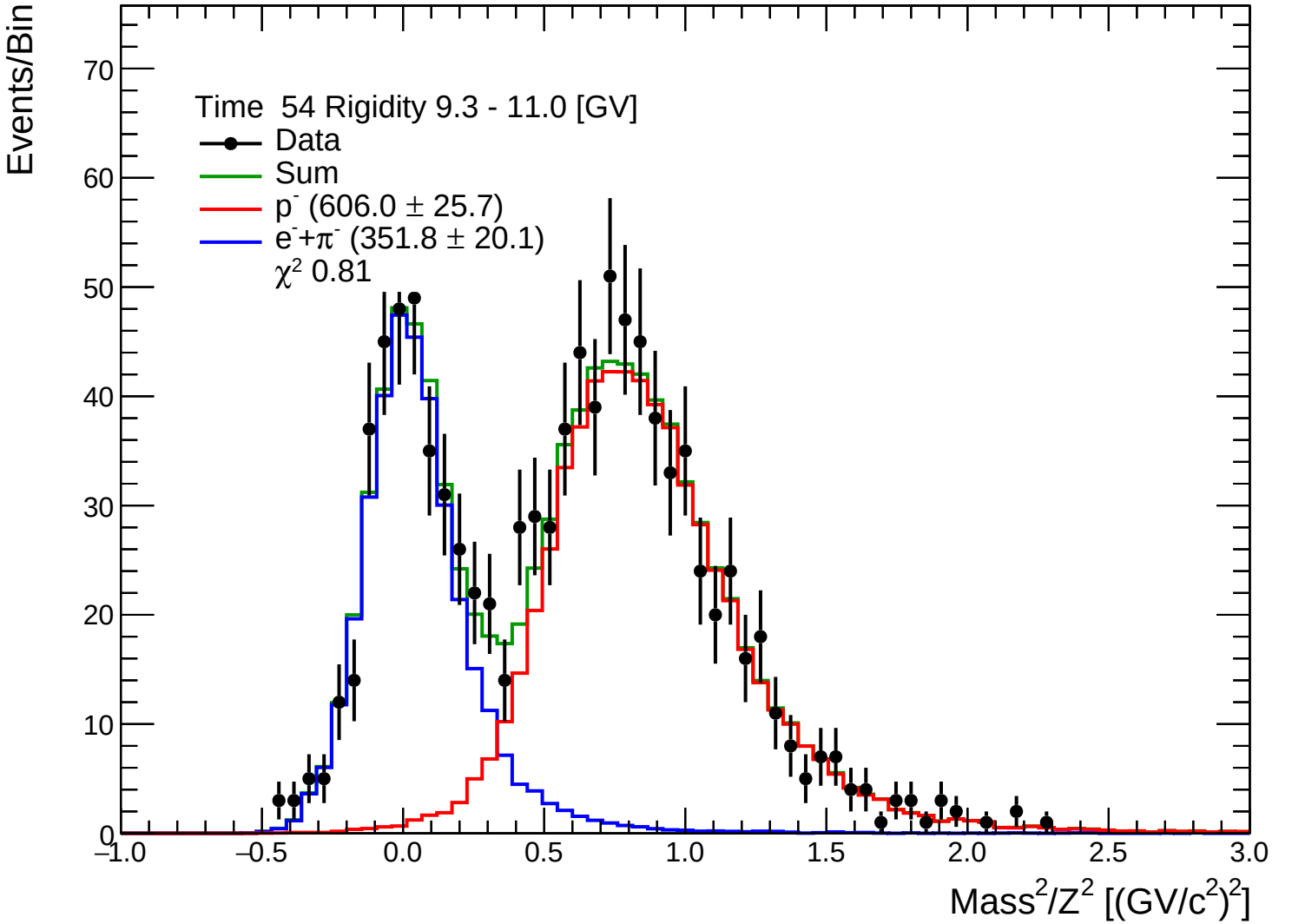

Events/Bin
400
350
300
250
200
150
100
50
0
626
628
630
632
634
636
638
640
642
Number [Temp 0]

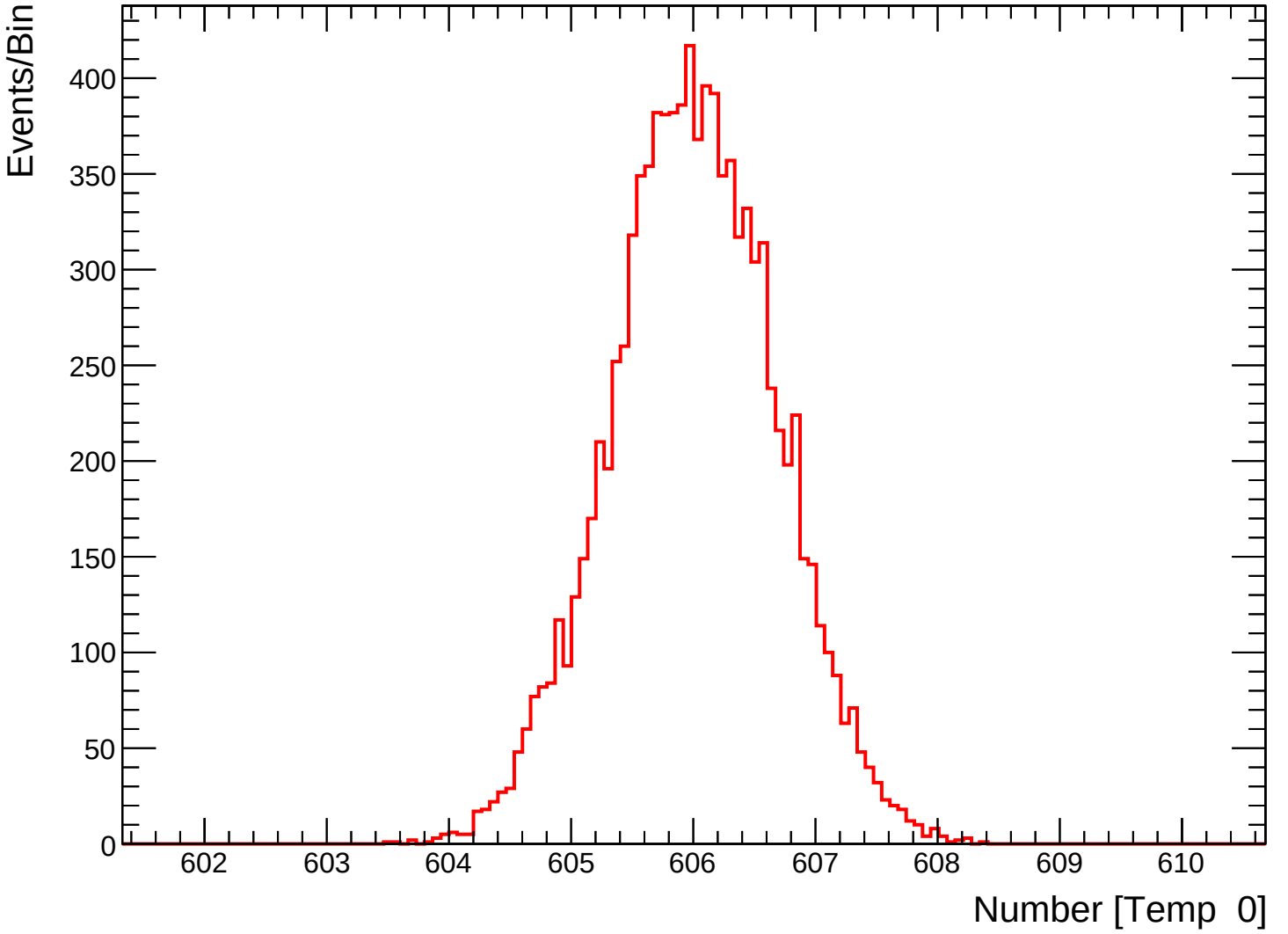

Time 54 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (732.7 ± 27.4)
e⁻+π⁻ (31.4 ± 6.5)
χ² 0.96
Events/Bin
Mass²/Z² [(GV/c²)²]
120
100
80
60
40
20
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

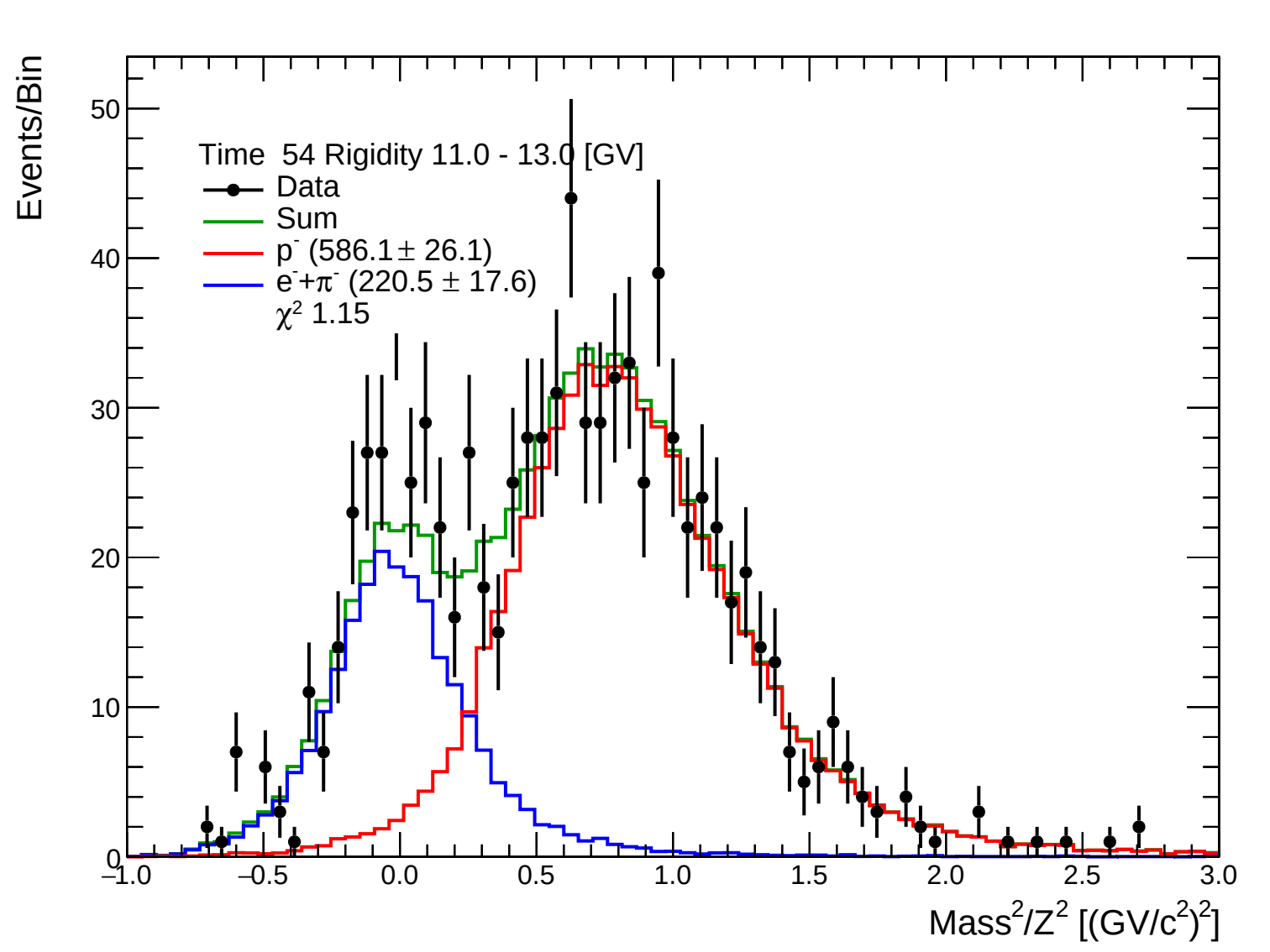

Events/Bin
400
350
300
250
200
150
100
50
0
730
731
732
733
734
735
Number [Temp 0]

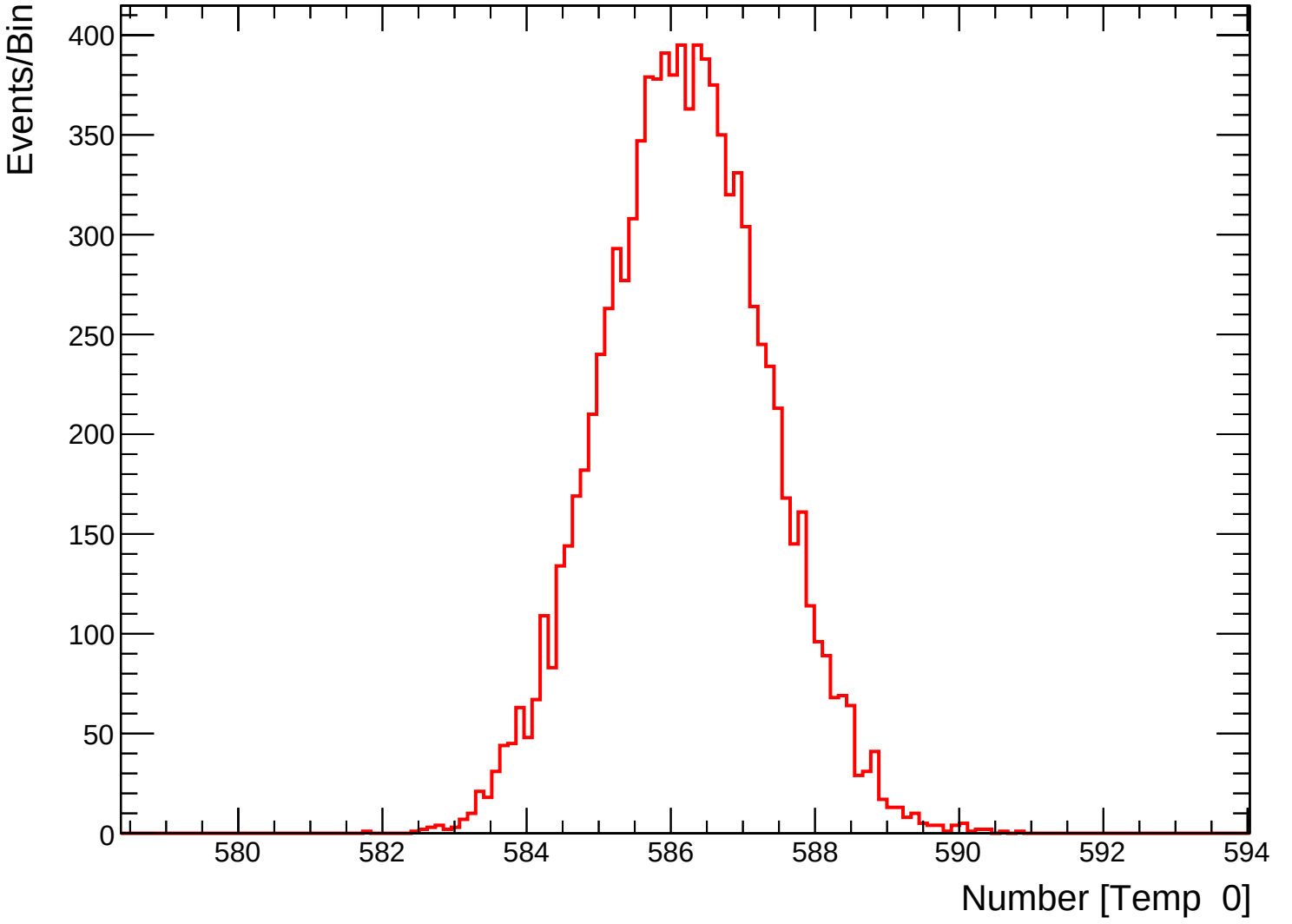

Time 54 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (665.5 ± 26.4)
e⁻+π⁻ (204.1 ± 15.2)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
90
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

