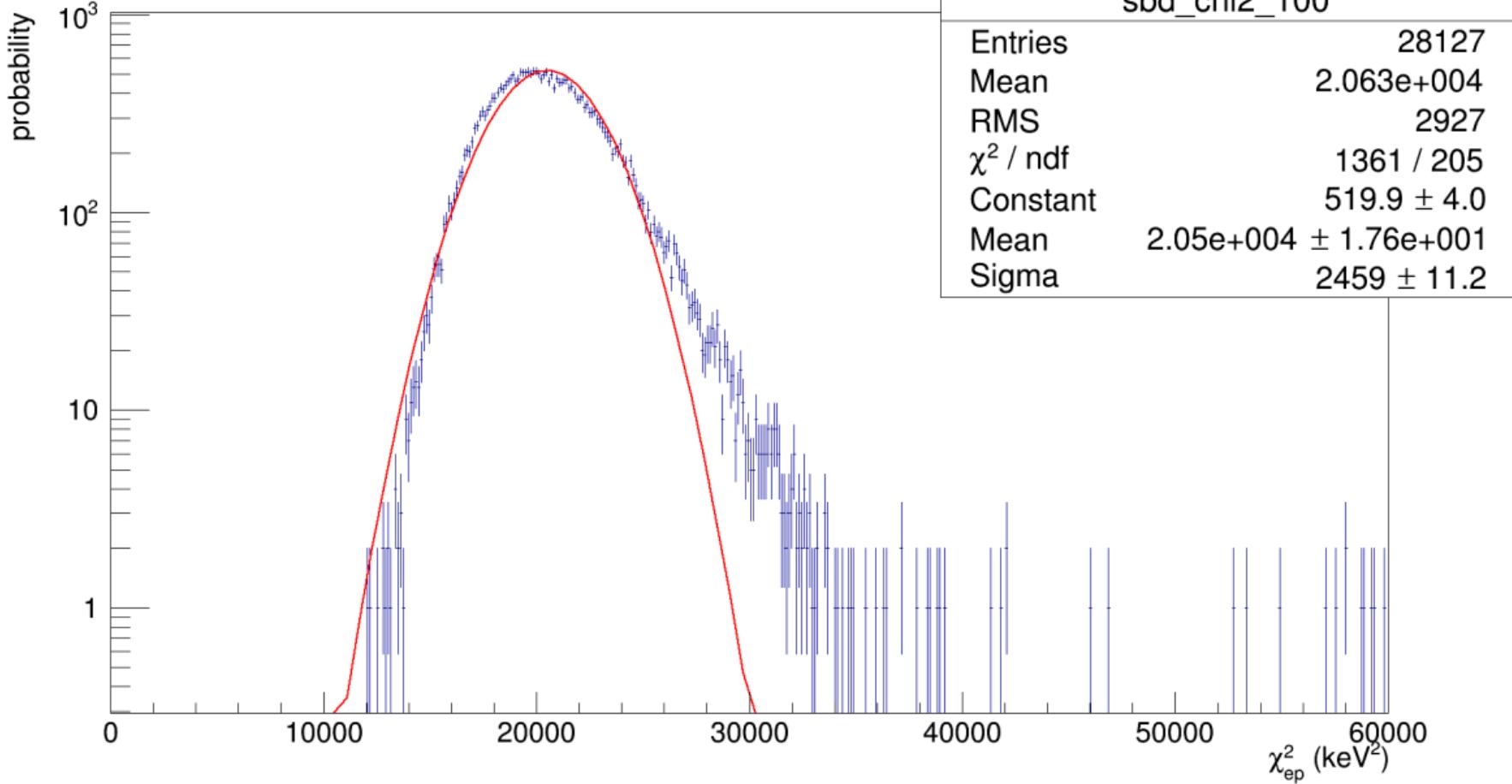
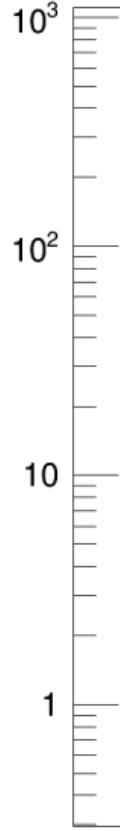


χ^2_{ep} from 100.00 keV to 101.00 keV

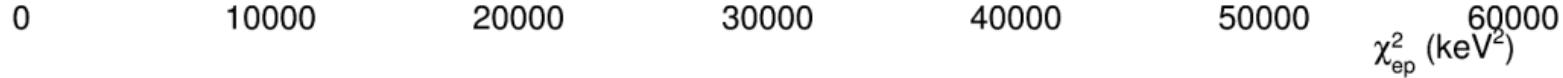


χ^2_{ep} from 101.00 keV to 102.00 keV

probability

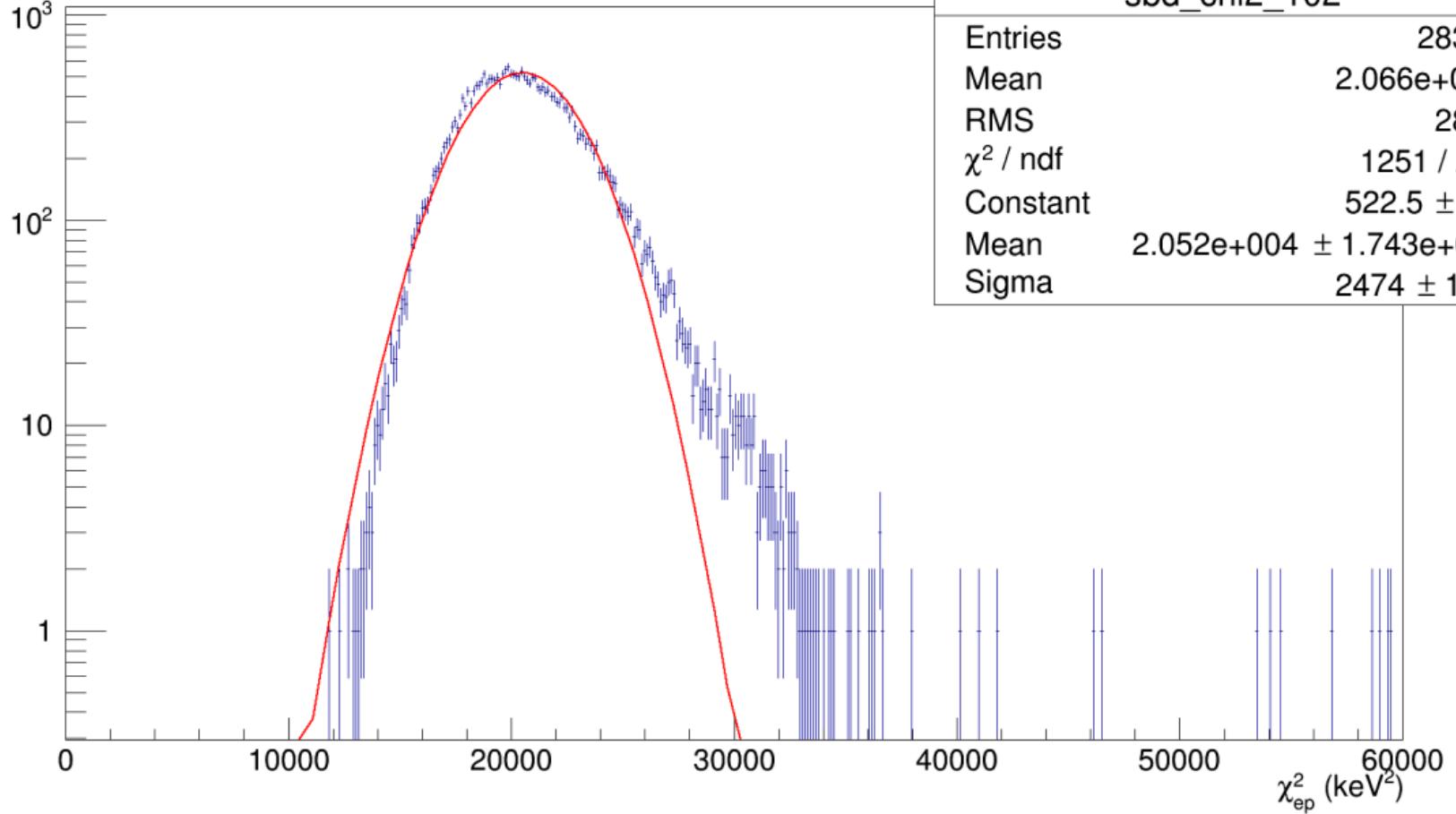


sbd_chi2_101	
Entries	28268
Mean	2.069e+004
RMS	2930
χ^2 / ndf	1458 / 205
Constant	520.1 ± 4.0
Mean	2.057e+004 ± 1.796e+001
Sigma	2461 ± 11.2



χ^2_{ep} from 102.00 keV to 103.00 keV

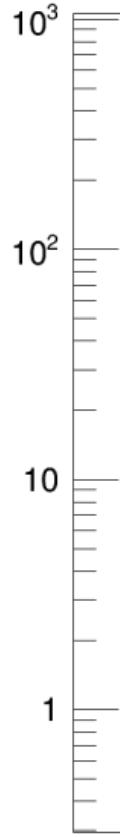
probability



sbd_chi2_102	
Entries	28314
Mean	2.066e+004
RMS	2874
χ^2 / ndf	1251 / 201
Constant	522.5 ± 4.0
Mean	2.052e+004 ± 1.743e+001
Sigma	2474 ± 11.4

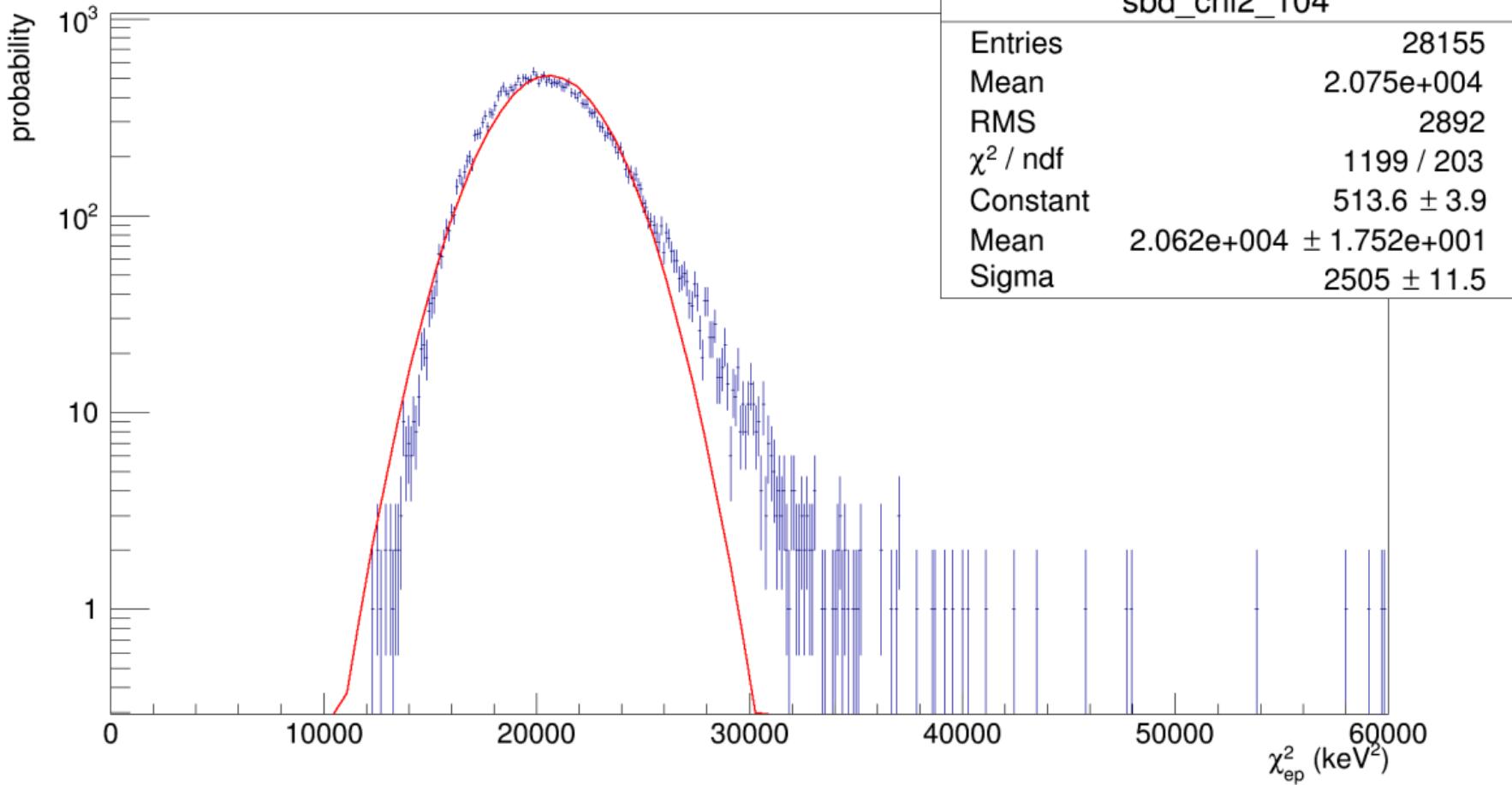
χ^2_{ep} from 103.00 keV to 104.00 keV

probability



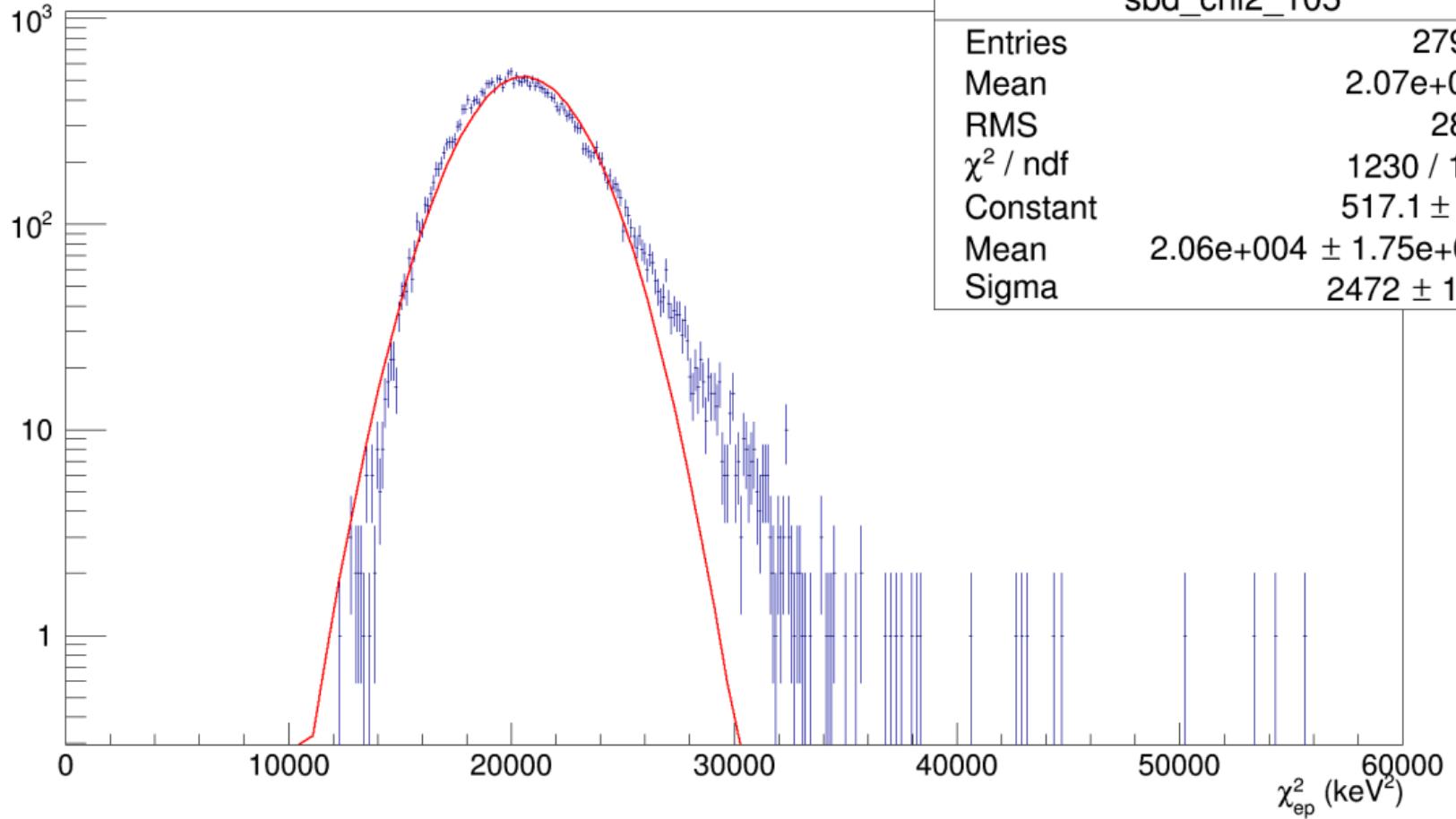
sbd_chi2_103	
Entries	28098
Mean	2.071e+004
RMS	2862
χ^2 / ndf	1185 / 194
Constant	511.9 ± 3.9
Mean	2.06e+004 ± 1.75e+001
Sigma	2511 ± 11.6

χ^2_{ep} from 104.00 keV to 105.00 keV



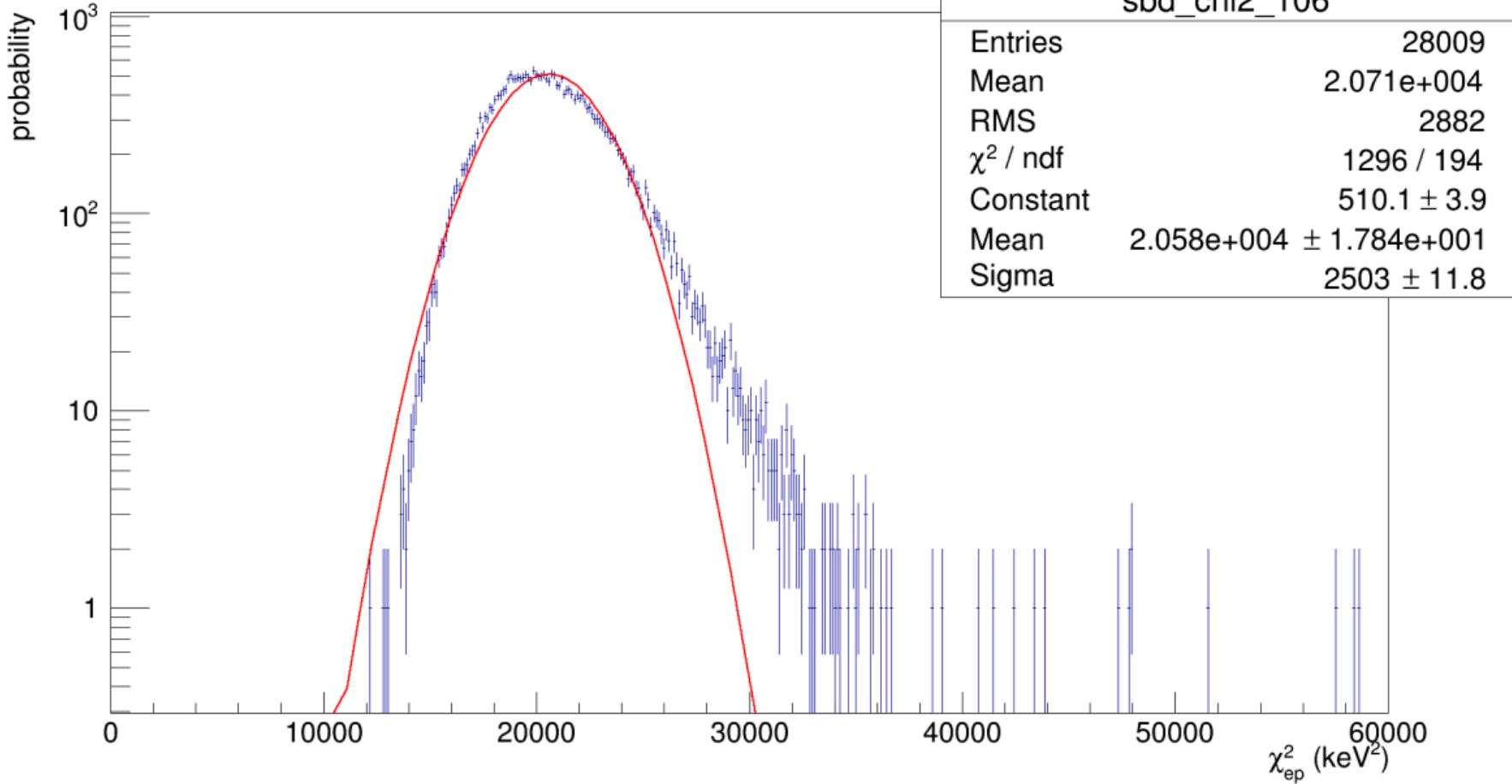
χ^2_{ep} from 105.00 keV to 106.00 keV

probability



sbd_chi2_105	
Entries	27998
Mean	2.07e+004
RMS	2837
χ^2 / ndf	1230 / 194
Constant	517.1 ± 3.9
Mean	2.06e+004 ± 1.75e+001
Sigma	2472 ± 11.3

χ^2_{ep} from 106.00 keV to 107.00 keV



χ^2_{ep} from 107.00 keV to 108.00 keV

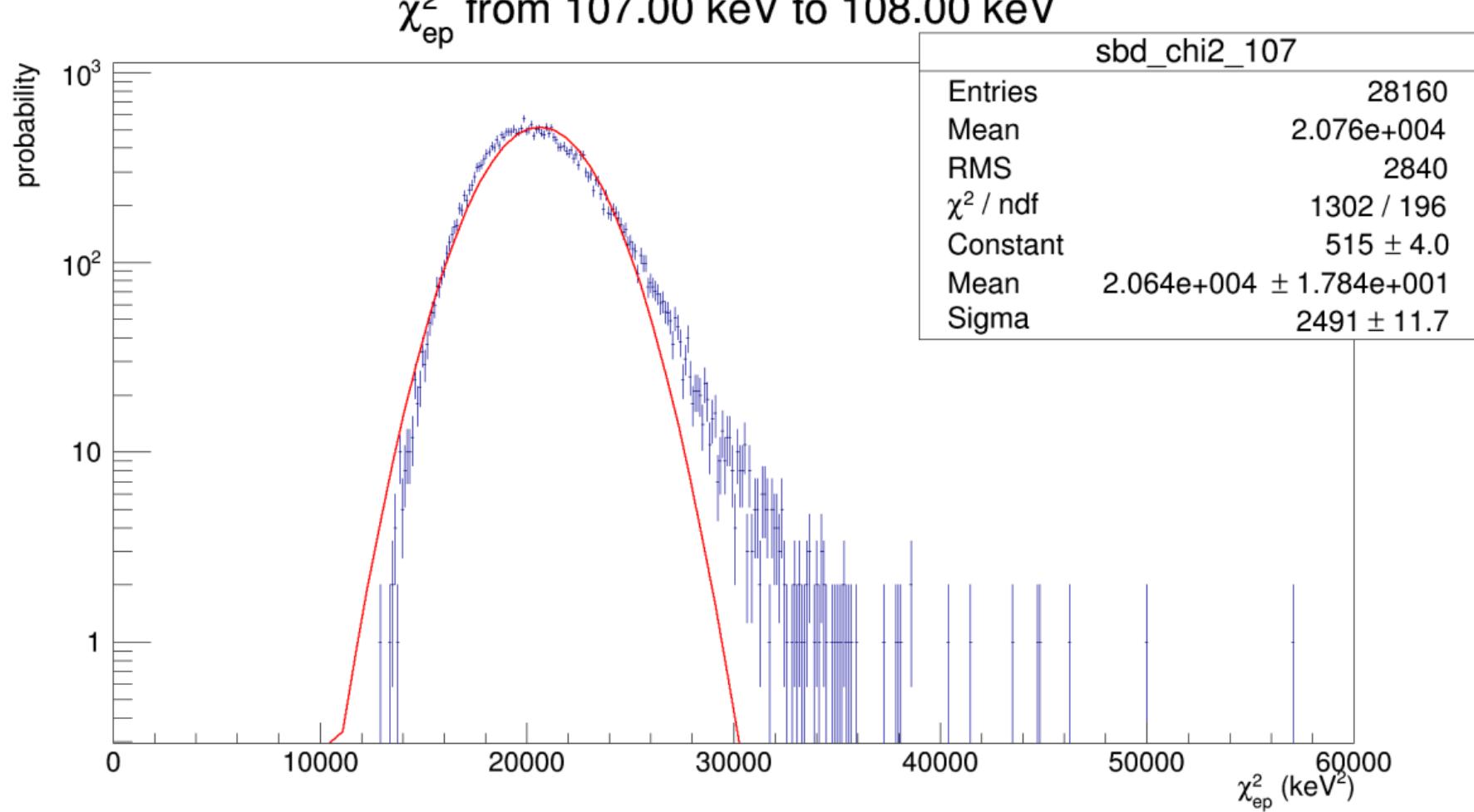
probability

10³
10²
10

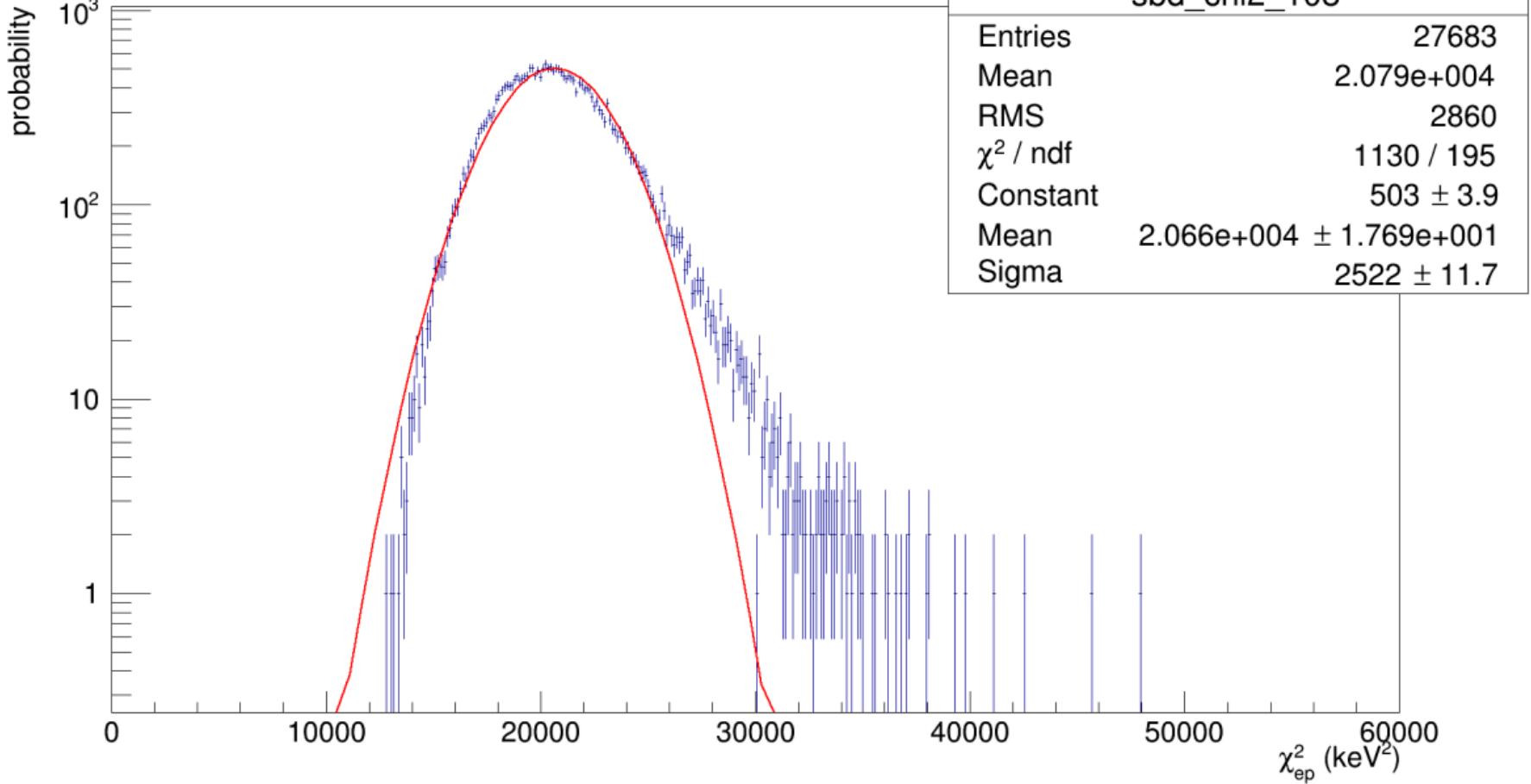
0 10000 20000 30000 40000 50000 60000

χ^2_{ep} (keV²)

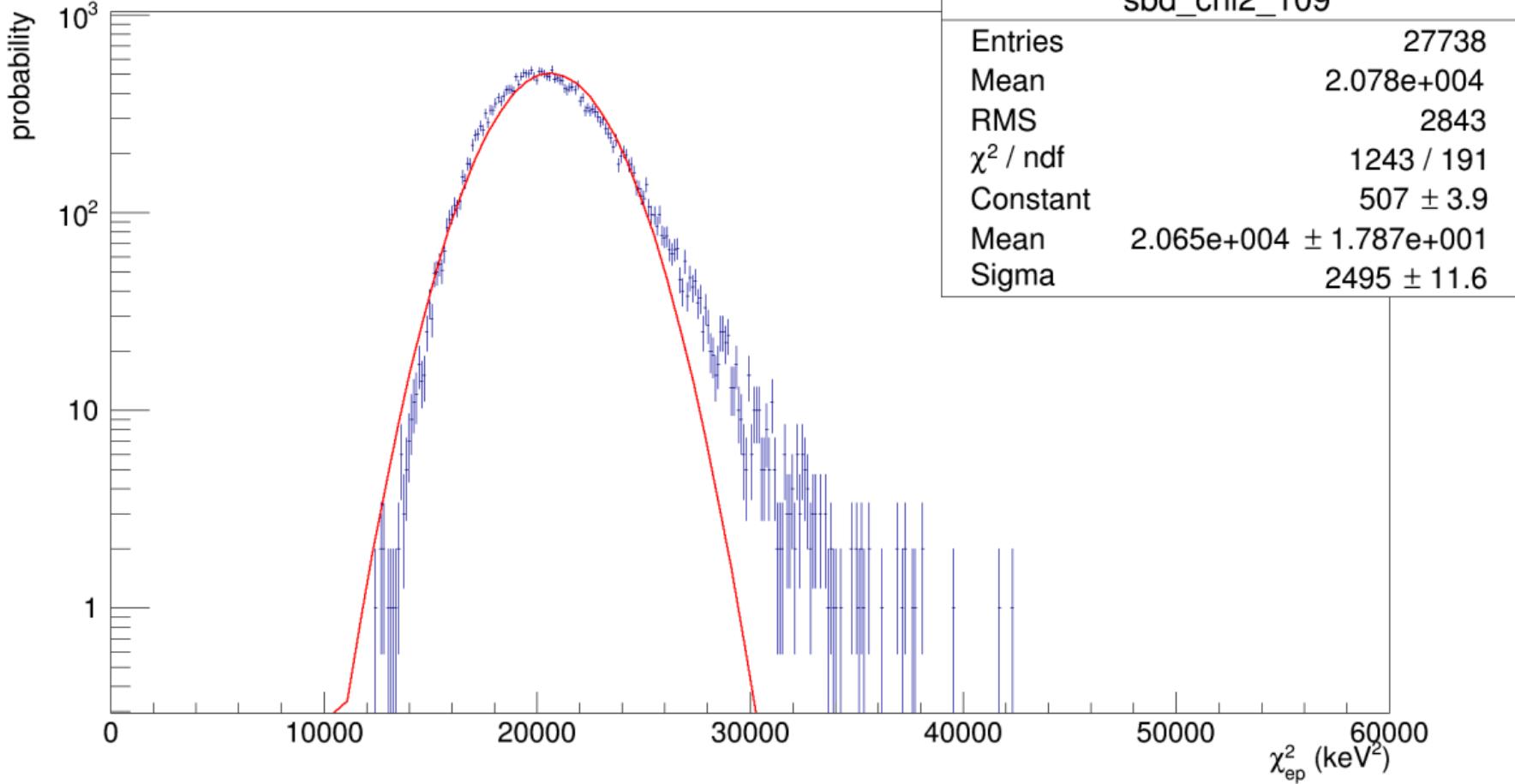
sbd_chi2_107	
Entries	28160
Mean	2.076e+004
RMS	2840
χ^2 / ndf	1302 / 196
Constant	515 ± 4.0
Mean	2.064e+004 ± 1.784e+001
Sigma	2491 ± 11.7



χ^2_{ep} from 108.00 keV to 109.00 keV



χ^2_{ep} from 109.00 keV to 110.00 keV



χ^2_{ep} from 110.00 keV to 111.00 keV

probability

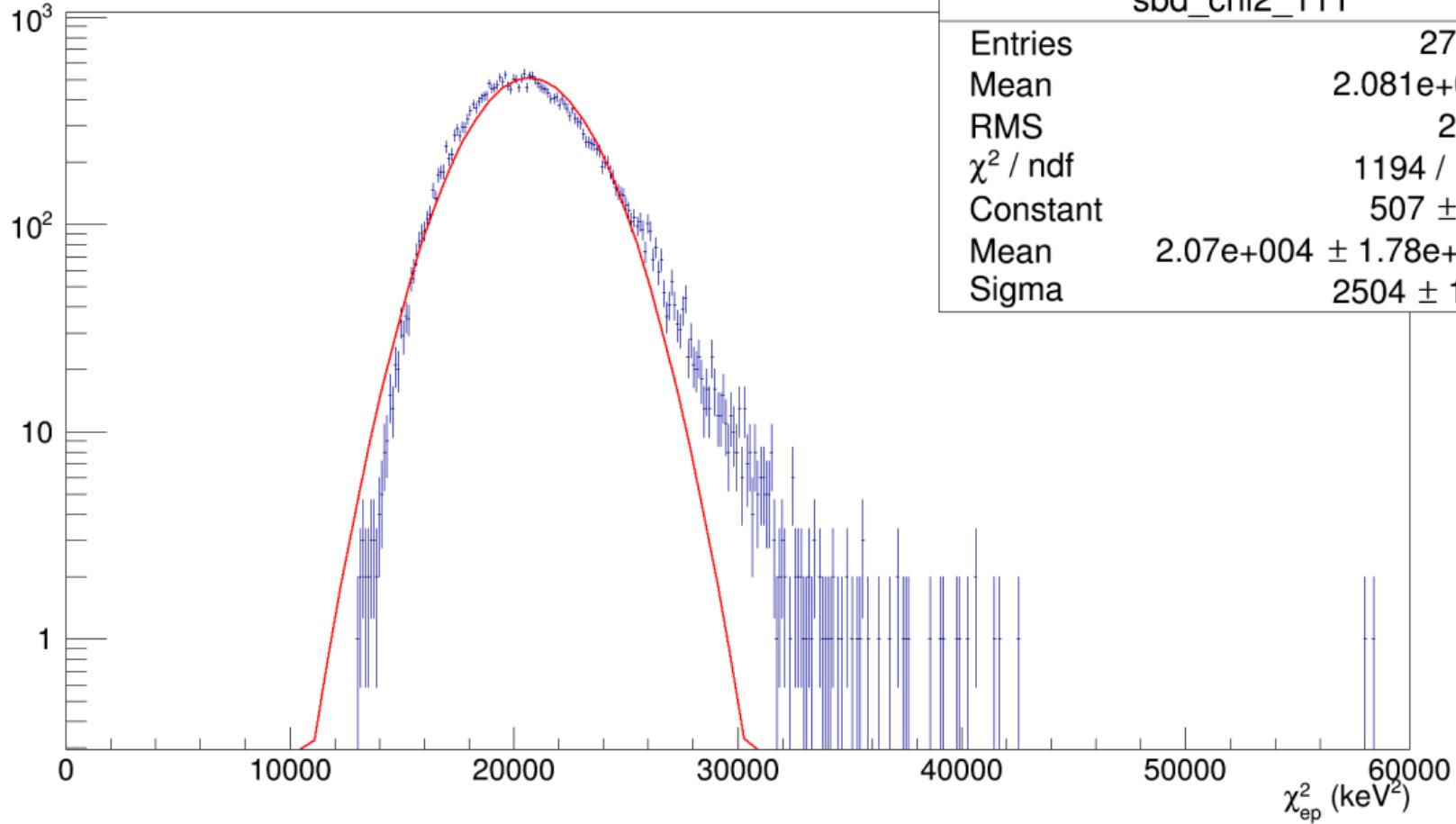
10³
10²
10

0 10000 20000 30000 40000 50000 60000
 χ^2_{ep} (keV²)

sbd_chi2_110	
Entries	28083
Mean	2.079e+004
RMS	2862
χ^2 / ndf	1219 / 196
Constant	511.9 ± 3.9
Mean	2.066e+004 ± 1.765e+001
Sigma	2507 ± 11.9

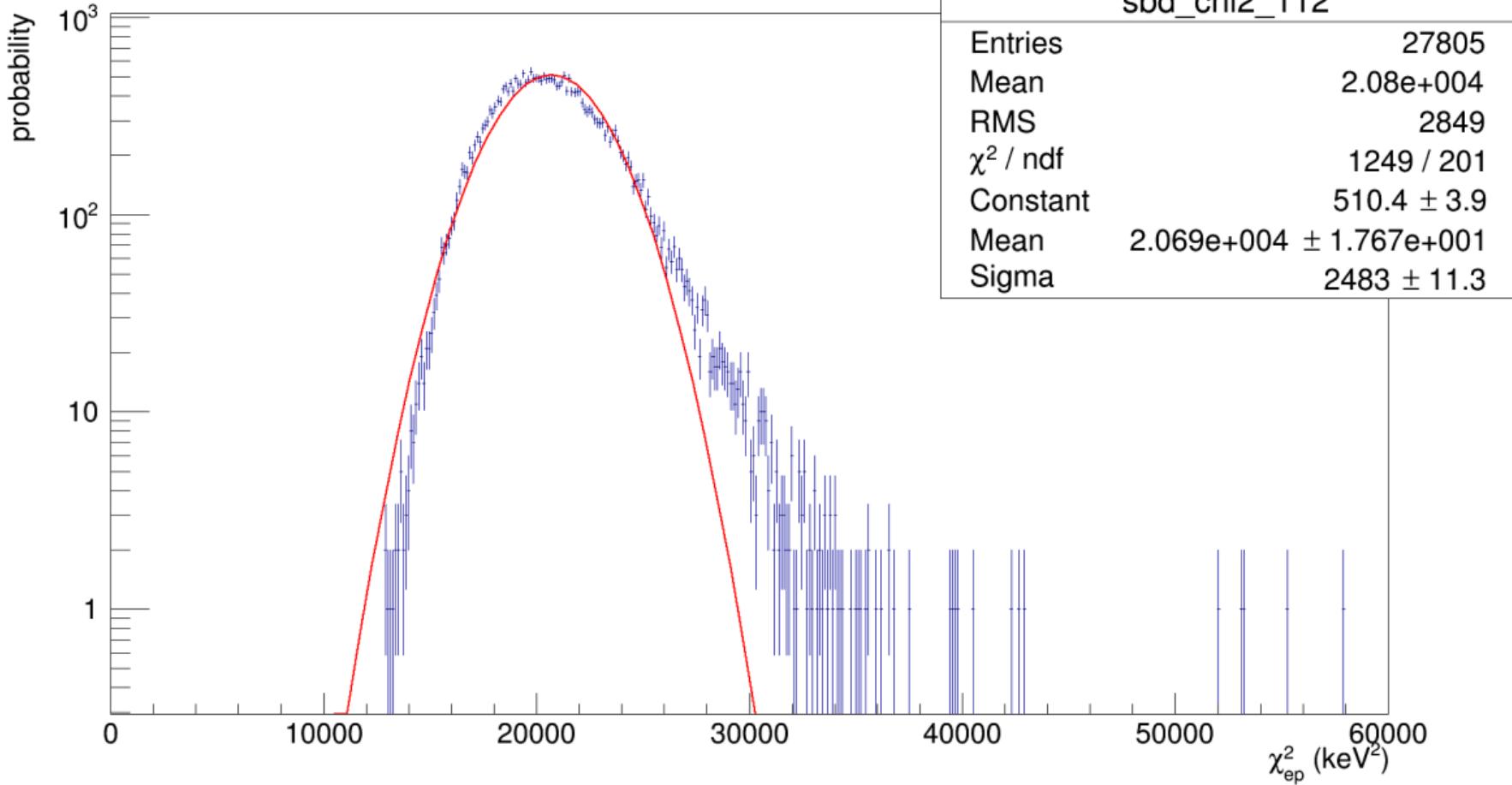
χ^2_{ep} from 111.00 keV to 112.00 keV

probability



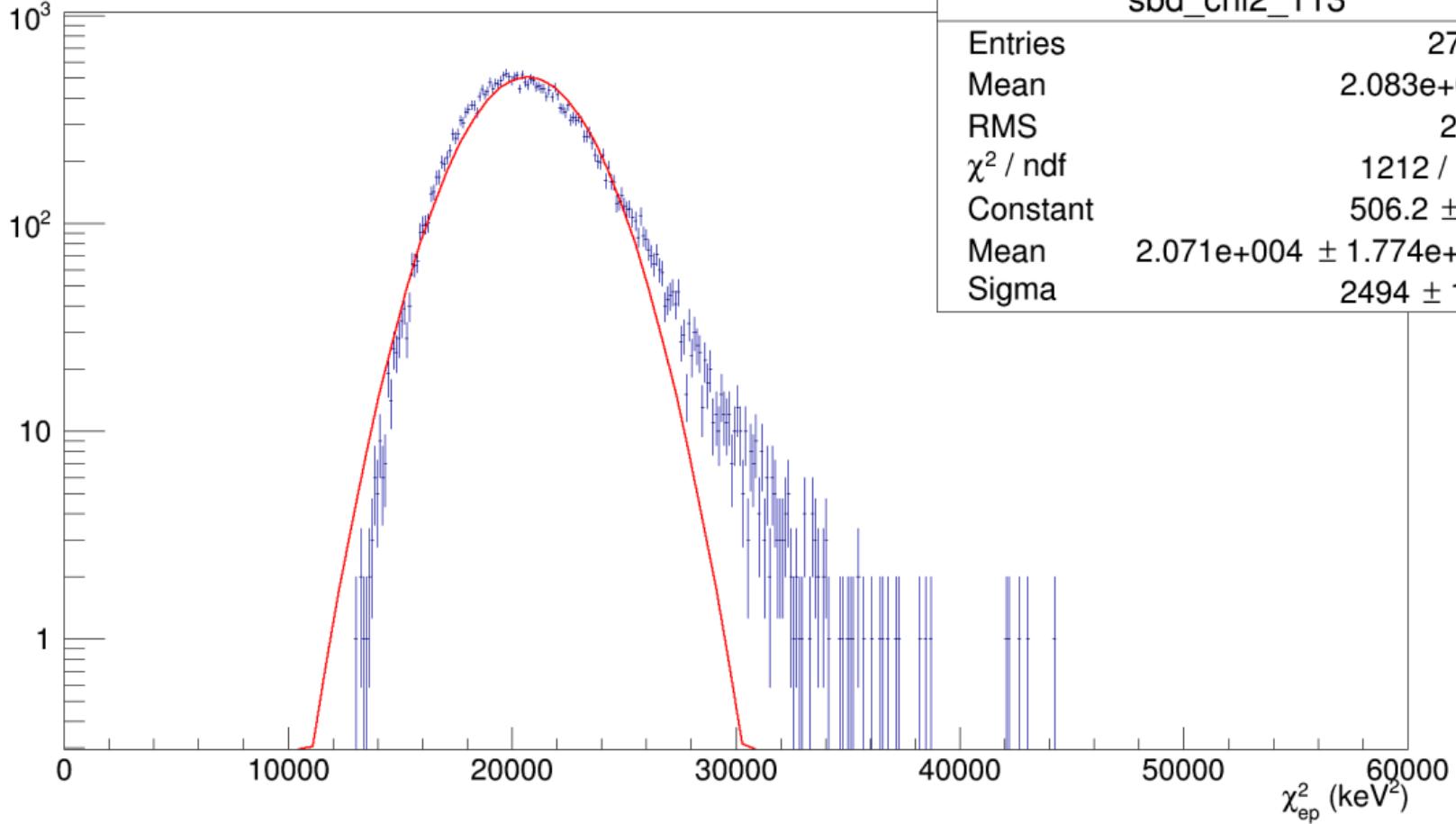
sbd_chi2_111	
Entries	27780
Mean	2.081e+004
RMS	2850
χ^2 / ndf	1194 / 199
Constant	507 ± 3.9
Mean	2.07e+004 ± 1.78e+001
Sigma	2504 ± 11.7

χ^2_{ep} from 112.00 keV to 113.00 keV



χ^2_{ep} from 113.00 keV to 114.00 keV

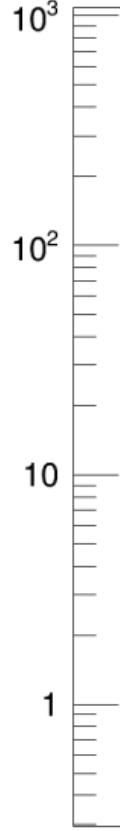
probability



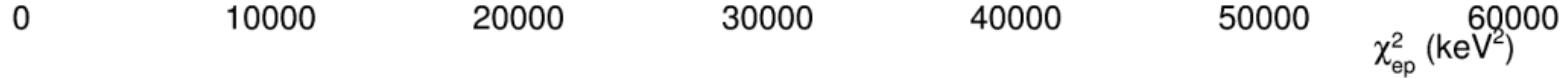
sbd_chi2_113	
Entries	27661
Mean	2.083e+004
RMS	2828
χ^2 / ndf	1212 / 192
Constant	506.2 ± 3.9
Mean	2.071e+004 ± 1.774e+001
Sigma	2494 ± 11.6

χ^2_{ep} from 114.00 keV to 115.00 keV

probability

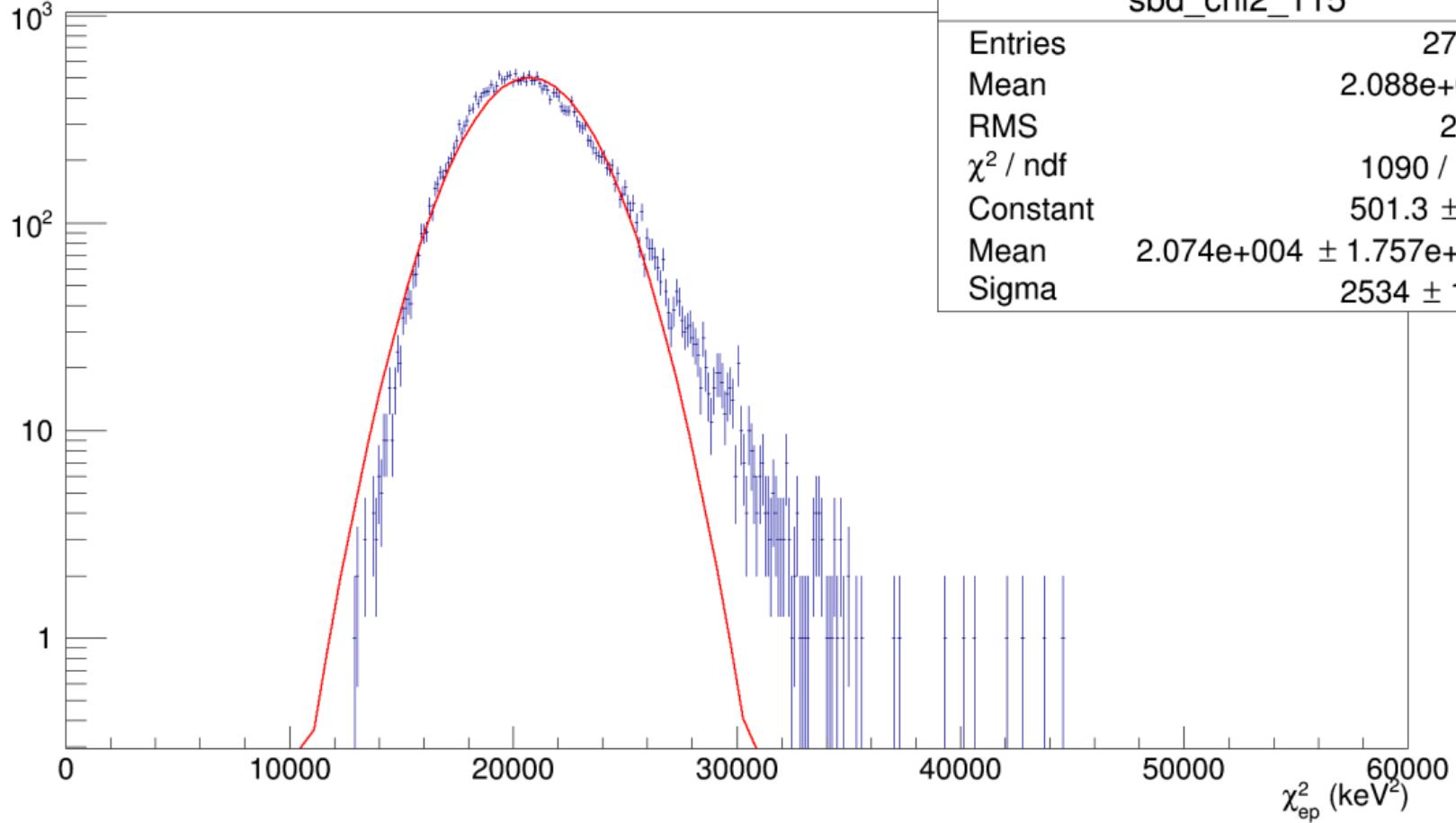


sbd_chi2_114	
Entries	27917
Mean	2.085e+004
RMS	2851
χ^2 / ndf	1259 / 193
Constant	510.3 ± 3.9
Mean	2.073e+004 ± 1.781e+001
Sigma	2495 ± 11.6



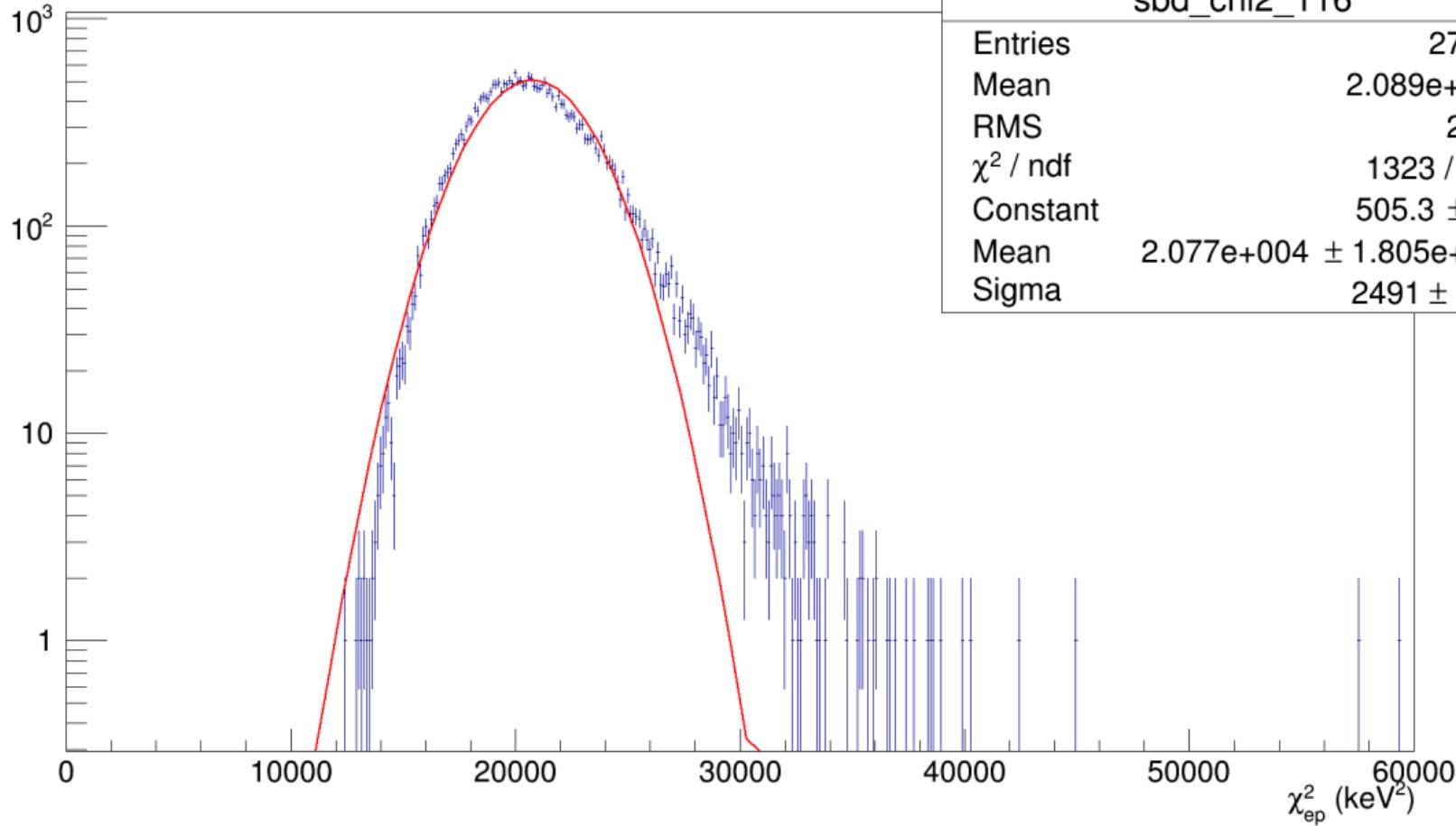
χ^2_{ep} from 115.00 keV to 116.00 keV

probability



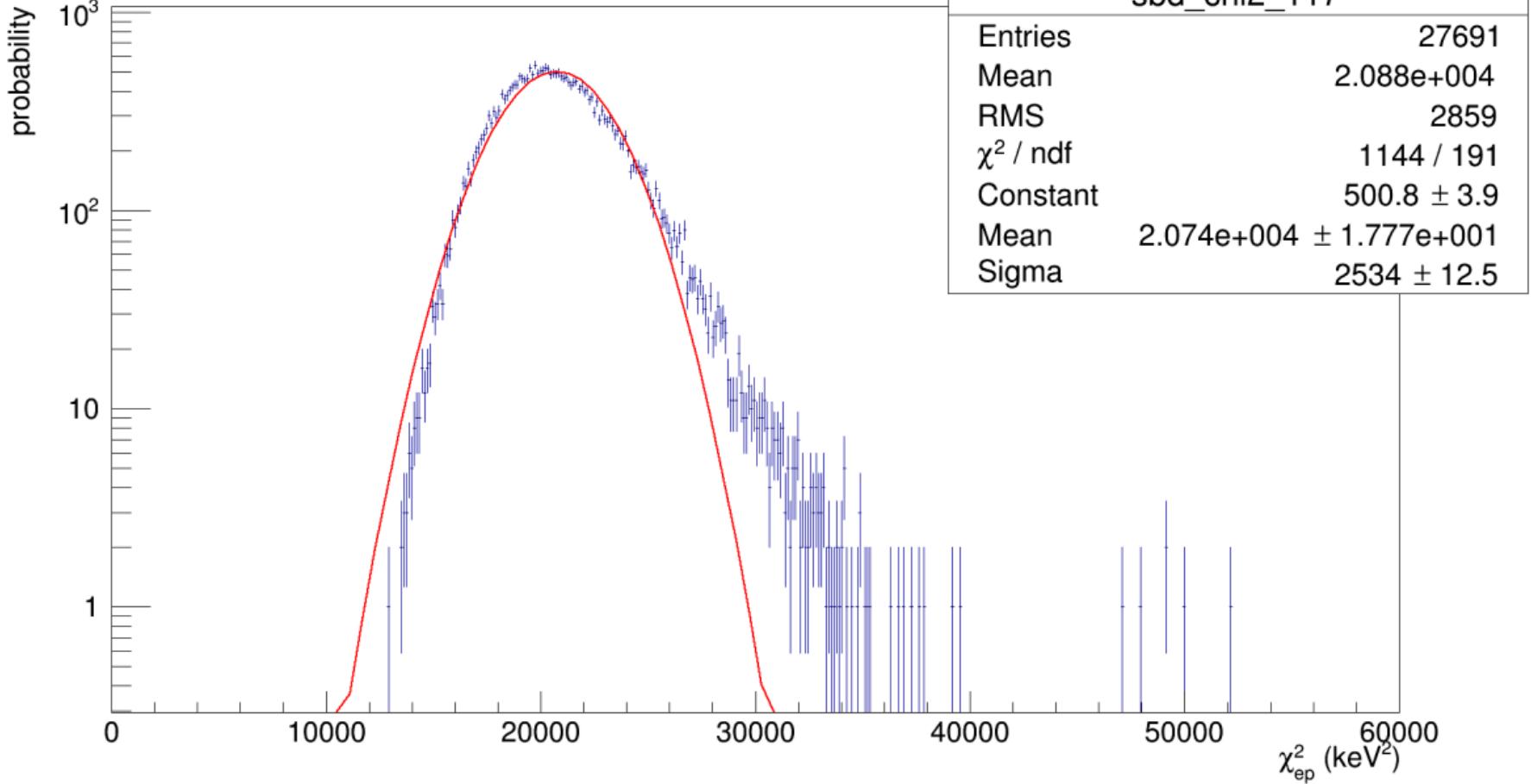
χ^2_{ep} from 116.00 keV to 117.00 keV

probability

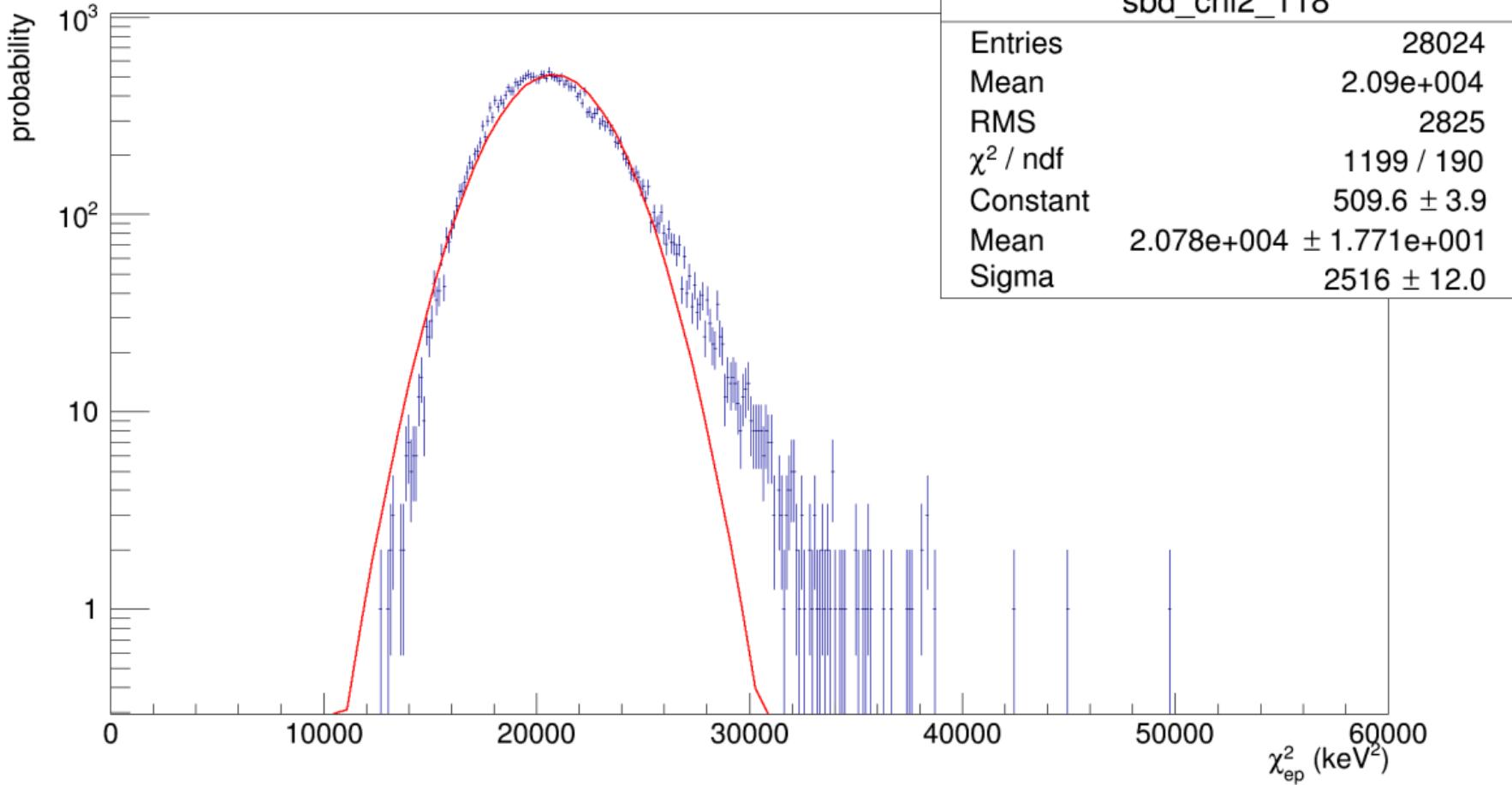


sbd_chi2_116	
Entries	27693
Mean	2.089e+004
RMS	2855
χ^2 / ndf	1323 / 196
Constant	505.3 ± 3.9
Mean	2.077e+004 ± 1.805e+001
Sigma	2491 ± 11.6

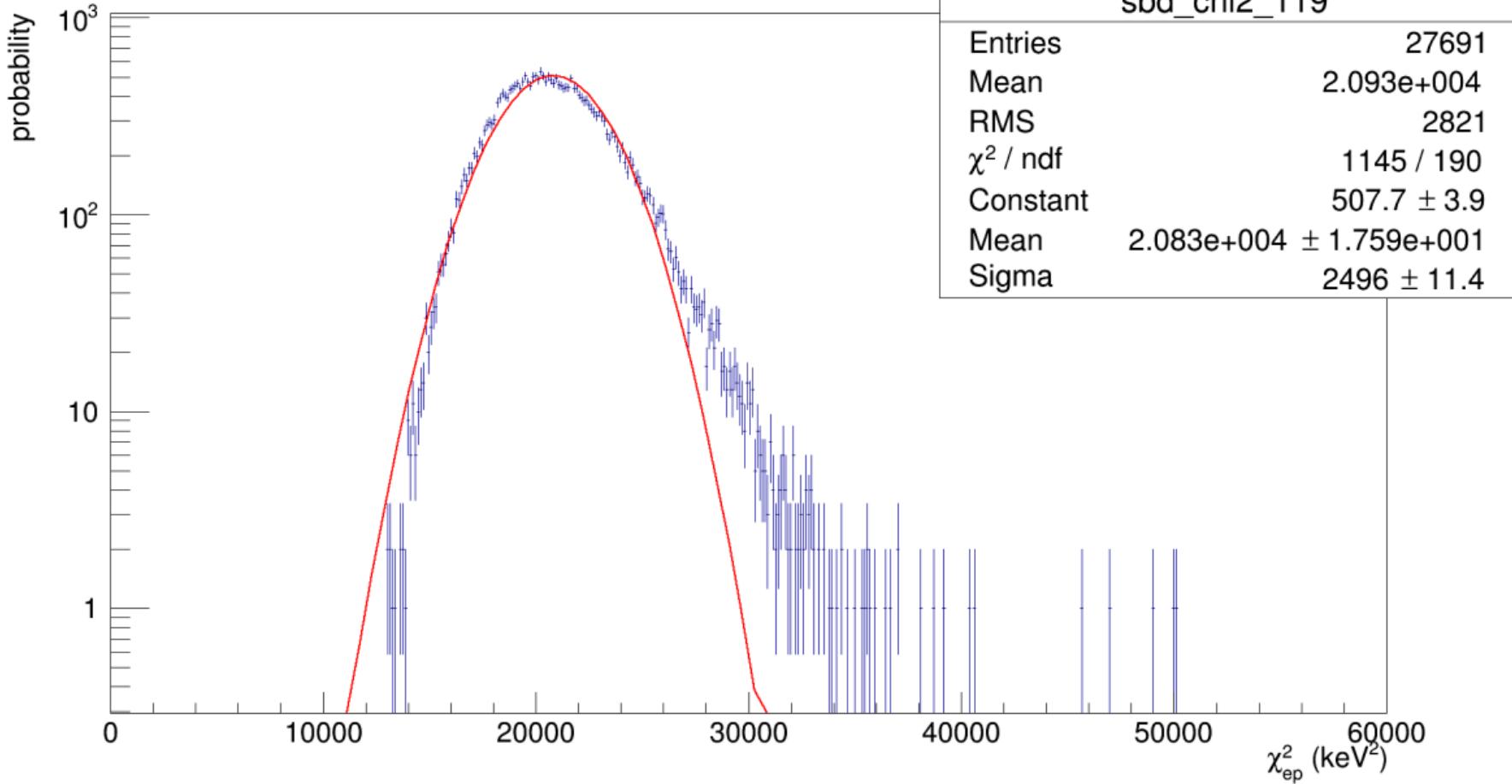
χ^2_{ep} from 117.00 keV to 118.00 keV



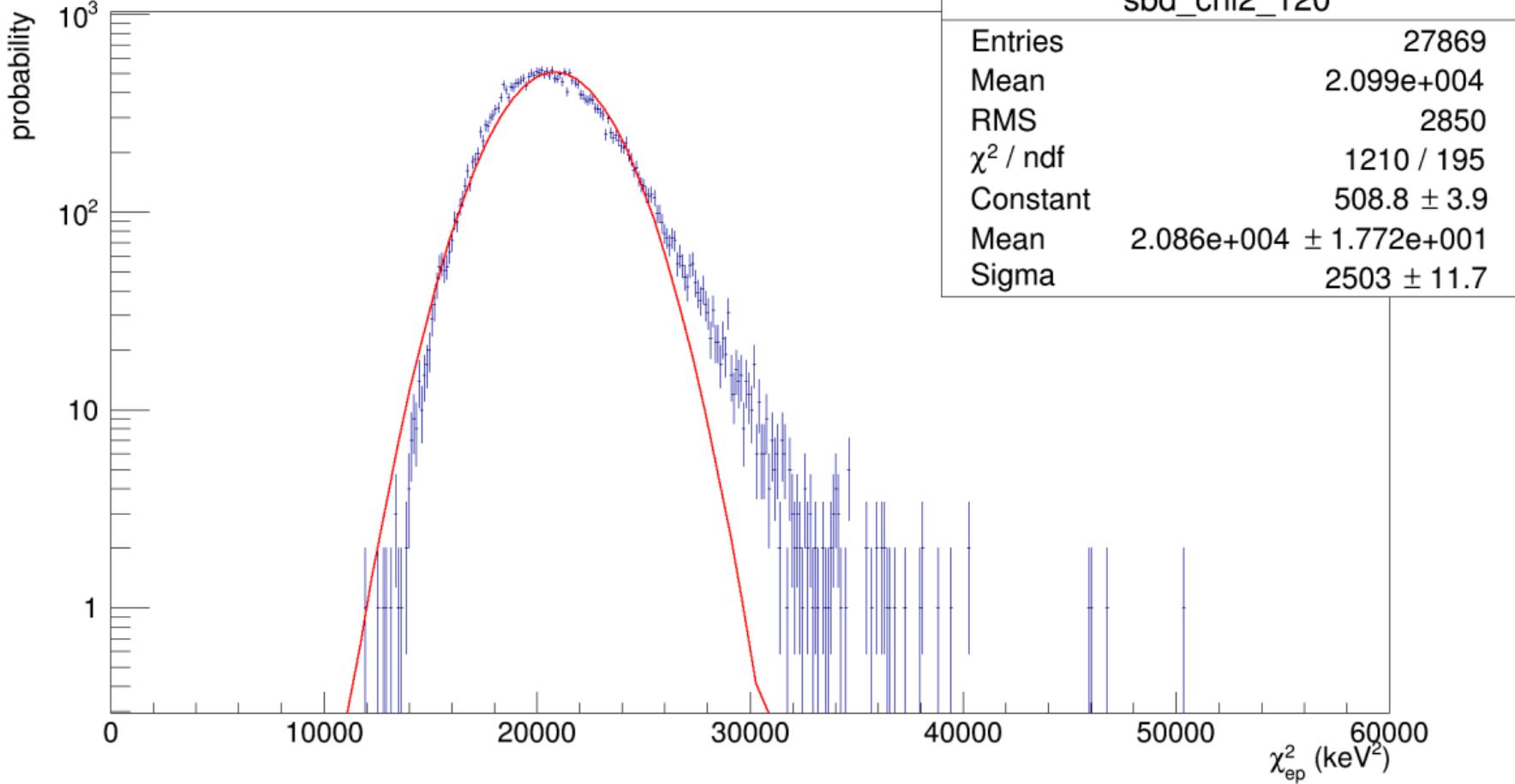
χ^2_{ep} from 118.00 keV to 119.00 keV



χ^2_{ep} from 119.00 keV to 120.00 keV

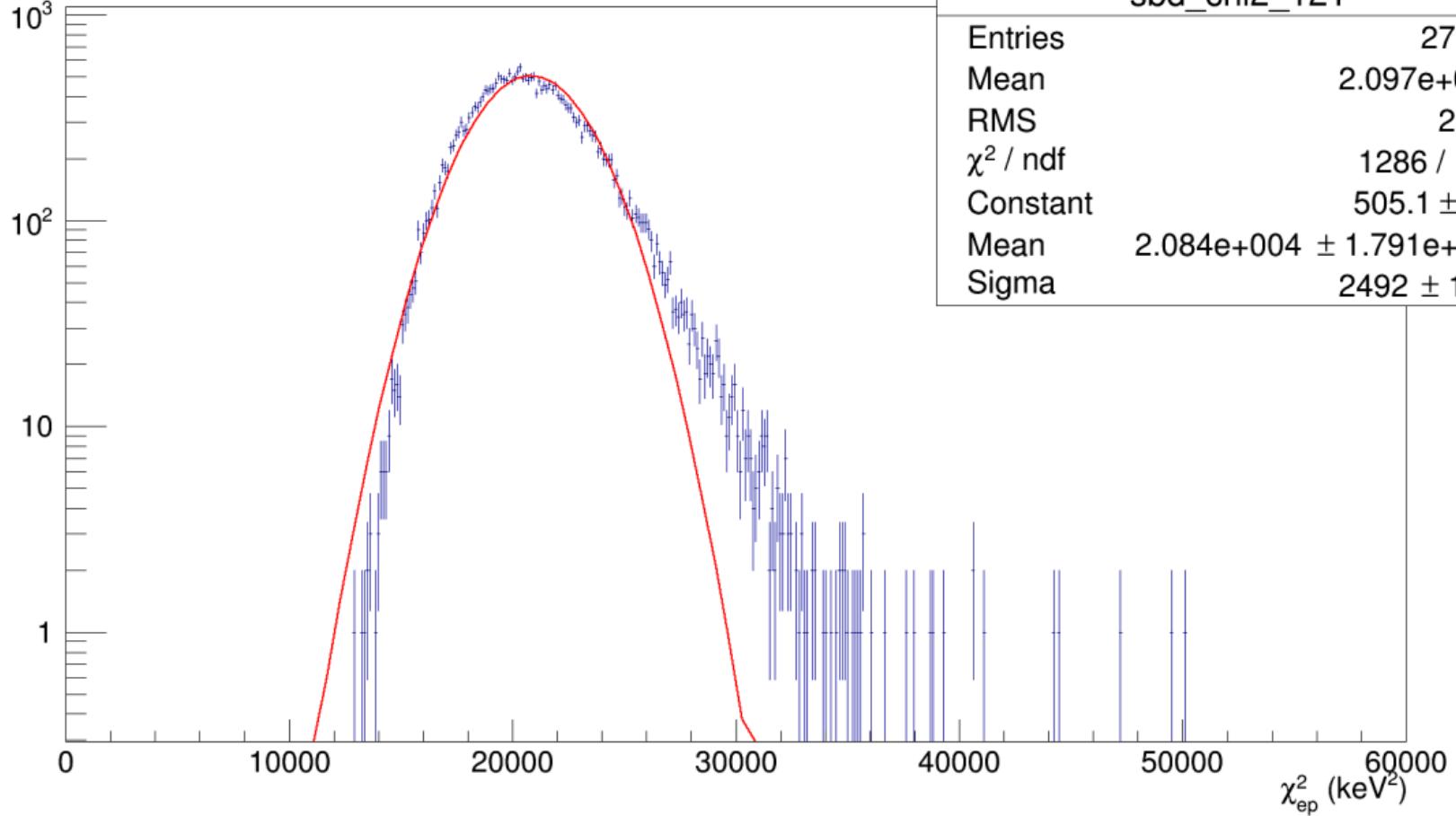


χ^2_{ep} from 120.00 keV to 121.00 keV



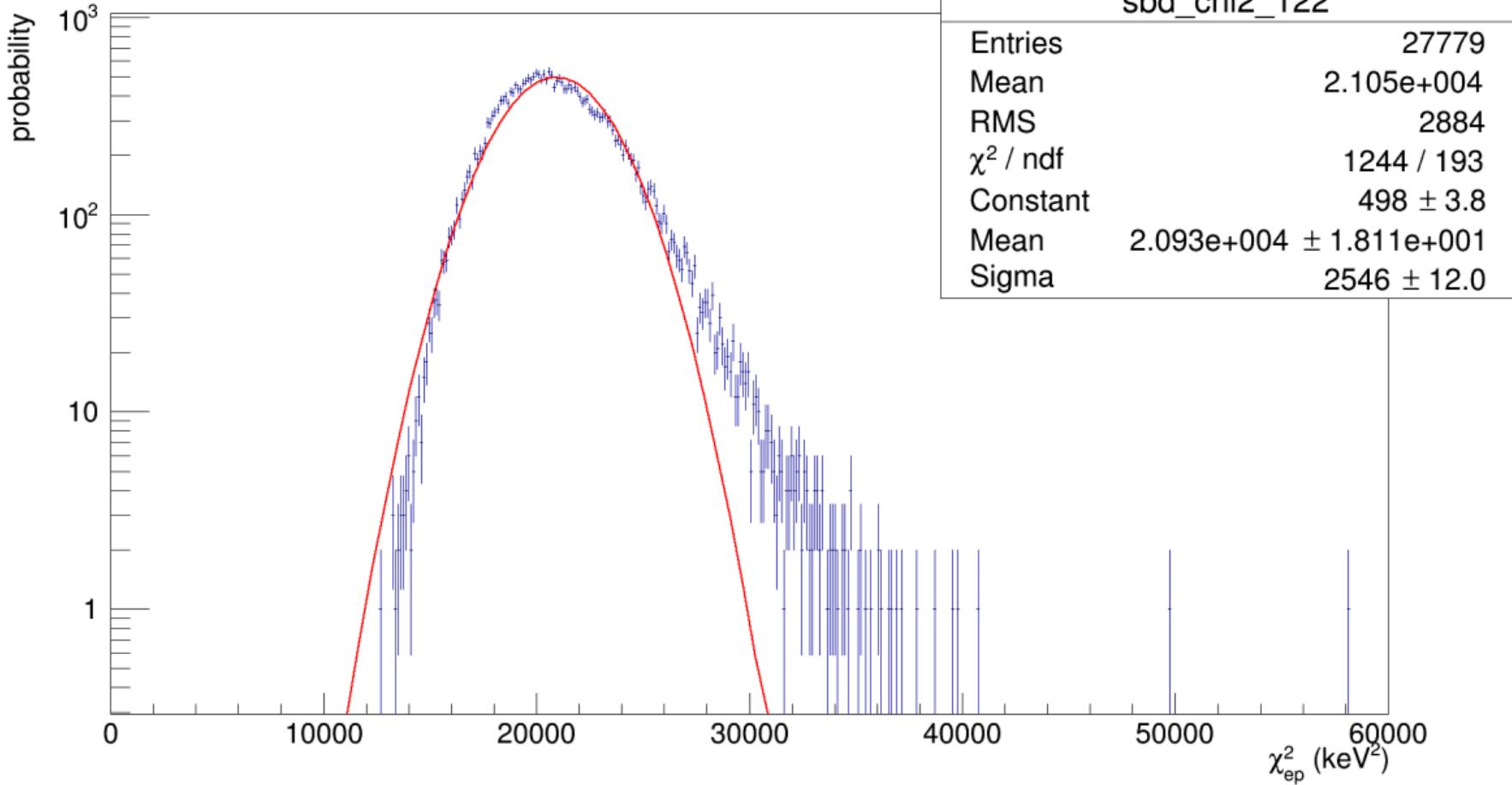
χ^2_{ep} from 121.00 keV to 122.00 keV

probability



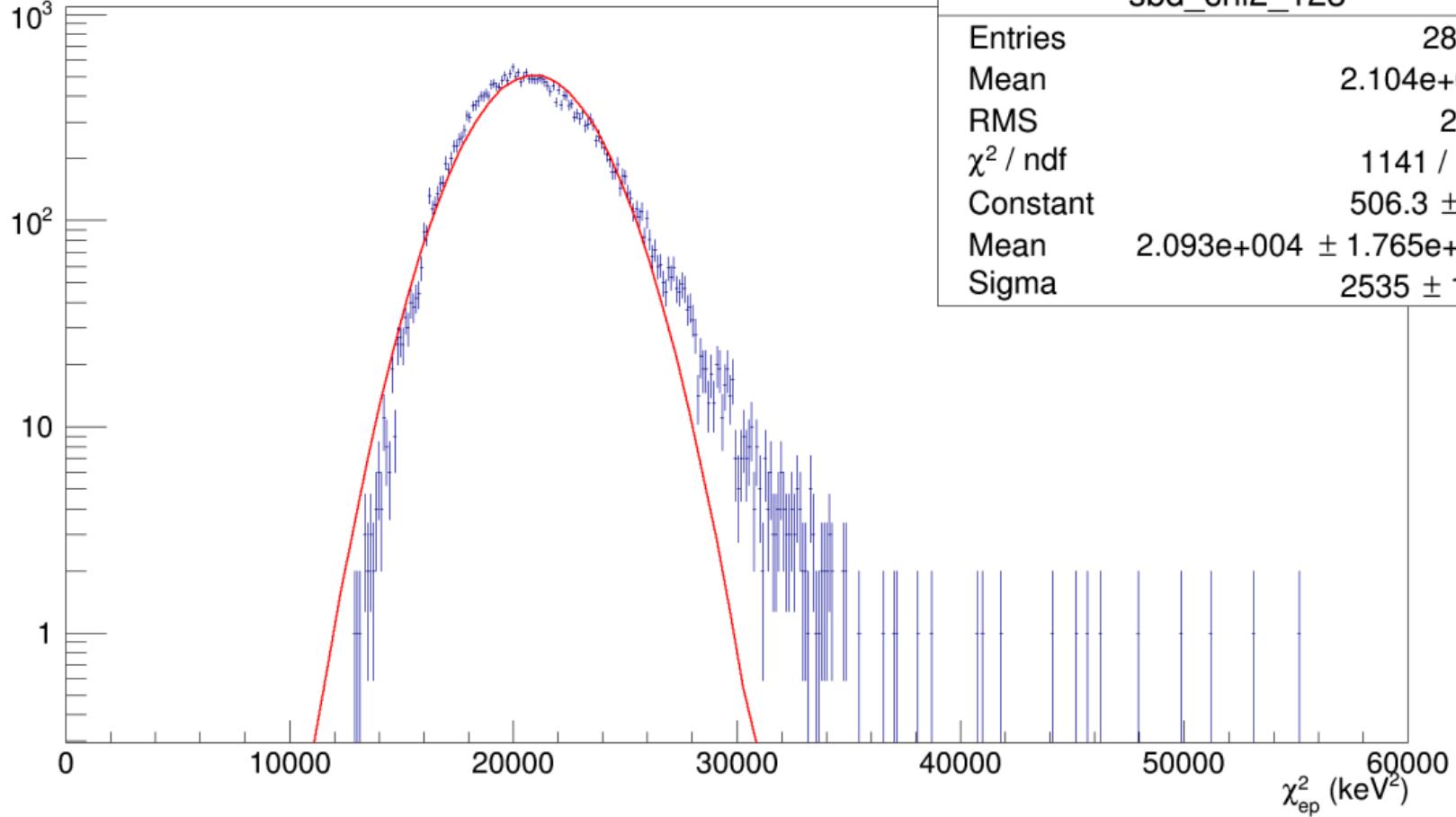
sbd_chi2_121	
Entries	27622
Mean	2.097e+004
RMS	2854
χ^2 / ndf	1286 / 192
Constant	505.1 ± 3.9
Mean	2.084e+004 ± 1.791e+001
Sigma	2492 ± 11.7

χ^2_{ep} from 122.00 keV to 123.00 keV



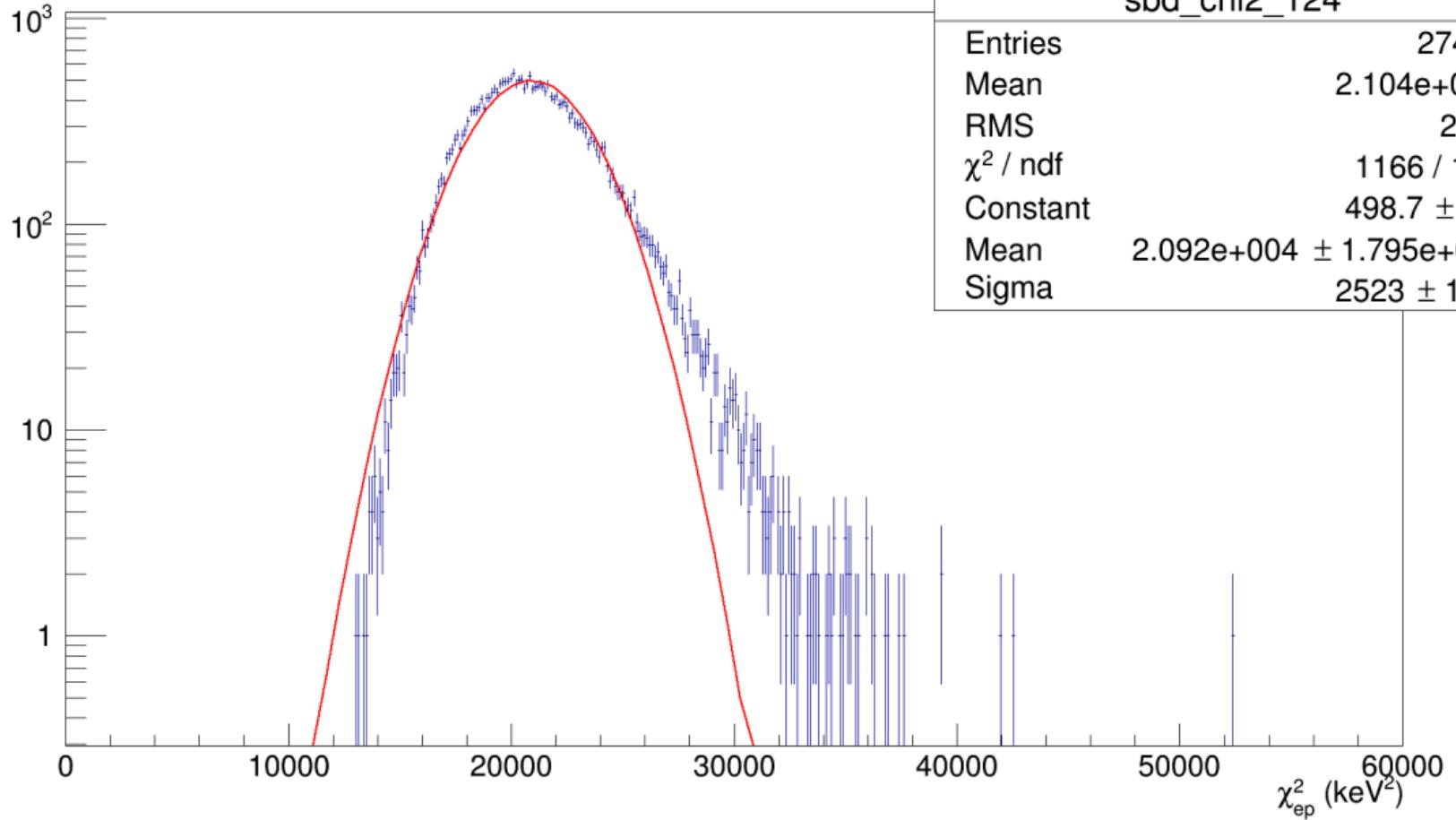
χ^2_{ep} from 123.00 keV to 124.00 keV

probability



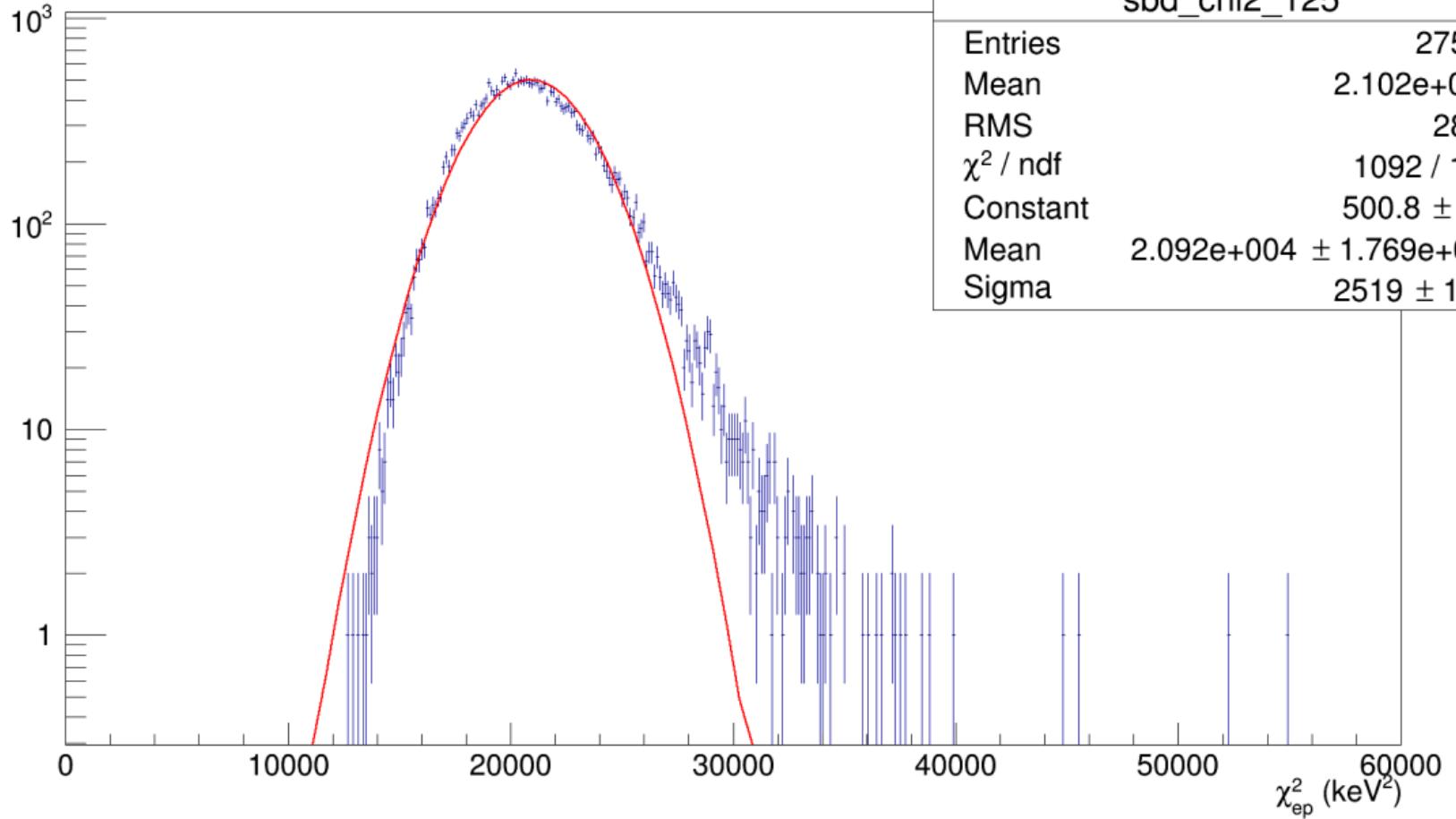
χ^2_{ep} from 124.00 keV to 125.00 keV

probability

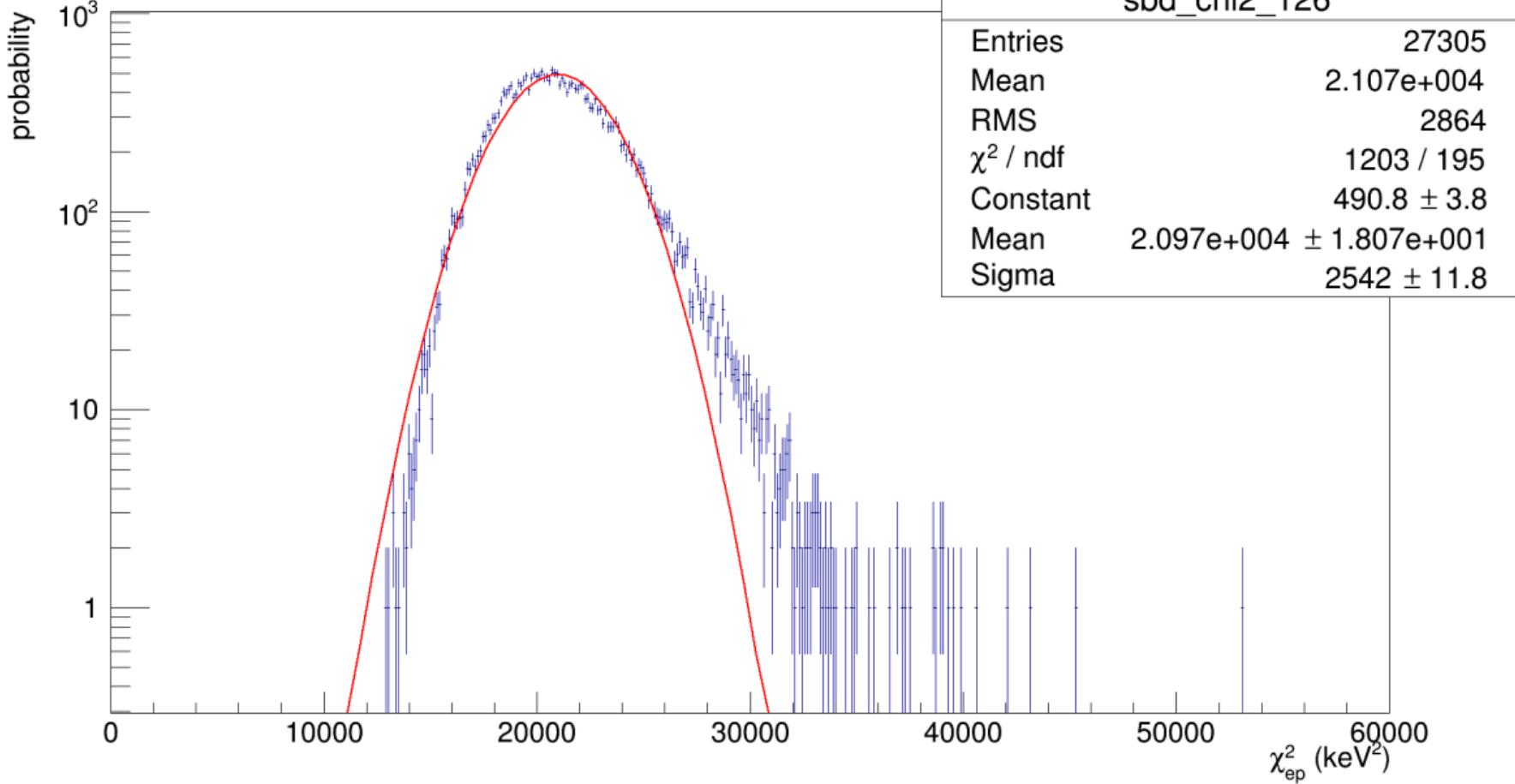


χ^2_{ep} from 125.00 keV to 126.00 keV

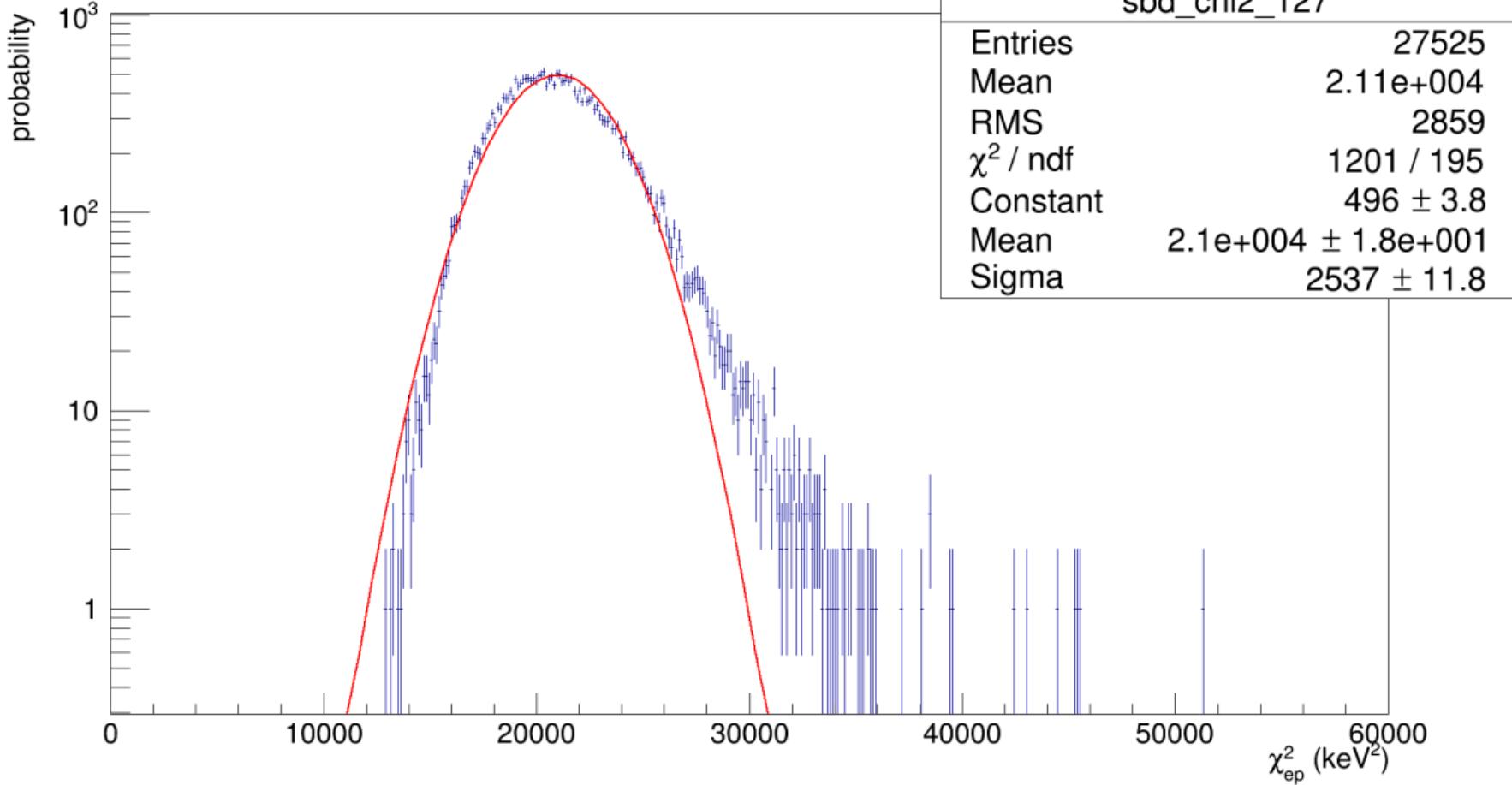
probability



χ^2_{ep} from 126.00 keV to 127.00 keV

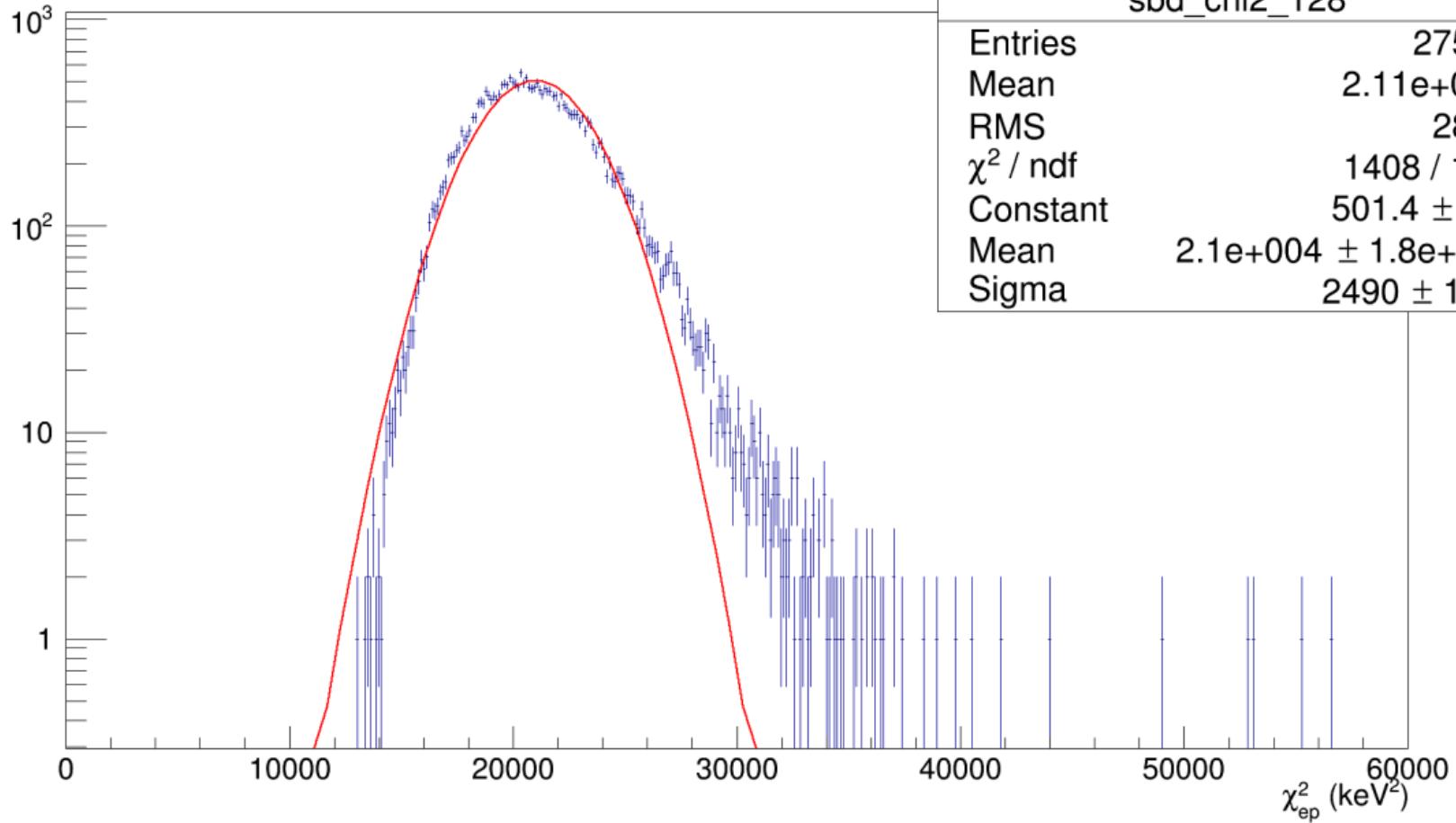


χ^2_{ep} from 127.00 keV to 128.00 keV



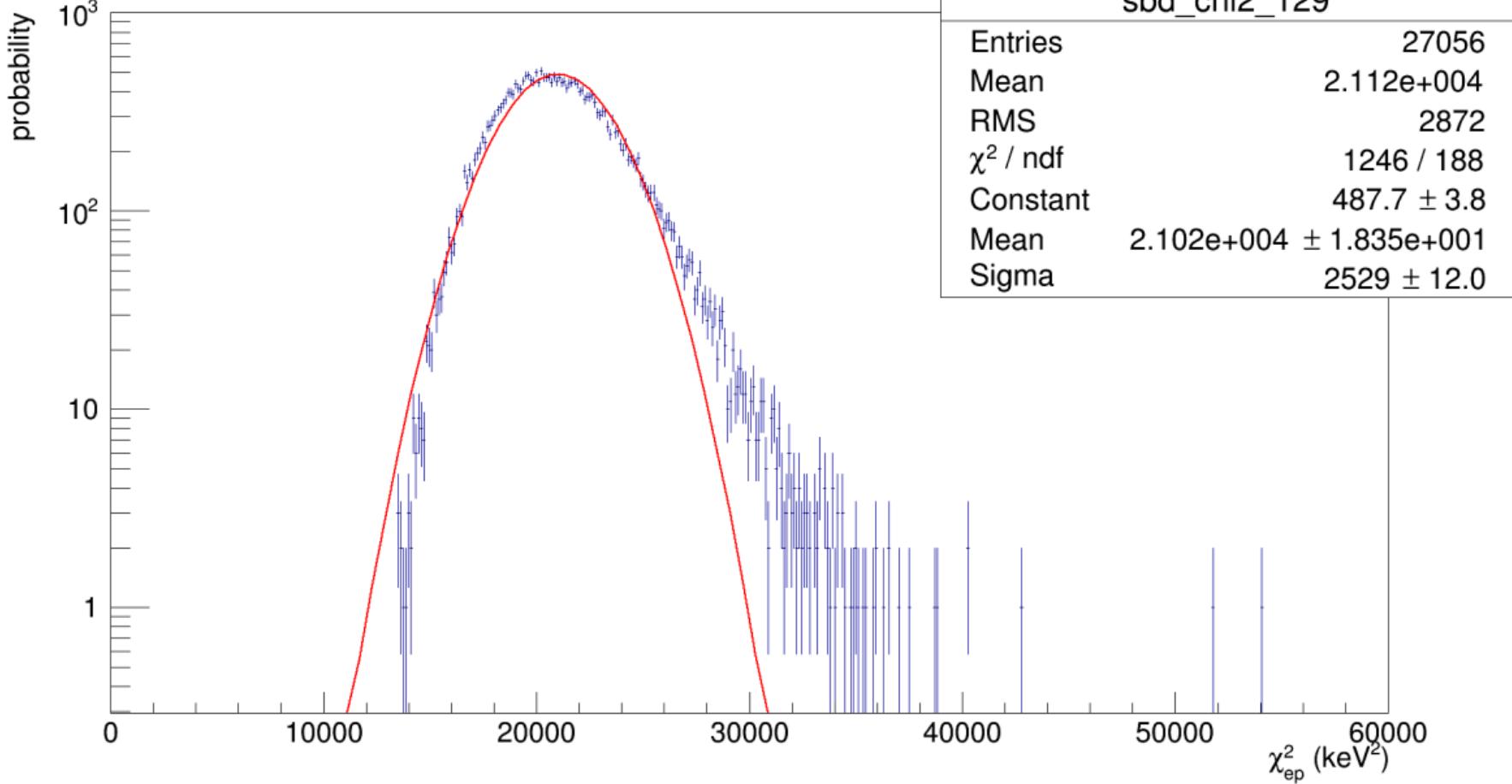
χ^2_{ep} from 128.00 keV to 129.00 keV

probability

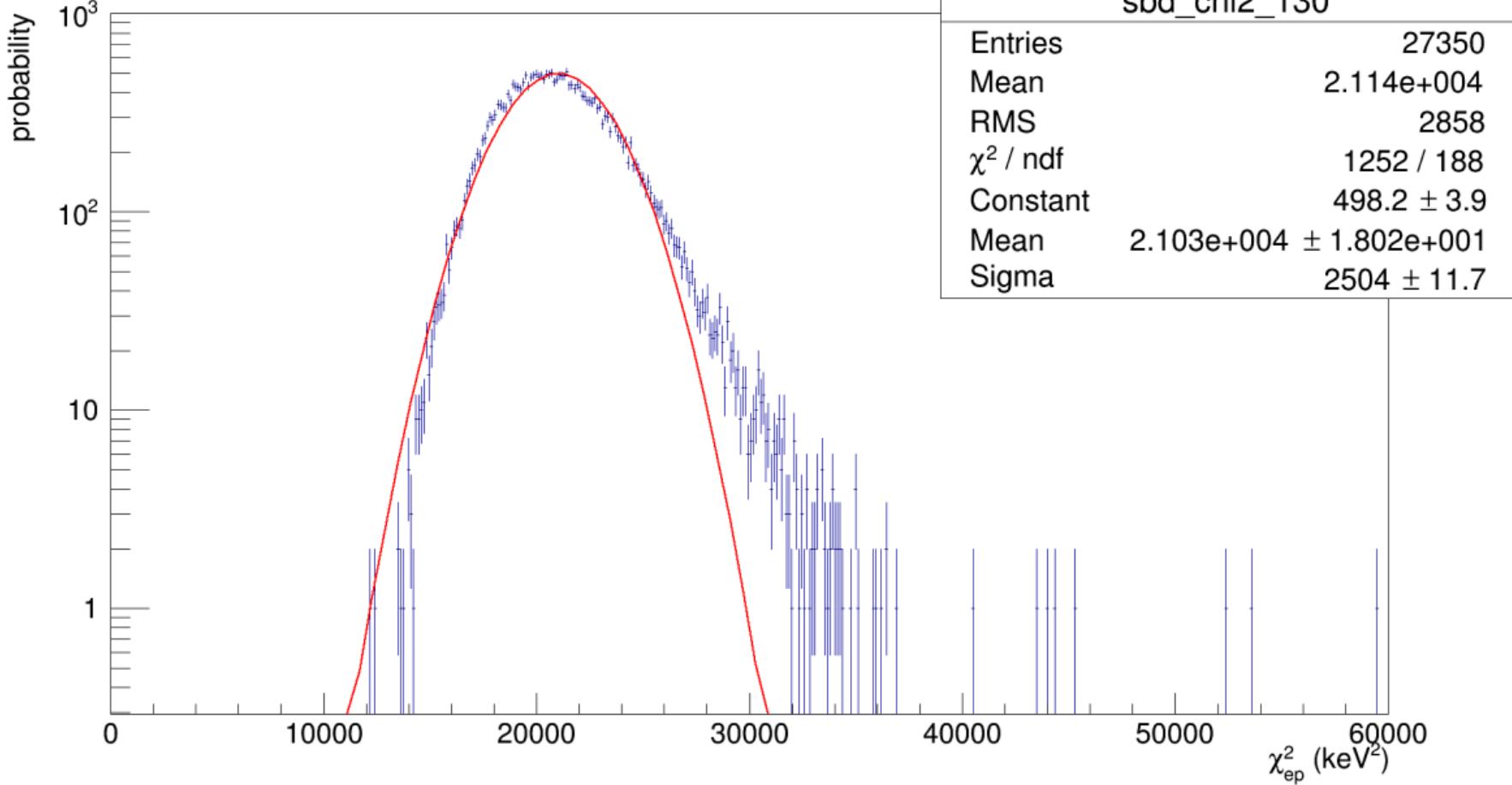


sbd_chi2_128	
Entries	27546
Mean	2.11×10^4
RMS	2876
χ^2 / ndf	1408 / 196
Constant	501.4 ± 3.9
Mean	$2.1 \times 10^4 \pm 1.8 \times 10^3$
Sigma	2490 ± 11.5

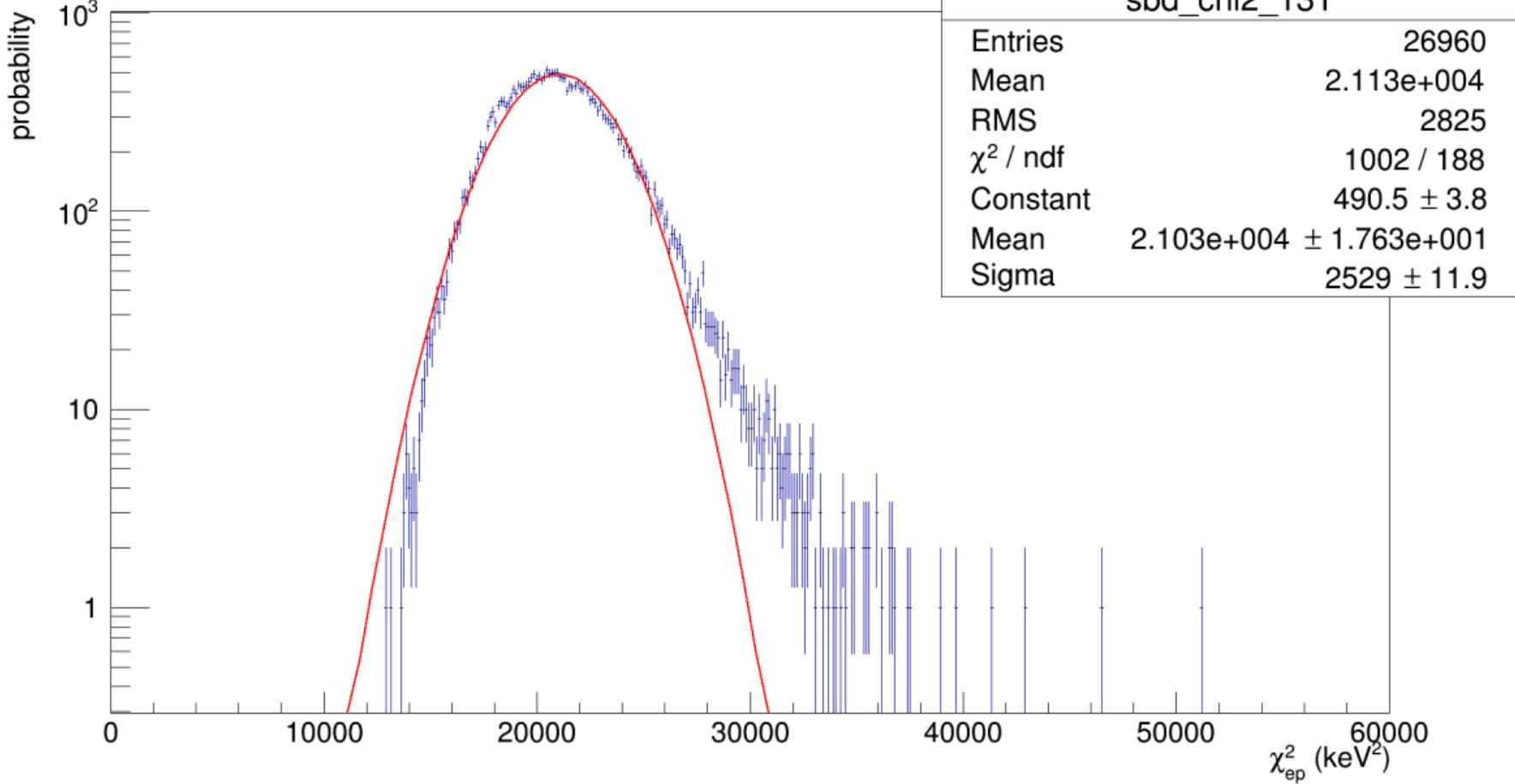
χ^2_{ep} from 129.00 keV to 130.00 keV



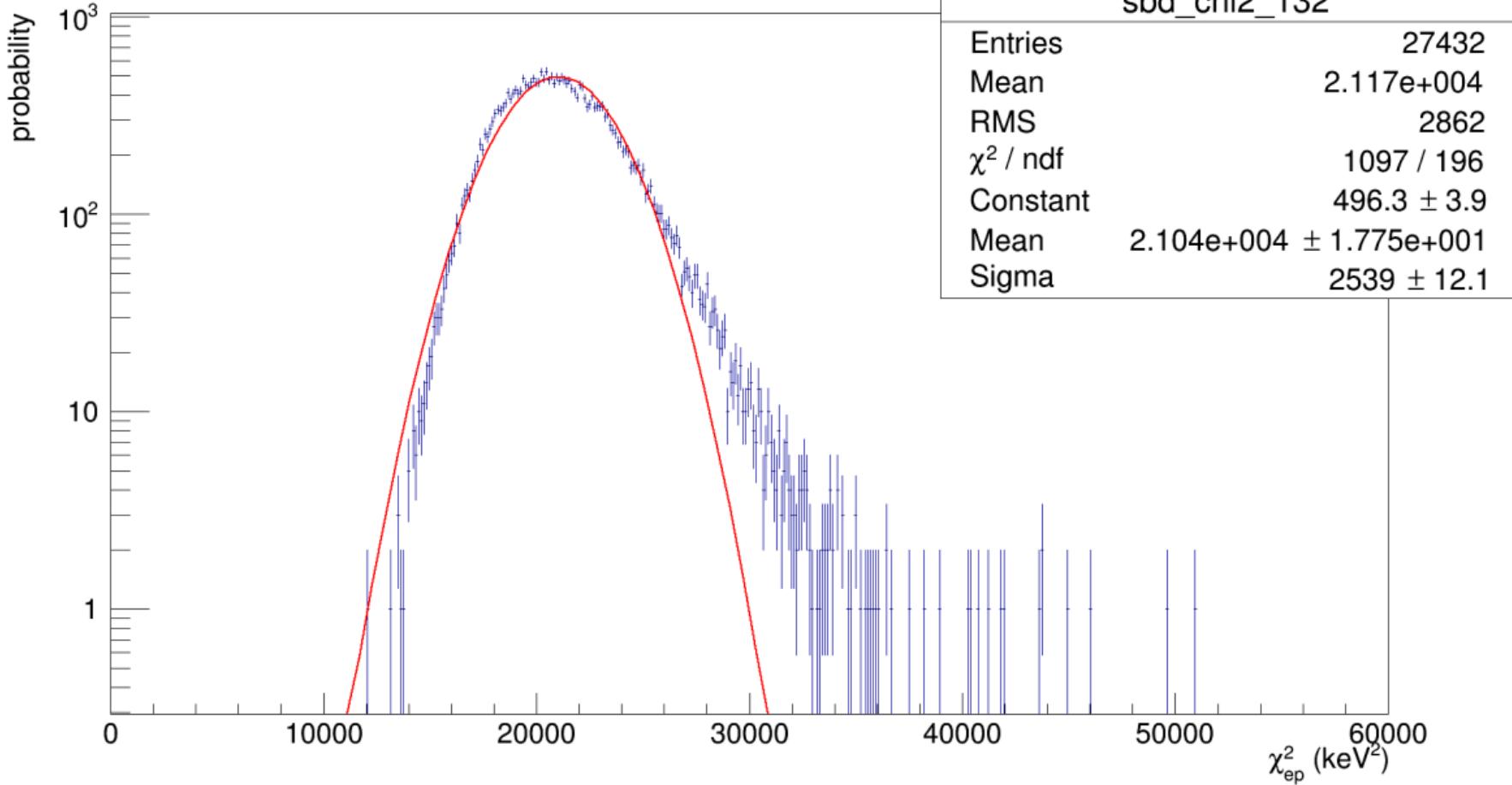
χ^2_{ep} from 130.00 keV to 131.00 keV



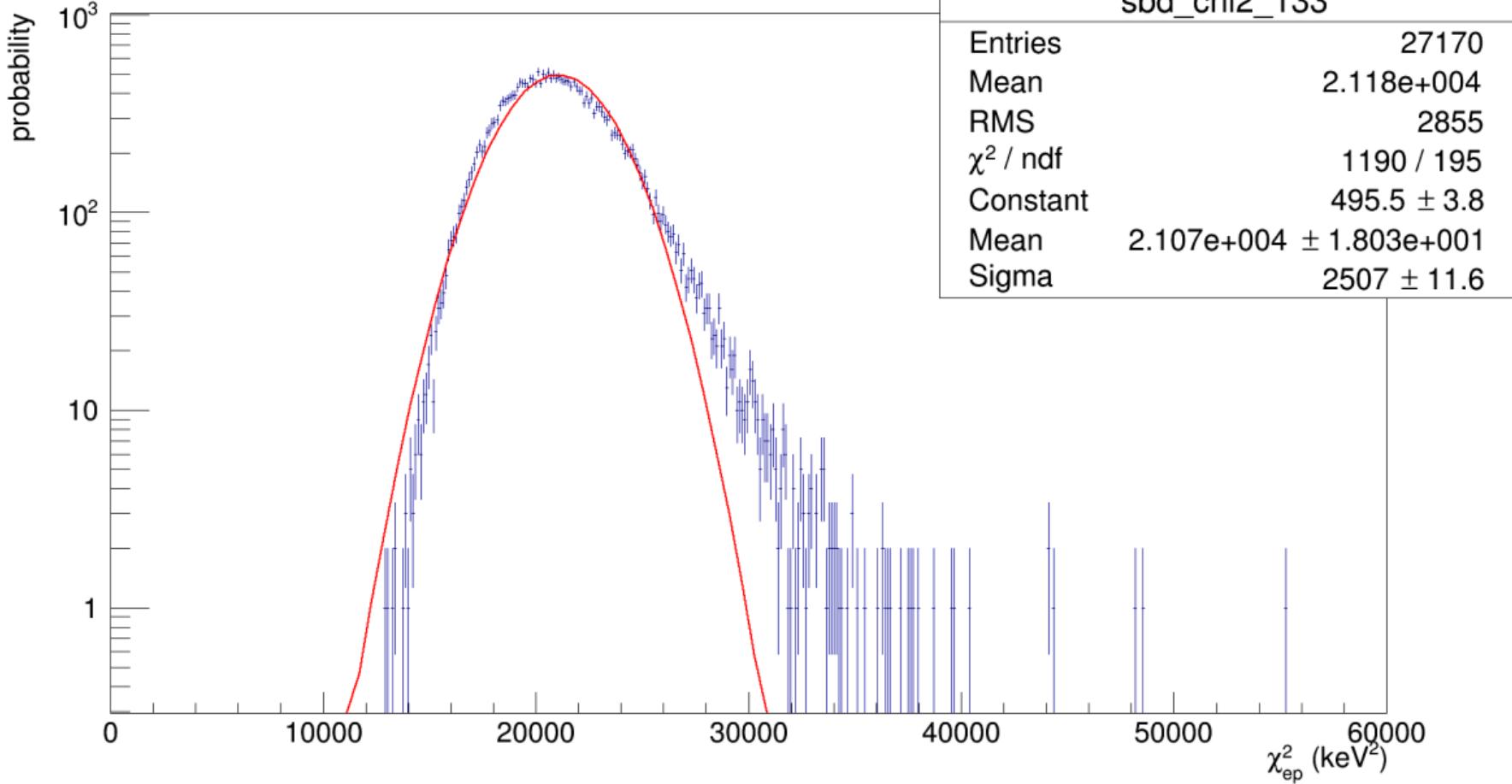
χ^2_{ep} from 131.00 keV to 132.00 keV



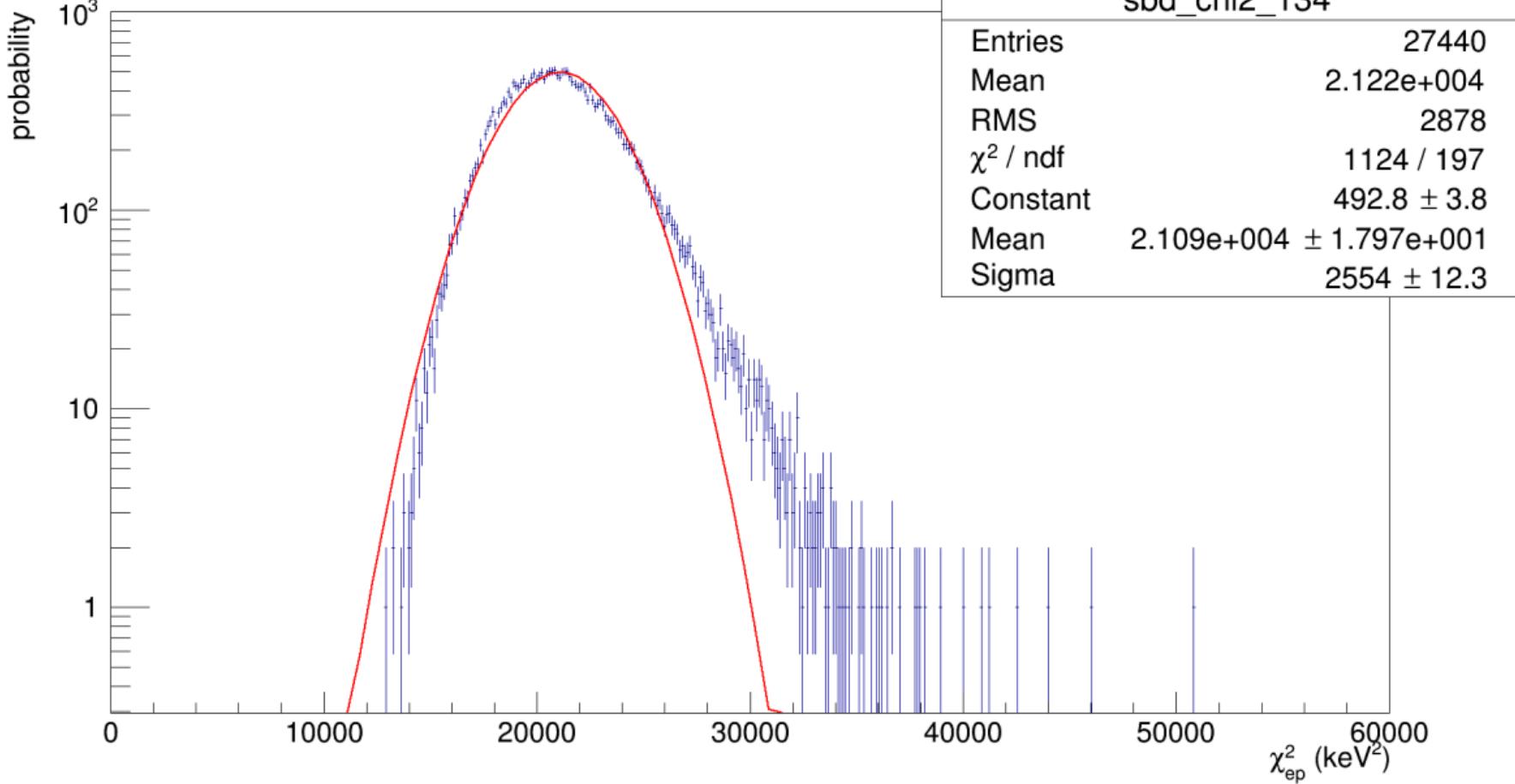
χ^2_{ep} from 132.00 keV to 133.00 keV



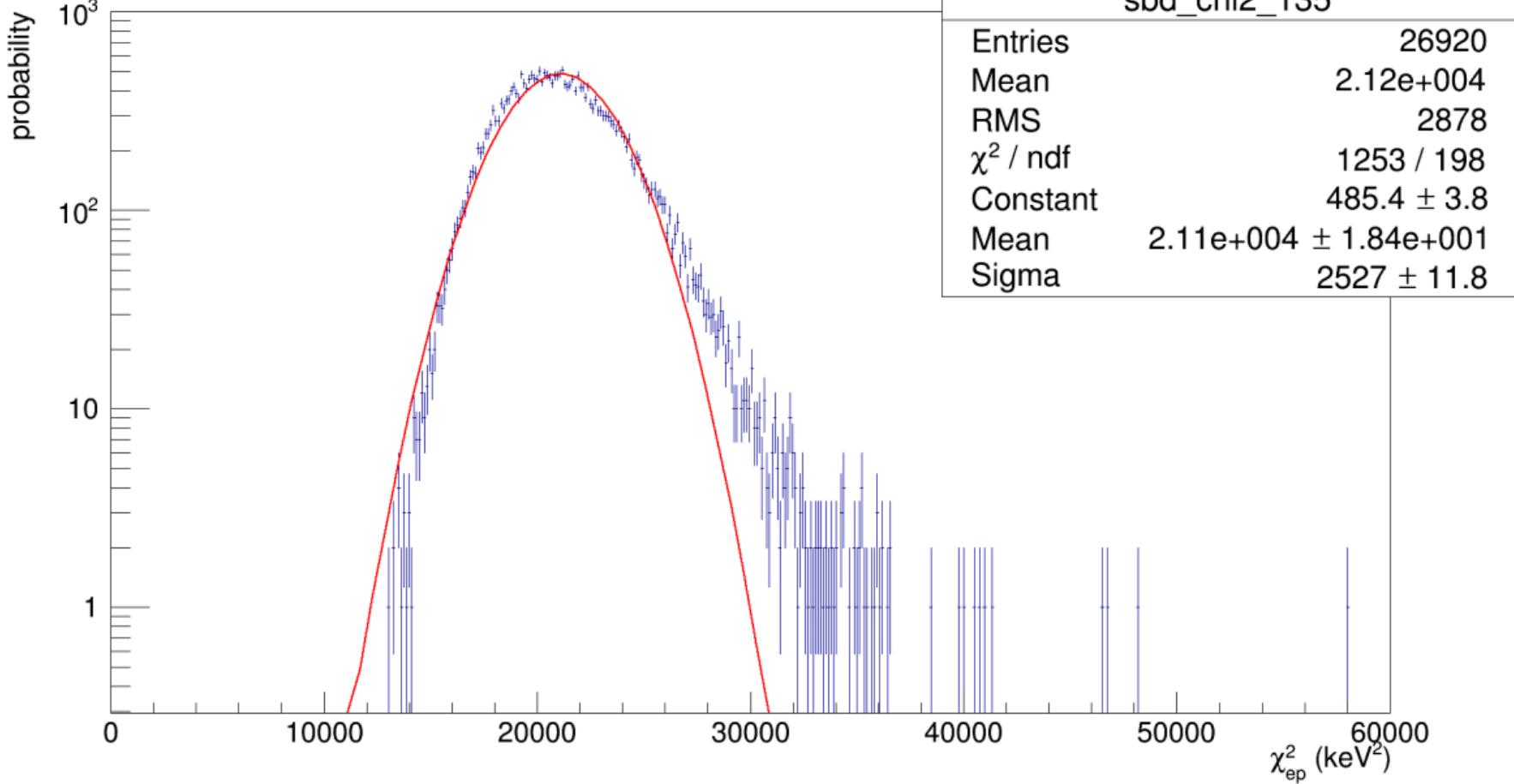
χ^2_{ep} from 133.00 keV to 134.00 keV



χ^2_{ep} from 134.00 keV to 135.00 keV

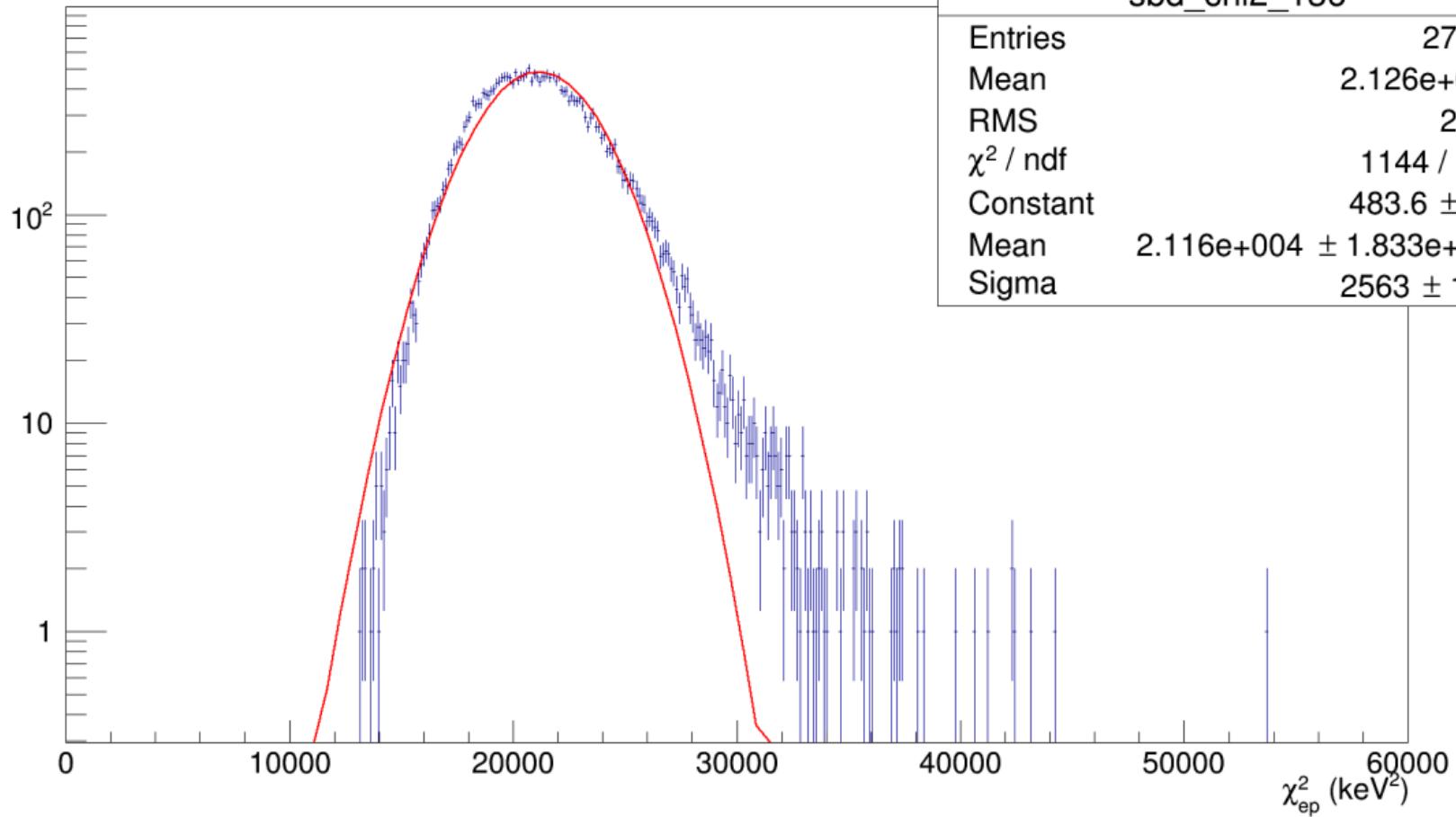


χ^2_{ep} from 135.00 keV to 136.00 keV



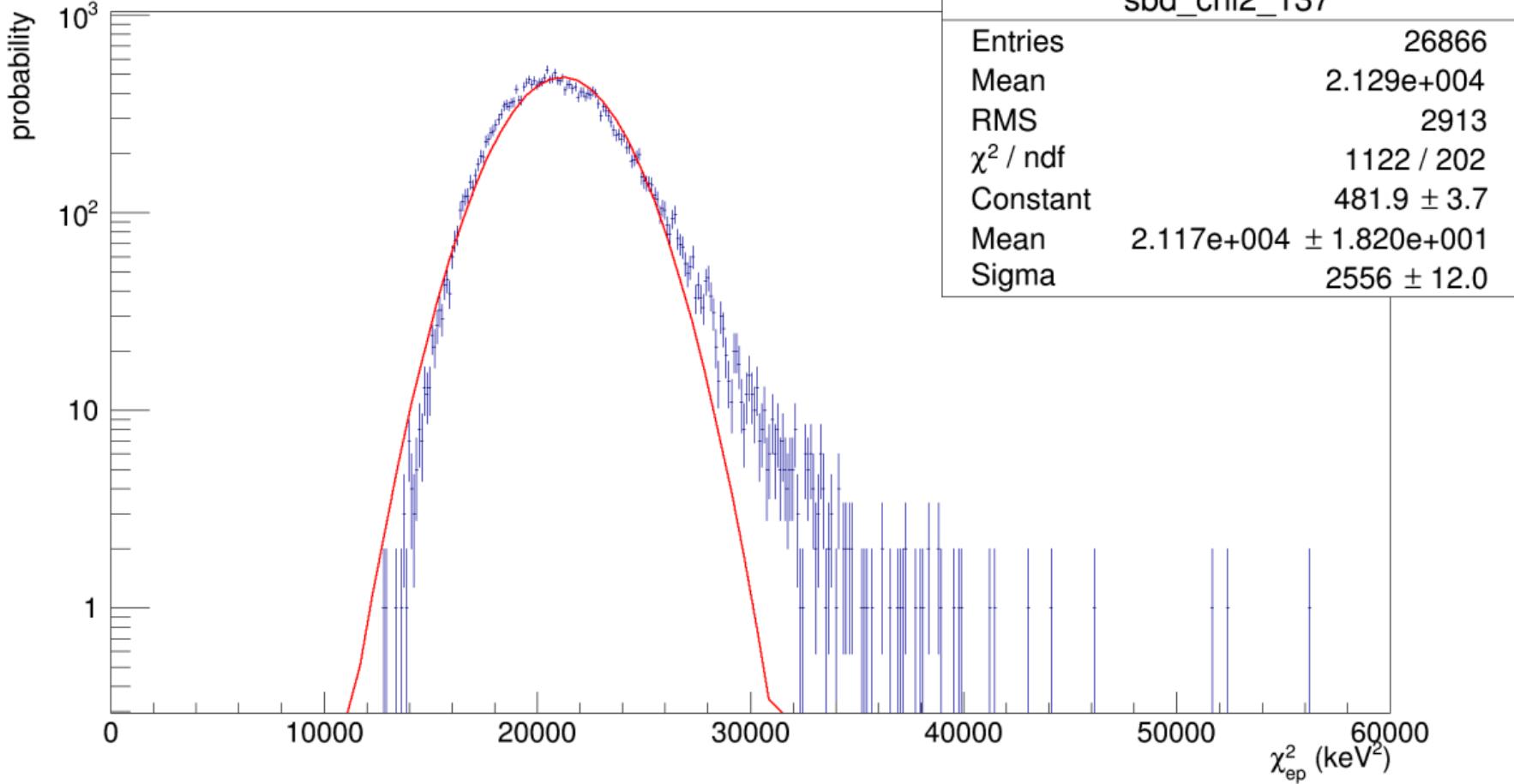
χ^2_{ep} from 136.00 keV to 137.00 keV

probability



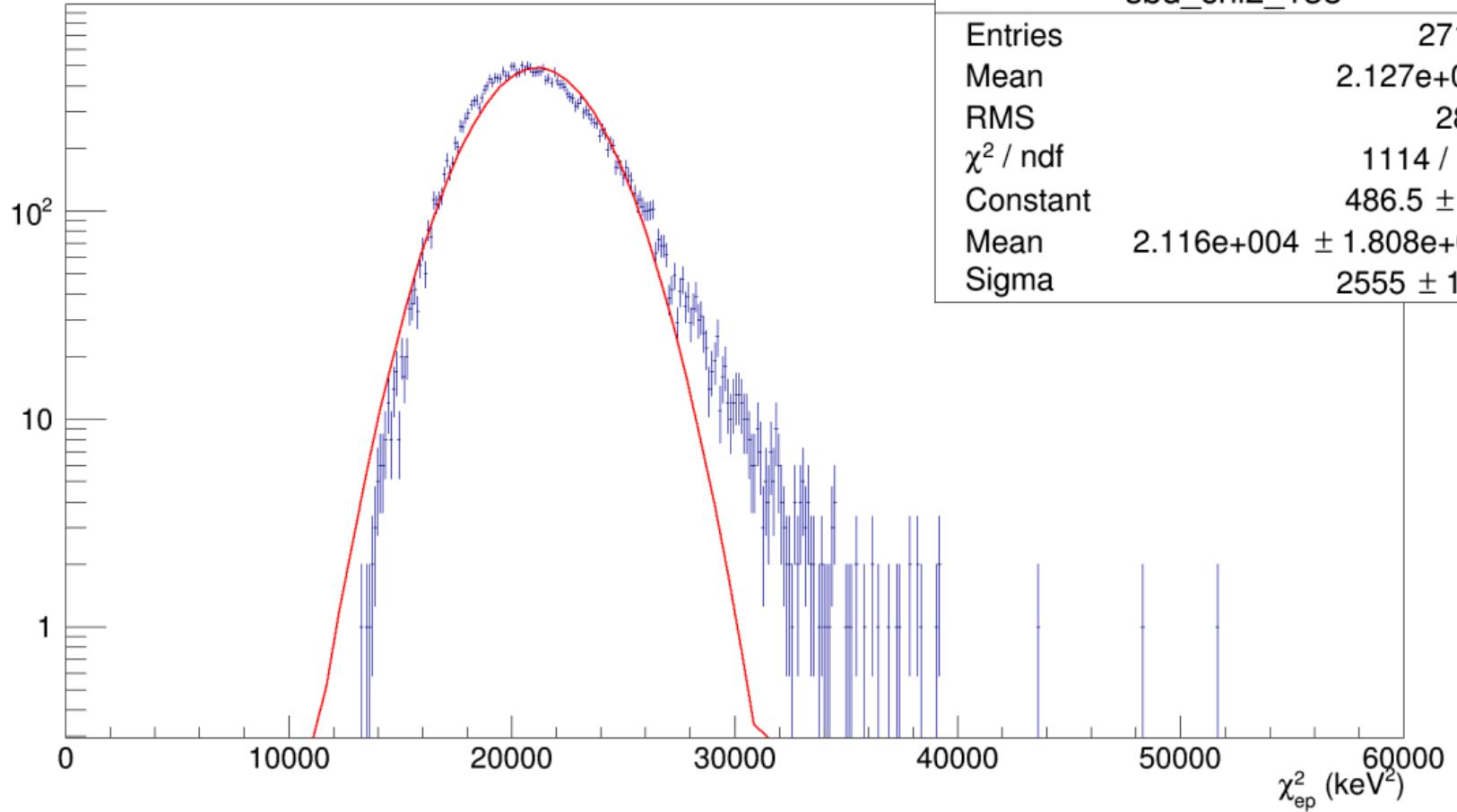
sbd_chi2_136	
Entries	27072
Mean	2.126e+004
RMS	2897
χ^2 / ndf	1144 / 196
Constant	483.6 ± 3.7
Mean	2.116e+004 ± 1.833e+001
Sigma	2563 ± 12.0

χ^2_{ep} from 137.00 keV to 138.00 keV



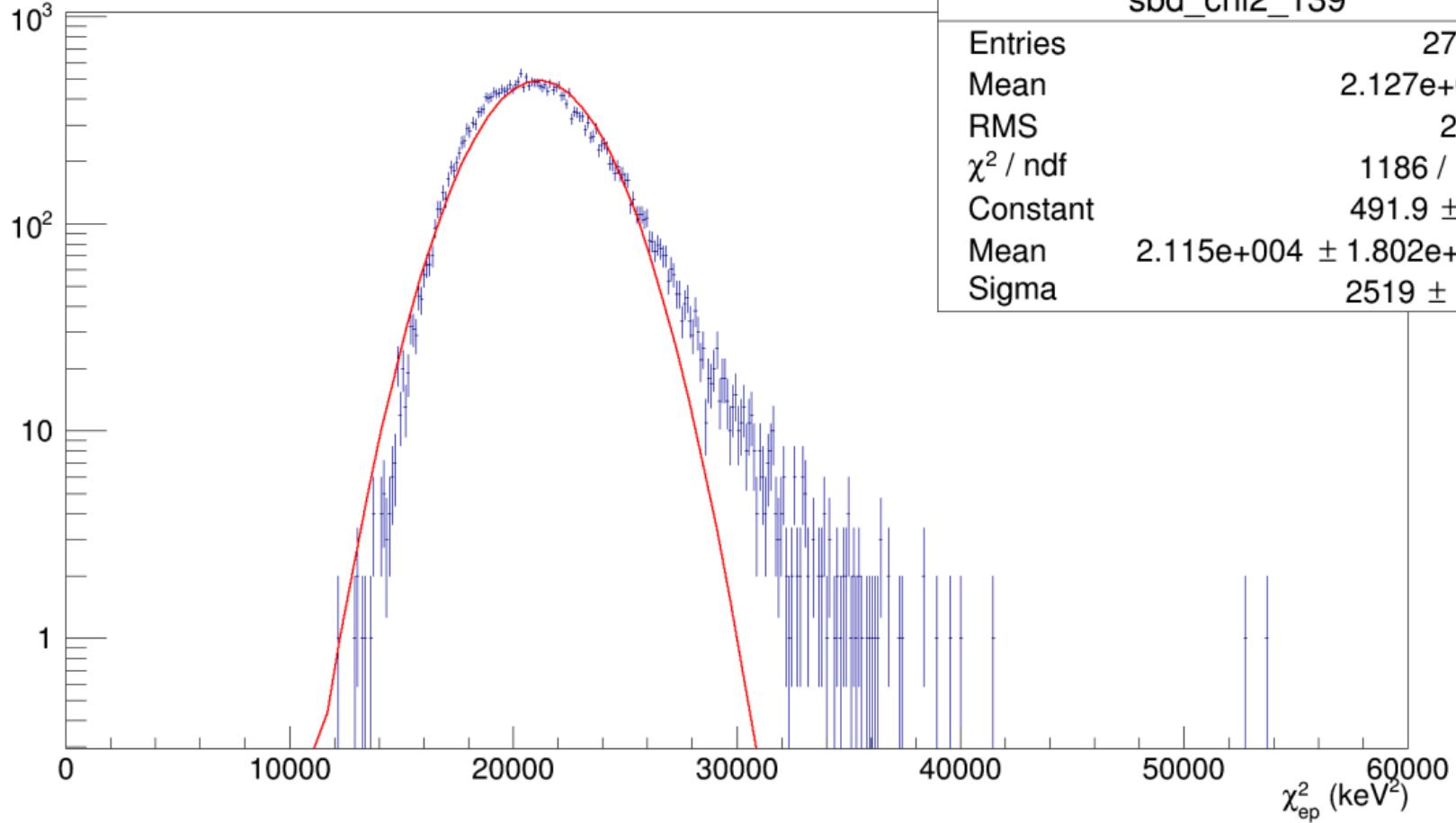
χ^2_{ep} from 138.00 keV to 139.00 keV

probability

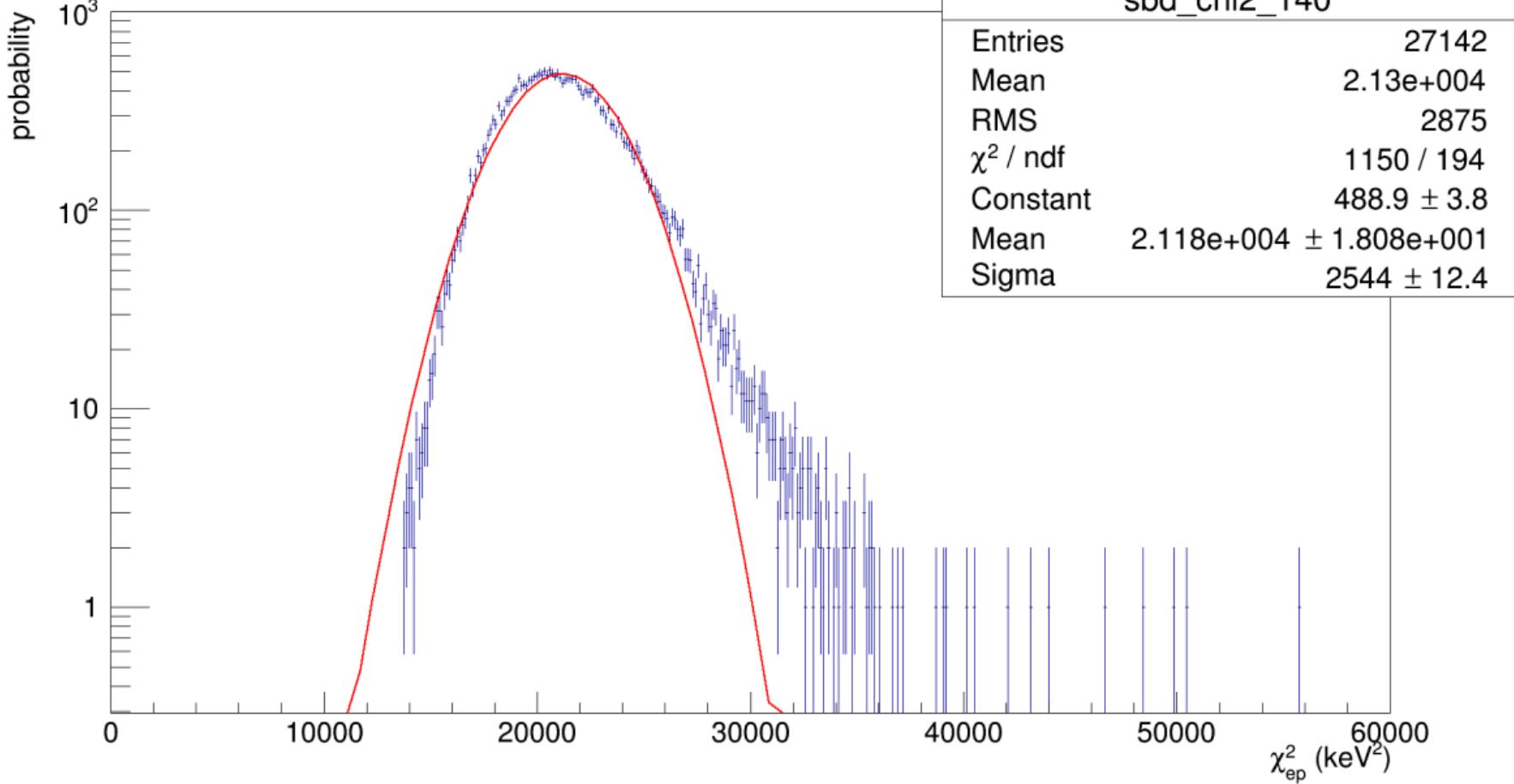


χ^2_{ep} from 139.00 keV to 140.00 keV

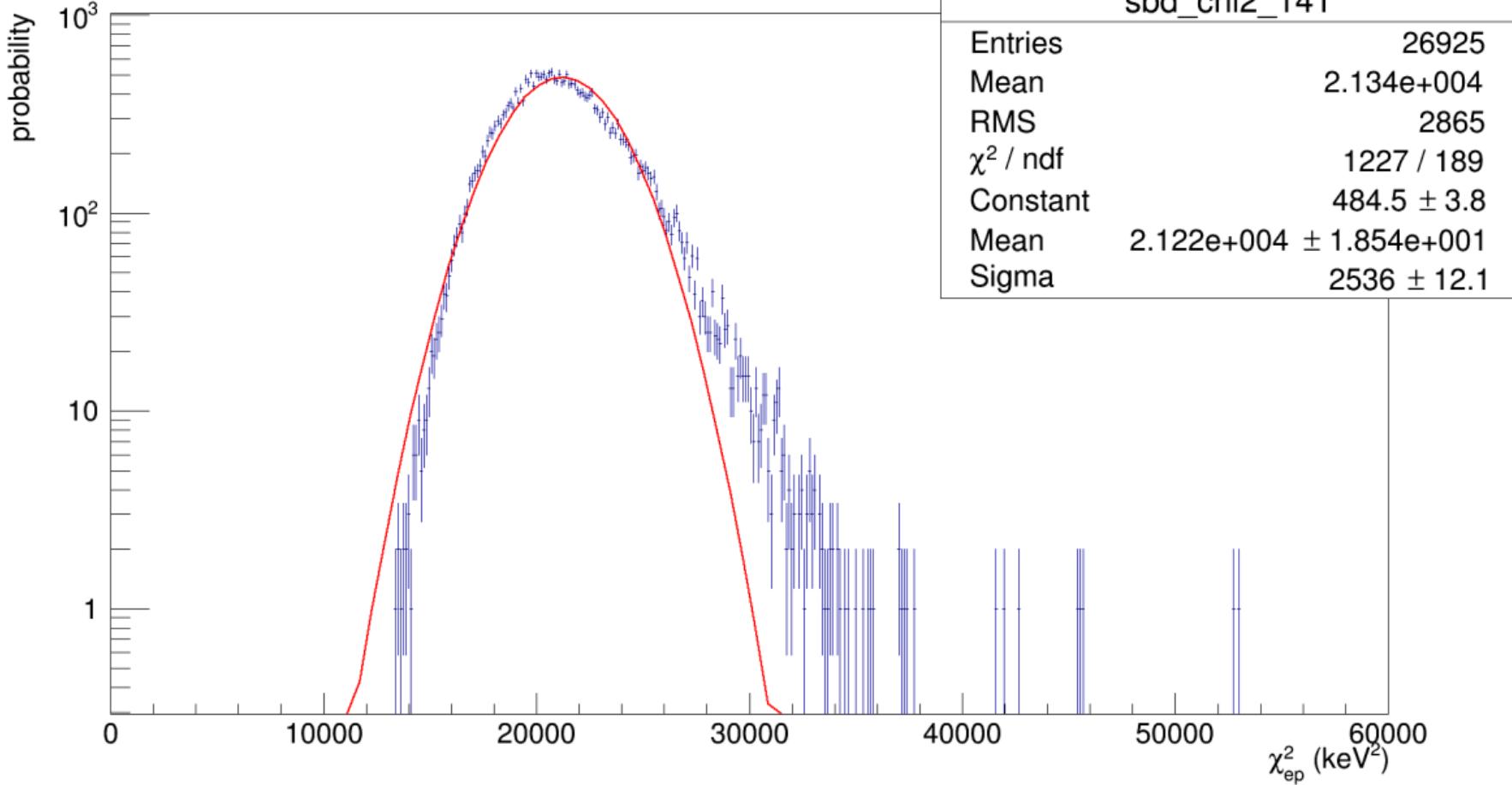
probability



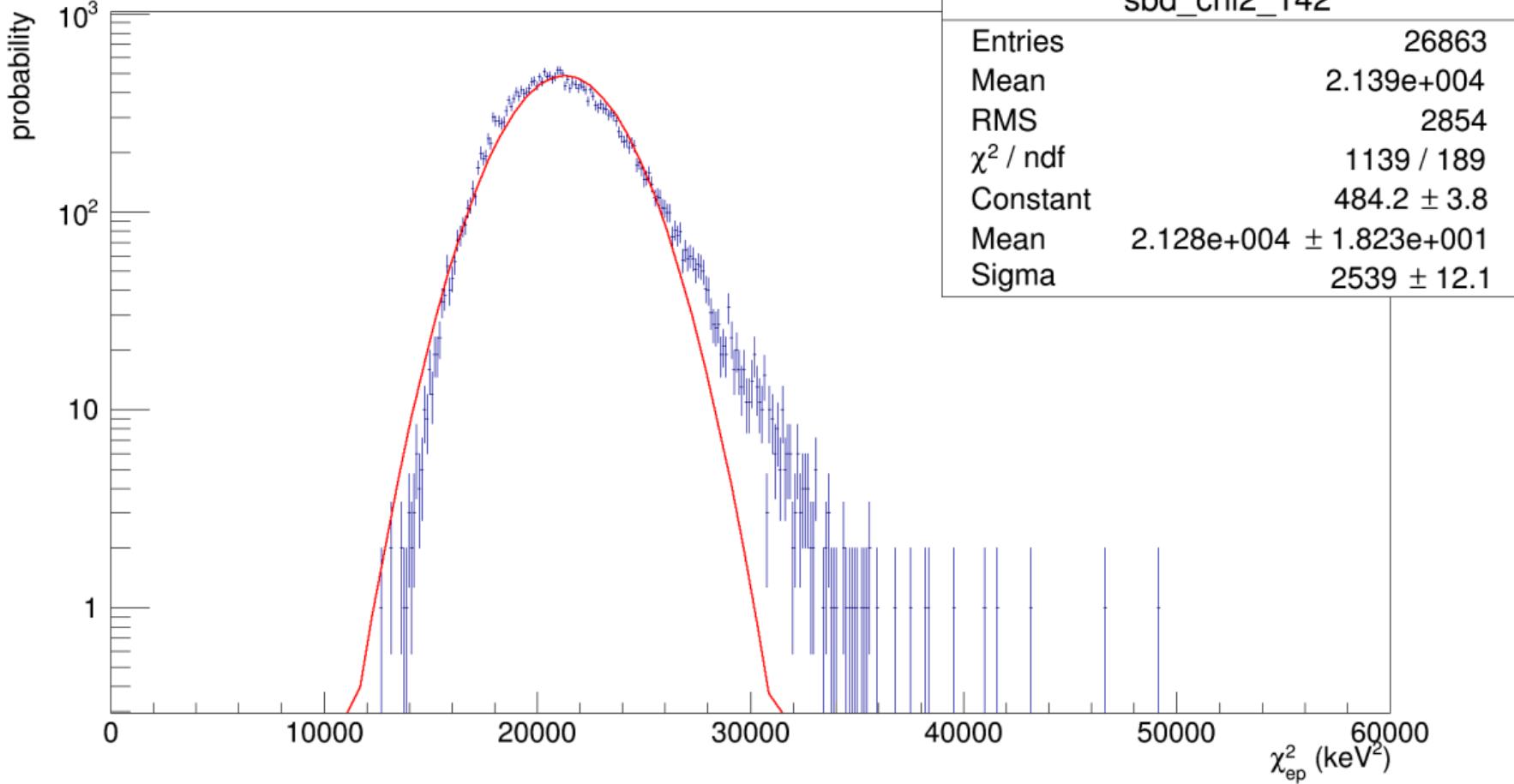
χ^2_{ep} from 140.00 keV to 141.00 keV



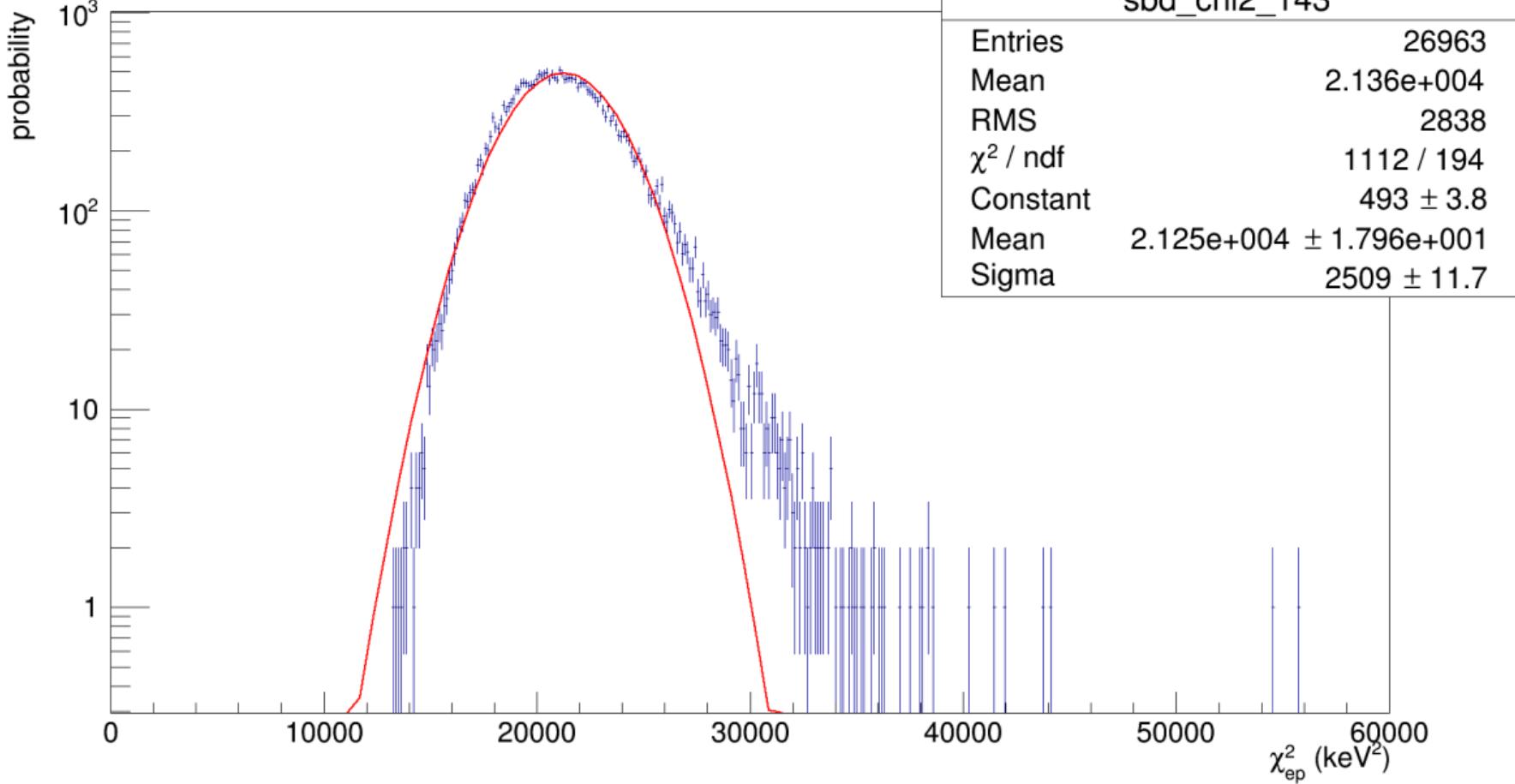
χ^2_{ep} from 141.00 keV to 142.00 keV



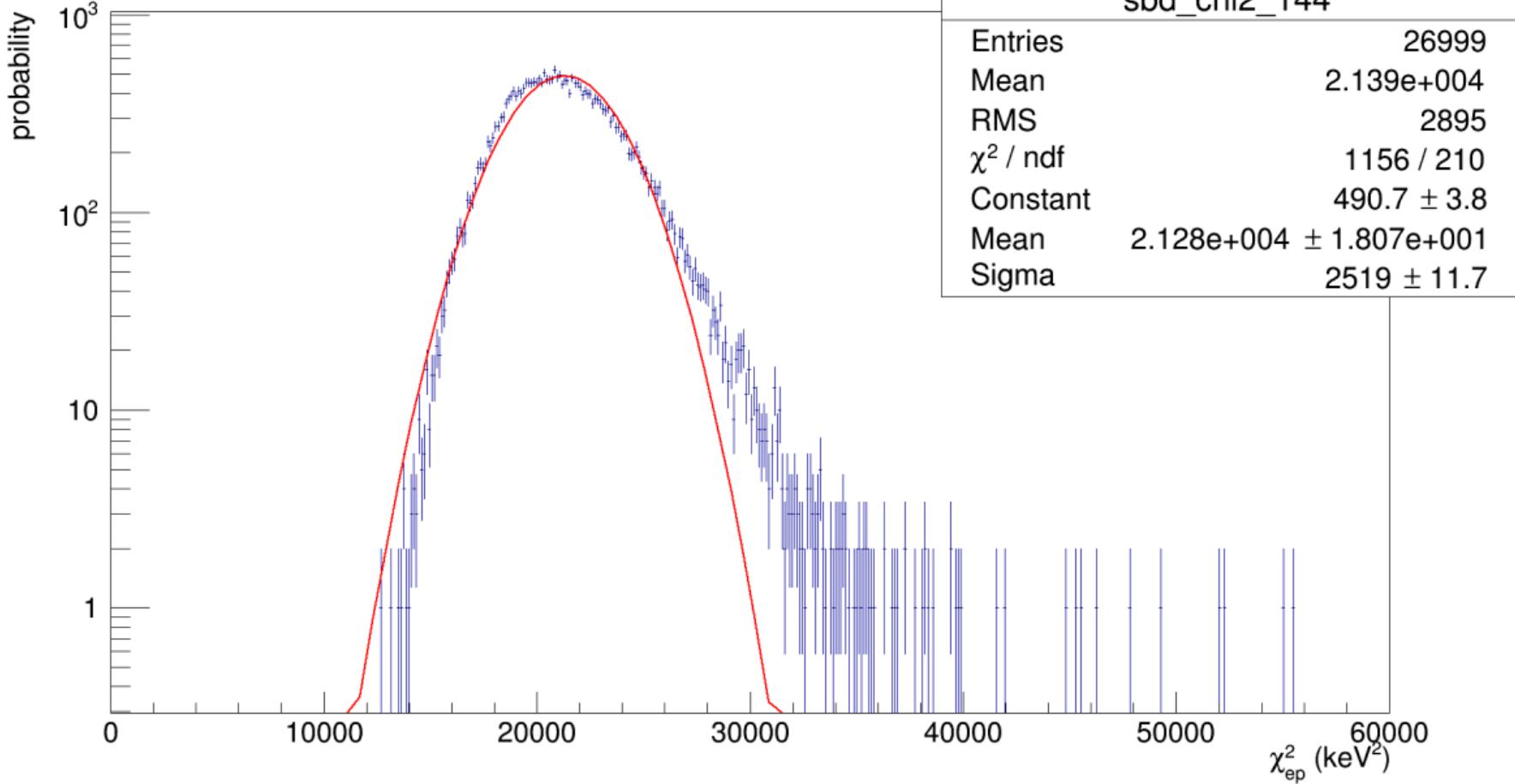
χ^2_{ep} from 142.00 keV to 143.00 keV



χ^2_{ep} from 143.00 keV to 144.00 keV

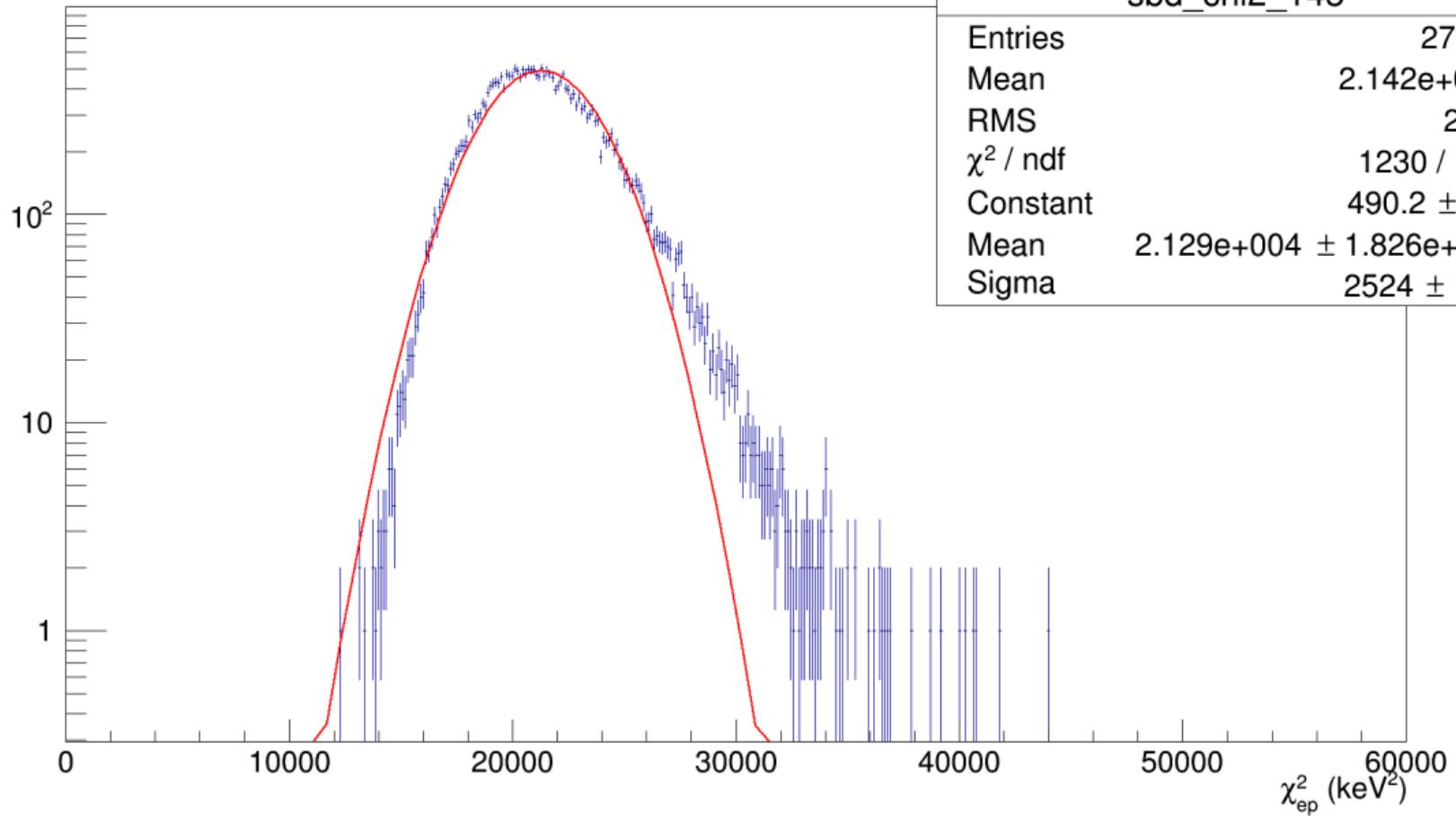


χ^2_{ep} from 144.00 keV to 145.00 keV



χ^2_{ep} from 145.00 keV to 146.00 keV

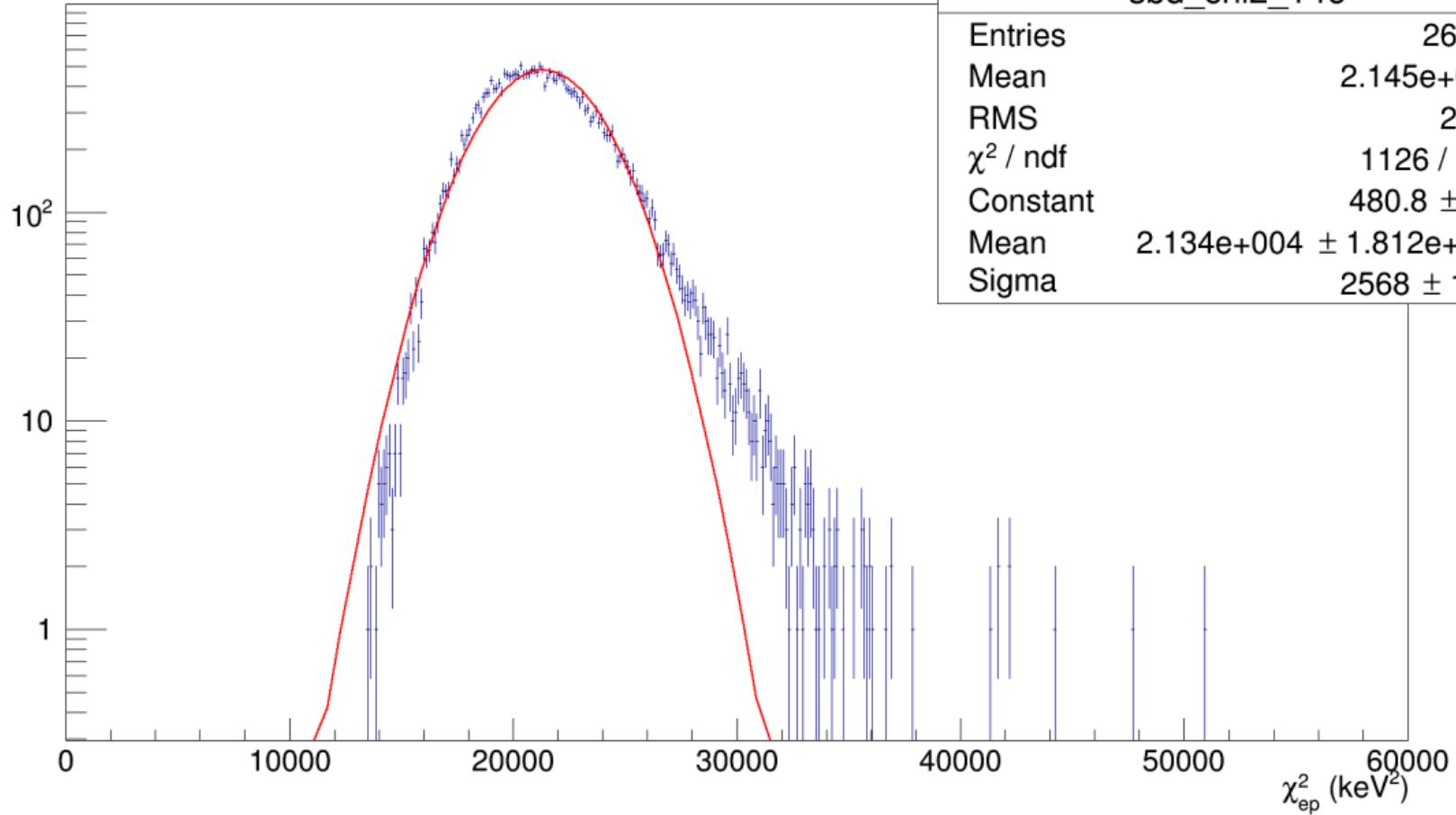
probability



sbd_chi2_145	
Entries	27093
Mean	2.142e+004
RMS	2841
χ^2 / ndf	1230 / 192
Constant	490.2 ± 3.8
Mean	2.129e+004 ± 1.826e+001
Sigma	2524 ± 12.1

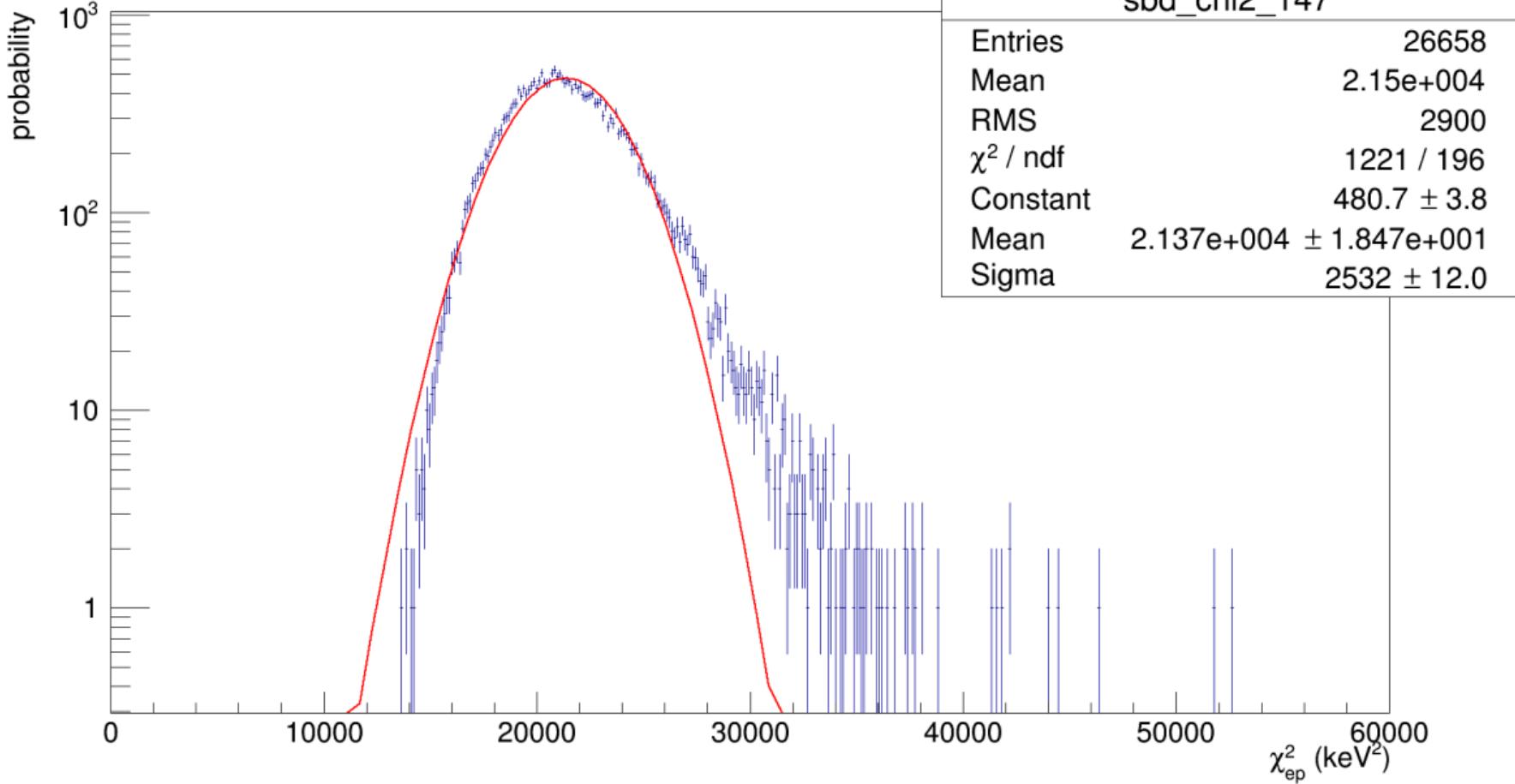
χ^2_{ep} from 146.00 keV to 147.00 keV

probability



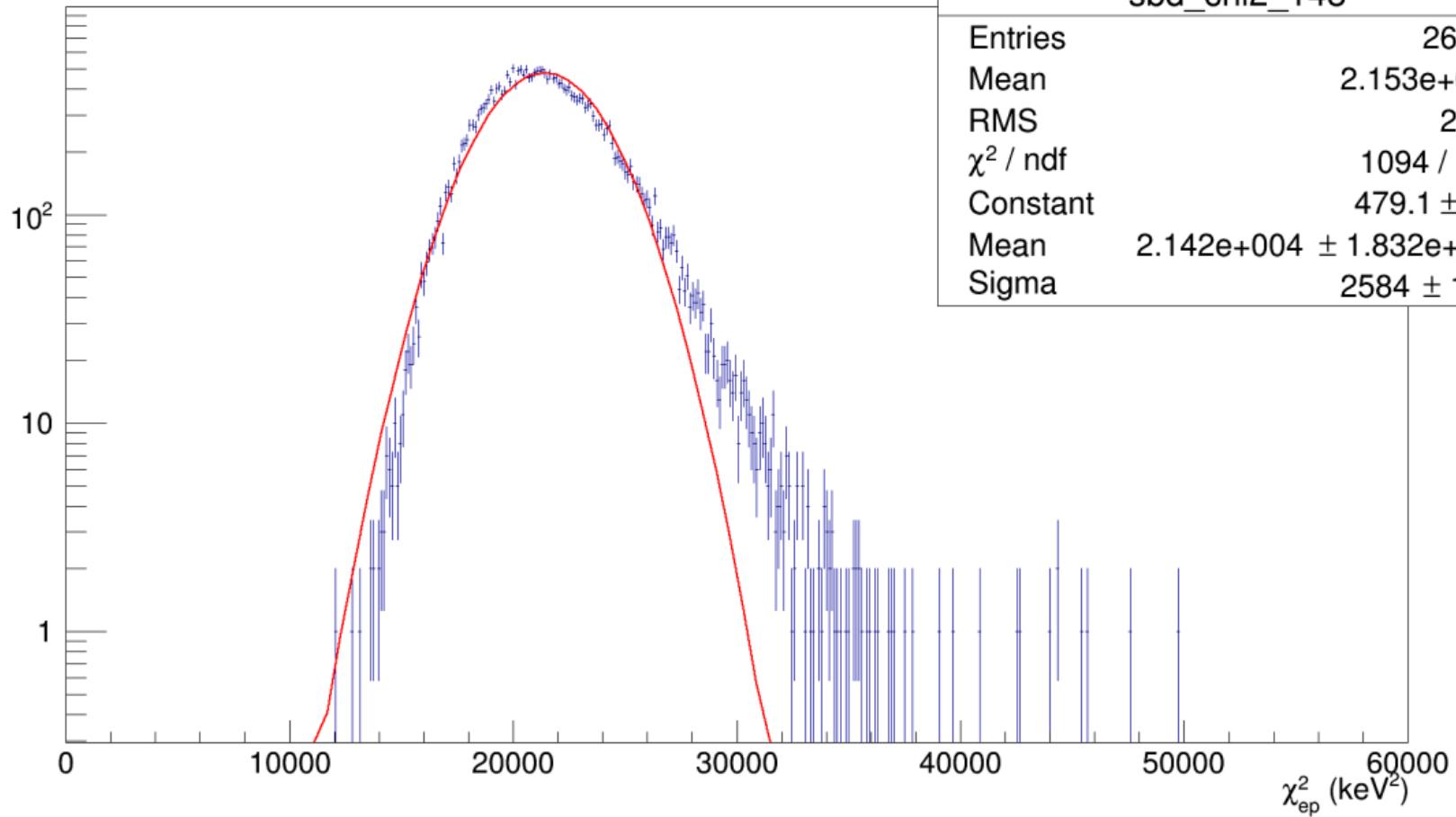
sbd_chi2_146	
Entries	26929
Mean	2.145e+004
RMS	2884
χ^2 / ndf	1126 / 186
Constant	480.8 ± 3.8
Mean	2.134e+004 ± 1.812e+001
Sigma	2568 ± 12.2

χ^2_{ep} from 147.00 keV to 148.00 keV



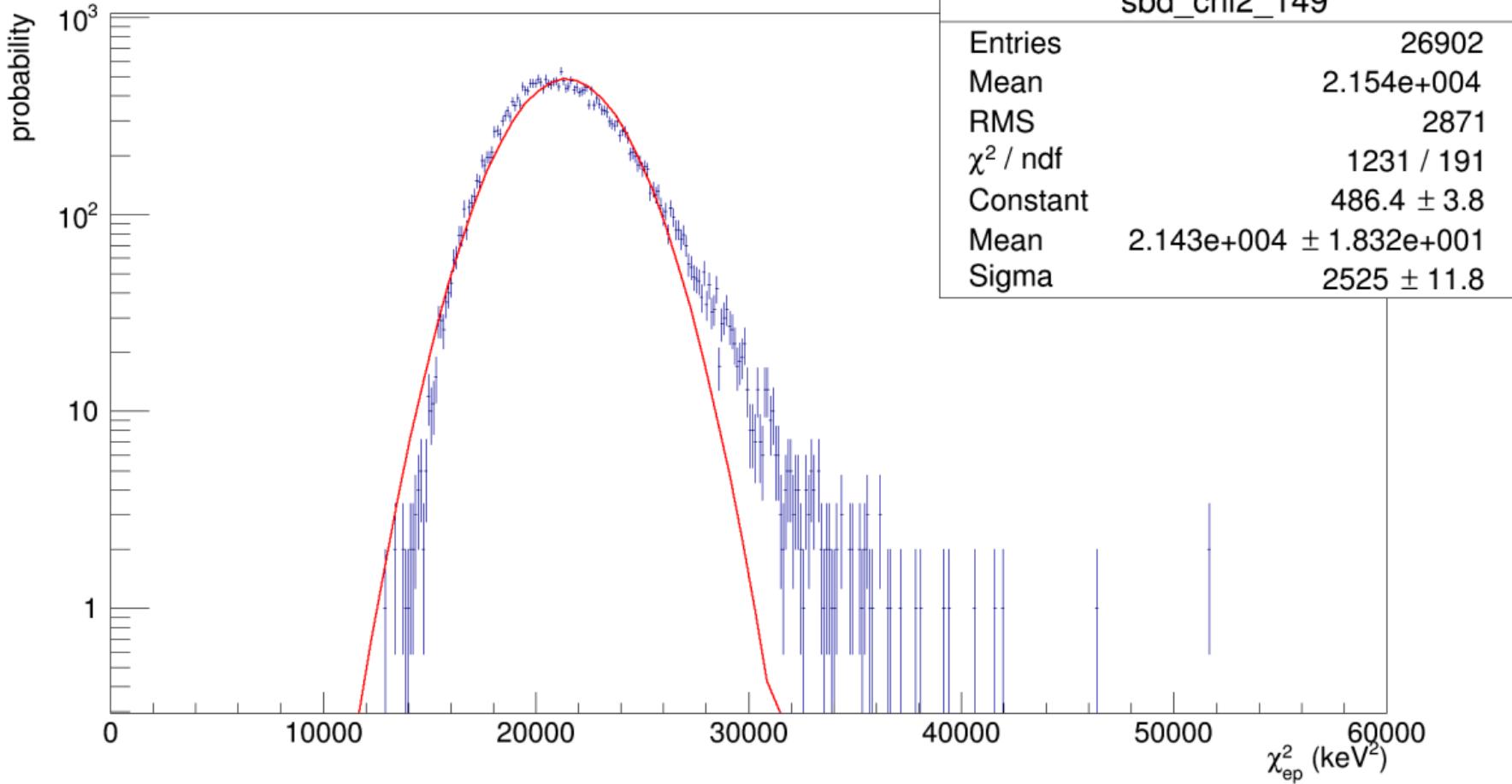
χ^2_{ep} from 148.00 keV to 149.00 keV

probability



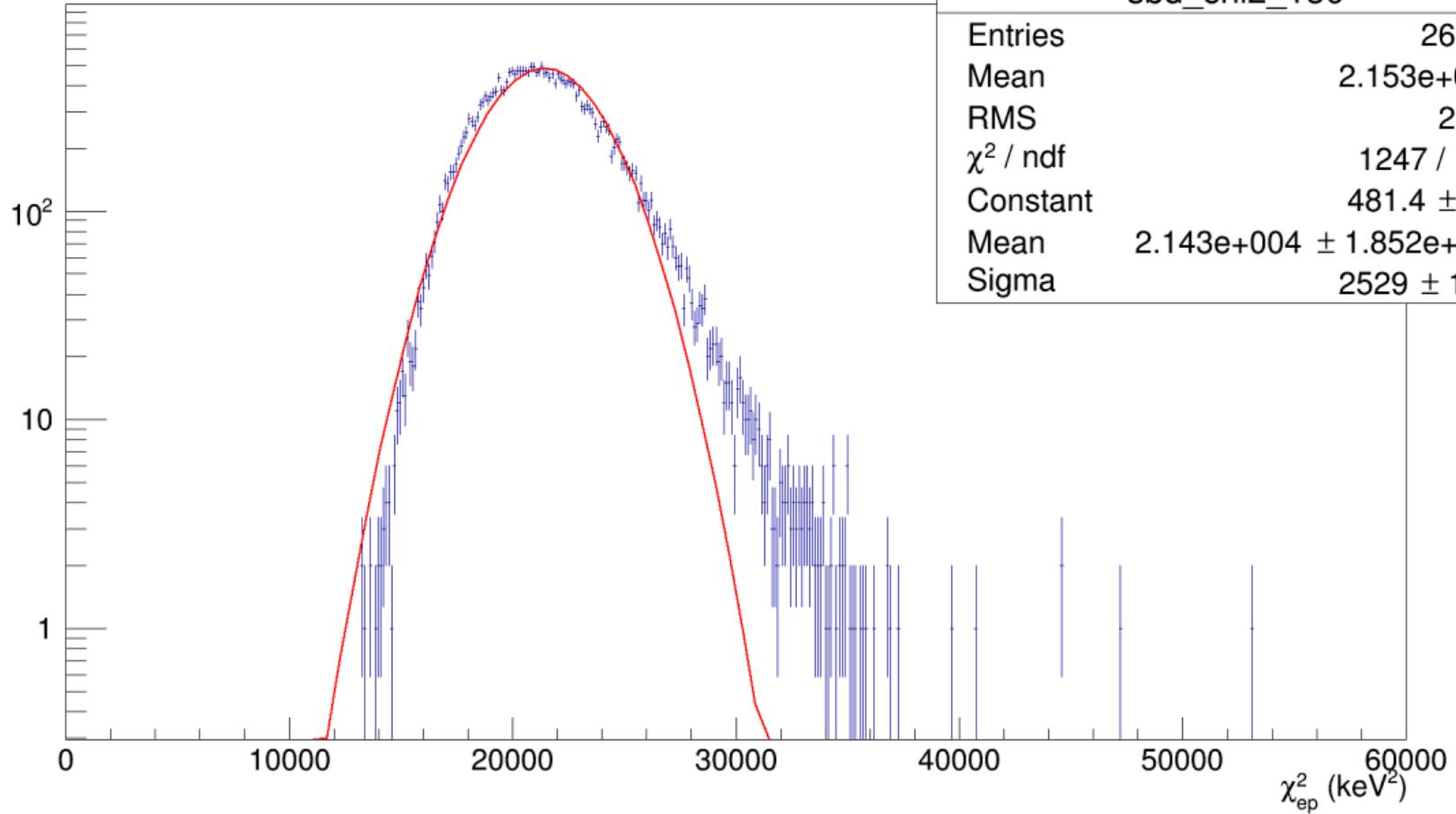
sbd_chi2_148	
Entries	26962
Mean	2.153e+004
RMS	2896
χ^2 / ndf	1094 / 199
Constant	479.1 ± 3.8
Mean	2.142e+004 ± 1.832e+001
Sigma	2584 ± 12.6

χ^2_{ep} from 149.00 keV to 150.00 keV



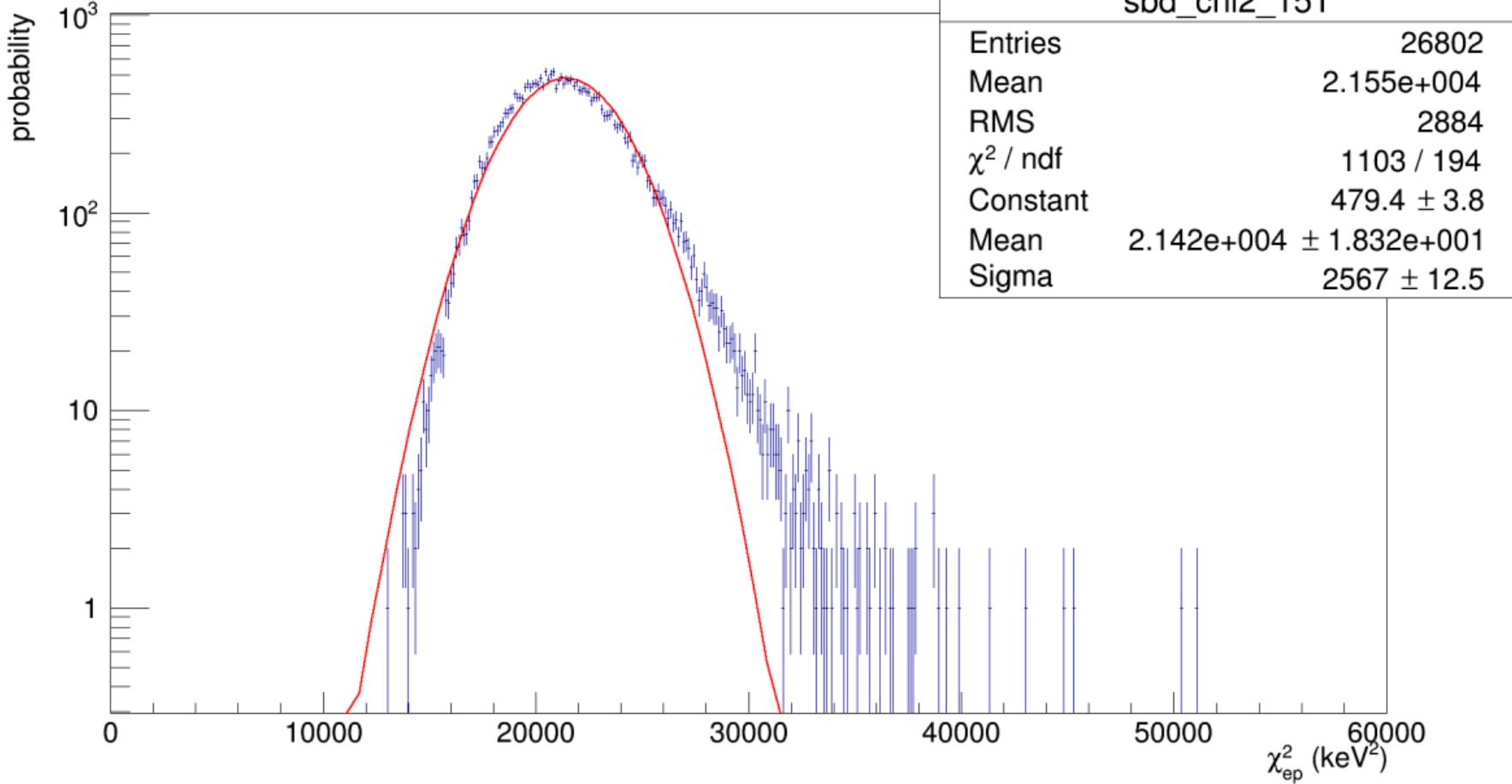
χ^2_{ep} from 150.00 keV to 151.00 keV

probability



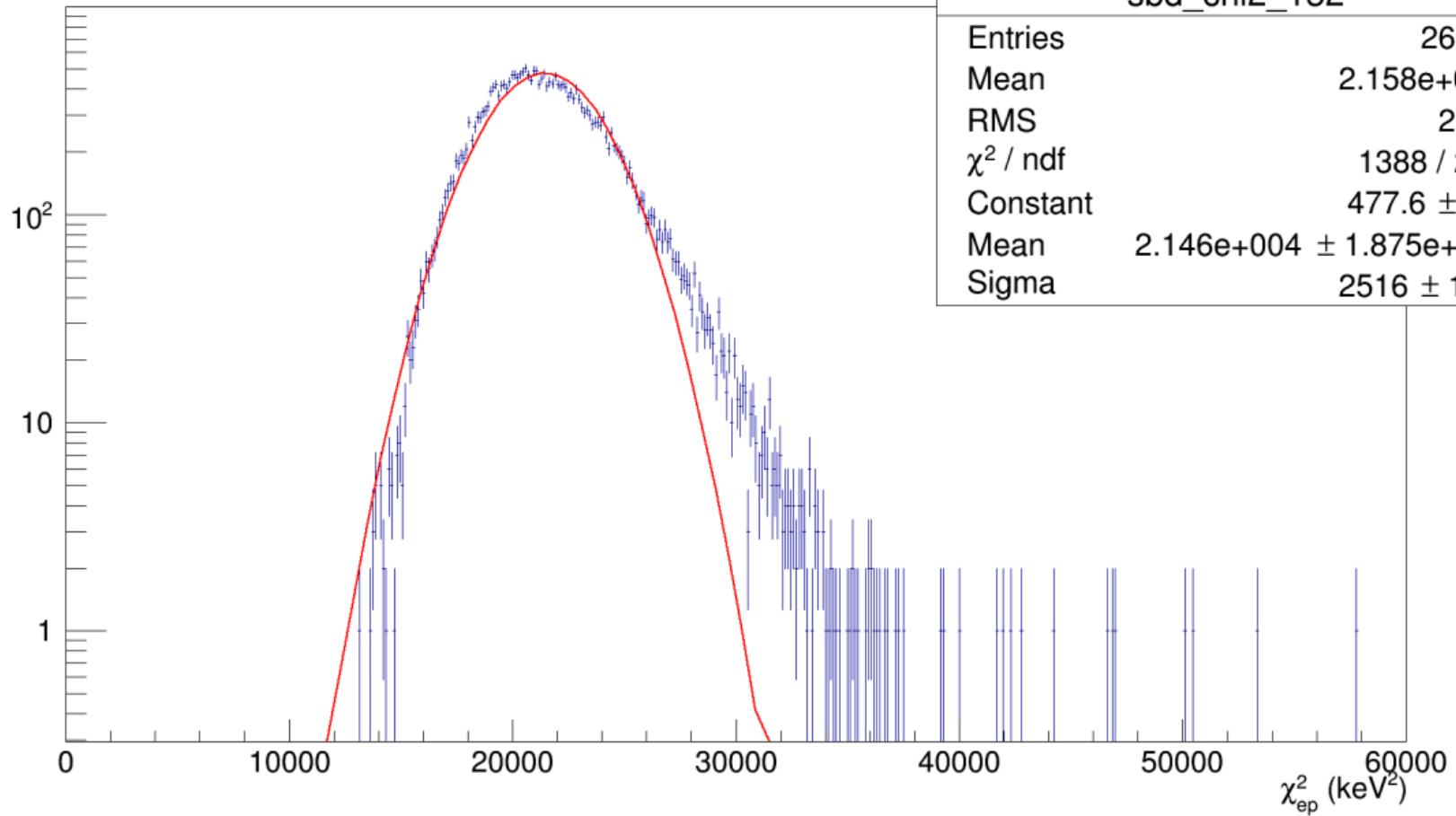
sbd_chi2_150	
Entries	26697
Mean	2.153e+004
RMS	2876
χ^2 / ndf	1247 / 192
Constant	481.4 ± 3.8
Mean	2.143e+004 ± 1.852e+001
Sigma	2529 ± 12.0

χ^2_{ep} from 151.00 keV to 152.00 keV



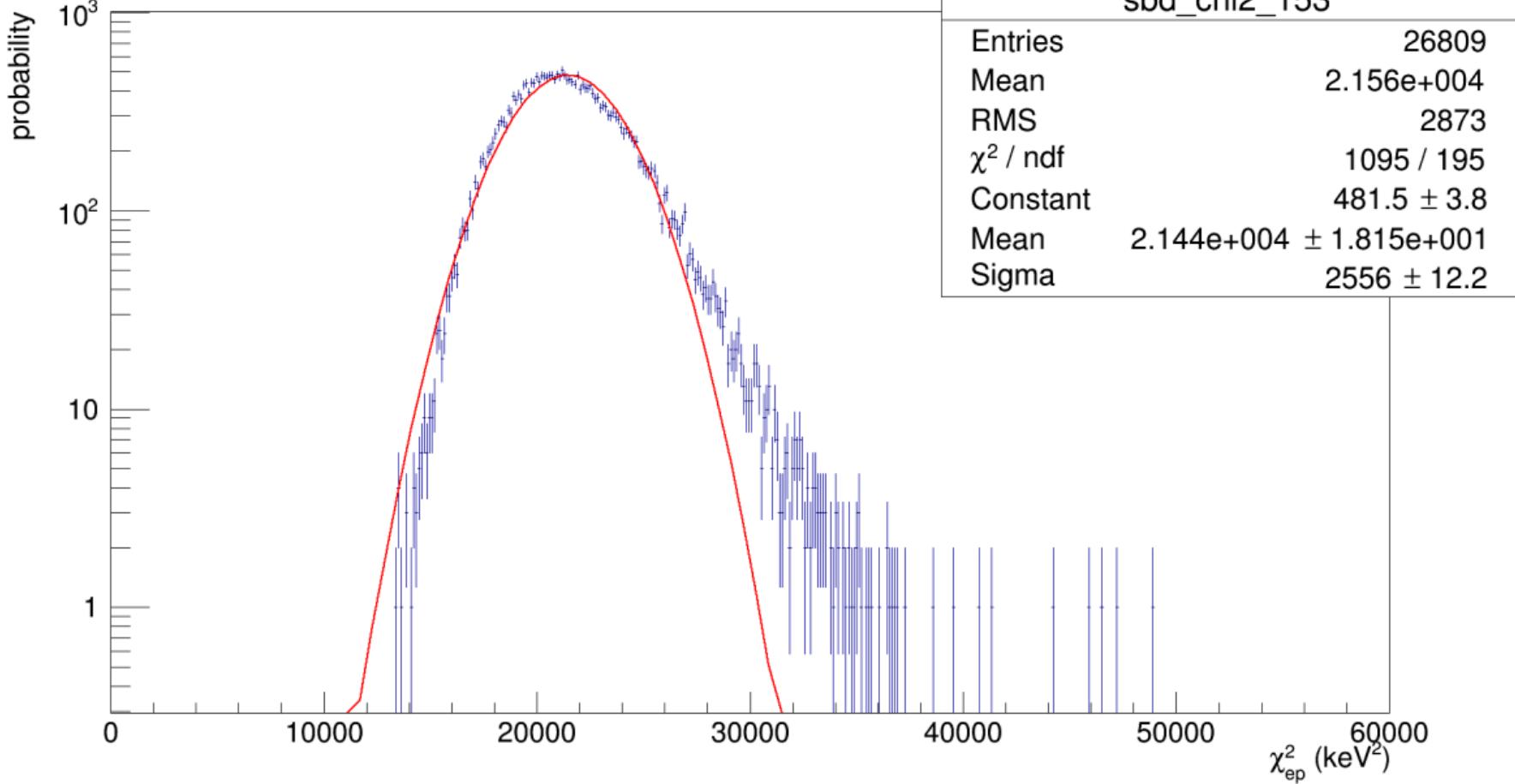
χ^2_{ep} from 152.00 keV to 153.00 keV

probability



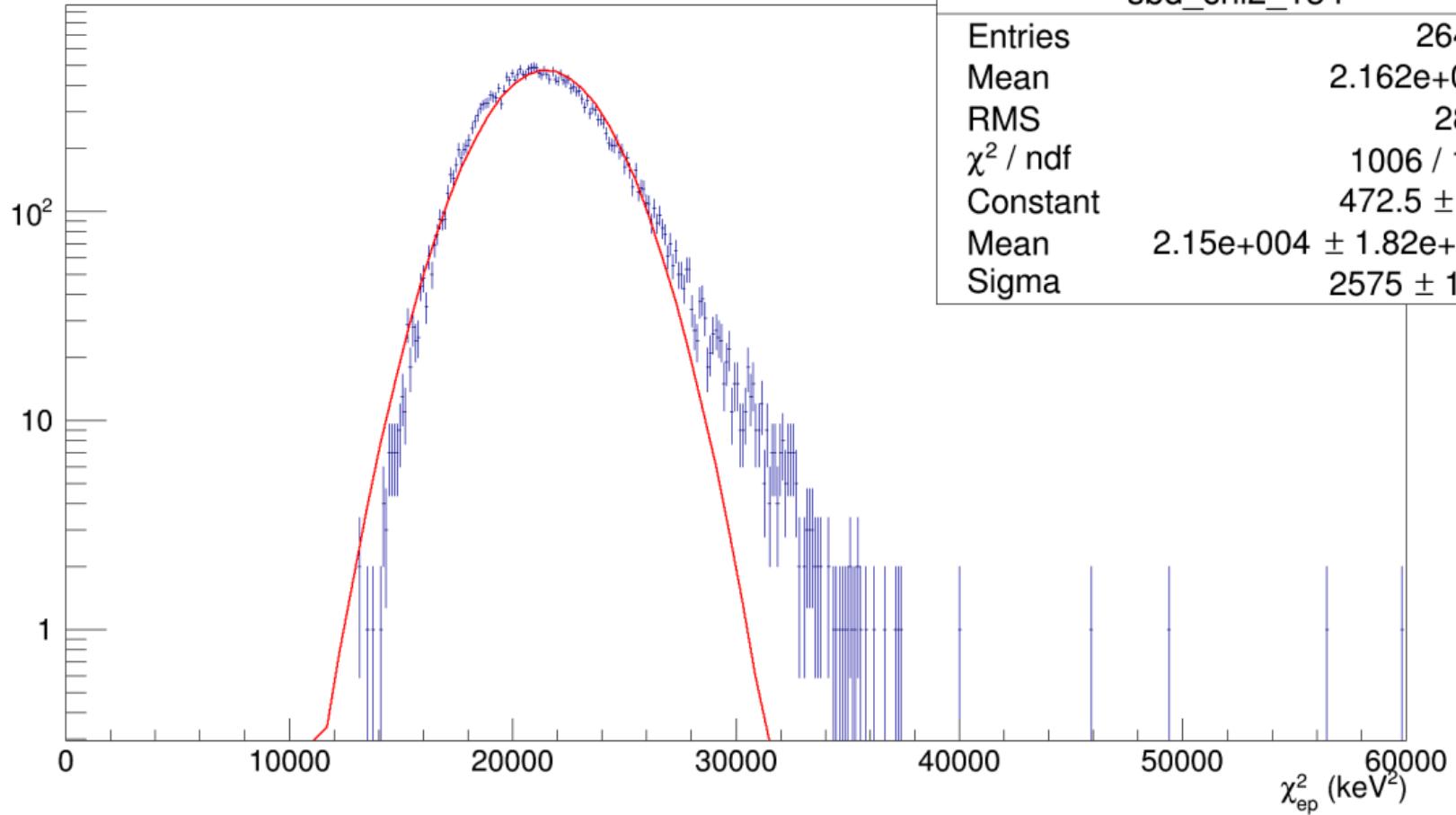
sbd_chi2_152	
Entries	26500
Mean	2.158e+004
RMS	2930
χ^2 / ndf	1388 / 203
Constant	477.6 ± 3.8
Mean	2.146e+004 ± 1.875e+001
Sigma	2516 ± 12.0