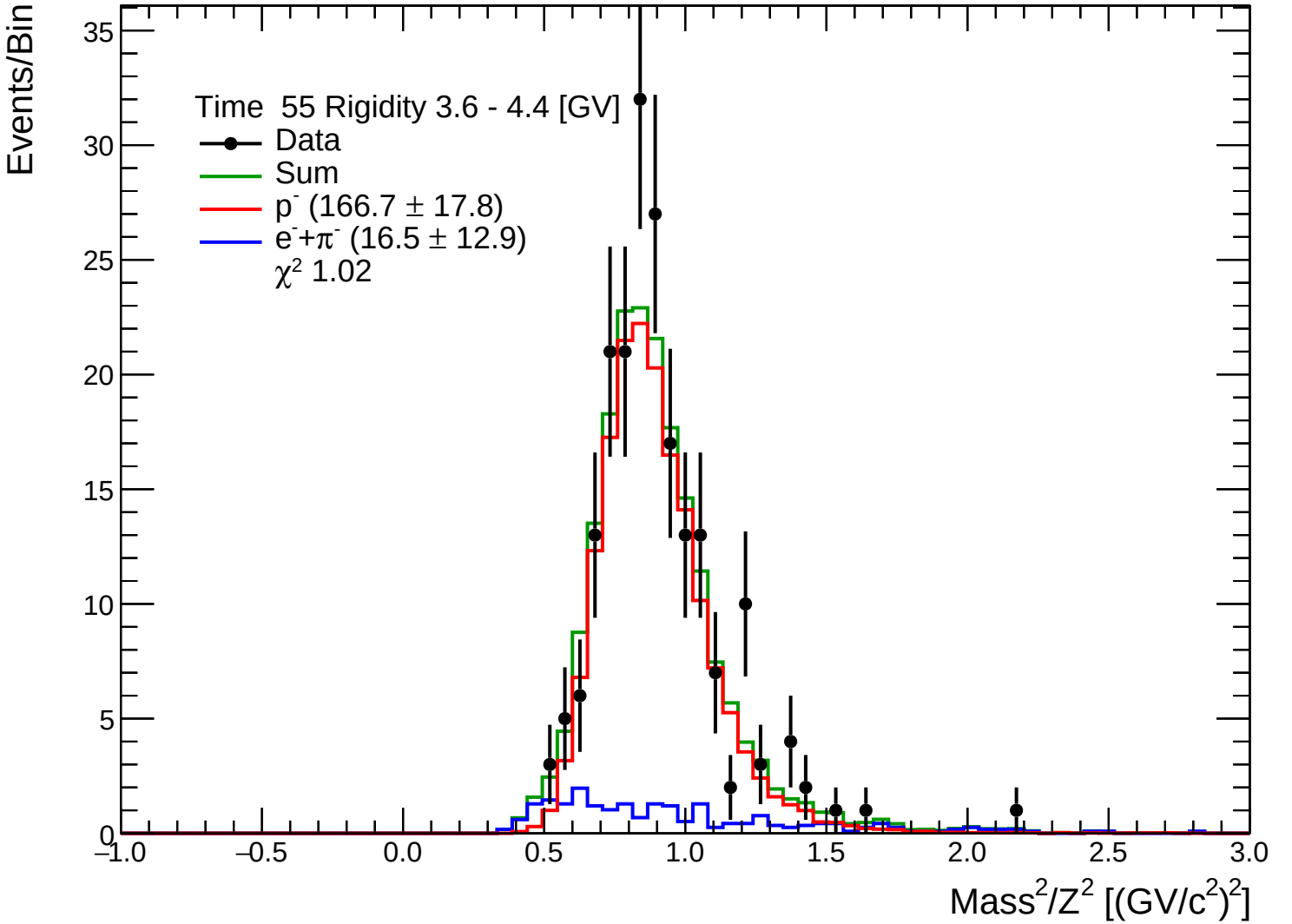

Events/Bin
400
350
300
250
200
150
100
50
0
662
663
664
665
666
667
668
669
Number [Temp 0]

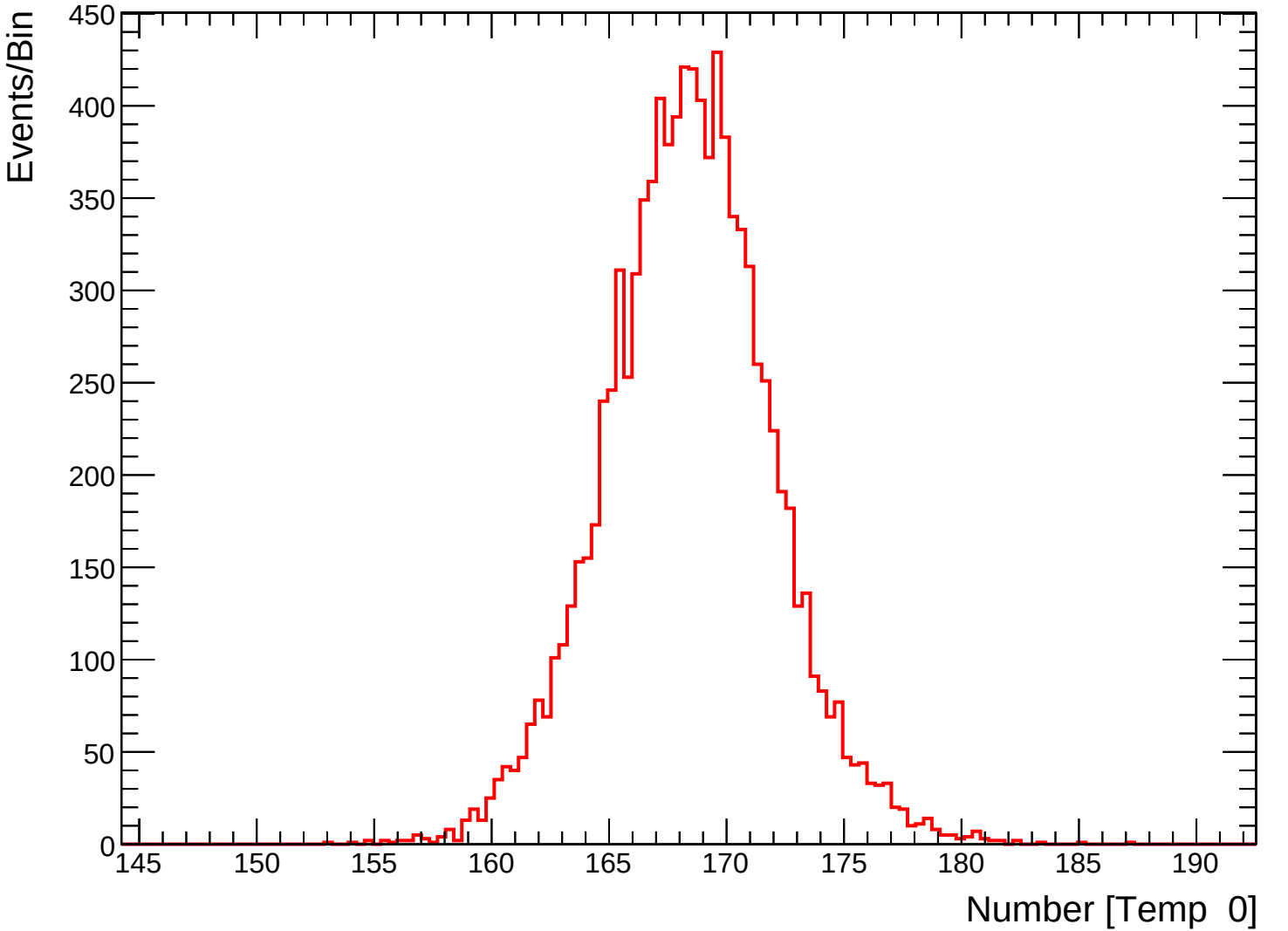

Time 54 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (606.0 ± 25.7)
e⁻+π⁻ (351.8 ± 20.1)
χ² 0.81
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

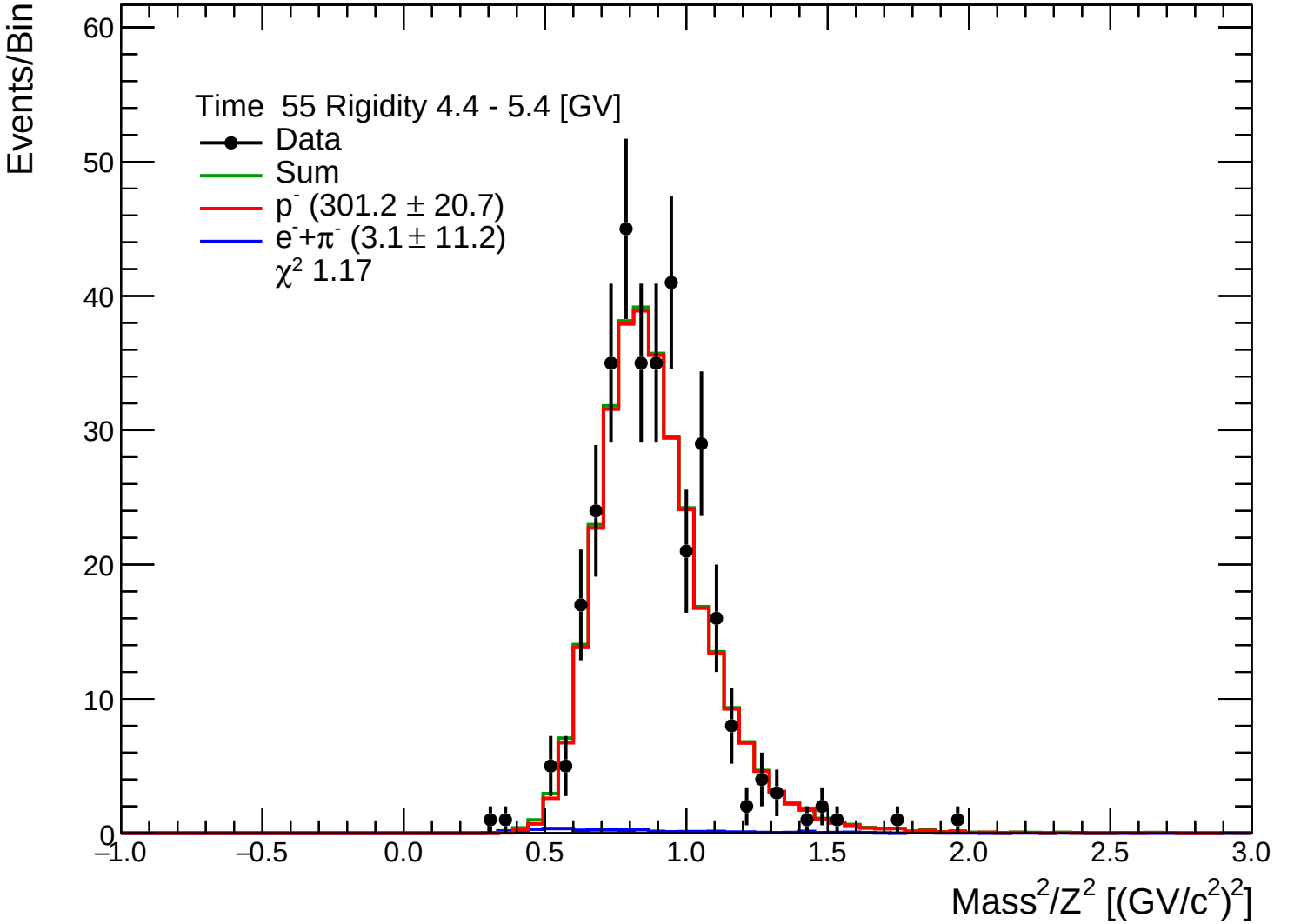

Events/Bin
400
350
300
250
200
150
100
50
0
602
603
604
605
606
607
608
609
610
Number [Temp 0]

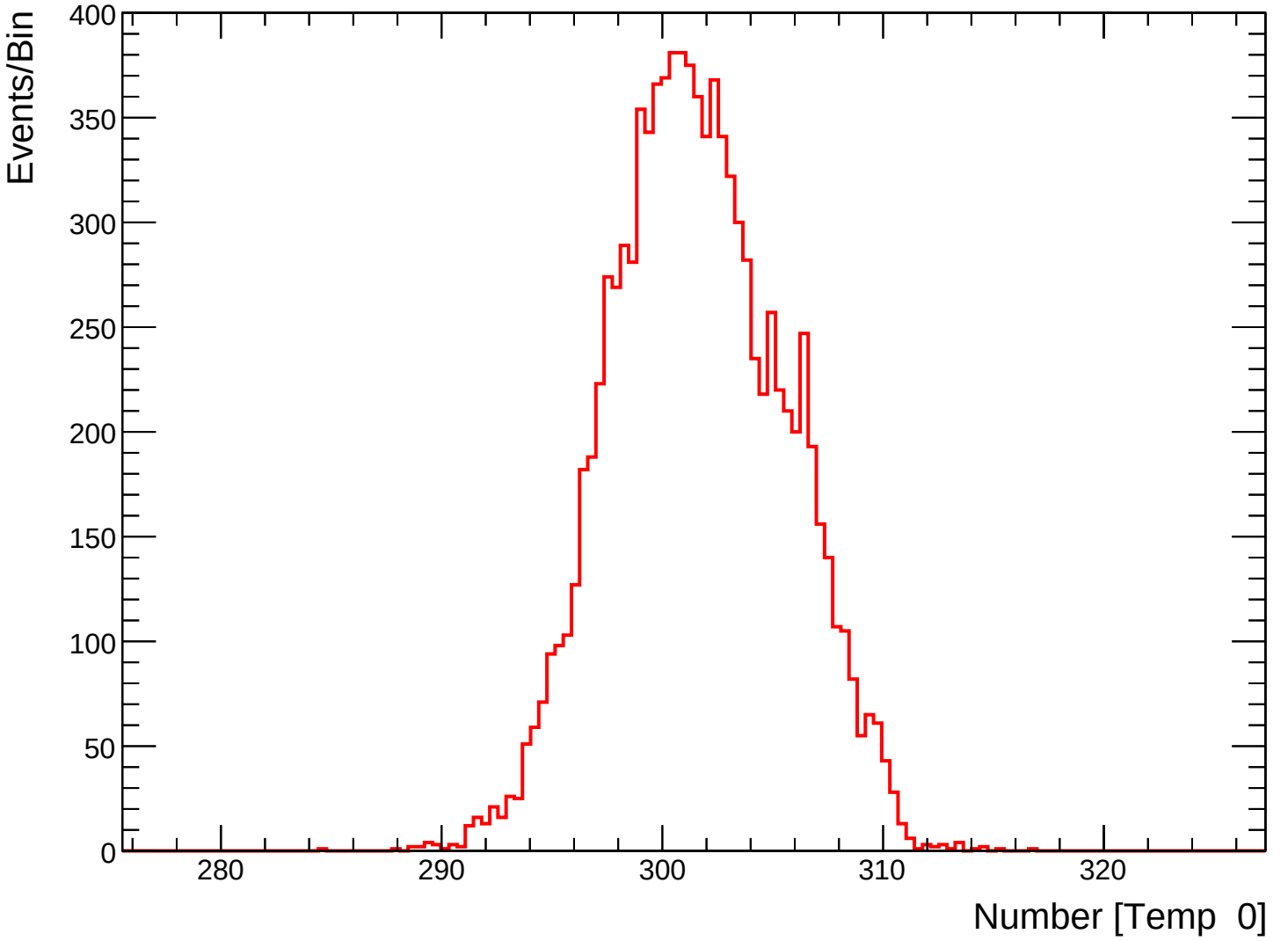

Time 54 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (586.1 ± 26.1)
e⁻+π⁻ (220.5 ± 17.6)
χ² 1.15
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

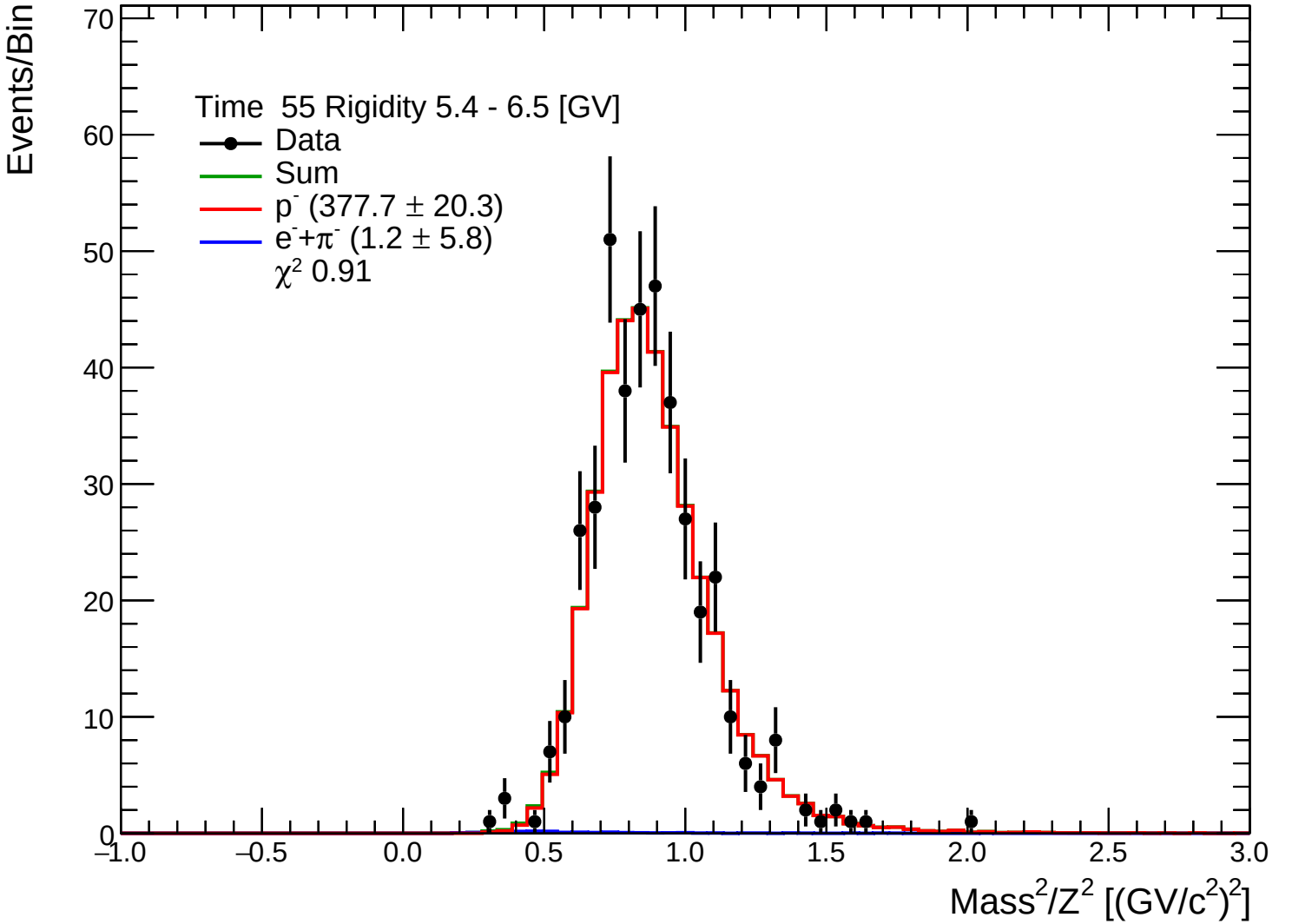

Events/Bin
400
350
300
250
200
150
100
50
0
580
582
584
586
588
590
592
594
Number [Temp 0]

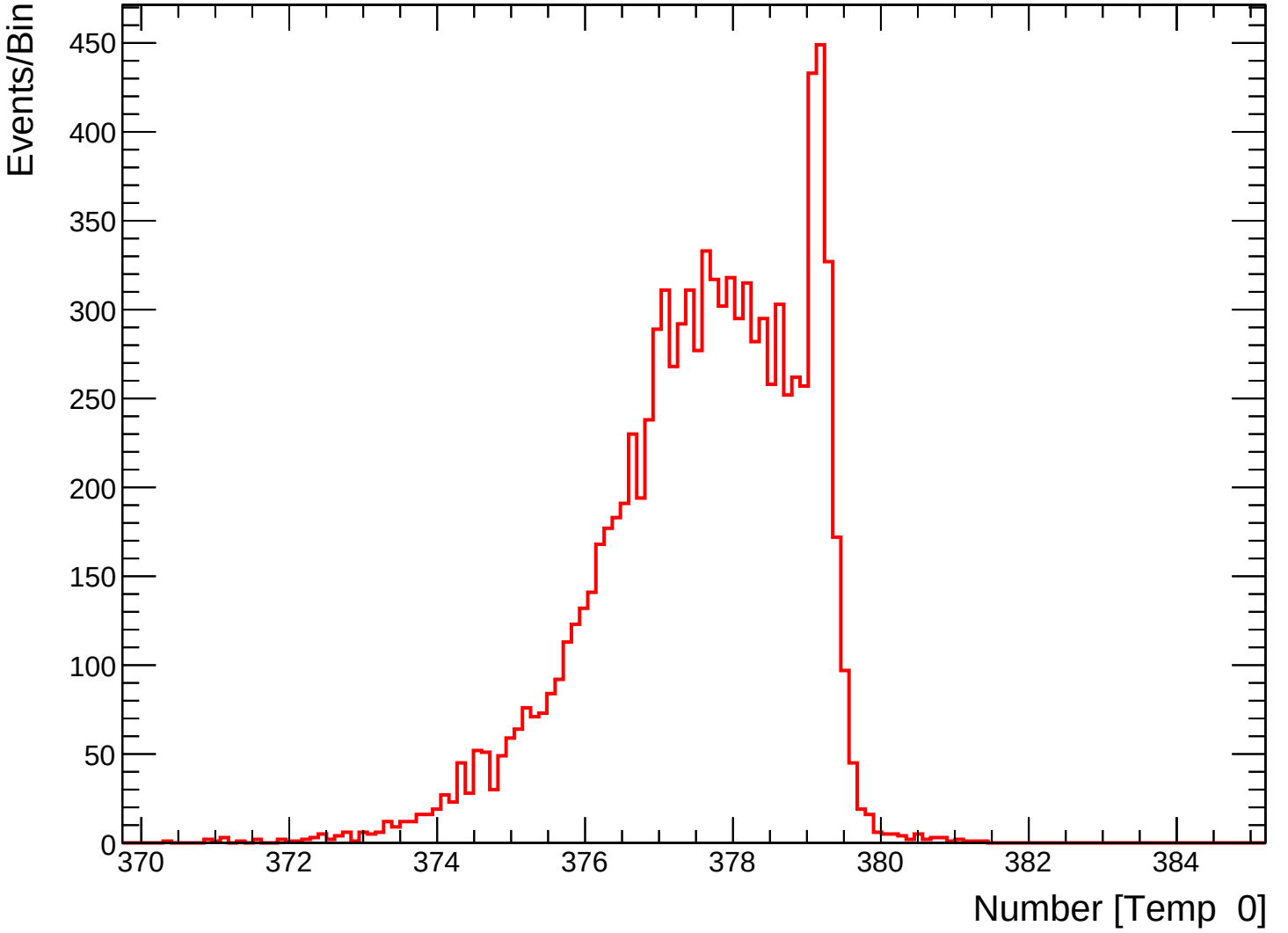

Time 55 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (166.7 ± 17.8)
e⁻+π⁻ (16.5 ± 12.9)
χ² 1.02
Events/Bin
Mass²/Z² [(GV/c²)²]
0
5
10
15
20
25
30
35
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

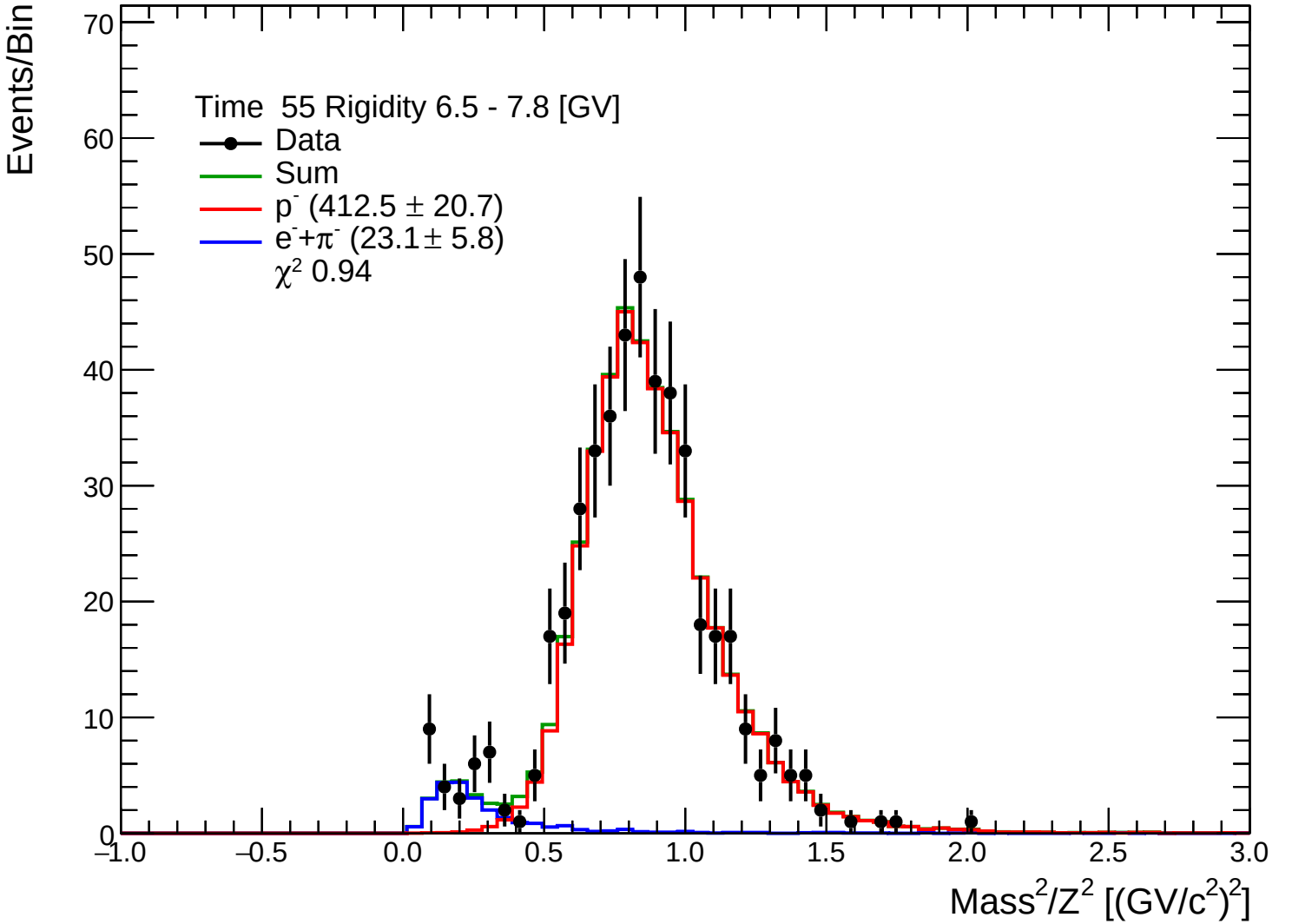

Events/Bin
450
400
350
300
250
200
150
100
50
0
145
150
155
160
165
170
175
180
185
190
Number [Temp 0]

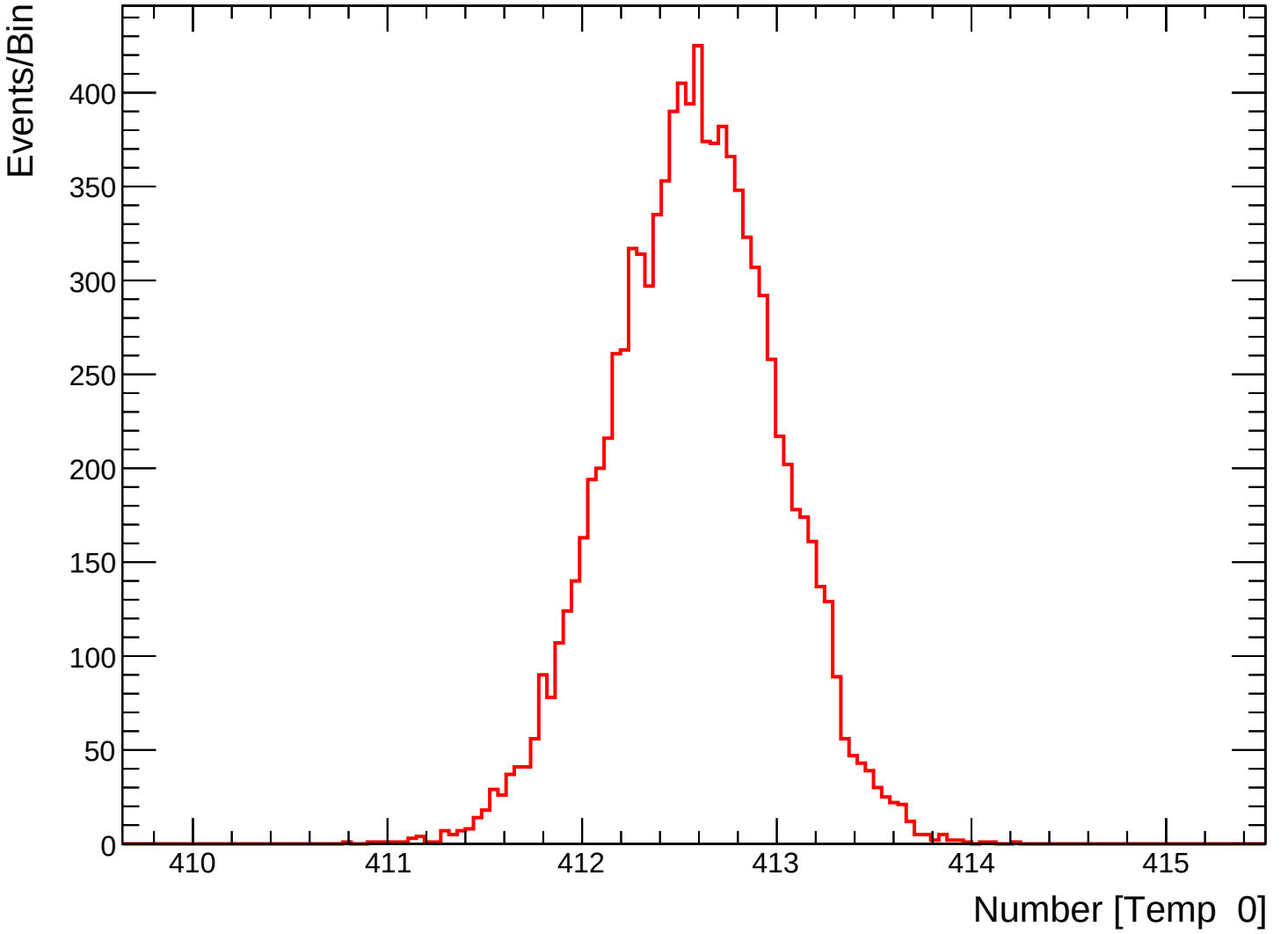

Time 55 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (301.2 ± 20.7)
e⁻+π⁻ (3.1 ± 11.2)
χ² 1.17
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