χ^2_{ep} from 153.00 keV to 154.00 keV



χ^2_{ep} from 154.00 keV to 155.00 keV

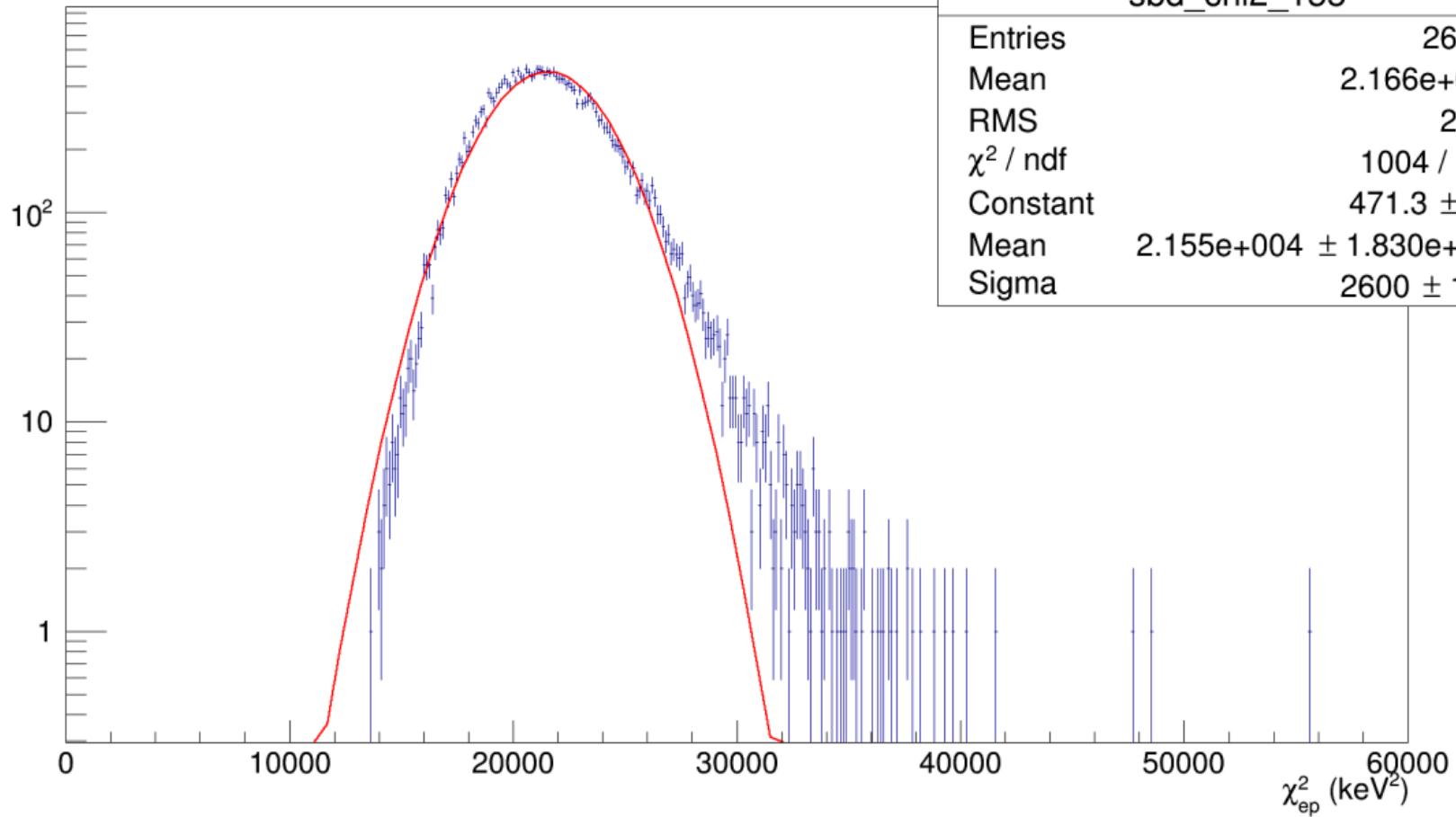
probability



sbd_chi2_154	
Entries	26412
Mean	2.162e+004
RMS	2883
χ^2 / ndf	1006 / 187
Constant	472.5 ± 3.7
Mean	2.15e+004 ± 1.82e+001
Sigma	2575 ± 12.5

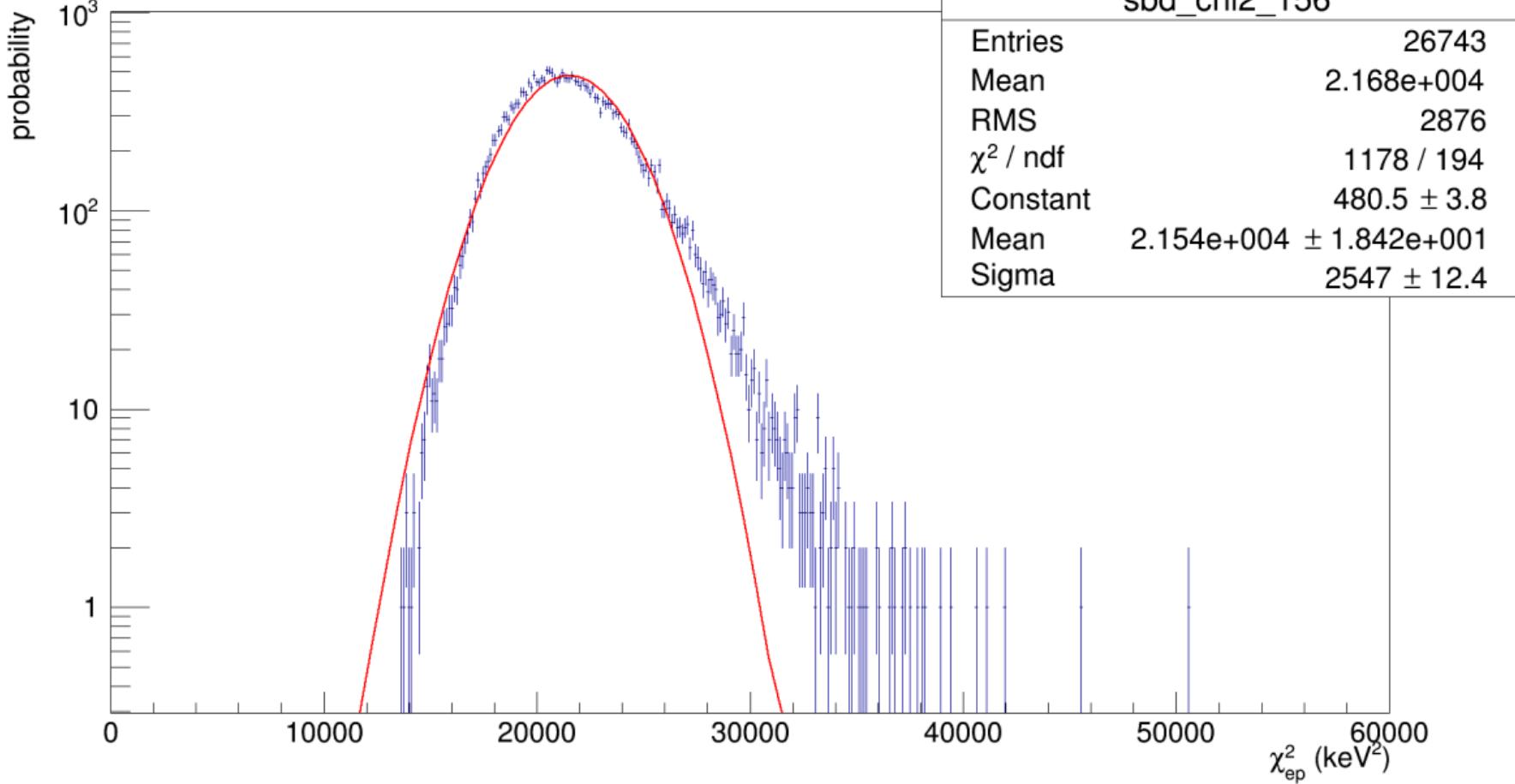
χ^2_{ep} from 155.00 keV to 156.00 keV

probability



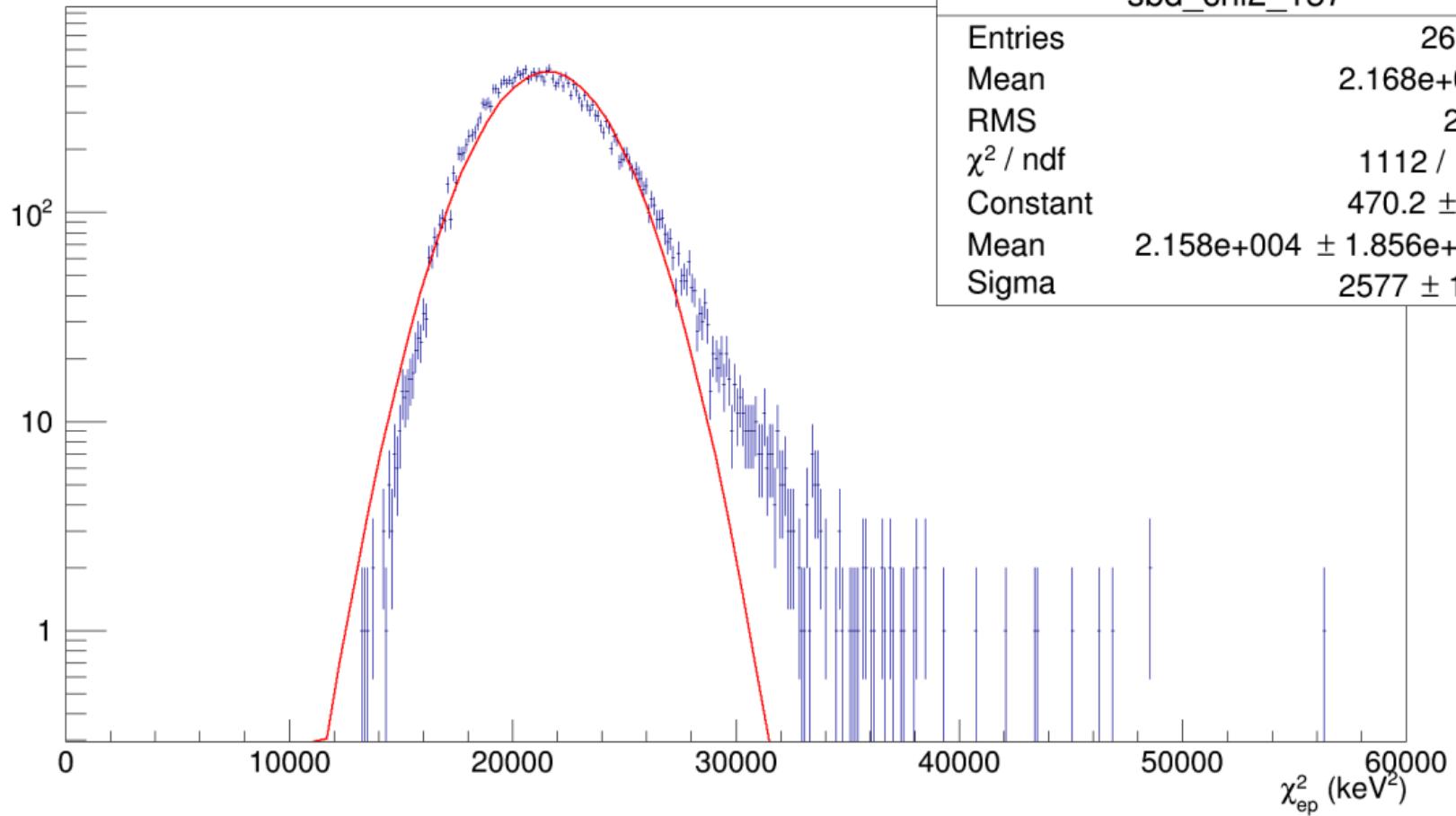
sbd_chi2_155	
Entries	26596
Mean	2.166e+004
RMS	2880
χ^2 / ndf	1004 / 195
Constant	471.3 ± 3.8
Mean	2.155e+004 ± 1.830e+001
Sigma	2600 ± 13.0

χ^2_{ep} from 156.00 keV to 157.00 keV



χ^2_{ep} from 157.00 keV to 158.00 keV

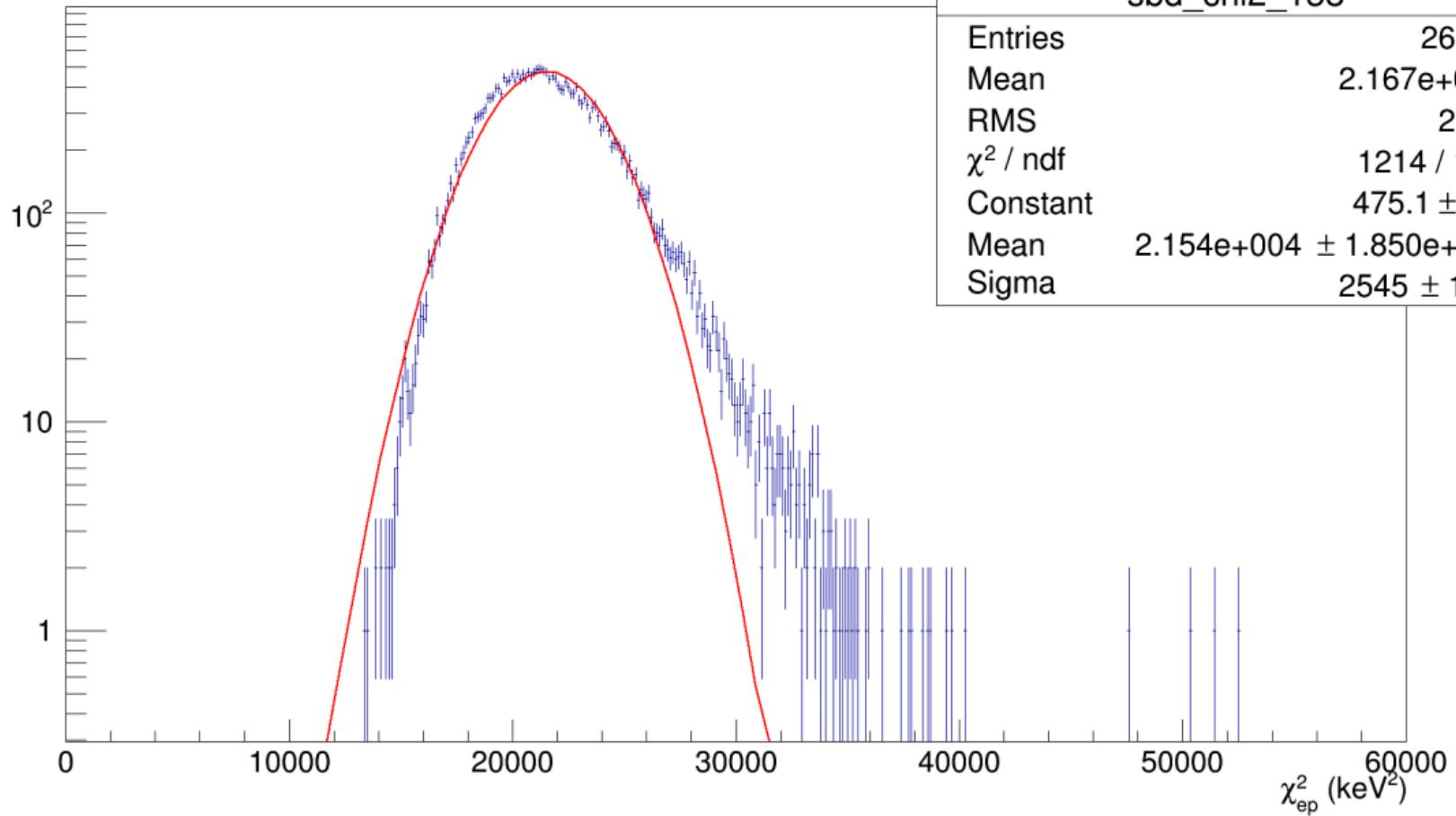
probability



sbd_chi2_157	
Entries	26424
Mean	2.168e+004
RMS	2891
χ^2 / ndf	1112 / 195
Constant	470.2 ± 3.7
Mean	2.158e+004 ± 1.856e+001
Sigma	2577 ± 12.4

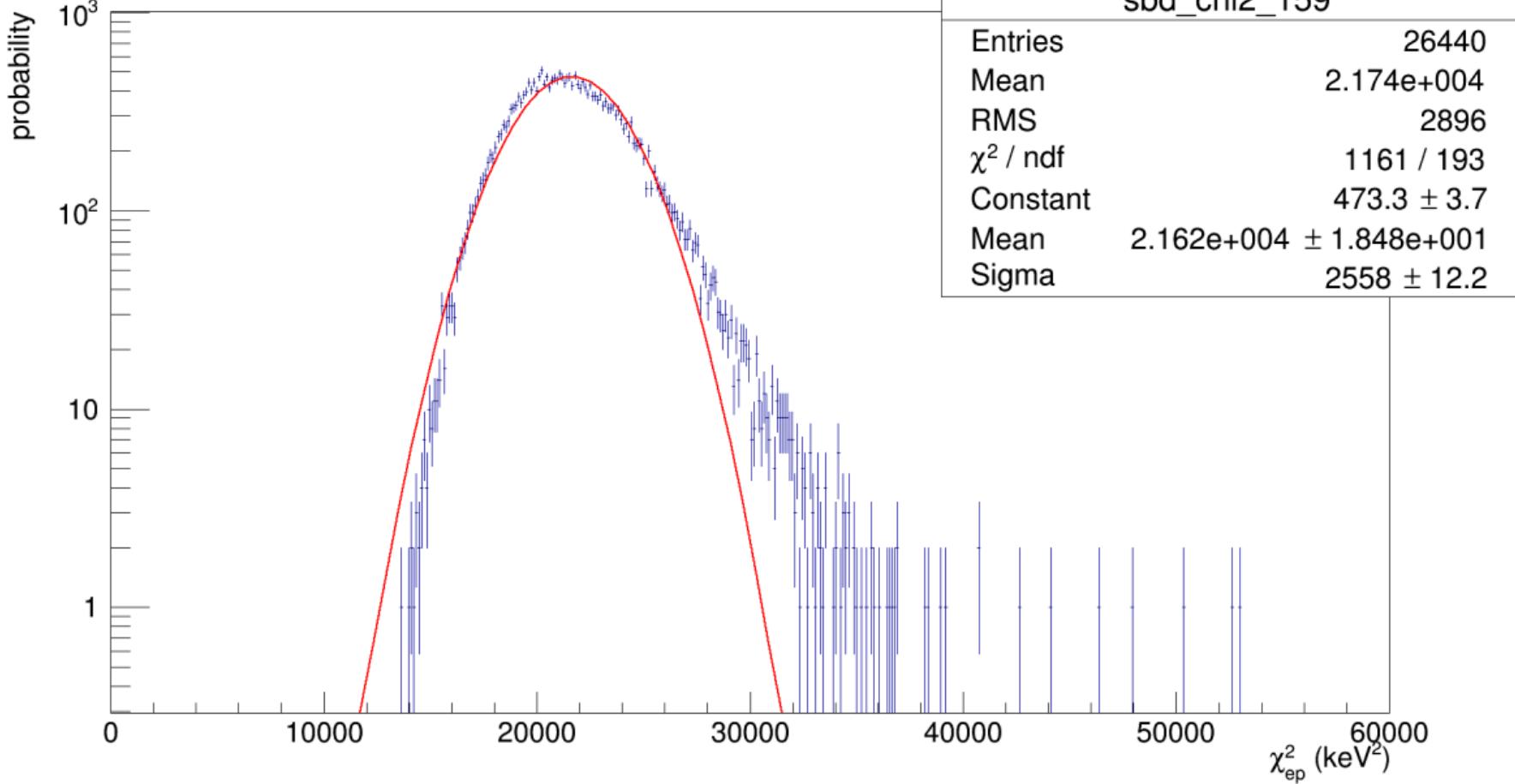
χ^2_{ep} from 158.00 keV to 159.00 keV

probability



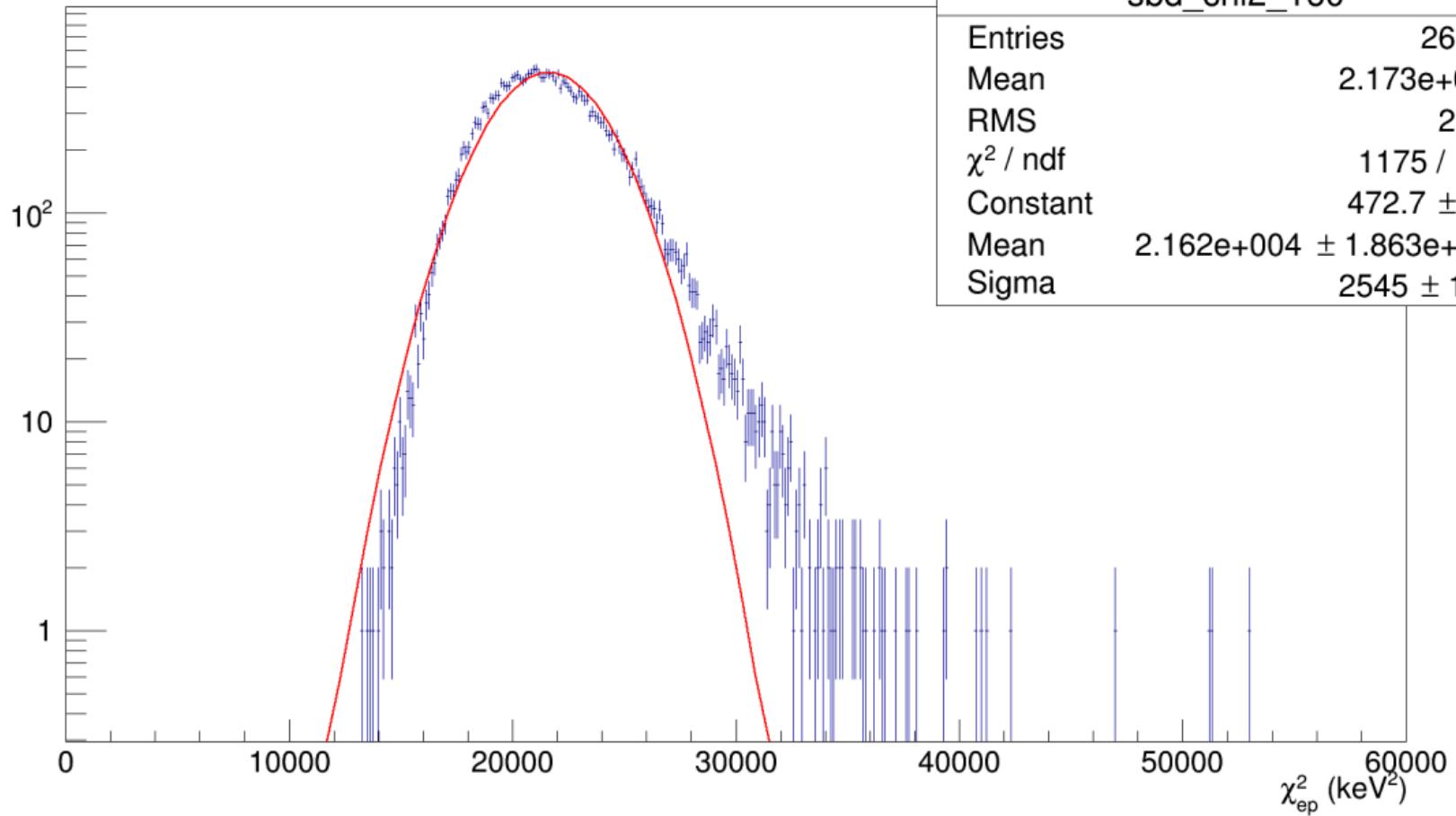
sbd_chi2_158	
Entries	26465
Mean	2.167e+004
RMS	2896
χ^2 / ndf	1214 / 194
Constant	475.1 ± 3.8
Mean	2.154e+004 ± 1.850e+001
Sigma	2545 ± 12.4

χ^2_{ep} from 159.00 keV to 160.00 keV



χ^2_{ep} from 160.00 keV to 161.00 keV

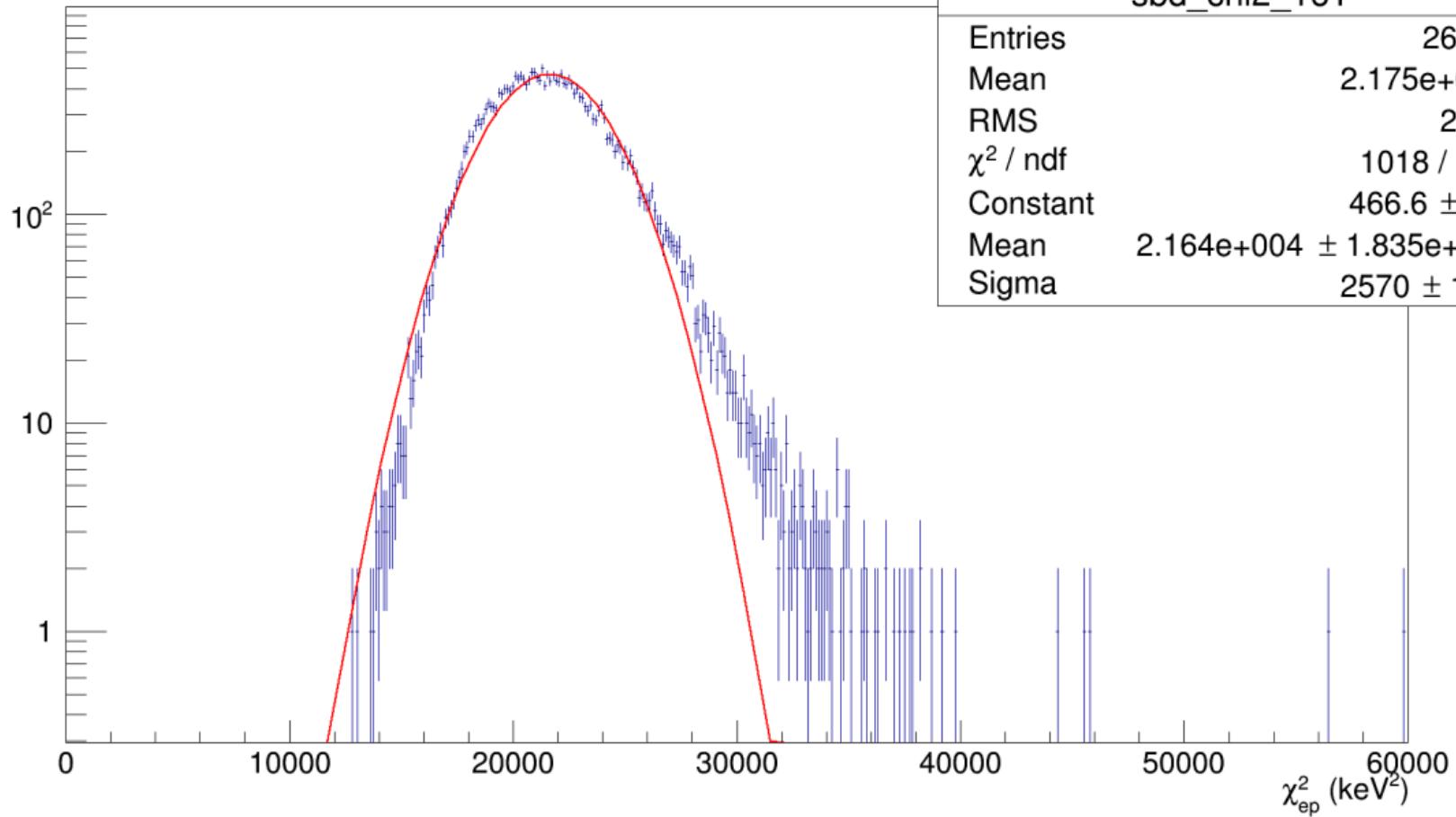
probability



sbd_chi2_160	
Entries	26300
Mean	2.173e+004
RMS	2889
χ^2 / ndf	1175 / 195
Constant	472.7 ± 3.7
Mean	2.162e+004 ± 1.863e+001
Sigma	2545 ± 12.2

χ^2_{ep} from 161.00 keV to 162.00 keV

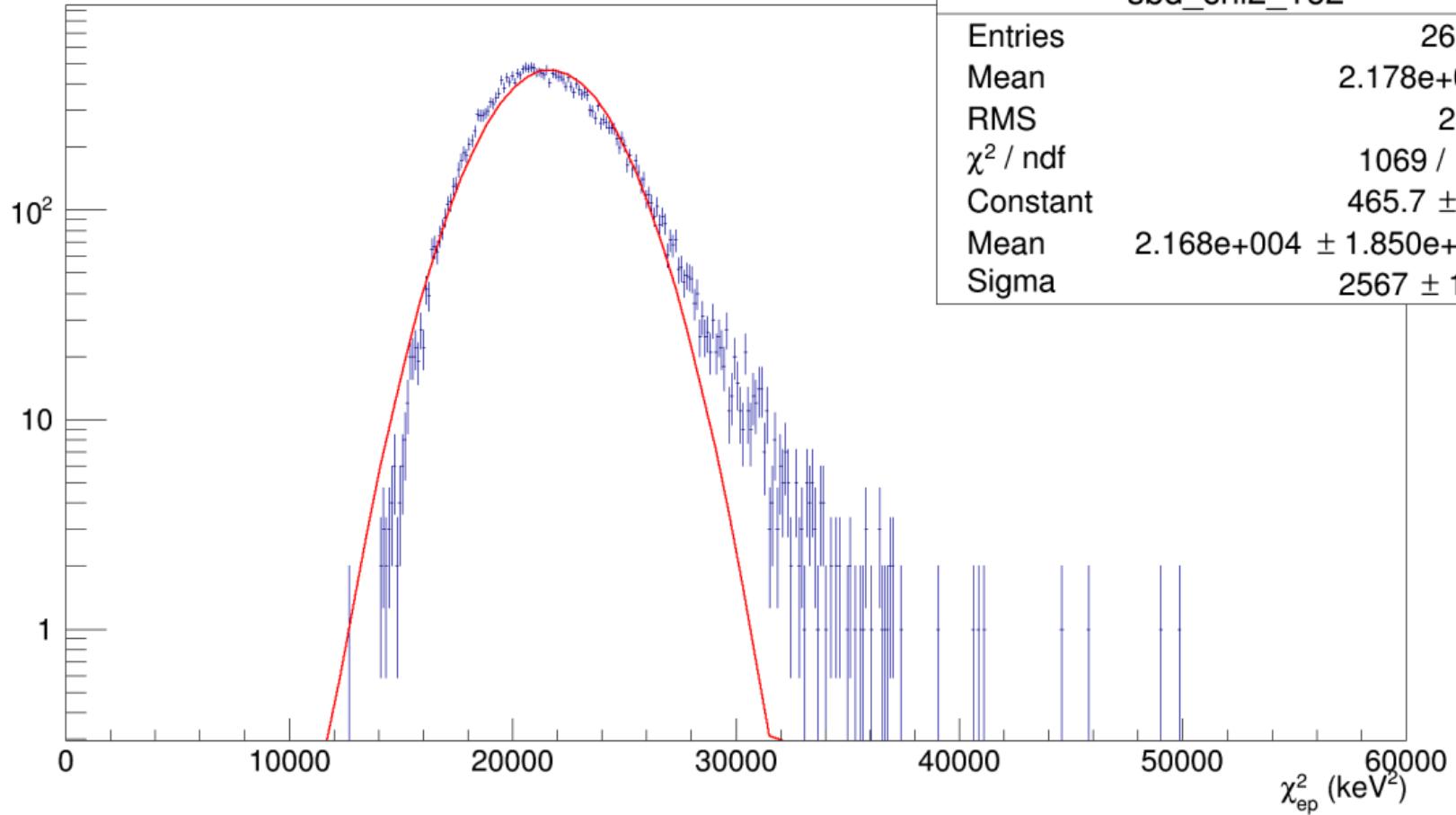
probability



sbd_chi2_161	
Entries	26077
Mean	2.175e+004
RMS	2878
χ^2 / ndf	1018 / 198
Constant	466.6 ± 3.7
Mean	2.164e+004 ± 1.835e+001
Sigma	2570 ± 12.5

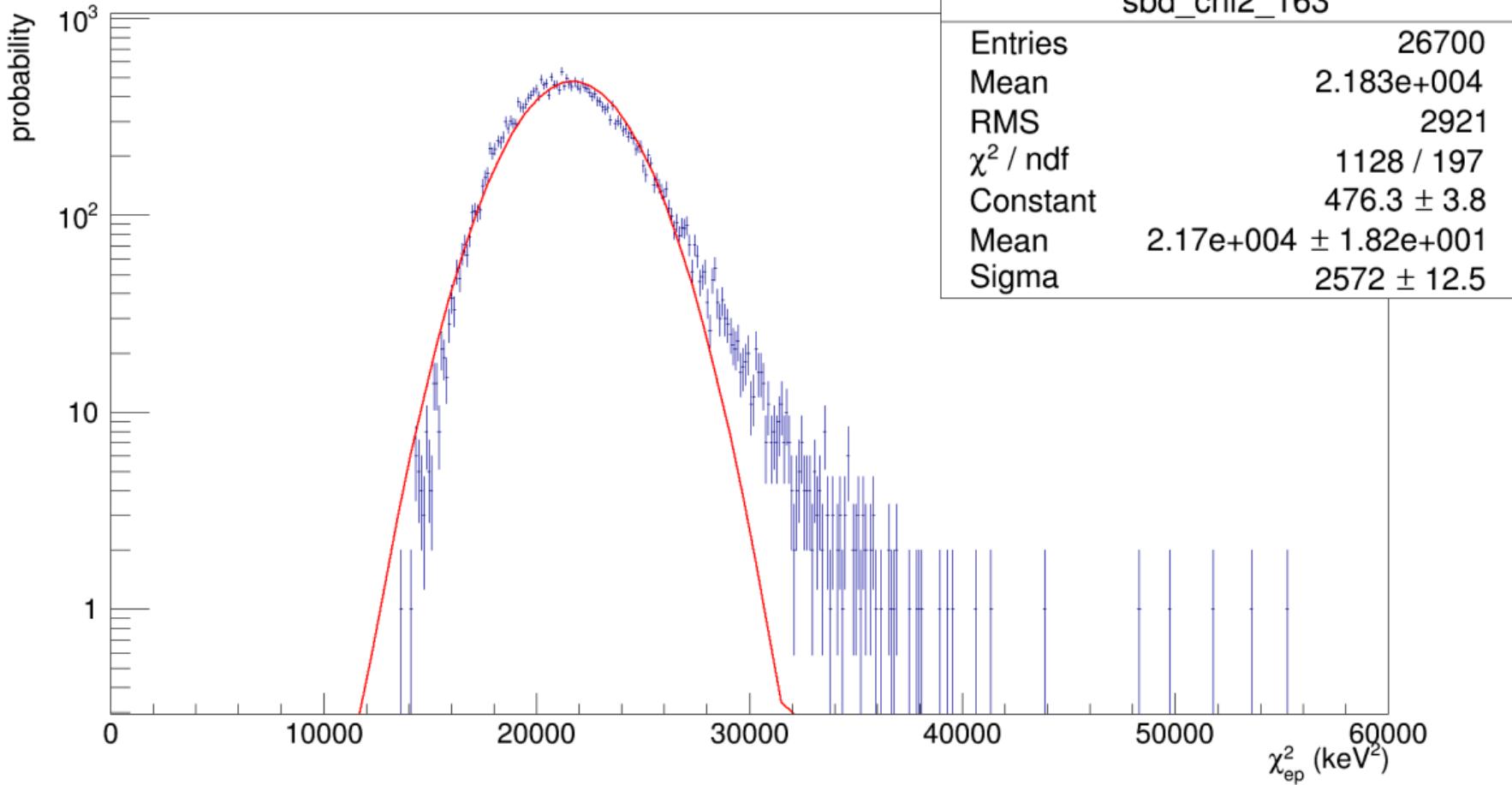
χ^2_{ep} from 162.00 keV to 163.00 keV

probability

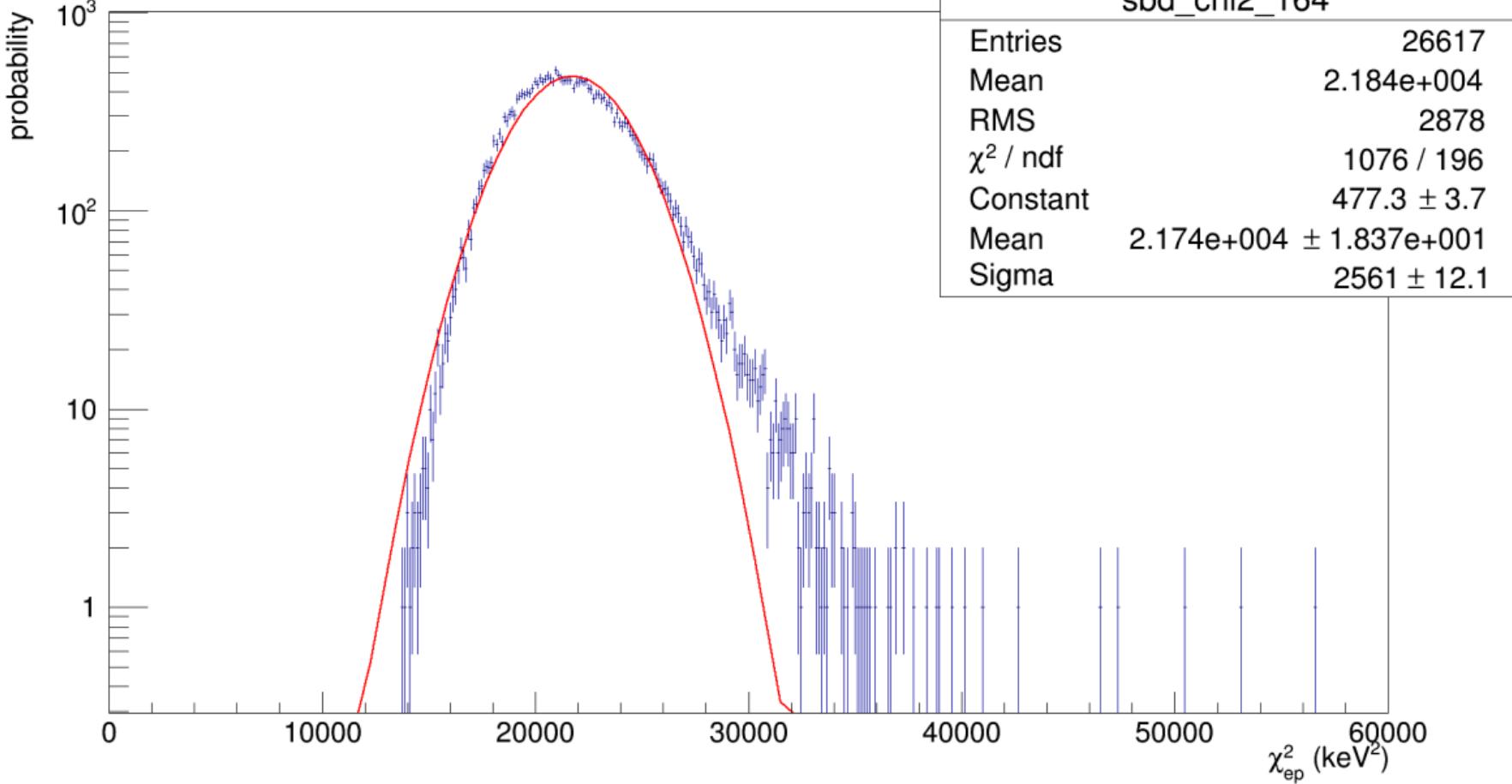


sbd_chi2_162	
Entries	26028
Mean	2.178e+004
RMS	2877
χ^2 / ndf	1069 / 189
Constant	465.7 ± 3.7
Mean	2.168e+004 ± 1.850e+001
Sigma	2567 ± 12.5

χ^2_{ep} from 163.00 keV to 164.00 keV

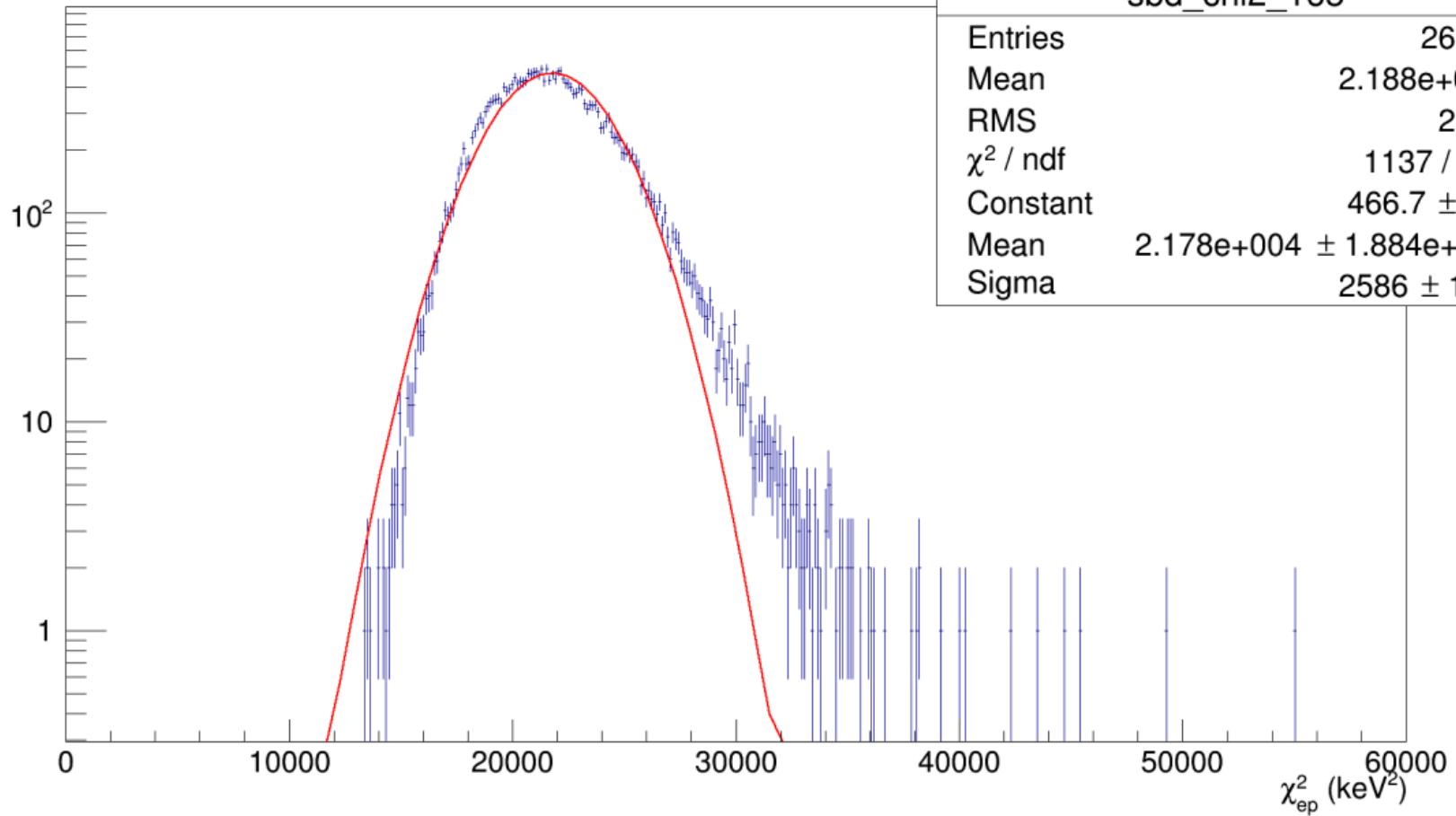


χ^2_{ep} from 164.00 keV to 165.00 keV



χ^2_{ep} from 165.00 keV to 166.00 keV

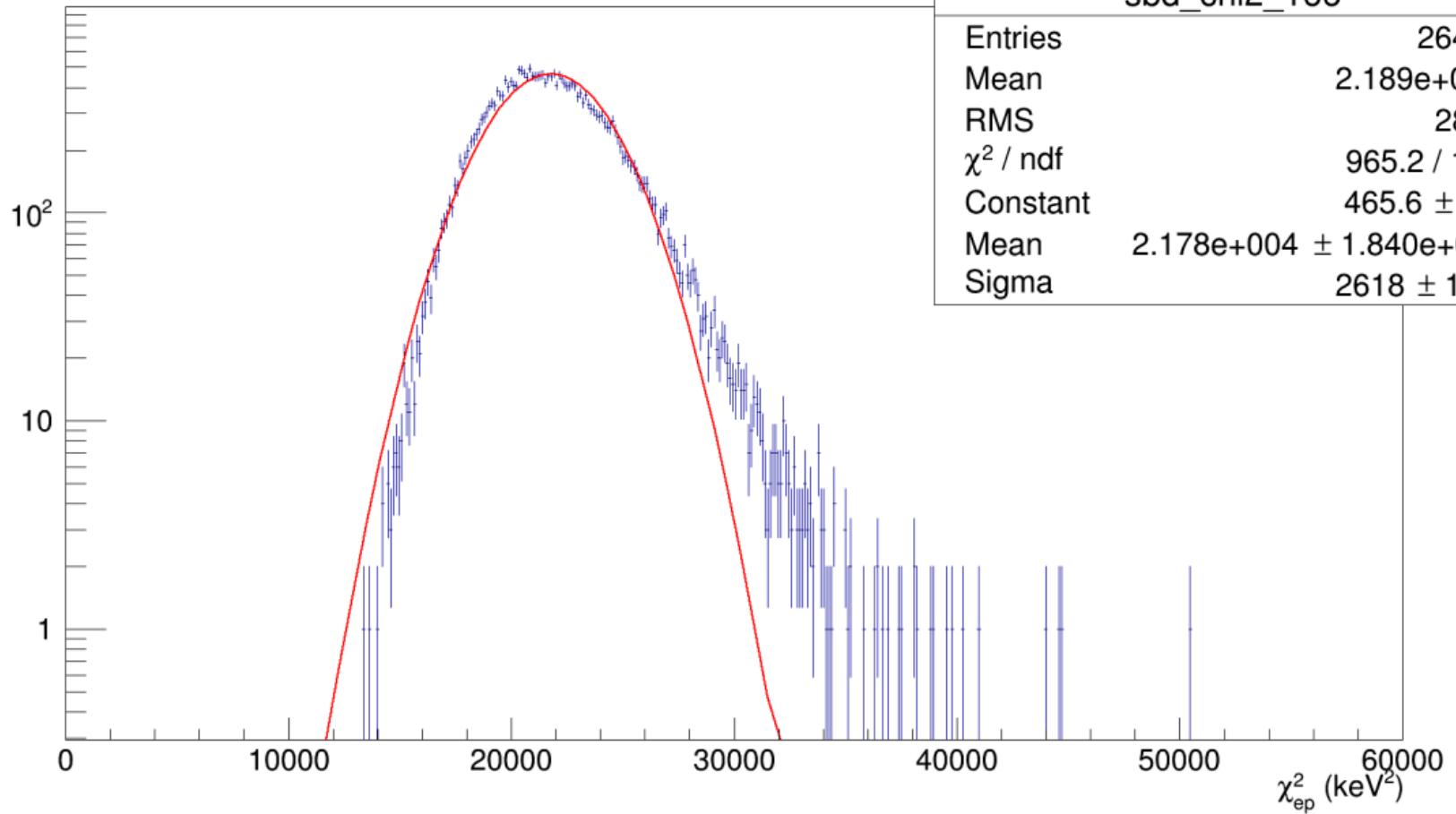
probability



sbd_chi2_165	
Entries	26343
Mean	2.188e+004
RMS	2899
χ^2 / ndf	1137 / 191
Constant	466.7 ± 3.7
Mean	2.178e+004 ± 1.884e+001
Sigma	2586 ± 12.4

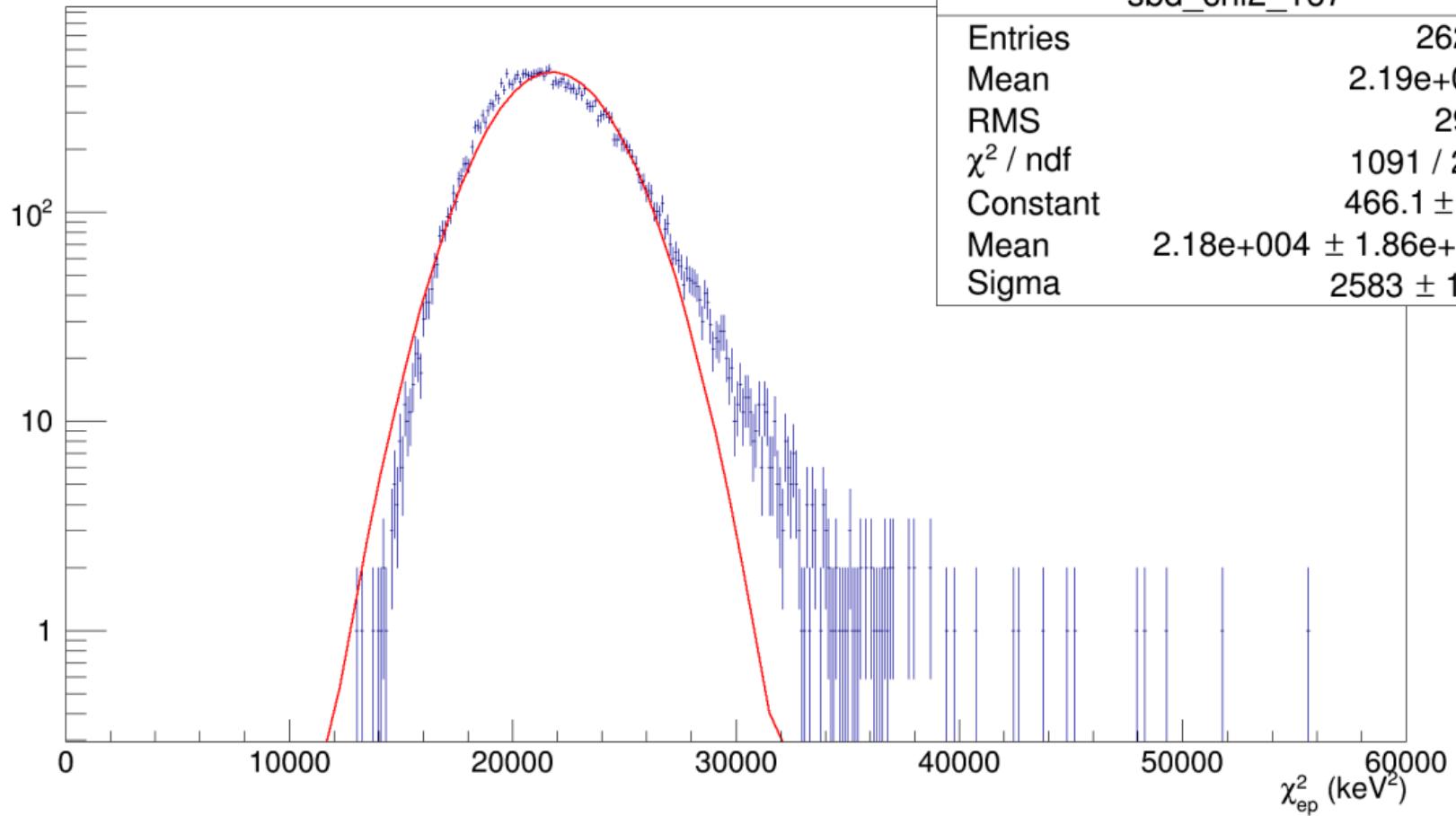
χ^2_{ep} from 166.00 keV to 167.00 keV

probability



χ^2_{ep} from 167.00 keV to 168.00 keV

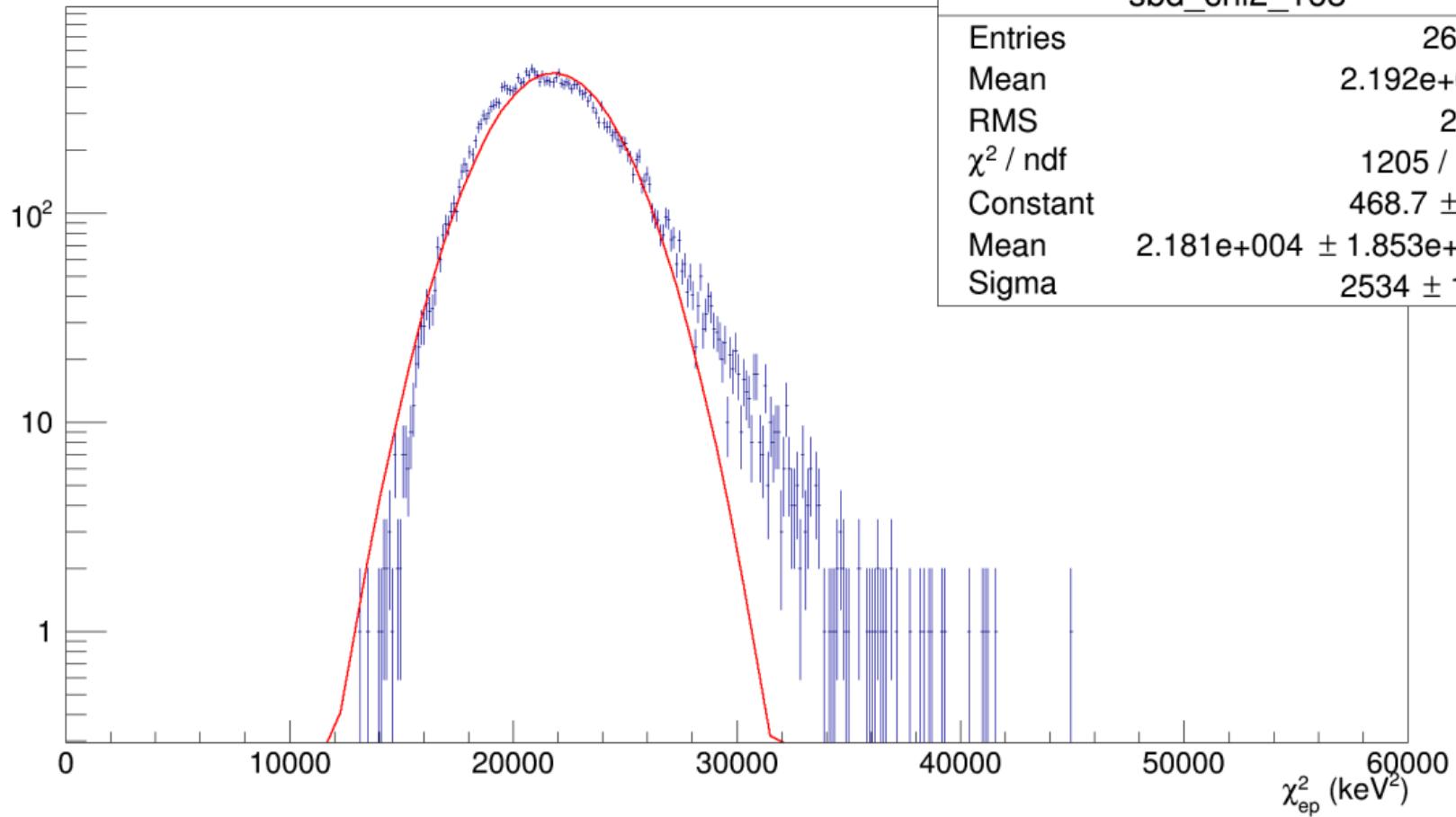
probability



sbd_chi2_167	
Entries	26228
Mean	2.19e+004
RMS	2917
χ^2 / ndf	1091 / 205
Constant	466.1 ± 3.7
Mean	2.18e+004 ± 1.86e+001
Sigma	2583 ± 12.2

χ^2_{ep} from 168.00 keV to 169.00 keV

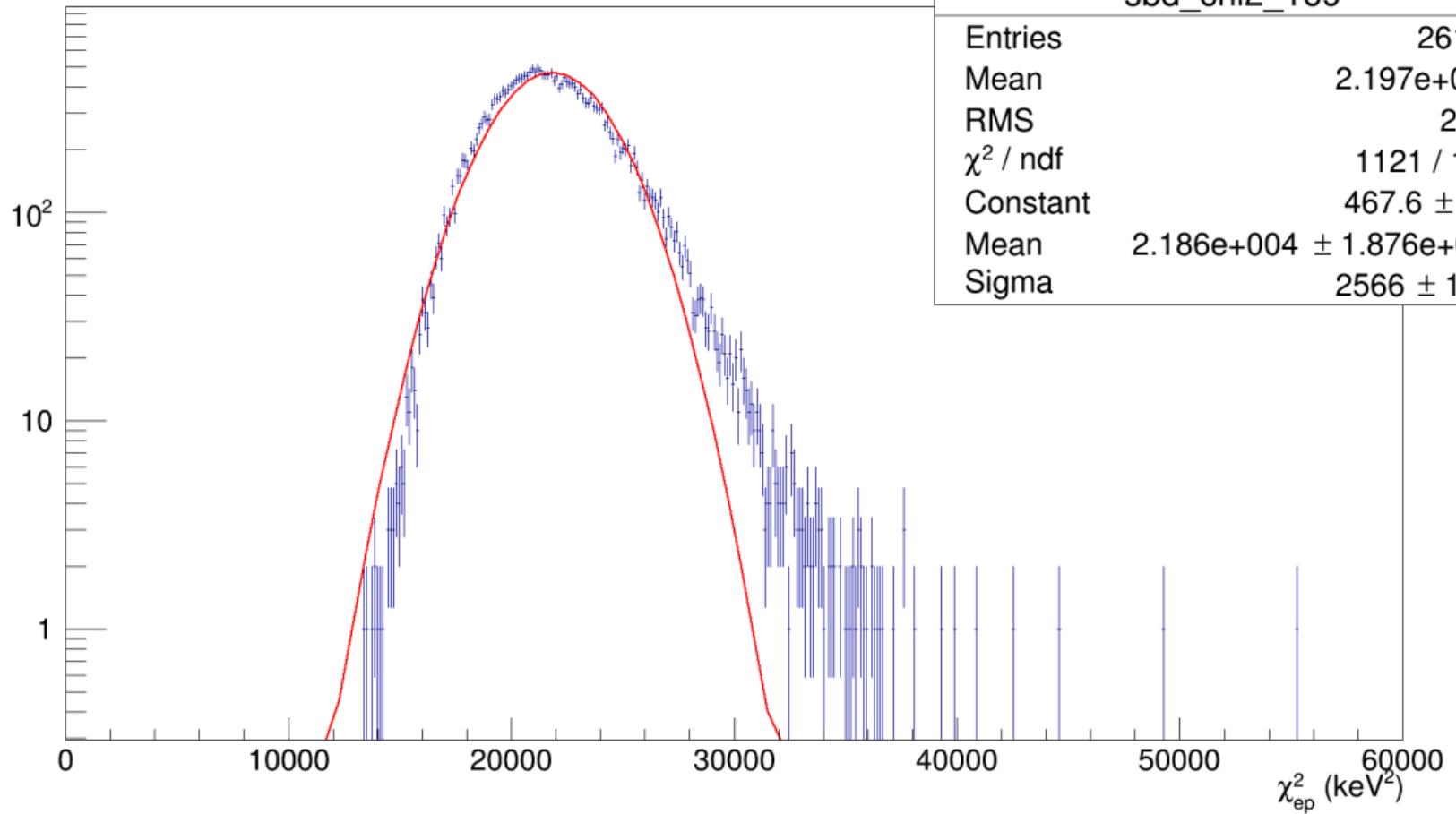
probability



sbd_chi2_168	
Entries	26013
Mean	2.192e+004
RMS	2885
χ^2 / ndf	1205 / 196
Constant	468.7 ± 3.7
Mean	2.181e+004 ± 1.853e+001
Sigma	2534 ± 11.8

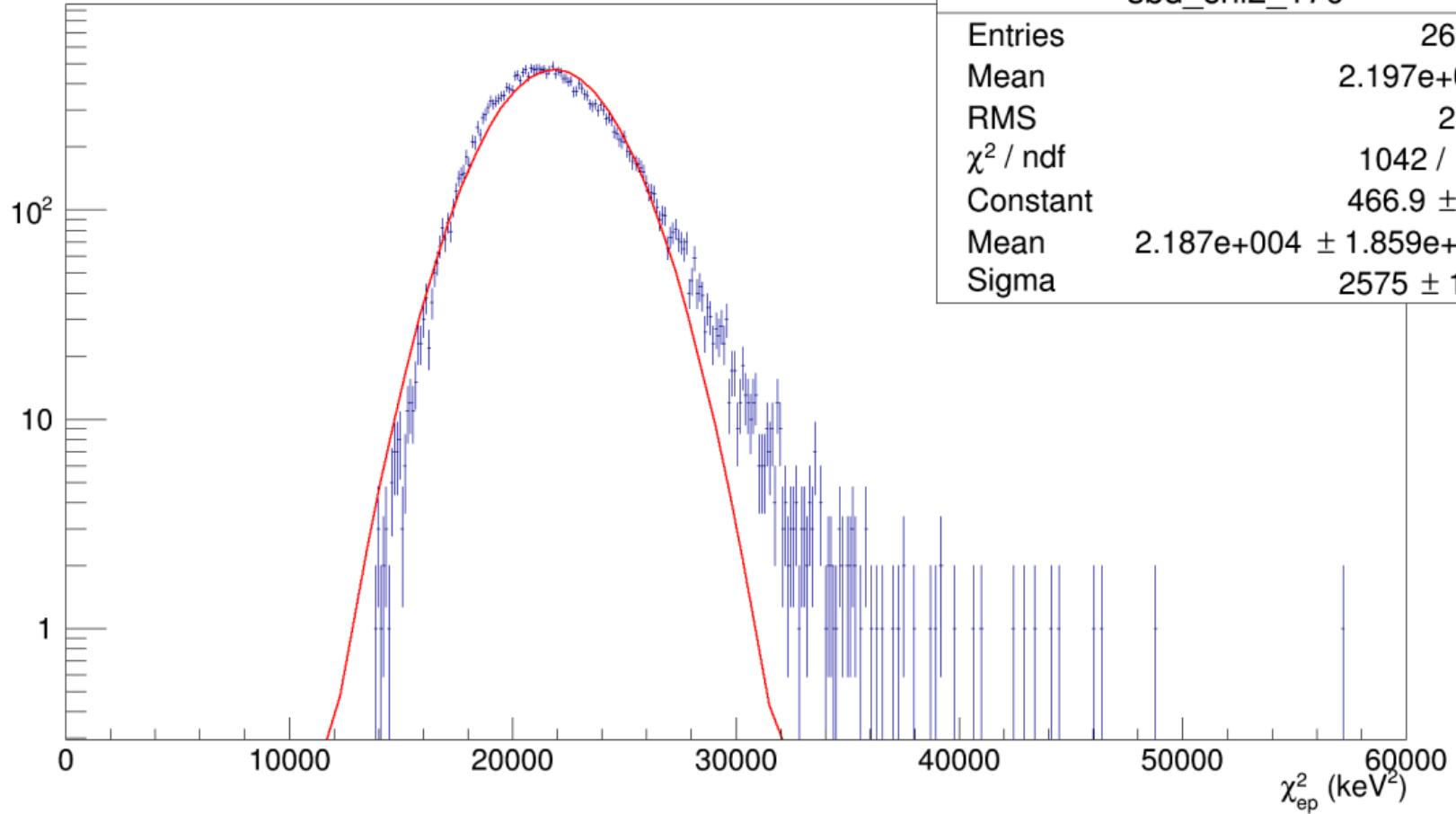
χ^2_{ep} from 169.00 keV to 170.00 keV

probability



χ^2_{ep} from 170.00 keV to 171.00 keV

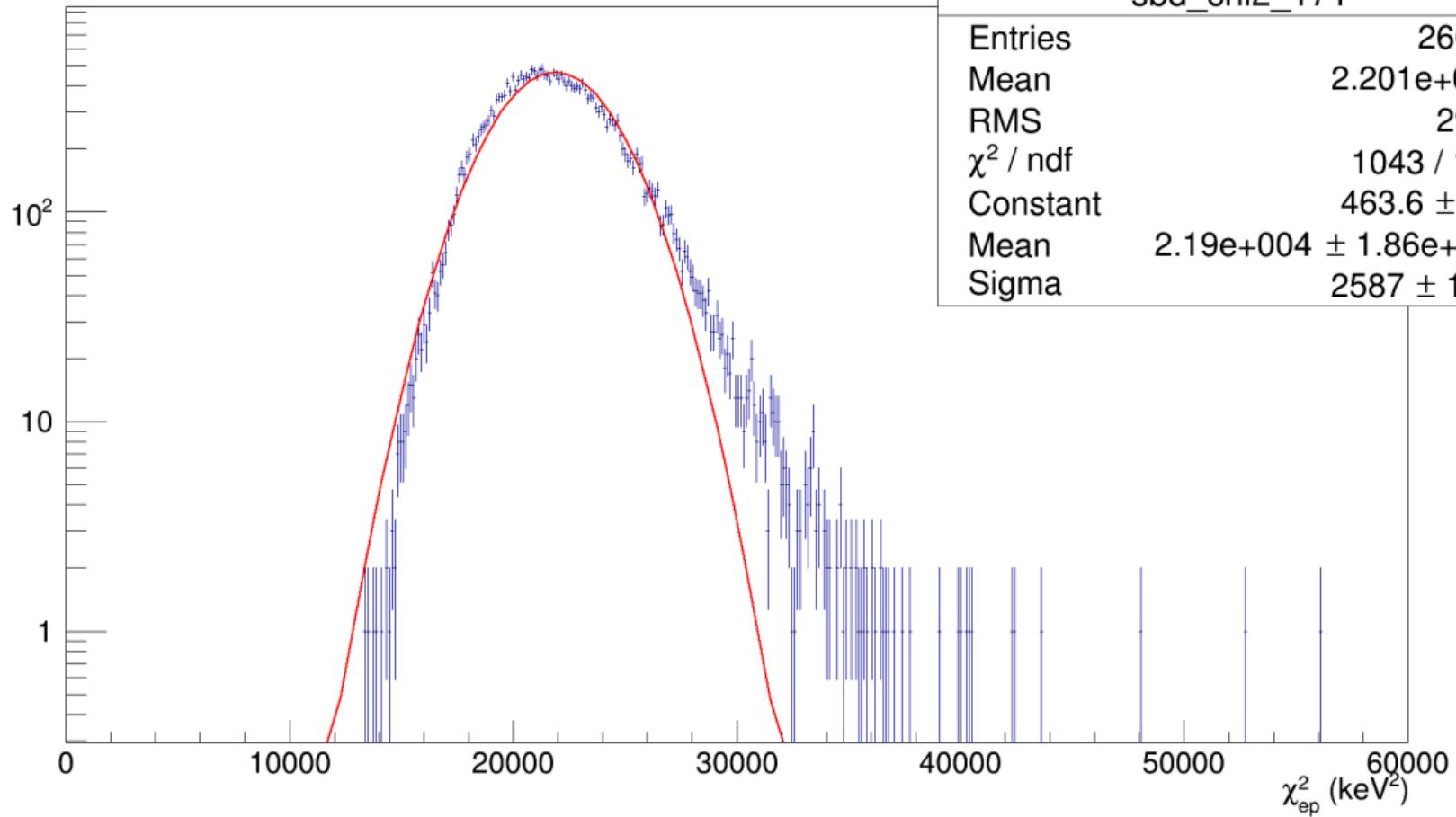
probability



sbd_chi2_170	
Entries	26156
Mean	2.197e+004
RMS	2897
χ^2 / ndf	1042 / 198
Constant	466.9 \pm 3.7
Mean	2.187e+004 \pm 1.859e+001
Sigma	2575 \pm 12.4

χ^2_{ep} from 171.00 keV to 172.00 keV

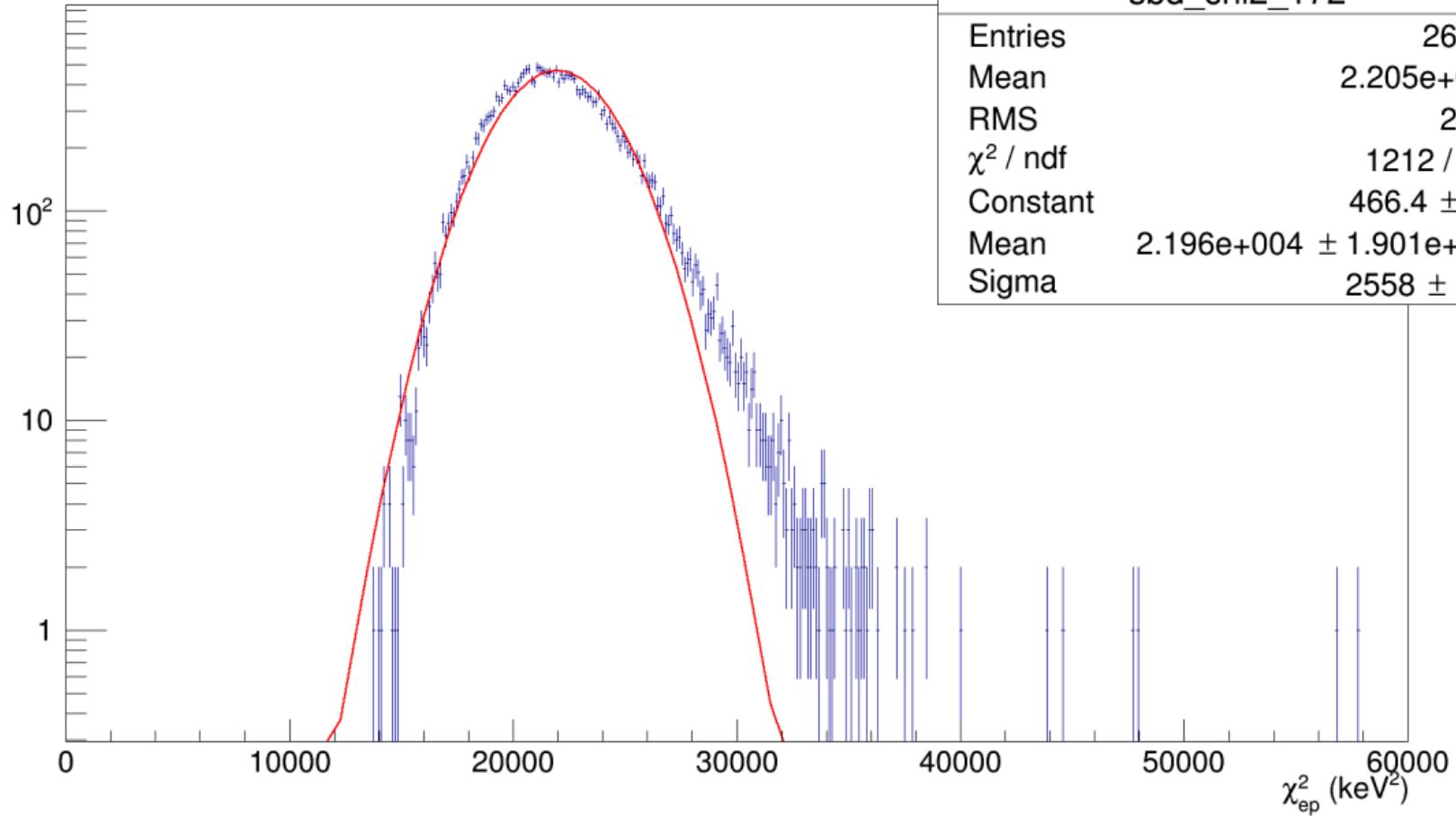
probability



sbd_chi2_171	
Entries	26085
Mean	2.201e+004
RMS	2905
χ^2 / ndf	1043 / 197
Constant	463.6 ± 3.7
Mean	2.19e+004 ± 1.86e+001
Sigma	2587 ± 12.4

χ^2_{ep} from 172.00 keV to 173.00 keV

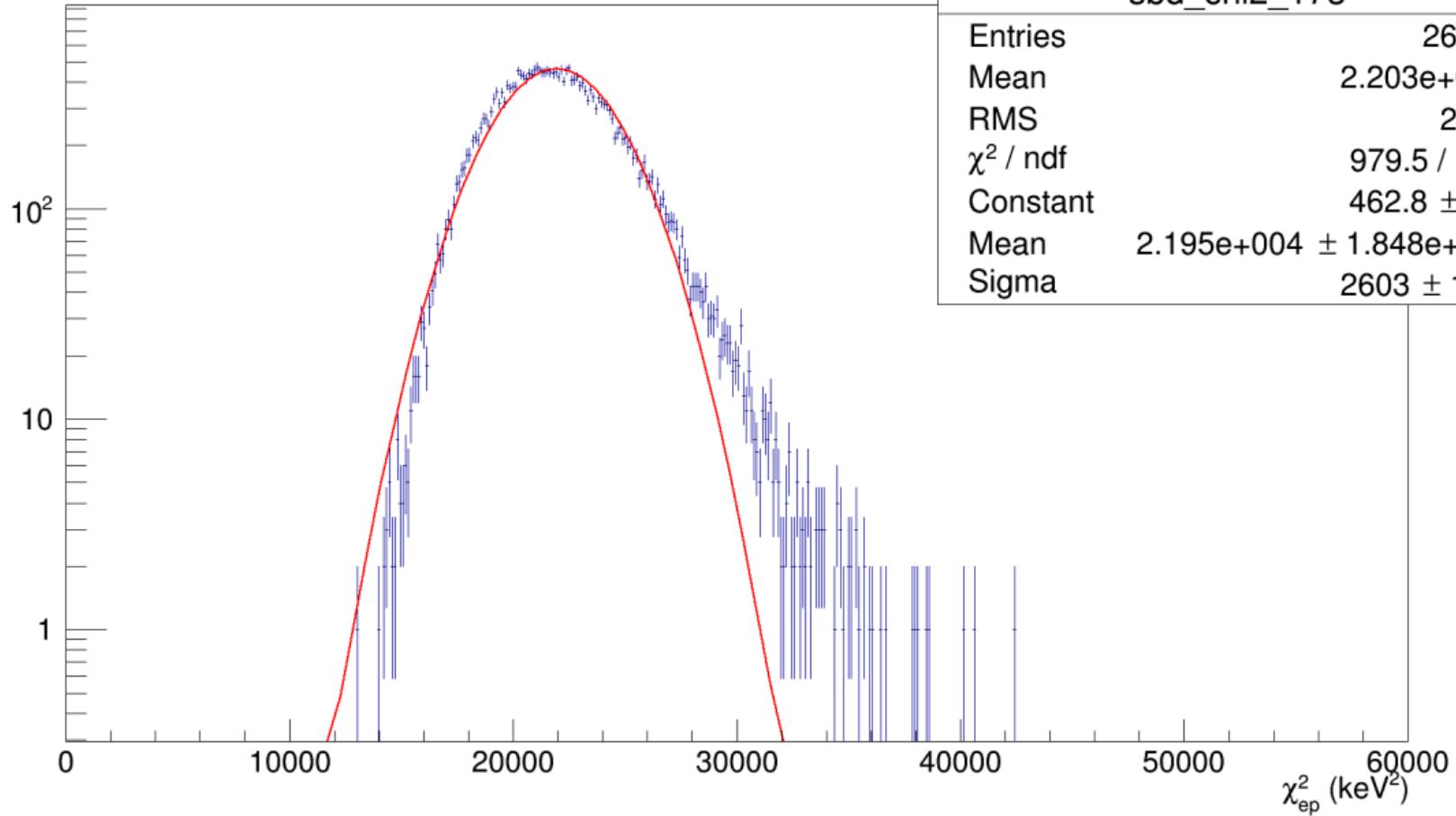
probability



sbd_chi2_172	
Entries	26134
Mean	2.205e+004
RMS	2905
χ^2 / ndf	1212 / 191
Constant	466.4 ± 3.7
Mean	2.196e+004 ± 1.901e+001
Sigma	2558 ± 12.1

χ^2_{ep} from 173.00 keV to 174.00 keV

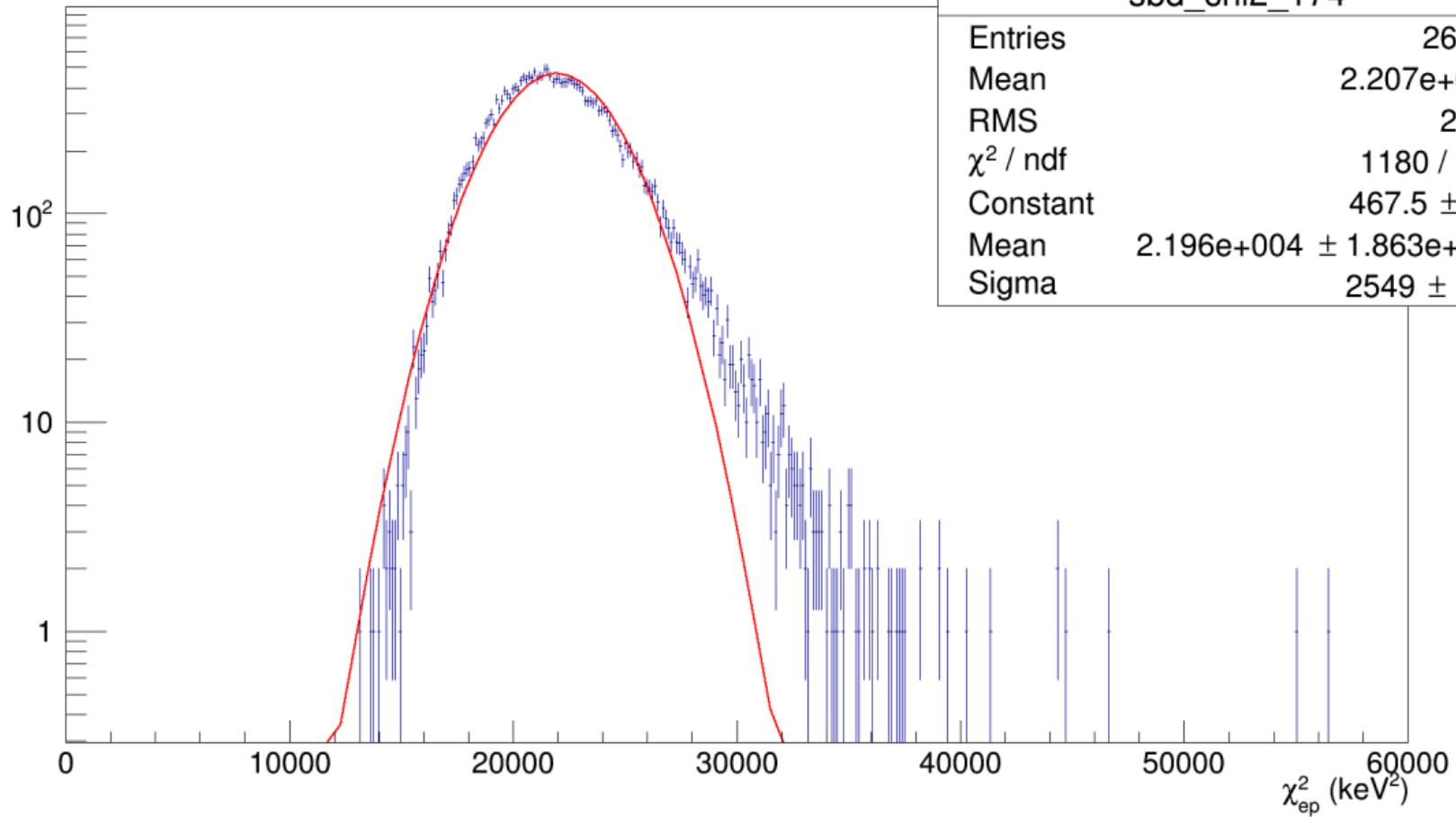
probability



sbd_chi2_173	
Entries	26120
Mean	2.203e+004
RMS	2859
χ^2 / ndf	979.5 / 184
Constant	462.8 ± 3.6
Mean	2.195e+004 ± 1.848e+001
Sigma	2603 ± 12.4

χ^2_{ep} from 174.00 keV to 175.00 keV

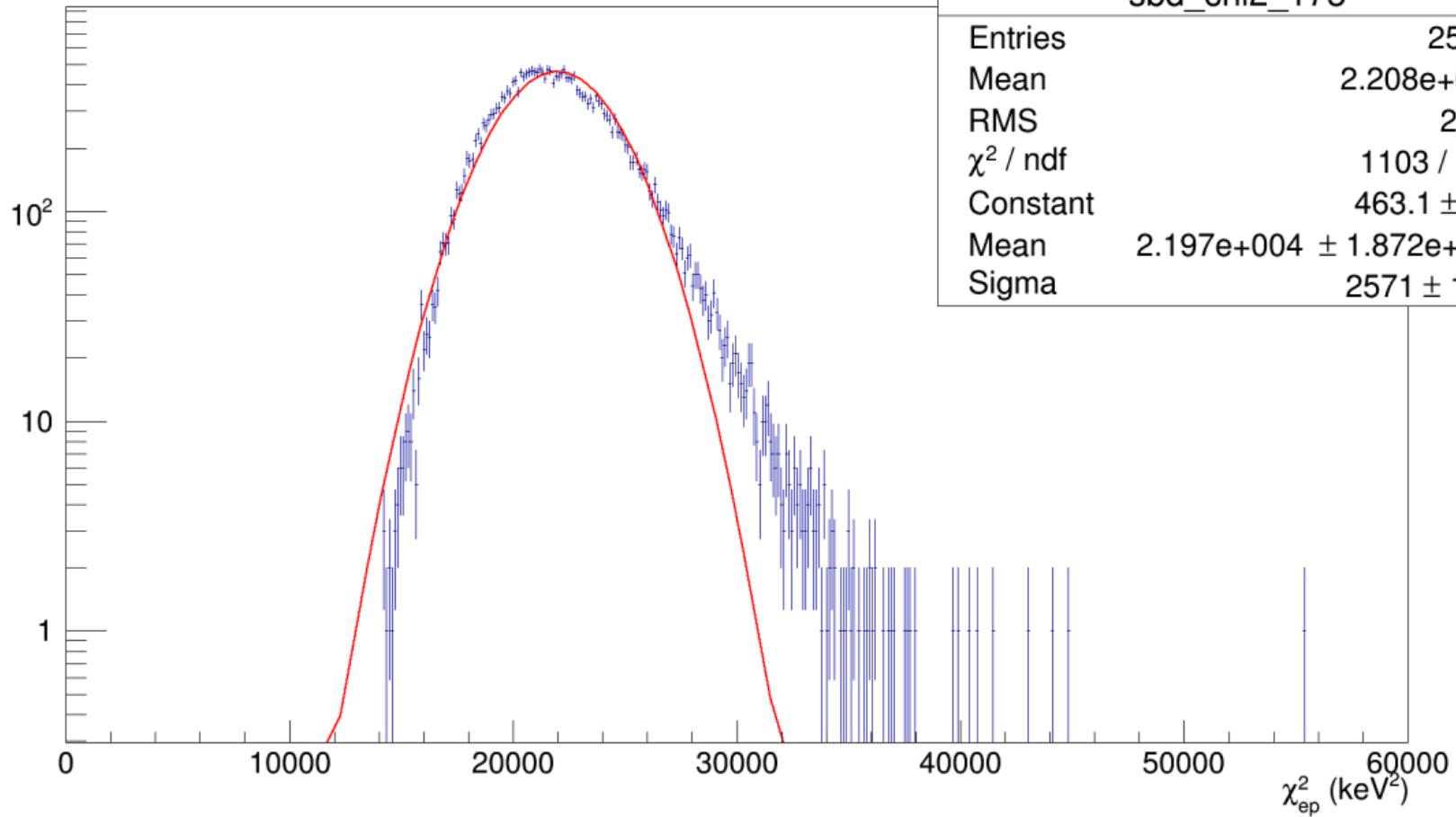
probability



sbd_chi2_174	
Entries	26073
Mean	2.207e+004
RMS	2918
χ^2 / ndf	1180 / 196
Constant	467.5 ± 3.7
Mean	2.196e+004 ± 1.863e+001
Sigma	2549 ± 12.1

χ^2_{ep} from 175.00 keV to 176.00 keV

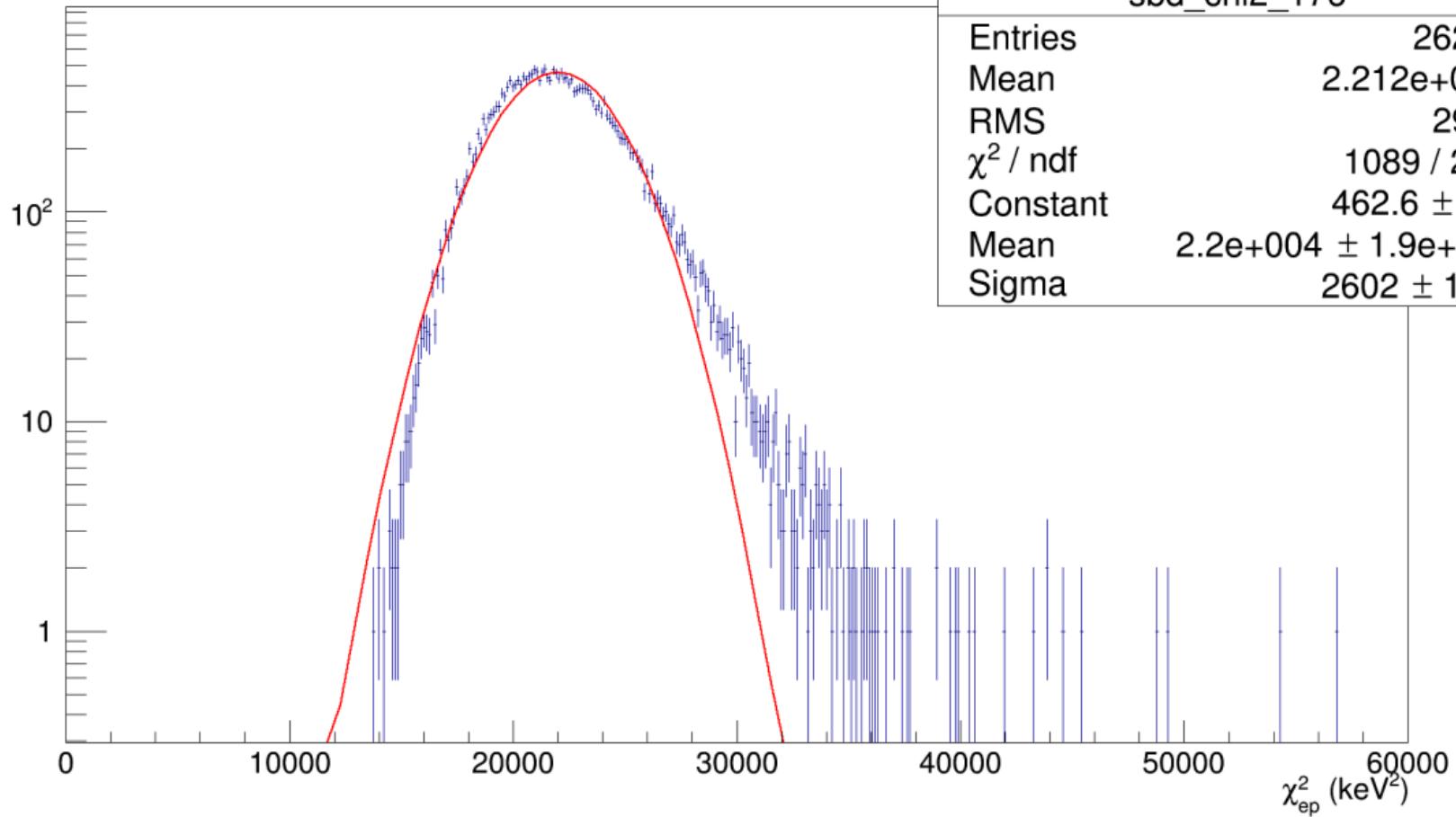
probability



sbd_chi2_175	
Entries	25961
Mean	2.208e+004
RMS	2888
χ^2 / ndf	1103 / 195
Constant	463.1 ± 3.7
Mean	2.197e+004 ± 1.872e+001
Sigma	2571 ± 12.6

χ^2_{ep} from 176.00 keV to 177.00 keV

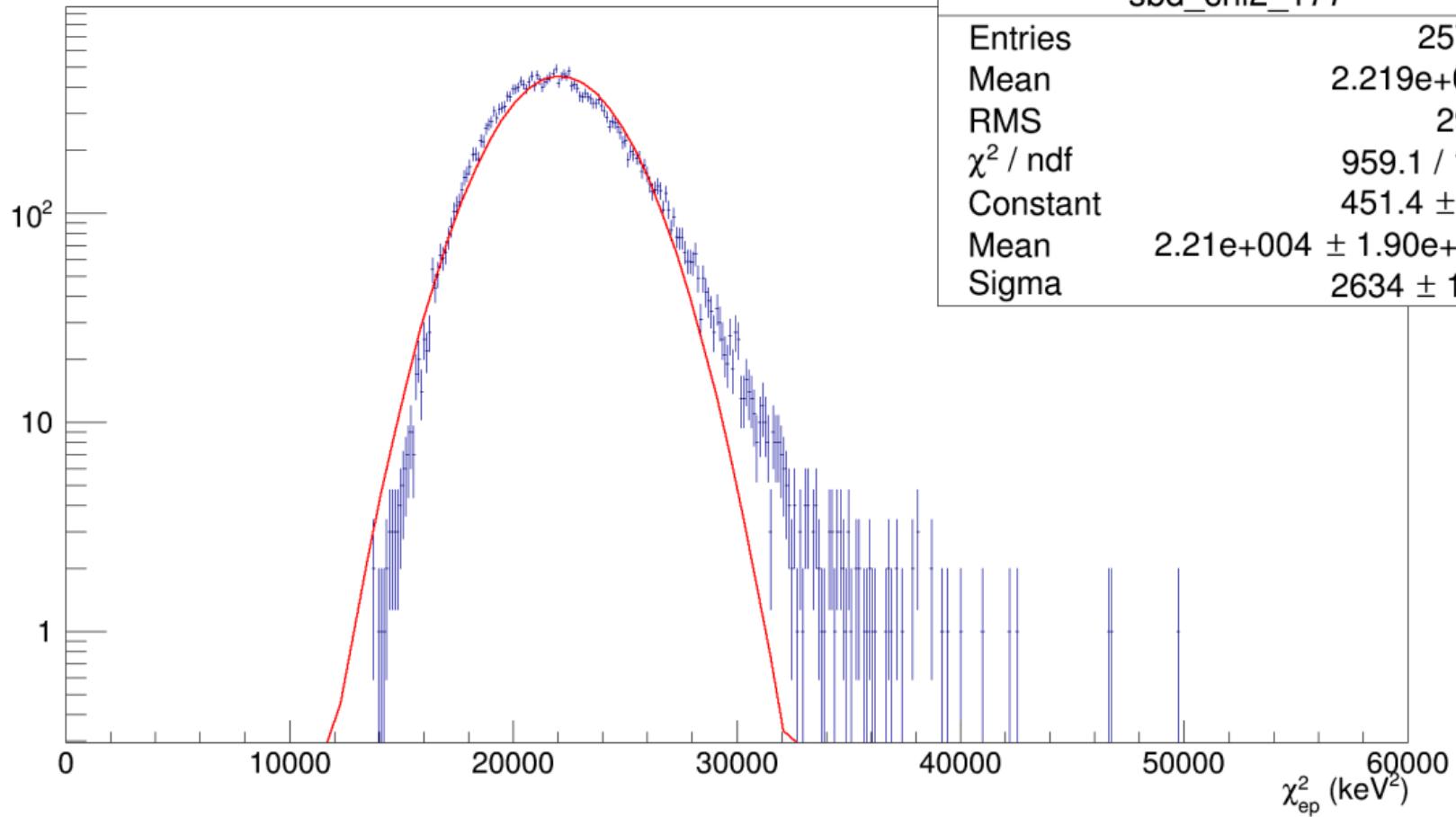
probability



sbd_chi2_176	
Entries	26217
Mean	2.212e+004
RMS	2937
χ^2 / ndf	1089 / 200
Constant	462.6 ± 3.7
Mean	2.2e+004 ± 1.9e+001
Sigma	2602 ± 12.7

χ^2_{ep} from 177.00 keV to 178.00 keV

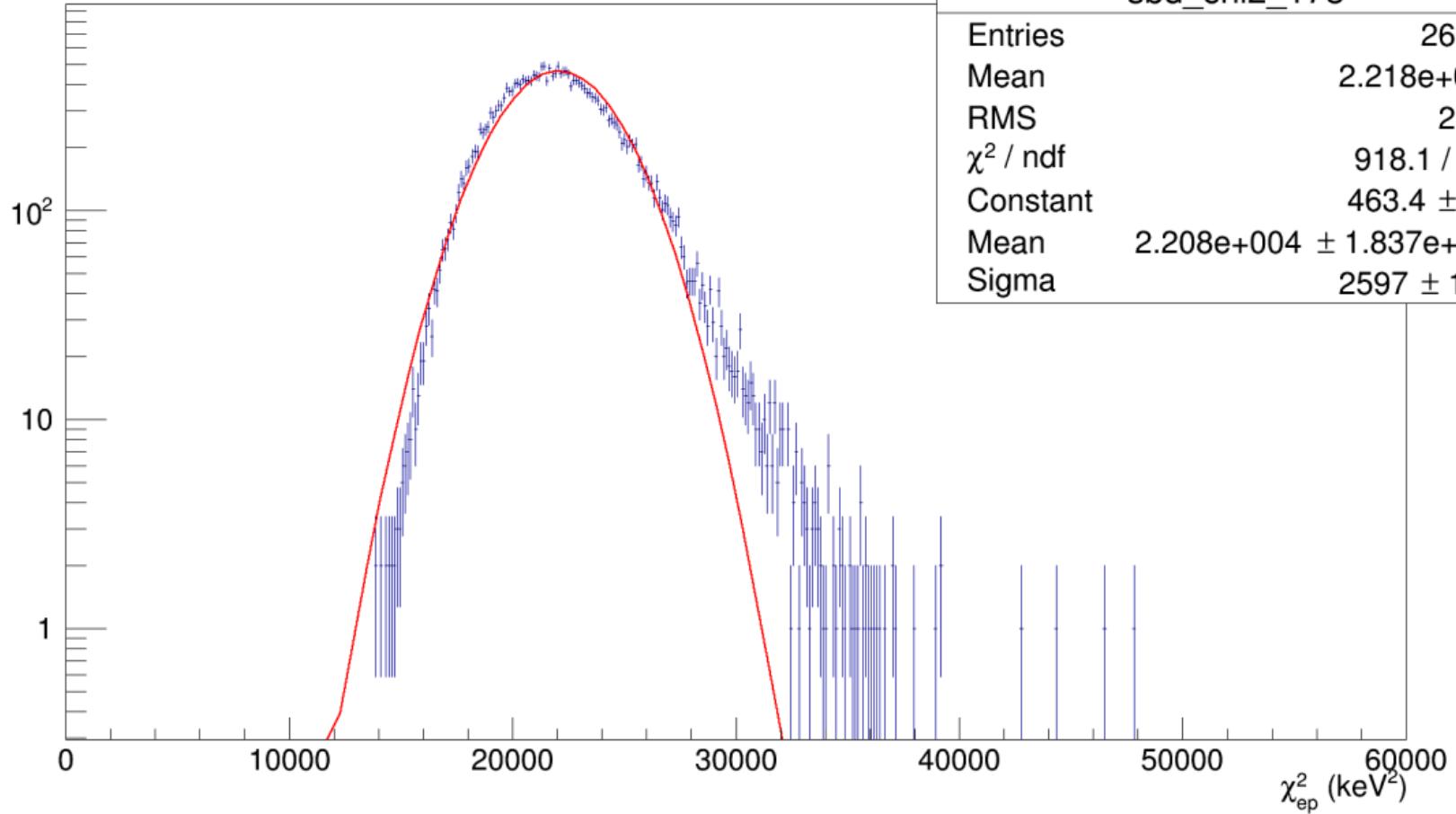
probability



sbd_chi2_177	
Entries	25793
Mean	2.219e+004
RMS	2919
χ^2 / ndf	959.1 / 197
Constant	451.4 ± 3.6
Mean	2.21e+004 ± 1.90e+001
Sigma	2634 ± 12.6

χ^2_{ep} from 178.00 keV to 179.00 keV

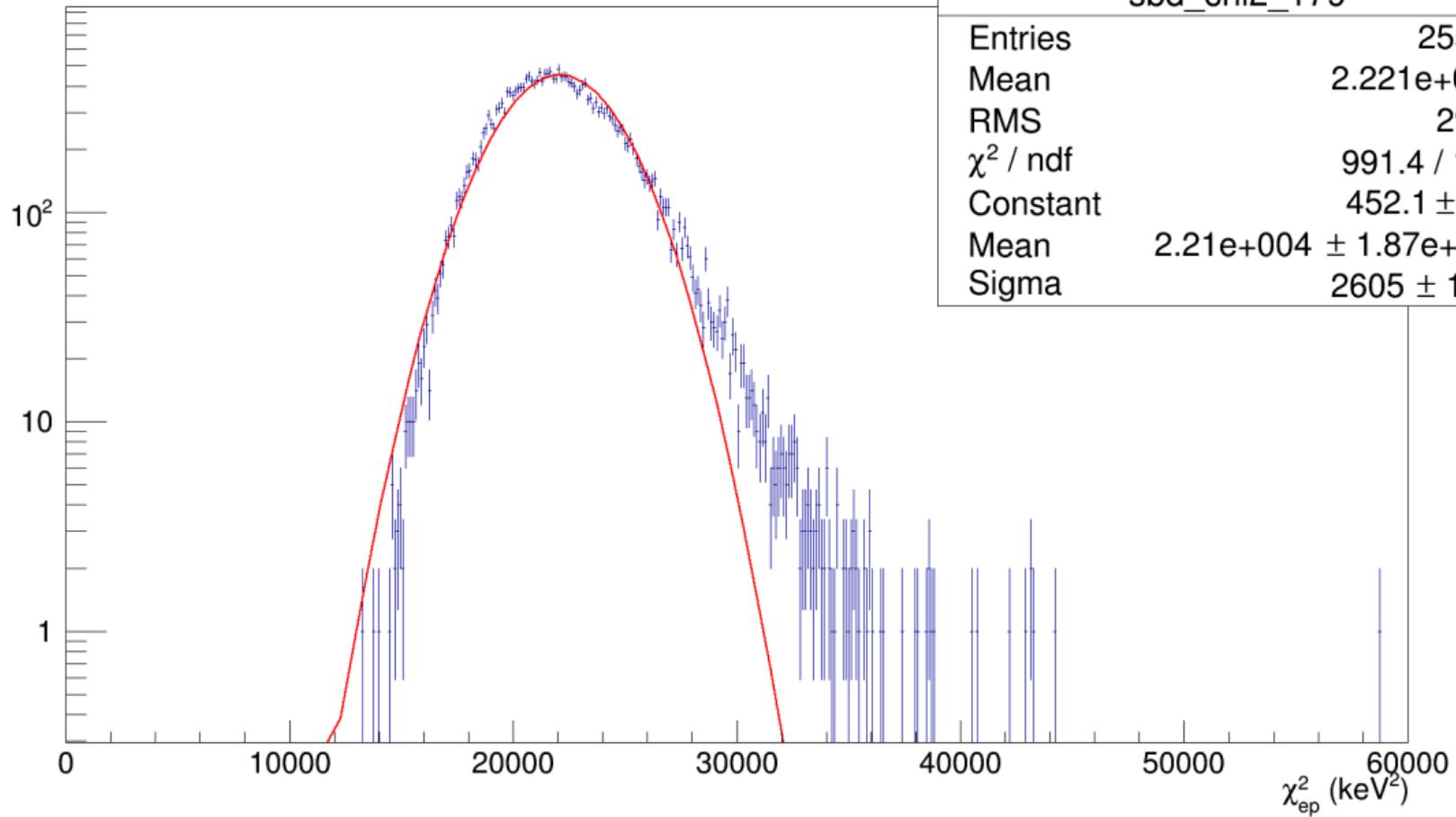
probability



sbd_chi2_178	
Entries	26037
Mean	2.218e+004
RMS	2870
χ^2 / ndf	918.1 / 191
Constant	463.4 ± 3.7
Mean	2.208e+004 ± 1.837e+001
Sigma	2597 ± 12.5

χ^2_{ep} from 179.00 keV to 180.00 keV

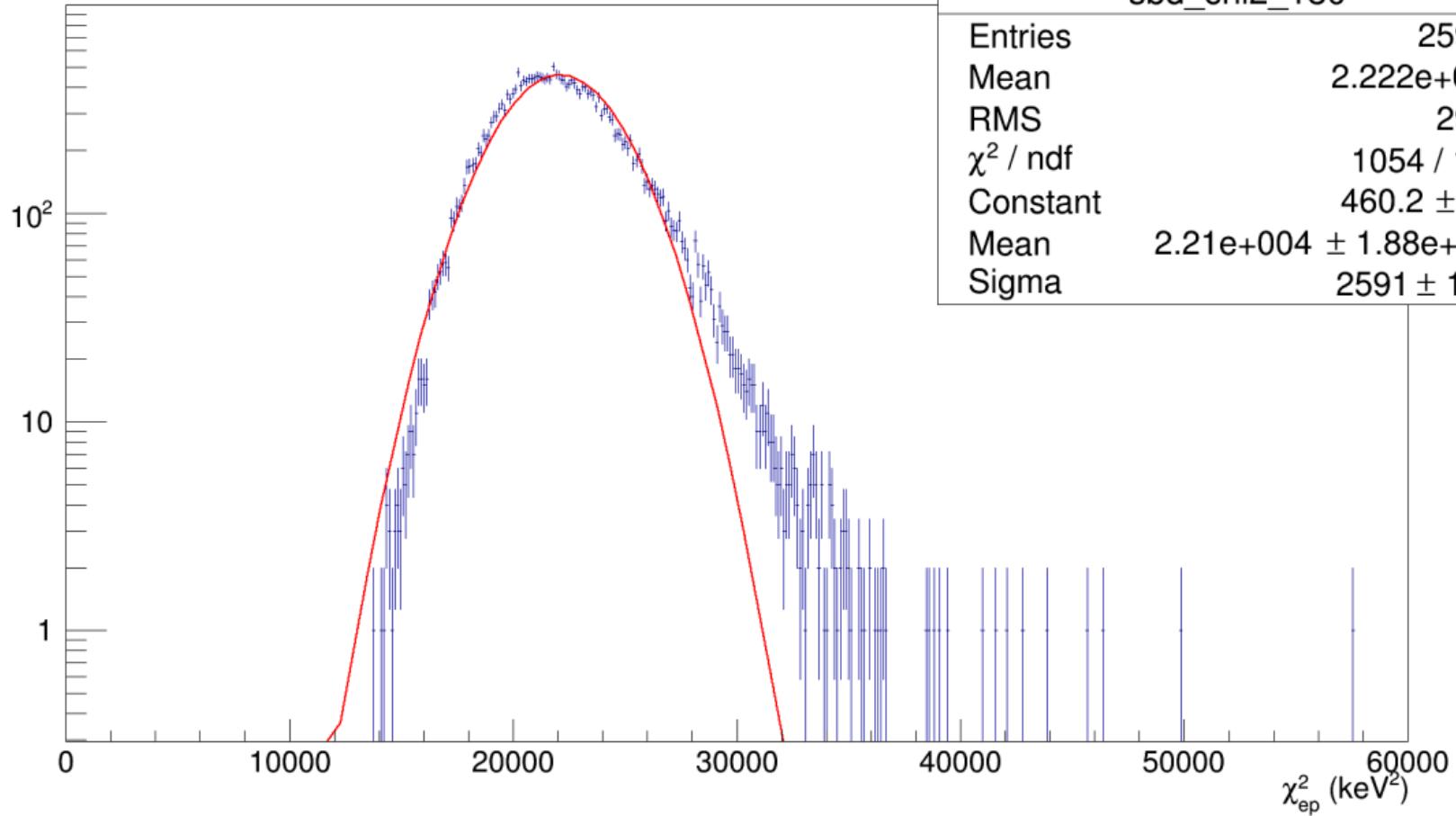
probability



sbd_chi2_179	
Entries	25578
Mean	2.221e+004
RMS	2913
χ^2 / ndf	991.4 / 196
Constant	452.1 \pm 3.6
Mean	2.21e+004 \pm 1.87e+001
Sigma	2605 \pm 12.6

χ^2_{ep} from 180.00 keV to 181.00 keV

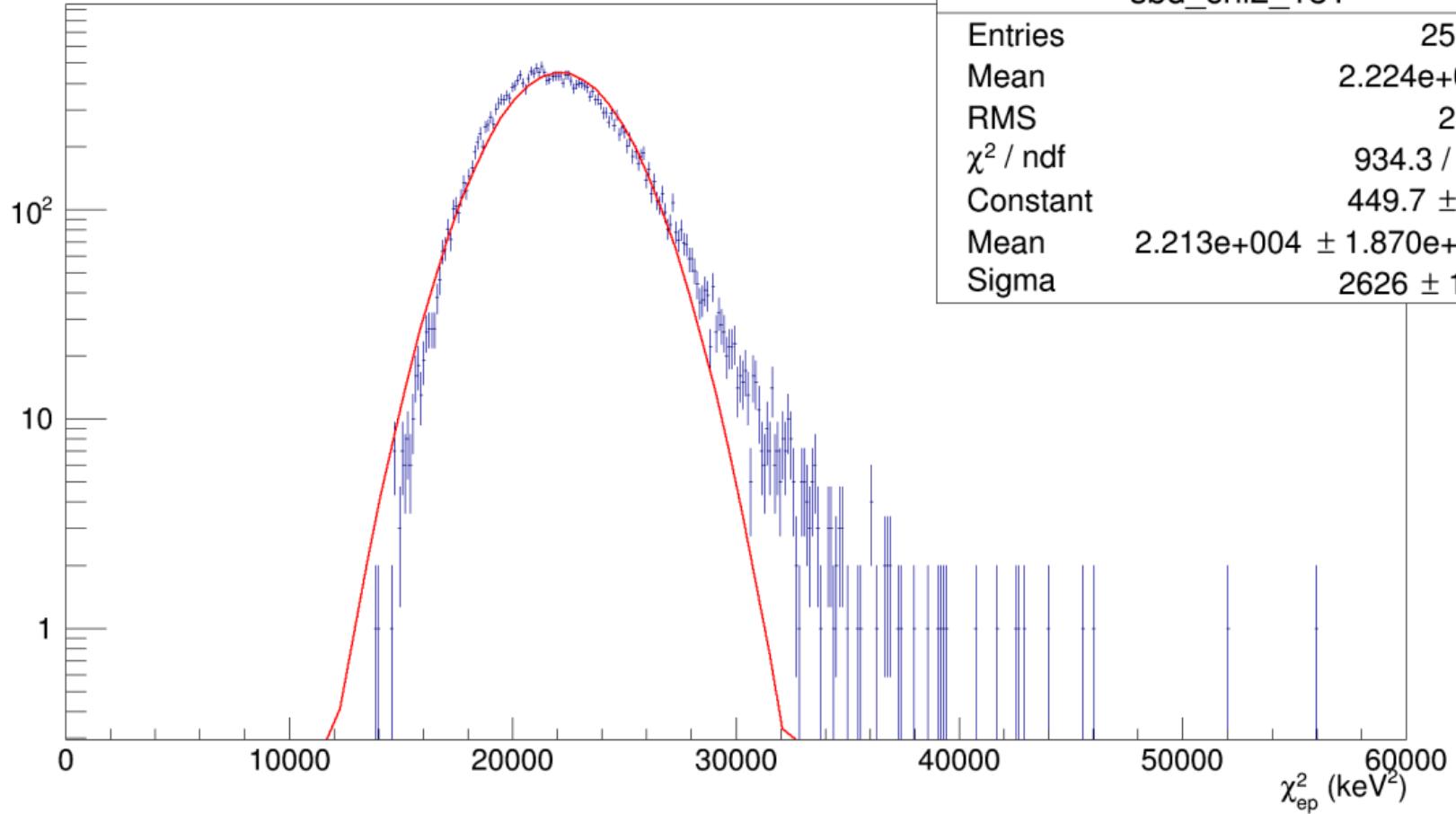
probability



sbd_chi2_180	
Entries	25954
Mean	2.222e+004
RMS	2914
χ^2 / ndf	1054 / 197
Constant	460.2 ± 3.7
Mean	2.21e+004 ± 1.88e+001
Sigma	2591 ± 12.6

χ^2_{ep} from 181.00 keV to 182.00 keV

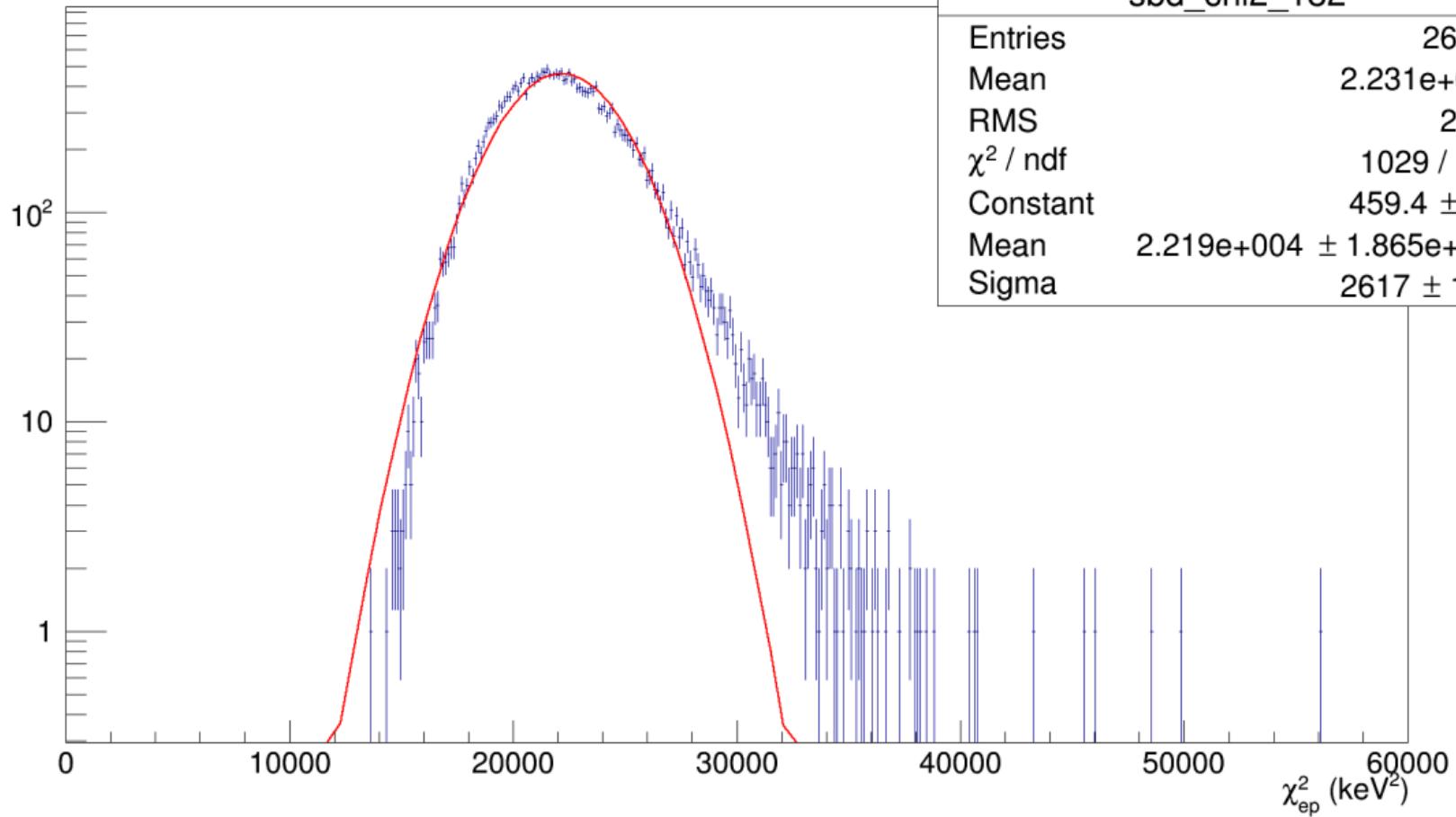
probability



sbd_chi2_181	
Entries	25569
Mean	2.224e+004
RMS	2909
χ^2 / ndf	934.3 / 191
Constant	449.7 ± 3.6
Mean	2.213e+004 ± 1.870e+001
Sigma	2626 ± 13.0

χ^2_{ep} from 182.00 keV to 183.00 keV

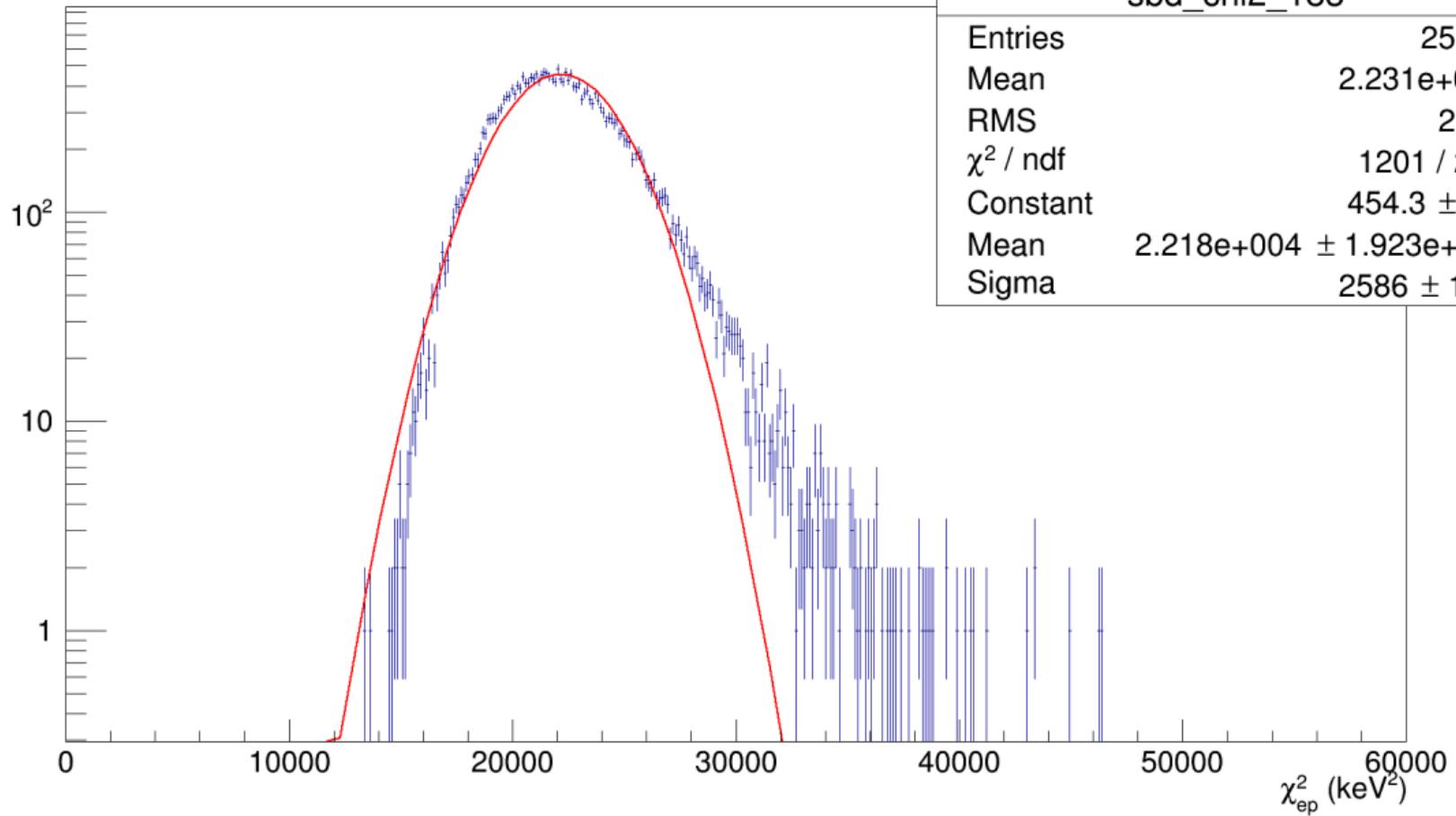
probability



sbd_chi2_182	
Entries	26119
Mean	2.231e+004
RMS	2934
χ^2 / ndf	1029 / 196
Constant	459.4 ± 3.7
Mean	2.219e+004 ± 1.865e+001
Sigma	2617 ± 12.8

χ^2_{ep} from 183.00 keV to 184.00 keV

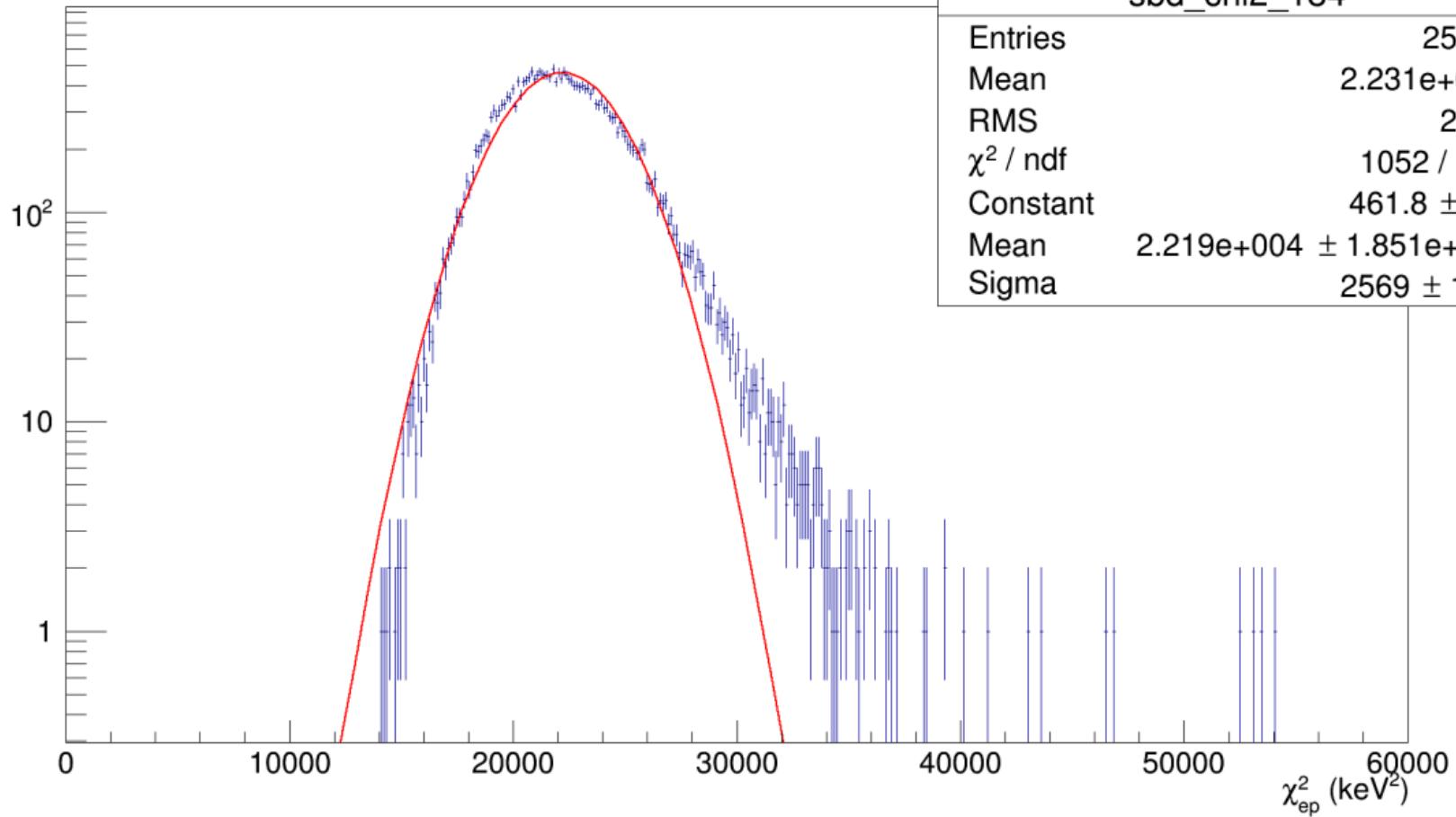
probability



sbd_chi2_183	
Entries	25736
Mean	2.231e+004
RMS	2952
χ^2 / ndf	1201 / 202
Constant	454.3 ± 3.6
Mean	2.218e+004 ± 1.923e+001
Sigma	2586 ± 12.6

χ^2_{ep} from 184.00 keV to 185.00 keV

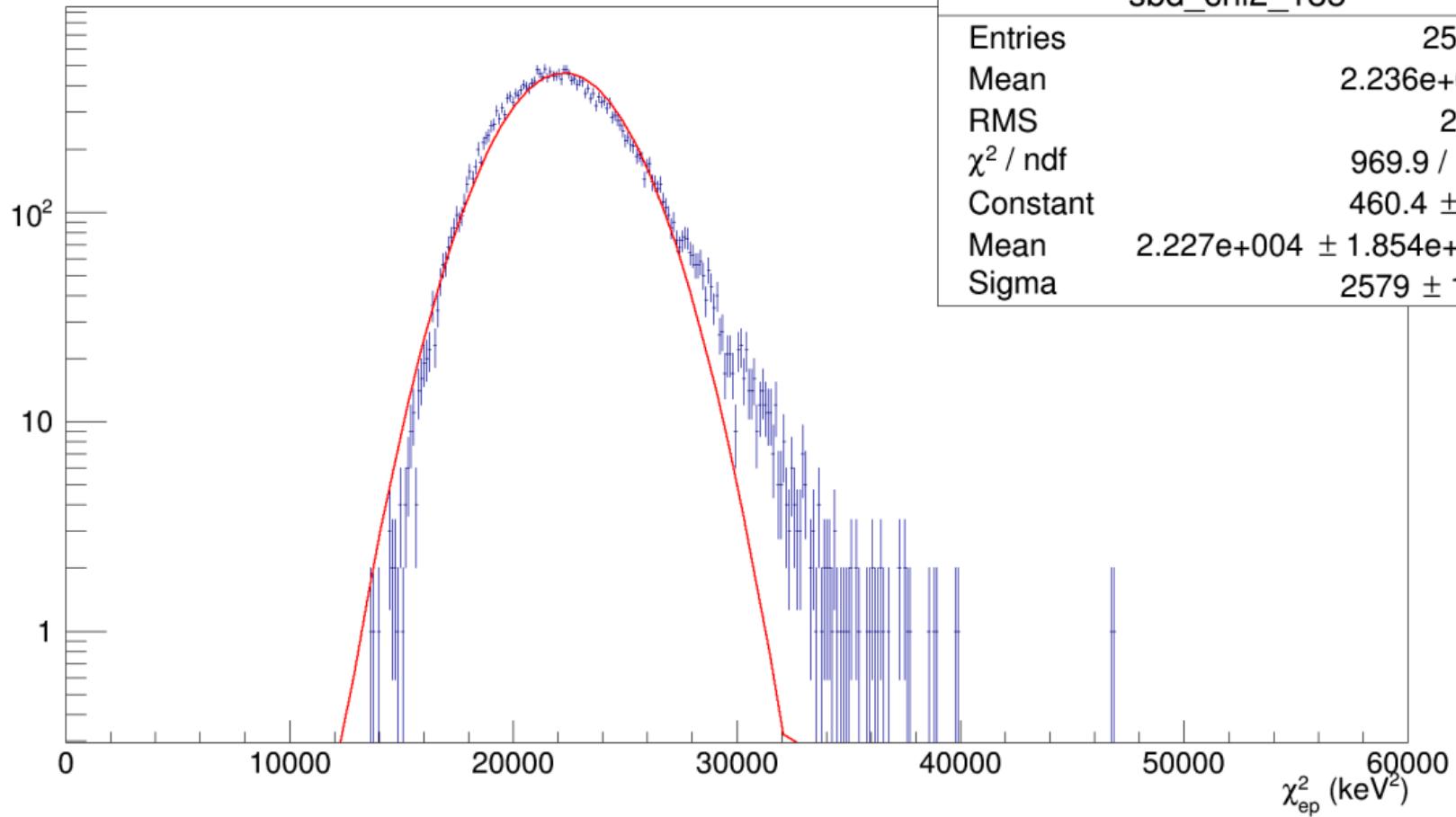
probability



sbd_chi2_184	
Entries	25822
Mean	2.231e+004
RMS	2913
χ^2 / ndf	1052 / 193
Constant	461.8 ± 3.7
Mean	2.219e+004 ± 1.851e+001
Sigma	2569 ± 12.2

χ^2_{ep} from 185.00 keV to 186.00 keV

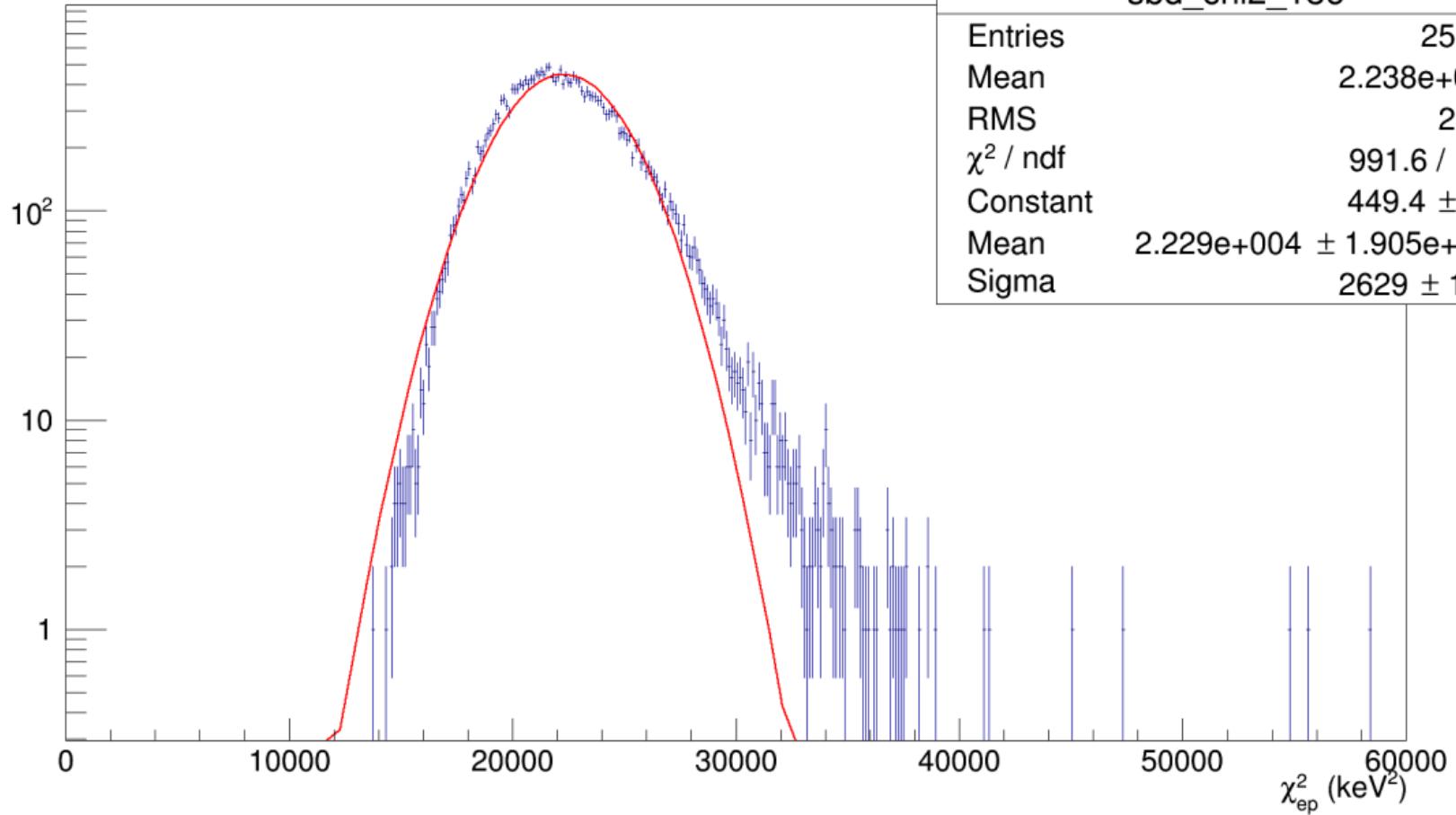
probability



sbd_chi2_185	
Entries	25768
Mean	2.236e+004
RMS	2867
χ^2 / ndf	969.9 / 193
Constant	460.4 ± 3.6
Mean	2.227e+004 ± 1.854e+001
Sigma	2579 ± 12.2

χ^2_{ep} from 186.00 keV to 187.00 keV

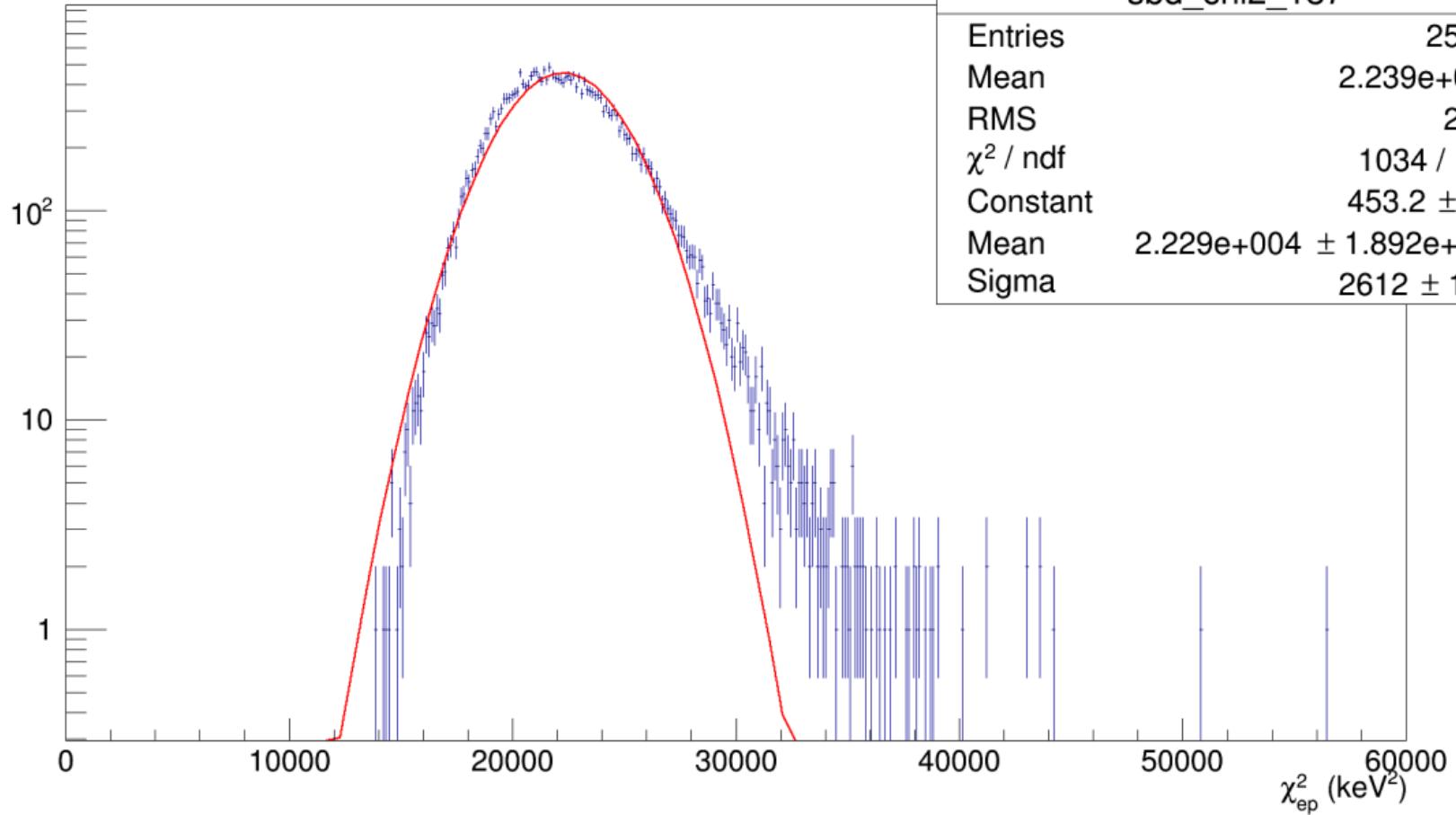
probability



sbd_chi2_186	
Entries	25652
Mean	2.238e+004
RMS	2917
χ^2 / ndf	991.6 / 195
Constant	449.4 ± 3.6
Mean	2.229e+004 ± 1.905e+001
Sigma	2629 ± 13.0

χ^2_{ep} from 187.00 keV to 188.00 keV

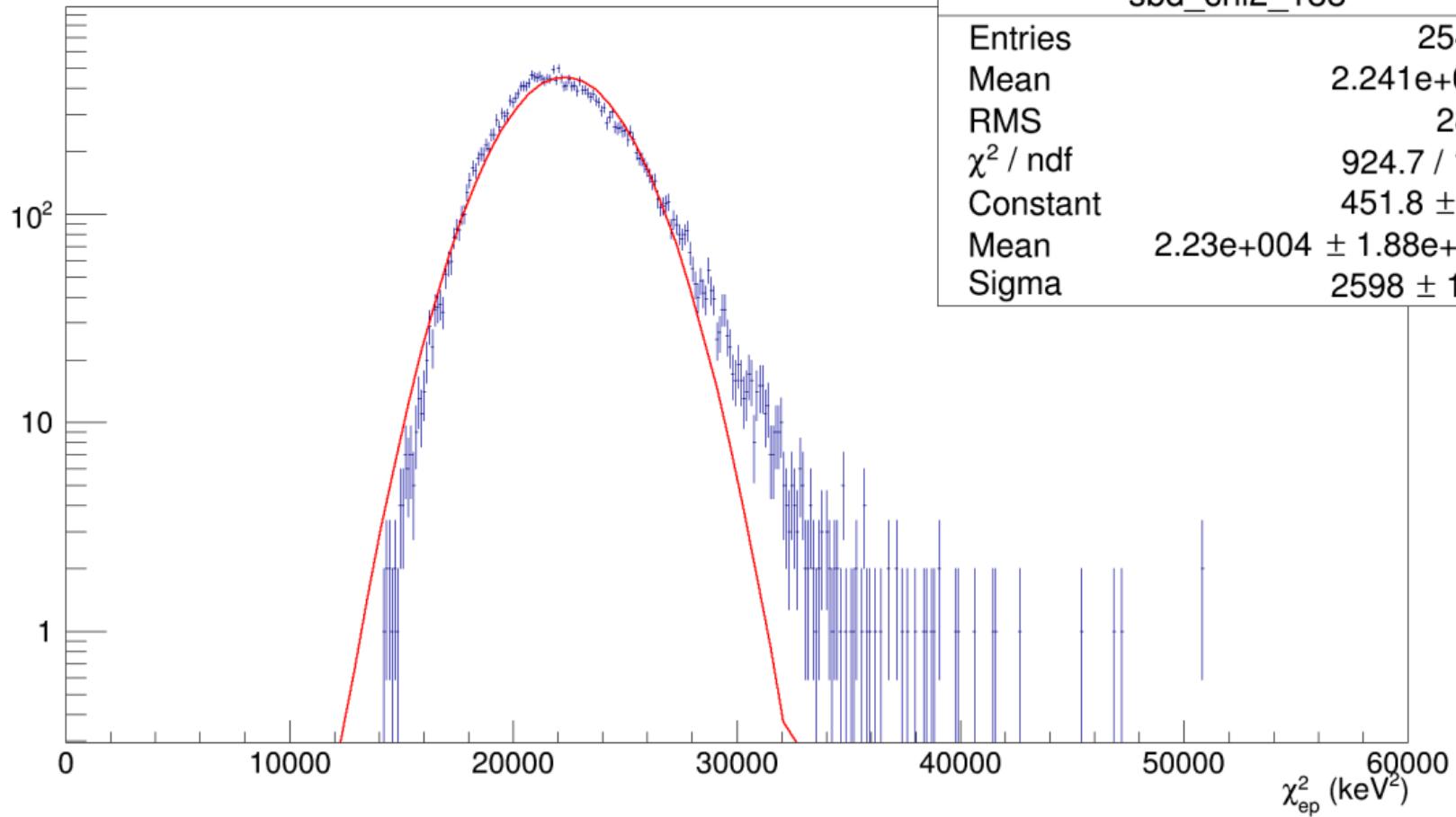
probability



sbd_chi2_187	
Entries	25741
Mean	2.239e+004
RMS	2941
χ^2 / ndf	1034 / 199
Constant	453.2 ± 3.6
Mean	2.229e+004 ± 1.892e+001
Sigma	2612 ± 12.5

χ^2_{ep} from 188.00 keV to 189.00 keV

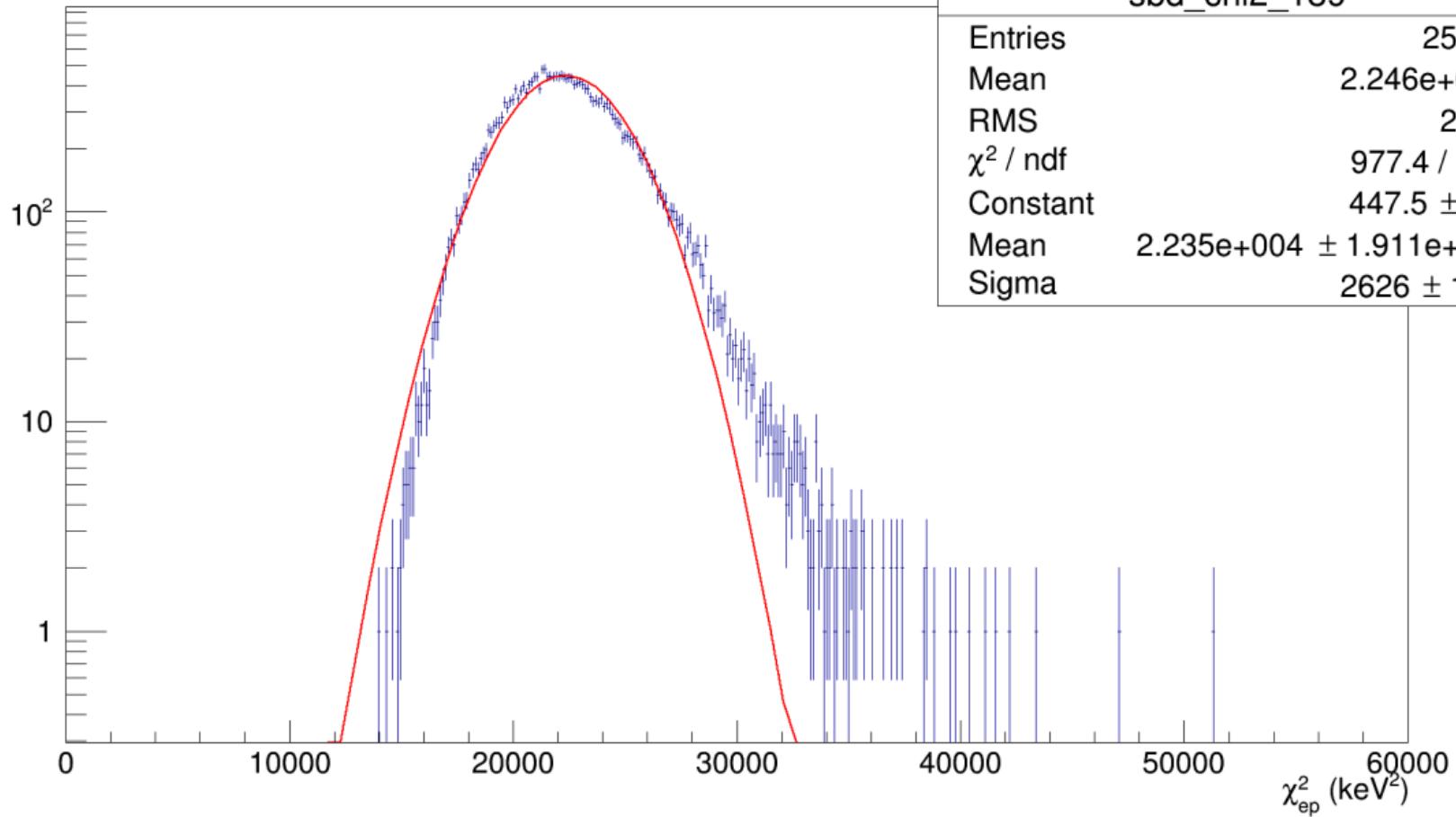
probability



sbd_chi2_188	
Entries	25433
Mean	2.241e+004
RMS	2890
χ^2 / ndf	924.7 / 198
Constant	451.8 ± 3.6
Mean	2.23e+004 ± 1.88e+001
Sigma	2598 ± 12.6

χ^2_{ep} from 189.00 keV to 190.00 keV

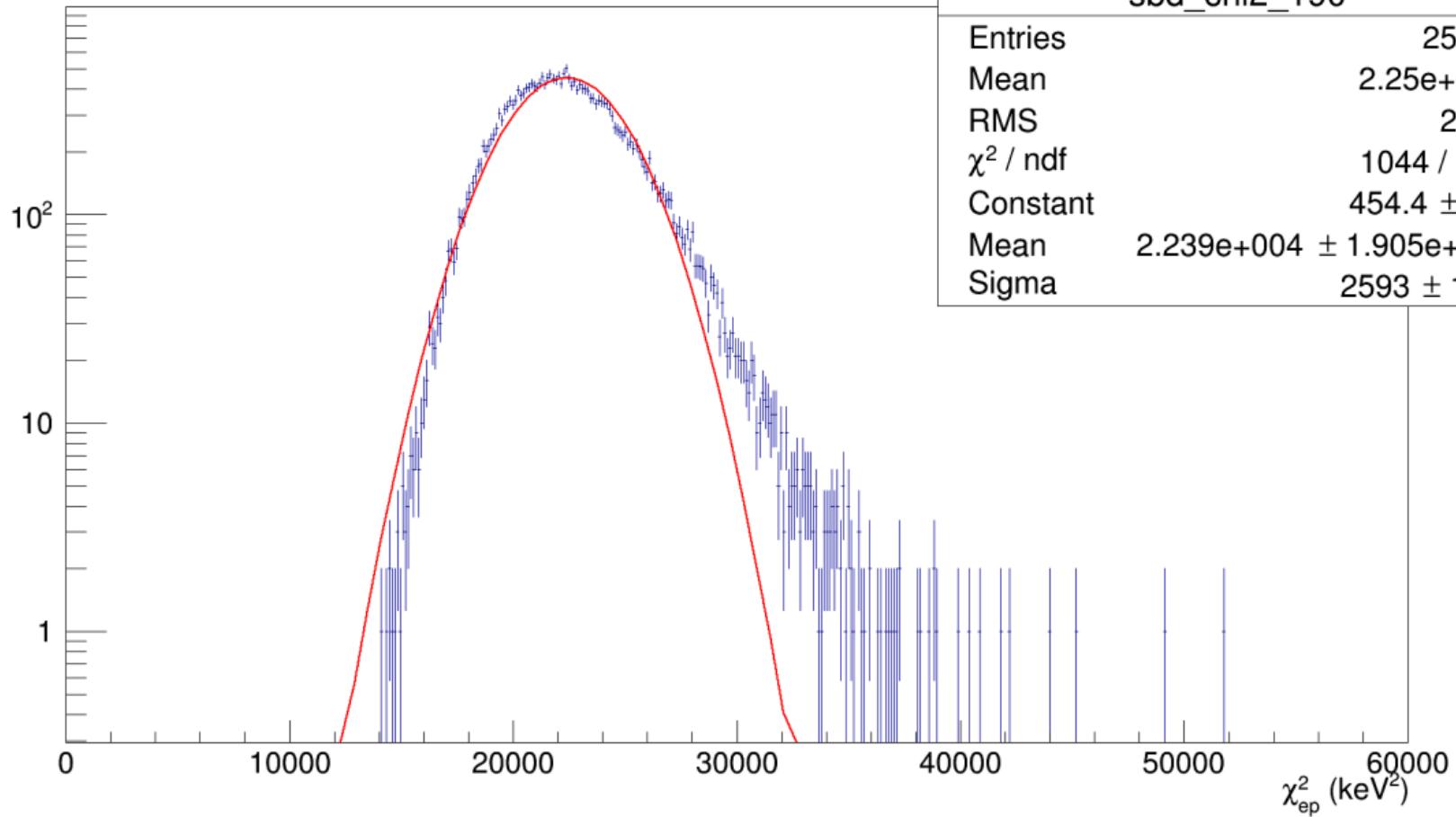
probability



sbd_chi2_189	
Entries	25502
Mean	2.246e+004
RMS	2919
χ^2 / ndf	977.4 / 190
Constant	447.5 ± 3.6
Mean	2.235e+004 ± 1.911e+001
Sigma	2626 ± 12.9

χ^2_{ep} from 190.00 keV to 191.00 keV

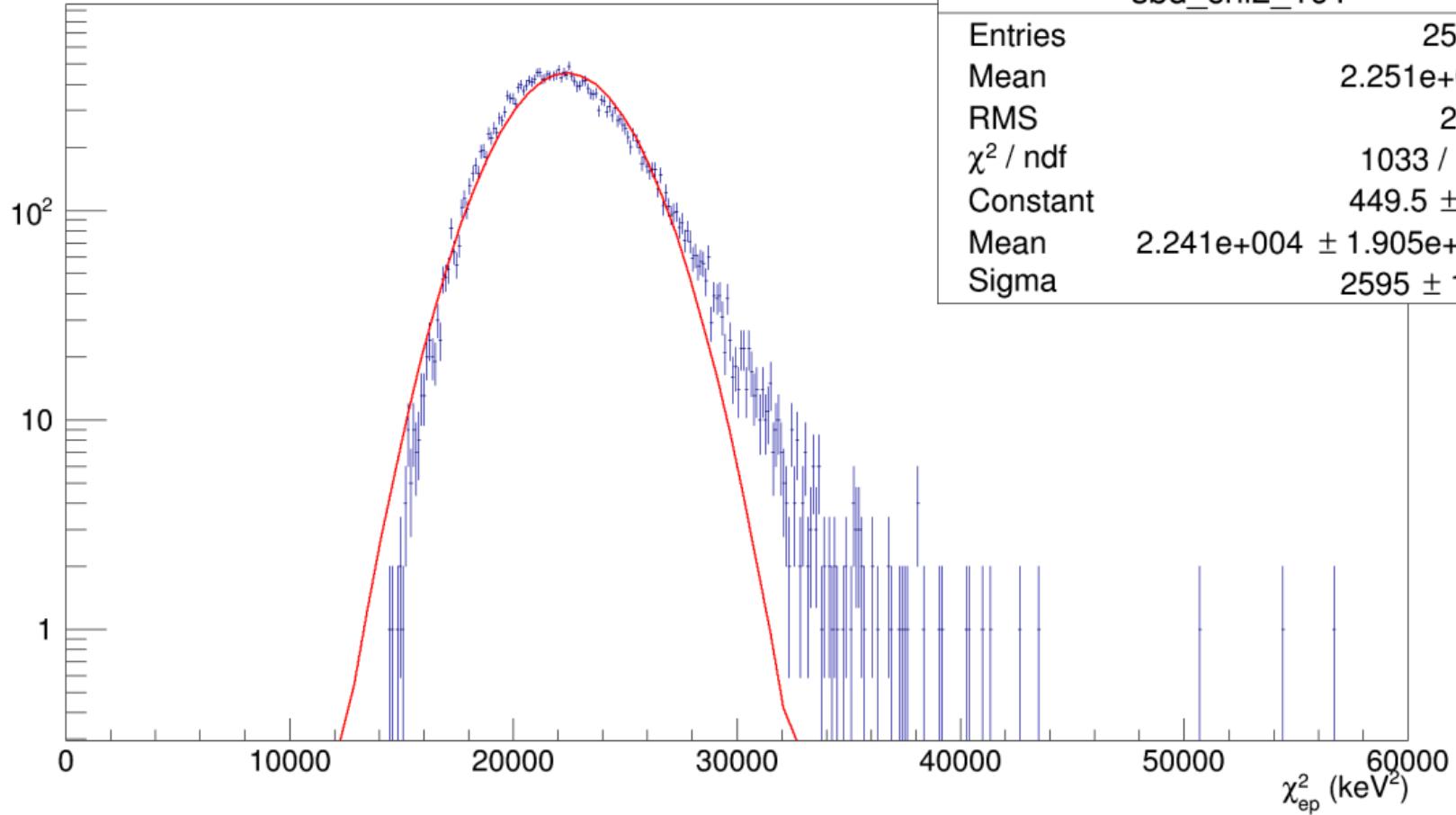
probability



sbd_chi2_190	
Entries	25644
Mean	2.25e+004
RMS	2917
χ^2 / ndf	1044 / 199
Constant	454.4 ± 3.6
Mean	2.239e+004 ± 1.905e+001
Sigma	2593 ± 12.5

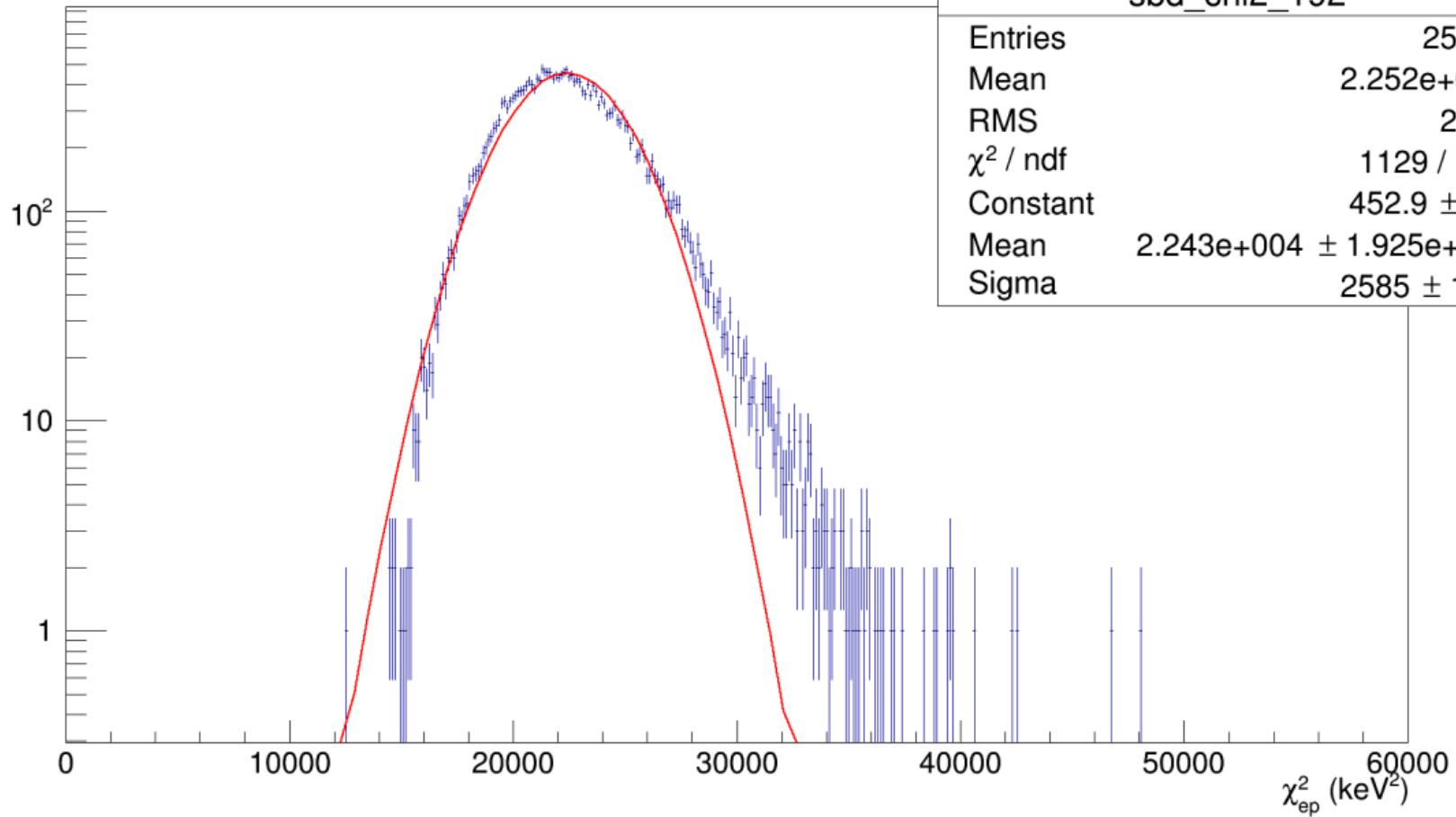
χ^2_{ep} from 191.00 keV to 192.00 keV

probability



χ^2_{ep} from 192.00 keV to 193.00 keV

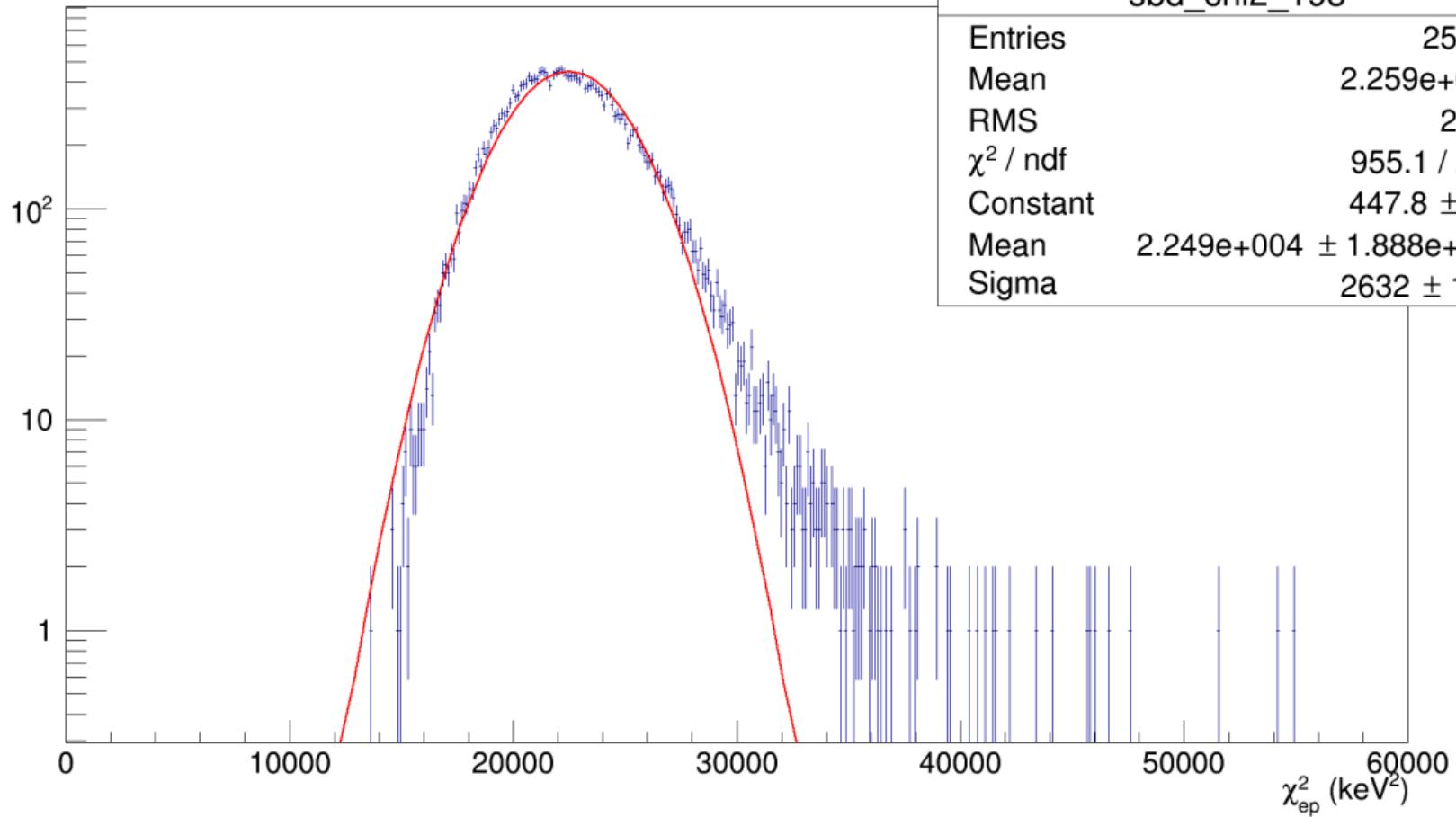
probability



sbd_chi2_192	
Entries	25572
Mean	2.252e+004
RMS	2904
χ^2 / ndf	1129 / 194
Constant	452.9 \pm 3.6
Mean	2.243e+004 \pm 1.925e+001
Sigma	2585 \pm 12.3

χ^2_{ep} from 193.00 keV to 194.00 keV

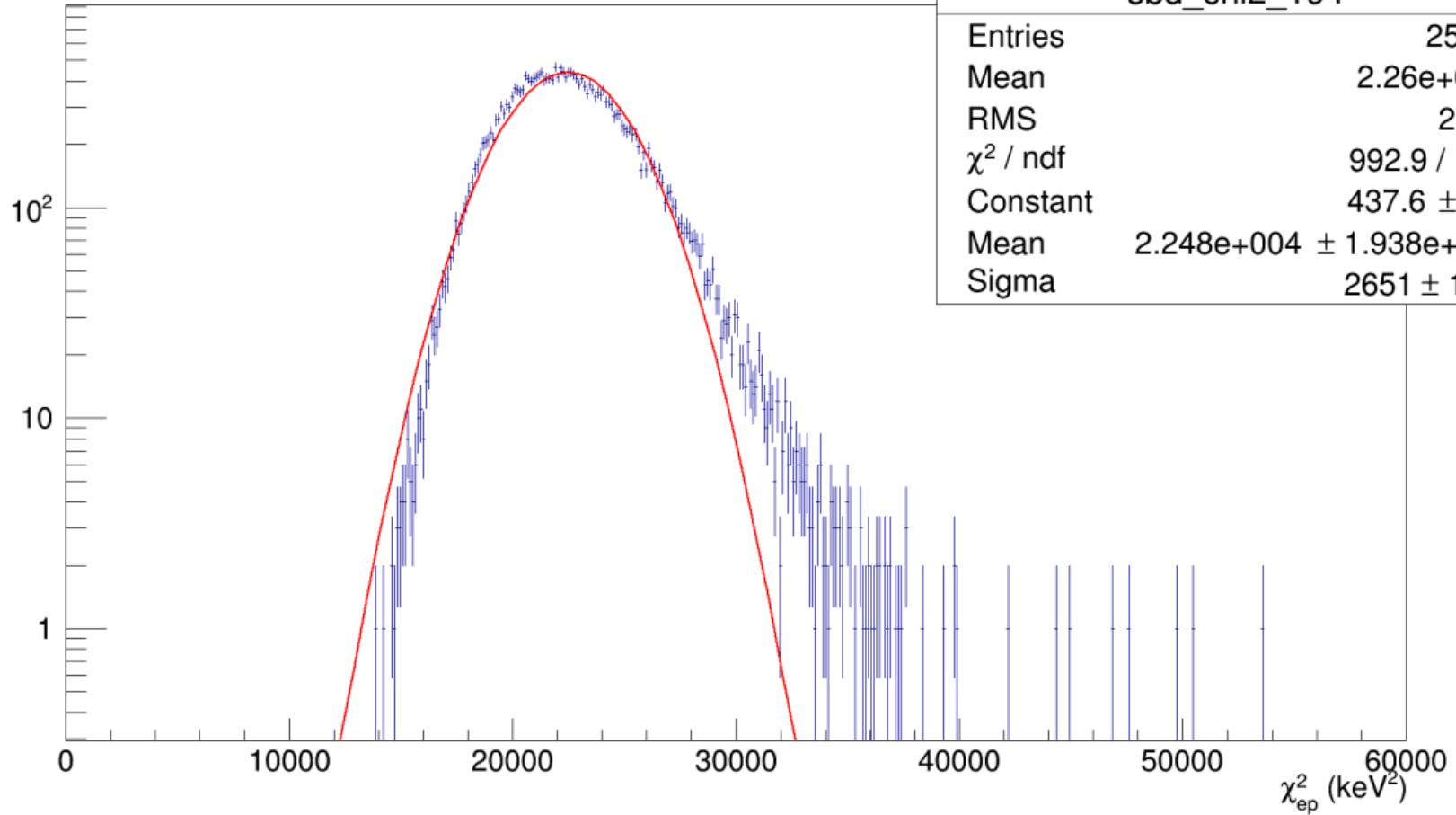
probability



sbd_chi2_193	
Entries	25552
Mean	2.259e+004
RMS	2957
χ^2 / ndf	955.1 / 203
Constant	447.8 ± 3.6
Mean	2.249e+004 ± 1.888e+001
Sigma	2632 ± 12.7

χ^2_{ep} from 194.00 keV to 195.00 keV

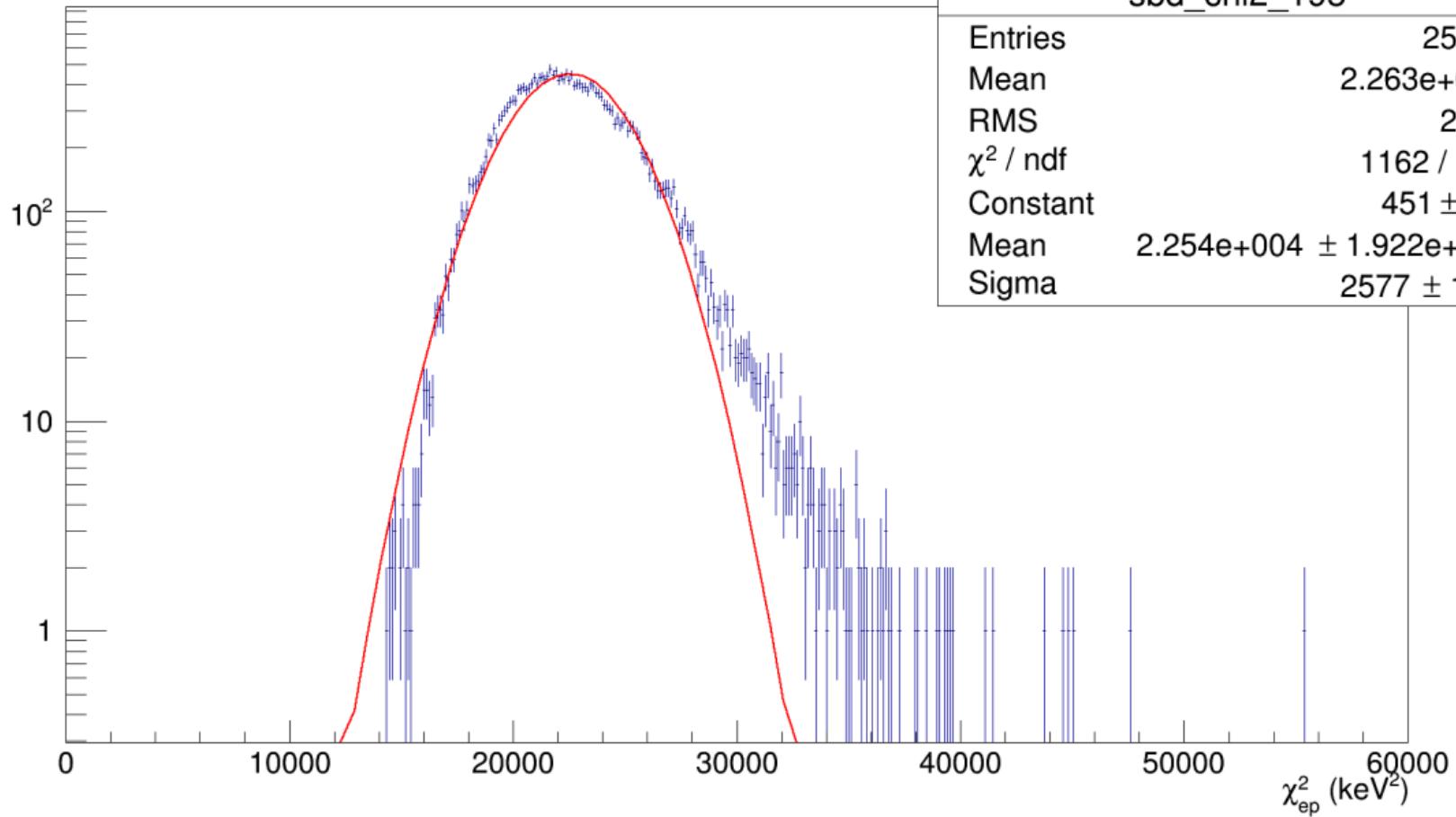
probability



sbd_chi2_194	
Entries	25211
Mean	2.26e+004
RMS	2964
χ^2 / ndf	992.9 / 198
Constant	437.6 ± 3.5
Mean	2.248e+004 ± 1.938e+001
Sigma	2651 ± 13.2

χ^2_{ep} from 195.00 keV to 196.00 keV

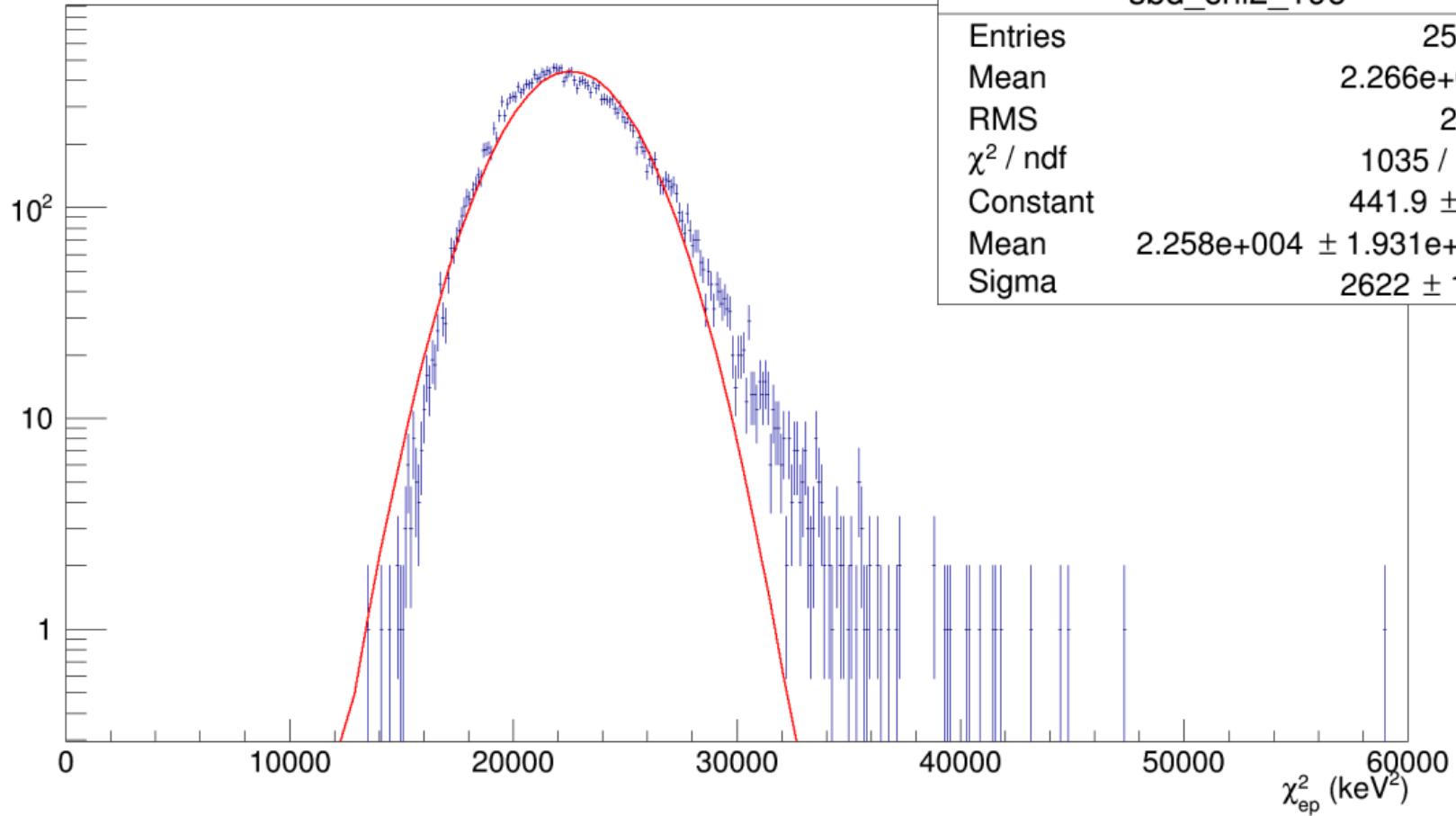
probability



sbd_chi2_195	
Entries	25424
Mean	2.263e+004
RMS	2925
χ^2 / ndf	1162 / 199
Constant	451 ± 3.6
Mean	$2.254\text{e+}004 \pm 1.922\text{e+}001$
Sigma	2577 ± 12.2

χ^2_{ep} from 196.00 keV to 197.00 keV

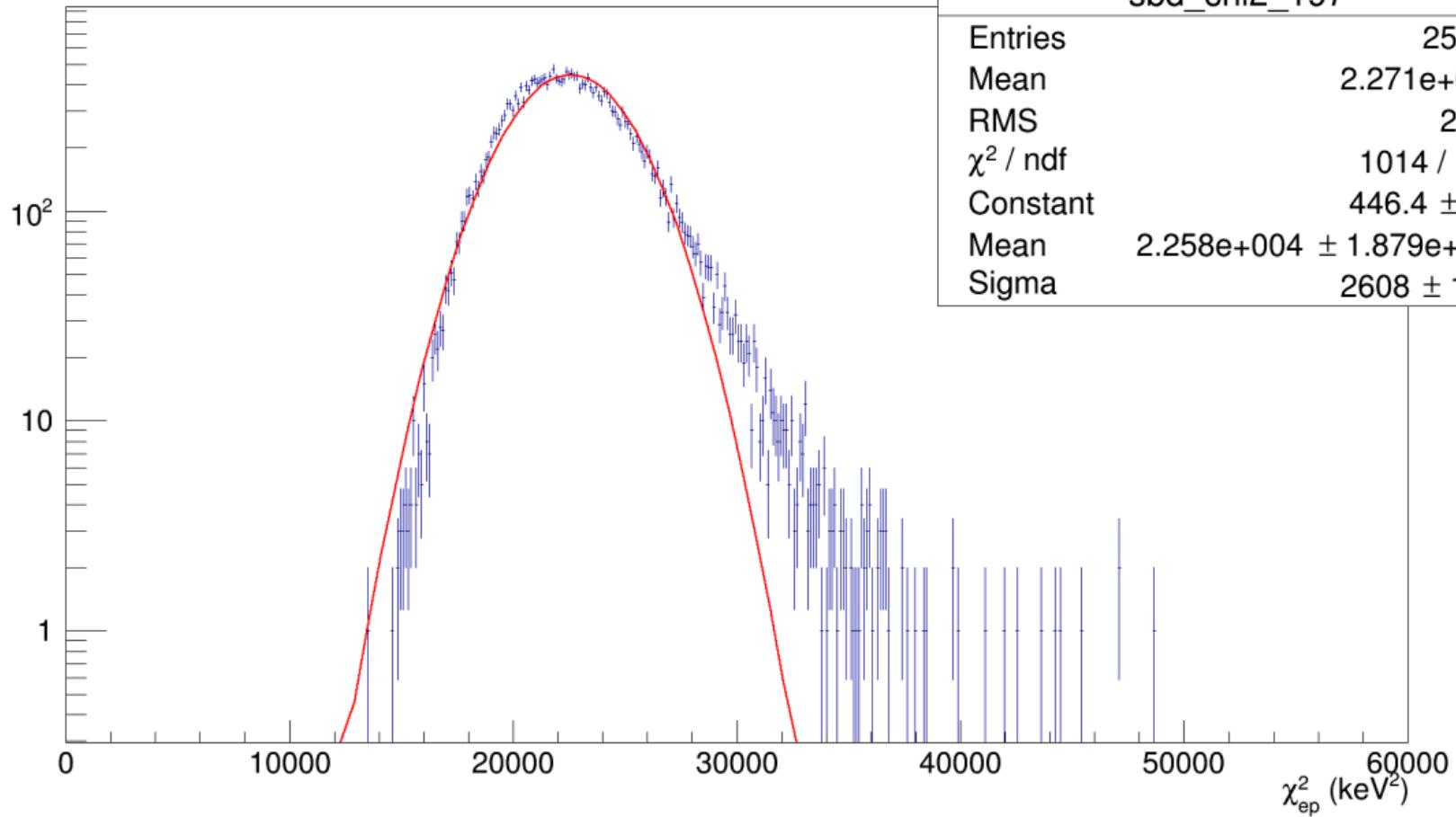
probability



sbd_chi2_196	
Entries	25229
Mean	2.266e+004
RMS	2919
χ^2 / ndf	1035 / 193
Constant	441.9 \pm 3.5
Mean	2.258e+004 \pm 1.931e+001
Sigma	2622 \pm 12.6

χ^2_{ep} from 197.00 keV to 198.00 keV

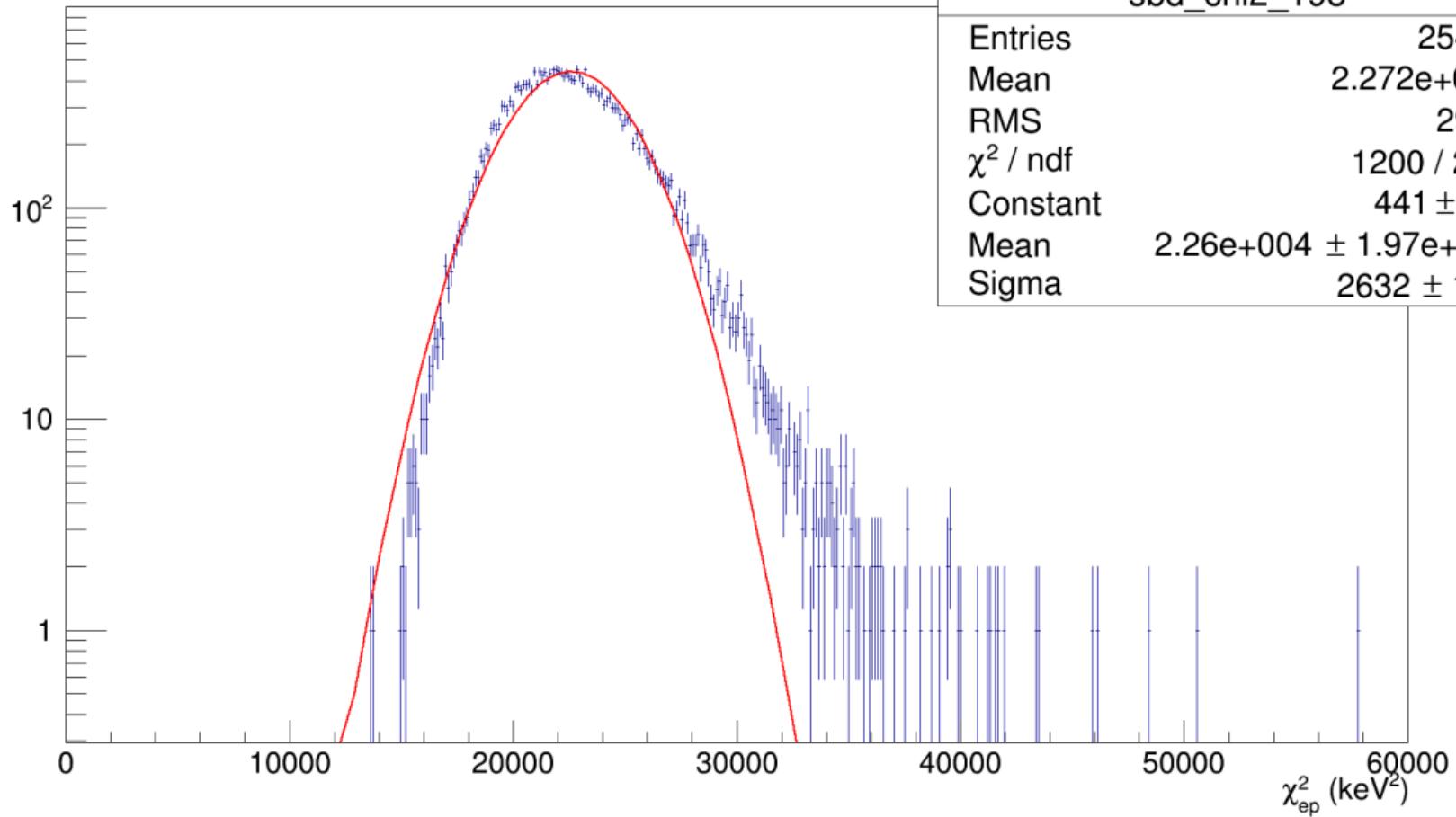
probability



sbd_chi2_197	
Entries	25316
Mean	2.271e+004
RMS	2938
χ^2 / ndf	1014 / 197
Constant	446.4 \pm 3.6
Mean	2.258e+004 \pm 1.879e+001
Sigma	2608 \pm 13.0

χ^2_{ep} from 198.00 keV to 199.00 keV

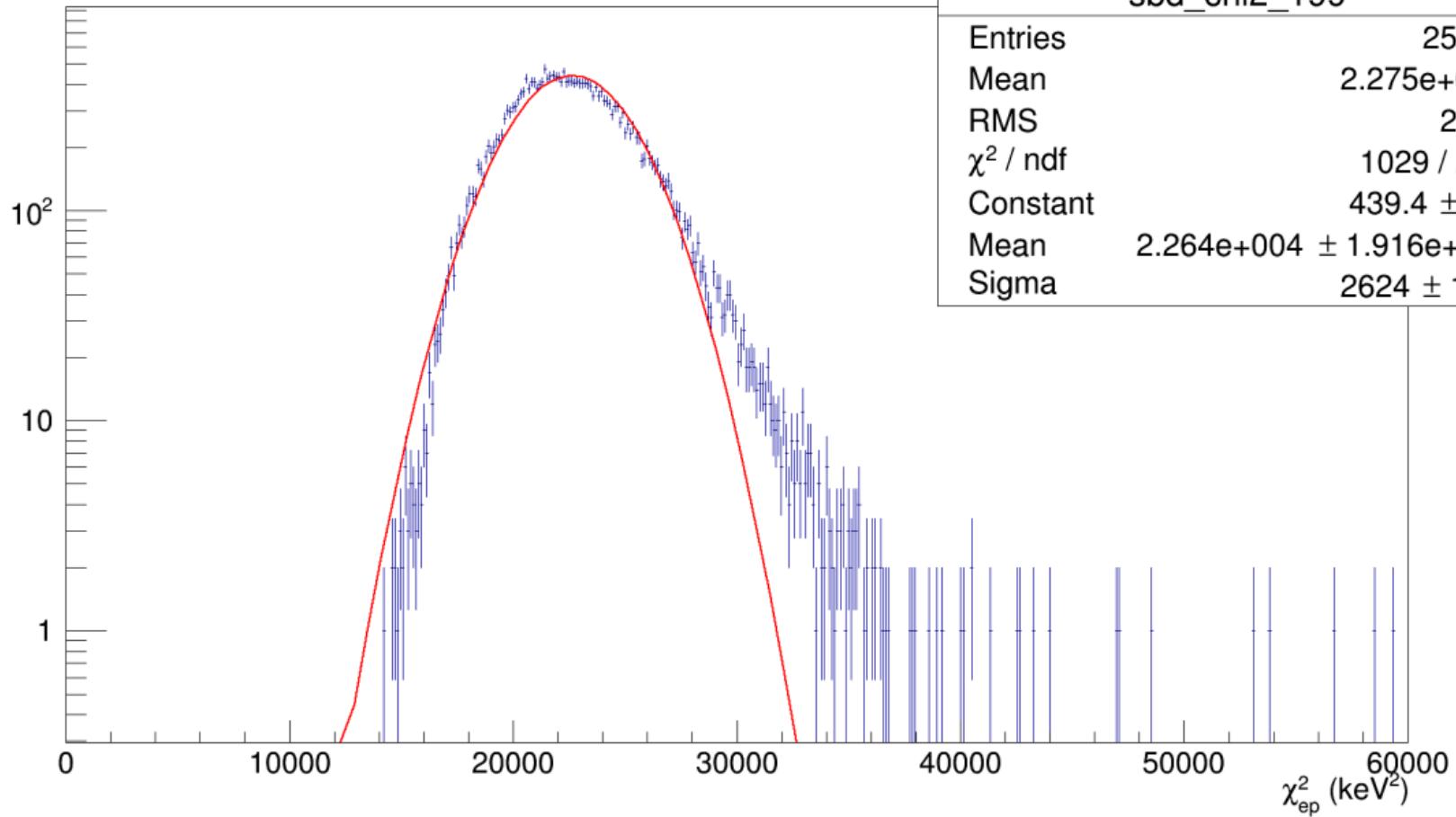
probability



sbd_chi2_198	
Entries	25415
Mean	2.272e+004
RMS	2994
χ^2 / ndf	1200 / 200
Constant	441 ± 3.6
Mean	2.26e+004 ± 1.97e+001
Sigma	2632 ± 13.1

χ^2_{ep} from 199.00 keV to 200.00 keV

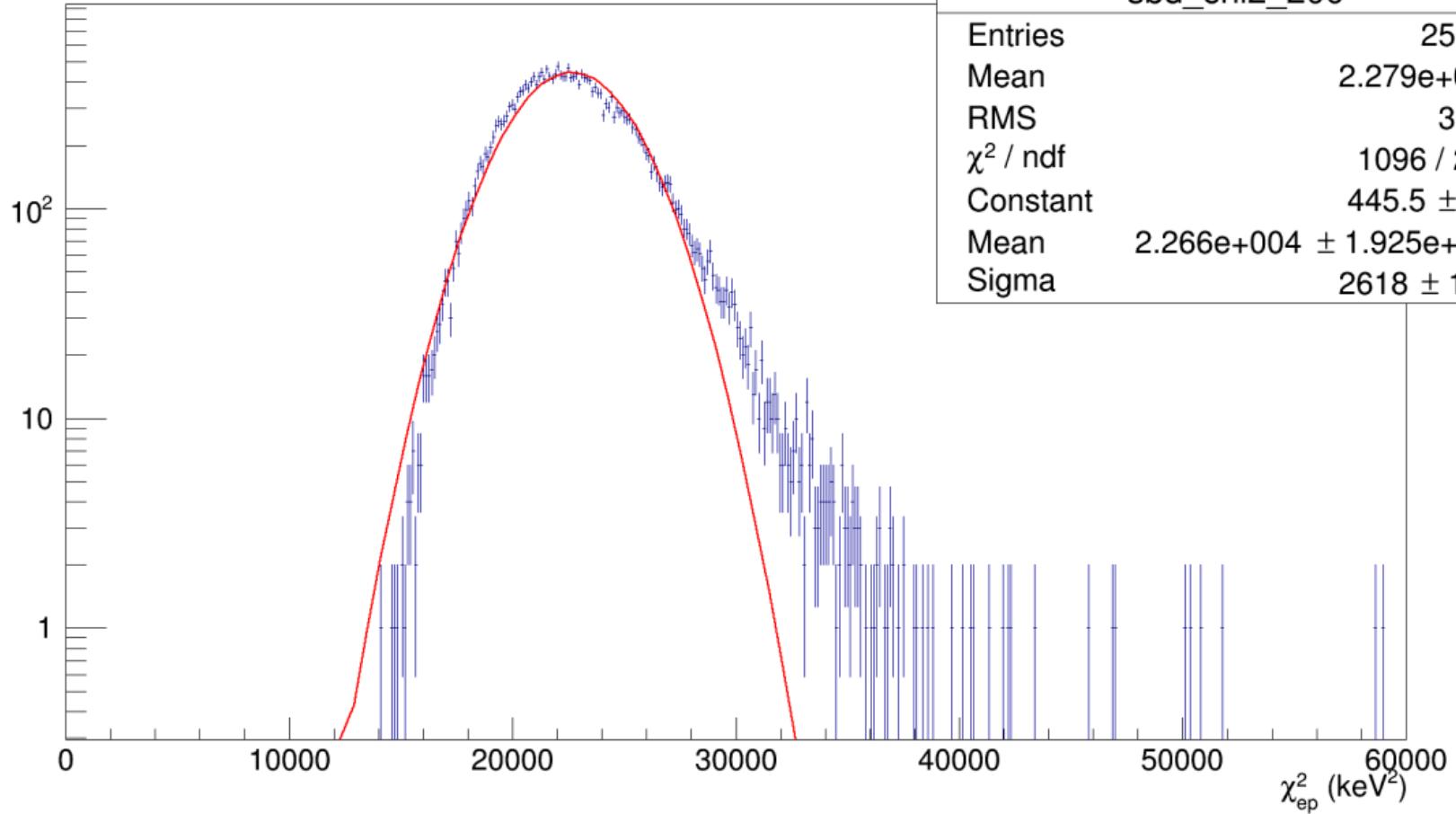
probability



sbd_chi2_199	
Entries	25096
Mean	2.275e+004
RMS	2986
χ^2 / ndf	1029 / 203
Constant	439.4 ± 3.5
Mean	2.264e+004 ± 1.916e+001
Sigma	2624 ± 12.7

χ^2_{ep} from 200.00 keV to 201.00 keV

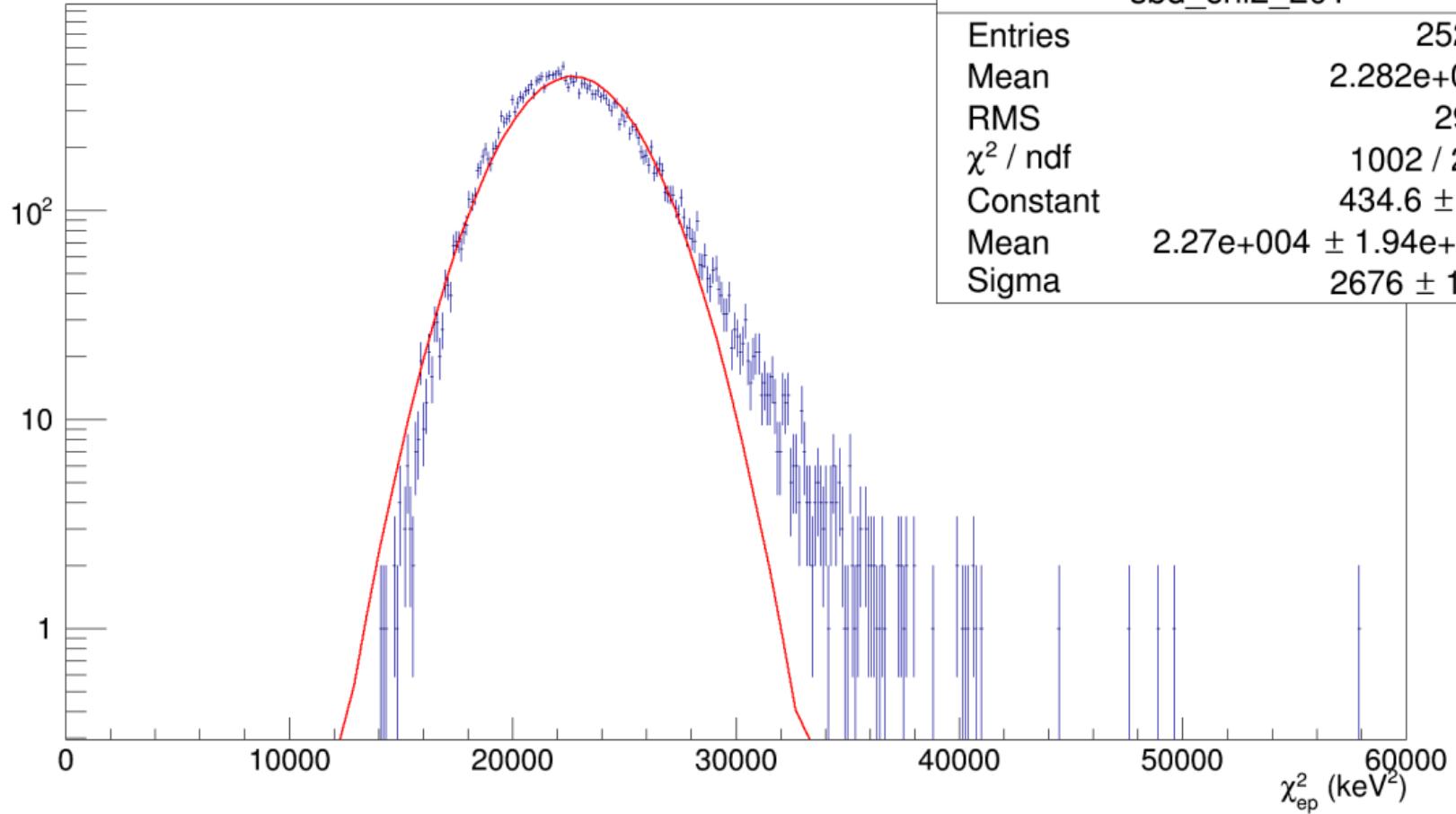
probability



sbd_chi2_200	
Entries	25448
Mean	2.279e+004
RMS	3002
χ^2 / ndf	1096 / 207
Constant	445.5 ± 3.6
Mean	2.266e+004 ± 1.925e+001
Sigma	2618 ± 12.7

χ^2_{ep} from 201.00 keV to 202.00 keV

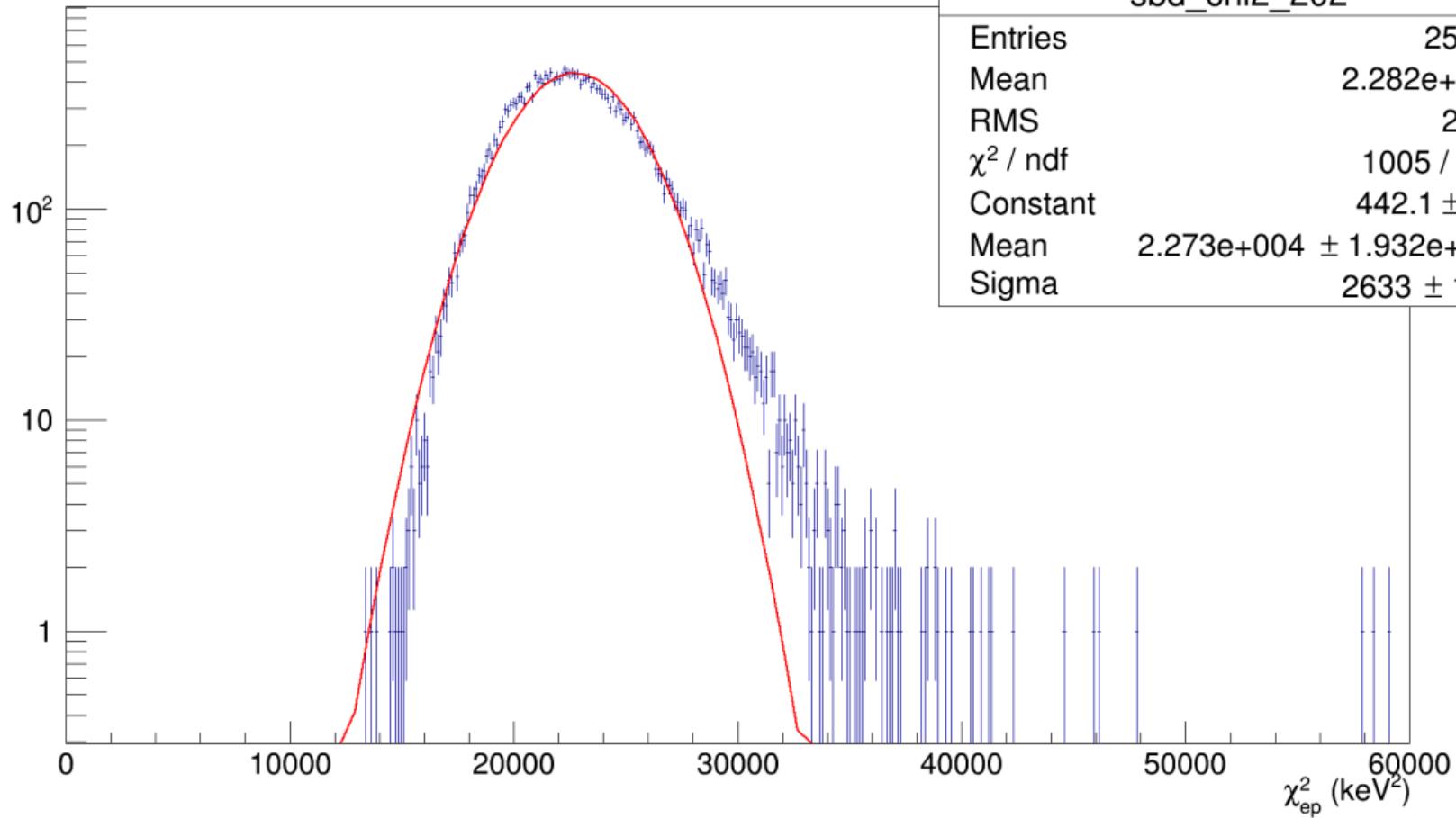
probability



sbd_chi2_201	
Entries	25272
Mean	2.282e+004
RMS	2998
χ^2 / ndf	1002 / 200
Constant	434.6 ± 3.5
Mean	2.27e+004 ± 1.94e+001
Sigma	2676 ± 13.2

χ^2_{ep} from 202.00 keV to 203.00 keV

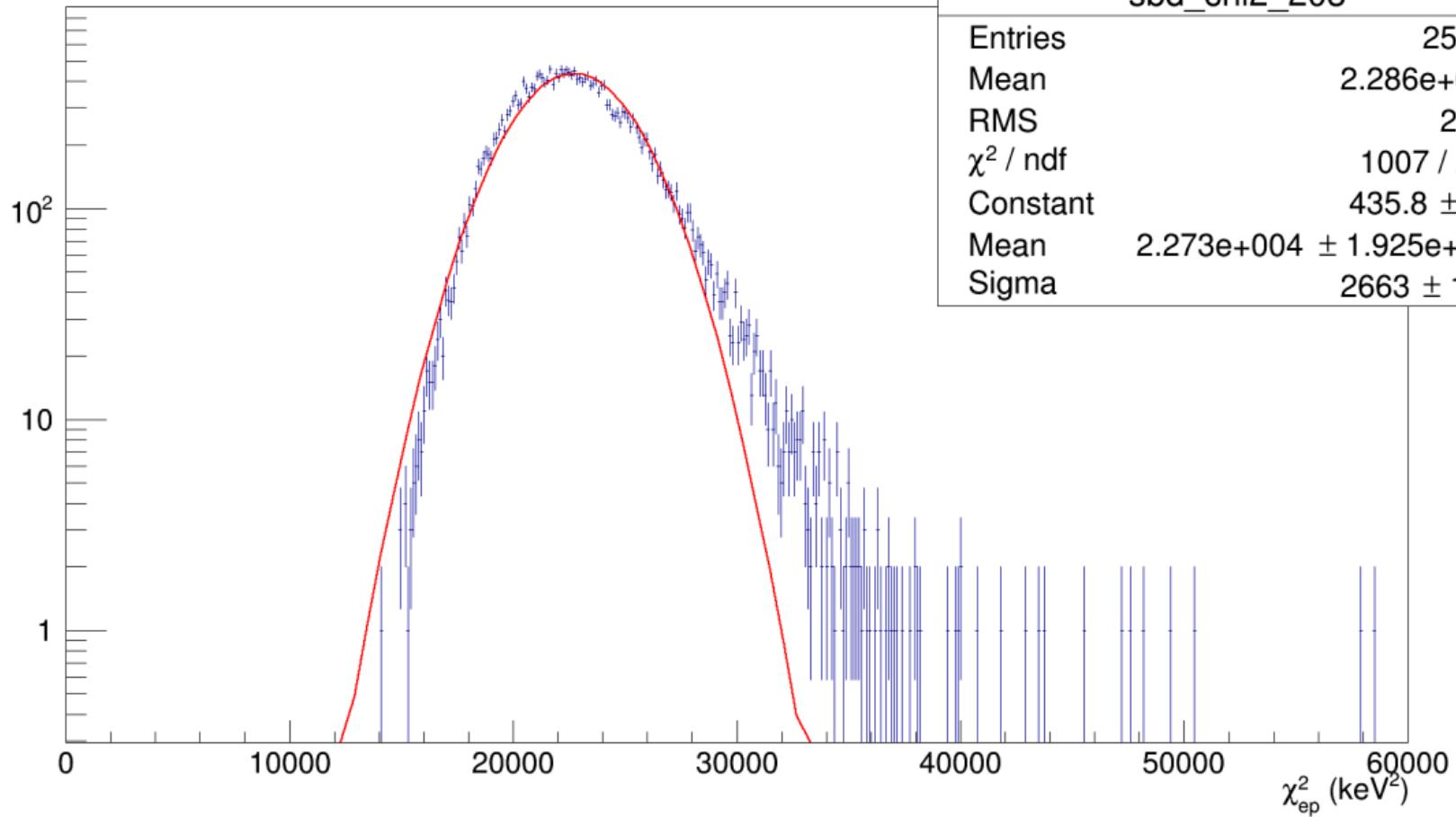
probability



sbd_chi2_202	
Entries	25315
Mean	2.282e+004
RMS	2968
χ^2 / ndf	1005 / 206
Constant	442.1 \pm 3.5
Mean	2.273e+004 \pm 1.932e+001
Sigma	2633 \pm 12.5

χ^2_{ep} from 203.00 keV to 204.00 keV

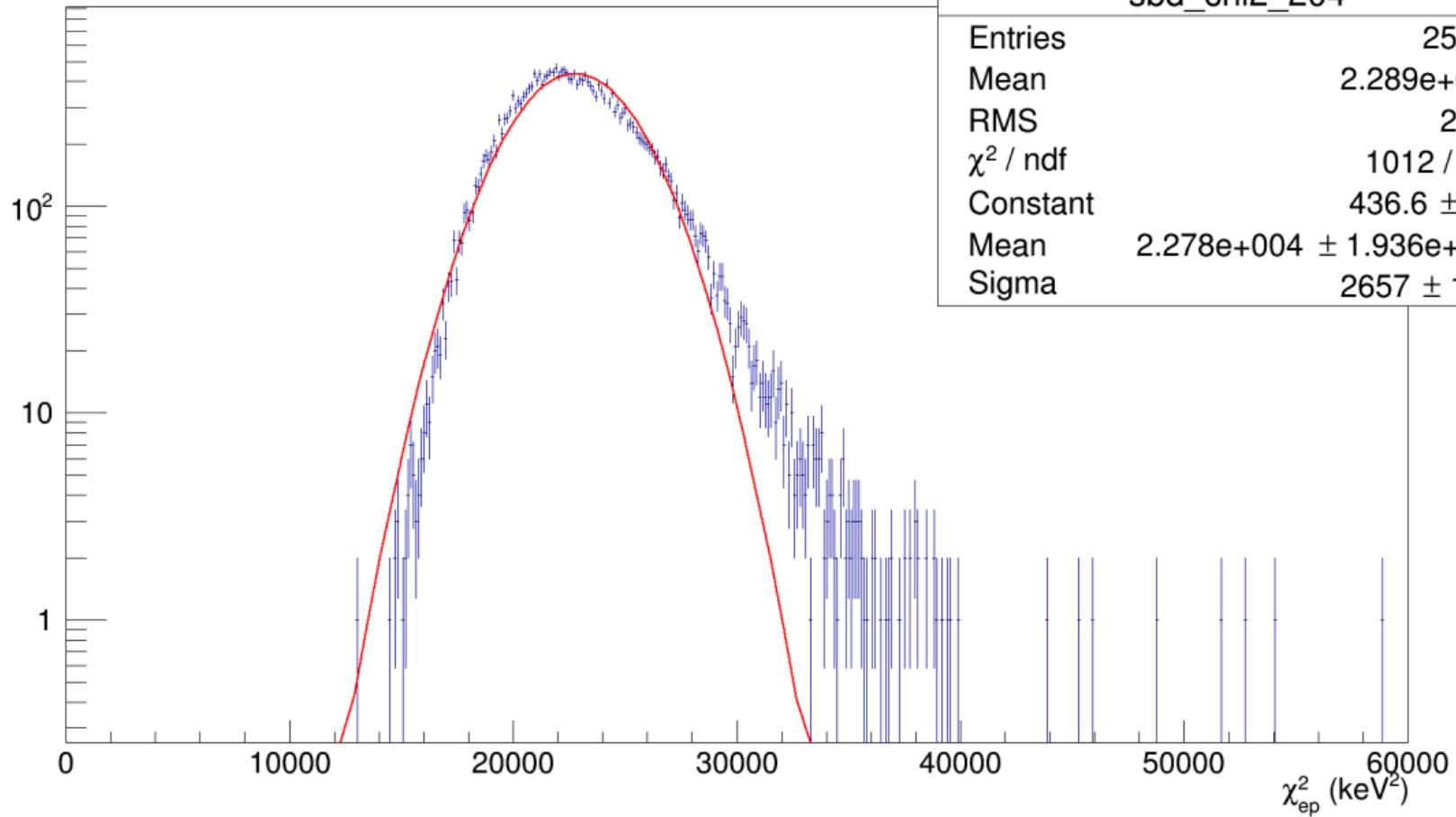
probability



sbd_chi2_203	
Entries	25215
Mean	2.286e+004
RMS	2995
χ^2 / ndf	1007 / 203
Constant	435.8 ± 3.5
Mean	2.273e+004 ± 1.925e+001
Sigma	2663 ± 13.5