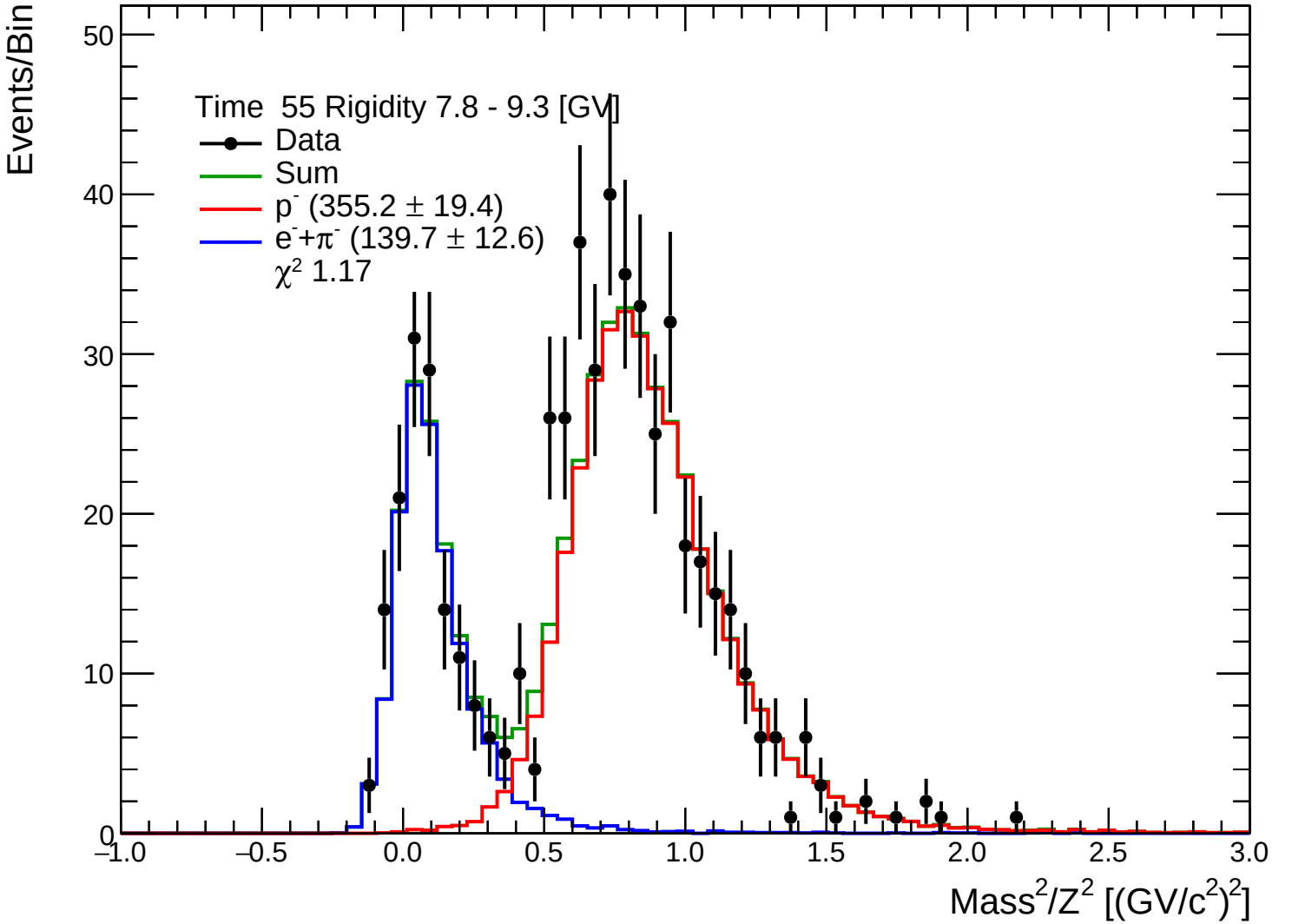

Events/Bin
400
350
300
250
200
150
100
50
0
280
290
300
310
320
Number [Temp 0]

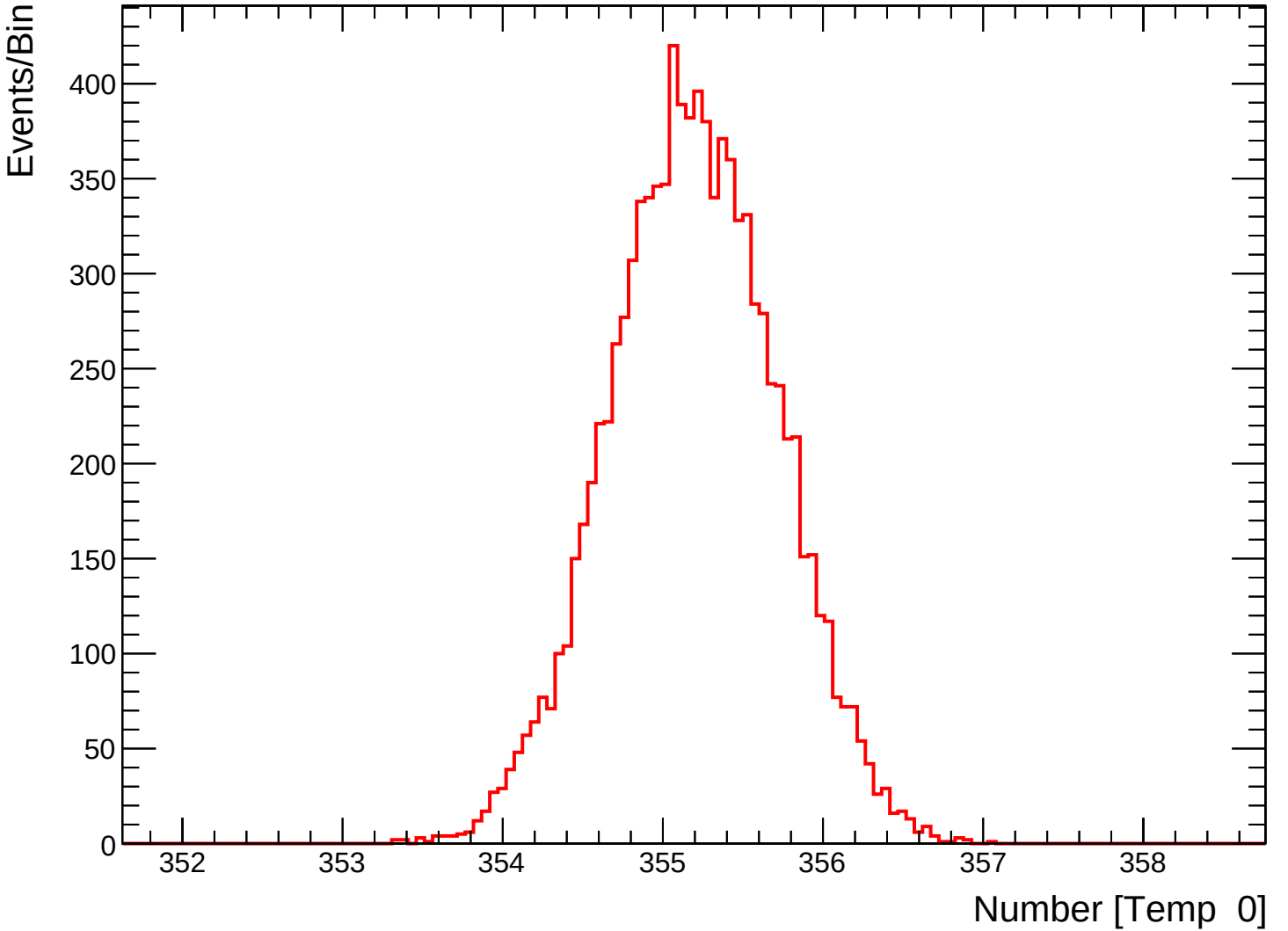

Time 55 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (377.7 ± 20.3)
e⁻+π⁻ (1.2 ± 5.8)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

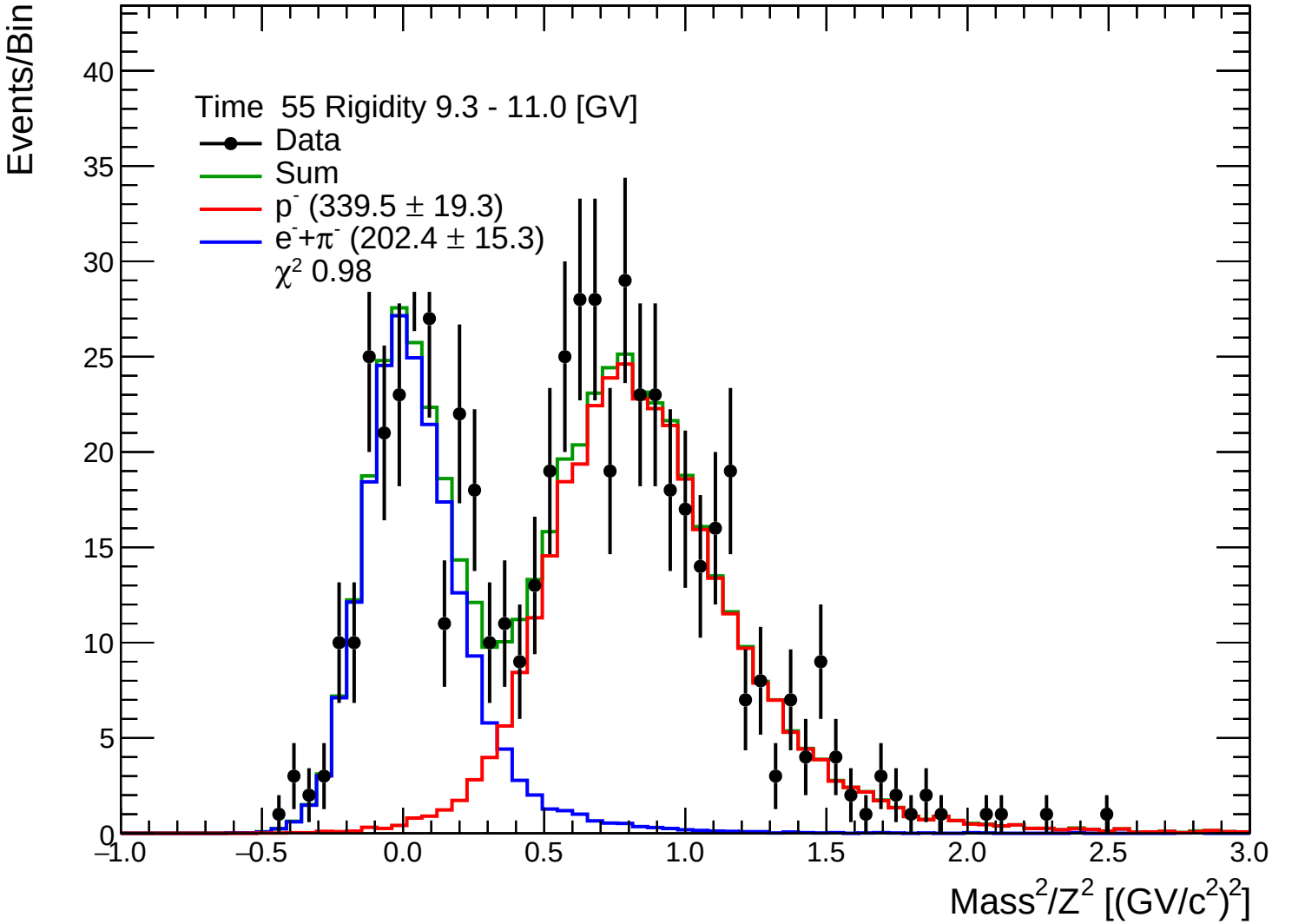

Events/Bin
450
400
350
300
250
200
150
100
50
0
370
372
374
376
378
380
382
384
Number [Temp 0]

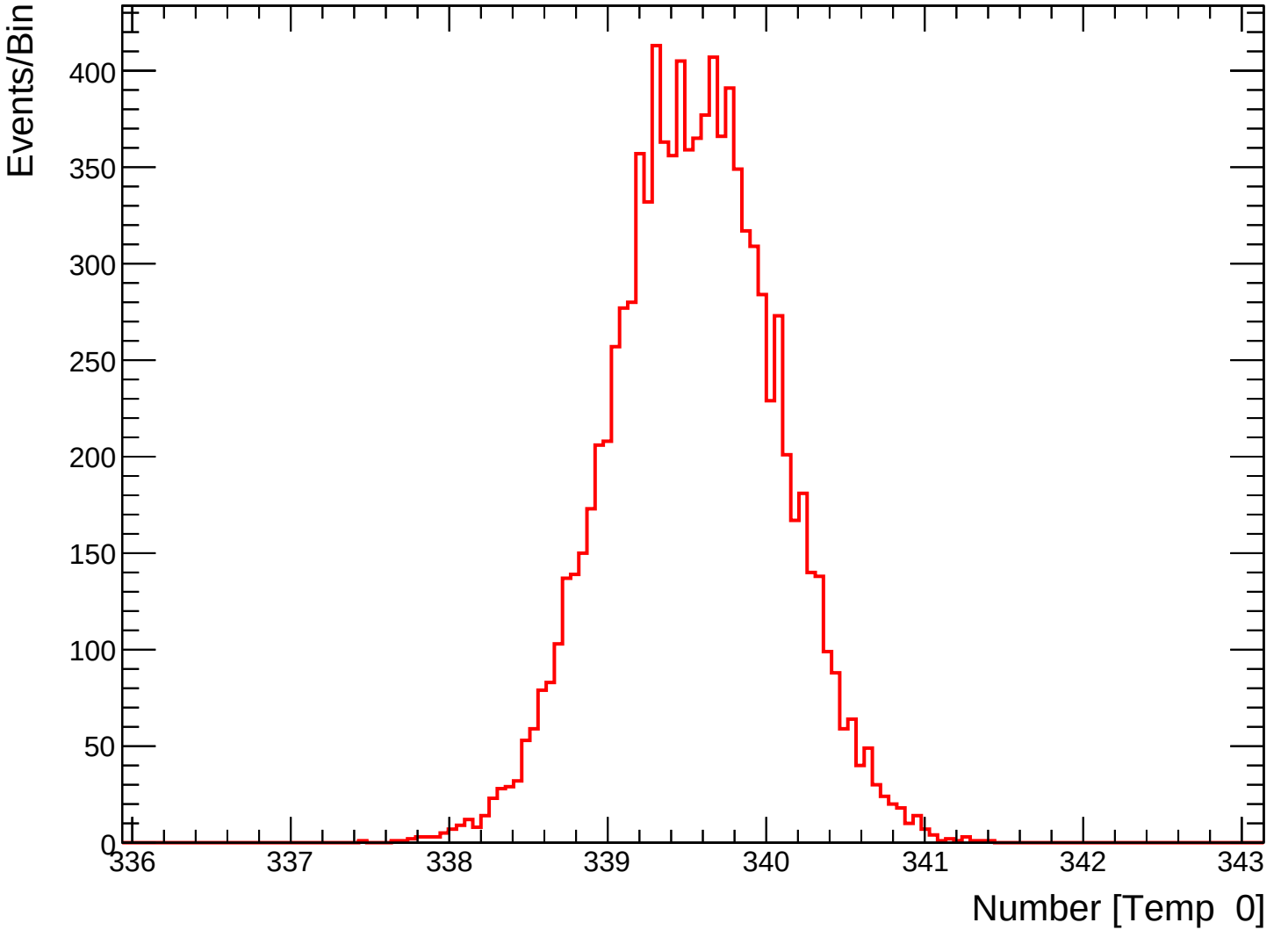

Events/Bin
Time 55 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (412.5 ± 20.7)
e⁻+π⁻ (23.1± 5.8)
χ² 0.94
70
60
50
40
30
20
10
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Mass²/Z² [(GV/c²)²]

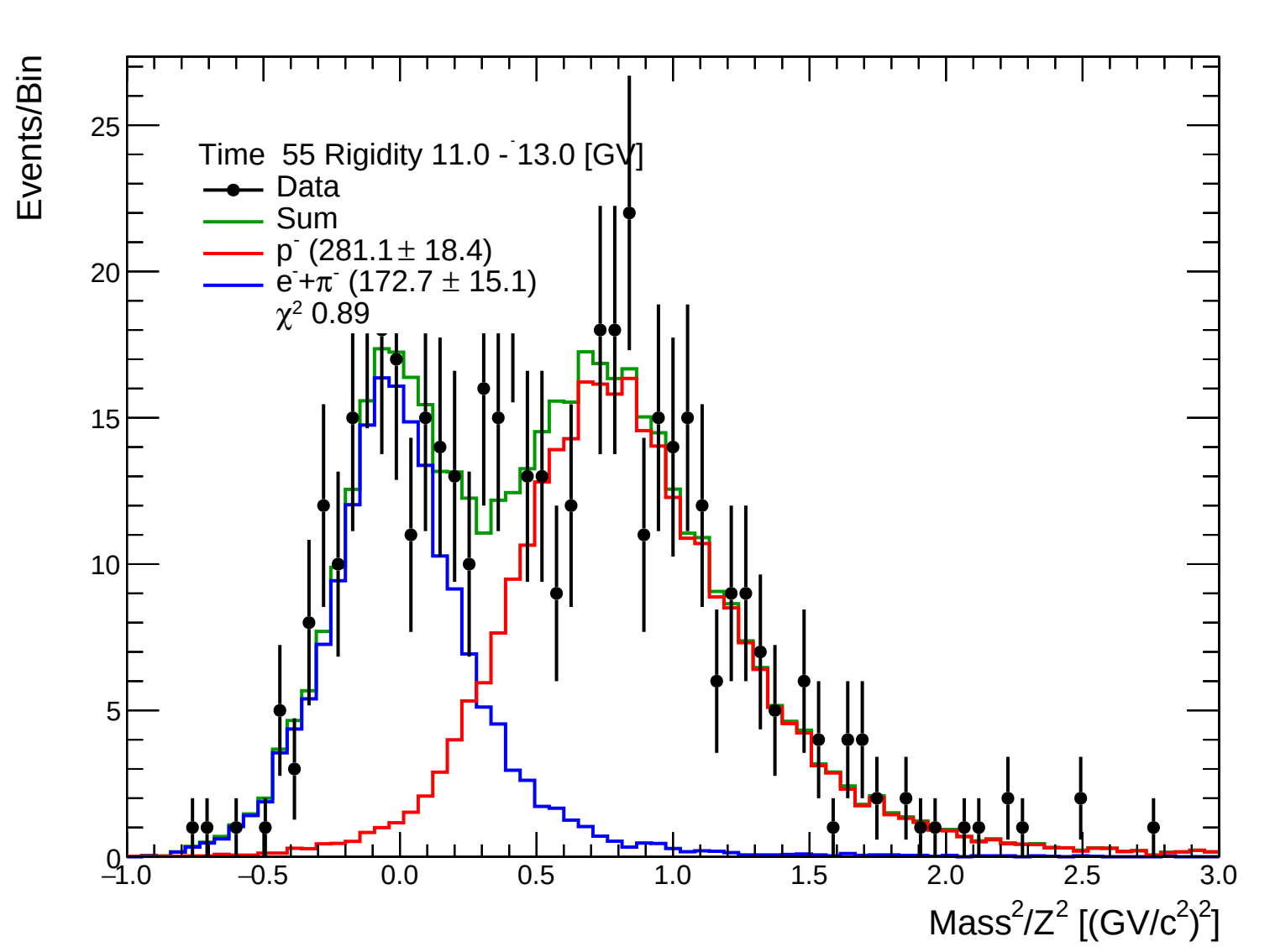

Events/Bin
400
350
300
250
200
150
100
50
0
410
411
412
413
414
415
Number [Temp 0]

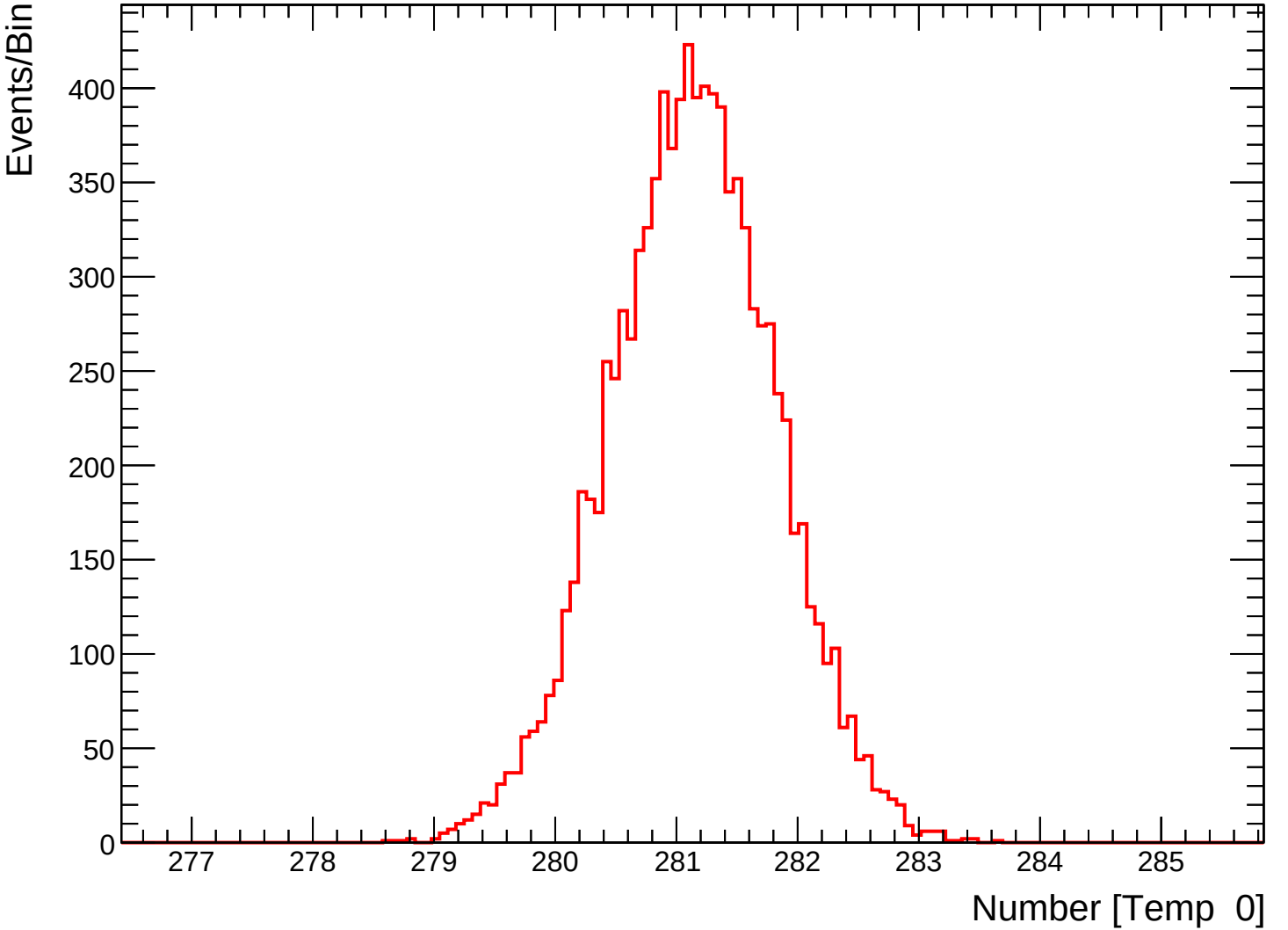

Time 55 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (355.2 ± 19.4)
e⁻+π⁻ (139.7 ± 12.6)
χ² 1.17
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

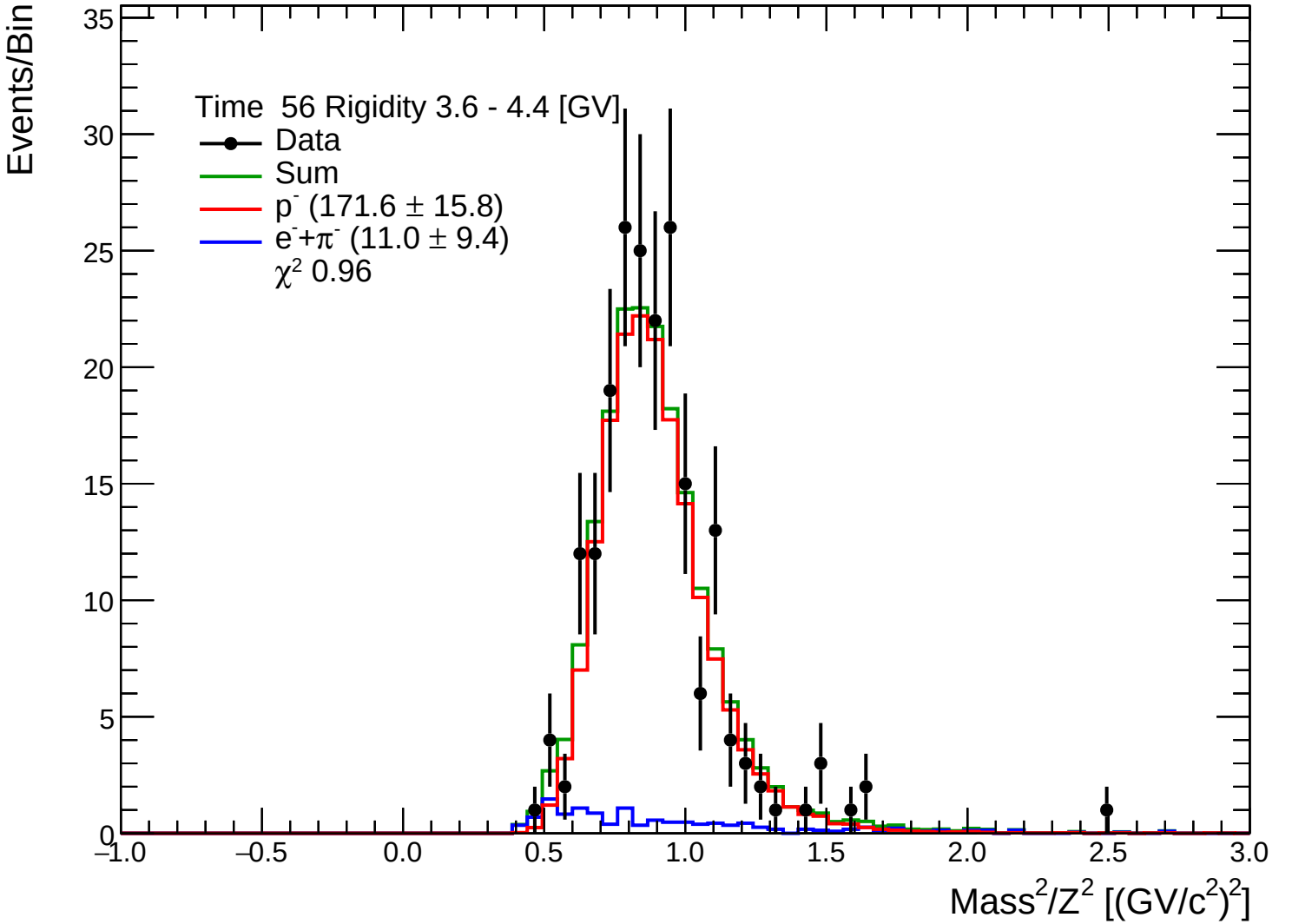

Events/Bin
400
350
300
250
200
150
100
50
0
352
353
354
355
356
357
358
Number [Temp 0]

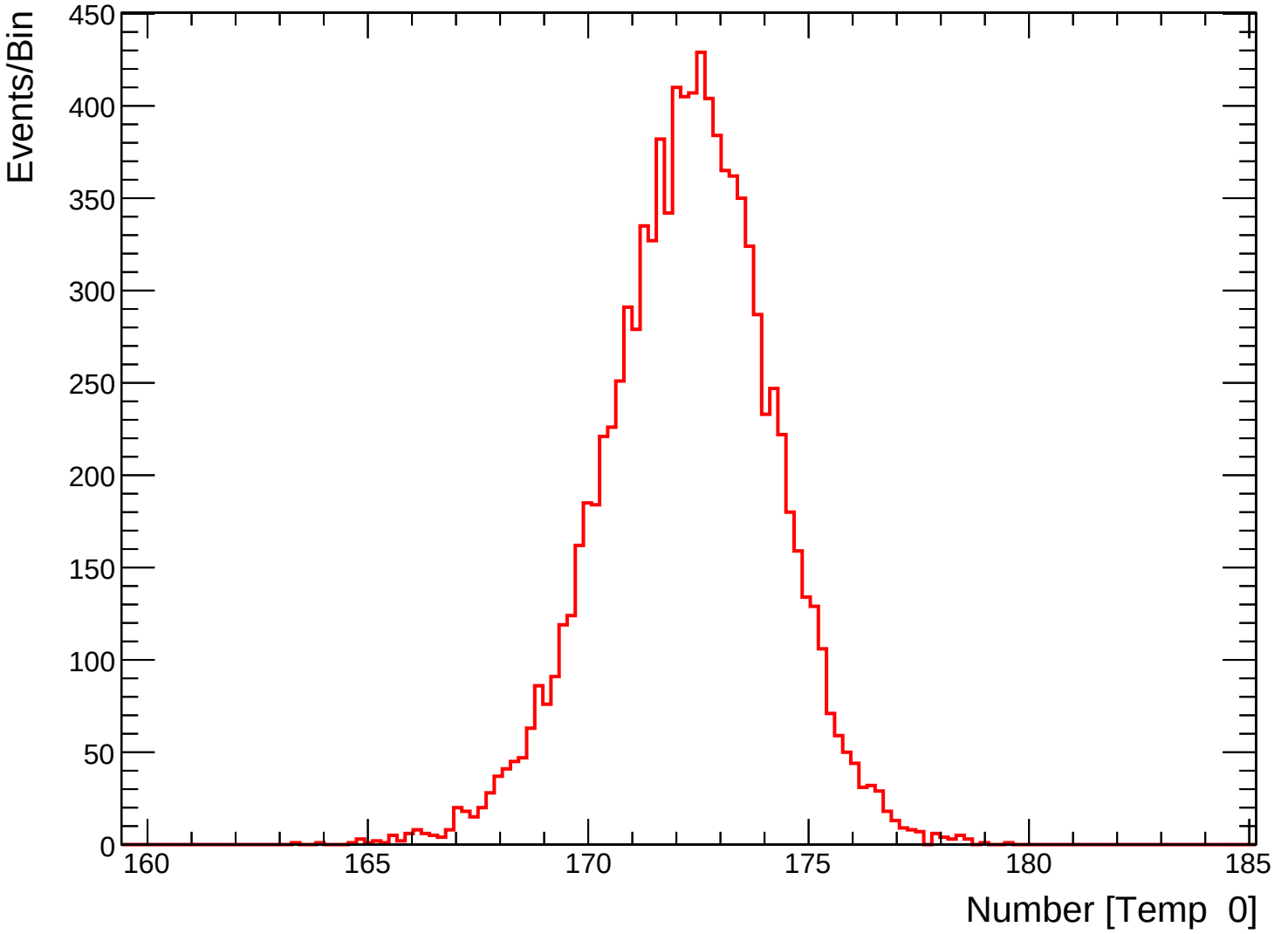

Time 55 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (339.5 ± 19.3)
e⁻+π⁻ (202.4 ± 15.3)
χ² 0.98
Events/Bin
Mass²/Z² [(GV/c²)²]
0
5
10
15
20
25
30
35
40
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