χ^2_{ep} from 204.00 keV to 205.00 keV

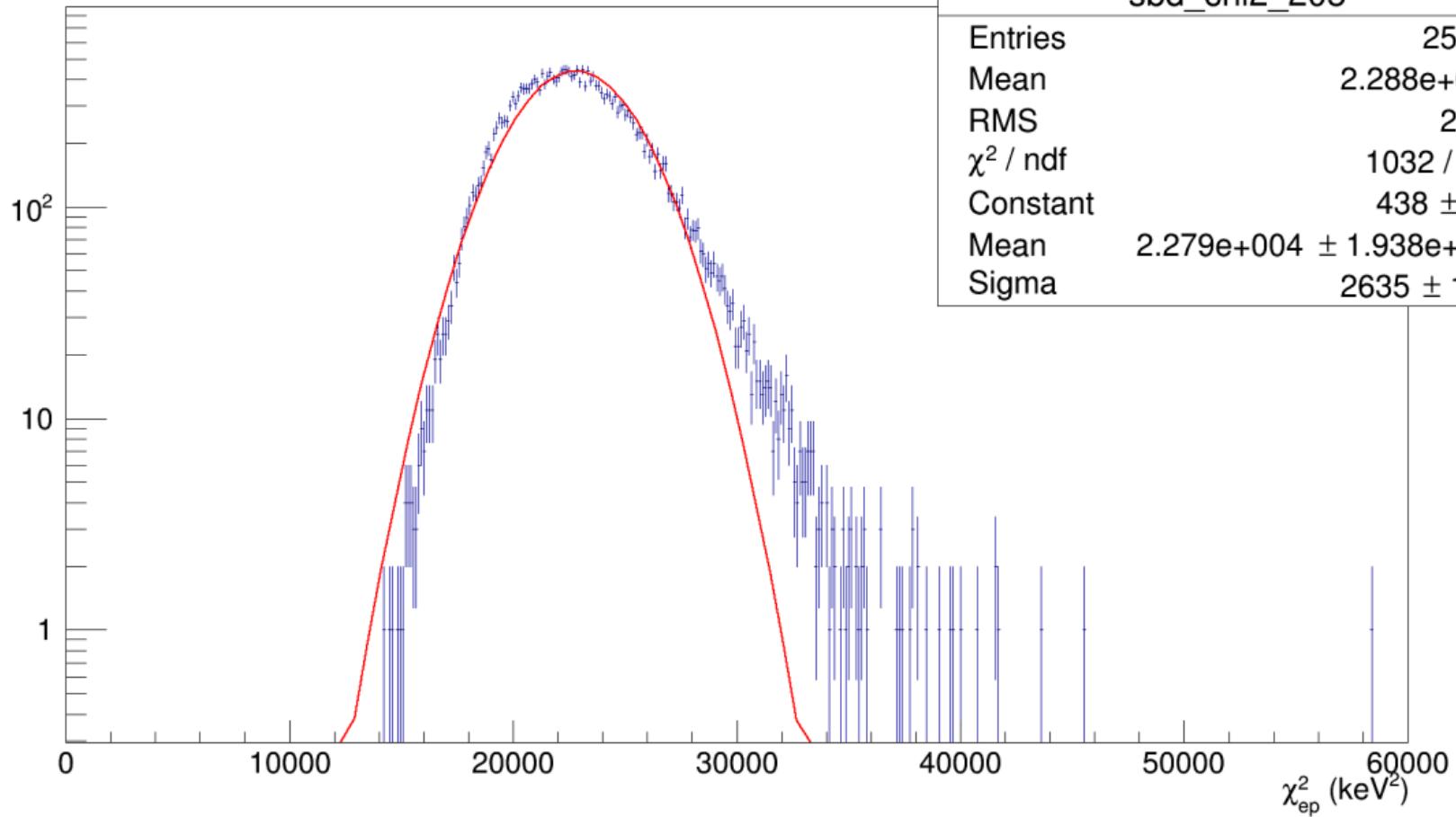
probability



sbd_chi2_204	
Entries	25225
Mean	2.289e+004
RMS	2980
χ^2 / ndf	1012 / 201
Constant	436.6 ± 3.5
Mean	2.278e+004 ± 1.936e+001
Sigma	2657 ± 13.0

χ^2_{ep} from 205.00 keV to 206.00 keV

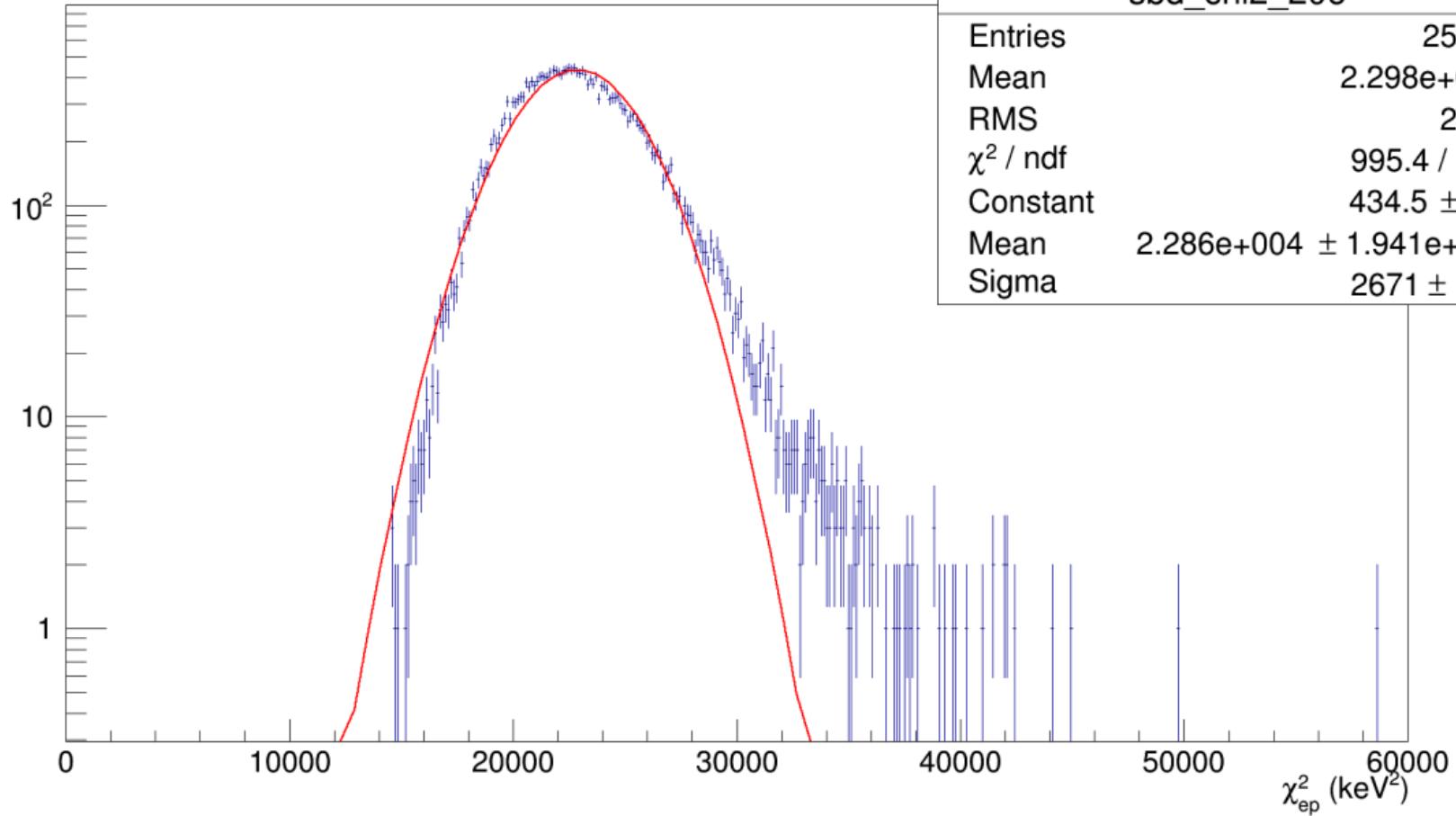
probability



sbd_chi2_205	
Entries	25134
Mean	2.288e+004
RMS	2938
χ^2 / ndf	1032 / 191
Constant	438 ± 3.5
Mean	2.279e+004 ± 1.938e+001
Sigma	2635 ± 12.7

χ^2_{ep} from 206.00 keV to 207.00 keV

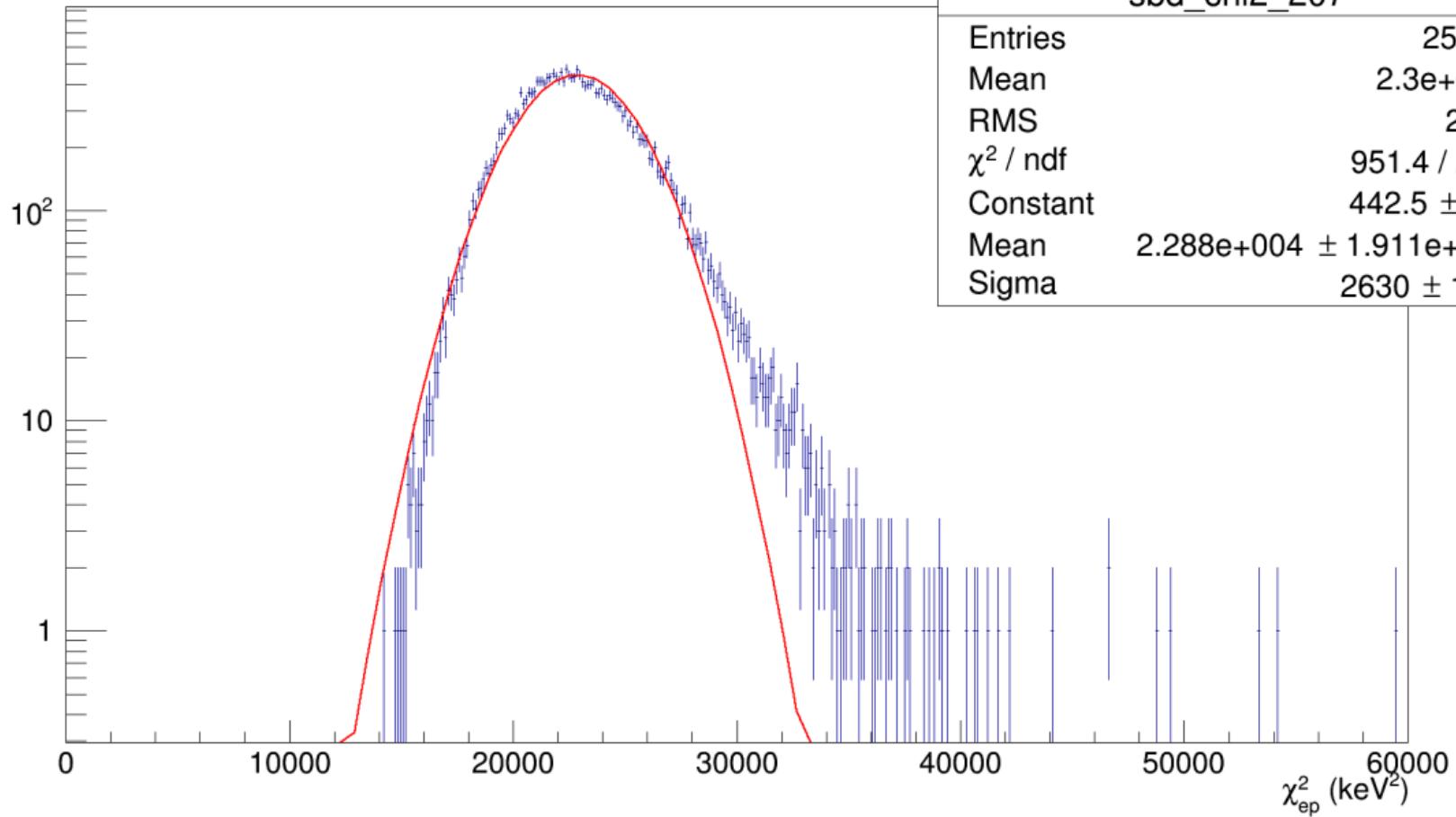
probability



sbd_chi2_206	
Entries	25212
Mean	2.298e+004
RMS	2996
χ^2 / ndf	995.4 / 199
Constant	434.5 ± 3.5
Mean	2.286e+004 ± 1.941e+001
Sigma	2671 ± 13.1

χ^2_{ep} from 207.00 keV to 208.00 keV

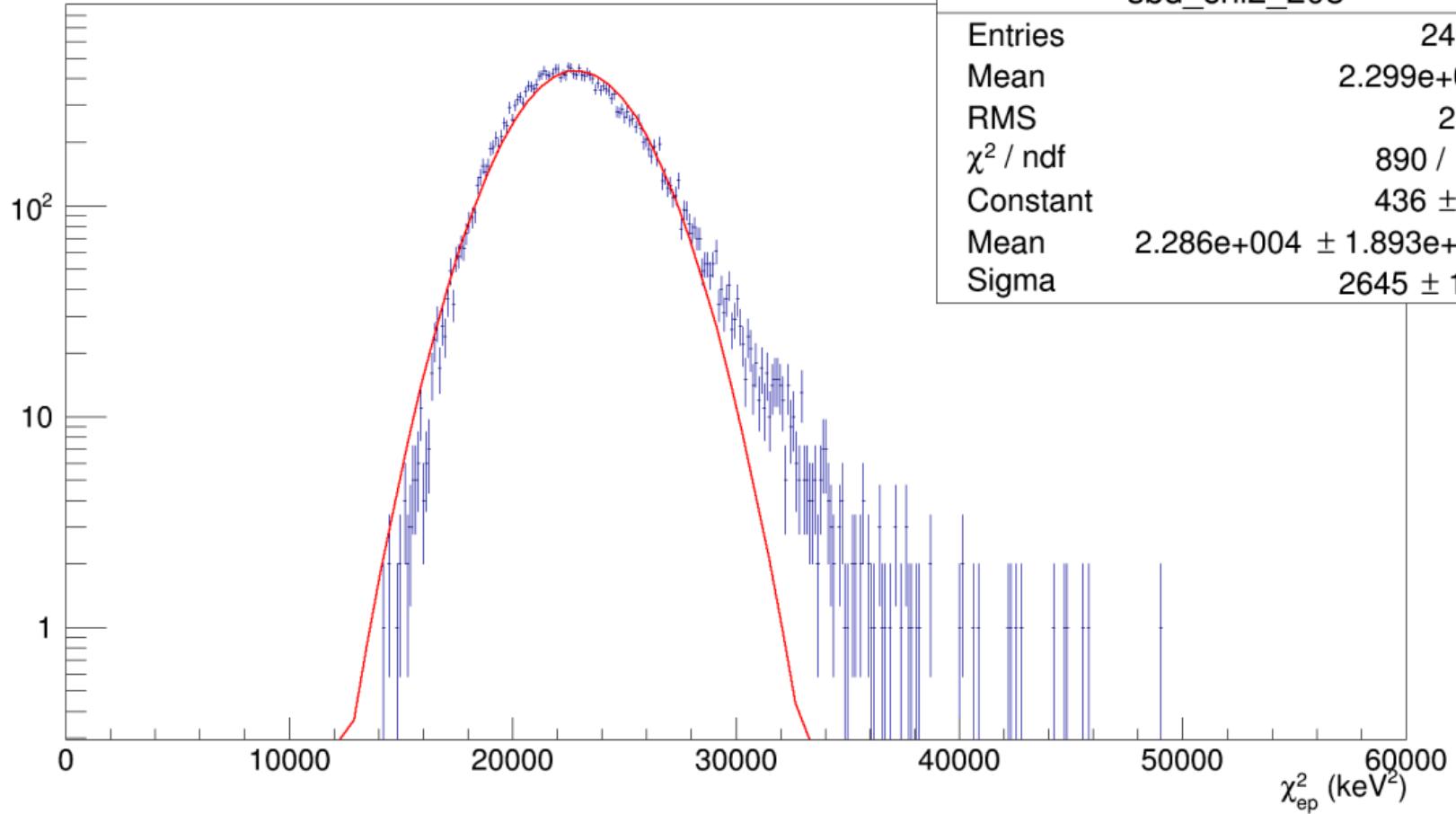
probability



sbd_chi2_207	
Entries	25247
Mean	2.3e+004
RMS	2961
χ^2 / ndf	951.4 / 202
Constant	442.5 ± 3.5
Mean	2.288e+004 ± 1.911e+001
Sigma	2630 ± 12.7

χ^2_{ep} from 208.00 keV to 209.00 keV

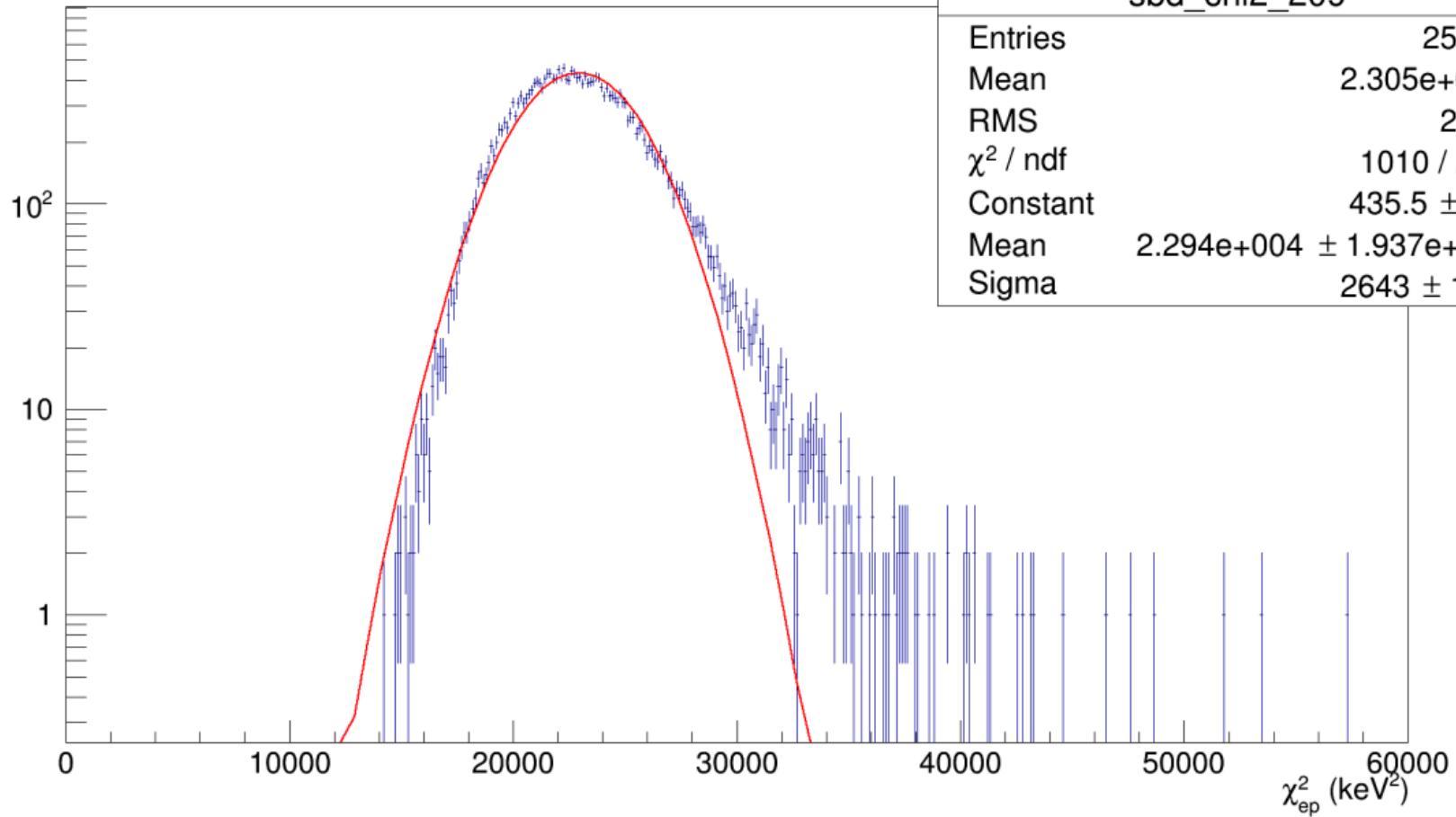
probability



sbd_chi2_208	
Entries	24965
Mean	2.299e+004
RMS	2953
χ^2 / ndf	890 / 199
Constant	436 ± 3.5
Mean	2.286e+004 ± 1.893e+001
Sigma	2645 ± 13.2

χ^2_{ep} from 209.00 keV to 210.00 keV

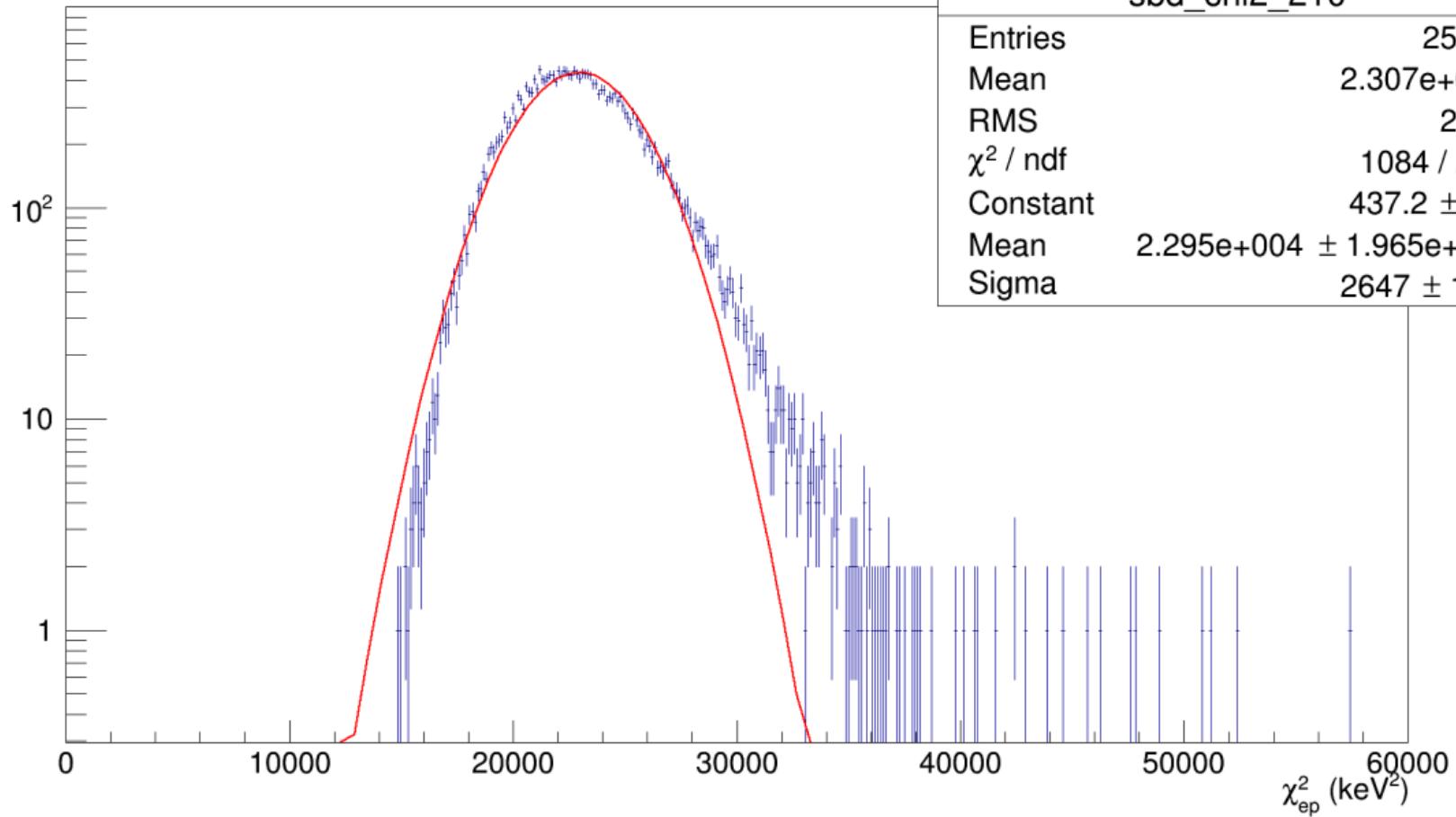
probability



sbd_chi2_209	
Entries	25037
Mean	2.305e+004
RMS	2984
χ^2 / ndf	1010 / 202
Constant	435.5 ± 3.5
Mean	2.294e+004 ± 1.937e+001
Sigma	2643 ± 13.0

χ^2_{ep} from 210.00 keV to 211.00 keV

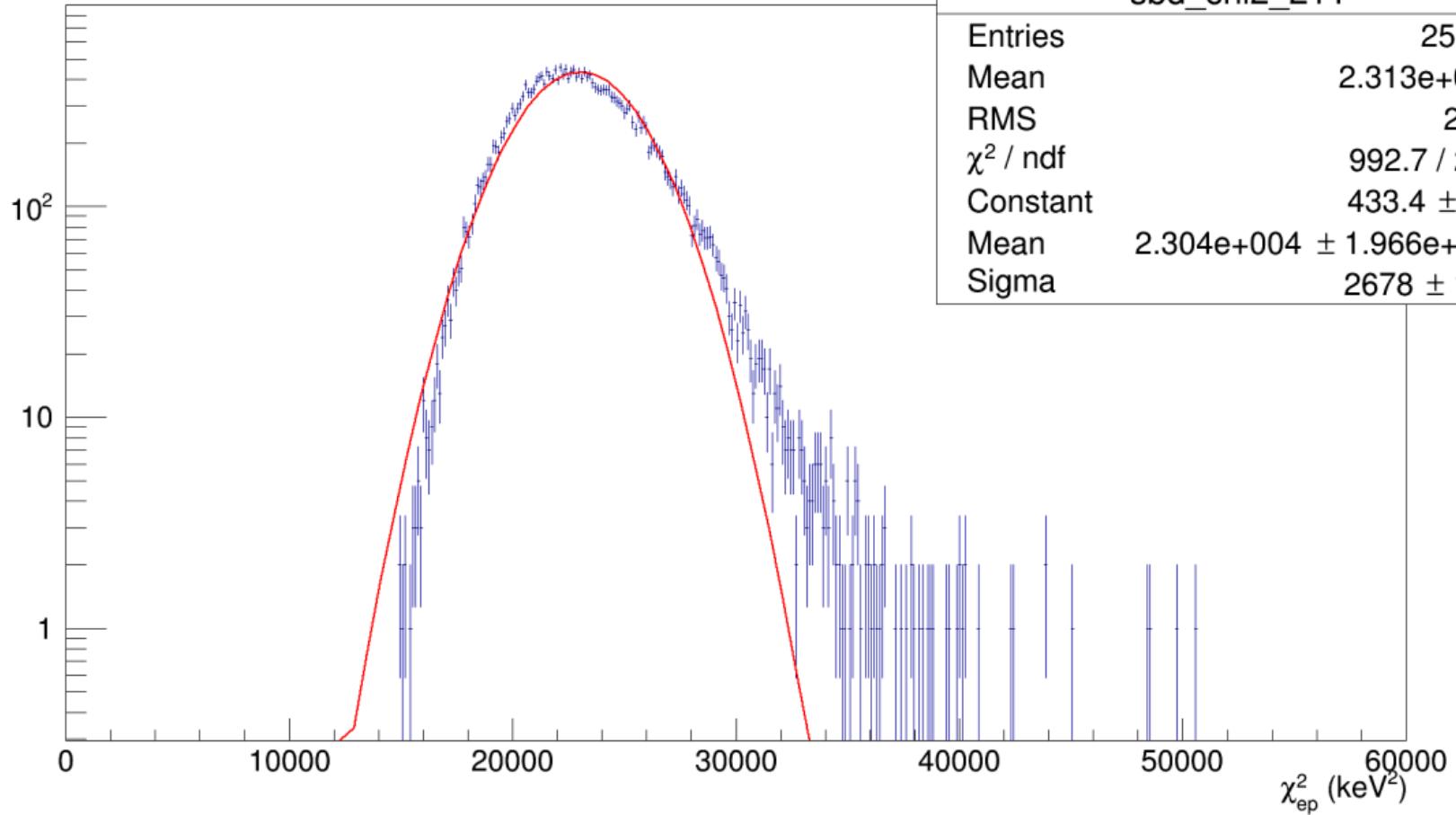
probability



sbd_chi2_210	
Entries	25230
Mean	2.307e+004
RMS	2988
χ^2 / ndf	1084 / 203
Constant	437.2 ± 3.5
Mean	2.295e+004 ± 1.965e+001
Sigma	2647 ± 13.2

χ^2_{ep} from 211.00 keV to 212.00 keV

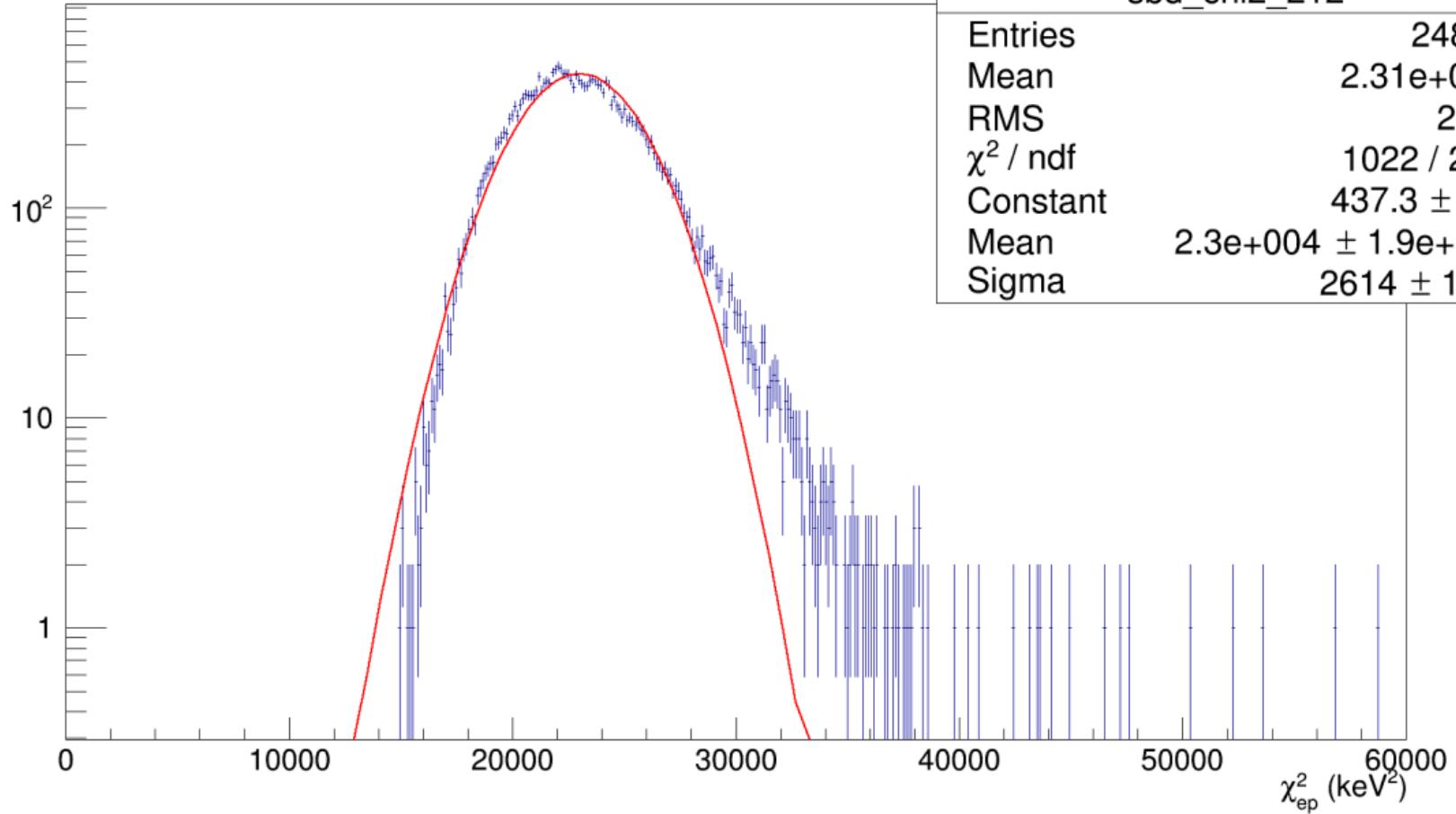
probability



sbd_chi2_211	
Entries	25224
Mean	2.313e+004
RMS	2981
χ^2 / ndf	992.7 / 202
Constant	433.4 ± 3.5
Mean	2.304e+004 ± 1.966e+001
Sigma	2678 ± 13.1

χ^2_{ep} from 212.00 keV to 213.00 keV

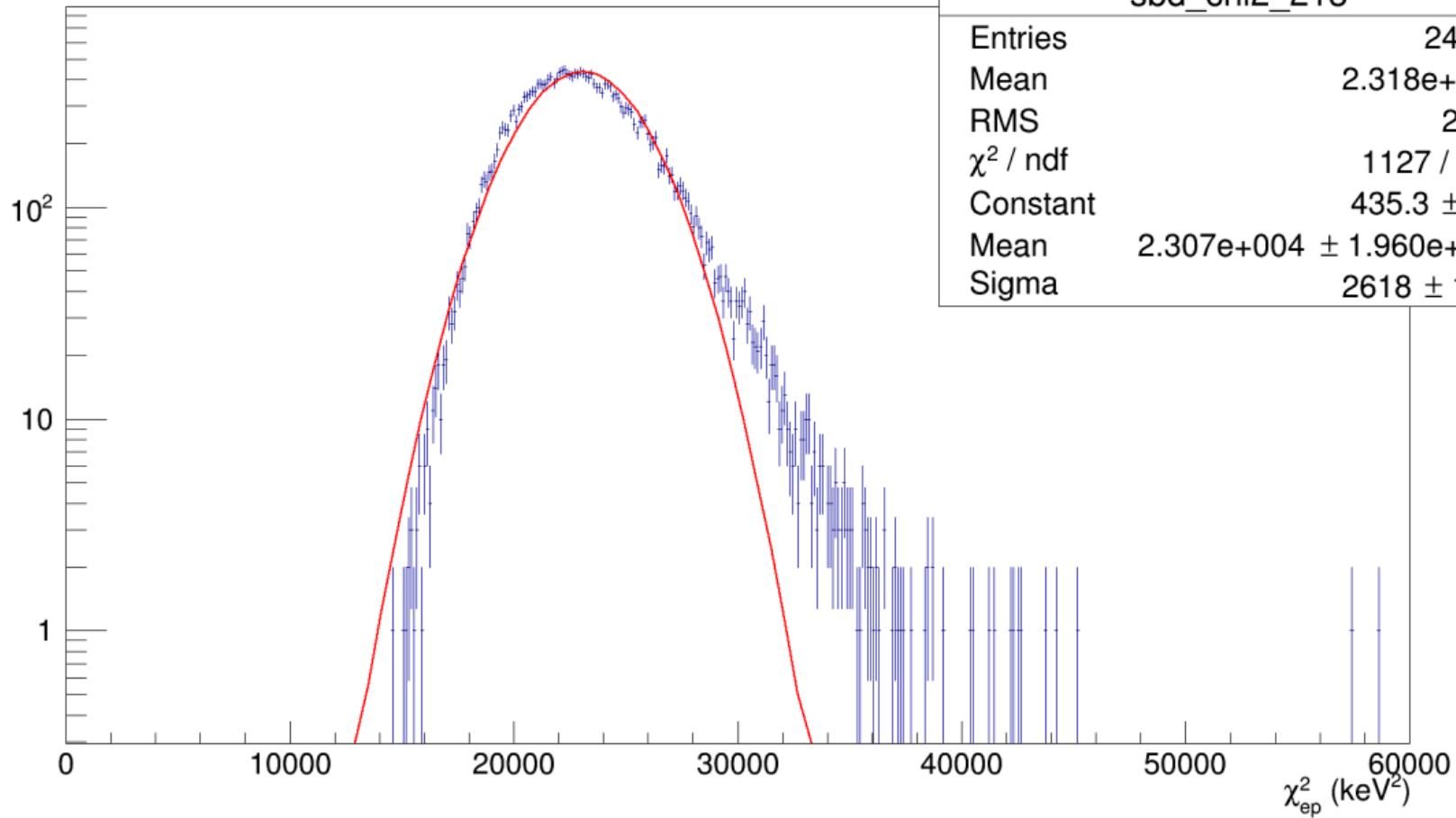
probability



sbd_chi2_212	
Entries	24879
Mean	2.31×10^4
RMS	2971
χ^2 / ndf	1022 / 202
Constant	437.3 ± 3.5
Mean	$2.3 \times 10^4 \pm 1.9 \times 10^3$
Sigma	2614 ± 12.5

χ^2_{ep} from 213.00 keV to 214.00 keV

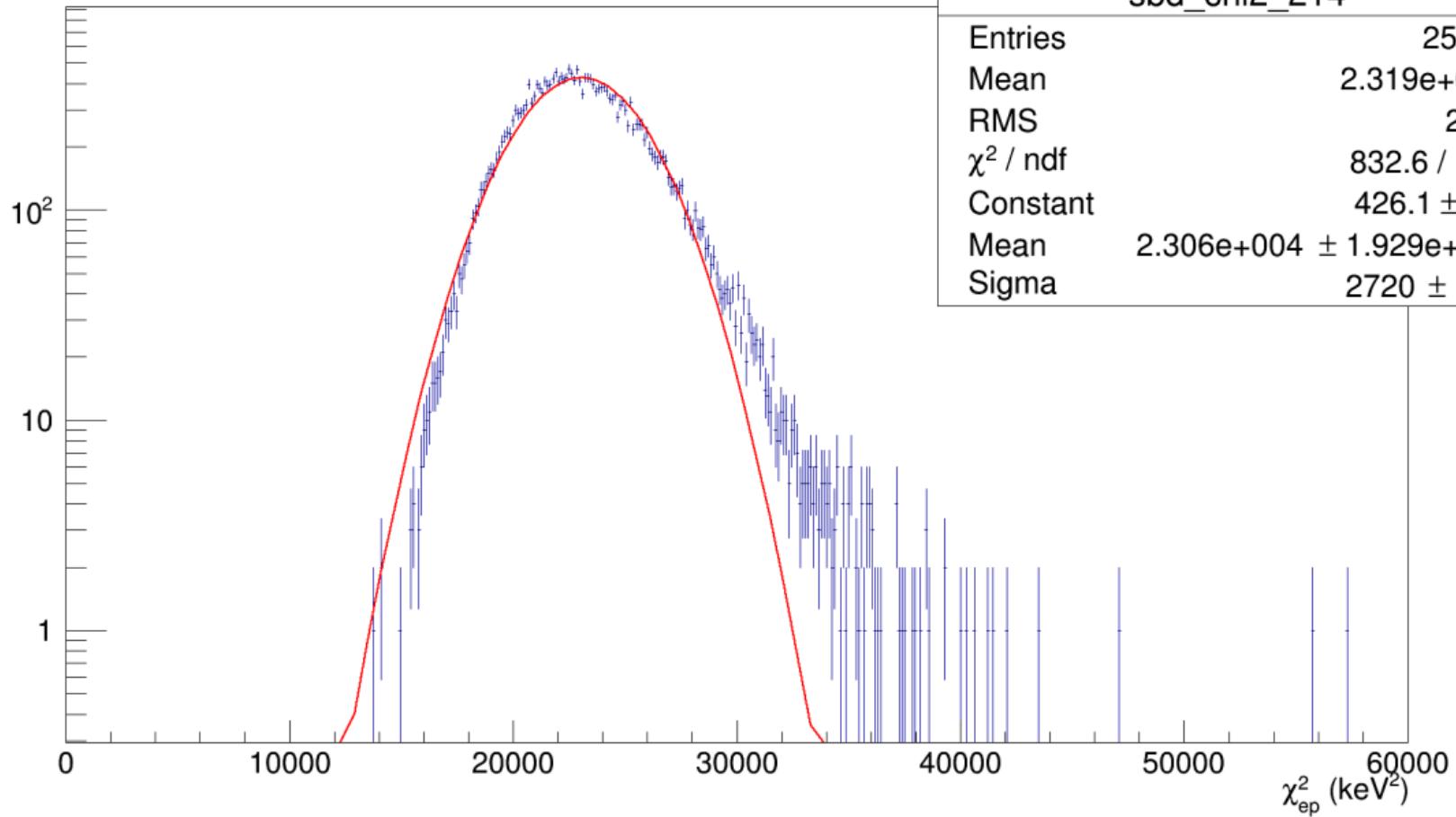
probability



sbd_chi2_213	
Entries	24934
Mean	2.318e+004
RMS	2984
χ^2 / ndf	1127 / 198
Constant	435.3 ± 3.5
Mean	2.307e+004 ± 1.960e+001
Sigma	2618 ± 12.6

χ^2_{ep} from 214.00 keV to 215.00 keV

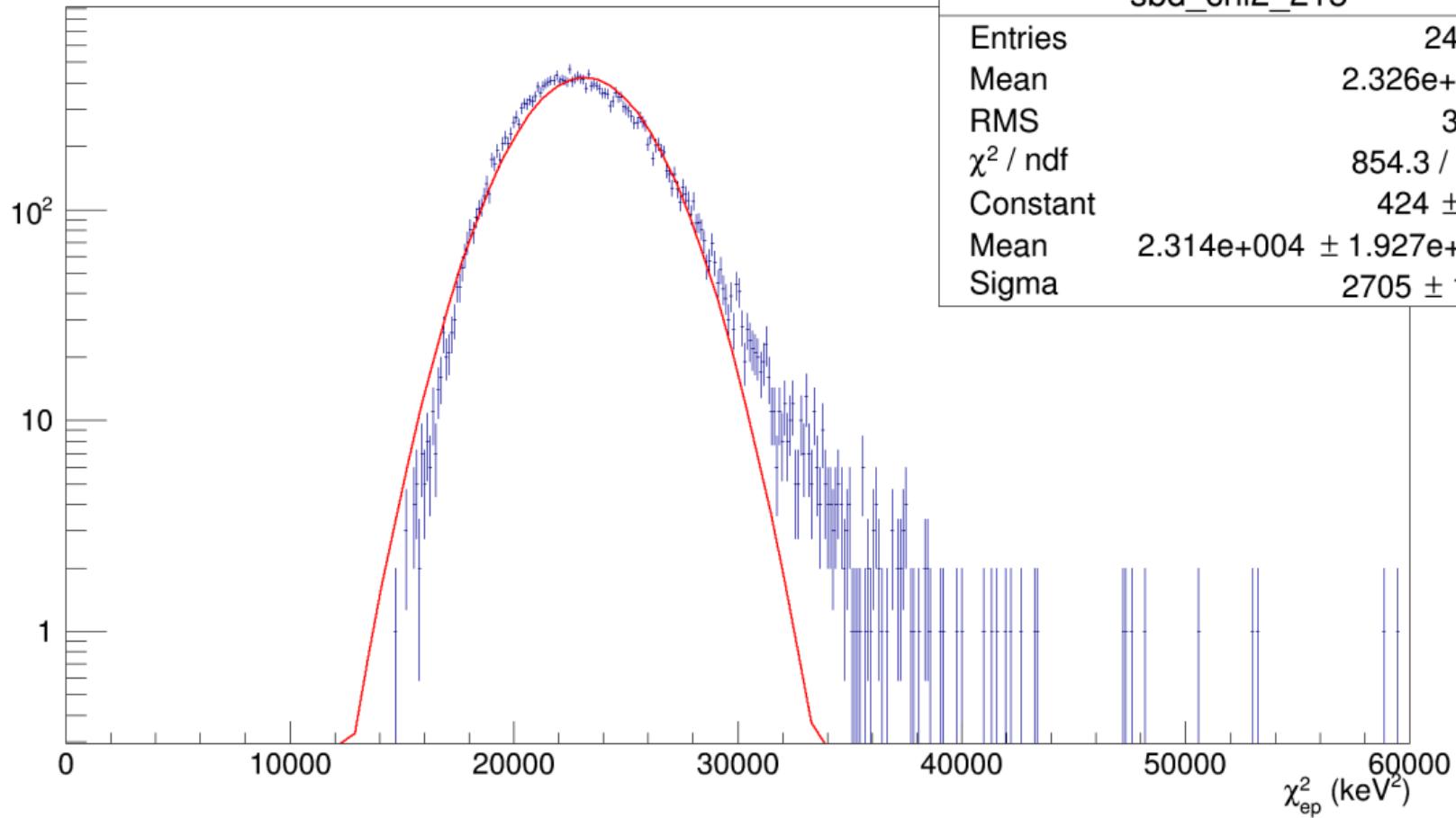
probability



sbd_chi2_214	
Entries	25003
Mean	2.319e+004
RMS	2971
χ^2 / ndf	832.6 / 194
Constant	426.1 ± 3.5
Mean	2.306e+004 ± 1.929e+001
Sigma	2720 ± 14.1

χ^2_{ep} from 215.00 keV to 216.00 keV

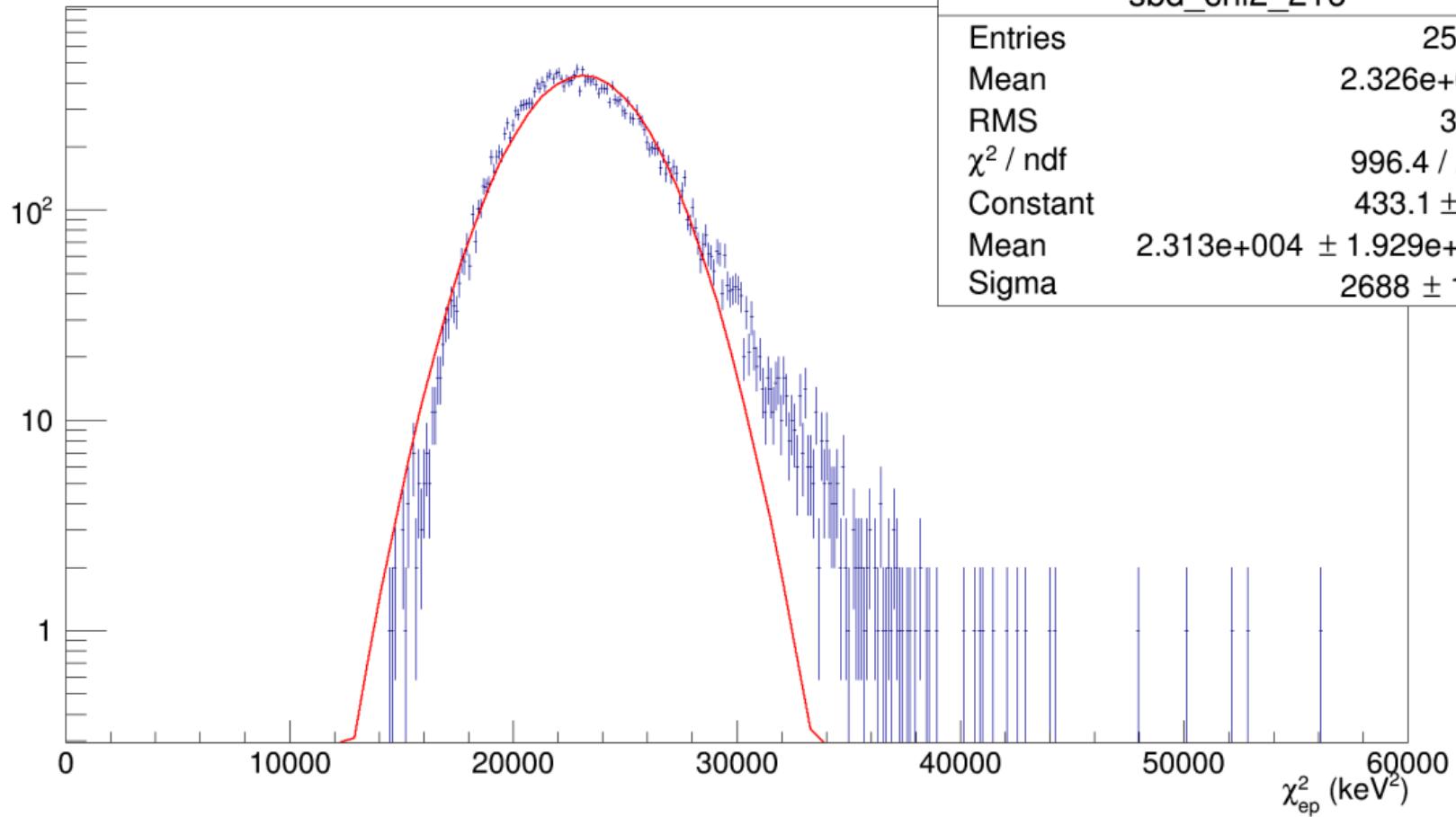
probability



sbd_chi2_215	
Entries	24778
Mean	2.326e+004
RMS	3024
χ^2 / ndf	854.3 / 207
Constant	424 ± 3.4
Mean	2.314e+004 ± 1.927e+001
Sigma	2705 ± 13.5

χ^2_{ep} from 216.00 keV to 217.00 keV

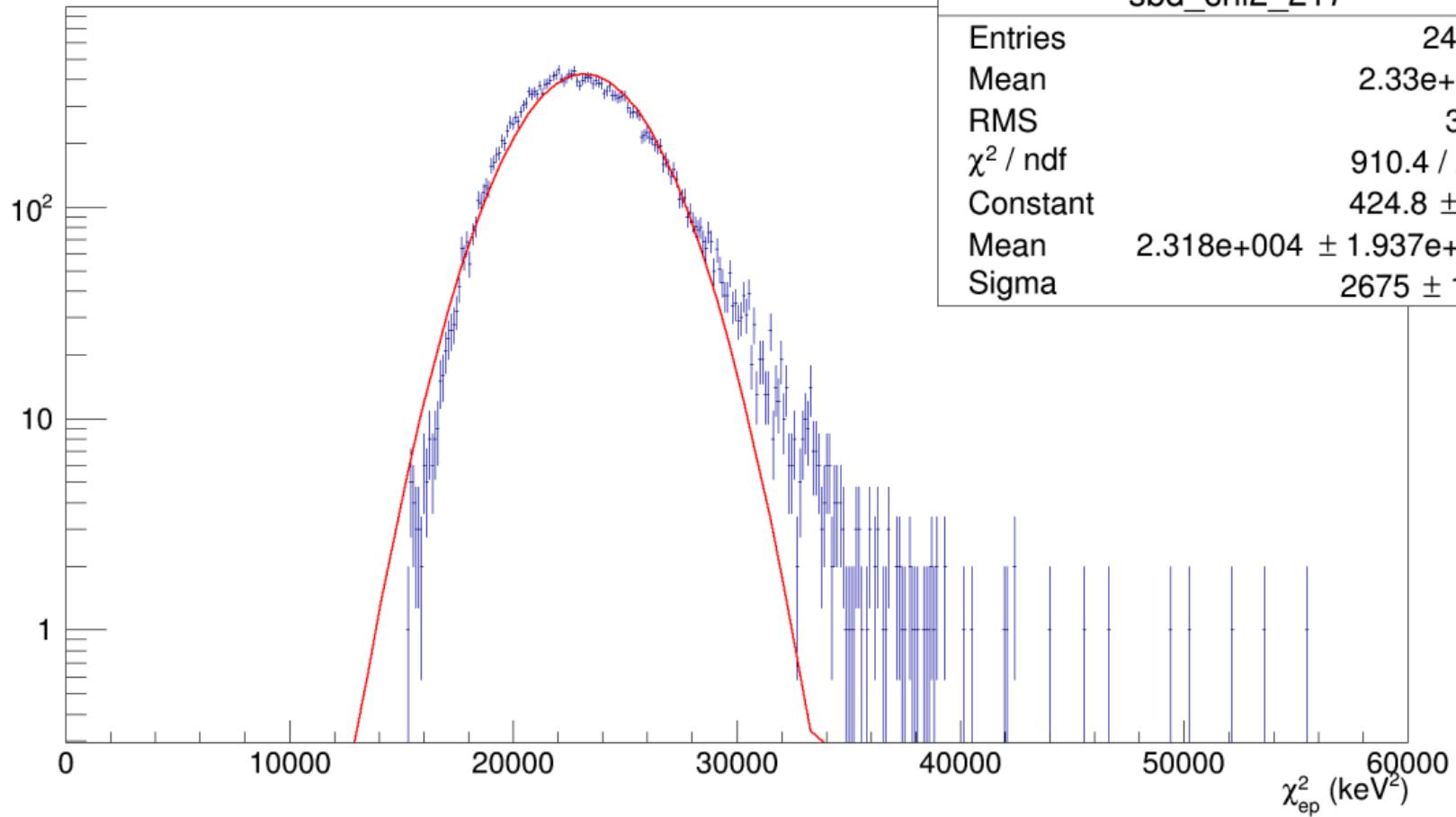
probability



sbd_chi2_216	
Entries	25294
Mean	2.326e+004
RMS	3013
χ^2 / ndf	996.4 / 206
Constant	433.1 ± 3.5
Mean	2.313e+004 ± 1.929e+001
Sigma	2688 ± 13.2

χ^2_{ep} from 217.00 keV to 218.00 keV

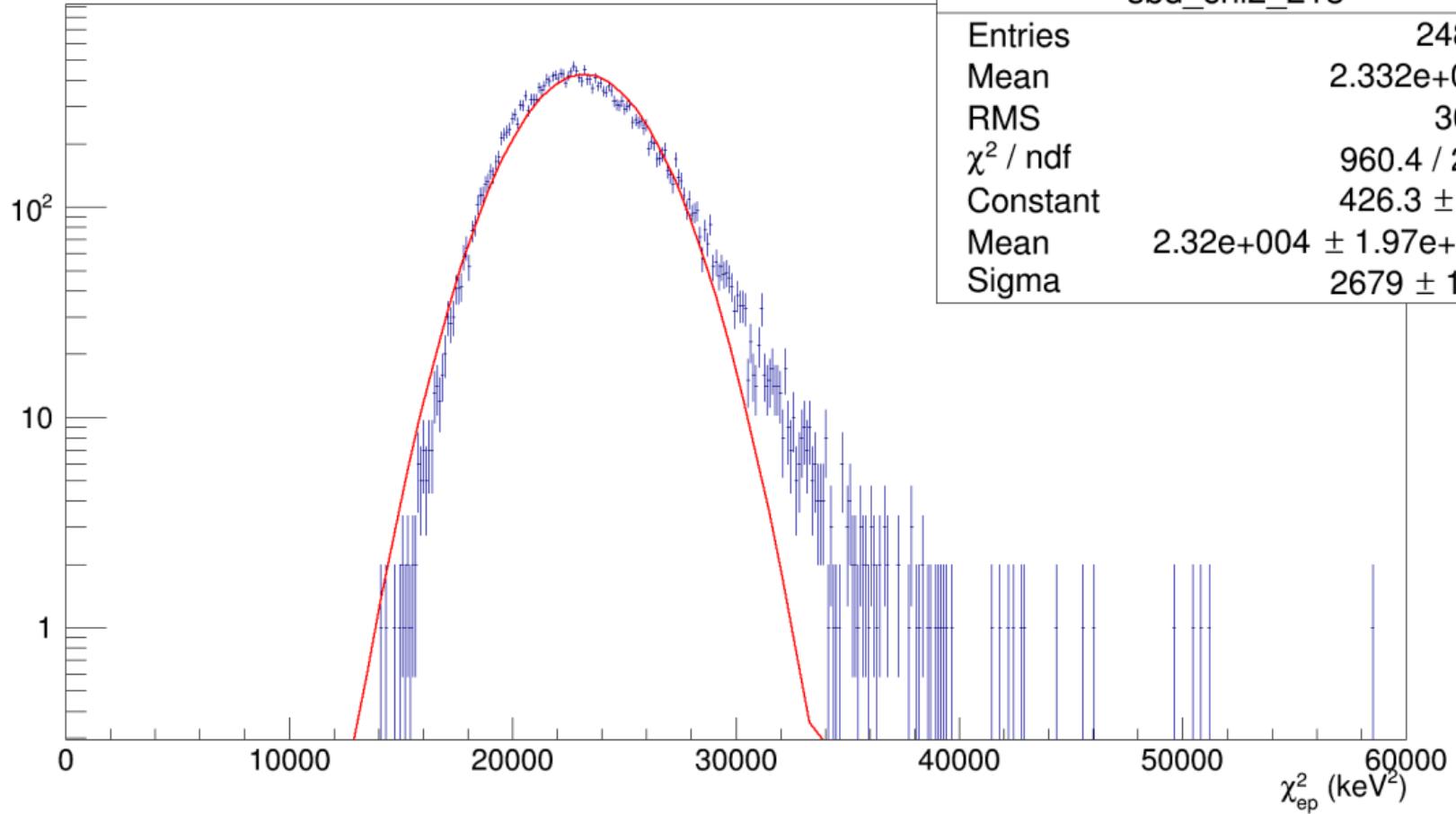
probability



sbd_chi2_217	
Entries	24626
Mean	2.33e+004
RMS	3001
χ^2 / ndf	910.4 / 202
Constant	424.8 ± 3.5
Mean	2.318e+004 ± 1.937e+001
Sigma	2675 ± 13.2

χ^2_{ep} from 218.00 keV to 219.00 keV

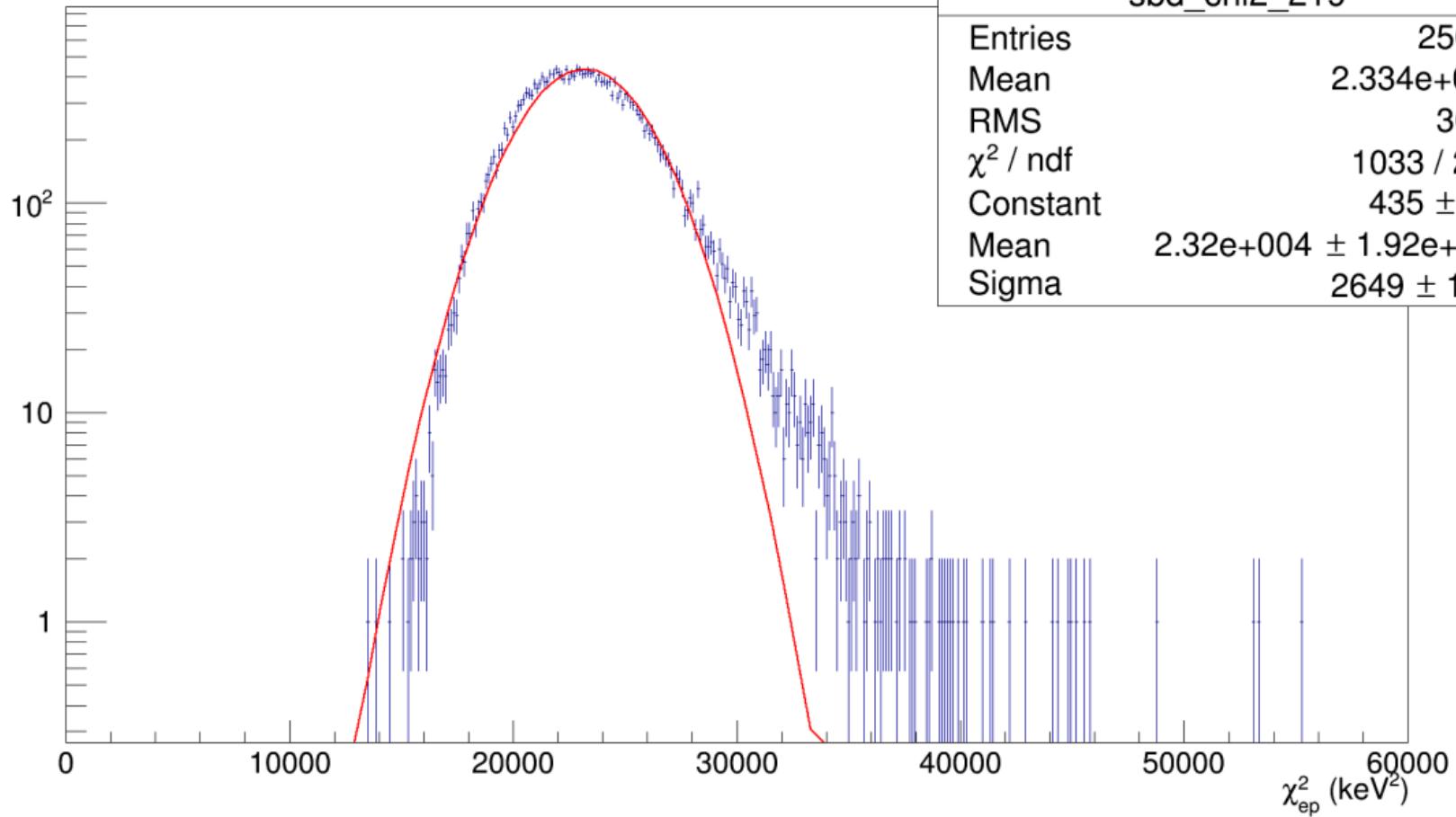
probability



sbd_chi2_218	
Entries	24820
Mean	2.332e+004
RMS	3008
χ^2 / ndf	960.4 / 209
Constant	426.3 \pm 3.4
Mean	2.32e+004 \pm 1.97e+001
Sigma	2679 \pm 13.0

χ^2_{ep} from 219.00 keV to 220.00 keV

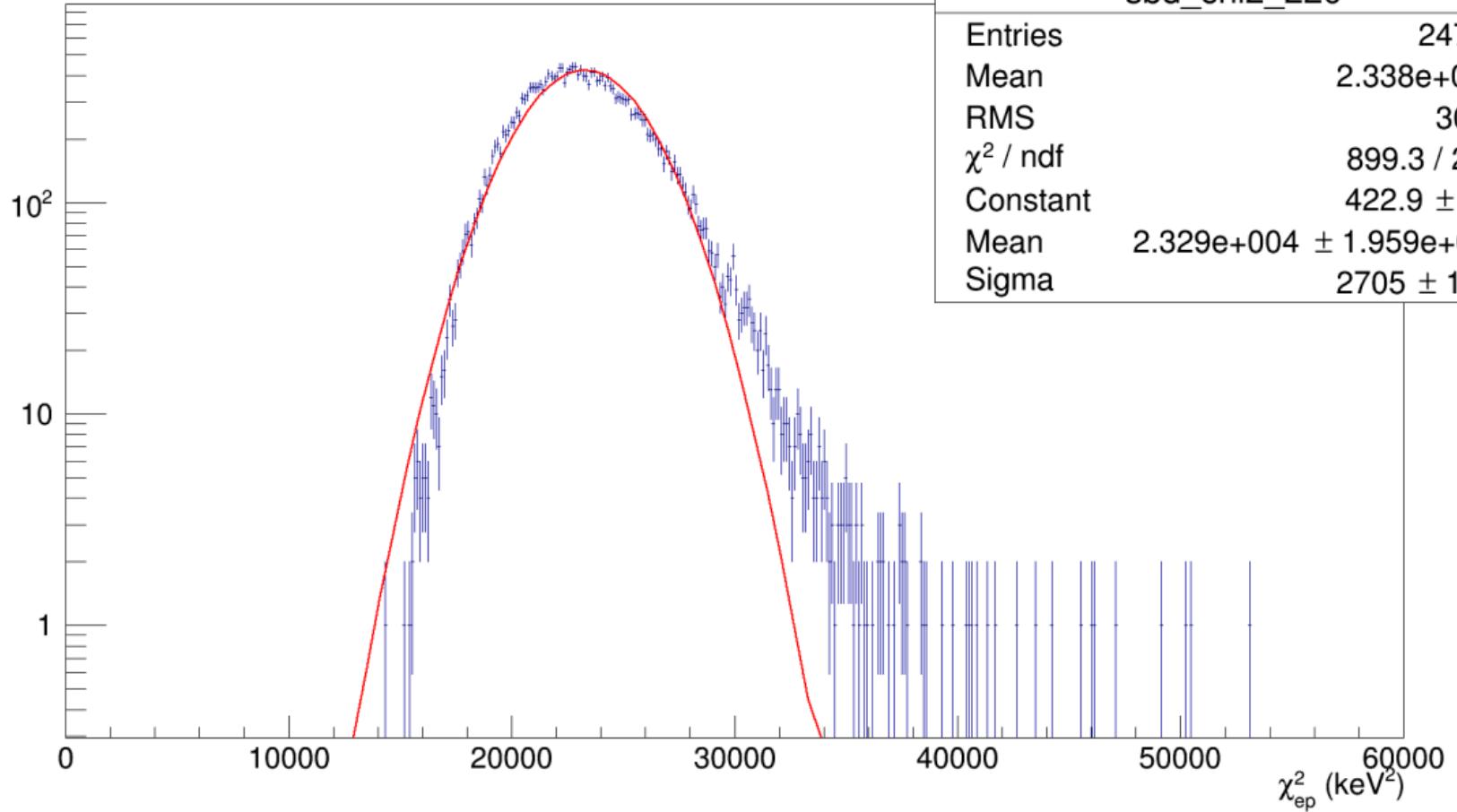
probability



sbd_chi2_219	
Entries	25094
Mean	2.334e+004
RMS	3027
χ^2 / ndf	1033 / 214
Constant	435 ± 3.5
Mean	2.32e+004 ± 1.92e+001
Sigma	2649 ± 12.8

χ^2_{ep} from 220.00 keV to 221.00 keV

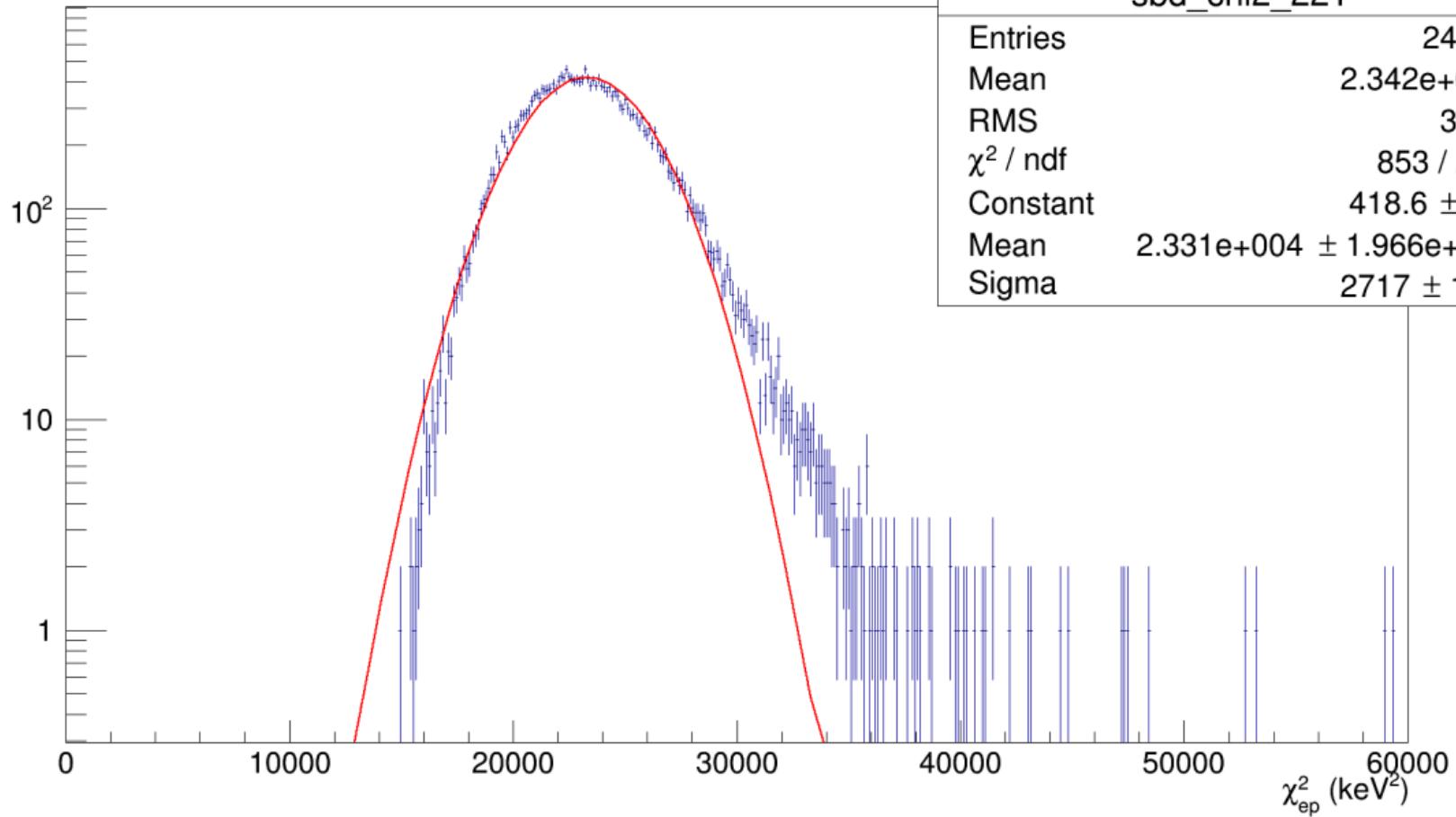
probability



sbd_chi2_220	
Entries	24773
Mean	2.338e+004
RMS	3004
χ^2 / ndf	899.3 / 203
Constant	422.9 ± 3.4
Mean	2.329e+004 ± 1.959e+001
Sigma	2705 ± 13.3

χ^2_{ep} from 221.00 keV to 222.00 keV

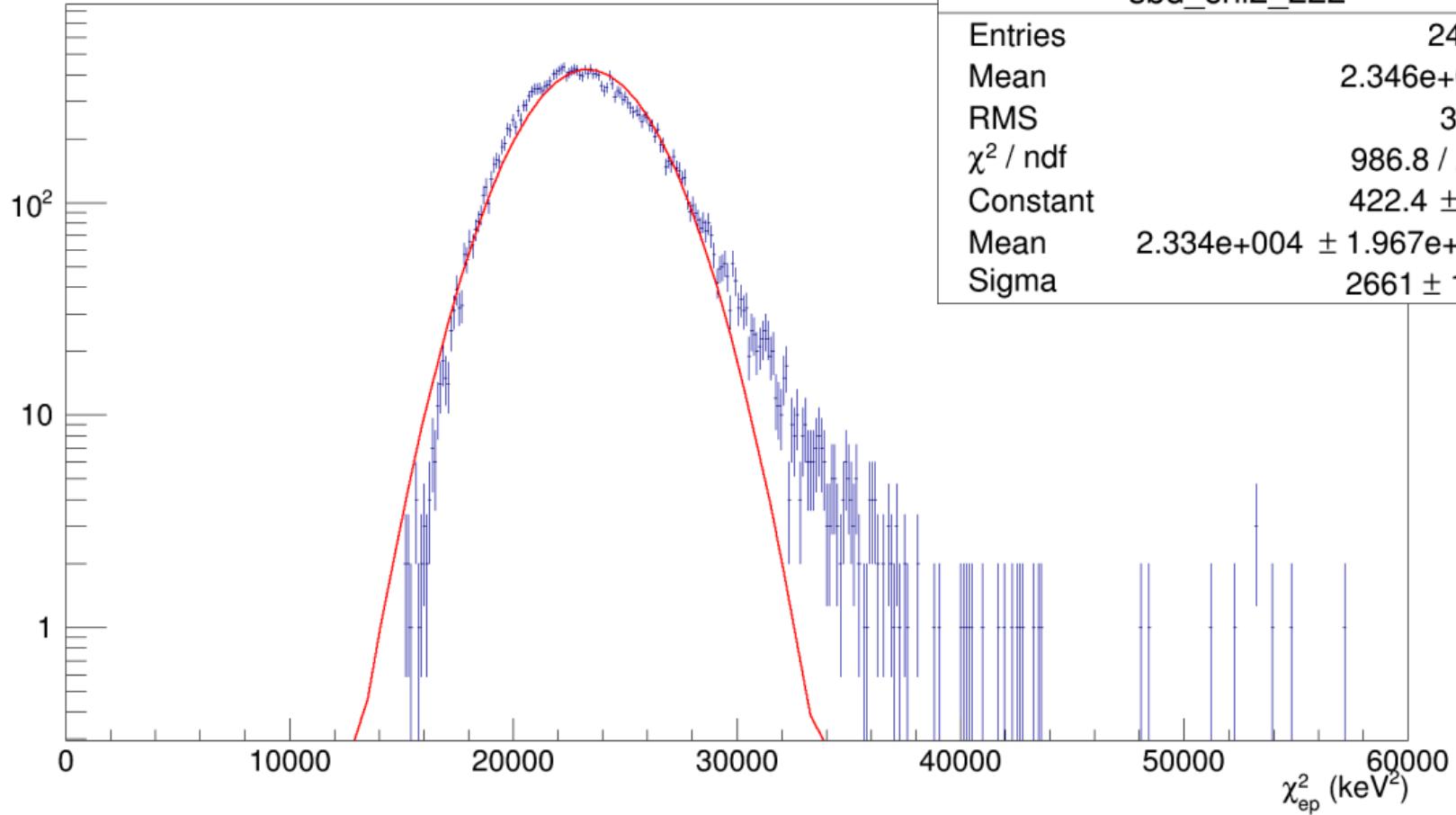
probability



sbd_chi2_221	
Entries	24589
Mean	2.342e+004
RMS	3036
χ^2 / ndf	853 / 206
Constant	418.6 ± 3.4
Mean	2.331e+004 ± 1.966e+001
Sigma	2717 ± 13.6

χ^2_{ep} from 222.00 keV to 223.00 keV

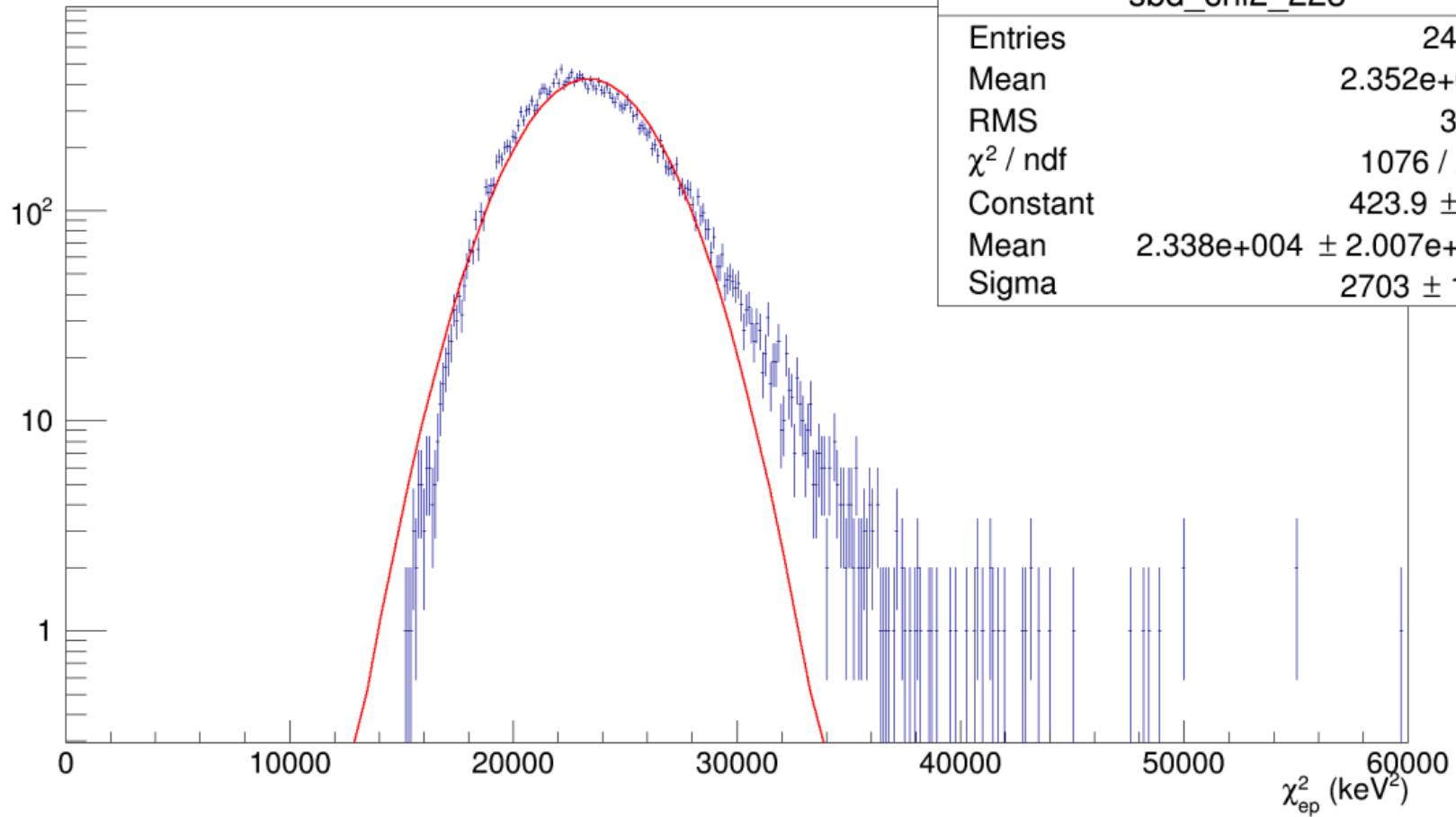
probability



sbd_chi2_222	
Entries	24451
Mean	2.346e+004
RMS	3042
χ^2 / ndf	986.8 / 206
Constant	422.4 \pm 3.4
Mean	2.334e+004 \pm 1.967e+001
Sigma	2661 \pm 13.0

χ^2_{ep} from 223.00 keV to 224.00 keV

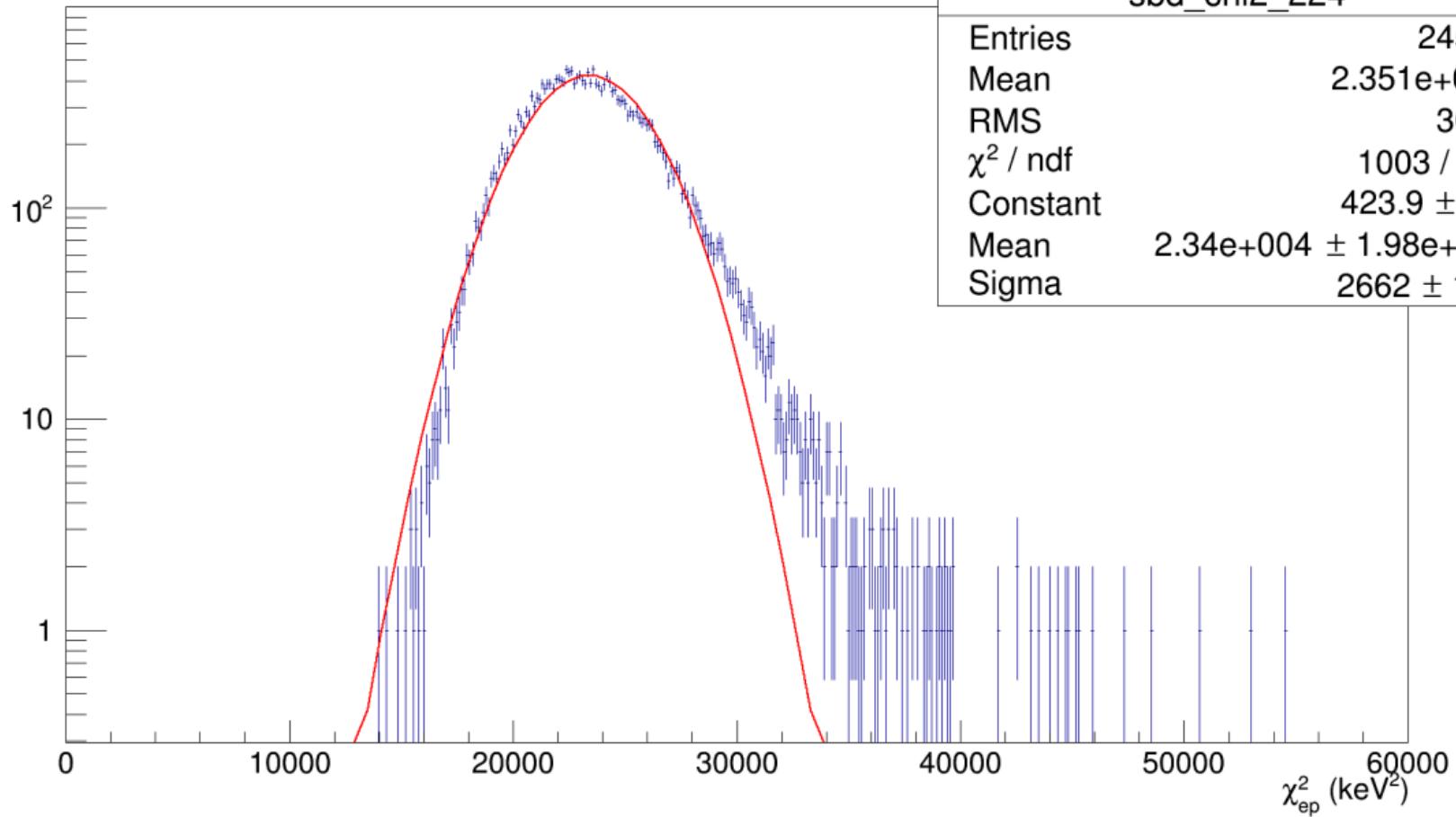
probability



sbd_chi2_223	
Entries	24990
Mean	2.352e+004
RMS	3084
χ^2 / ndf	1076 / 210
Constant	423.9 \pm 3.5
Mean	2.338e+004 \pm 2.007e+001
Sigma	2703 \pm 13.5

χ^2_{ep} from 224.00 keV to 225.00 keV

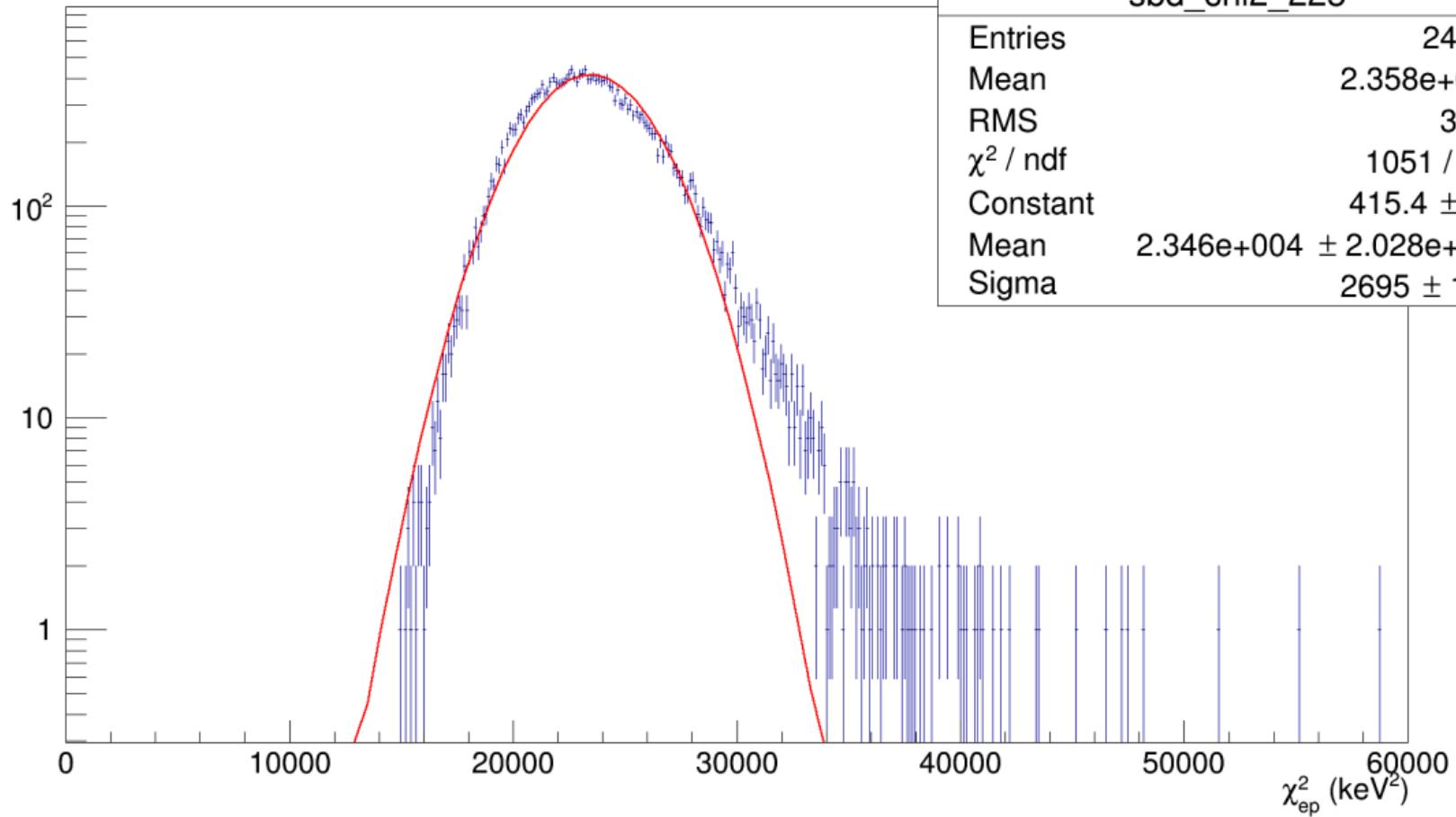
probability



sbd_chi2_224	
Entries	24559
Mean	2.351e+004
RMS	3019
χ^2 / ndf	1003 / 211
Constant	423.9 ± 3.5
Mean	2.34e+004 ± 1.98e+001
Sigma	2662 ± 13.1

χ^2_{ep} from 225.00 keV to 226.00 keV

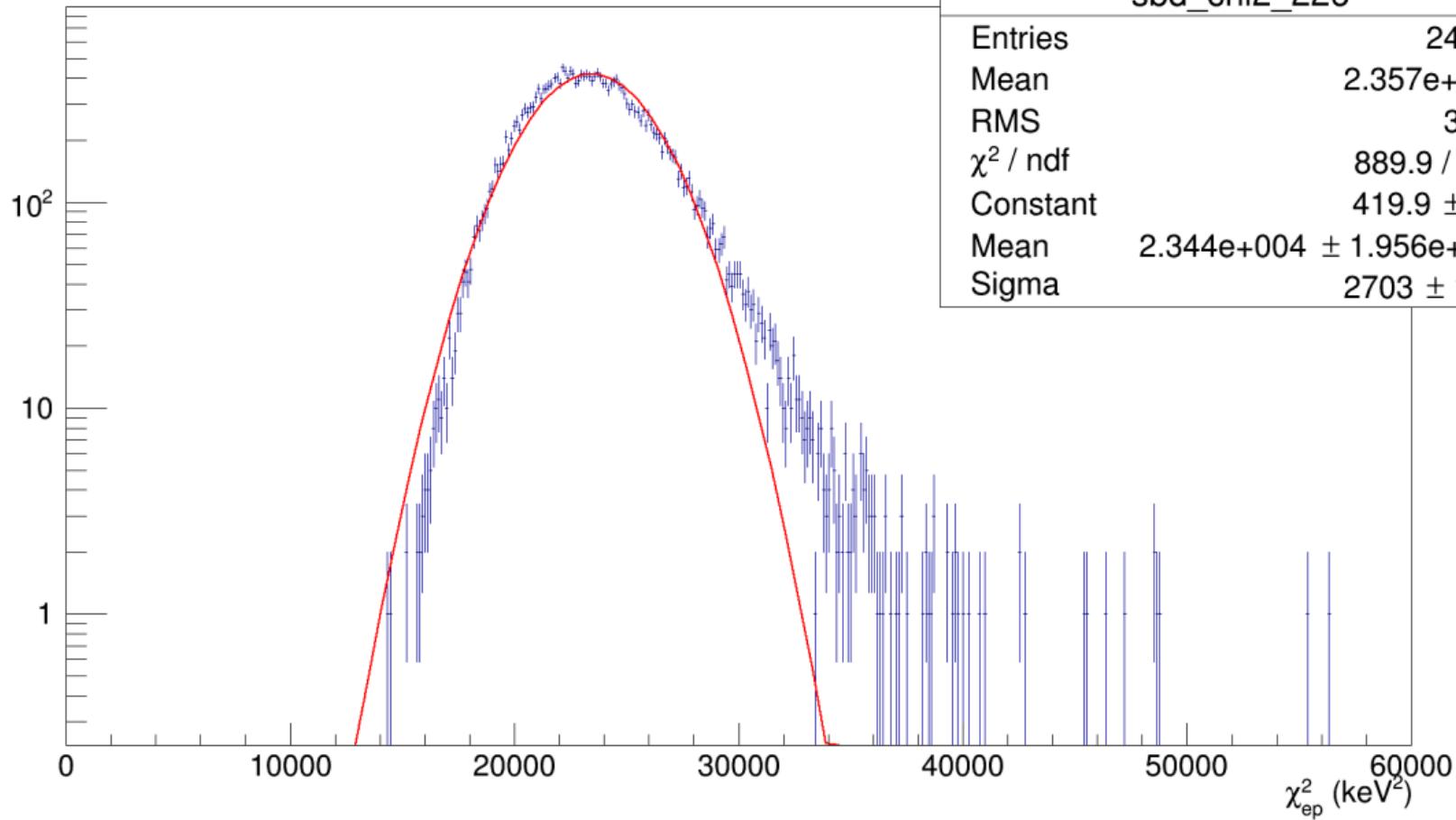
probability



sbd_chi2_225	
Entries	24433
Mean	2.358e+004
RMS	3056
χ^2 / ndf	1051 / 211
Constant	415.4 ± 3.4
Mean	2.346e+004 ± 2.028e+001
Sigma	2695 ± 13.3

χ^2_{ep} from 226.00 keV to 227.00 keV

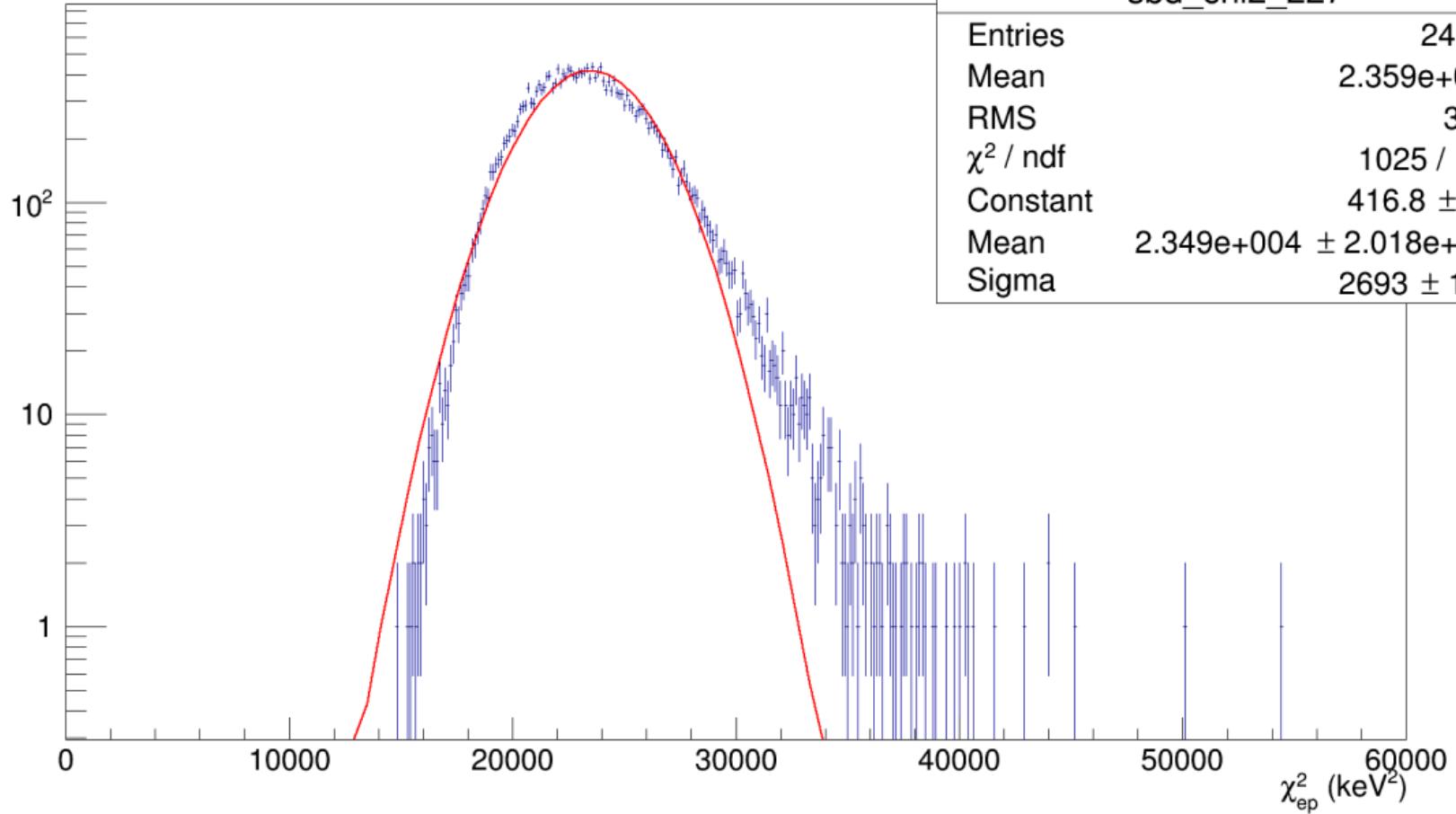
probability



sbd_chi2_226	
Entries	24575
Mean	2.357e+004
RMS	3019
χ^2 / ndf	889.9 / 203
Constant	419.9 \pm 3.5
Mean	2.344e+004 \pm 1.956e+001
Sigma	2703 \pm 13.8

χ^2_{ep} from 227.00 keV to 228.00 keV

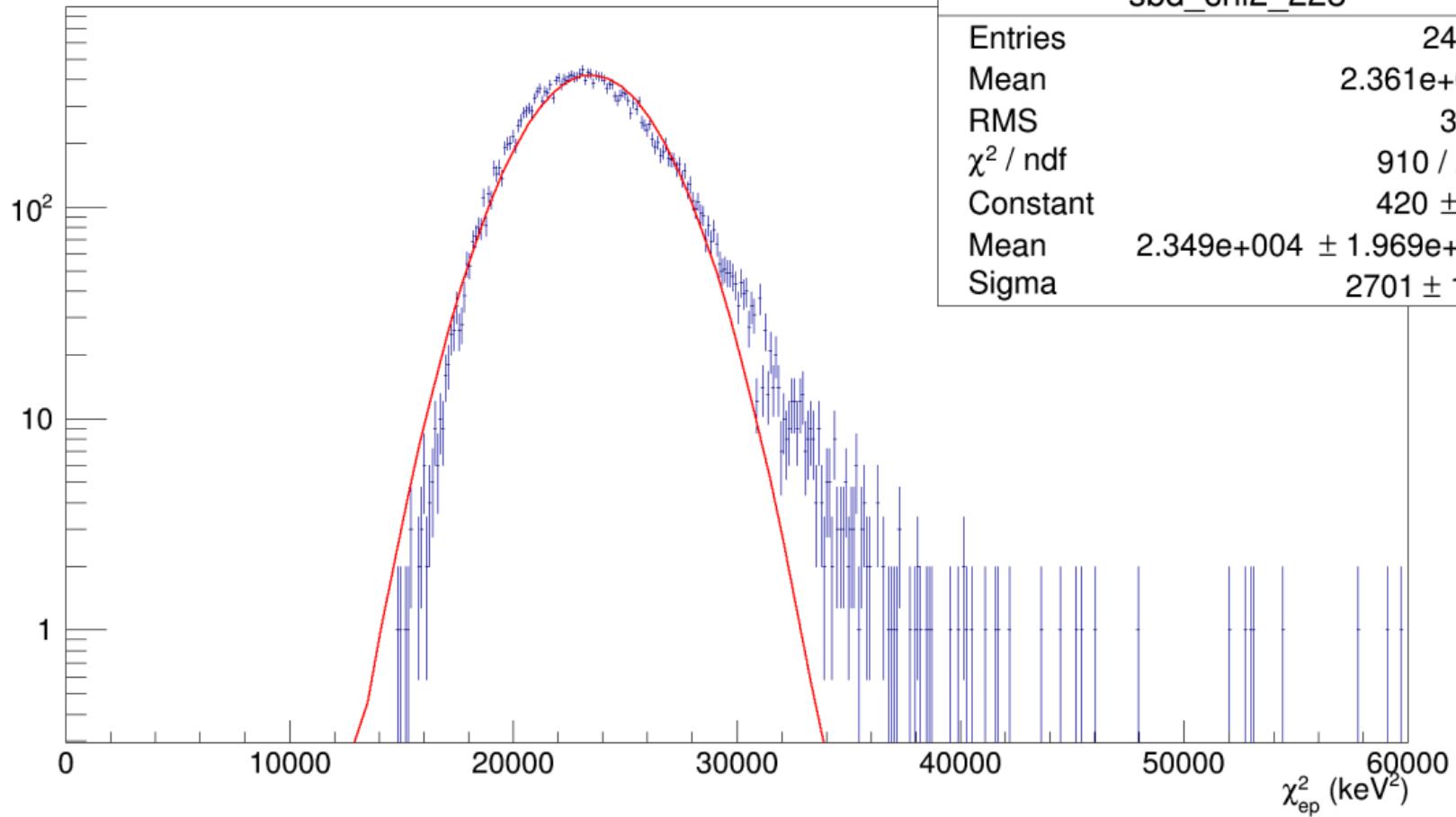
probability



sbd_chi2_227	
Entries	24460
Mean	2.359e+004
RMS	3011
χ^2 / ndf	1025 / 199
Constant	416.8 ± 3.4
Mean	2.349e+004 ± 2.018e+001
Sigma	2693 ± 13.2

χ^2_{ep} from 228.00 keV to 229.00 keV

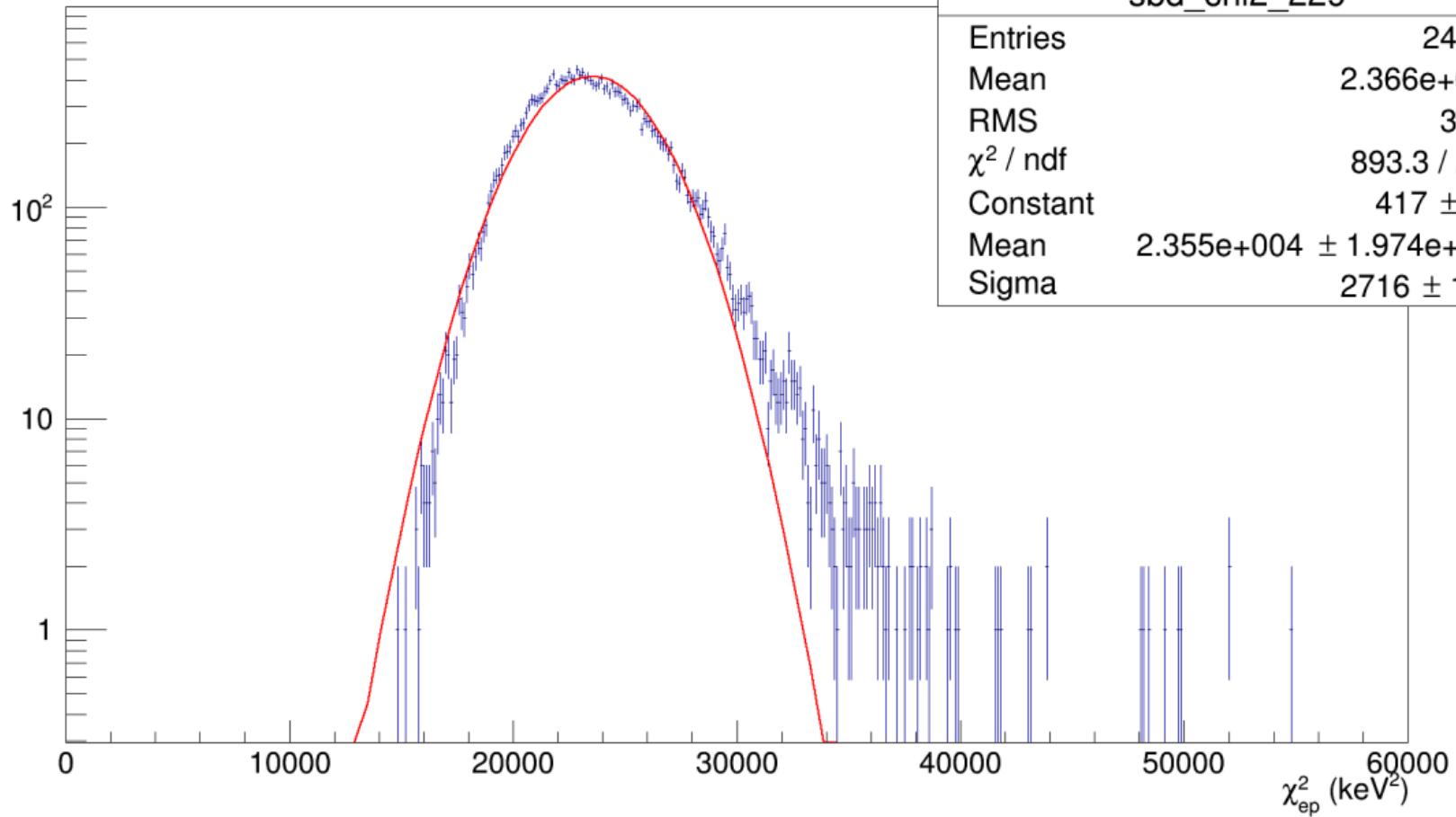
probability



sbd_chi2_228	
Entries	24594
Mean	2.361e+004
RMS	3046
χ^2 / ndf	910 / 208
Constant	420 ± 3.4
Mean	2.349e+004 ± 1.969e+001
Sigma	2701 ± 13.3

χ^2_{ep} from 229.00 keV to 230.00 keV

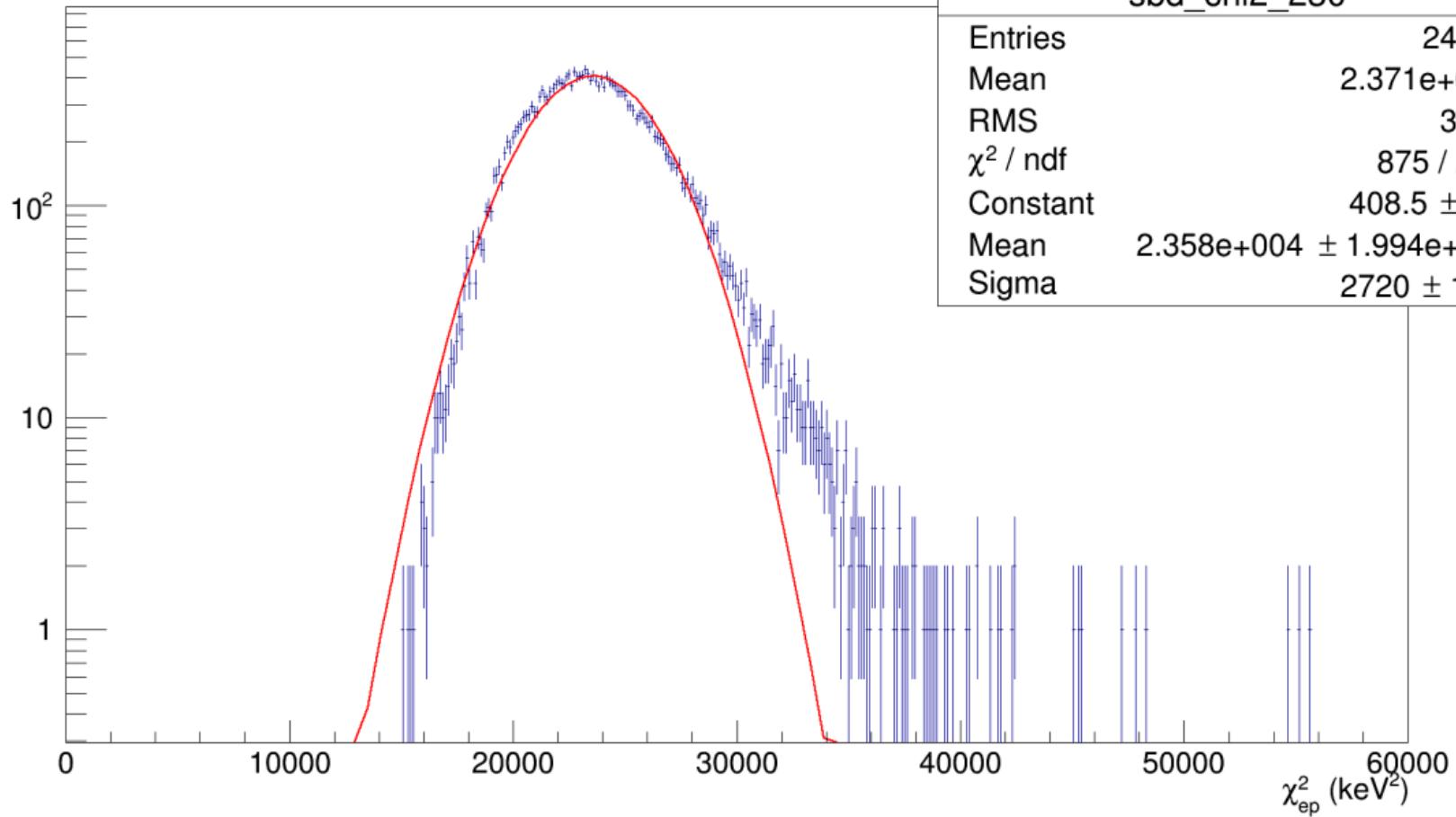
probability



sbd_chi2_229	
Entries	24535
Mean	2.366e+004
RMS	3028
χ^2 / ndf	893.3 / 202
Constant	417 ± 3.4
Mean	2.355e+004 ± 1.974e+001
Sigma	2716 ± 13.6

χ^2_{ep} from 230.00 keV to 231.00 keV

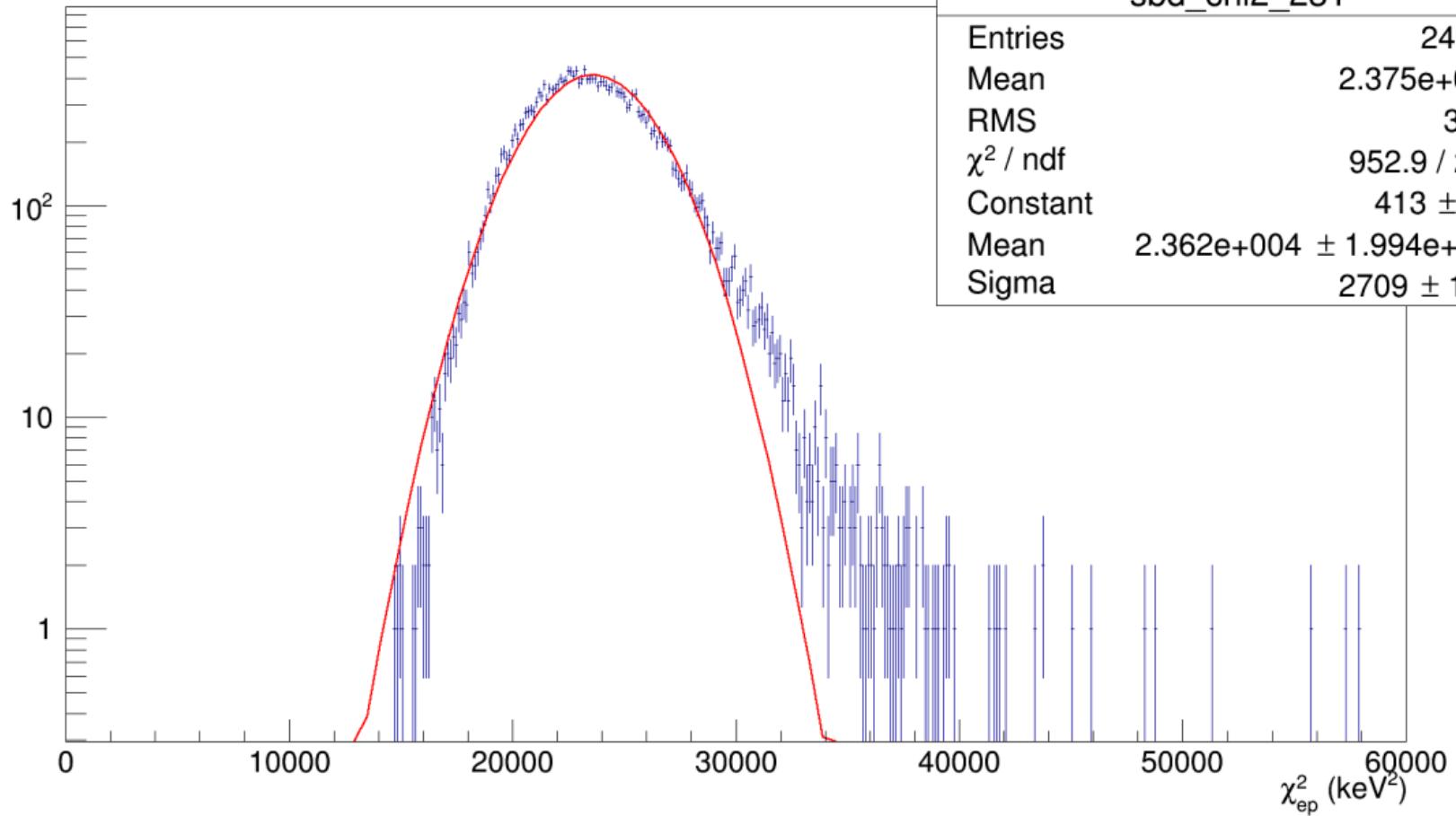
probability



sbd_chi2_230	
Entries	24050
Mean	2.371e+004
RMS	3044
χ^2 / ndf	875 / 206
Constant	408.5 ± 3.4
Mean	2.358e+004 ± 1.994e+001
Sigma	2720 ± 13.8

χ^2_{ep} from 231.00 keV to 232.00 keV

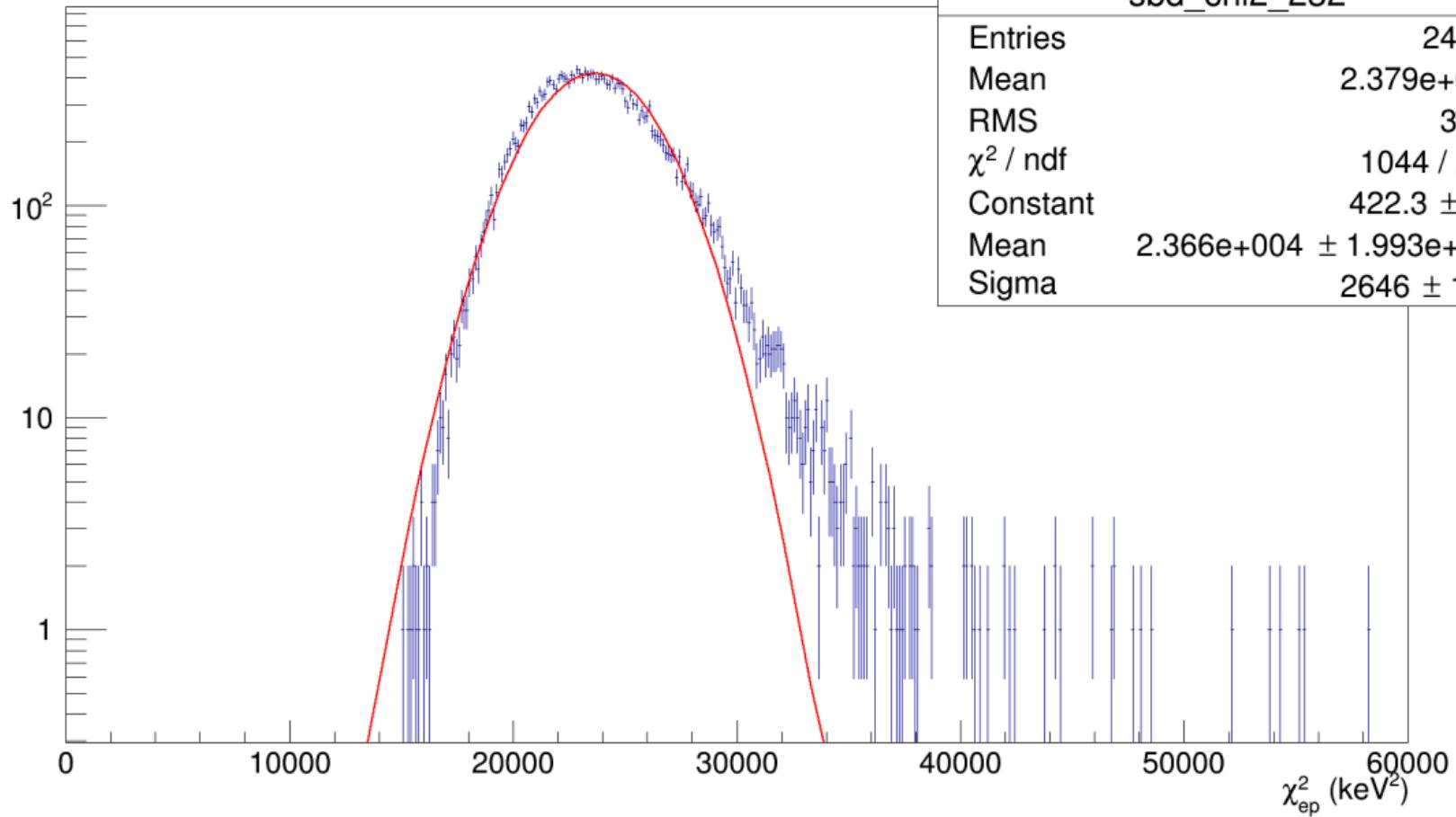
probability



sbd_chi2_231	
Entries	24312
Mean	2.375e+004
RMS	3071
χ^2 / ndf	952.9 / 212
Constant	413 ± 3.4
Mean	2.362e+004 ± 1.994e+001
Sigma	2709 ± 13.3

χ^2_{ep} from 232.00 keV to 233.00 keV

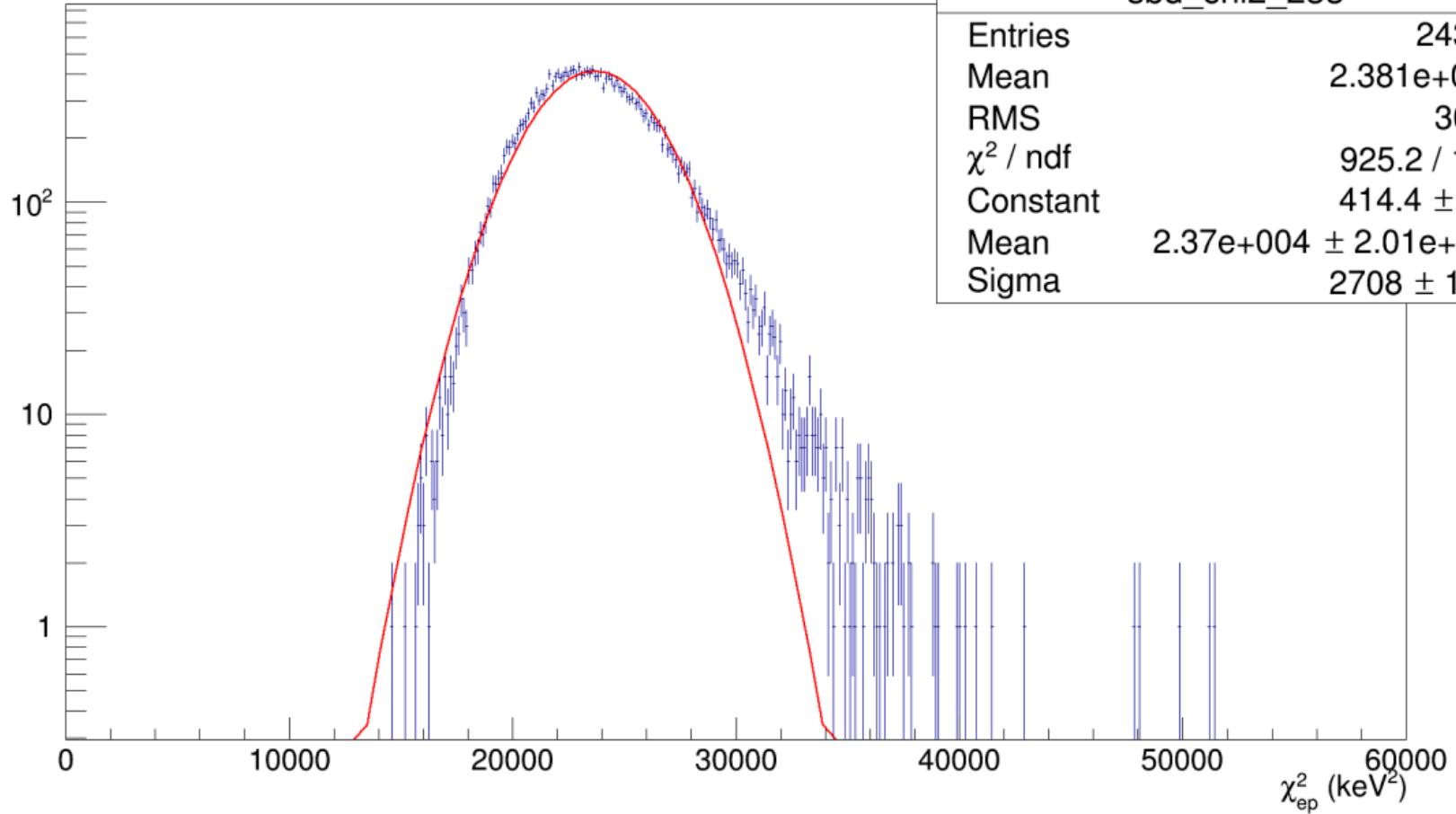
probability



sbd_chi2_232	
Entries	24385
Mean	2.379e+004
RMS	3056
χ^2 / ndf	1044 / 210
Constant	422.3 ± 3.4
Mean	2.366e+004 ± 1.993e+001
Sigma	2646 ± 12.9

χ^2_{ep} from 233.00 keV to 234.00 keV

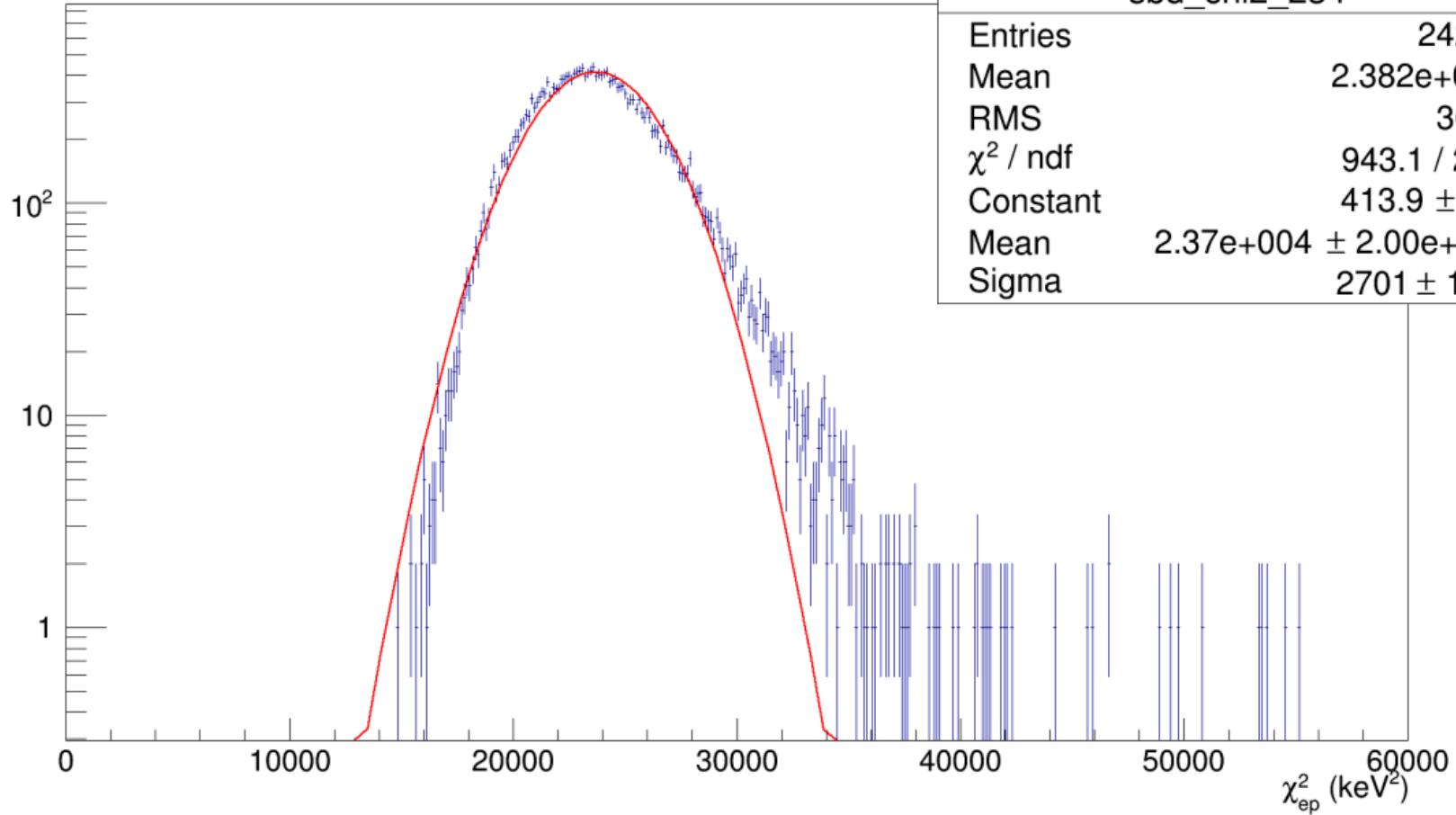
probability



sbd_chi2_233	
Entries	24352
Mean	2.381e+004
RMS	3004
χ^2 / ndf	925.2 / 195
Constant	414.4 ± 3.4
Mean	2.37e+004 ± 2.01e+001
Sigma	2708 ± 13.7

χ^2_{ep} from 234.00 keV to 235.00 keV

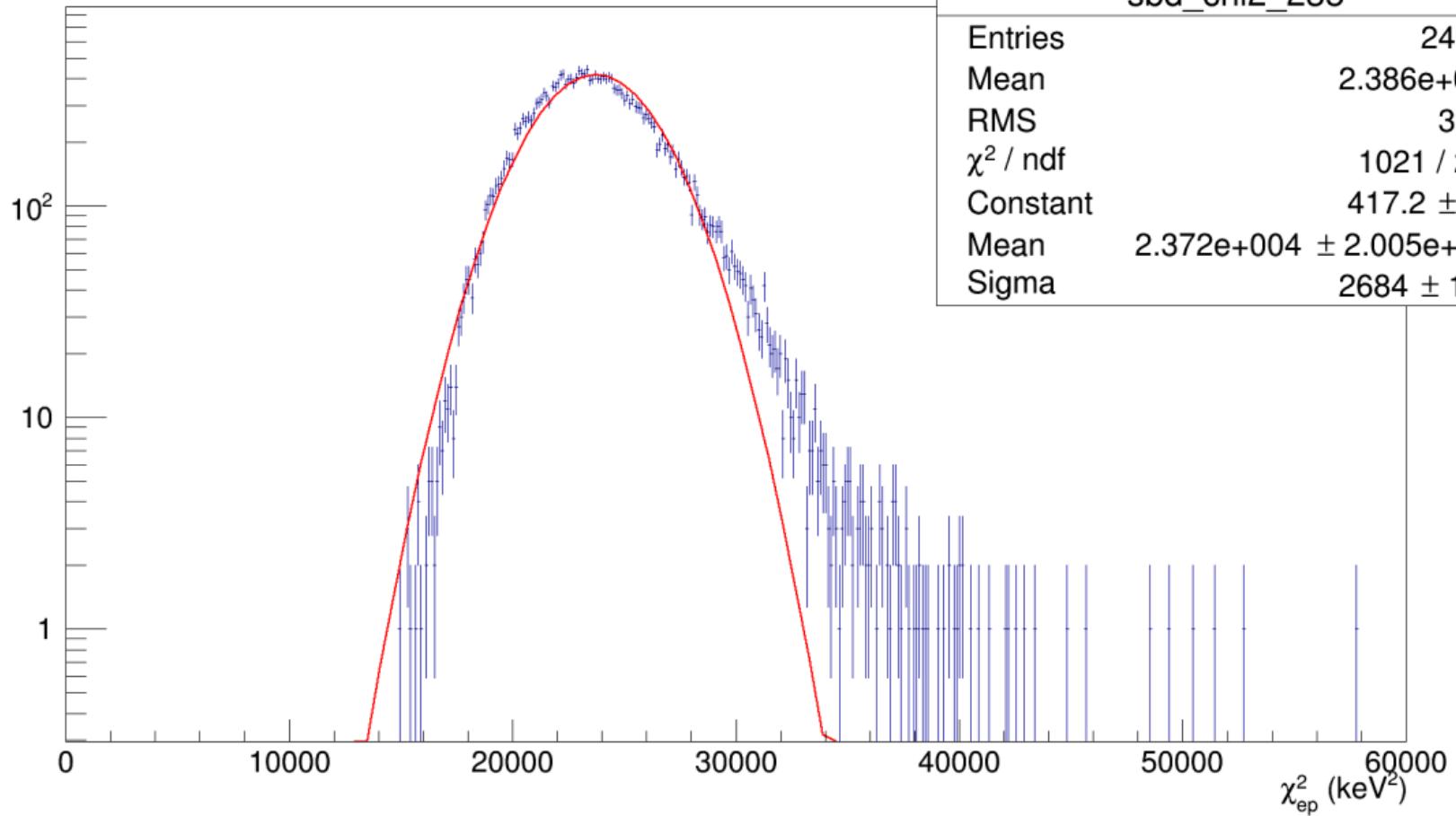
probability



sbd_chi2_234	
Entries	24280
Mean	2.382e+004
RMS	3053
χ^2 / ndf	943.1 / 207
Constant	413.9 \pm 3.4
Mean	2.37e+004 \pm 2.00e+001
Sigma	2701 \pm 13.6

χ^2_{ep} from 235.00 keV to 236.00 keV

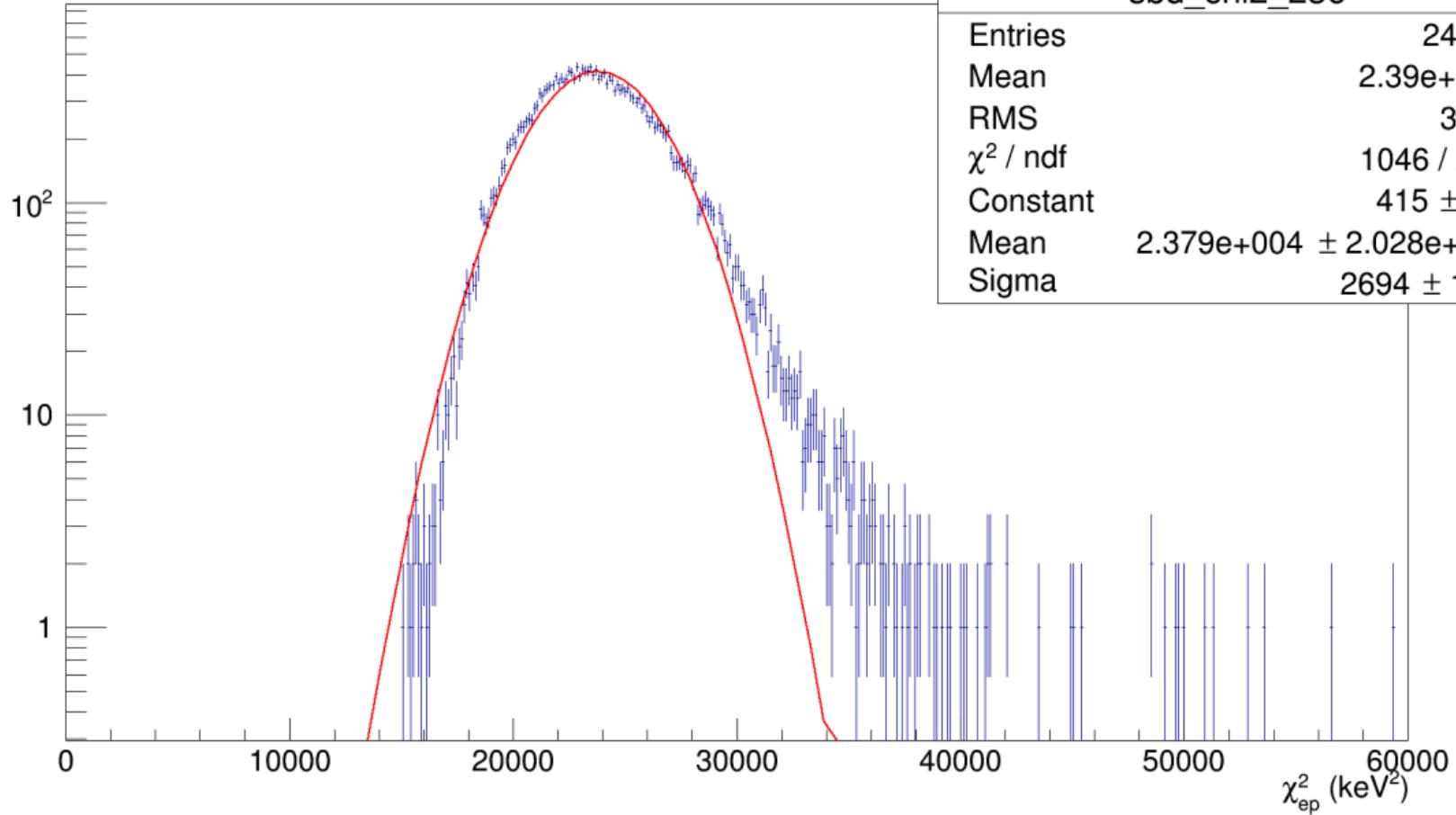
probability



sbd_chi2_235	
Entries	24409
Mean	2.386e+004
RMS	3050
χ^2 / ndf	1021 / 209
Constant	417.2 ± 3.4
Mean	2.372e+004 ± 2.005e+001
Sigma	2684 ± 13.6

χ^2_{ep} from 236.00 keV to 237.00 keV

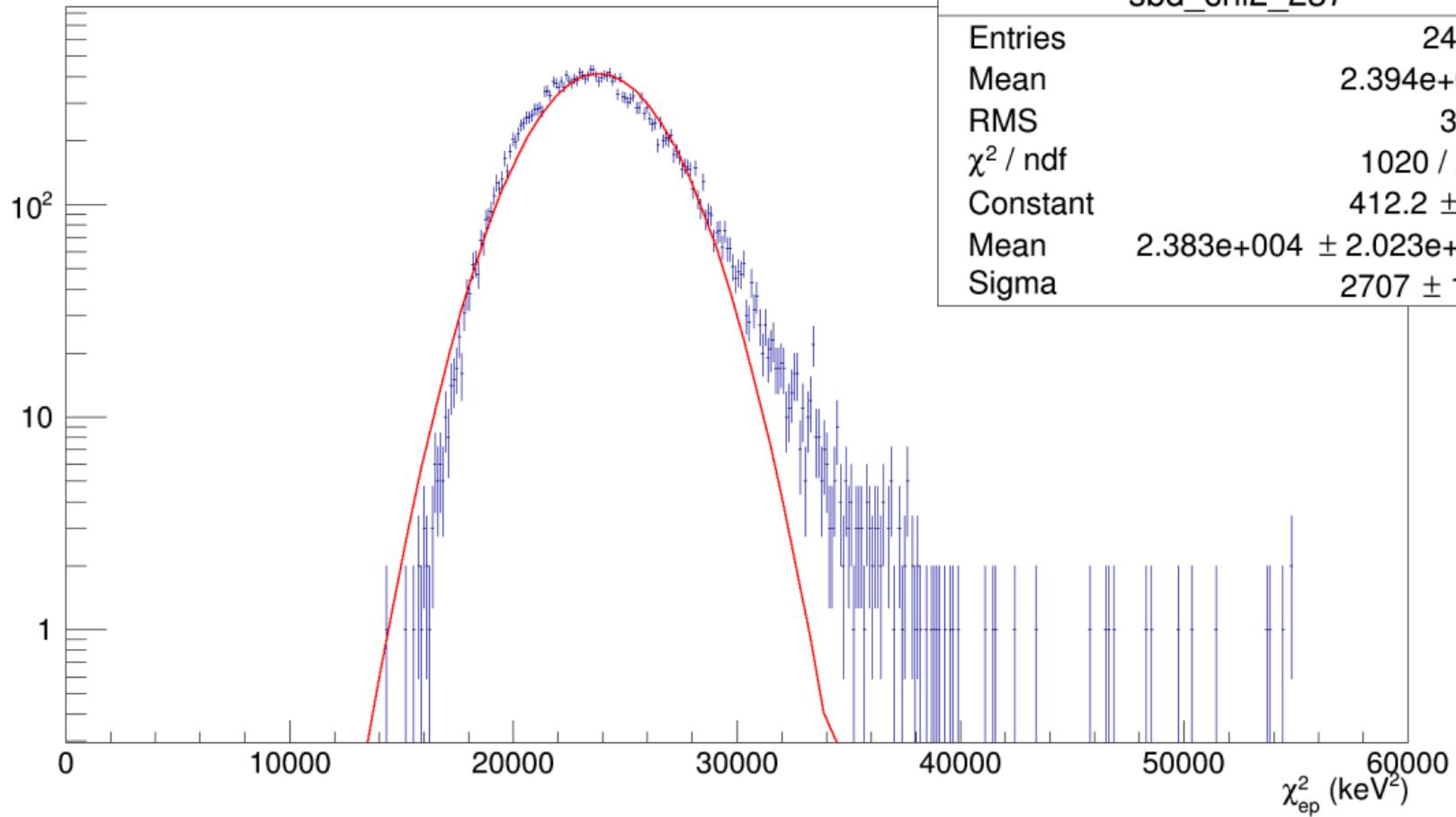
probability



sbd_chi2_236	
Entries	24398
Mean	2.39e+004
RMS	3094
χ^2 / ndf	1046 / 215
Constant	415 ± 3.4
Mean	2.379e+004 ± 2.028e+001
Sigma	2694 ± 13.2

χ^2_{ep} from 237.00 keV to 238.00 keV

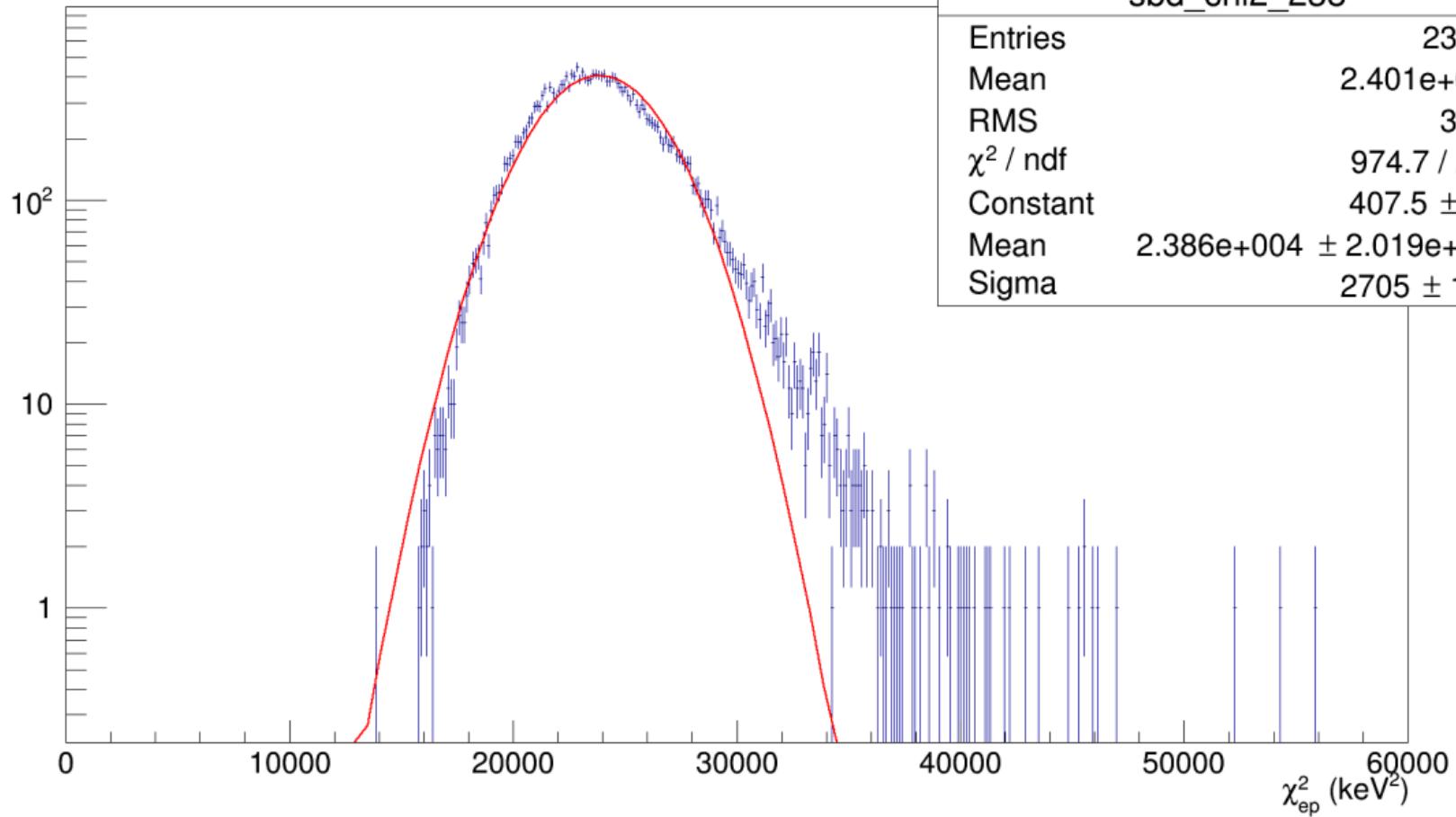
probability



sbd_chi2_237	
Entries	24319
Mean	2.394e+004
RMS	3084
χ^2 / ndf	1020 / 212
Constant	412.2 ± 3.4
Mean	2.383e+004 ± 2.023e+001
Sigma	2707 ± 13.2

χ^2_{ep} from 238.00 keV to 239.00 keV

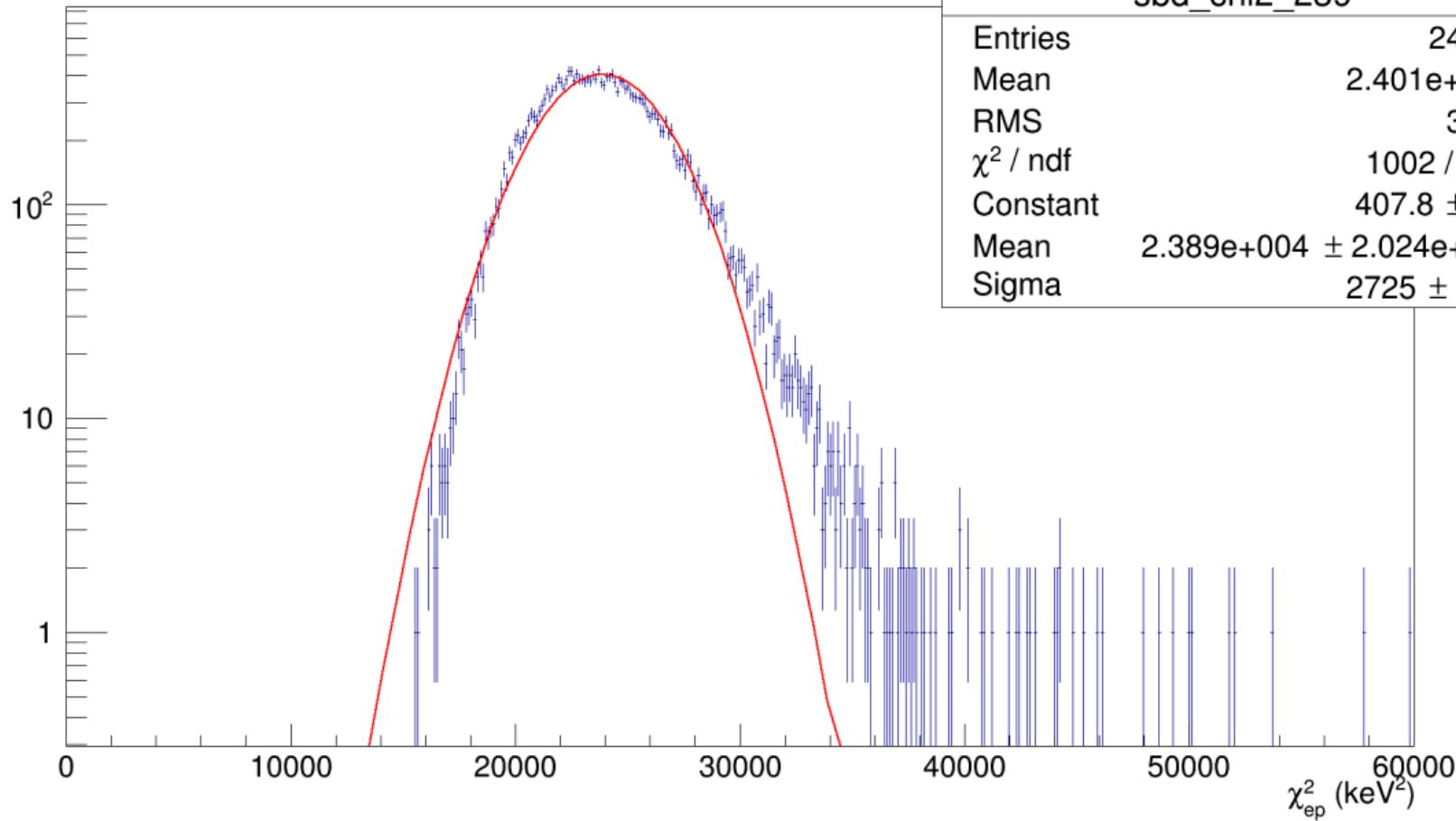
probability



sbd_chi2_238	
Entries	23979
Mean	2.401e+004
RMS	3074
χ^2 / ndf	974.7 / 209
Constant	407.5 ± 3.4
Mean	2.386e+004 ± 2.019e+001
Sigma	2705 ± 13.9

χ^2_{ep} from 239.00 keV to 240.00 keV

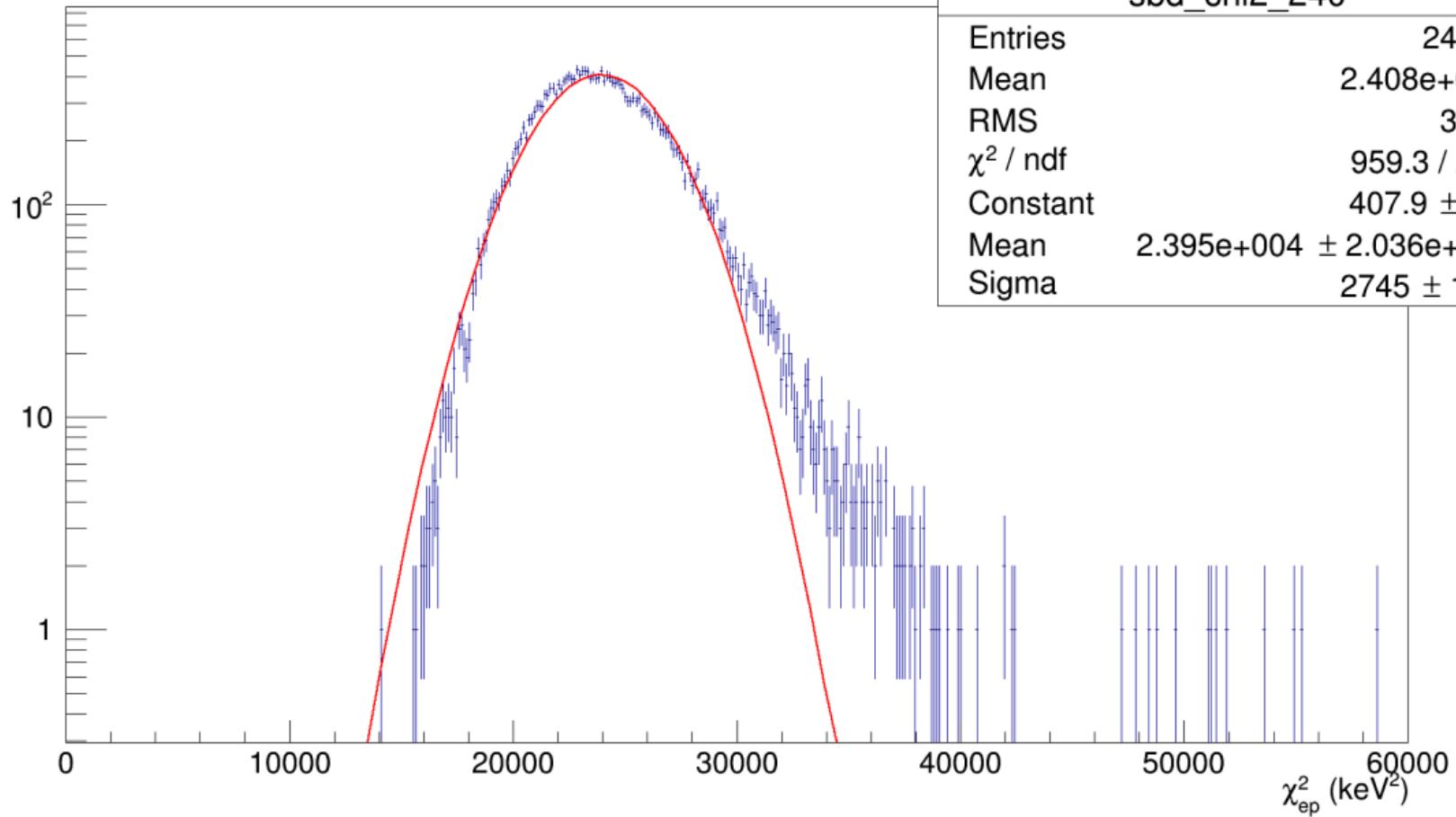
probability



sbd_chi2_239	
Entries	24186
Mean	2.401e+004
RMS	3095
χ^2 / ndf	1002 / 213
Constant	407.8 ± 3.4
Mean	2.389e+004 ± 2.024e+001
Sigma	2725 ± 13.8

χ^2_{ep} from 240.00 keV to 241.00 keV

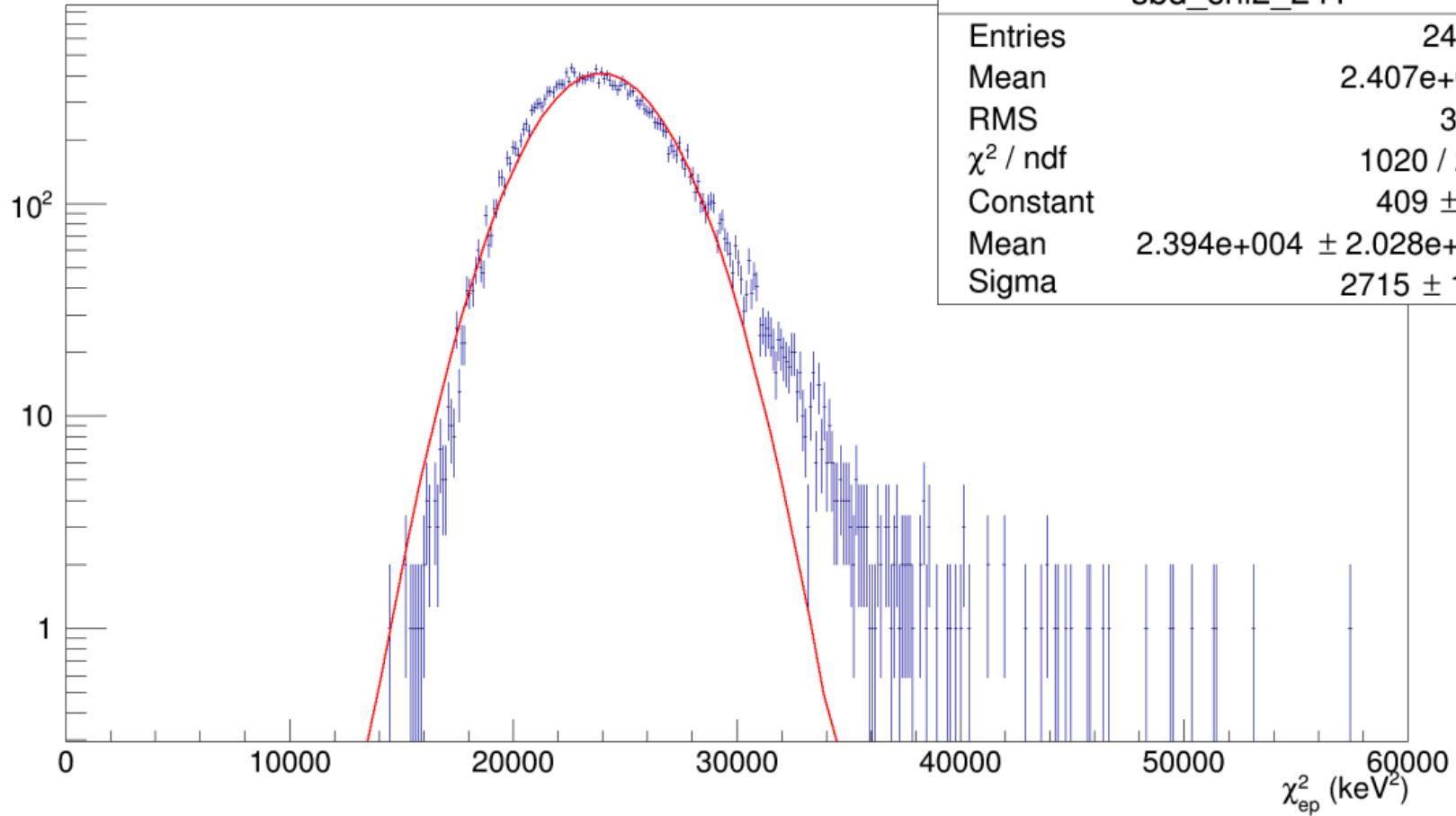
probability



sbd_chi2_240	
Entries	24338
Mean	2.408e+004
RMS	3102
χ^2 / ndf	959.3 / 206
Constant	407.9 ± 3.4
Mean	2.395e+004 ± 2.036e+001
Sigma	2745 ± 14.0

χ^2_{ep} from 241.00 keV to 242.00 keV

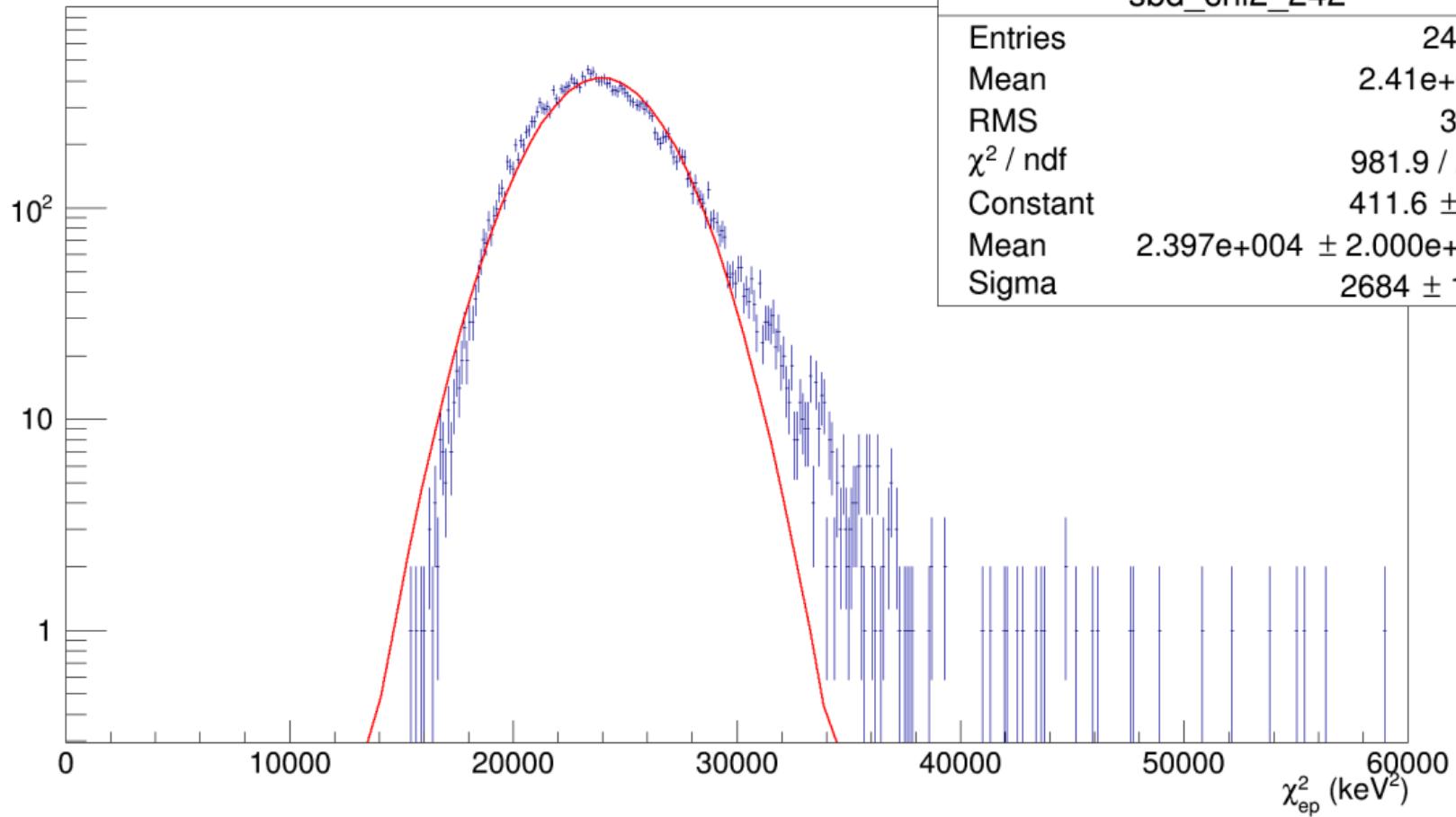
probability



sbd_chi2_241	
Entries	24209
Mean	2.407e+004
RMS	3105
χ^2 / ndf	1020 / 217
Constant	409 ± 3.4
Mean	2.394e+004 ± 2.028e+001
Sigma	2715 ± 13.5

χ^2_{ep} from 242.00 keV to 243.00 keV

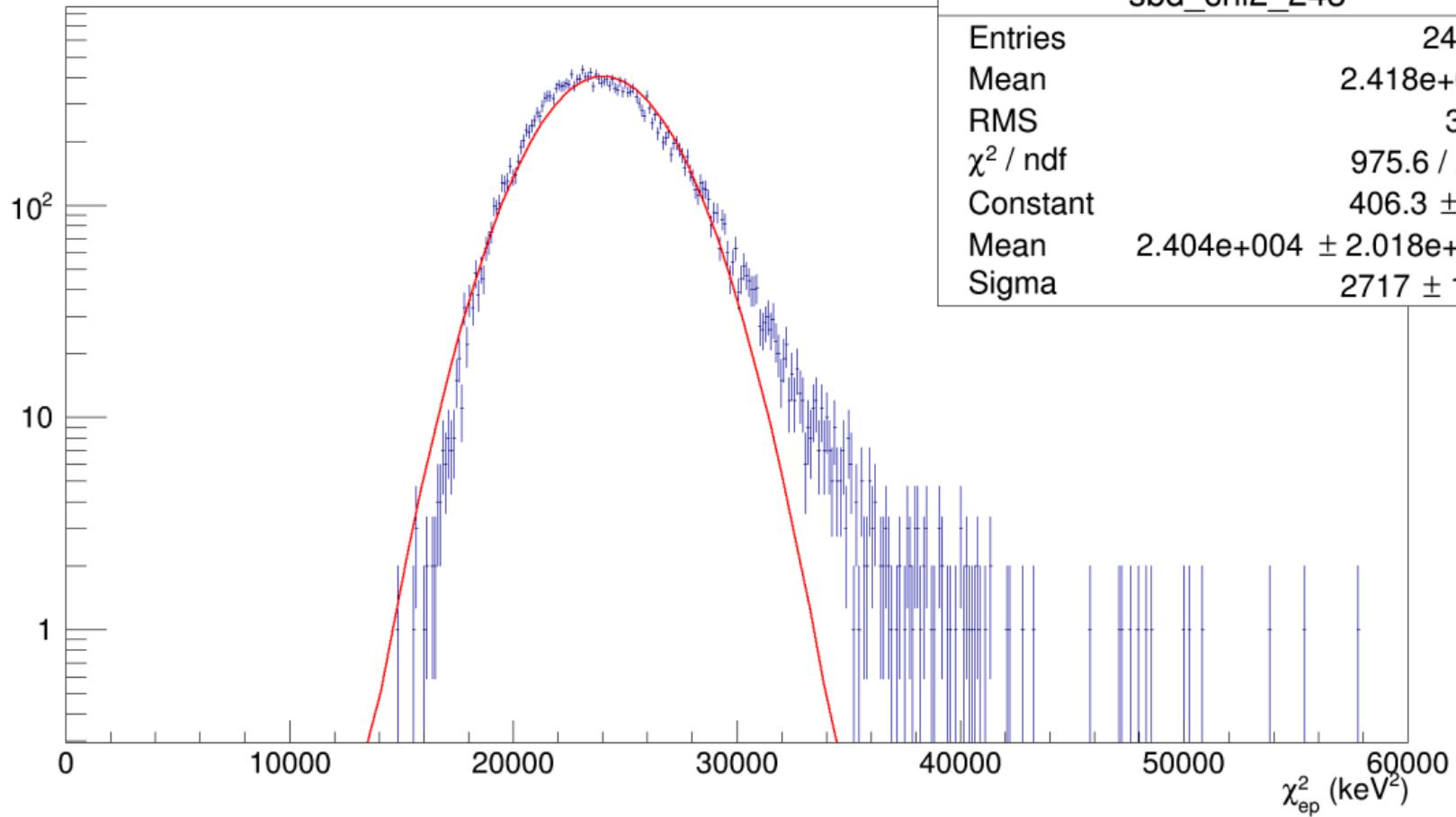
probability



sbd_chi2_242	
Entries	24044
Mean	2.41e+004
RMS	3068
χ^2 / ndf	981.9 / 205
Constant	411.6 ± 3.4
Mean	2.397e+004 ± 2.000e+001
Sigma	2684 ± 13.3

χ^2_{ep} from 243.00 keV to 244.00 keV

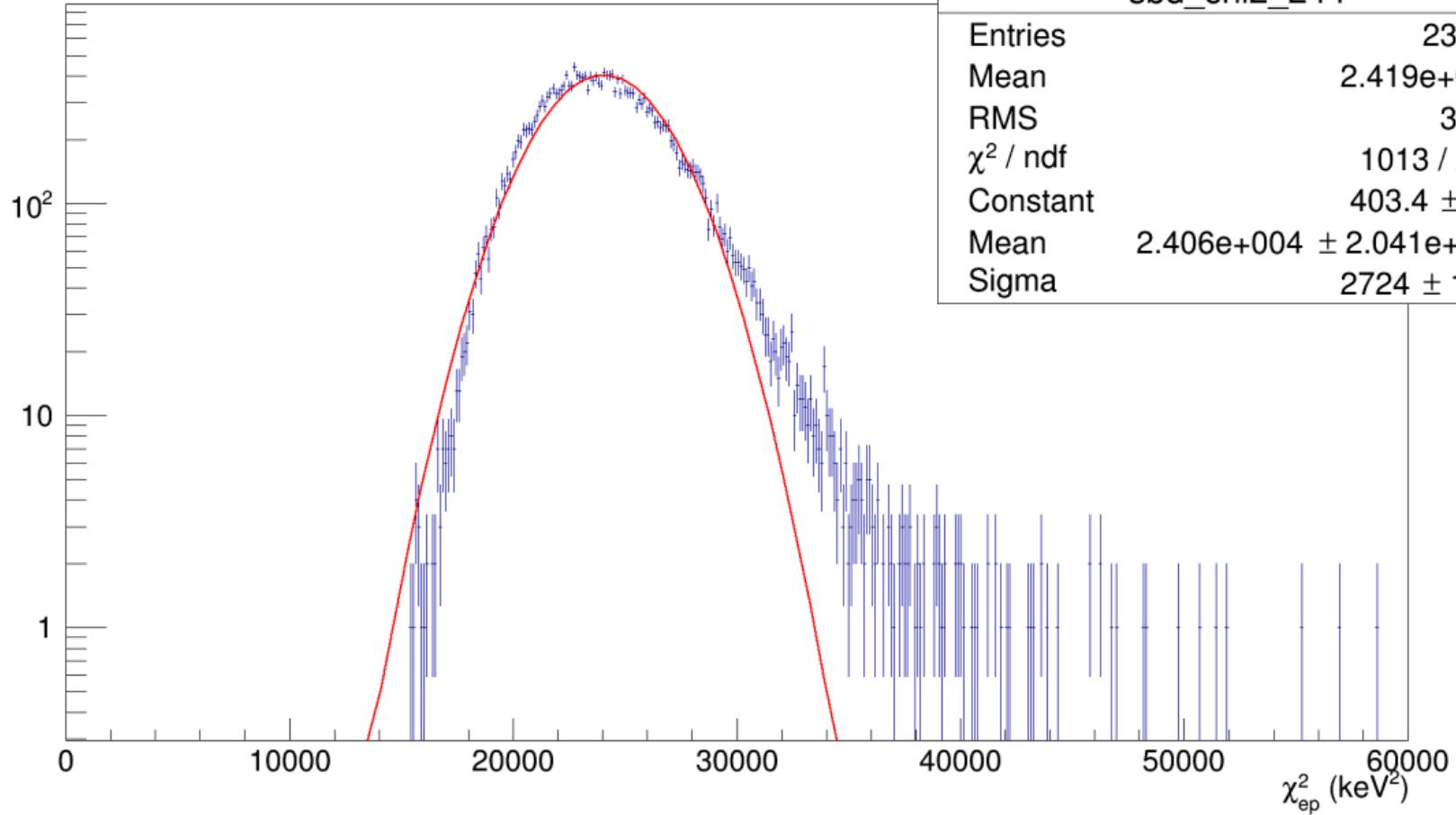
probability



sbd_chi2_243	
Entries	24018
Mean	2.418e+004
RMS	3101
χ^2 / ndf	975.6 / 218
Constant	406.3 ± 3.4
Mean	2.404e+004 ± 2.018e+001
Sigma	2717 ± 13.8

χ^2_{ep} from 244.00 keV to 245.00 keV

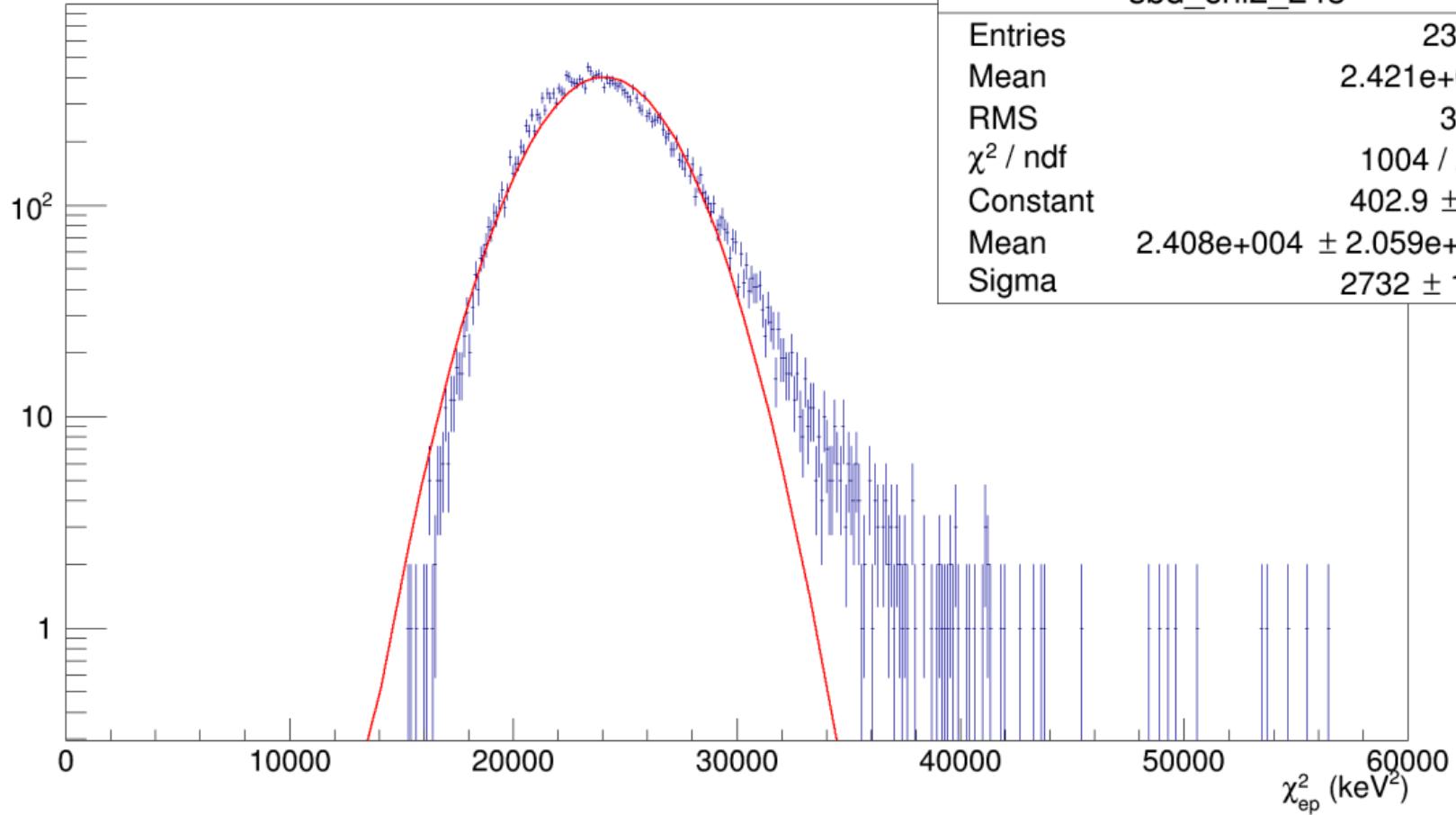
probability



sbd_chi2_244	
Entries	23956
Mean	2.419e+004
RMS	3136
χ^2 / ndf	1013 / 220
Constant	403.4 ± 3.3
Mean	2.406e+004 ± 2.041e+001
Sigma	2724 ± 13.5

χ^2_{ep} from 245.00 keV to 246.00 keV

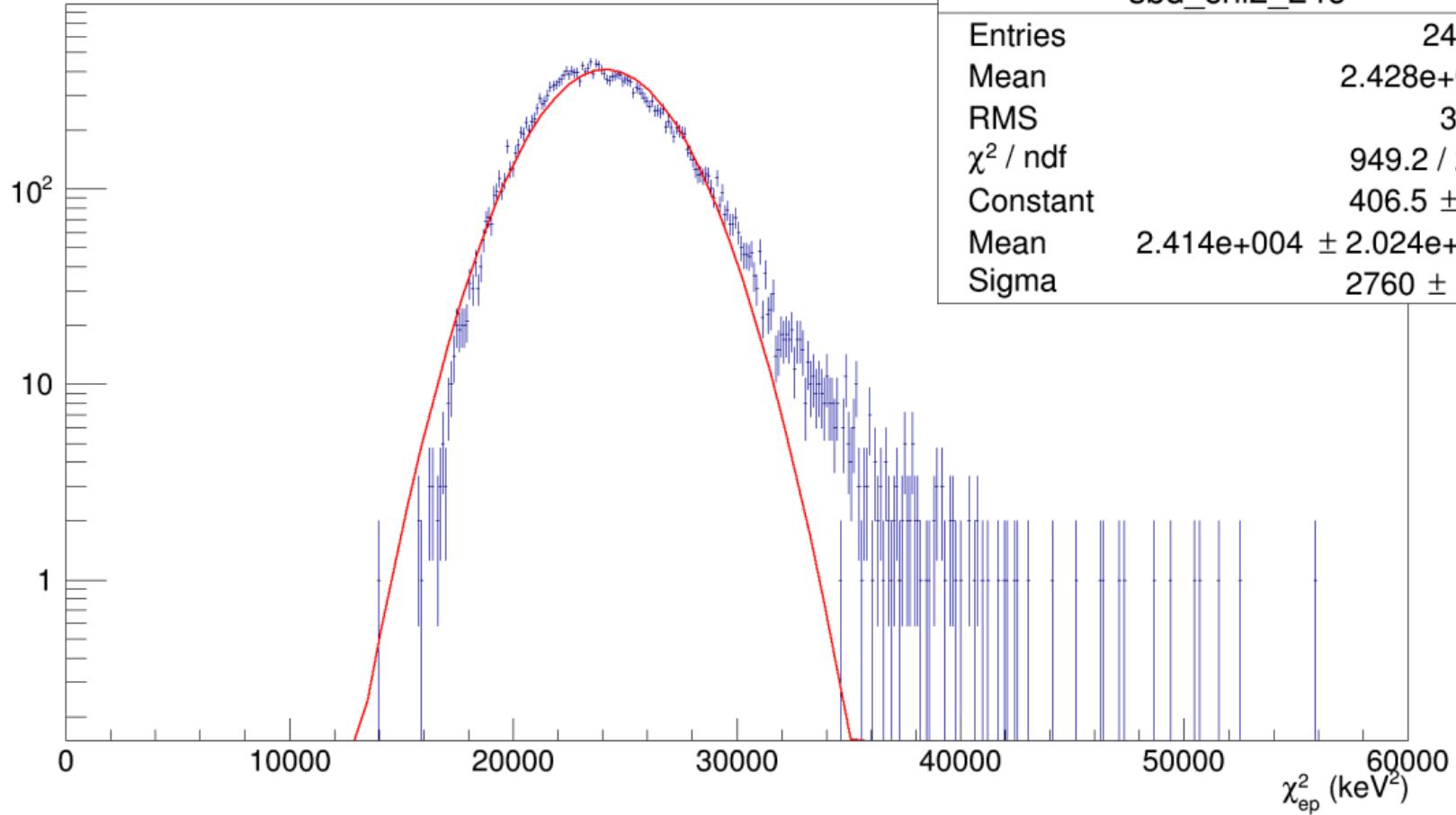
probability



sbd_chi2_245	
Entries	23988
Mean	2.421e+004
RMS	3115
χ^2 / ndf	1004 / 216
Constant	402.9 \pm 3.3
Mean	2.408e+004 \pm 2.059e+001
Sigma	2732 \pm 13.7

χ^2_{ep} from 246.00 keV to 247.00 keV

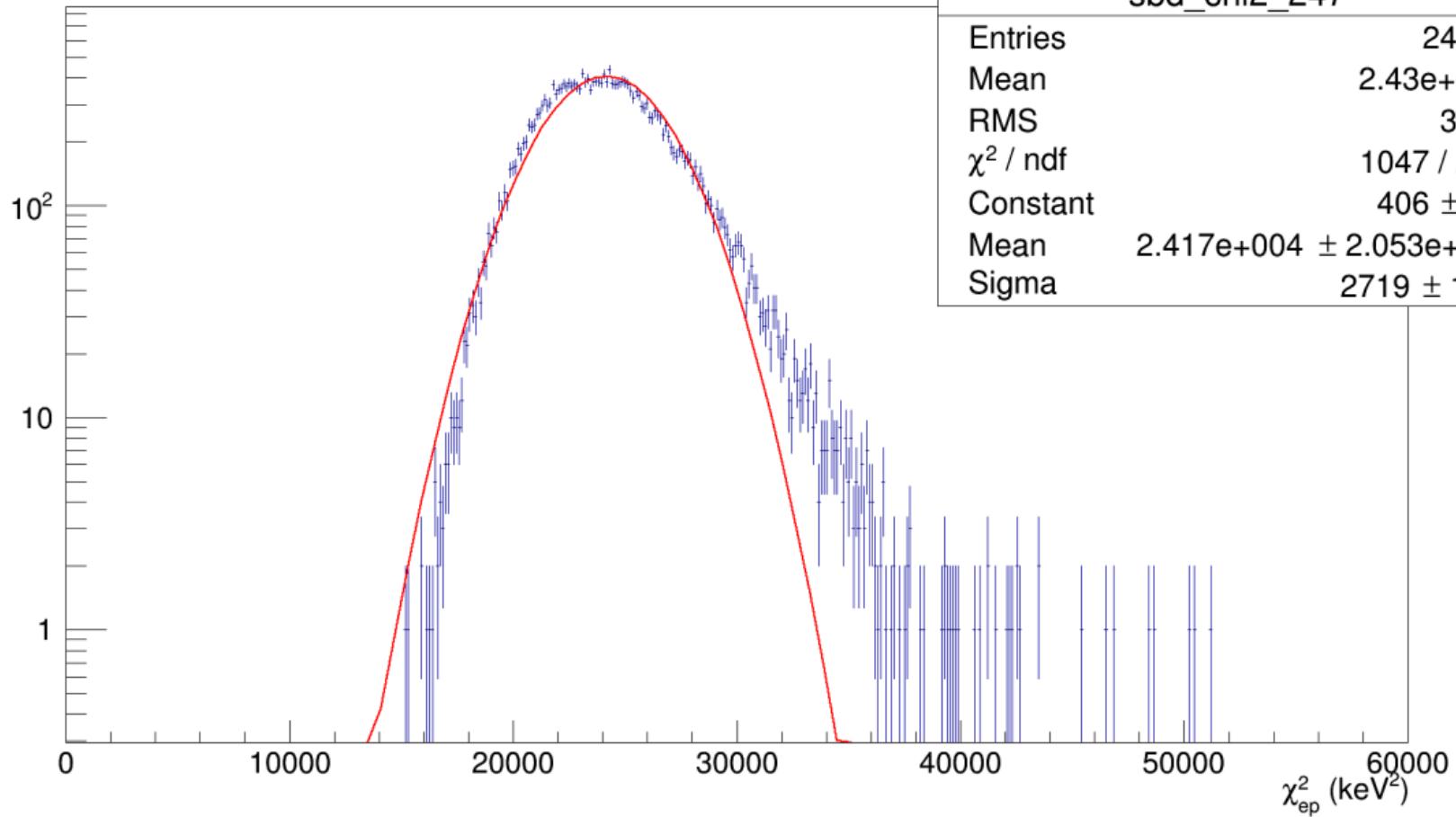
probability



sbd_chi2_246	
Entries	24355
Mean	2.428e+004
RMS	3120
χ^2 / ndf	949.2 / 217
Constant	406.5 ± 3.4
Mean	2.414e+004 ± 2.024e+001
Sigma	2760 ± 14.1

χ^2_{ep} from 247.00 keV to 248.00 keV

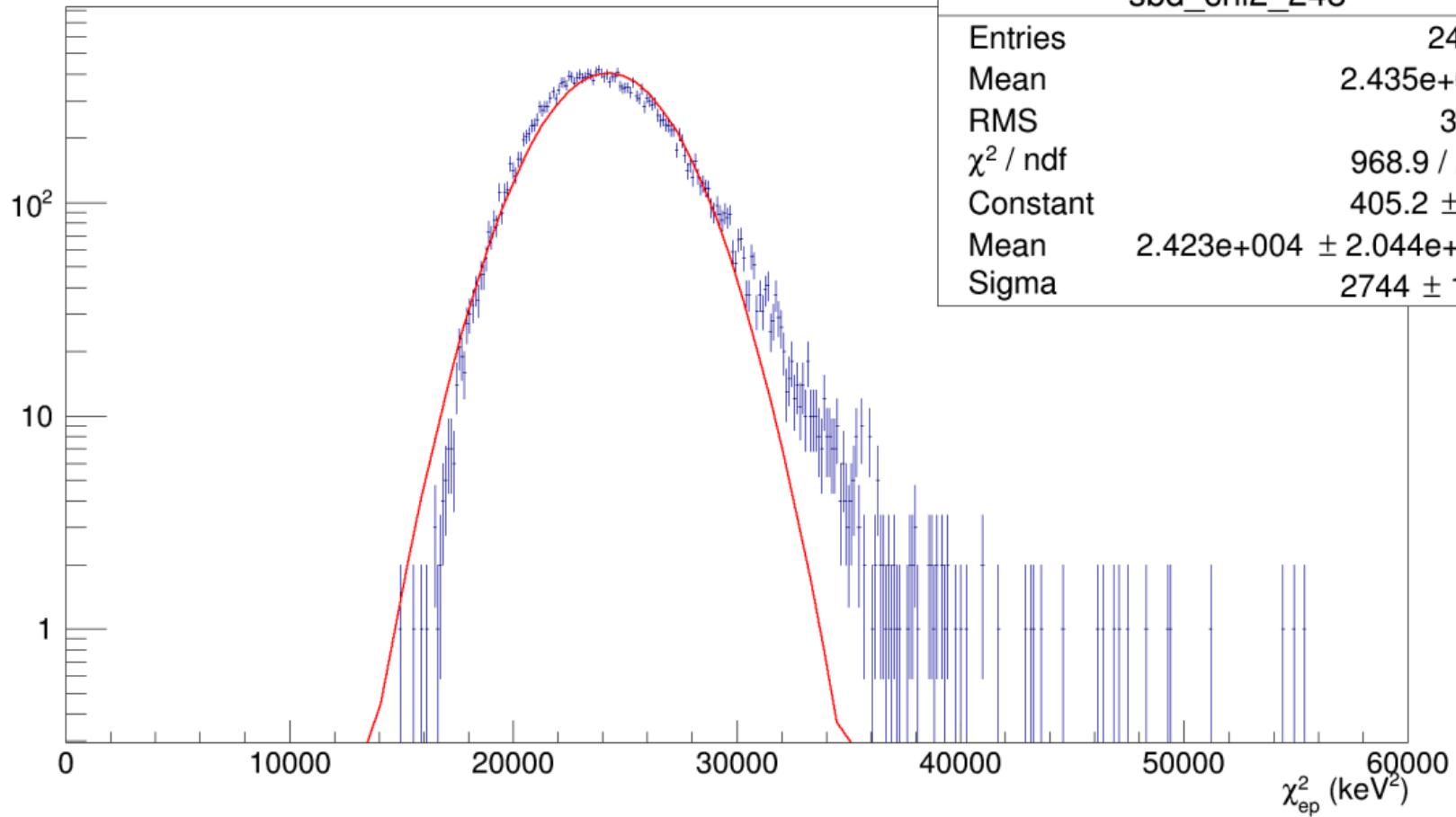
probability



sbd_chi2_247	
Entries	24096
Mean	2.43e+004
RMS	3080
χ^2 / ndf	1047 / 205
Constant	406 ± 3.3
Mean	2.417e+004 ± 2.053e+001
Sigma	2719 ± 13.6

χ^2_{ep} from 248.00 keV to 249.00 keV

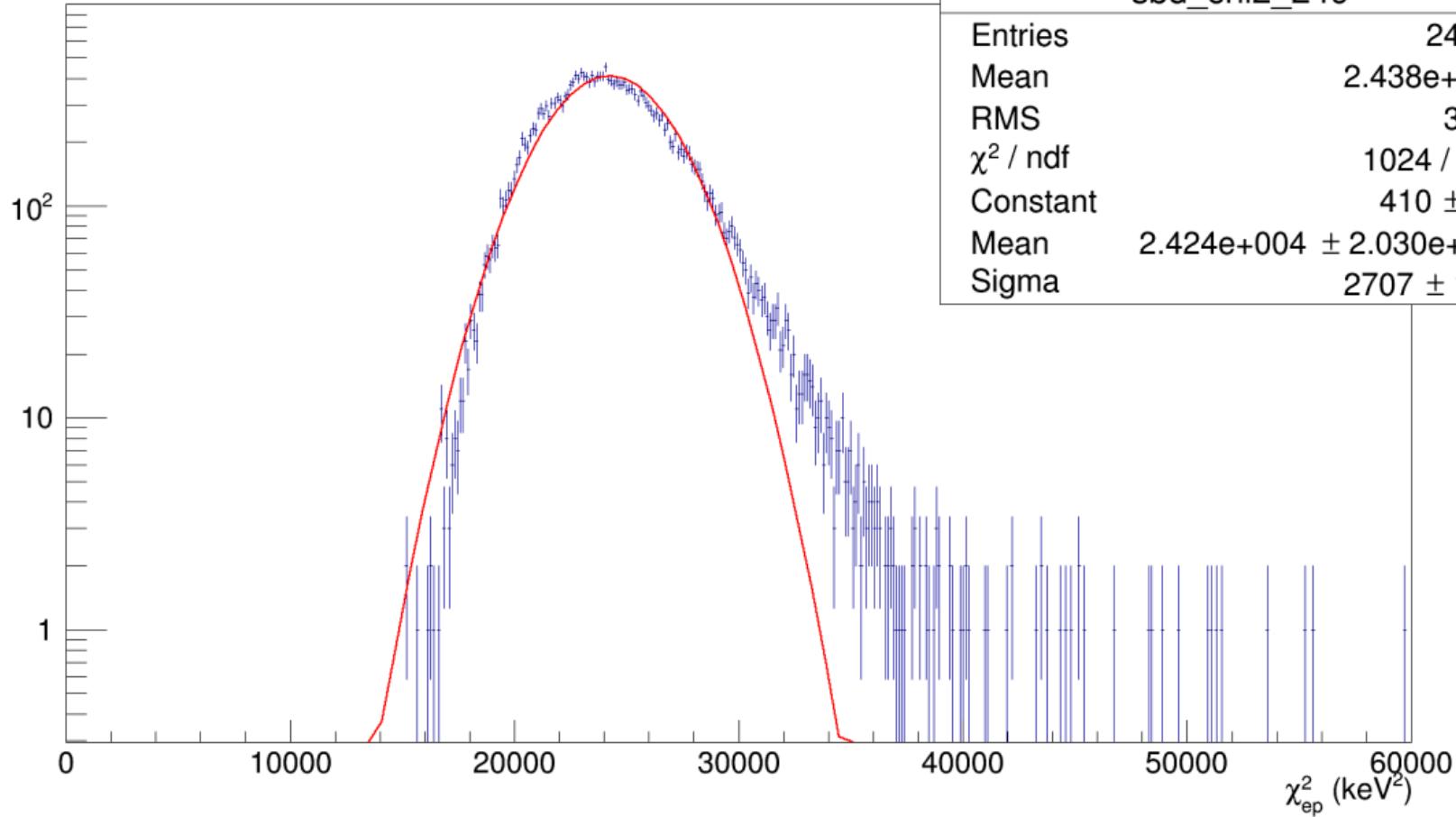
probability



sbd_chi2_248	
Entries	24161
Mean	2.435e+004
RMS	3102
χ^2 / ndf	968.9 / 208
Constant	405.2 ± 3.3
Mean	2.423e+004 ± 2.044e+001
Sigma	2744 ± 13.7

χ^2_{ep} from 249.00 keV to 250.00 keV

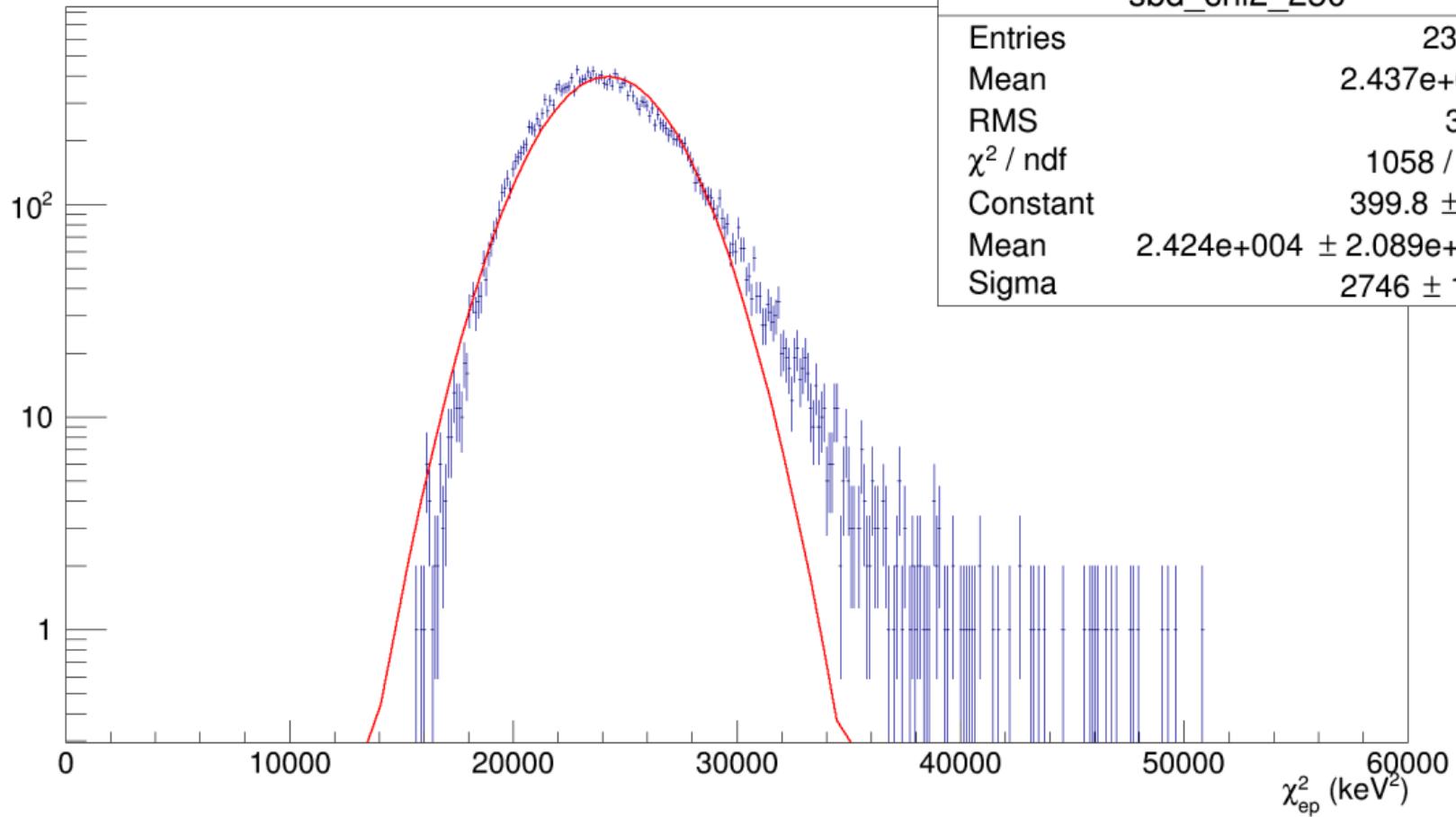
probability



sbd_chi2_249	
Entries	24187
Mean	2.438e+004
RMS	3114
χ^2 / ndf	1024 / 214
Constant	410 ± 3.4
Mean	2.424e+004 ± 2.030e+001
Sigma	2707 ± 13.6

χ^2_{ep} from 250.00 keV to 251.00 keV

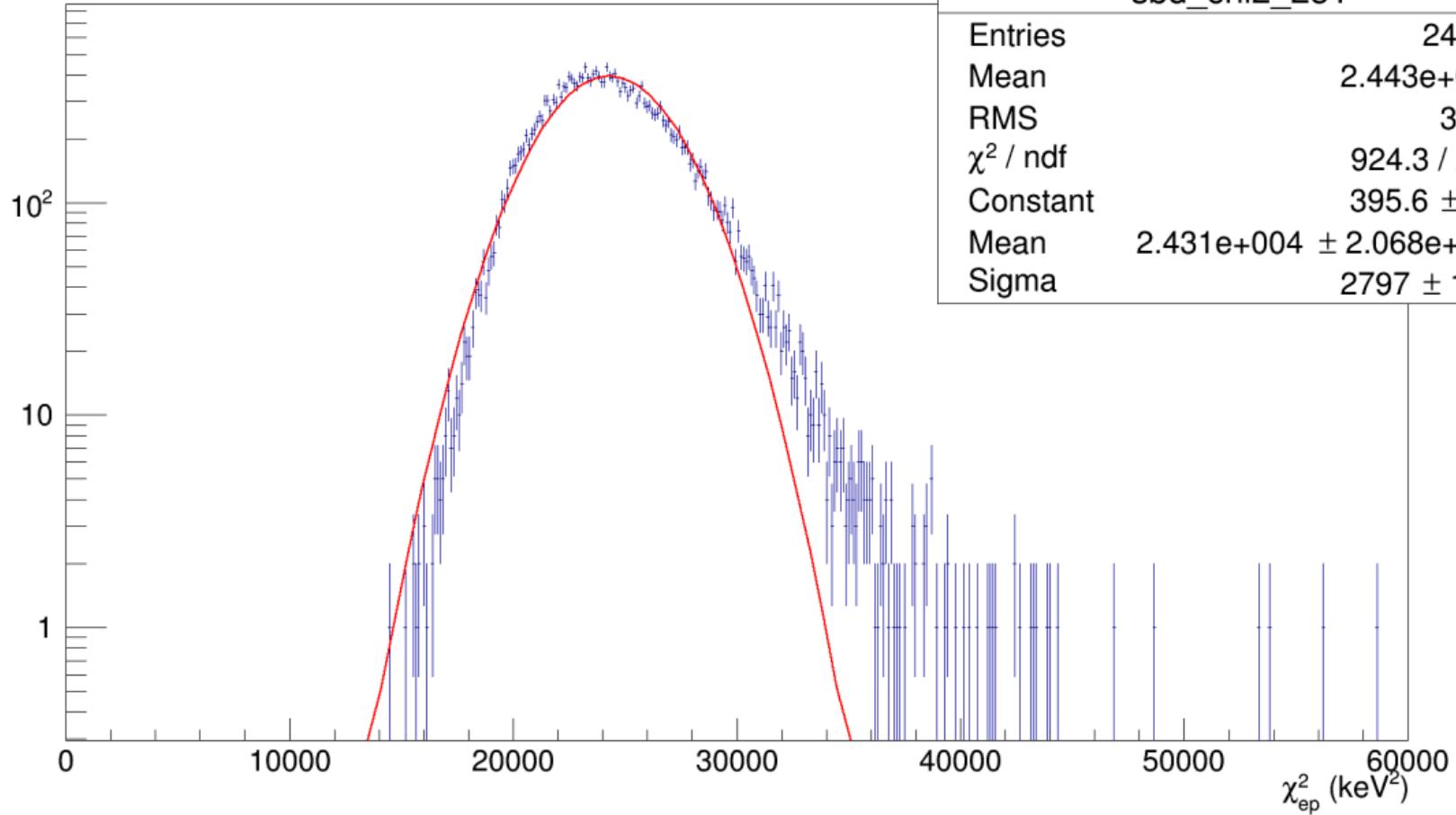
probability



sbd_chi2_250	
Entries	23985
Mean	2.437e+004
RMS	3141
χ^2 / ndf	1058 / 221
Constant	399.8 ± 3.3
Mean	2.424e+004 ± 2.089e+001
Sigma	2746 ± 13.8

χ^2_{ep} from 251.00 keV to 252.00 keV

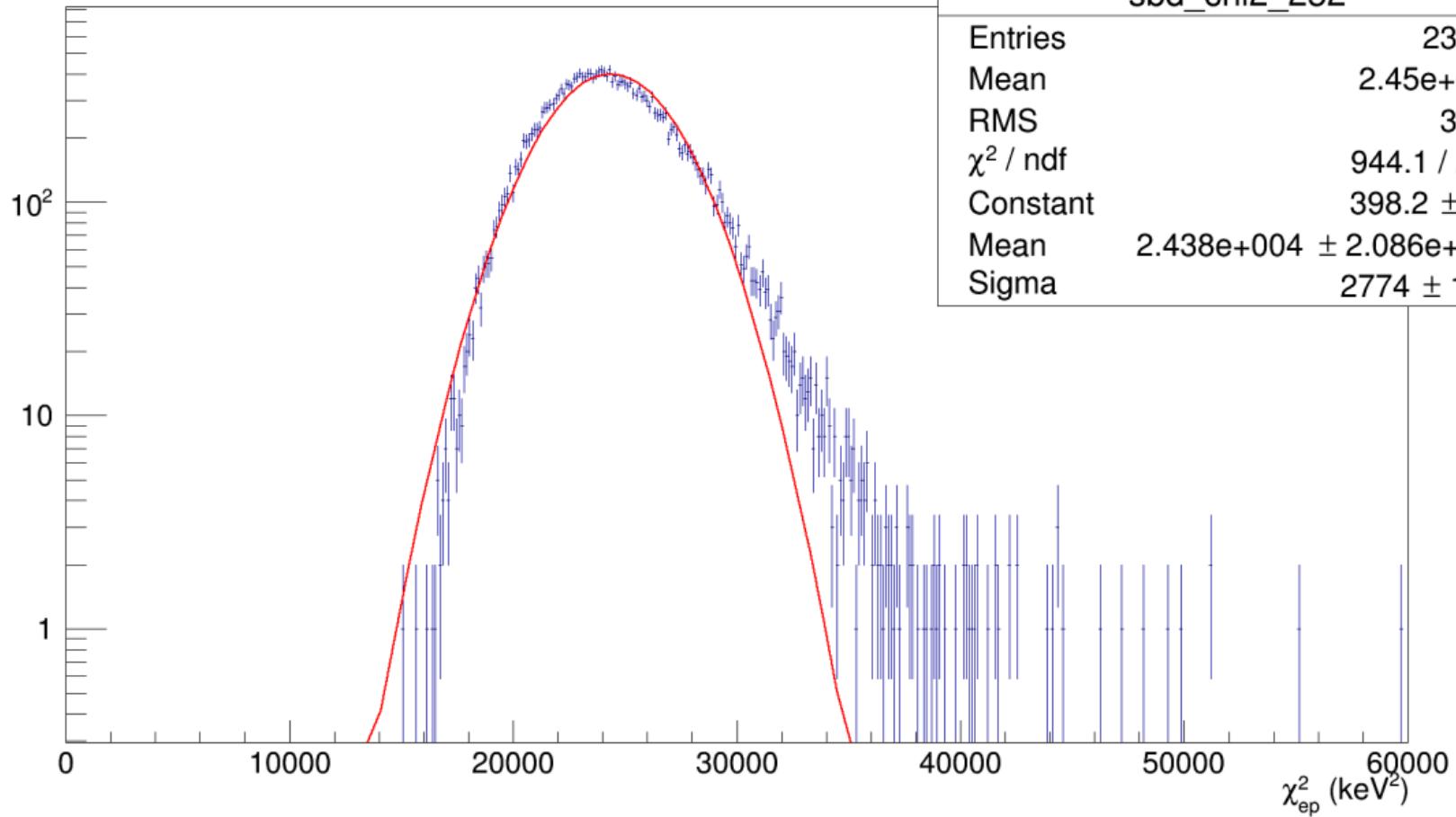
probability



sbd_chi2_251	
Entries	24028
Mean	2.443e+004
RMS	3113
χ^2 / ndf	924.3 / 210
Constant	395.6 ± 3.3
Mean	2.431e+004 ± 2.068e+001
Sigma	2797 ± 14.4

χ^2_{ep} from 252.00 keV to 253.00 keV

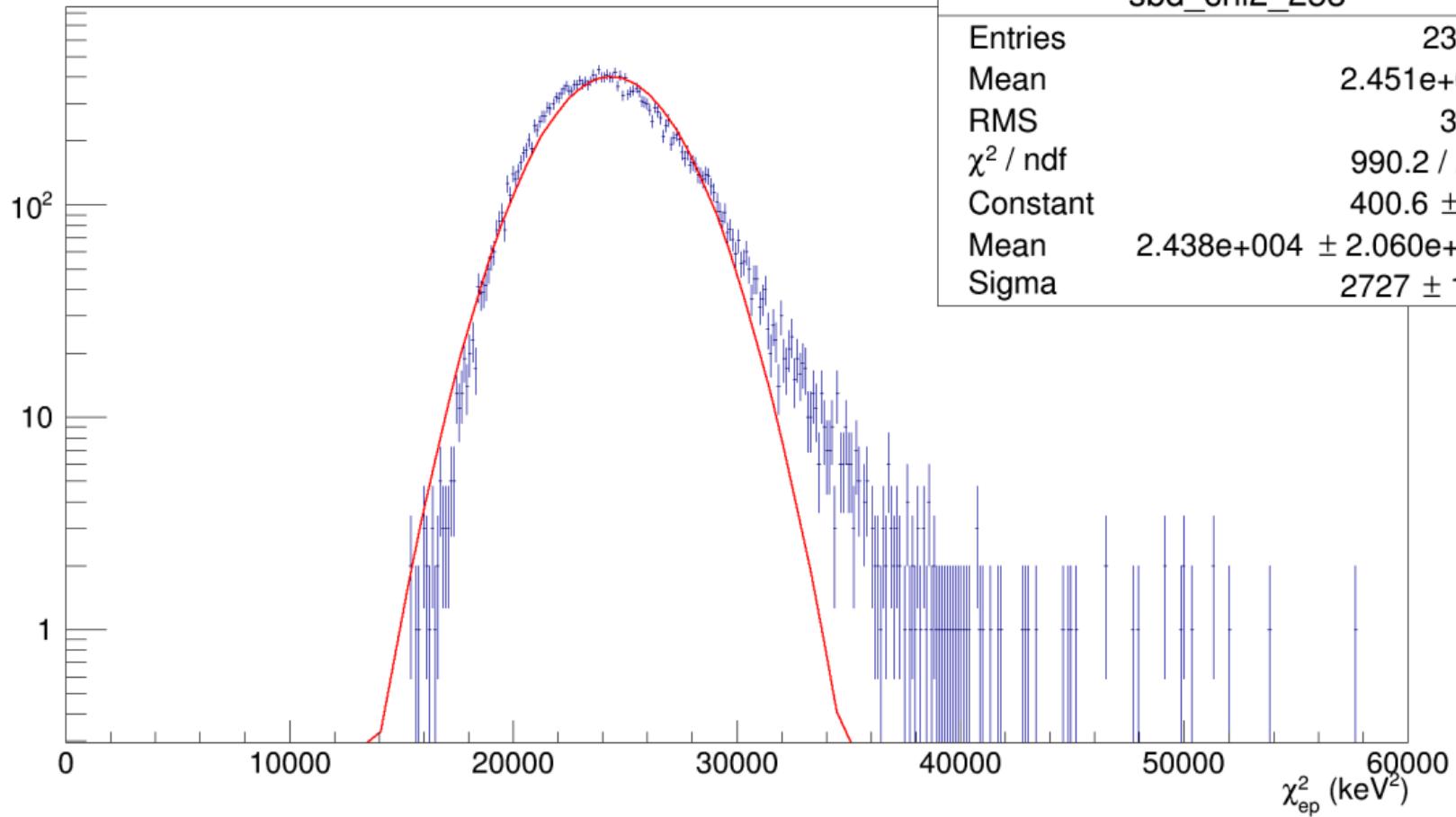
probability



sbd_chi2_252	
Entries	23999
Mean	2.45e+004
RMS	3123
χ^2 / ndf	944.1 / 209
Constant	398.2 ± 3.3
Mean	2.438e+004 ± 2.086e+001
Sigma	2774 ± 14.0