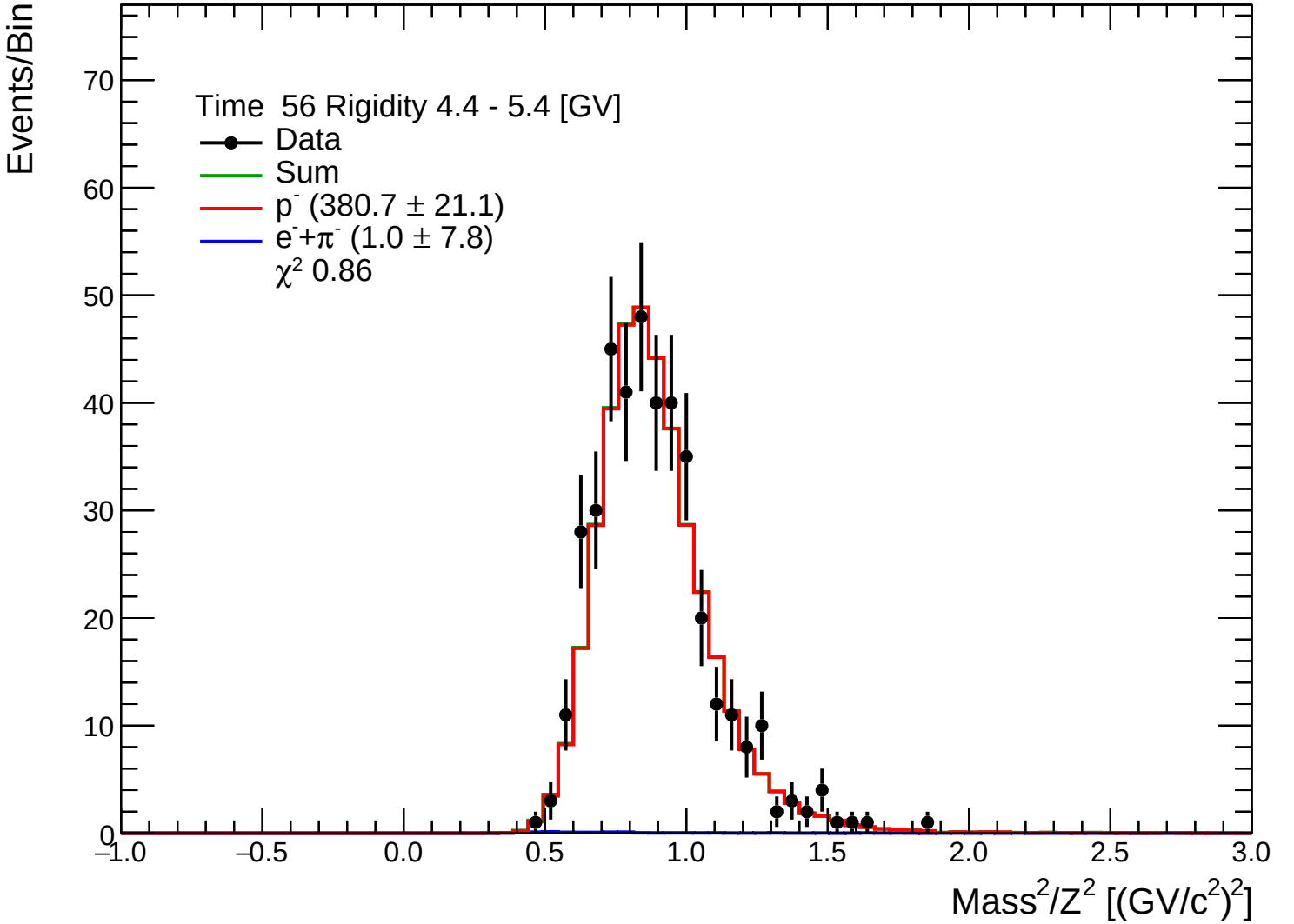

Events/Bin
400
350
300
250
200
150
100
50
0
336
337
338
339
340
341
342
343
Number [Temp 0]

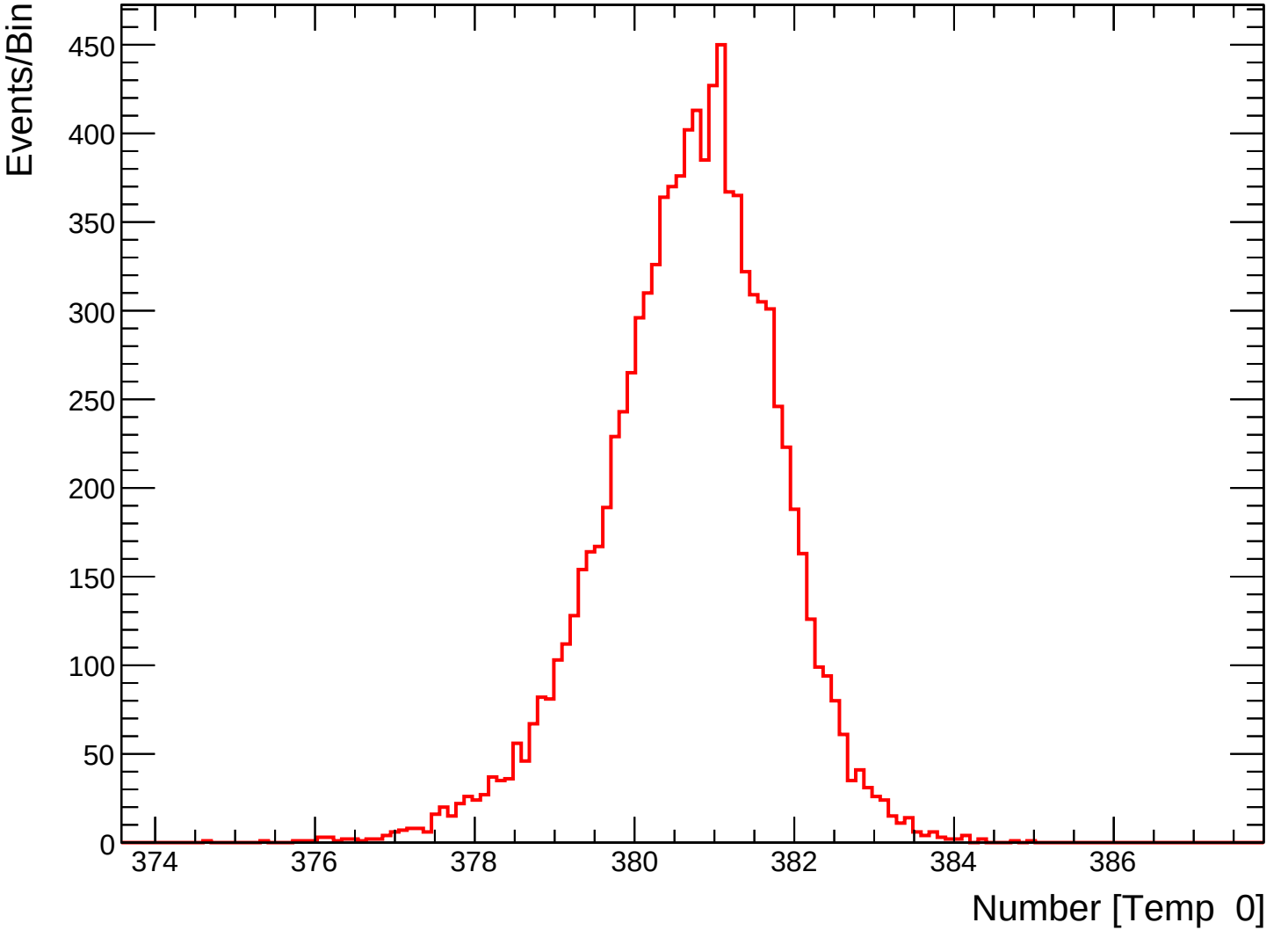

Events/Bin
Time 55 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (281.1 ± 18.4)
e⁻+π⁻ (172.7 ± 15.1)
χ² 0.89
25
20
15
10
5
0
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Mass²/Z² [(GV/c²)²]

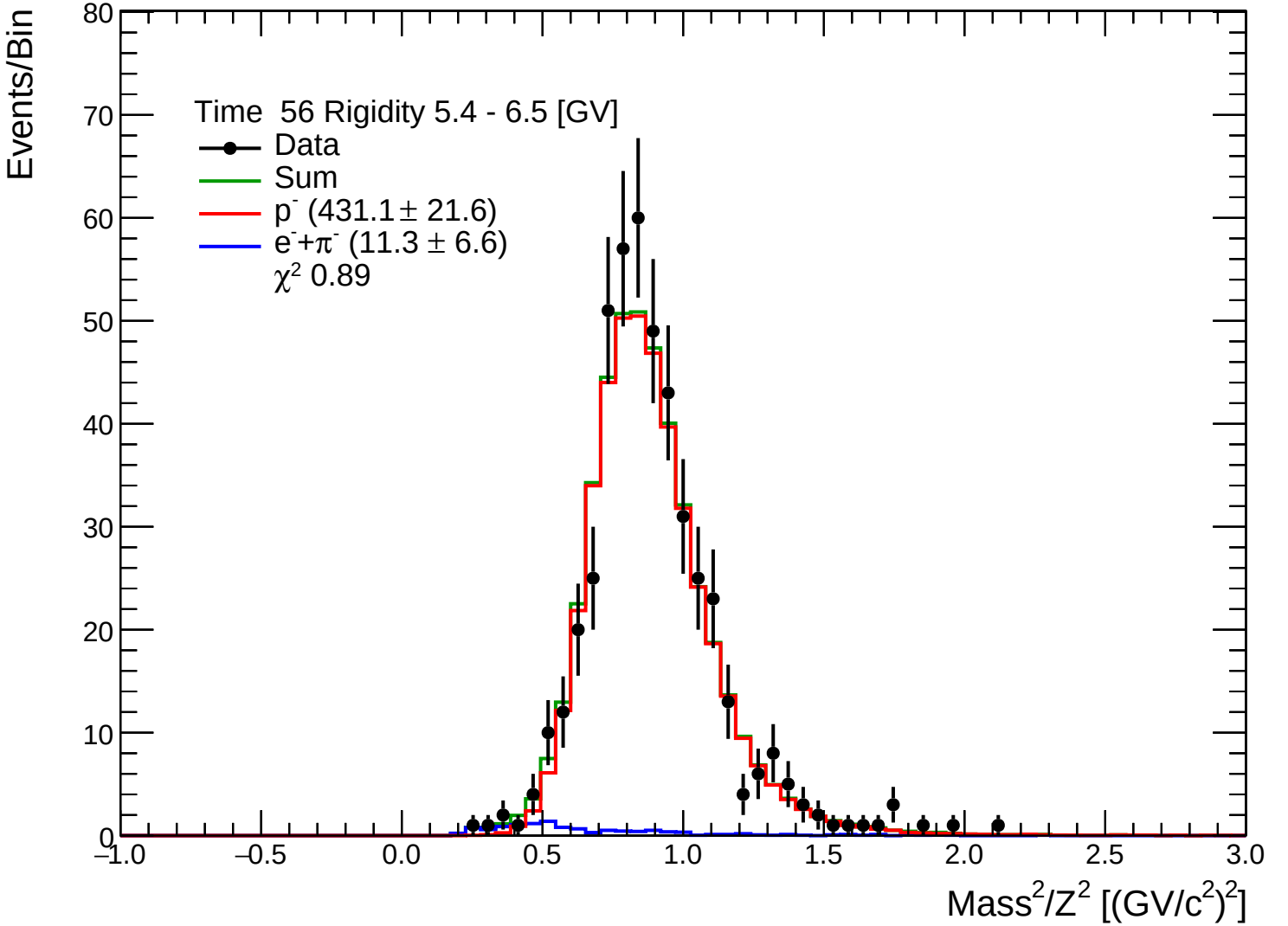

Events/Bin
400
350
300
250
200
150
100
50
0
277
278
279
280
281
282
283
284
285
Number [Temp 0]

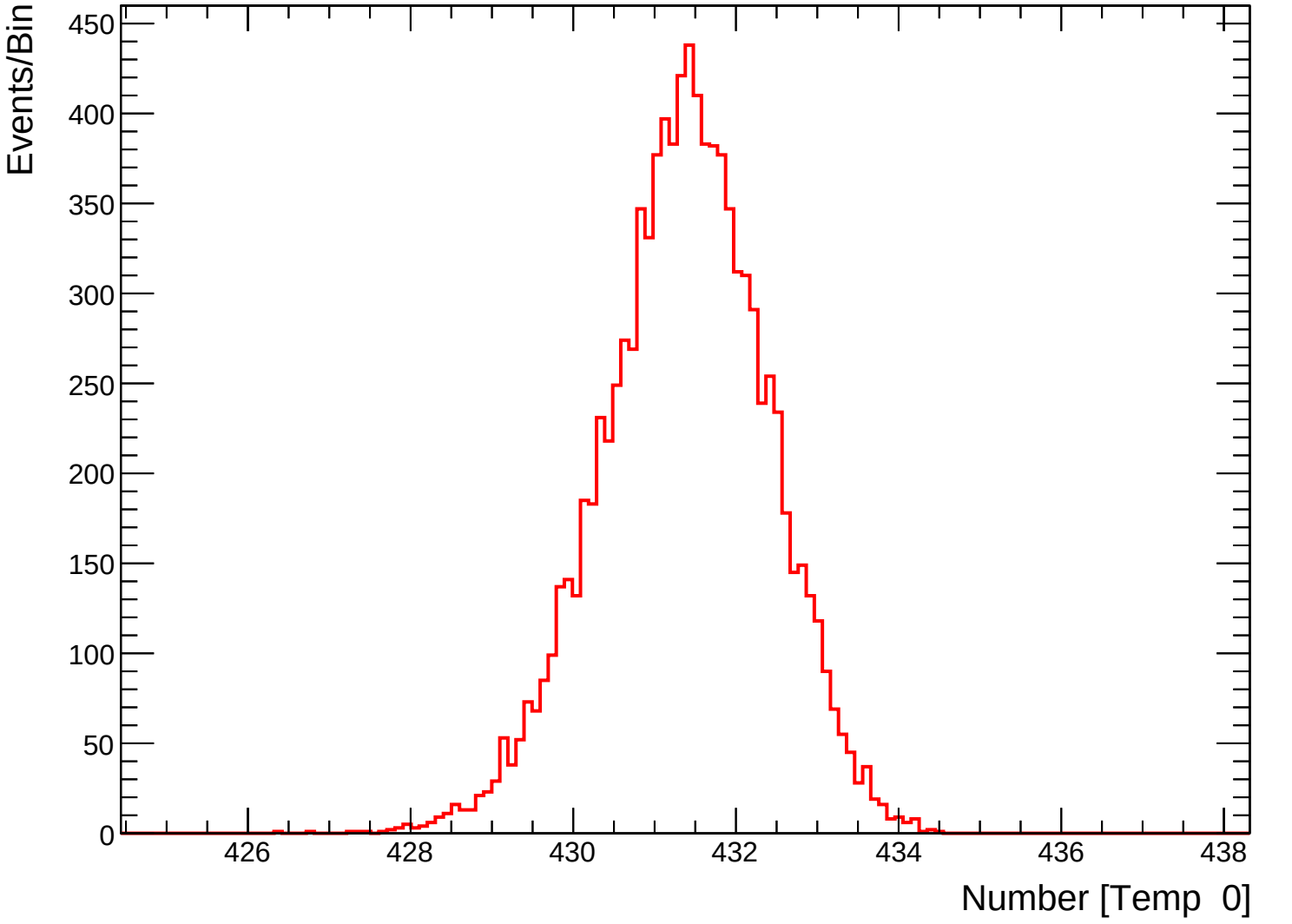

Time 56 Rigidity 3.6 - 4.4 [GV]
Data
Sum
p⁻ (171.6 ± 15.8)
e⁻+π⁻ (11.0 ± 9.4)
χ² 0.96
Events/Bin
Mass²/Z² [(GV/c²)²]
0
5
10
15
20
25
30
35
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