χ^2_{ep} from 253.00 keV to 254.00 keV

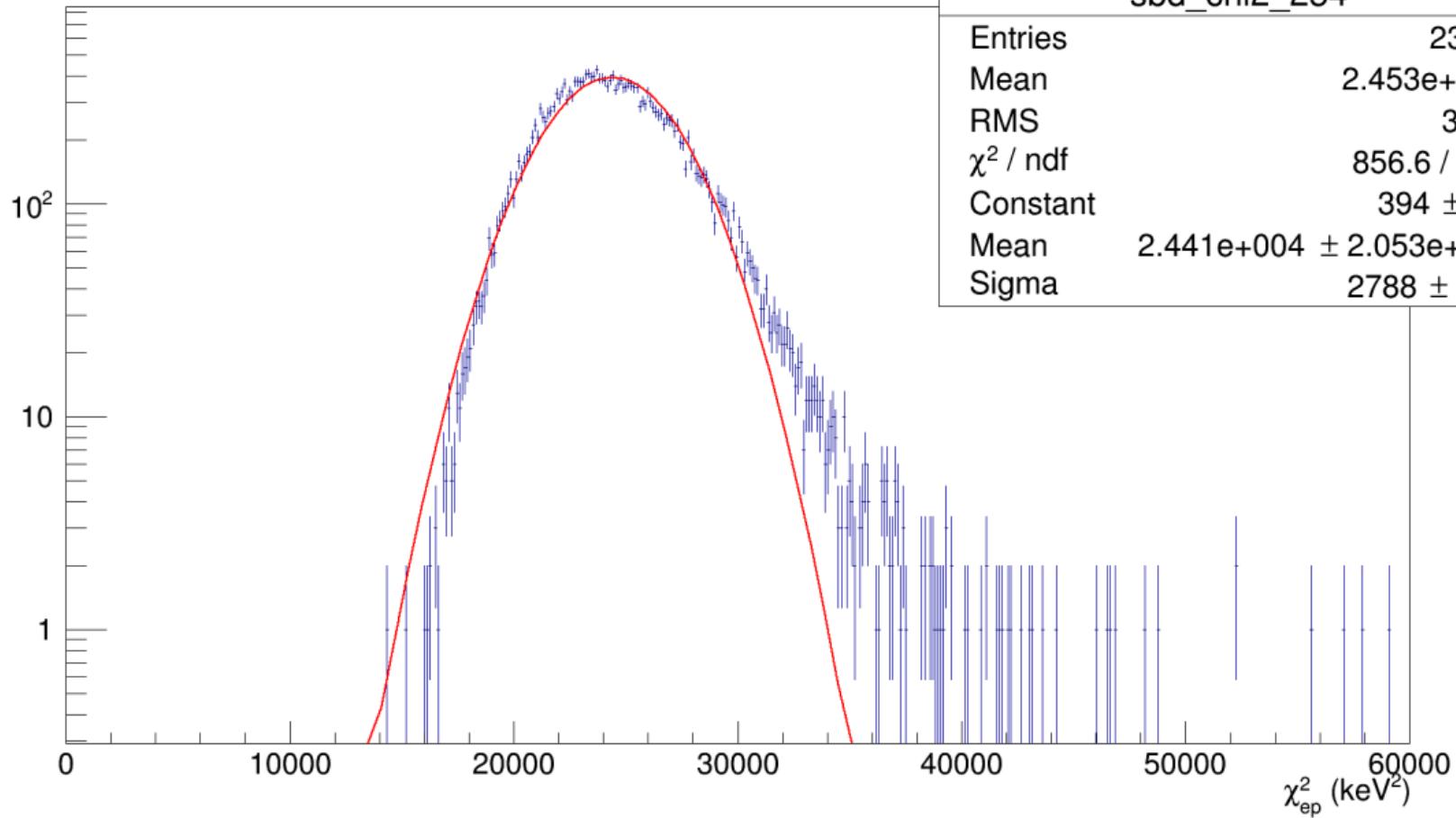
probability



sbd_chi2_253	
Entries	23815
Mean	2.451e+004
RMS	3137
χ^2 / ndf	990.2 / 226
Constant	400.6 ± 3.3
Mean	2.438e+004 ± 2.060e+001
Sigma	2727 ± 13.6

χ^2_{ep} from 254.00 keV to 255.00 keV

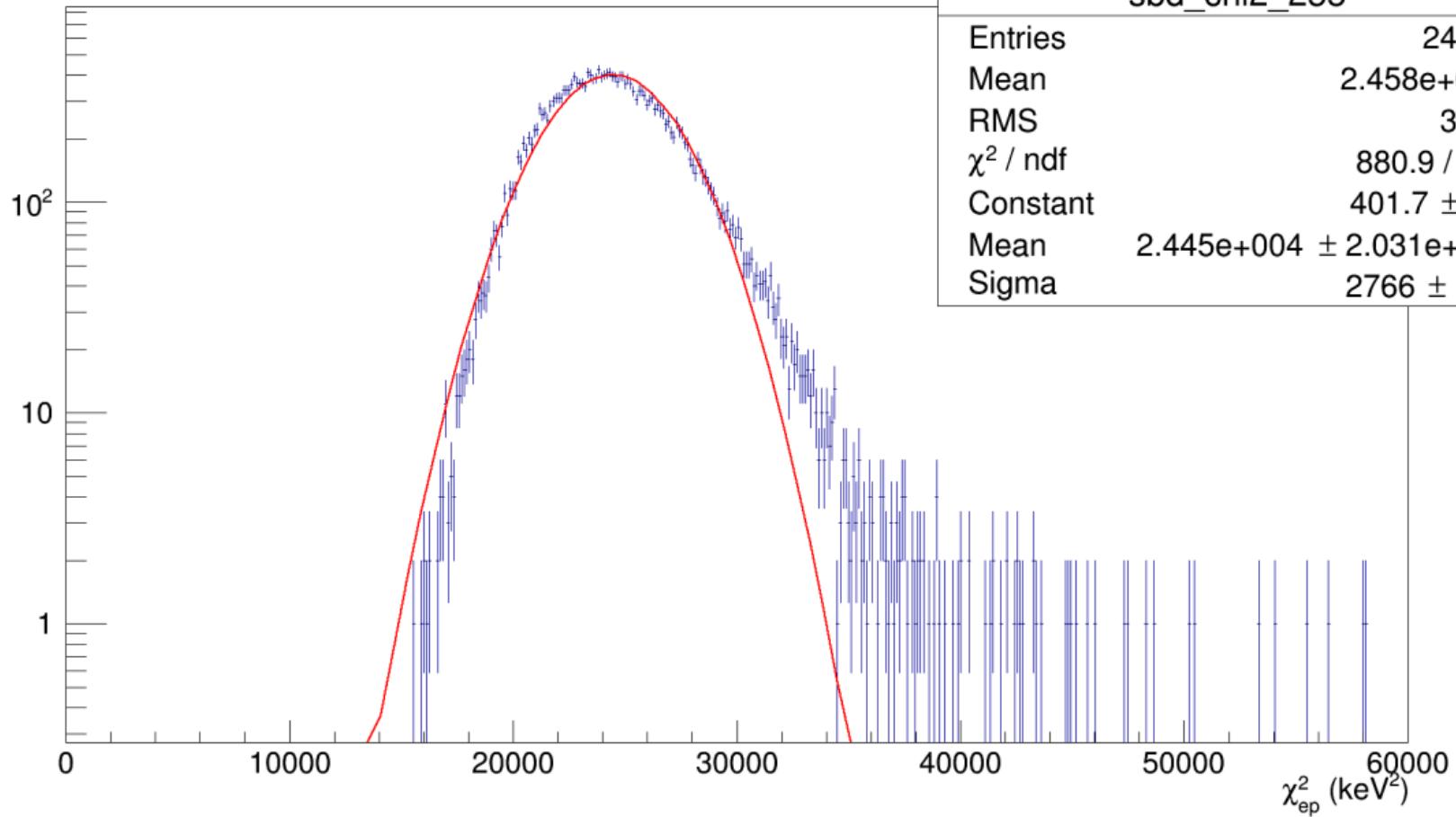
probability



sbd_chi2_254	
Entries	23771
Mean	2.453e+004
RMS	3115
χ^2 / ndf	856.6 / 209
Constant	394 ± 3.3
Mean	2.441e+004 ± 2.053e+001
Sigma	2788 ± 14.1

χ^2_{ep} from 255.00 keV to 256.00 keV

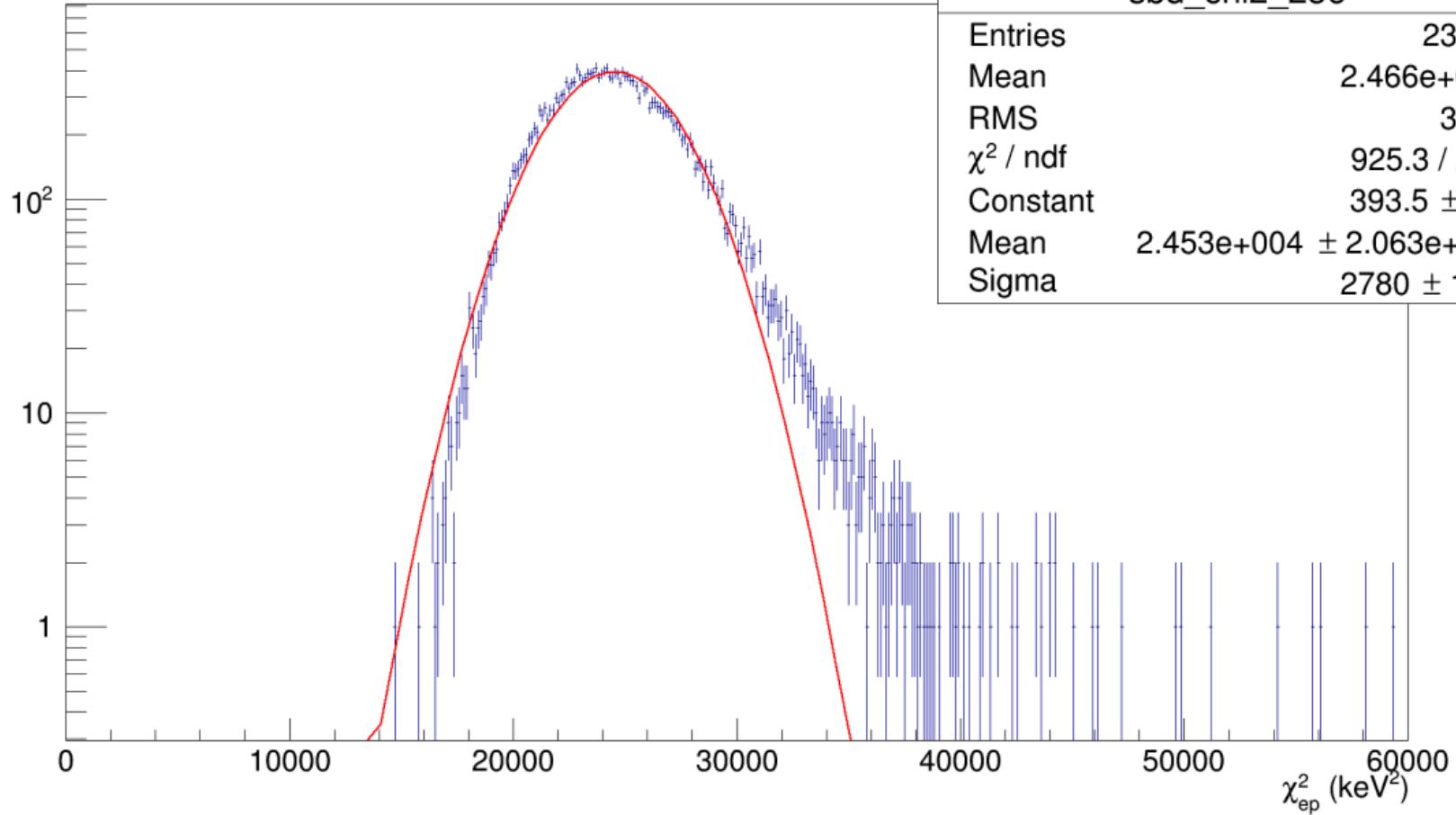
probability



sbd_chi2_255	
Entries	24072
Mean	2.458e+004
RMS	3134
χ^2 / ndf	880.9 / 221
Constant	401.7 ± 3.3
Mean	2.445e+004 ± 2.031e+001
Sigma	2766 ± 14.1

χ^2_{ep} from 256.00 keV to 257.00 keV

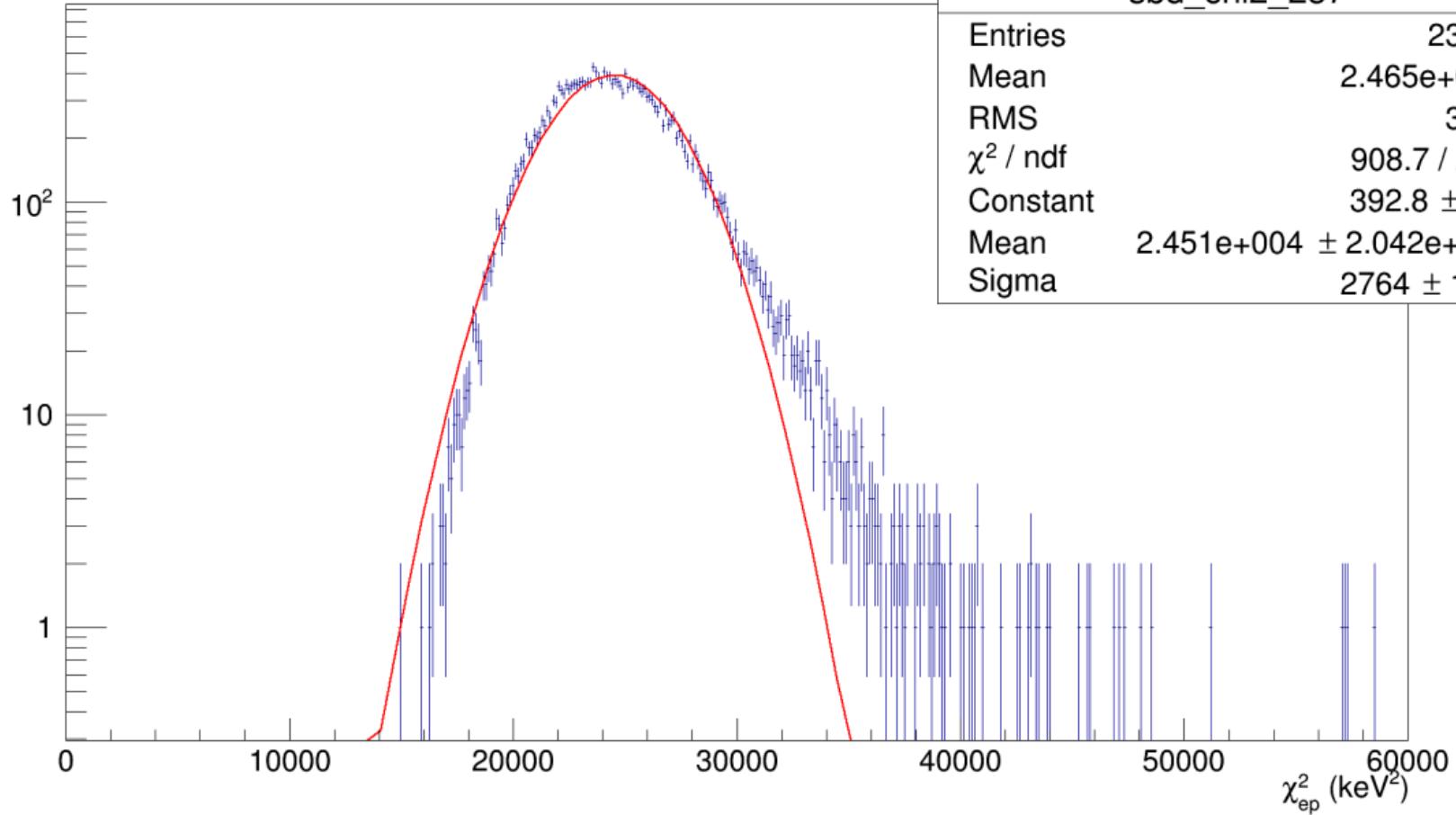
probability



sbd_chi2_256	
Entries	23747
Mean	2.466e+004
RMS	3148
χ^2 / ndf	925.3 / 215
Constant	393.5 ± 3.3
Mean	2.453e+004 ± 2.063e+001
Sigma	2780 ± 14.3

χ^2_{ep} from 257.00 keV to 258.00 keV

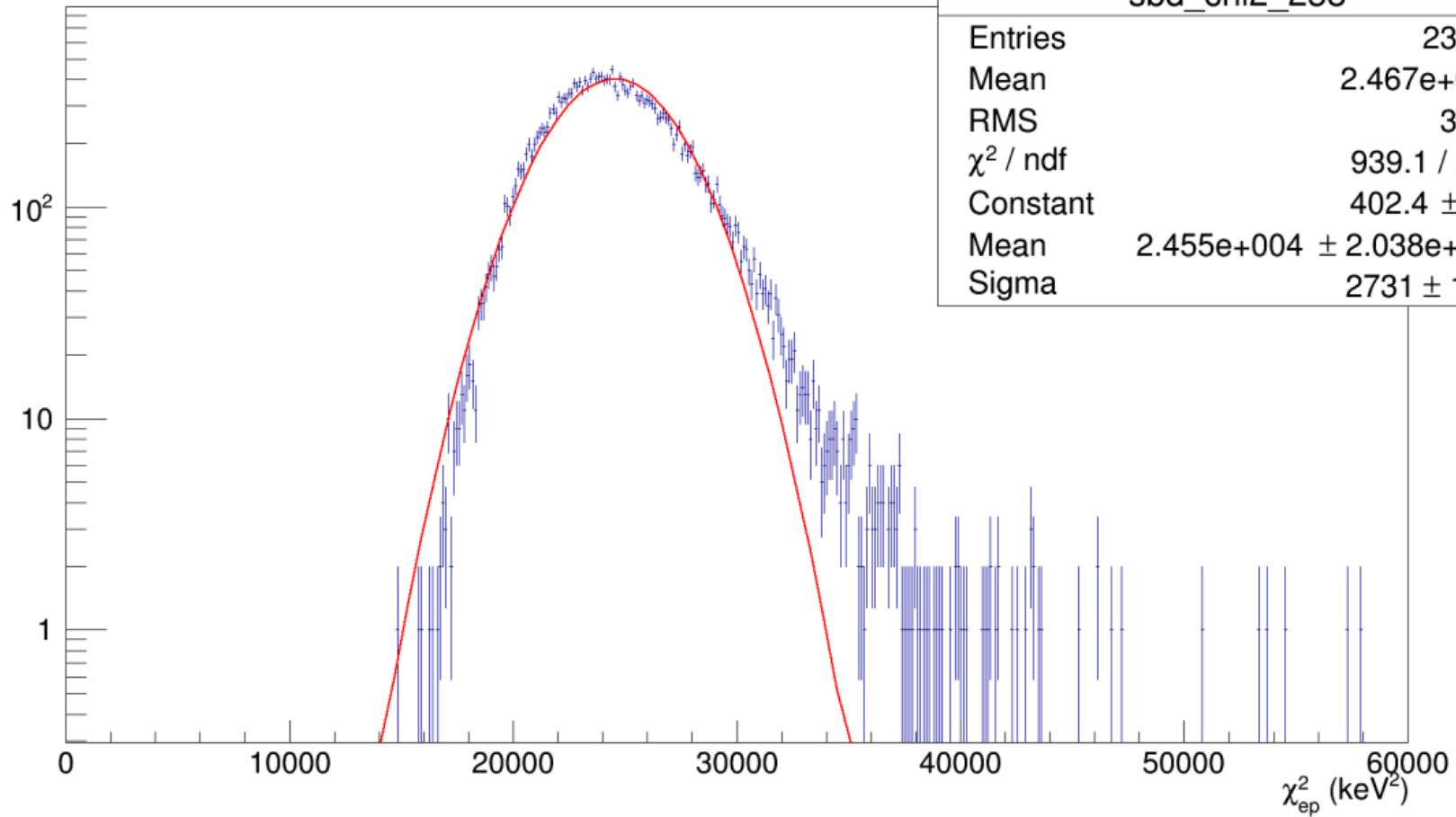
probability



sbd_chi2_257	
Entries	23571
Mean	2.465e+004
RMS	3131
χ^2 / ndf	908.7 / 216
Constant	392.8 ± 3.3
Mean	2.451e+004 ± 2.042e+001
Sigma	2764 ± 14.2

χ^2_{ep} from 258.00 keV to 259.00 keV

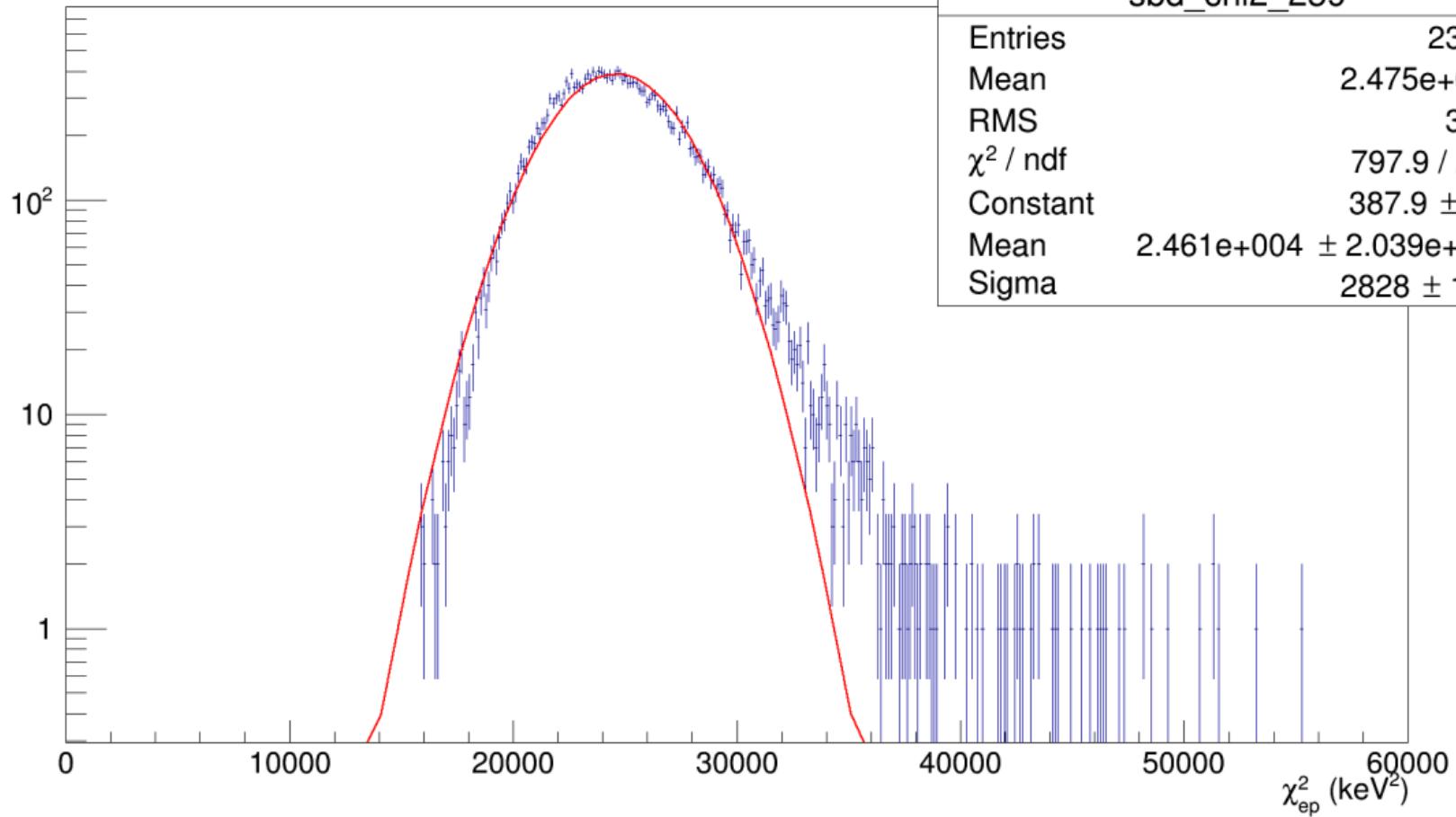
probability



sbd_chi2_258	
Entries	23886
Mean	2.467e+004
RMS	3098
χ^2 / ndf	939.1 / 218
Constant	402.4 ± 3.3
Mean	2.455e+004 ± 2.038e+001
Sigma	2731 ± 13.7

χ^2_{ep} from 259.00 keV to 260.00 keV

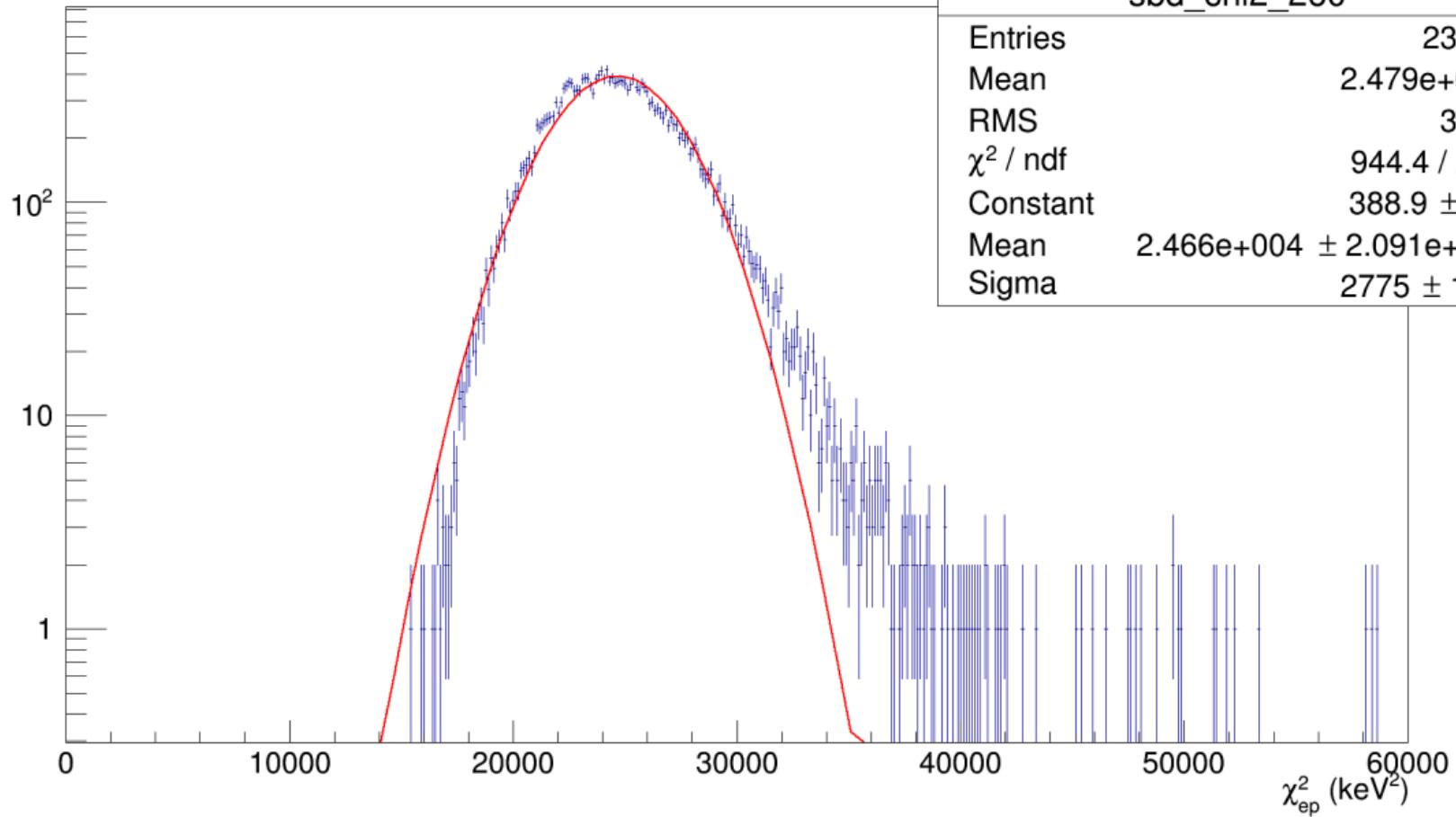
probability



sbd_chi2_259	
Entries	23691
Mean	2.475e+004
RMS	3171
χ^2 / ndf	797.9 / 222
Constant	387.9 ± 3.2
Mean	2.461e+004 ± 2.039e+001
Sigma	2828 ± 14.6

χ^2_{ep} from 260.00 keV to 261.00 keV

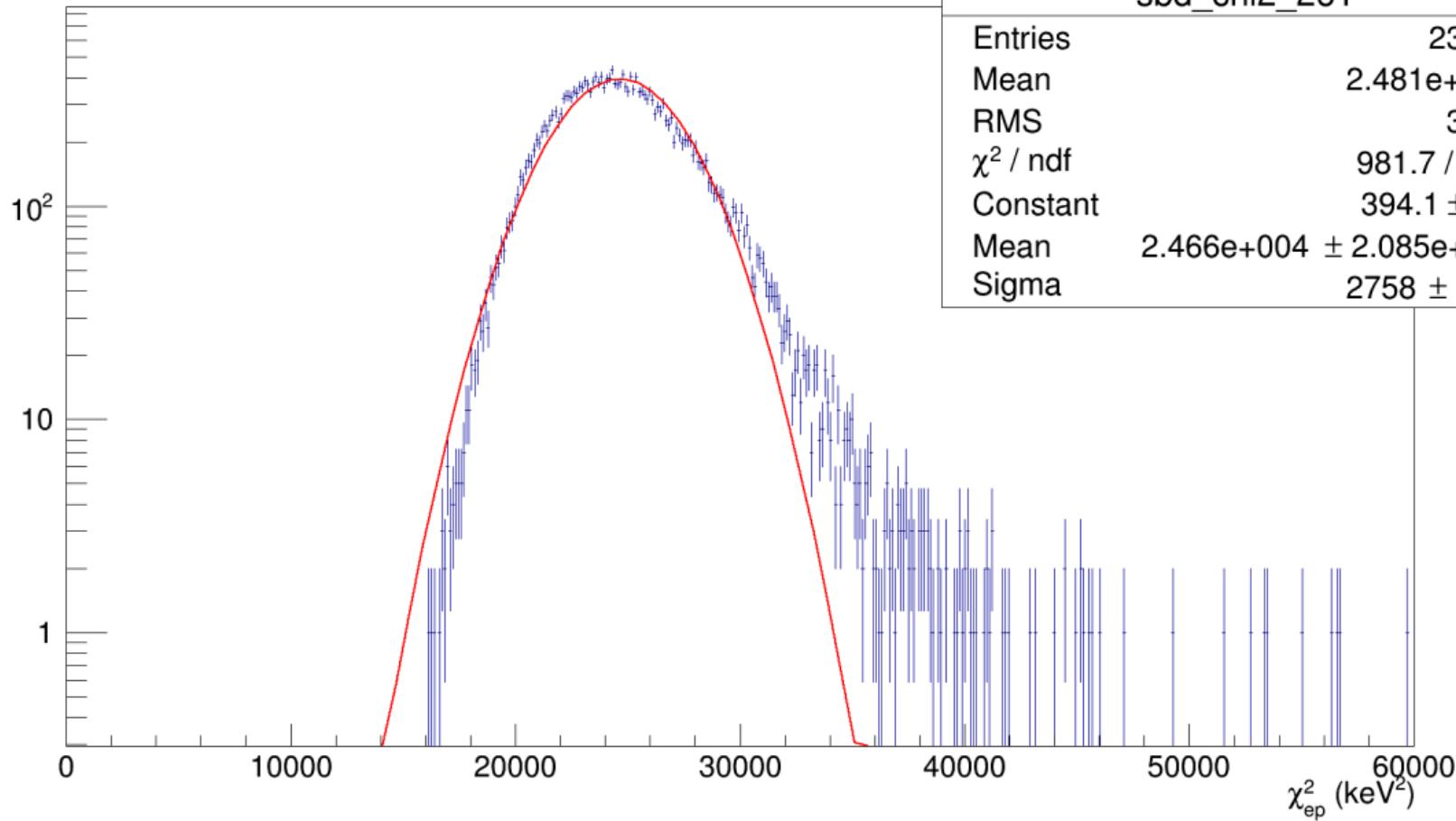
probability



sbd_chi2_260	
Entries	23483
Mean	2.479e+004
RMS	3186
χ^2 / ndf	944.4 / 229
Constant	388.9 ± 3.2
Mean	2.466e+004 ± 2.091e+001
Sigma	2775 ± 13.8

χ^2_{ep} from 261.00 keV to 262.00 keV

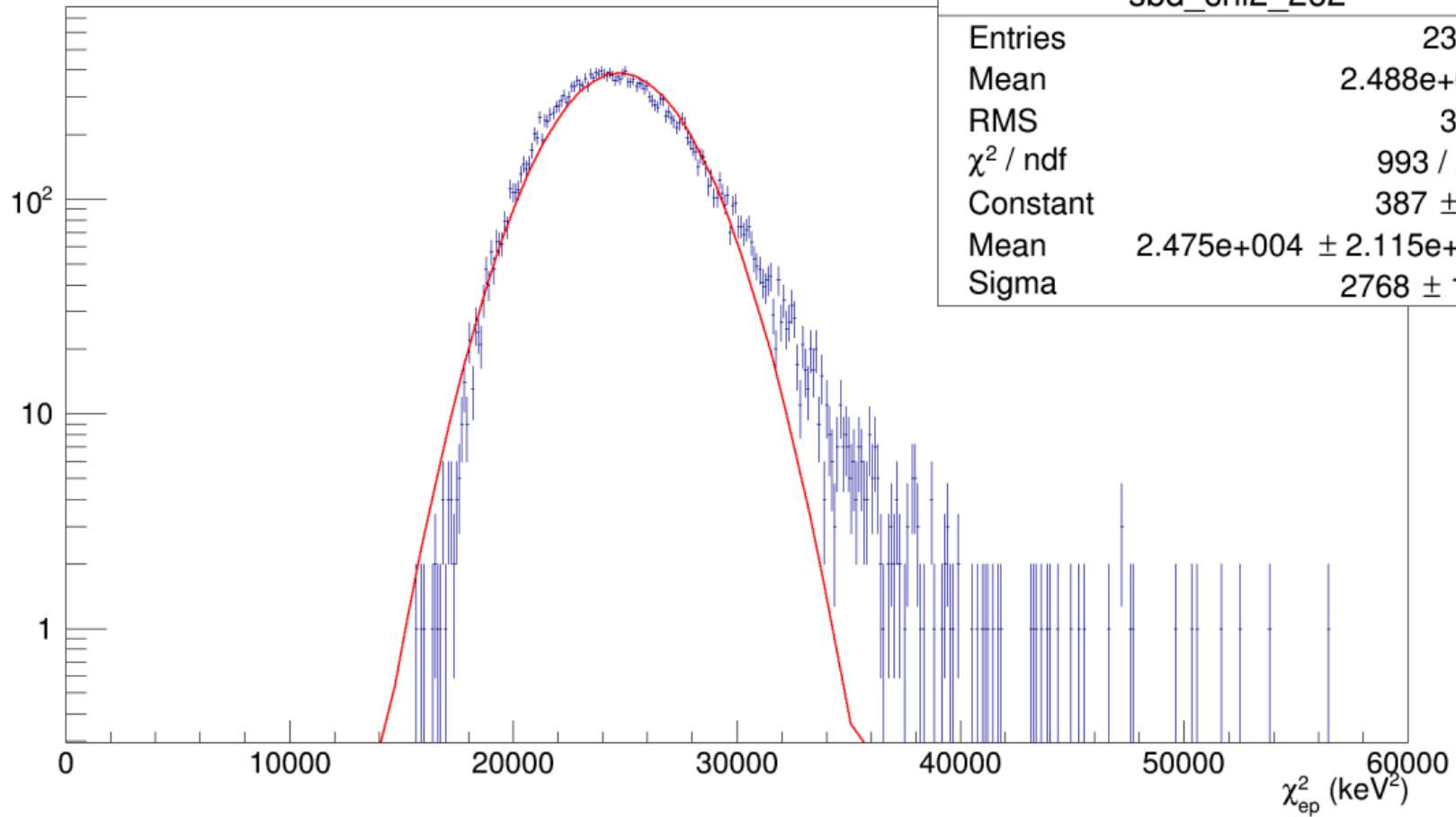
probability



sbd_chi2_261	
Entries	23673
Mean	2.481e+004
RMS	3172
χ^2 / ndf	981.7 / 223
Constant	394.1 ± 3.3
Mean	2.466e+004 ± 2.085e+001
Sigma	2758 ± 14.0

χ^2_{ep} from 262.00 keV to 263.00 keV

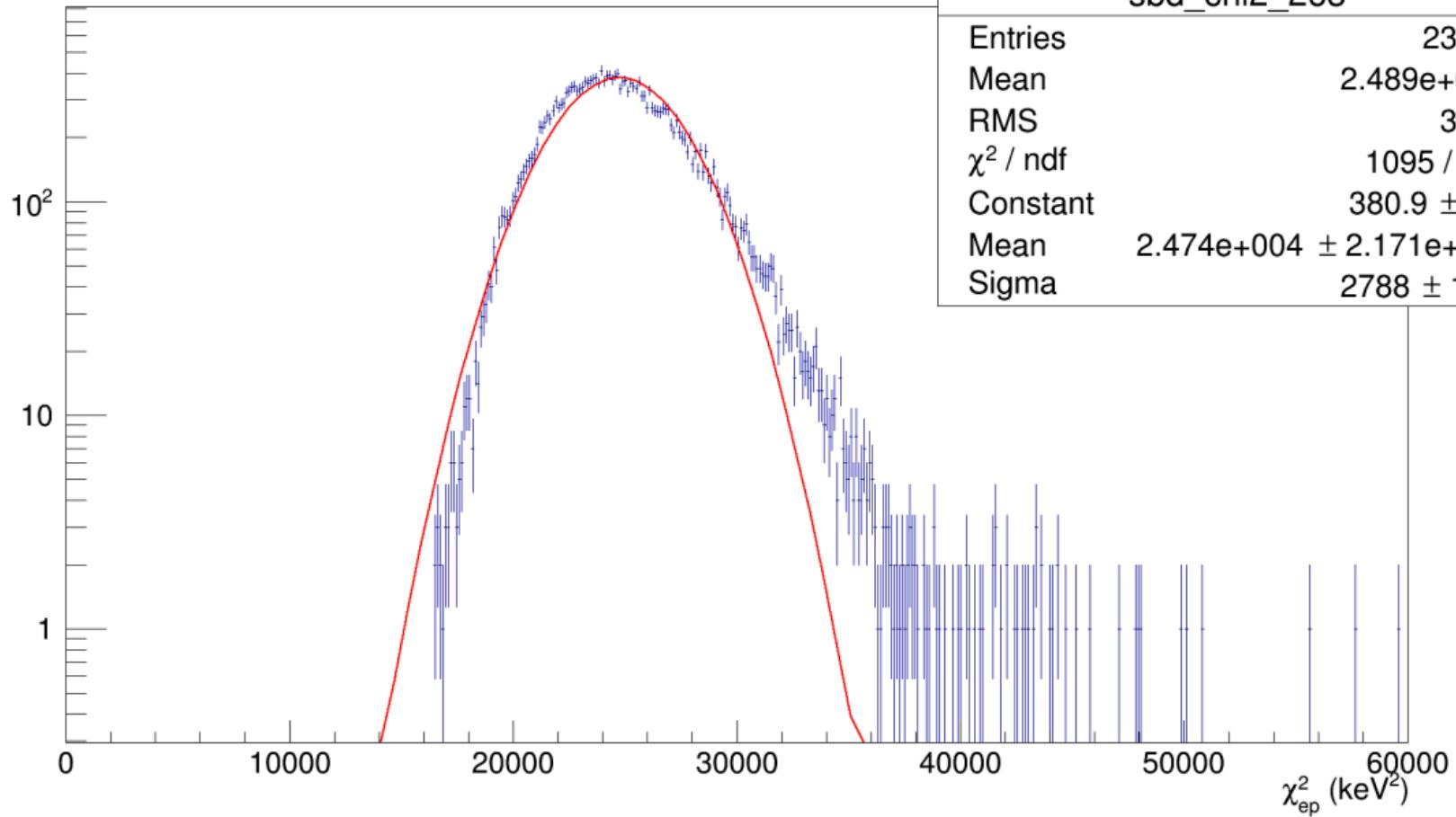
probability



sbd_chi2_262	
Entries	23362
Mean	2.488e+004
RMS	3177
χ^2 / ndf	993 / 218
Constant	387 ± 3.2
Mean	2.475e+004 ± 2.115e+001
Sigma	2768 ± 13.8

χ^2_{ep} from 263.00 keV to 264.00 keV

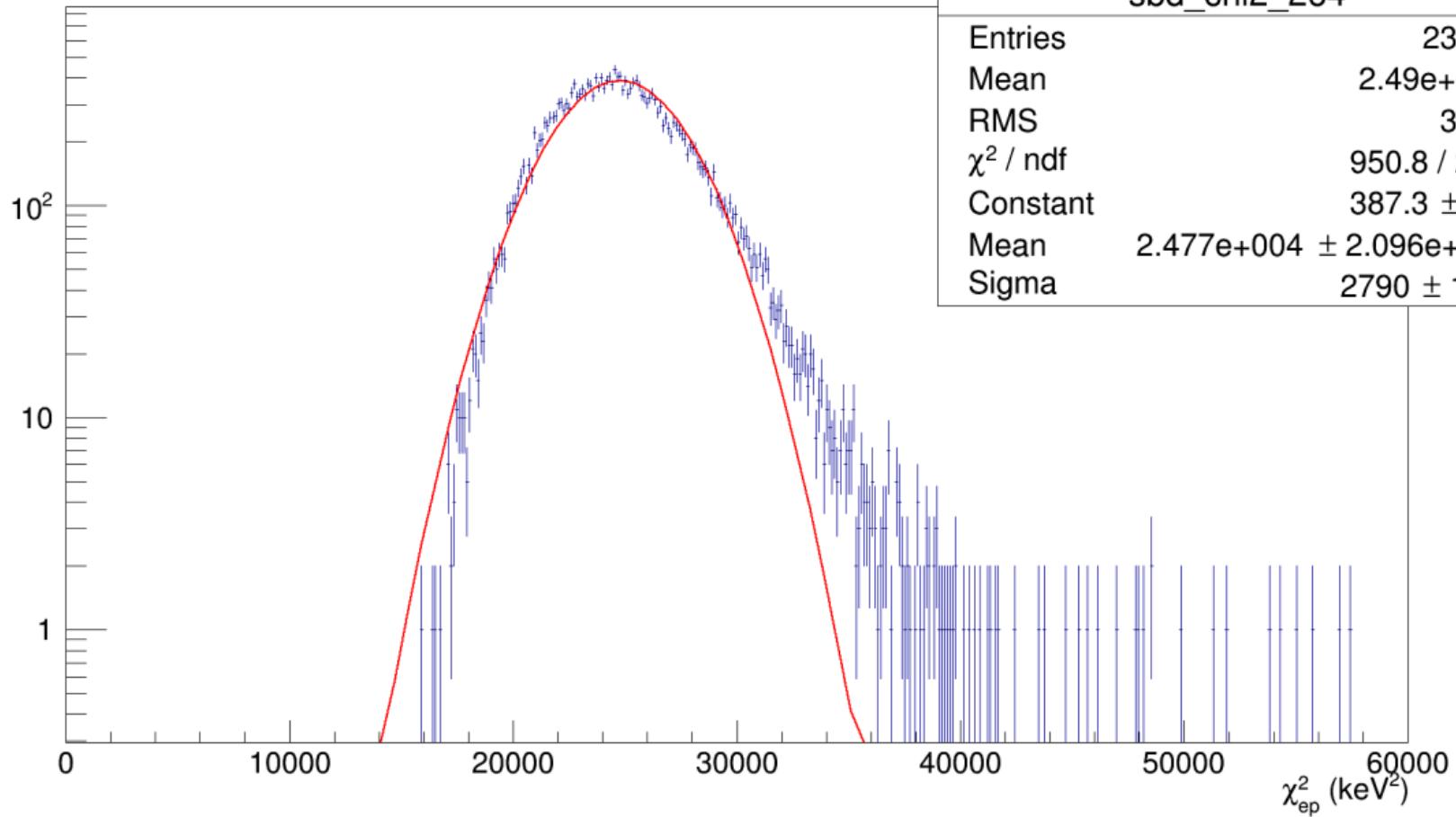
probability



sbd_chi2_263	
Entries	23269
Mean	2.489e+004
RMS	3196
χ^2 / ndf	1095 / 221
Constant	380.9 ± 3.2
Mean	2.474e+004 ± 2.171e+001
Sigma	2788 ± 14.7

χ^2_{ep} from 264.00 keV to 265.00 keV

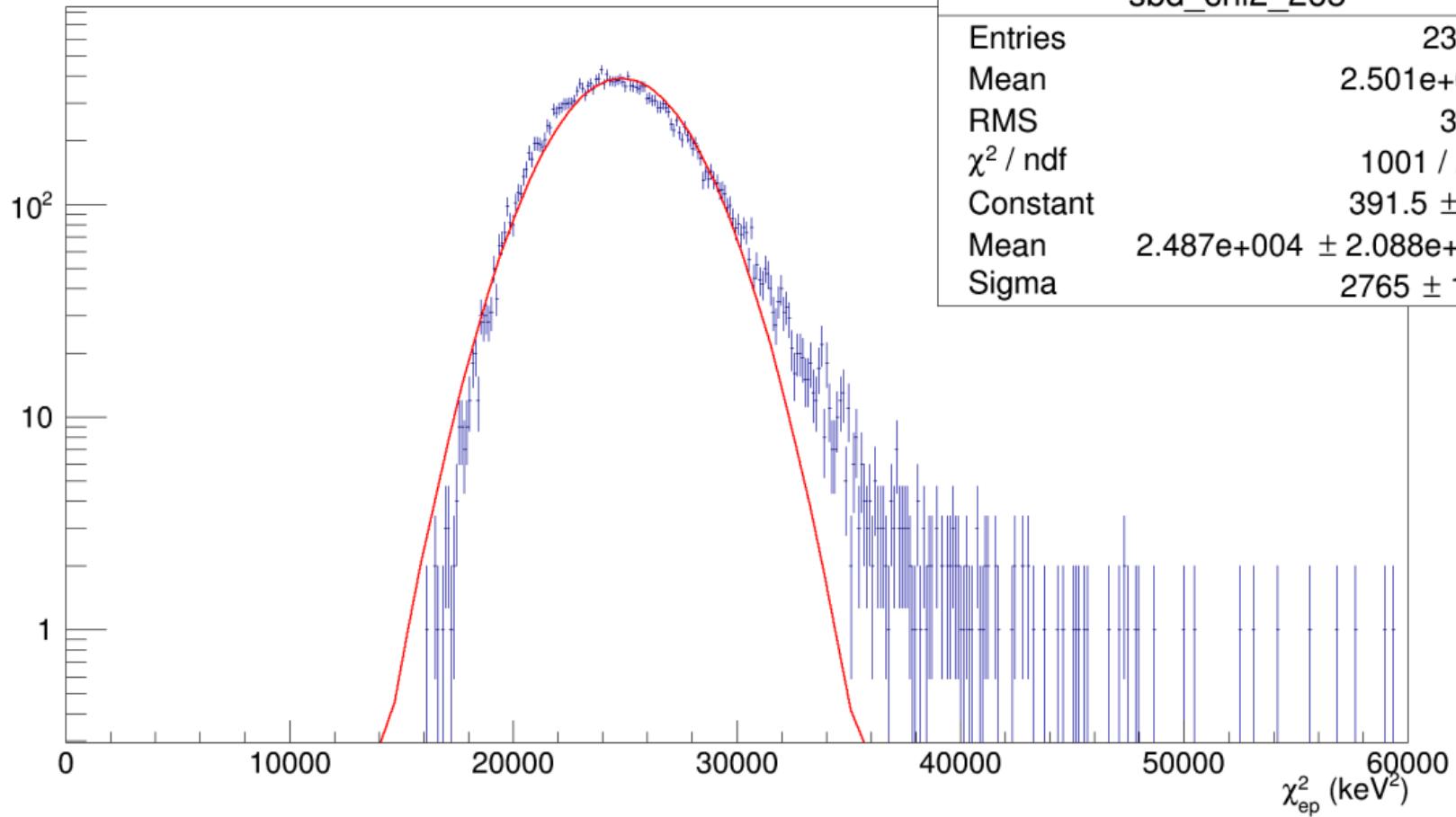
probability



sbd_chi2_264	
Entries	23498
Mean	2.49e+004
RMS	3157
χ^2 / ndf	950.8 / 217
Constant	387.3 ± 3.3
Mean	2.477e+004 ± 2.096e+001
Sigma	2790 ± 14.5

χ^2_{ep} from 265.00 keV to 266.00 keV

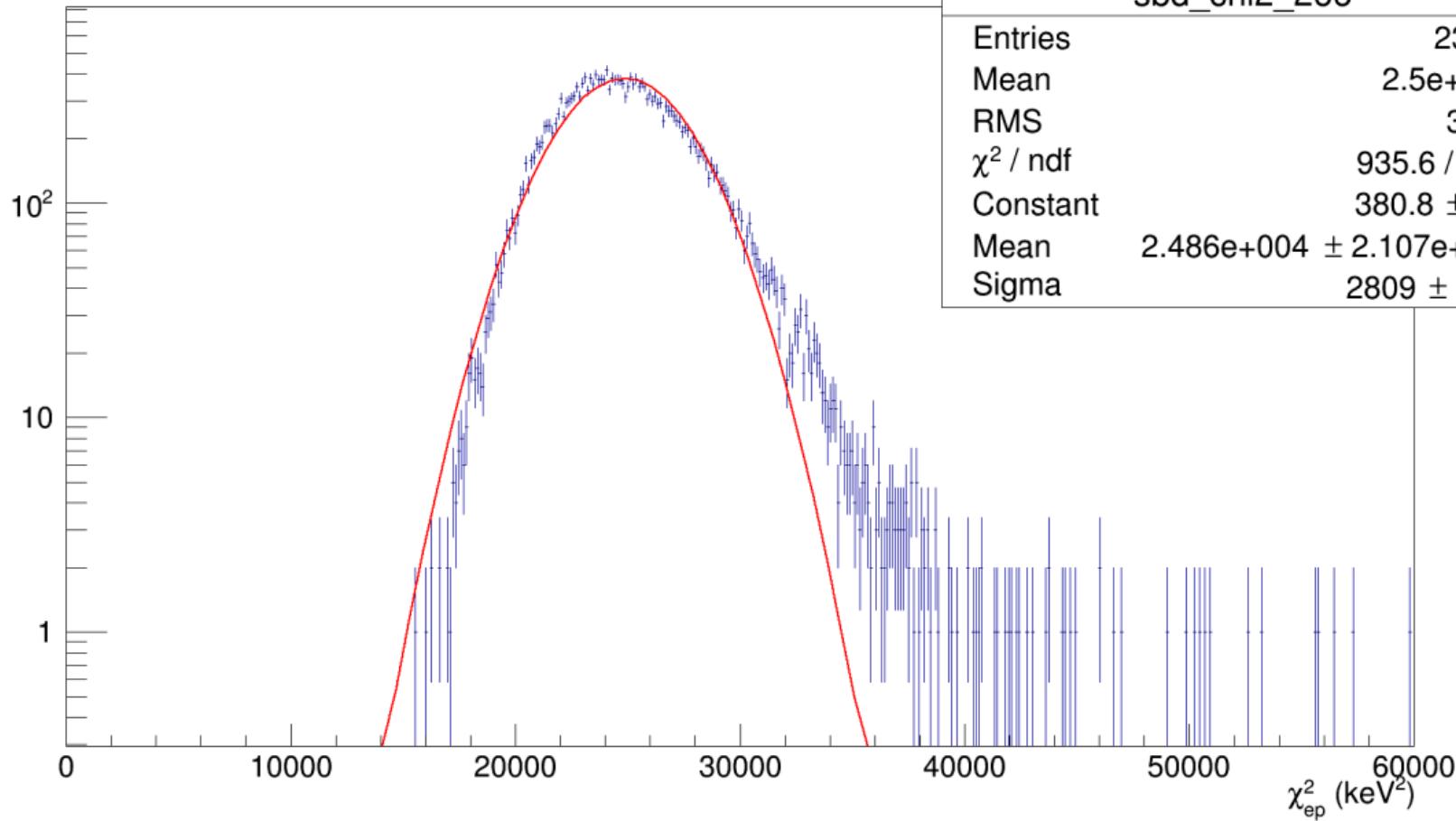
probability



sbd_chi2_265	
Entries	23598
Mean	2.501e+004
RMS	3229
χ^2 / ndf	1001 / 232
Constant	391.5 ± 3.2
Mean	2.487e+004 ± 2.088e+001
Sigma	2765 ± 13.9

χ^2_{ep} from 266.00 keV to 267.00 keV

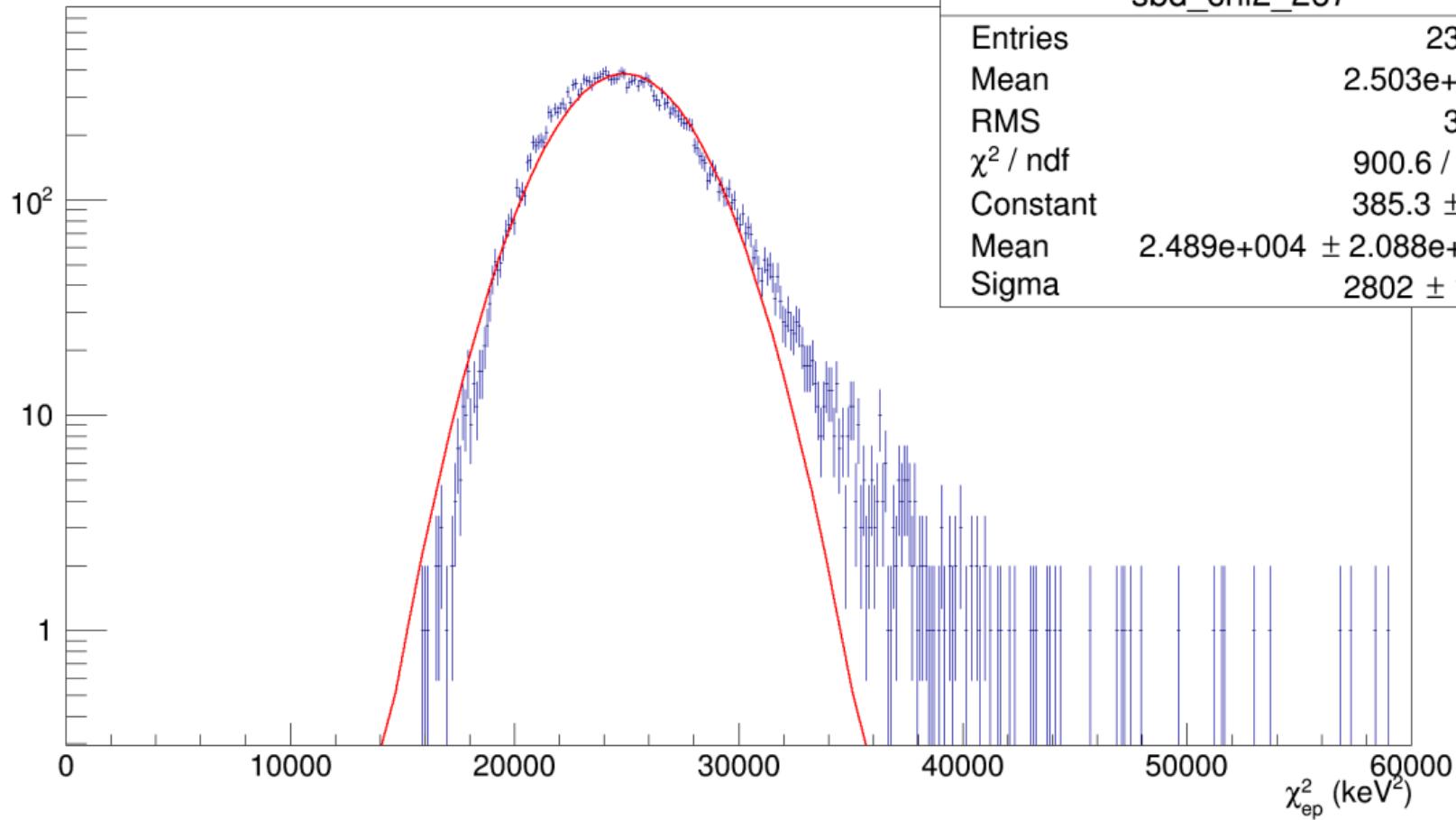
probability



sbd_chi2_266	
Entries	23251
Mean	2.5e+004
RMS	3197
χ^2 / ndf	935.6 / 222
Constant	380.8 ± 3.2
Mean	2.486e+004 ± 2.107e+001
Sigma	2809 ± 14.6

χ^2_{ep} from 267.00 keV to 268.00 keV

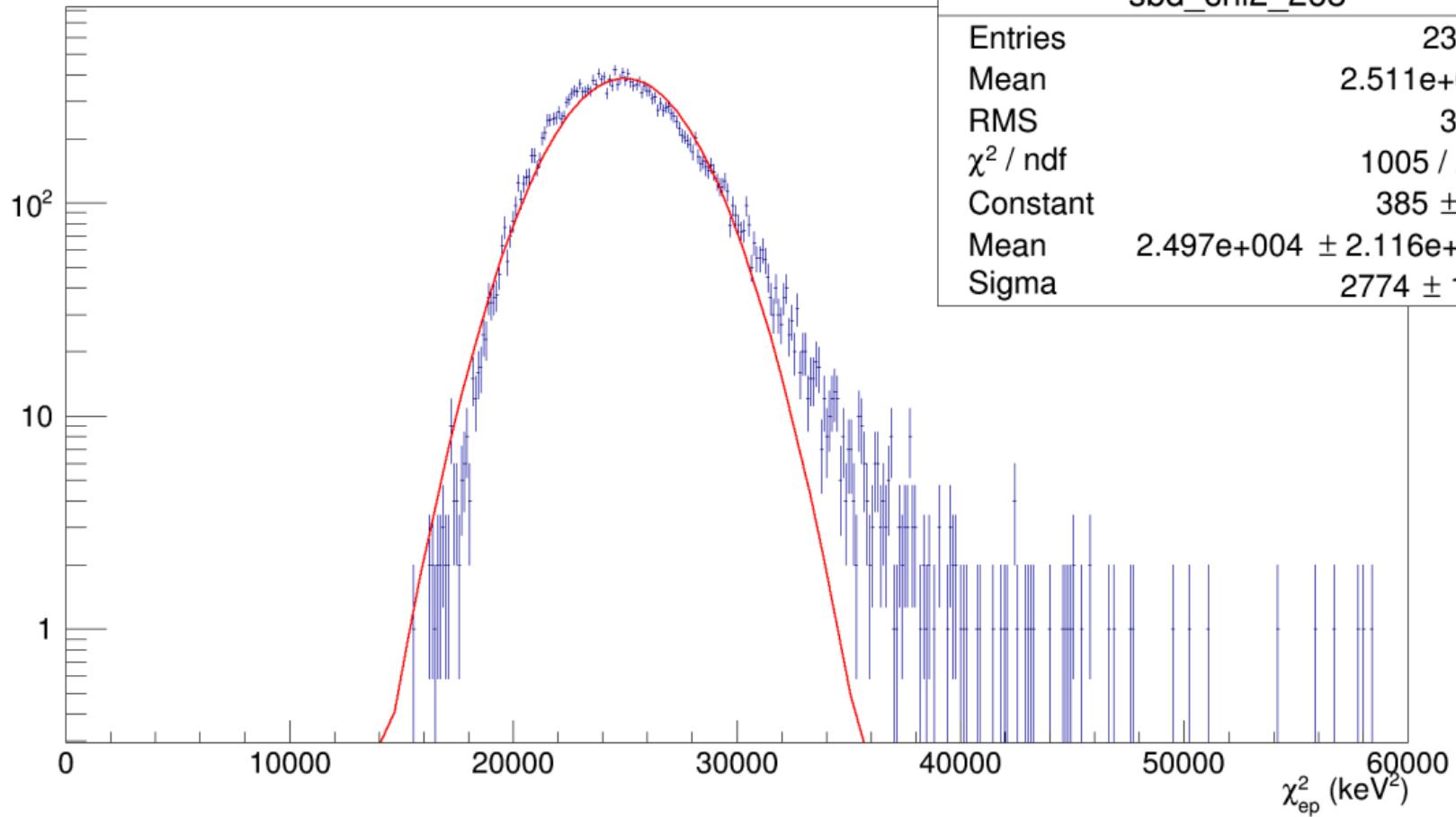
probability



sbd_chi2_267	
Entries	23435
Mean	2.503e+004
RMS	3196
χ^2 / ndf	900.6 / 224
Constant	385.3 ± 3.2
Mean	2.489e+004 ± 2.088e+001
Sigma	2802 ± 14.3

χ^2_{ep} from 268.00 keV to 269.00 keV

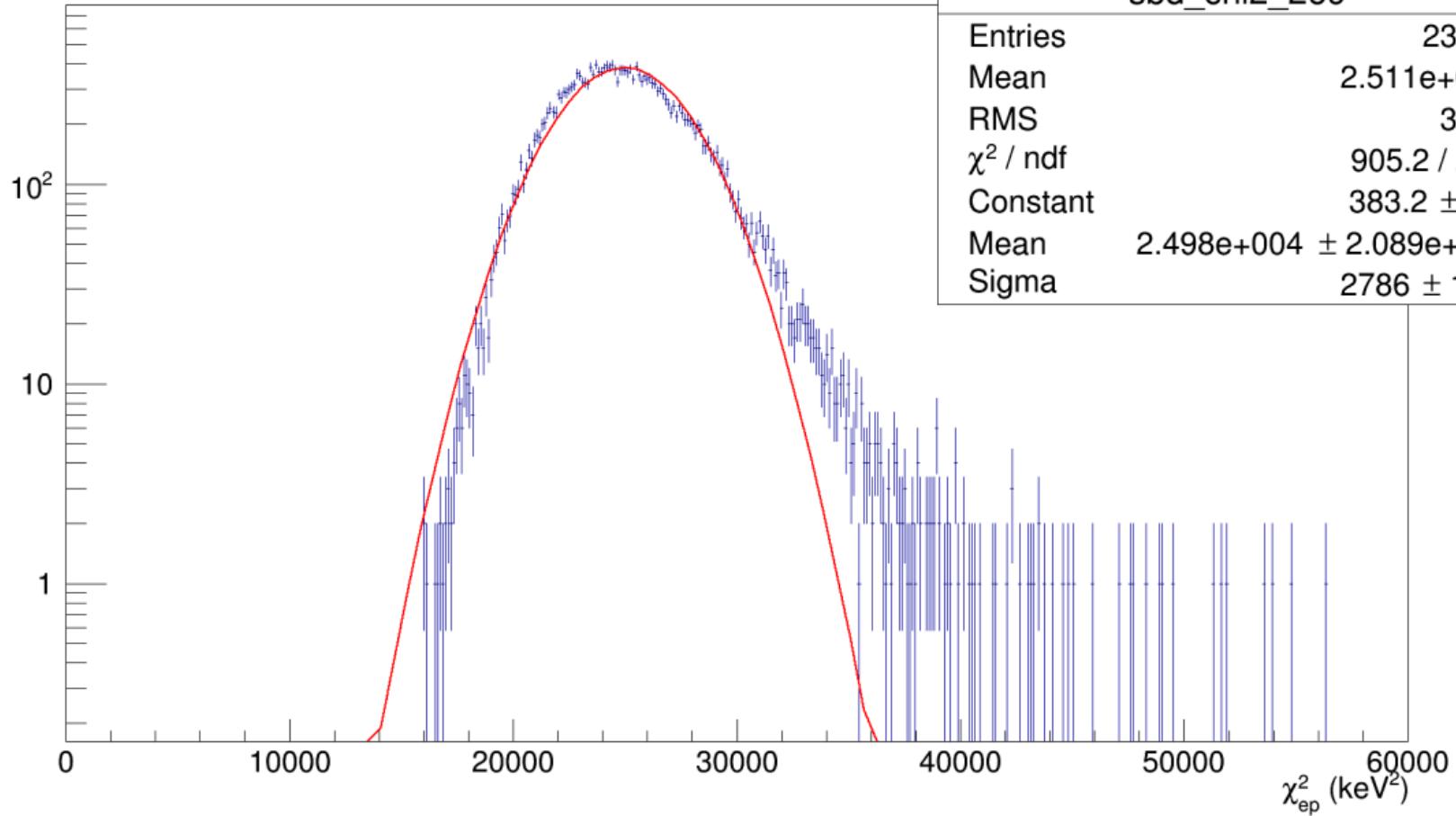
probability



sbd_chi2_268	
Entries	23314
Mean	2.511e+004
RMS	3199
χ^2 / ndf	1005 / 226
Constant	385 ± 3.2
Mean	2.497e+004 ± 2.116e+001
Sigma	2774 ± 14.3

χ^2_{ep} from 269.00 keV to 270.00 keV

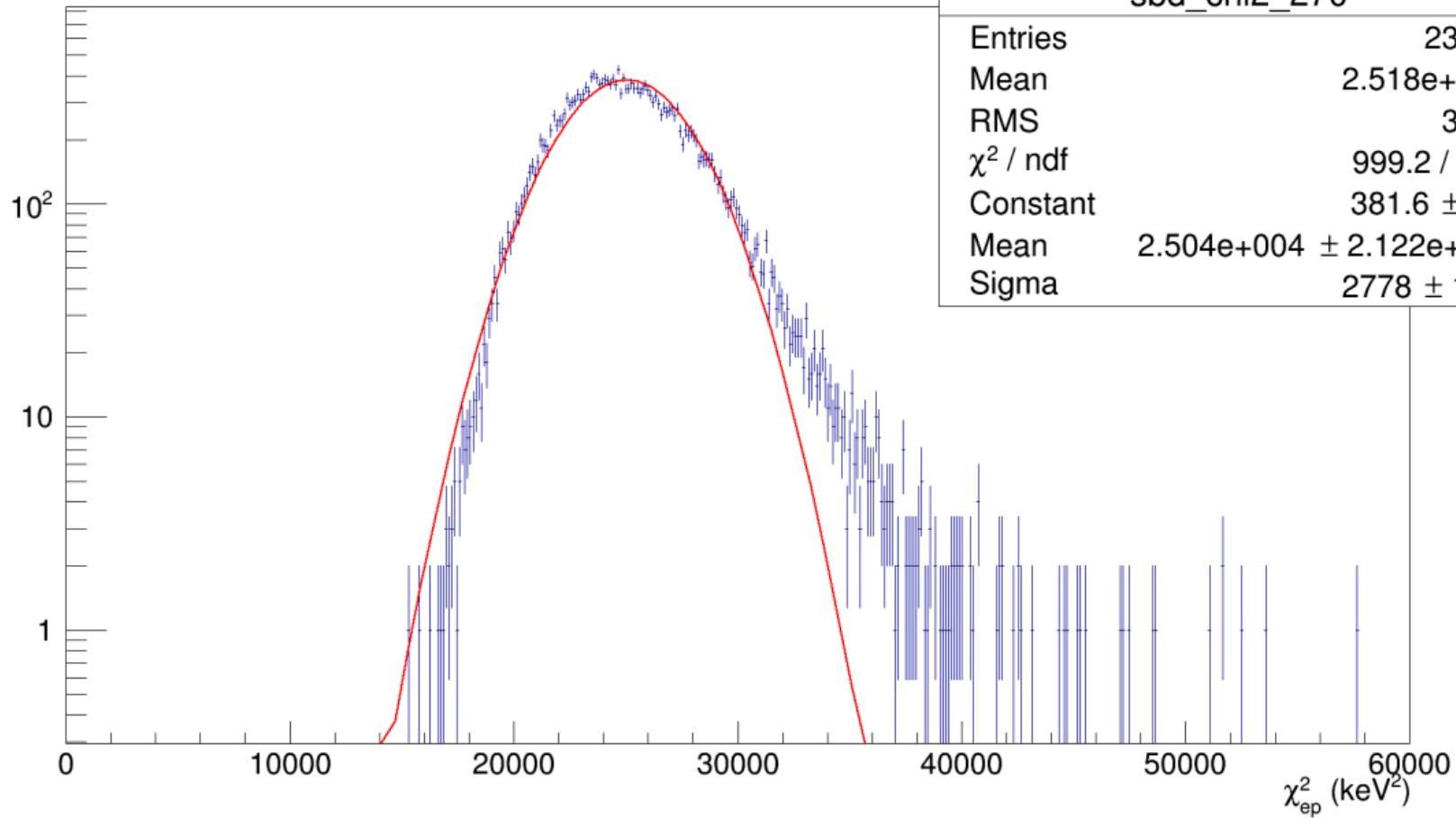
probability



sbd_chi2_269	
Entries	23210
Mean	2.511×10^4
RMS	3179
χ^2 / ndf	905.2 / 226
Constant	383.2 ± 3.2
Mean	$2.498 \times 10^4 \pm 2.089 \times 10^1$
Sigma	2786 ± 14.0

χ^2_{ep} from 270.00 keV to 271.00 keV

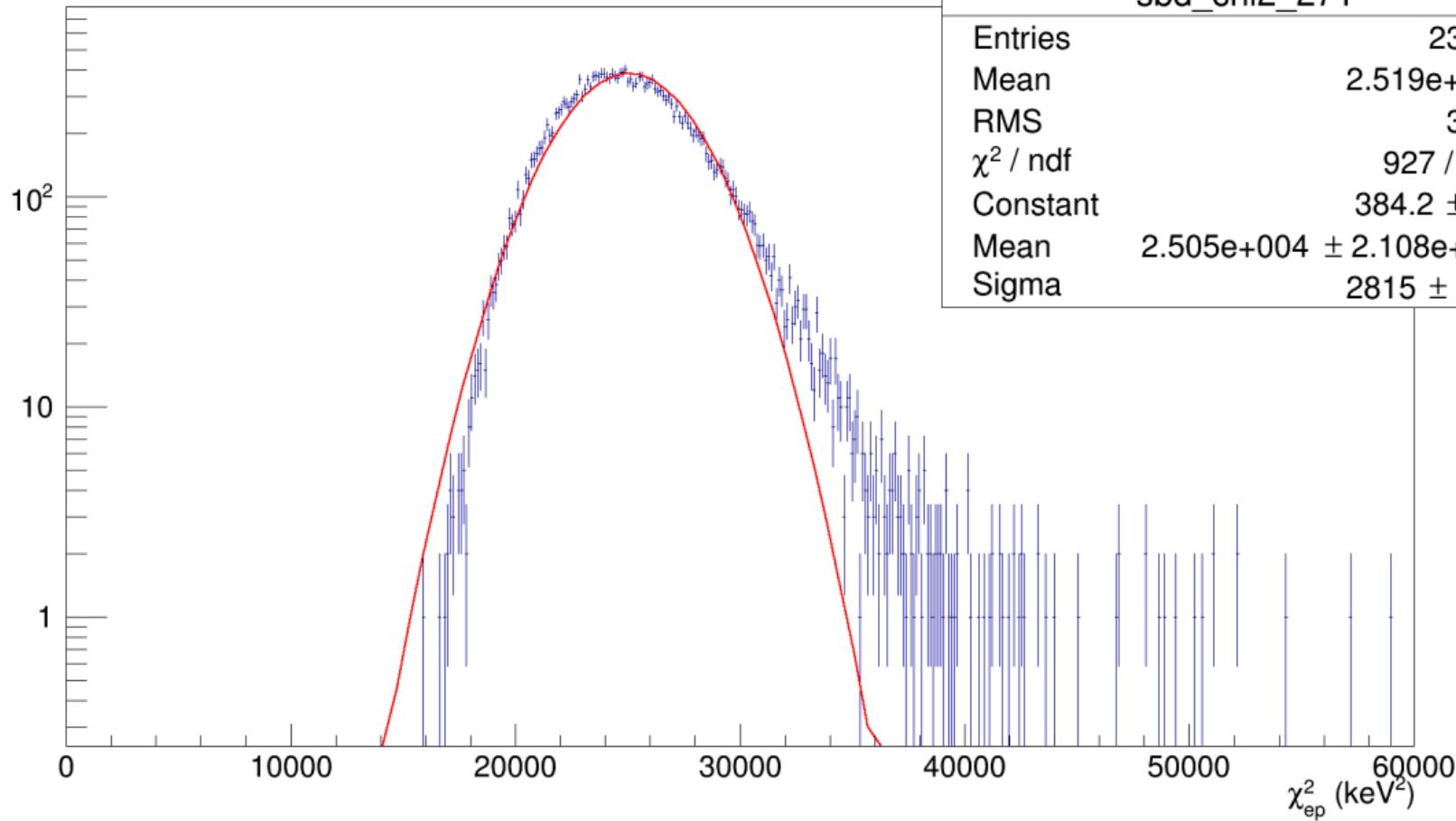
probability



sbd_chi2_270	
Entries	23138
Mean	2.518e+004
RMS	3189
χ^2 / ndf	999.2 / 219
Constant	381.6 ± 3.2
Mean	2.504e+004 ± 2.122e+001
Sigma	2778 ± 14.0

χ^2_{ep} from 271.00 keV to 272.00 keV

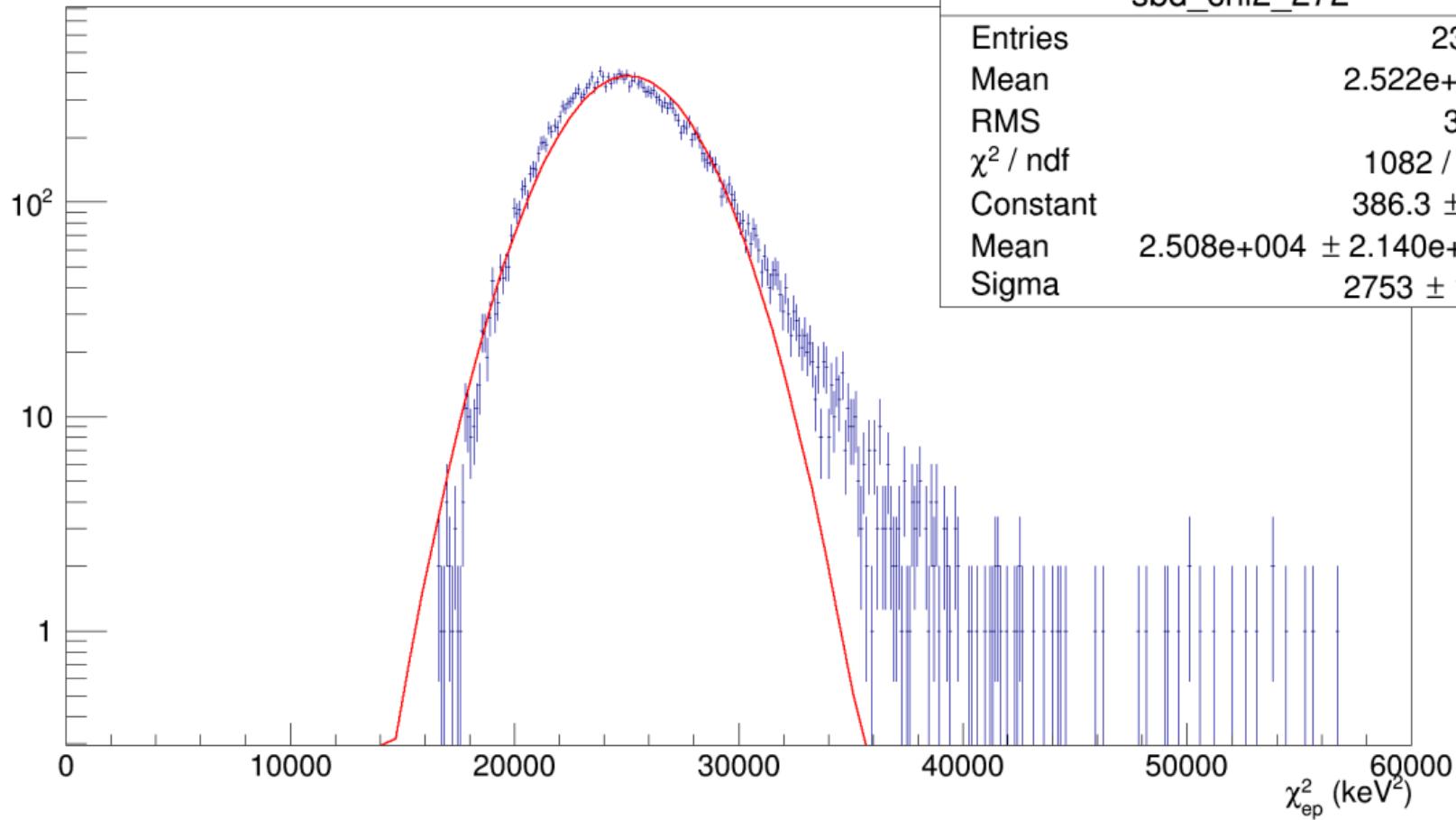
probability



sbd_chi2_271	
Entries	23495
Mean	2.519e+004
RMS	3214
χ^2 / ndf	927 / 219
Constant	384.2 ± 3.2
Mean	2.505e+004 ± 2.108e+001
Sigma	2815 ± 14.4

χ^2_{ep} from 272.00 keV to 273.00 keV

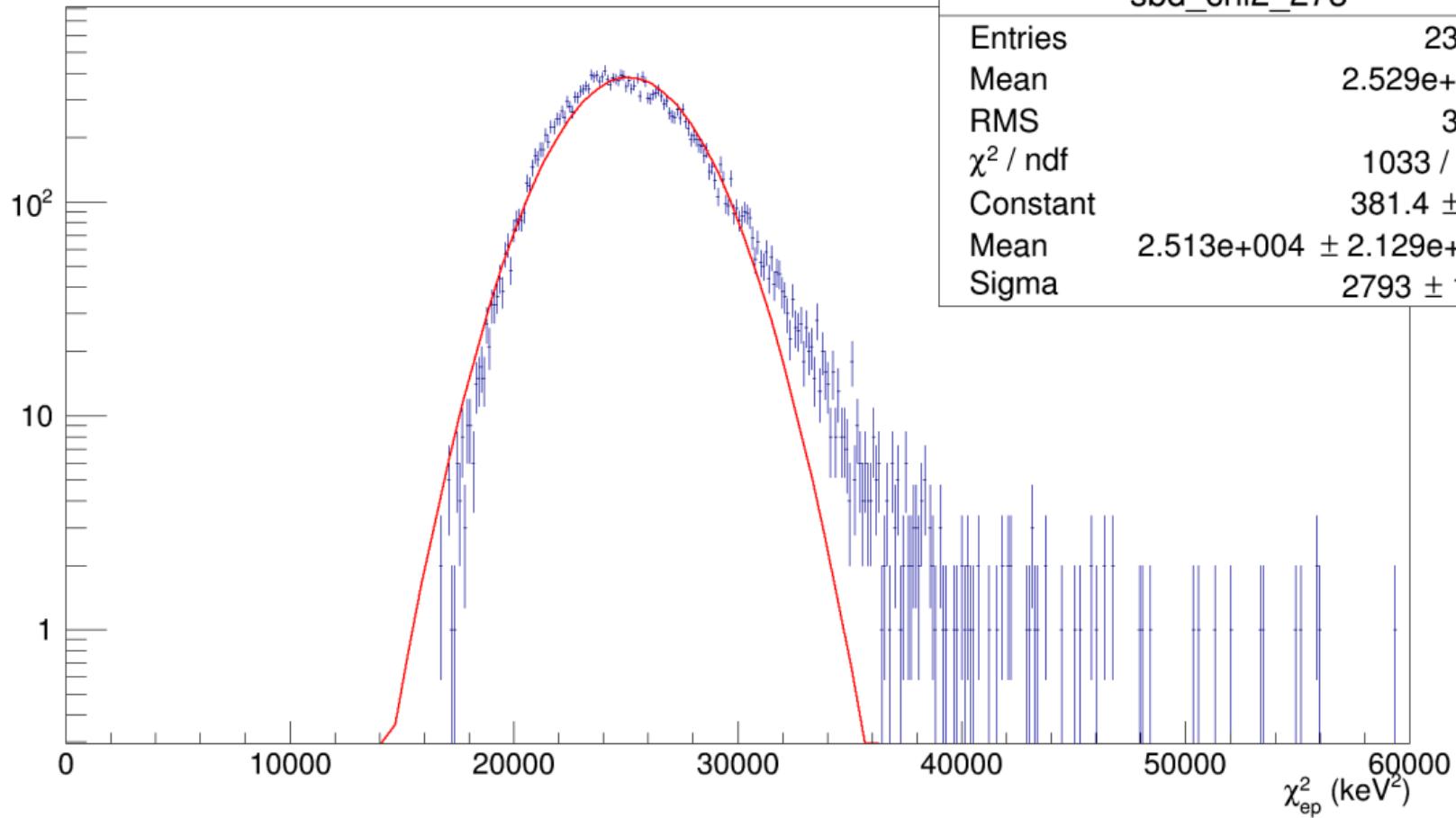
probability



sbd_chi2_272	
Entries	23291
Mean	2.522e+004
RMS	3229
χ^2 / ndf	1082 / 226
Constant	386.3 ± 3.2
Mean	2.508e+004 ± 2.140e+001
Sigma	2753 ± 13.8

χ^2_{ep} from 273.00 keV to 274.00 keV

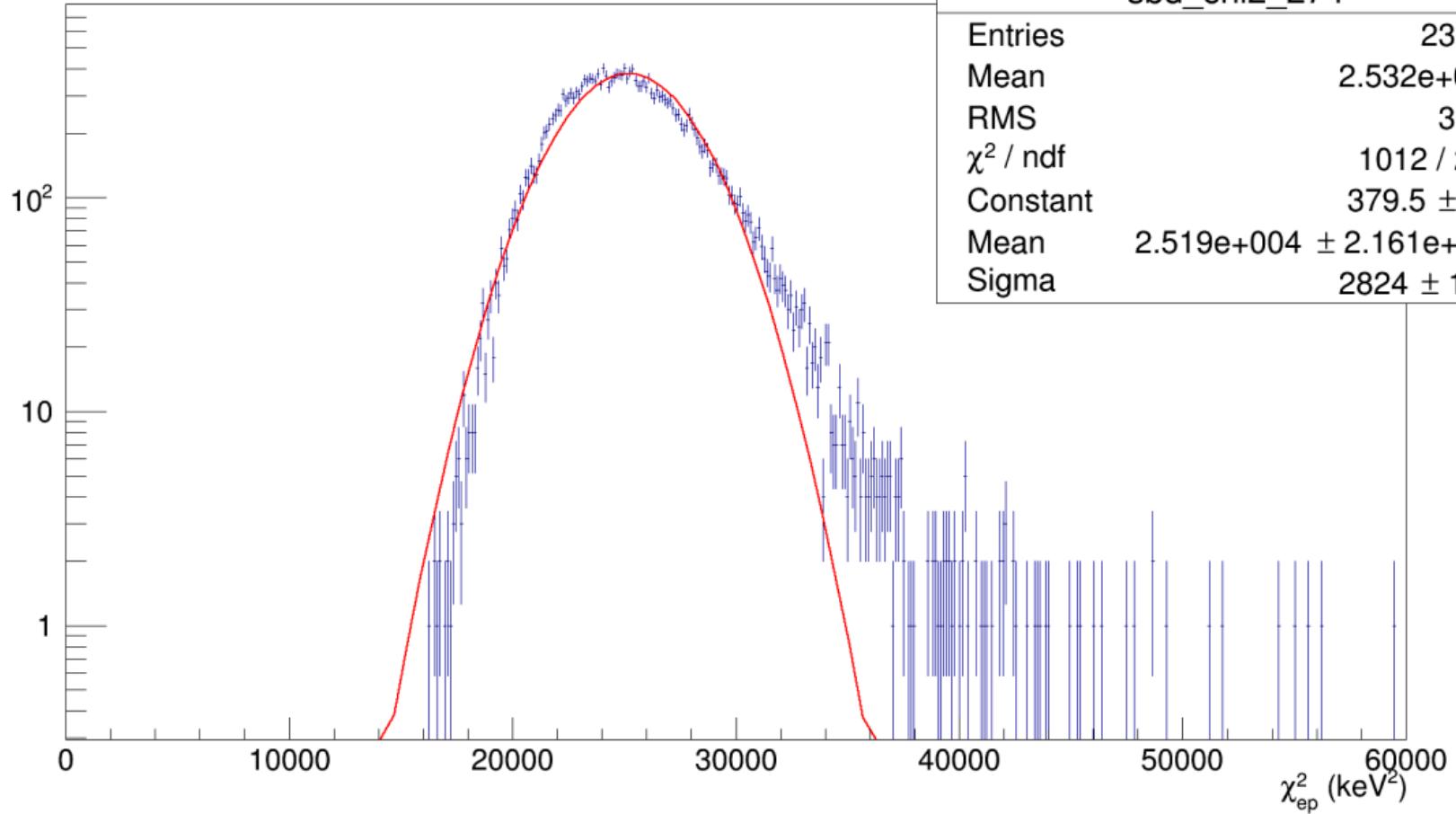
probability



sbd_chi2_273	
Entries	23258
Mean	2.529e+004
RMS	3236
χ^2 / ndf	1033 / 222
Constant	381.4 ± 3.2
Mean	2.513e+004 ± 2.129e+001
Sigma	2793 ± 14.7

χ^2_{ep} from 274.00 keV to 275.00 keV

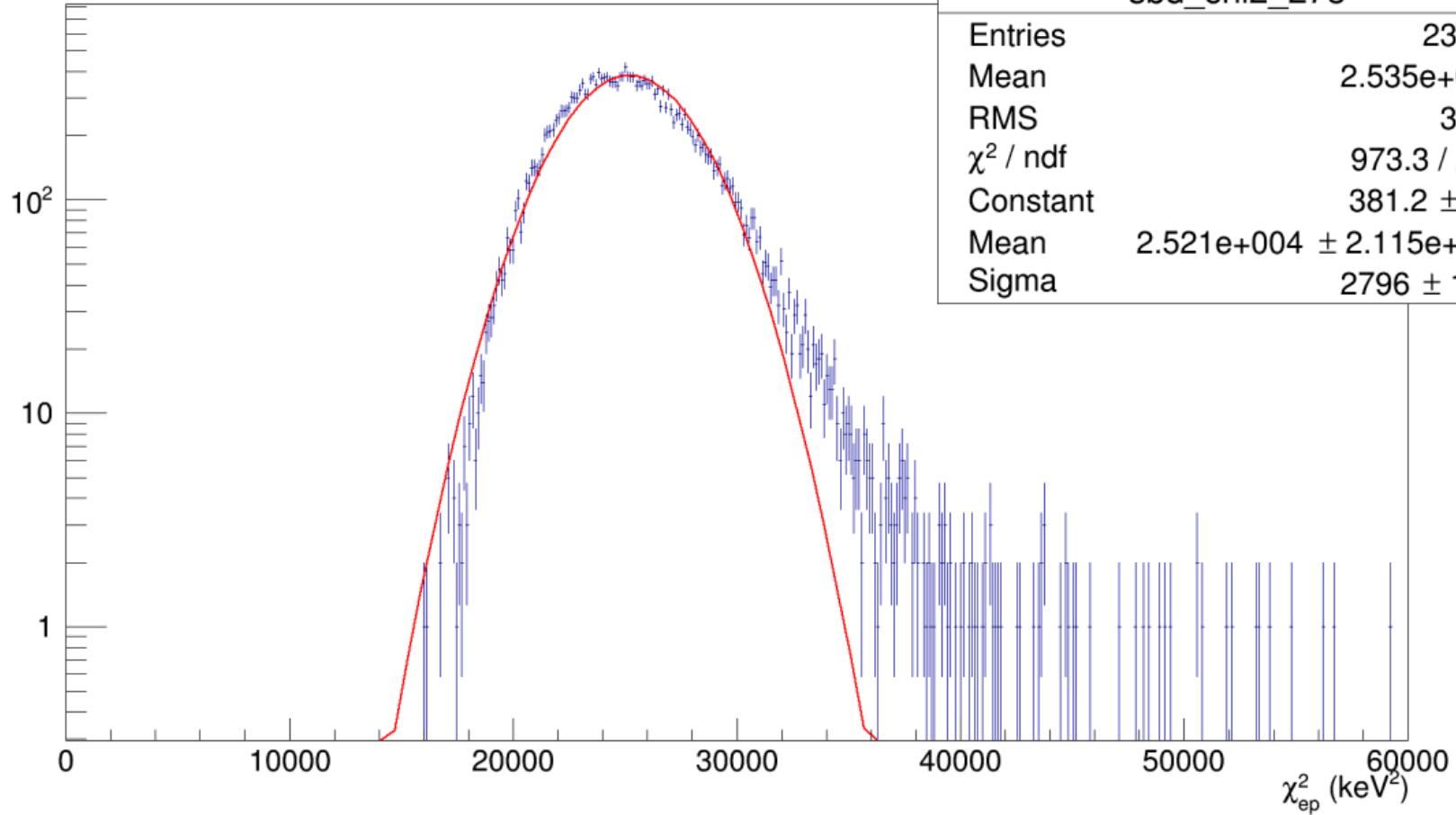
probability



sbd_chi2_274	
Entries	23396
Mean	2.532e+004
RMS	3224
χ^2 / ndf	1012 / 222
Constant	379.5 ± 3.2
Mean	2.519e+004 ± 2.161e+001
Sigma	2824 ± 14.4

χ^2_{ep} from 275.00 keV to 276.00 keV

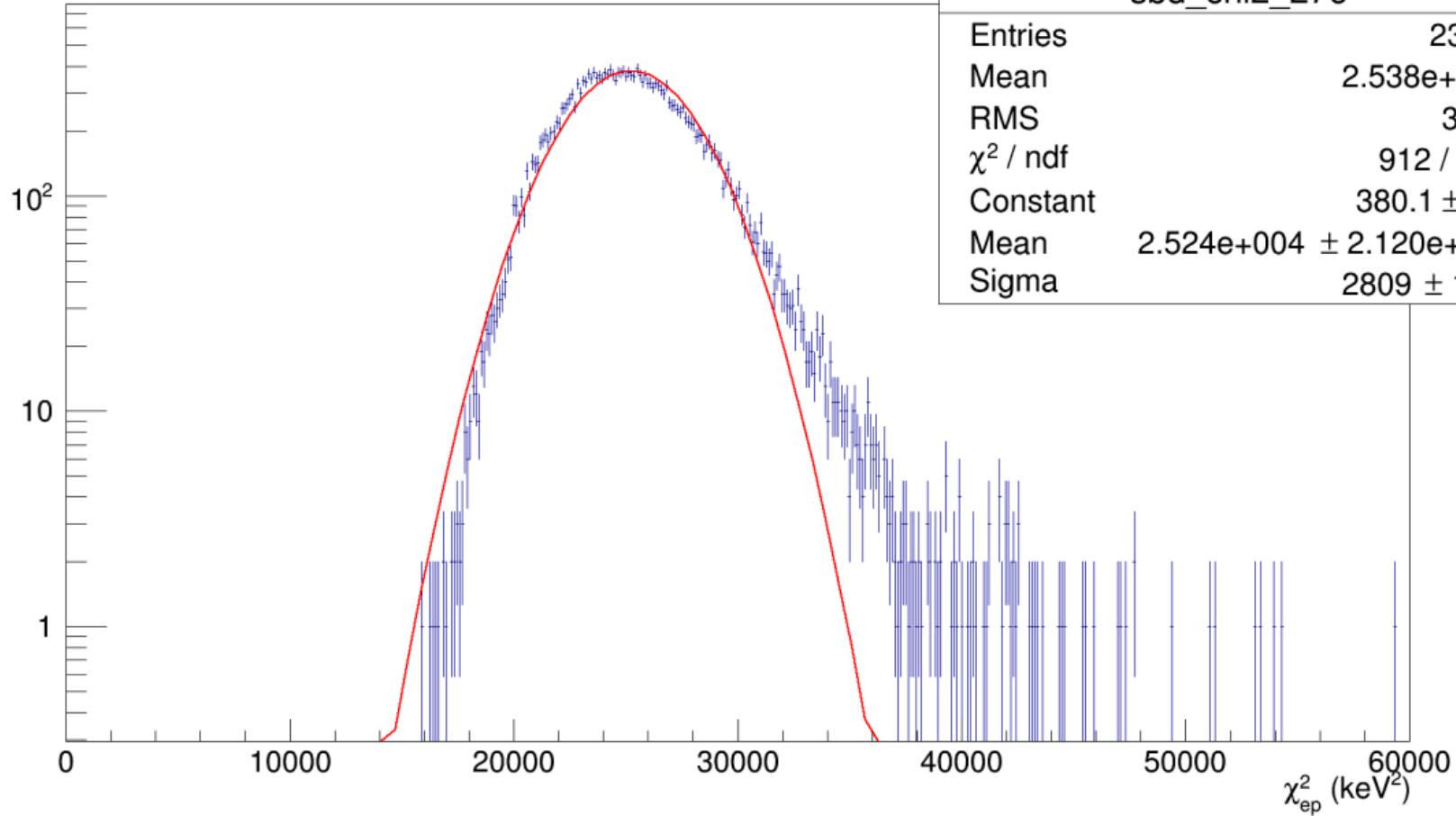
probability



sbd_chi2_275	
Entries	23212
Mean	2.535e+004
RMS	3229
χ^2 / ndf	973.3 / 228
Constant	381.2 ± 3.2
Mean	2.521e+004 ± 2.115e+001
Sigma	2796 ± 14.4

χ^2_{ep} from 276.00 keV to 277.00 keV

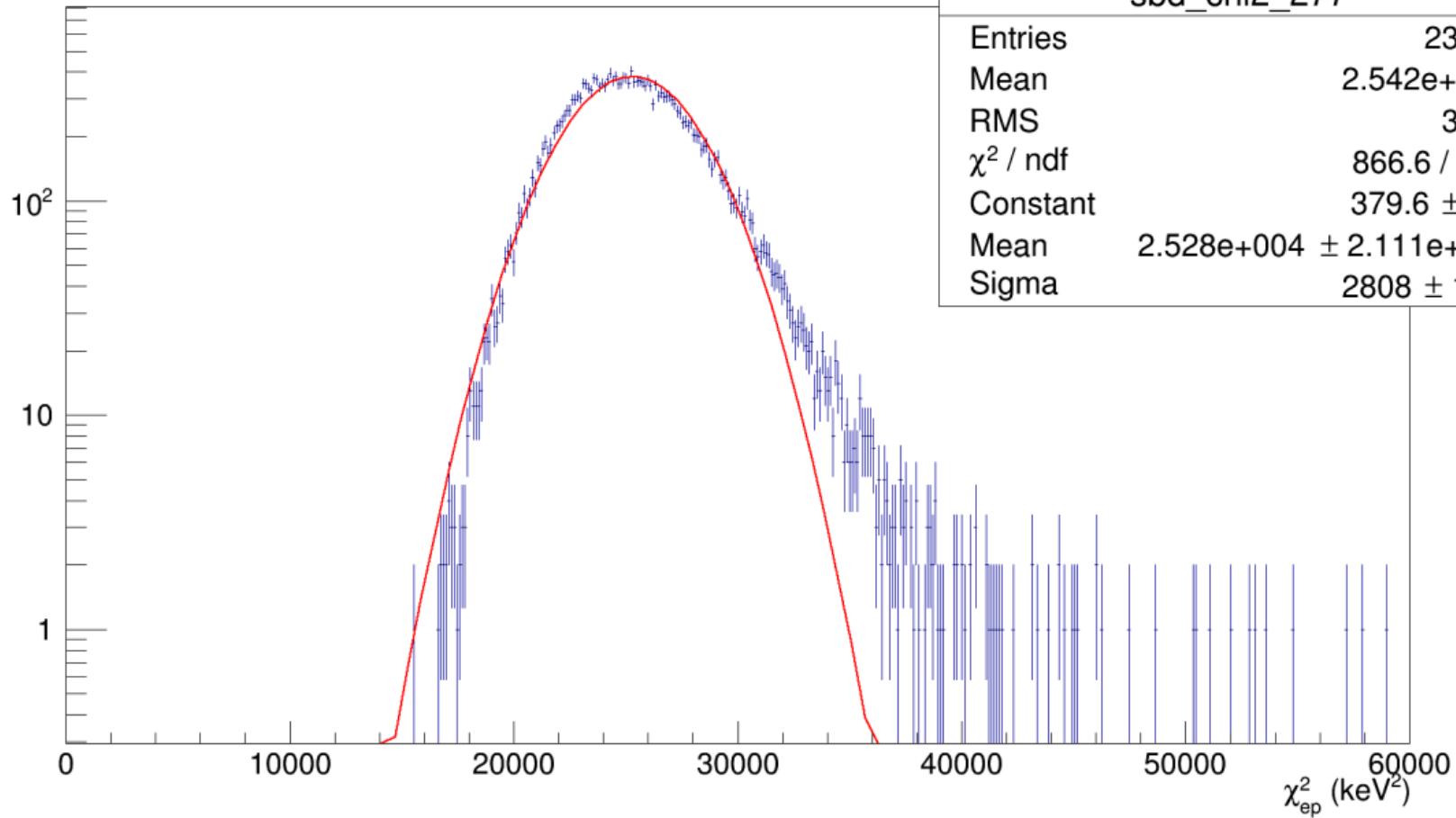
probability



sbd_chi2_276	
Entries	23201
Mean	2.538e+004
RMS	3218
χ^2 / ndf	912 / 228
Constant	380.1 ± 3.2
Mean	2.524e+004 ± 2.120e+001
Sigma	2809 ± 14.2

χ^2_{ep} from 277.00 keV to 278.00 keV

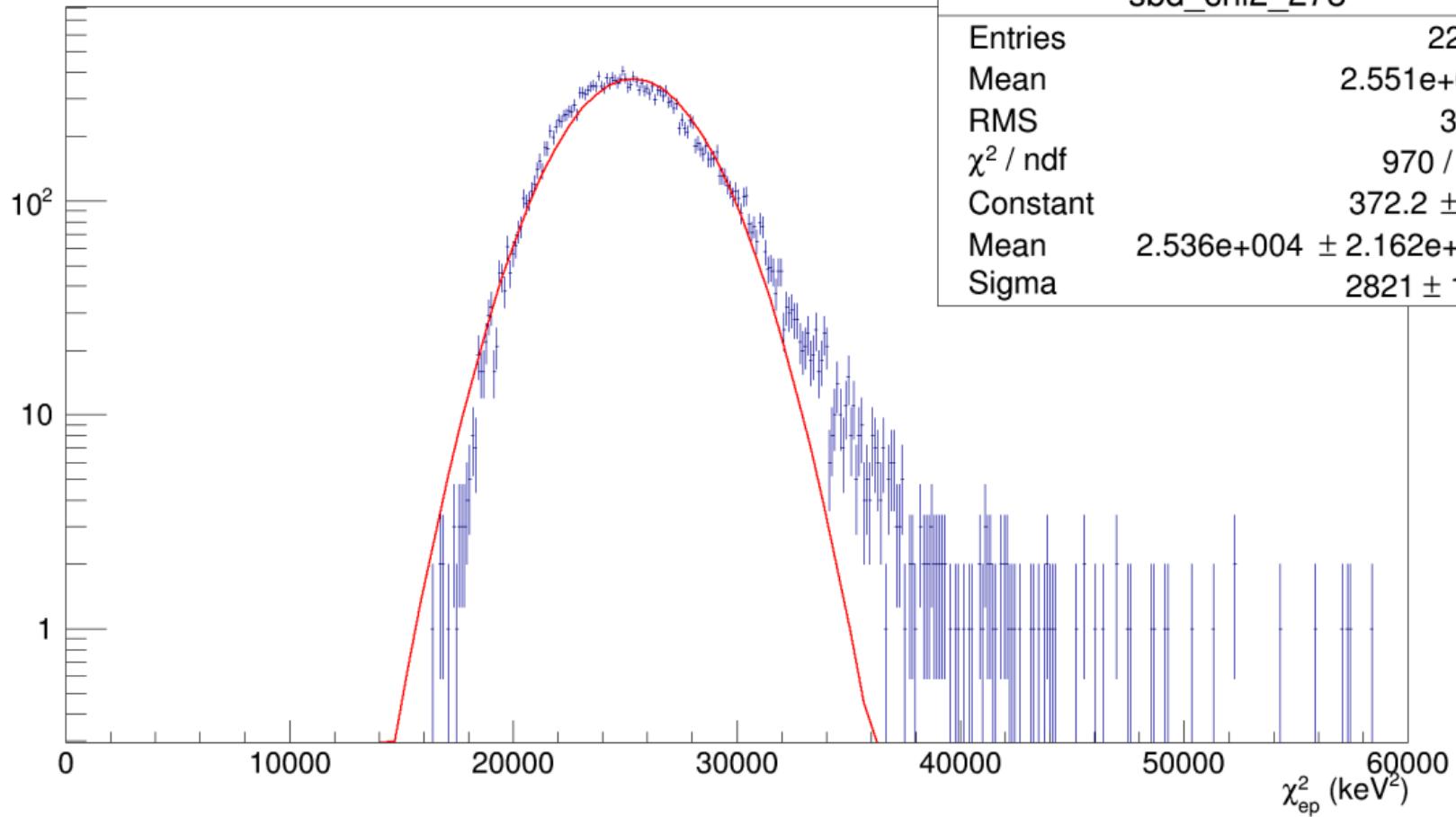
probability



sbd_chi2_277	
Entries	23135
Mean	2.542e+004
RMS	3202
χ^2 / ndf	866.6 / 222
Constant	379.6 ± 3.2
Mean	2.528e+004 ± 2.111e+001
Sigma	2808 ± 14.4

χ^2_{ep} from 278.00 keV to 279.00 keV

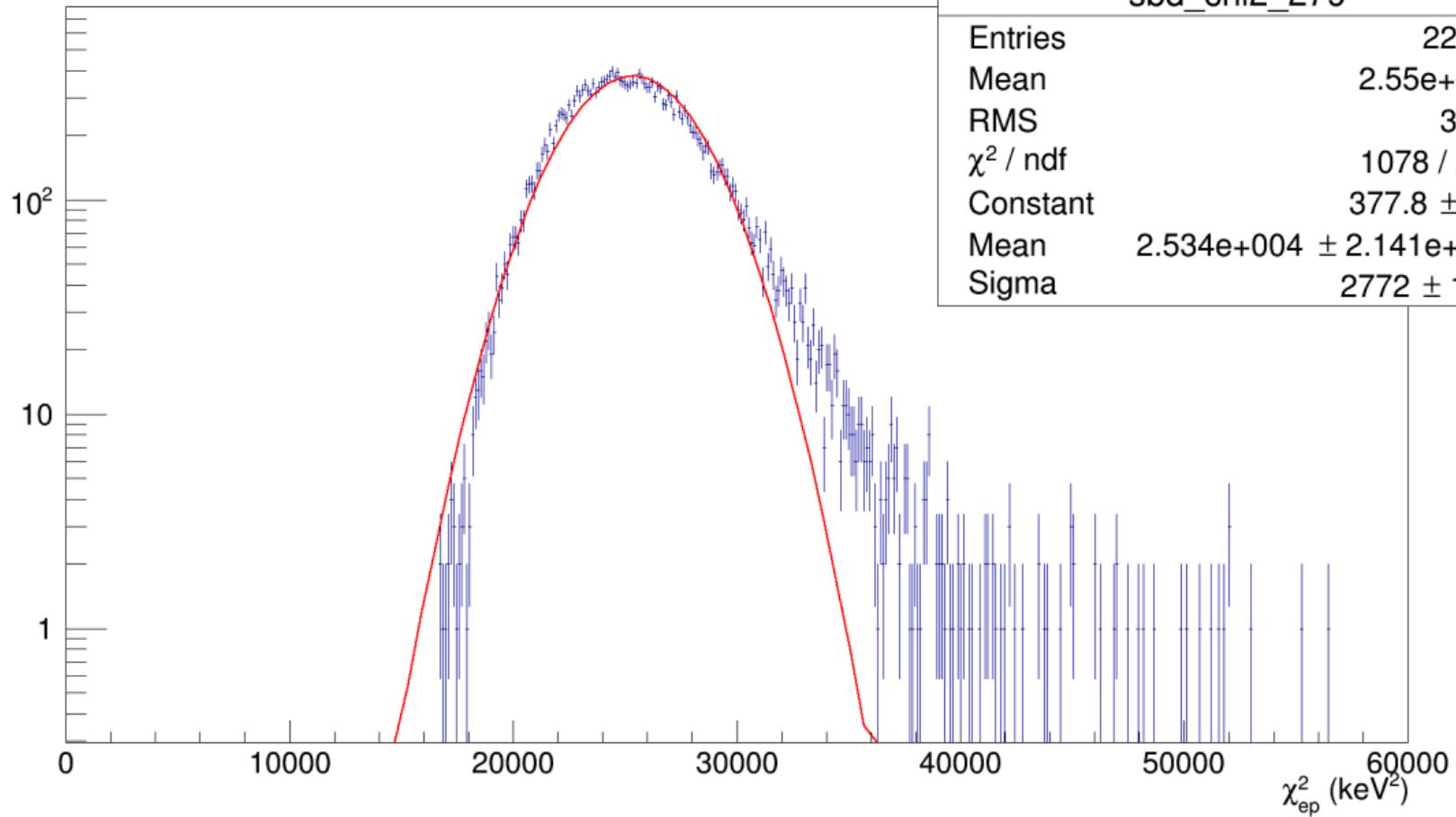
probability



sbd_chi2_278	
Entries	22881
Mean	2.551e+004
RMS	3258
χ^2 / ndf	970 / 231
Constant	372.2 ± 3.2
Mean	2.536e+004 ± 2.162e+001
Sigma	2821 ± 14.6

χ^2_{ep} from 279.00 keV to 280.00 keV

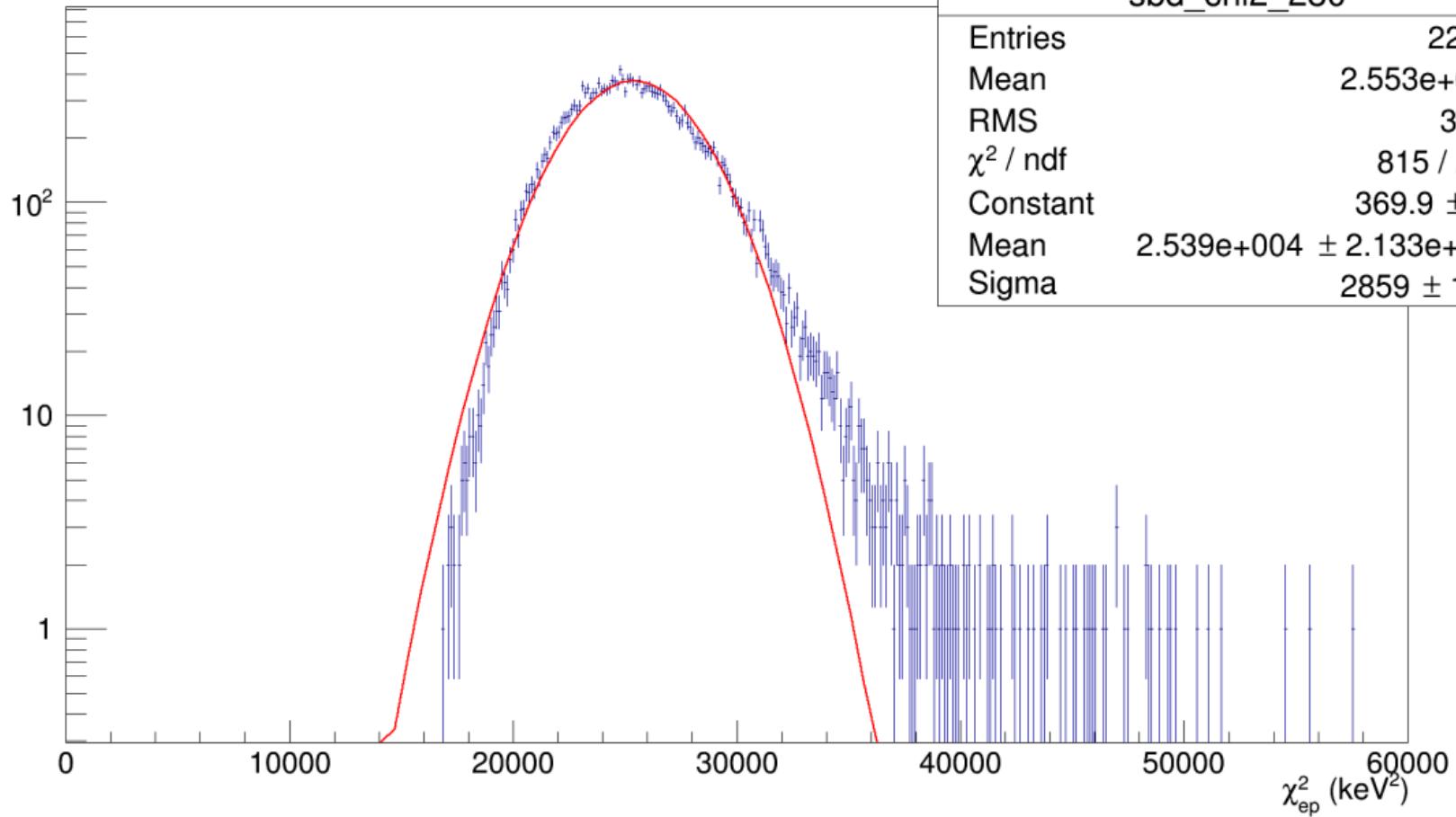
probability



sbd_chi2_279	
Entries	22956
Mean	2.55e+004
RMS	3260
χ^2 / ndf	1078 / 225
Constant	377.8 ± 3.2
Mean	2.534e+004 ± 2.141e+001
Sigma	2772 ± 14.0

χ^2_{ep} from 280.00 keV to 281.00 keV

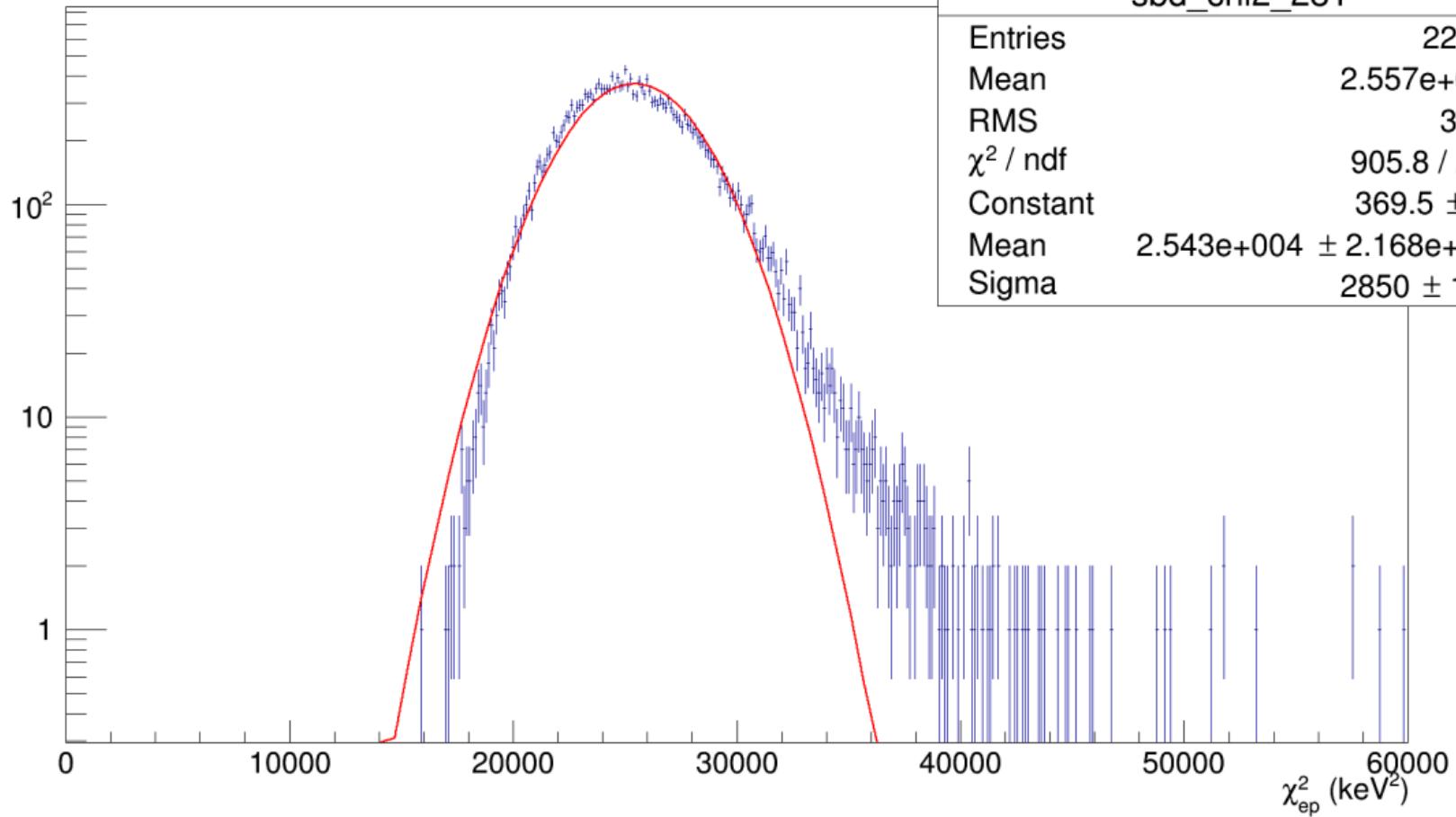
probability



sbd_chi2_280	
Entries	22881
Mean	2.553e+004
RMS	3236
χ^2 / ndf	815 / 233
Constant	369.9 ± 3.1
Mean	2.539e+004 ± 2.133e+001
Sigma	2859 ± 14.9

χ^2_{ep} from 281.00 keV to 282.00 keV

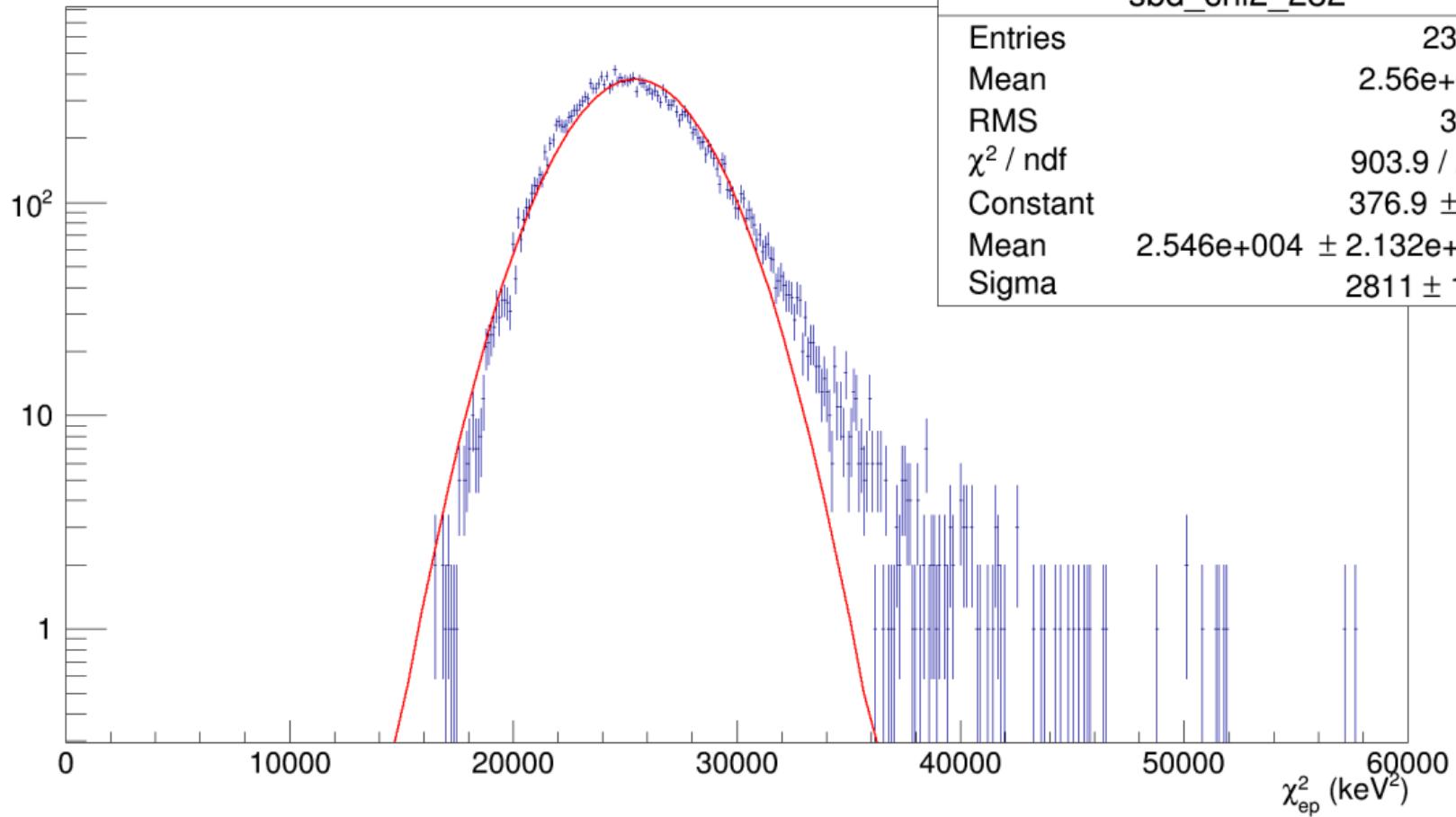
probability



sbd_chi2_281	
Entries	22887
Mean	2.557e+004
RMS	3227
χ^2 / ndf	905.8 / 220
Constant	369.5 ± 3.1
Mean	2.543e+004 ± 2.168e+001
Sigma	2850 ± 14.8

χ^2_{ep} from 282.00 keV to 283.00 keV

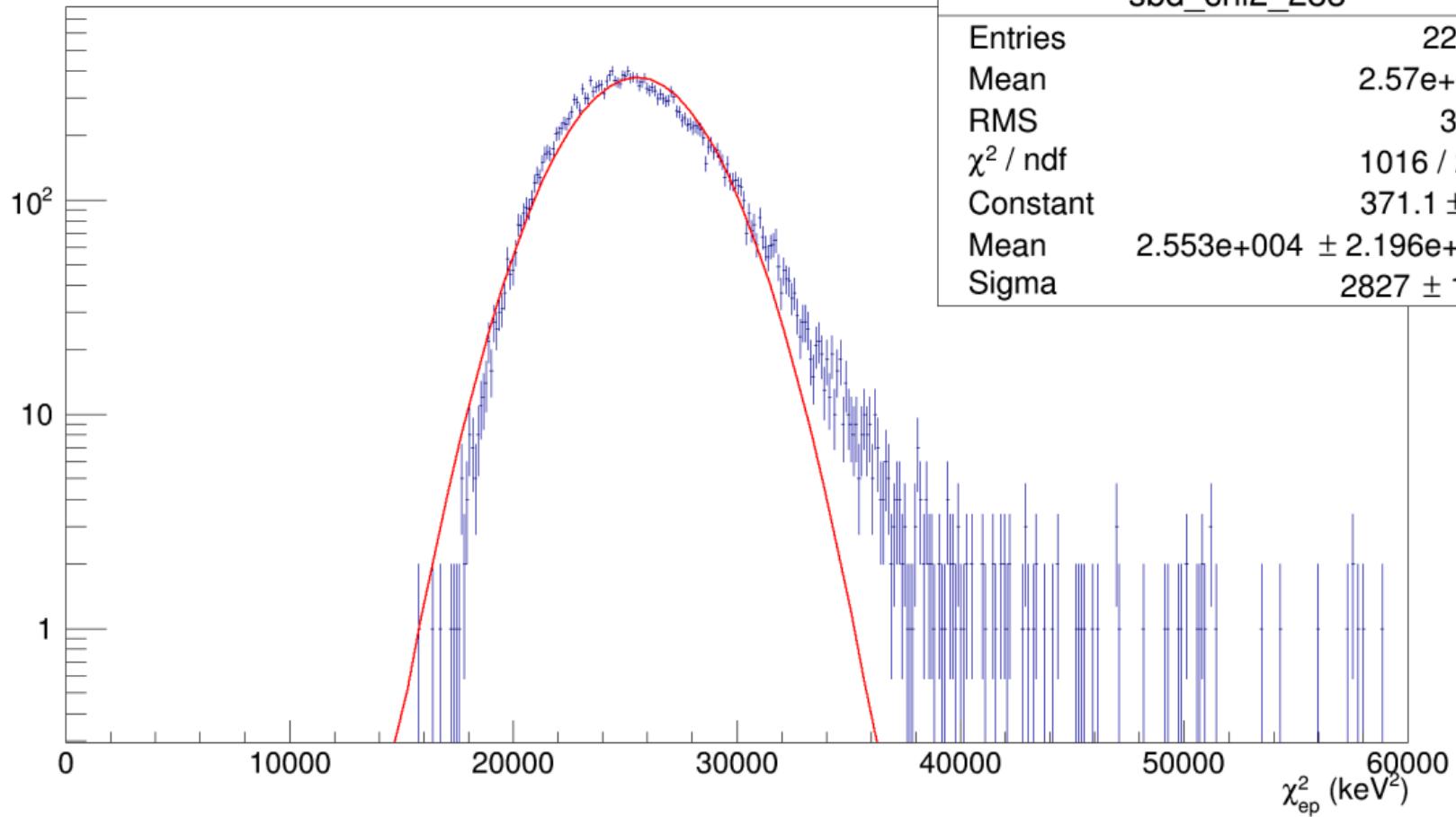
probability



sbd_chi2_282	
Entries	23025
Mean	2.56e+004
RMS	3197
χ^2 / ndf	903.9 / 222
Constant	376.9 ± 3.2
Mean	2.546e+004 ± 2.132e+001
Sigma	2811 ± 14.6

χ^2_{ep} from 283.00 keV to 284.00 keV

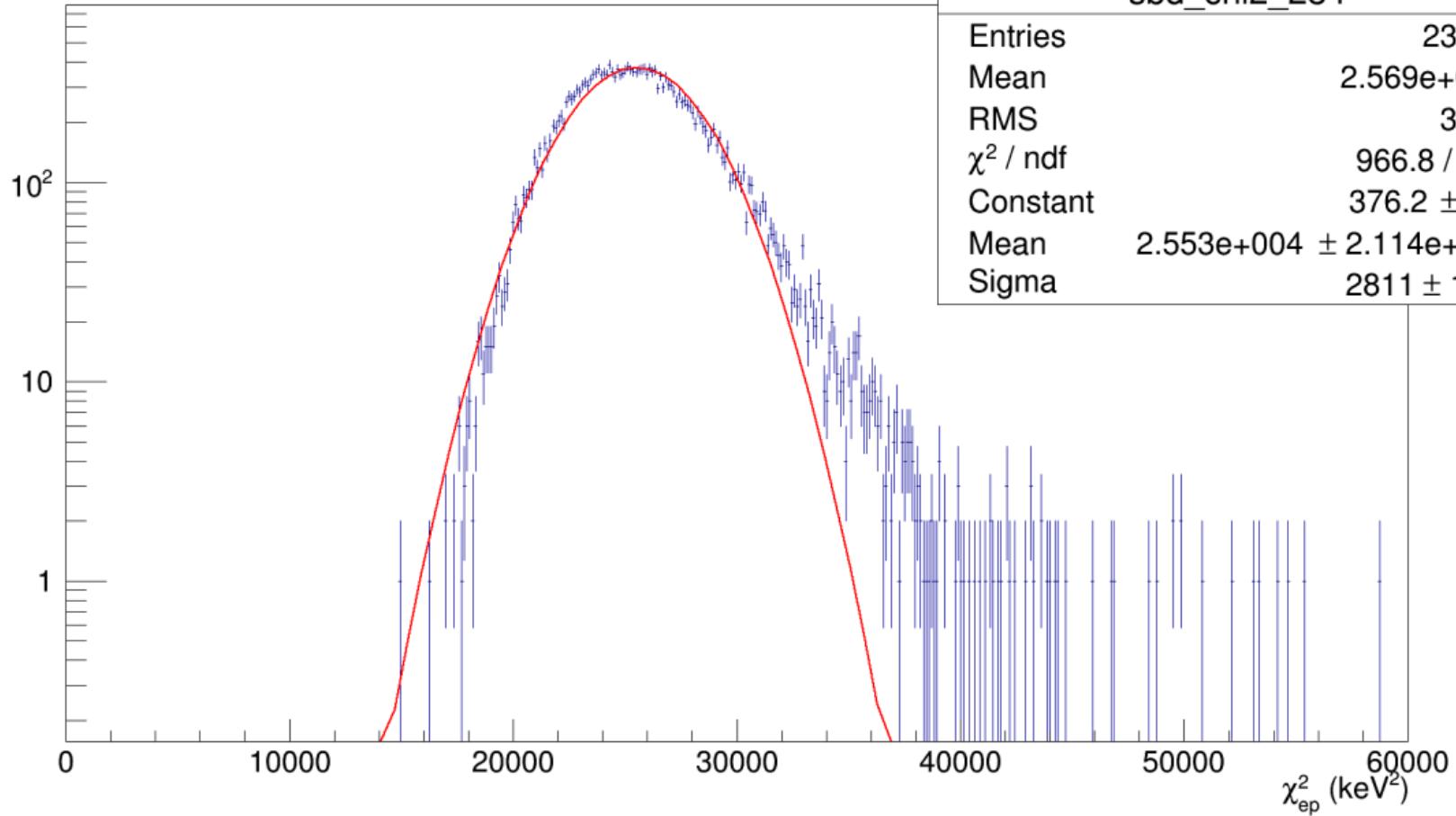
probability



sbd_chi2_283	
Entries	22912
Mean	2.57e+004
RMS	3330
χ^2 / ndf	1016 / 237
Constant	371.1 ± 3.1
Mean	2.553e+004 ± 2.196e+001
Sigma	2827 ± 14.5

χ^2_{ep} from 284.00 keV to 285.00 keV

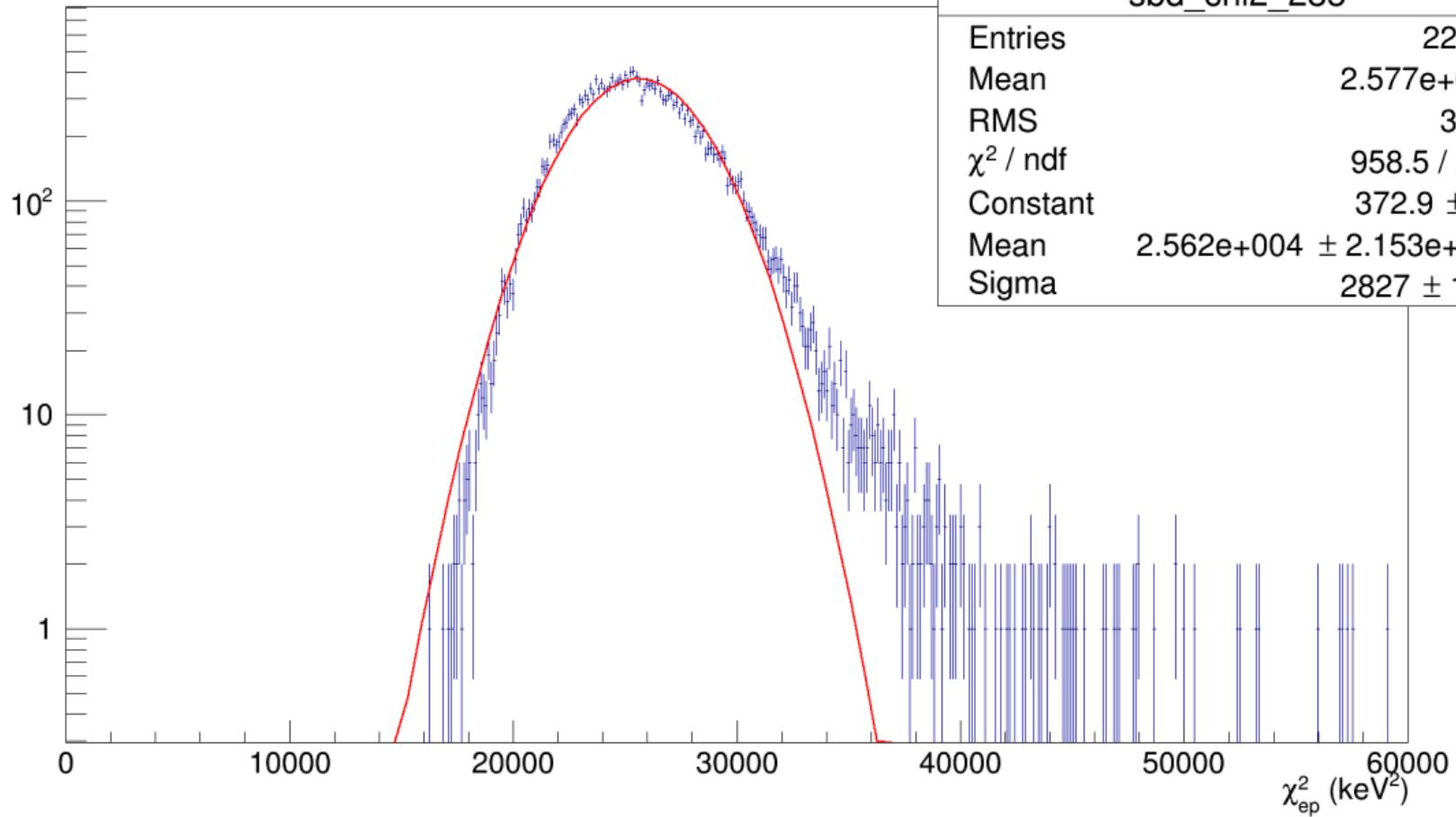
probability



sbd_chi2_284	
Entries	23037
Mean	2.569e+004
RMS	3228
χ^2 / ndf	966.8 / 221
Constant	376.2 ± 3.2
Mean	2.553e+004 ± 2.114e+001
Sigma	2811 ± 14.8

χ^2_{ep} from 285.00 keV to 286.00 keV

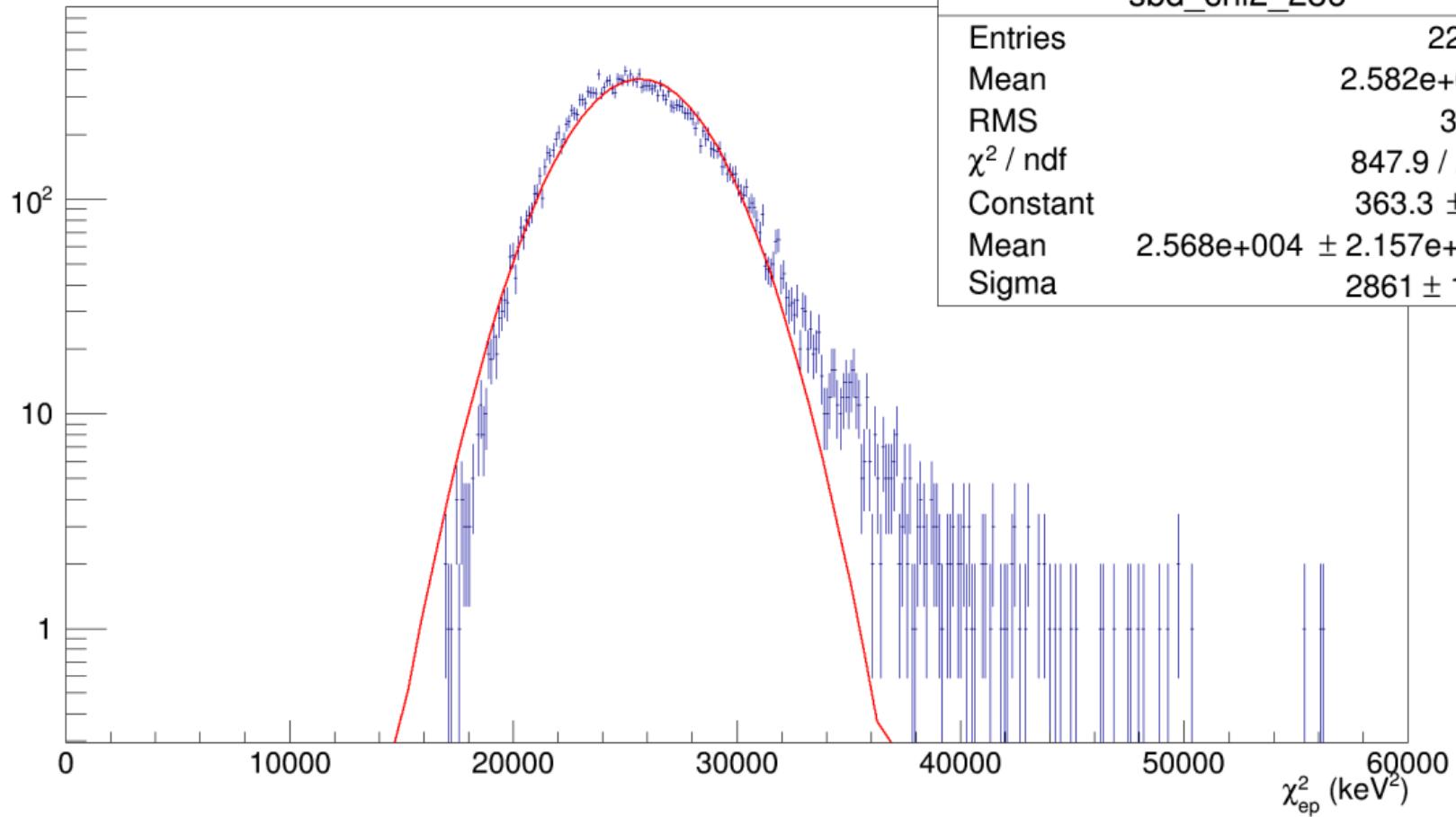
probability



sbd_chi2_285	
Entries	22982
Mean	2.577e+004
RMS	3295
χ^2 / ndf	958.5 / 238
Constant	372.9 ± 3.1
Mean	2.562e+004 ± 2.153e+001
Sigma	2827 ± 14.3

χ^2_{ep} from 286.00 keV to 287.00 keV

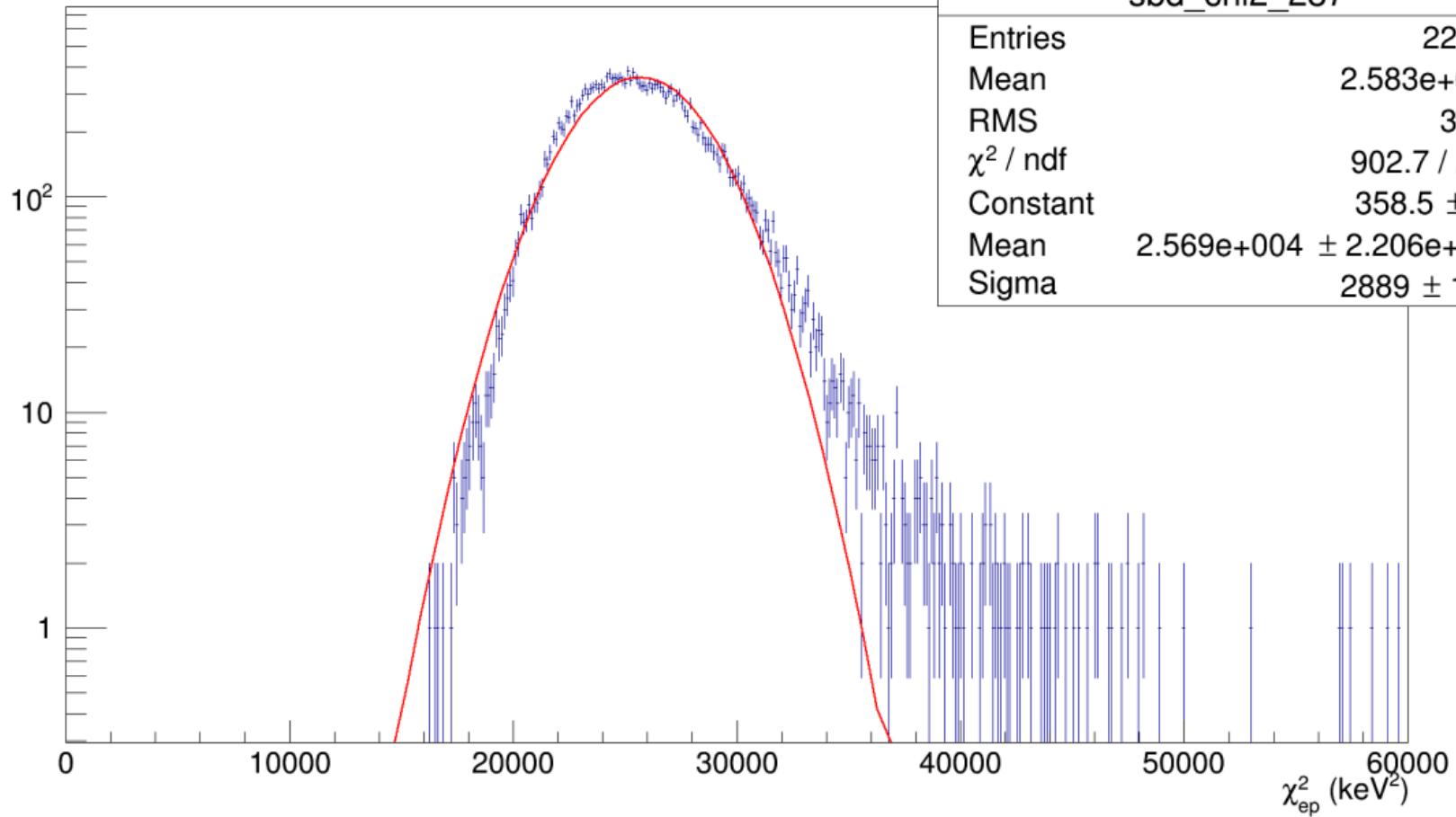
probability



sbd_chi2_286	
Entries	22541
Mean	2.582e+004
RMS	3243
χ^2 / ndf	847.9 / 223
Constant	363.3 ± 3.1
Mean	2.568e+004 ± 2.157e+001
Sigma	2861 ± 14.7

χ^2_{ep} from 287.00 keV to 288.00 keV

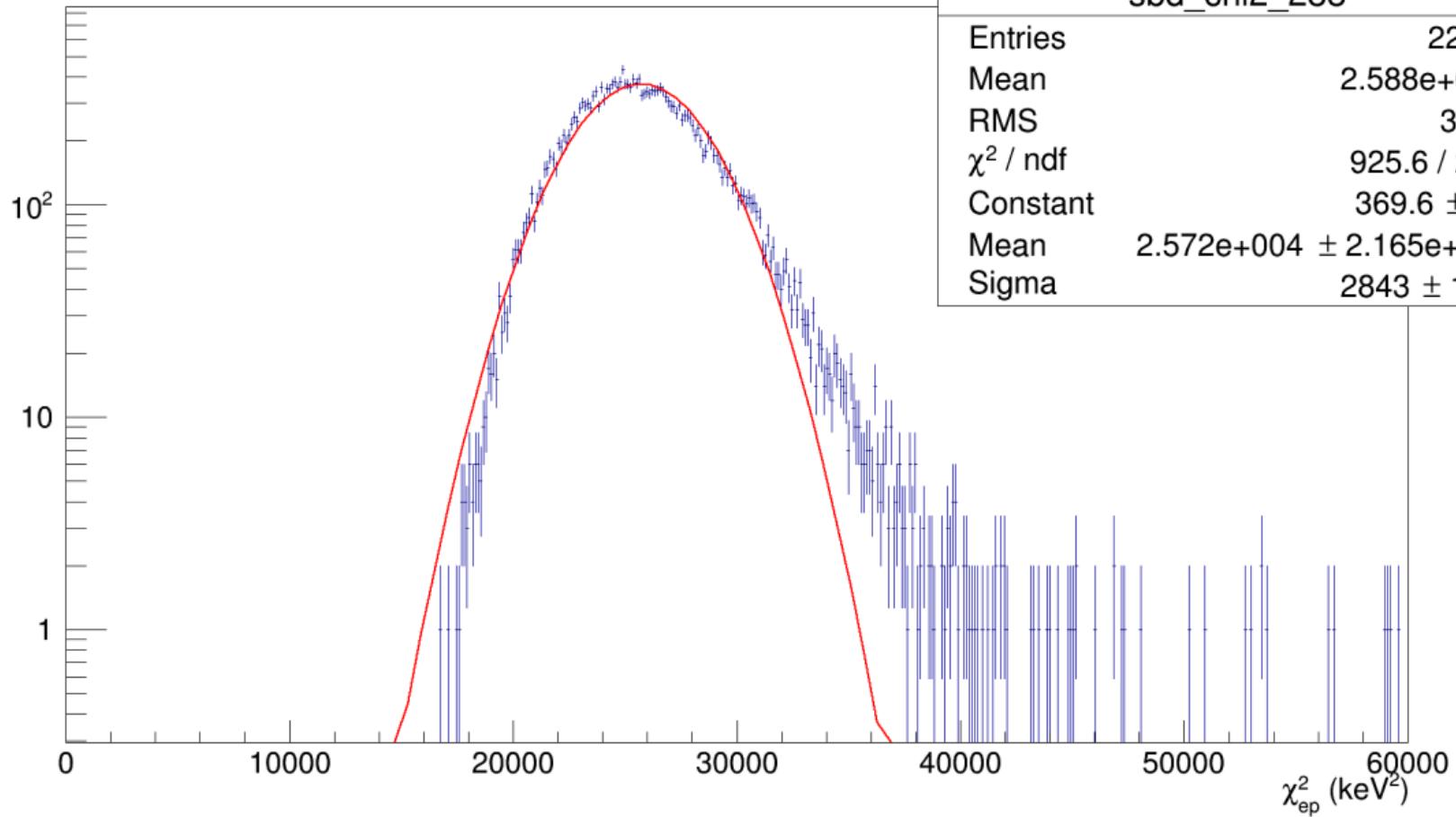
probability



sbd_chi2_287	
Entries	22522
Mean	2.583e+004
RMS	3293
χ^2 / ndf	902.7 / 233
Constant	358.5 ± 3.1
Mean	2.569e+004 ± 2.206e+001
Sigma	2889 ± 15.4

χ^2_{ep} from 288.00 keV to 289.00 keV

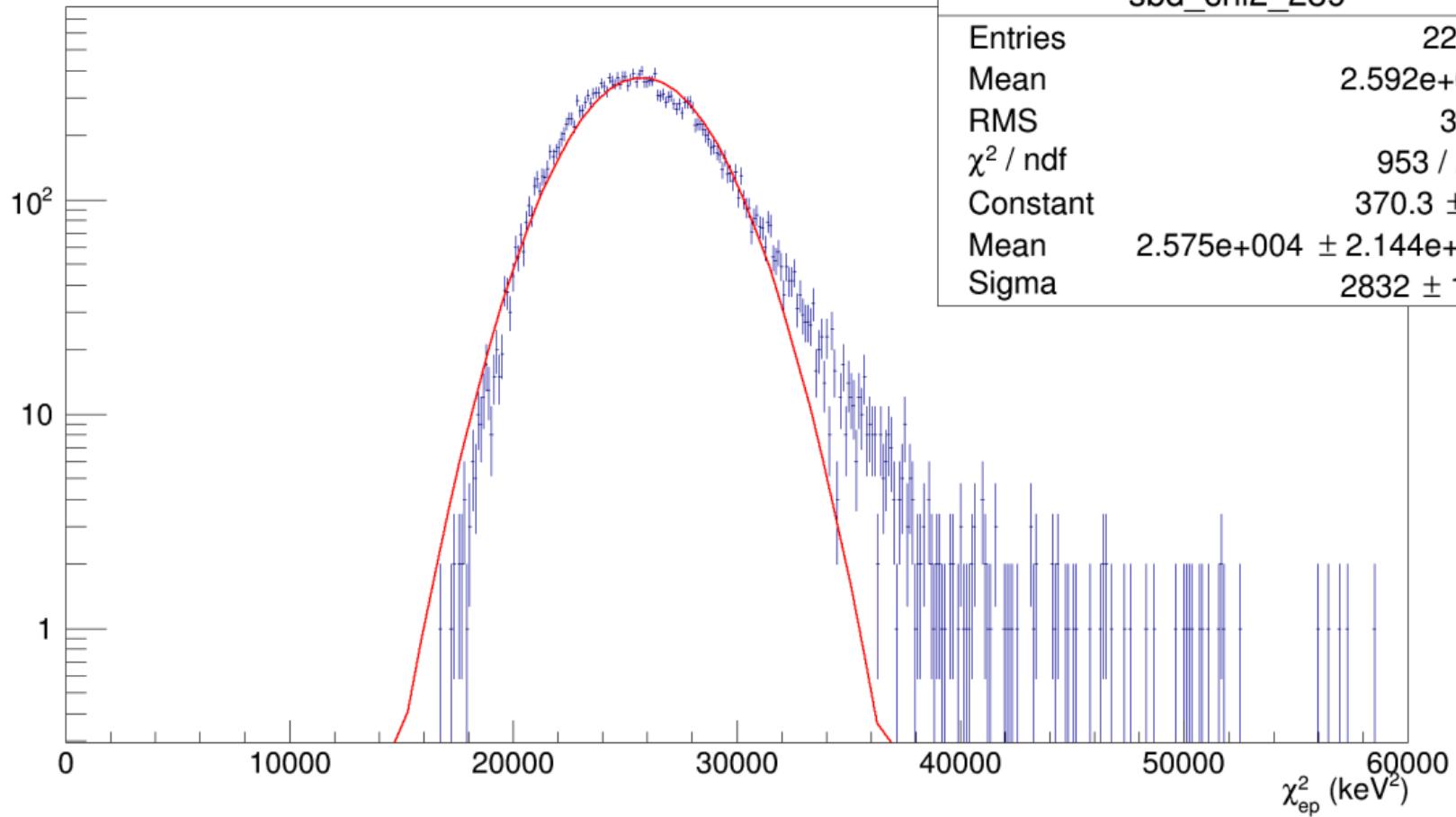
probability



sbd_chi2_288	
Entries	22871
Mean	2.588e+004
RMS	3264
χ^2 / ndf	925.6 / 224
Constant	369.6 ± 3.1
Mean	2.572e+004 ± 2.165e+001
Sigma	2843 ± 14.9

χ^2_{ep} from 289.00 keV to 290.00 keV

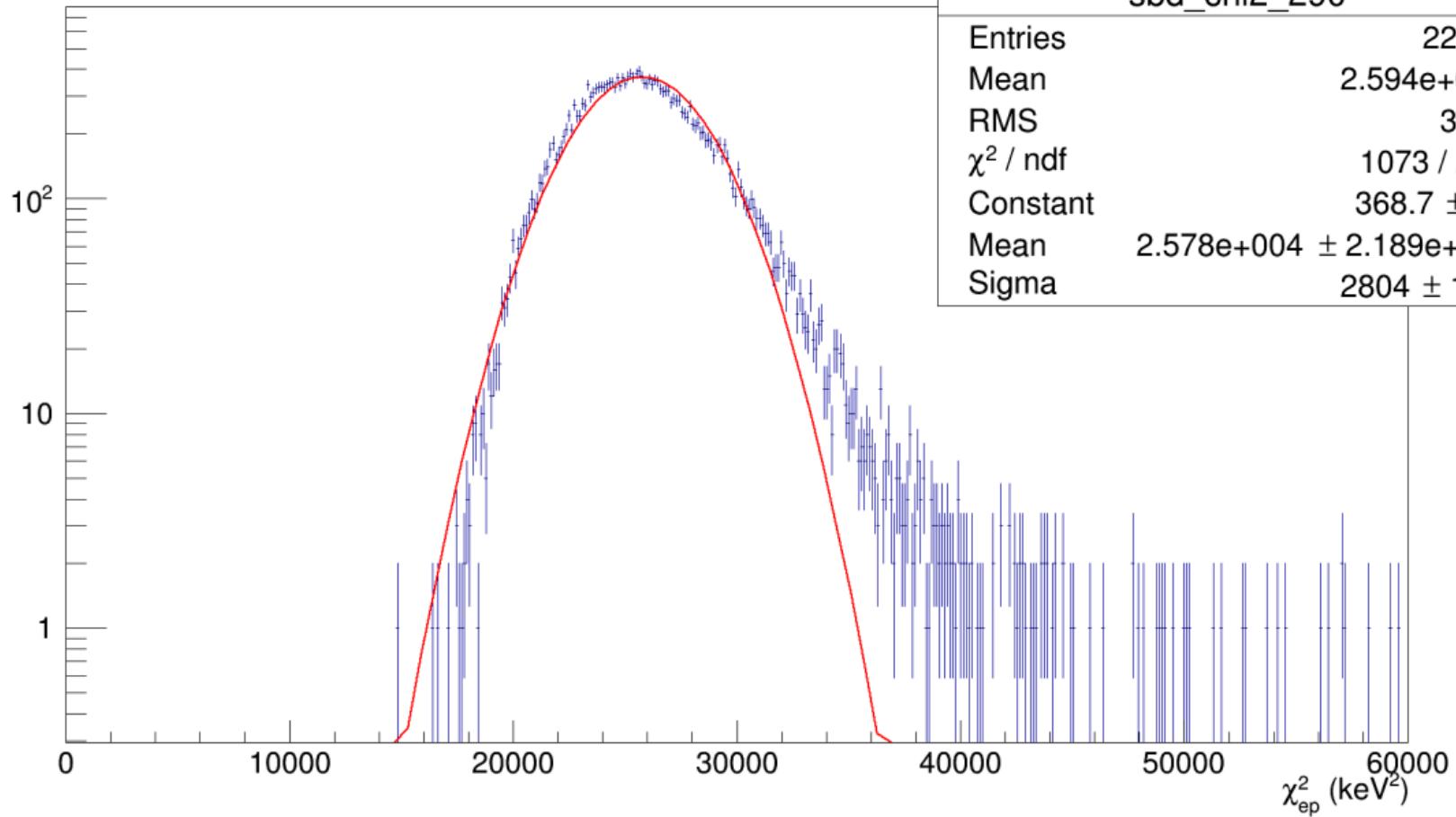
probability



sbd_chi2_289	
Entries	22850
Mean	2.592e+004
RMS	3307
χ^2 / ndf	953 / 236
Constant	370.3 ± 3.1
Mean	2.575e+004 ± 2.144e+001
Sigma	2832 ± 14.7

χ^2_{ep} from 290.00 keV to 291.00 keV

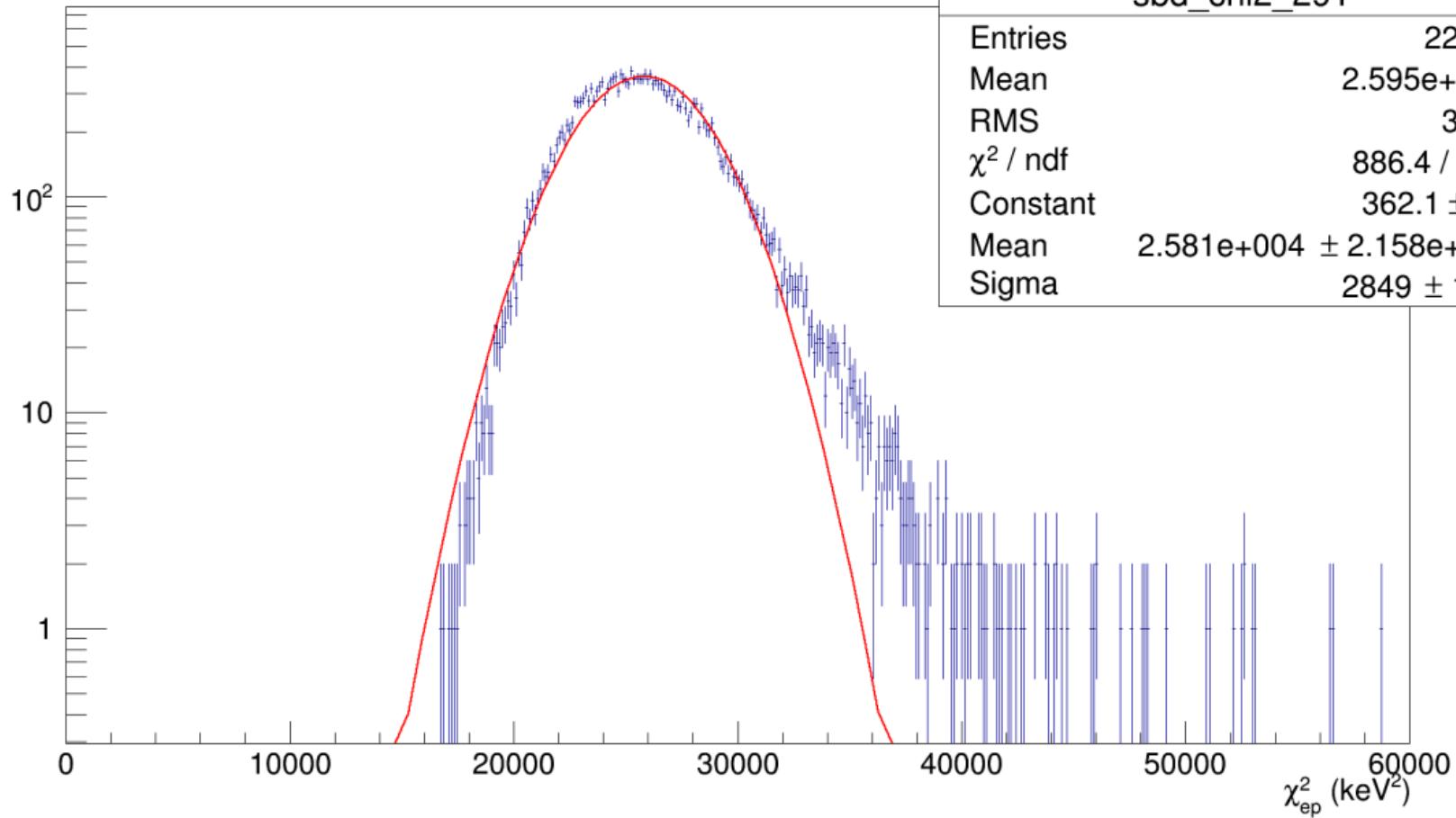
probability



sbd_chi2_290	
Entries	22665
Mean	2.594e+004
RMS	3354
χ^2 / ndf	1073 / 243
Constant	368.7 ± 3.1
Mean	2.578e+004 ± 2.189e+001
Sigma	2804 ± 14.5

χ^2_{ep} from 291.00 keV to 292.00 keV

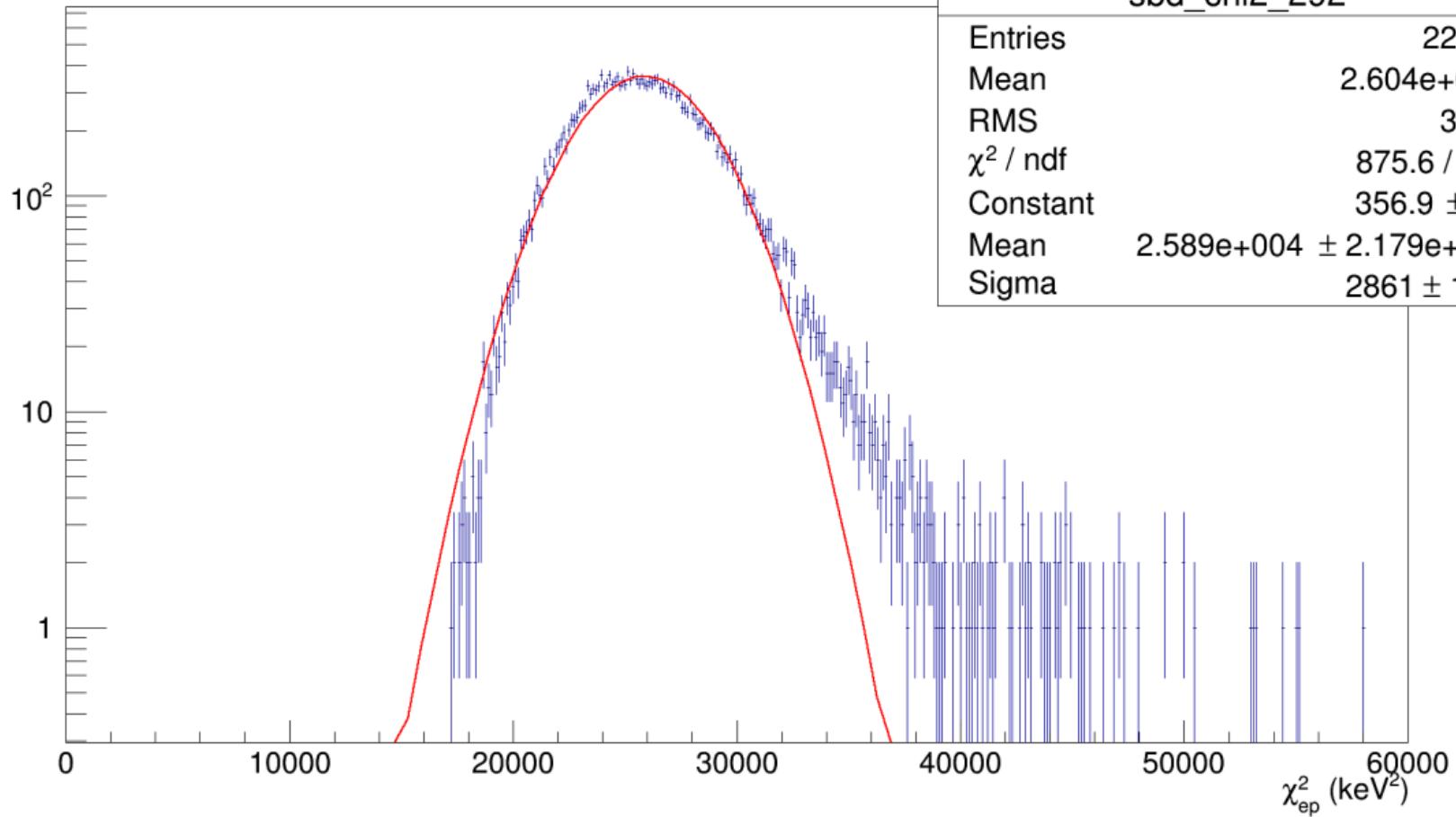
probability



sbd_chi2_291	
Entries	22433
Mean	2.595e+004
RMS	3262
χ^2 / ndf	886.4 / 226
Constant	362.1 ± 3.1
Mean	2.581e+004 ± 2.158e+001
Sigma	2849 ± 14.6

χ^2_{ep} from 292.00 keV to 293.00 keV

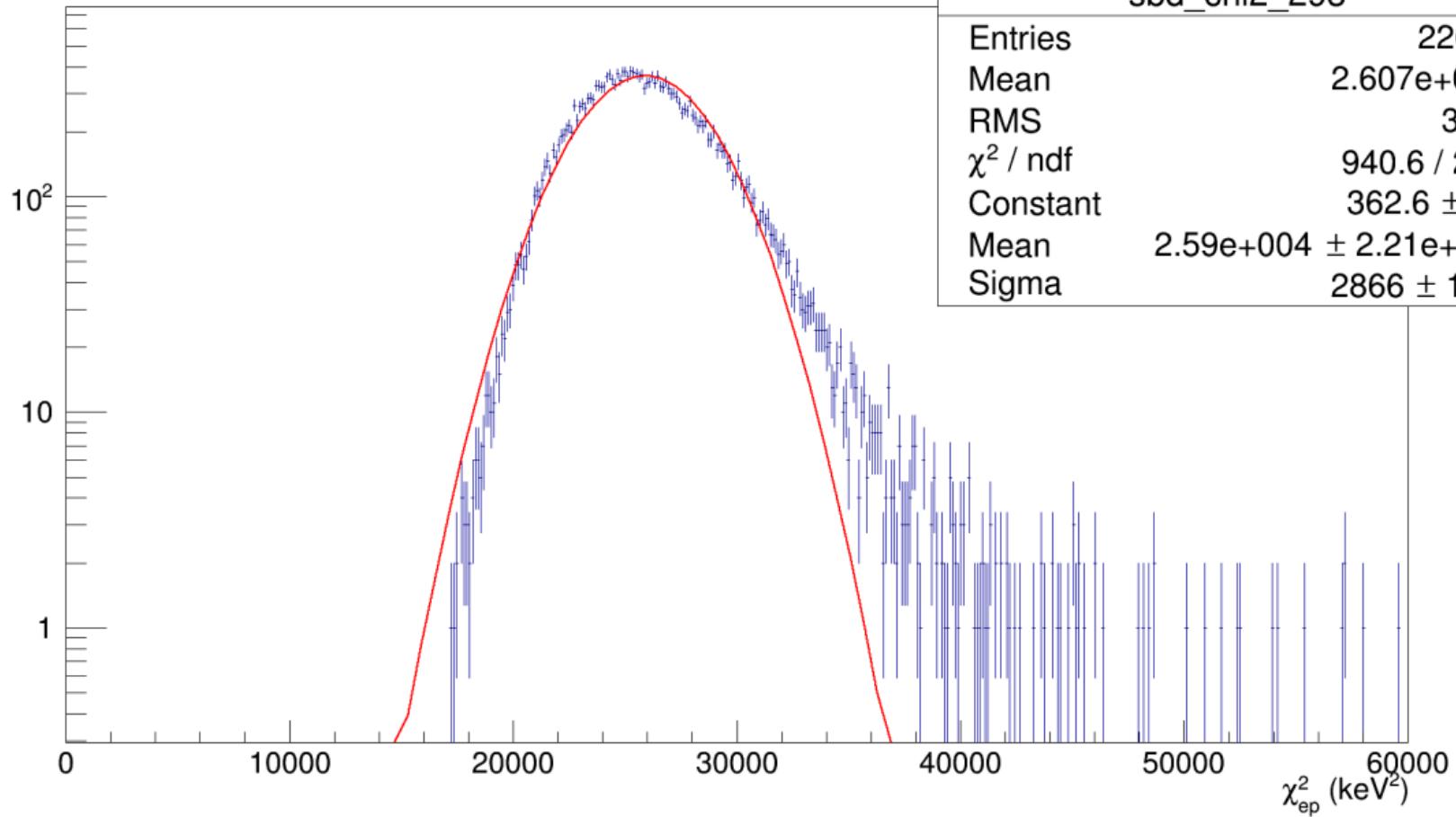
probability



sbd_chi2_292	
Entries	22198
Mean	2.604e+004
RMS	3299
χ^2 / ndf	875.6 / 231
Constant	356.9 ± 3.1
Mean	2.589e+004 ± 2.179e+001
Sigma	2861 ± 14.9

χ^2_{ep} from 293.00 keV to 294.00 keV

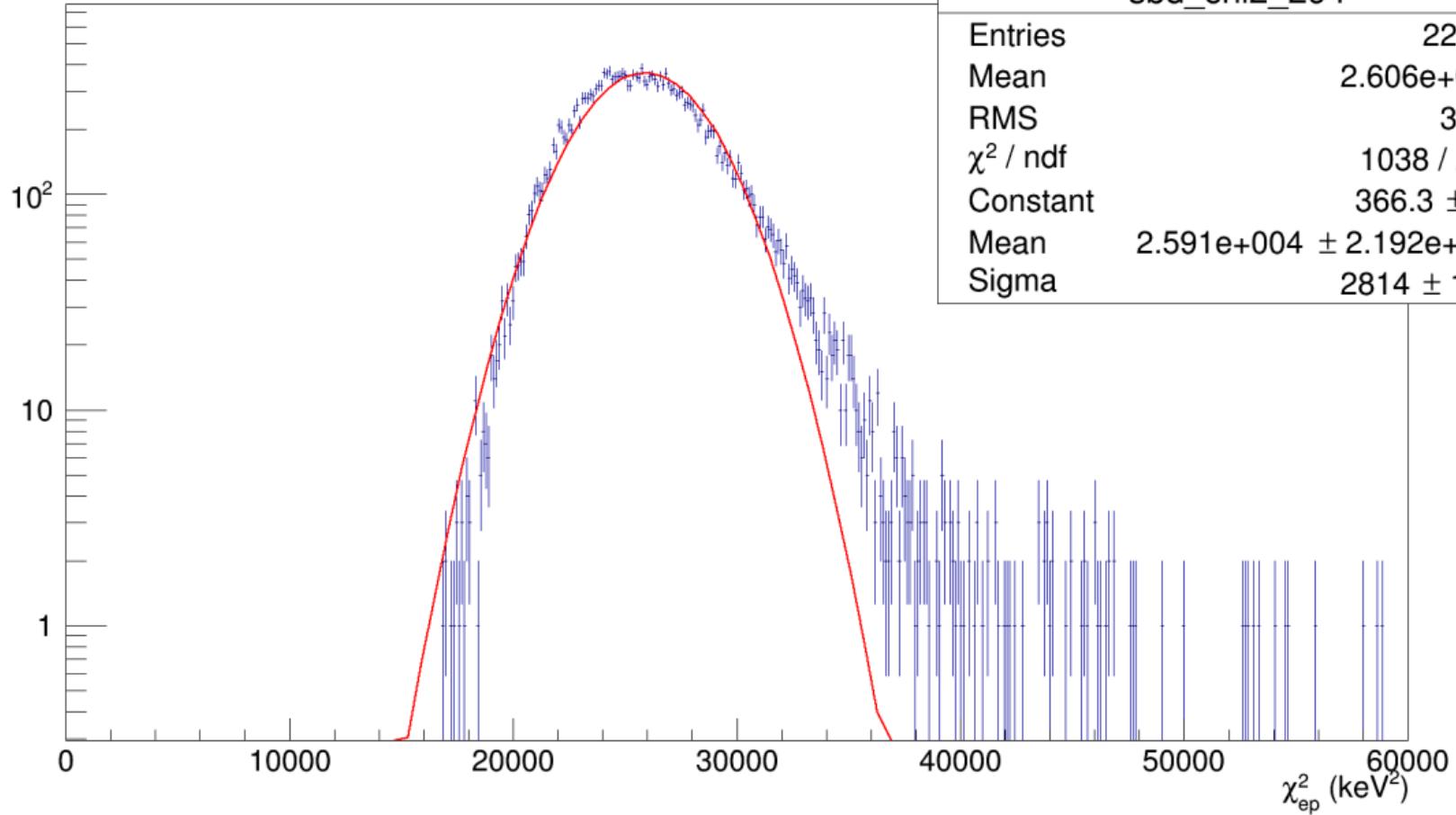
probability



sbd_chi2_293	
Entries	22634
Mean	2.607e+004
RMS	3311
χ^2 / ndf	940.6 / 228
Constant	362.6 ± 3.1
Mean	2.59e+004 ± 2.21e+001
Sigma	2866 ± 15.4

χ^2_{ep} from 294.00 keV to 295.00 keV

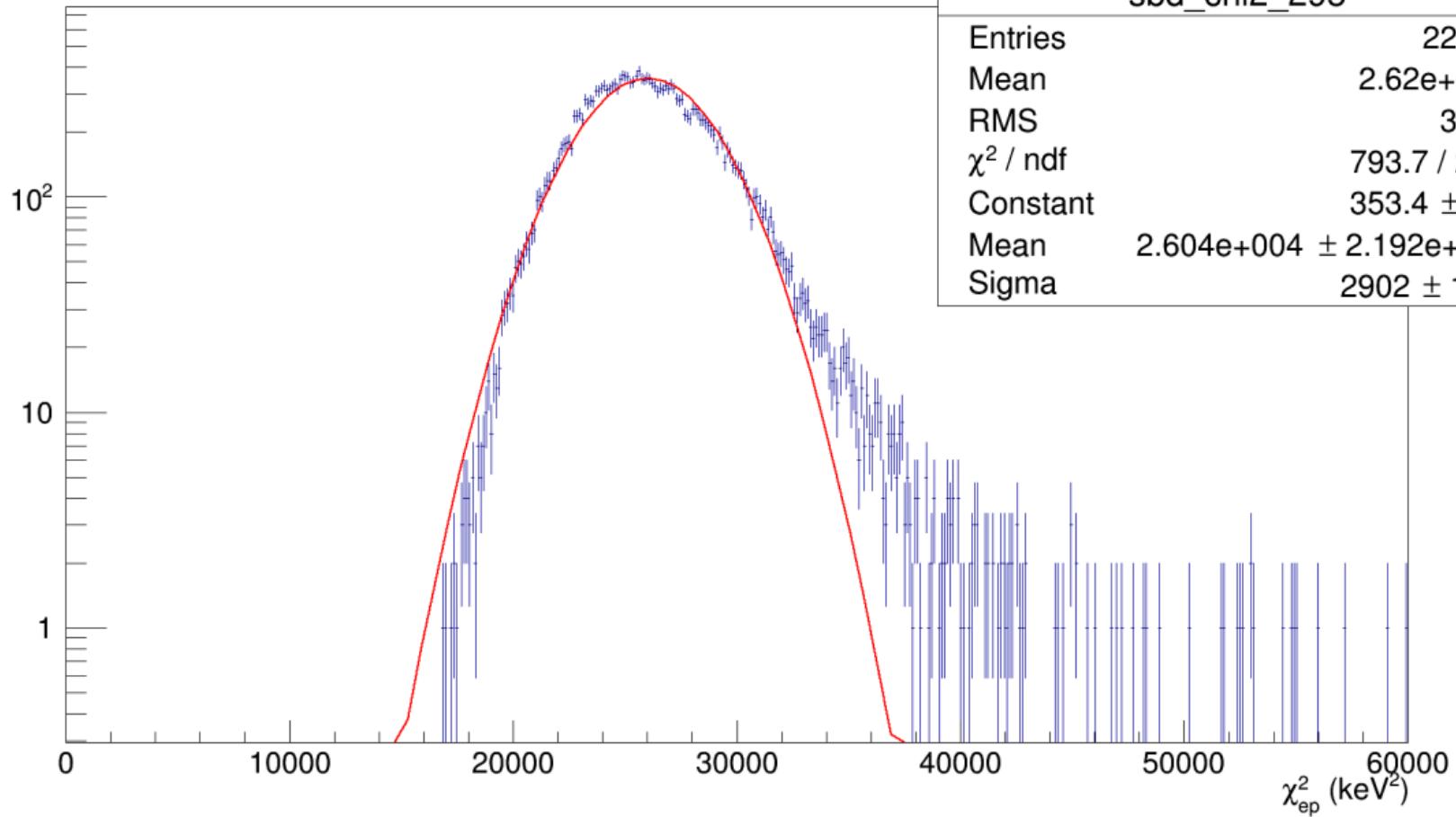
probability



sbd_chi2_294	
Entries	22563
Mean	2.606e+004
RMS	3304
χ^2 / ndf	1038 / 232
Constant	366.3 ± 3.1
Mean	2.591e+004 ± 2.192e+001
Sigma	2814 ± 14.5

χ^2_{ep} from 295.00 keV to 296.00 keV

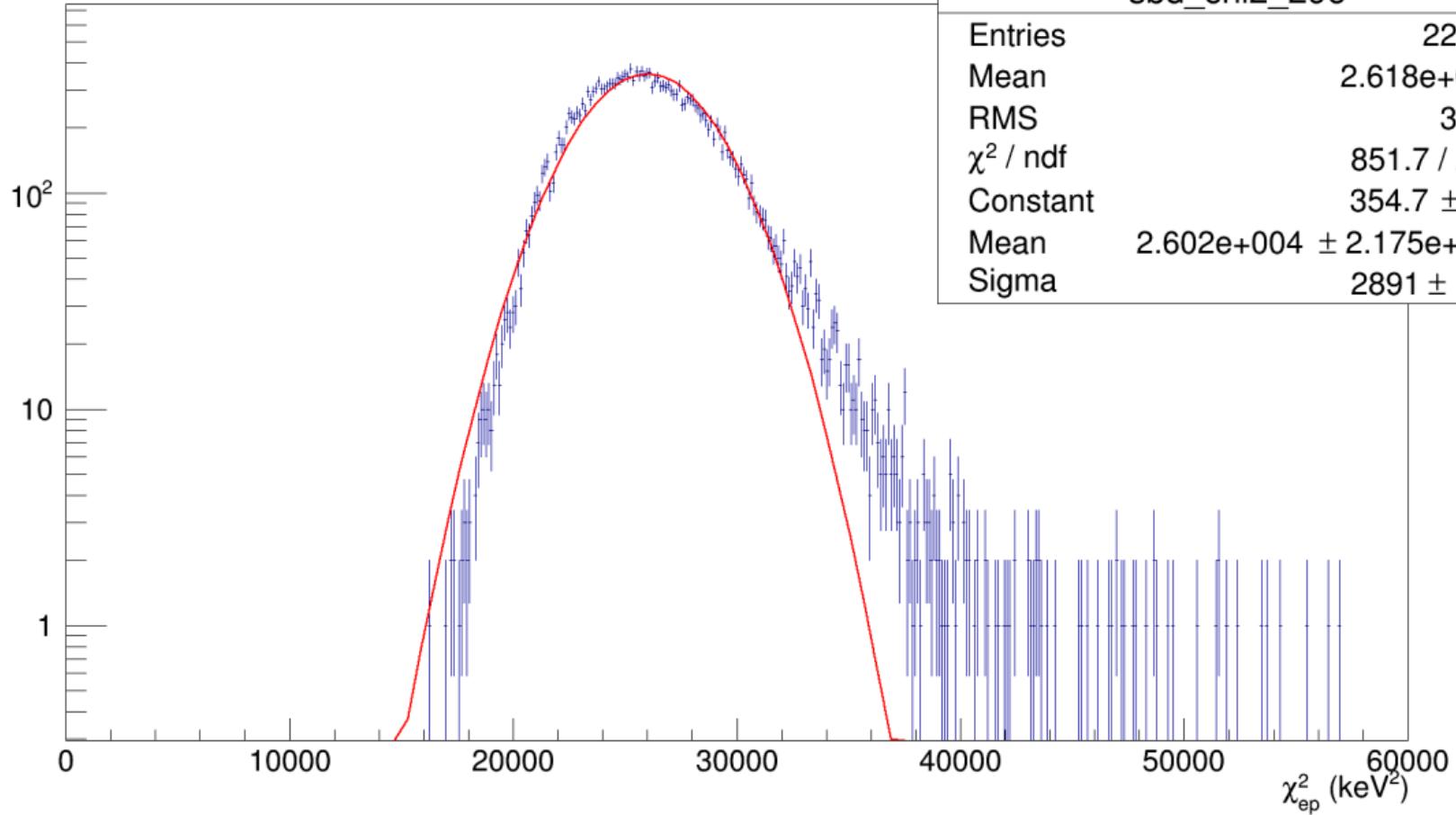
probability



sbd_chi2_295	
Entries	22229
Mean	2.62e+004
RMS	3343
χ^2 / ndf	793.7 / 234
Constant	353.4 ± 3.0
Mean	2.604e+004 ± 2.192e+001
Sigma	2902 ± 15.2

χ^2_{ep} from 296.00 keV to 297.00 keV

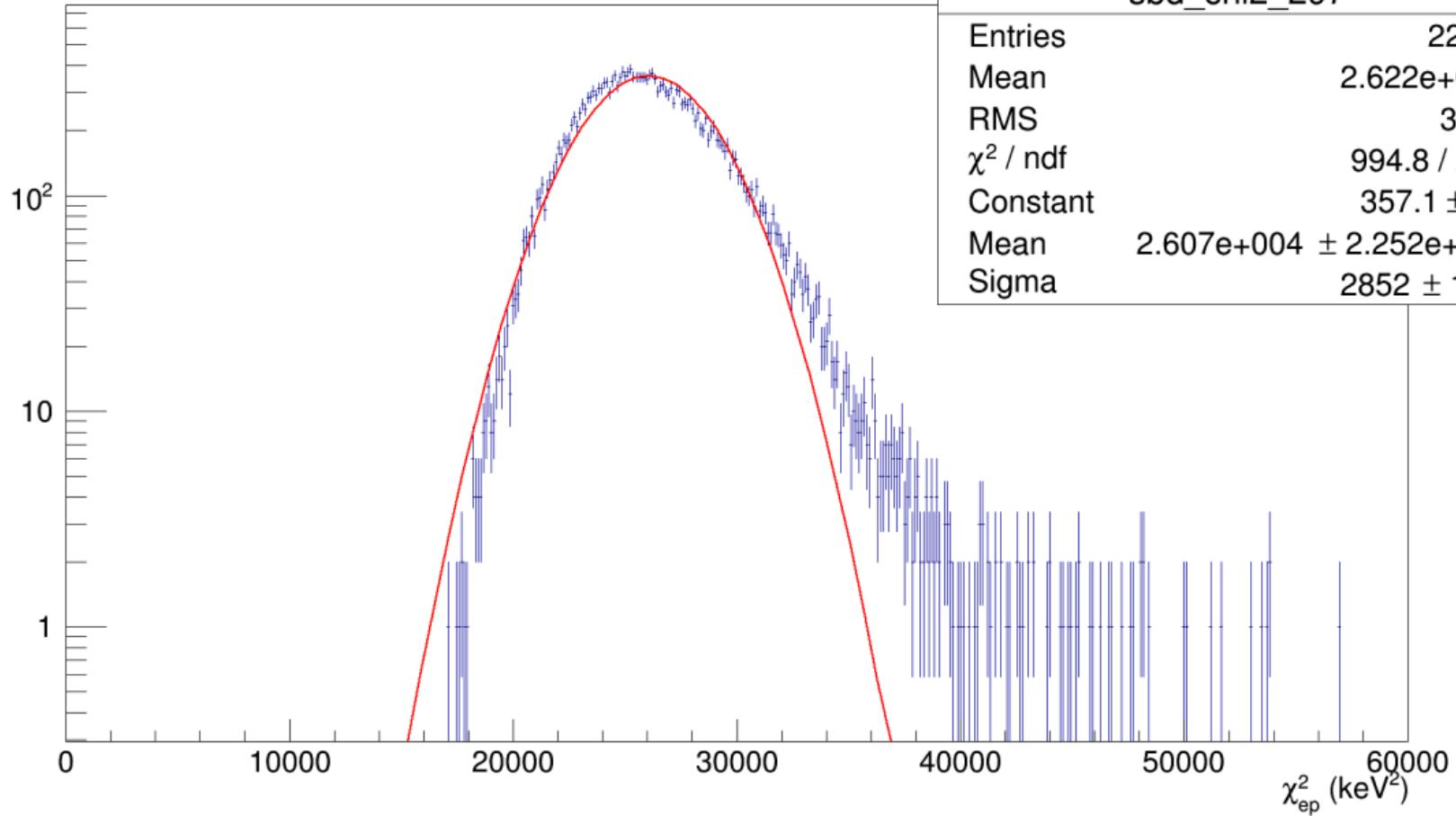
probability



sbd_chi2_296	
Entries	22260
Mean	2.618e+004
RMS	3319
χ^2 / ndf	851.7 / 235
Constant	354.7 ± 3.0
Mean	2.602e+004 ± 2.175e+001
Sigma	2891 ± 15.1

χ^2_{ep} from 297.00 keV to 298.00 keV

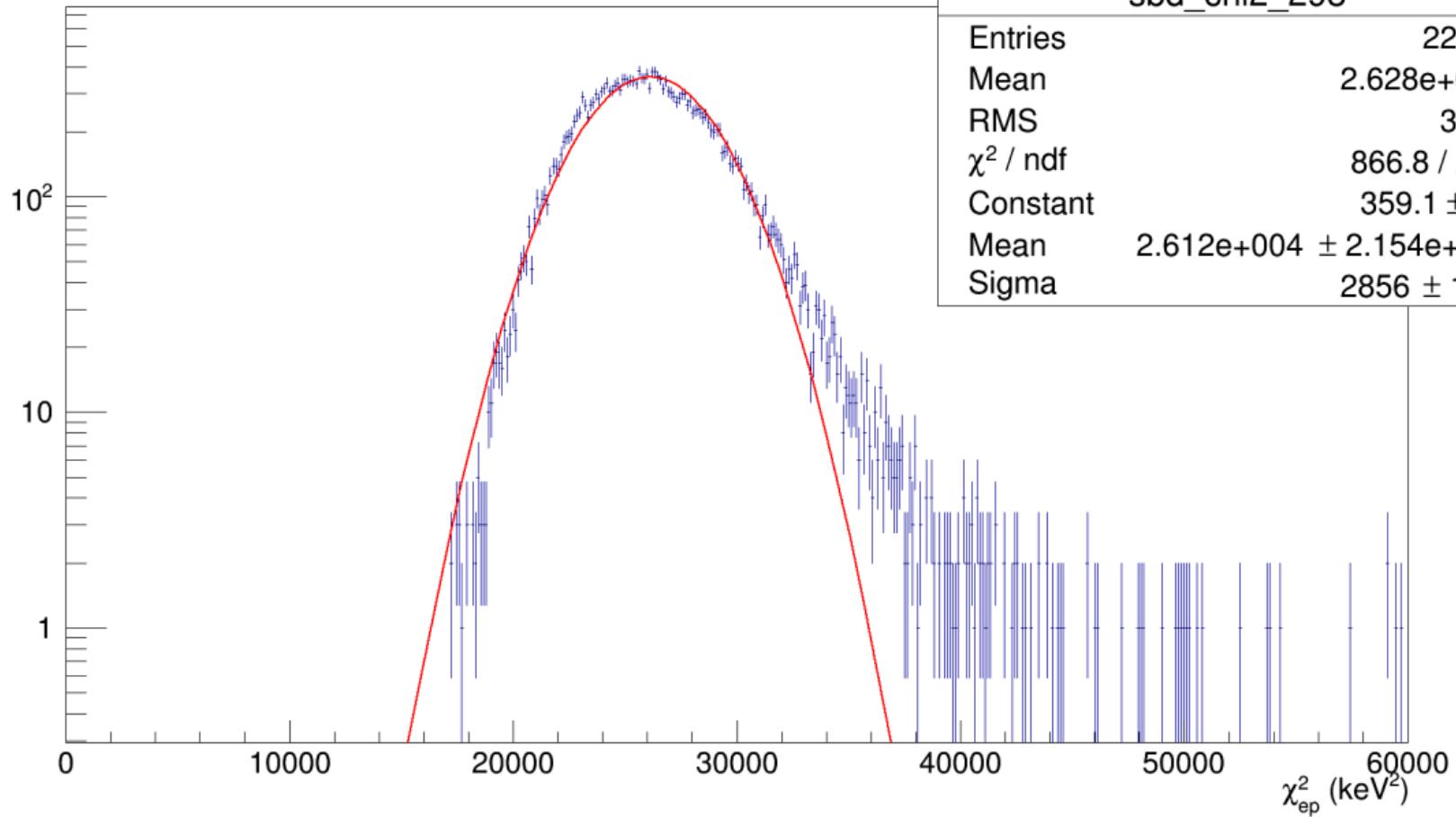
probability



sbd_chi2_297	
Entries	22261
Mean	2.622e+004
RMS	3282
χ^2 / ndf	994.8 / 229
Constant	357.1 ± 3.1
Mean	2.607e+004 ± 2.252e+001
Sigma	2852 ± 15.3

χ^2_{ep} from 298.00 keV to 299.00 keV

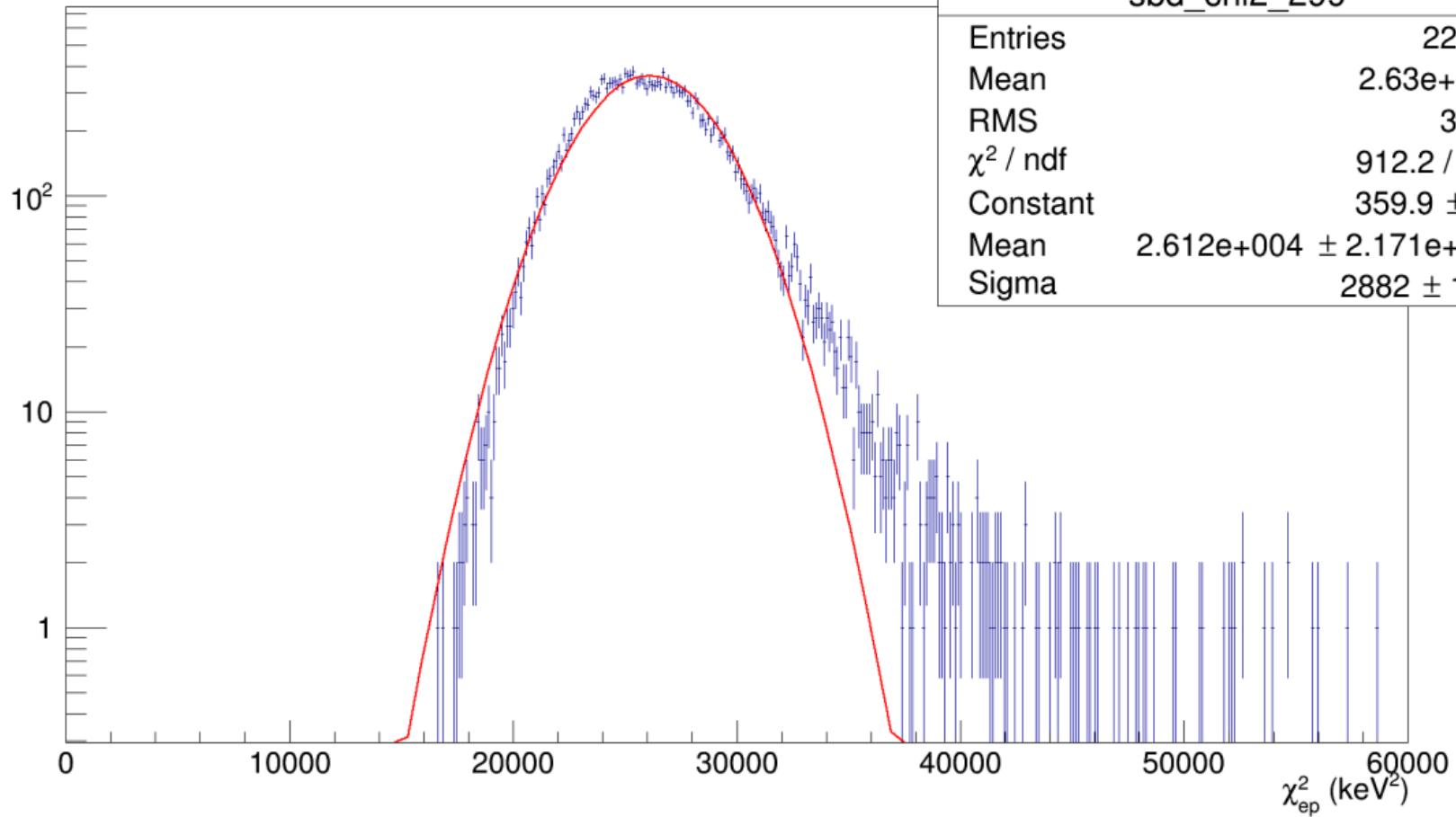
probability



sbd_chi2_298	
Entries	22276
Mean	2.628e+004
RMS	3297
χ^2 / ndf	866.8 / 229
Constant	359.1 ± 3.1
Mean	2.612e+004 ± 2.154e+001
Sigma	2856 ± 14.9

χ^2_{ep} from 299.00 keV to 300.00 keV

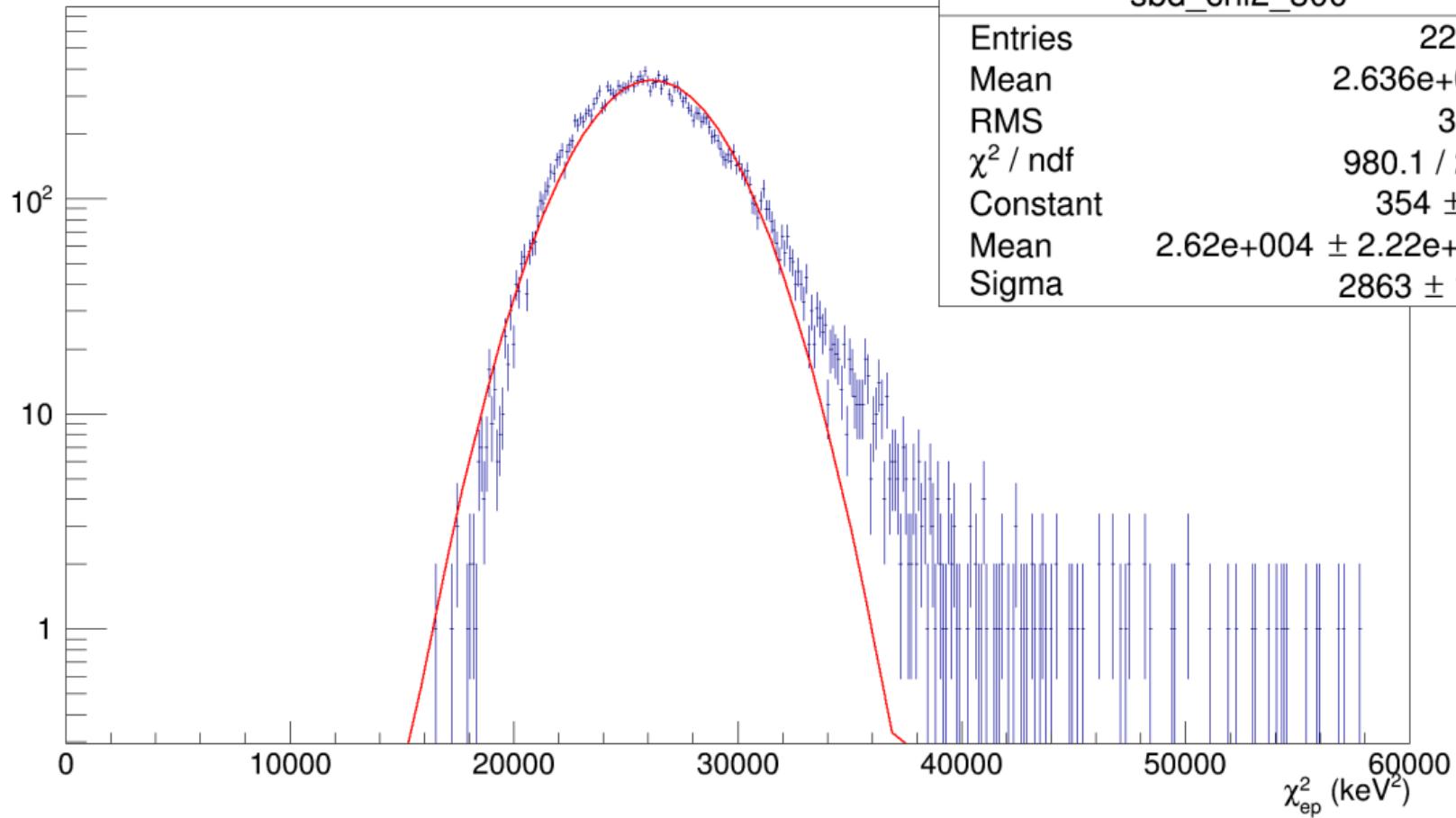
probability



sbd_chi2_299	
Entries	22570
Mean	2.63e+004
RMS	3342
χ^2 / ndf	912.2 / 241
Constant	359.9 ± 3.1
Mean	2.612e+004 ± 2.171e+001
Sigma	2882 ± 15.0

χ^2_{ep} from 300.00 keV to 301.00 keV

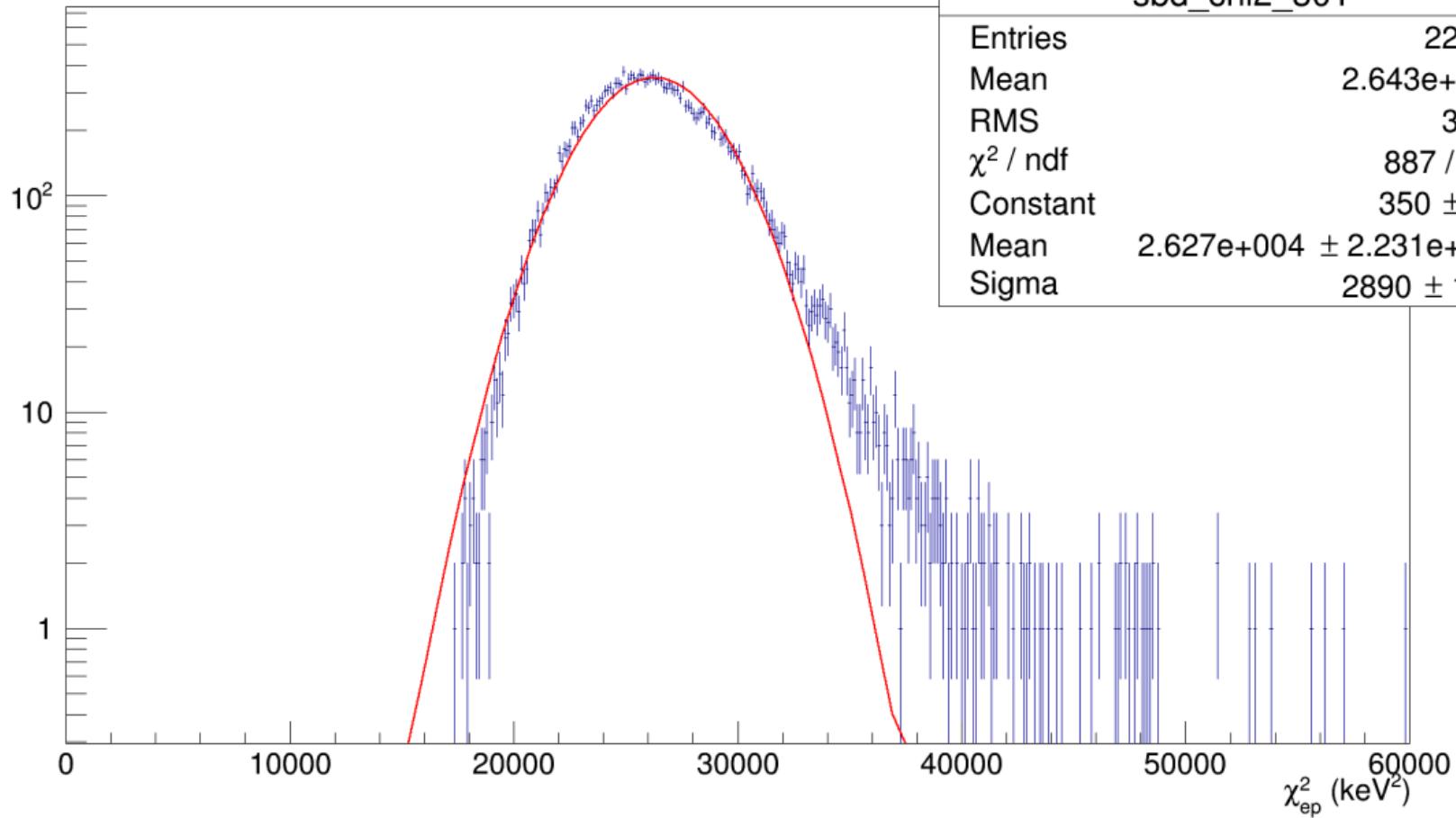
probability



sbd_chi2_300	
Entries	22143
Mean	2.636e+004
RMS	3353
χ^2 / ndf	980.1 / 238
Constant	354 ± 3.1
Mean	2.62e+004 ± 2.22e+001
Sigma	2863 ± 15.1

χ^2_{ep} from 301.00 keV to 302.00 keV

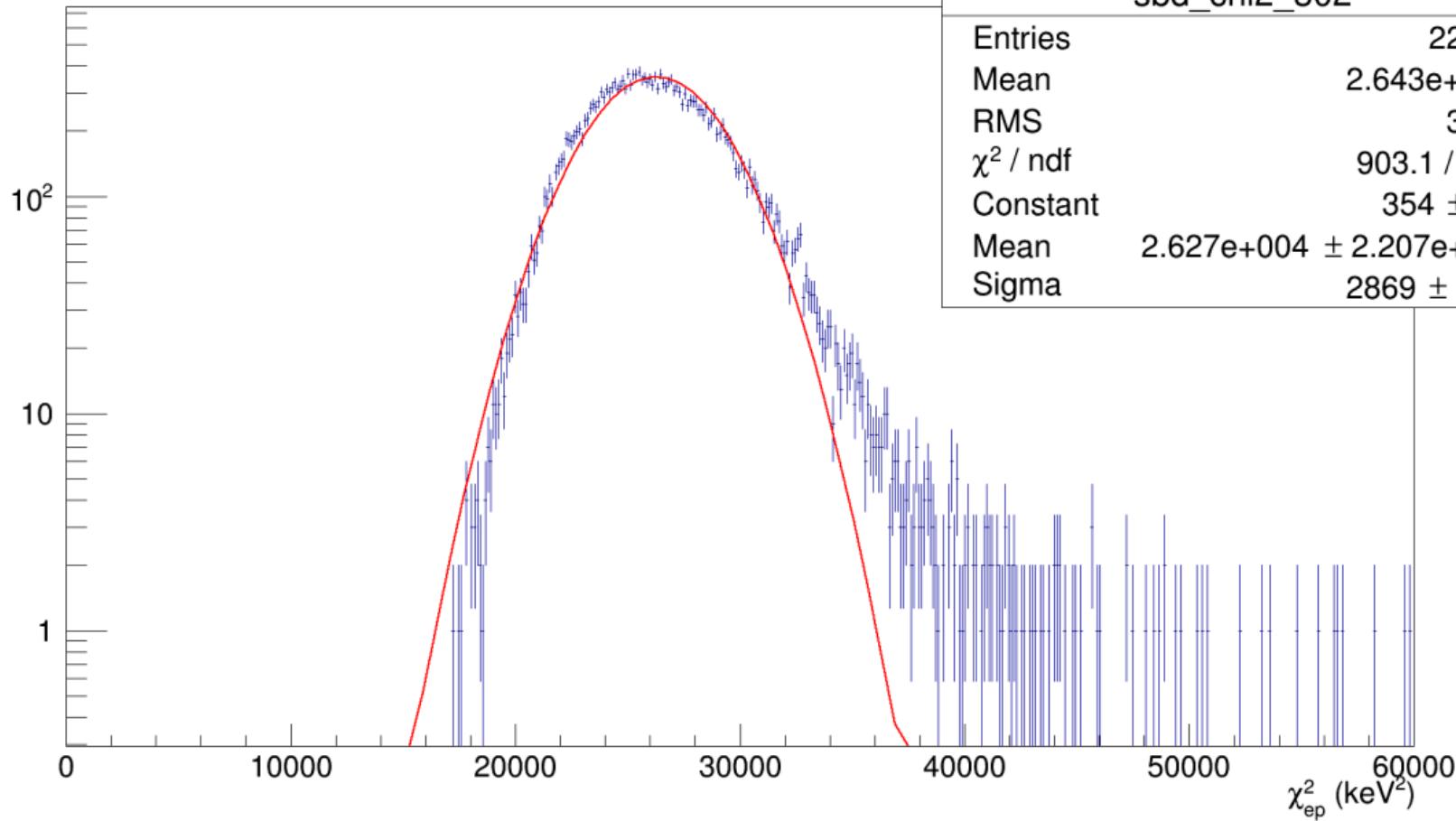
probability



sbd_chi2_301	
Entries	22007
Mean	2.643e+004
RMS	3336
χ^2 / ndf	887 / 231
Constant	350 ± 3.0
Mean	2.627e+004 ± 2.231e+001
Sigma	2890 ± 15.3