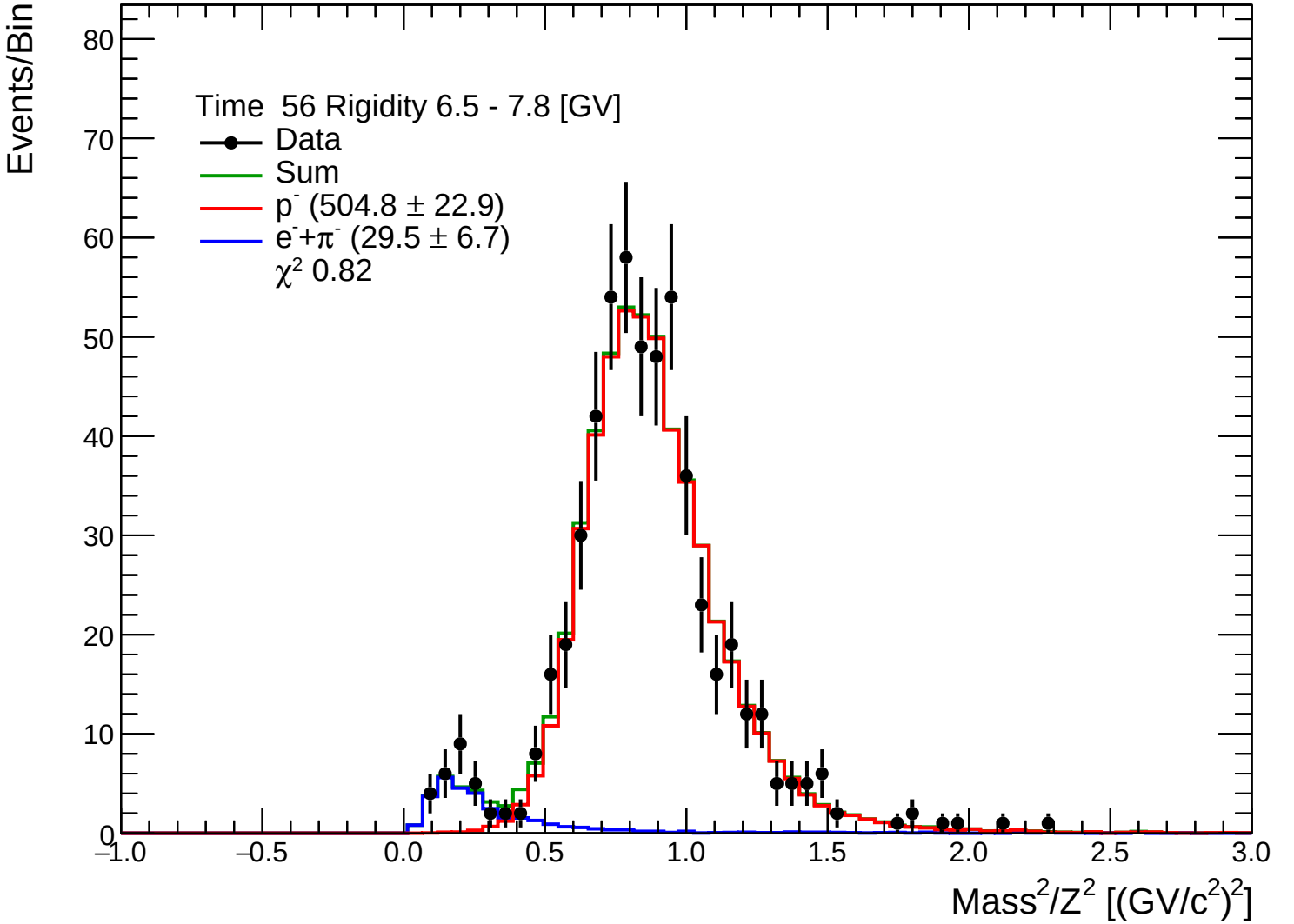

Events/Bin
450
400
350
300
250
200
150
100
50
0
160
165
170
175
180
185
Number [Temp 0]

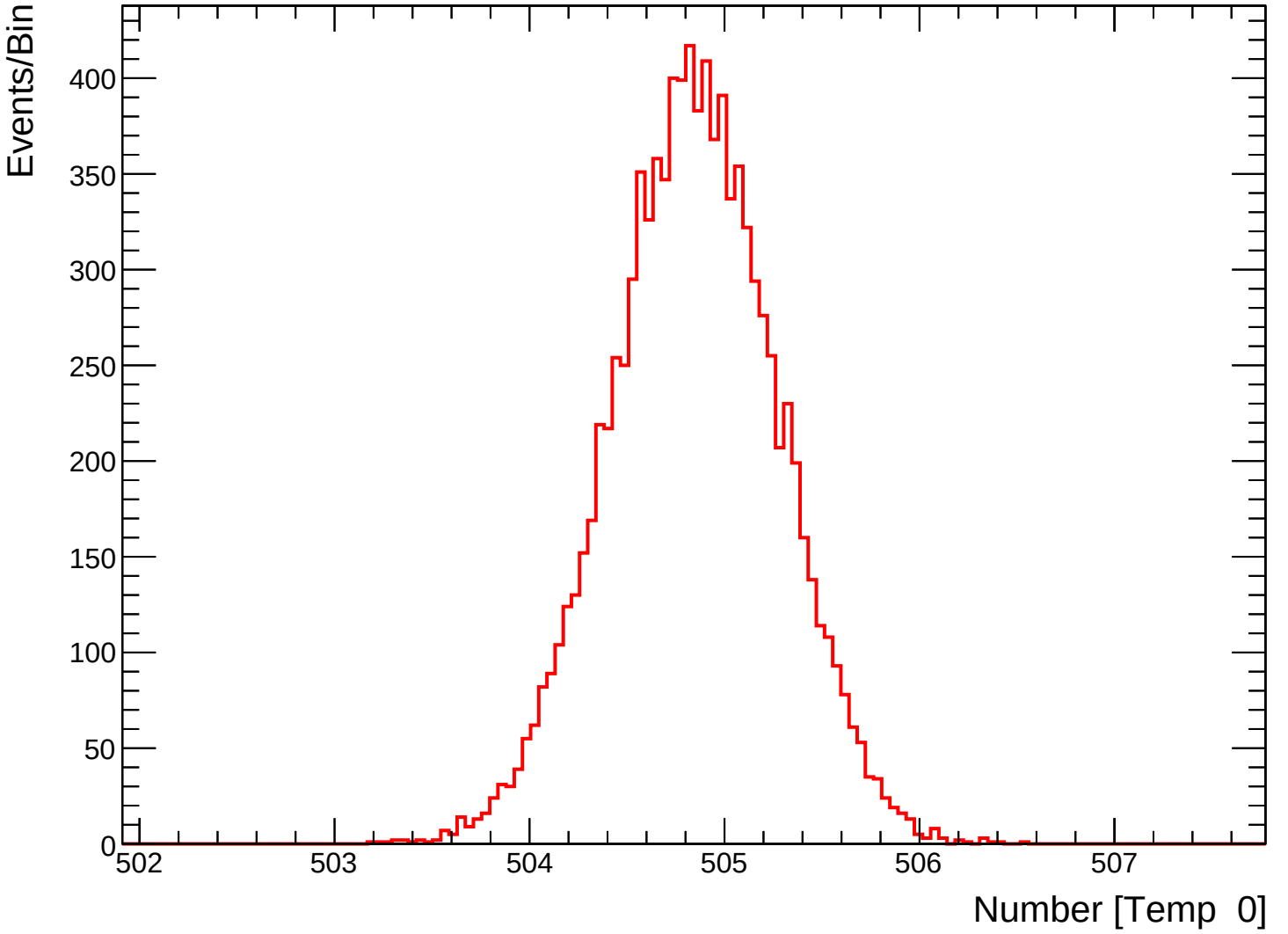

Time 56 Rigidity 4.4 - 5.4 [GV]
Data
Sum
p⁻ (380.7 ± 21.1)
e⁻+π⁻ (1.0 ± 7.8)
χ² 0.86
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

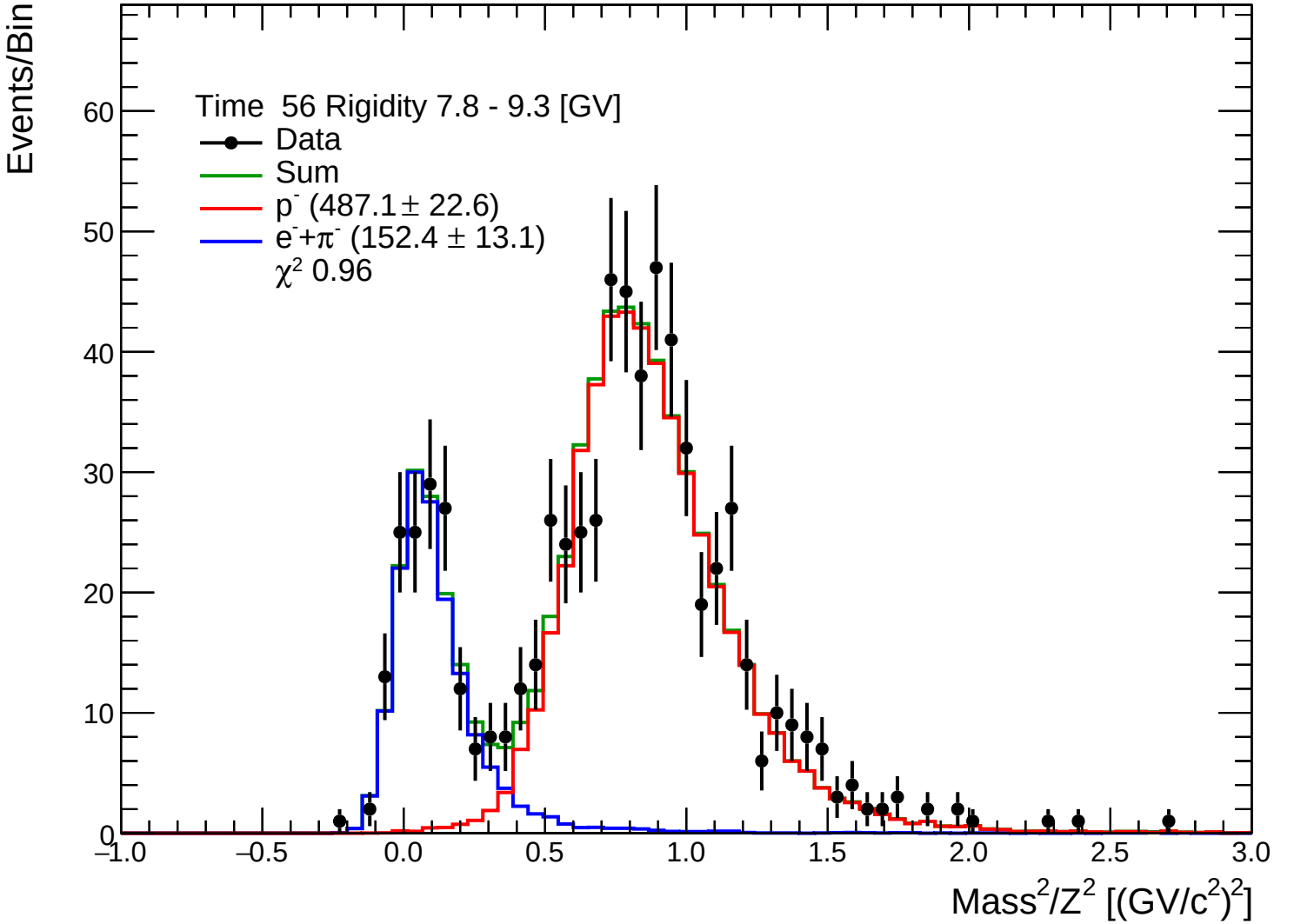

Events/Bin
450
400
350
300
250
200
150
100
50
0
374
376
378
380
382
384
386
Number [Temp 0]

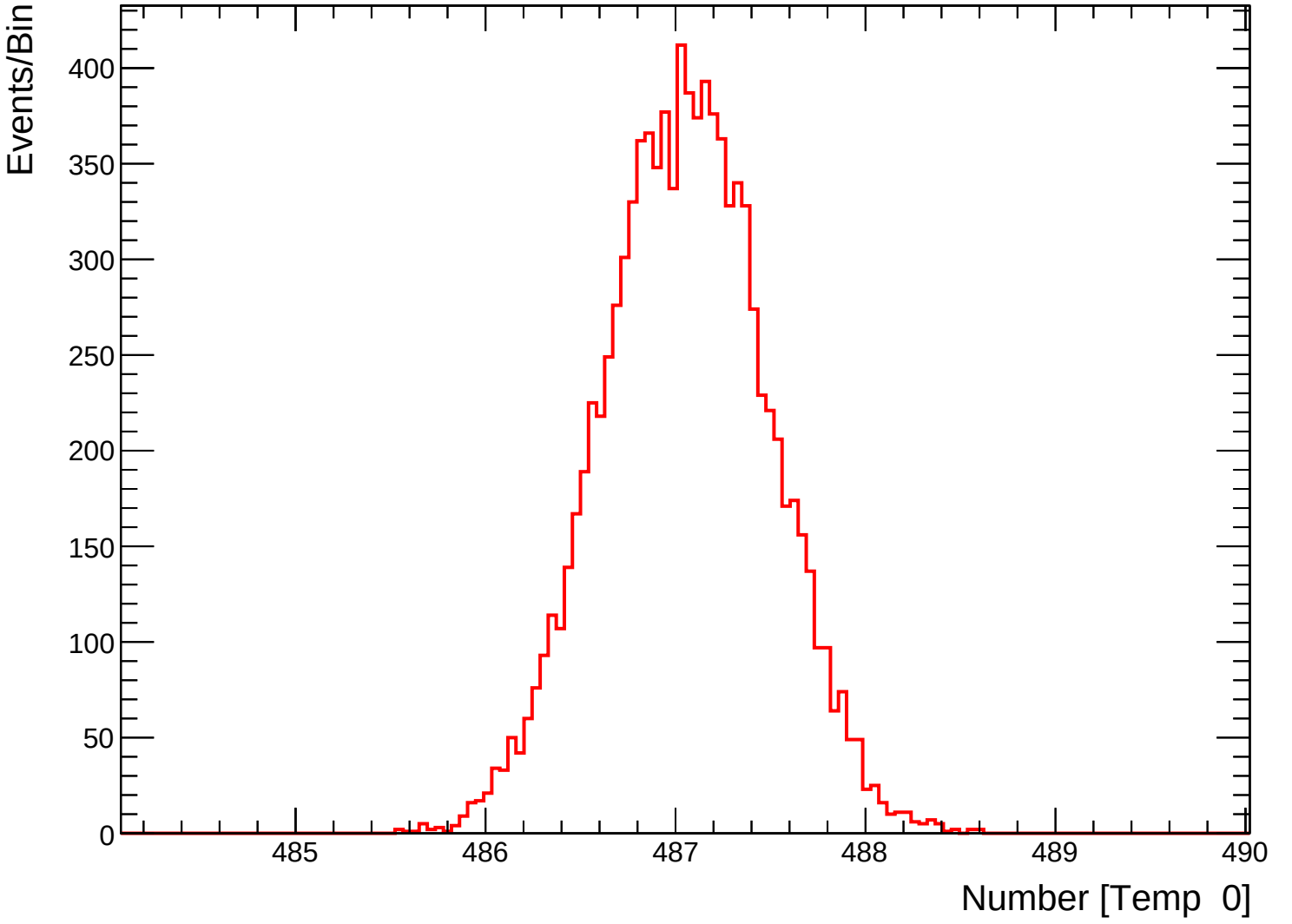

Time 56 Rigidity 5.4 - 6.5 [GV]
Data
Sum
p⁻ (431.1 ± 21.6)
e⁻+π⁻ (11.3 ± 6.6)
χ² 0.89
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