χ^2_{ep} from 302.00 keV to 303.00 keV

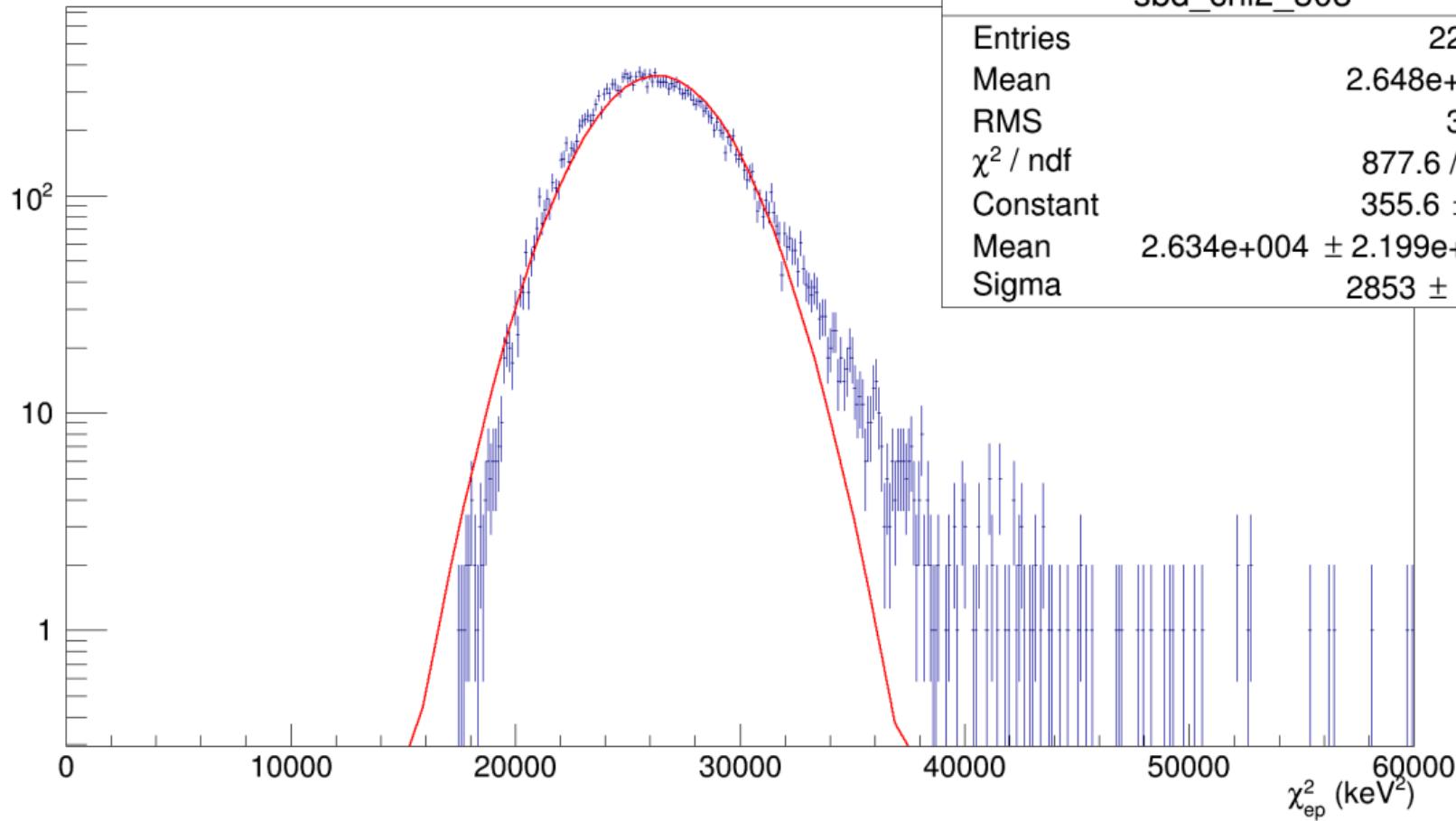
probability



sbd_chi2_302	
Entries	22110
Mean	2.643e+004
RMS	3336
χ^2 / ndf	903.1 / 239
Constant	354 ± 3.0
Mean	2.627e+004 ± 2.207e+001
Sigma	2869 ± 15.0

χ^2_{ep} from 303.00 keV to 304.00 keV

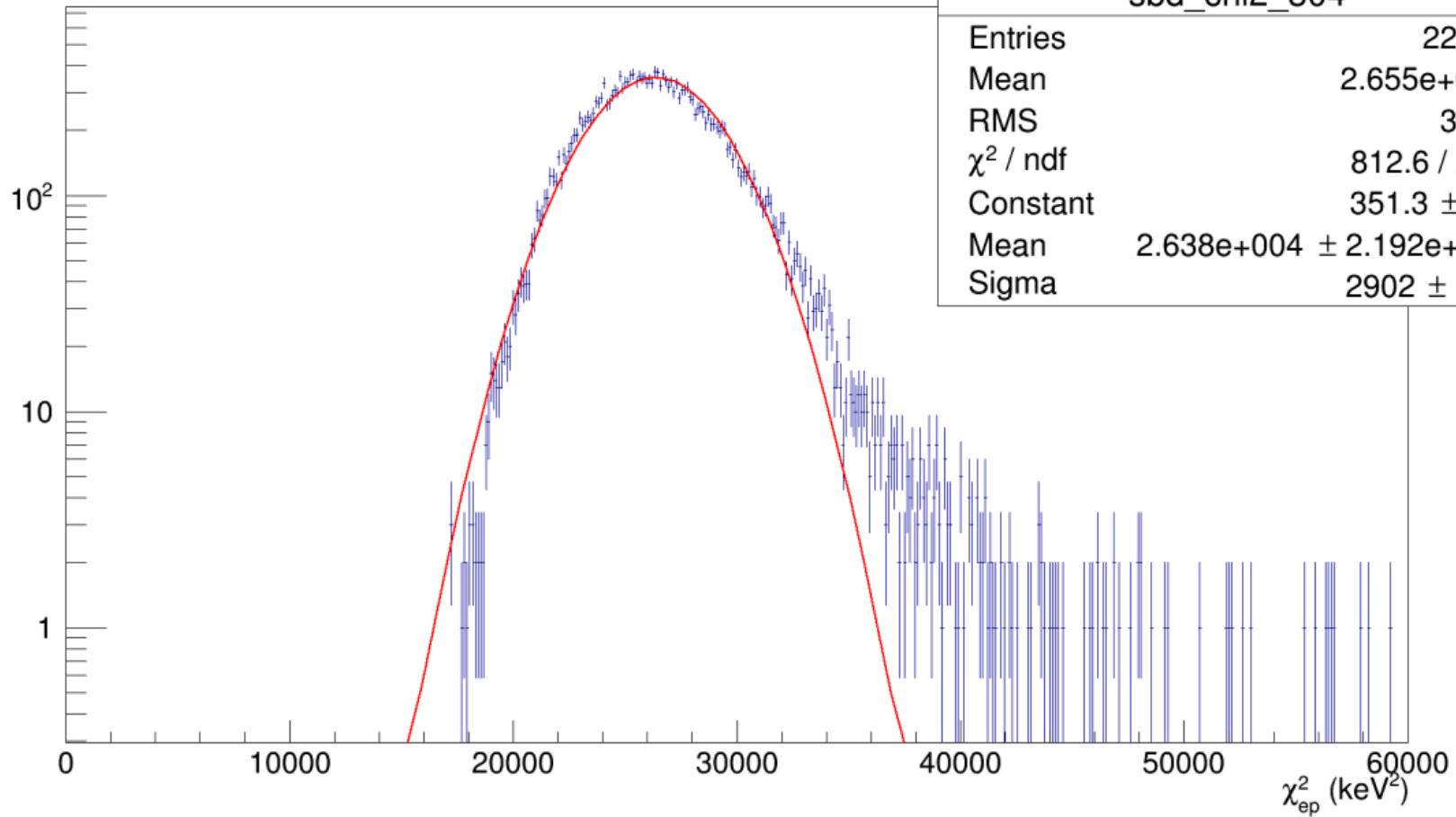
probability



sbd_chi2_303	
Entries	22074
Mean	2.648e+004
RMS	3306
χ^2 / ndf	877.6 / 231
Constant	355.6 ± 3.1
Mean	2.634e+004 ± 2.199e+001
Sigma	2853 ± 14.7

χ^2_{ep} from 304.00 keV to 305.00 keV

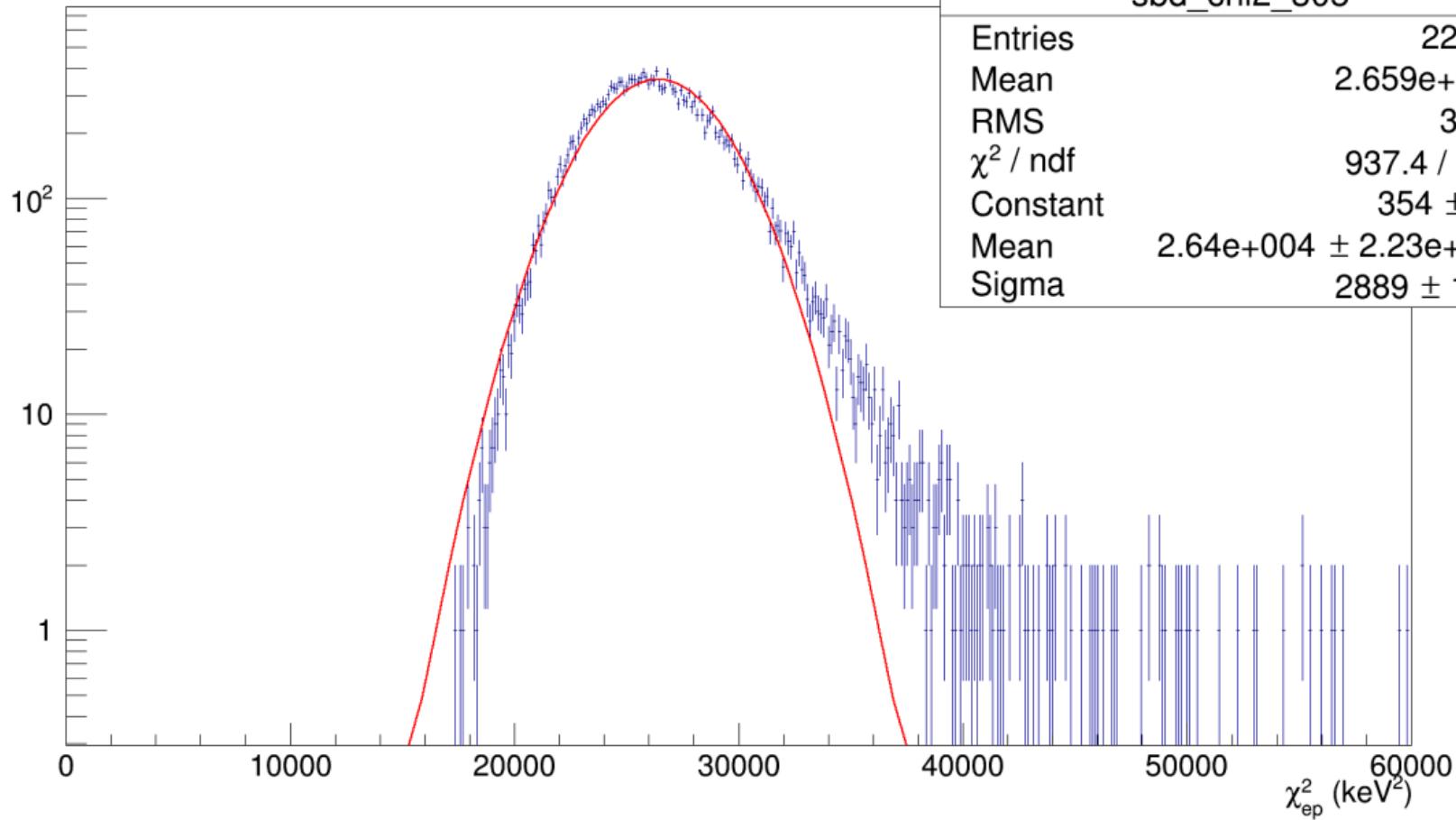
probability



sbd_chi2_304	
Entries	22096
Mean	2.655e+004
RMS	3365
χ^2 / ndf	812.6 / 239
Constant	351.3 ± 3.0
Mean	2.638e+004 ± 2.192e+001
Sigma	2902 ± 15.1

χ^2_{ep} from 305.00 keV to 306.00 keV

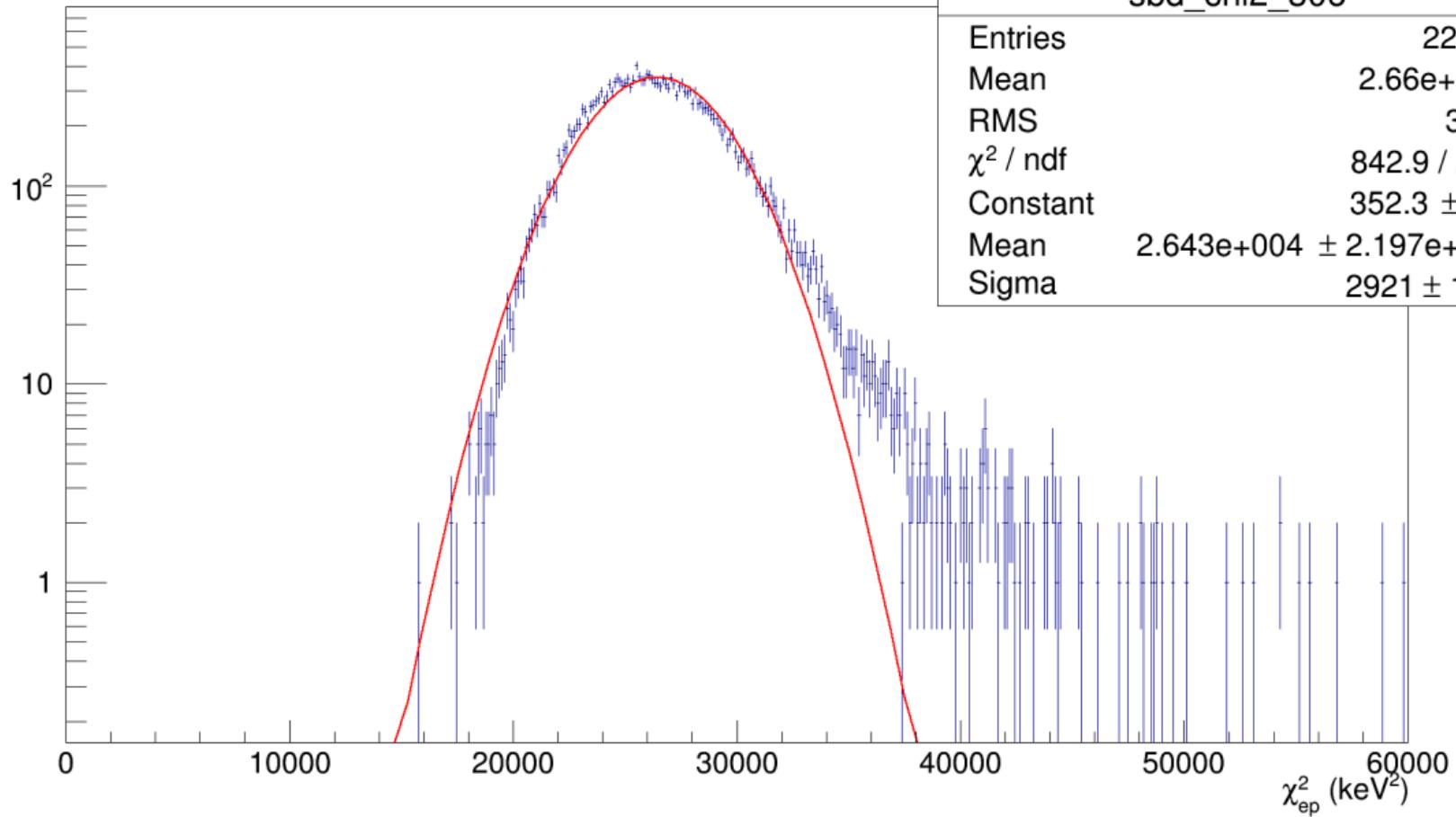
probability



sbd_chi2_305	
Entries	22293
Mean	2.659e+004
RMS	3379
χ^2 / ndf	937.4 / 244
Constant	354 ± 3.1
Mean	2.64e+004 ± 2.23e+001
Sigma	2889 ± 15.3

χ^2_{ep} from 306.00 keV to 307.00 keV

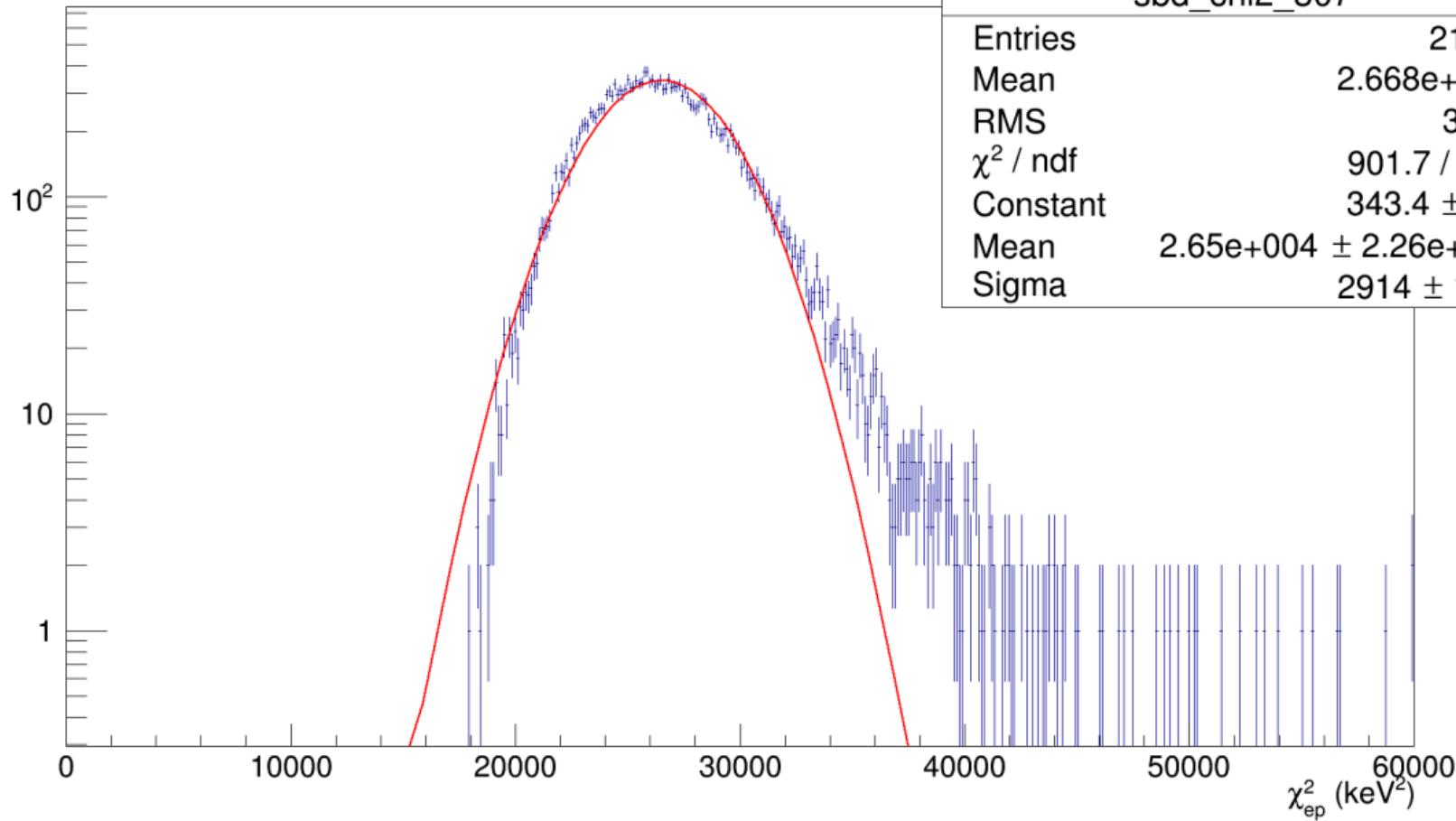
probability



sbd_chi2_306	
Entries	22315
Mean	2.66e+004
RMS	3351
χ^2 / ndf	842.9 / 226
Constant	352.3 ± 3.0
Mean	2.643e+004 ± 2.197e+001
Sigma	2921 ± 15.7

χ^2_{ep} from 307.00 keV to 308.00 keV

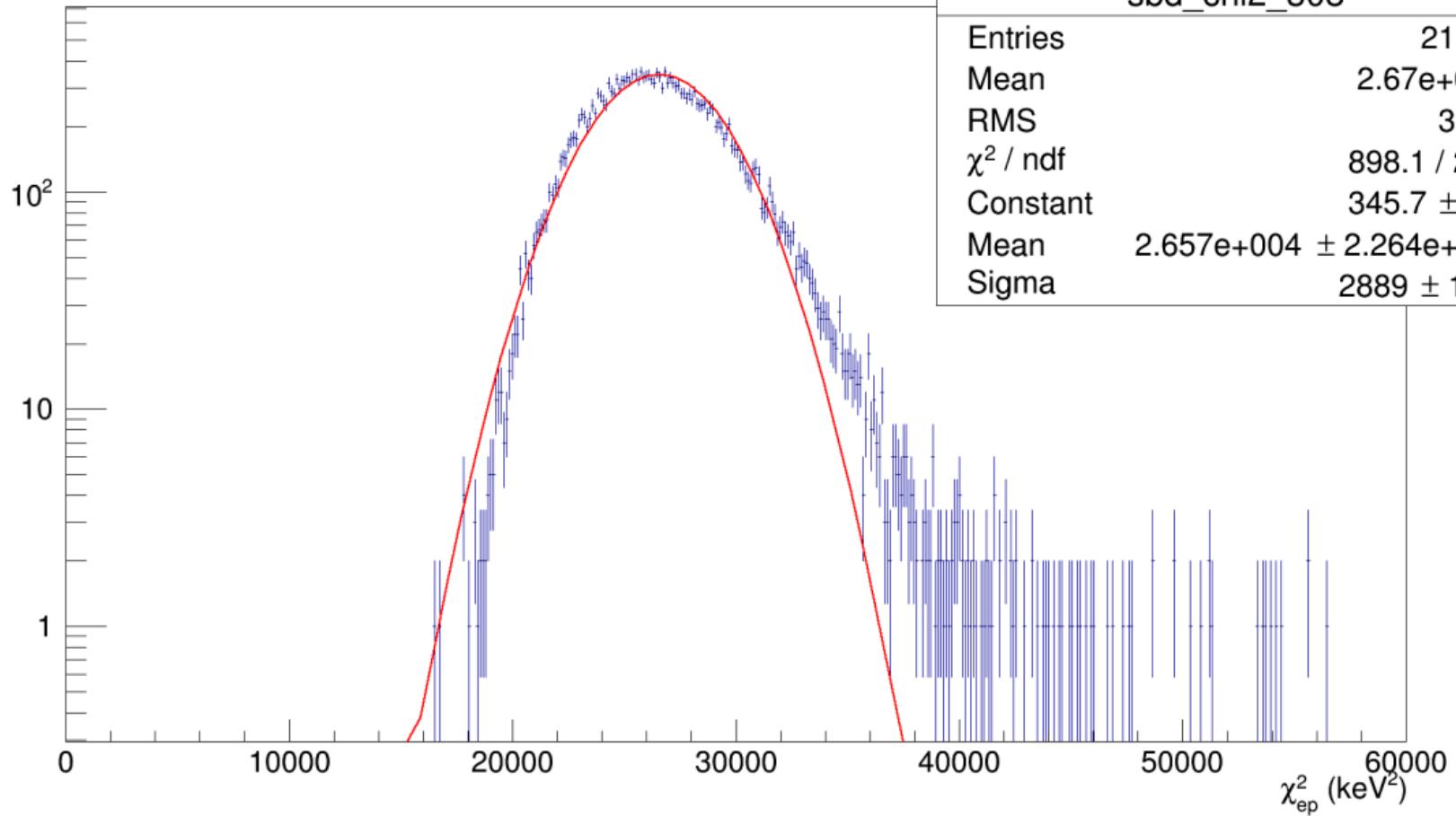
probability



sbd_chi2_307	
Entries	21771
Mean	2.668e+004
RMS	3360
χ^2 / ndf	901.7 / 228
Constant	343.4 ± 3.0
Mean	2.65e+004 ± 2.26e+001
Sigma	2914 ± 15.9

χ^2_{ep} from 308.00 keV to 309.00 keV

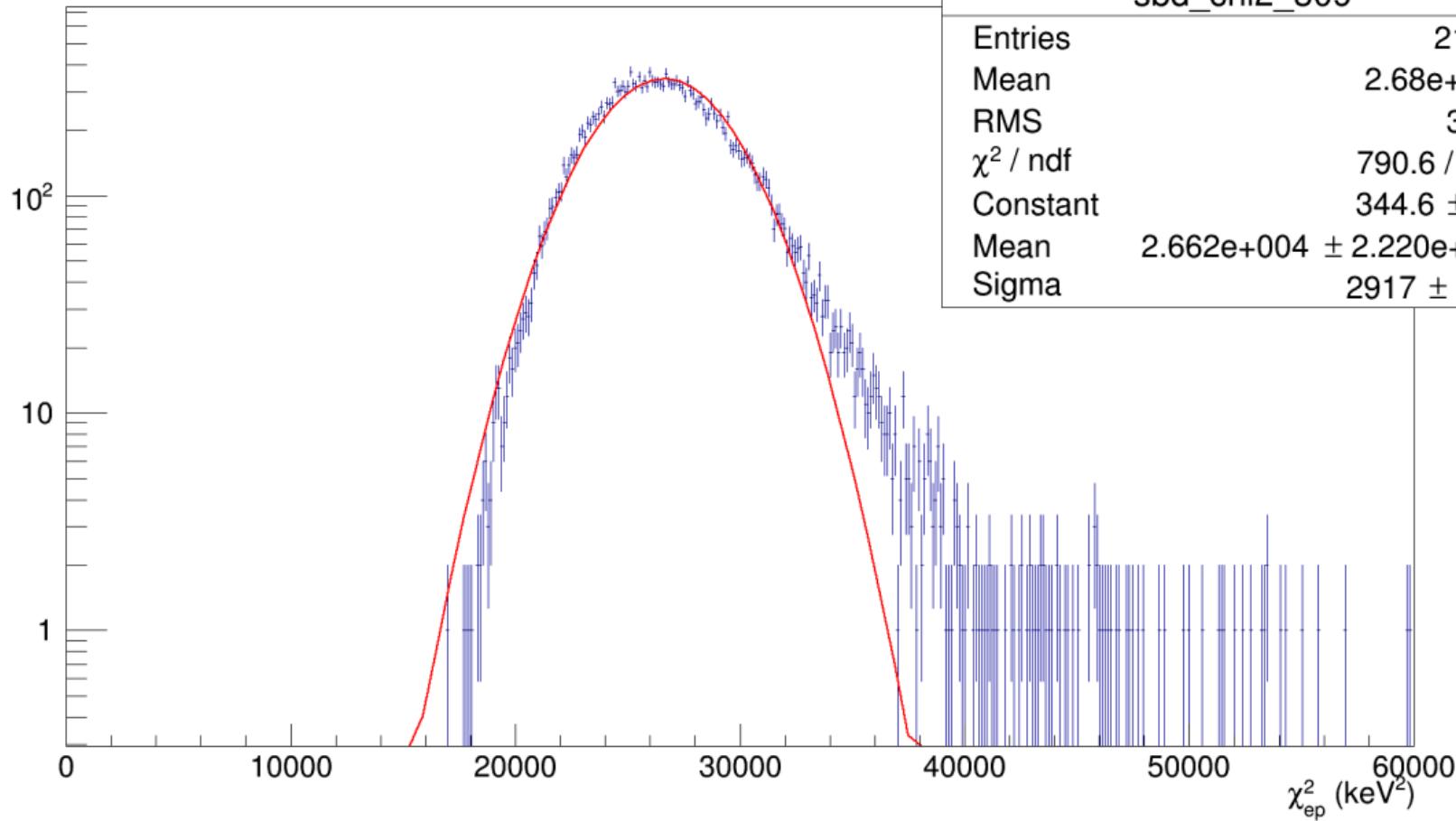
probability



sbd_chi2_308	
Entries	21752
Mean	2.67e+004
RMS	3313
χ^2 / ndf	898.1 / 234
Constant	345.7 ± 3.0
Mean	2.657e+004 ± 2.264e+001
Sigma	2889 ± 15.3

χ^2_{ep} from 309.00 keV to 310.00 keV

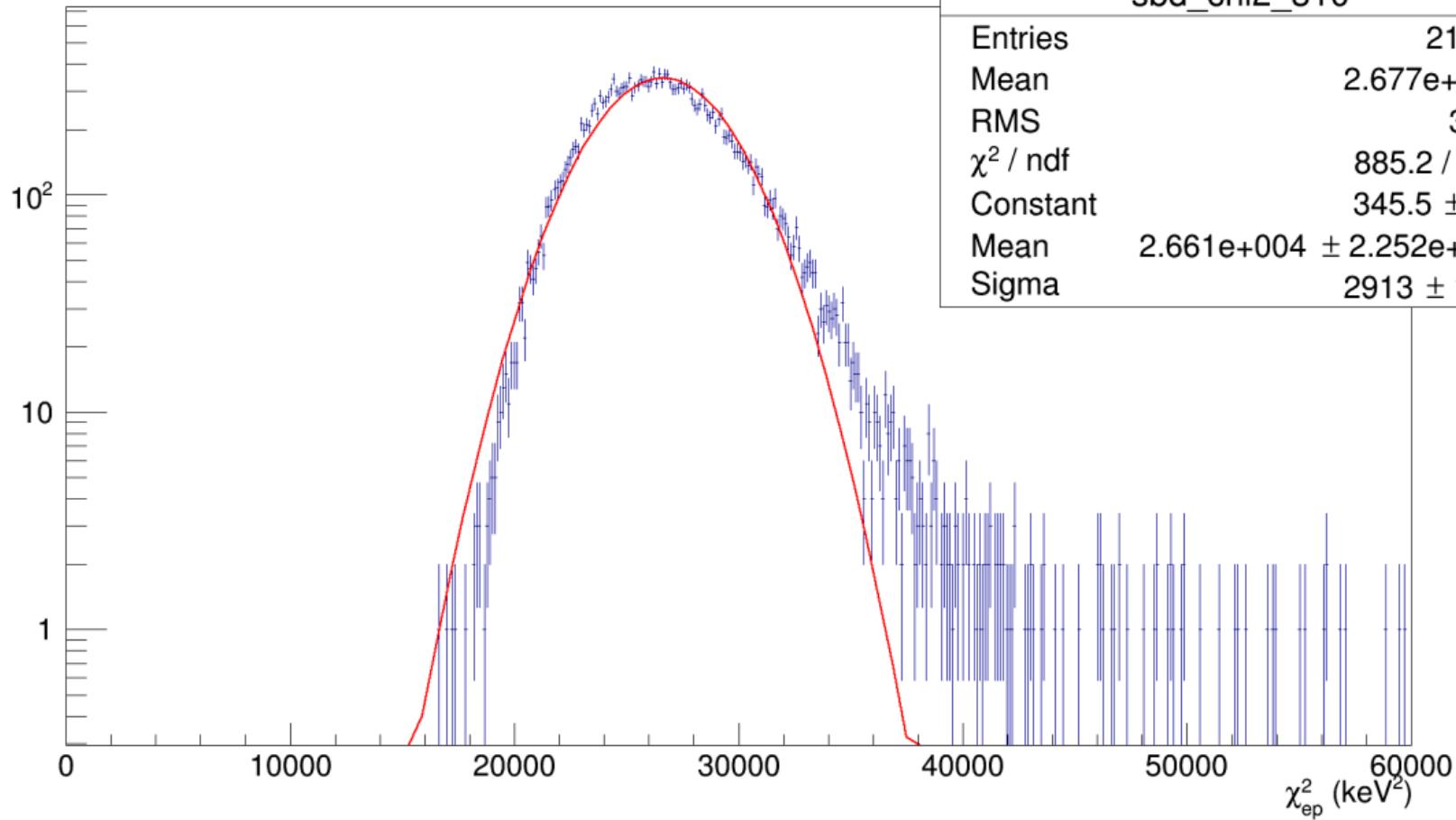
probability



sbd_chi2_309	
Entries	21781
Mean	2.68e+004
RMS	3386
χ^2 / ndf	790.6 / 252
Constant	344.6 ± 3.0
Mean	2.662e+004 ± 2.220e+001
Sigma	2917 ± 15.4

χ^2_{ep} from 310.00 keV to 311.00 keV

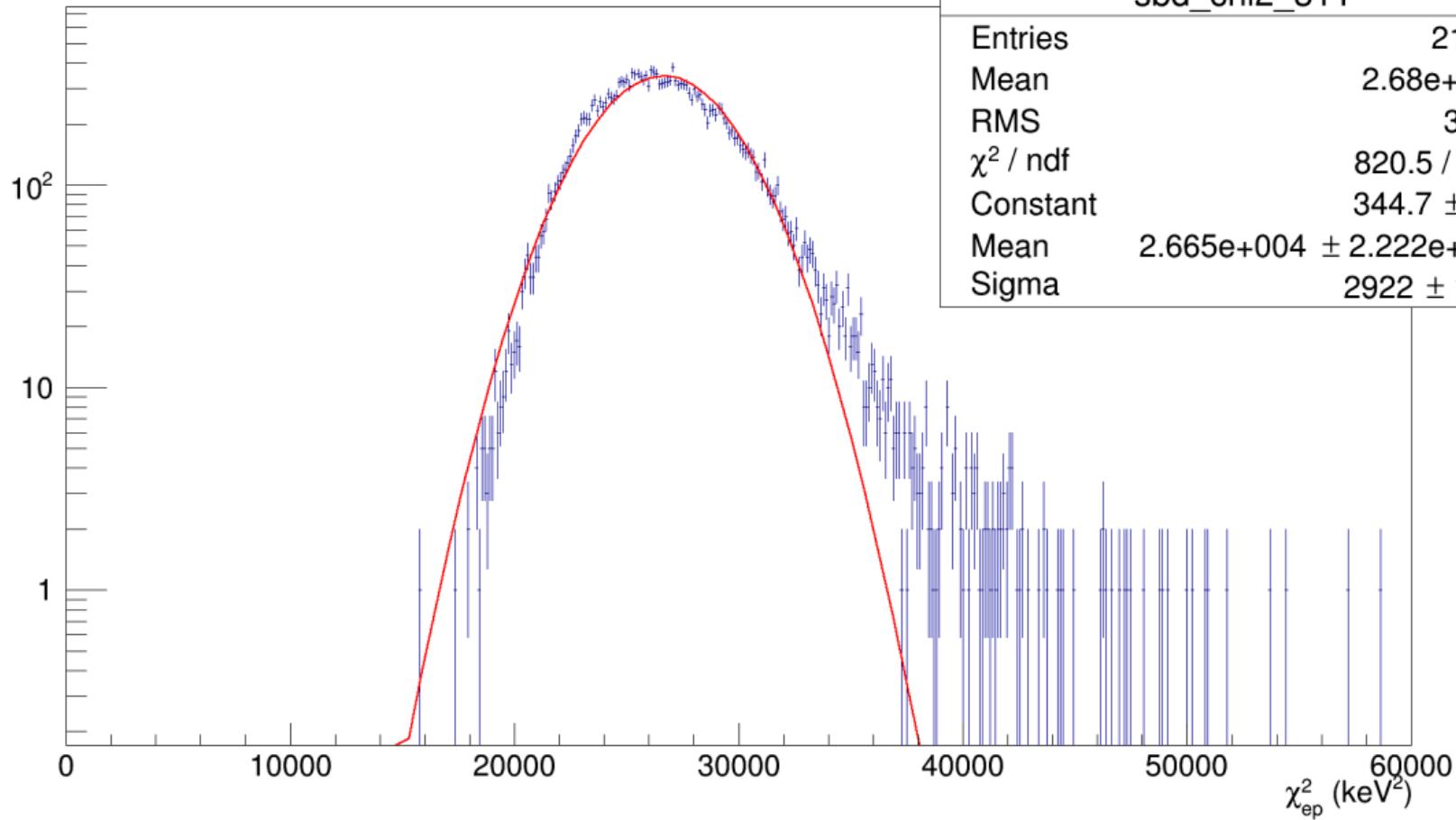
probability



sbd_chi2_310	
Entries	21899
Mean	2.677e+004
RMS	3381
χ^2 / ndf	885.2 / 240
Constant	345.5 ± 3.0
Mean	2.661e+004 ± 2.252e+001
Sigma	2913 ± 15.4

χ^2_{ep} from 311.00 keV to 312.00 keV

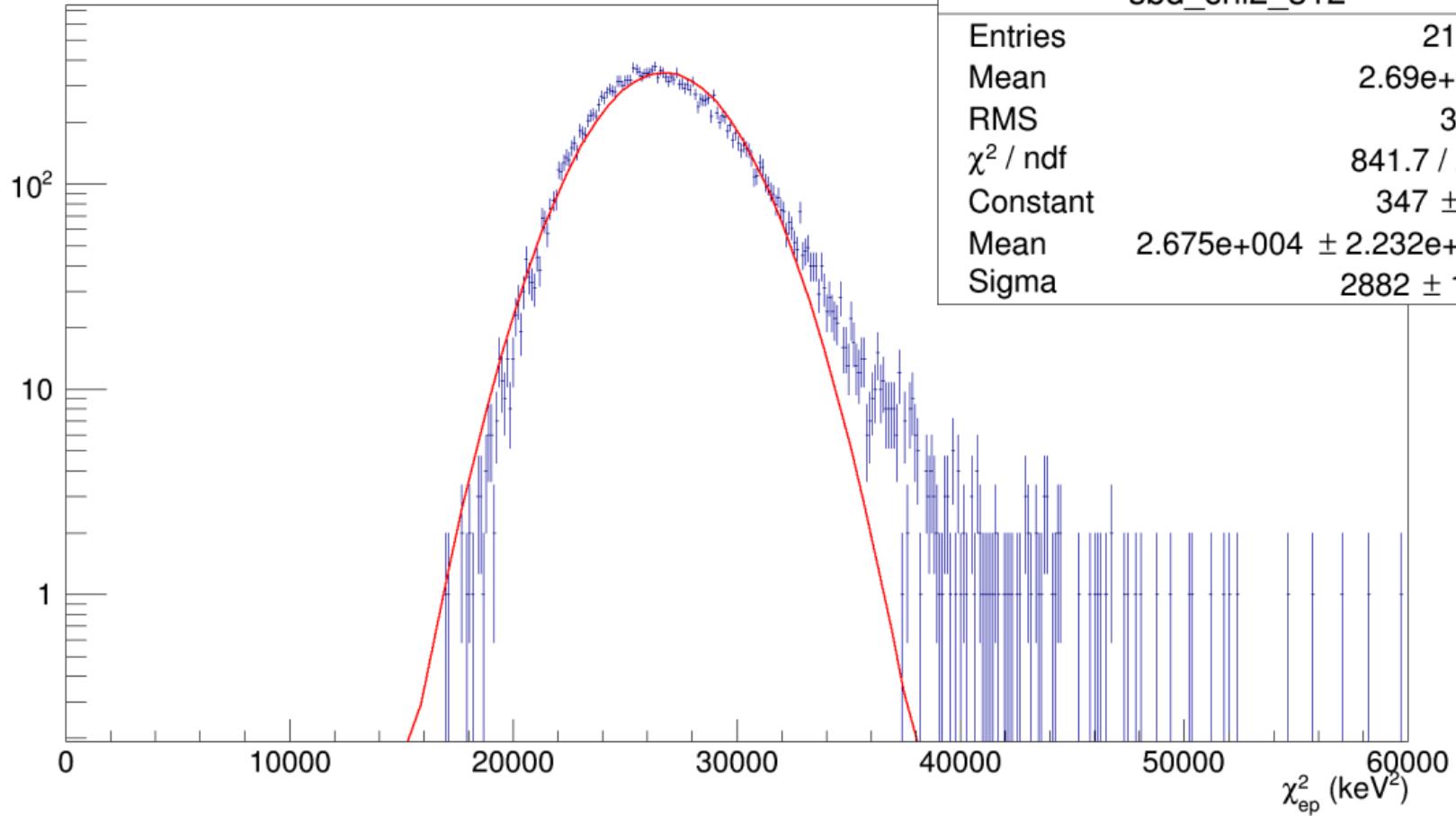
probability



sbd_chi2_311	
Entries	21851
Mean	2.68e+004
RMS	3306
χ^2 / ndf	820.5 / 229
Constant	344.7 ± 3.0
Mean	2.665e+004 ± 2.222e+001
Sigma	2922 ± 15.7

χ^2_{ep} from 312.00 keV to 313.00 keV

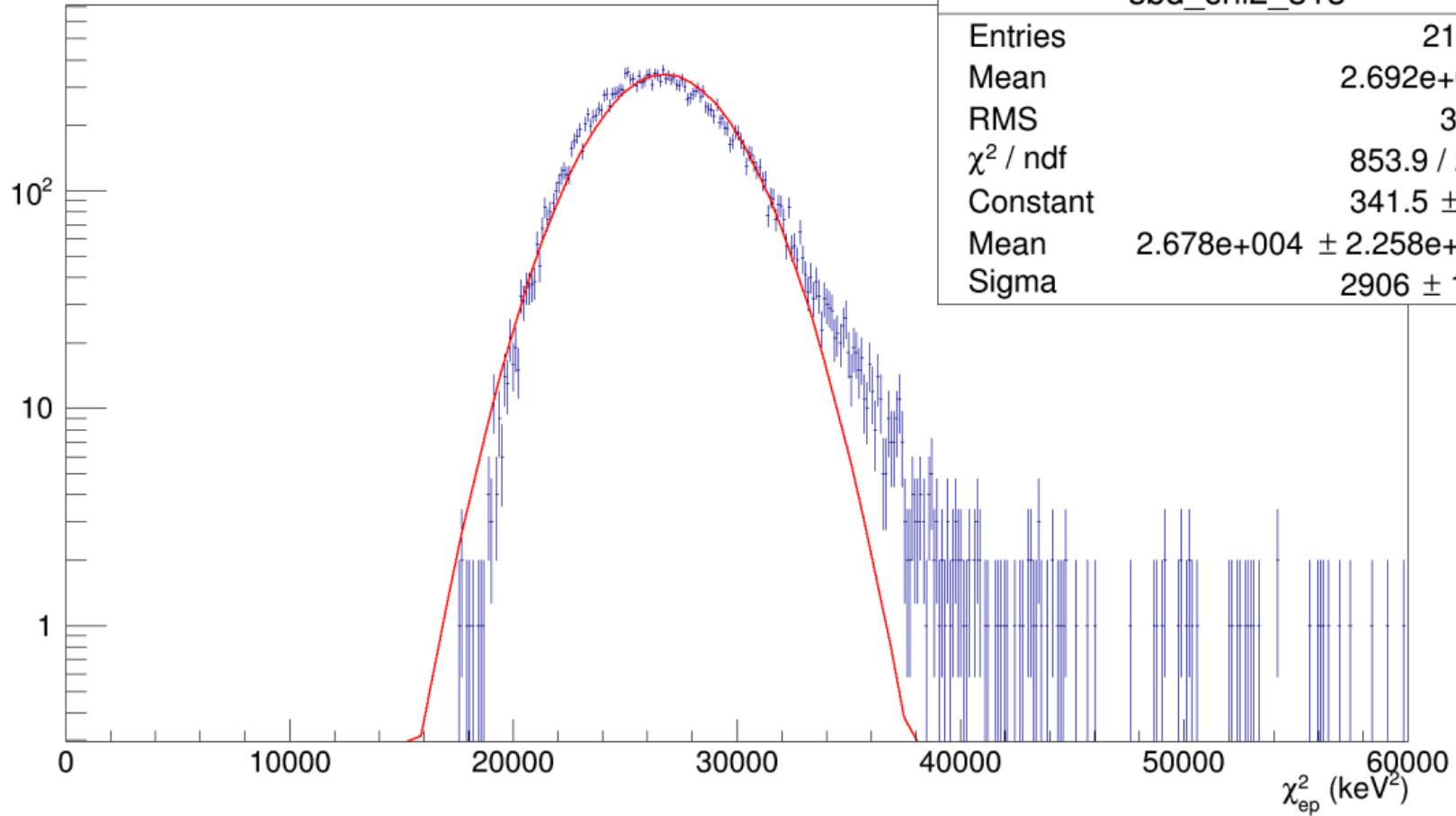
probability



sbd_chi2_312	
Entries	21736
Mean	2.69e+004
RMS	3305
χ^2 / ndf	841.7 / 238
Constant	347 ± 3.0
Mean	2.675e+004 ± 2.232e+001
Sigma	2882 ± 15.4

χ^2_{ep} from 313.00 keV to 314.00 keV

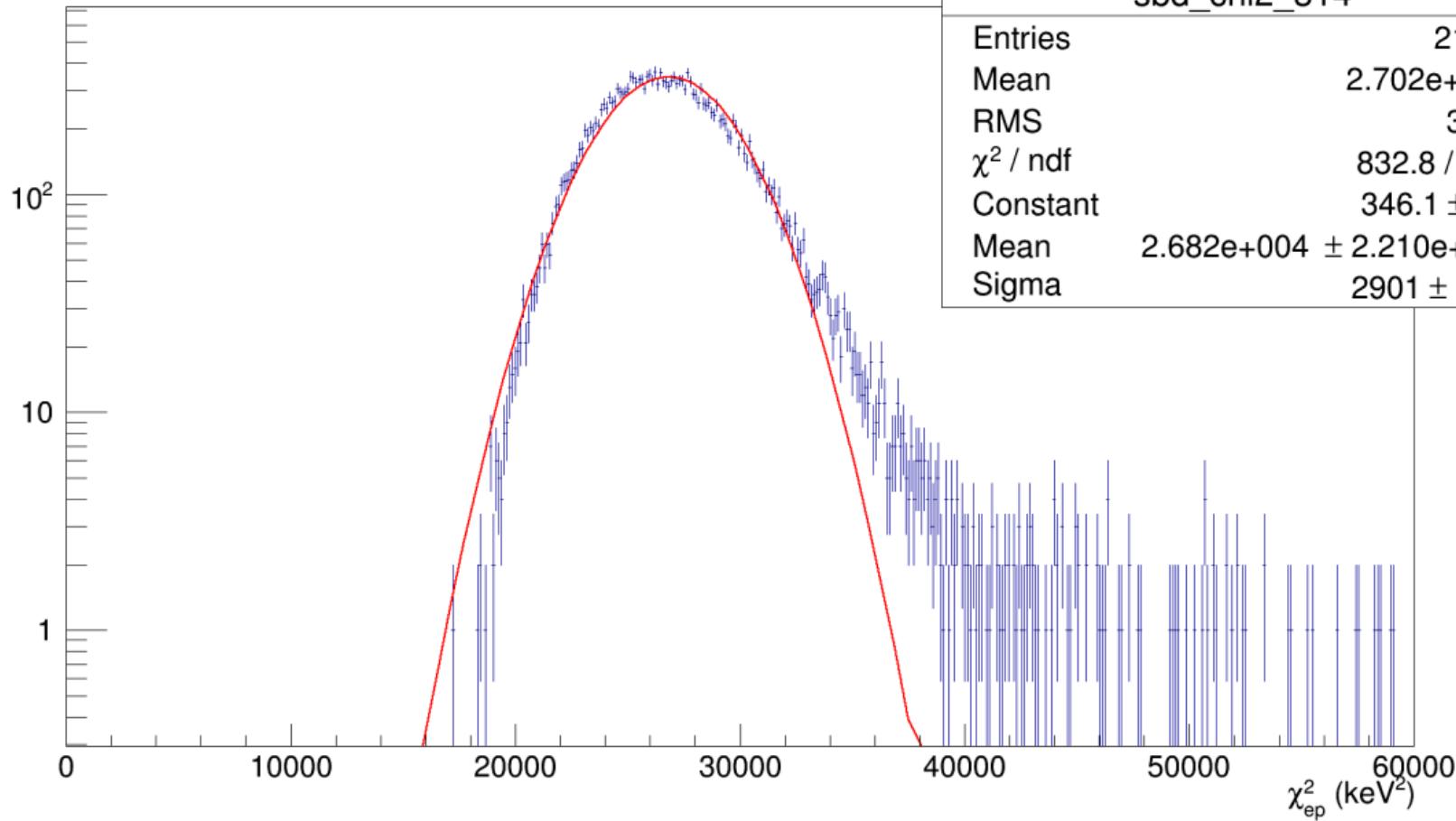
probability



sbd_chi2_313	
Entries	21586
Mean	2.692e+004
RMS	3390
χ^2 / ndf	853.9 / 244
Constant	341.5 ± 2.9
Mean	2.678e+004 ± 2.258e+001
Sigma	2906 ± 14.9

χ^2_{ep} from 314.00 keV to 315.00 keV

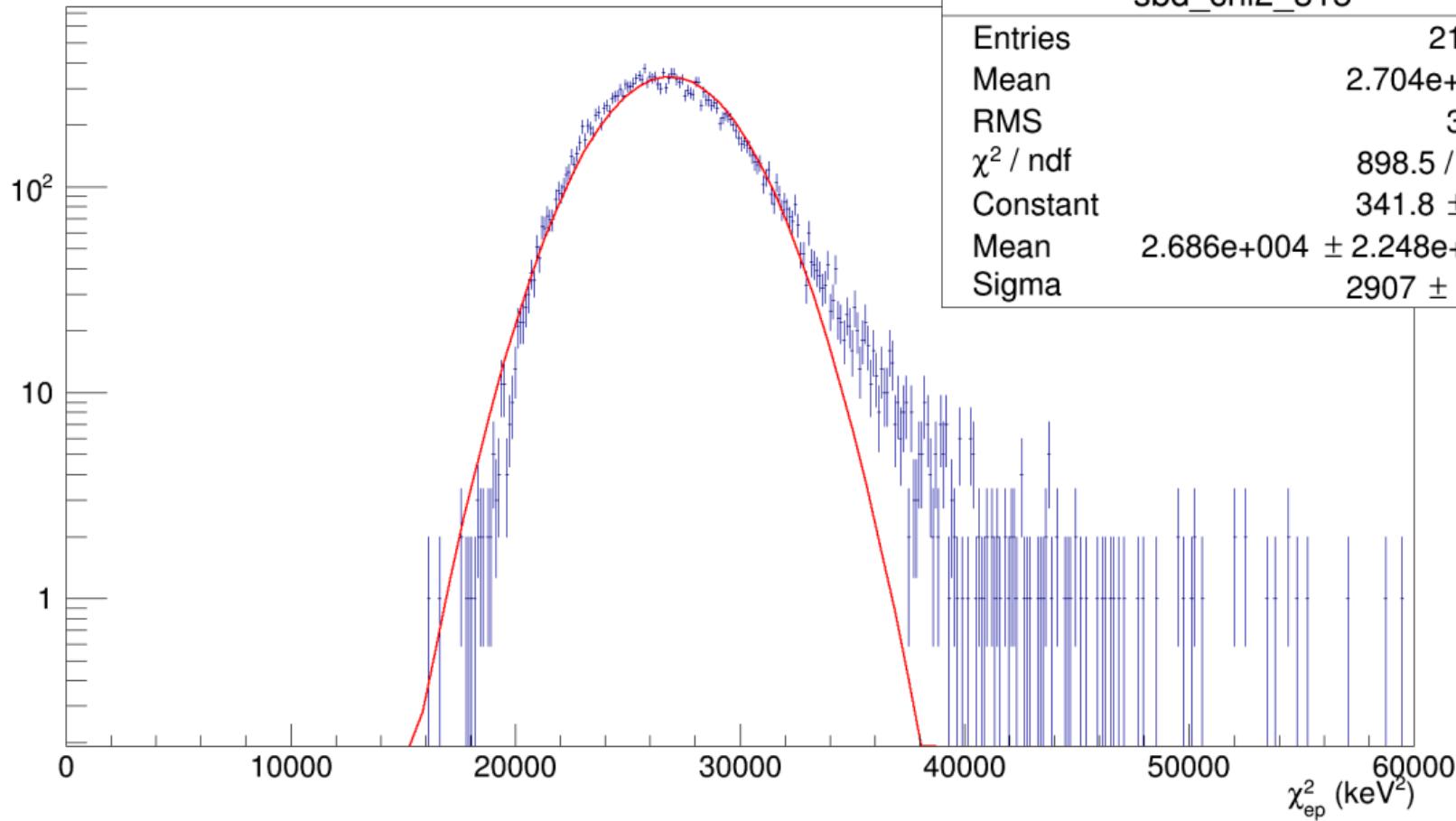
probability



sbd_chi2_314	
Entries	21771
Mean	2.702e+004
RMS	3442
χ^2 / ndf	832.8 / 250
Constant	346.1 ± 3.0
Mean	2.682e+004 ± 2.210e+001
Sigma	2901 ± 15.6

χ^2_{ep} from 315.00 keV to 316.00 keV

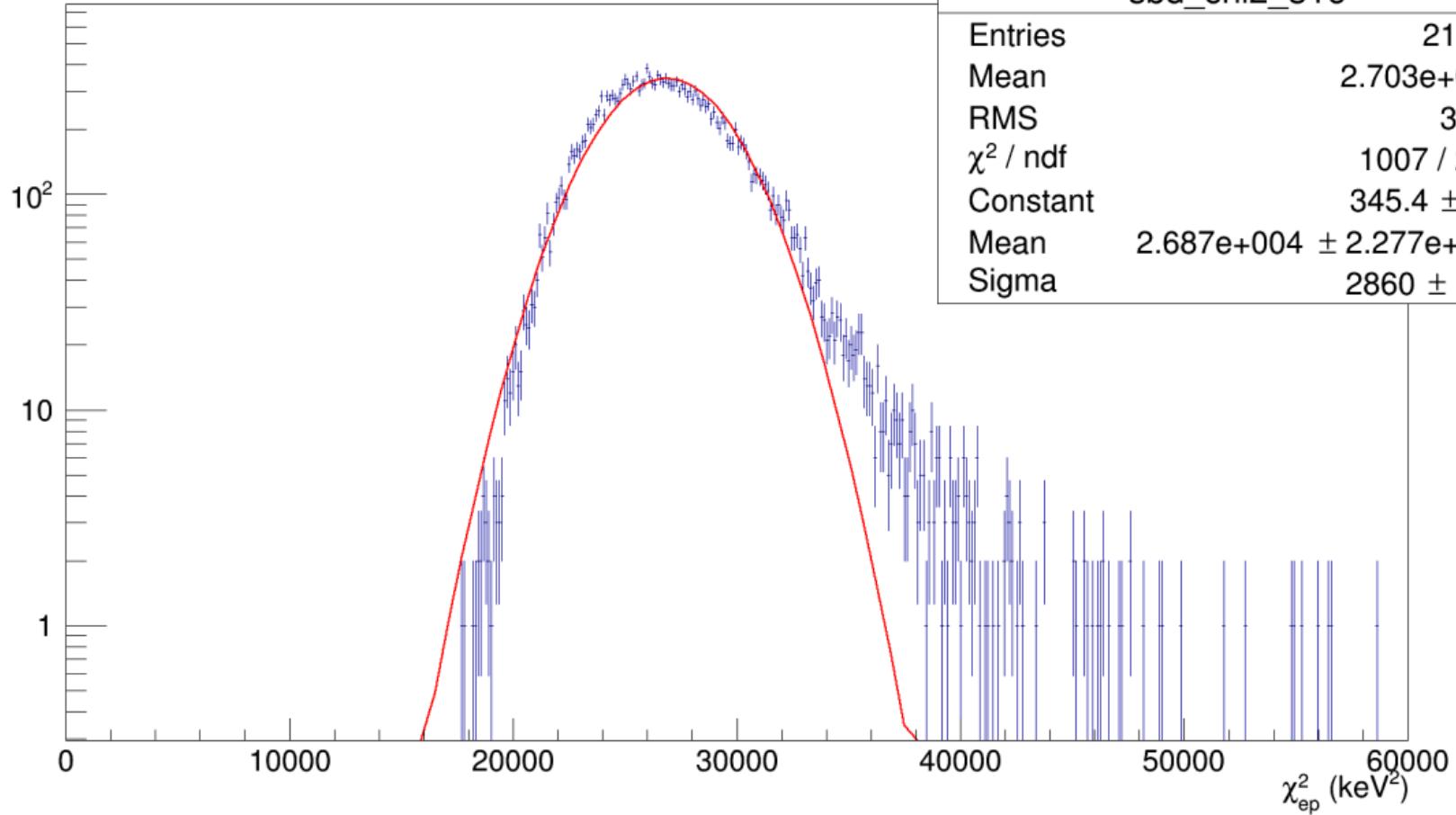
probability



sbd_chi2_315	
Entries	21659
Mean	2.704e+004
RMS	3405
χ^2 / ndf	898.5 / 243
Constant	341.8 ± 3.0
Mean	2.686e+004 ± 2.248e+001
Sigma	2907 ± 15.2

χ^2_{ep} from 316.00 keV to 317.00 keV

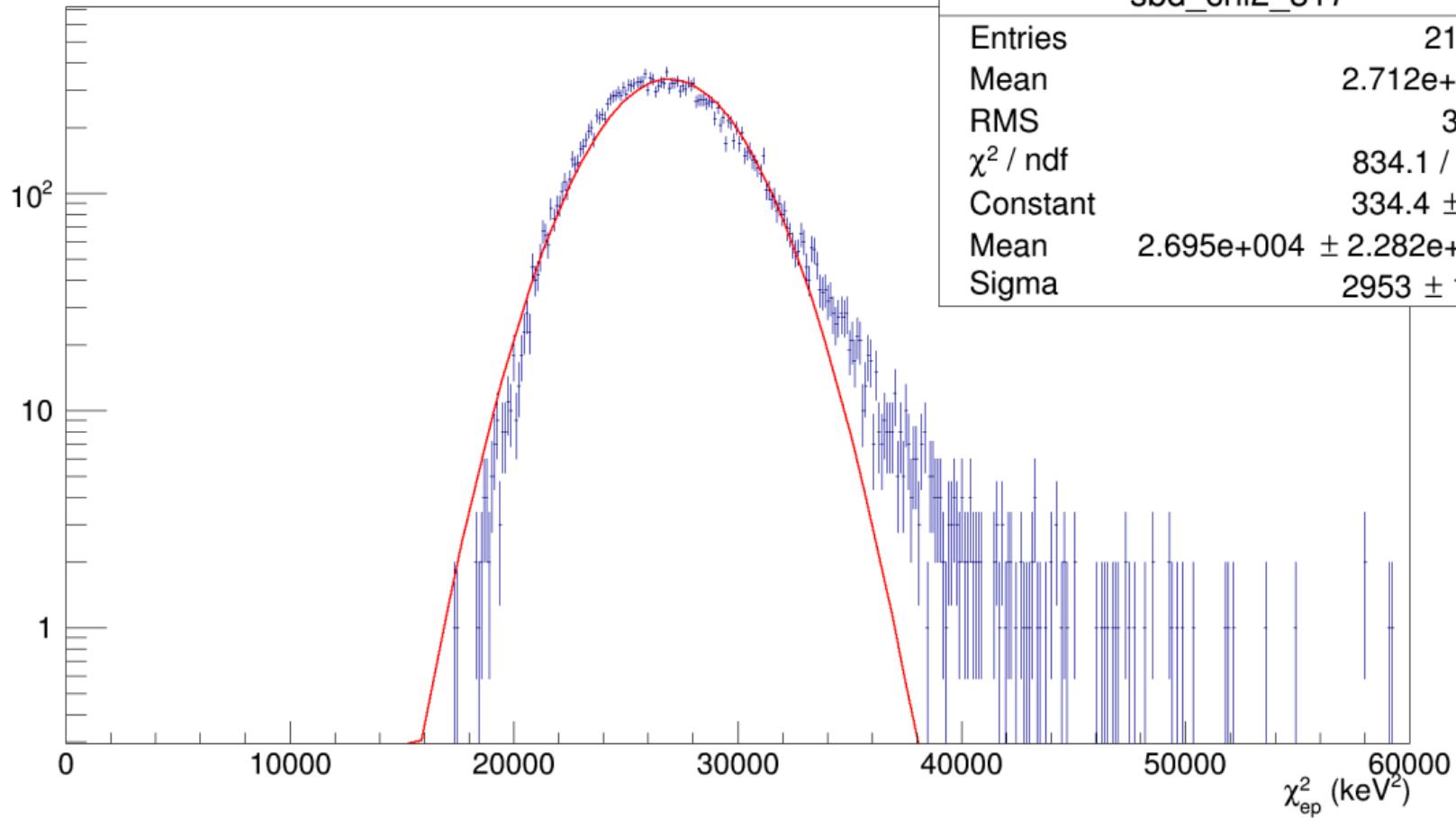
probability



sbd_chi2_316	
Entries	21647
Mean	2.703e+004
RMS	3335
χ^2 / ndf	1007 / 227
Constant	345.4 ± 3.0
Mean	2.687e+004 ± 2.277e+001
Sigma	2860 ± 15.1

χ^2_{ep} from 317.00 keV to 318.00 keV

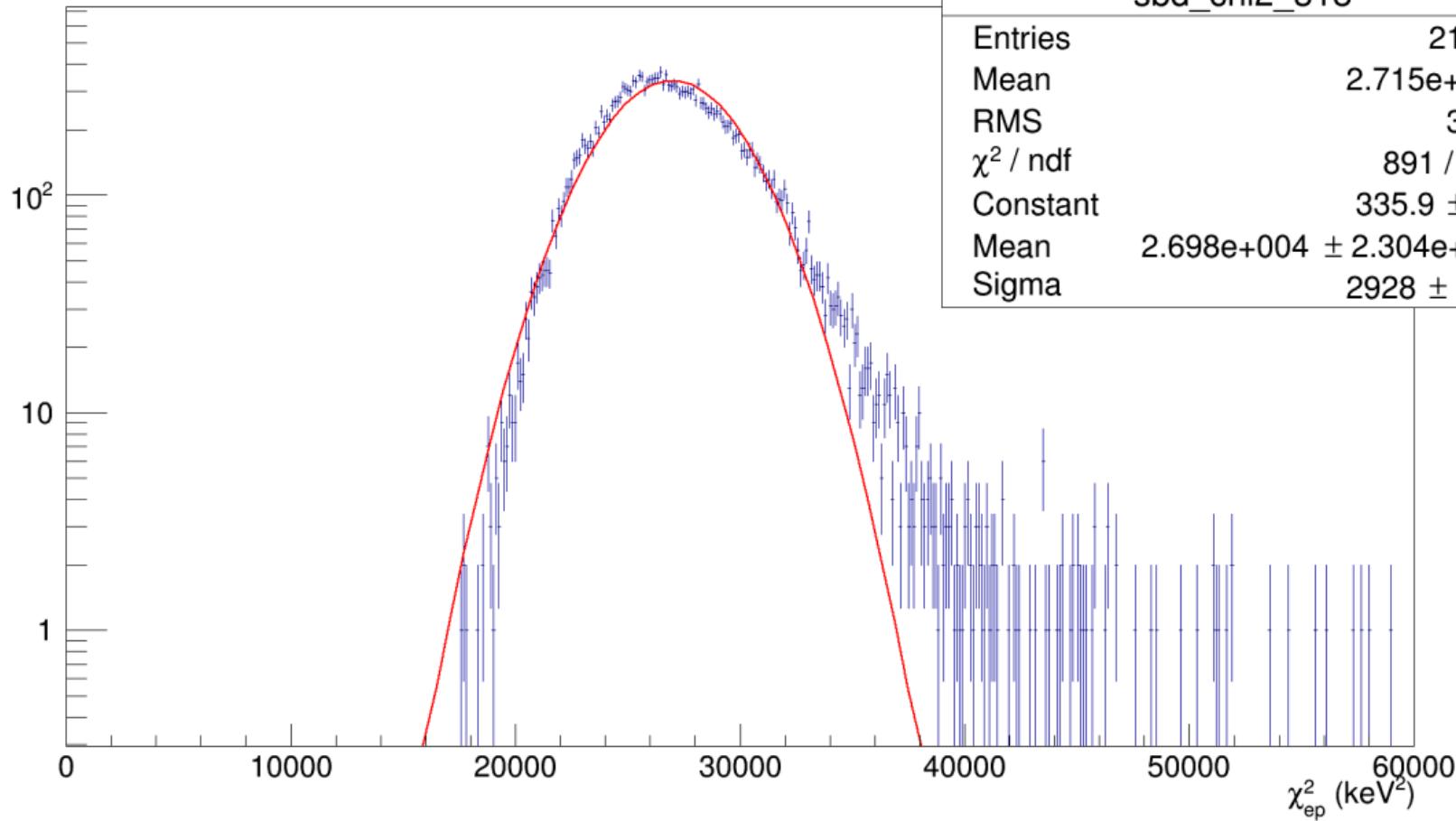
probability



sbd_chi2_317	
Entries	21469
Mean	2.712e+004
RMS	3393
χ^2 / ndf	834.1 / 236
Constant	334.4 ± 2.9
Mean	2.695e+004 ± 2.282e+001
Sigma	2953 ± 16.0

χ^2_{ep} from 318.00 keV to 319.00 keV

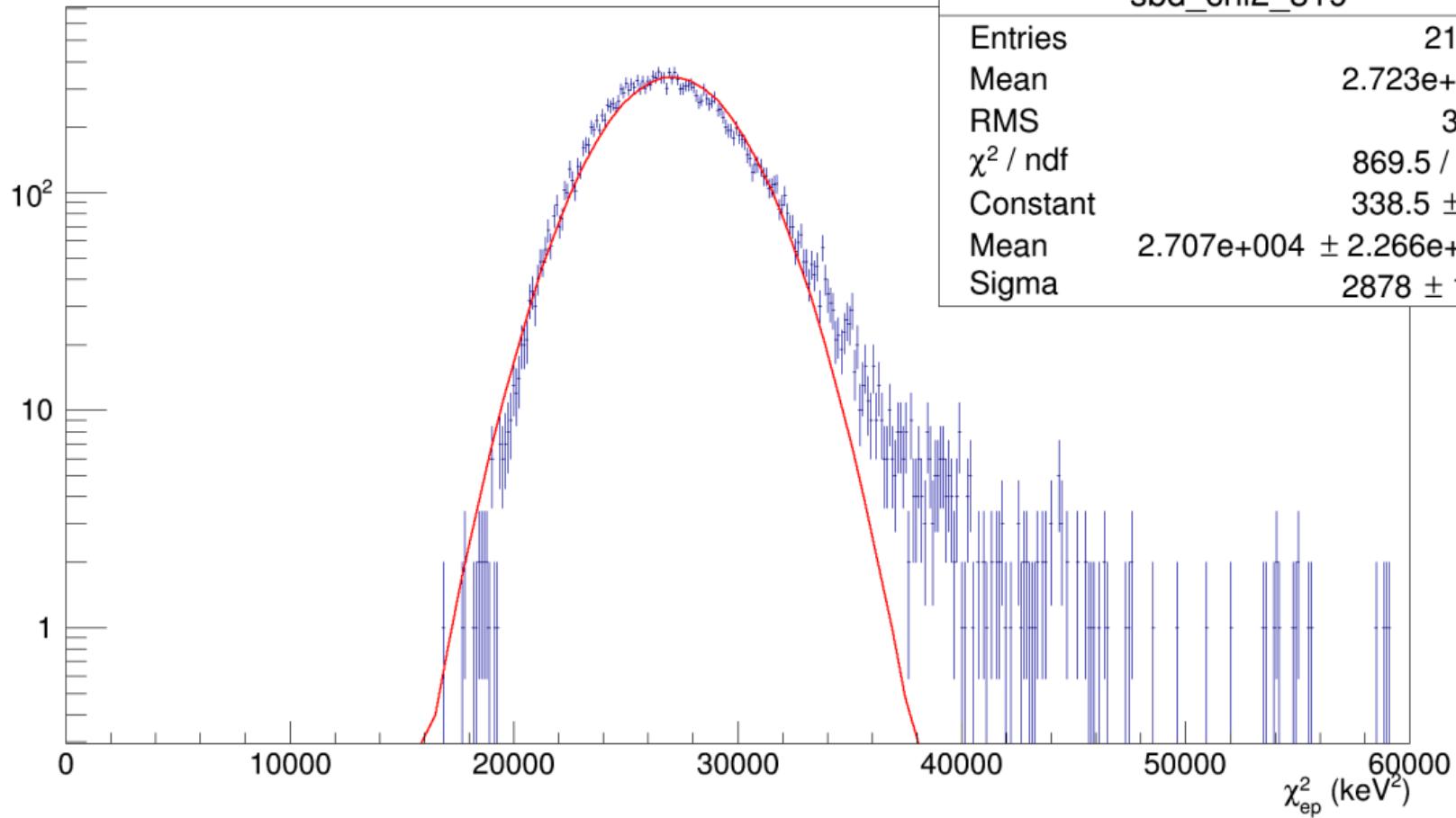
probability



sbd_chi2_318	
Entries	21438
Mean	2.715e+004
RMS	3369
χ^2 / ndf	891 / 234
Constant	335.9 ± 3.0
Mean	2.698e+004 ± 2.304e+001
Sigma	2928 ± 15.9

χ^2_{ep} from 319.00 keV to 320.00 keV

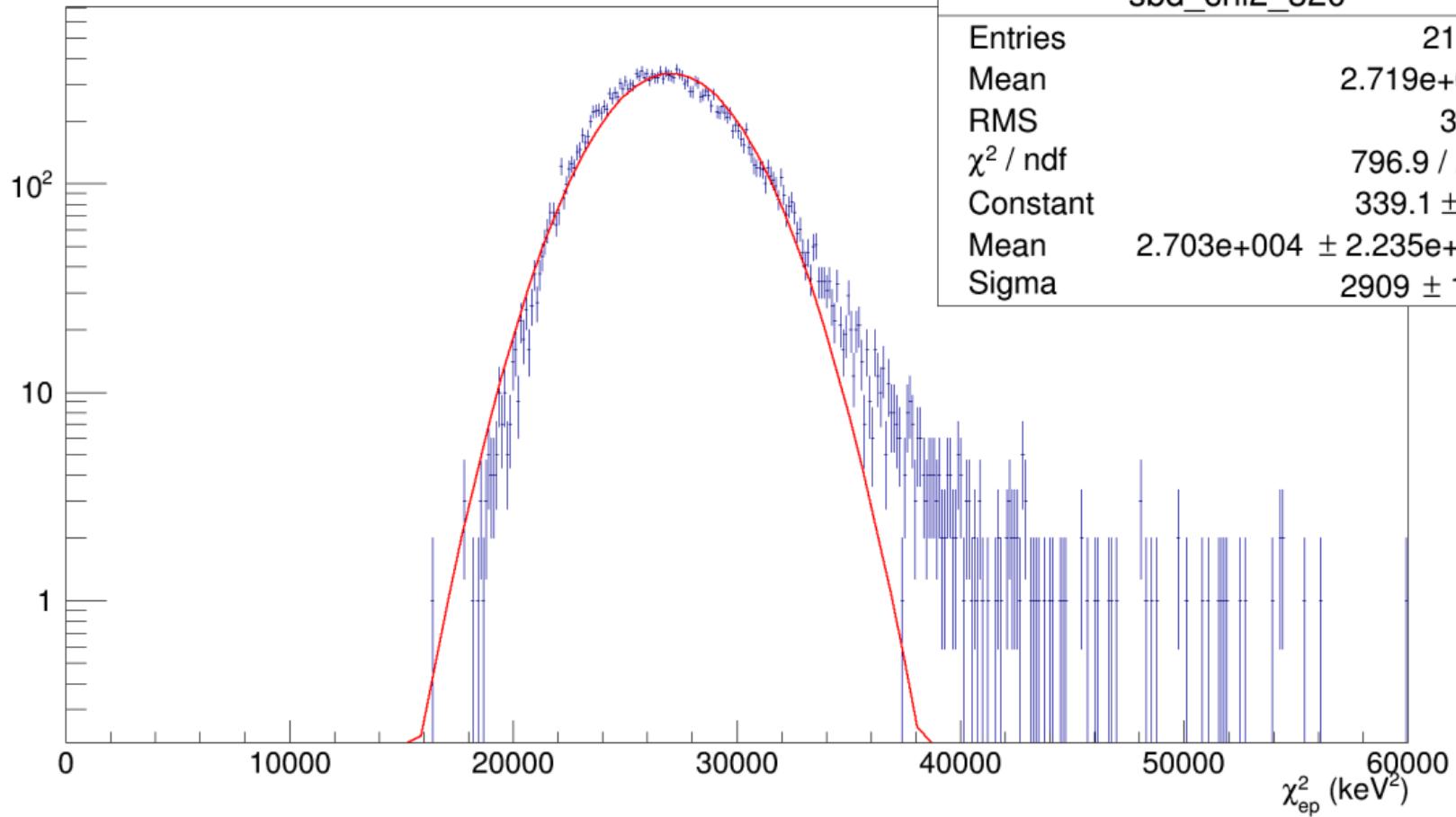
probability



sbd_chi2_319	
Entries	21227
Mean	2.723e+004
RMS	3396
χ^2 / ndf	869.5 / 239
Constant	338.5 ± 3.0
Mean	2.707e+004 ± 2.266e+001
Sigma	2878 ± 15.0

χ^2_{ep} from 320.00 keV to 321.00 keV

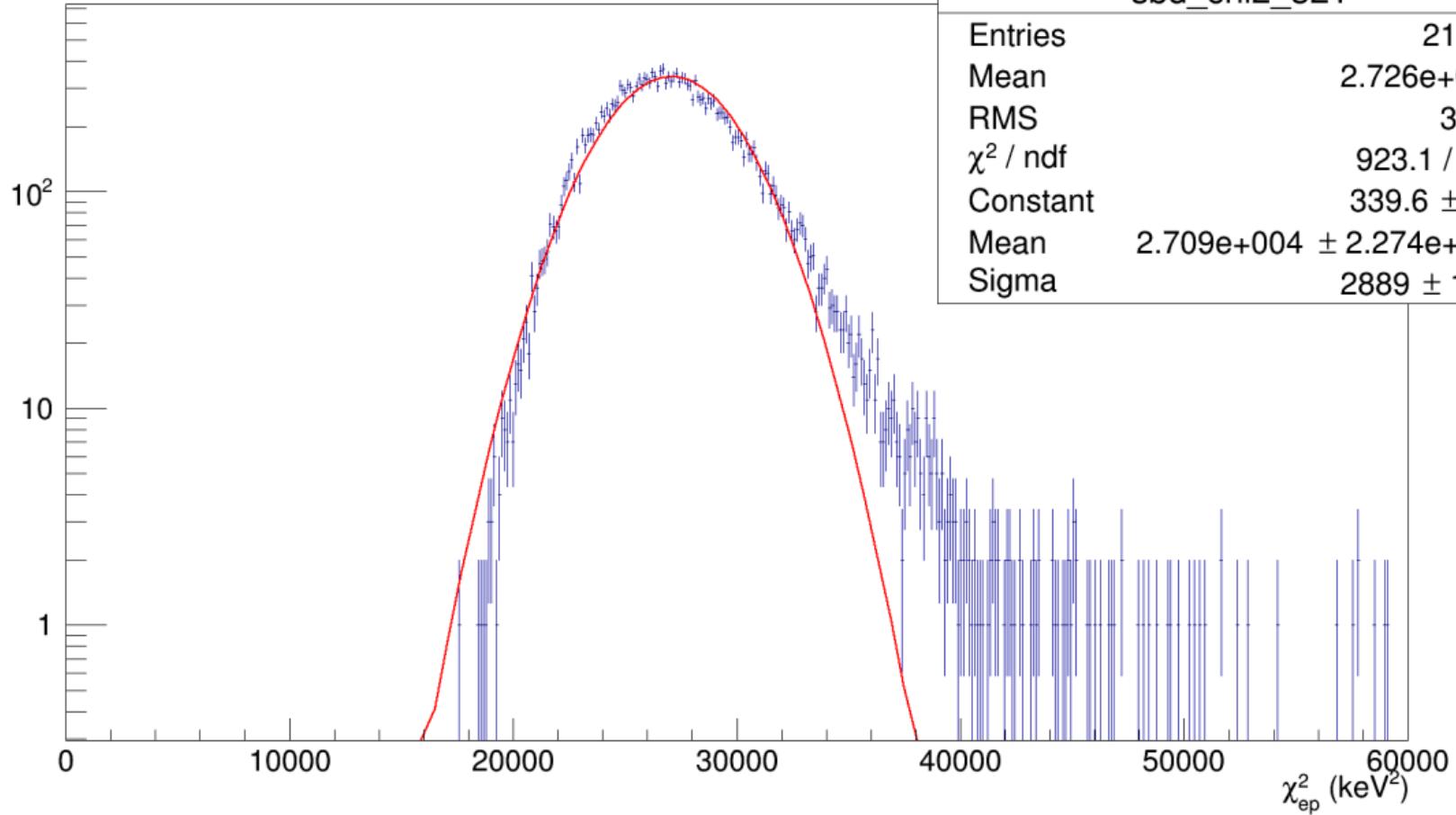
probability



sbd_chi2_320	
Entries	21407
Mean	2.719e+004
RMS	3345
χ^2 / ndf	796.9 / 238
Constant	339.1 \pm 3.0
Mean	2.703e+004 \pm 2.235e+001
Sigma	2909 \pm 15.7

χ^2_{ep} from 321.00 keV to 322.00 keV

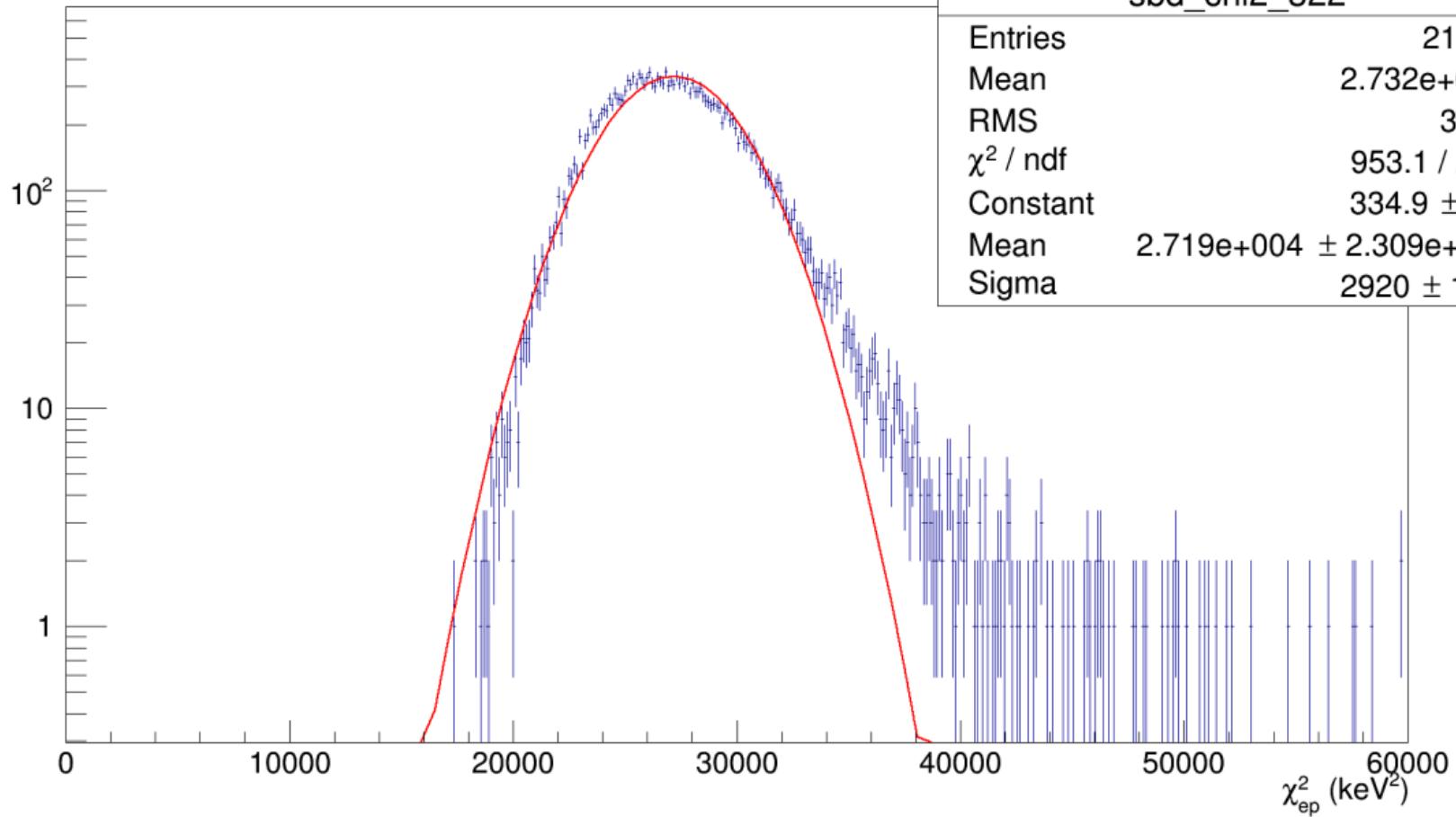
probability



sbd_chi2_321	
Entries	21425
Mean	2.726e+004
RMS	3388
χ^2 / ndf	923.1 / 241
Constant	339.6 ± 3.0
Mean	2.709e+004 ± 2.274e+001
Sigma	2889 ± 15.4

χ^2_{ep} from 322.00 keV to 323.00 keV

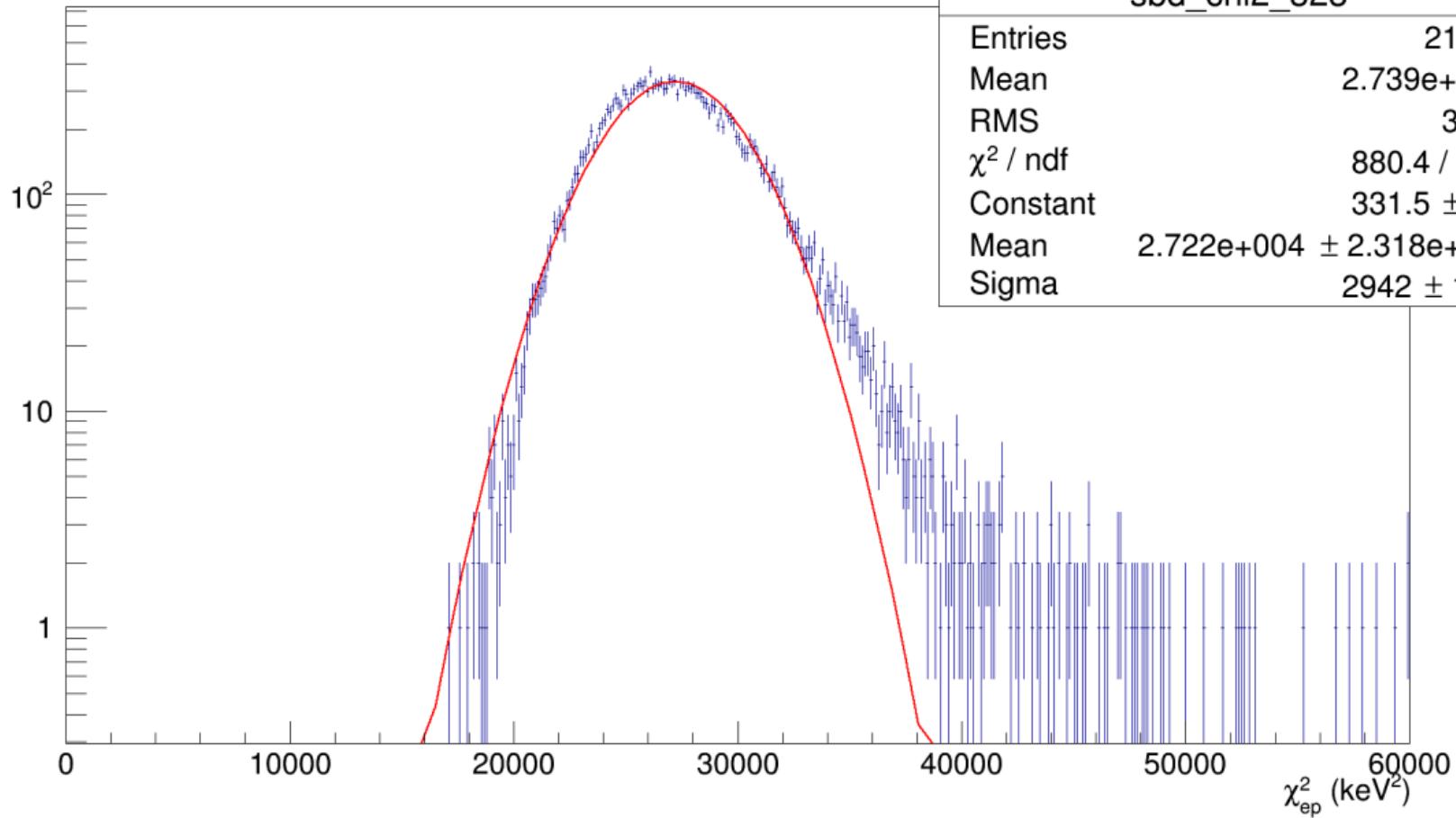
probability



sbd_chi2_322	
Entries	21385
Mean	2.732e+004
RMS	3394
χ^2 / ndf	953.1 / 239
Constant	334.9 ± 2.9
Mean	2.719e+004 ± 2.309e+001
Sigma	2920 ± 15.6

χ^2_{ep} from 323.00 keV to 324.00 keV

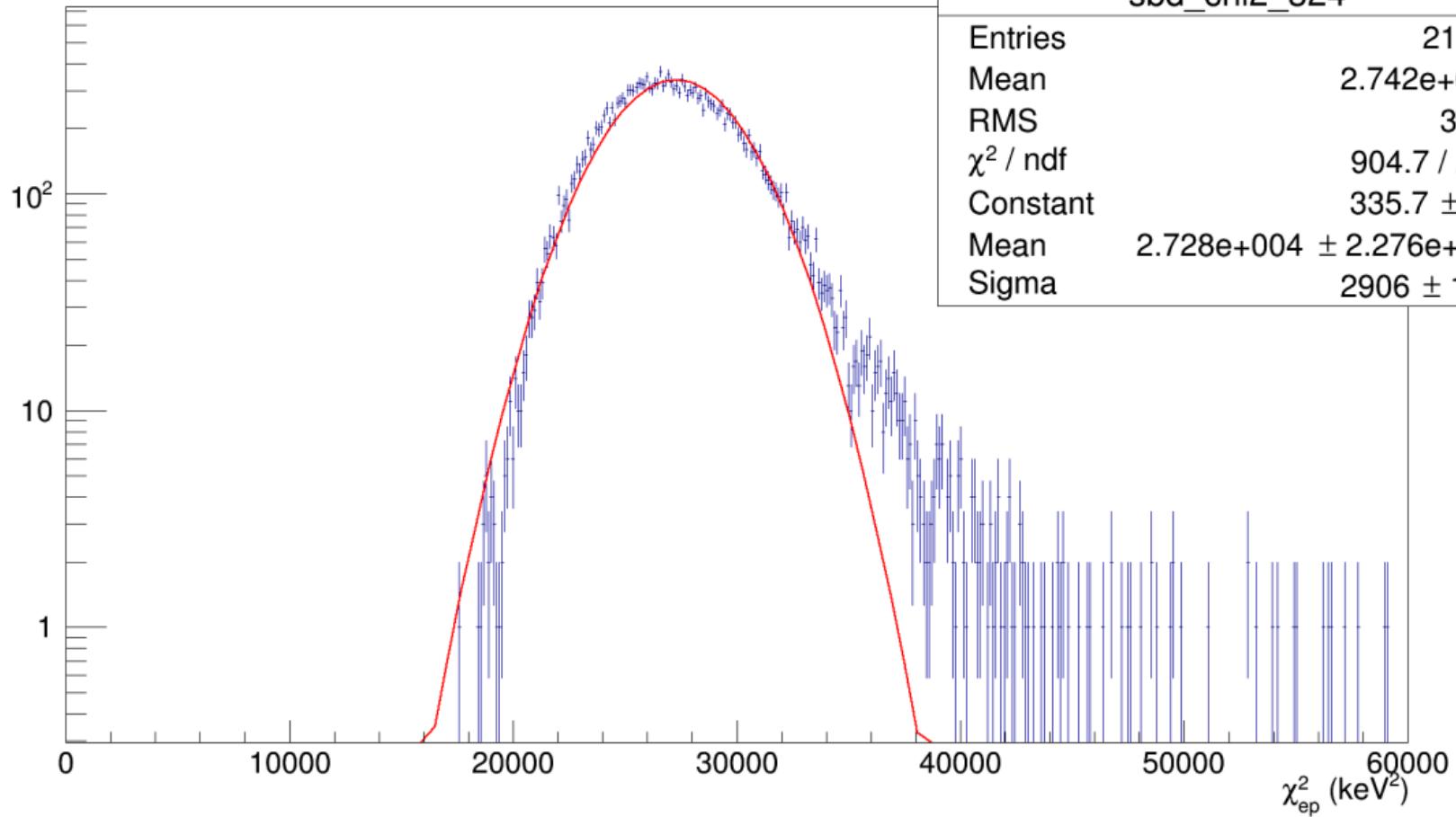
probability



sbd_chi2_323	
Entries	21264
Mean	2.739e+004
RMS	3424
χ^2 / ndf	880.4 / 244
Constant	331.5 ± 2.9
Mean	2.722e+004 ± 2.318e+001
Sigma	2942 ± 15.7

χ^2_{ep} from 324.00 keV to 325.00 keV

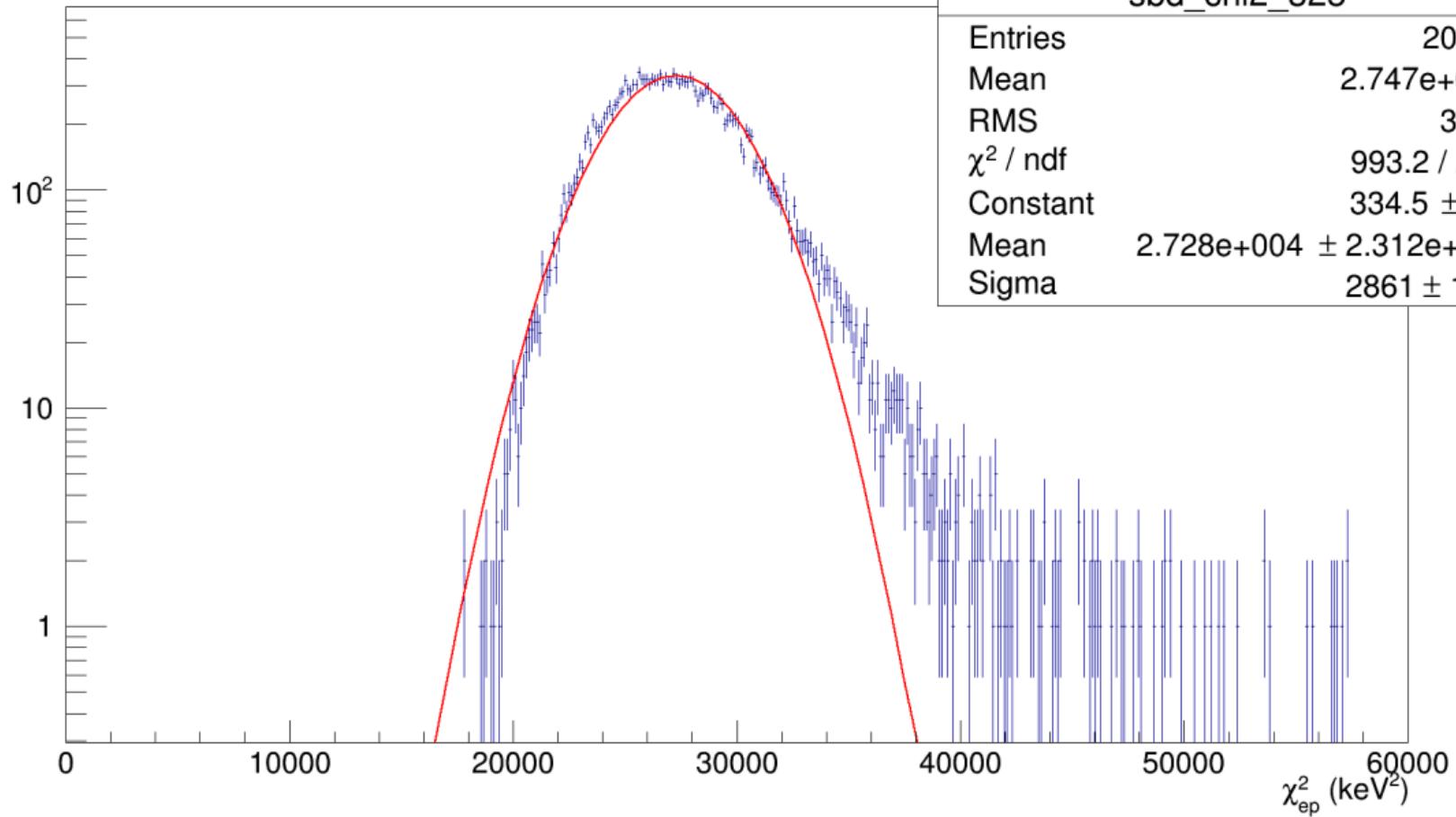
probability



sbd_chi2_324	
Entries	21293
Mean	2.742e+004
RMS	3396
χ^2 / ndf	904.7 / 236
Constant	335.7 ± 2.9
Mean	2.728e+004 ± 2.276e+001
Sigma	2906 ± 15.0

χ^2_{ep} from 325.00 keV to 326.00 keV

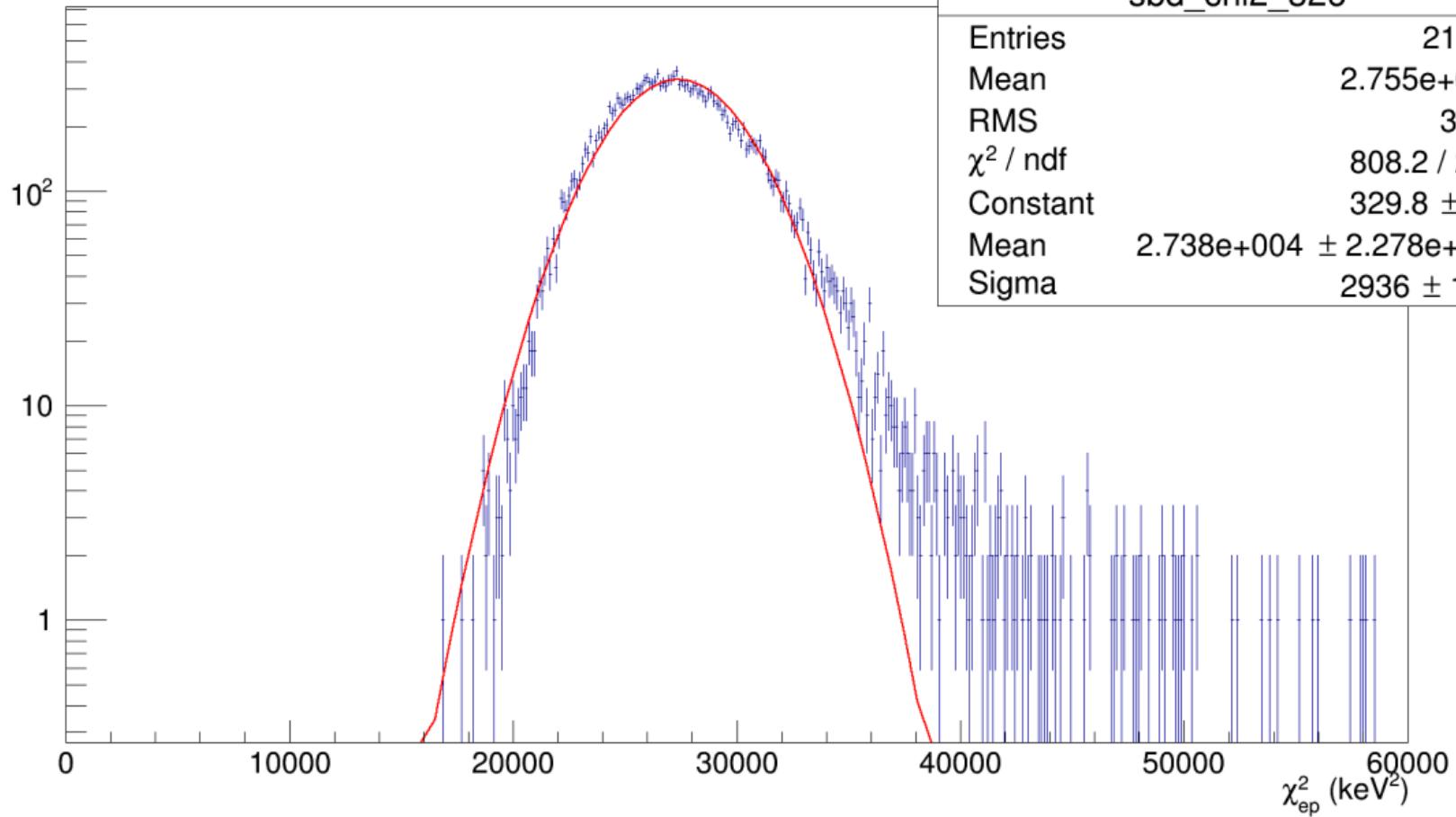
probability



sbd_chi2_325	
Entries	20993
Mean	2.747e+004
RMS	3394
χ^2 / ndf	993.2 / 236
Constant	334.5 ± 3.0
Mean	2.728e+004 ± 2.312e+001
Sigma	2861 ± 15.5

χ^2_{ep} from 326.00 keV to 327.00 keV

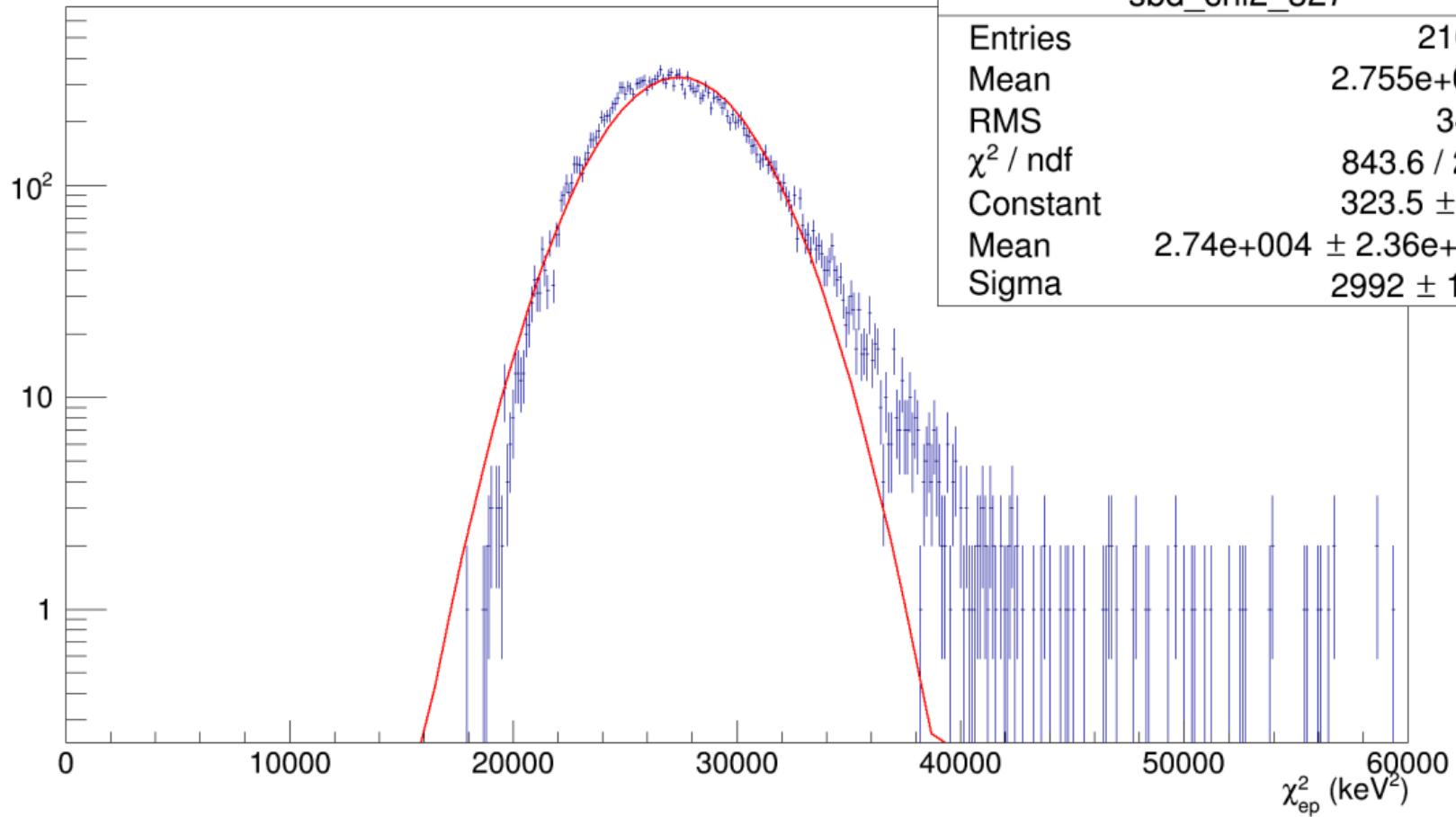
probability



sbd_chi2_326	
Entries	21028
Mean	2.755e+004
RMS	3415
χ^2 / ndf	808.2 / 244
Constant	329.8 ± 2.9
Mean	2.738e+004 ± 2.278e+001
Sigma	2936 ± 15.9

χ^2_{ep} from 327.00 keV to 328.00 keV

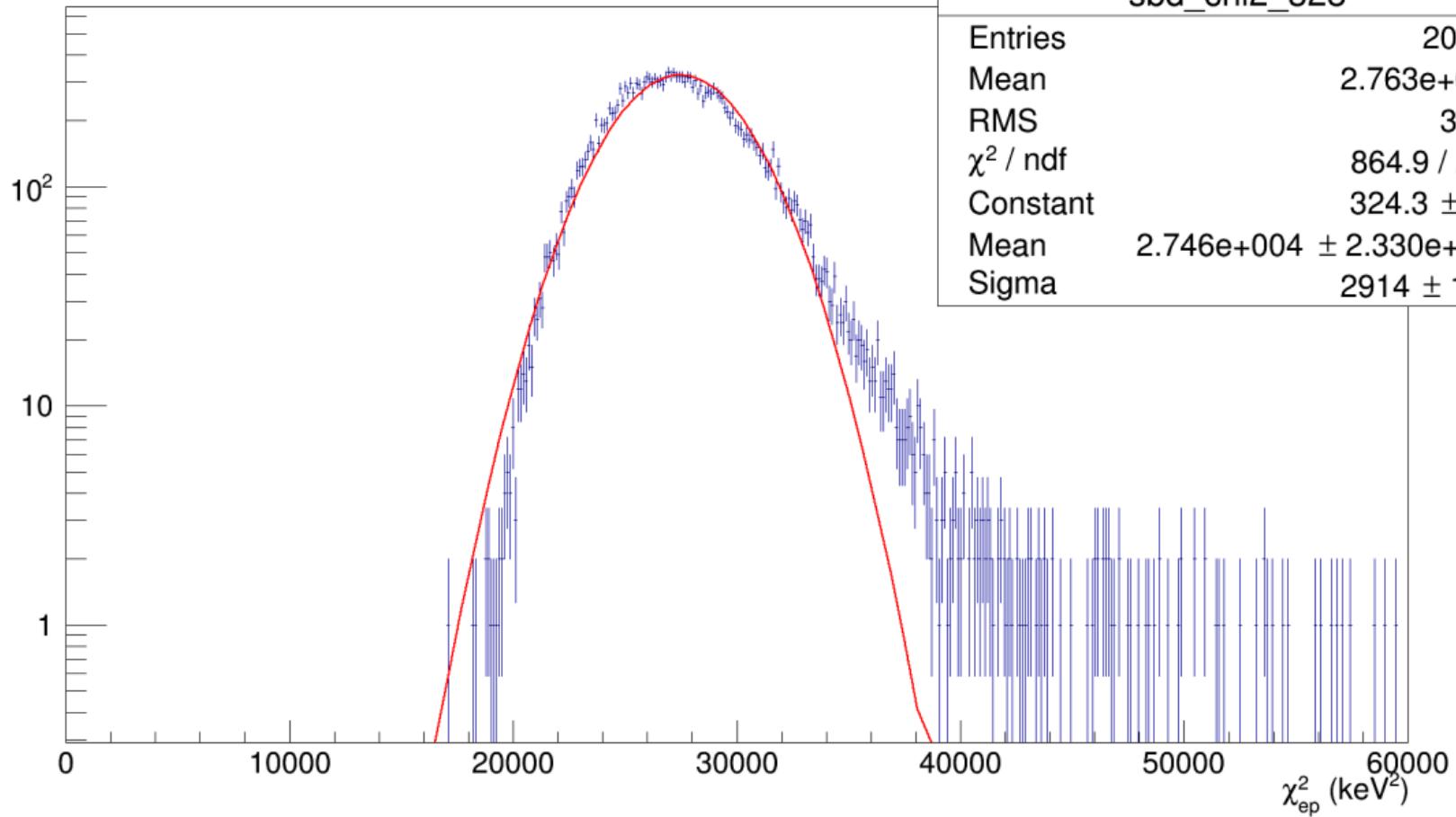
probability



sbd_chi2_327	
Entries	21065
Mean	2.755e+004
RMS	3433
χ^2 / ndf	843.6 / 235
Constant	323.5 ± 2.9
Mean	2.74e+004 ± 2.36e+001
Sigma	2992 ± 16.4

χ^2_{ep} from 328.00 keV to 329.00 keV

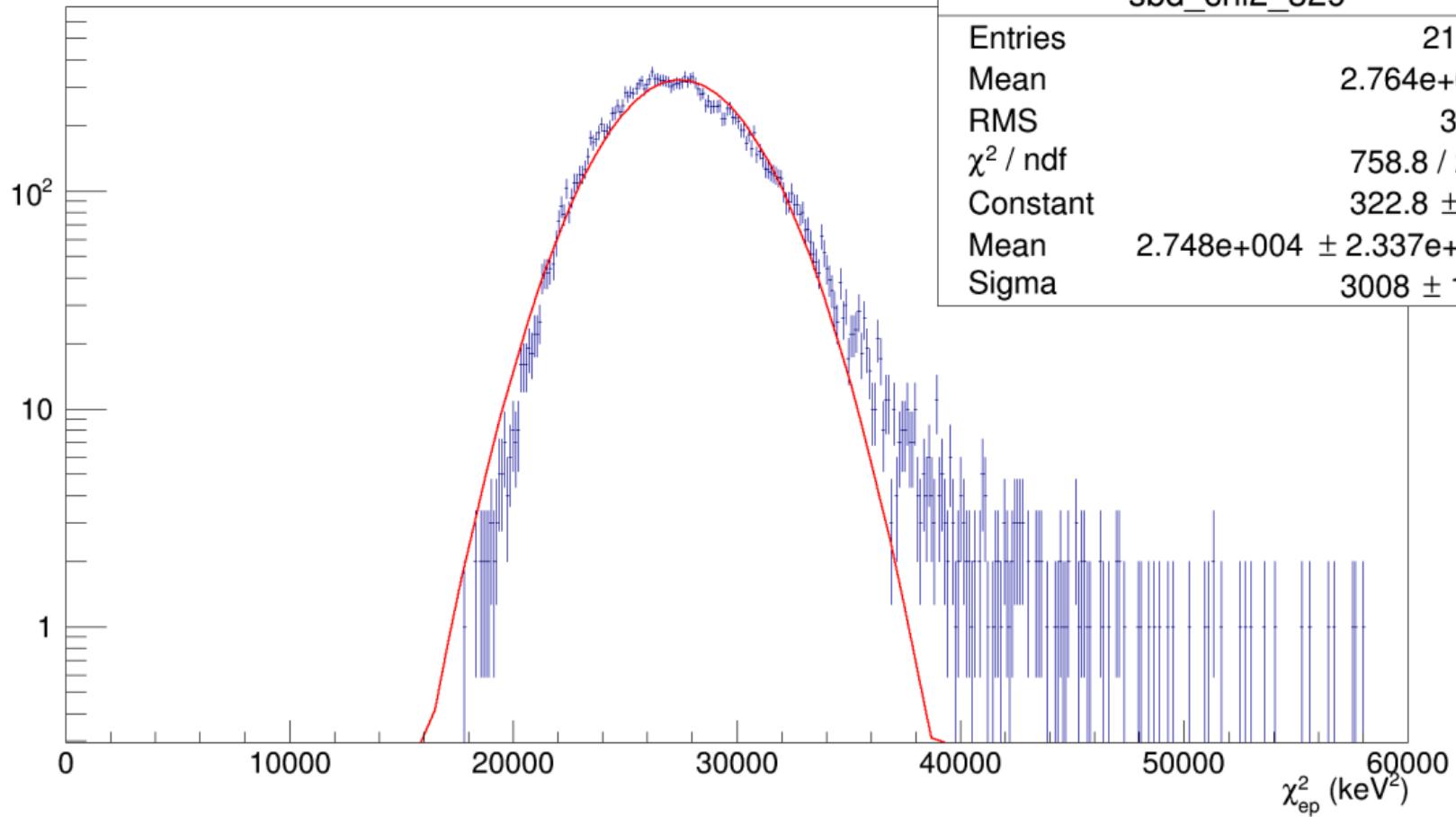
probability



sbd_chi2_328	
Entries	20604
Mean	2.763e+004
RMS	3454
χ^2 / ndf	864.9 / 250
Constant	324.3 \pm 2.9
Mean	2.746e+004 \pm 2.330e+001
Sigma	2914 \pm 15.4

χ^2_{ep} from 329.00 keV to 330.00 keV

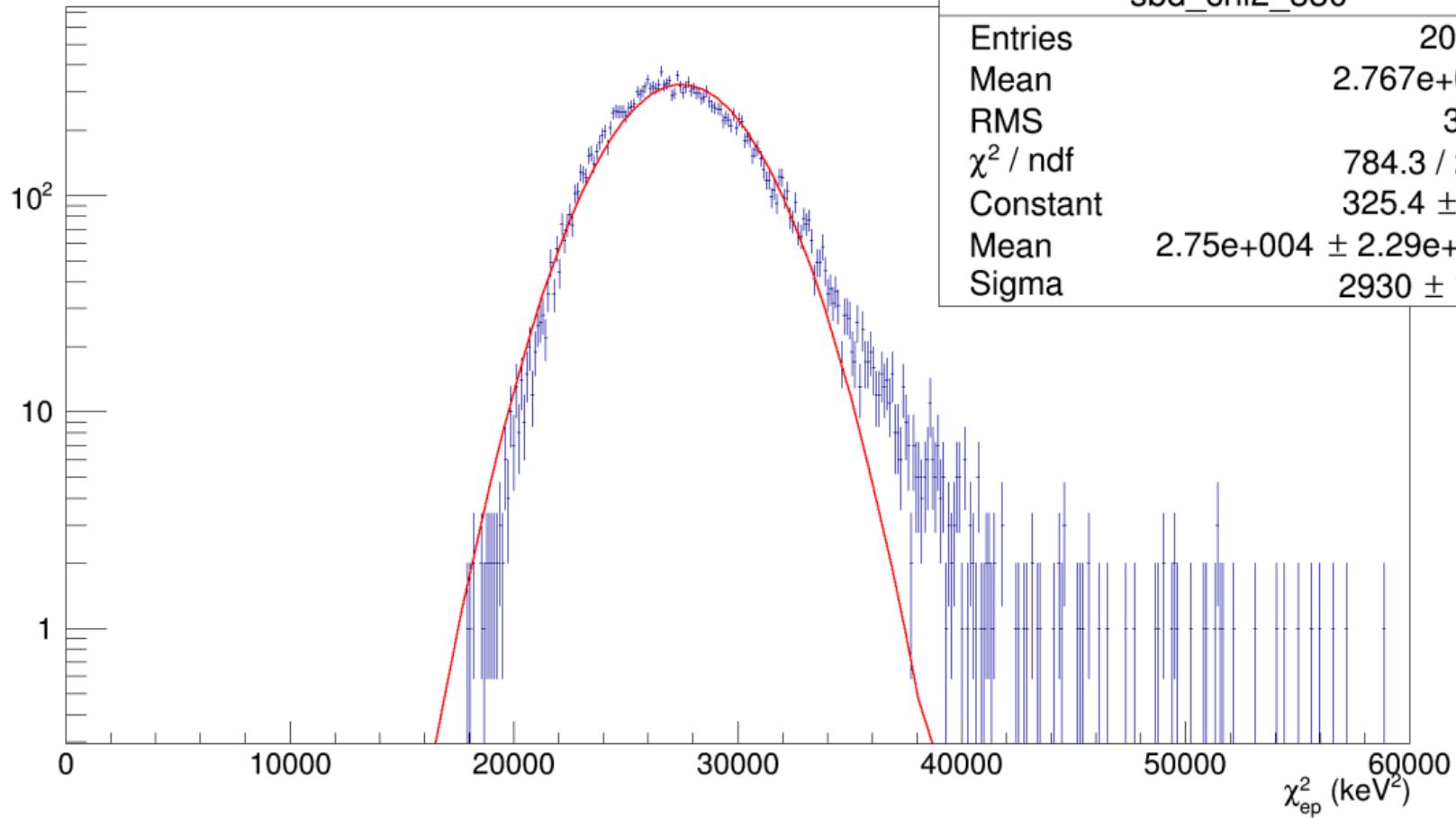
probability



sbd_chi2_329	
Entries	21044
Mean	2.764e+004
RMS	3448
χ^2 / ndf	758.8 / 247
Constant	322.8 ± 2.9
Mean	2.748e+004 ± 2.337e+001
Sigma	3008 ± 16.3

χ^2_{ep} from 330.00 keV to 331.00 keV

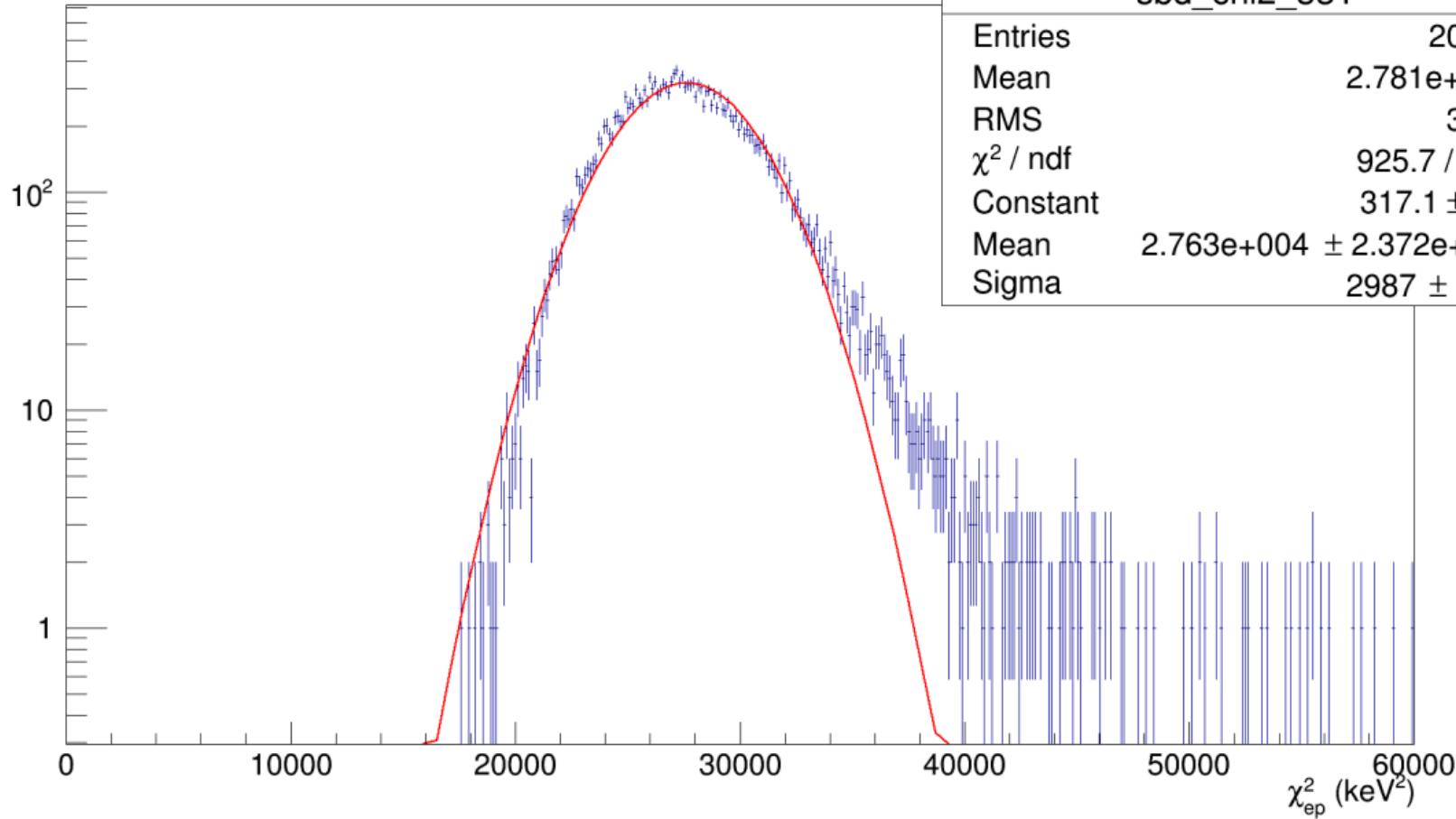
probability



sbd_chi2_330	
Entries	20707
Mean	2.767e+004
RMS	3361
χ^2 / ndf	784.3 / 235
Constant	325.4 ± 2.9
Mean	2.75e+004 ± 2.29e+001
Sigma	2930 ± 16.1

χ^2_{ep} from 331.00 keV to 332.00 keV

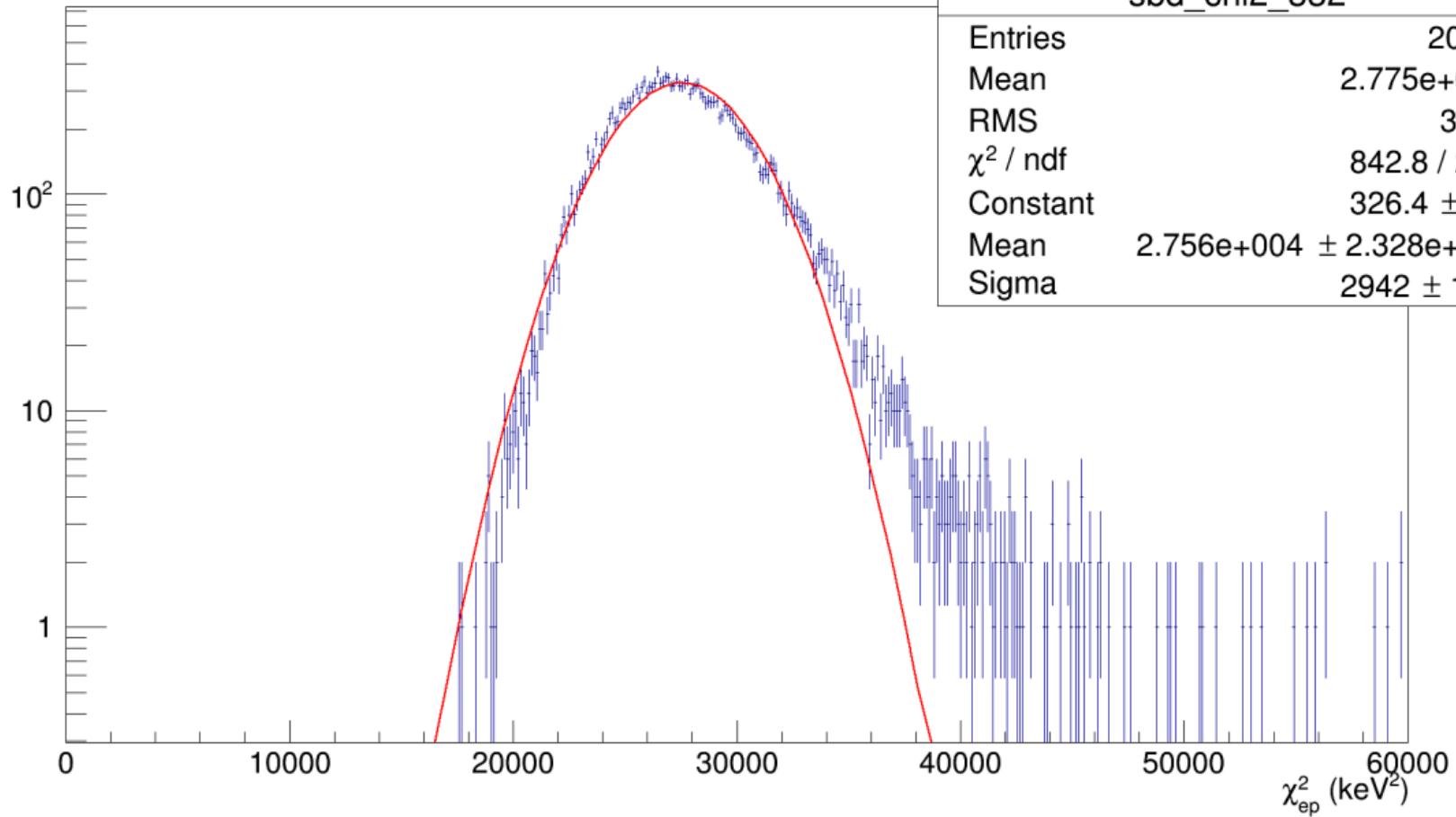
probability



sbd_chi2_331	
Entries	20714
Mean	2.781e+004
RMS	3514
χ^2 / ndf	925.7 / 246
Constant	317.1 ± 2.8
Mean	2.763e+004 ± 2.372e+001
Sigma	2987 ± 16.3

χ^2_{ep} from 332.00 keV to 333.00 keV

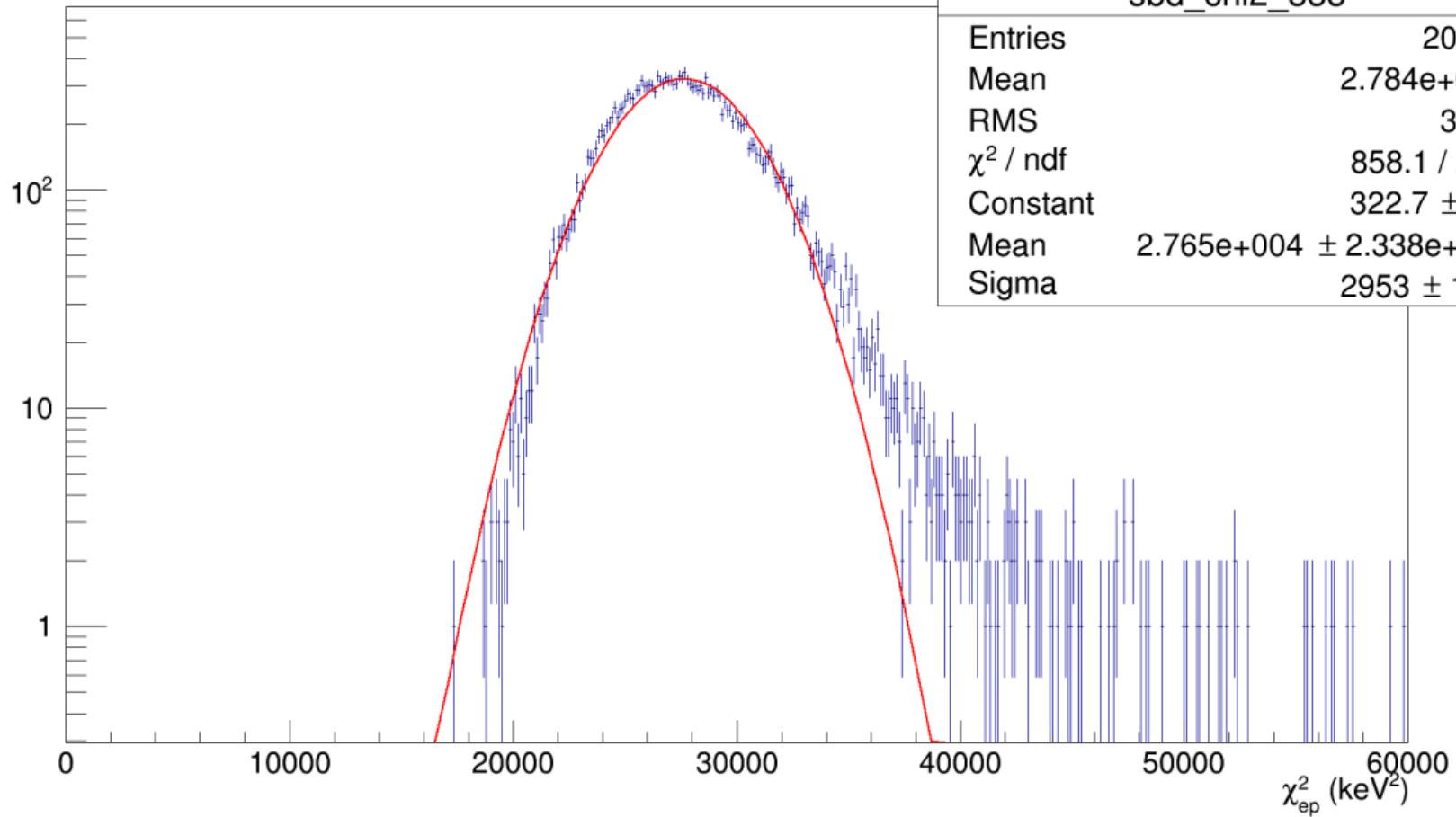
probability



sbd_chi2_332	
Entries	20891
Mean	2.775e+004
RMS	3389
χ^2 / ndf	842.8 / 234
Constant	326.4 \pm 2.9
Mean	2.756e+004 \pm 2.328e+001
Sigma	2942 \pm 16.6

χ^2_{ep} from 333.00 keV to 334.00 keV

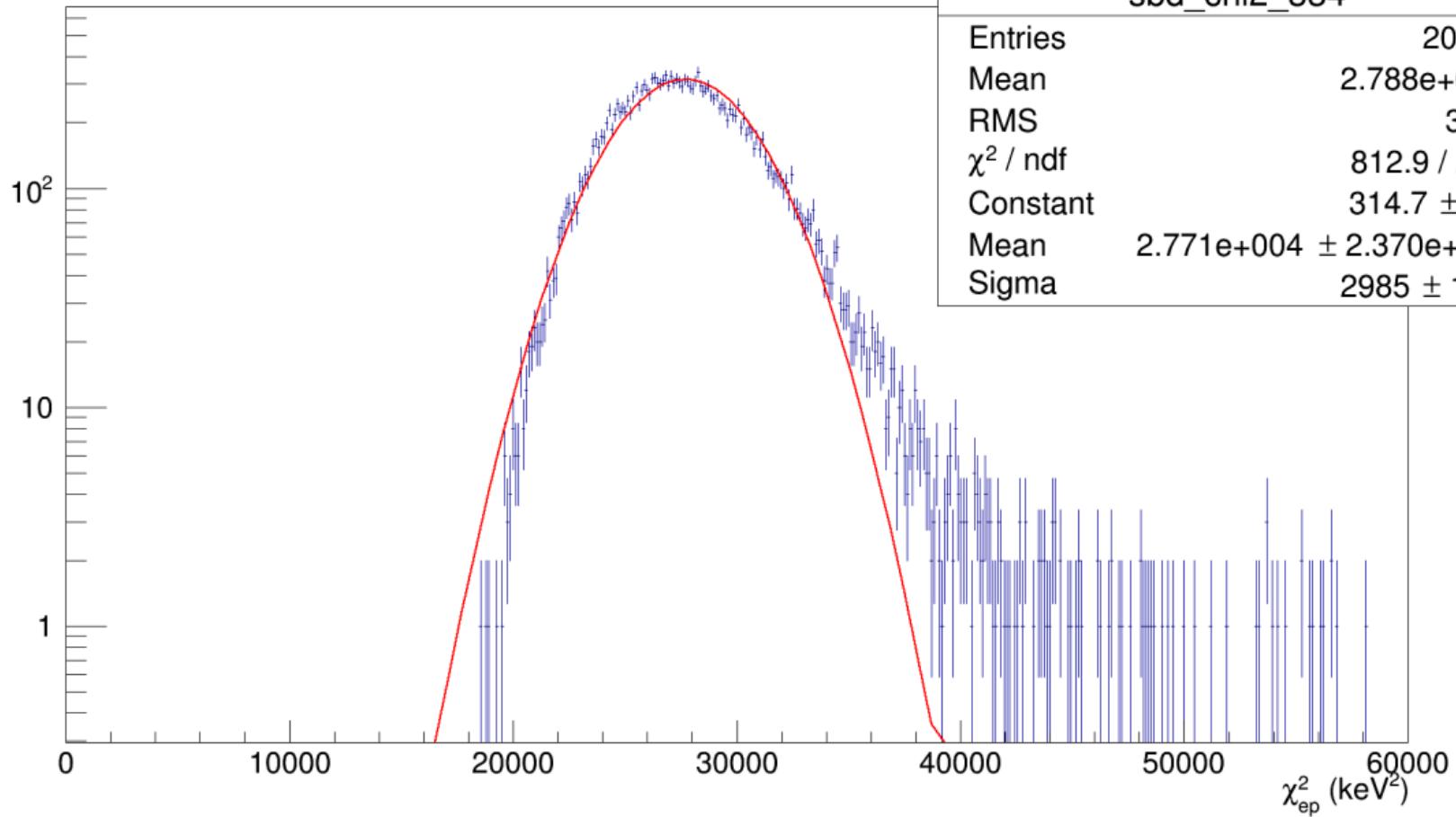
probability



sbd_chi2_333	
Entries	20759
Mean	2.784e+004
RMS	3438
χ^2 / ndf	858.1 / 238
Constant	322.7 ± 2.9
Mean	2.765e+004 ± 2.338e+001
Sigma	2953 ± 16.4

χ^2_{ep} from 334.00 keV to 335.00 keV

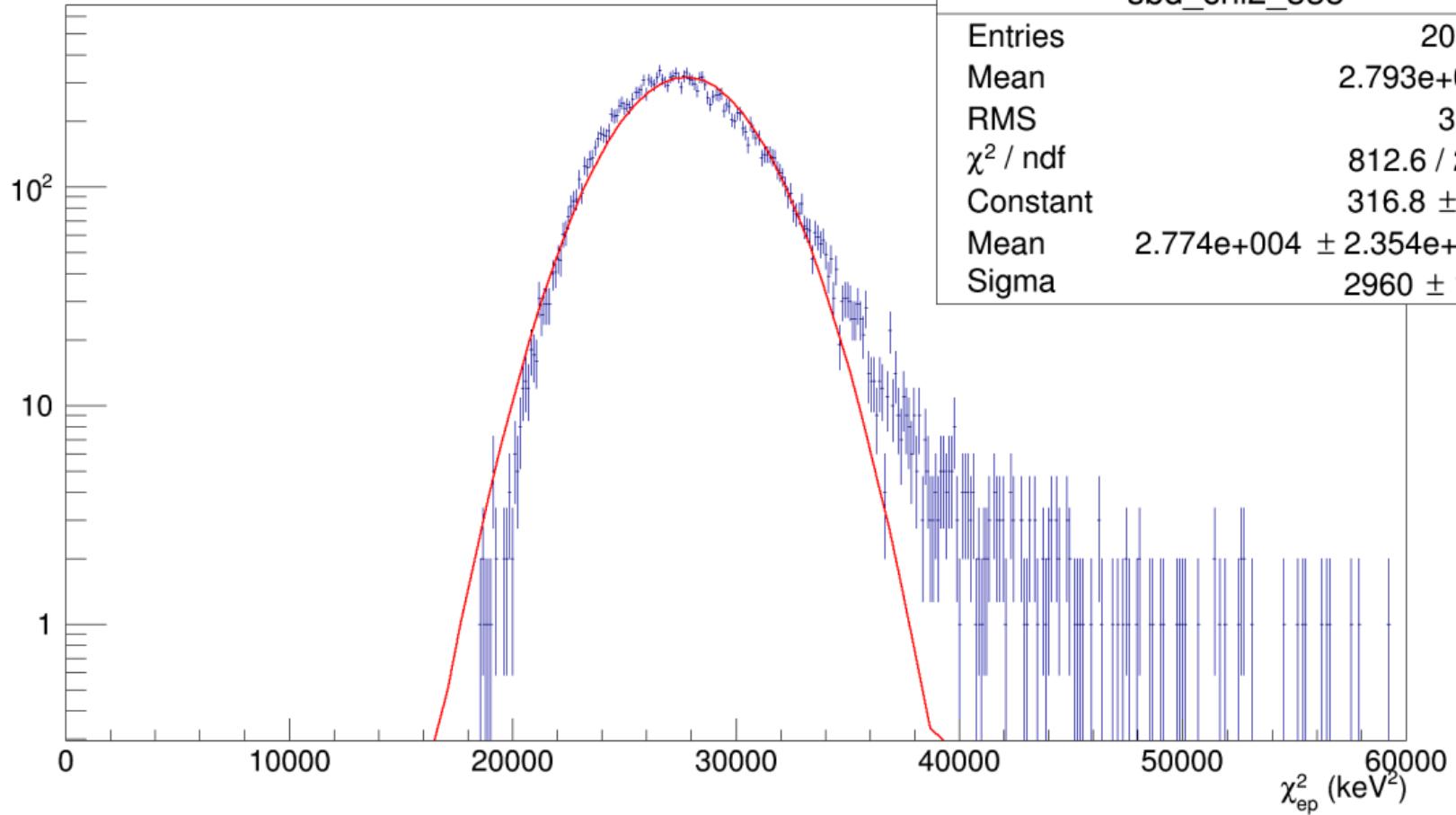
probability



sbd_chi2_334	
Entries	20422
Mean	2.788e+004
RMS	3471
χ^2 / ndf	812.9 / 243
Constant	314.7 ± 2.8
Mean	2.771e+004 ± 2.370e+001
Sigma	2985 ± 16.4

χ^2_{ep} from 335.00 keV to 336.00 keV

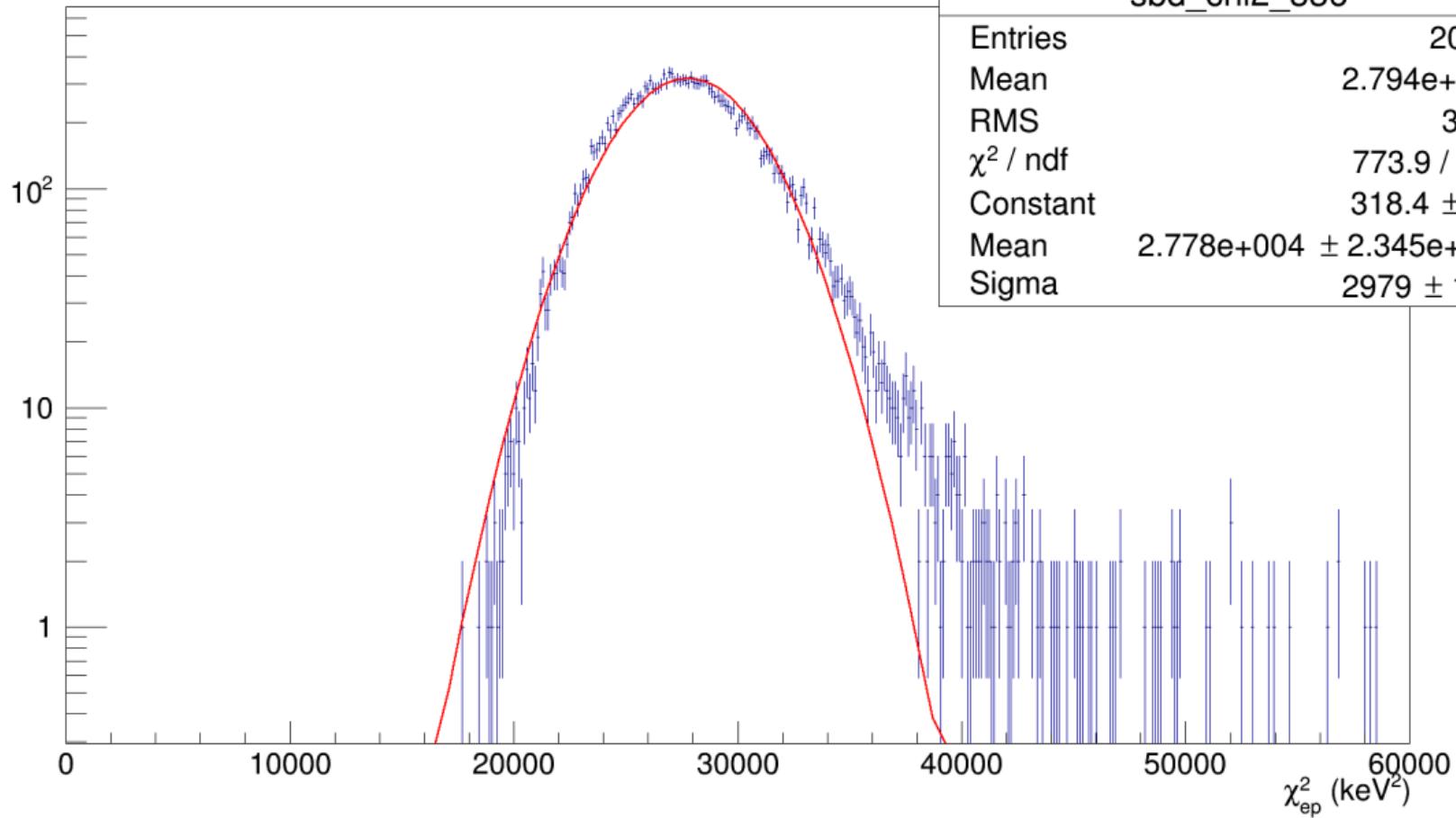
probability



sbd_chi2_335	
Entries	20399
Mean	2.793e+004
RMS	3474
χ^2 / ndf	812.6 / 247
Constant	316.8 ± 2.8
Mean	2.774e+004 ± 2.354e+001
Sigma	2960 ± 16.1

χ^2_{ep} from 336.00 keV to 337.00 keV

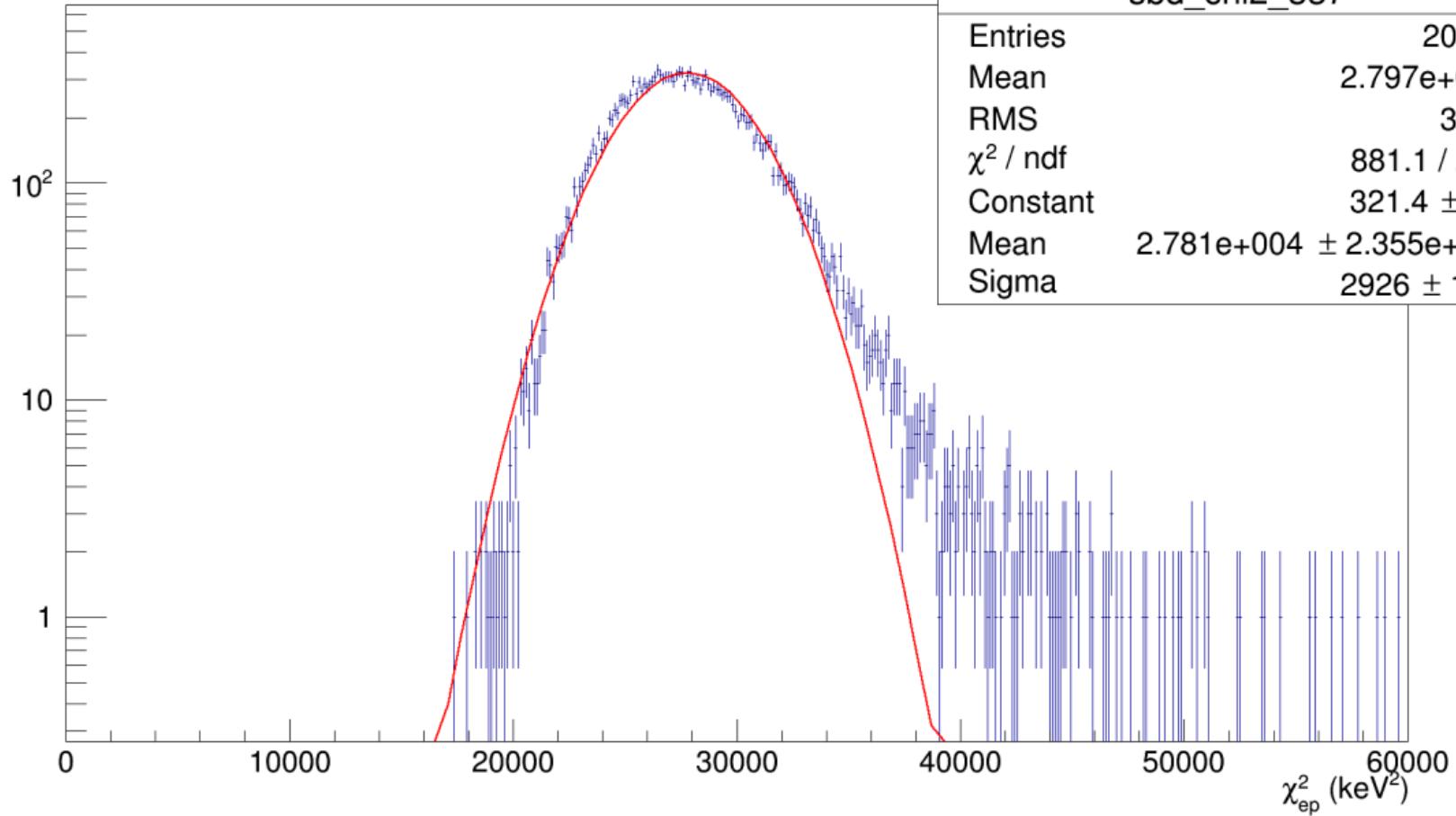
probability



sbd_chi2_336	
Entries	20591
Mean	2.794e+004
RMS	3418
χ^2 / ndf	773.9 / 240
Constant	318.4 ± 2.8
Mean	2.778e+004 ± 2.345e+001
Sigma	2979 ± 16.2

χ^2_{ep} from 337.00 keV to 338.00 keV

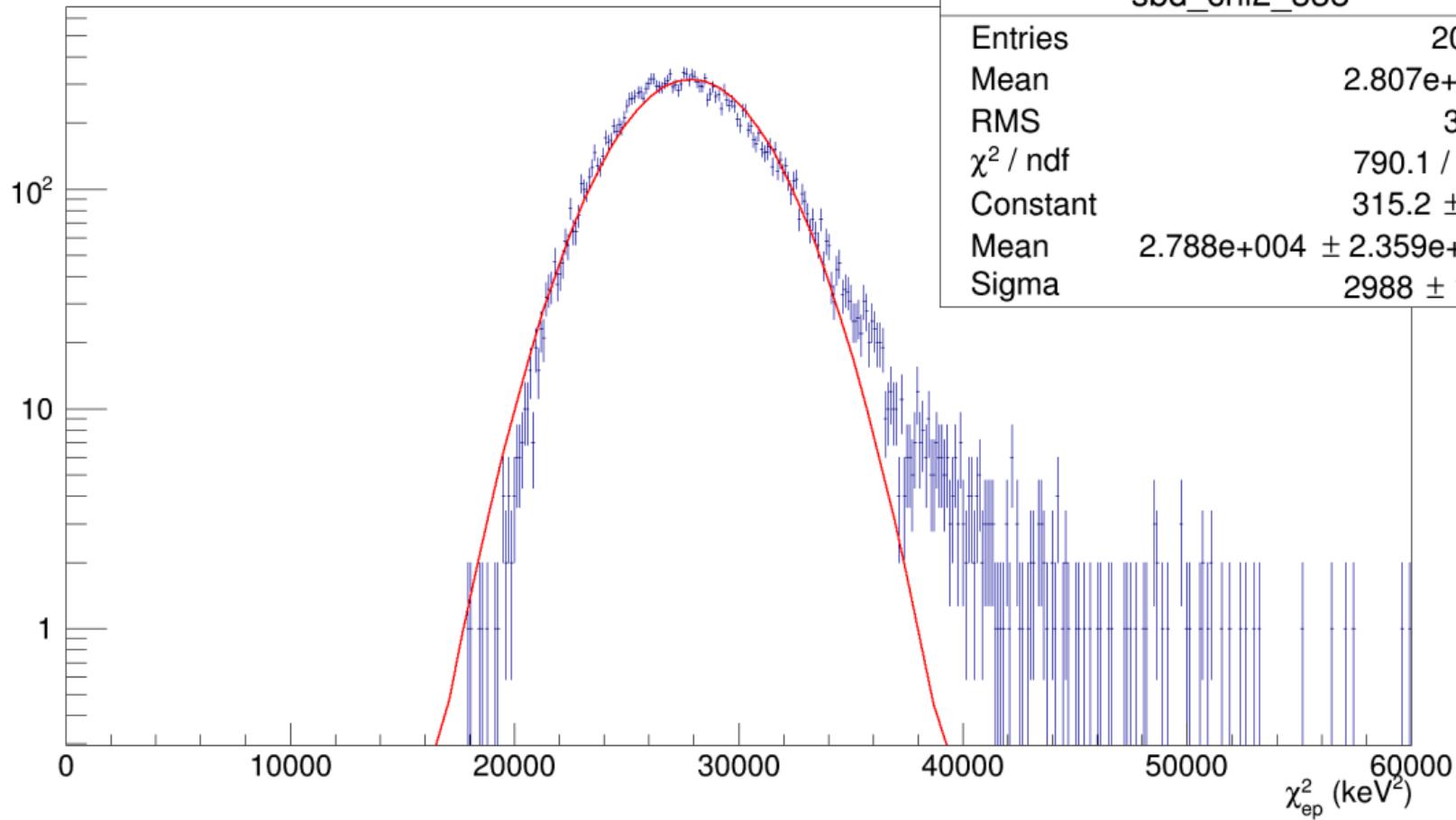
probability



sbd_chi2_337	
Entries	20534
Mean	2.797e+004
RMS	3450
χ^2 / ndf	881.1 / 248
Constant	321.4 ± 2.9
Mean	2.781e+004 ± 2.355e+001
Sigma	2926 ± 15.5

χ^2_{ep} from 338.00 keV to 339.00 keV

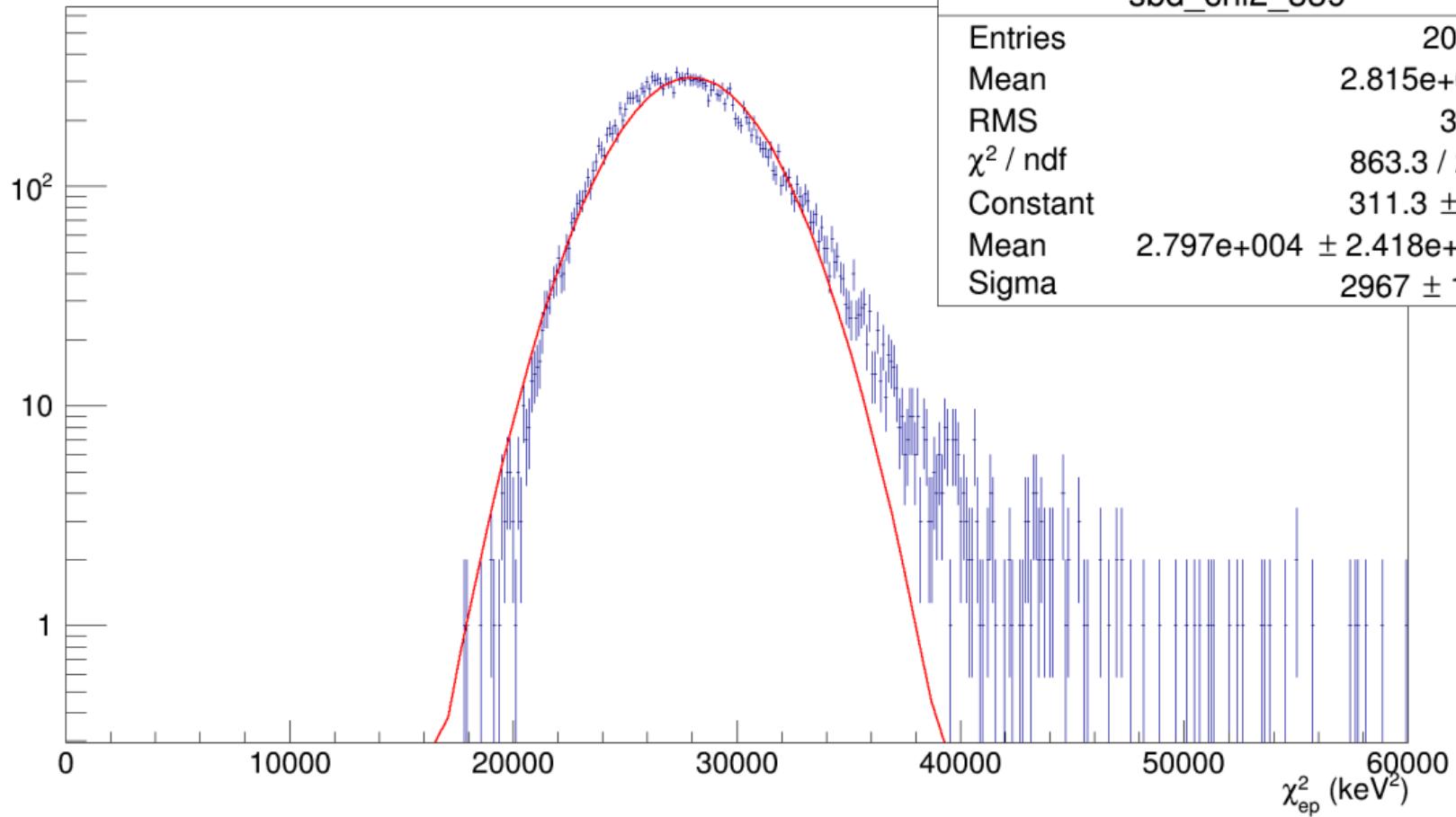
probability



sbd_chi2_338	
Entries	20461
Mean	2.807e+004
RMS	3459
χ^2 / ndf	790.1 / 247
Constant	315.2 ± 2.8
Mean	2.788e+004 ± 2.359e+001
Sigma	2988 ± 16.3

χ^2_{ep} from 339.00 keV to 340.00 keV

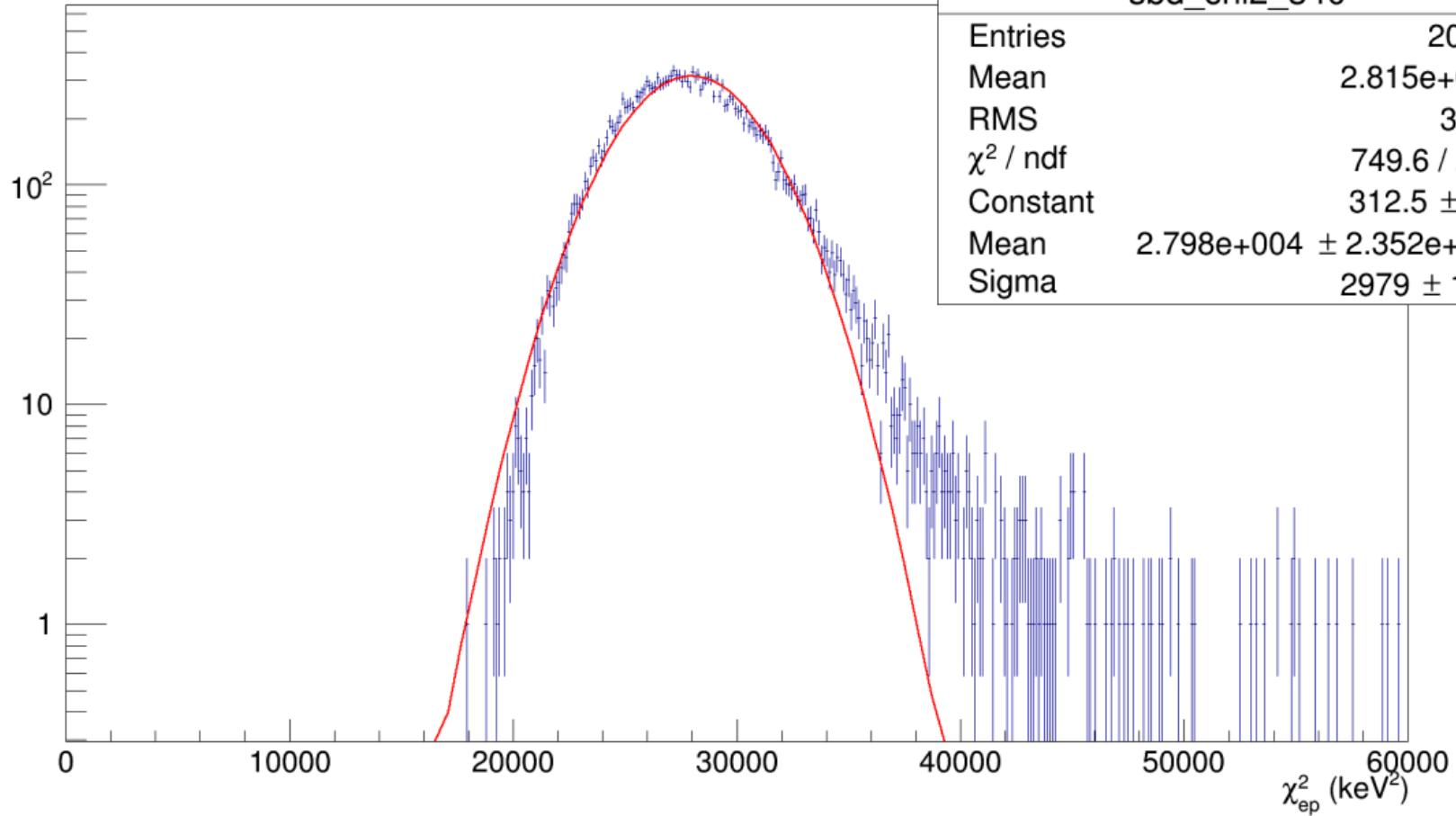
probability



sbd_chi2_339	
Entries	20177
Mean	2.815e+004
RMS	3454
χ^2 / ndf	863.3 / 237
Constant	311.3 ± 2.8
Mean	2.797e+004 ± 2.418e+001
Sigma	2967 ± 16.6

χ^2_{ep} from 340.00 keV to 341.00 keV

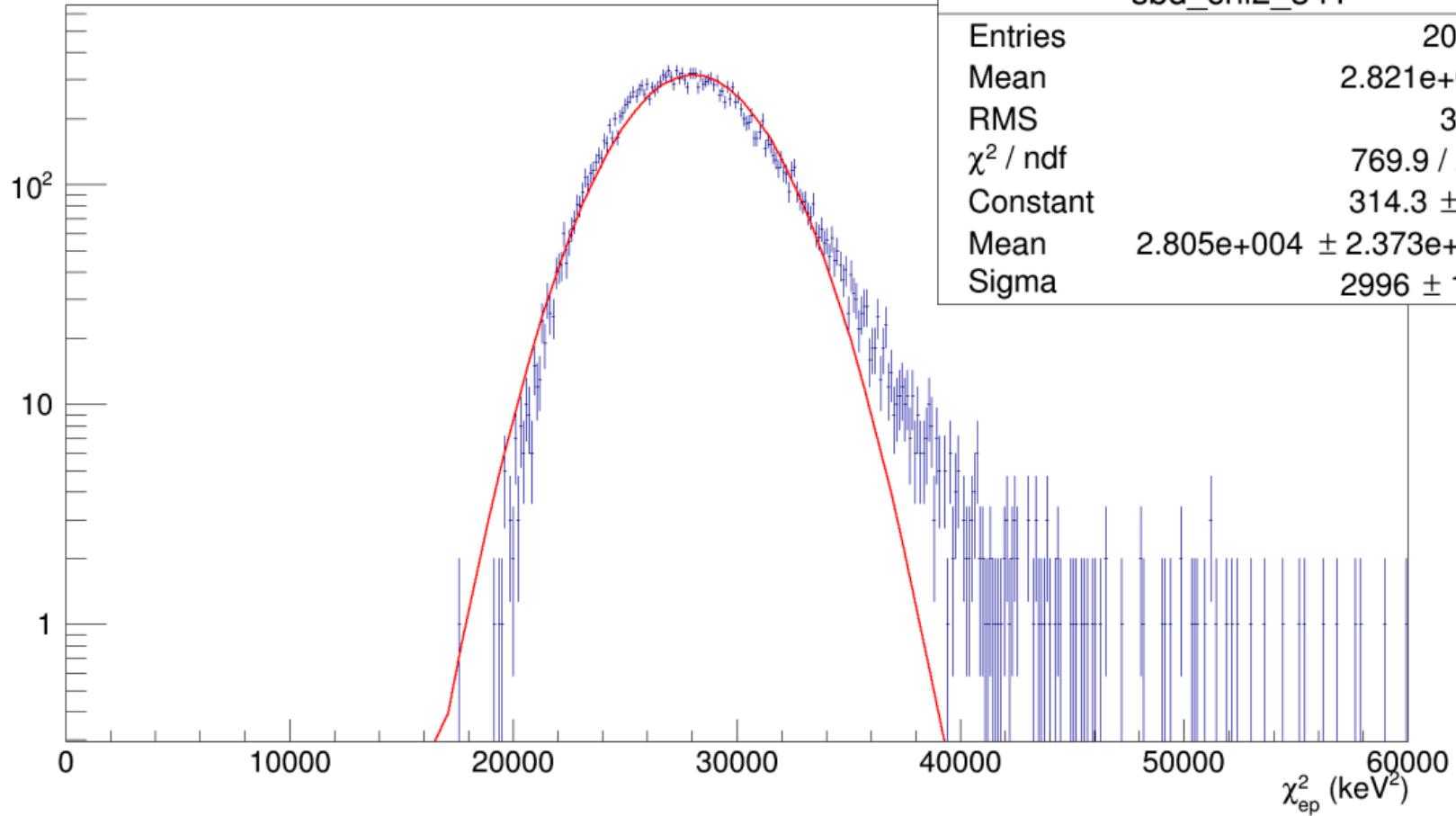
probability



sbd_chi2_340	
Entries	20201
Mean	2.815e+004
RMS	3446
χ^2 / ndf	749.6 / 242
Constant	312.5 ± 2.8
Mean	2.798e+004 ± 2.352e+001
Sigma	2979 ± 16.5

χ^2_{ep} from 341.00 keV to 342.00 keV

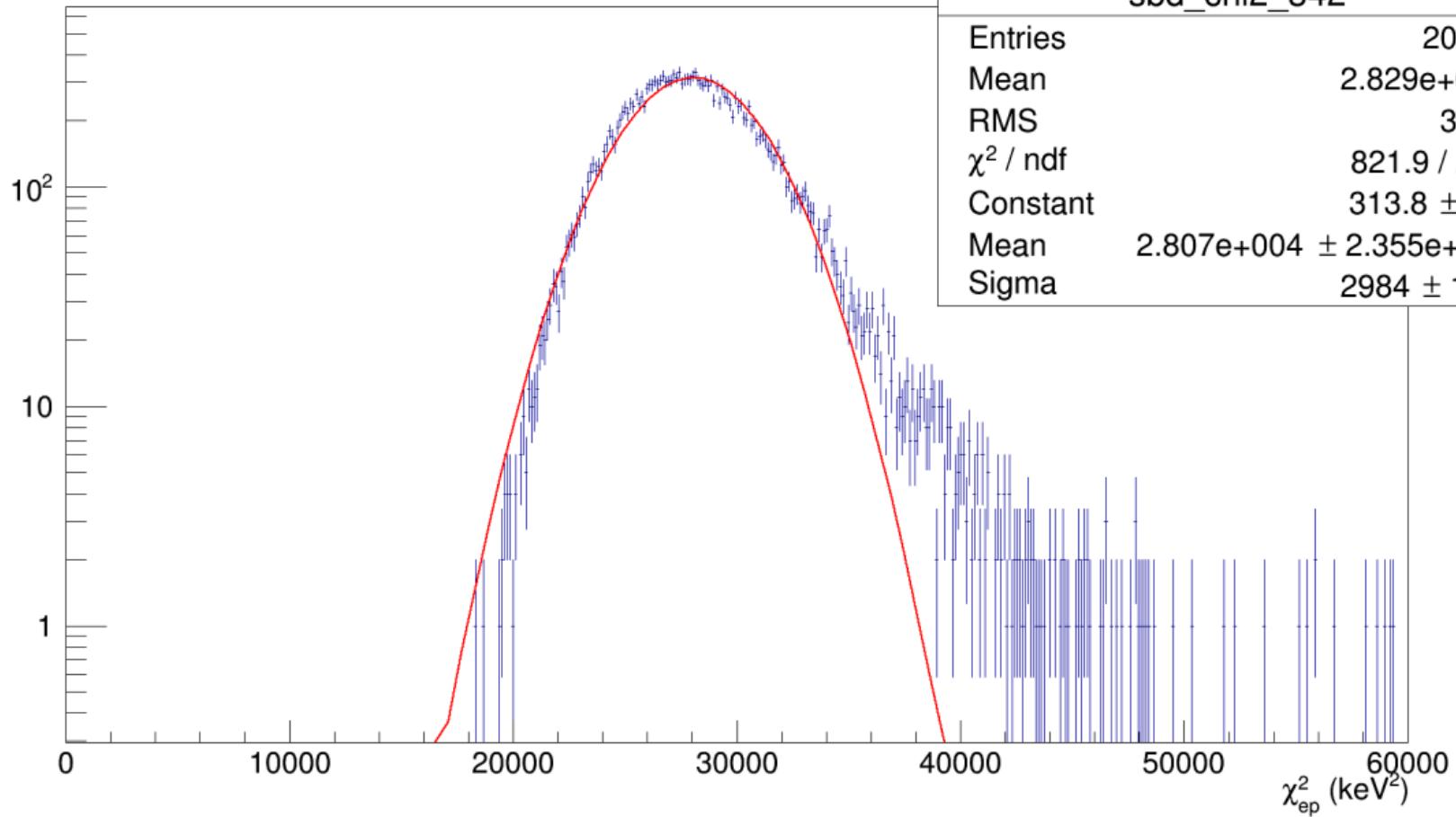
probability



sbd_chi2_341	
Entries	20426
Mean	2.821e+004
RMS	3427
χ^2 / ndf	769.9 / 238
Constant	314.3 ± 2.8
Mean	2.805e+004 ± 2.373e+001
Sigma	2996 ± 16.6

χ^2_{ep} from 342.00 keV to 343.00 keV

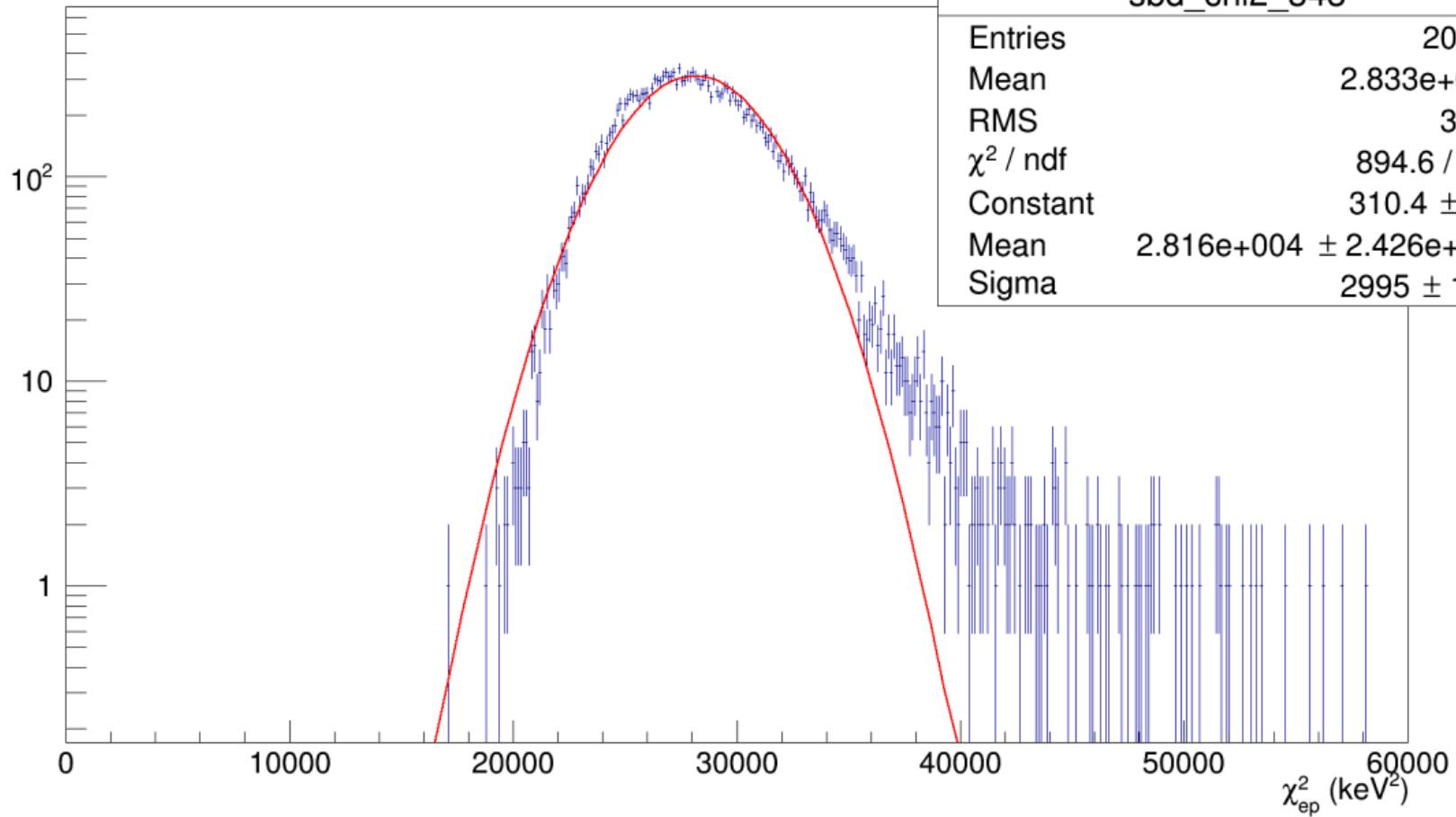
probability



sbd_chi2_342	
Entries	20368
Mean	2.829e+004
RMS	3476
χ^2 / ndf	821.9 / 240
Constant	313.8 ± 2.8
Mean	2.807e+004 ± 2.355e+001
Sigma	2984 ± 16.8

χ^2_{ep} from 343.00 keV to 344.00 keV

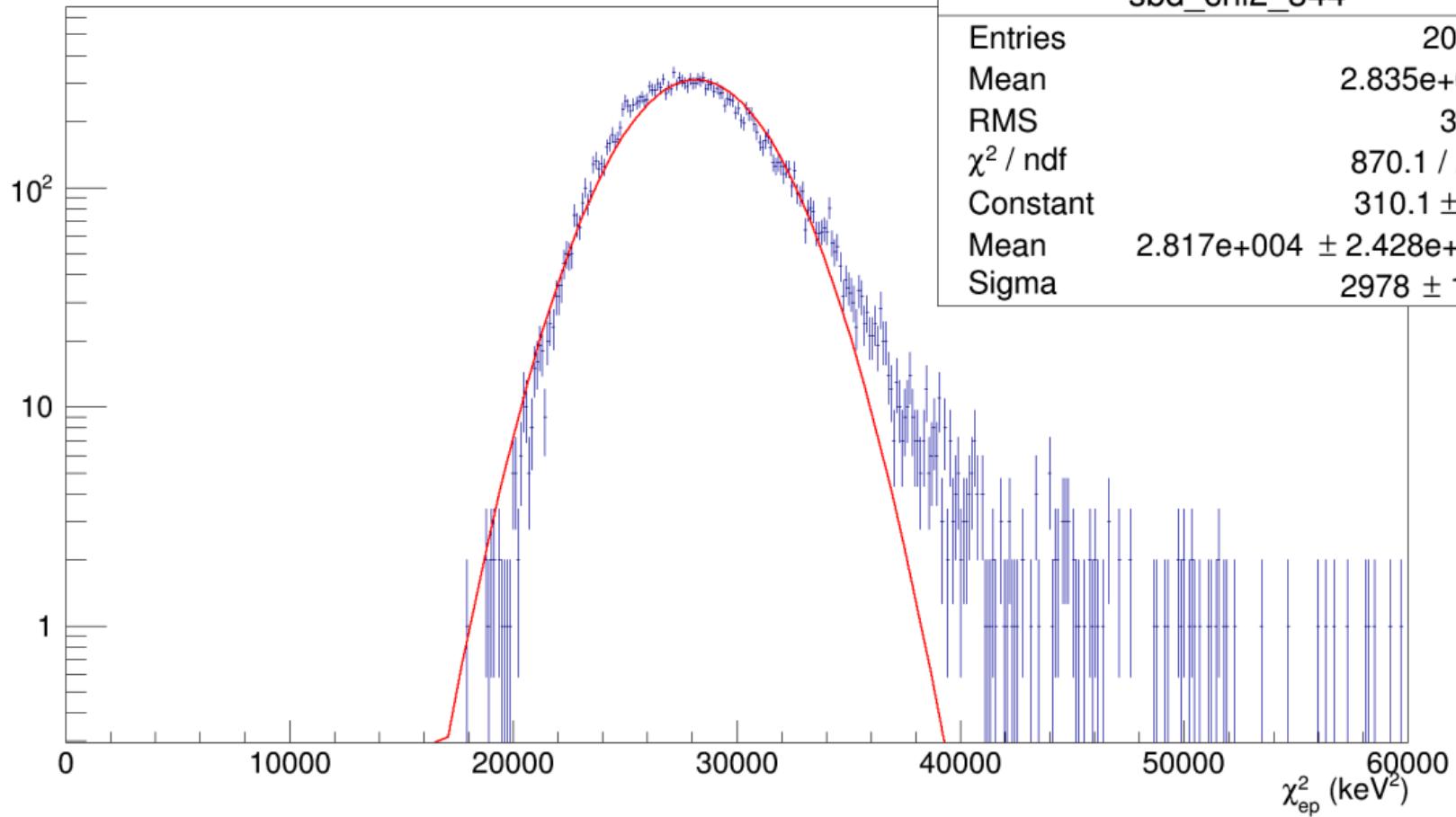
probability



sbd_chi2_343	
Entries	20313
Mean	2.833e+004
RMS	3476
χ^2 / ndf	894.6 / 241
Constant	310.4 ± 2.8
Mean	2.816e+004 ± 2.426e+001
Sigma	2995 ± 16.9

χ^2_{ep} from 344.00 keV to 345.00 keV

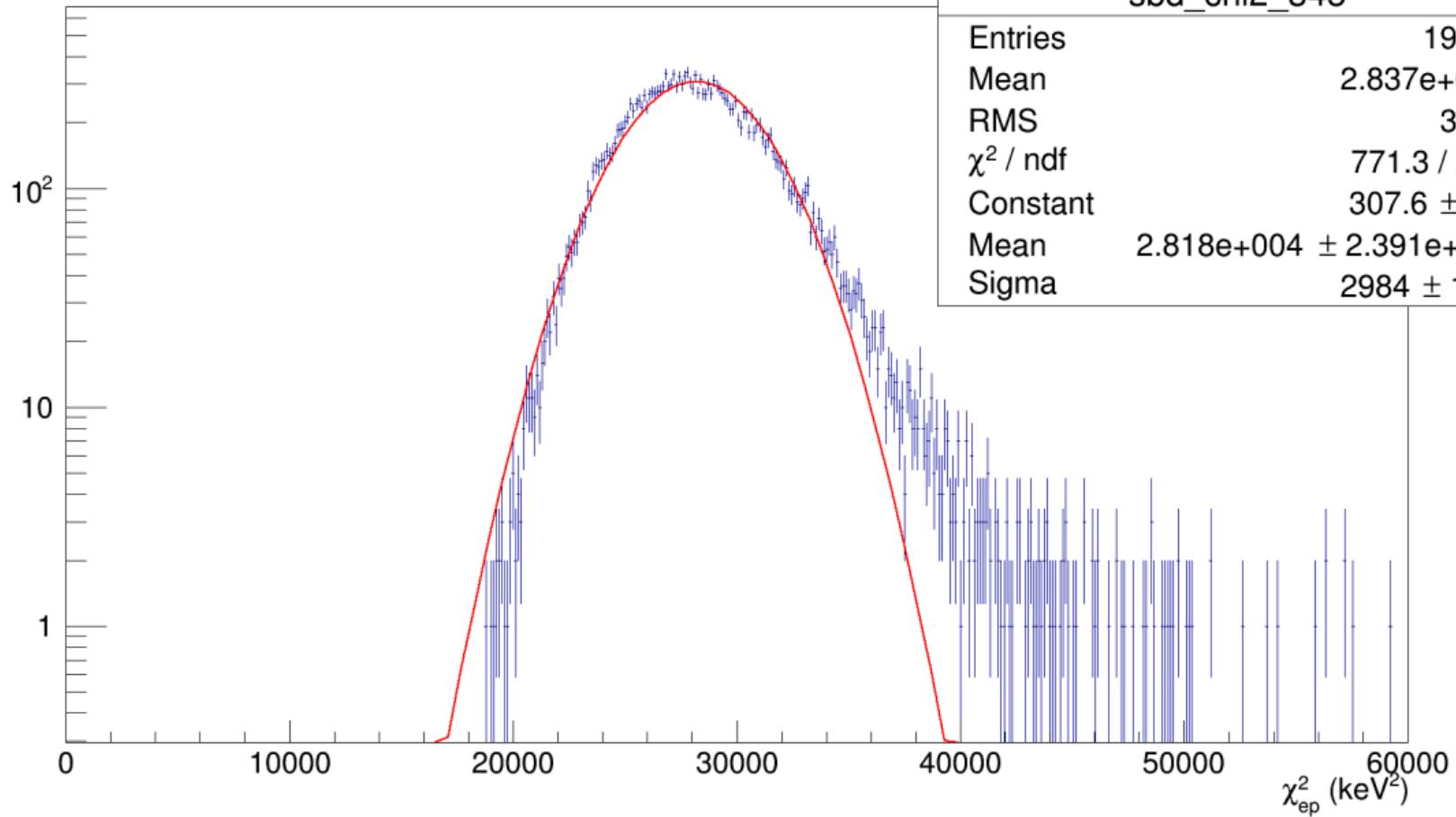
probability



sbd_chi2_344	
Entries	20178
Mean	2.835e+004
RMS	3500
χ^2 / ndf	870.1 / 246
Constant	310.1 ± 2.8
Mean	2.817e+004 ± 2.428e+001
Sigma	2978 ± 16.4

χ^2_{ep} from 345.00 keV to 346.00 keV

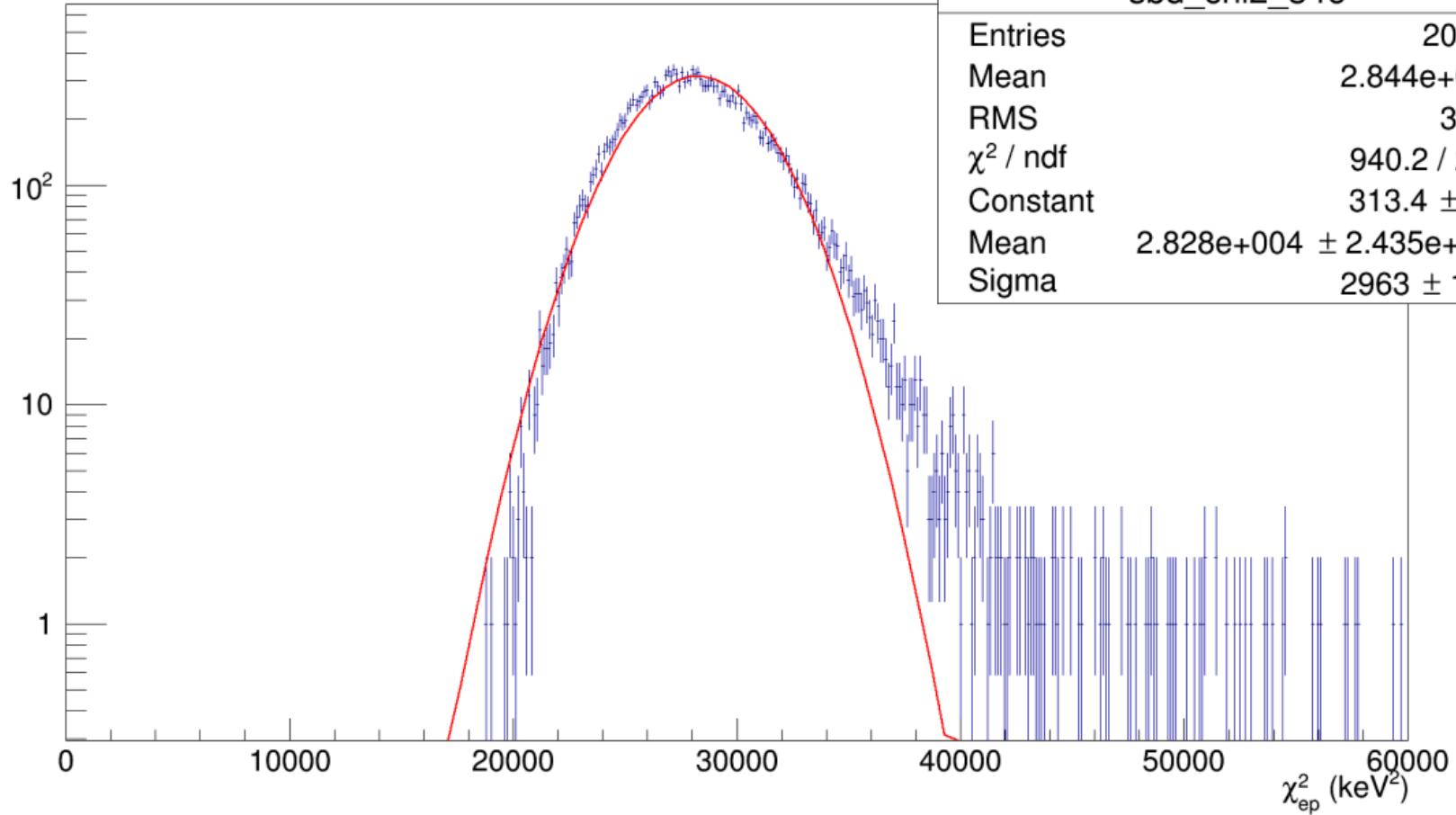
probability



sbd_chi2_345	
Entries	19967
Mean	2.837e+004
RMS	3457
χ^2 / ndf	771.3 / 243
Constant	307.6 ± 2.8
Mean	2.818e+004 ± 2.391e+001
Sigma	2984 ± 16.5

χ^2_{ep} from 346.00 keV to 347.00 keV

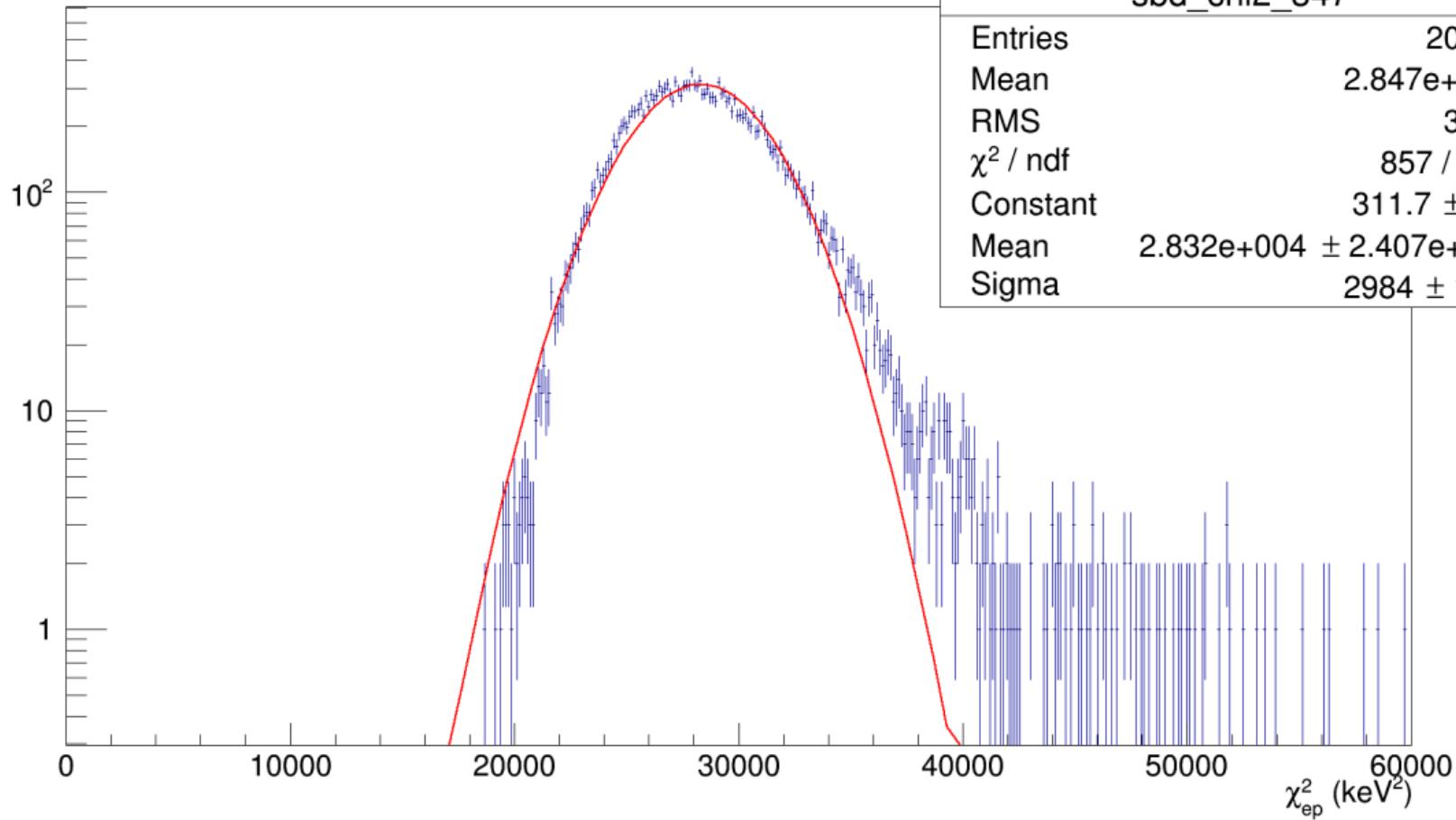
probability



sbd_chi2_346	
Entries	20342
Mean	2.844e+004
RMS	3497
χ^2 / ndf	940.2 / 247
Constant	313.4 ± 2.8
Mean	2.828e+004 ± 2.435e+001
Sigma	2963 ± 16.2

χ^2_{ep} from 347.00 keV to 348.00 keV

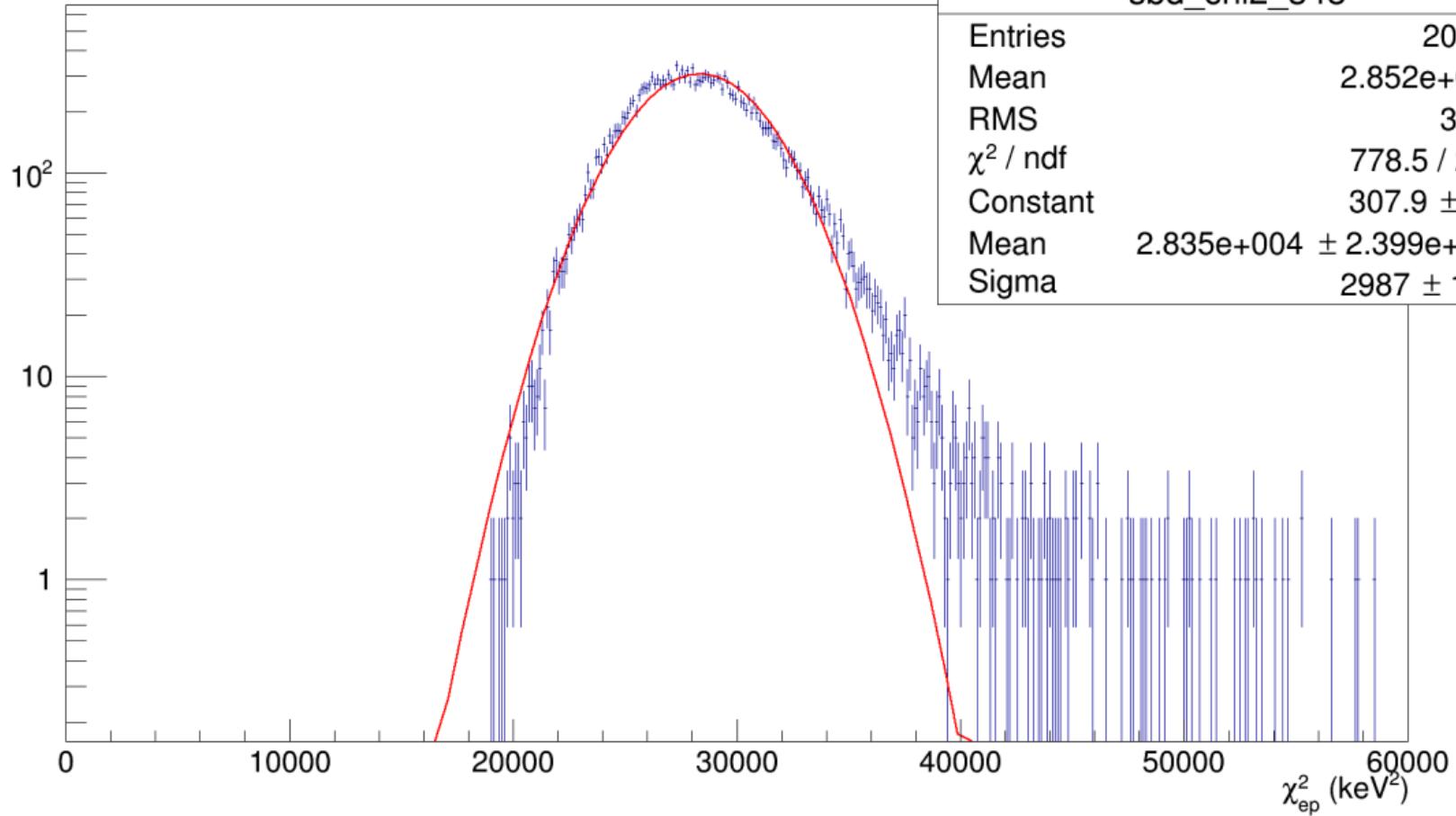
probability



sbd_chi2_347	
Entries	20284
Mean	2.847e+004
RMS	3444
χ^2 / ndf	857 / 243
Constant	311.7 ± 2.8
Mean	2.832e+004 ± 2.407e+001
Sigma	2984 ± 16.2

χ^2_{ep} from 348.00 keV to 349.00 keV

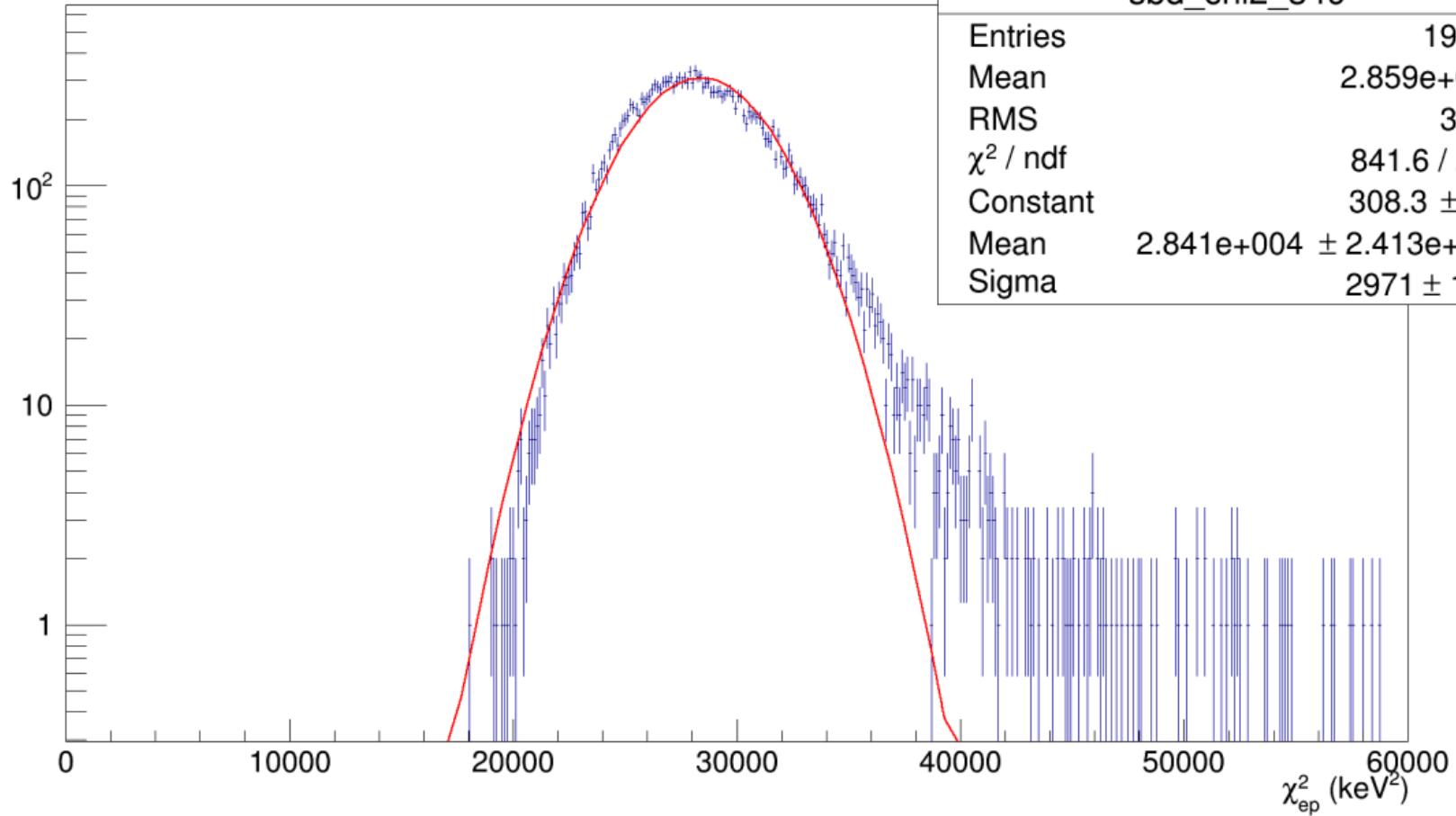
probability



sbd_chi2_348	
Entries	20005
Mean	2.852e+004
RMS	3465
χ^2 / ndf	778.5 / 247
Constant	307.9 ± 2.8
Mean	2.835e+004 ± 2.399e+001
Sigma	2987 ± 16.5

χ^2_{ep} from 349.00 keV to 350.00 keV

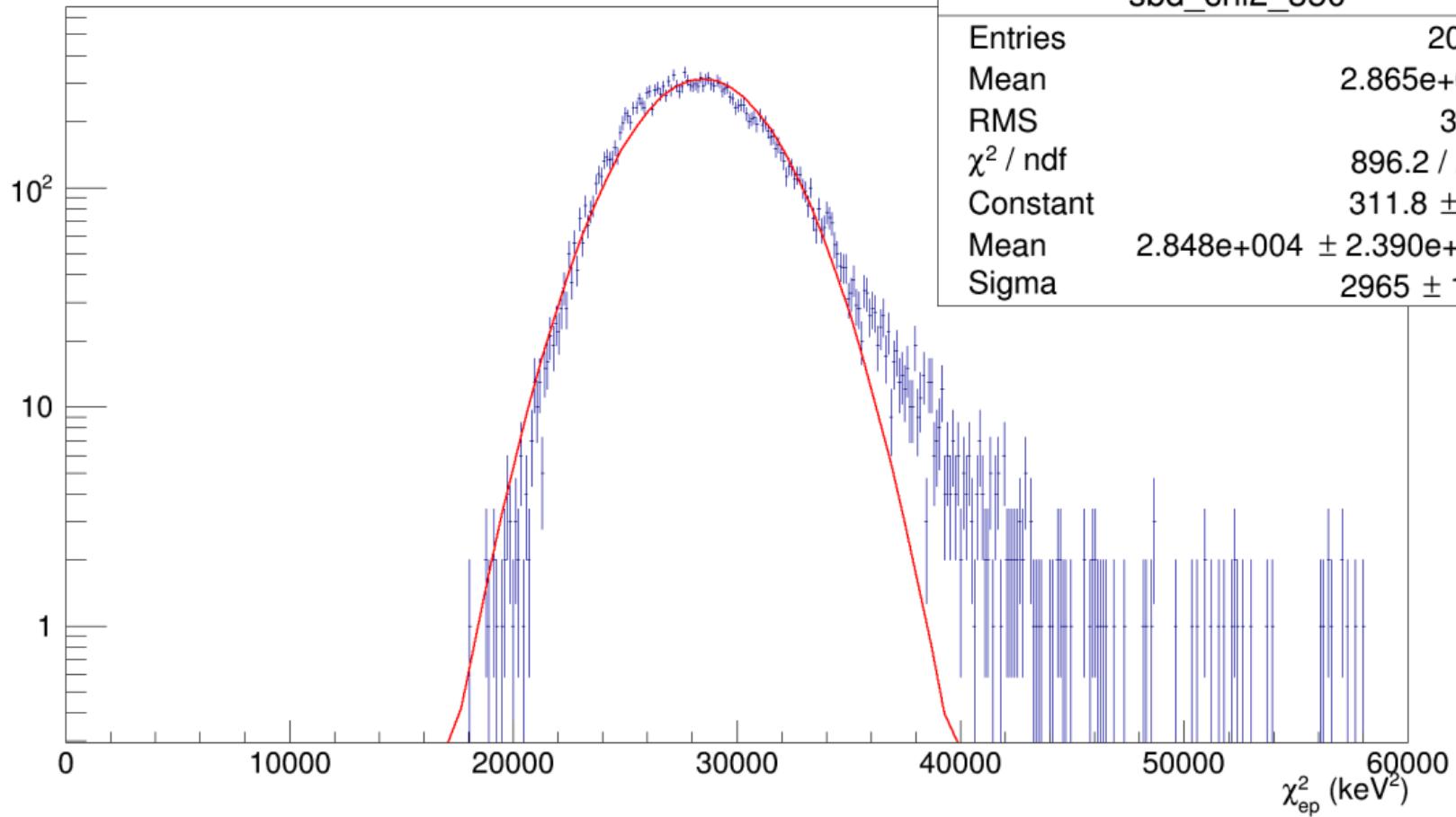
probability



sbd_chi2_349	
Entries	19999
Mean	2.859e+004
RMS	3495
χ^2 / ndf	841.6 / 248
Constant	308.3 ± 2.8
Mean	2.841e+004 ± 2.413e+001
Sigma	2971 ± 16.2

χ^2_{ep} from 350.00 keV to 351.00 keV

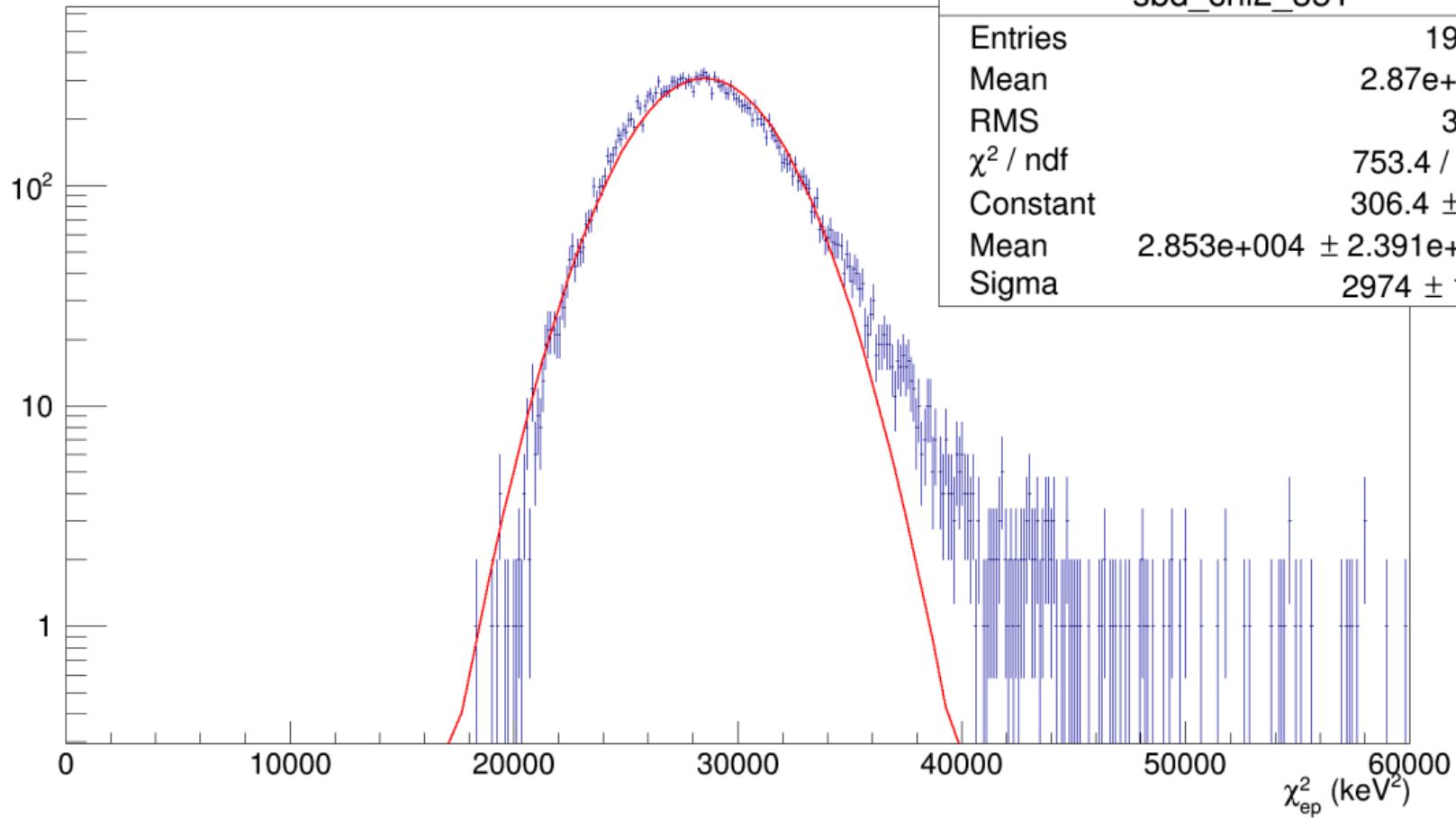
probability



sbd_chi2_350	
Entries	20231
Mean	2.865e+004
RMS	3494
χ^2 / ndf	896.2 / 246
Constant	311.8 ± 2.8
Mean	2.848e+004 ± 2.390e+001
Sigma	2965 ± 16.0

χ^2_{ep} from 351.00 keV to 352.00 keV

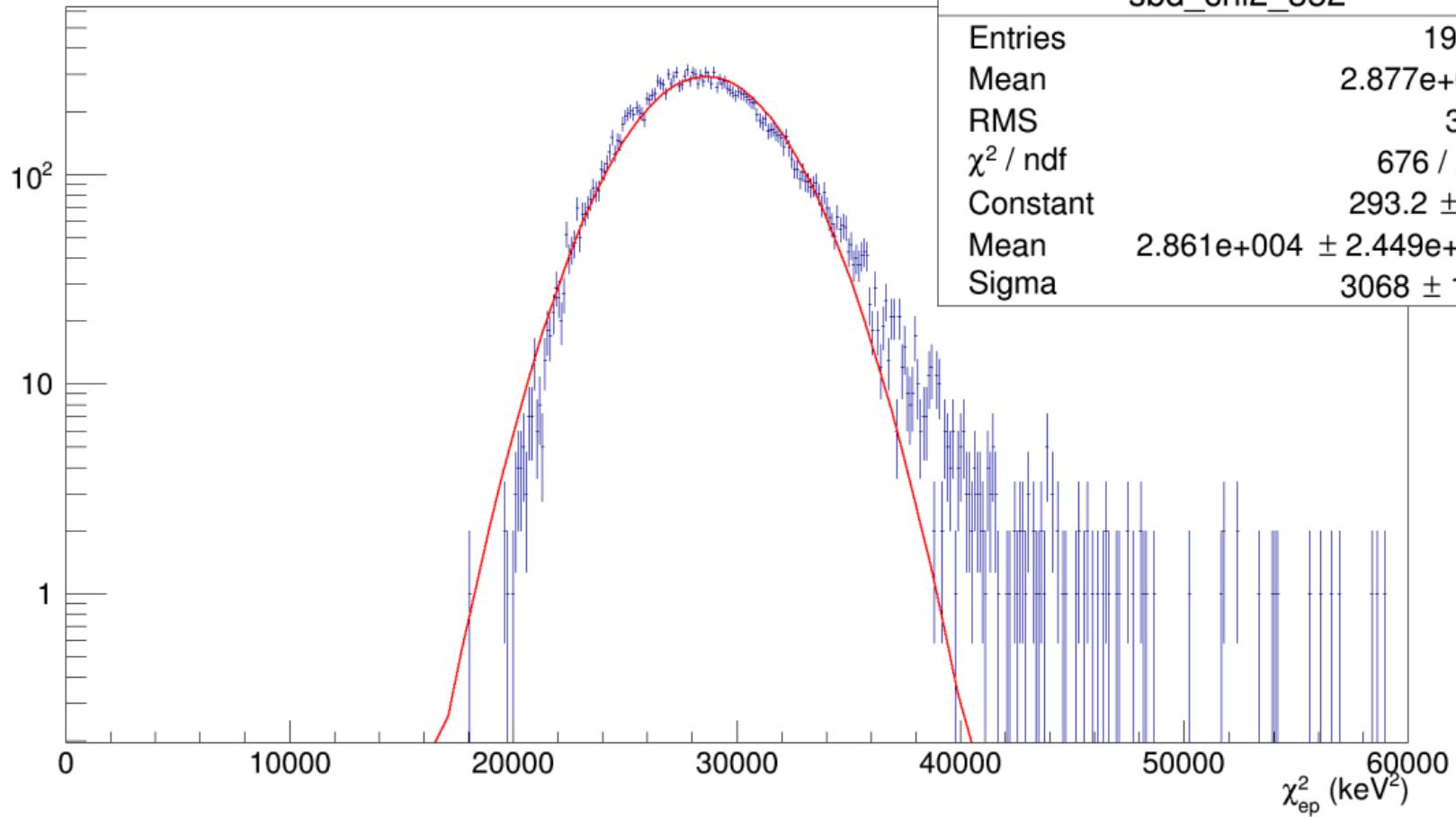
probability



sbd_chi2_351	
Entries	19794
Mean	2.87e+004
RMS	3505
χ^2 / ndf	753.4 / 253
Constant	306.4 ± 2.8
Mean	2.853e+004 ± 2.391e+001
Sigma	2974 ± 16.2

χ^2_{ep} from 352.00 keV to 353.00 keV

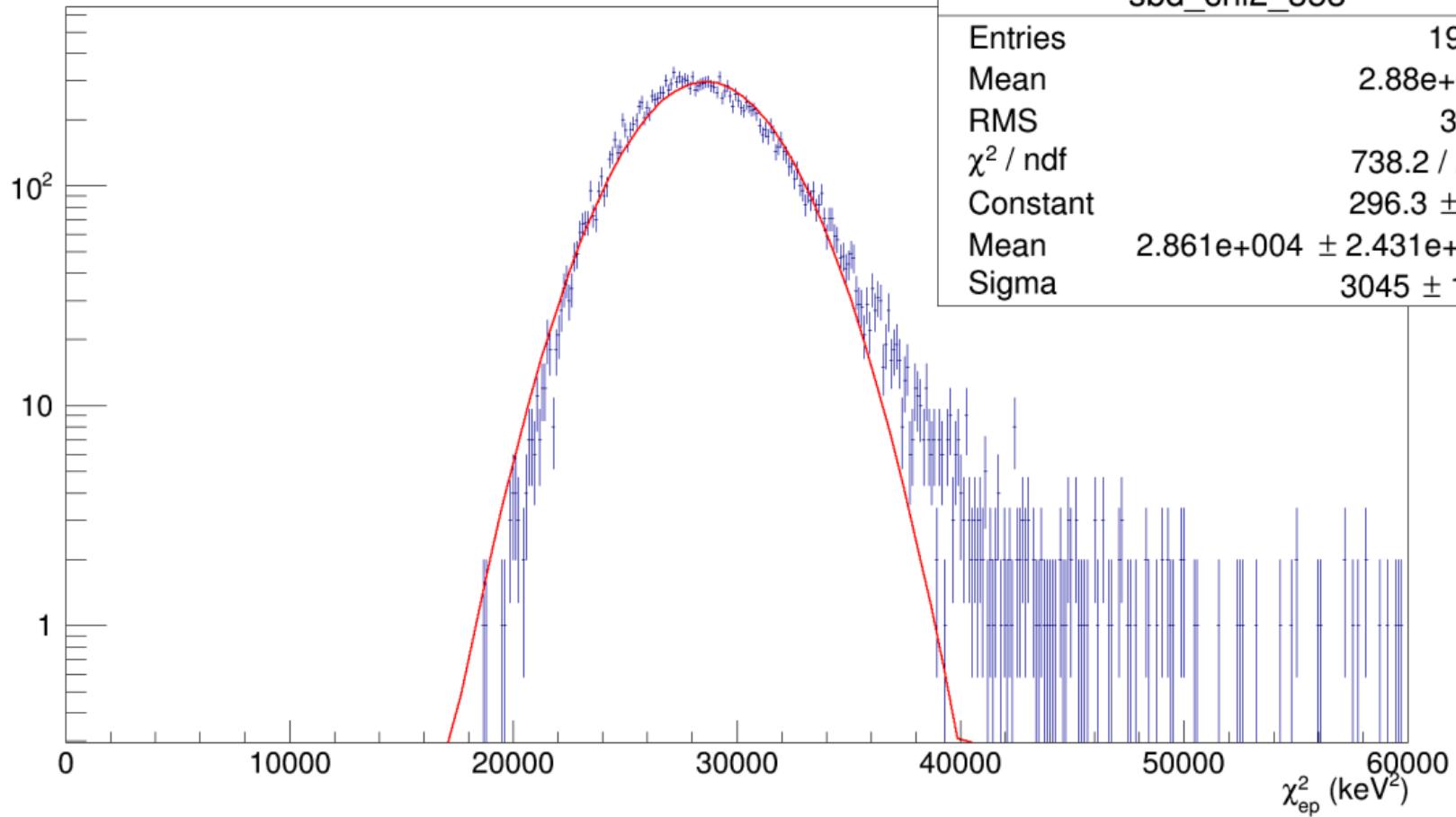
probability



sbd_chi2_352	
Entries	19460
Mean	2.877e+004
RMS	3461
χ^2 / ndf	676 / 232
Constant	293.2 ± 2.7
Mean	2.861e+004 ± 2.449e+001
Sigma	3068 ± 17.4

χ^2_{ep} from 353.00 keV to 354.00 keV

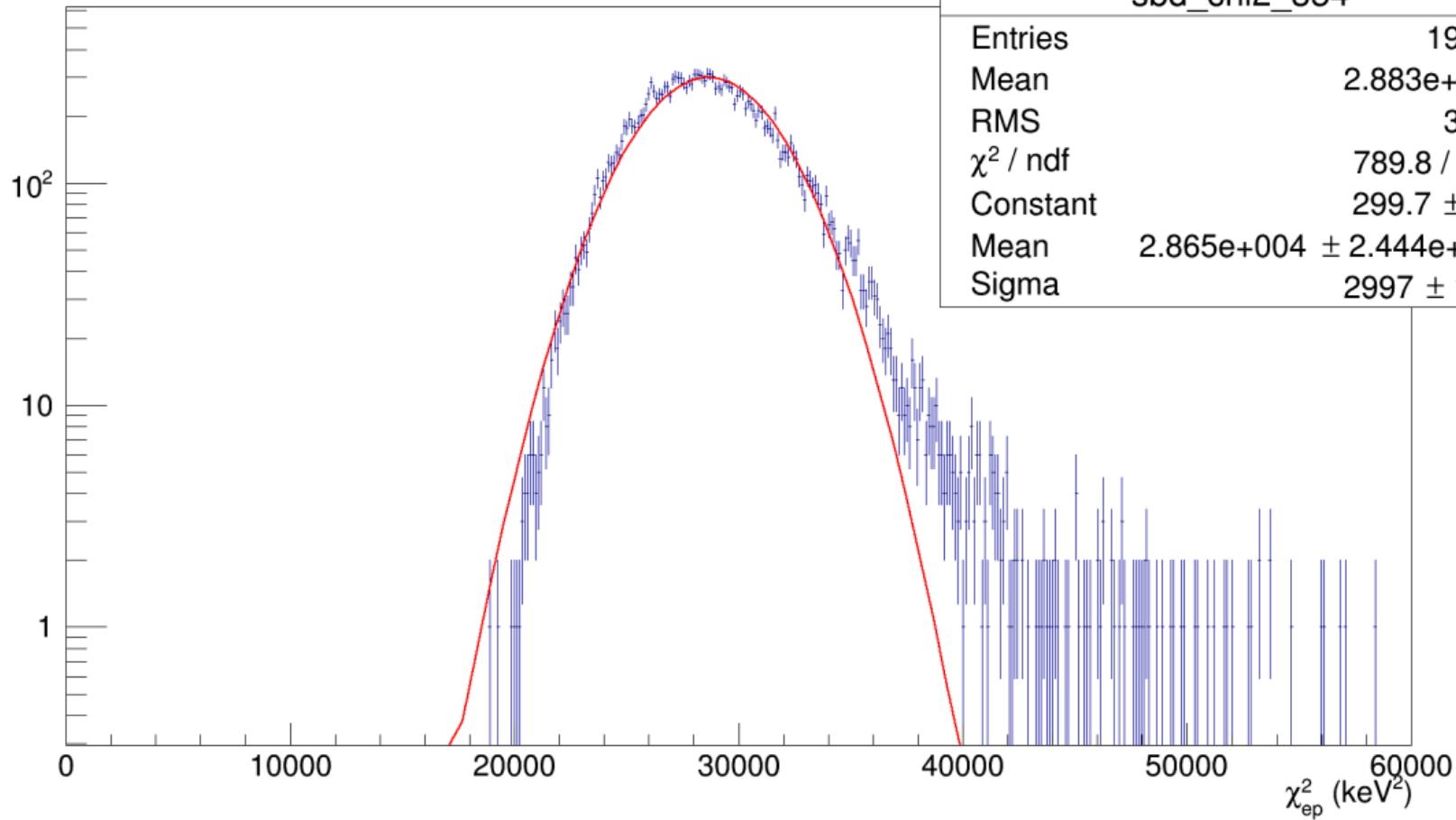
probability



sbd_chi2_353	
Entries	19581
Mean	2.88e+004
RMS	3546
χ^2 / ndf	738.2 / 253
Constant	296.3 ± 2.7
Mean	2.861e+004 ± 2.431e+001
Sigma	3045 ± 17.5

χ^2_{ep} from 354.00 keV to 355.00 keV

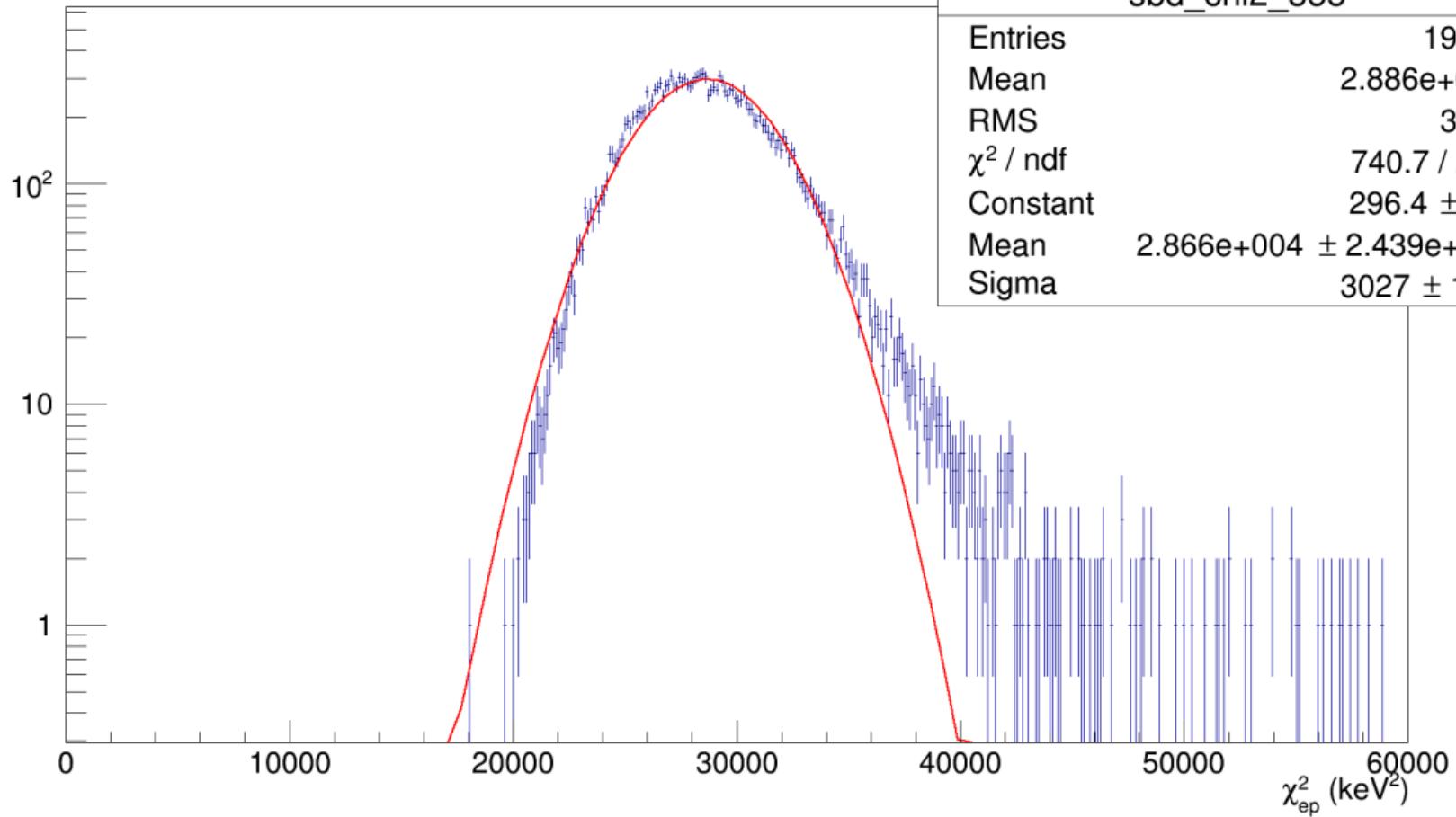
probability



sbd_chi2_354	
Entries	19554
Mean	2.883e+004
RMS	3460
χ^2 / ndf	789.8 / 244
Constant	299.7 ± 2.7
Mean	2.865e+004 ± 2.444e+001
Sigma	2997 ± 16.8

χ^2_{ep} from 355.00 keV to 356.00 keV

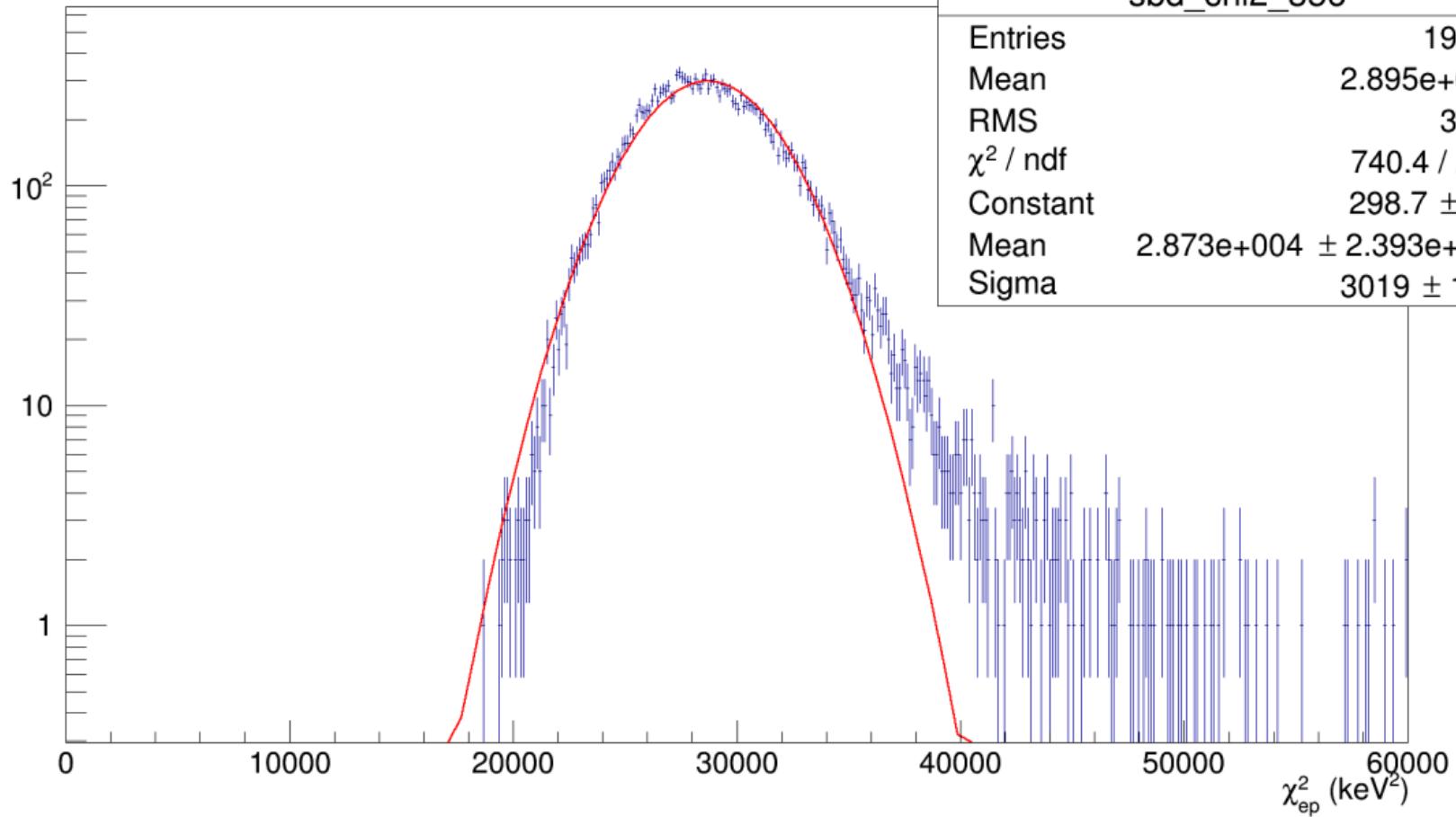
probability



sbd_chi2_355	
Entries	19472
Mean	2.886e+004
RMS	3487
χ^2 / ndf	740.7 / 238
Constant	296.4 ± 2.8
Mean	2.866e+004 ± 2.439e+001
Sigma	3027 ± 17.6

χ^2_{ep} from 356.00 keV to 357.00 keV

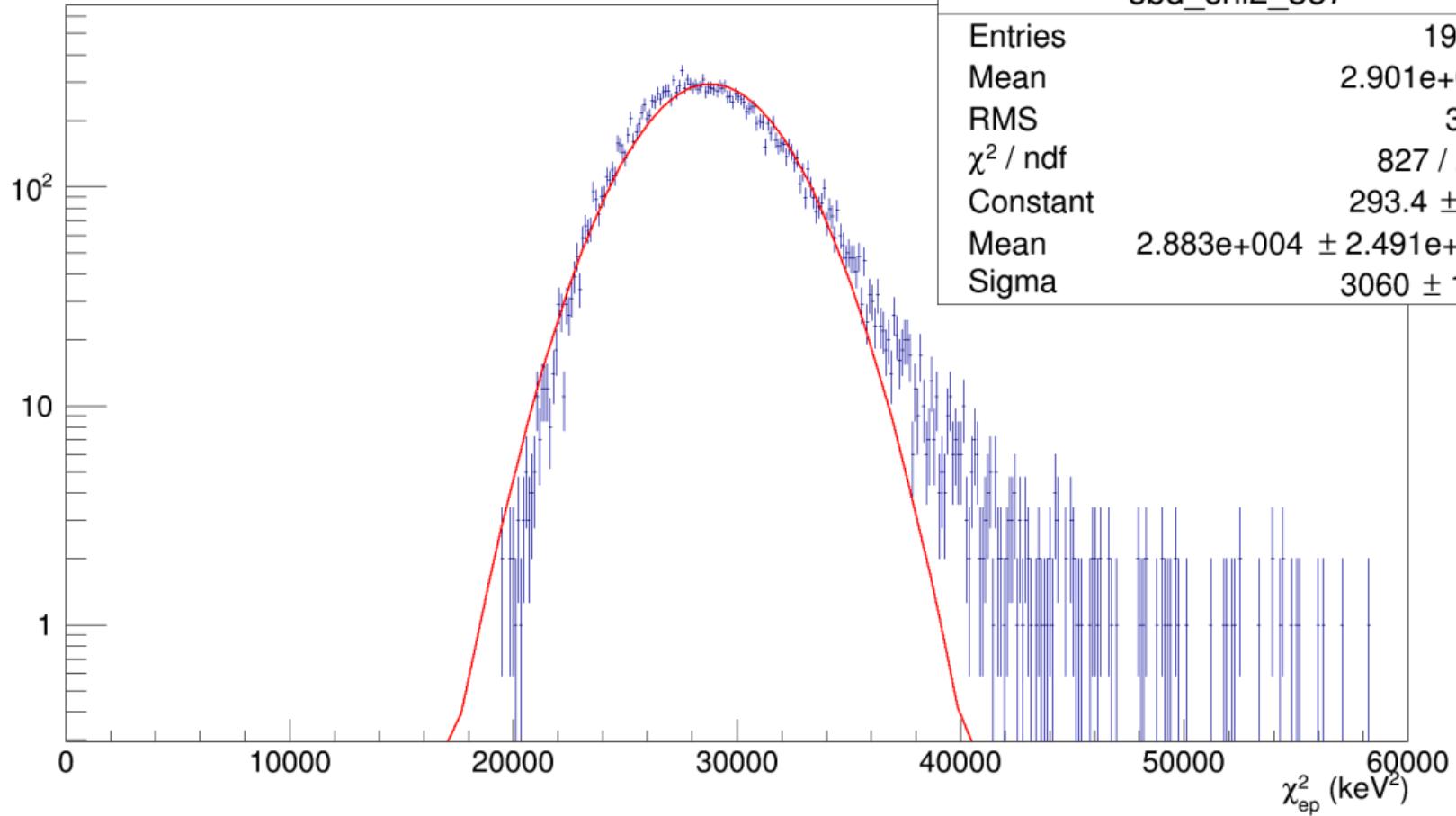
probability



sbd_chi2_356	
Entries	19589
Mean	2.895e+004
RMS	3579
χ^2 / ndf	740.4 / 256
Constant	298.7 ± 2.7
Mean	2.873e+004 ± 2.393e+001
Sigma	3019 ± 16.9

χ^2_{ep} from 357.00 keV to 358.00 keV

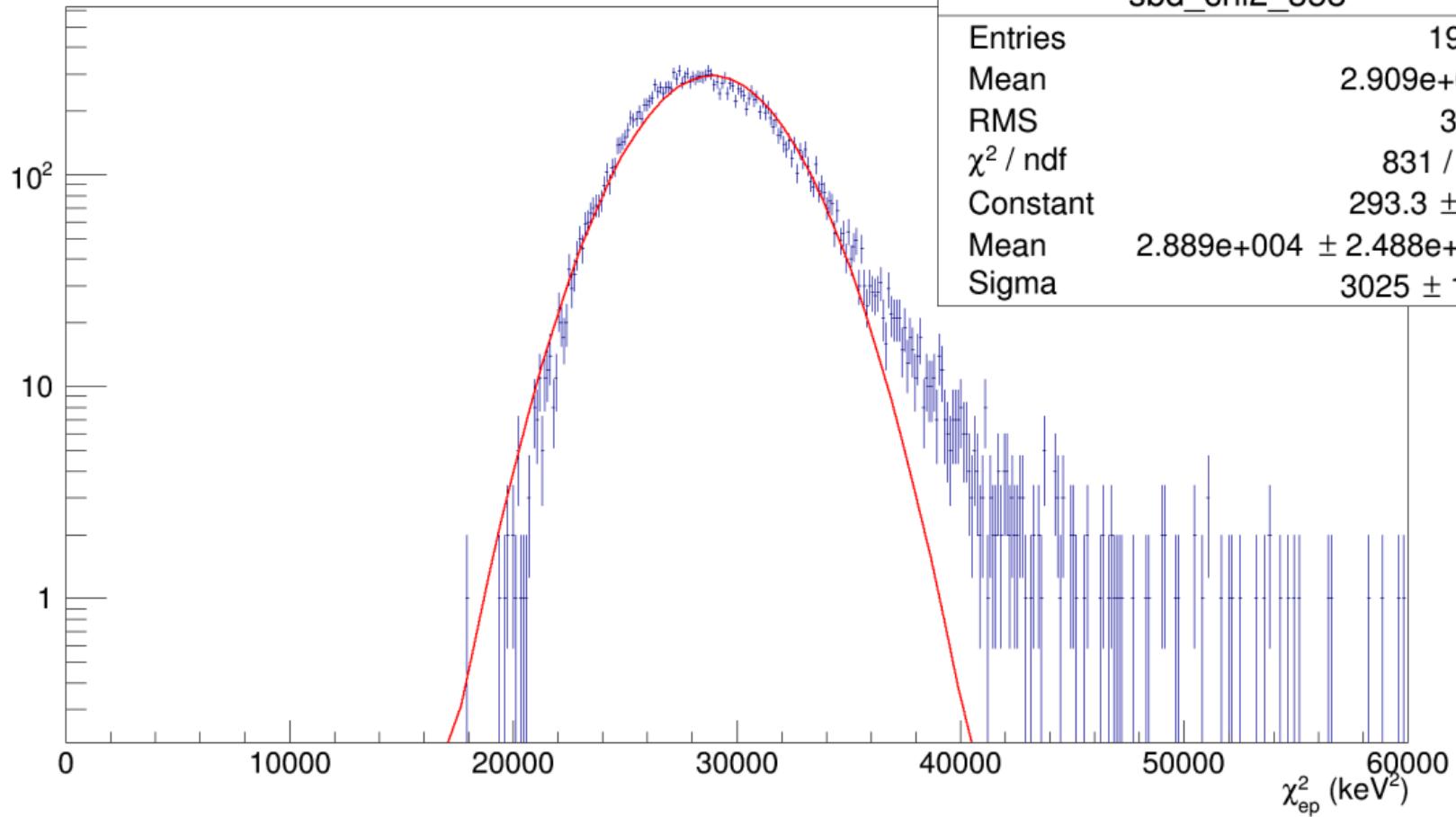
probability



sbd_chi2_357	
Entries	19580
Mean	2.901e+004
RMS	3541
χ^2 / ndf	827 / 245
Constant	293.4 ± 2.7
Mean	2.883e+004 ± 2.491e+001
Sigma	3060 ± 17.5

χ^2_{ep} from 358.00 keV to 359.00 keV

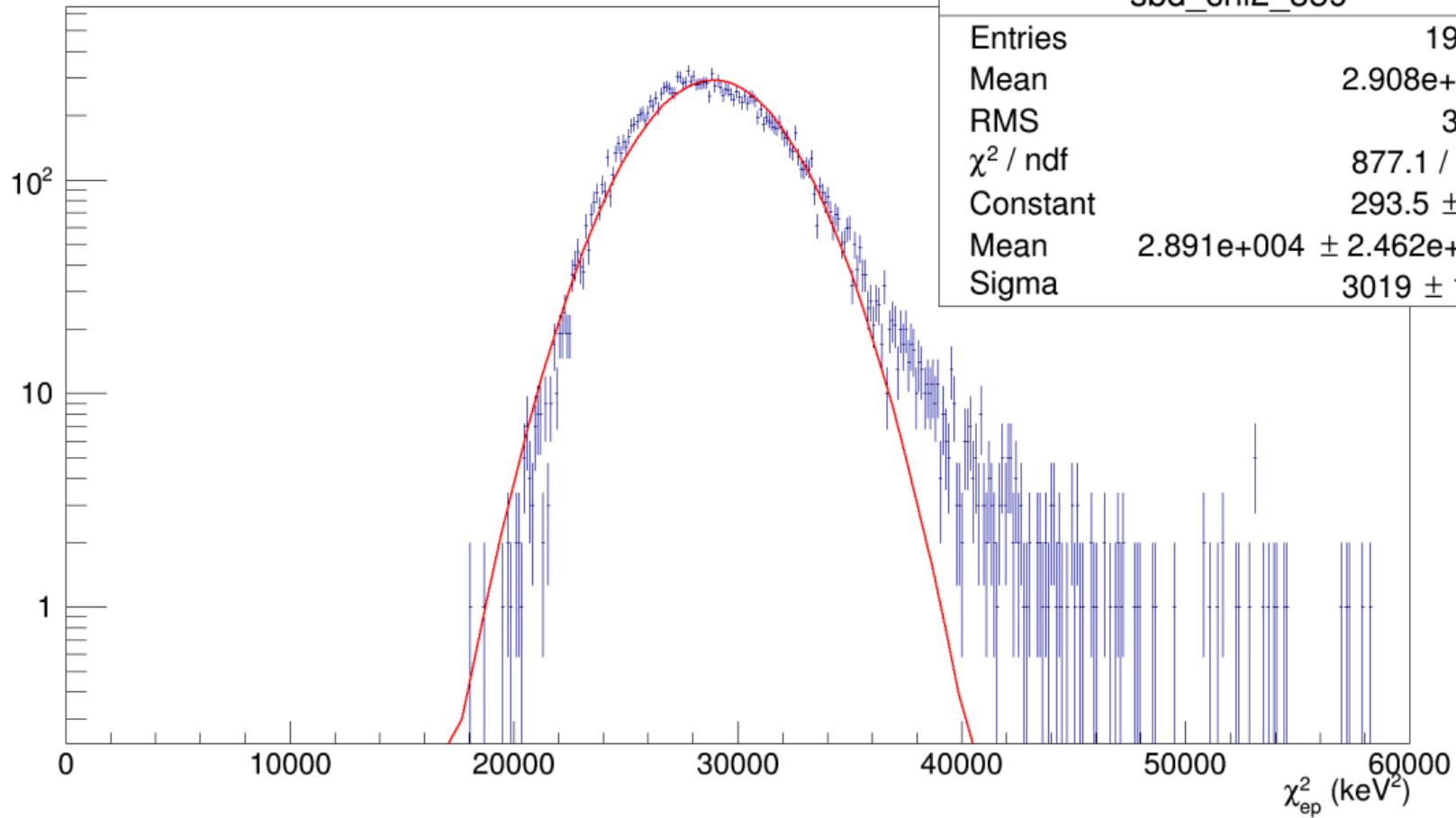
probability



sbd_chi2_358	
Entries	19361
Mean	2.909e+004
RMS	3534
χ^2 / ndf	831 / 241
Constant	293.3 ± 2.7
Mean	2.889e+004 ± 2.488e+001
Sigma	3025 ± 16.9

χ^2_{ep} from 359.00 keV to 360.00 keV

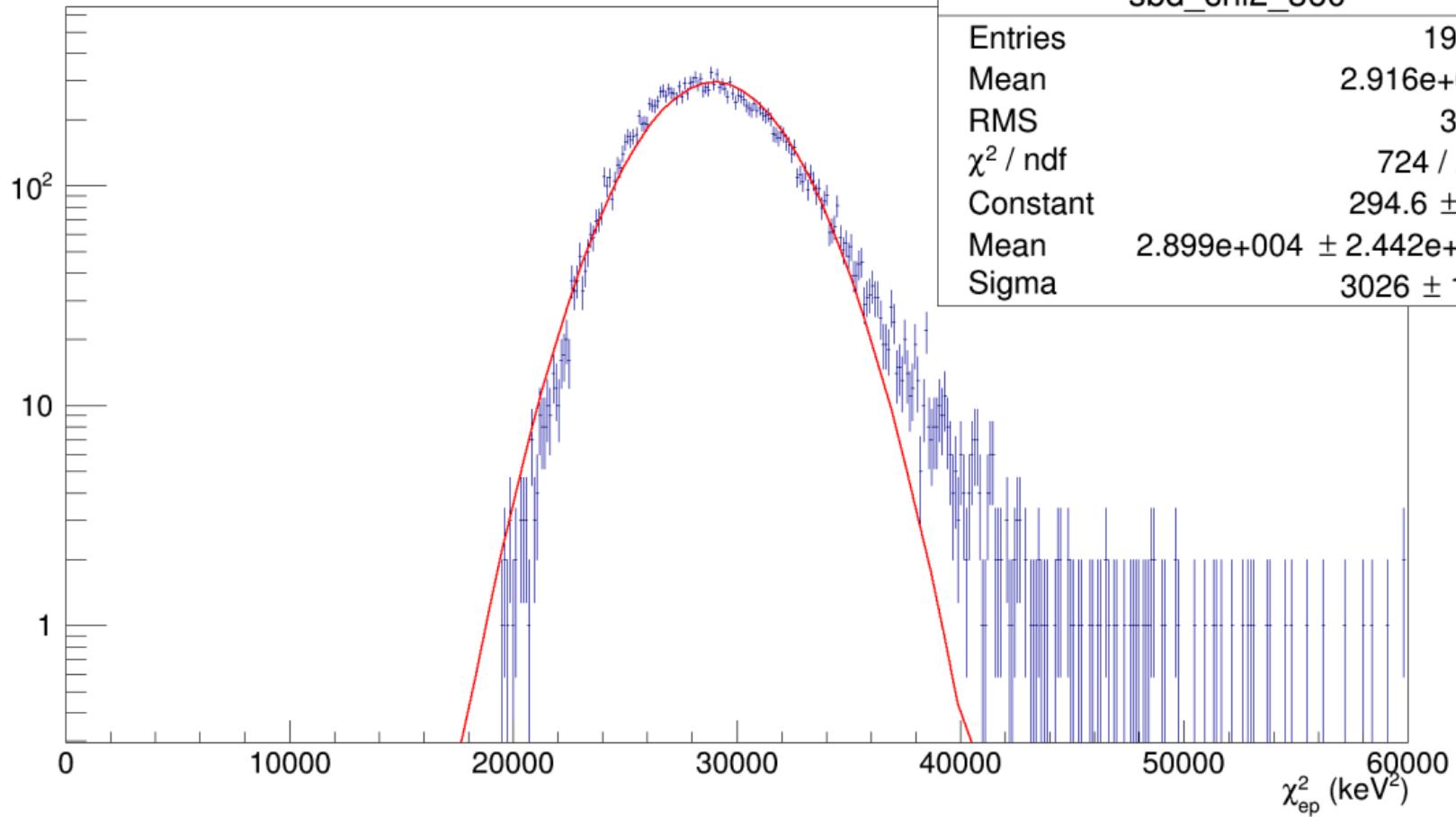
probability



sbd_chi2_359	
Entries	19402
Mean	2.908e+004
RMS	3525
χ^2 / ndf	877.1 / 244
Constant	293.5 ± 2.7
Mean	2.891e+004 ± 2.462e+001
Sigma	3019 ± 16.7

χ^2_{ep} from 360.00 keV to 361.00 keV

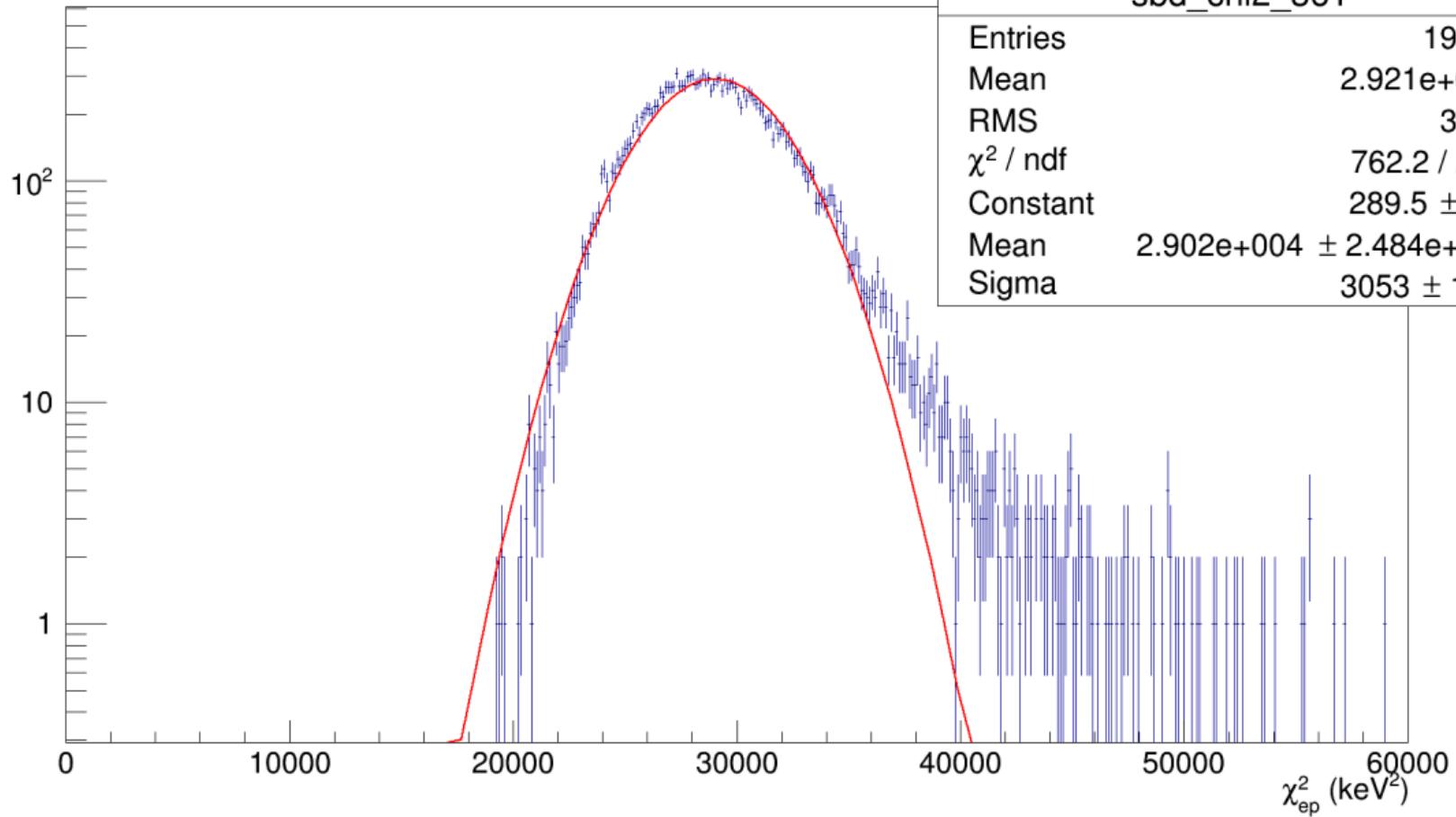
probability



sbd_chi2_360	
Entries	19348
Mean	2.916e+004
RMS	3482
χ^2 / ndf	724 / 248
Constant	294.6 ± 2.7
Mean	2.899e+004 ± 2.442e+001
Sigma	3026 ± 17.0

χ^2_{ep} from 361.00 keV to 362.00 keV

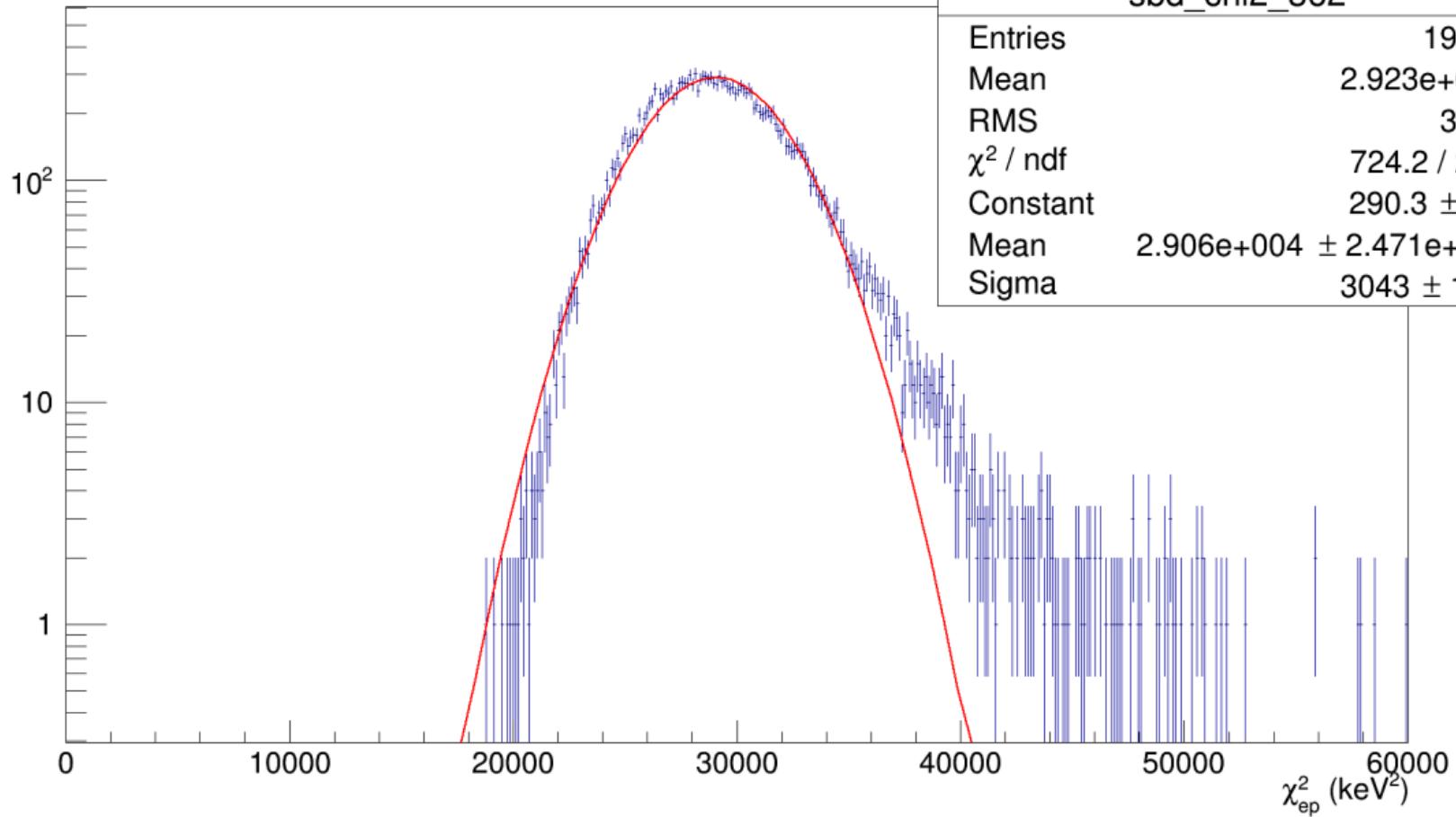
probability



sbd_chi2_361	
Entries	19227
Mean	2.921e+004
RMS	3546
χ^2 / ndf	762.2 / 246
Constant	289.5 ± 2.7
Mean	2.902e+004 ± 2.484e+001
Sigma	3053 ± 17.4

χ^2_{ep} from 362.00 keV to 363.00 keV

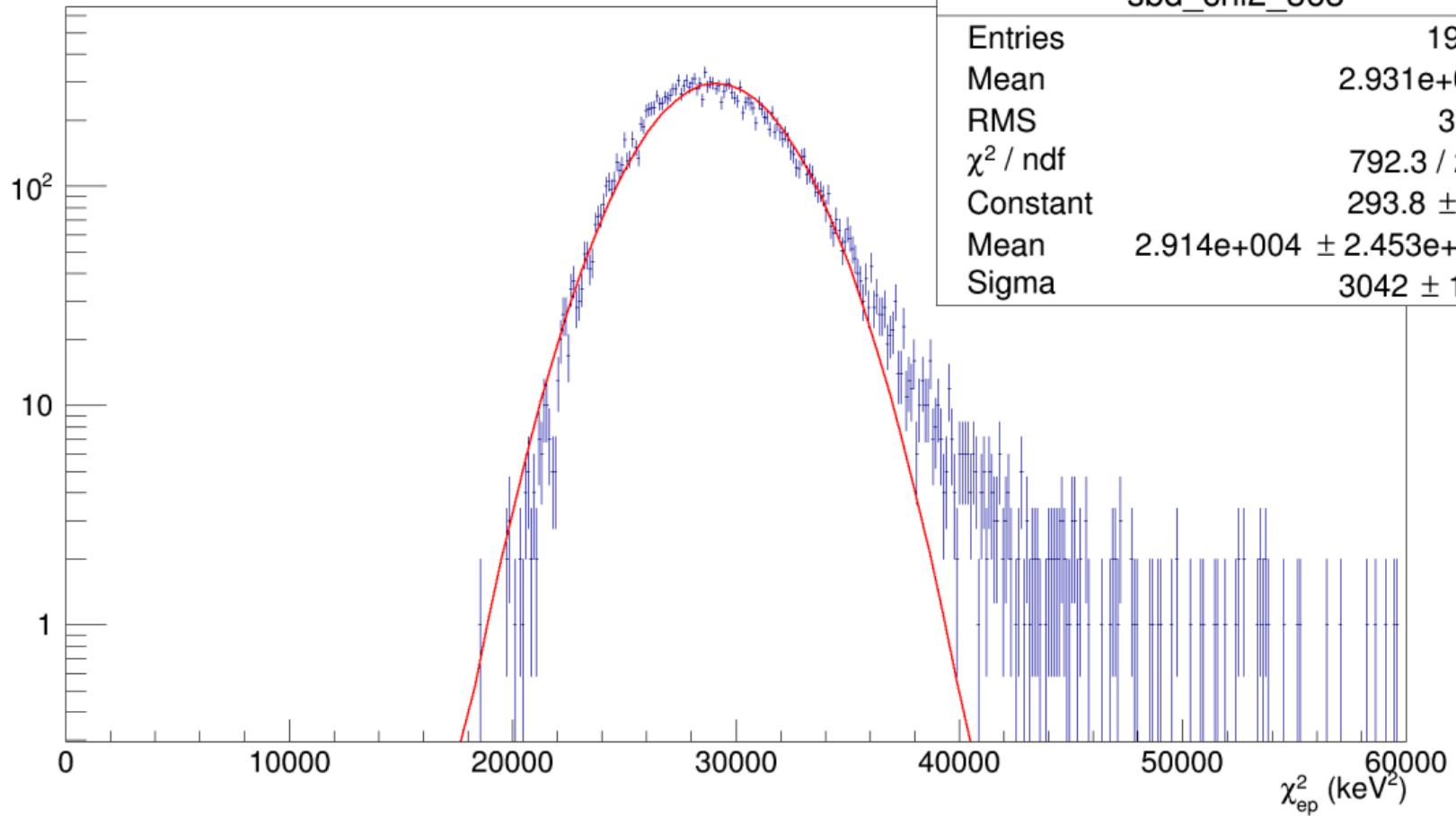
probability



sbd_chi2_362	
Entries	19198
Mean	2.923e+004
RMS	3520
χ^2 / ndf	724.2 / 244
Constant	290.3 \pm 2.7
Mean	2.906e+004 \pm 2.471e+001
Sigma	3043 \pm 16.7

χ^2_{ep} from 363.00 keV to 364.00 keV

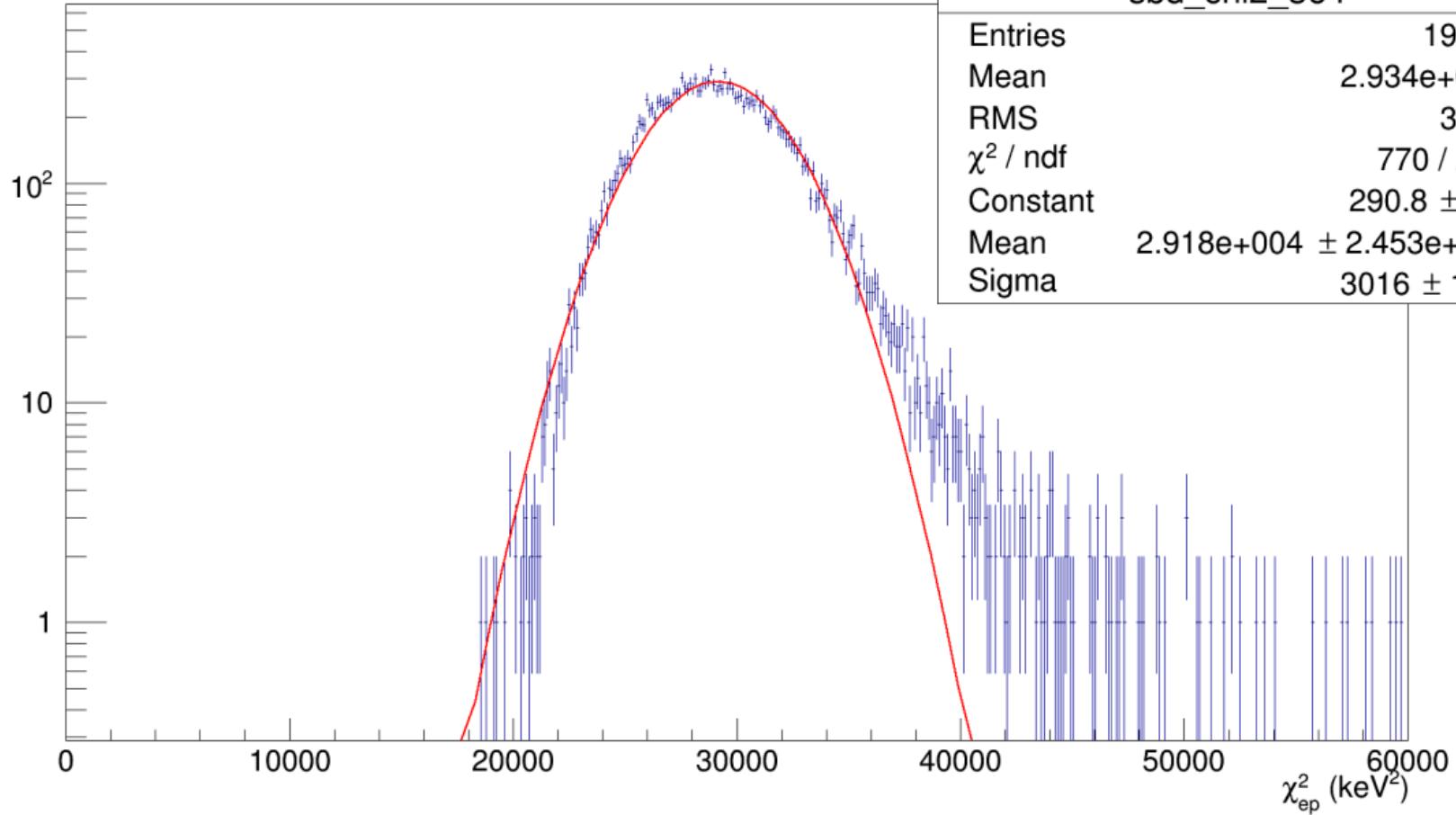
probability



sbd_chi2_363	
Entries	19481
Mean	2.931e+004
RMS	3538
χ^2 / ndf	792.3 / 250
Constant	293.8 ± 2.7
Mean	2.914e+004 ± 2.453e+001
Sigma	3042 ± 17.0

χ^2_{ep} from 364.00 keV to 365.00 keV

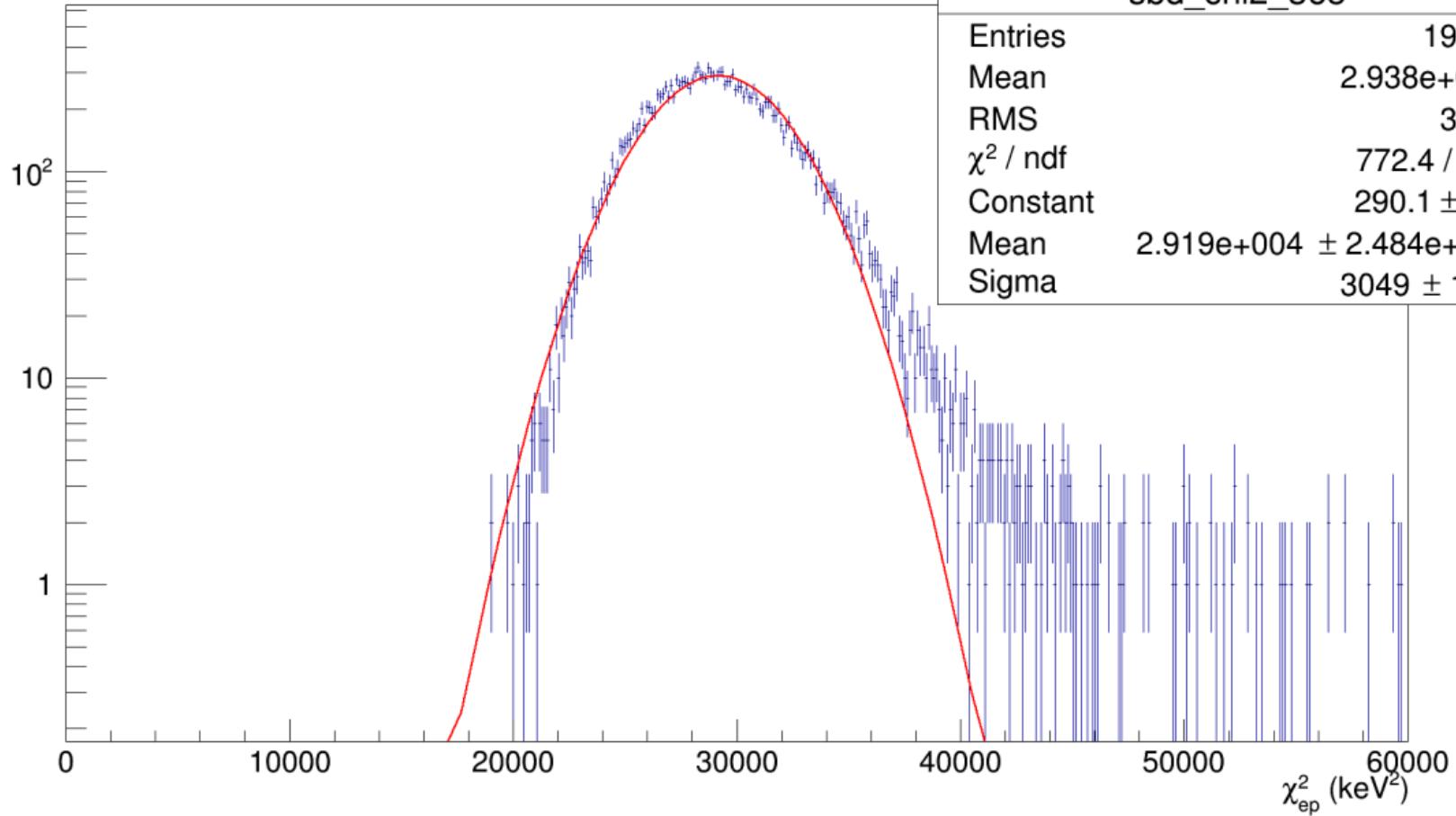
probability



sbd_chi2_364	
Entries	19100
Mean	2.934e+004
RMS	3492
χ^2 / ndf	770 / 242
Constant	290.8 ± 2.7
Mean	2.918e+004 ± 2.453e+001
Sigma	3016 ± 16.8

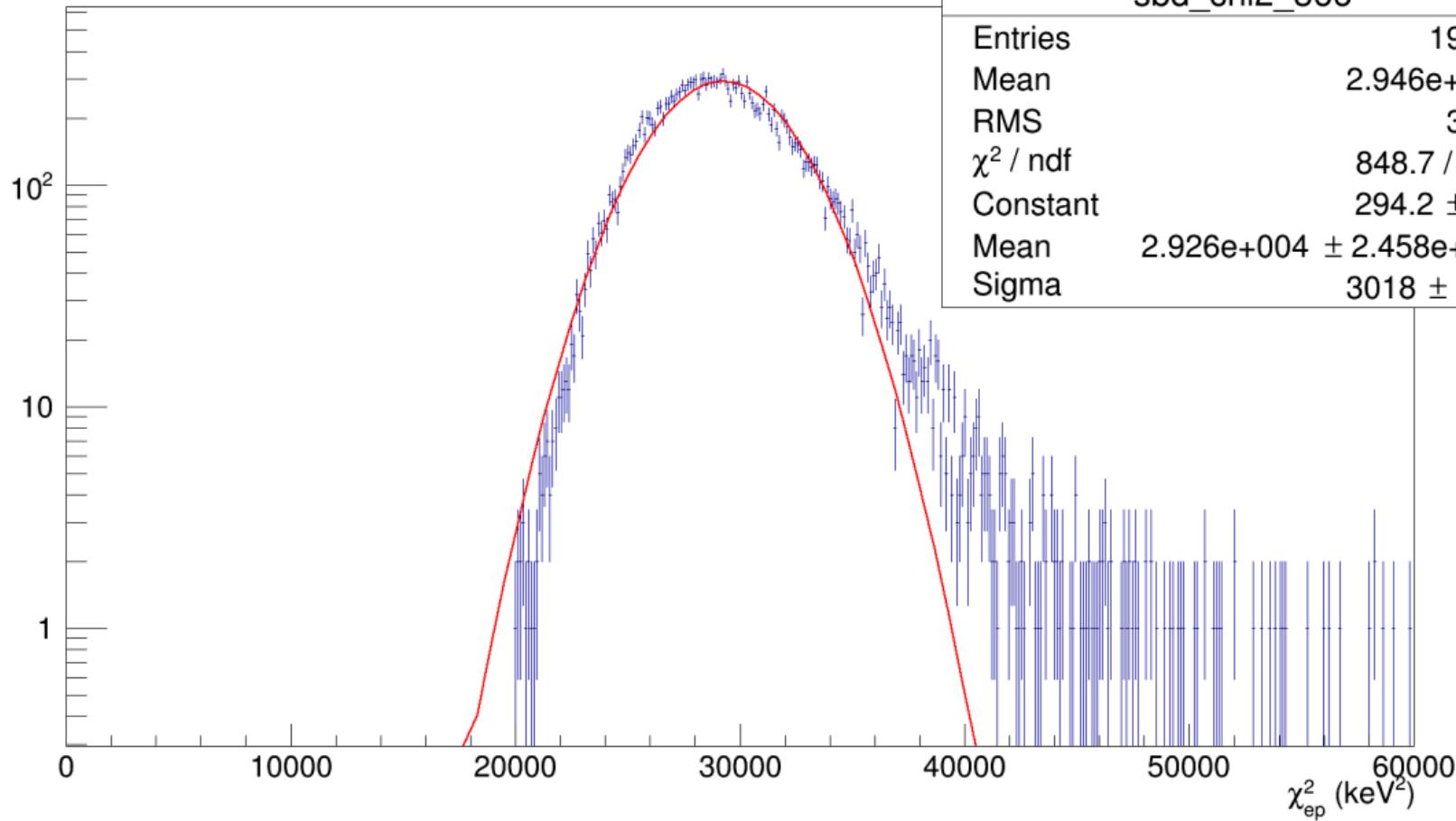
χ^2_{ep} from 365.00 keV to 366.00 keV

probability



χ^2_{ep} from 366.00 keV to 367.00 keV

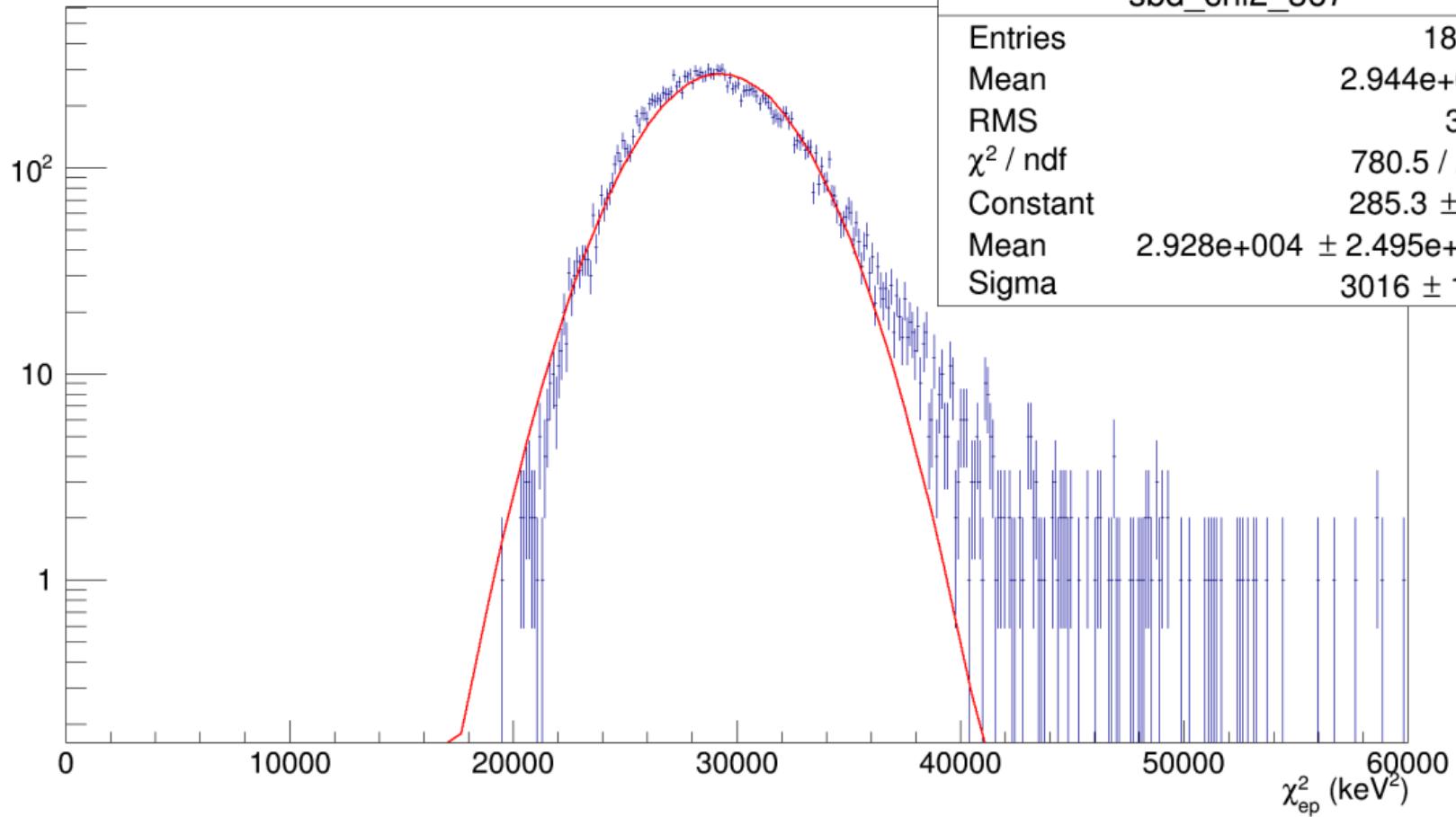
probability



sbd_chi2_366	
Entries	19412
Mean	2.946e+004
RMS	3547
χ^2 / ndf	848.7 / 254
Constant	294.2 ± 2.7
Mean	2.926e+004 ± 2.458e+001
Sigma	3018 ± 16.7

χ^2_{ep} from 367.00 keV to 368.00 keV

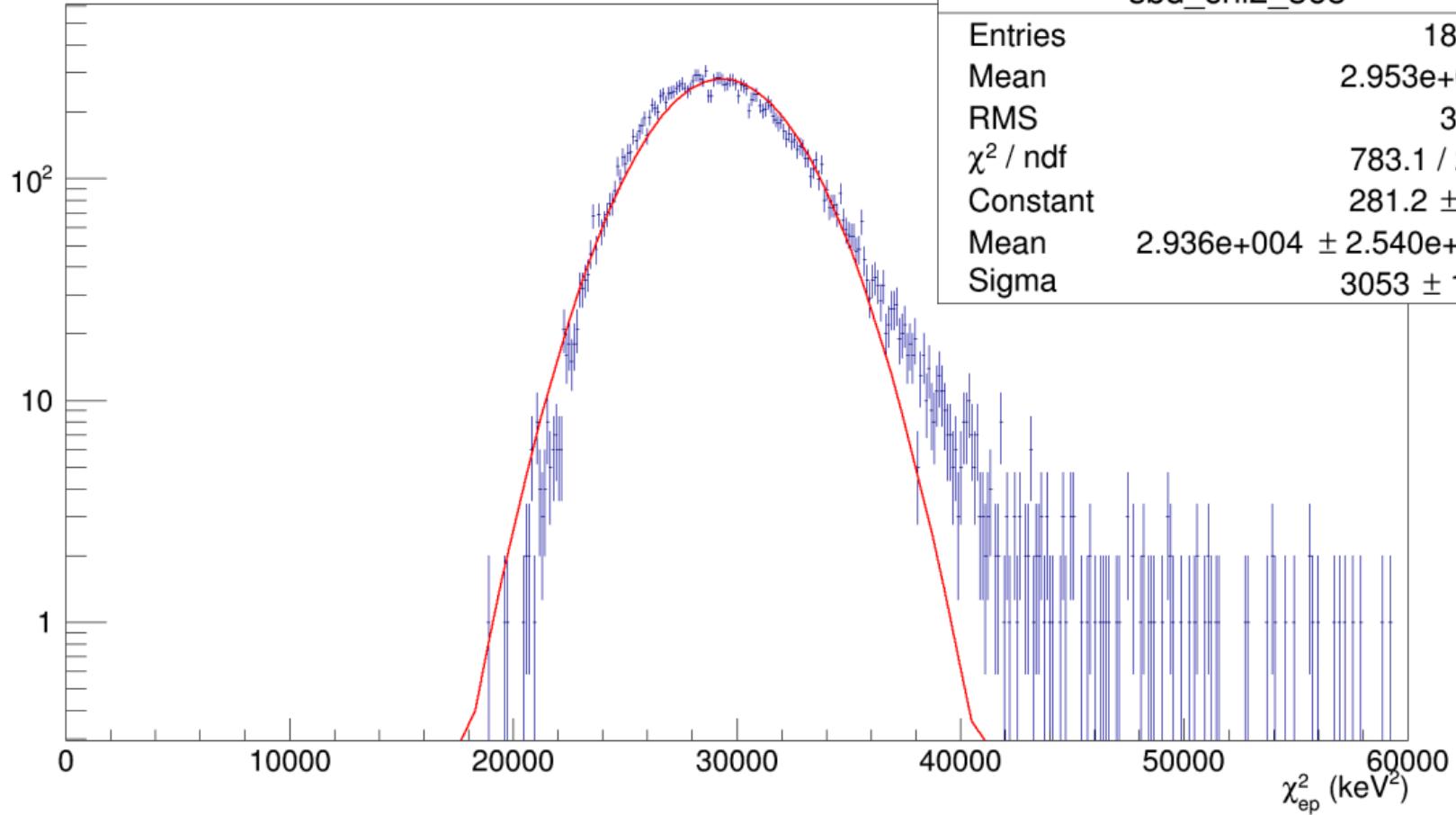
probability



sbd_chi2_367	
Entries	18760
Mean	2.944e+004
RMS	3501
χ^2 / ndf	780.5 / 243
Constant	285.3 ± 2.7
Mean	2.928e+004 ± 2.495e+001
Sigma	3016 ± 17.0

χ^2_{ep} from 368.00 keV to 369.00 keV

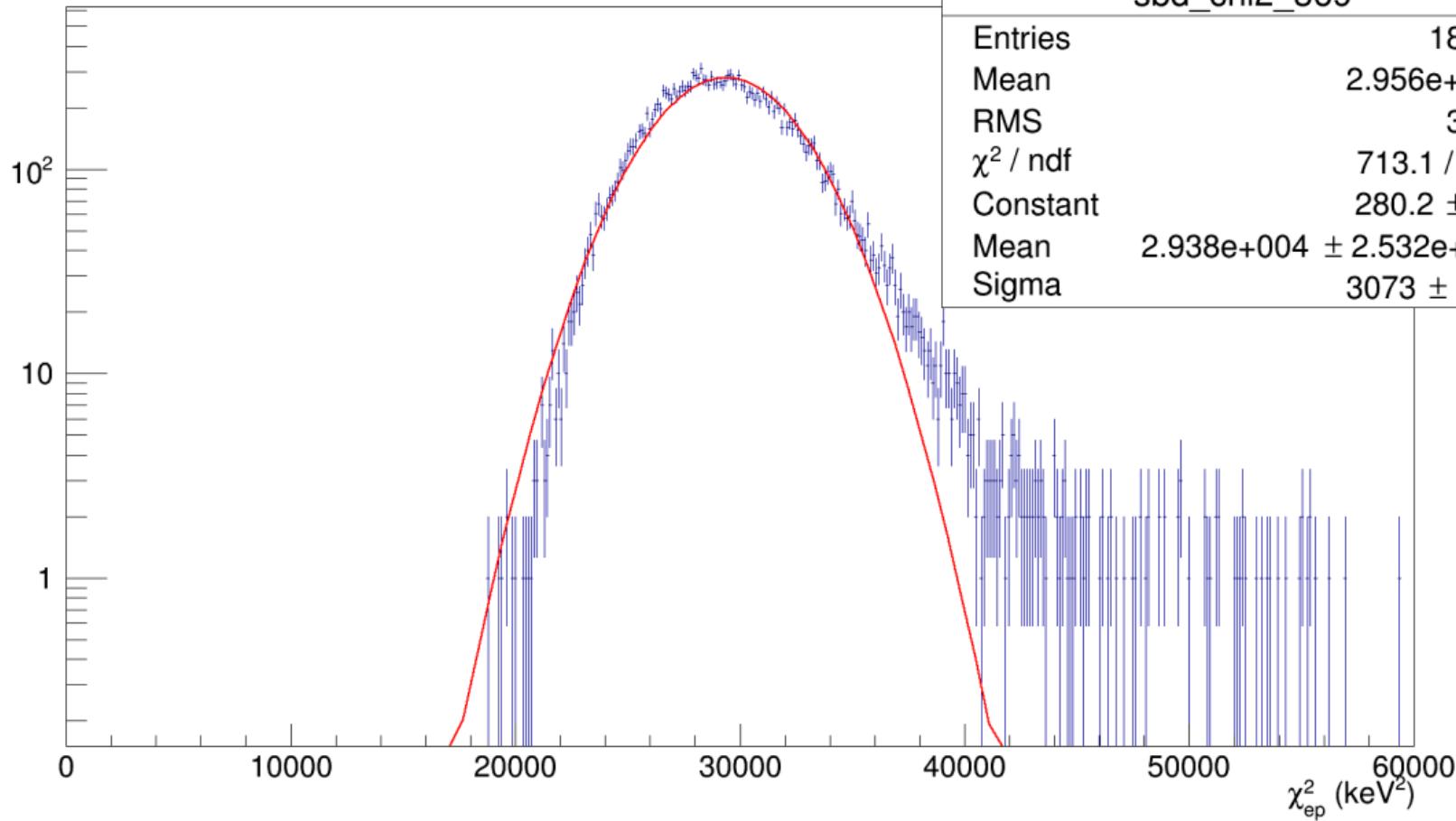
probability



sbd_chi2_368	
Entries	18732
Mean	2.953e+004
RMS	3560
χ^2 / ndf	783.1 / 247
Constant	281.2 \pm 2.6
Mean	2.936e+004 \pm 2.540e+001
Sigma	3053 \pm 17.5

χ^2_{ep} from 369.00 keV to 370.00 keV

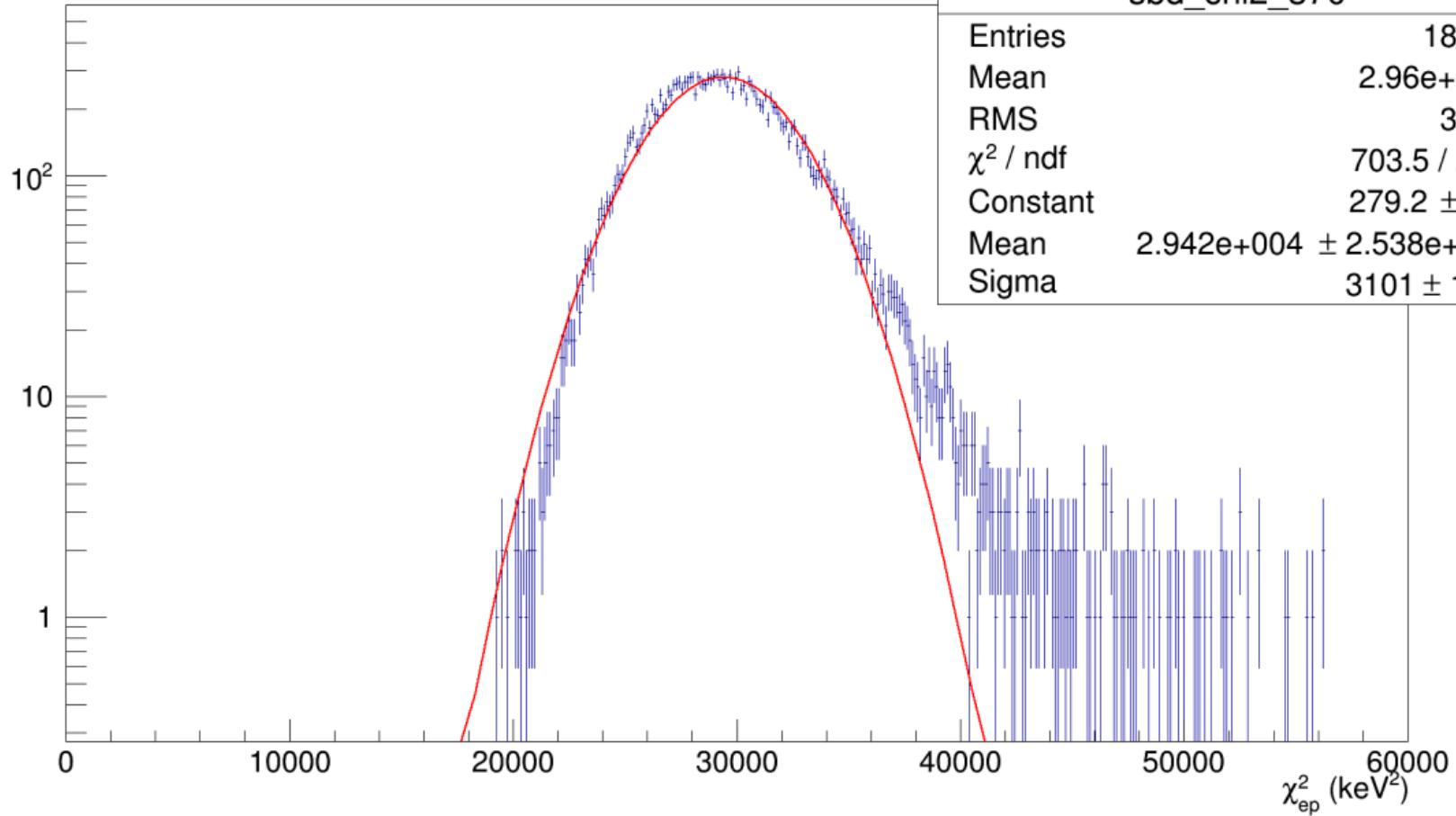
probability



sbd_chi2_369	
Entries	18703
Mean	2.956e+004
RMS	3569
χ^2 / ndf	713.1 / 250
Constant	280.2 ± 2.6
Mean	2.938e+004 ± 2.532e+001
Sigma	3073 ± 17.4

χ^2_{ep} from 370.00 keV to 371.00 keV

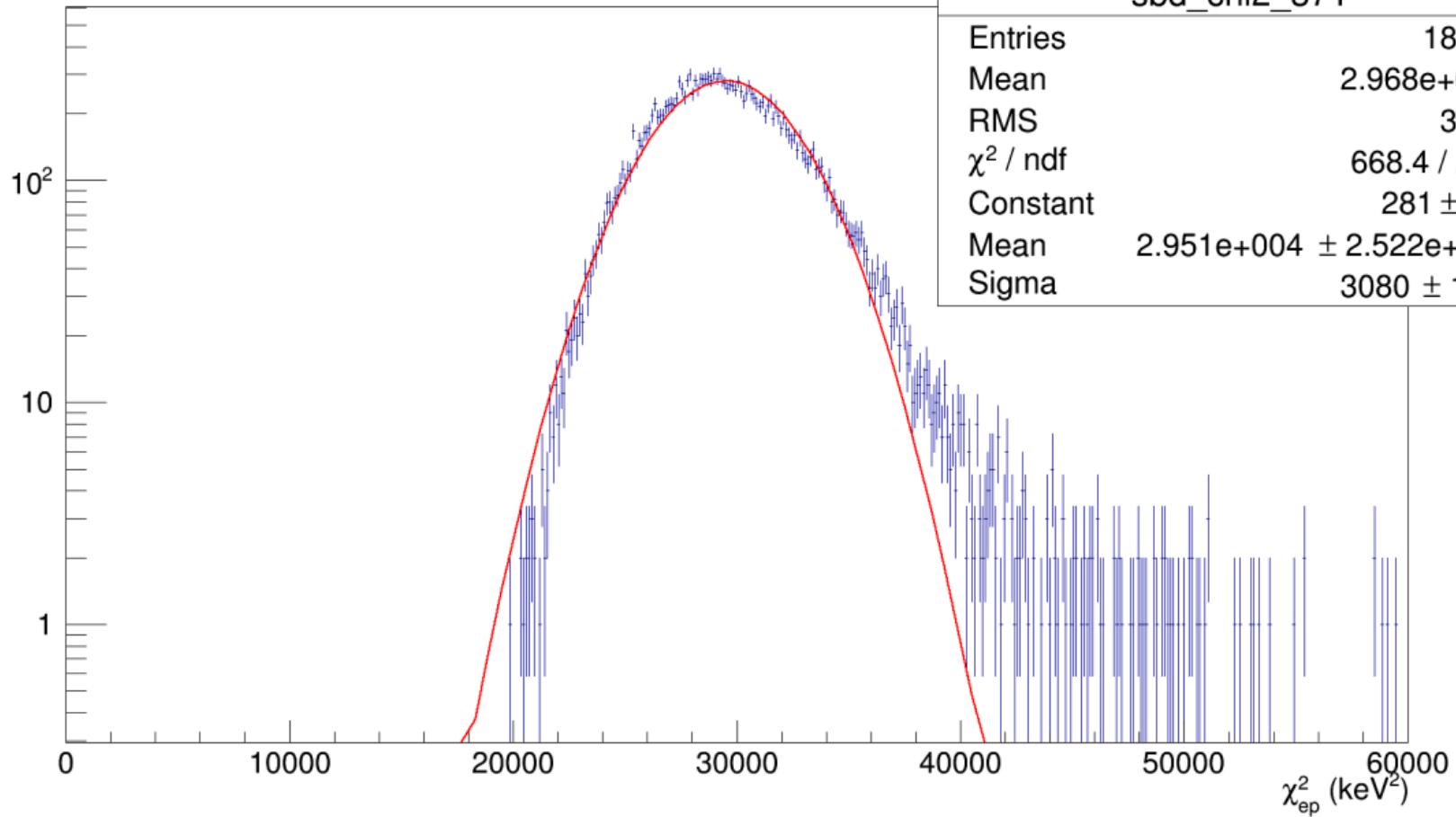
probability



sbd_chi2_370	
Entries	18807
Mean	2.96e+004
RMS	3554
χ^2 / ndf	703.5 / 249
Constant	279.2 ± 2.6
Mean	2.942e+004 ± 2.538e+001
Sigma	3101 ± 17.7

χ^2_{ep} from 371.00 keV to 372.00 keV

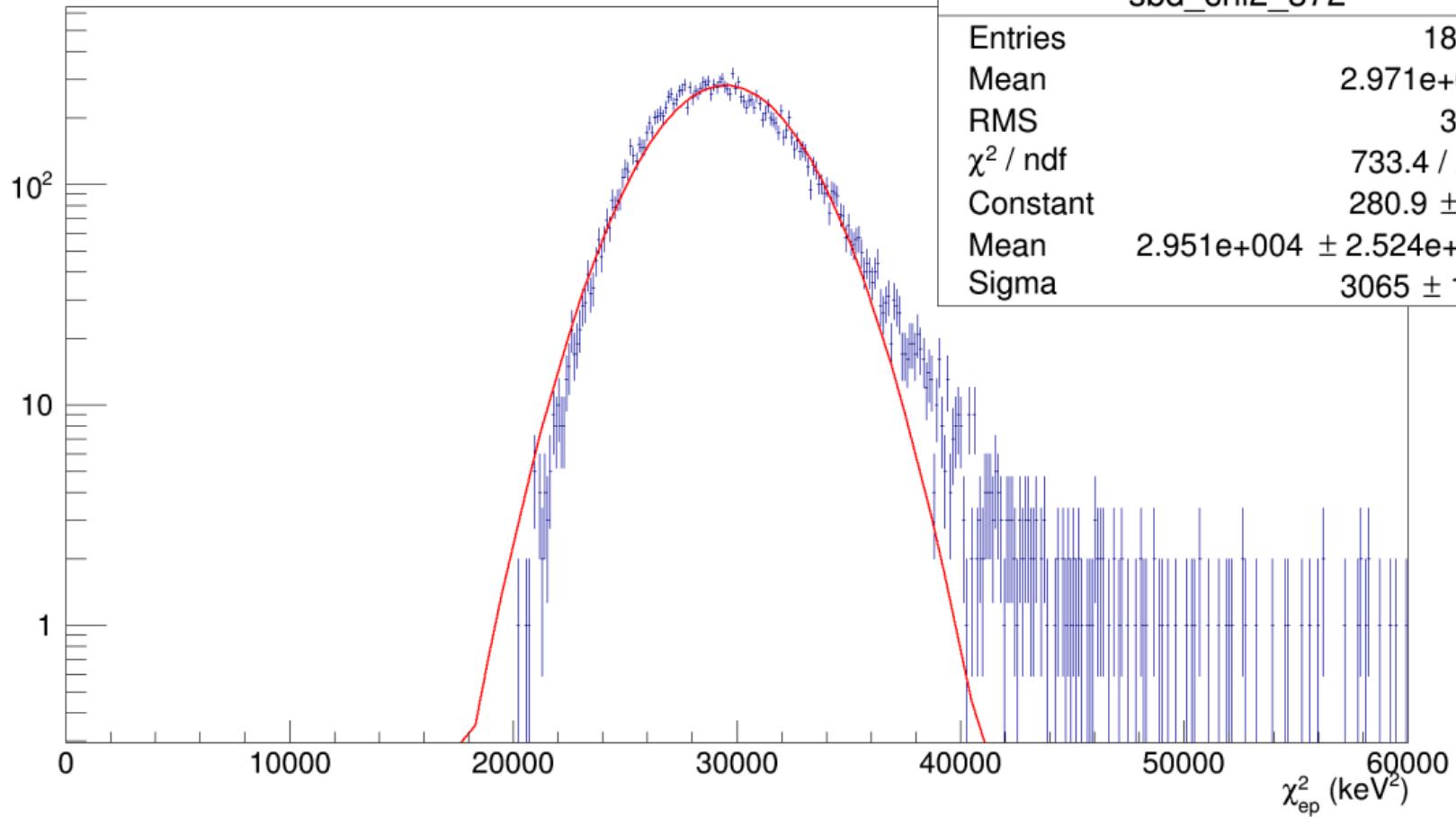
probability



sbd_chi2_371	
Entries	18755
Mean	2.968e+004
RMS	3528
χ^2 / ndf	668.4 / 243
Constant	281 ± 2.6
Mean	2.951e+004 ± 2.522e+001
Sigma	3080 ± 17.6

χ^2_{ep} from 372.00 keV to 373.00 keV

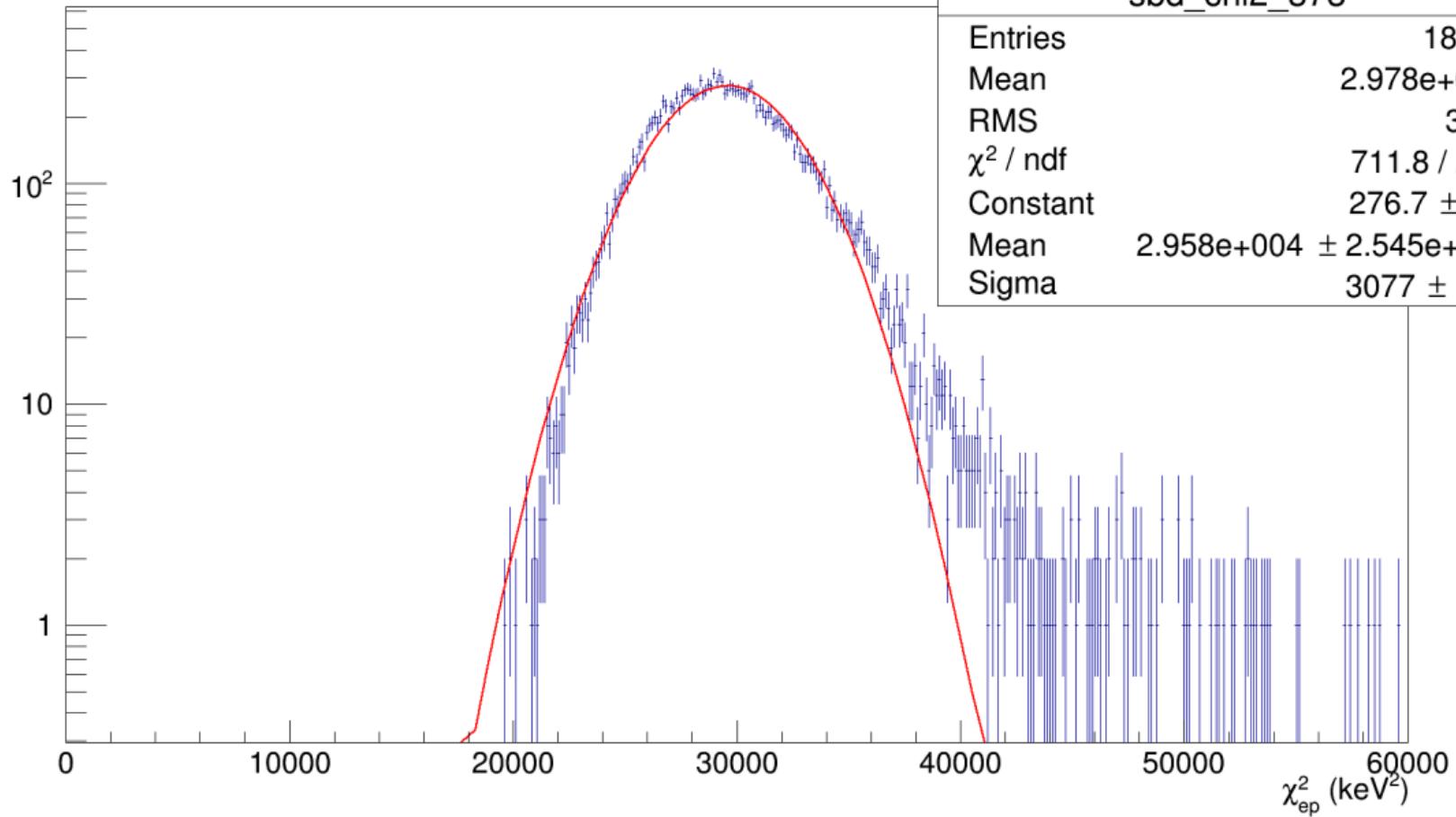
probability



sbd_chi2_372	
Entries	18709
Mean	2.971e+004
RMS	3559
χ^2 / ndf	733.4 / 249
Constant	280.9 \pm 2.7
Mean	2.951e+004 \pm 2.524e+001
Sigma	3065 \pm 18.0

χ^2_{ep} from 373.00 keV to 374.00 keV

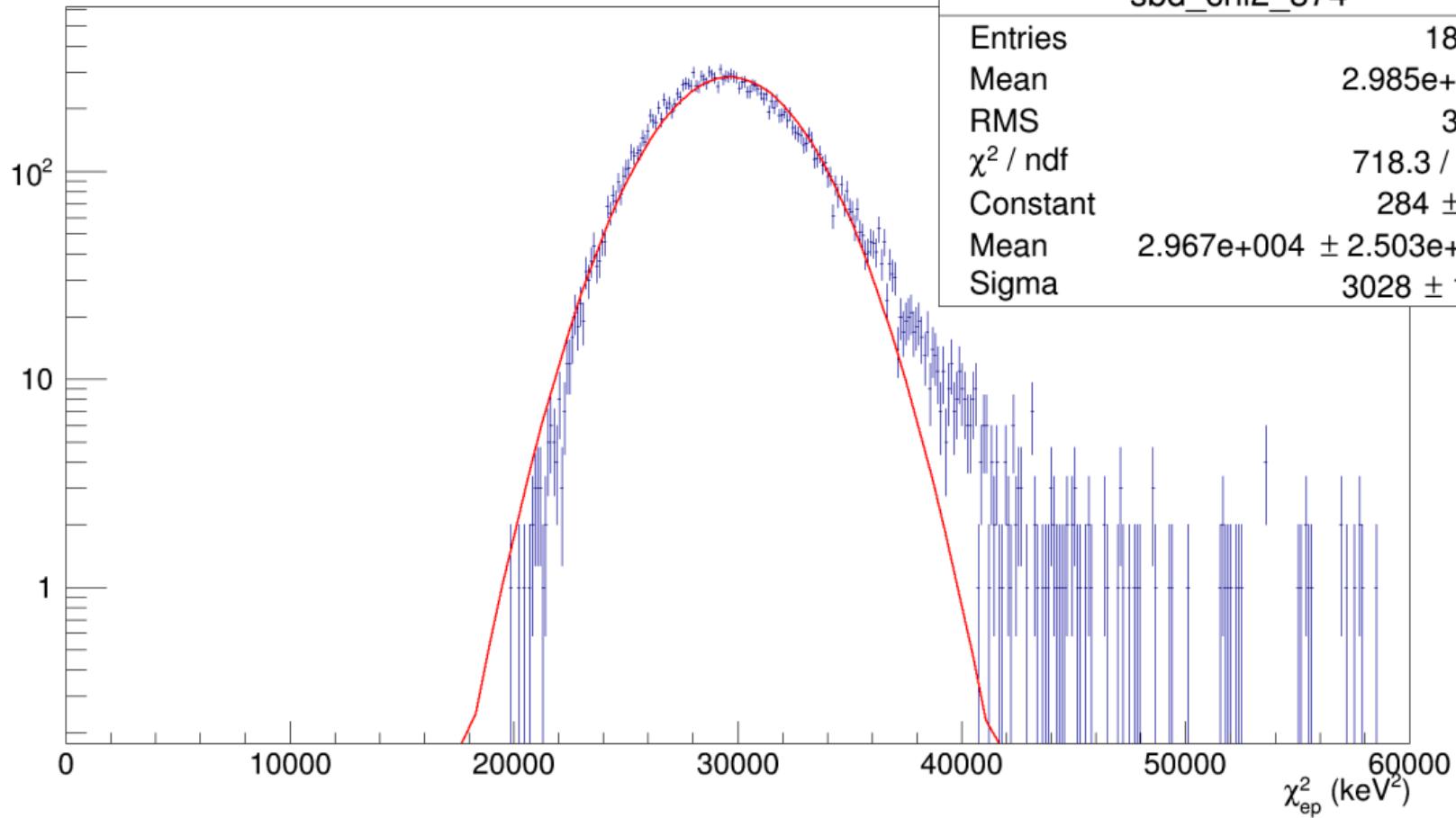
probability



sbd_chi2_373	
Entries	18503
Mean	2.978e+004
RMS	3571
χ^2 / ndf	711.8 / 250
Constant	276.7 ± 2.6
Mean	2.958e+004 ± 2.545e+001
Sigma	3077 ± 18.1

χ^2_{ep} from 374.00 keV to 375.00 keV

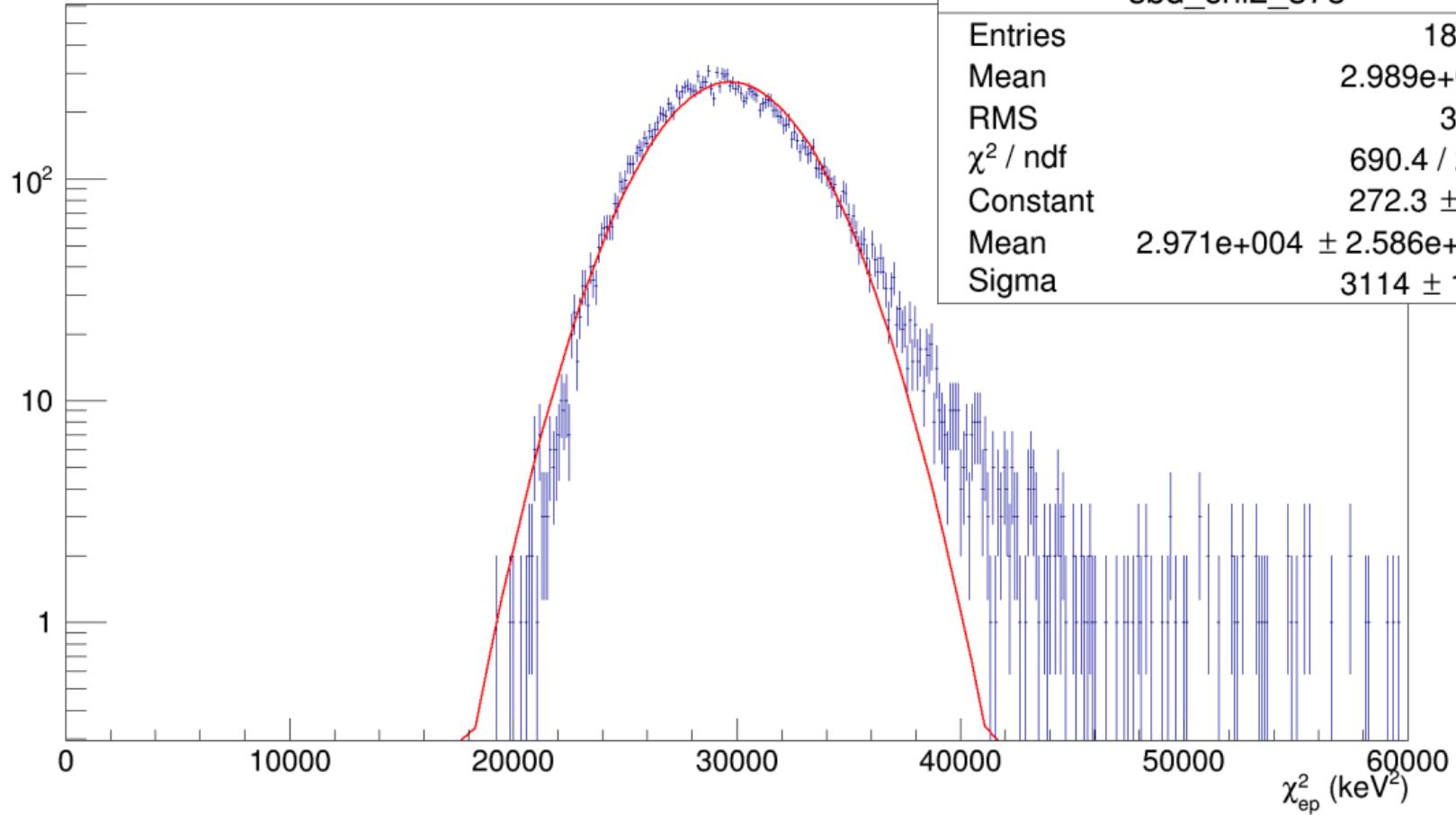
probability



sbd_chi2_374	
Entries	18693
Mean	2.985e+004
RMS	3505
χ^2 / ndf	718.3 / 239
Constant	284 ± 2.7
Mean	2.967e+004 ± 2.503e+001
Sigma	3028 ± 17.4

χ^2_{ep} from 375.00 keV to 376.00 keV

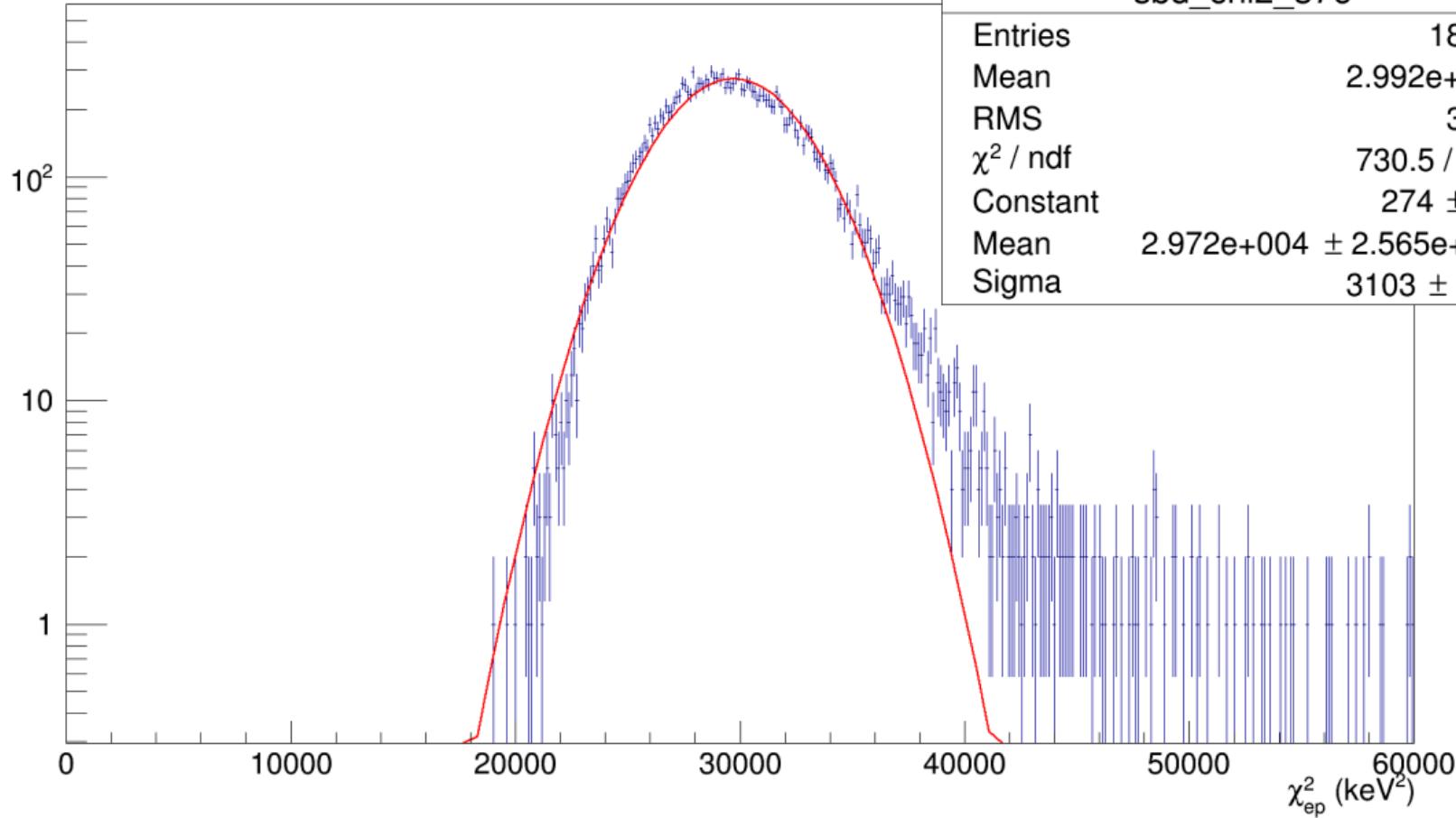
probability



sbd_chi2_375	
Entries	18429
Mean	2.989e+004
RMS	3607
χ^2 / ndf	690.4 / 247
Constant	272.3 ± 2.6
Mean	2.971e+004 ± 2.586e+001
Sigma	3114 ± 18.0

χ^2_{ep} from 376.00 keV to 377.00 keV

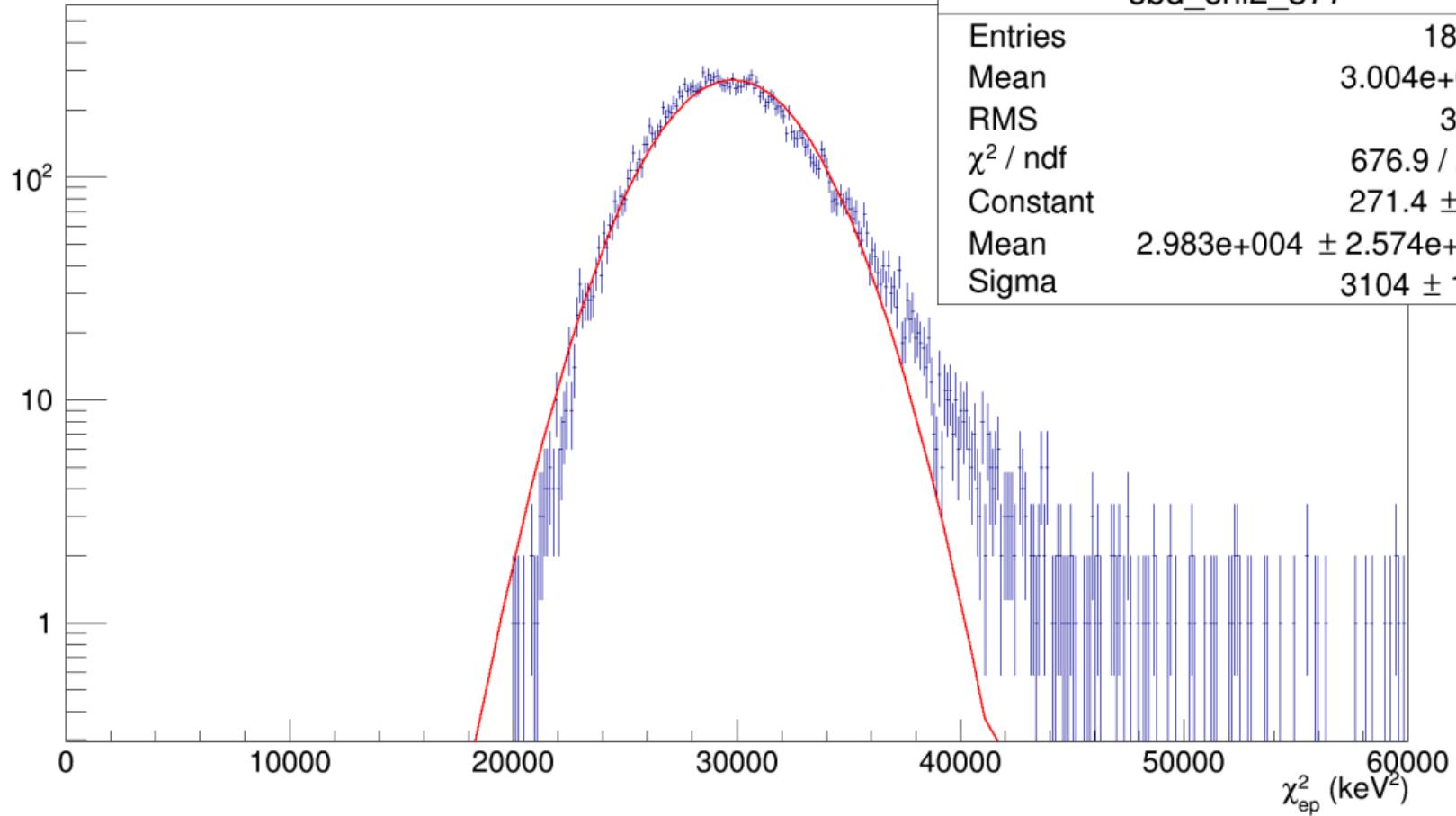
probability



sbd_chi2_376	
Entries	18486
Mean	2.992e+004
RMS	3646
χ^2 / ndf	730.5 / 257
Constant	274 ± 2.6
Mean	2.972e+004 ± 2.565e+001
Sigma	3103 ± 17.8

χ^2_{ep} from 377.00 keV to 378.00 keV

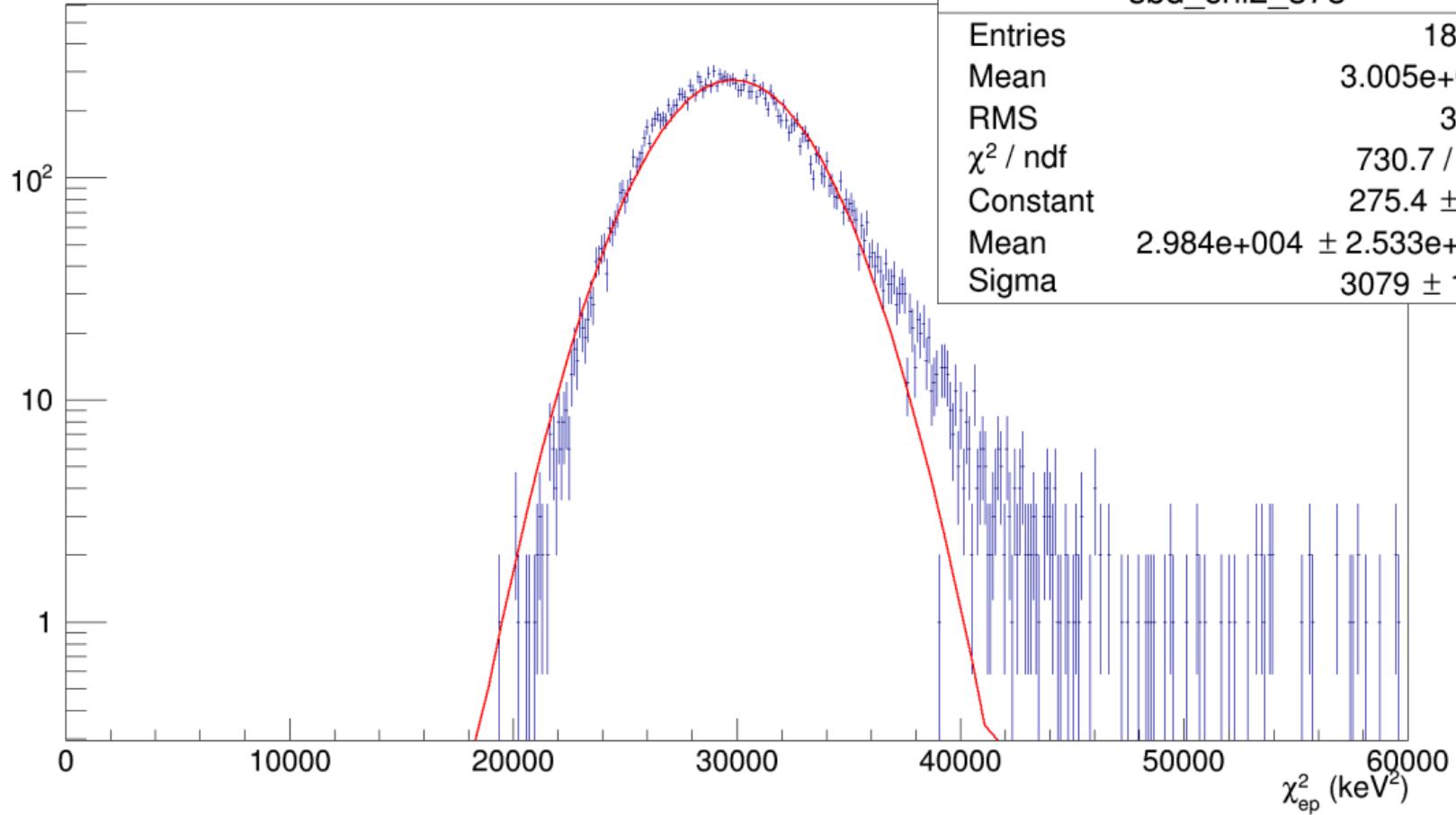
probability



sbd_chi2_377	
Entries	18287
Mean	3.004e+004
RMS	3613
χ^2 / ndf	676.9 / 255
Constant	271.4 ± 2.6
Mean	2.983e+004 ± 2.574e+001
Sigma	3104 ± 18.3

χ^2_{ep} from 378.00 keV to 379.00 keV

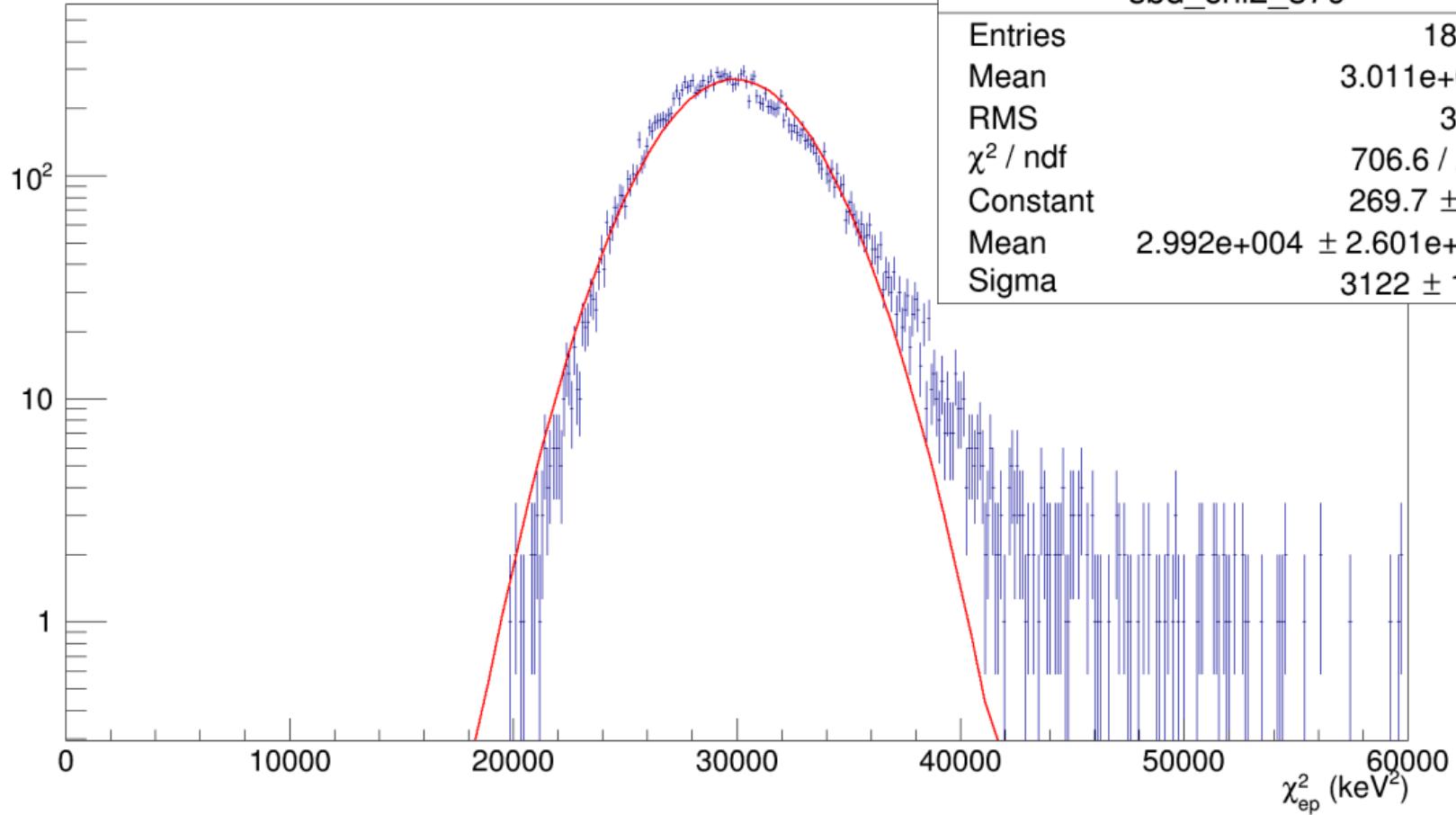
probability



sbd_chi2_378	
Entries	18443
Mean	3.005e+004
RMS	3576
χ^2 / ndf	730.7 / 241
Constant	275.4 ± 2.6
Mean	2.984e+004 ± 2.533e+001
Sigma	3079 ± 17.9

χ^2_{ep} from 379.00 keV to 380.00 keV

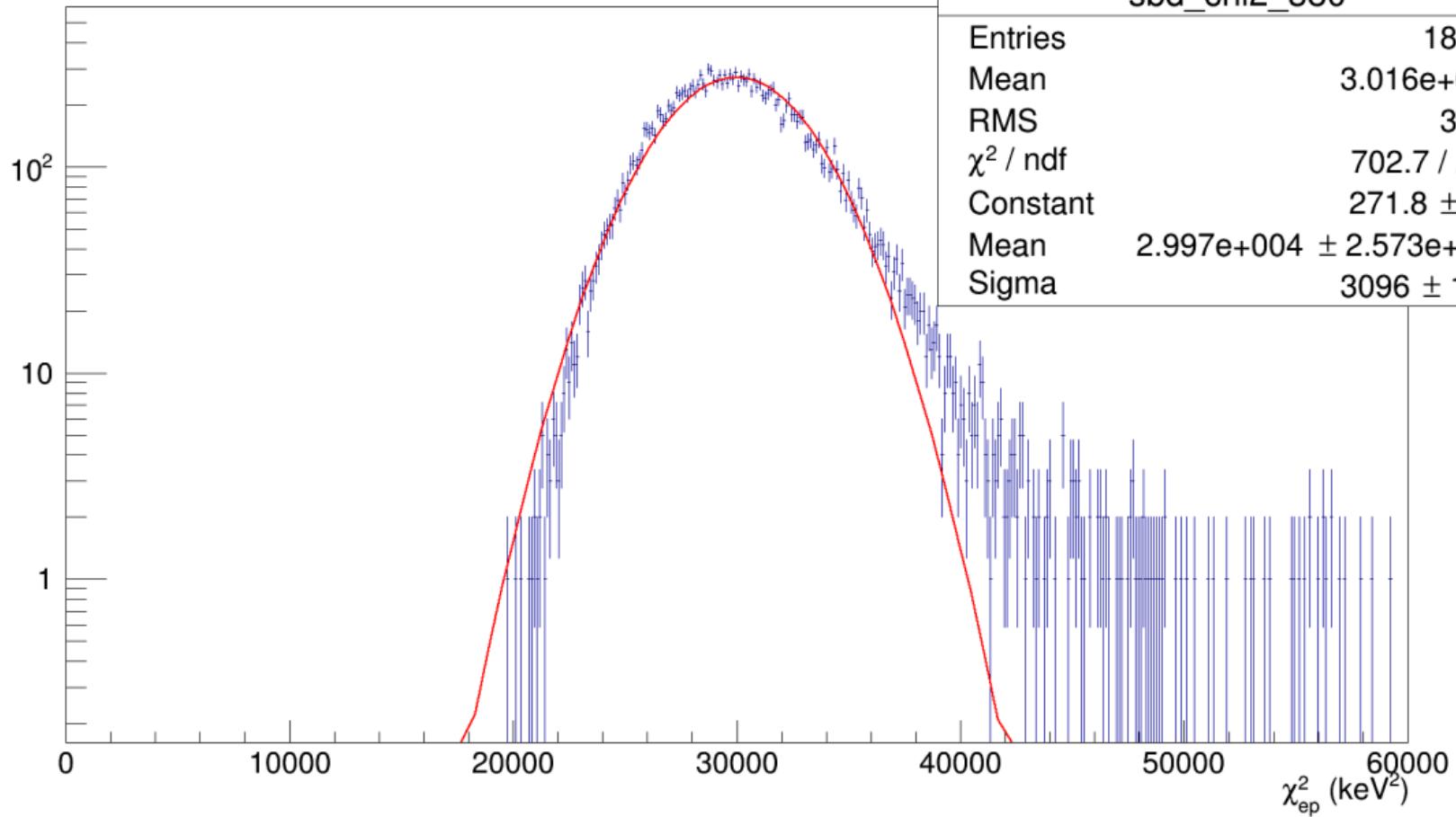
probability



sbd_chi2_379	
Entries	18309
Mean	3.011e+004
RMS	3609
χ^2 / ndf	706.6 / 248
Constant	269.7 ± 2.6
Mean	2.992e+004 ± 2.601e+001
Sigma	3122 ± 18.6

χ^2_{ep} from 380.00 keV to 381.00 keV

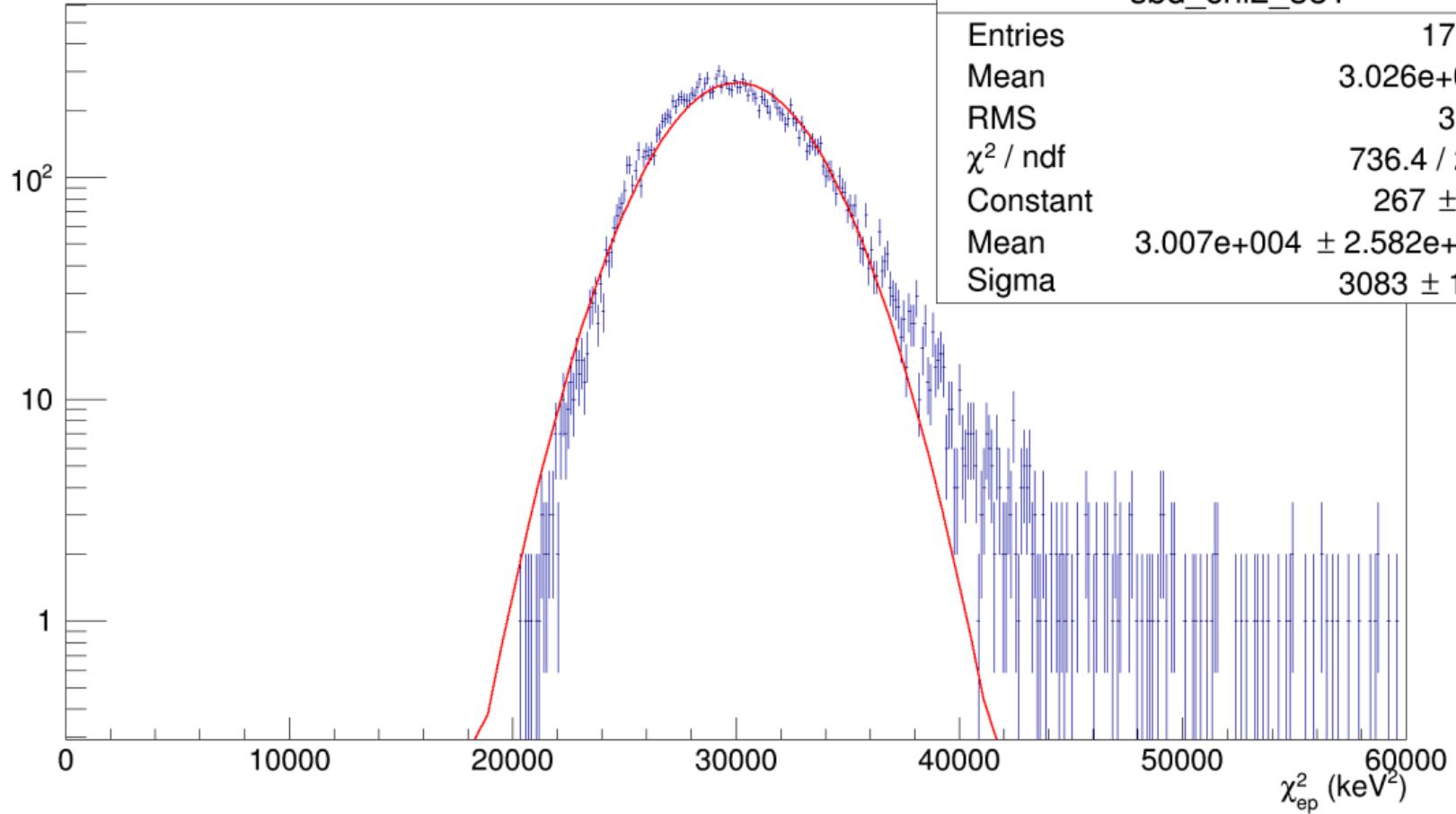
probability



sbd_chi2_380	
Entries	18304
Mean	3.016e+004
RMS	3580
χ^2 / ndf	702.7 / 252
Constant	271.8 ± 2.6
Mean	2.997e+004 ± 2.573e+001
Sigma	3096 ± 17.9

χ^2_{ep} from 381.00 keV to 382.00 keV

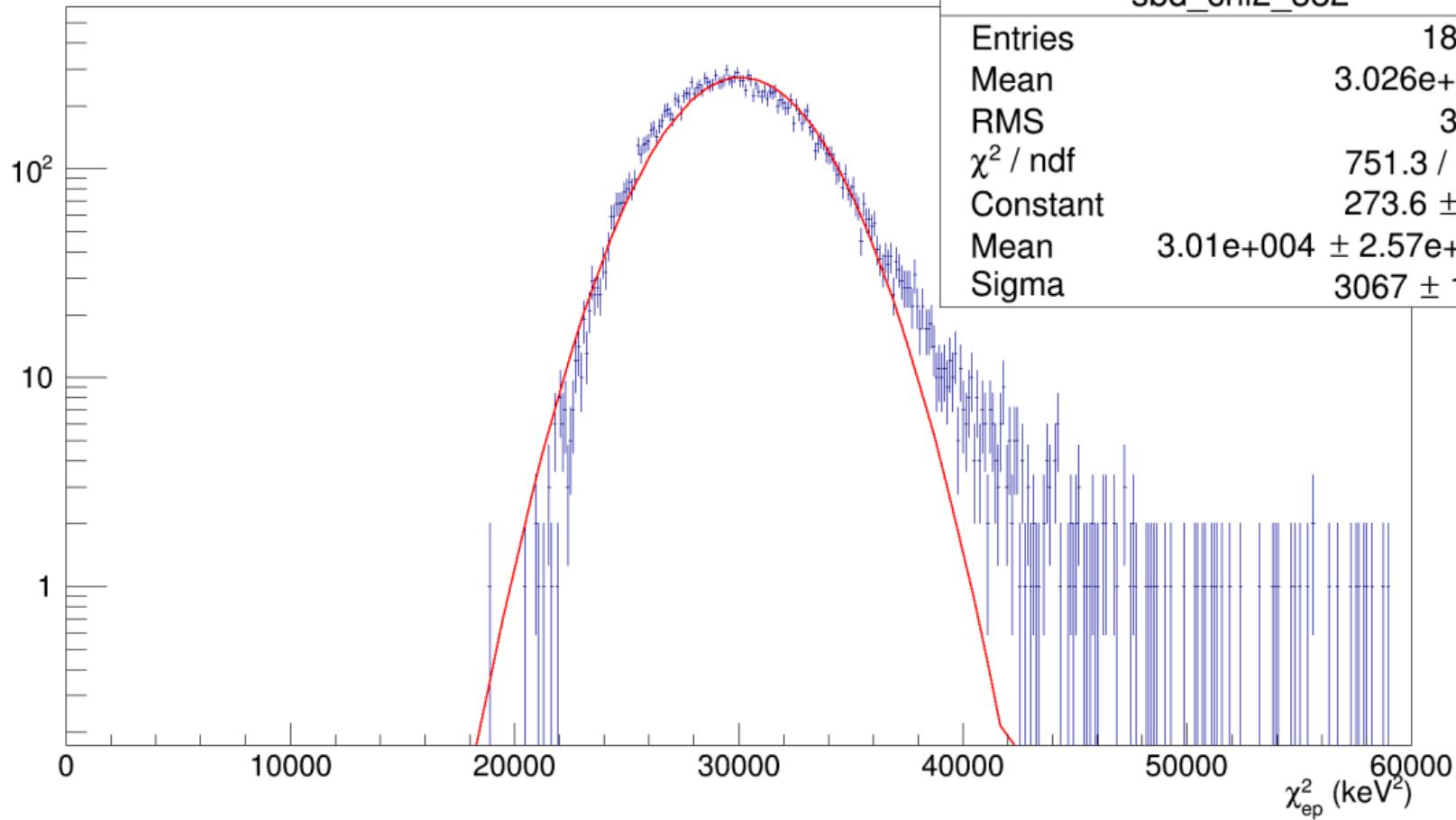
probability



sbd_chi2_381	
Entries	17953
Mean	3.026e+004
RMS	3623
χ^2 / ndf	736.4 / 255
Constant	267 ± 2.5
Mean	3.007e+004 ± 2.582e+001
Sigma	3083 ± 17.7

χ^2_{ep} from 382.00 keV to 383.00 keV

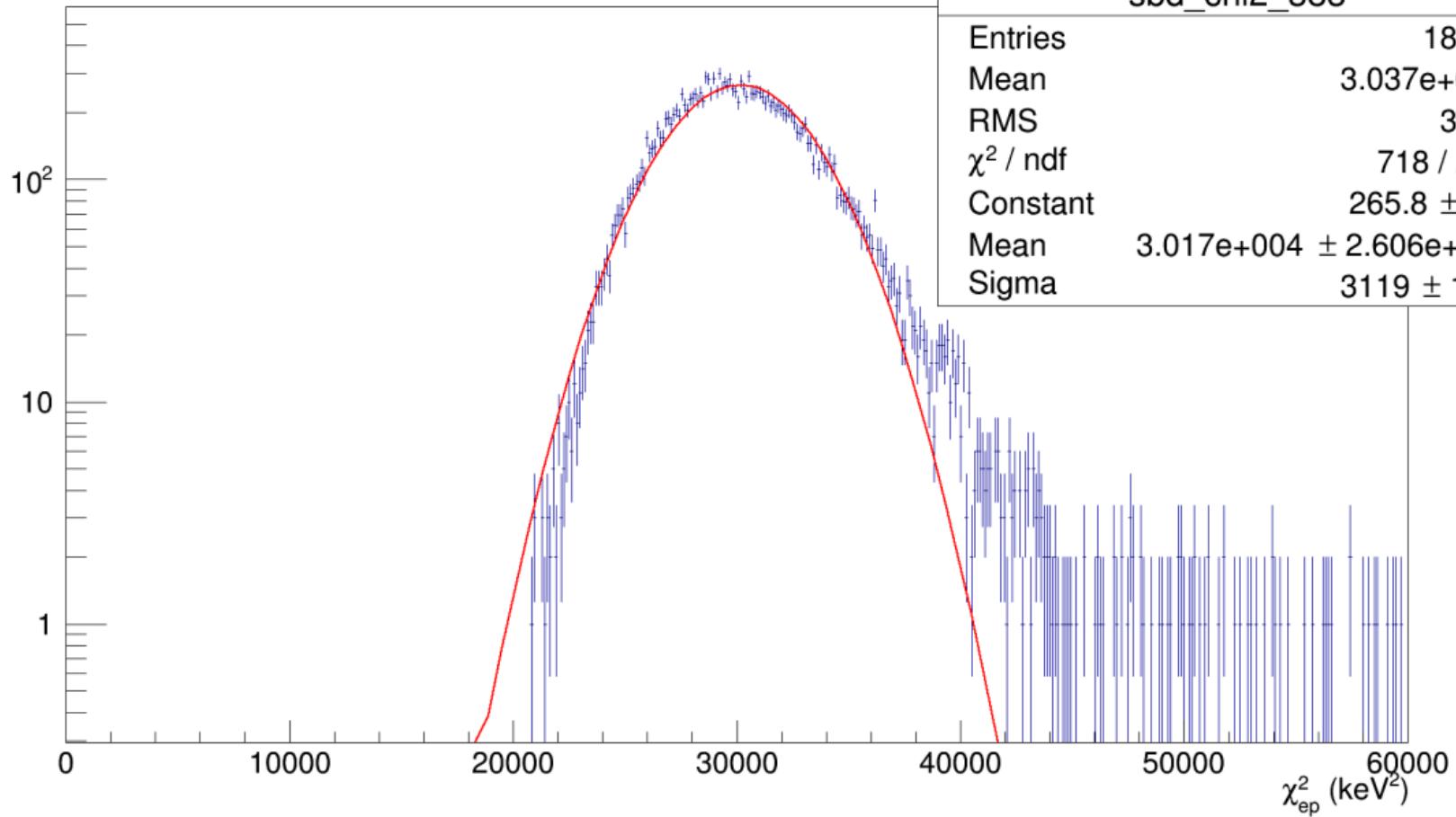
probability



sbd_chi2_382	
Entries	18286
Mean	3.026e+004
RMS	3563
χ^2 / ndf	751.3 / 247
Constant	273.6 ± 2.6
Mean	3.01e+004 ± 2.57e+001
Sigma	3067 ± 17.4

χ^2_{ep} from 383.00 keV to 384.00 keV

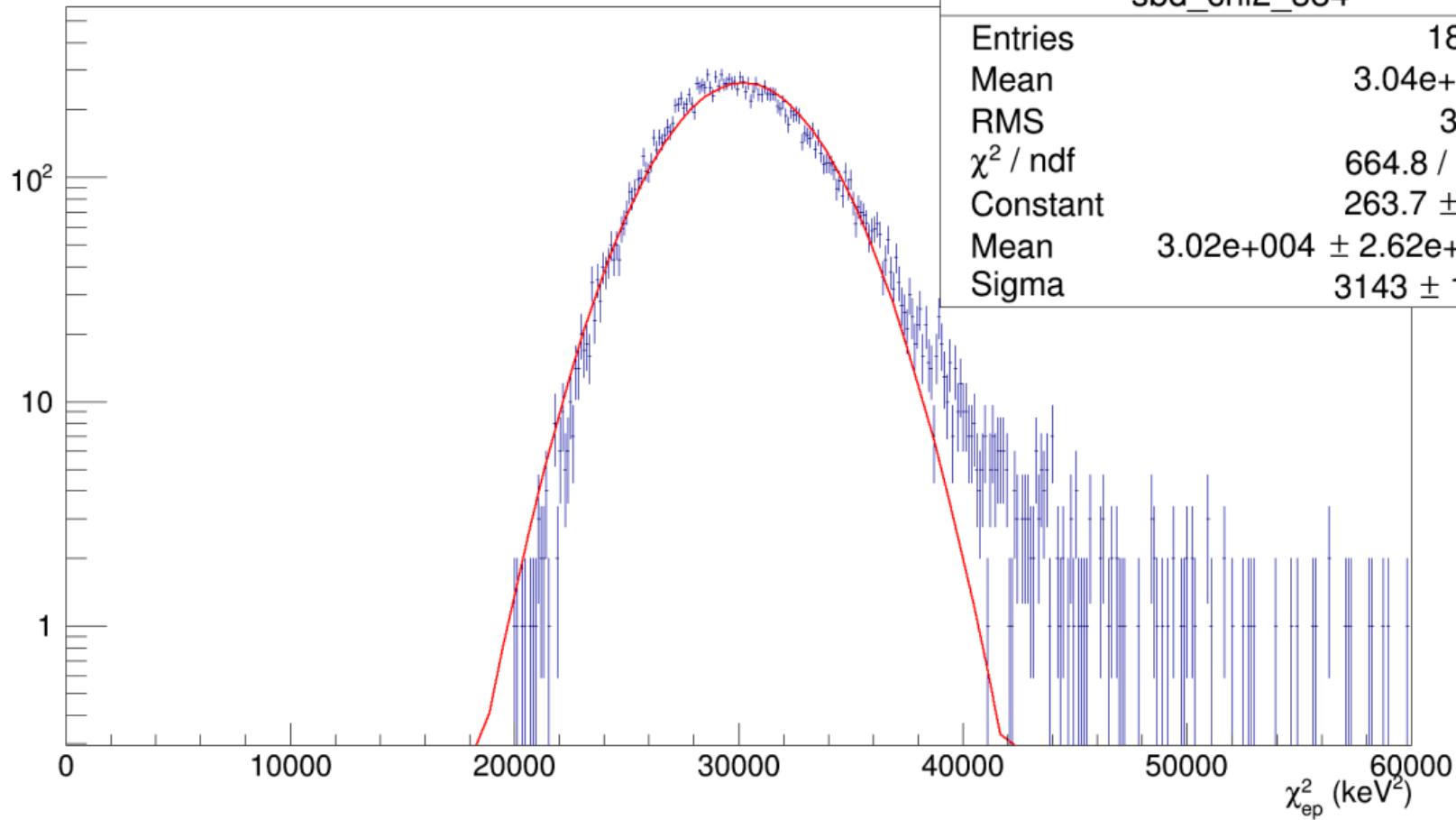
probability



sbd_chi2_383	
Entries	18056
Mean	3.037e+004
RMS	3628
χ^2 / ndf	718 / 249
Constant	265.8 ± 2.5
Mean	3.017e+004 ± 2.606e+001
Sigma	3119 ± 18.5

χ^2_{ep} from 384.00 keV to 385.00 keV

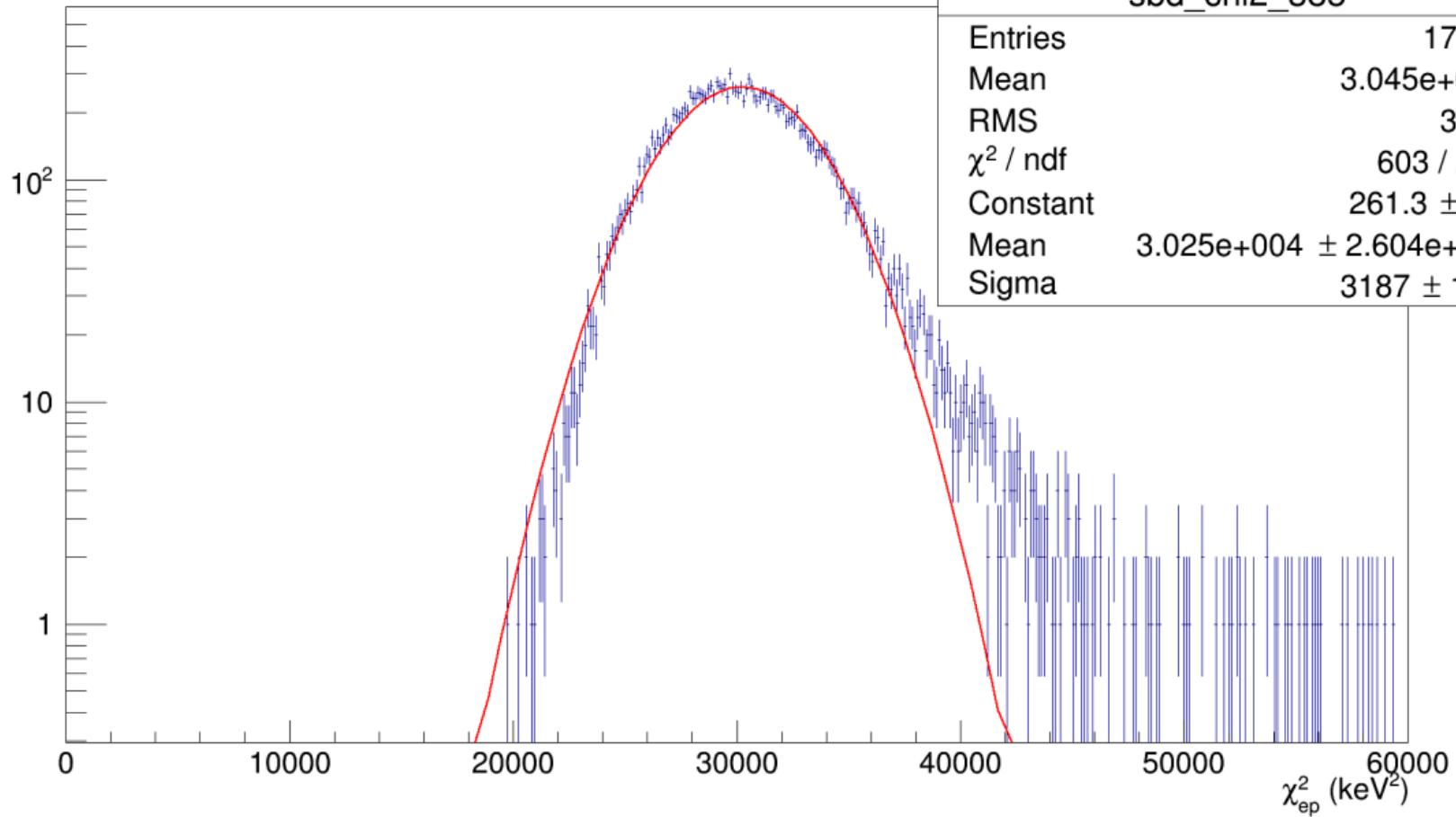
probability



sbd_chi2_384	
Entries	18001
Mean	3.04e+004
RMS	3617
χ^2 / ndf	664.8 / 248
Constant	263.7 ± 2.5
Mean	3.02e+004 ± 2.62e+001
Sigma	3143 ± 18.4

χ^2_{ep} from 385.00 keV to 386.00 keV

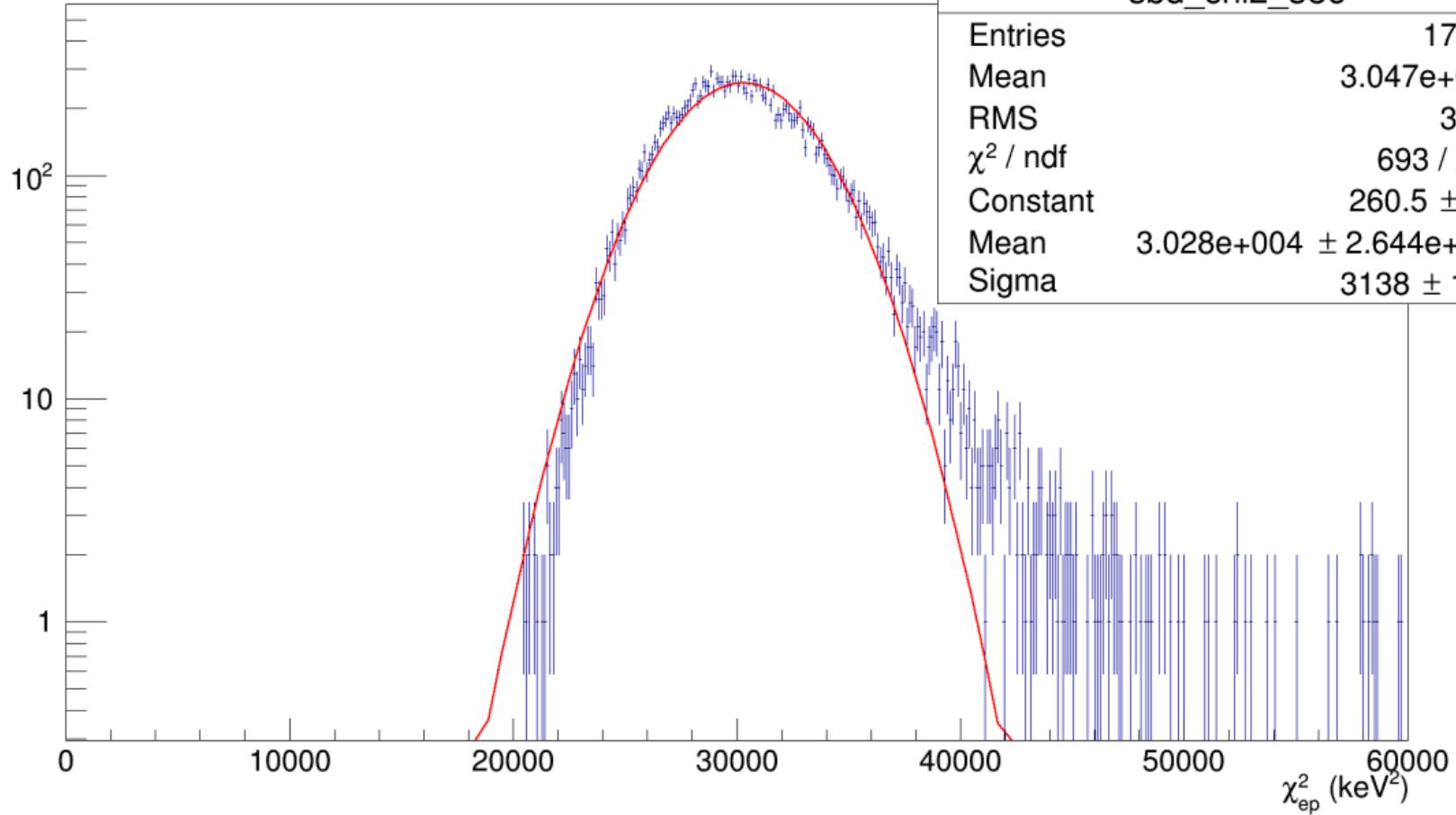
probability



sbd_chi2_385	
Entries	17988
Mean	3.045e+004
RMS	3640
χ^2 / ndf	603 / 248
Constant	261.3 ± 2.5
Mean	3.025e+004 ± 2.604e+001
Sigma	3187 ± 19.0

χ^2_{ep} from 386.00 keV to 387.00 keV

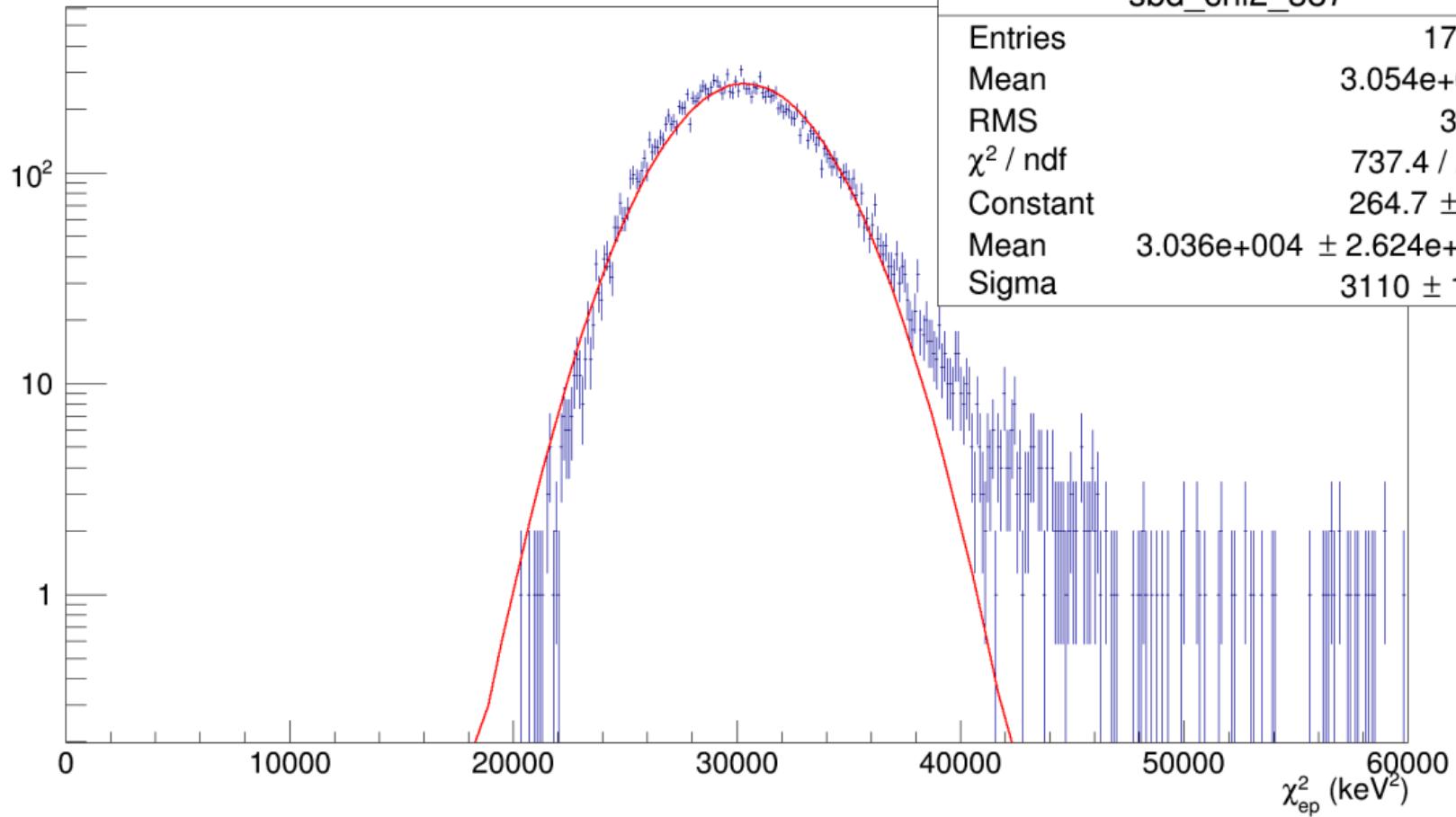
probability



sbd_chi2_386	
Entries	17788
Mean	3.047e+004
RMS	3592
χ^2 / ndf	693 / 244
Constant	260.5 ± 2.5
Mean	3.028e+004 ± 2.644e+001
Sigma	3138 ± 18.5

χ^2_{ep} from 387.00 keV to 388.00 keV

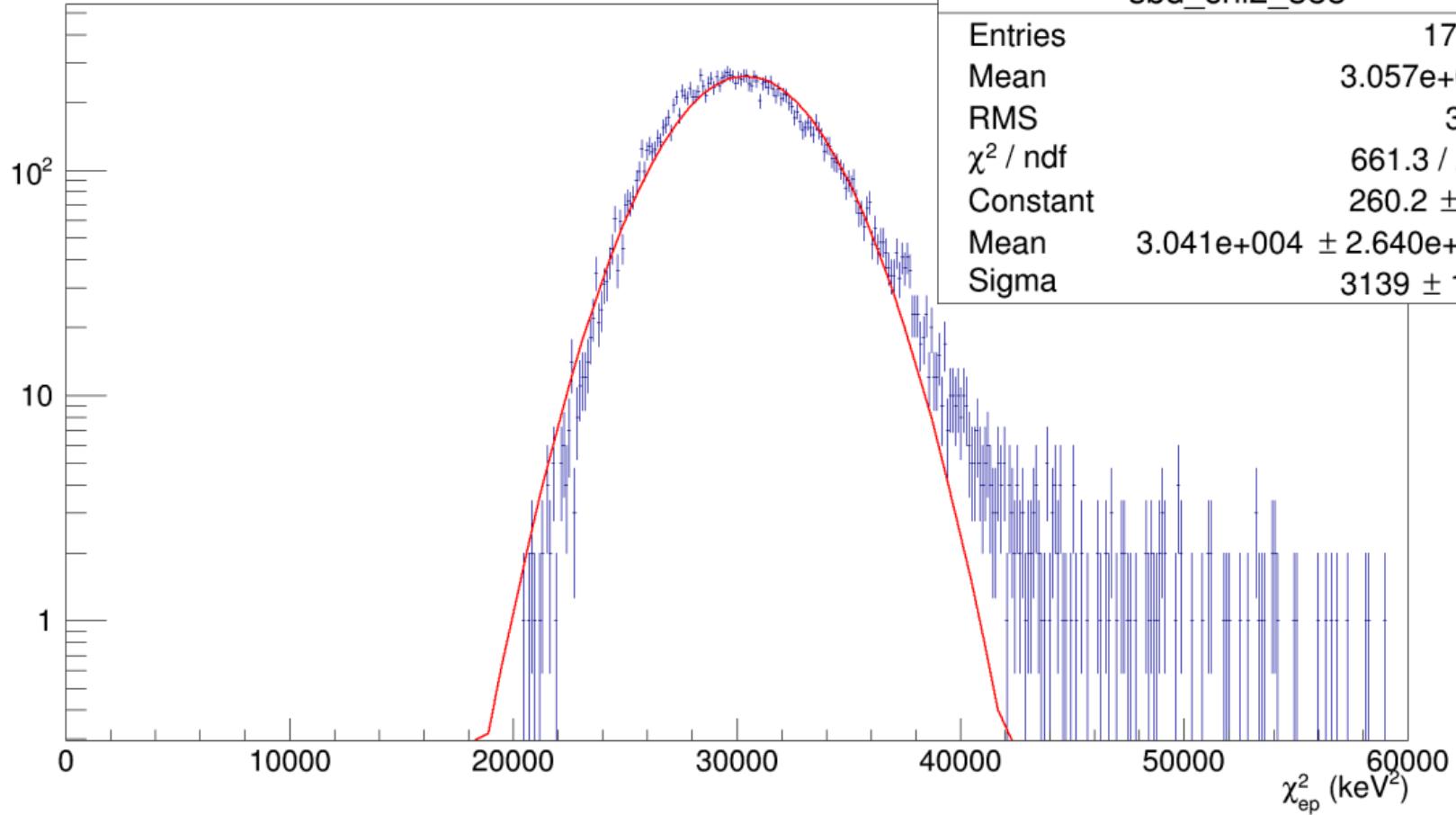
probability



sbd_chi2_387	
Entries	17954
Mean	3.054e+004
RMS	3649
χ^2 / ndf	737.4 / 252
Constant	264.7 ± 2.5
Mean	3.036e+004 ± 2.624e+001
Sigma	3110 ± 17.8

χ^2_{ep} from 388.00 keV to 389.00 keV

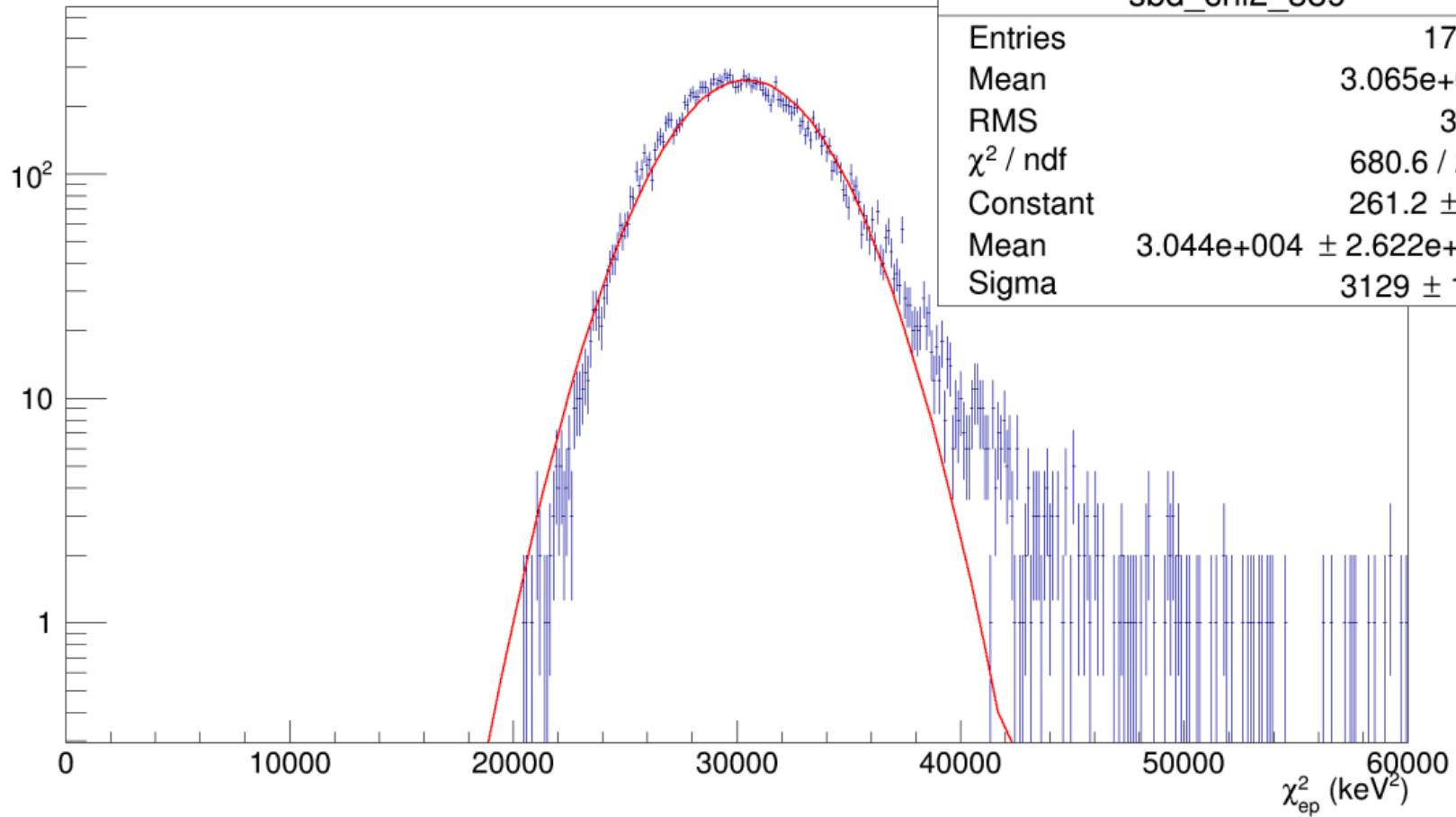
probability



sbd_chi2_388	
Entries	17747
Mean	3.057e+004
RMS	3611
χ^2 / ndf	661.3 / 249
Constant	260.2 ± 2.5
Mean	3.041e+004 ± 2.640e+001
Sigma	3139 ± 18.4

χ^2_{ep} from 389.00 keV to 390.00 keV

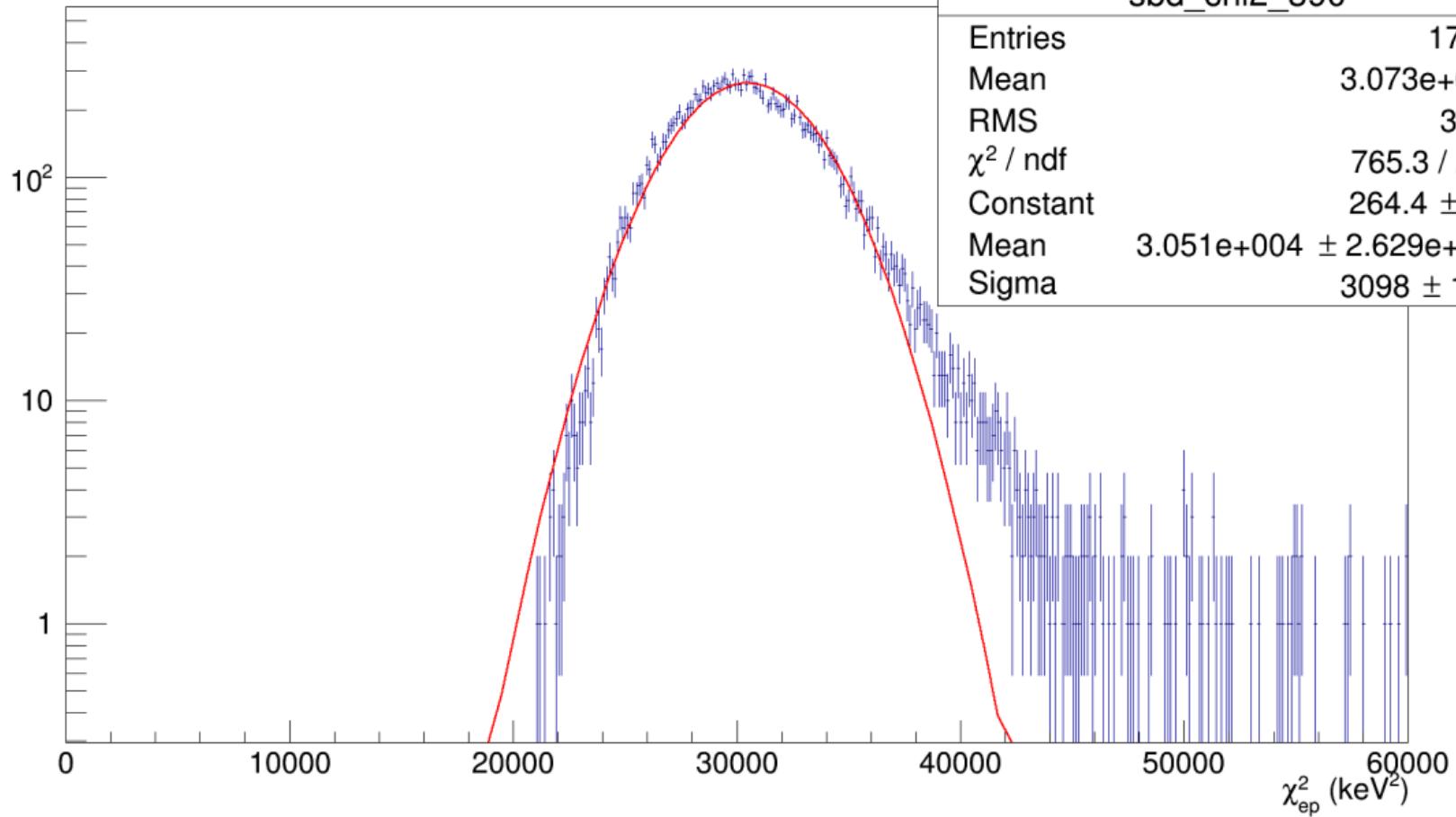
probability



sbd_chi2_389	
Entries	17768
Mean	3.065e+004
RMS	3645
χ^2 / ndf	680.6 / 254
Constant	261.2 ± 2.5
Mean	3.044e+004 ± 2.622e+001
Sigma	3129 ± 18.4

χ^2_{ep} from 390.00 keV to 391.00 keV

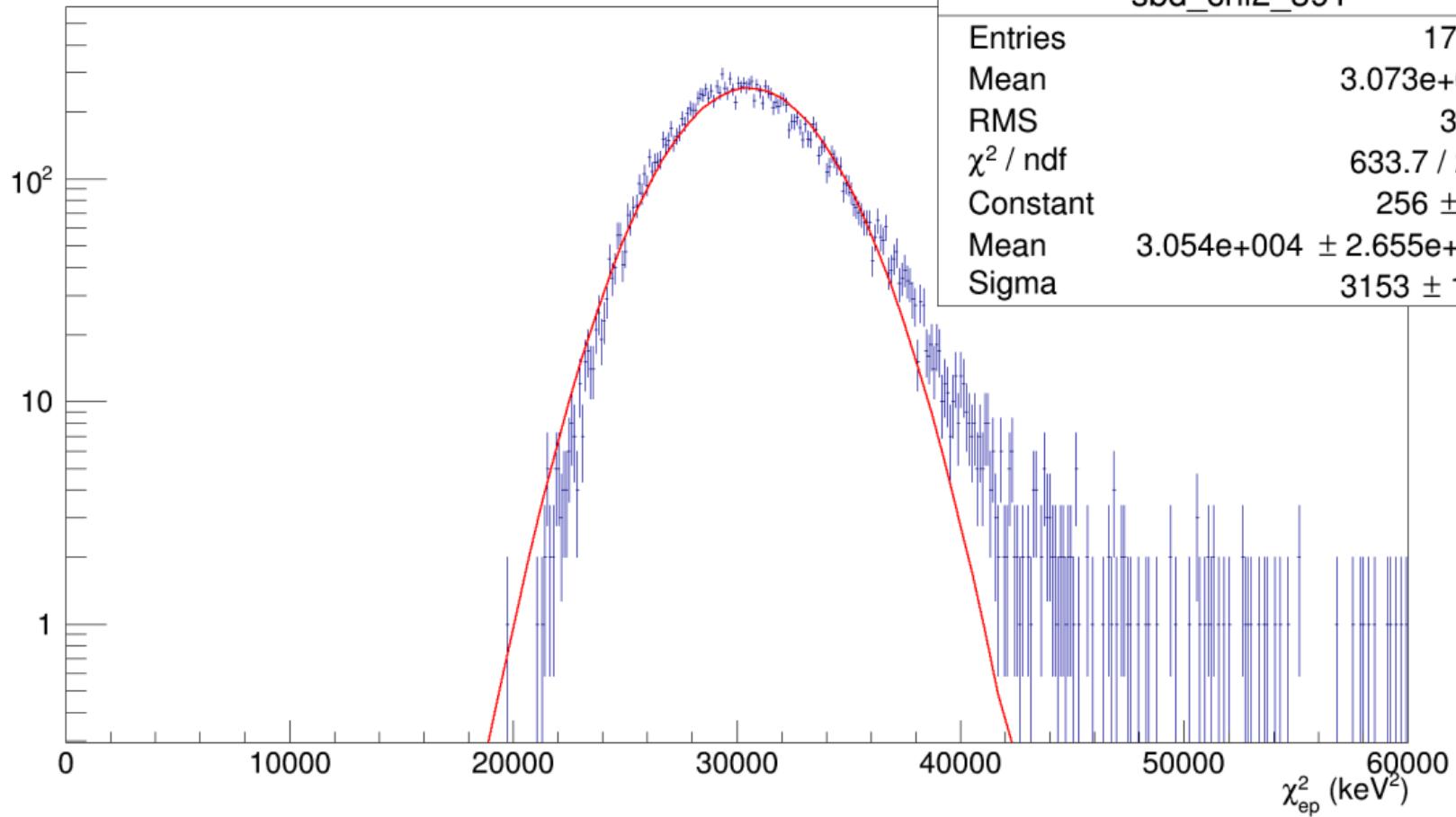
probability



sbd_chi2_390	
Entries	17891
Mean	3.073e+004
RMS	3658
χ^2 / ndf	765.3 / 252
Constant	264.4 ± 2.6
Mean	3.051e+004 ± 2.629e+001
Sigma	3098 ± 18.5

χ^2_{ep} from 391.00 keV to 392.00 keV

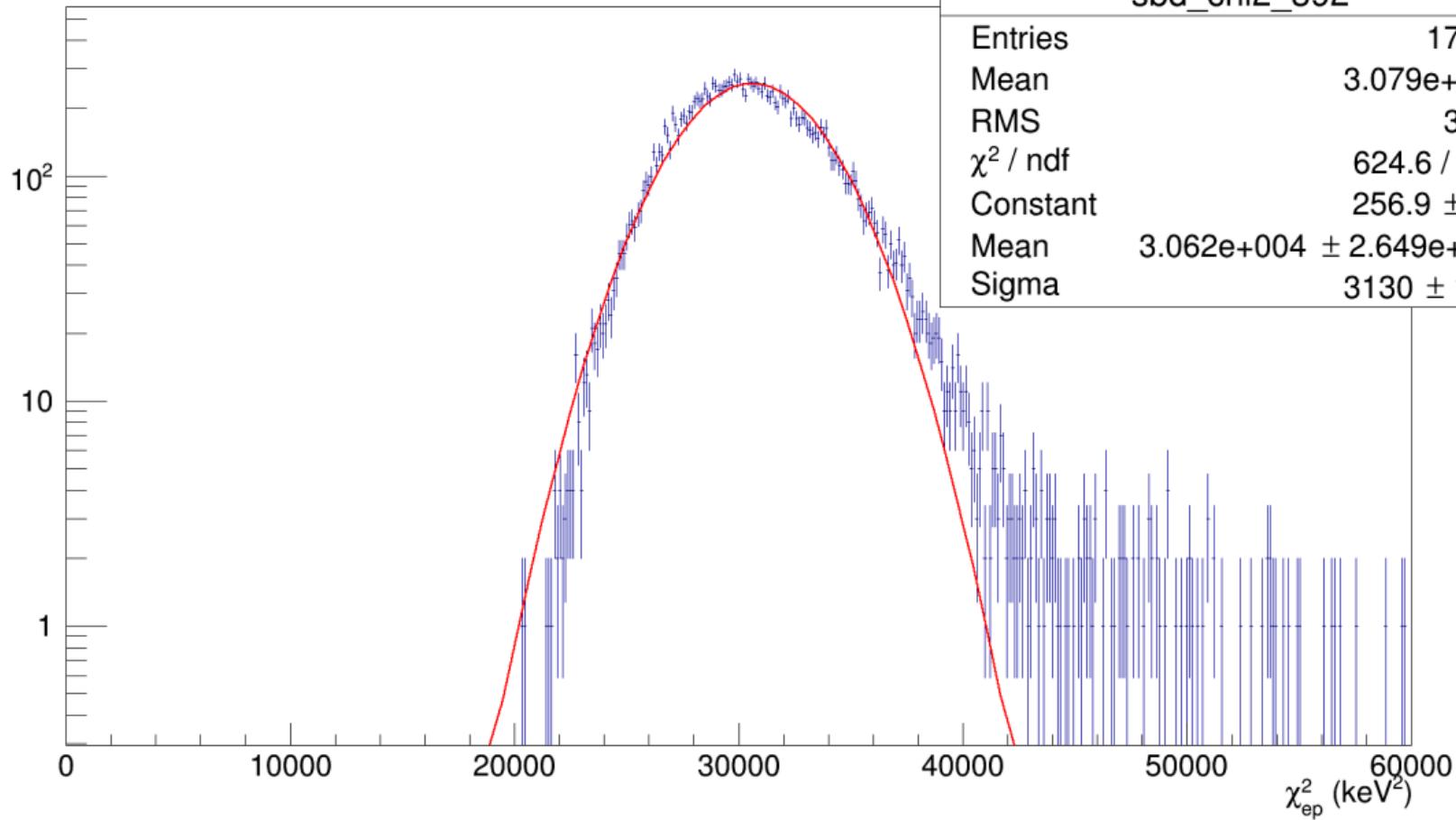
probability



sbd_chi2_391	
Entries	17505
Mean	3.073e+004
RMS	3603
χ^2 / ndf	633.7 / 247
Constant	256 ± 2.5
Mean	3.054e+004 ± 2.655e+001
Sigma	3153 ± 19.3

χ^2_{ep} from 392.00 keV to 393.00 keV

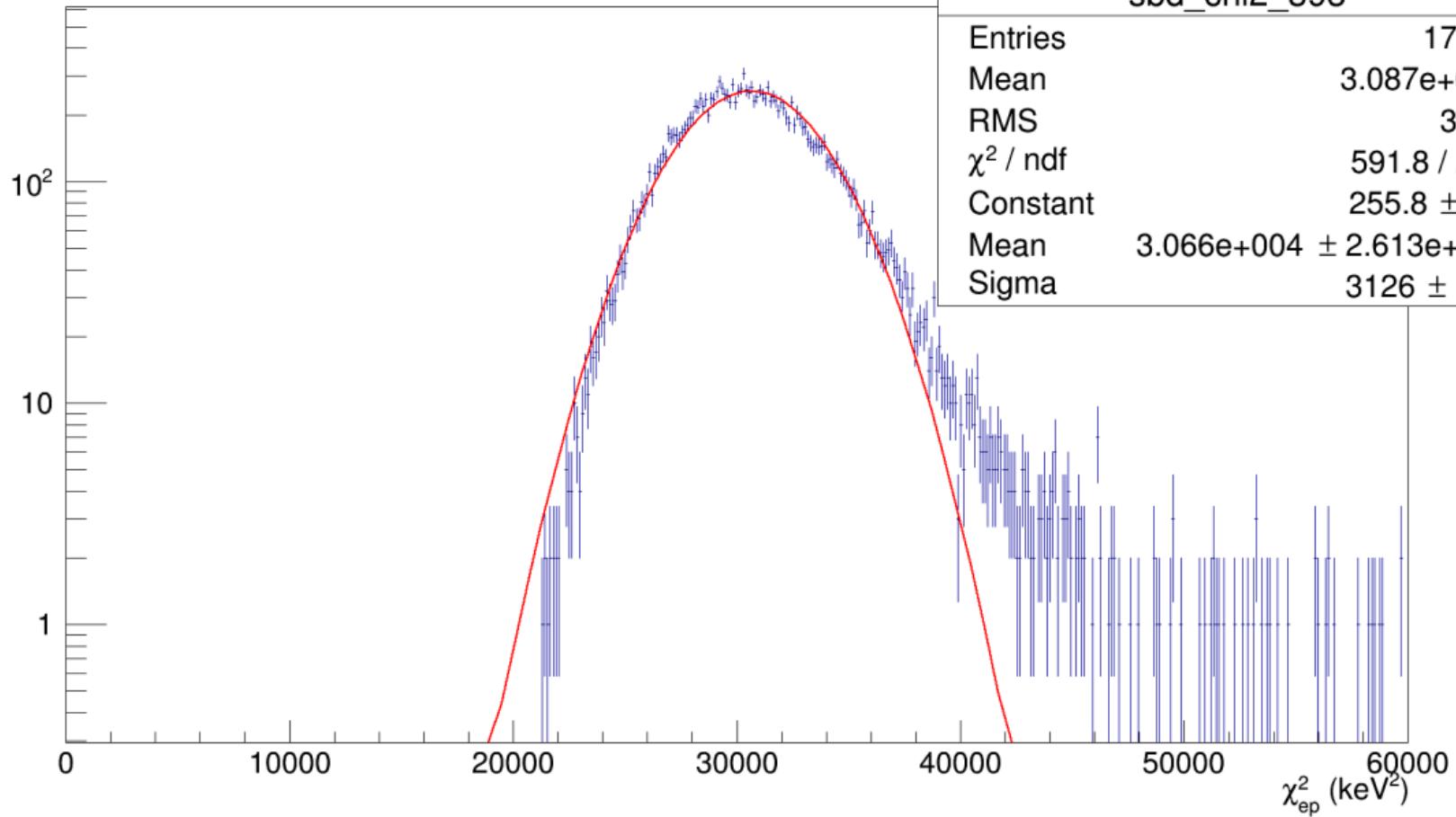
probability



sbd_chi2_392	
Entries	17420
Mean	3.079e+004
RMS	3580
χ^2 / ndf	624.6 / 247
Constant	256.9 ± 2.5
Mean	3.062e+004 ± 2.649e+001
Sigma	3130 ± 18.6

χ^2_{ep} from 393.00 keV to 394.00 keV

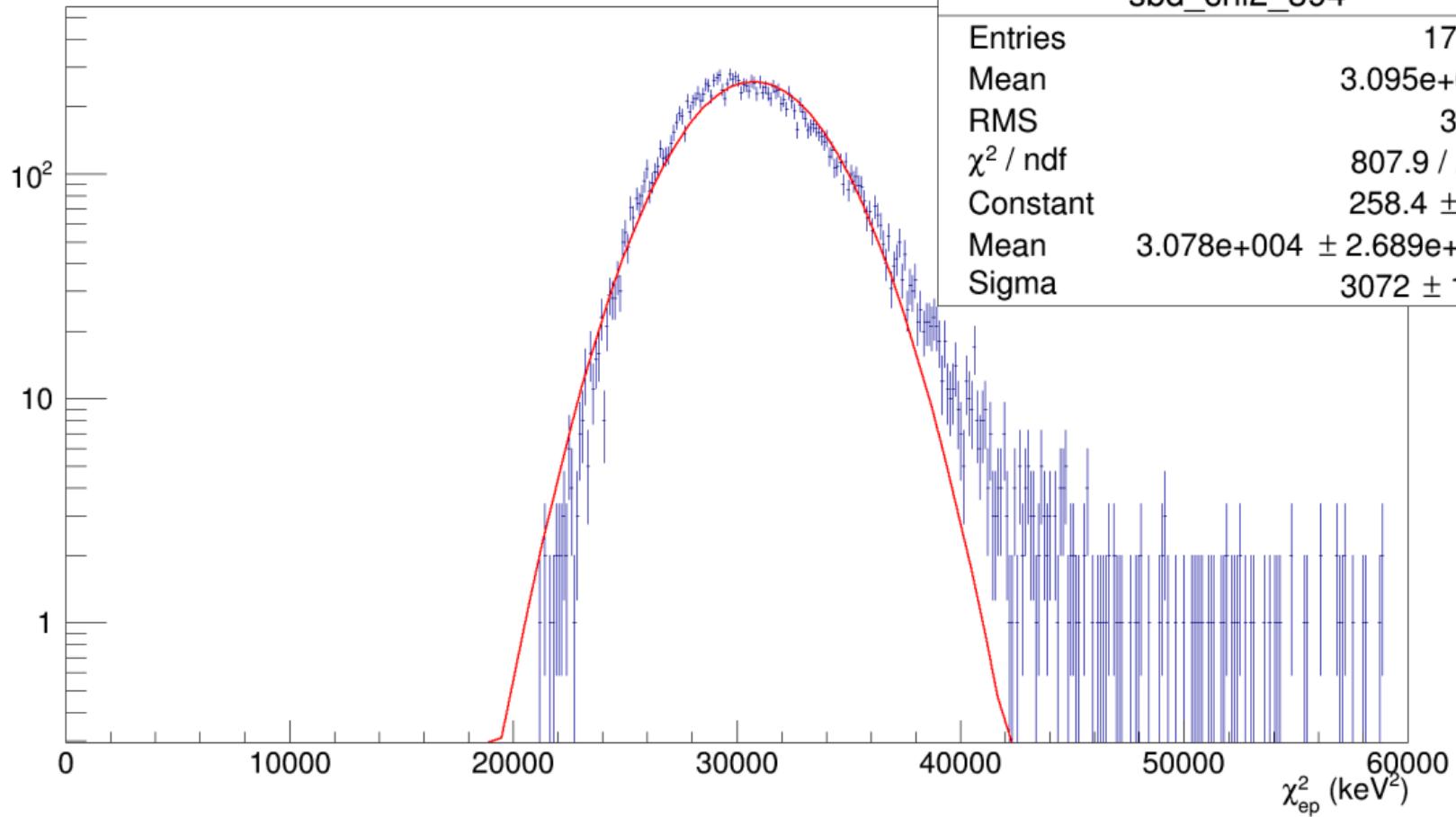
probability



sbd_chi2_393	
Entries	17298
Mean	3.087e+004
RMS	3597
χ^2 / ndf	591.8 / 239
Constant	255.8 ± 2.5
Mean	3.066e+004 ± 2.613e+001
Sigma	3126 ± 19.1

χ^2_{ep} from 394.00 keV to 395.00 keV

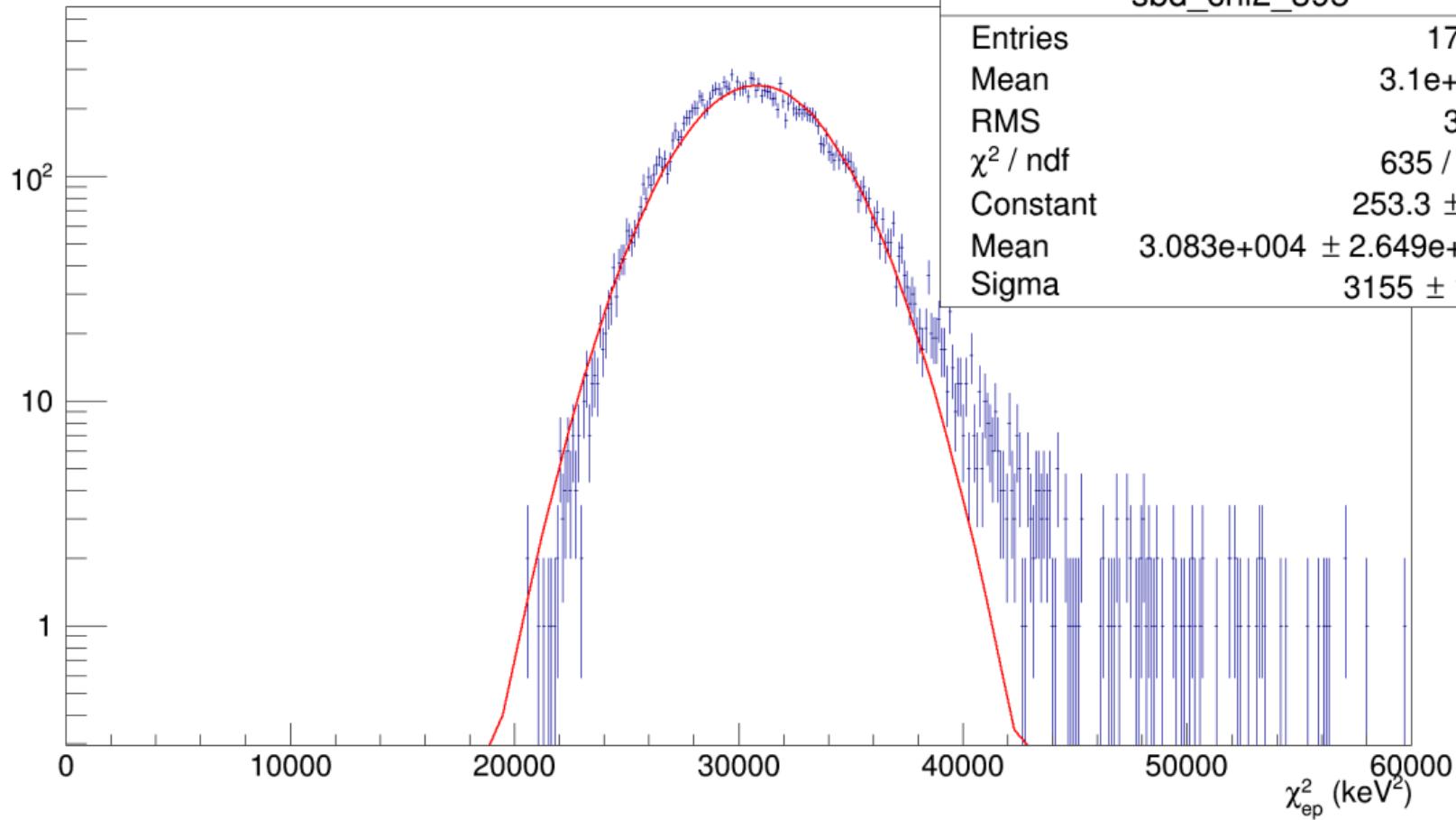
probability



sbd_chi2_394	
Entries	17410
Mean	3.095e+004
RMS	3623
χ^2 / ndf	807.9 / 255
Constant	258.4 ± 2.5
Mean	3.078e+004 ± 2.689e+001
Sigma	3072 ± 18.3

χ^2_{ep} from 395.00 keV to 396.00 keV

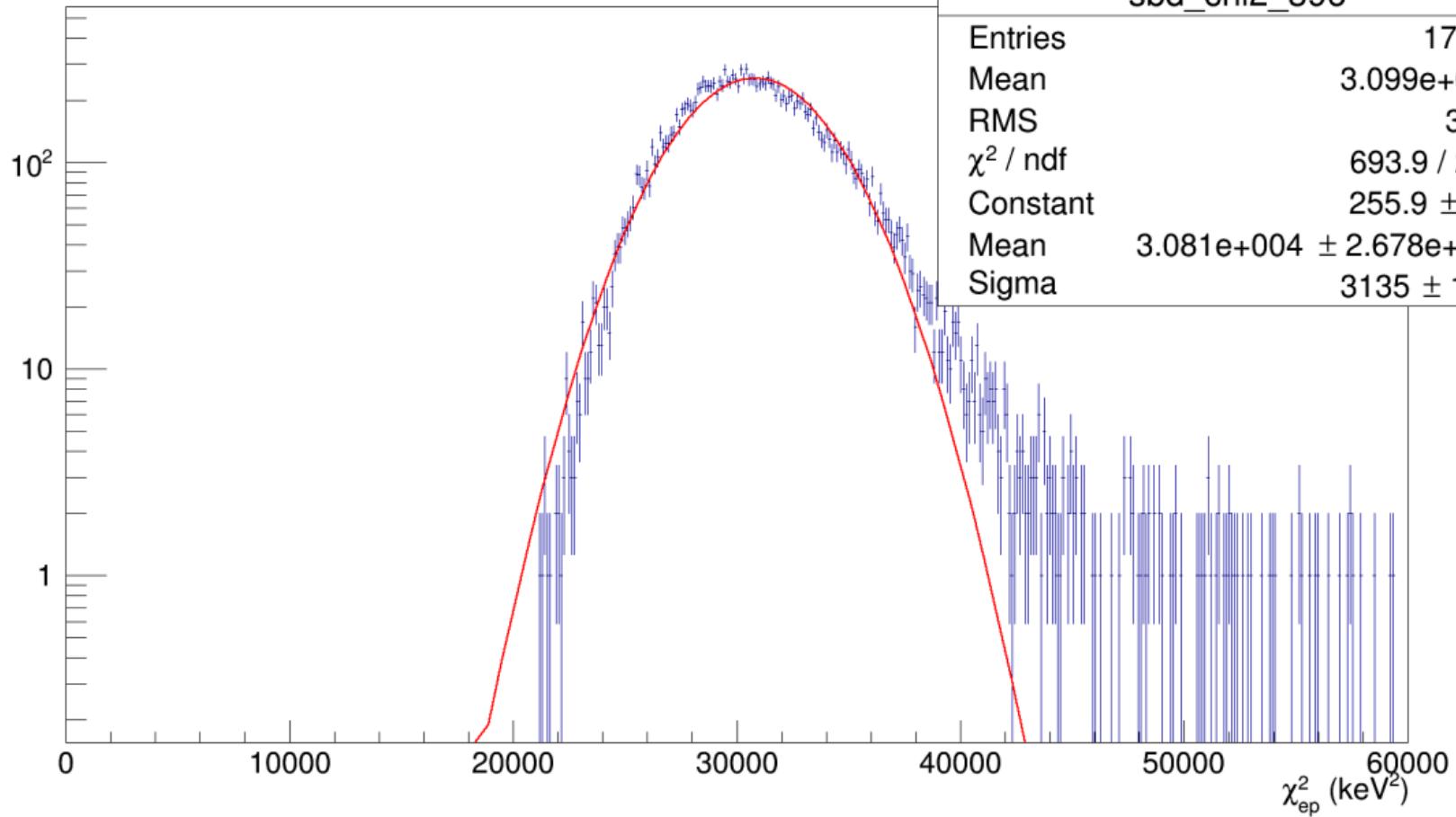
probability



sbd_chi2_395	
Entries	17344
Mean	3.1e+004
RMS	3606
χ^2 / ndf	635 / 245
Constant	253.3 ± 2.4
Mean	3.083e+004 ± 2.649e+001
Sigma	3155 ± 18.4

χ^2_{ep} from 396.00 keV to 397.00 keV

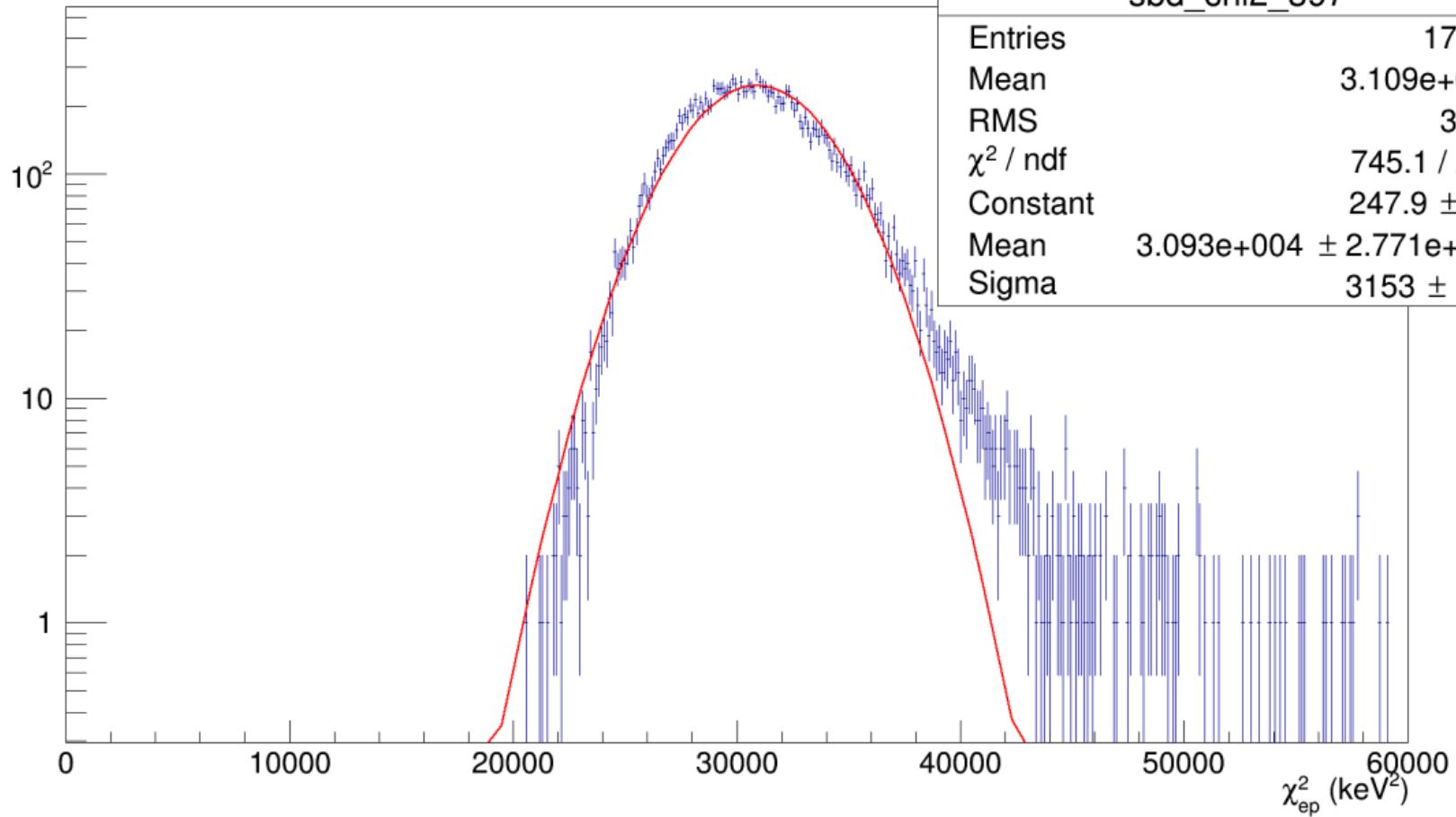
probability



sbd_chi2_396	
Entries	17466
Mean	3.099e+004
RMS	3641
χ^2 / ndf	693.9 / 254
Constant	255.9 ± 2.5
Mean	3.081e+004 ± 2.678e+001
Sigma	3135 ± 18.7

χ^2_{ep} from 397.00 keV to 398.00 keV

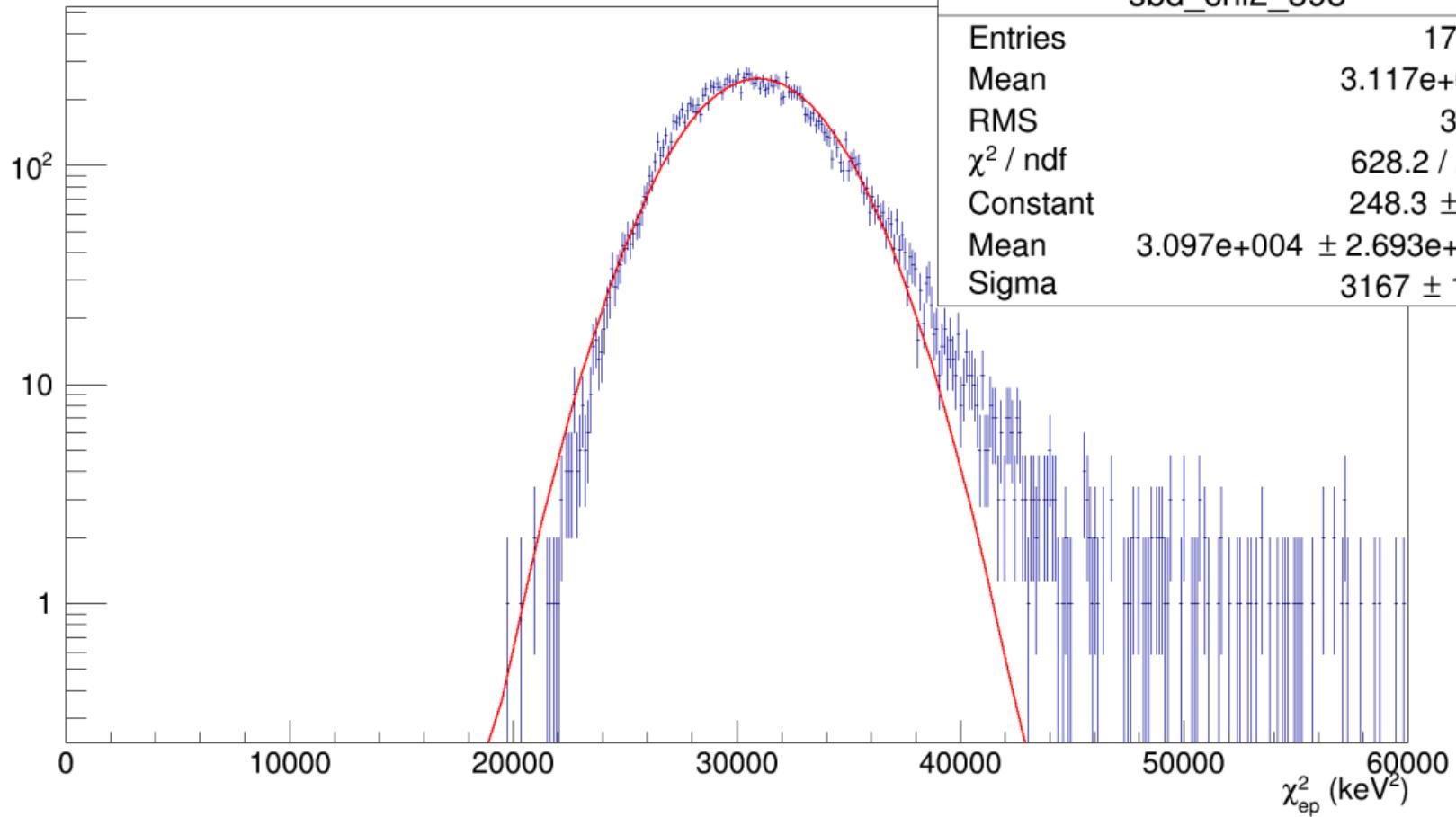
probability



sbd_chi2_397	
Entries	17104
Mean	3.109e+004
RMS	3653
χ^2 / ndf	745.1 / 246
Constant	247.9 \pm 2.4
Mean	3.093e+004 \pm 2.771e+001
Sigma	3153 \pm 19.1

χ^2_{ep} from 398.00 keV to 399.00 keV

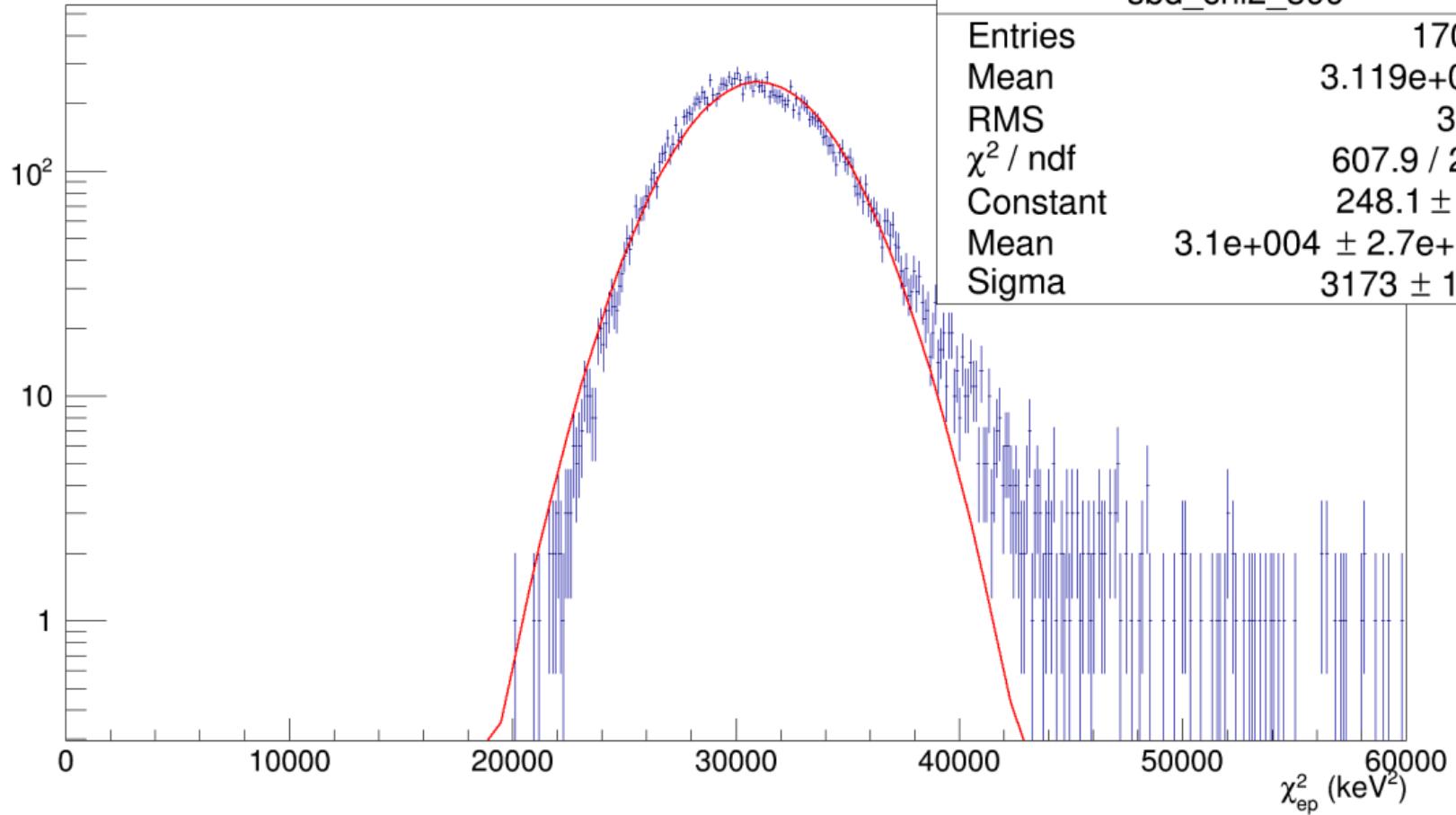
probability



sbd_chi2_398	
Entries	17068
Mean	3.117e+004
RMS	3679
χ^2 / ndf	628.2 / 253
Constant	248.3 ± 2.4
Mean	3.097e+004 ± 2.693e+001
Sigma	3167 ± 19.0

χ^2_{ep} from 399.00 keV to 400.00 keV

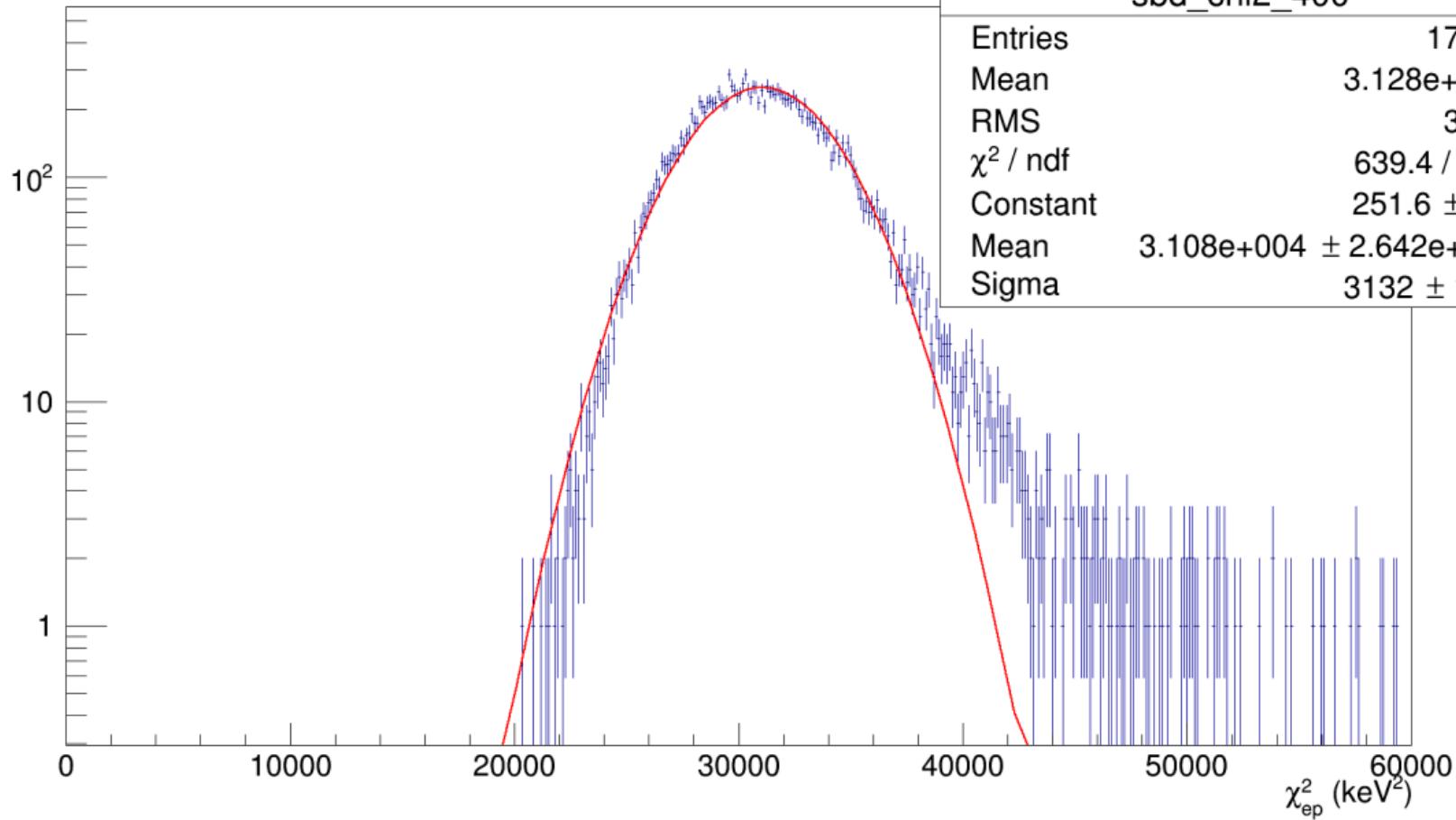
probability



sbd_chi2_399	
Entries	17075
Mean	3.119e+004
RMS	3661
χ^2 / ndf	607.9 / 250
Constant	248.1 ± 2.4
Mean	3.1e+004 ± 2.7e+001
Sigma	3173 ± 19.2

χ^2_{ep} from 400.00 keV to 401.00 keV

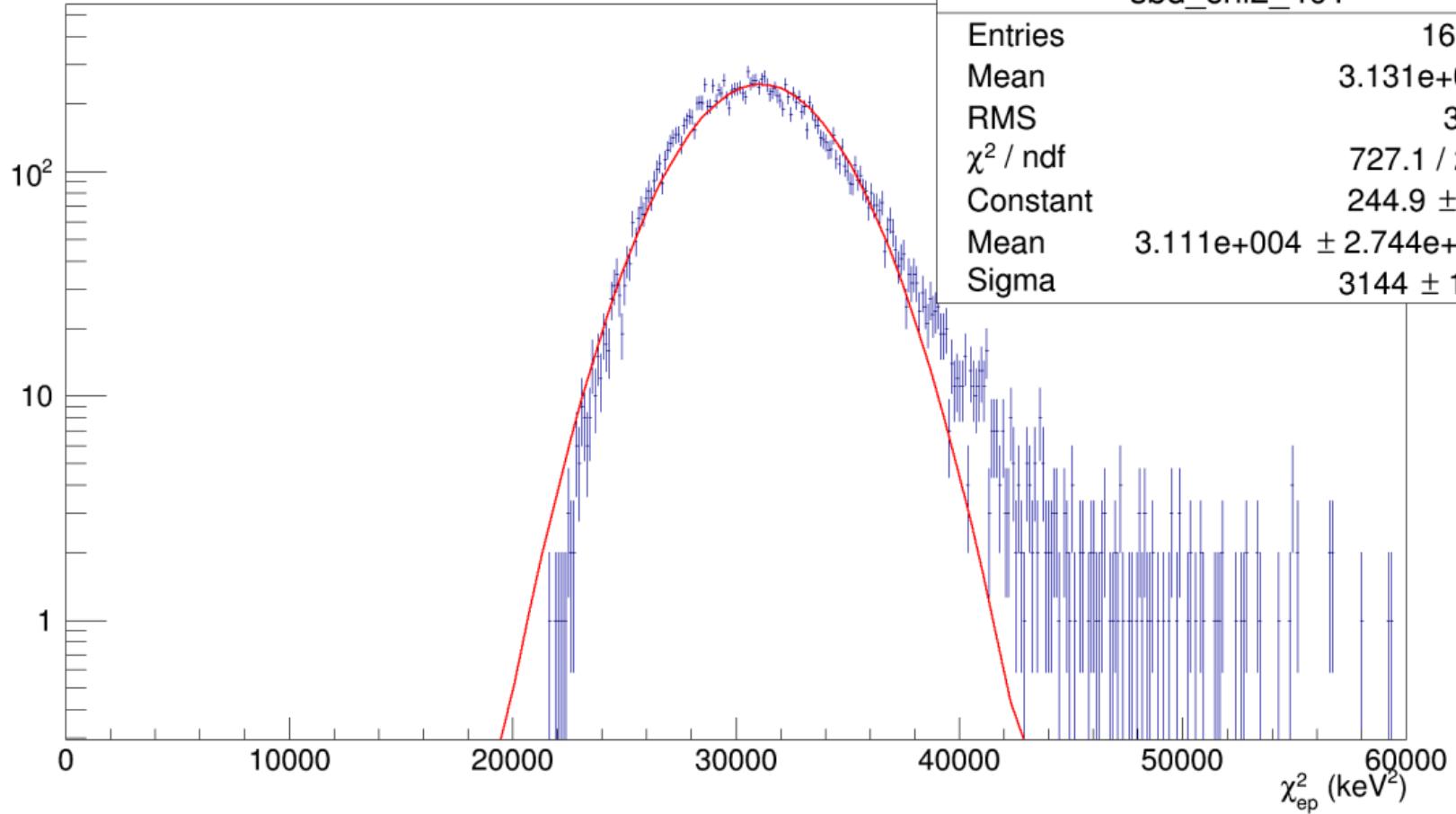
probability



sbd_chi2_400	
Entries	17122
Mean	3.128e+004
RMS	3628
χ^2 / ndf	639.4 / 252
Constant	251.6 ± 2.5
Mean	3.108e+004 ± 2.642e+001
Sigma	3132 ± 18.5