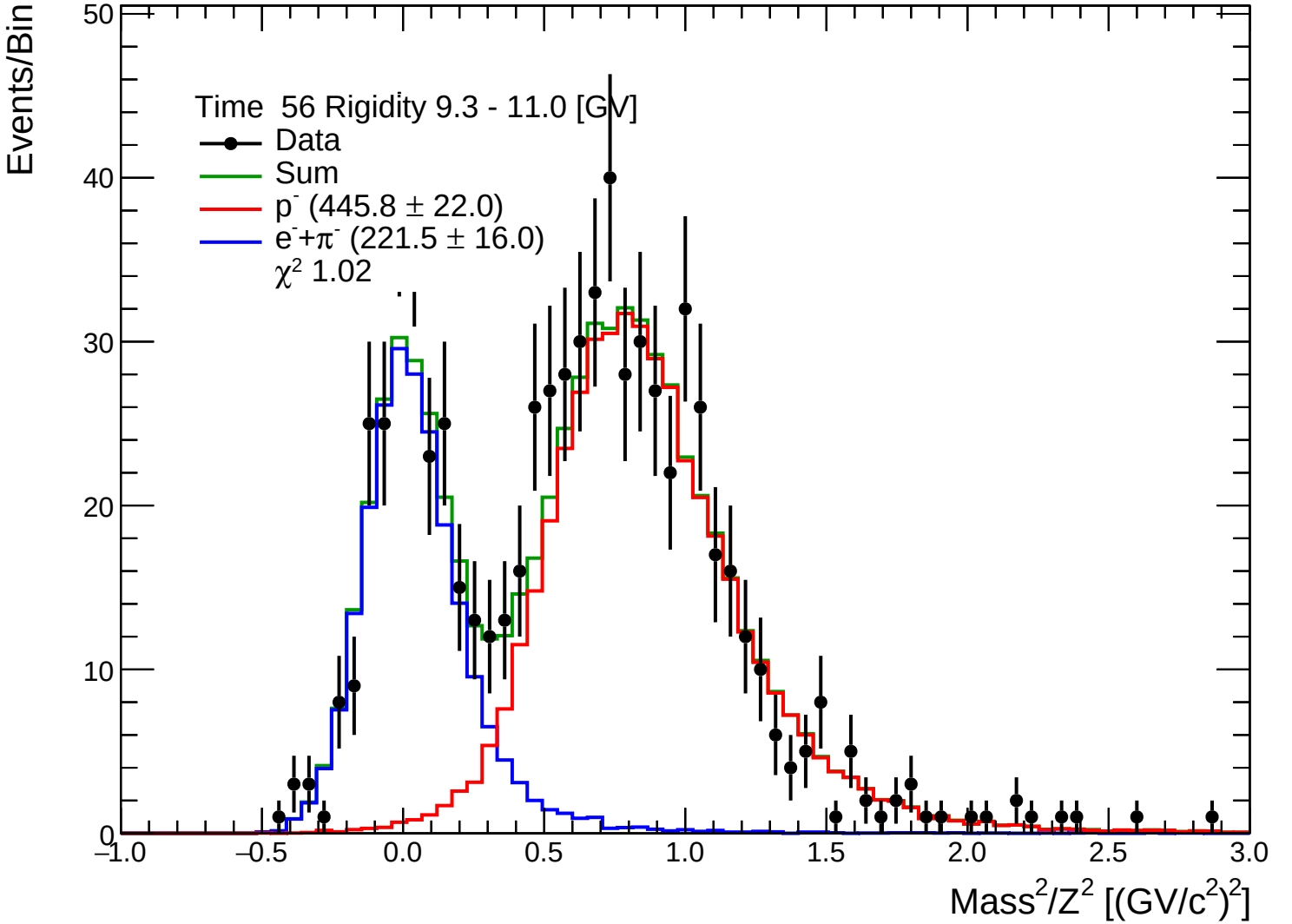

Events/Bin
450
400
350
300
250
200
150
100
50
0
426
428
430
432
434
436
438
Number [Temp 0]

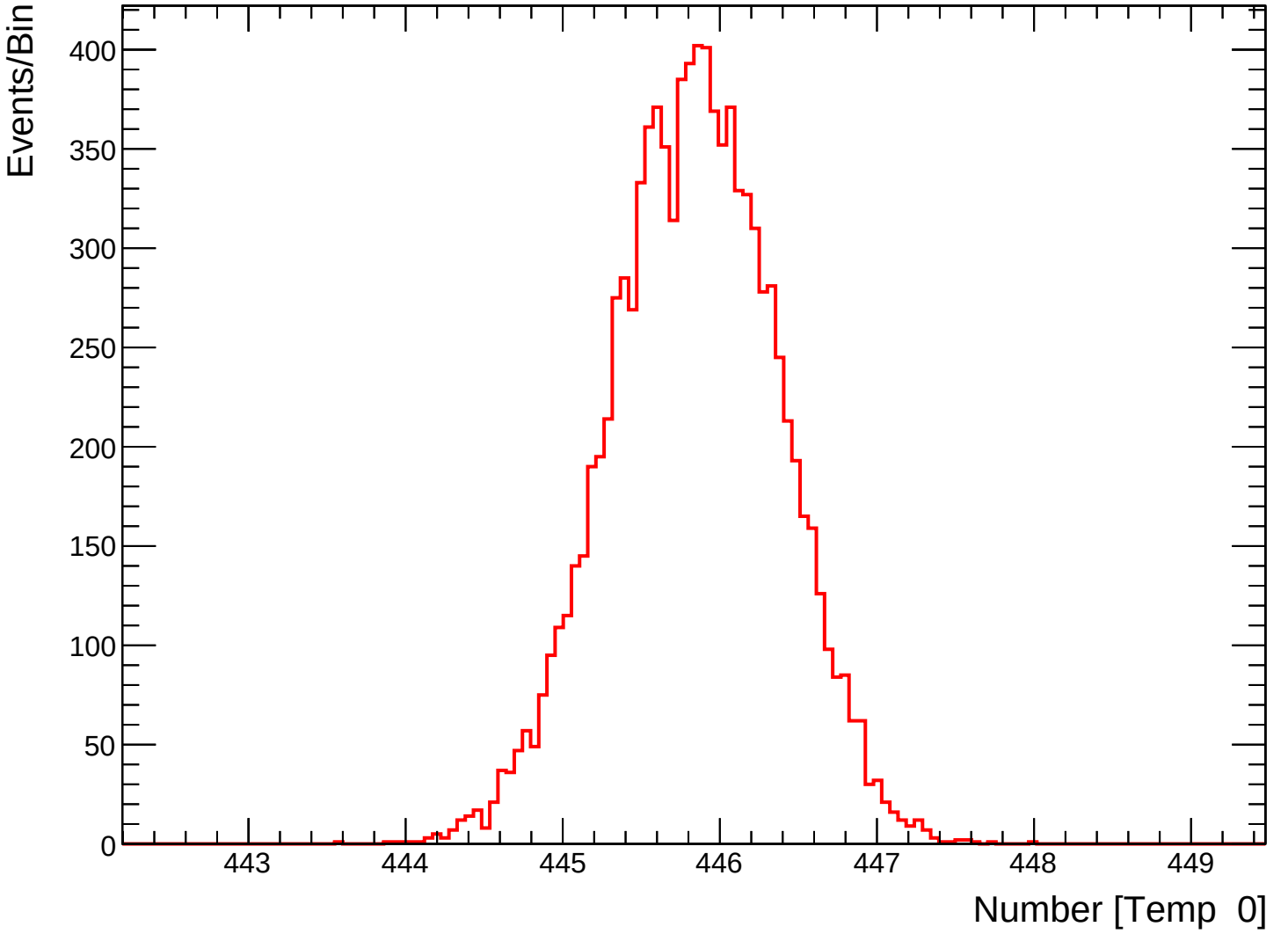

Time 56 Rigidity 6.5 - 7.8 [GV]
Data
Sum
p⁻ (504.8 ± 22.9)
e⁻+π⁻ (29.5 ± 6.7)
χ² 0.82
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
70
80
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0

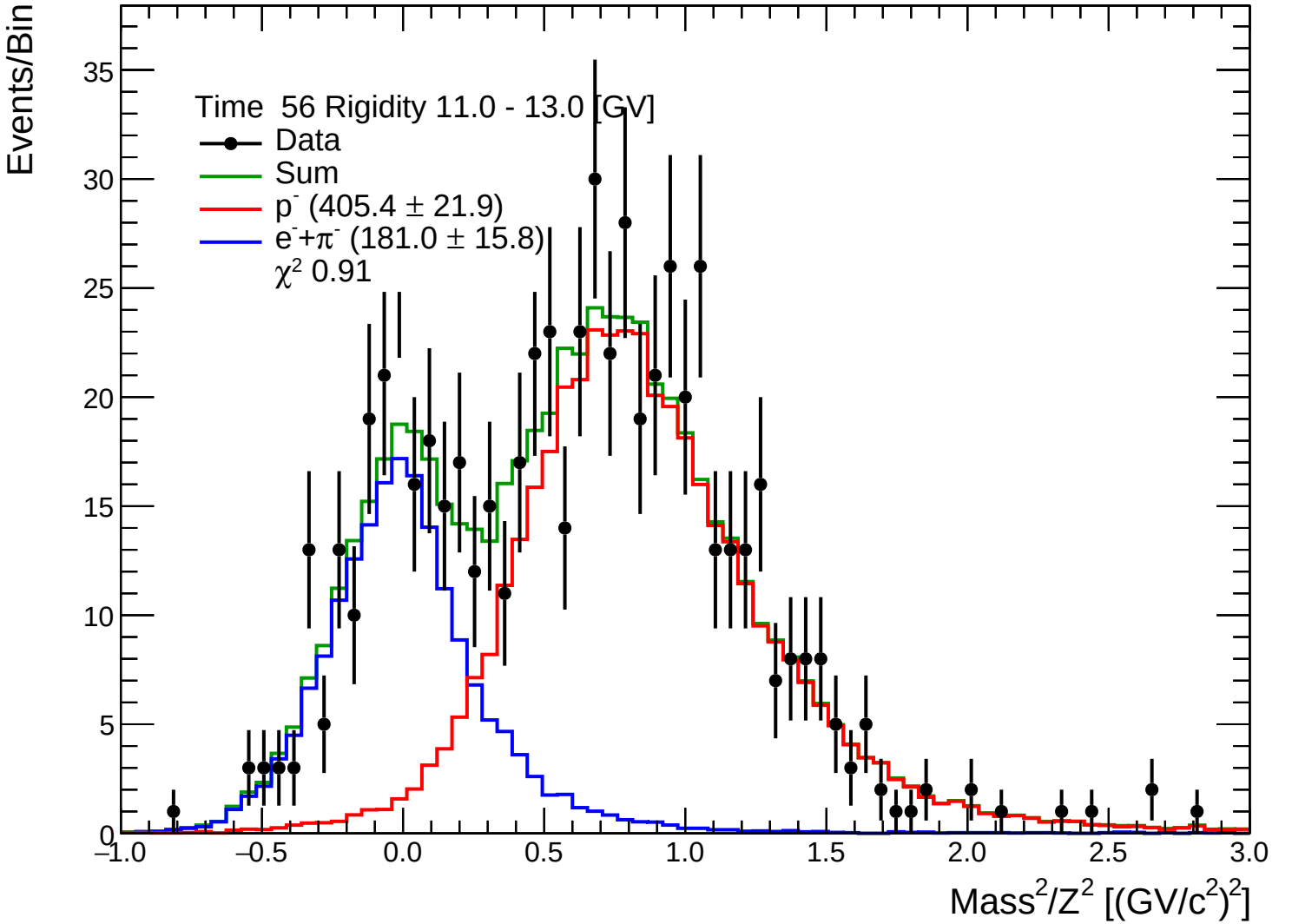

Events/Bin
400
350
300
250
200
150
100
50
0
502
503
504
505
506
507
Number [Temp 0]

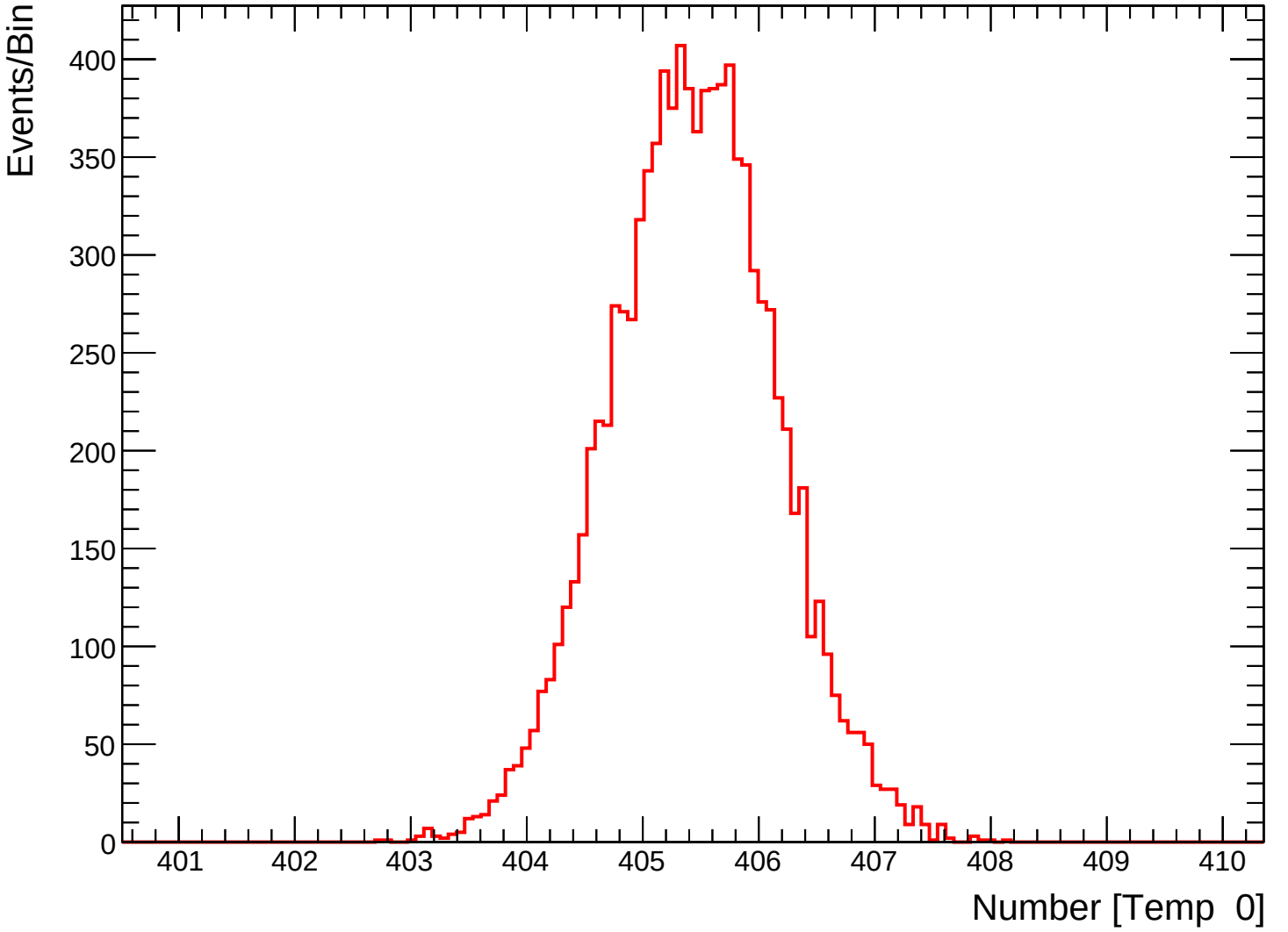

Time 56 Rigidity 7.8 - 9.3 [GV]
Data
Sum
p⁻ (487.1 ± 22.6)
e⁻+π⁻ (152.4 ± 13.1)
χ² 0.96
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
60
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0


Events/Bin
400
350
300
250
200
150
100
50
0
485
486
487
488
489
490
Number [Temp 0]


Time 56 Rigidity 9.3 - 11.0 [GV]
Data
Sum
p⁻ (445.8 ± 22.0)
e⁻+π⁻ (221.5 ± 16.0)
χ² 1.02
Events/Bin
Mass²/Z² [(GV/c²)²]
0
10
20
30
40
50
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0


Events/Bin
400
350
300
250
200
150
100
50
0
443
444
445
446
447
448
449
Number [Temp 0]


Time 56 Rigidity 11.0 - 13.0 [GV]
Data
Sum
p⁻ (405.4 ± 21.9)
e⁻+π⁻ (181.0 ± 15.8)
χ² 0.91
Events/Bin
Mass²/Z² [(GV/c²)²]
0
5
10
15
20
25
30
35
–1.0
–0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0


Events/Bin
400
350
300
250
200
150
100
50
0
401
402
403
404
405
406
407
408
409
410
Number [Temp 0]

<< END >> apflux_tme2M_lrh