χ^2_{ep} from 401.00 keV to 402.00 keV

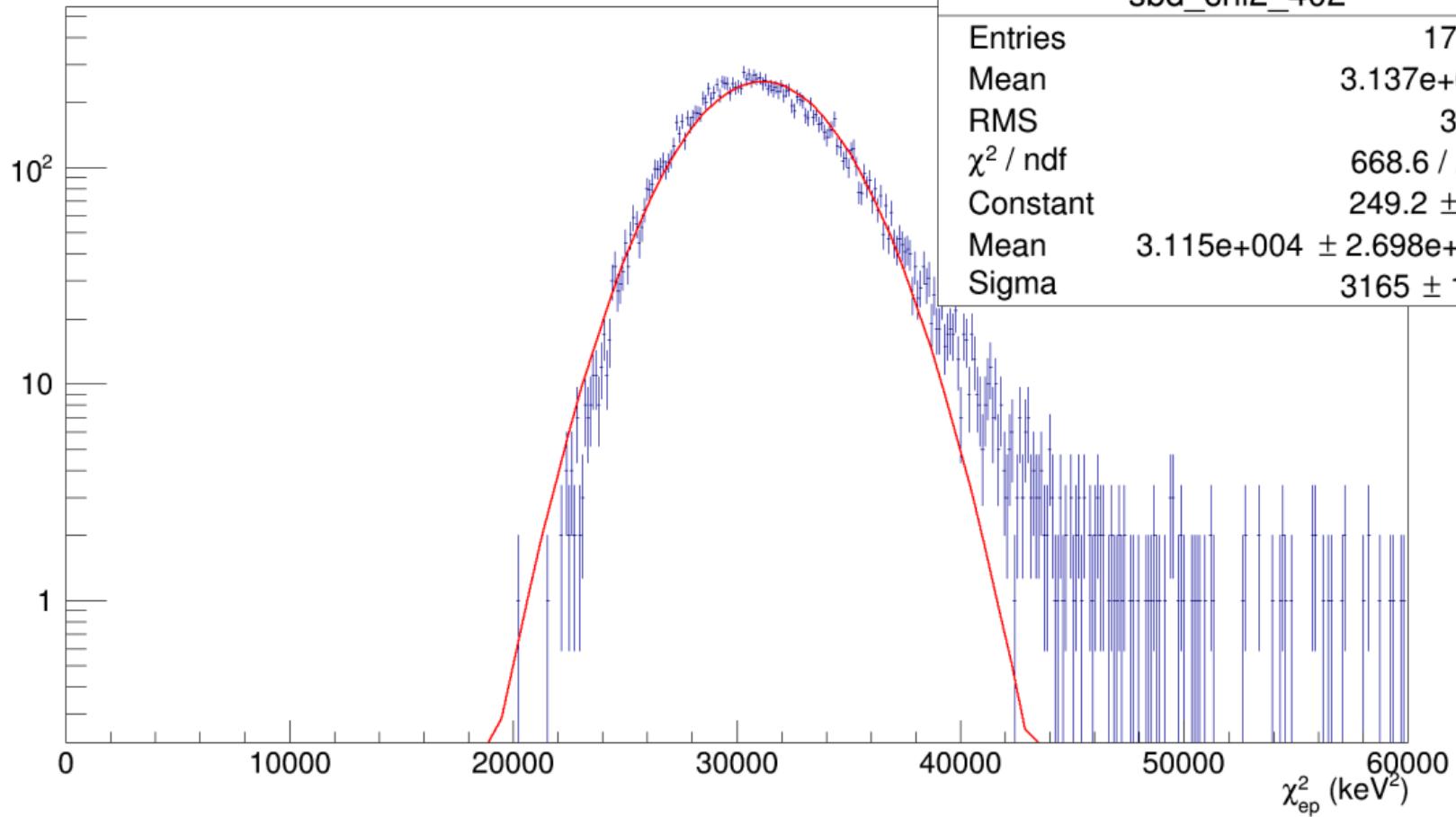
probability



sbd_chi2_401	
Entries	16820
Mean	3.131e+004
RMS	3661
χ^2 / ndf	727.1 / 246
Constant	244.9 \pm 2.4
Mean	3.111e+004 \pm 2.744e+001
Sigma	3144 \pm 18.9

χ^2_{ep} from 402.00 keV to 403.00 keV

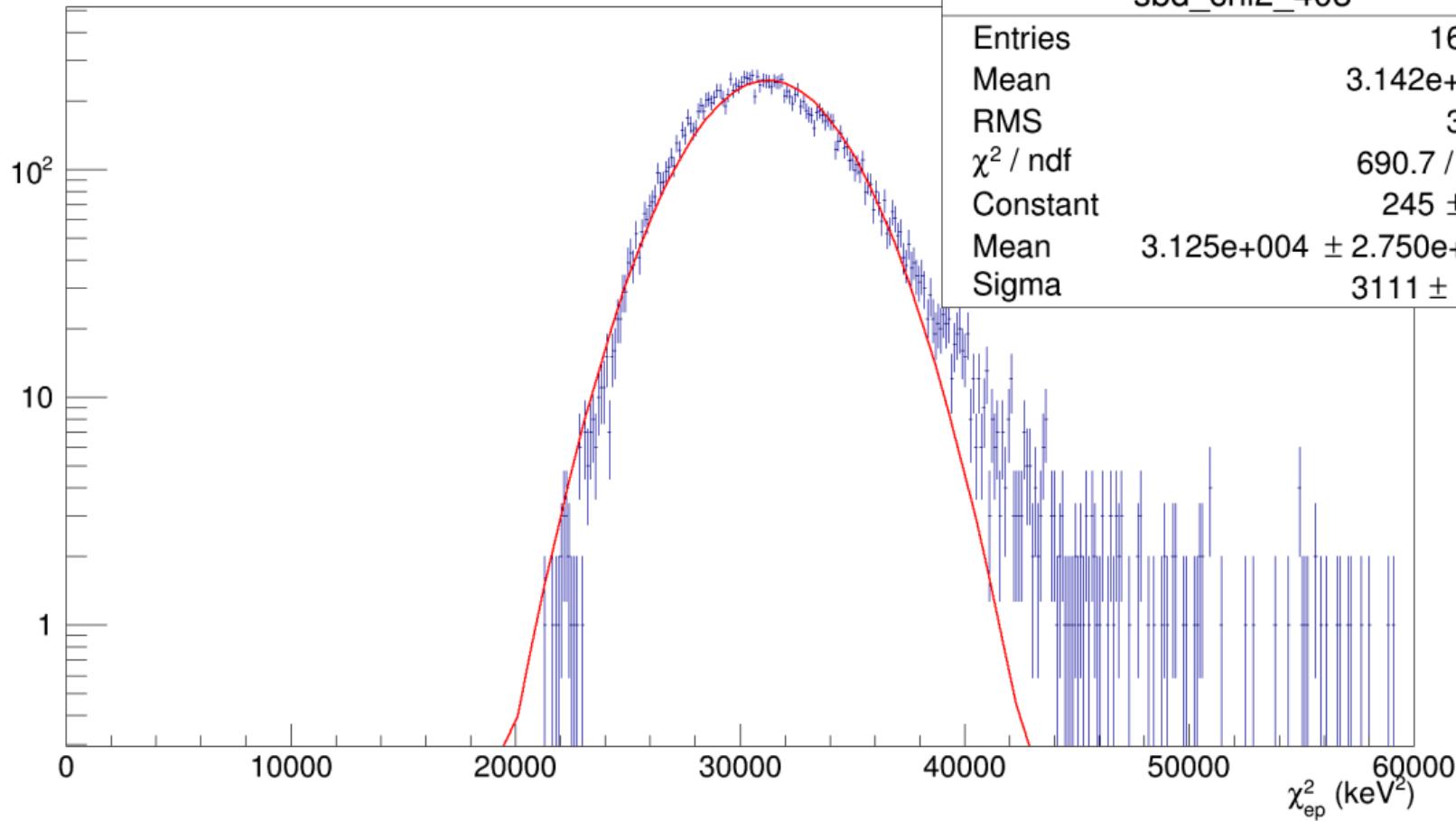
probability



sbd_chi2_402	
Entries	17139
Mean	3.137e+004
RMS	3672
χ^2 / ndf	668.6 / 250
Constant	249.2 ± 2.5
Mean	3.115e+004 ± 2.698e+001
Sigma	3165 ± 19.7

χ^2_{ep} from 403.00 keV to 404.00 keV

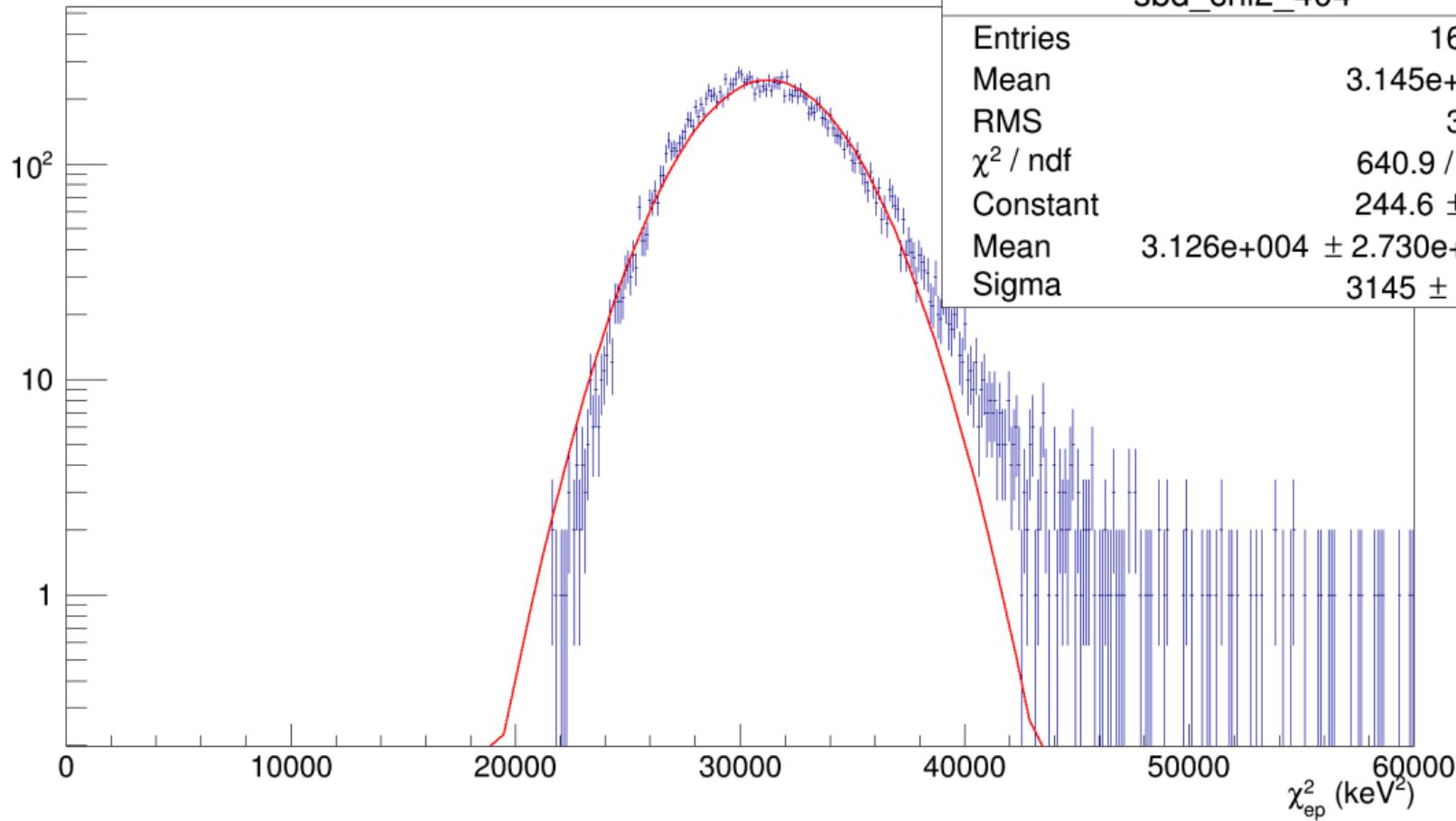
probability



sbd_chi2_403	
Entries	16644
Mean	3.142e+004
RMS	3628
χ^2 / ndf	690.7 / 245
Constant	245 ± 2.4
Mean	3.125e+004 ± 2.750e+001
Sigma	3111 ± 18.5

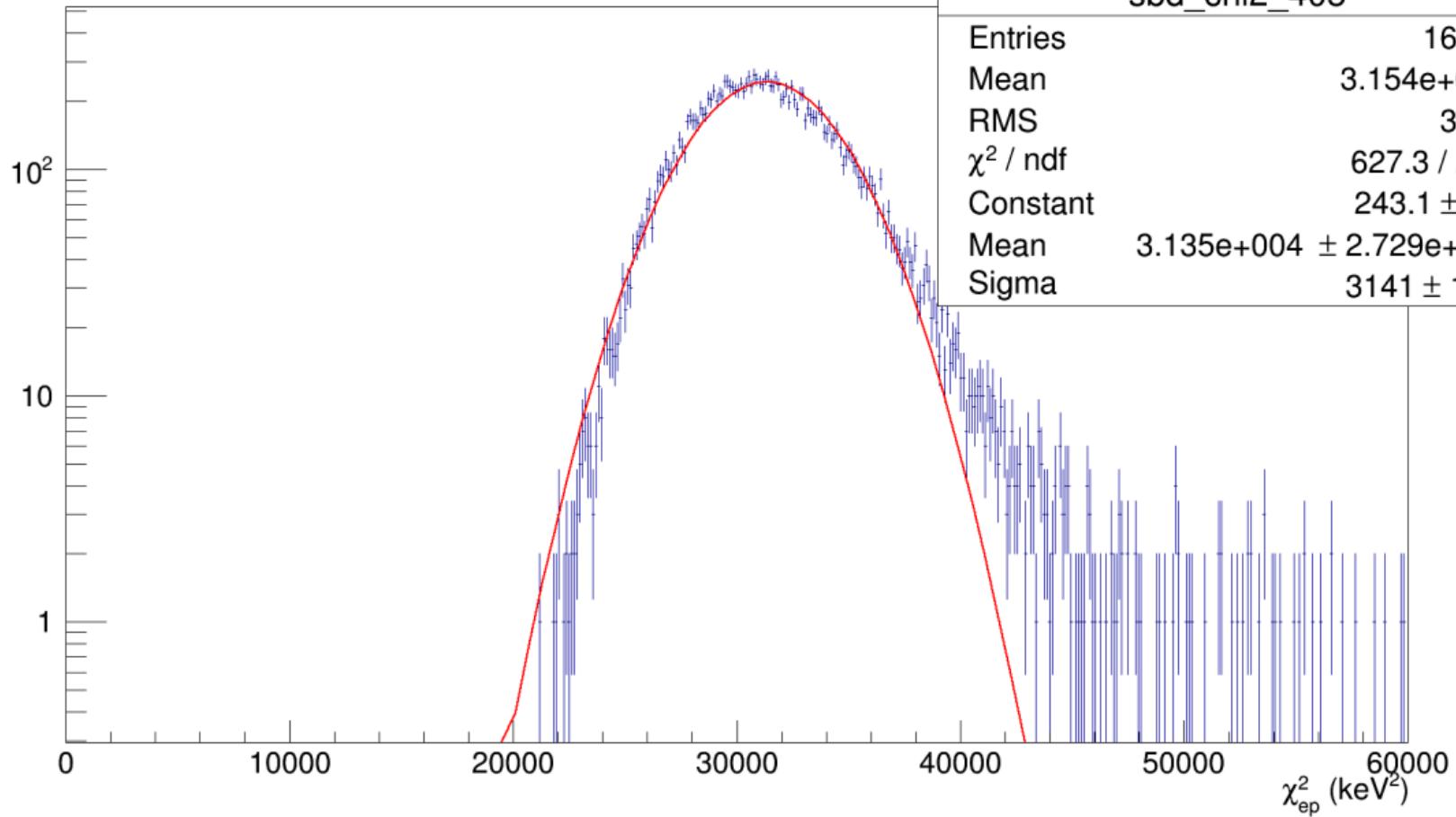
χ^2_{ep} from 404.00 keV to 405.00 keV

probability



χ^2_{ep} from 405.00 keV to 406.00 keV

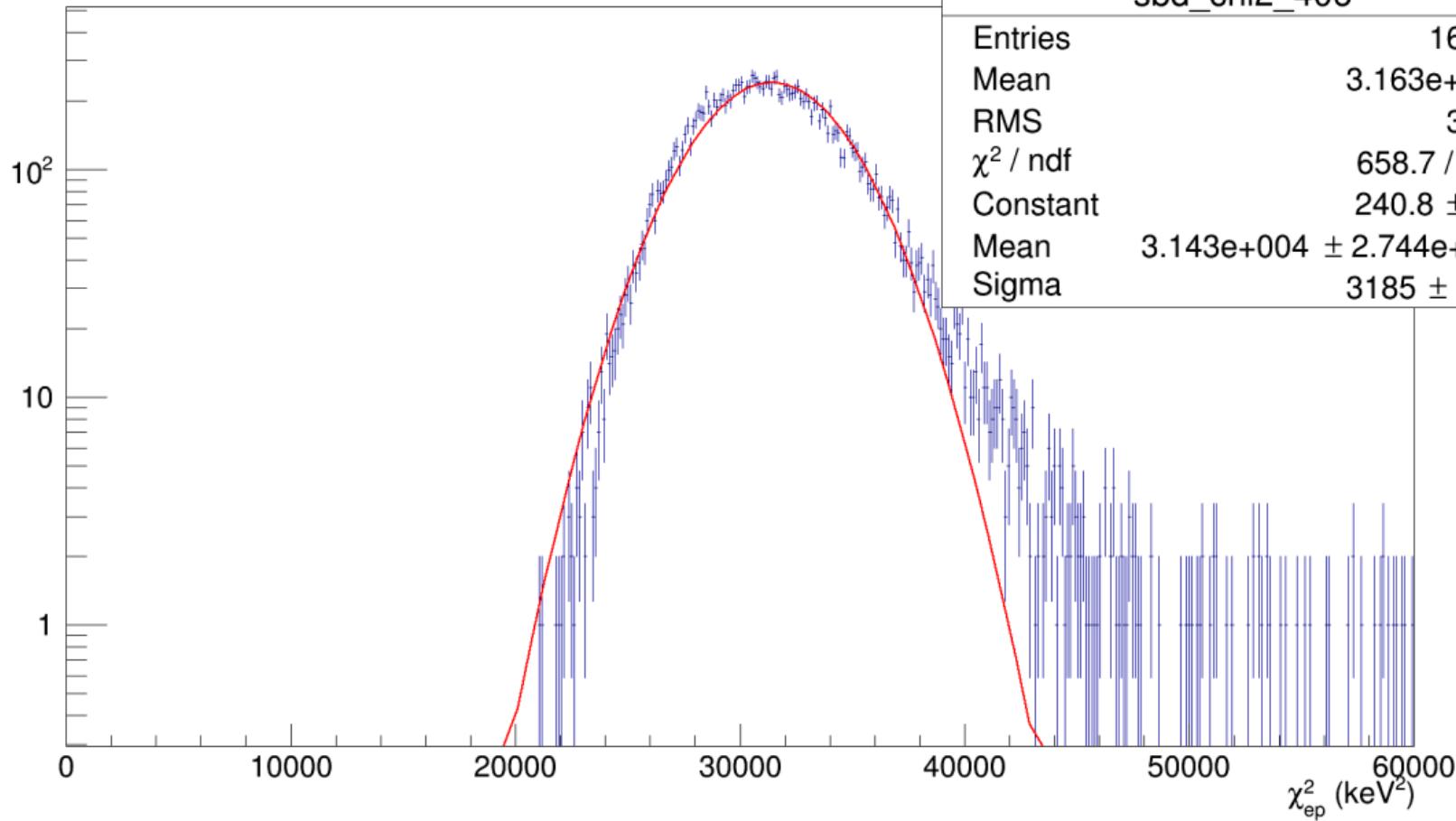
probability



sbd_chi2_405	
Entries	16604
Mean	3.154e+004
RMS	3619
χ^2 / ndf	627.3 / 242
Constant	243.1 ± 2.4
Mean	3.135e+004 ± 2.729e+001
Sigma	3141 ± 19.3

χ^2_{ep} from 406.00 keV to 407.00 keV

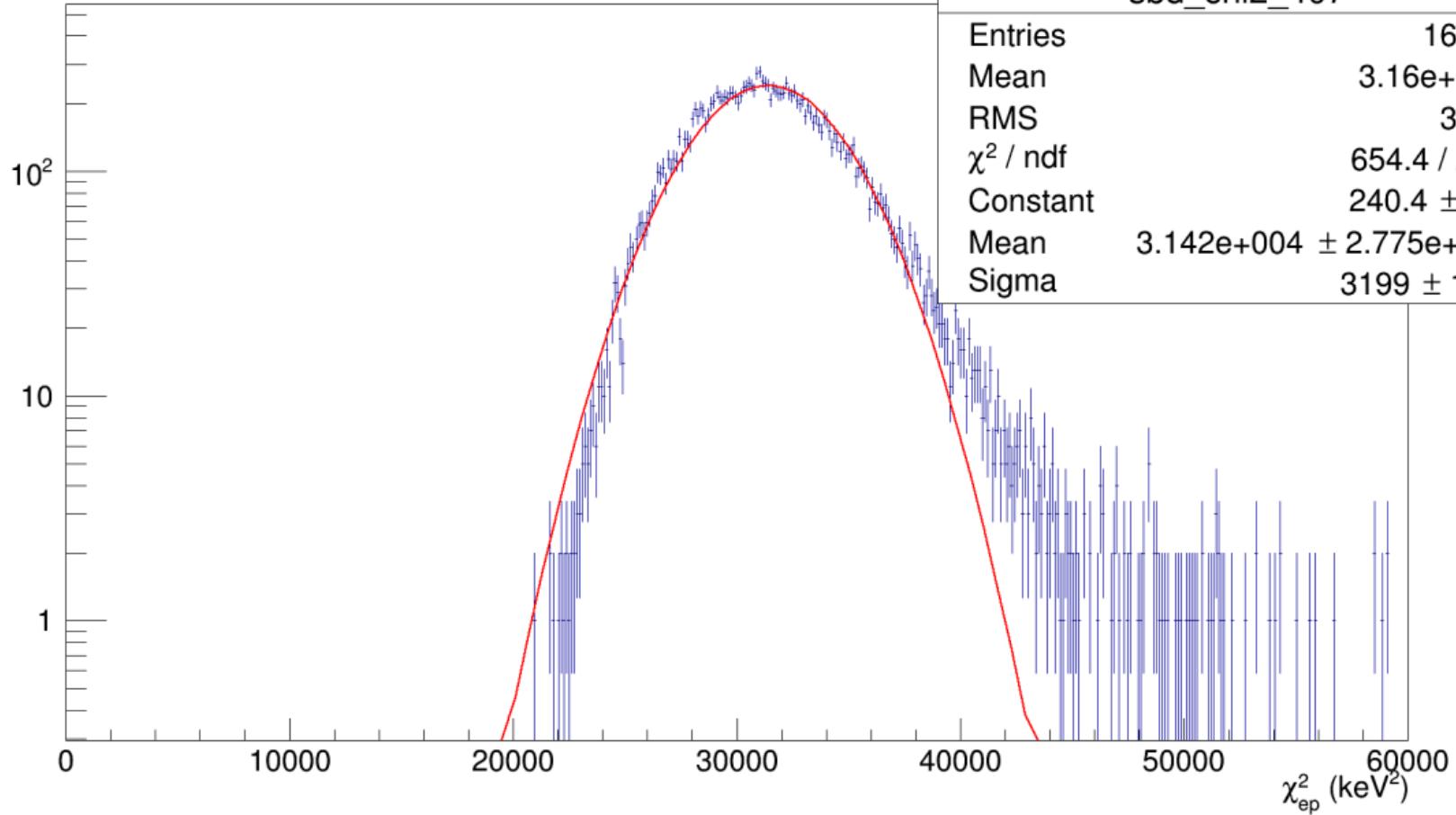
probability



sbd_chi2_406	
Entries	16697
Mean	3.163e+004
RMS	3702
χ^2 / ndf	658.7 / 252
Constant	240.8 ± 2.4
Mean	3.143e+004 ± 2.744e+001
Sigma	3185 ± 19.2

χ^2_{ep} from 407.00 keV to 408.00 keV

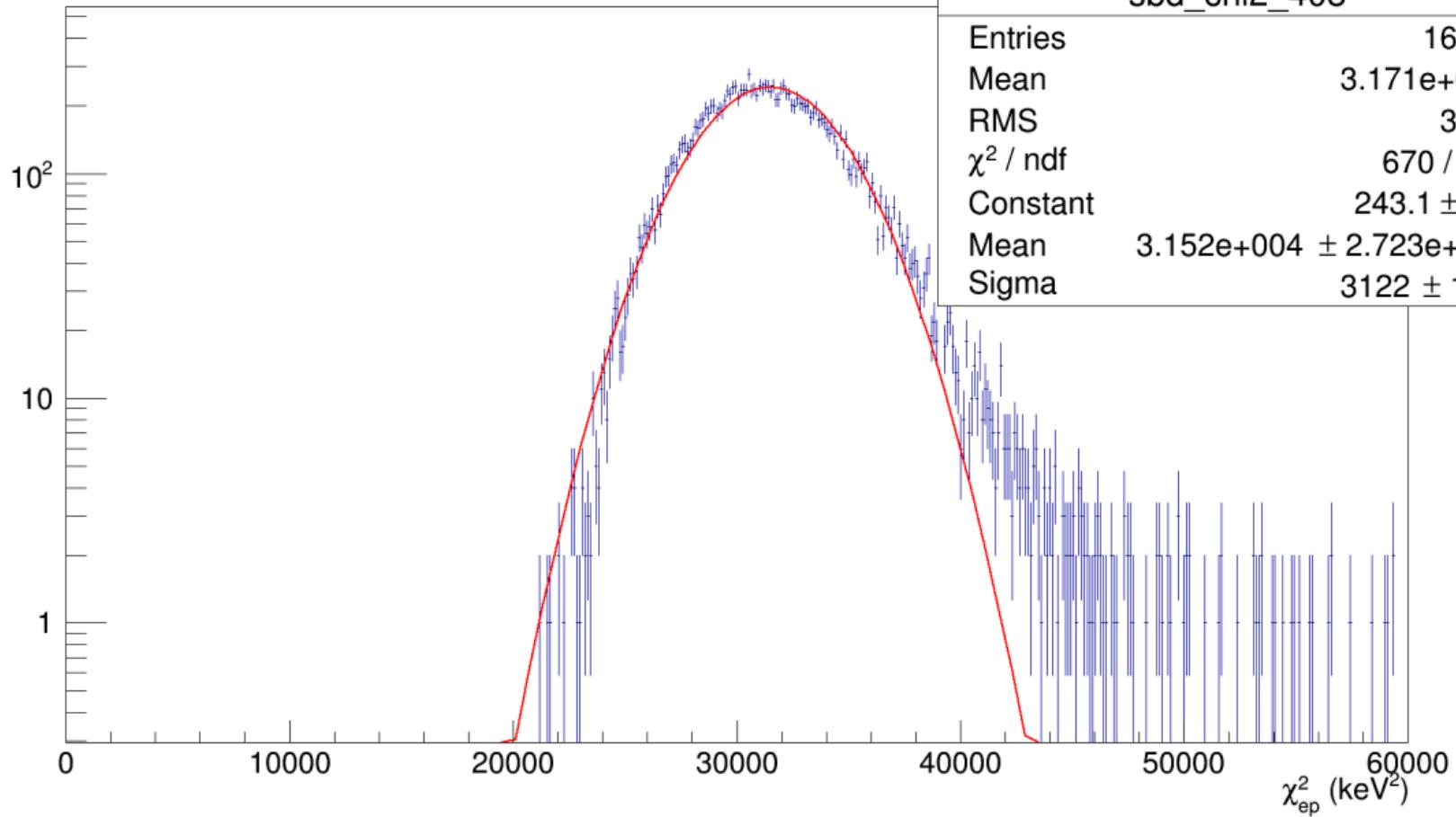
probability



sbd_chi2_407	
Entries	16752
Mean	3.16e+004
RMS	3675
χ^2 / ndf	654.4 / 246
Constant	240.4 ± 2.4
Mean	3.142e+004 ± 2.775e+001
Sigma	3199 ± 19.4

χ^2_{ep} from 408.00 keV to 409.00 keV

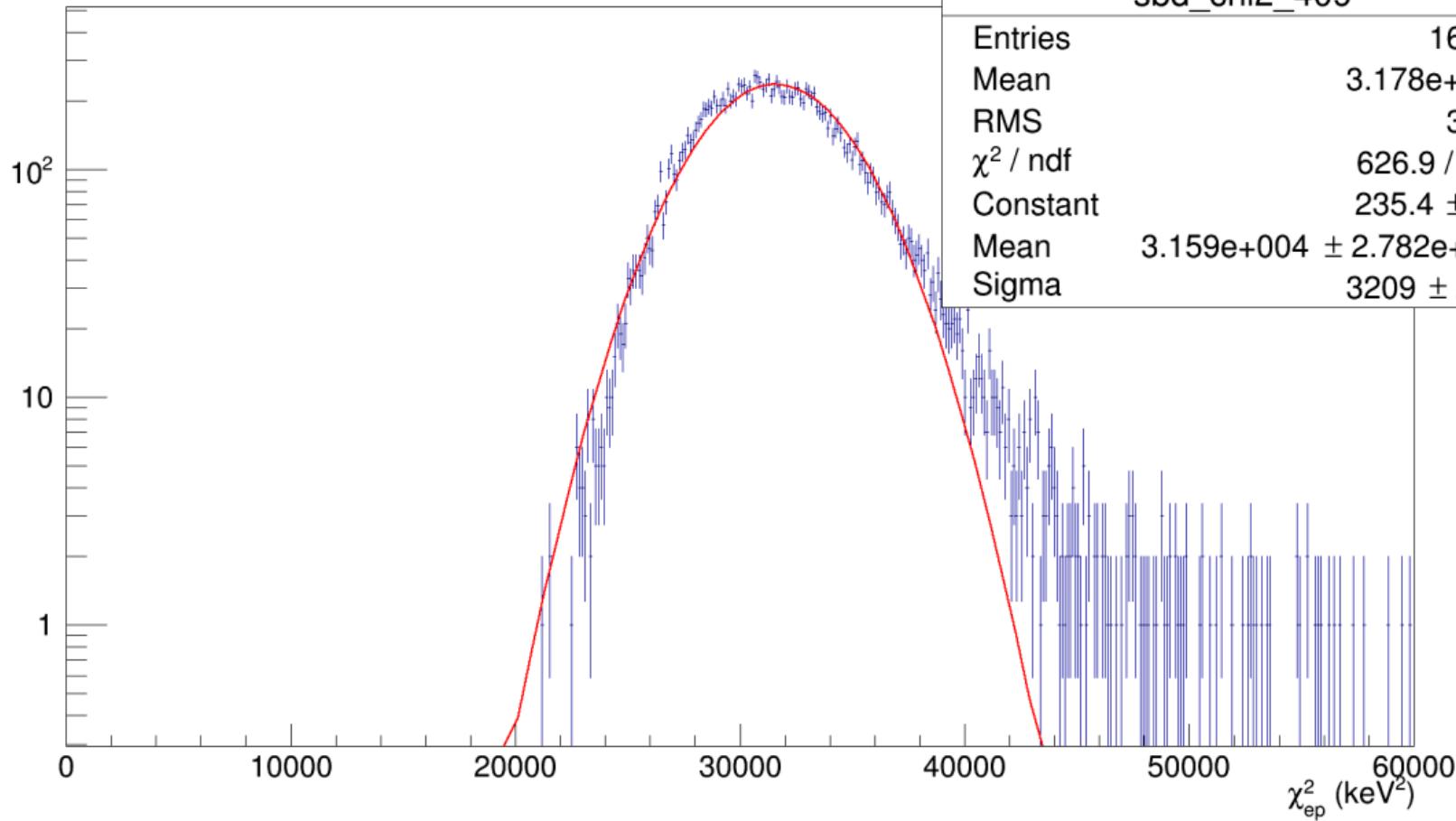
probability



sbd_chi2_408	
Entries	16529
Mean	3.171e+004
RMS	3615
χ^2 / ndf	670 / 241
Constant	243.1 ± 2.4
Mean	3.152e+004 ± 2.723e+001
Sigma	3122 ± 18.9

χ^2_{ep} from 409.00 keV to 410.00 keV

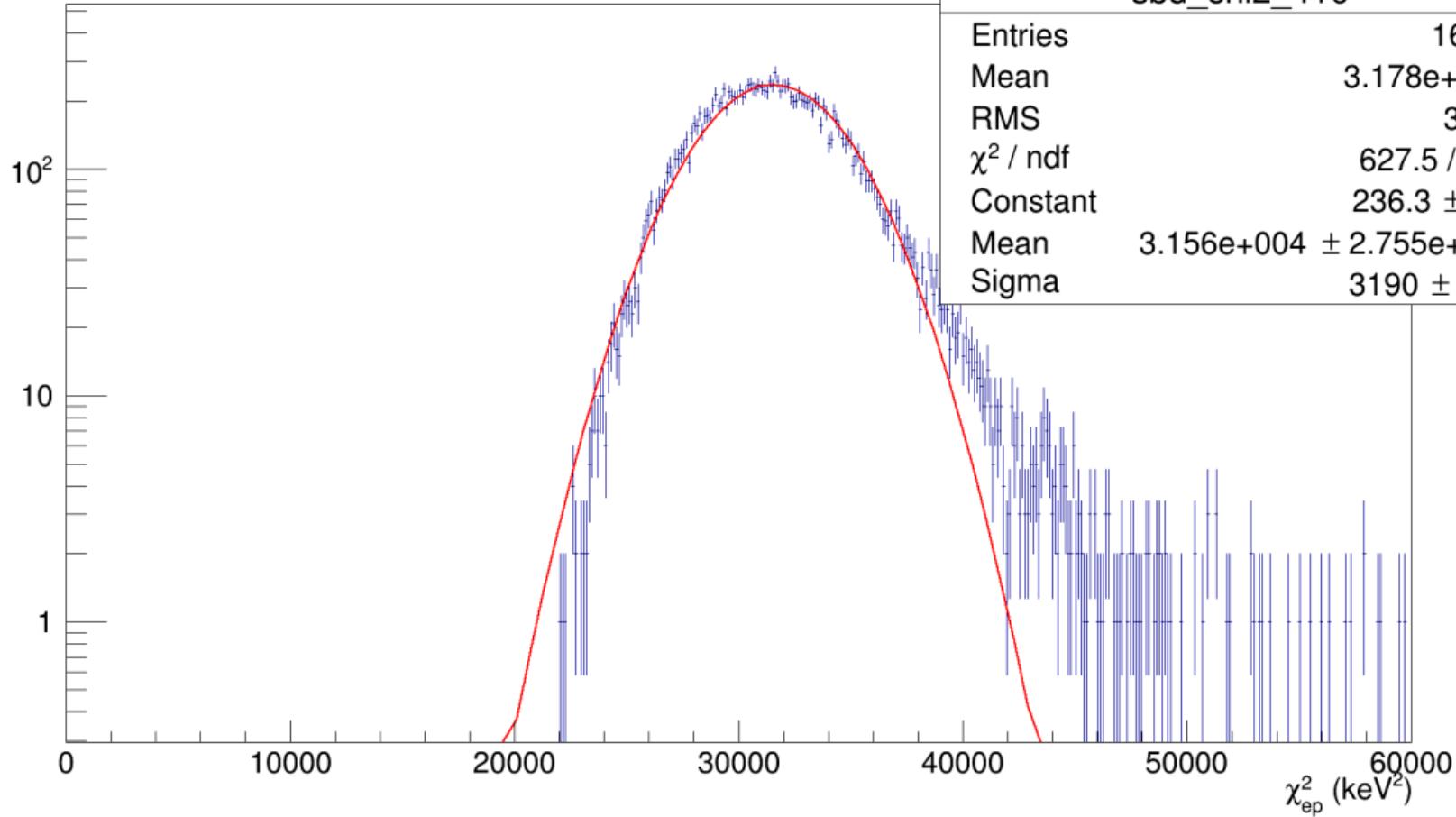
probability



sbd_chi2_409	
Entries	16412
Mean	3.178e+004
RMS	3666
χ^2 / ndf	626.9 / 246
Constant	235.4 ± 2.4
Mean	3.159e+004 ± 2.782e+001
Sigma	3209 ± 20.4

χ^2_{ep} from 410.00 keV to 411.00 keV

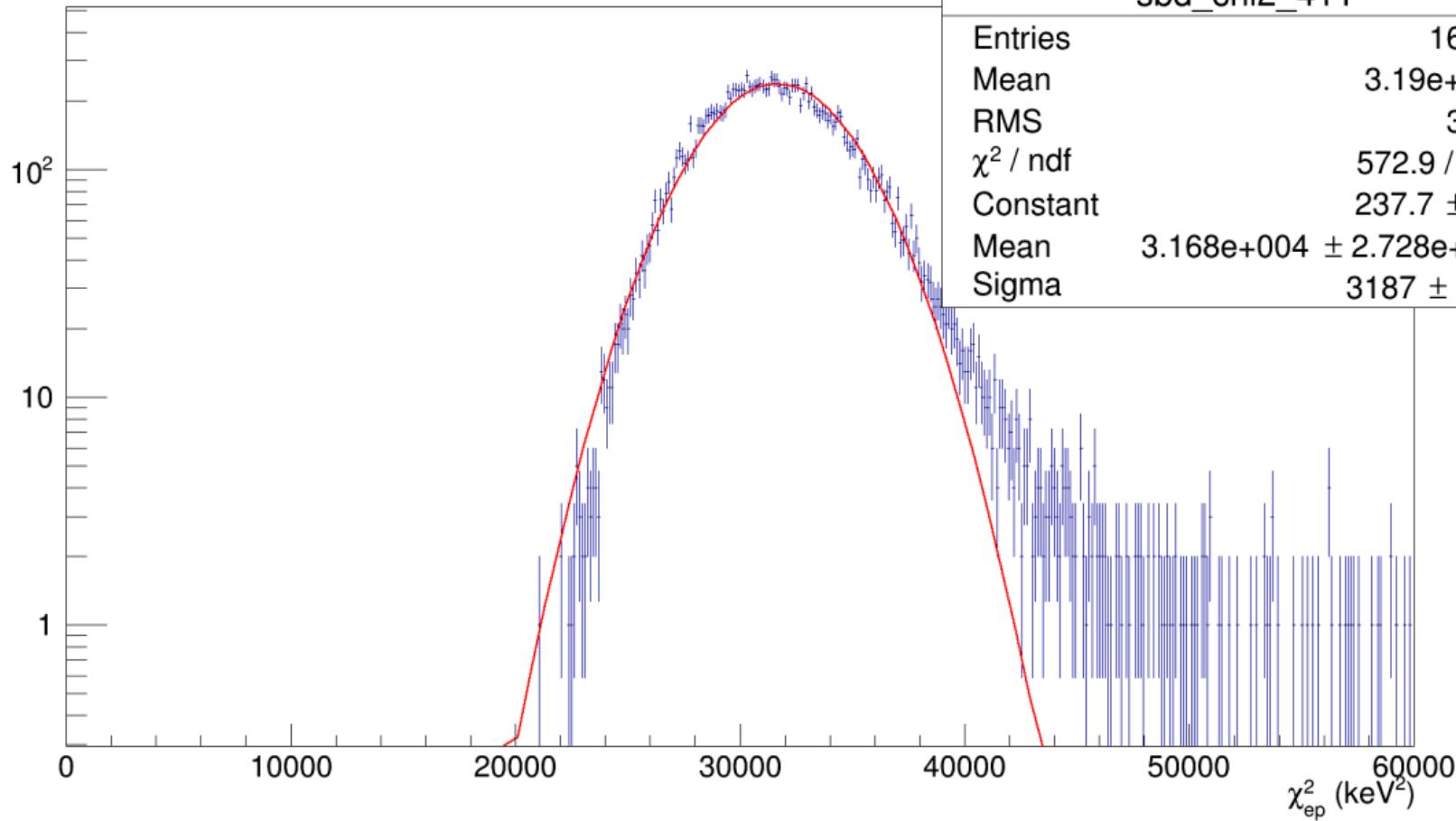
probability



sbd_chi2_410	
Entries	16391
Mean	3.178e+004
RMS	3663
χ^2 / ndf	627.5 / 241
Constant	236.3 ± 2.4
Mean	3.156e+004 ± 2.755e+001
Sigma	3190 ± 20.1

χ^2_{ep} from 411.00 keV to 412.00 keV

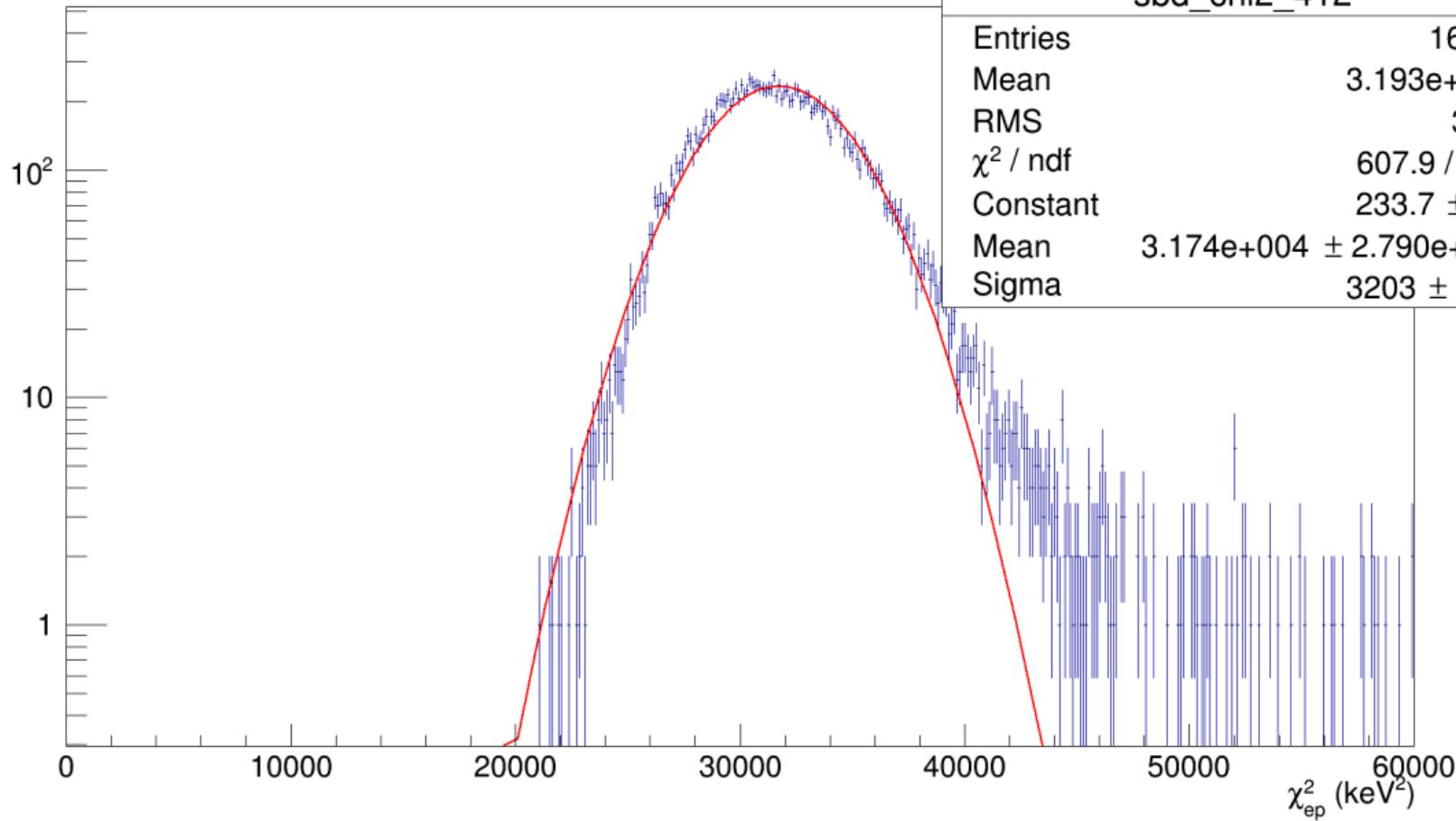
probability



sbd_chi2_411	
Entries	16430
Mean	3.19e+004
RMS	3716
χ^2 / ndf	572.9 / 259
Constant	237.7 ± 2.4
Mean	3.168e+004 ± 2.728e+001
Sigma	3187 ± 19.6

χ^2_{ep} from 412.00 keV to 413.00 keV

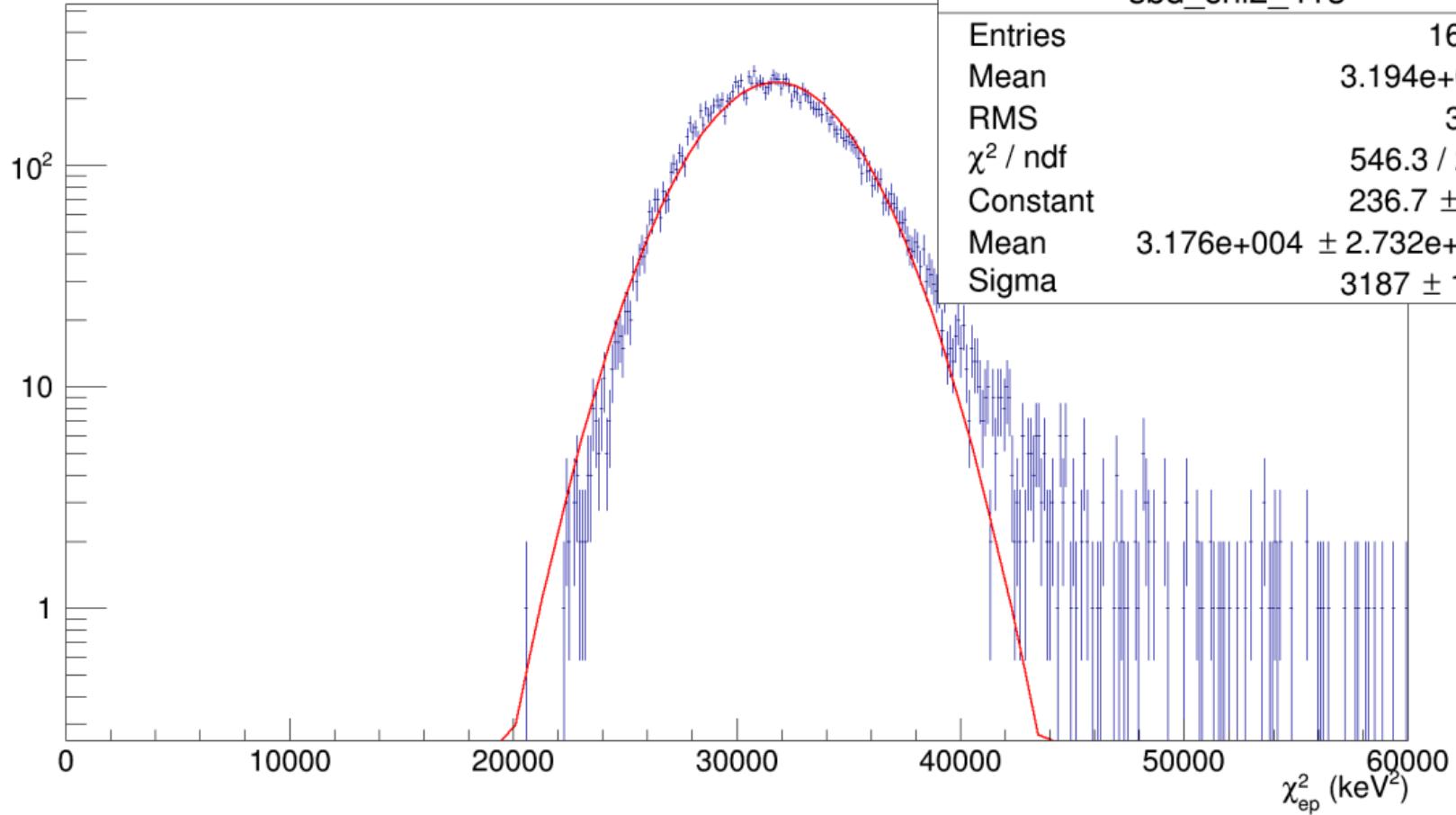
probability



sbd_chi2_412	
Entries	16263
Mean	3.193e+004
RMS	3701
χ^2 / ndf	607.9 / 248
Constant	233.7 ± 2.3
Mean	3.174e+004 ± 2.790e+001
Sigma	3203 ± 19.6

χ^2_{ep} from 413.00 keV to 414.00 keV

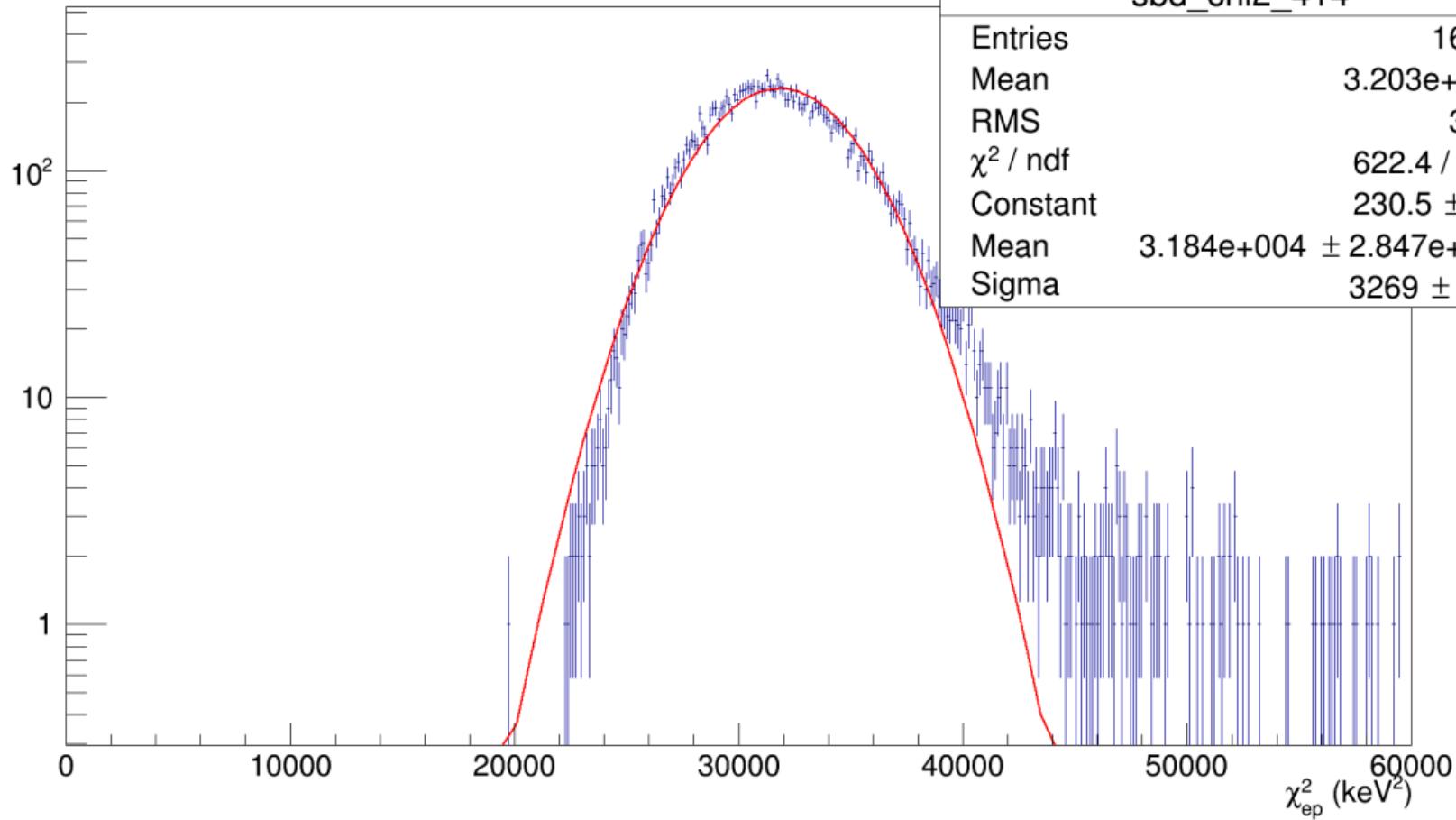
probability



sbd_chi2_413	
Entries	16321
Mean	3.194e+004
RMS	3651
χ^2 / ndf	546.3 / 244
Constant	236.7 ± 2.4
Mean	3.176e+004 ± 2.732e+001
Sigma	3187 ± 19.7

χ^2_{ep} from 414.00 keV to 415.00 keV

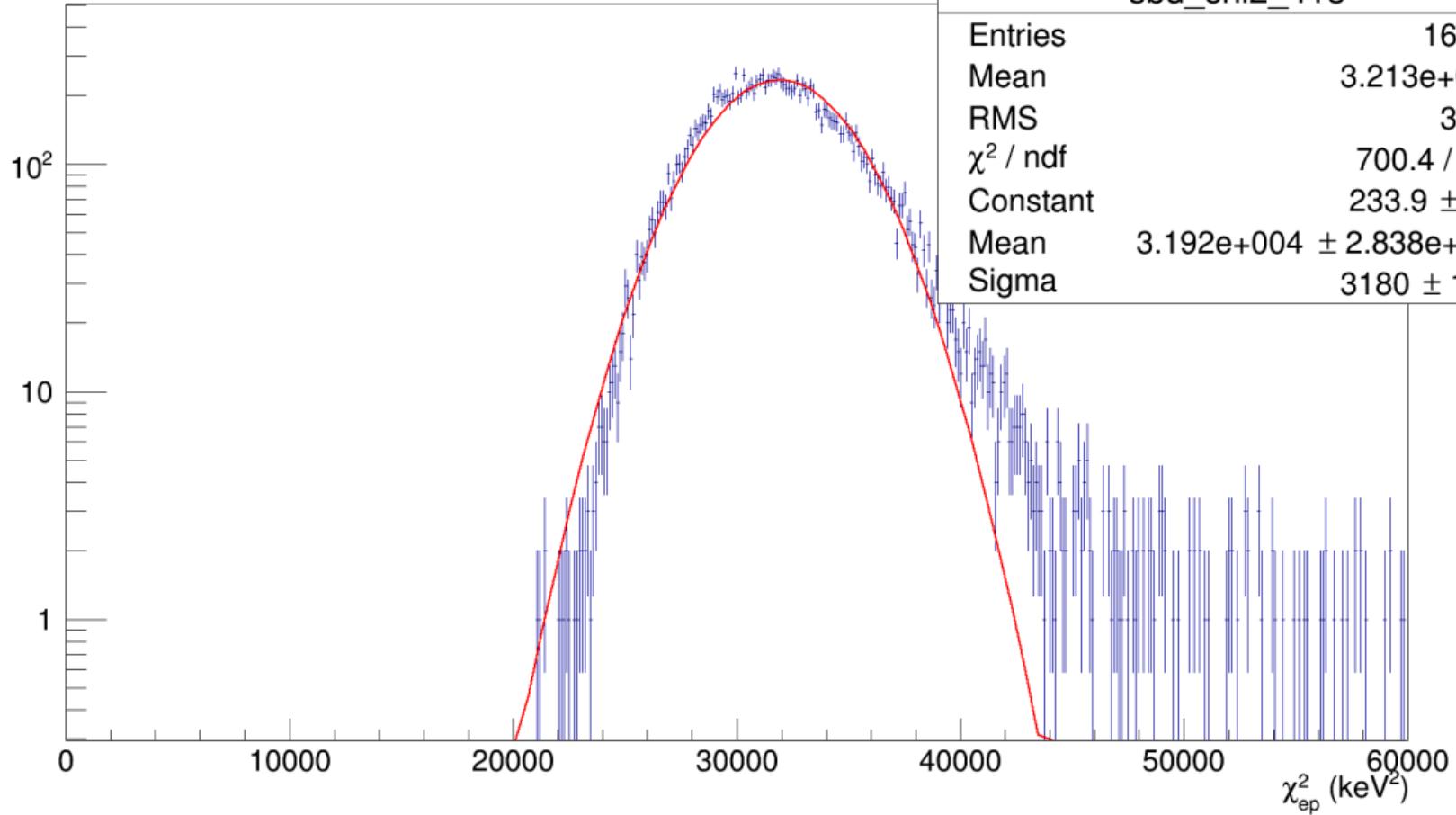
probability



sbd_chi2_414	
Entries	16371
Mean	3.203e+004
RMS	3761
χ^2 / ndf	622.4 / 254
Constant	230.5 ± 2.3
Mean	3.184e+004 ± 2.847e+001
Sigma	3269 ± 20.1

χ^2_{ep} from 415.00 keV to 416.00 keV

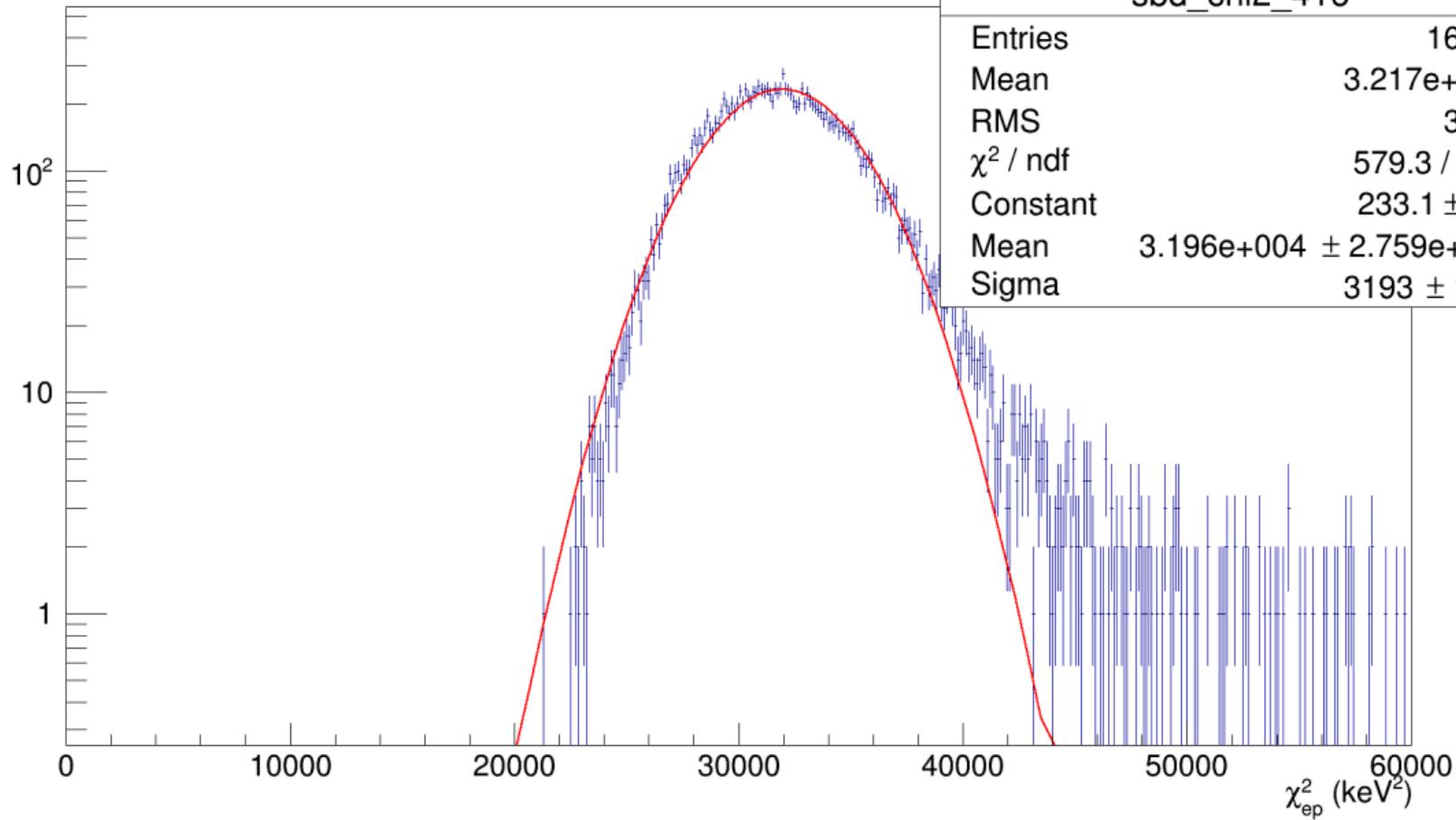
probability



sbd_chi2_415	
Entries	16269
Mean	3.213e+004
RMS	3737
χ^2 / ndf	700.4 / 251
Constant	233.9 \pm 2.4
Mean	3.192e+004 \pm 2.838e+001
Sigma	3180 \pm 19.4

χ^2_{ep} from 416.00 keV to 417.00 keV

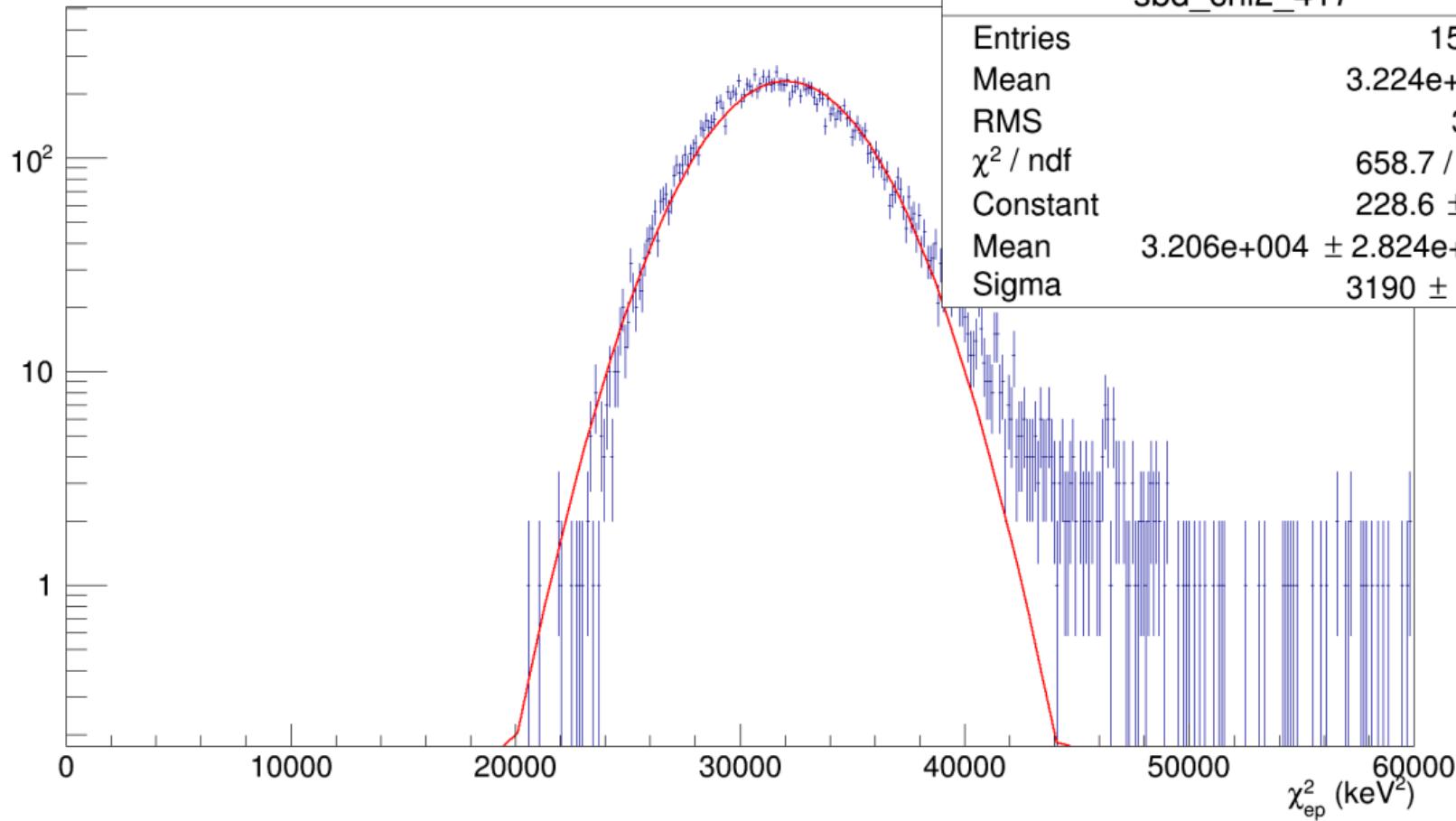
probability



sbd_chi2_416	
Entries	16150
Mean	3.217e+004
RMS	3706
χ^2 / ndf	579.3 / 254
Constant	233.1 \pm 2.4
Mean	3.196e+004 \pm 2.759e+001
Sigma	3193 \pm 19.8

χ^2_{ep} from 417.00 keV to 418.00 keV

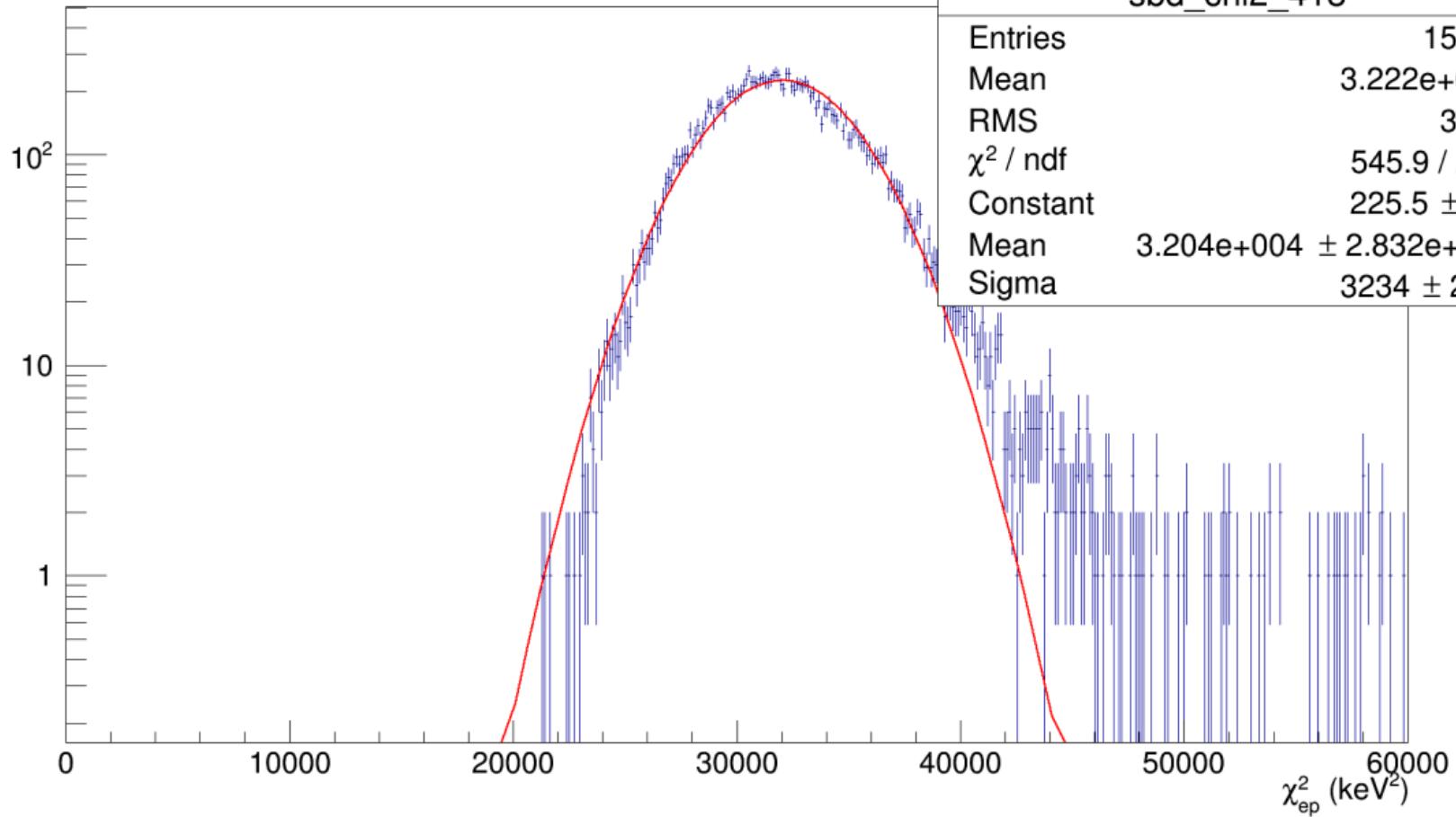
probability



sbd_chi2_417	
Entries	15916
Mean	3.224e+004
RMS	3731
χ^2 / ndf	658.7 / 254
Constant	228.6 ± 2.3
Mean	3.206e+004 ± 2.824e+001
Sigma	3190 ± 19.4

χ^2_{ep} from 418.00 keV to 419.00 keV

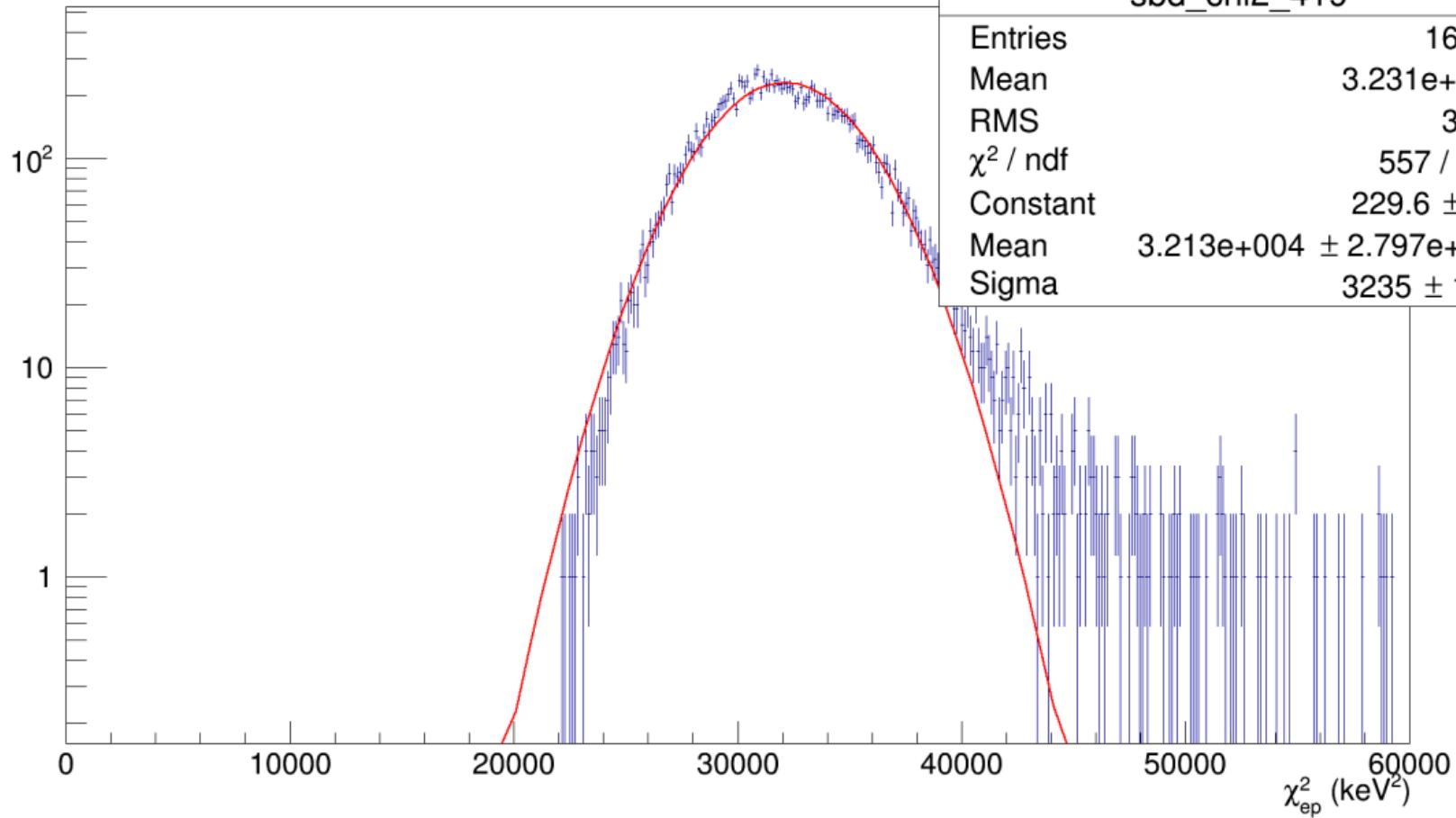
probability



sbd_chi2_418	
Entries	15795
Mean	3.222e+004
RMS	3687
χ^2 / ndf	545.9 / 245
Constant	225.5 ± 2.3
Mean	3.204e+004 ± 2.832e+001
Sigma	3234 ± 20.2

χ^2_{ep} from 419.00 keV to 420.00 keV

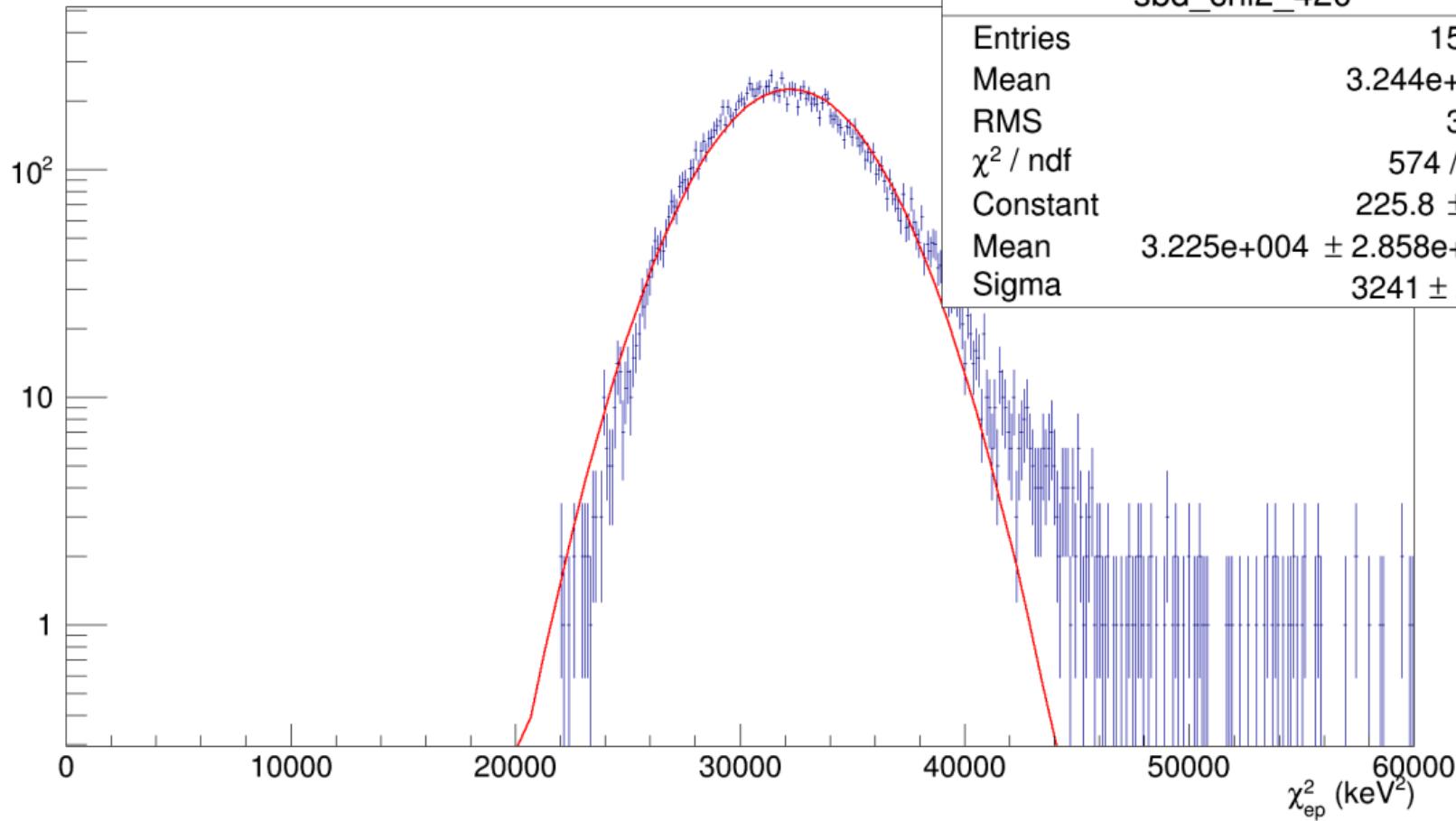
probability



sbd_chi2_419	
Entries	16090
Mean	3.231e+004
RMS	3676
χ^2 / ndf	557 / 247
Constant	229.6 ± 2.3
Mean	3.213e+004 ± 2.797e+001
Sigma	3235 ± 19.8

χ^2_{ep} from 420.00 keV to 421.00 keV

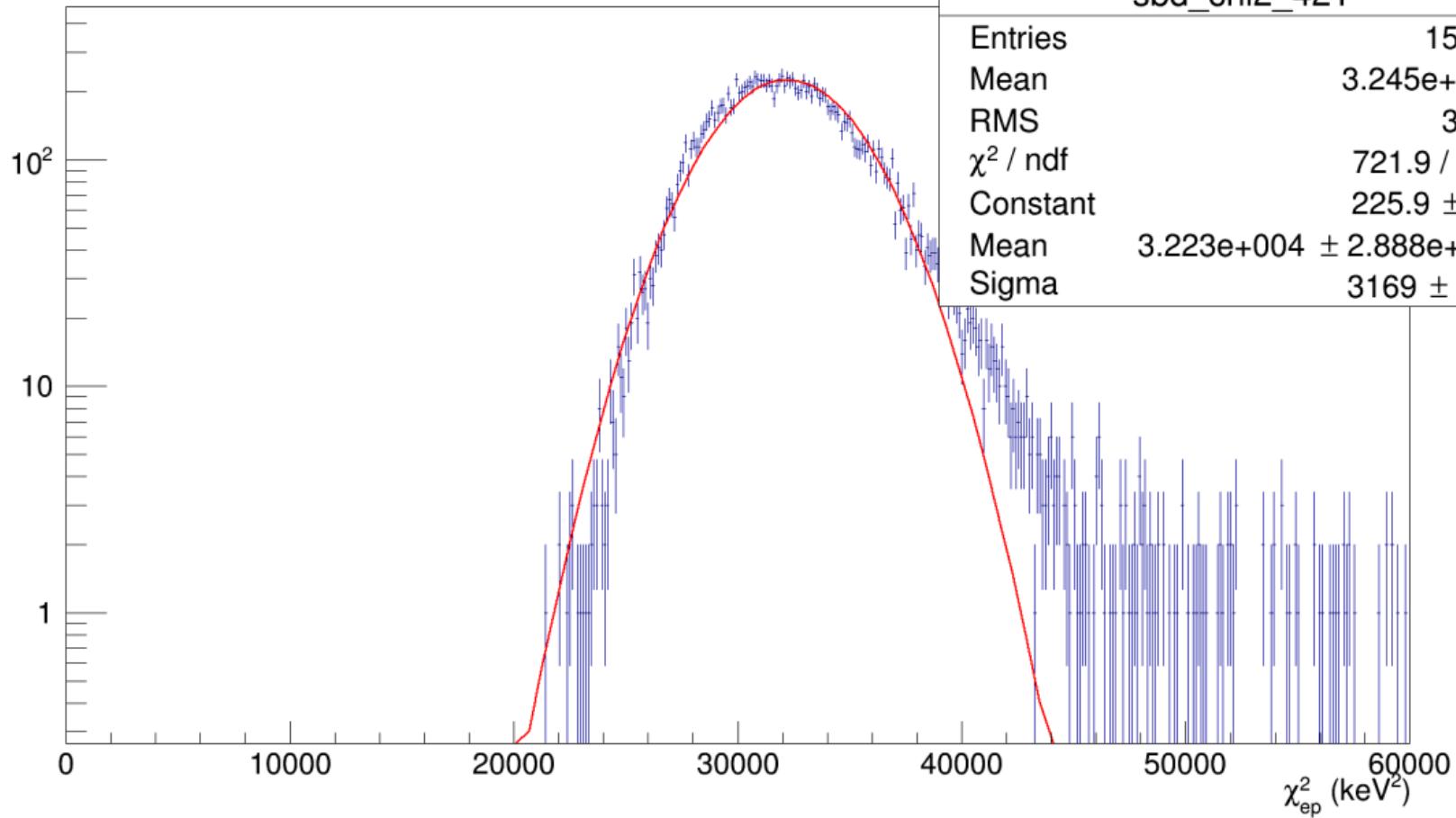
probability



sbd_chi2_420	
Entries	15878
Mean	3.244e+004
RMS	3696
χ^2 / ndf	574 / 251
Constant	225.8 ± 2.3
Mean	3.225e+004 ± 2.858e+001
Sigma	3241 ± 20.6

χ^2_{ep} from 421.00 keV to 422.00 keV

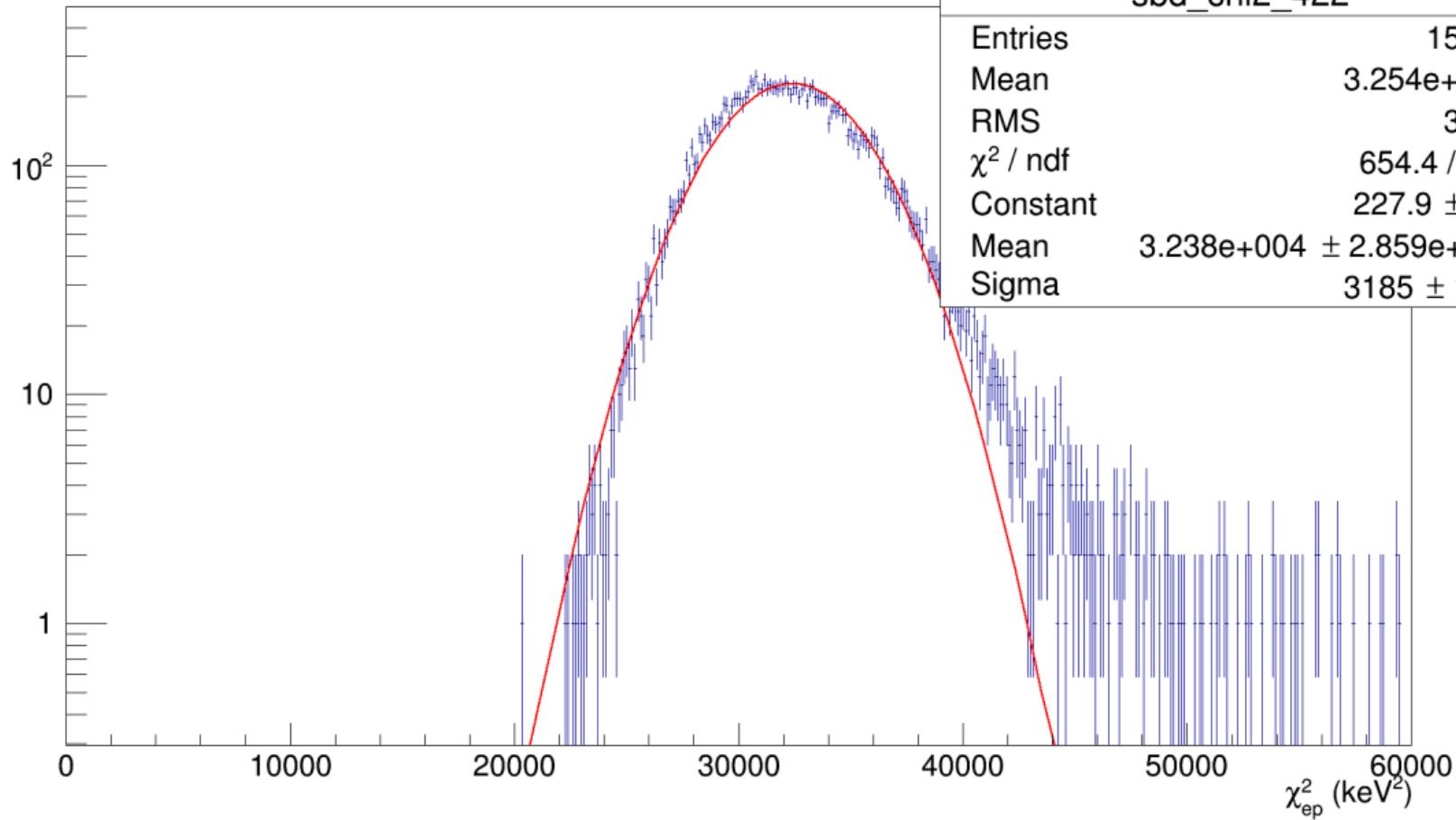
probability



sbd_chi2_421	
Entries	15705
Mean	3.245e+004
RMS	3767
χ^2 / ndf	721.9 / 258
Constant	225.9 ± 2.3
Mean	3.223e+004 ± 2.888e+001
Sigma	3169 ± 20.1

χ^2_{ep} from 422.00 keV to 423.00 keV

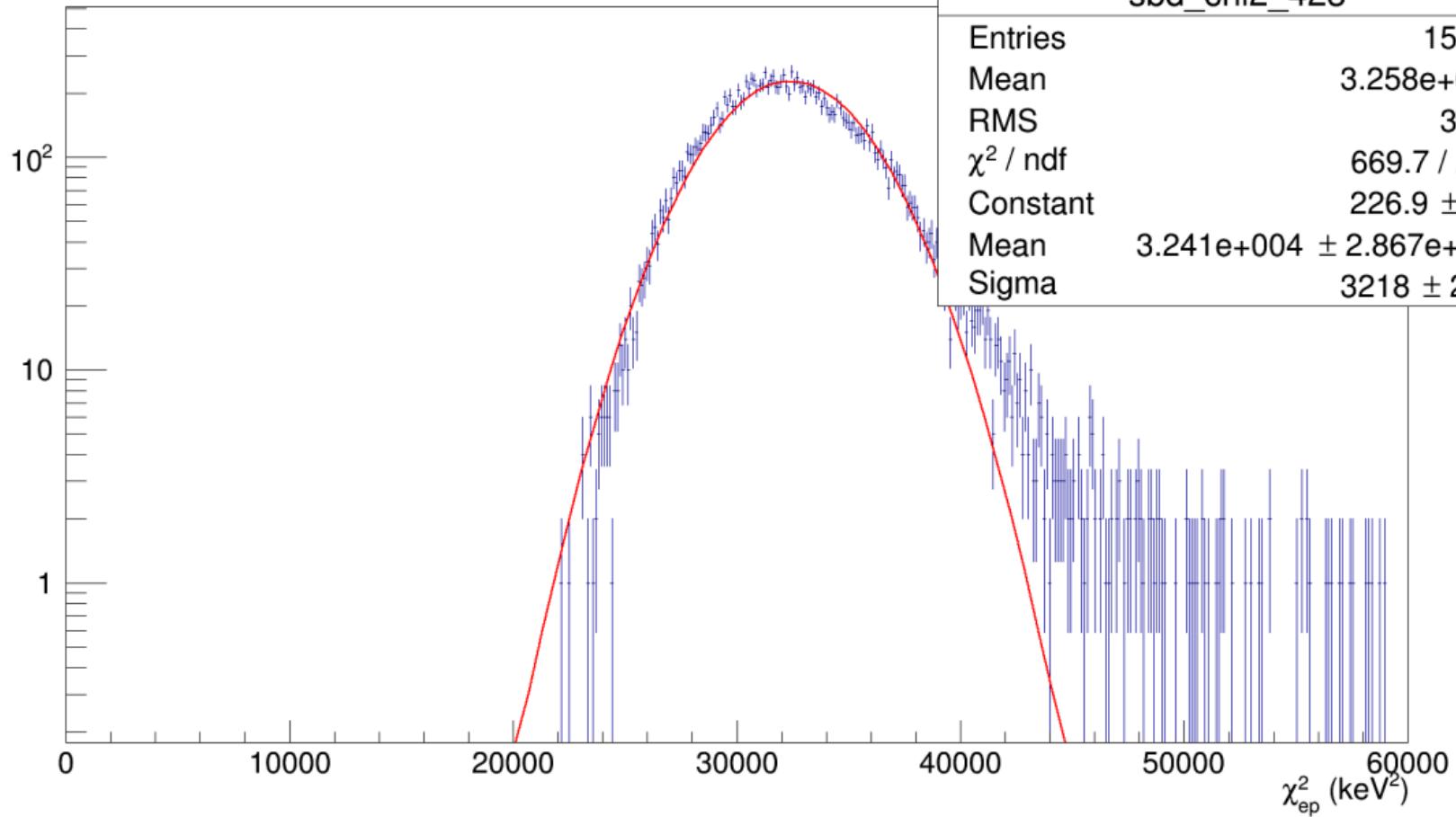
probability



sbd_chi2_422	
Entries	15849
Mean	3.254e+004
RMS	3692
χ^2 / ndf	654.4 / 251
Constant	227.9 ± 2.3
Mean	3.238e+004 ± 2.859e+001
Sigma	3185 ± 19.4

χ^2_{ep} from 423.00 keV to 424.00 keV

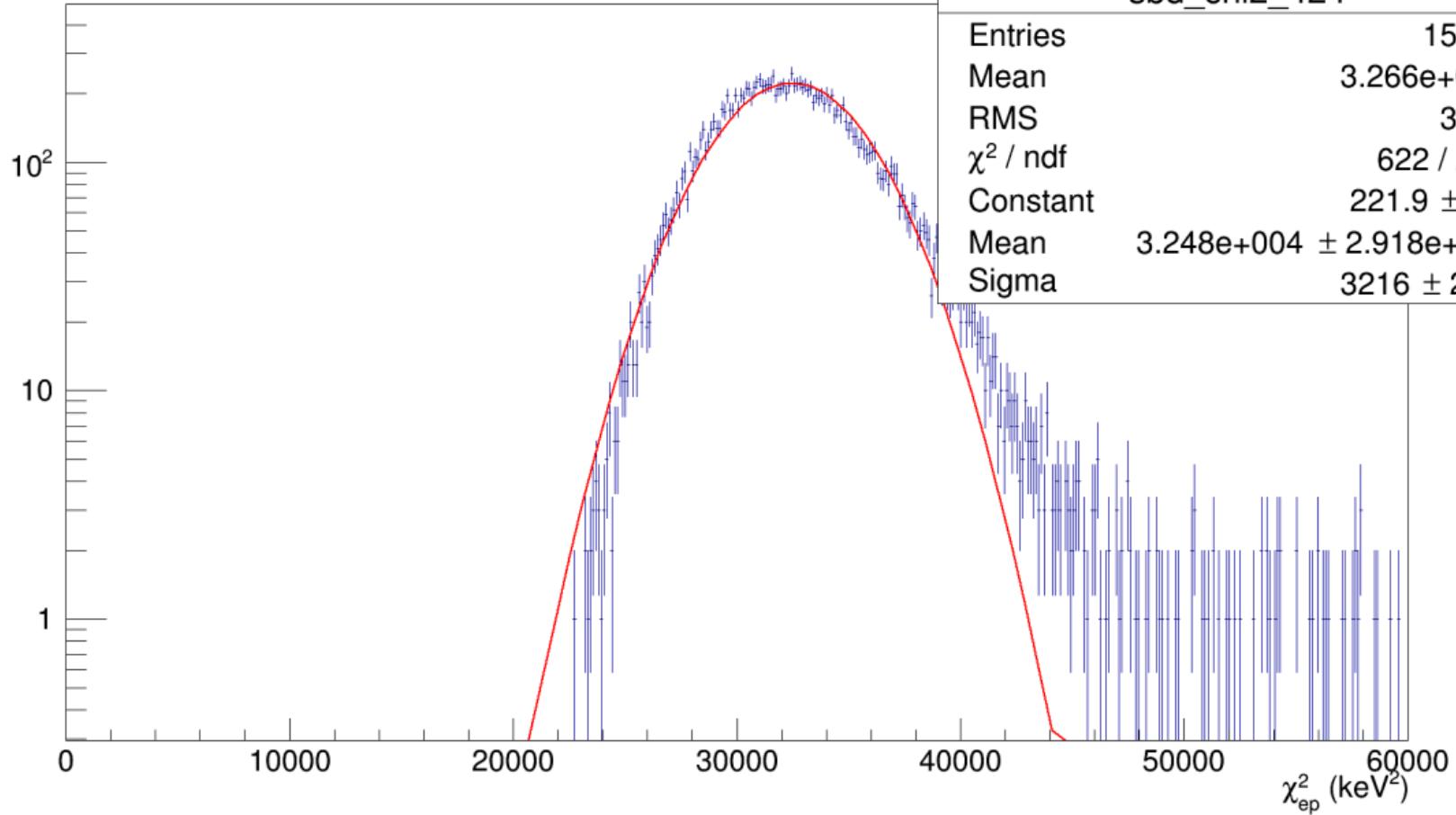
probability



sbd_chi2_423	
Entries	15930
Mean	3.258e+004
RMS	3706
χ^2 / ndf	669.7 / 245
Constant	226.9 ± 2.3
Mean	3.241e+004 ± 2.867e+001
Sigma	3218 ± 20.0

χ^2_{ep} from 424.00 keV to 425.00 keV

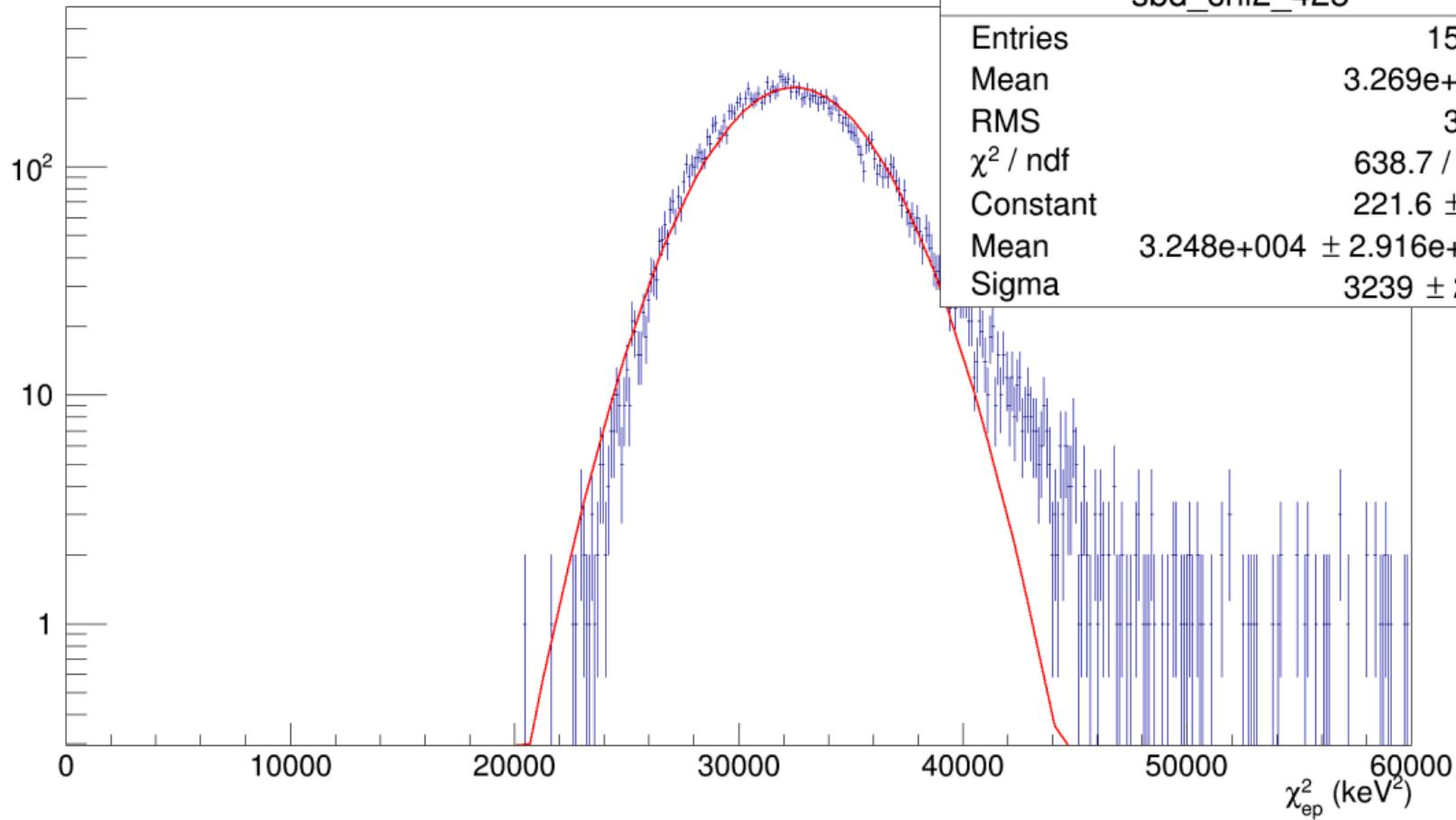
probability



sbd_chi2_424	
Entries	15557
Mean	3.266e+004
RMS	3710
χ^2 / ndf	622 / 239
Constant	221.9 ± 2.3
Mean	3.248e+004 ± 2.918e+001
Sigma	3216 ± 20.8

χ^2_{ep} from 425.00 keV to 426.00 keV

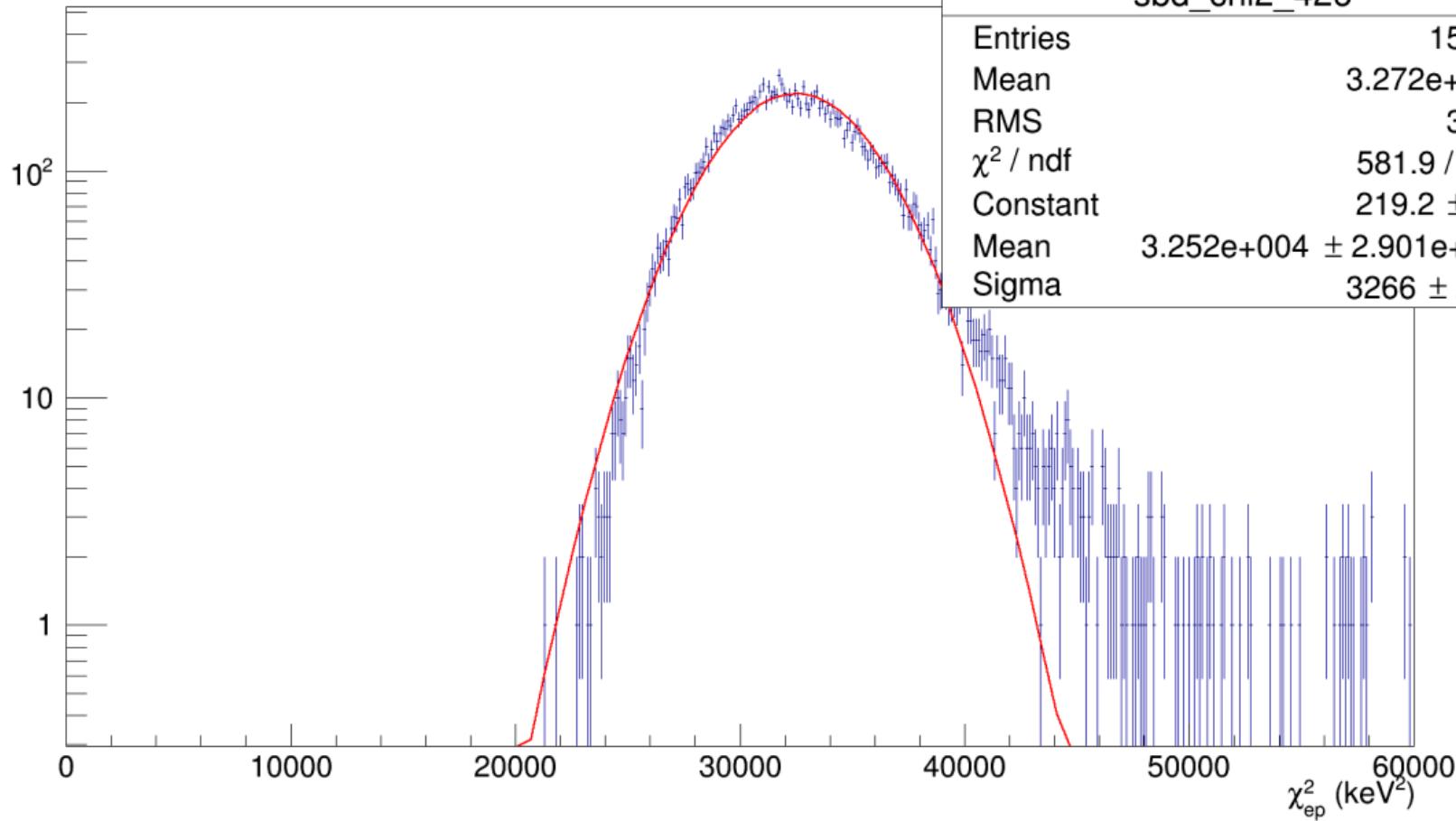
probability



sbd_chi2_425	
Entries	15656
Mean	3.269e+004
RMS	3777
χ^2 / ndf	638.7 / 250
Constant	221.6 ± 2.3
Mean	3.248e+004 ± 2.916e+001
Sigma	3239 ± 20.6

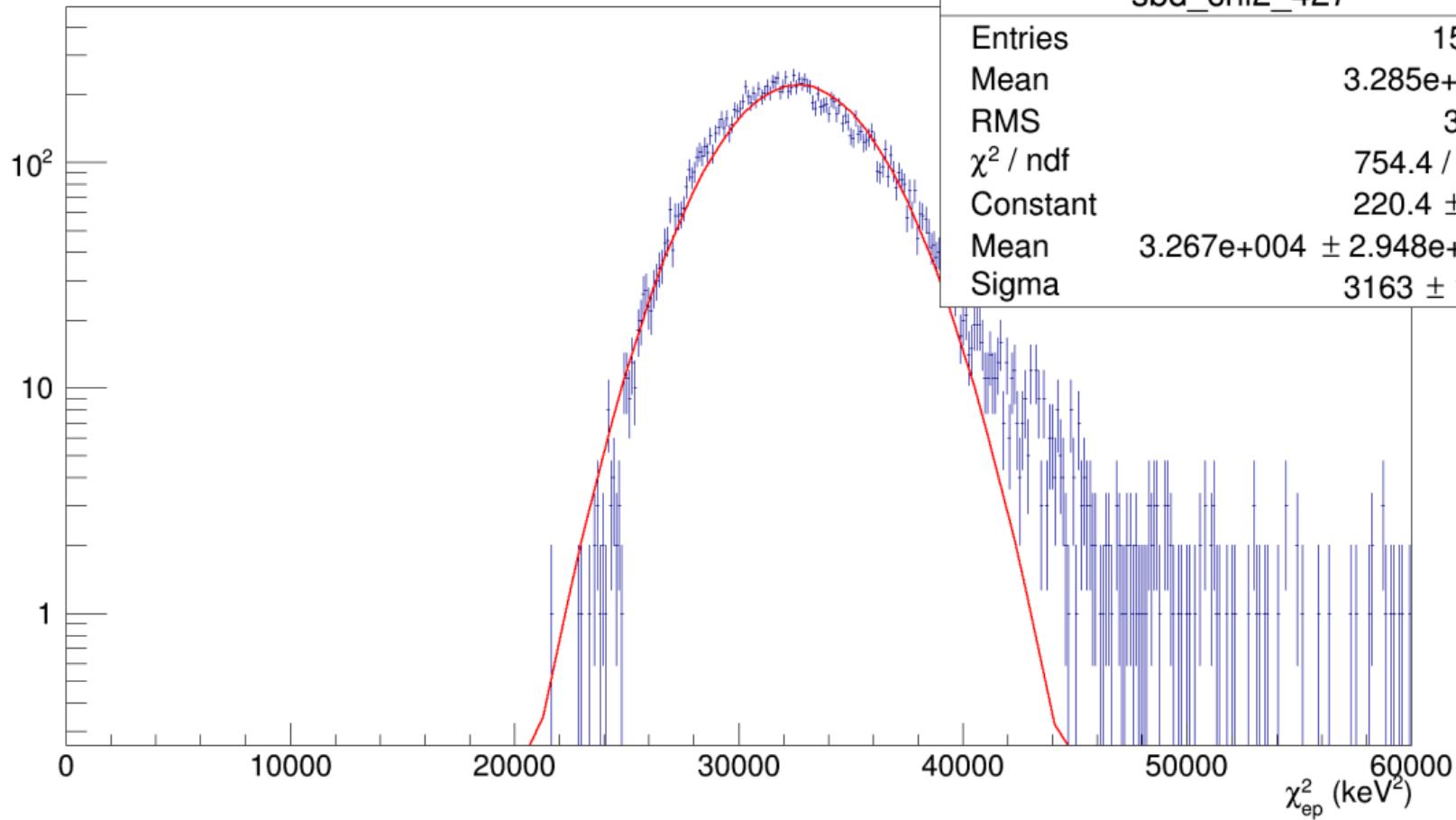
χ^2_{ep} from 426.00 keV to 427.00 keV

probability



χ^2_{ep} from 427.00 keV to 428.00 keV

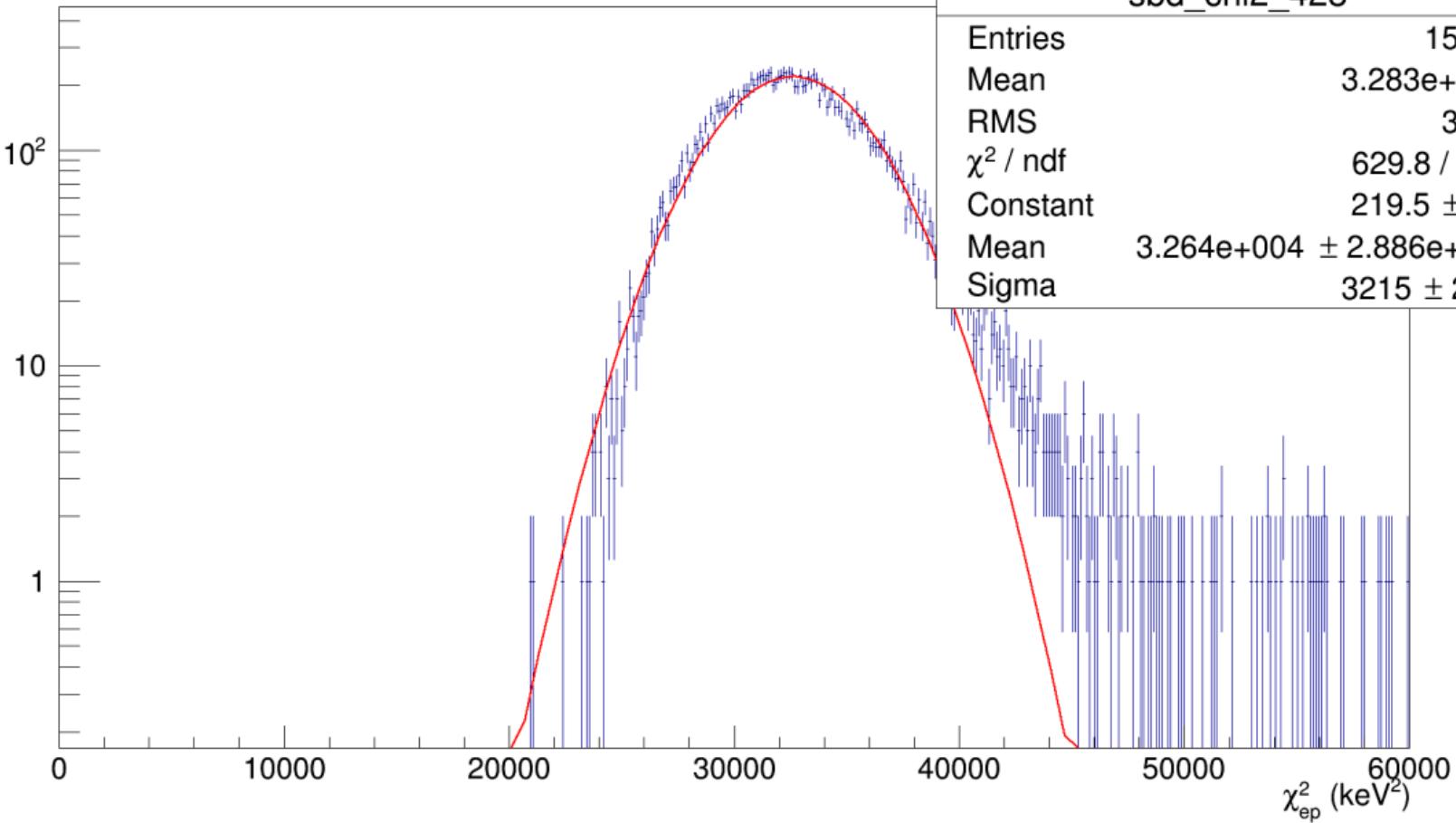
probability



sbd_chi2_427	
Entries	15351
Mean	3.285e+004
RMS	3753
χ^2 / ndf	754.4 / 250
Constant	220.4 ± 2.3
Mean	3.267e+004 ± 2.948e+001
Sigma	3163 ± 19.9

χ^2_{ep} from 428.00 keV to 429.00 keV

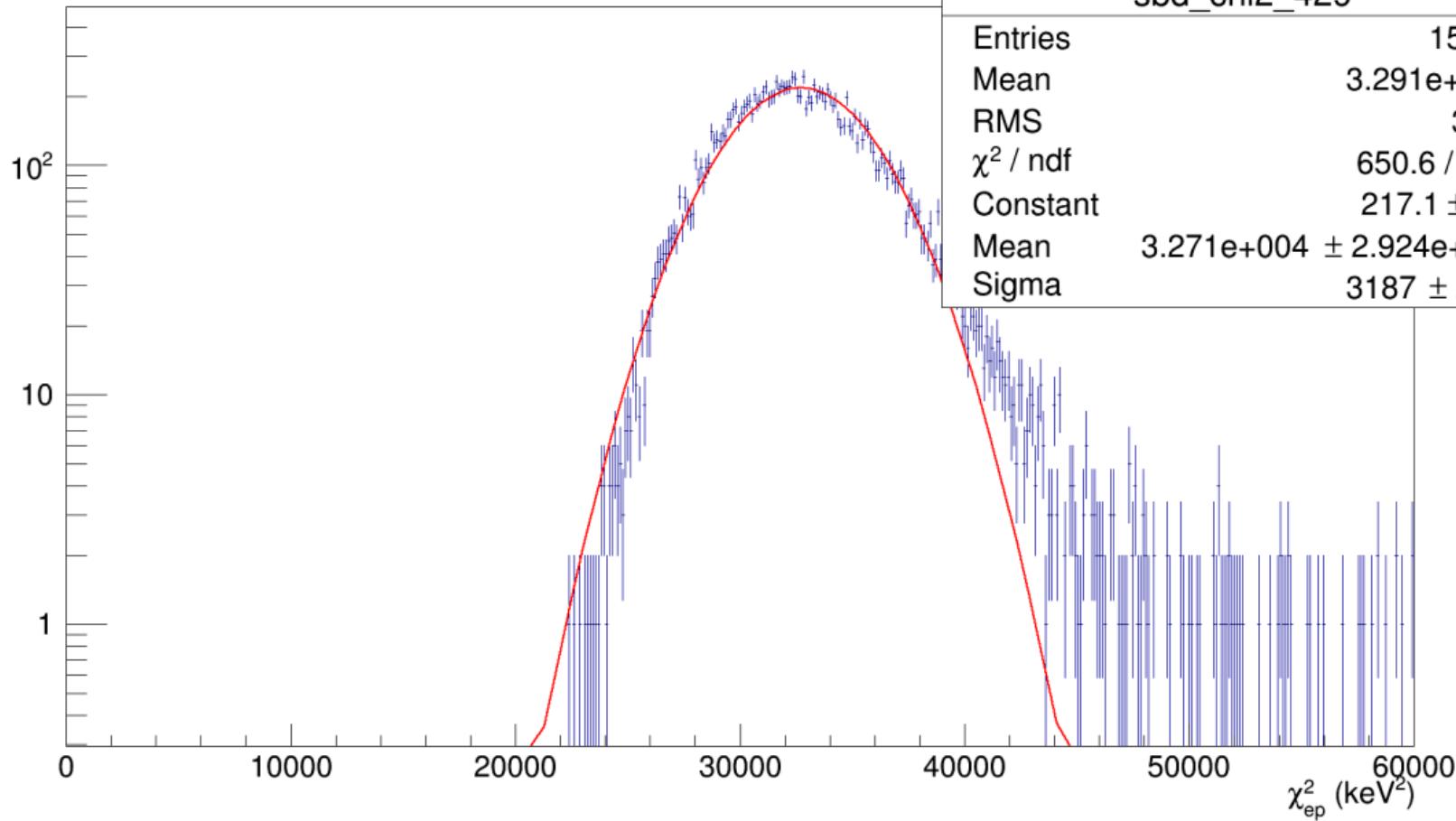
probability



sbd_chi2_428	
Entries	15390
Mean	3.283e+004
RMS	3723
χ^2 / ndf	629.8 / 249
Constant	219.5 ± 2.3
Mean	3.264e+004 ± 2.886e+001
Sigma	3215 ± 20.4

χ^2_{ep} from 429.00 keV to 430.00 keV

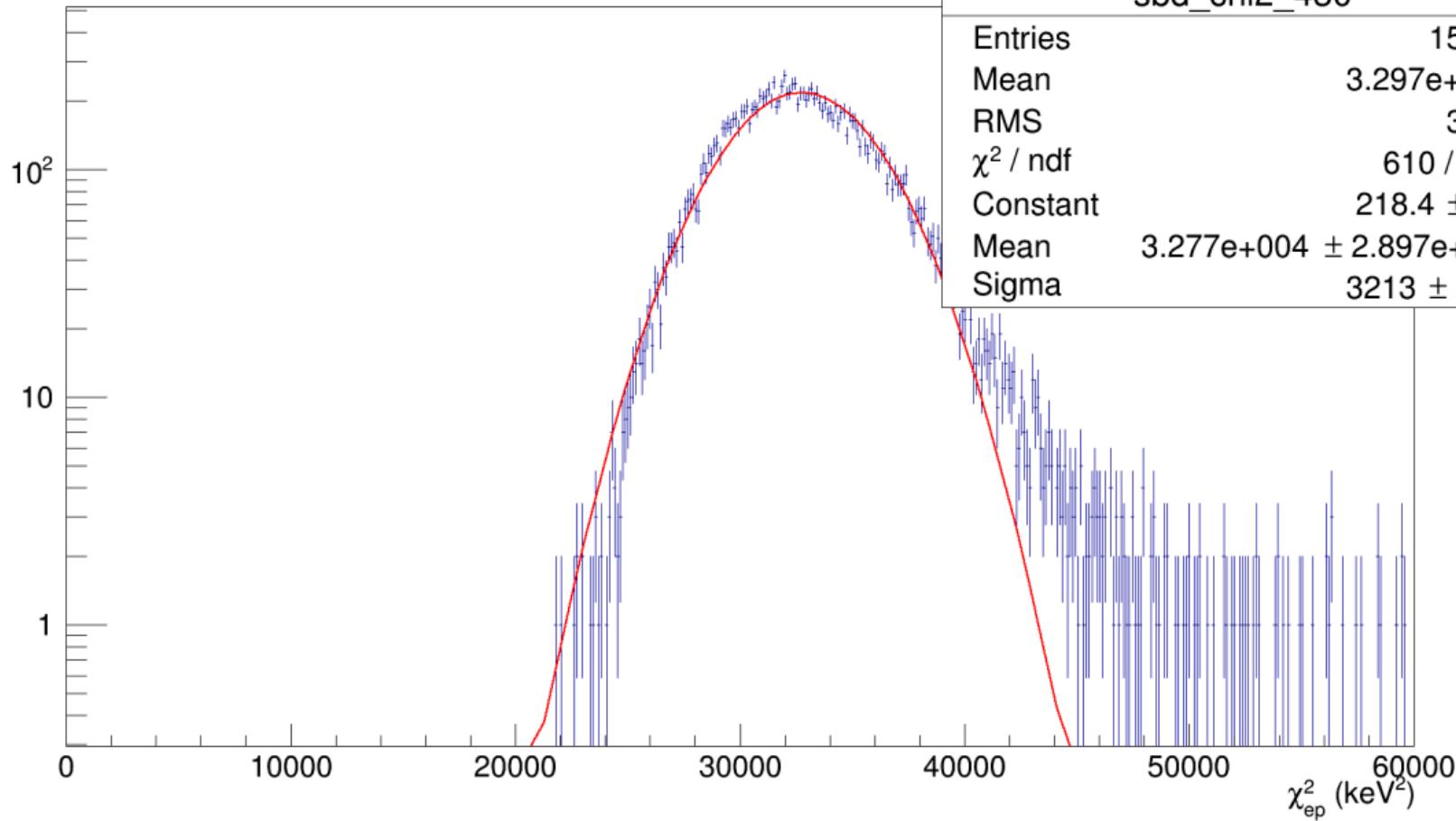
probability



sbd_chi2_429	
Entries	15134
Mean	3.291e+004
RMS	3711
χ^2 / ndf	650.6 / 248
Constant	217.1 ± 2.3
Mean	3.271e+004 ± 2.924e+001
Sigma	3187 ± 20.2

χ^2_{ep} from 430.00 keV to 431.00 keV

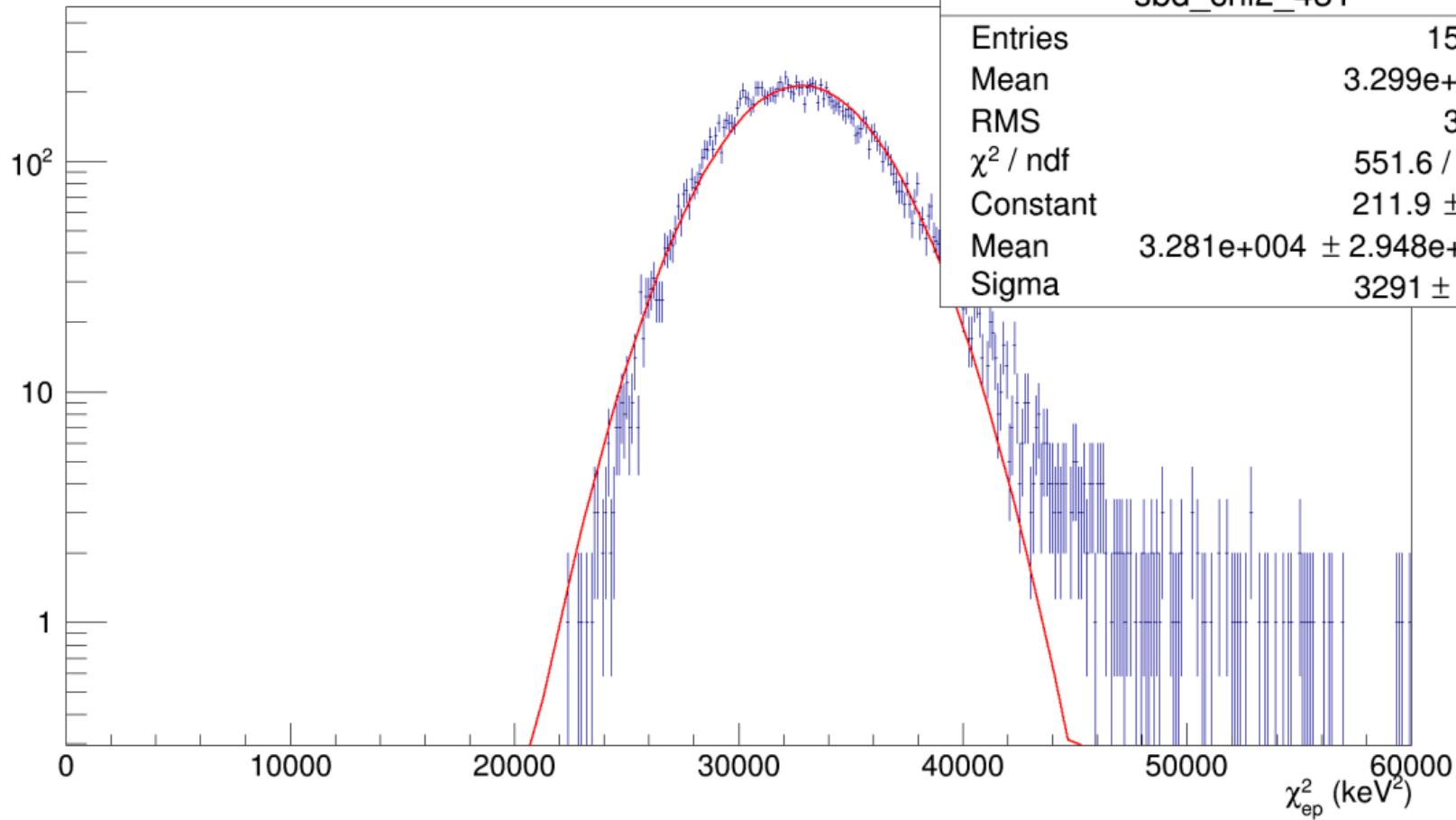
probability



sbd_chi2_430	
Entries	15289
Mean	3.297e+004
RMS	3706
χ^2 / ndf	610 / 250
Constant	218.4 ± 2.3
Mean	3.277e+004 ± 2.897e+001
Sigma	3213 ± 20.4

χ^2_{ep} from 431.00 keV to 432.00 keV

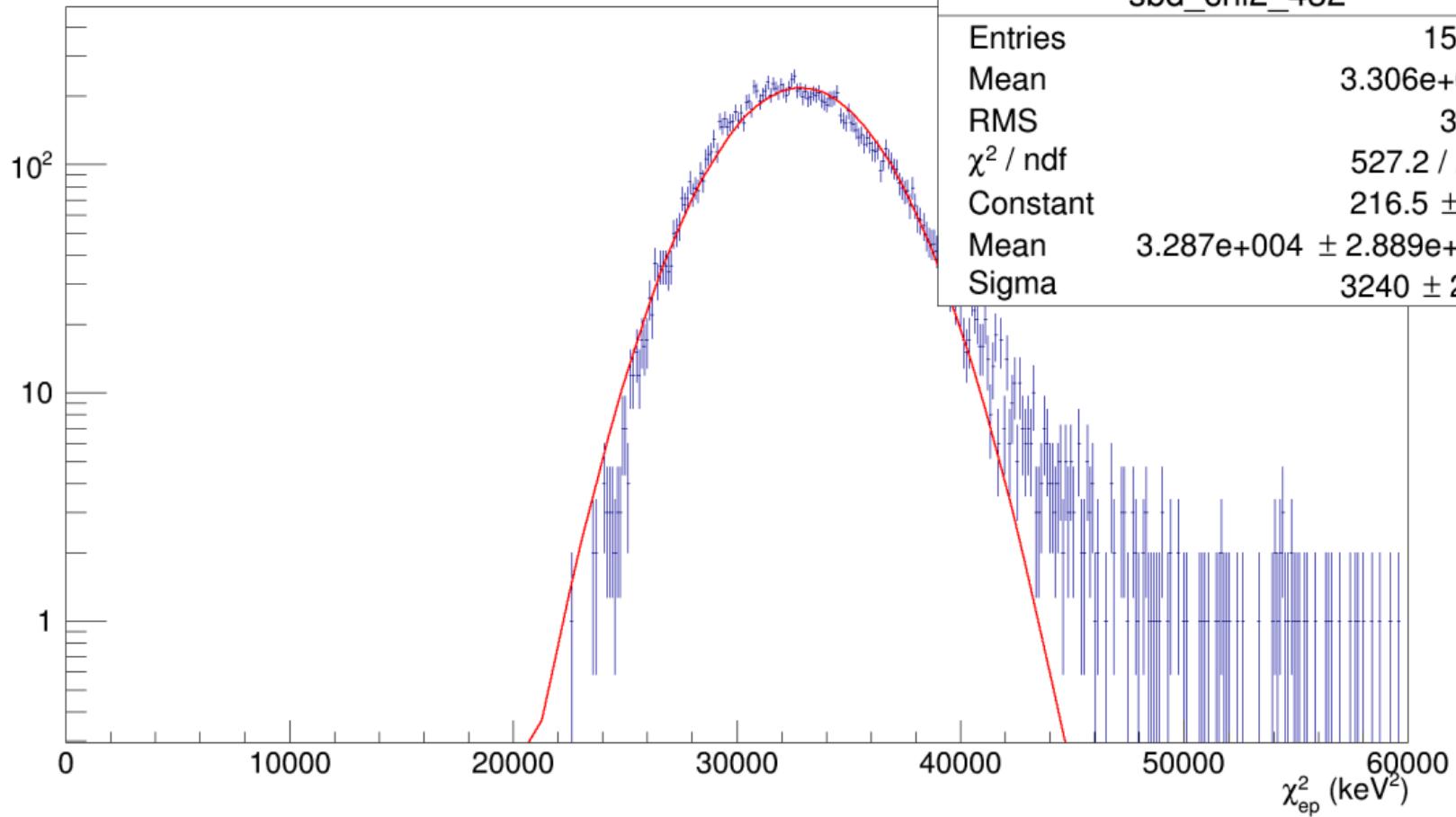
probability



sbd_chi2_431	
Entries	15137
Mean	3.299e+004
RMS	3735
χ^2 / ndf	551.6 / 248
Constant	211.9 ± 2.2
Mean	3.281e+004 ± 2.948e+001
Sigma	3291 ± 21.1

χ^2_{ep} from 432.00 keV to 433.00 keV

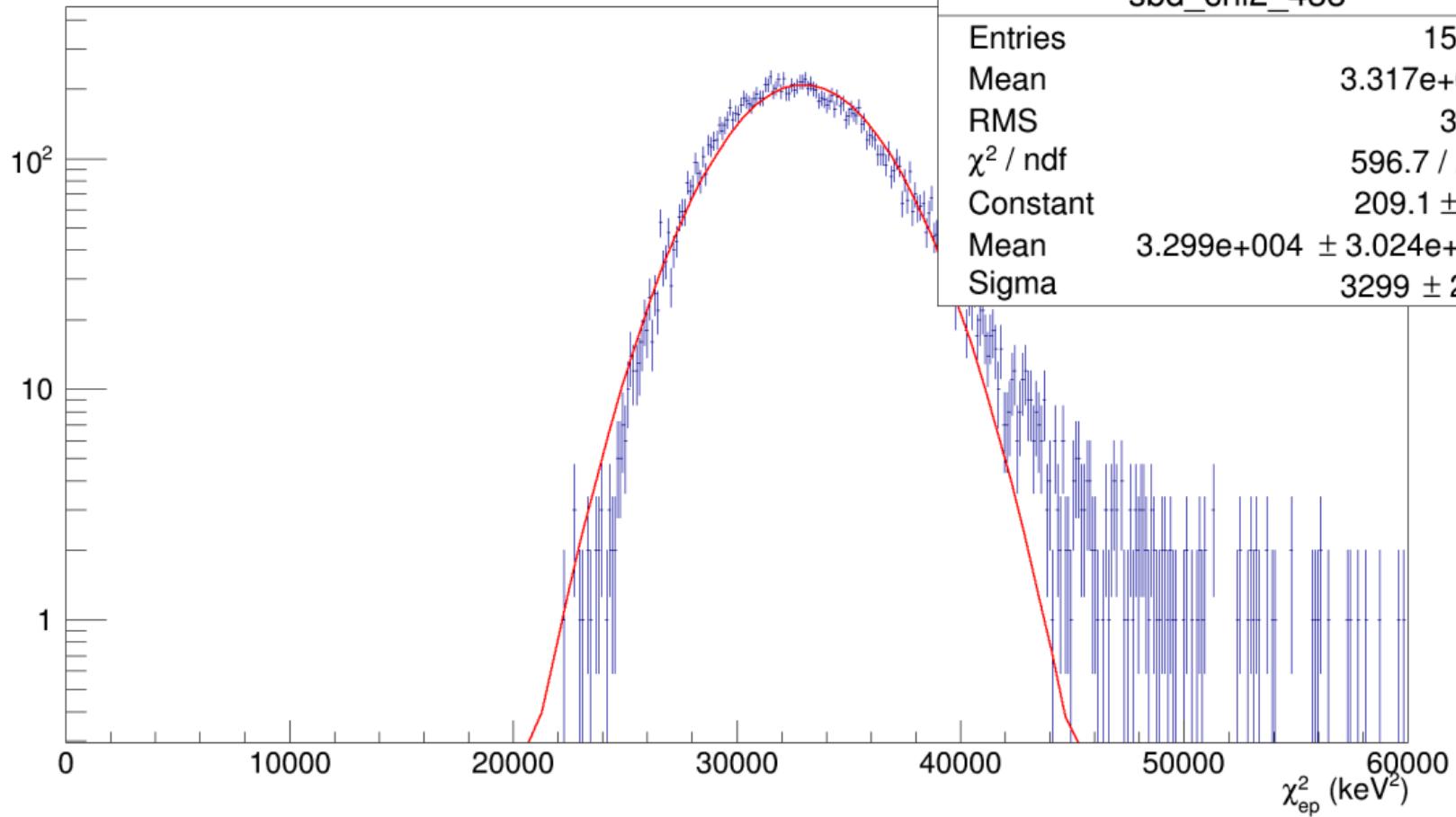
probability



sbd_chi2_432	
Entries	15190
Mean	3.306e+004
RMS	3695
χ^2 / ndf	527.2 / 245
Constant	216.5 ± 2.3
Mean	3.287e+004 ± 2.889e+001
Sigma	3240 ± 21.0

χ^2_{ep} from 433.00 keV to 434.00 keV

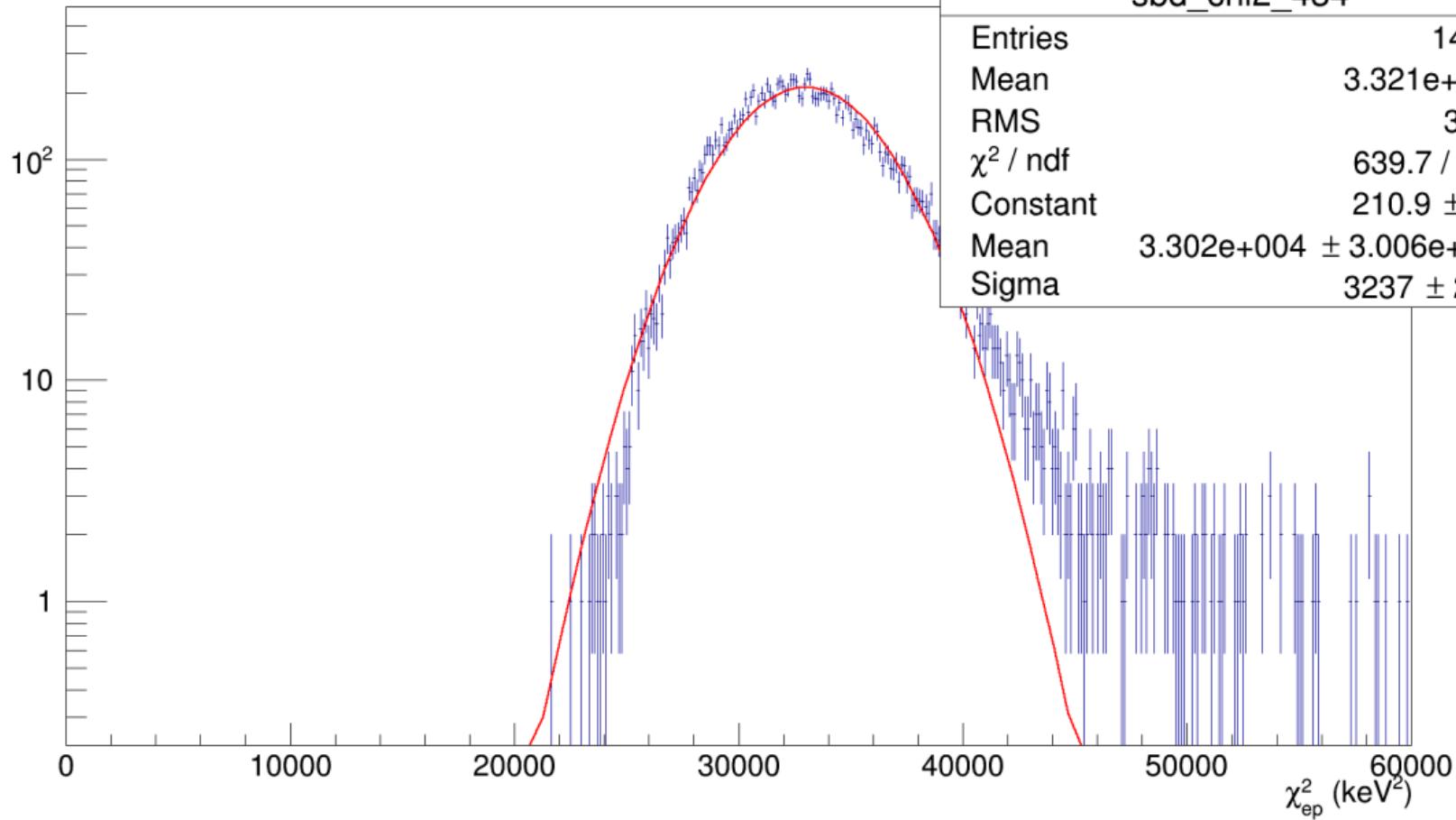
probability



sbd_chi2_433	
Entries	15026
Mean	3.317e+004
RMS	3769
χ^2 / ndf	596.7 / 248
Constant	209.1 ± 2.2
Mean	3.299e+004 ± 3.024e+001
Sigma	3299 ± 21.3

χ^2_{ep} from 434.00 keV to 435.00 keV

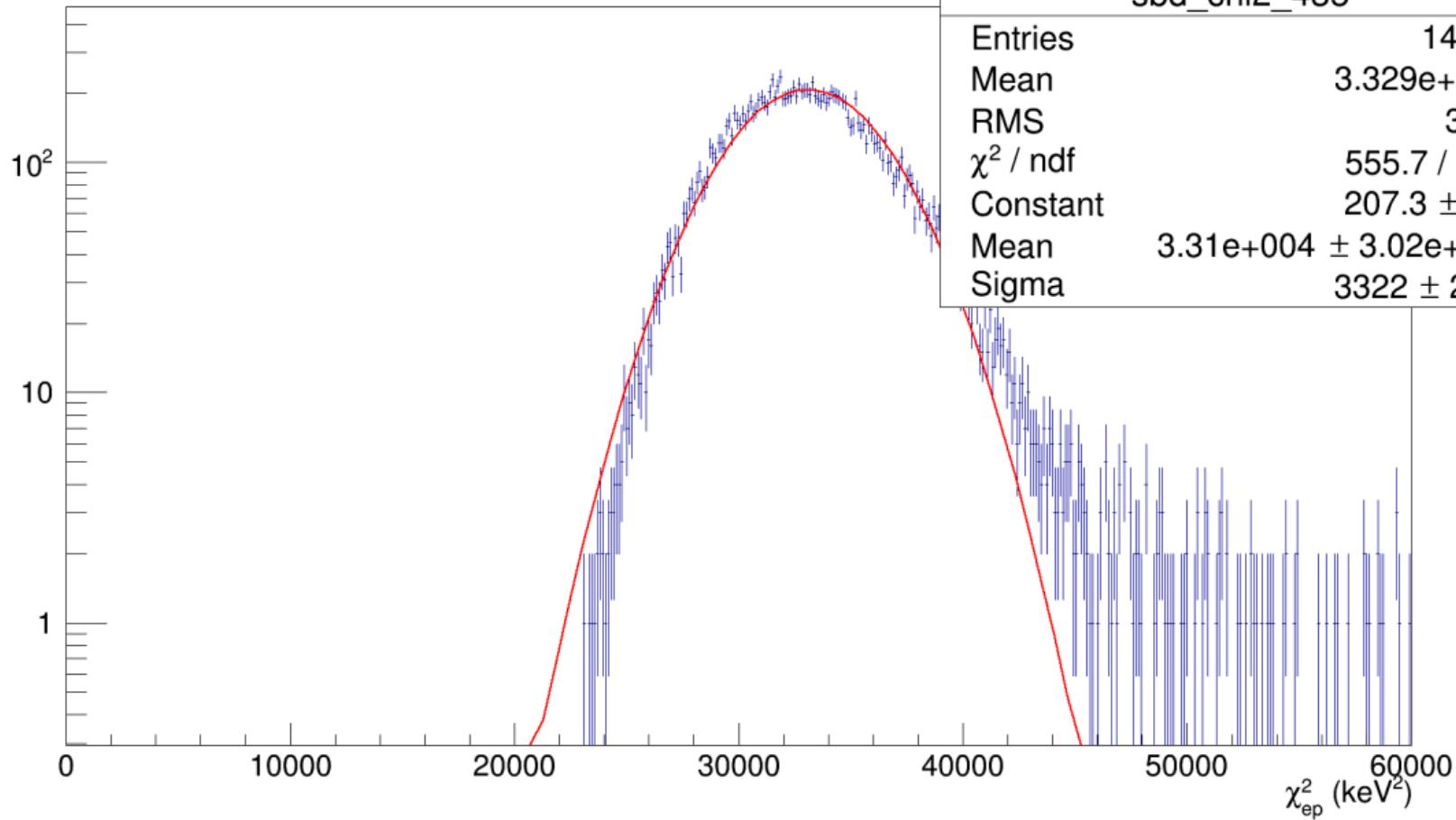
probability



sbd_chi2_434	
Entries	14921
Mean	3.321e+004
RMS	3743
χ^2 / ndf	639.7 / 244
Constant	210.9 \pm 2.2
Mean	3.302e+004 \pm 3.006e+001
Sigma	3237 \pm 20.8

χ^2_{ep} from 435.00 keV to 436.00 keV

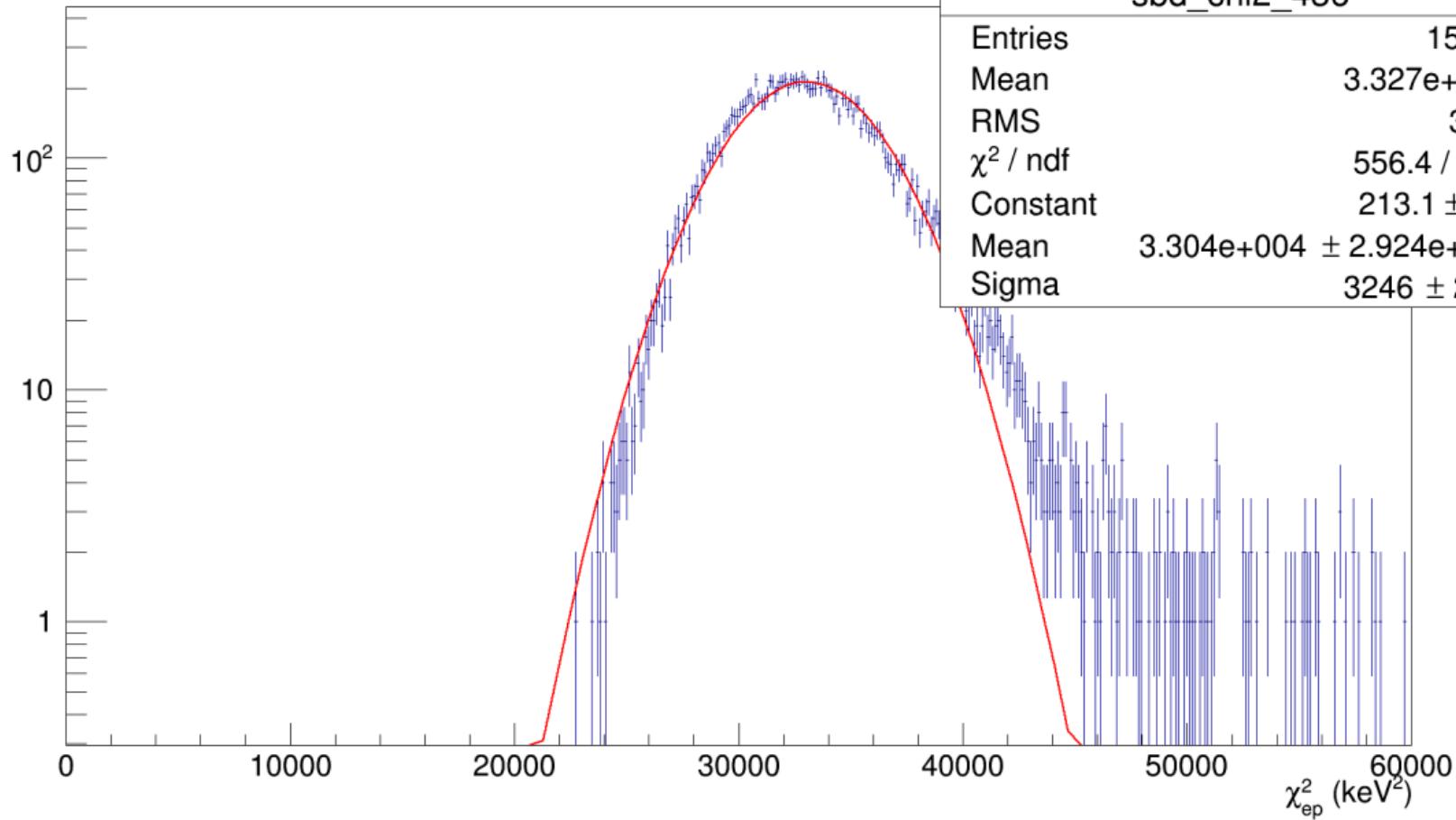
probability



sbd_chi2_435	
Entries	14962
Mean	3.329e+004
RMS	3801
χ^2 / ndf	555.7 / 249
Constant	207.3 ± 2.2
Mean	3.31e+004 ± 3.02e+001
Sigma	3322 ± 21.4

χ^2_{ep} from 436.00 keV to 437.00 keV

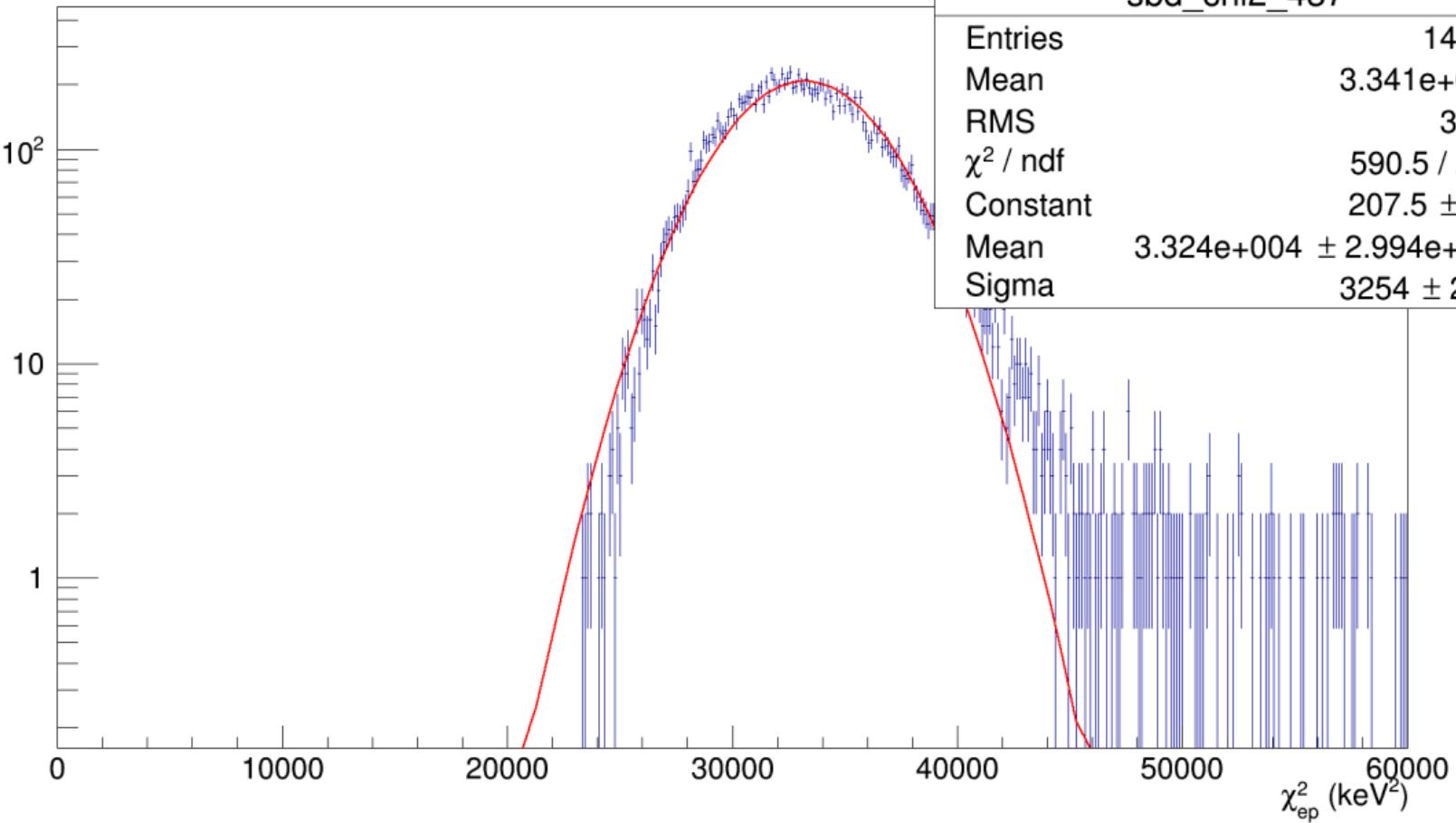
probability



sbd_chi2_436	
Entries	15028
Mean	3.327e+004
RMS	3731
χ^2 / ndf	556.4 / 244
Constant	213.1 ± 2.3
Mean	3.304e+004 ± 2.924e+001
Sigma	3246 ± 21.6

χ^2_{ep} from 437.00 keV to 438.00 keV

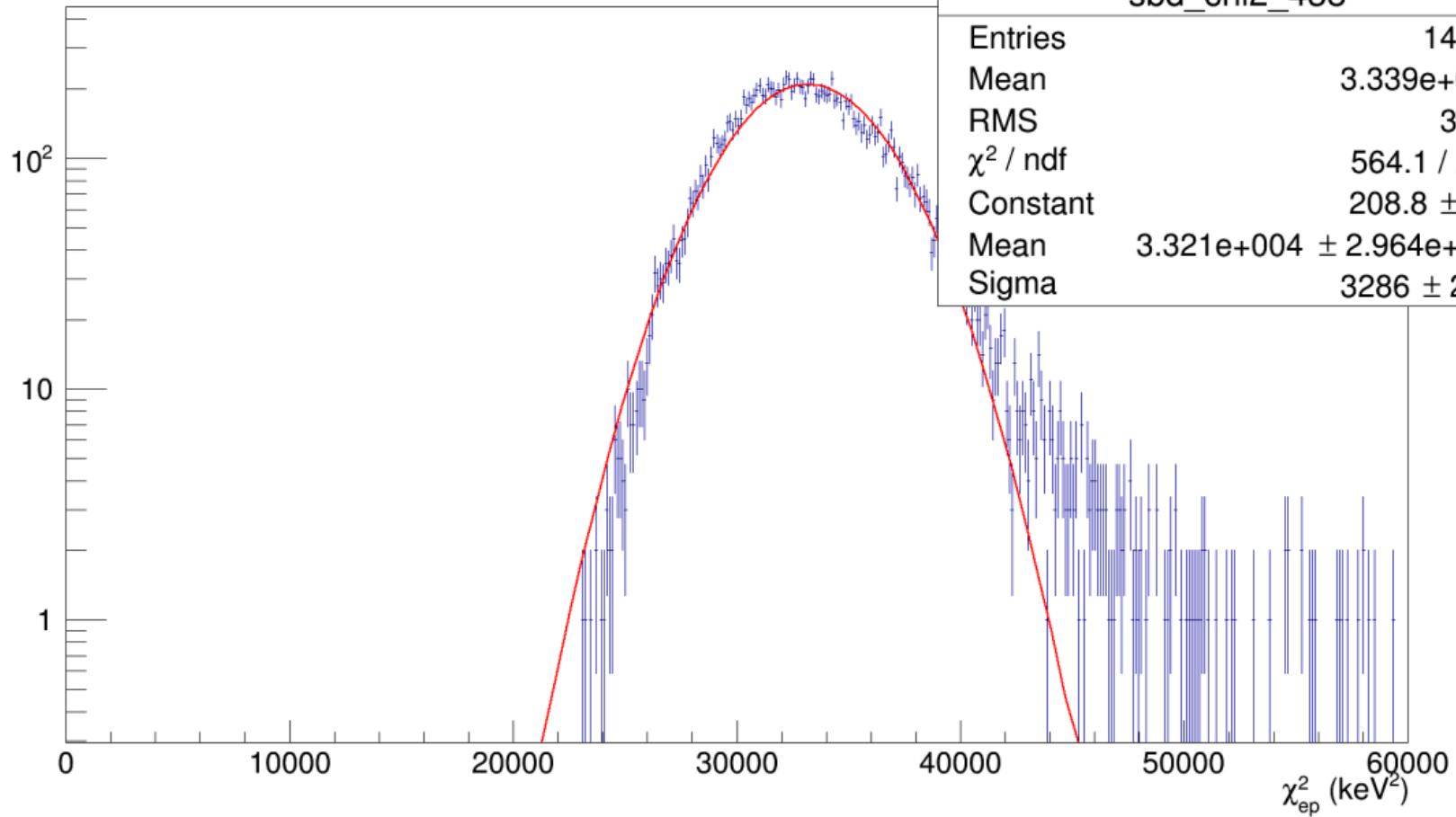
probability



sbd_chi2_437	
Entries	14707
Mean	3.341e+004
RMS	3759
χ^2 / ndf	590.5 / 252
Constant	207.5 ± 2.2
Mean	3.324e+004 ± 2.994e+001
Sigma	3254 ± 20.8

χ^2_{ep} from 438.00 keV to 439.00 keV

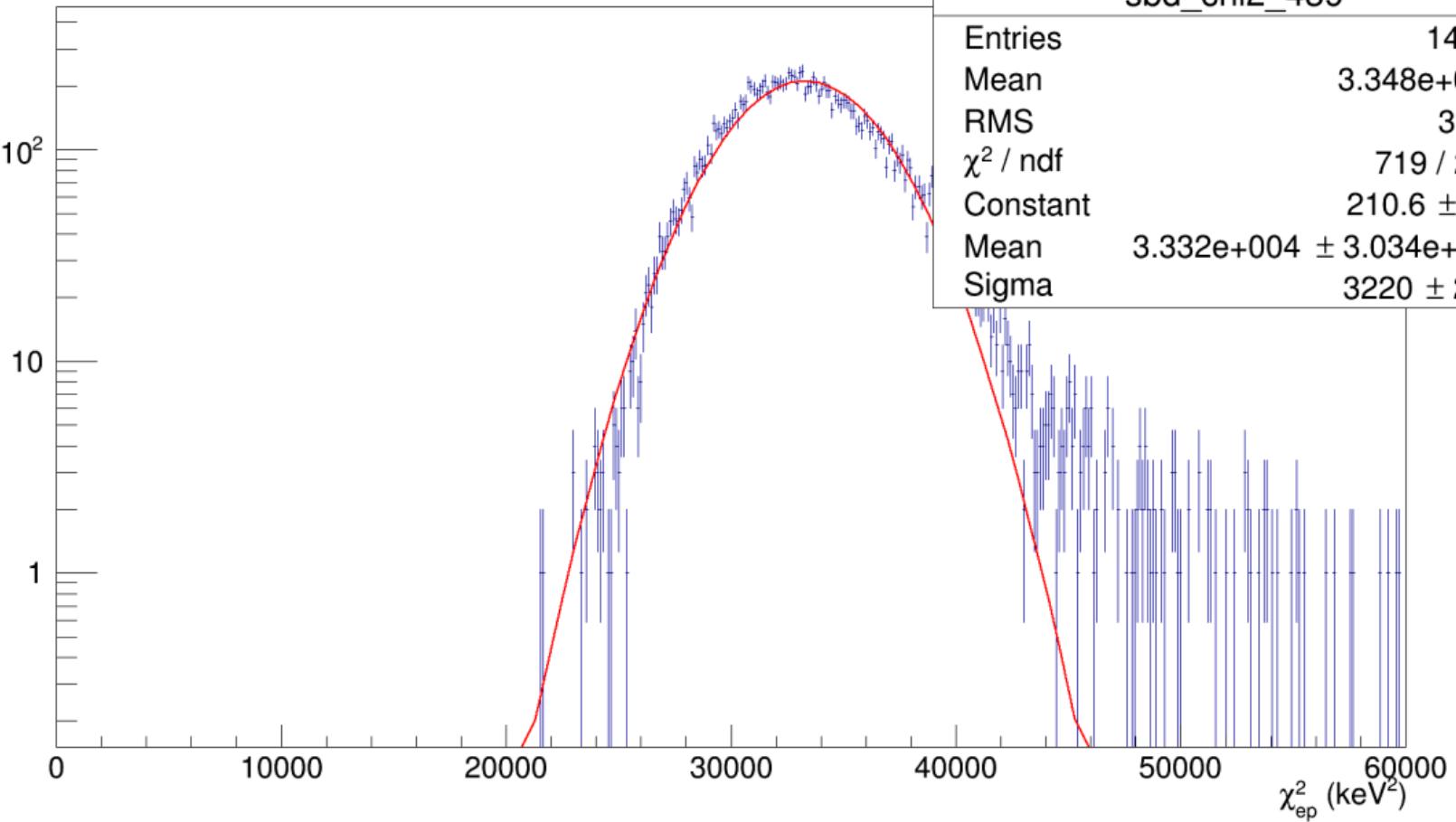
probability



sbd_chi2_438	
Entries	14917
Mean	3.339e+004
RMS	3705
χ^2 / ndf	564.1 / 240
Constant	208.8 ± 2.2
Mean	3.321e+004 ± 2.964e+001
Sigma	3286 ± 20.7

χ^2_{ep} from 439.00 keV to 440.00 keV

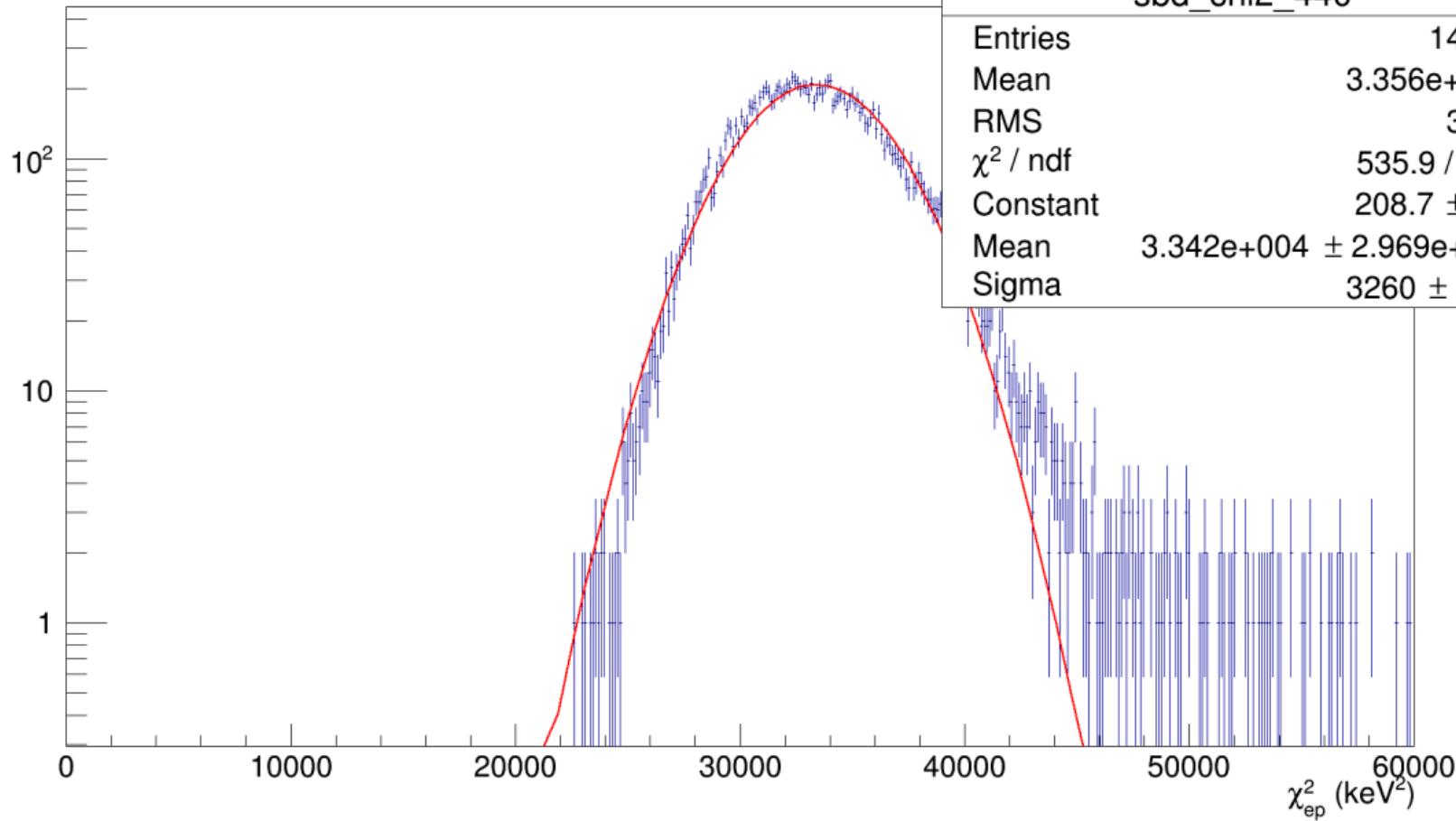
probability



sbd_chi2_439	
Entries	14911
Mean	3.348e+004
RMS	3717
χ^2 / ndf	719 / 236
Constant	210.6 ± 2.2
Mean	3.332e+004 ± 3.034e+001
Sigma	3220 ± 21.1

χ^2_{ep} from 440.00 keV to 441.00 keV

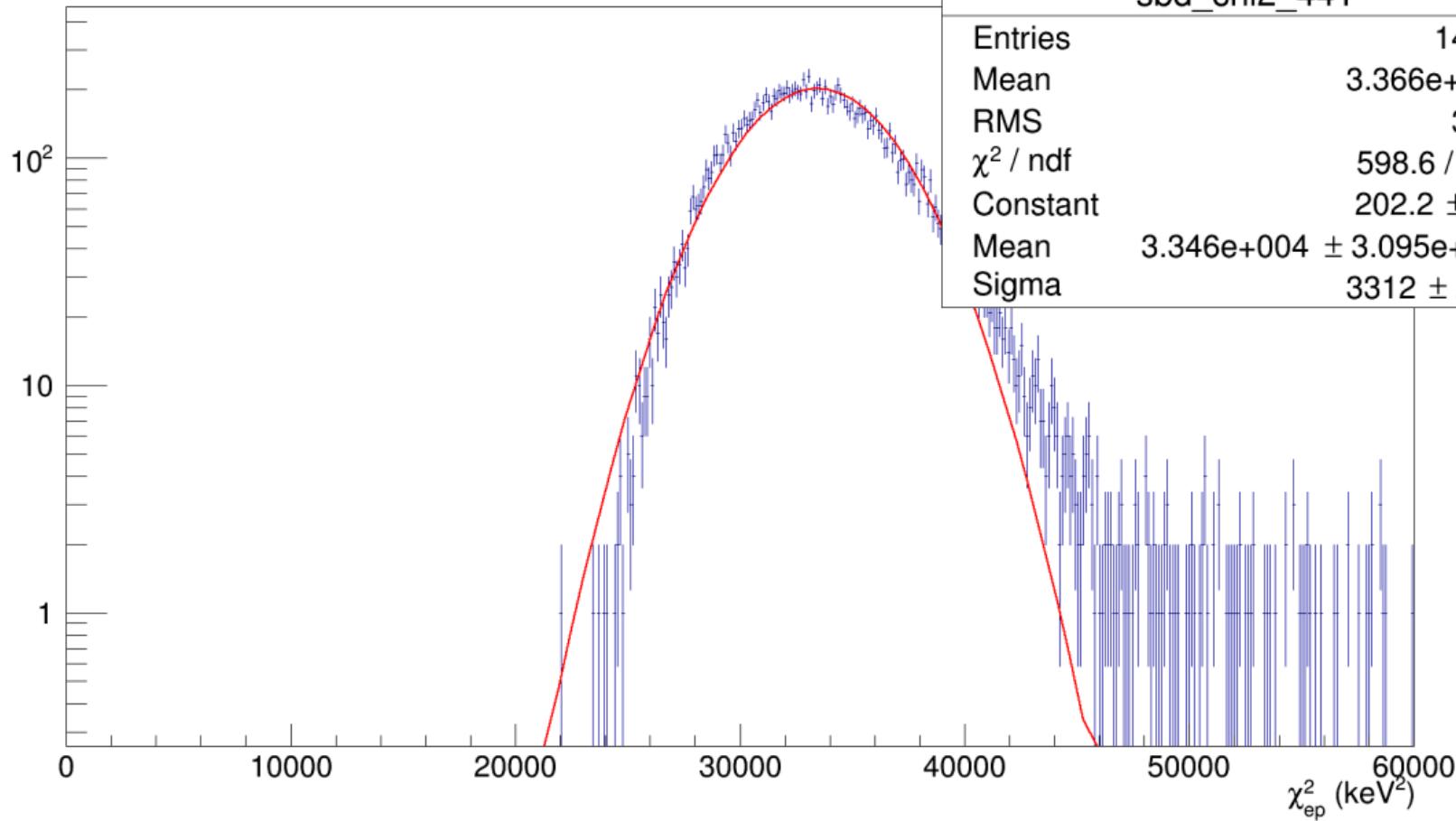
probability



sbd_chi2_440	
Entries	14780
Mean	3.356e+004
RMS	3702
χ^2 / ndf	535.9 / 252
Constant	208.7 ± 2.2
Mean	3.342e+004 ± 2.969e+001
Sigma	3260 ± 20.3

χ^2_{ep} from 441.00 keV to 442.00 keV

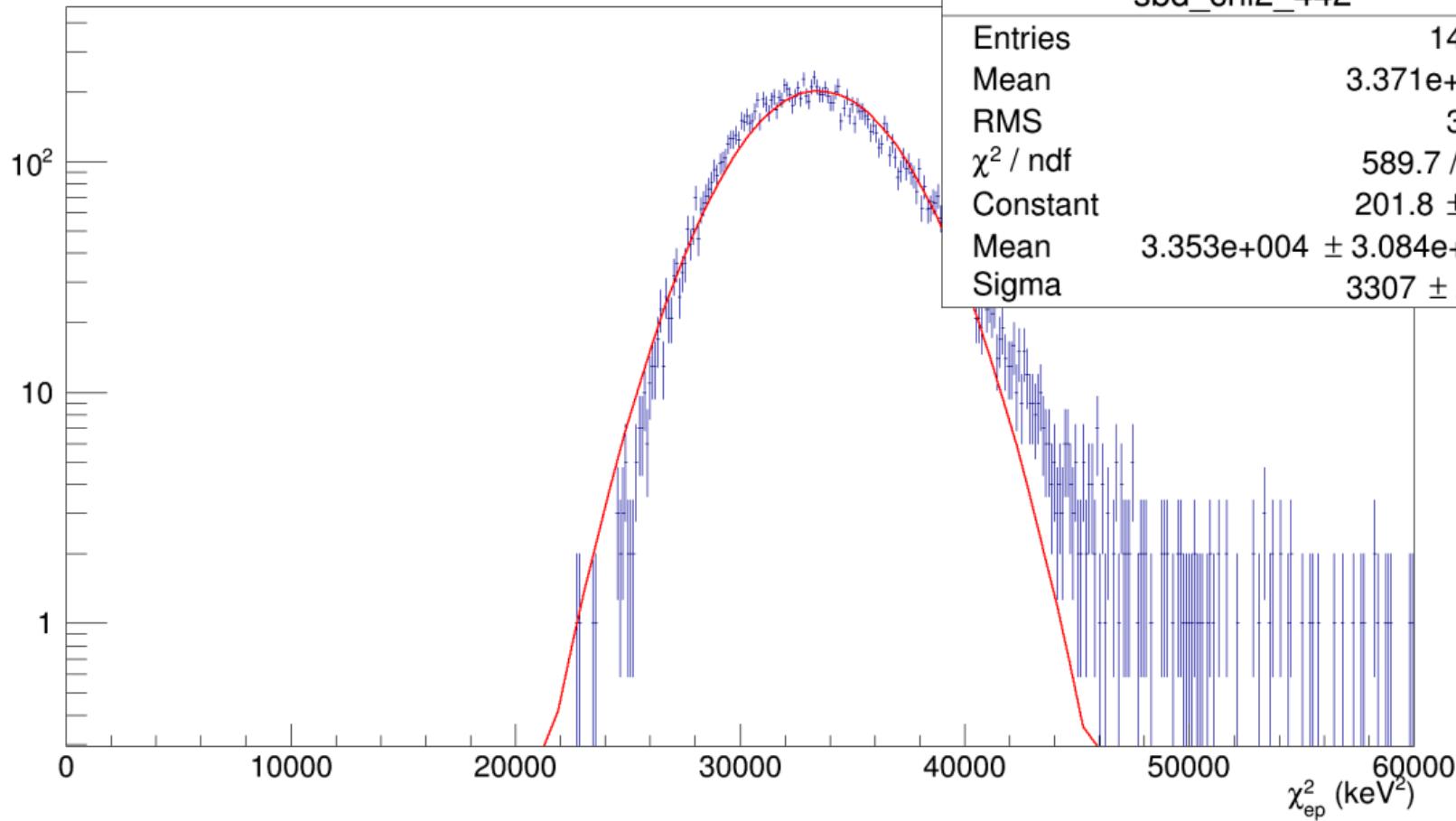
probability



sbd_chi2_441	
Entries	14591
Mean	3.366e+004
RMS	3811
χ^2 / ndf	598.6 / 253
Constant	202.2 ± 2.2
Mean	3.346e+004 ± 3.095e+001
Sigma	3312 ± 21.8

χ^2_{ep} from 442.00 keV to 443.00 keV

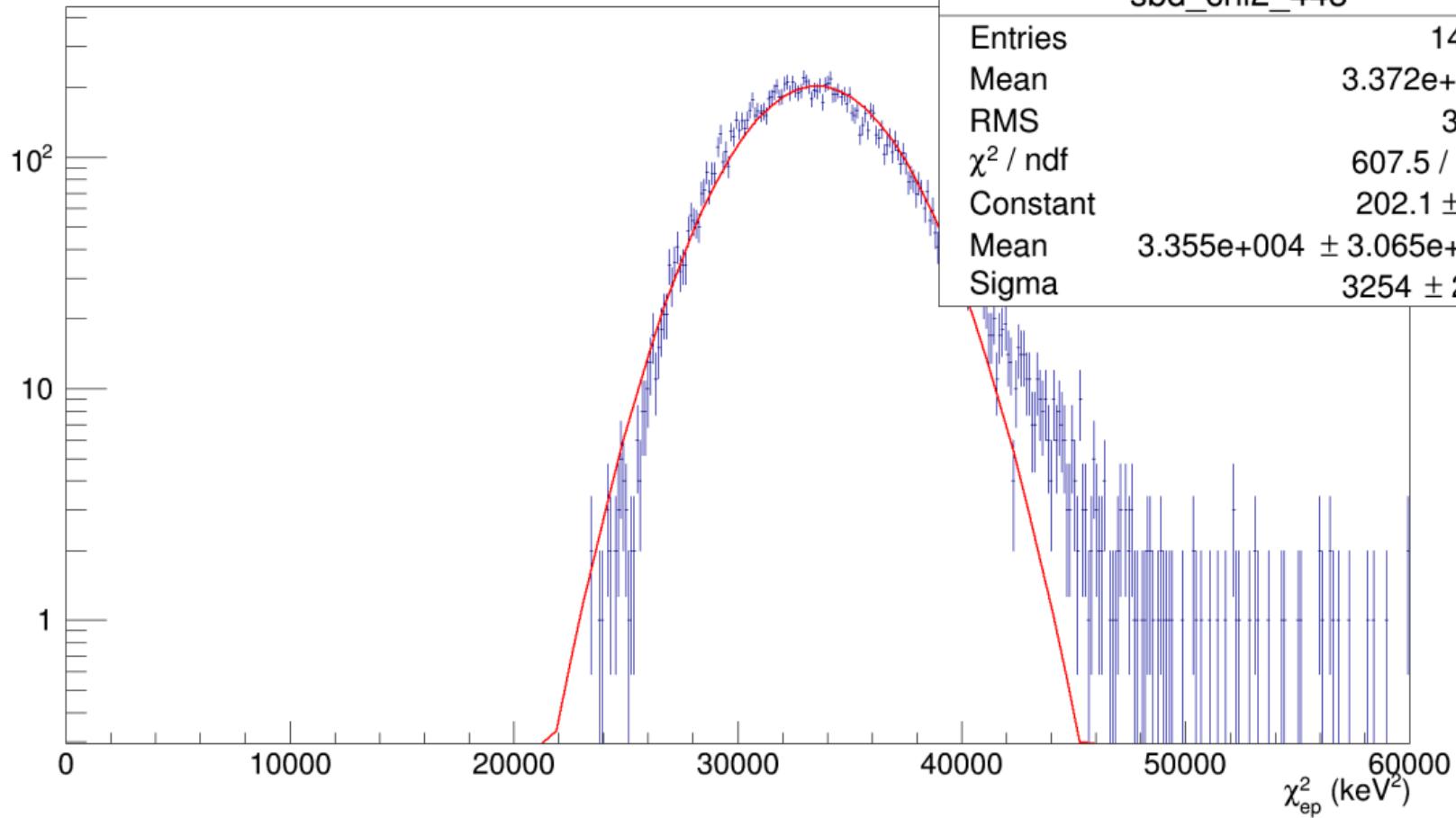
probability



sbd_chi2_442	
Entries	14542
Mean	3.371e+004
RMS	3743
χ^2 / ndf	589.7 / 241
Constant	201.8 ± 2.2
Mean	3.353e+004 ± 3.084e+001
Sigma	3307 ± 22.2

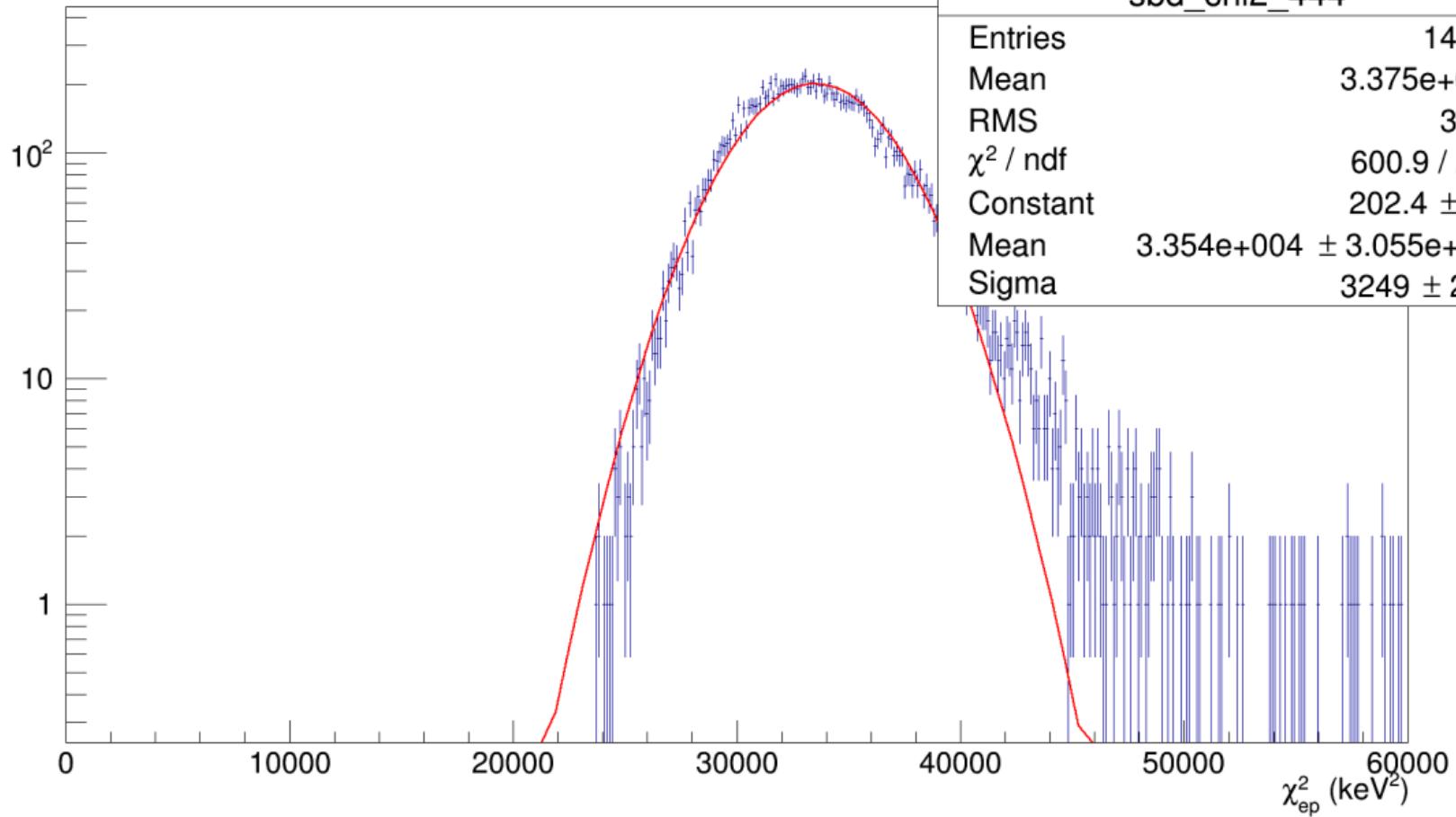
χ^2_{ep} from 443.00 keV to 444.00 keV

probability



χ^2_{ep} from 444.00 keV to 445.00 keV

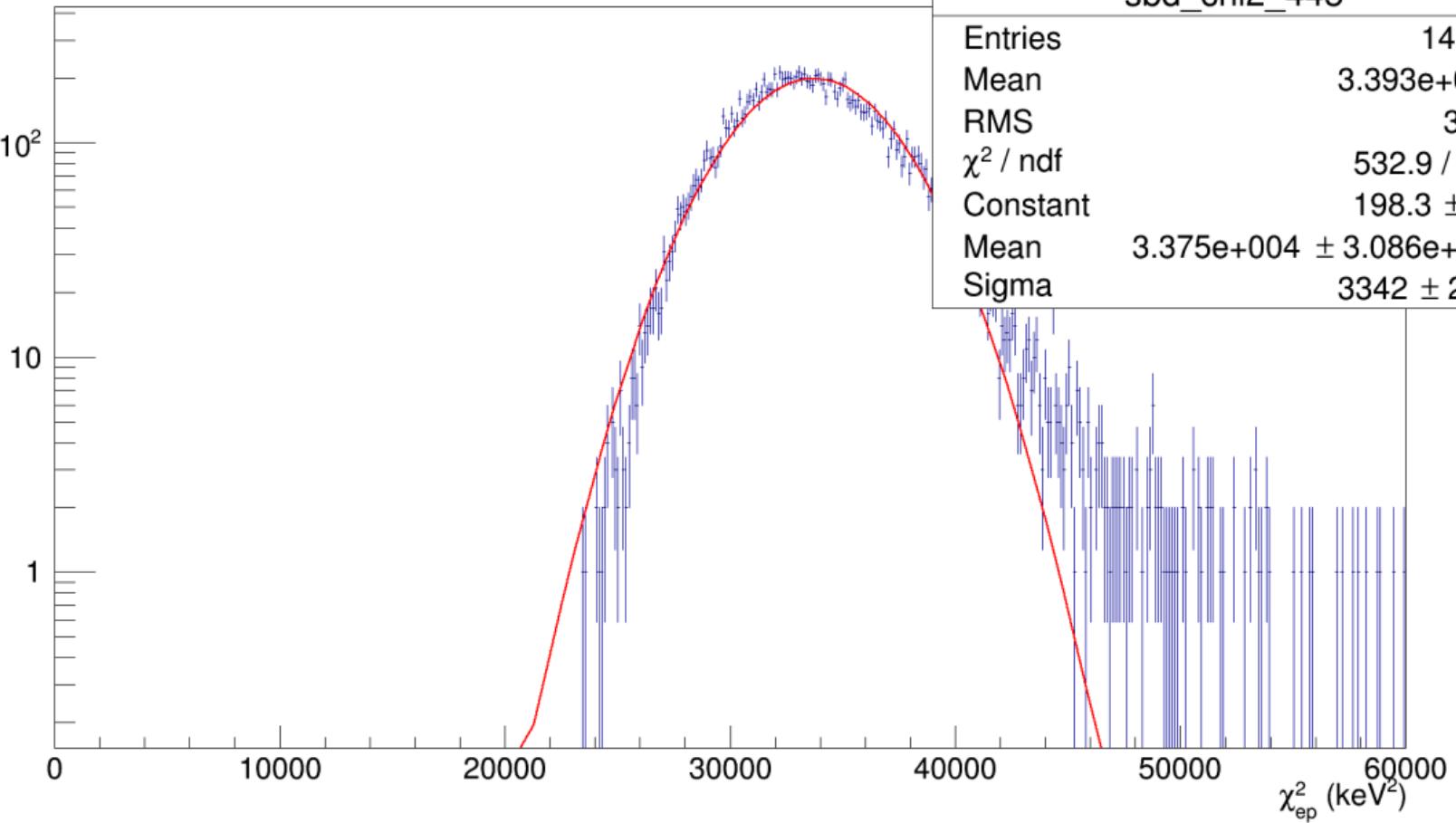
probability



sbd_chi2_444	
Entries	14357
Mean	3.375e+004
RMS	3750
χ^2 / ndf	600.9 / 245
Constant	202.4 ± 2.2
Mean	3.354e+004 ± 3.055e+001
Sigma	3249 ± 21.8

χ^2_{ep} from 445.00 keV to 446.00 keV

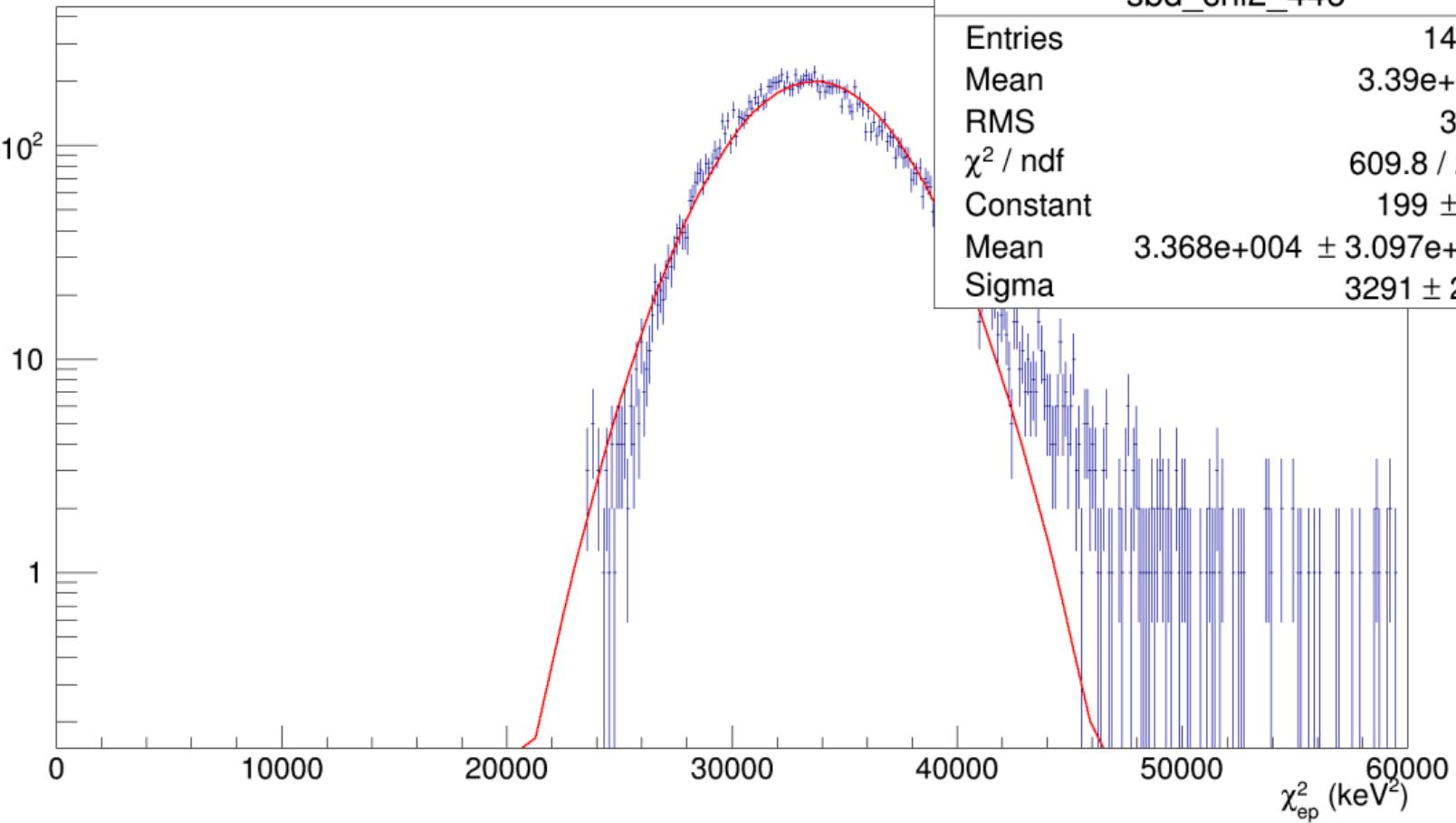
probability



sbd_chi2_445	
Entries	14389
Mean	3.393e+004
RMS	3761
χ^2 / ndf	532.9 / 241
Constant	198.3 ± 2.1
Mean	3.375e+004 ± 3.086e+001
Sigma	3342 ± 22.0

χ^2_{ep} from 446.00 keV to 447.00 keV

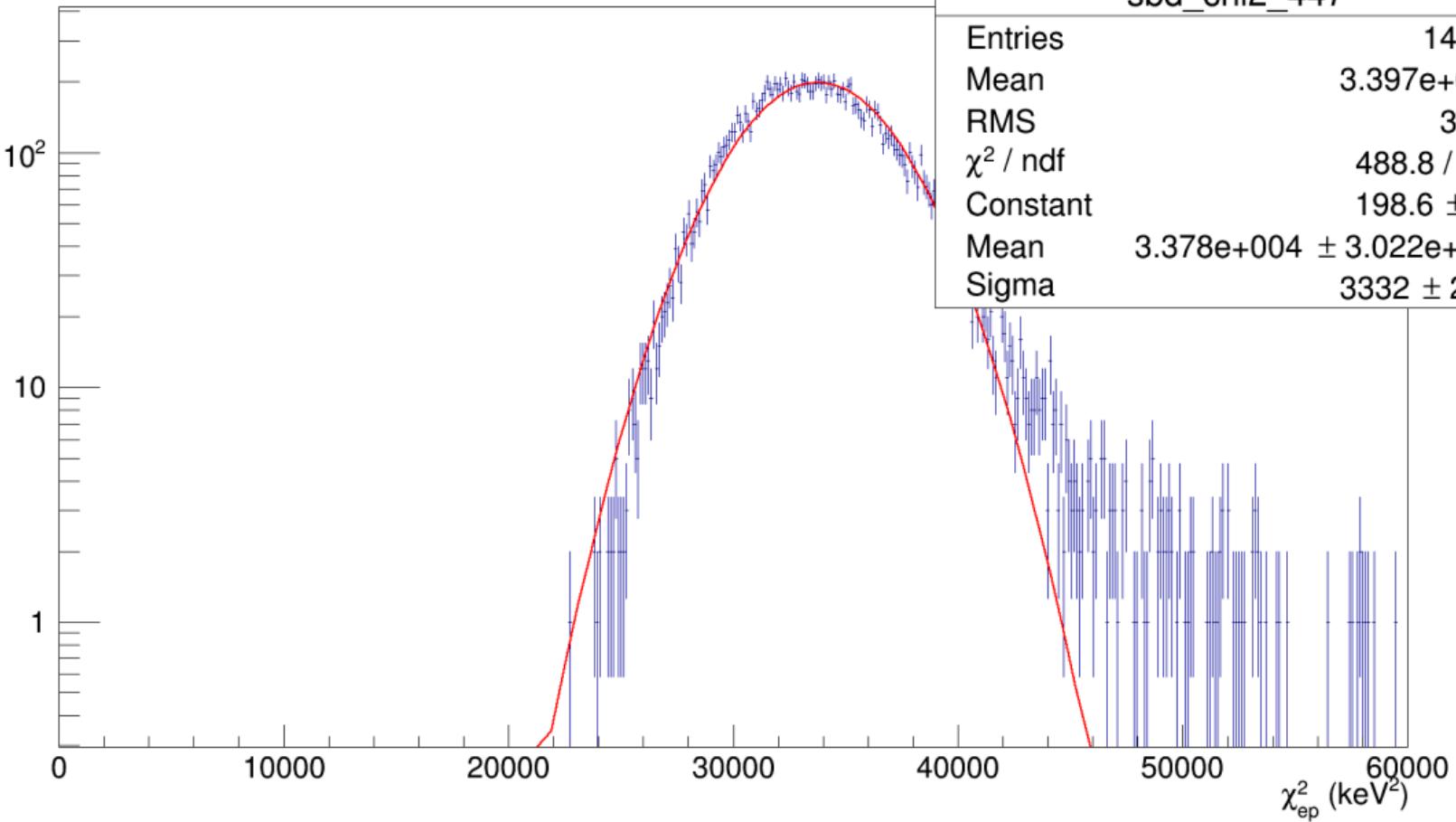
probability



sbd_chi2_446	
Entries	14314
Mean	3.39e+004
RMS	3794
χ^2 / ndf	609.8 / 247
Constant	199 ± 2.2
Mean	3.368e+004 ± 3.097e+001
Sigma	3291 ± 22.3

χ^2_{ep} from 447.00 keV to 448.00 keV

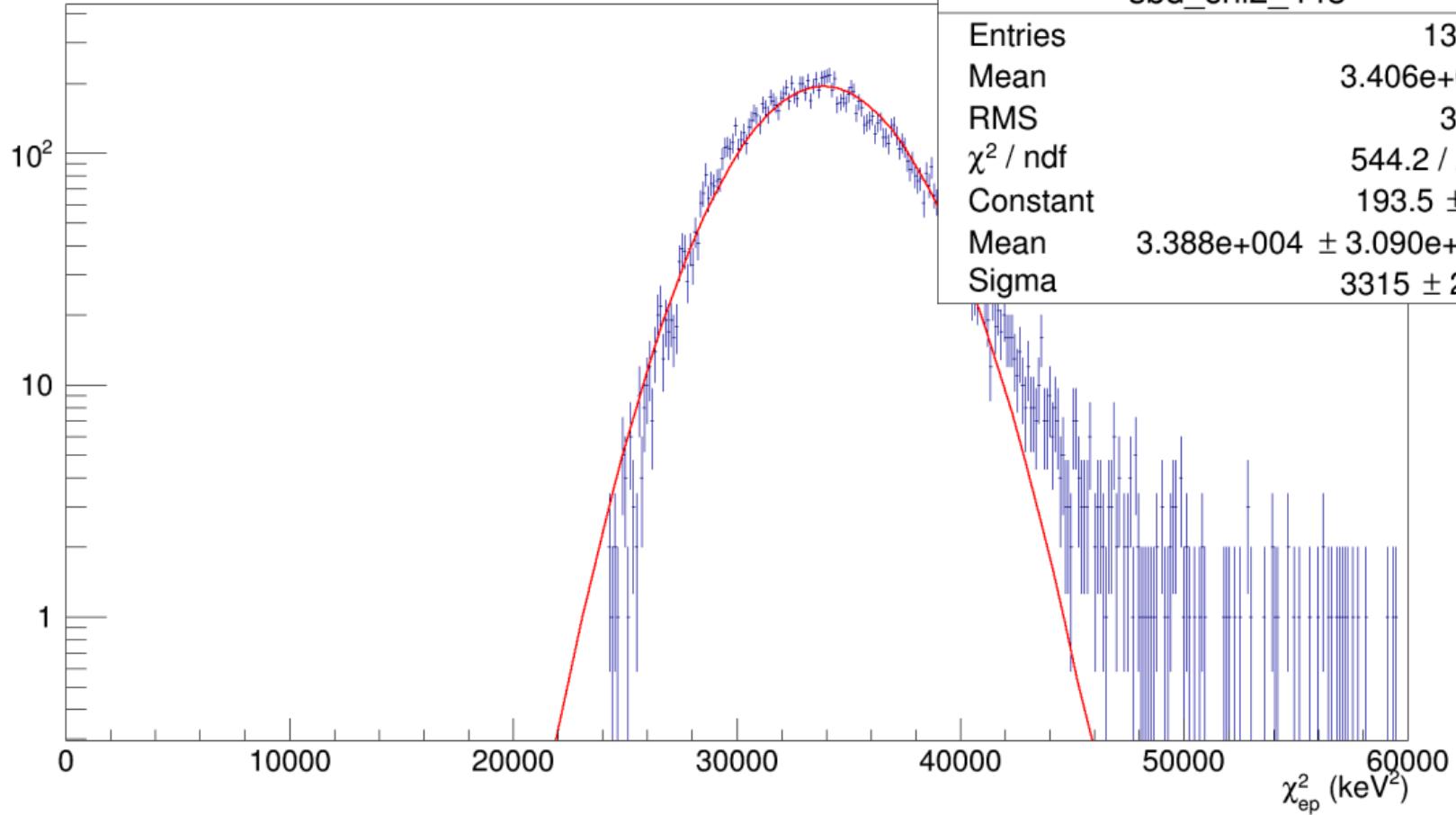
probability



sbd_chi2_447	
Entries	14343
Mean	3.397e+004
RMS	3759
χ^2 / ndf	488.8 / 241
Constant	198.6 ± 2.1
Mean	3.378e+004 ± 3.022e+001
Sigma	3332 ± 21.9

χ^2_{ep} from 448.00 keV to 449.00 keV

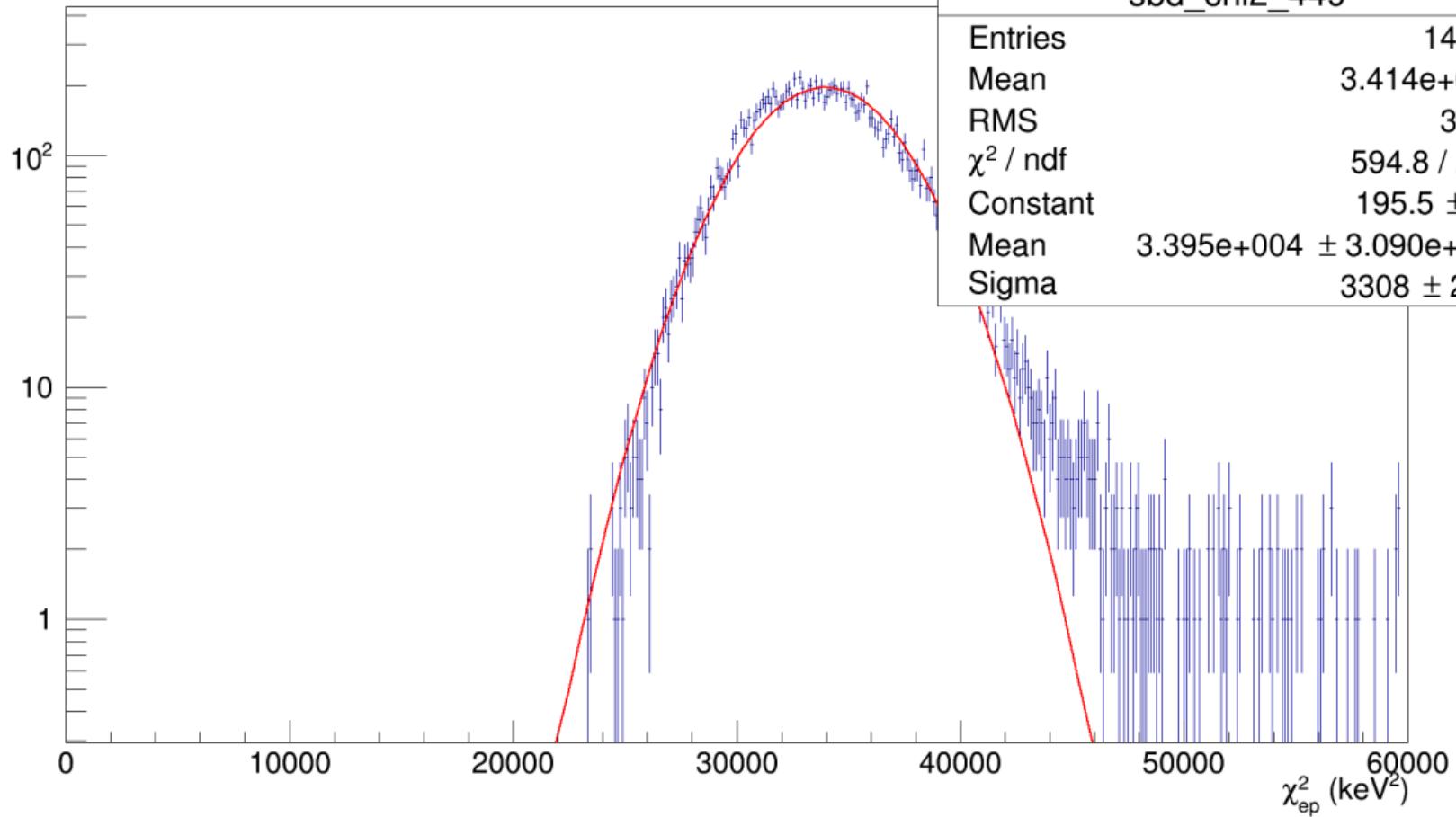
probability



sbd_chi2_448	
Entries	13962
Mean	3.406e+004
RMS	3770
χ^2 / ndf	544.2 / 243
Constant	193.5 ± 2.1
Mean	3.388e+004 ± 3.090e+001
Sigma	3315 ± 22.3

χ^2_{ep} from 449.00 keV to 450.00 keV

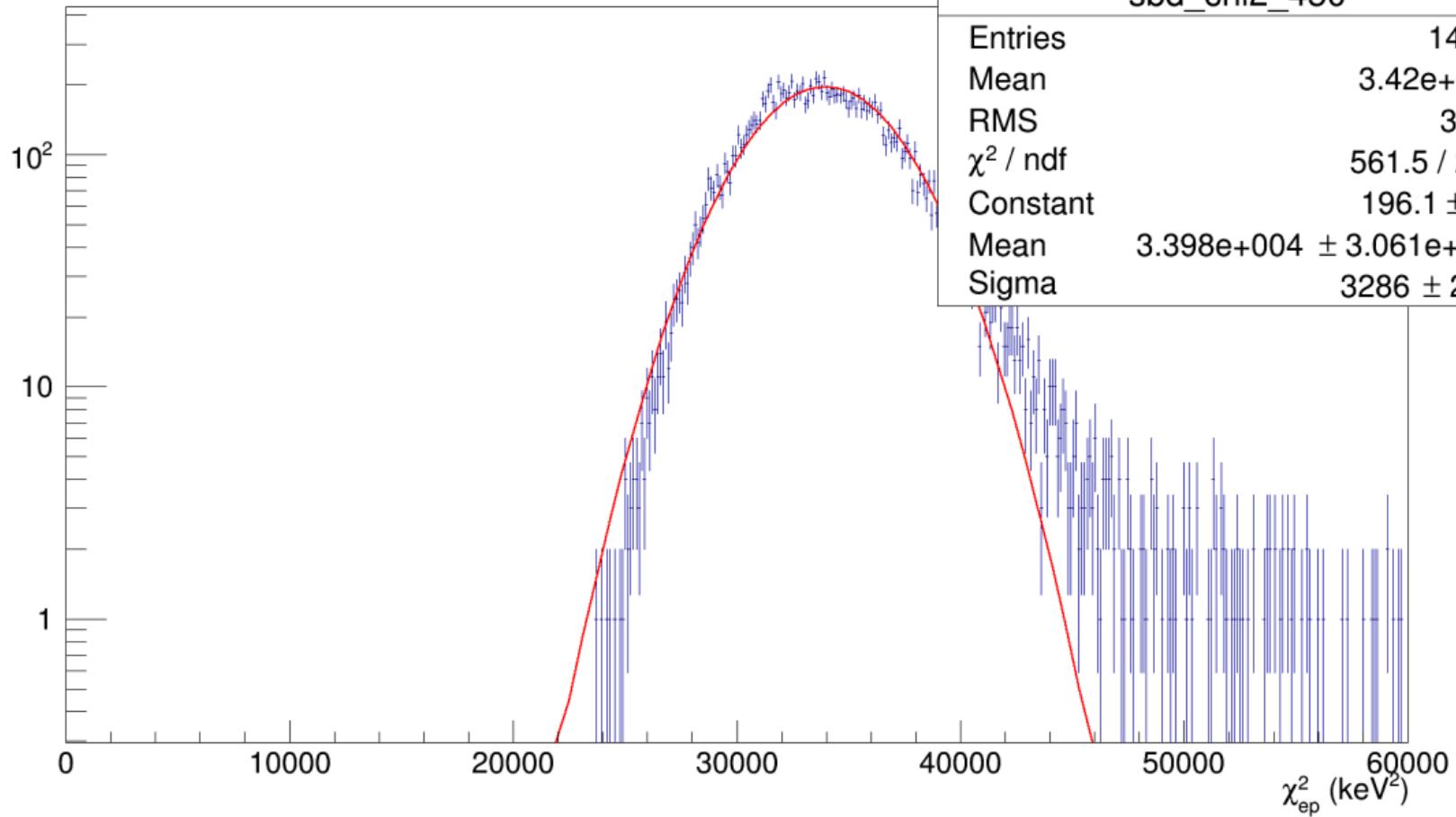
probability



sbd_chi2_449	
Entries	14128
Mean	3.414e+004
RMS	3798
χ^2 / ndf	594.8 / 245
Constant	195.5 ± 2.1
Mean	3.395e+004 ± 3.090e+001
Sigma	3308 ± 22.3

χ^2_{ep} from 450.00 keV to 451.00 keV

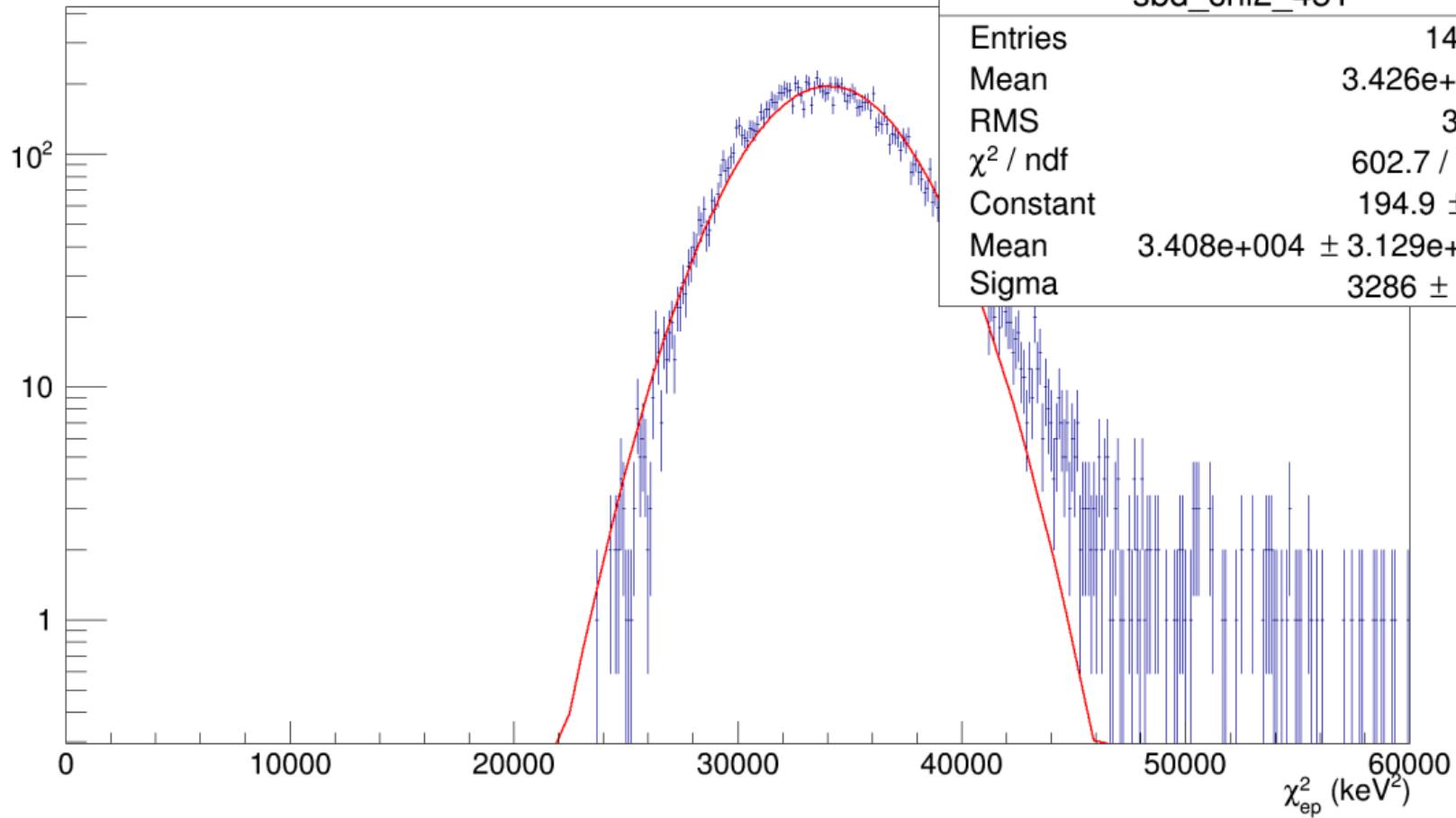
probability



sbd_chi2_450	
Entries	14051
Mean	3.42e+004
RMS	3792
χ^2 / ndf	561.5 / 247
Constant	196.1 ± 2.1
Mean	3.398e+004 ± 3.061e+001
Sigma	3286 ± 21.7

χ^2_{ep} from 451.00 keV to 452.00 keV

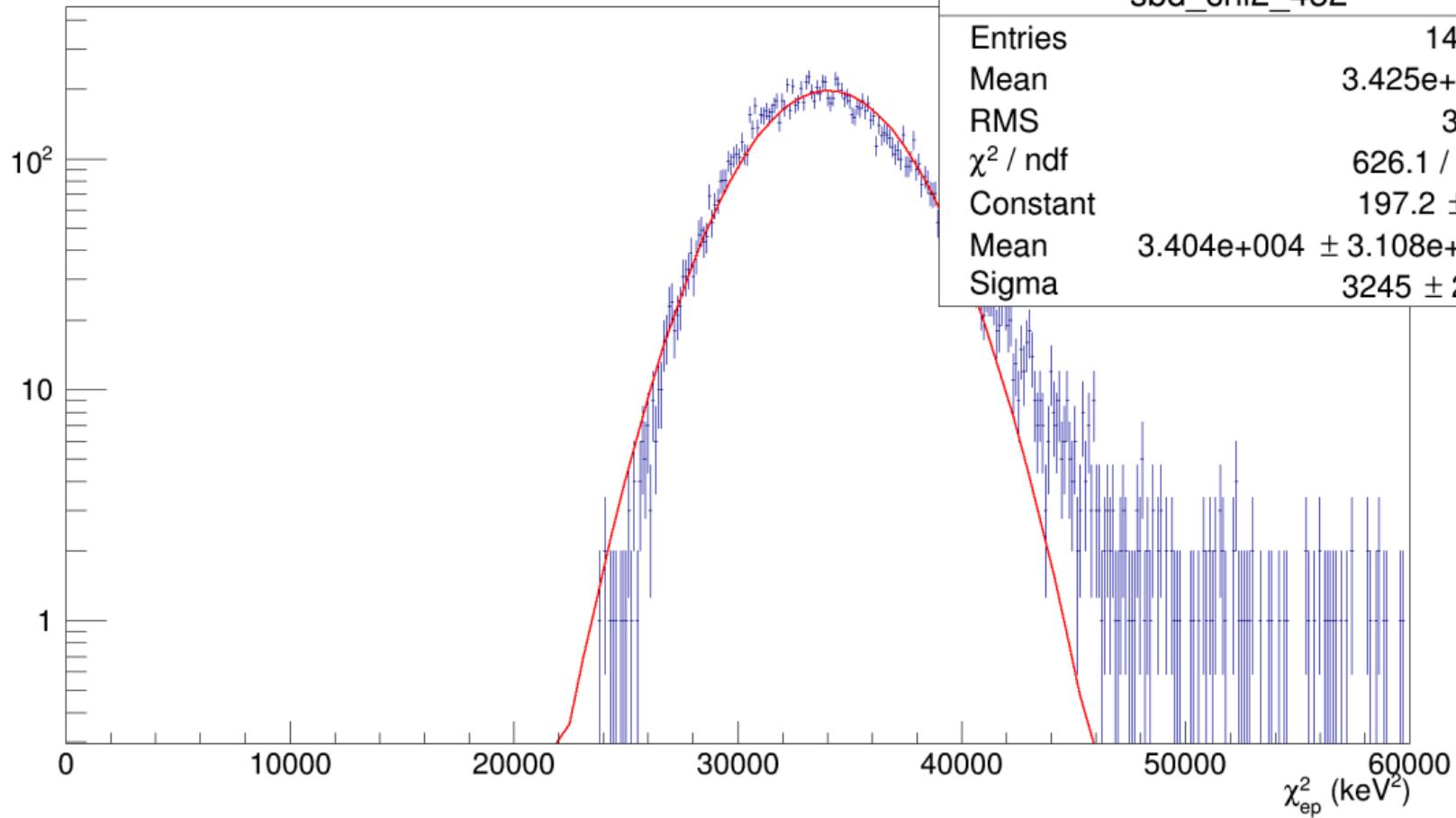
probability



sbd_chi2_451	
Entries	14015
Mean	3.426e+004
RMS	3780
χ^2 / ndf	602.7 / 244
Constant	194.9 ± 2.1
Mean	3.408e+004 ± 3.129e+001
Sigma	3286 ± 22.1

χ^2_{ep} from 452.00 keV to 453.00 keV

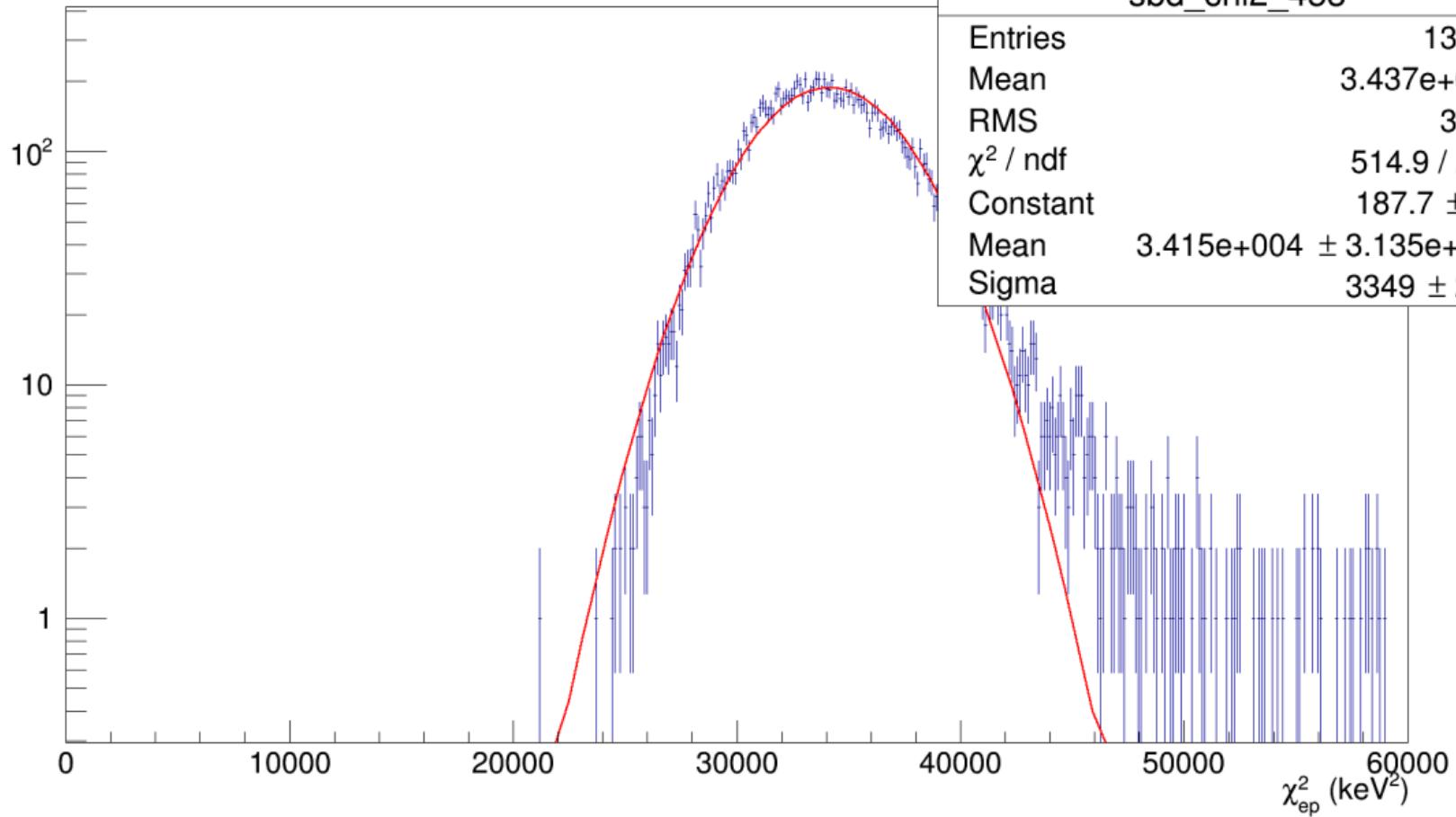
probability



sbd_chi2_452	
Entries	14027
Mean	3.425e+004
RMS	3792
χ^2 / ndf	626.1 / 253
Constant	197.2 ± 2.1
Mean	3.404e+004 ± 3.108e+001
Sigma	3245 ± 21.4

χ^2_{ep} from 453.00 keV to 454.00 keV

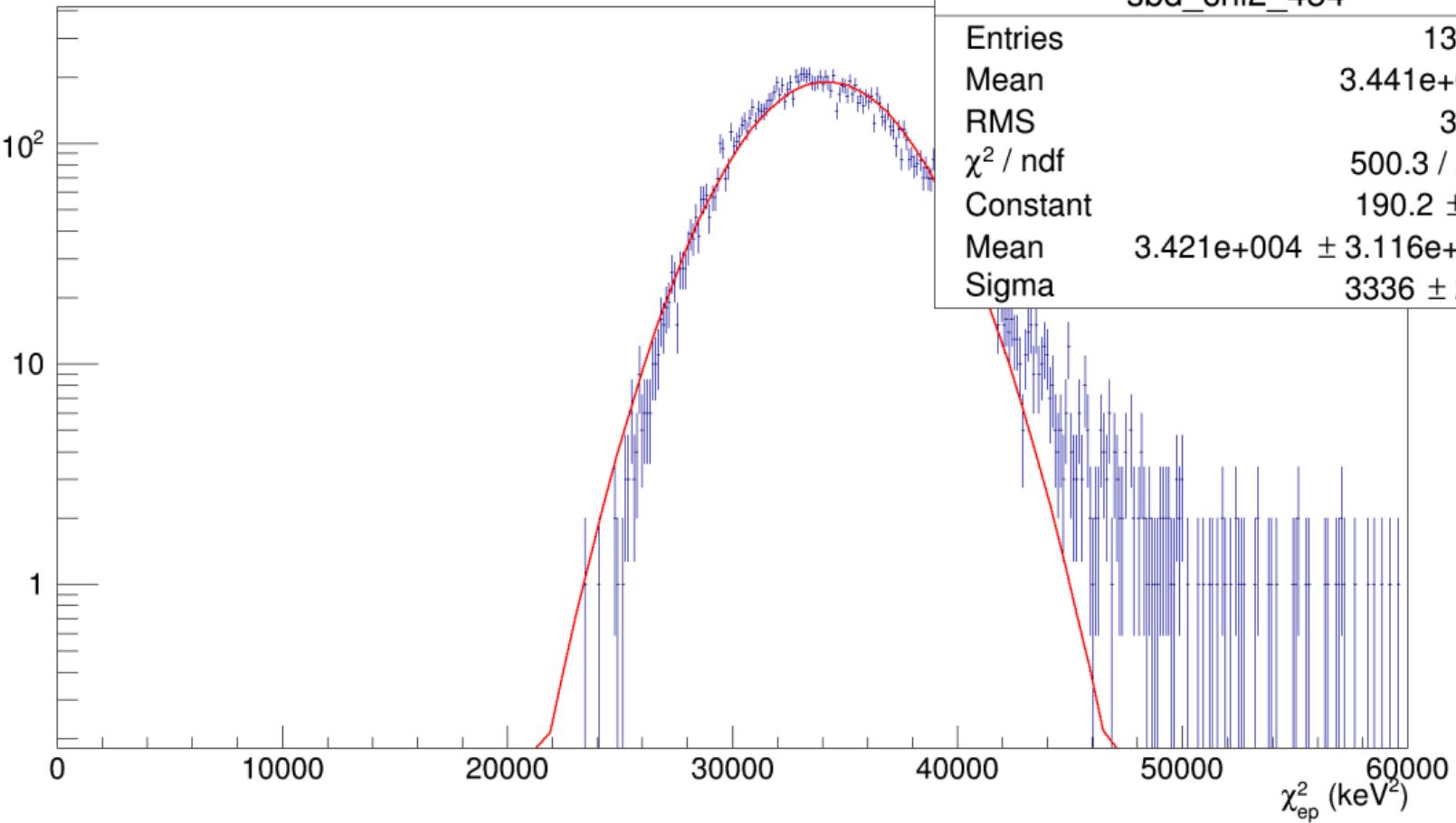
probability



sbd_chi2_453	
Entries	13662
Mean	3.437e+004
RMS	3797
χ^2 / ndf	514.9 / 242
Constant	187.7 ± 2.1
Mean	3.415e+004 ± 3.135e+001
Sigma	3349 ± 23.1

χ^2_{ep} from 454.00 keV to 455.00 keV

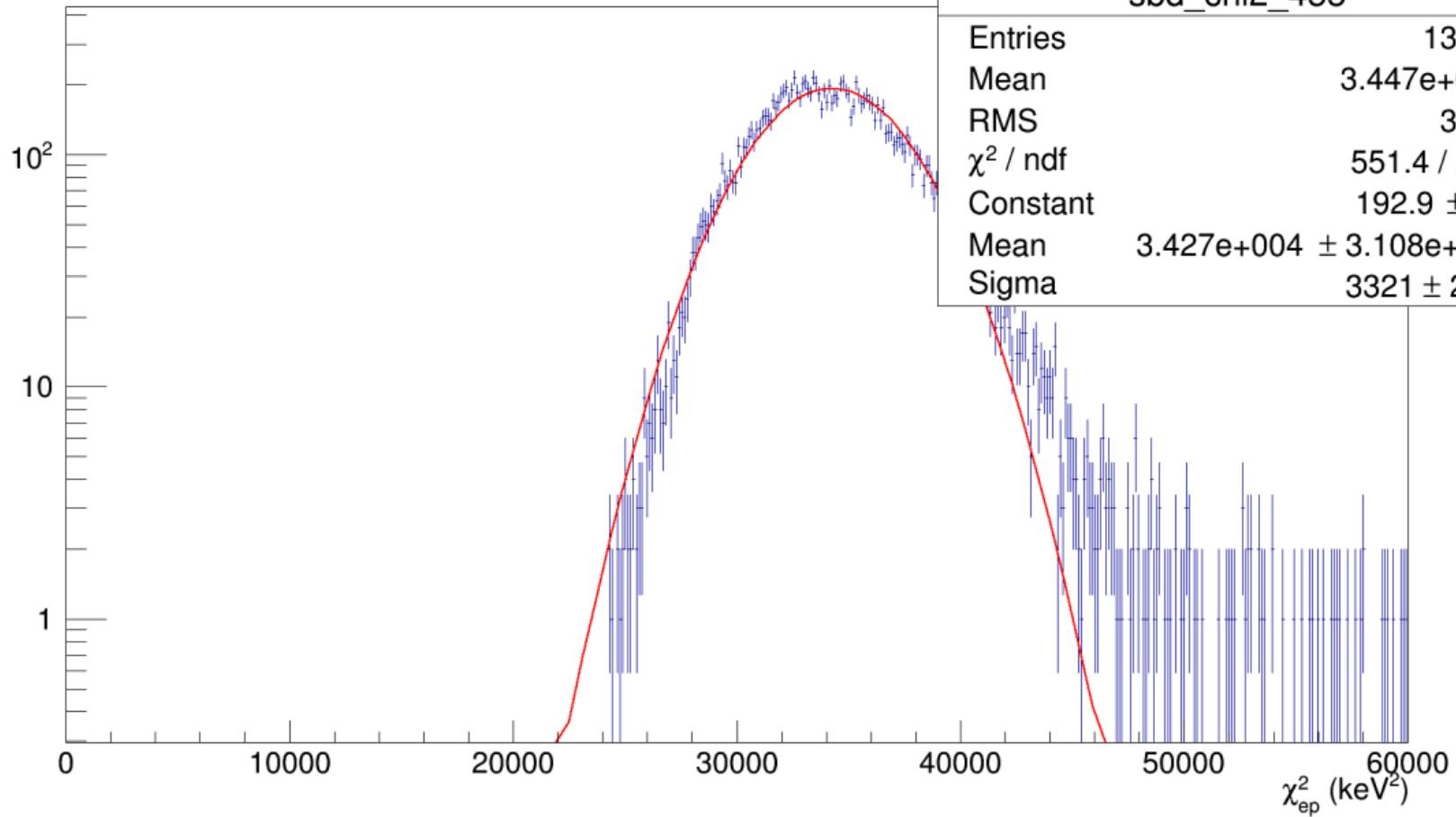
probability



sbd_chi2_454	
Entries	13775
Mean	3.441e+004
RMS	3749
χ^2 / ndf	500.3 / 242
Constant	190.2 ± 2.1
Mean	3.421e+004 ± 3.116e+001
Sigma	3336 ± 23.1

χ^2_{ep} from 455.00 keV to 456.00 keV

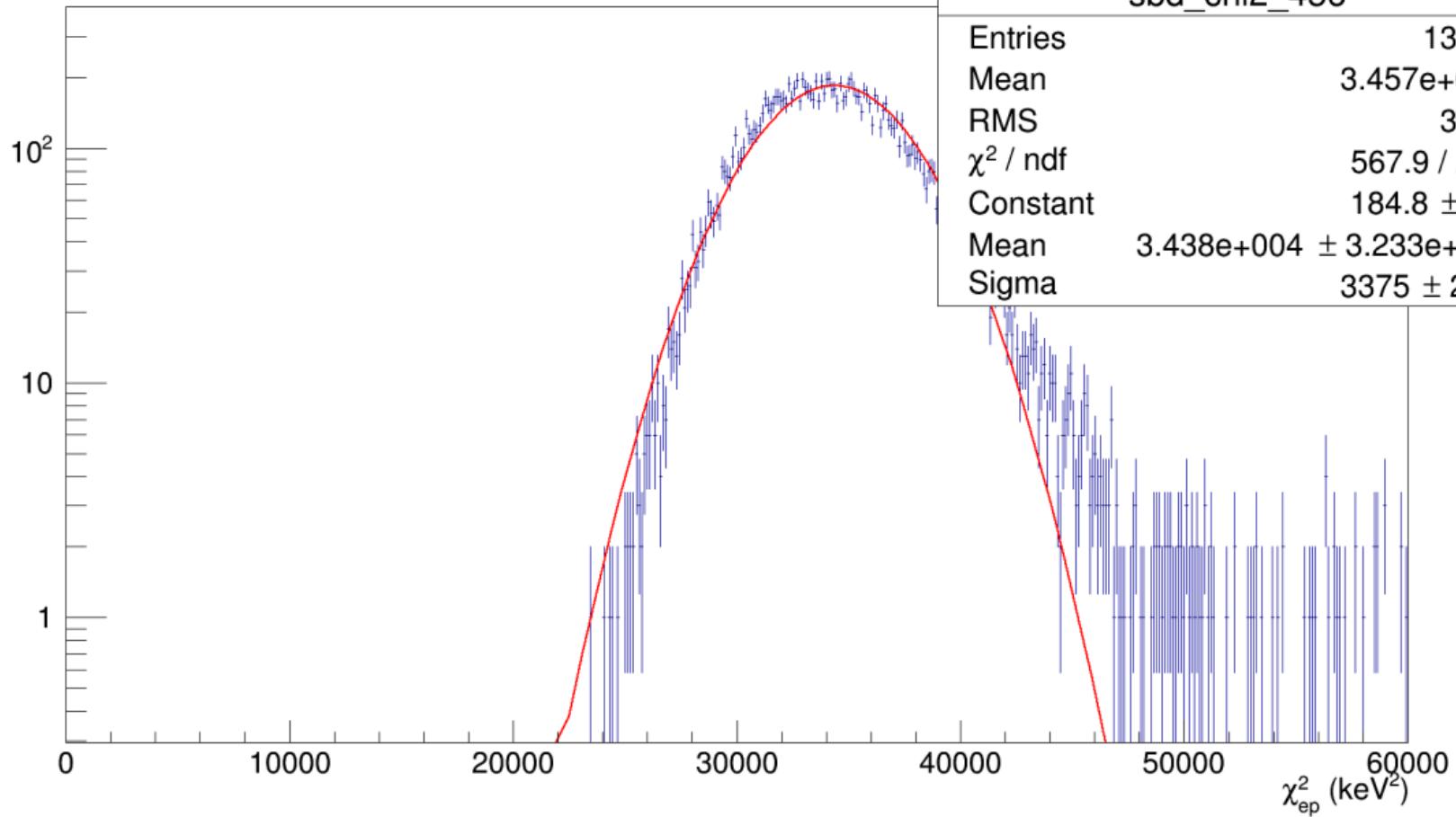
probability



sbd_chi2_455	
Entries	13964
Mean	3.447e+004
RMS	3759
χ^2 / ndf	551.4 / 246
Constant	192.9 \pm 2.1
Mean	3.427e+004 \pm 3.108e+001
Sigma	3321 \pm 22.6

χ^2_{ep} from 456.00 keV to 457.00 keV

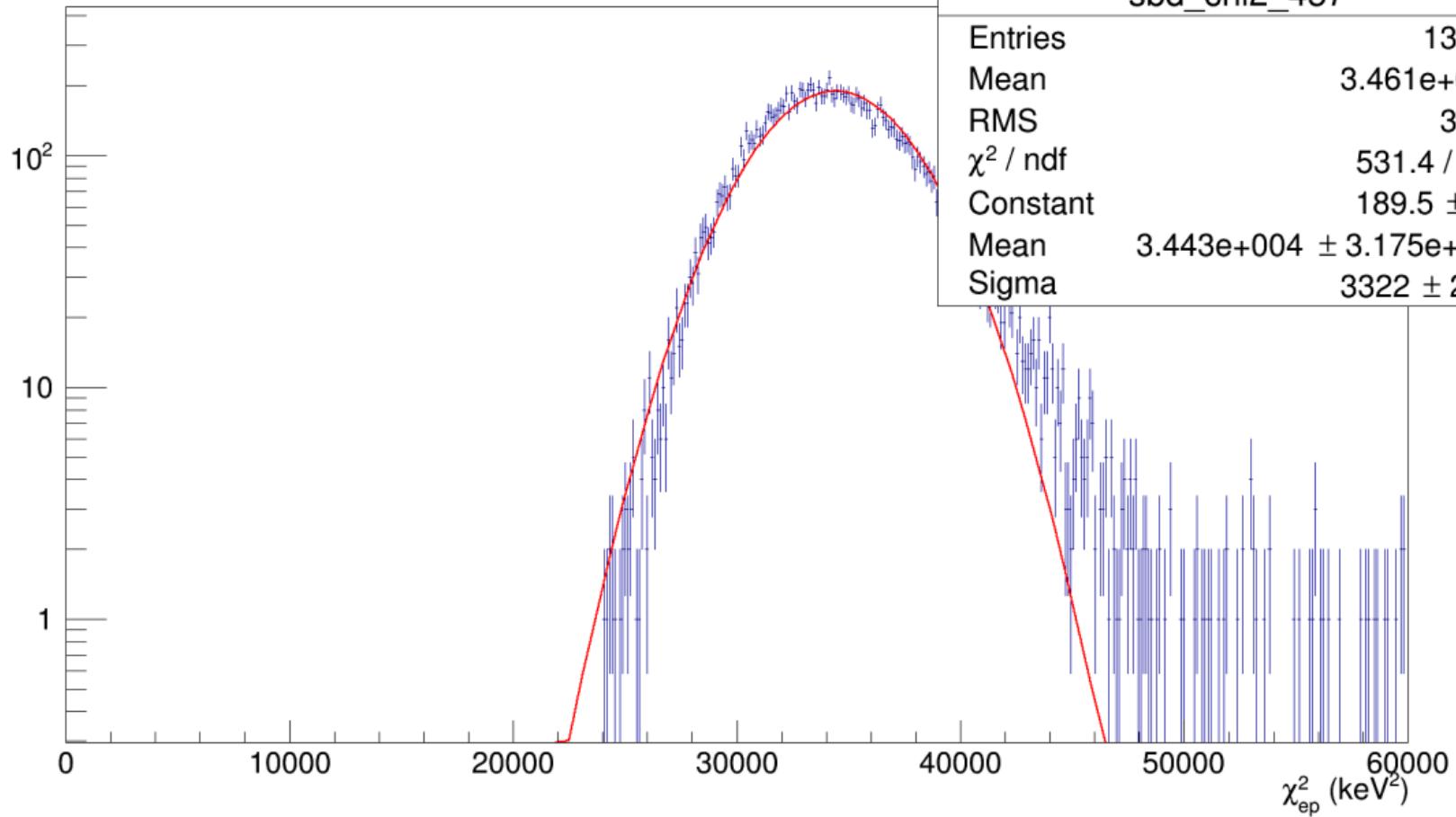
probability



sbd_chi2_456	
Entries	13619
Mean	3.457e+004
RMS	3846
χ^2 / ndf	567.9 / 245
Constant	184.8 ± 2.0
Mean	3.438e+004 ± 3.233e+001
Sigma	3375 ± 23.2

χ^2_{ep} from 457.00 keV to 458.00 keV

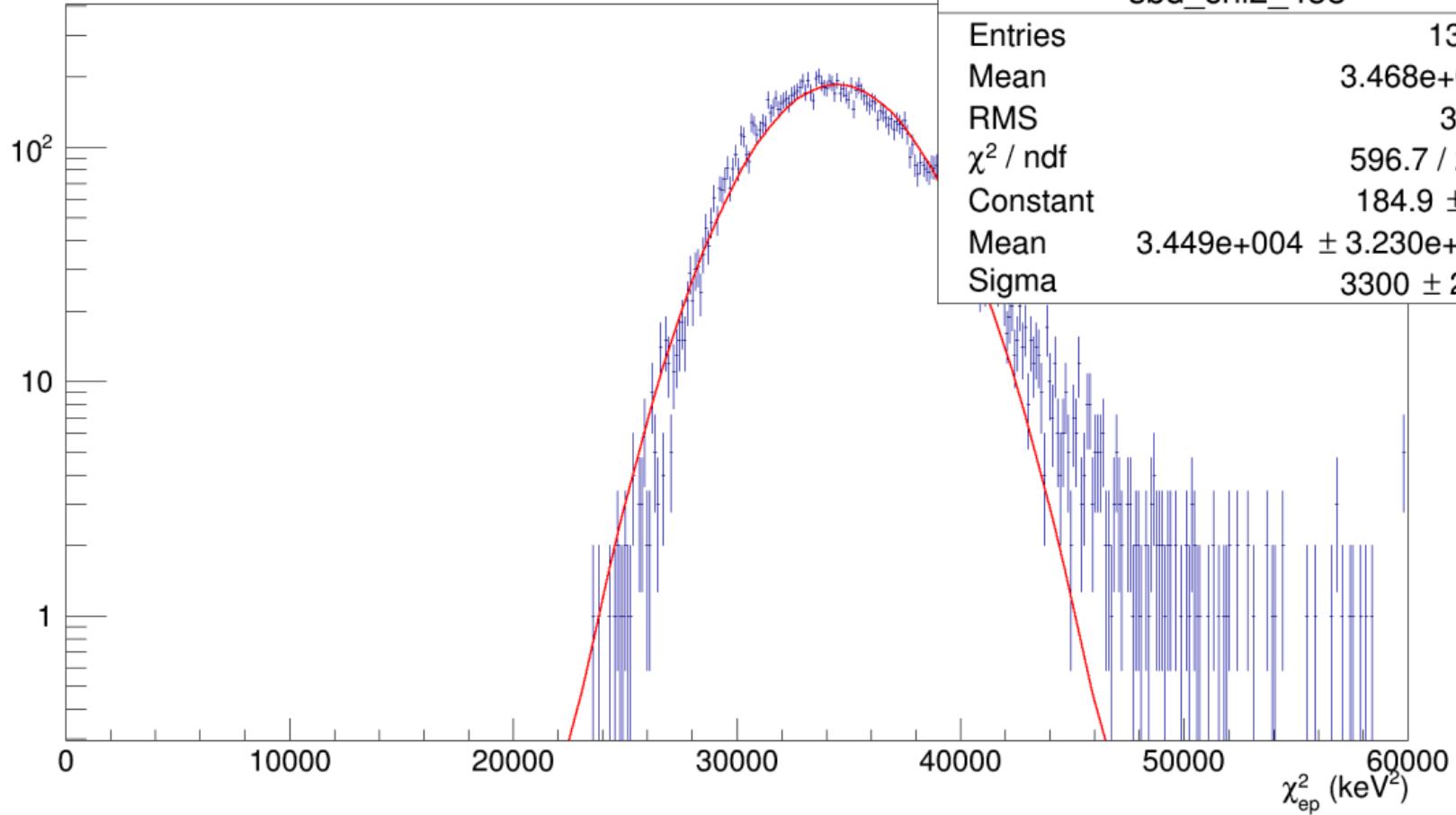
probability



sbd_chi2_457	
Entries	13722
Mean	3.461e+004
RMS	3788
χ^2 / ndf	531.4 / 241
Constant	189.5 ± 2.1
Mean	3.443e+004 ± 3.175e+001
Sigma	3322 ± 22.4

χ^2_{ep} from 458.00 keV to 459.00 keV

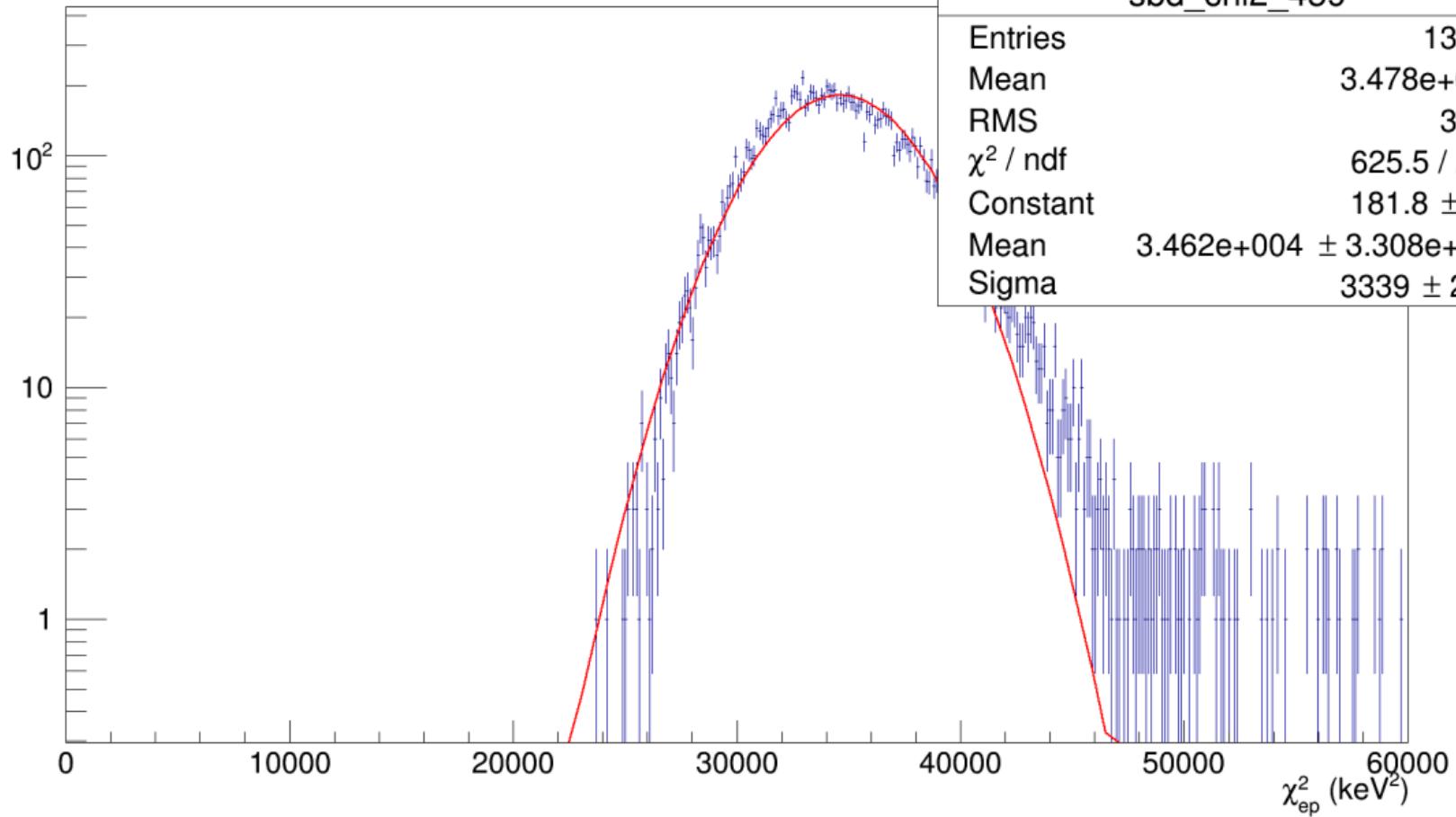
probability



sbd_chi2_458	
Entries	13371
Mean	3.468e+004
RMS	3783
χ^2 / ndf	596.7 / 237
Constant	184.9 \pm 2.1
Mean	3.449e+004 \pm 3.230e+001
Sigma	3300 \pm 22.7

χ^2_{ep} from 459.00 keV to 460.00 keV

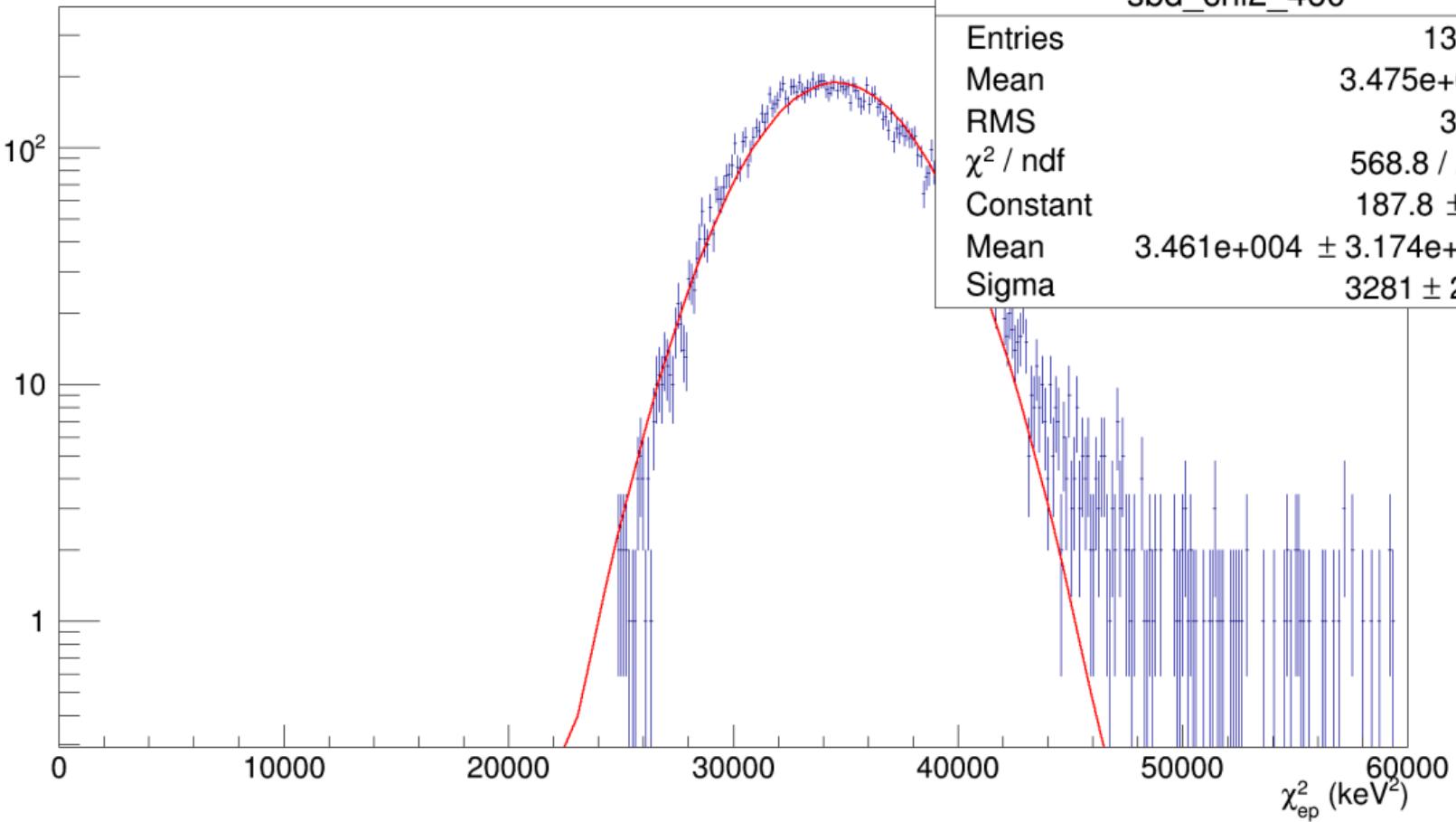
probability



sbd_chi2_459	
Entries	13334
Mean	3.478e+004
RMS	3798
χ^2 / ndf	625.5 / 239
Constant	181.8 ± 2.0
Mean	3.462e+004 ± 3.308e+001
Sigma	3339 ± 23.4

χ^2_{ep} from 460.00 keV to 461.00 keV

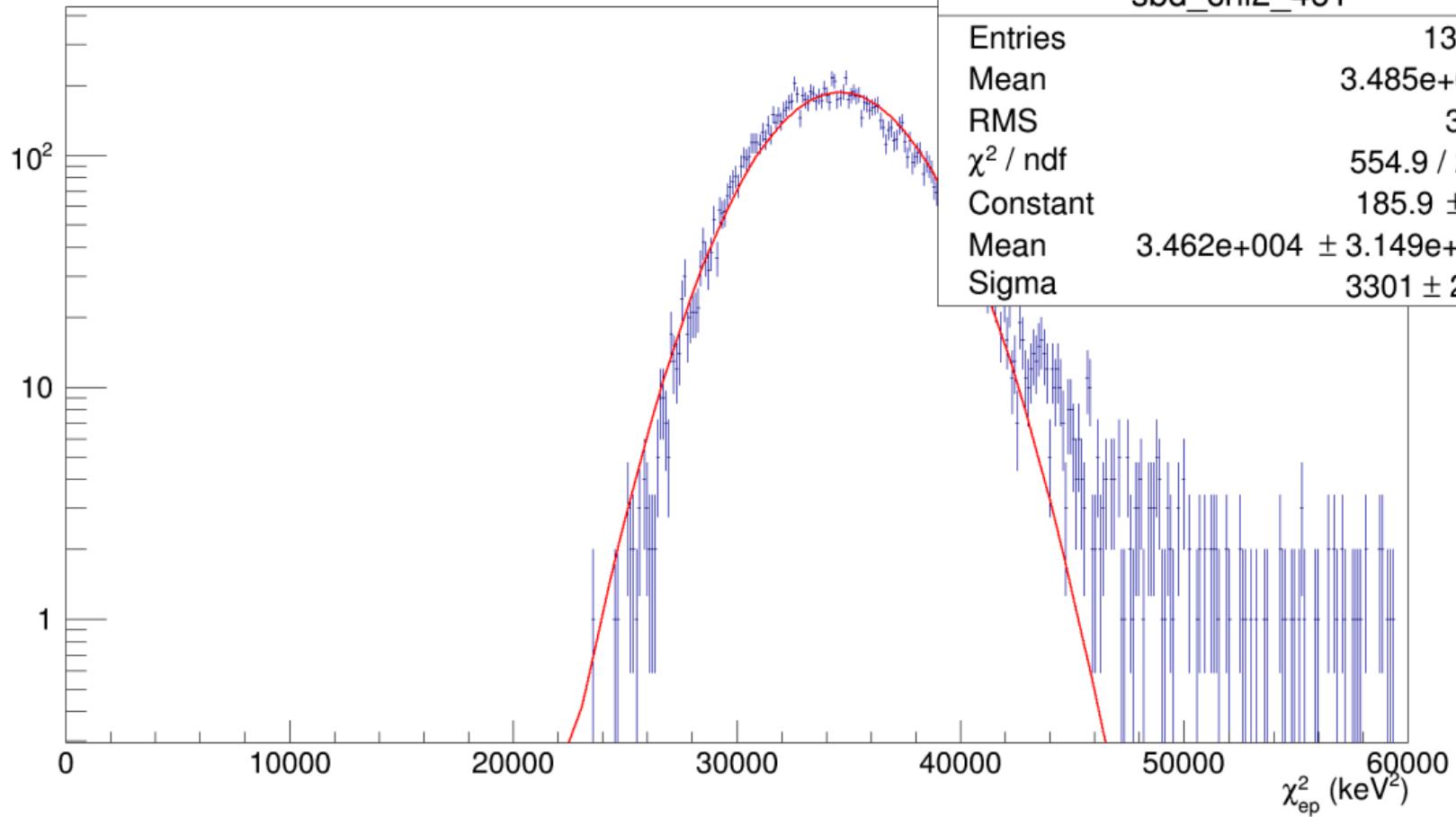
probability



sbd_chi2_460	
Entries	13477
Mean	3.475e+004
RMS	3739
χ^2 / ndf	568.8 / 239
Constant	187.8 ± 2.1
Mean	3.461e+004 ± 3.174e+001
Sigma	3281 ± 21.8

χ^2_{ep} from 461.00 keV to 462.00 keV

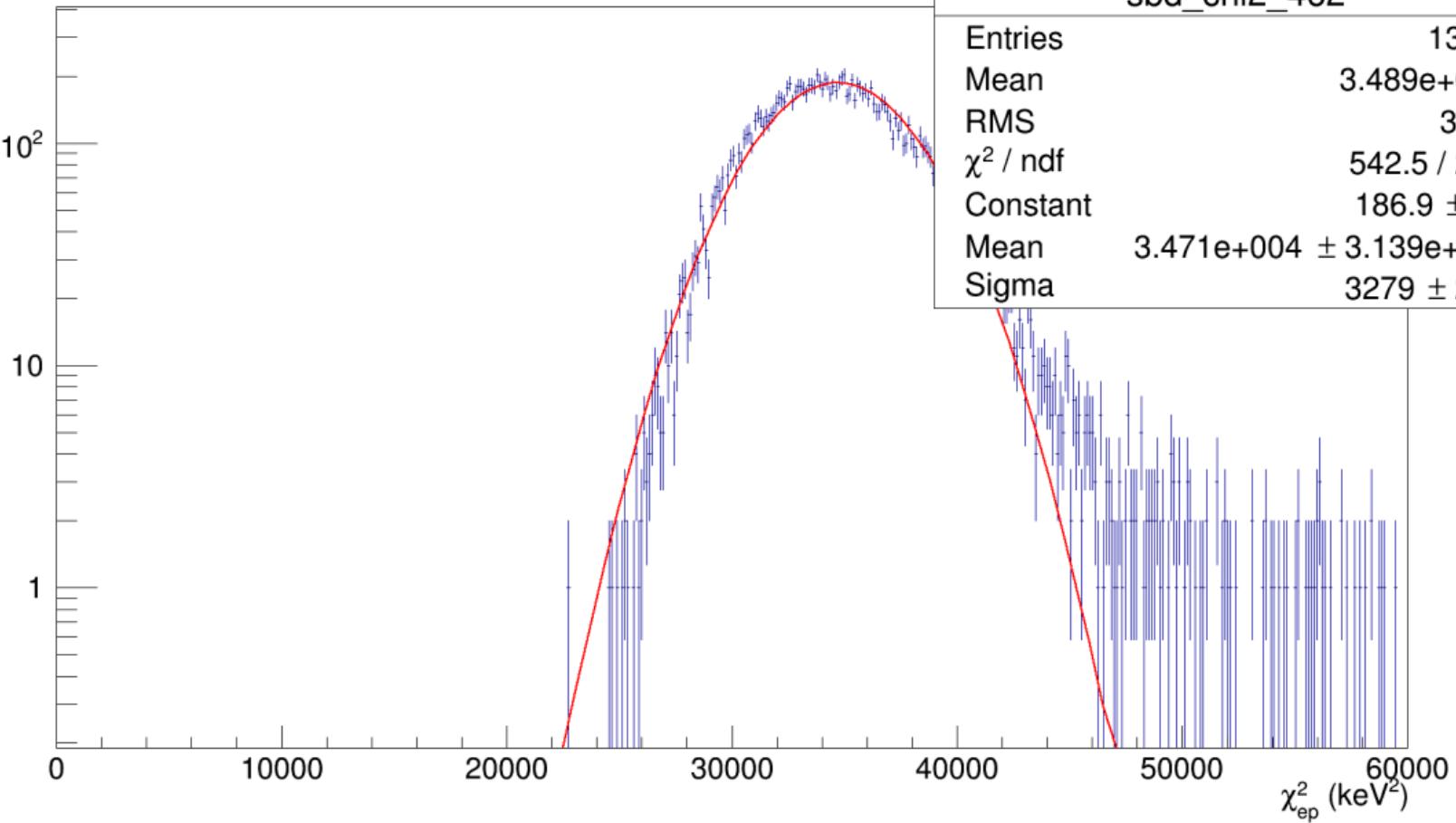
probability



sbd_chi2_461	
Entries	13399
Mean	3.485×10^4
RMS	3821
χ^2 / ndf	554.9 / 244
Constant	185.9 ± 2.1
Mean	$3.462 \times 10^4 \pm 3.149 \times 10^1$
Sigma	3301 ± 22.6

χ^2_{ep} from 462.00 keV to 463.00 keV

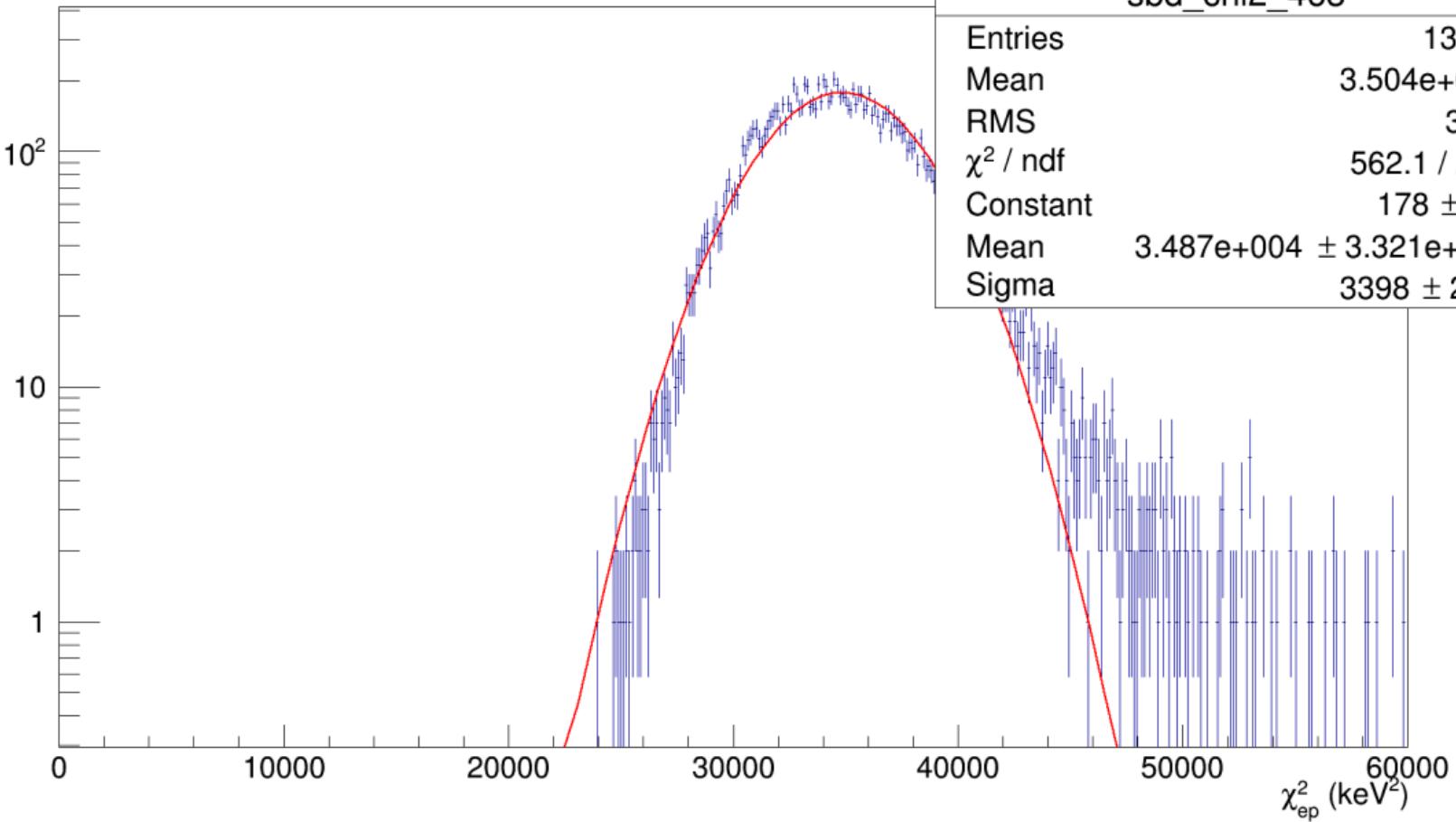
probability



sbd_chi2_462	
Entries	13371
Mean	3.489e+004
RMS	3766
χ^2 / ndf	542.5 / 247
Constant	186.9 \pm 2.1
Mean	3.471e+004 \pm 3.139e+001
Sigma	3279 \pm 22.1

χ^2_{ep} from 463.00 keV to 464.00 keV

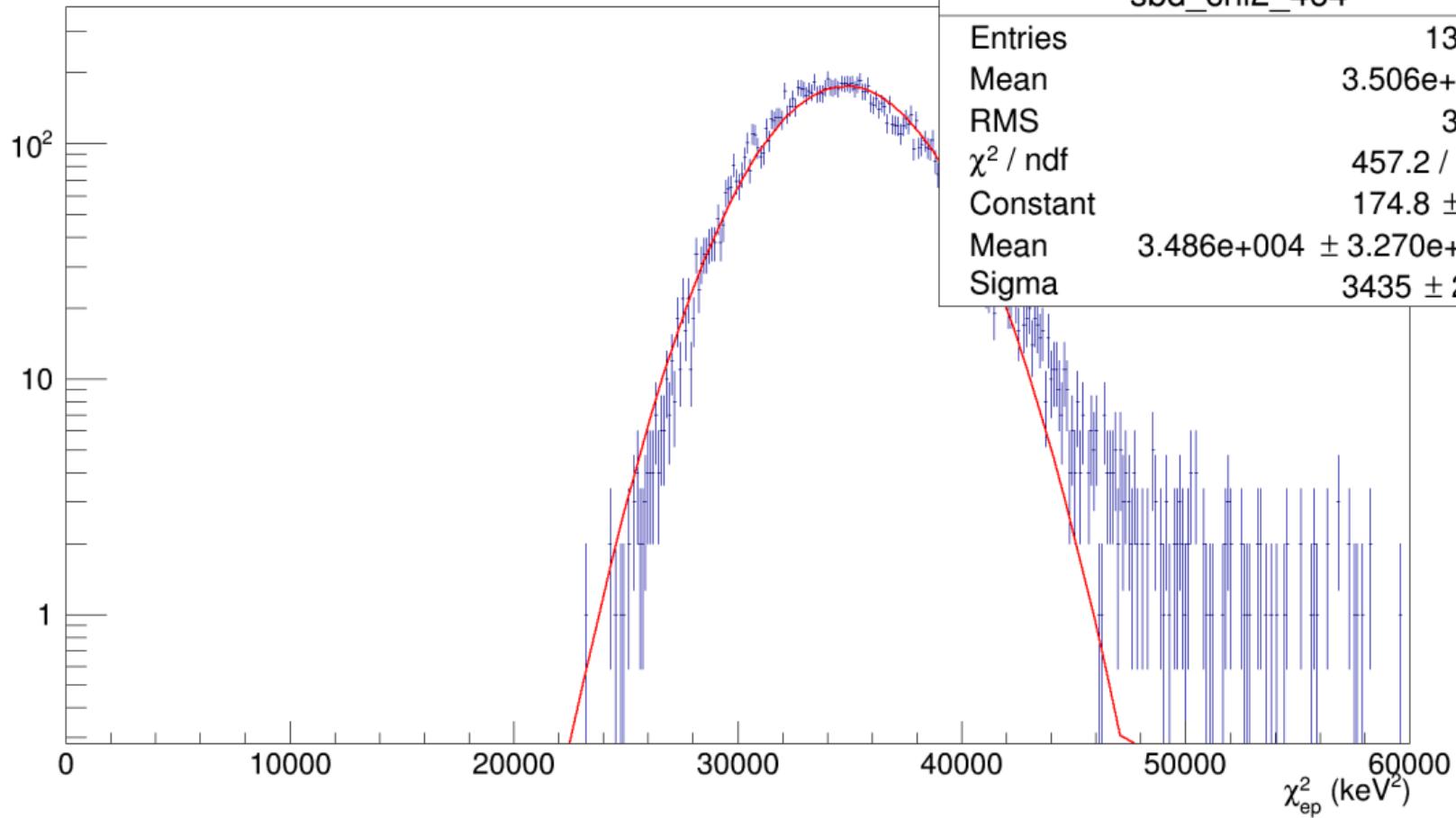
probability



sbd_chi2_463	
Entries	13237
Mean	3.504e+004
RMS	3841
χ^2 / ndf	562.1 / 242
Constant	178 ± 2.0
Mean	3.487e+004 ± 3.321e+001
Sigma	3398 ± 23.2

χ^2_{ep} from 464.00 keV to 465.00 keV

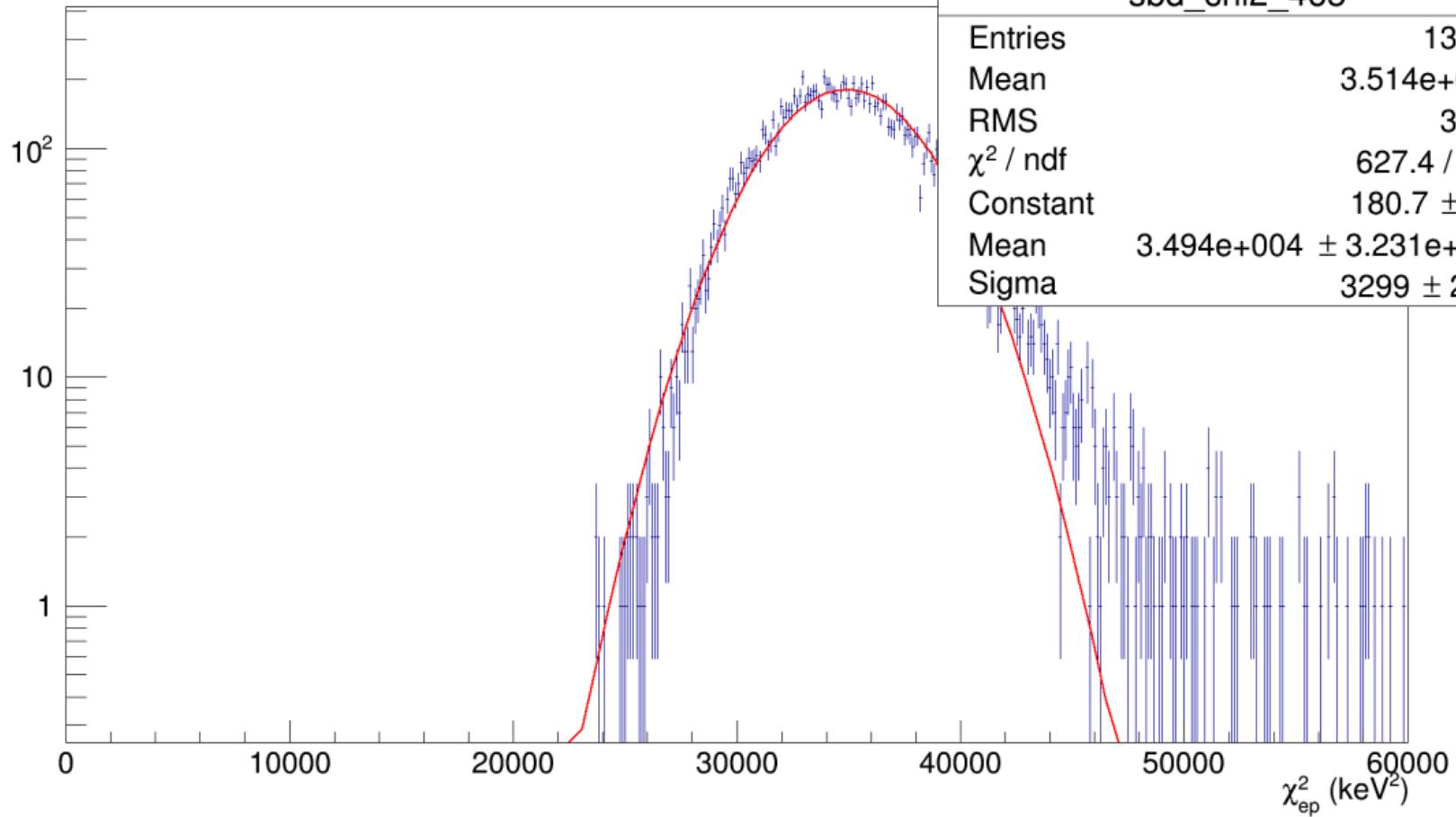
probability



sbd_chi2_464	
Entries	13033
Mean	3.506e+004
RMS	3852
χ^2 / ndf	457.2 / 237
Constant	174.8 ± 2.0
Mean	3.486e+004 ± 3.270e+001
Sigma	3435 ± 24.3

χ^2_{ep} from 465.00 keV to 466.00 keV

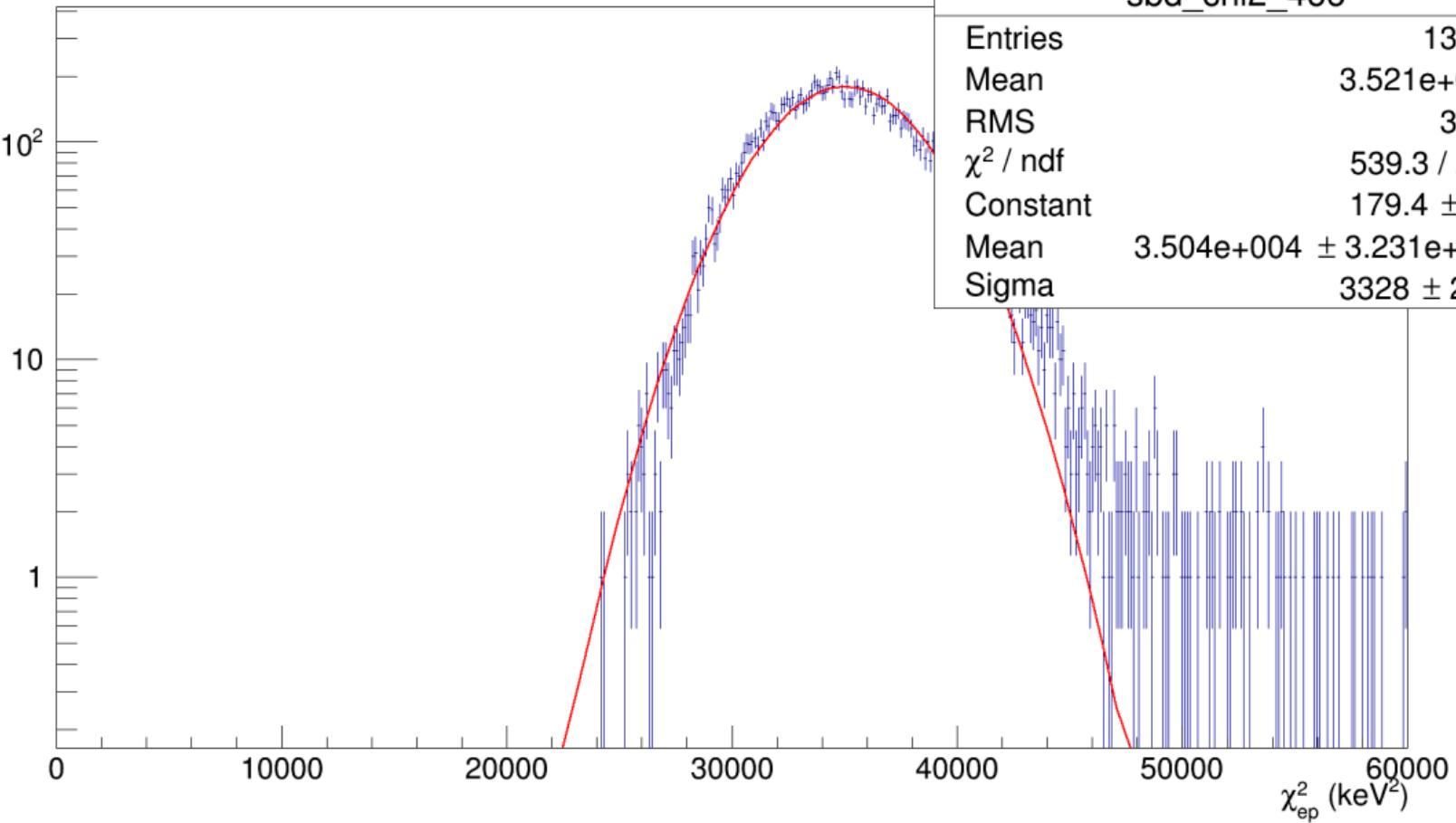
probability



sbd_chi2_465	
Entries	13123
Mean	3.514×10^4
RMS	3790
χ^2 / ndf	627.4 / 241
Constant	180.7 ± 2.0
Mean	$3.494 \times 10^4 \pm 3.231 \times 10^1$
Sigma	3299 ± 22.6

χ^2_{ep} from 466.00 keV to 467.00 keV

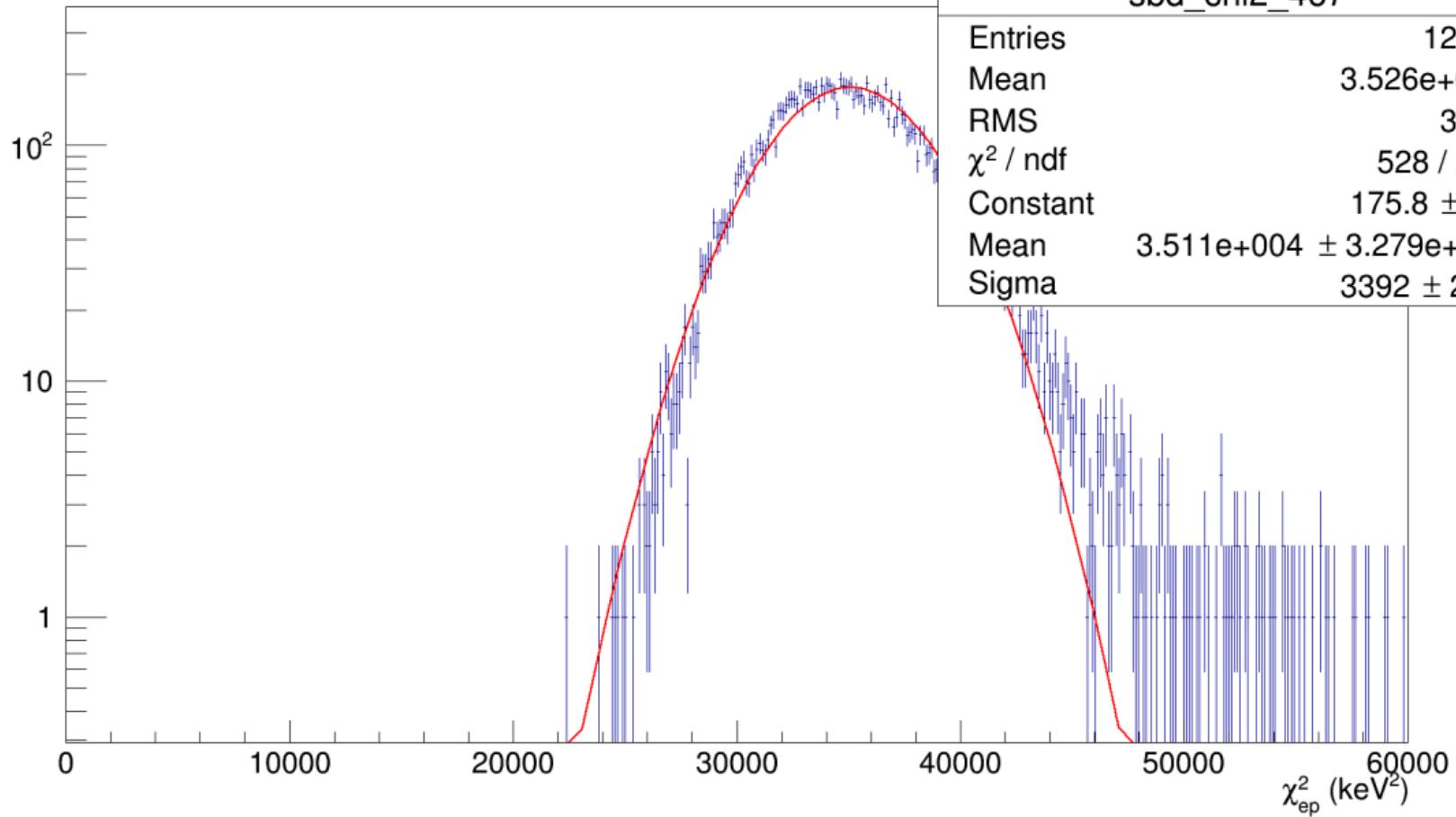
probability



sbd_chi2_466	
Entries	13037
Mean	3.521e+004
RMS	3780
χ^2 / ndf	539.3 / 242
Constant	179.4 ± 2.0
Mean	3.504e+004 ± 3.231e+001
Sigma	3328 ± 23.0

χ^2_{ep} from 467.00 keV to 468.00 keV

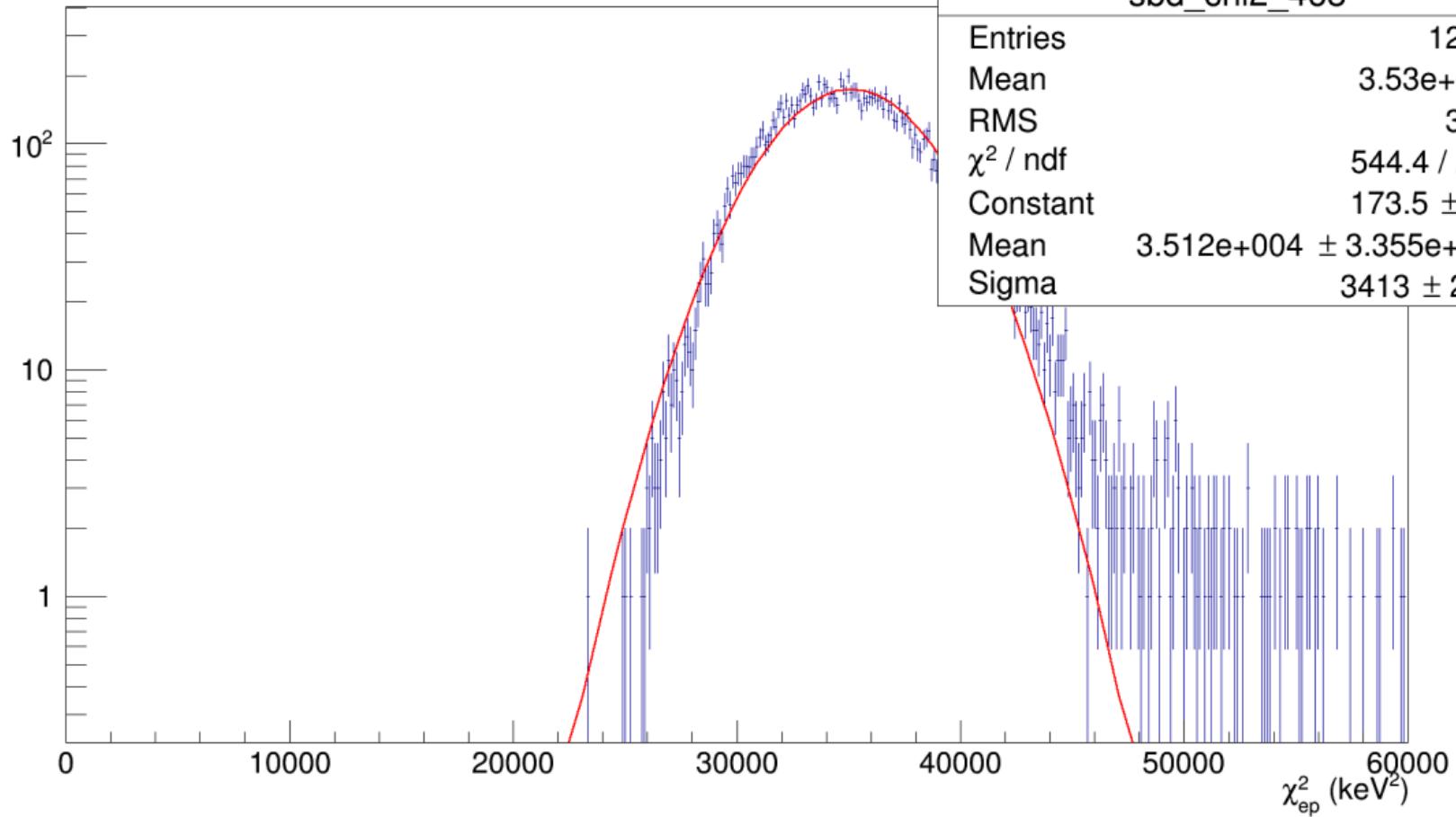
probability



sbd_chi2_467	
Entries	12999
Mean	3.526e+004
RMS	3794
χ^2 / ndf	528 / 246
Constant	175.8 ± 2.0
Mean	3.511e+004 ± 3.279e+001
Sigma	3392 ± 23.8

χ^2_{ep} from 468.00 keV to 469.00 keV

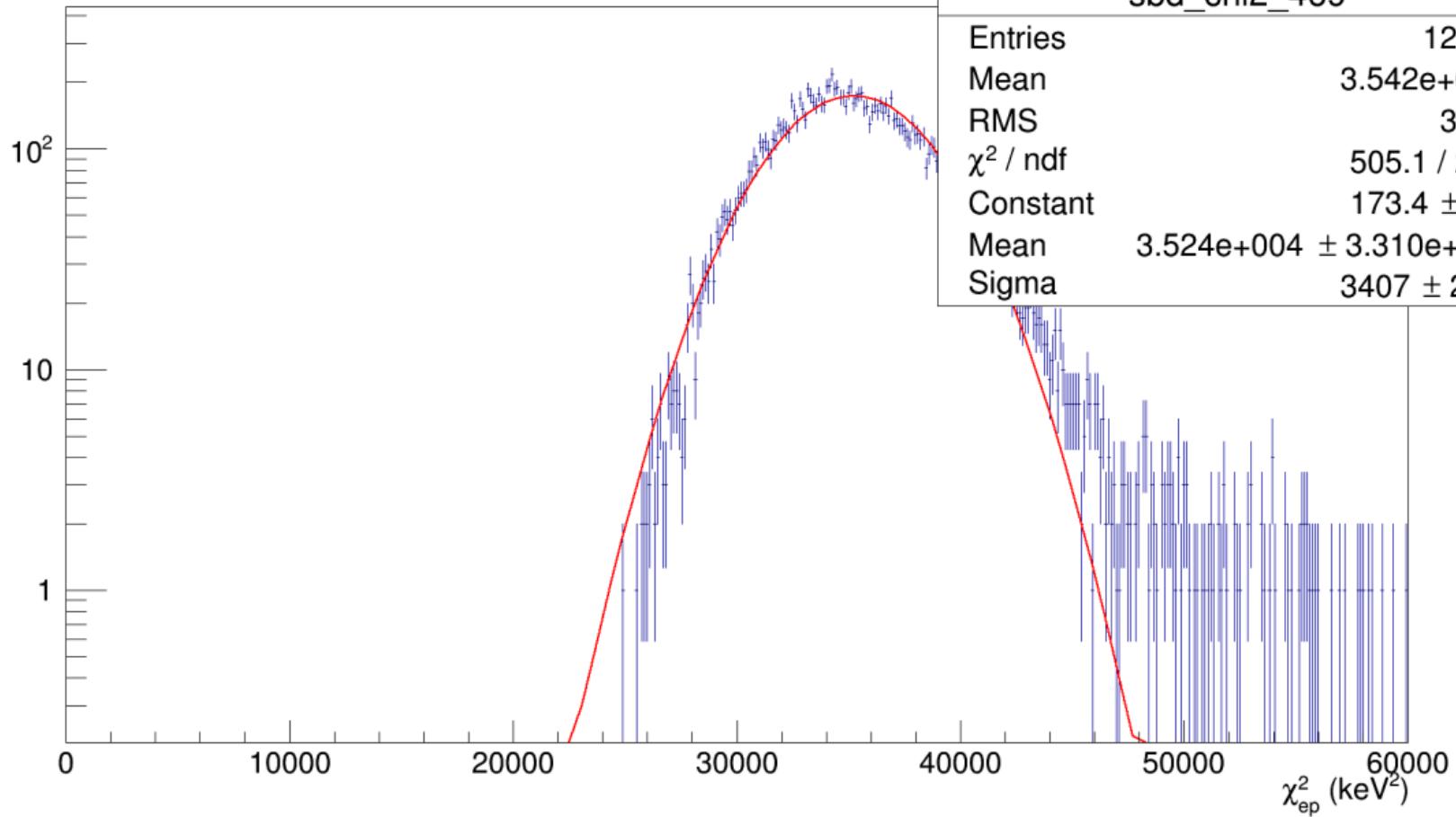
probability



sbd_chi2_468	
Entries	12931
Mean	3.53e+004
RMS	3861
χ^2 / ndf	544.4 / 240
Constant	173.5 ± 2.0
Mean	3.512e+004 ± 3.355e+001
Sigma	3413 ± 23.9

χ^2_{ep} from 469.00 keV to 470.00 keV

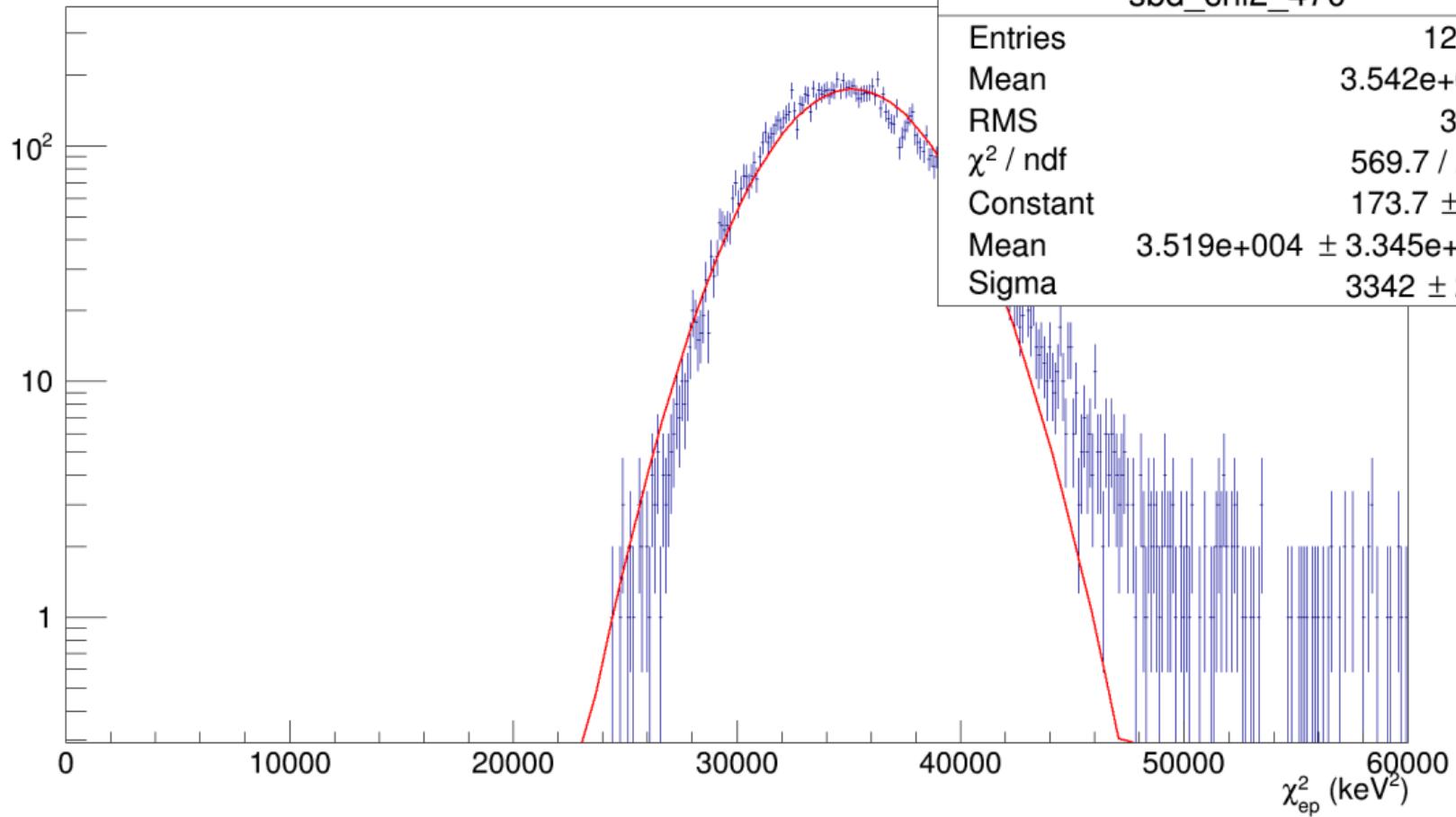
probability



sbd_chi2_469	
Entries	12873
Mean	3.542e+004
RMS	3838
χ^2 / ndf	505.1 / 244
Constant	173.4 ± 2.0
Mean	3.524e+004 ± 3.310e+001
Sigma	3407 ± 24.2

χ^2_{ep} from 470.00 keV to 471.00 keV

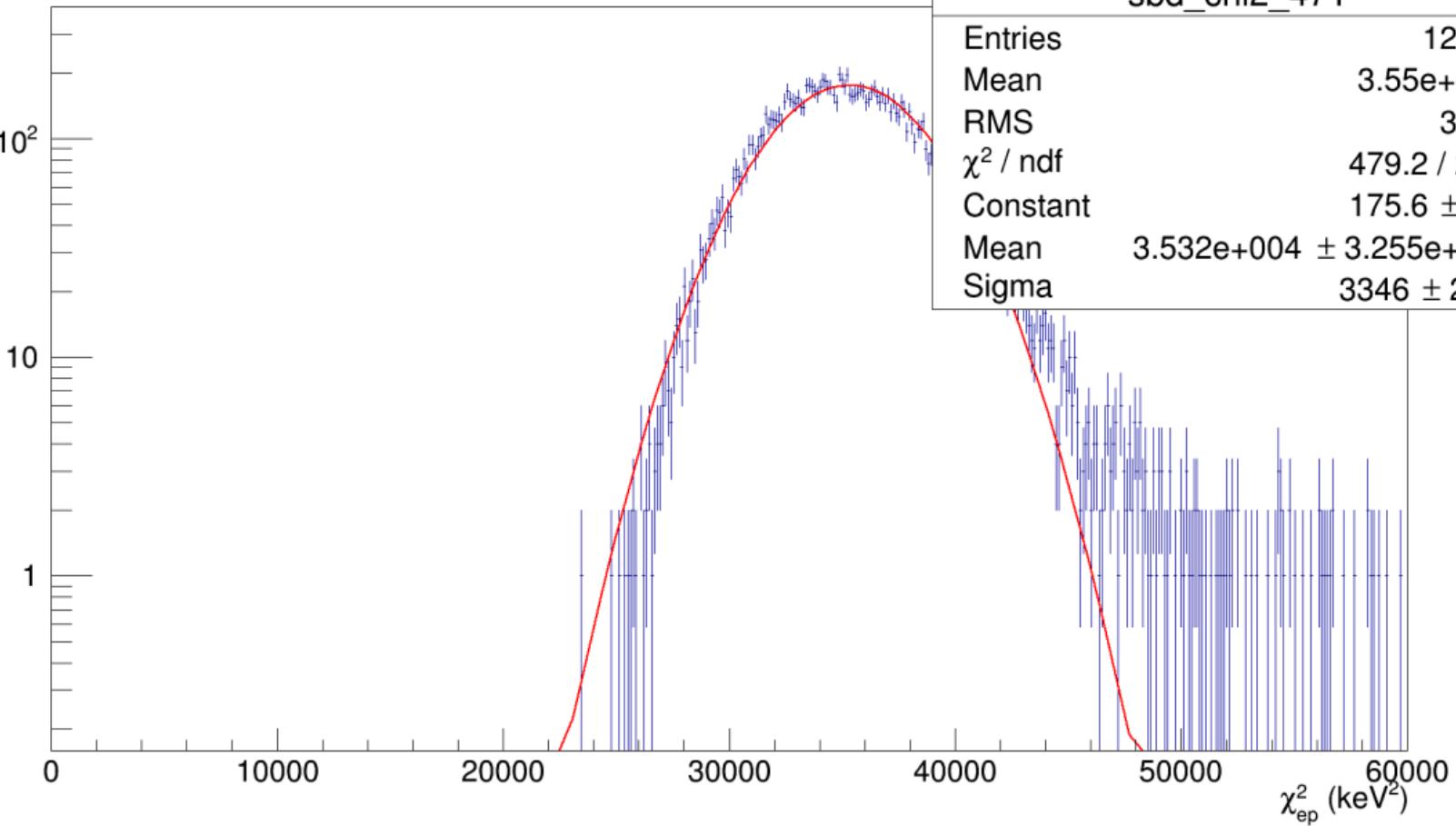
probability



sbd_chi2_470	
Entries	12717
Mean	3.542e+004
RMS	3880
χ^2 / ndf	569.7 / 248
Constant	173.7 \pm 2.0
Mean	3.519e+004 \pm 3.345e+001
Sigma	3342 \pm 24.1

χ^2_{ep} from 471.00 keV to 472.00 keV

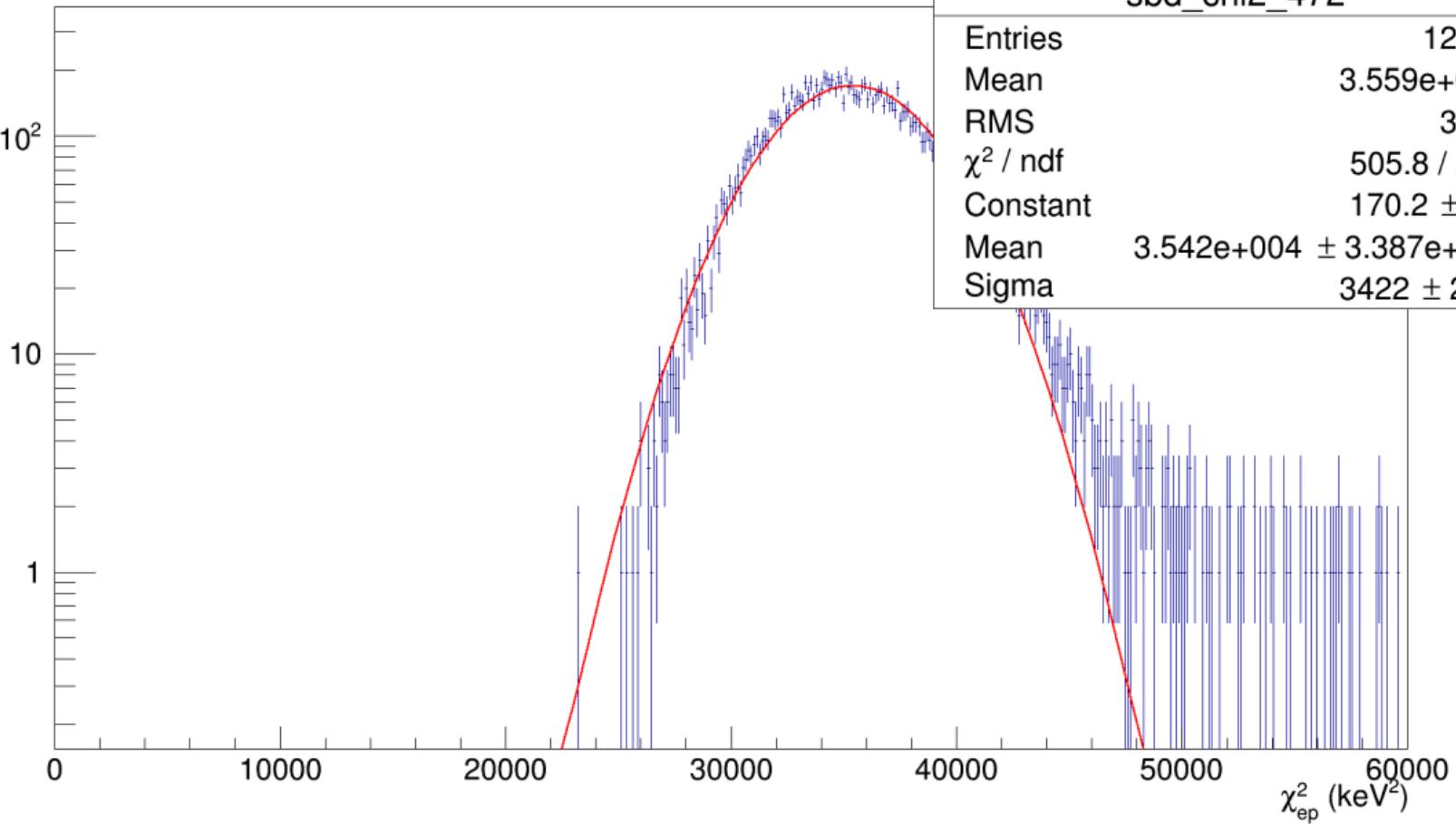
probability



sbd_chi2_471	
Entries	12785
Mean	3.55e+004
RMS	3785
χ^2 / ndf	479.2 / 247
Constant	175.6 ± 2.0
Mean	3.532e+004 ± 3.255e+001
Sigma	3346 ± 22.9

χ^2_{ep} from 472.00 keV to 473.00 keV

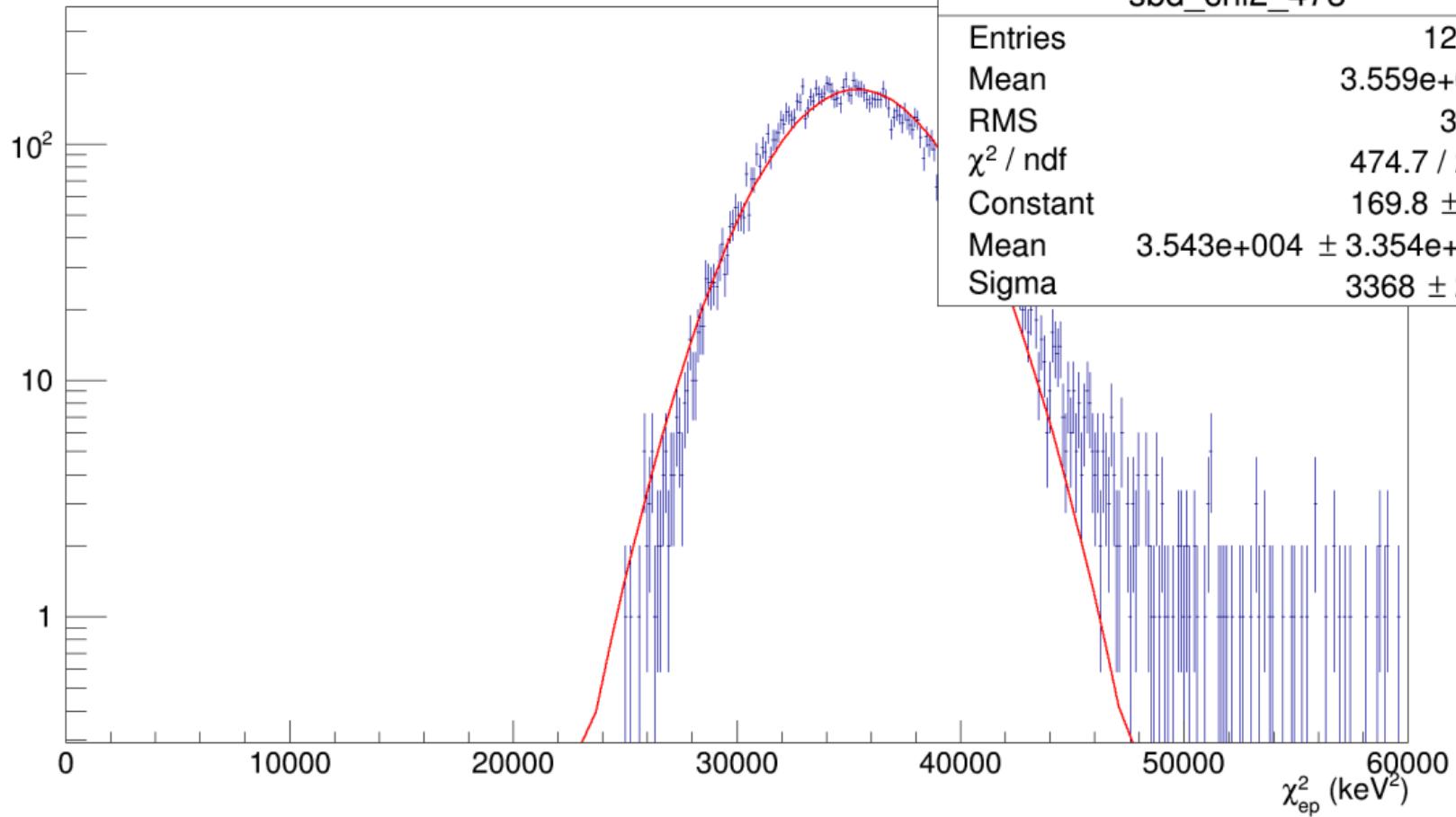
probability



sbd_chi2_472	
Entries	12698
Mean	3.559e+004
RMS	3812
χ^2 / ndf	505.8 / 239
Constant	170.2 ± 2.0
Mean	3.542e+004 ± 3.387e+001
Sigma	3422 ± 24.8

χ^2_{ep} from 473.00 keV to 474.00 keV

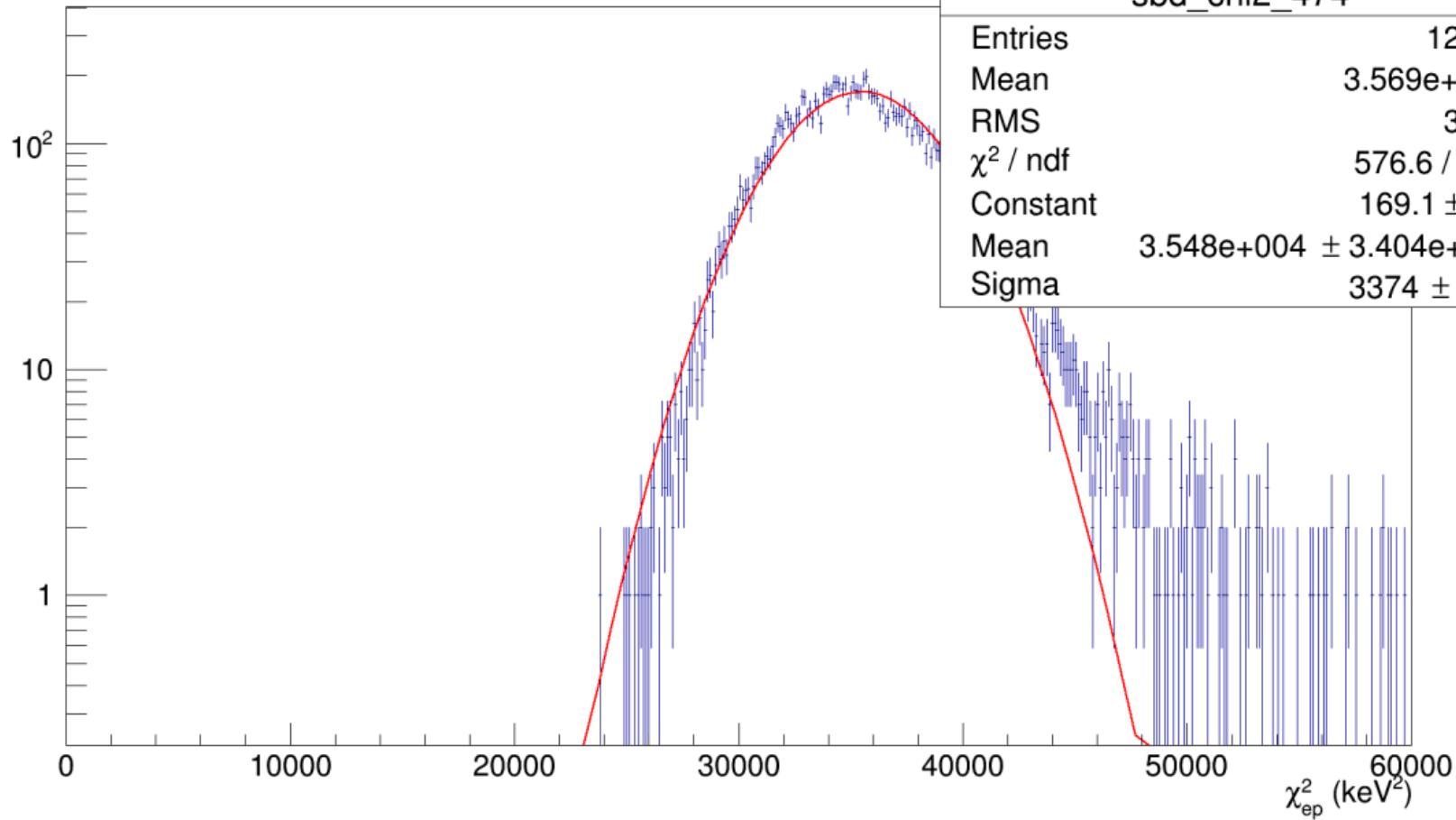
probability



sbd_chi2_473	
Entries	12457
Mean	3.559e+004
RMS	3765
χ^2 / ndf	474.7 / 234
Constant	169.8 ± 2.0
Mean	3.543e+004 ± 3.354e+001
Sigma	3368 ± 24.1

χ^2_{ep} from 474.00 keV to 475.00 keV

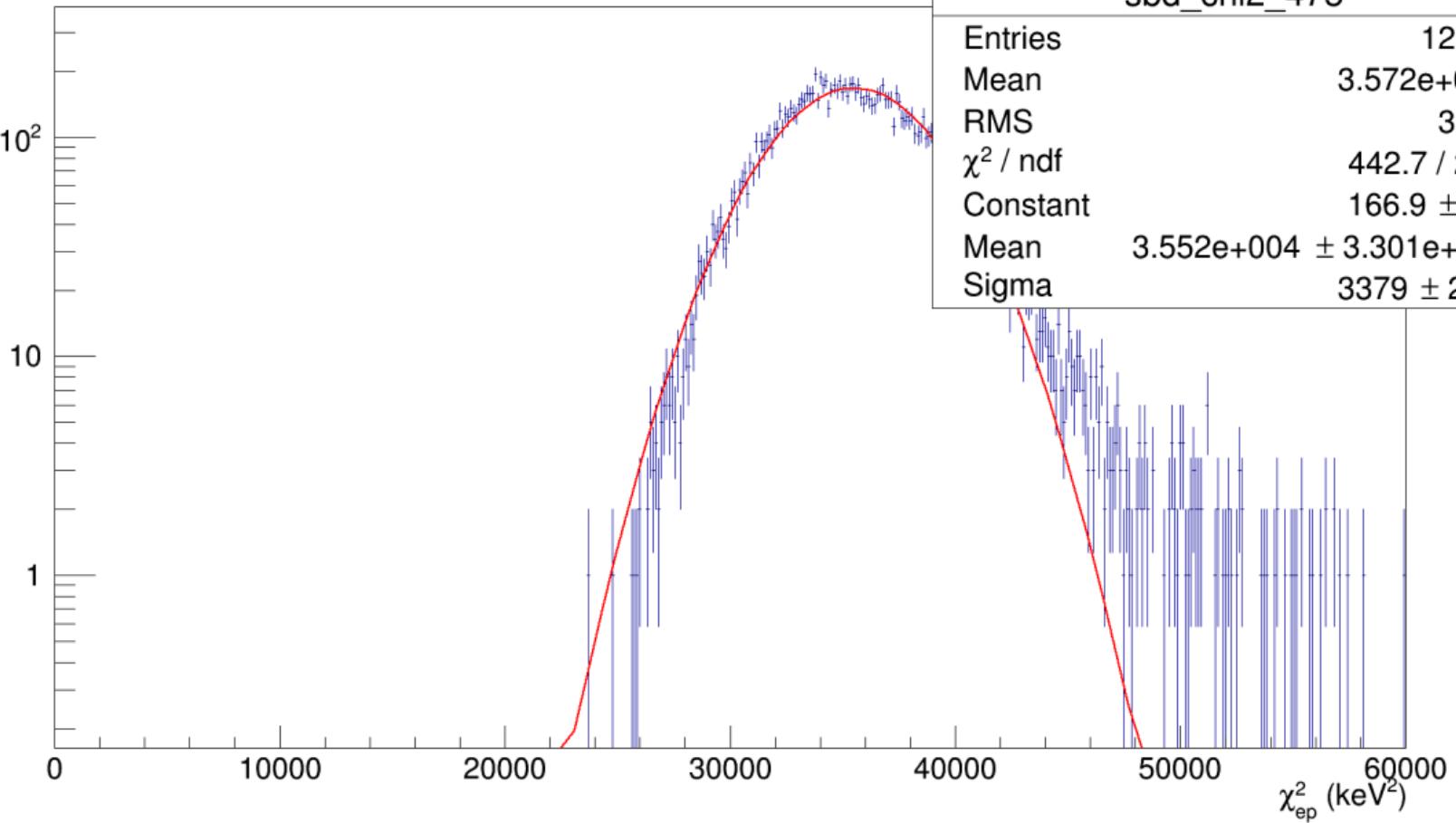
probability



sbd_chi2_474	
Entries	12526
Mean	3.569e+004
RMS	3853
χ^2 / ndf	576.6 / 243
Constant	169.1 ± 2.0
Mean	3.548e+004 ± 3.404e+001
Sigma	3374 ± 24.1

χ^2_{ep} from 475.00 keV to 476.00 keV

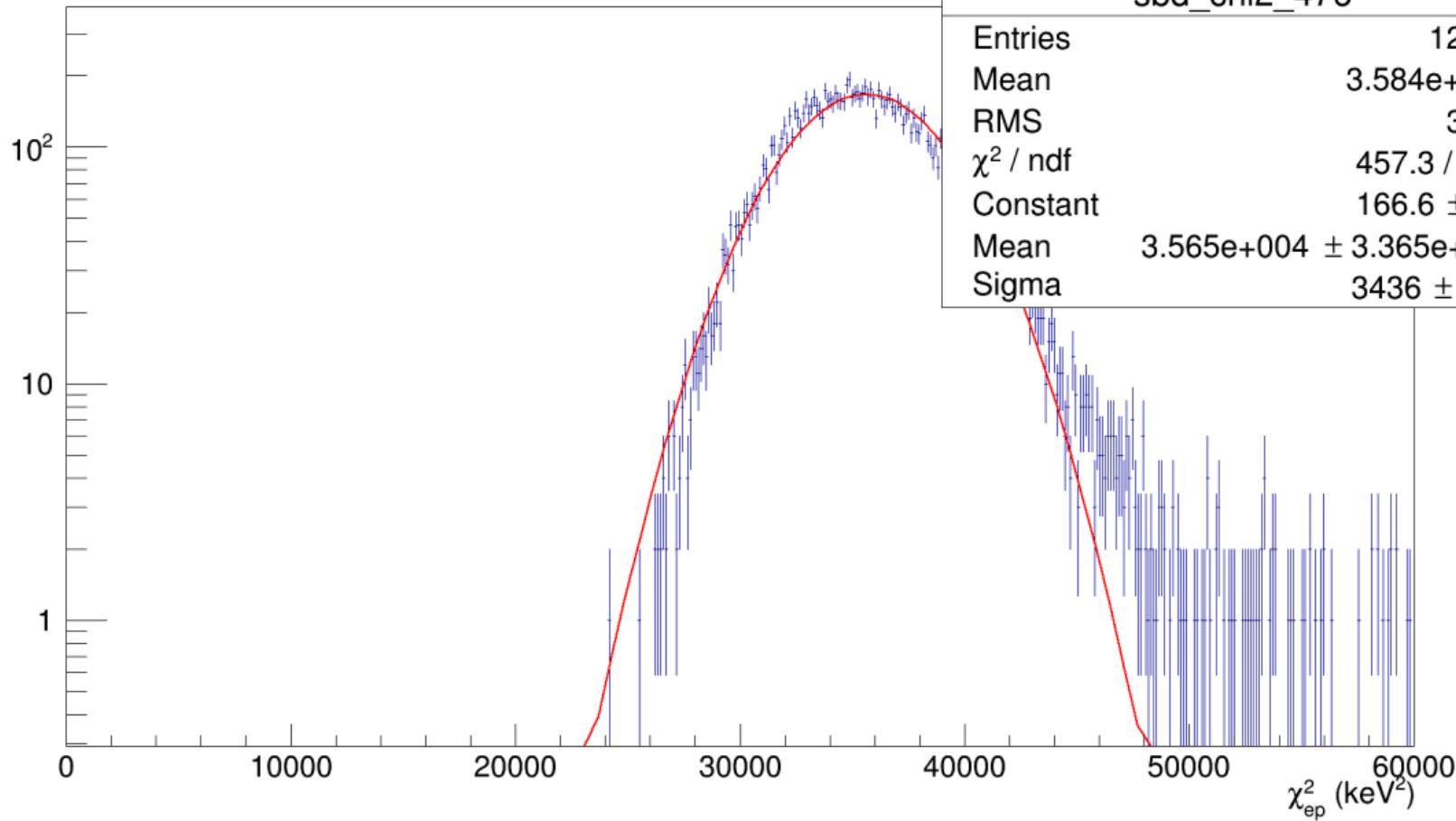
probability



sbd_chi2_475	
Entries	12237
Mean	3.572e+004
RMS	3776
χ^2 / ndf	442.7 / 232
Constant	166.9 ± 2.0
Mean	3.552e+004 ± 3.301e+001
Sigma	3379 ± 24.7

χ^2_{ep} from 476.00 keV to 477.00 keV

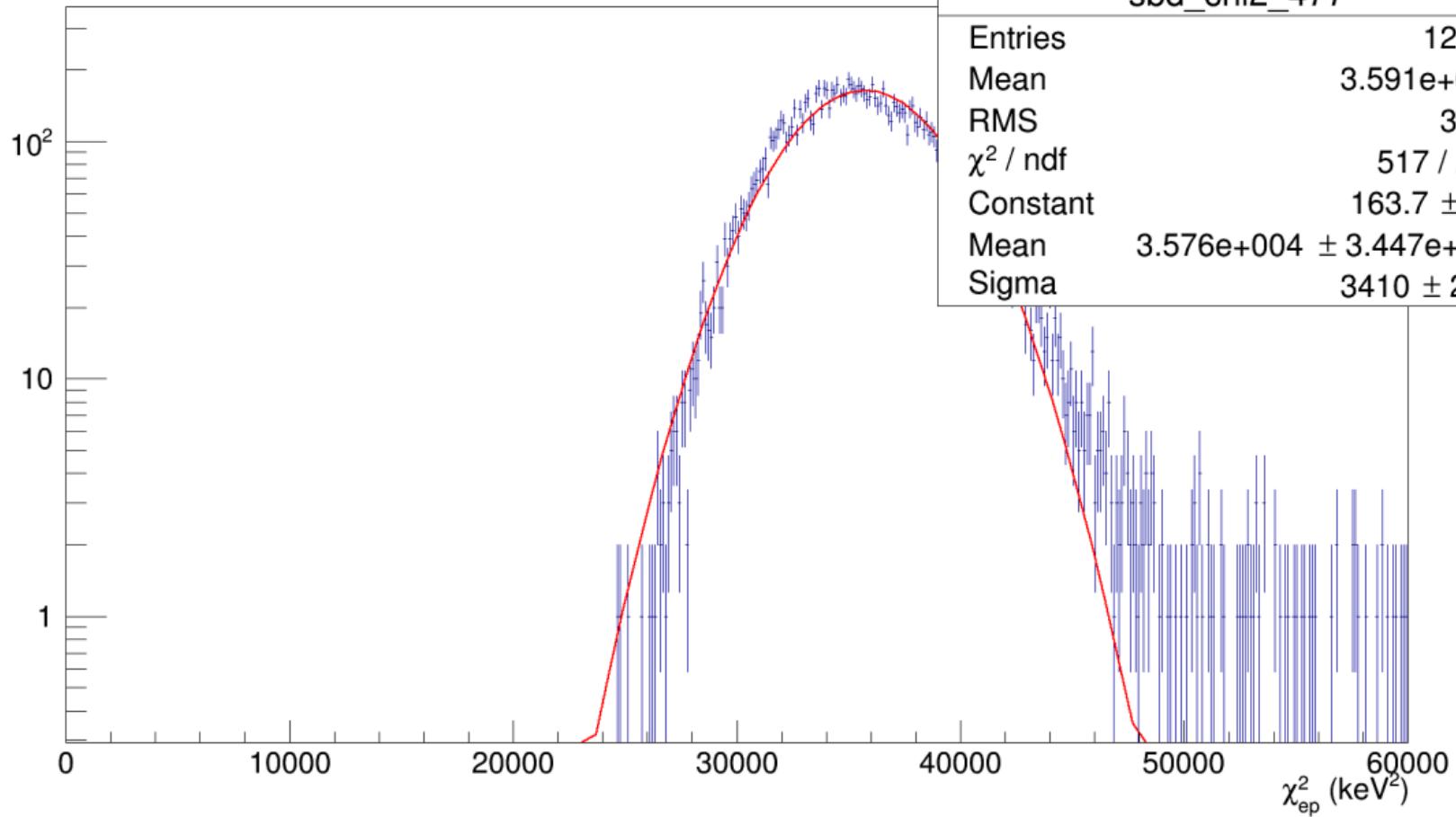
probability



sbd_chi2_476	
Entries	12418
Mean	3.584e+004
RMS	3819
χ^2 / ndf	457.3 / 237
Constant	166.6 ± 1.9
Mean	3.565e+004 ± 3.365e+001
Sigma	3436 ± 25.1

χ^2_{ep} from 477.00 keV to 478.00 keV

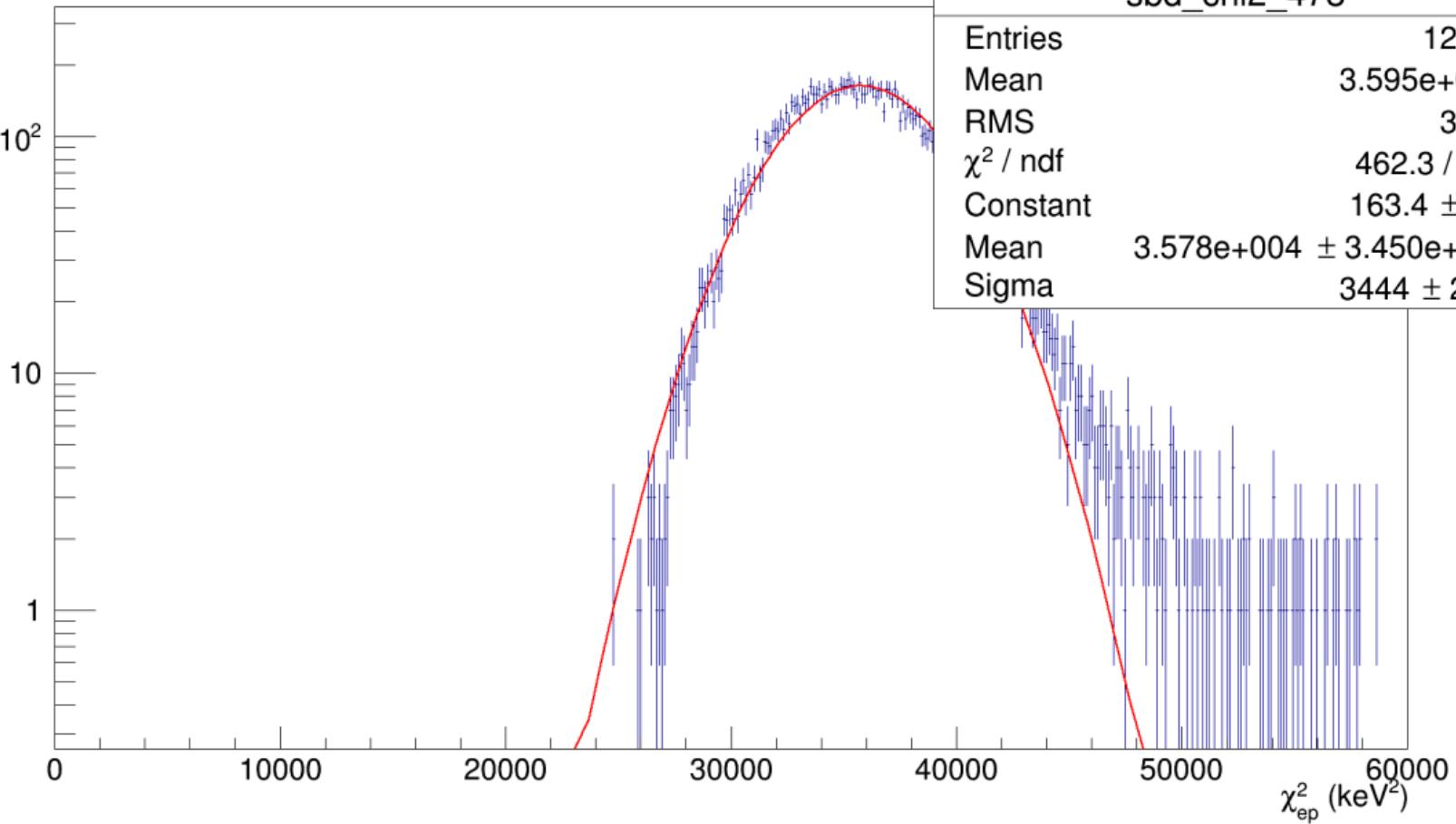
probability



sbd_chi2_477	
Entries	12220
Mean	3.591e+004
RMS	3847
χ^2 / ndf	517 / 242
Constant	163.7 ± 1.9
Mean	3.576e+004 ± 3.447e+001
Sigma	3410 ± 24.2

χ^2_{ep} from 478.00 keV to 479.00 keV

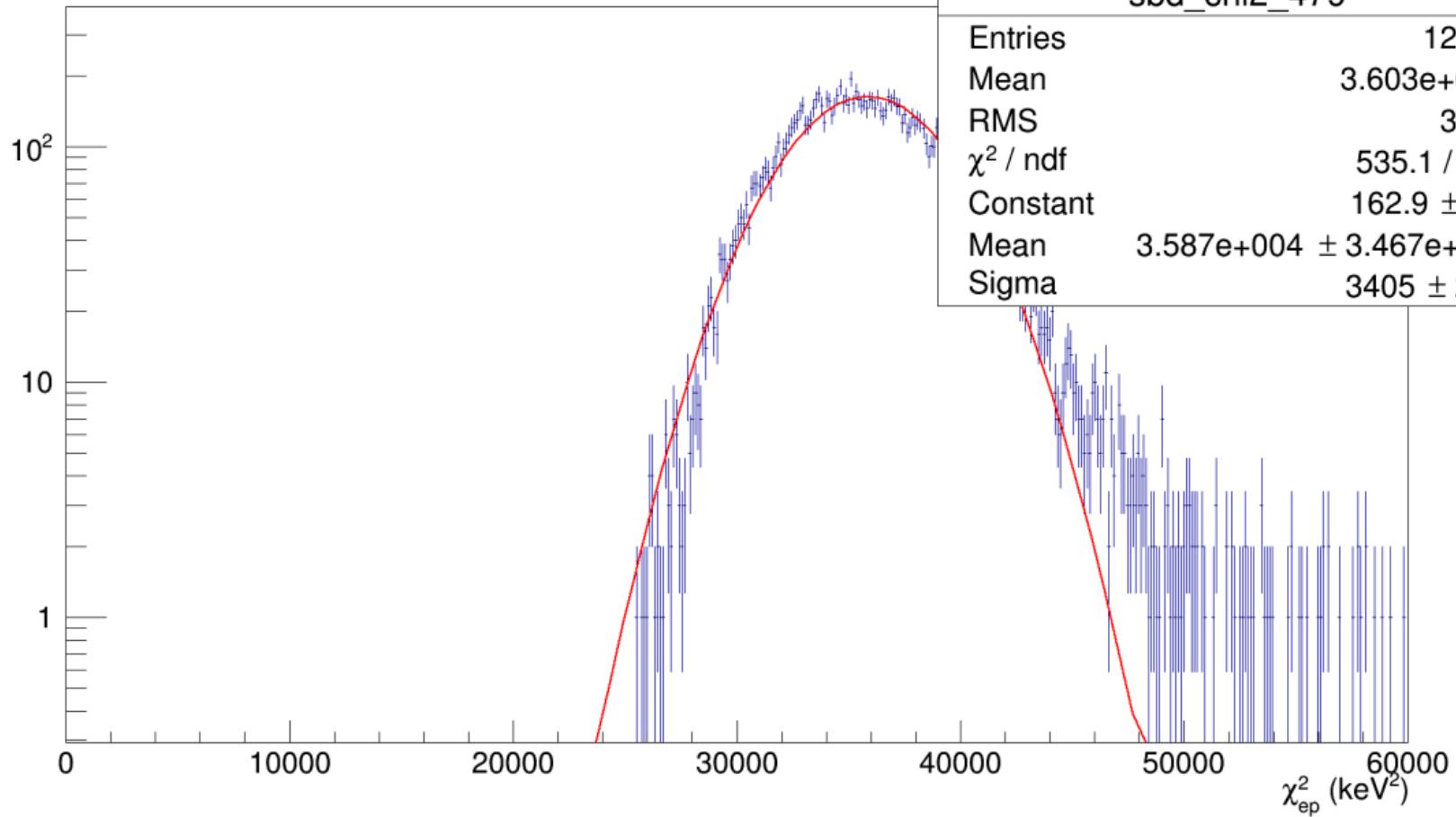
probability



sbd_chi2_478	
Entries	12252
Mean	3.595e+004
RMS	3887
χ^2 / ndf	462.3 / 241
Constant	163.4 ± 1.9
Mean	3.578e+004 ± 3.450e+001
Sigma	3444 ± 24.6

χ^2_{ep} from 479.00 keV to 480.00 keV

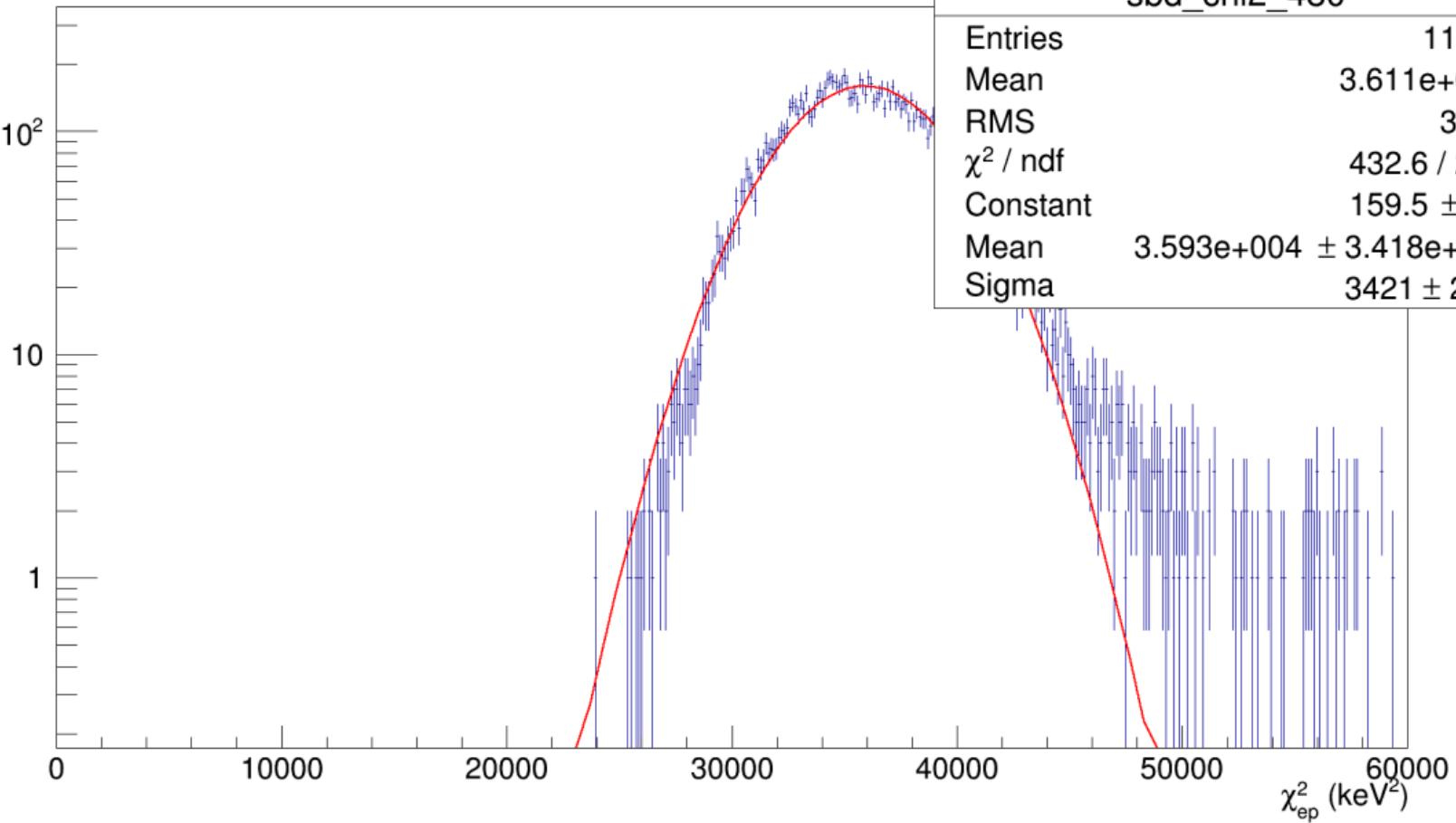
probability



sbd_chi2_479	
Entries	12160
Mean	3.603e+004
RMS	3862
χ^2 / ndf	535.1 / 241
Constant	162.9 ± 1.9
Mean	3.587e+004 ± 3.467e+001
Sigma	3405 ± 24.1

χ^2_{ep} from 480.00 keV to 481.00 keV

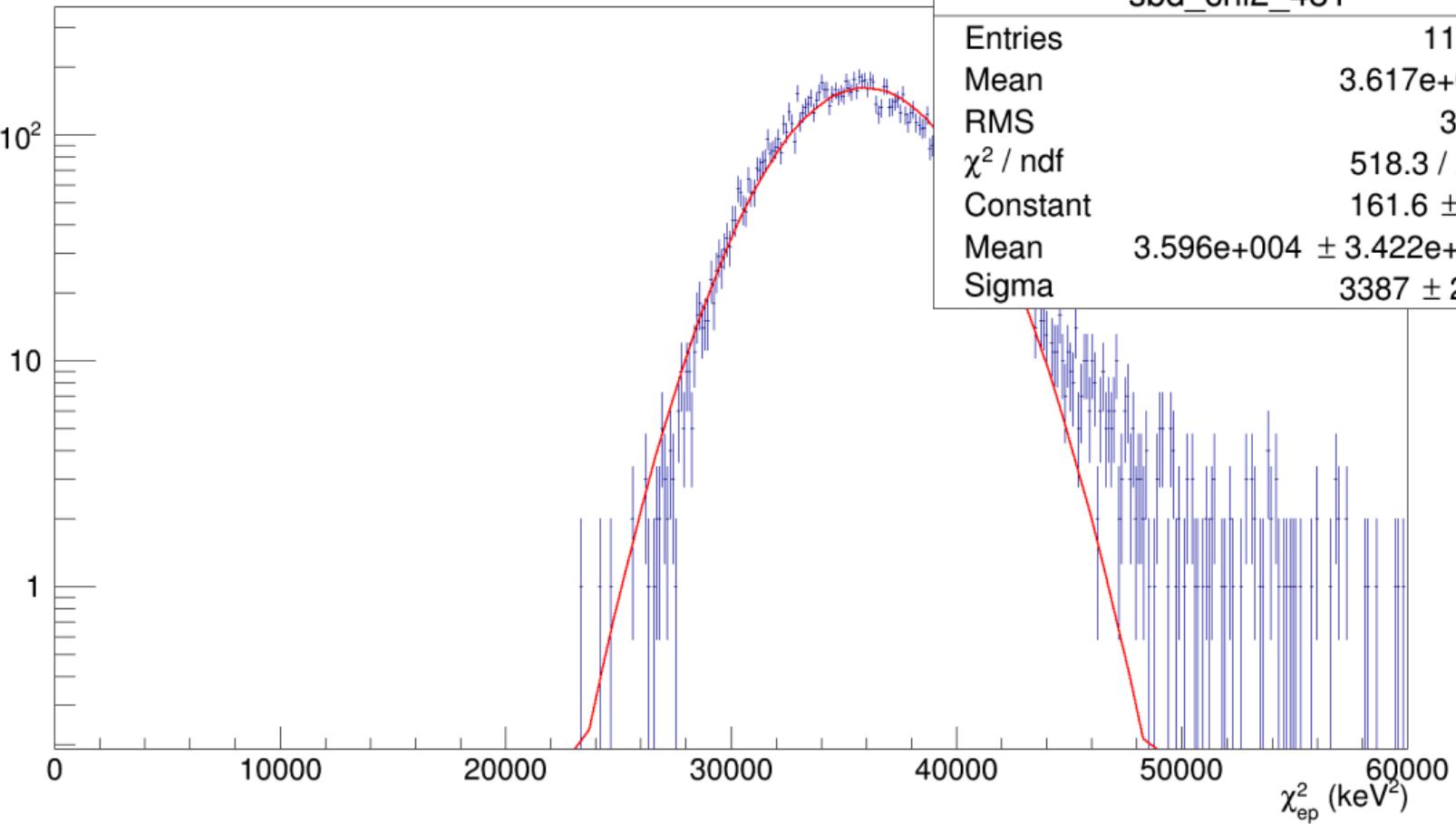
probability



sbd_chi2_480	
Entries	11859
Mean	3.611e+004
RMS	3853
χ^2 / ndf	432.6 / 237
Constant	159.5 ± 1.9
Mean	3.593e+004 ± 3.418e+001
Sigma	3421 ± 24.6

χ^2_{ep} from 481.00 keV to 482.00 keV

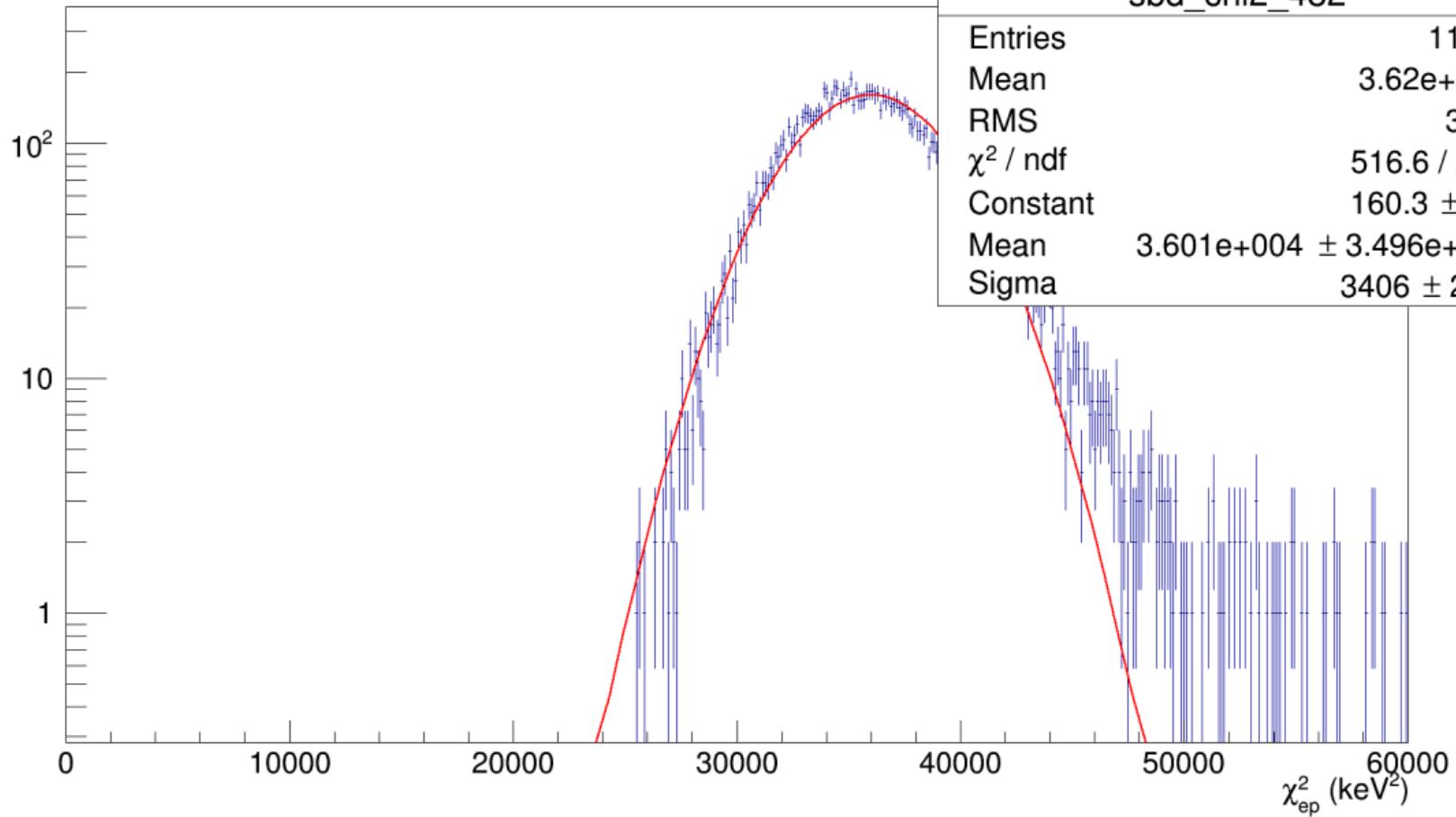
probability



sbd_chi2_481	
Entries	11984
Mean	3.617e+004
RMS	3870
χ^2 / ndf	518.3 / 238
Constant	161.6 ± 1.9
Mean	3.596e+004 ± 3.422e+001
Sigma	3387 ± 24.7

χ^2_{ep} from 482.00 keV to 483.00 keV

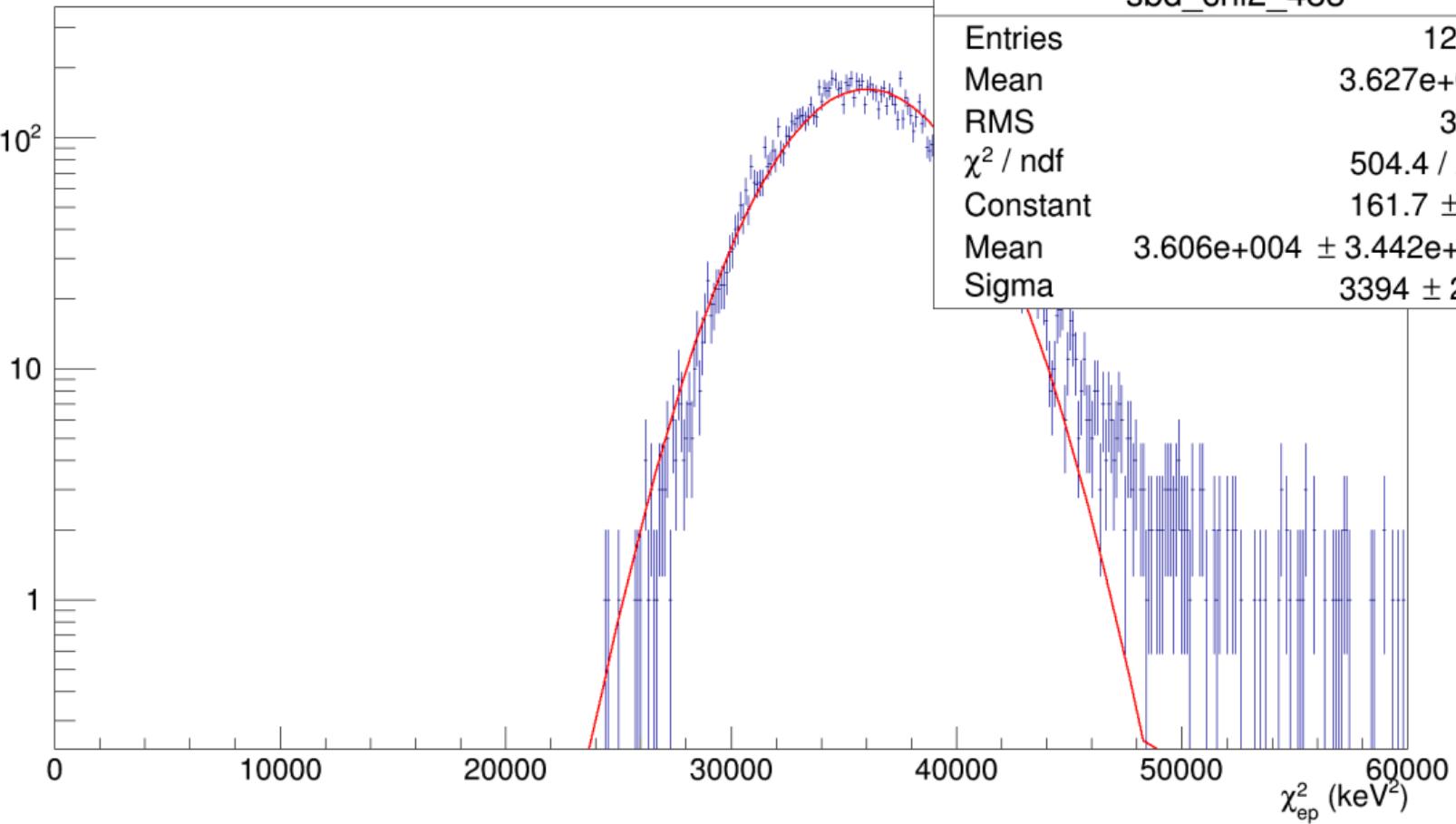
probability



sbd_chi2_482	
Entries	11941
Mean	3.62e+004
RMS	3821
χ^2 / ndf	516.6 / 230
Constant	160.3 ± 1.9
Mean	3.601e+004 ± 3.496e+001
Sigma	3406 ± 25.9

χ^2_{ep} from 483.00 keV to 484.00 keV

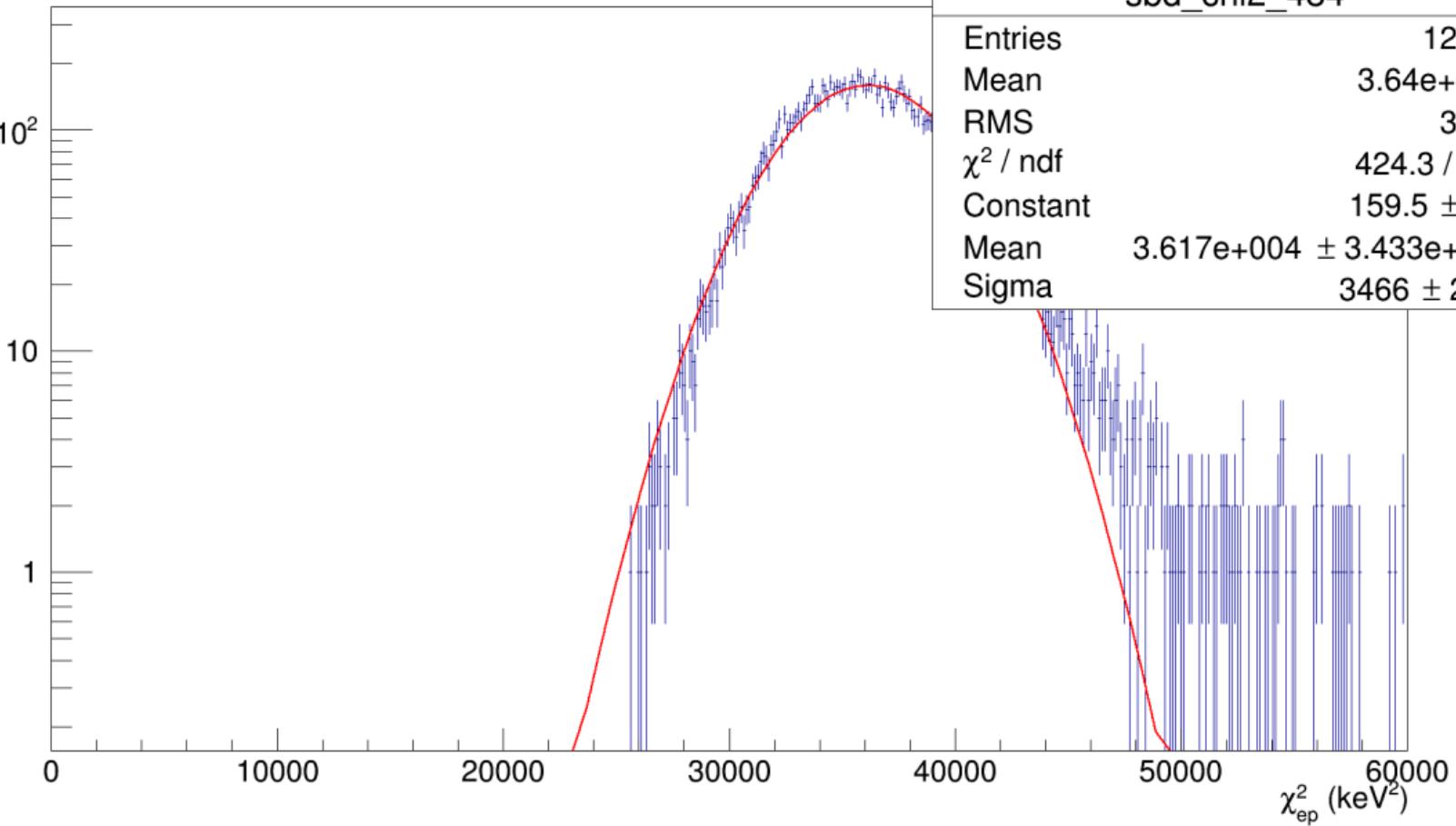
probability



sbd_chi2_483	
Entries	12003
Mean	3.627e+004
RMS	3849
χ^2 / ndf	504.4 / 240
Constant	161.7 ± 1.9
Mean	3.606e+004 ± 3.442e+001
Sigma	3394 ± 24.9

χ^2_{ep} from 484.00 keV to 485.00 keV

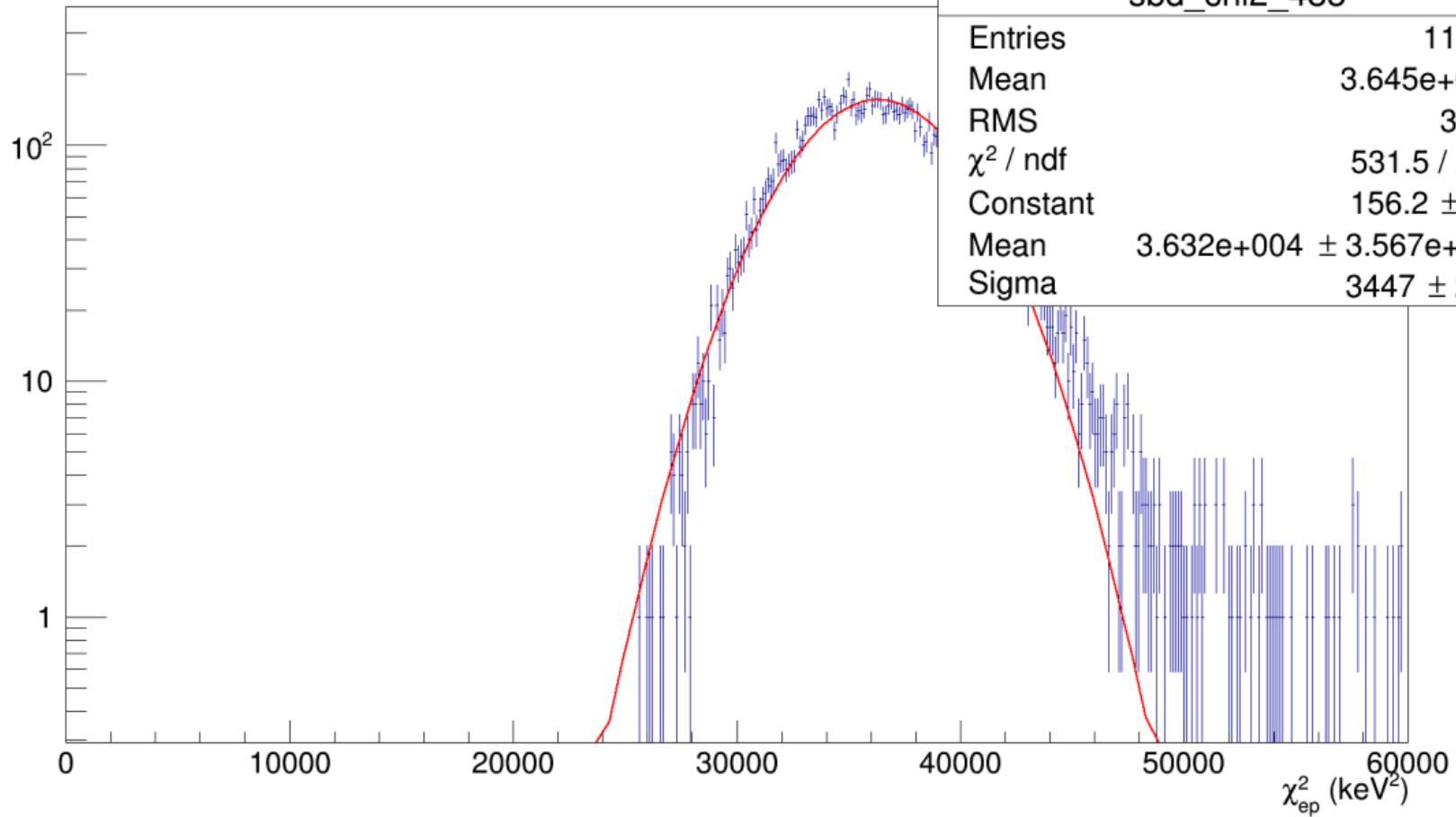
probability



sbd_chi2_484	
Entries	12000
Mean	3.64e+004
RMS	3868
χ^2 / ndf	424.3 / 241
Constant	159.5 ± 1.9
Mean	3.617e+004 ± 3.433e+001
Sigma	3466 ± 25.9

χ^2_{ep} from 485.00 keV to 486.00 keV

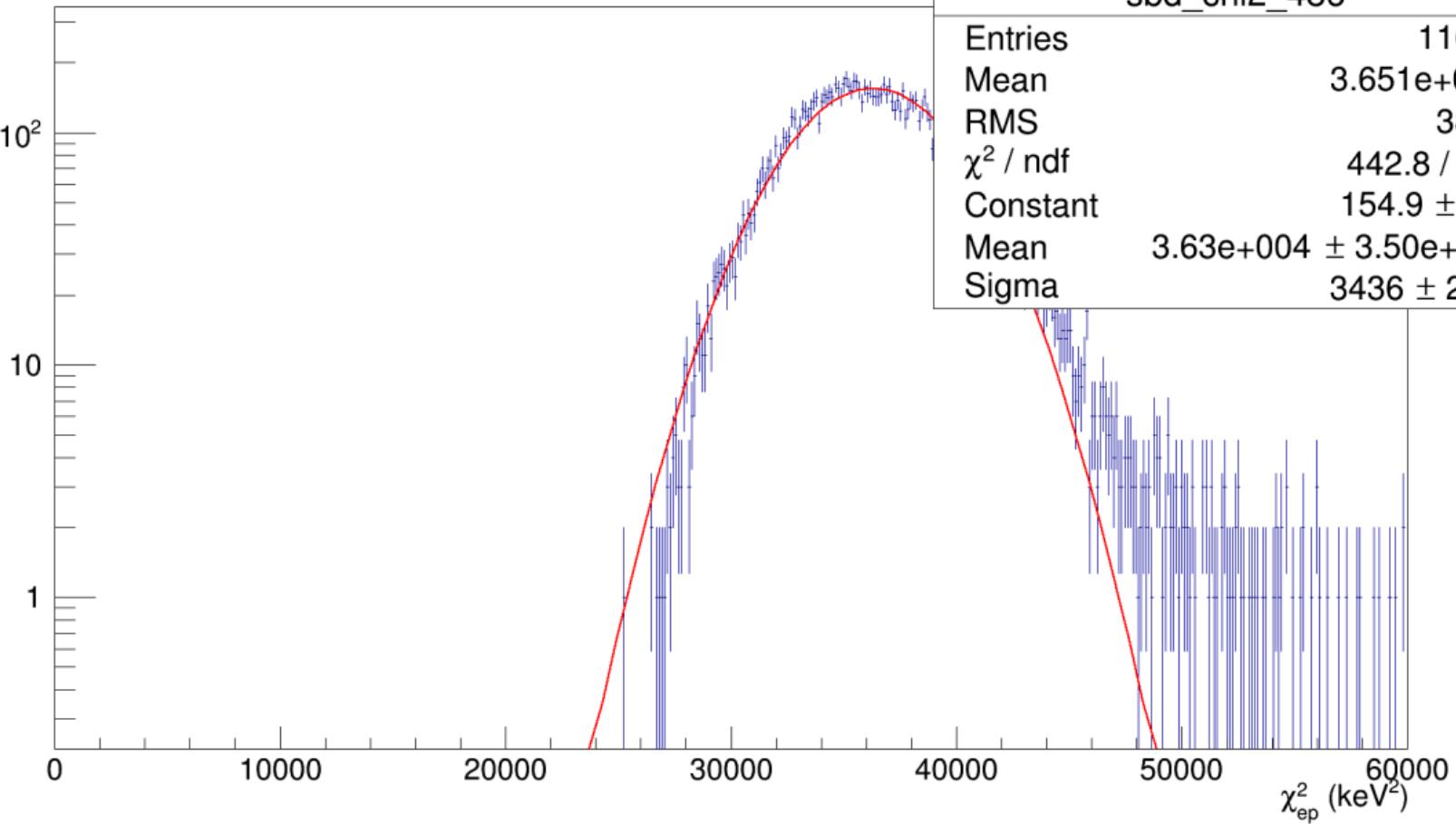
probability



sbd_chi2_485	
Entries	11802
Mean	3.645e+004
RMS	3850
χ^2 / ndf	531.5 / 232
Constant	156.2 ± 1.9
Mean	3.632e+004 ± 3.567e+001
Sigma	3447 ± 25.1

χ^2_{ep} from 486.00 keV to 487.00 keV

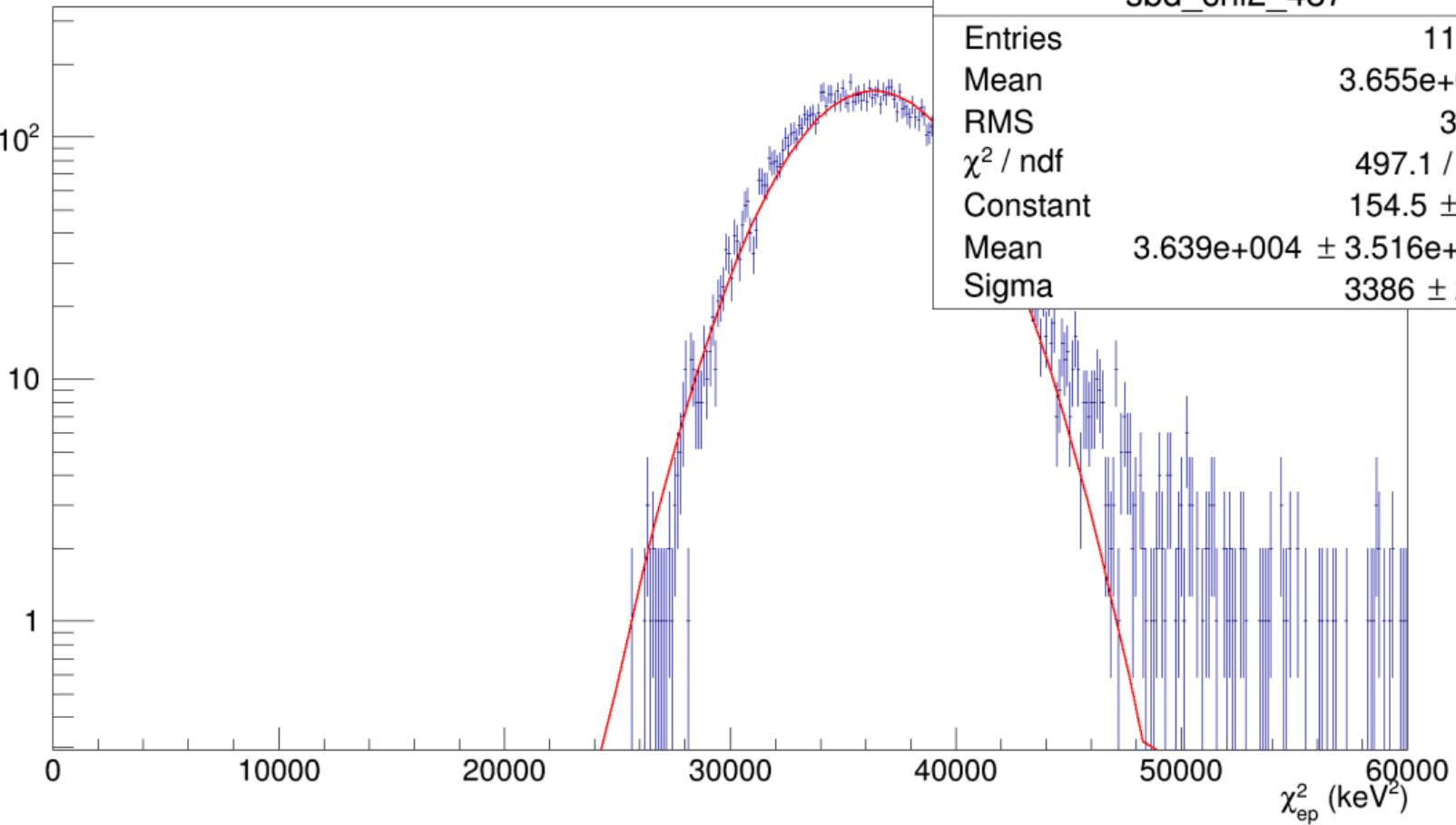
probability



sbd_chi2_486	
Entries	11604
Mean	3.651e+004
RMS	3864
χ^2 / ndf	442.8 / 241
Constant	154.9 ± 1.9
Mean	3.63e+004 ± 3.50e+001
Sigma	3436 ± 25.7

χ^2_{ep} from 487.00 keV to 488.00 keV

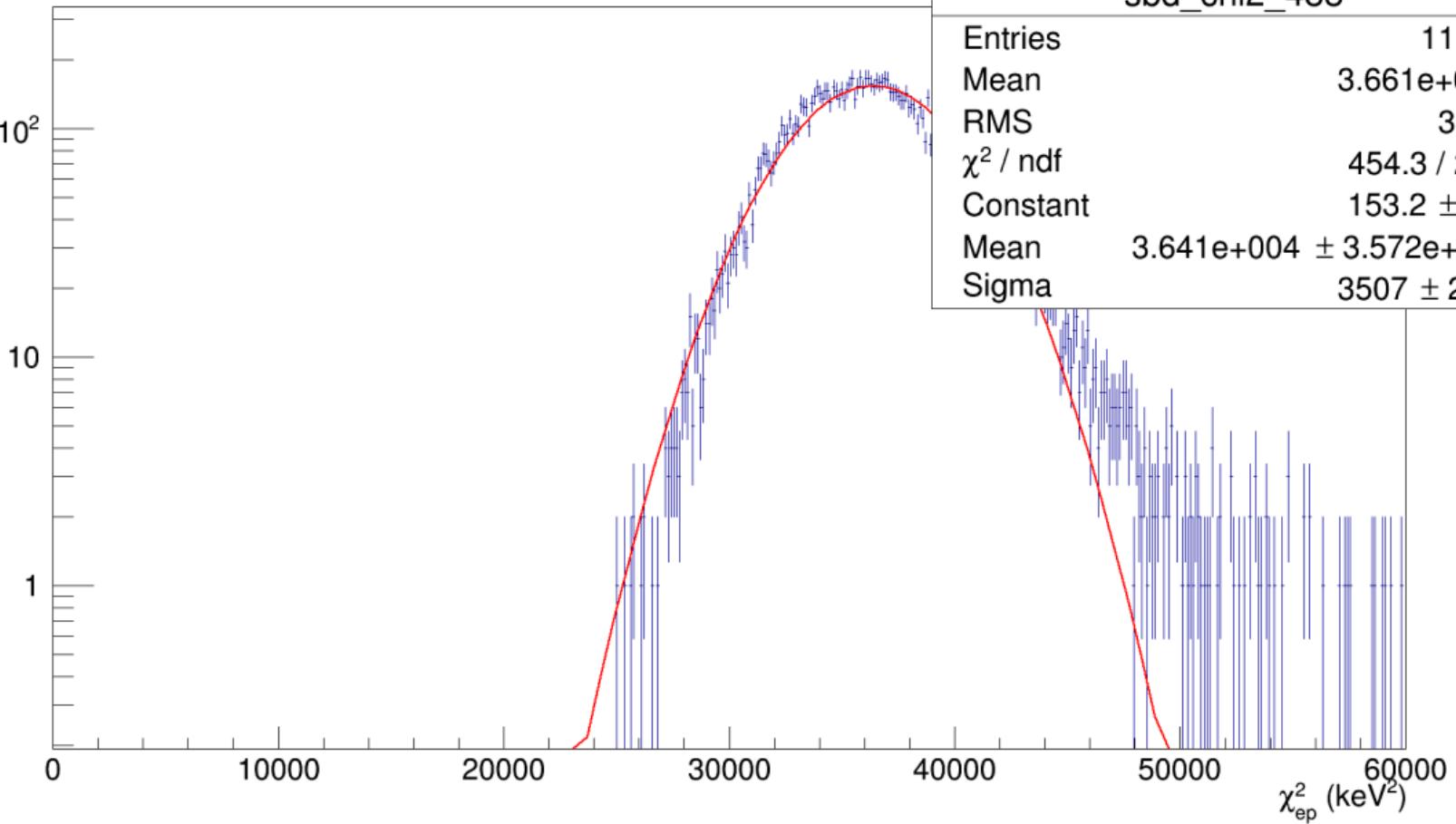
probability



sbd_chi2_487	
Entries	11457
Mean	3.655e+004
RMS	3882
χ^2 / ndf	497.1 / 241
Constant	154.5 ± 1.8
Mean	3.639e+004 ± 3.516e+001
Sigma	3386 ± 24.1

χ^2_{ep} from 488.00 keV to 489.00 keV

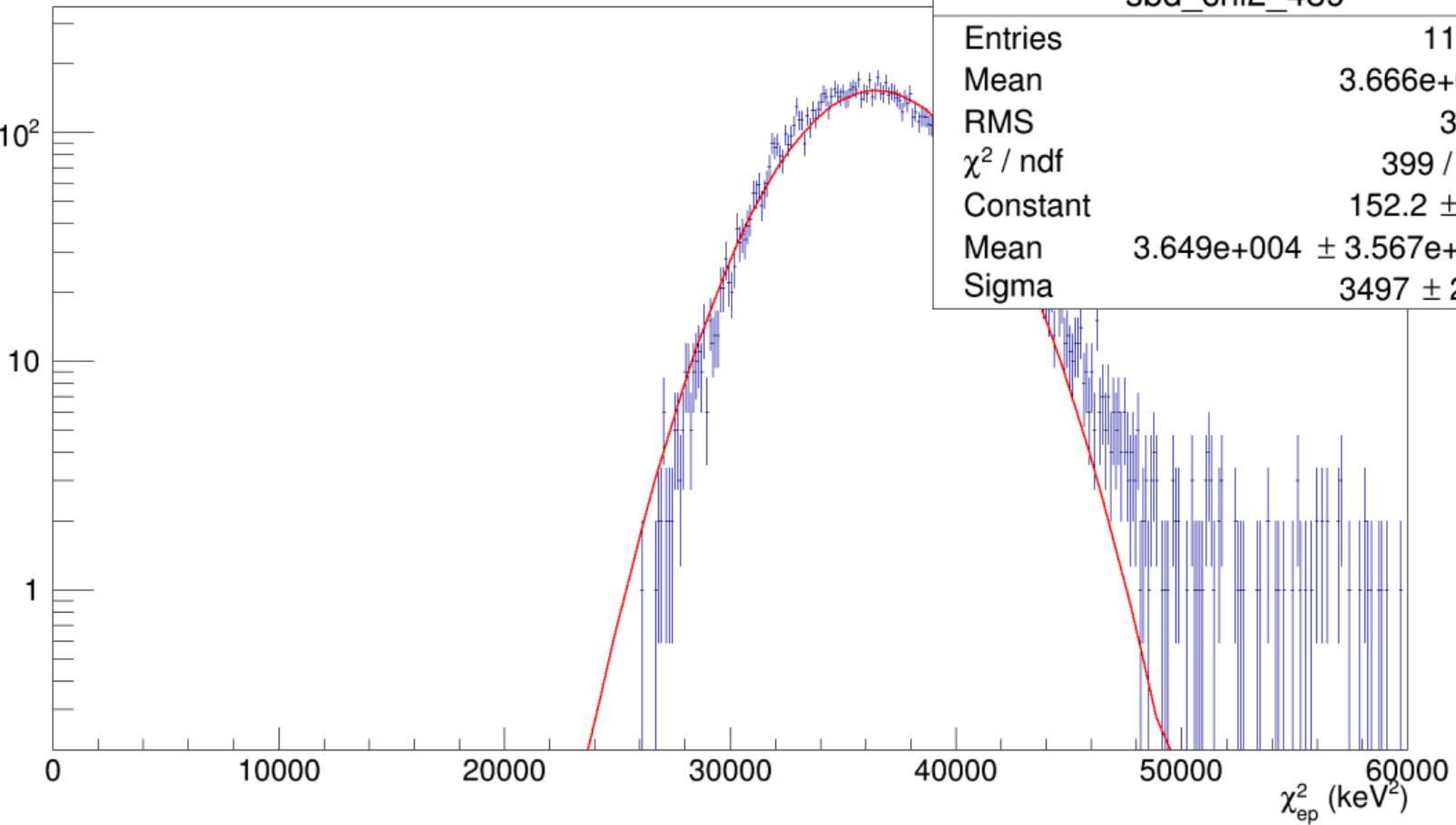
probability



sbd_chi2_488	
Entries	11694
Mean	3.661e+004
RMS	3866
χ^2 / ndf	454.3 / 233
Constant	153.2 ± 1.9
Mean	3.641e+004 ± 3.572e+001
Sigma	3507 ± 27.3

χ^2_{ep} from 489.00 keV to 490.00 keV

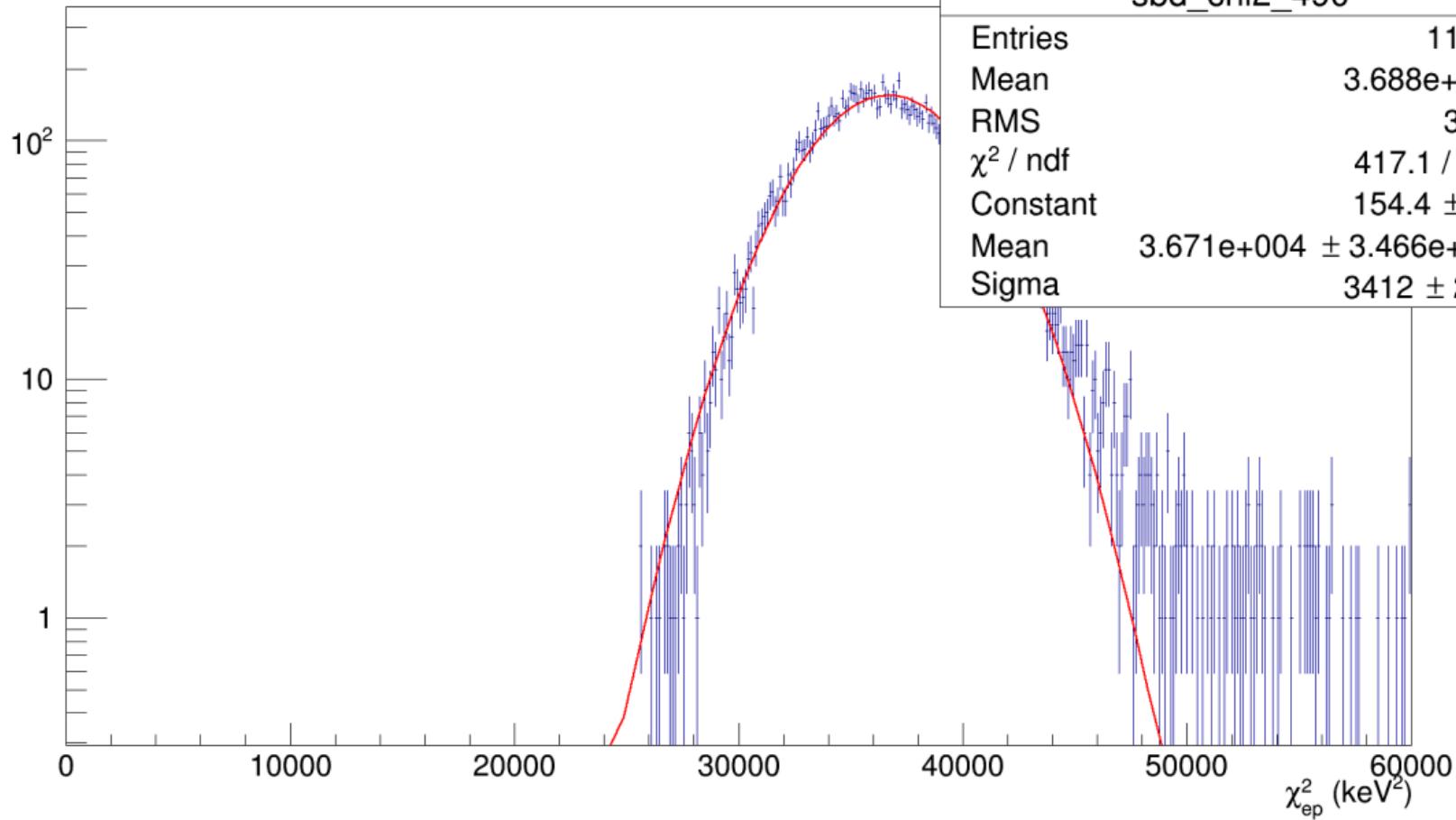
probability



sbd_chi2_489	
Entries	11535
Mean	3.666e+004
RMS	3855
χ^2 / ndf	399 / 231
Constant	152.2 ± 1.8
Mean	3.649e+004 ± 3.567e+001
Sigma	3497 ± 26.9

χ^2_{ep} from 490.00 keV to 491.00 keV

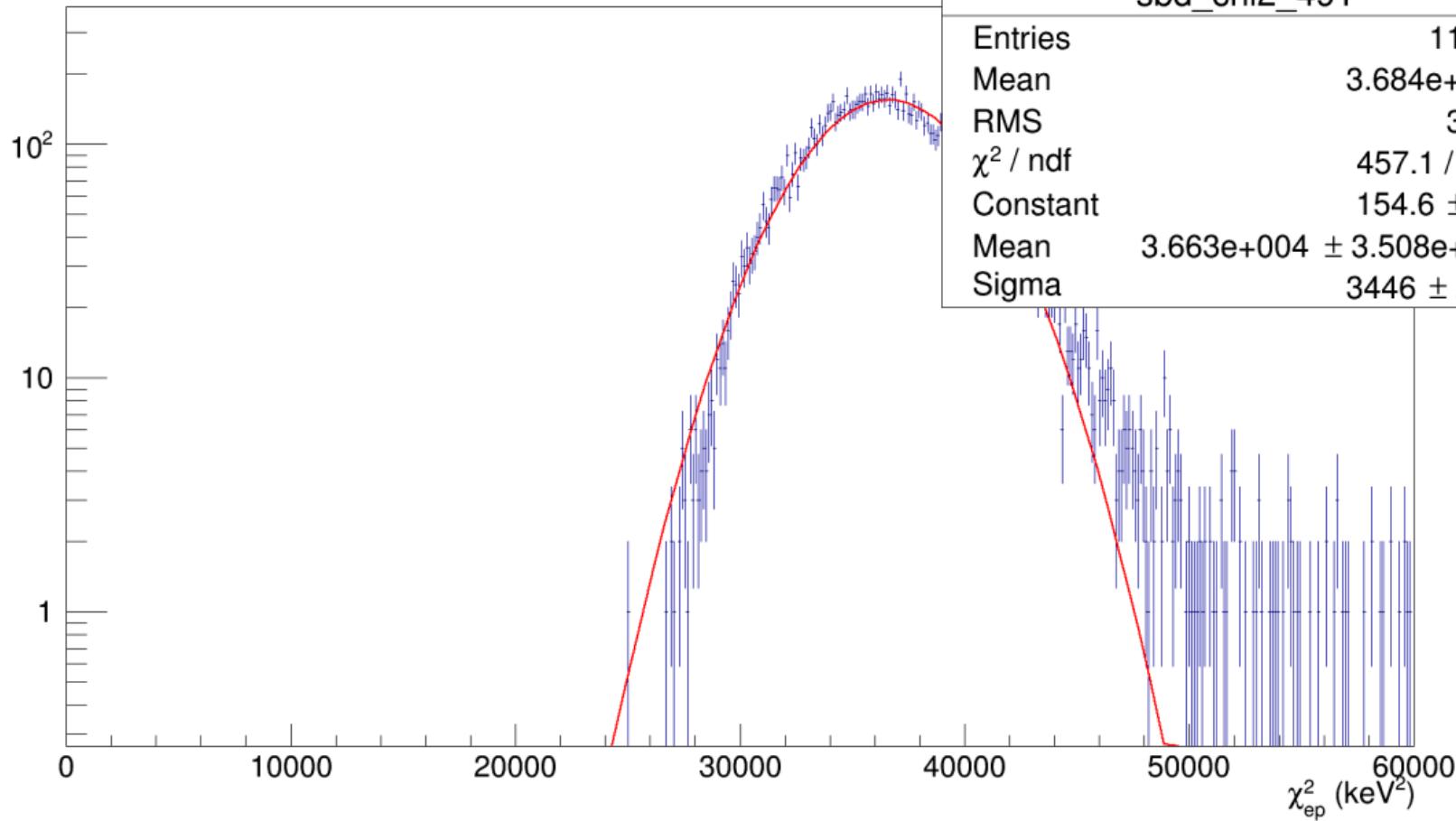
probability



sbd_chi2_490	
Entries	11465
Mean	3.688e+004
RMS	3850
χ^2 / ndf	417.1 / 242
Constant	154.4 ± 1.8
Mean	3.671e+004 ± 3.466e+001
Sigma	3412 ± 24.5

χ^2_{ep} from 491.00 keV to 492.00 keV

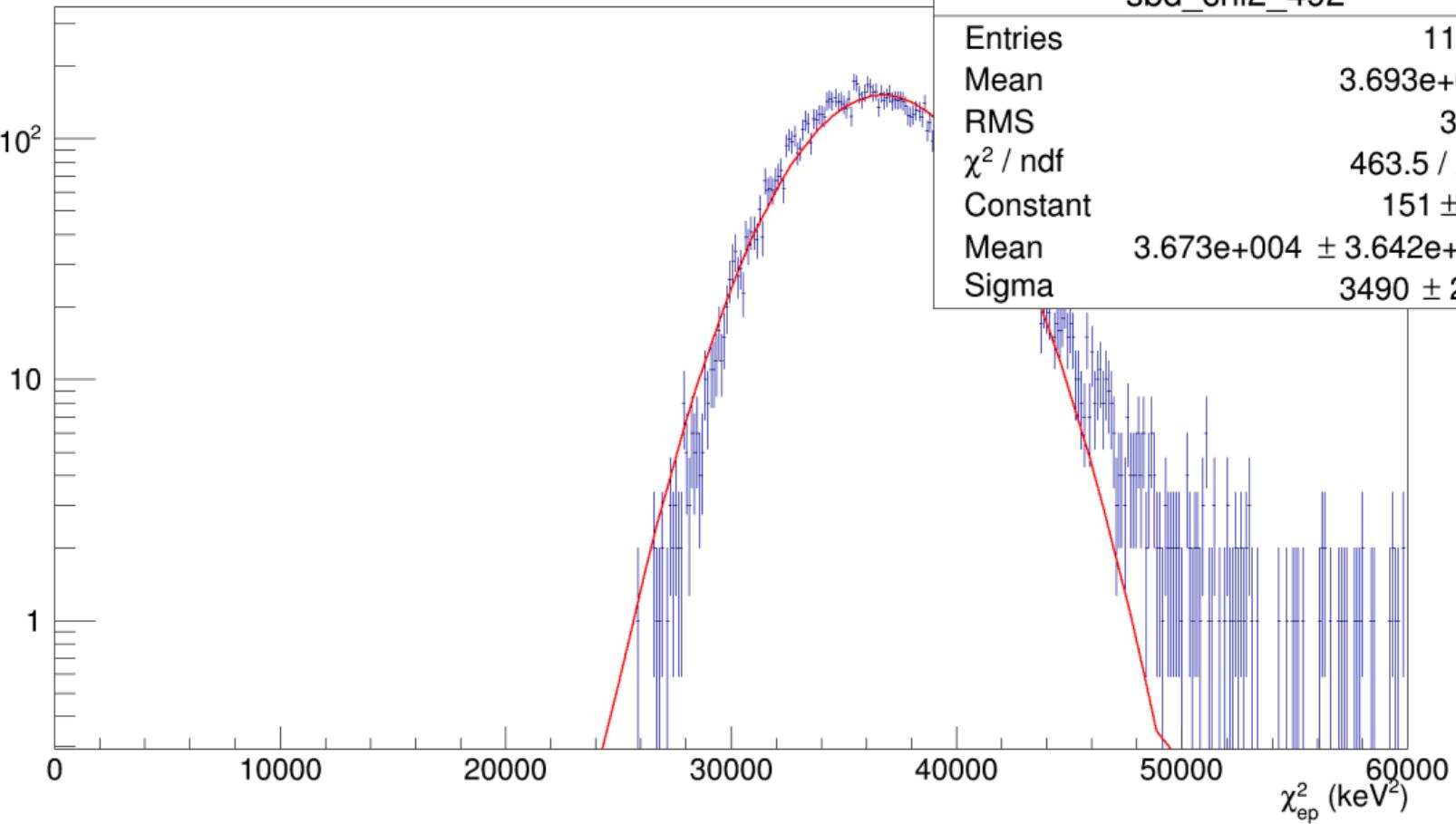
probability



sbd_chi2_491	
Entries	11605
Mean	3.684e+004
RMS	3880
χ^2 / ndf	457.1 / 236
Constant	154.6 ± 1.9
Mean	3.663e+004 ± 3.508e+001
Sigma	3446 ± 25.8

χ^2_{ep} from 492.00 keV to 493.00 keV

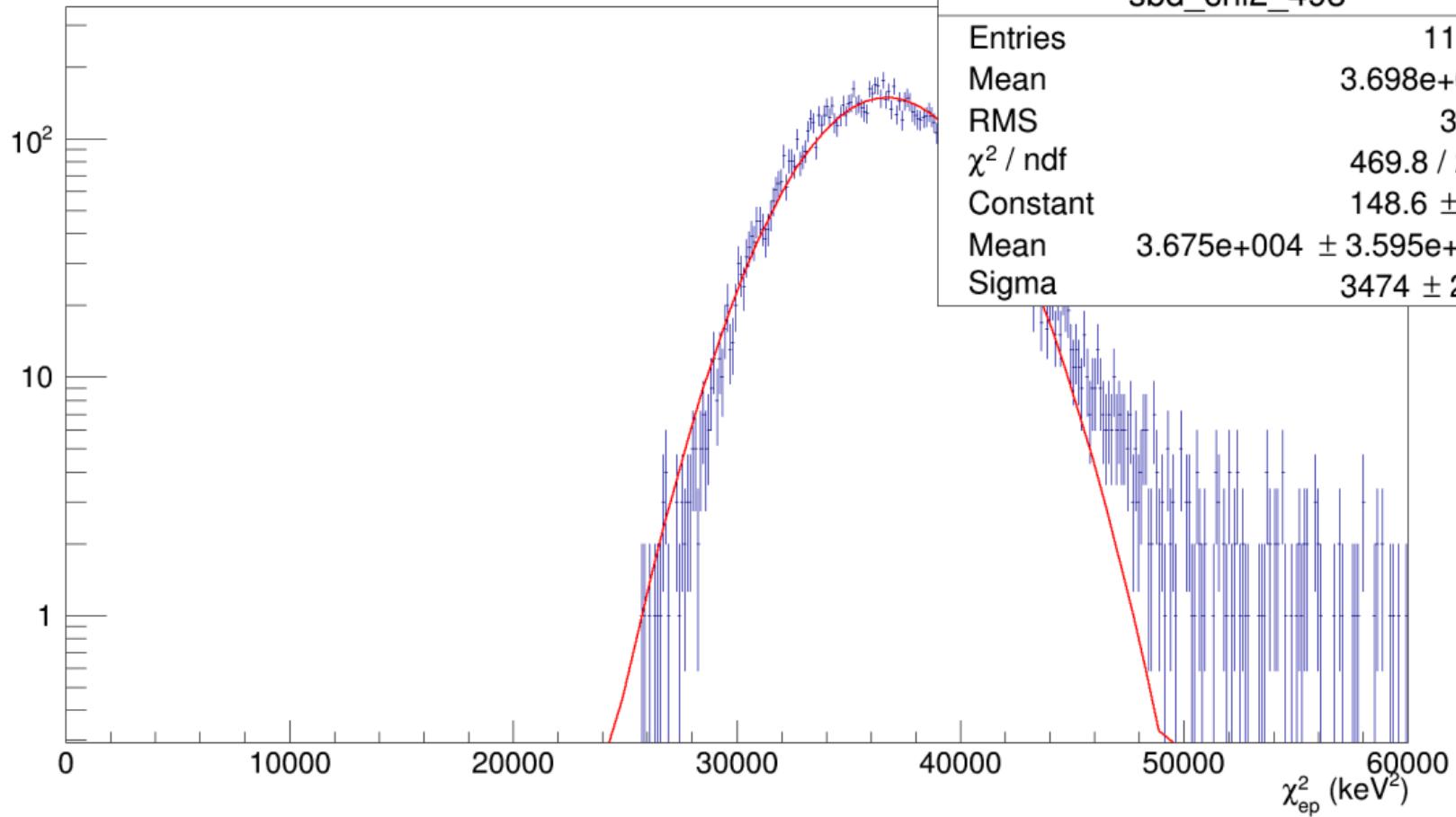
probability



sbd_chi2_492	
Entries	11502
Mean	3.693e+004
RMS	3912
χ^2 / ndf	463.5 / 242
Constant	151 ± 1.8
Mean	$3.673\text{e+004} \pm 3.642\text{e+001}$
Sigma	3490 ± 26.6

χ^2_{ep} from 493.00 keV to 494.00 keV

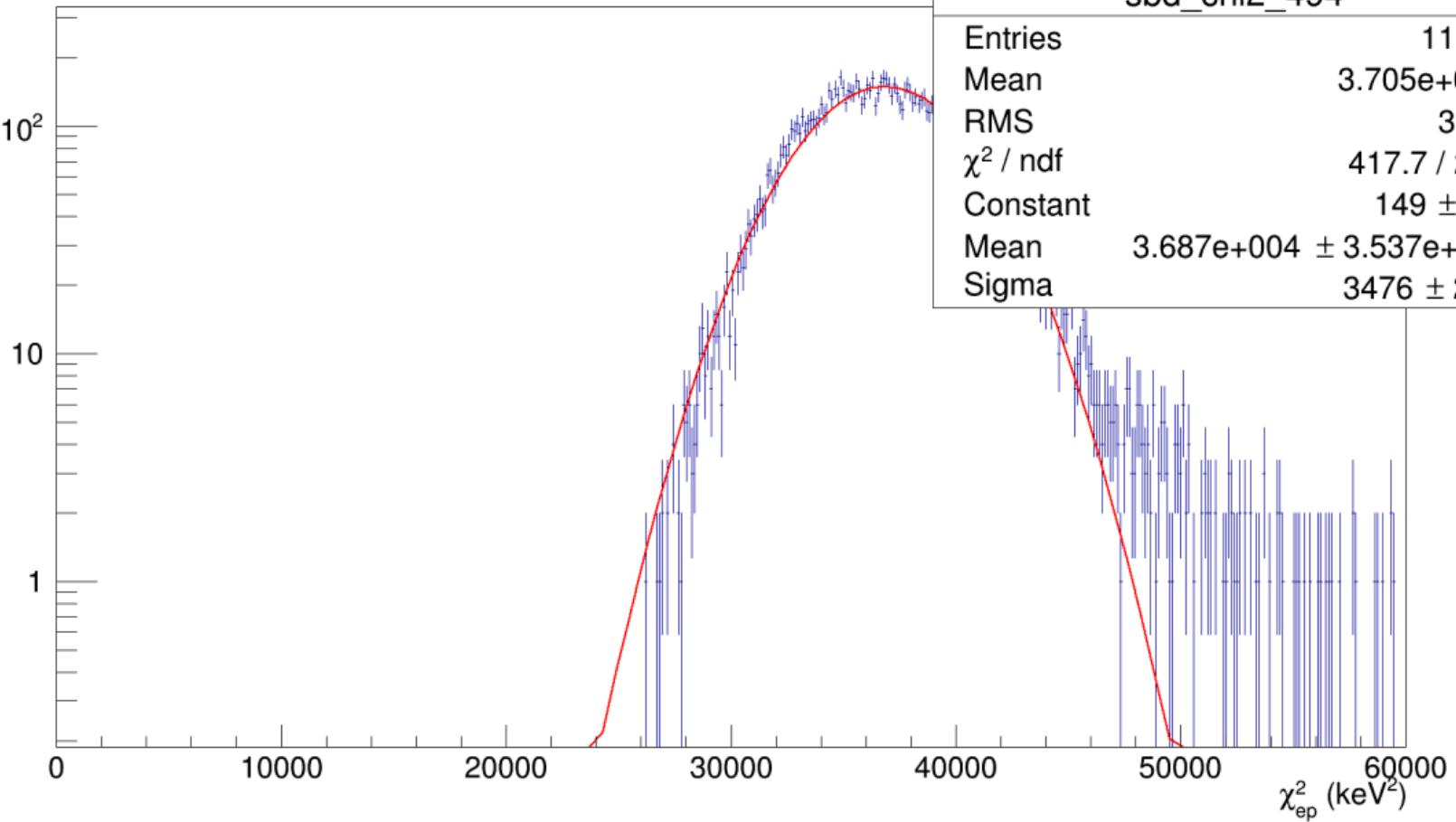
probability



sbd_chi2_493	
Entries	11293
Mean	3.698e+004
RMS	3977
χ^2 / ndf	469.8 / 247
Constant	148.6 ± 1.8
Mean	3.675e+004 ± 3.595e+001
Sigma	3474 ± 26.2

χ^2_{ep} from 494.00 keV to 495.00 keV

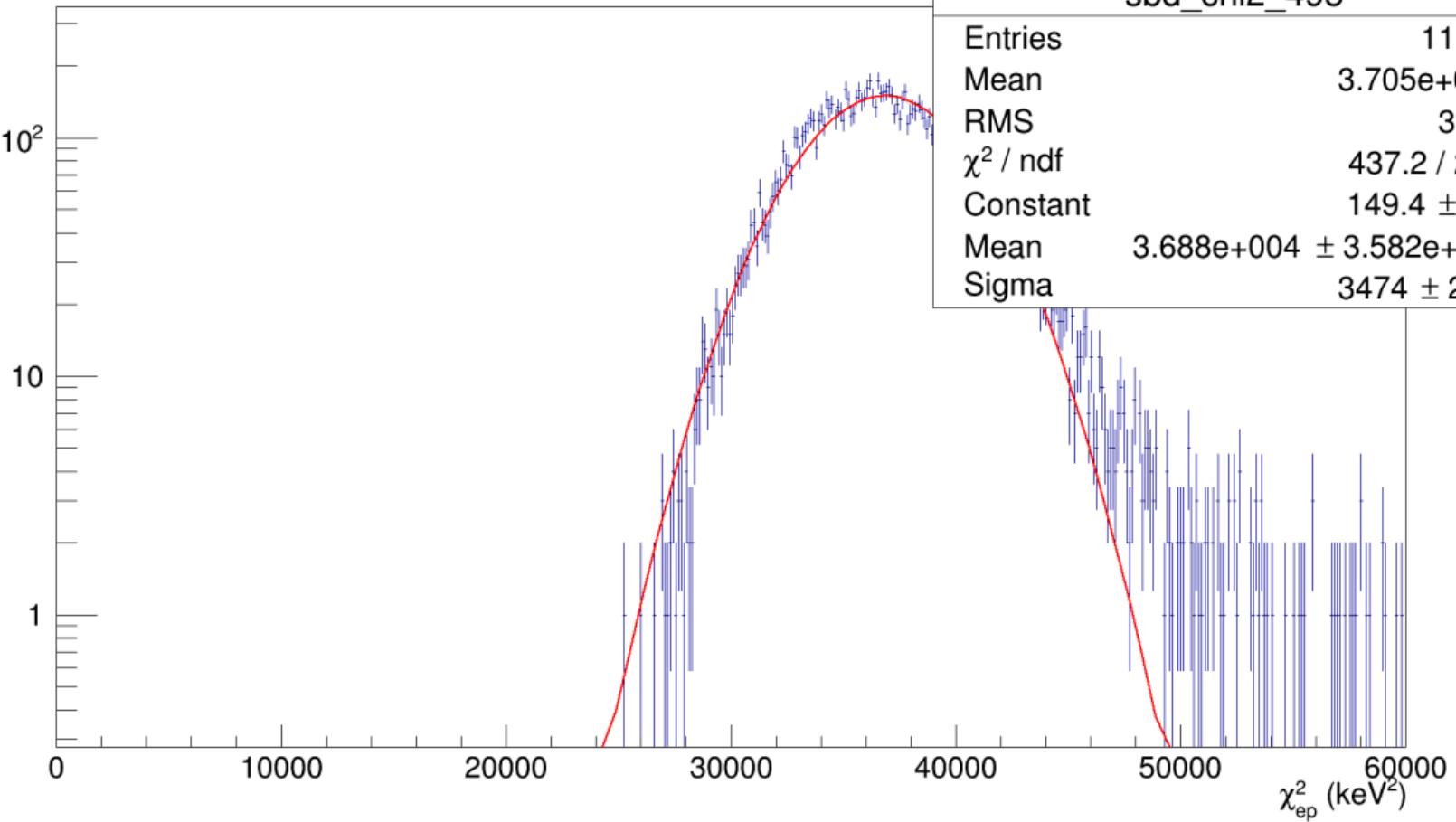
probability



sbd_chi2_494	
Entries	11255
Mean	3.705e+004
RMS	3855
χ^2 / ndf	417.7 / 233
Constant	149 ± 1.8
Mean	3.687e+004 ± 3.537e+001
Sigma	3476 ± 26.1

χ^2_{ep} from 495.00 keV to 496.00 keV

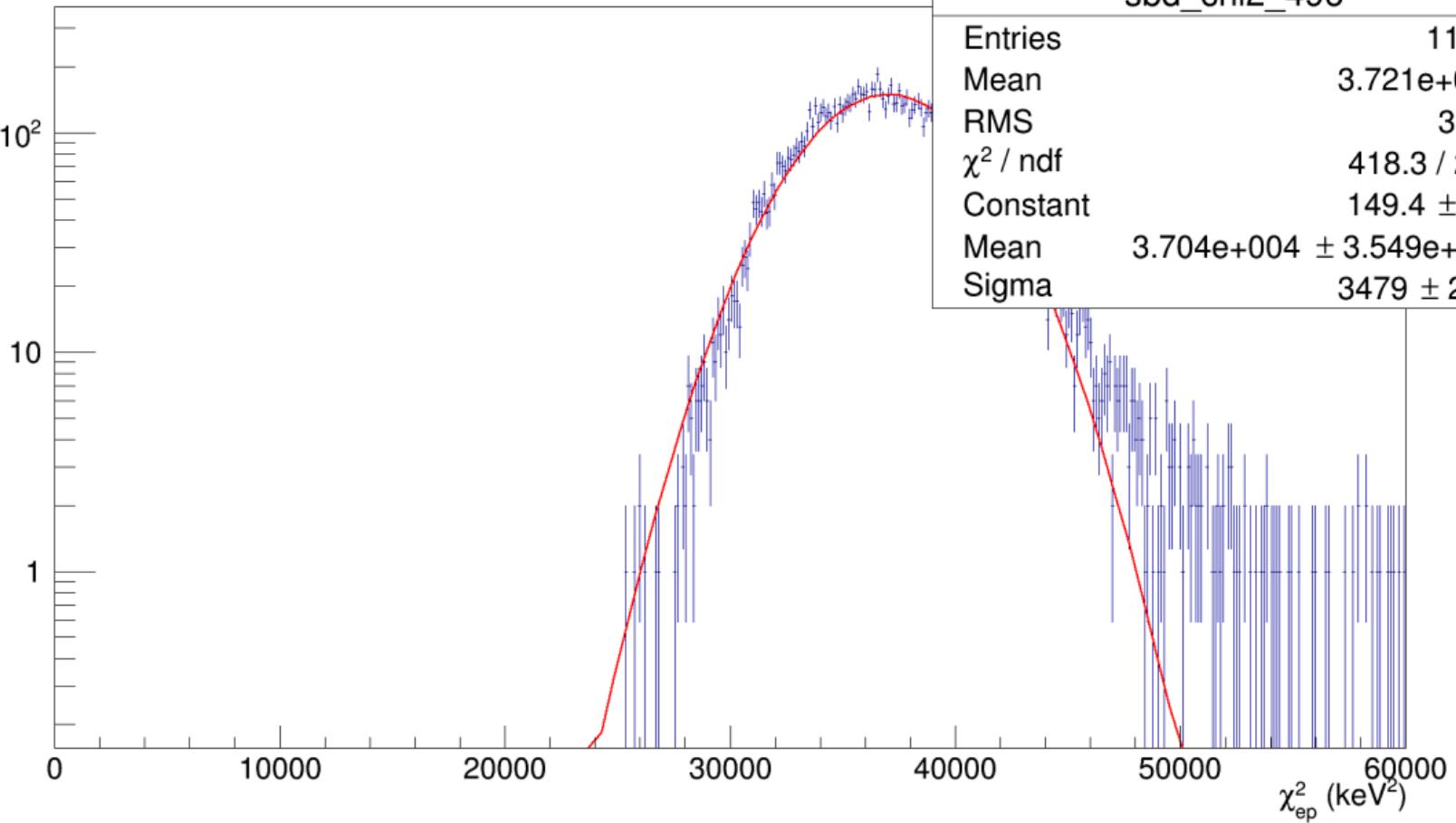
probability



sbd_chi2_495	
Entries	11309
Mean	3.705e+004
RMS	3890
χ^2 / ndf	437.2 / 235
Constant	149.4 ± 1.8
Mean	3.688e+004 ± 3.582e+001
Sigma	3474 ± 25.8

χ^2_{ep} from 496.00 keV to 497.00 keV

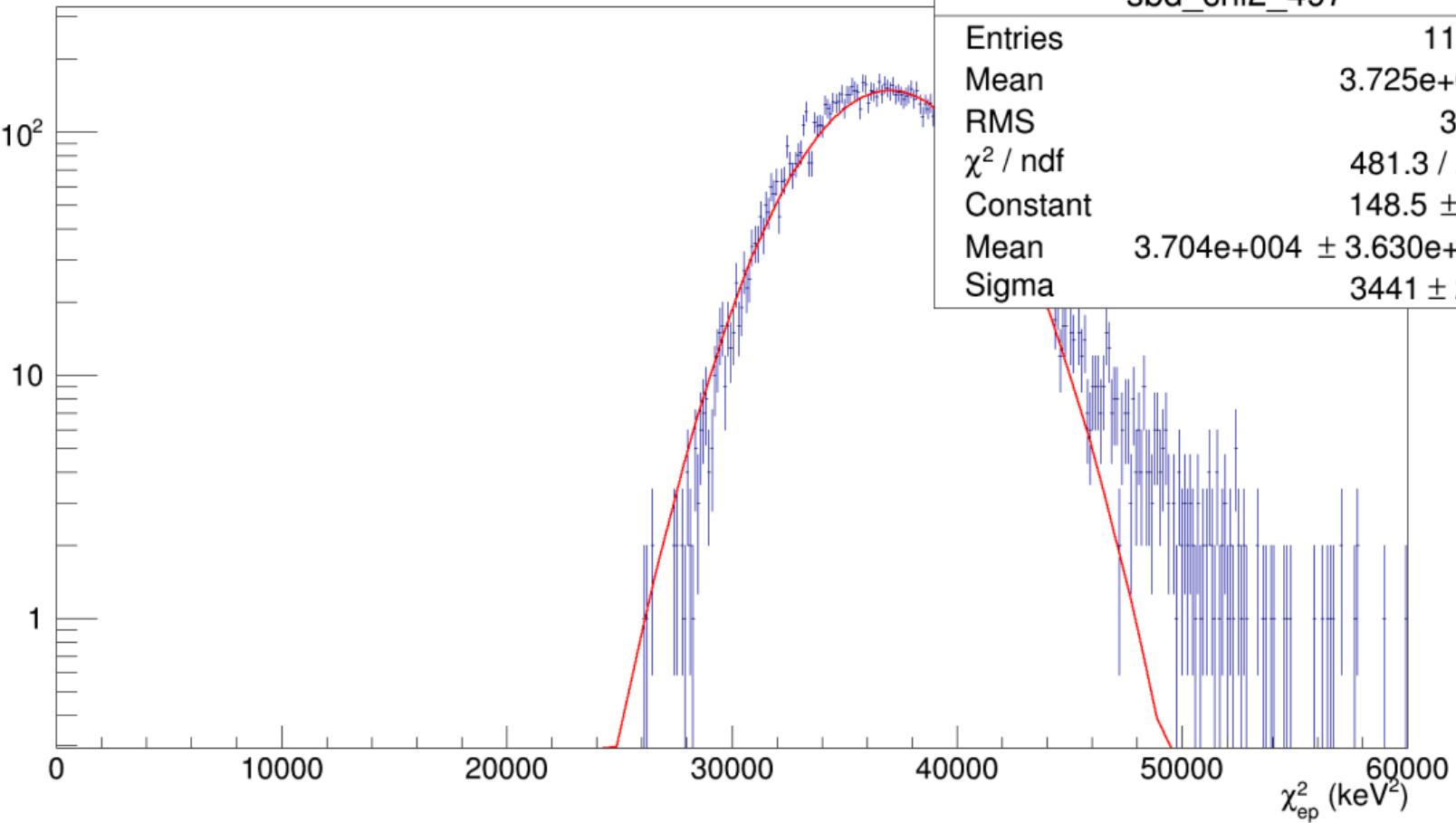
probability



sbd_chi2_496	
Entries	11301
Mean	3.721e+004
RMS	3839
χ^2 / ndf	418.3 / 236
Constant	149.4 ± 1.8
Mean	3.704e+004 ± 3.549e+001
Sigma	3479 ± 26.2

χ^2_{ep} from 497.00 keV to 498.00 keV

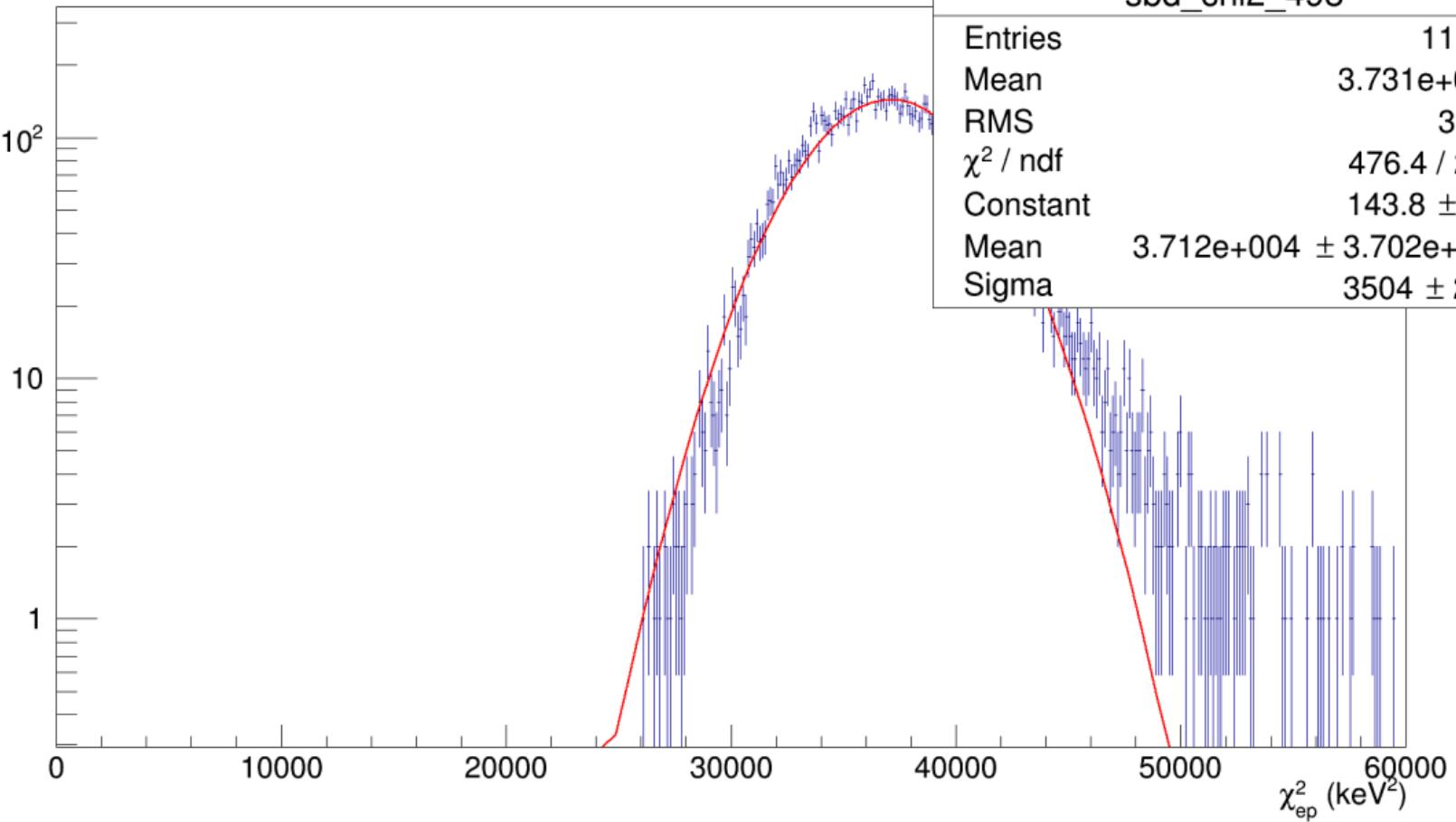
probability



sbd_chi2_497	
Entries	11177
Mean	3.725e+004
RMS	3857
χ^2 / ndf	481.3 / 229
Constant	148.5 ± 1.8
Mean	3.704e+004 ± 3.630e+001
Sigma	3441 ± 27.1

χ^2_{ep} from 498.00 keV to 499.00 keV

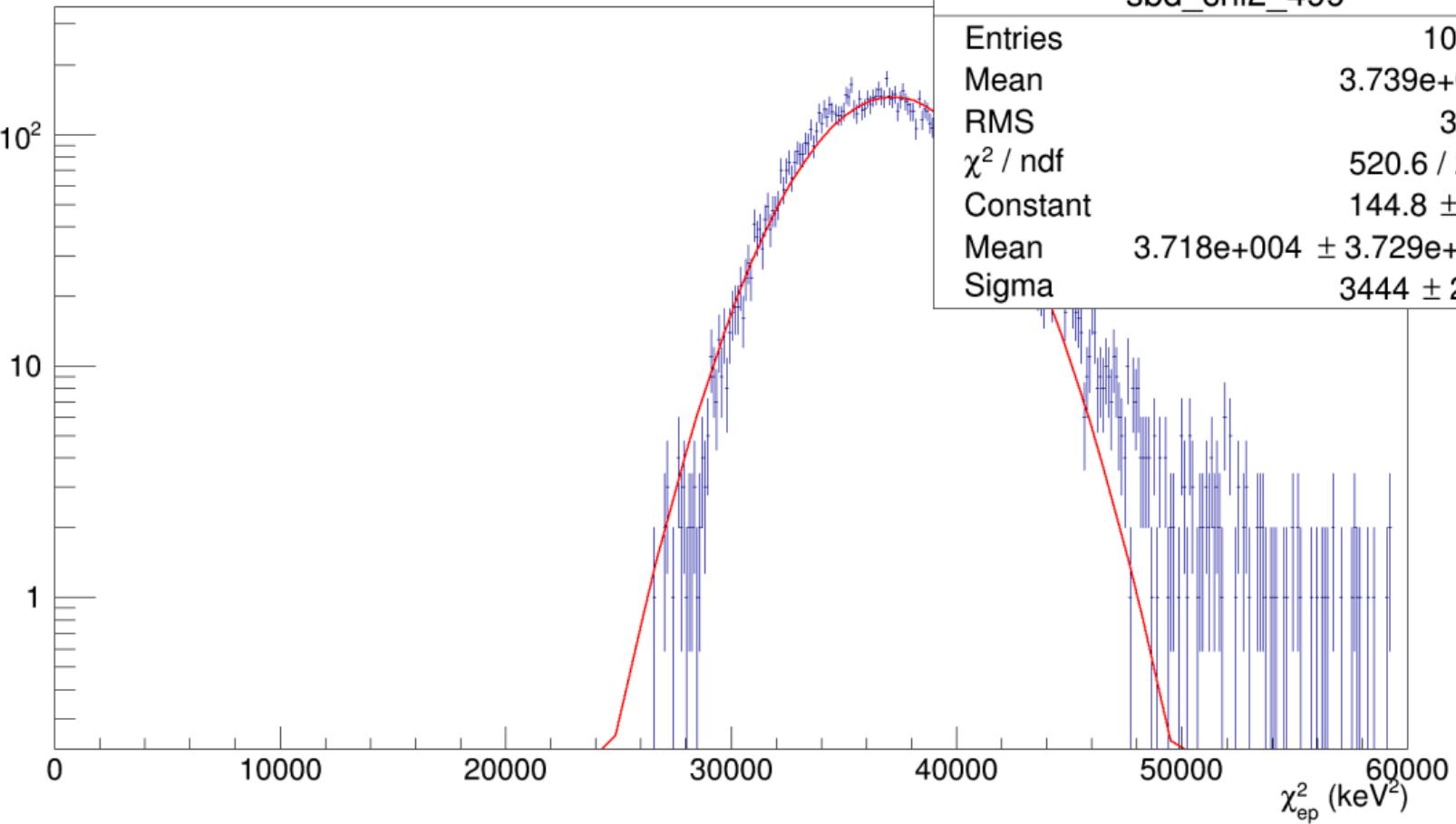
probability



sbd_chi2_498	
Entries	11030
Mean	3.731e+004
RMS	3934
χ^2 / ndf	476.4 / 236
Constant	143.8 ± 1.8
Mean	3.712e+004 ± 3.702e+001
Sigma	3504 ± 27.1

χ^2_{ep} from 499.00 keV to 500.00 keV

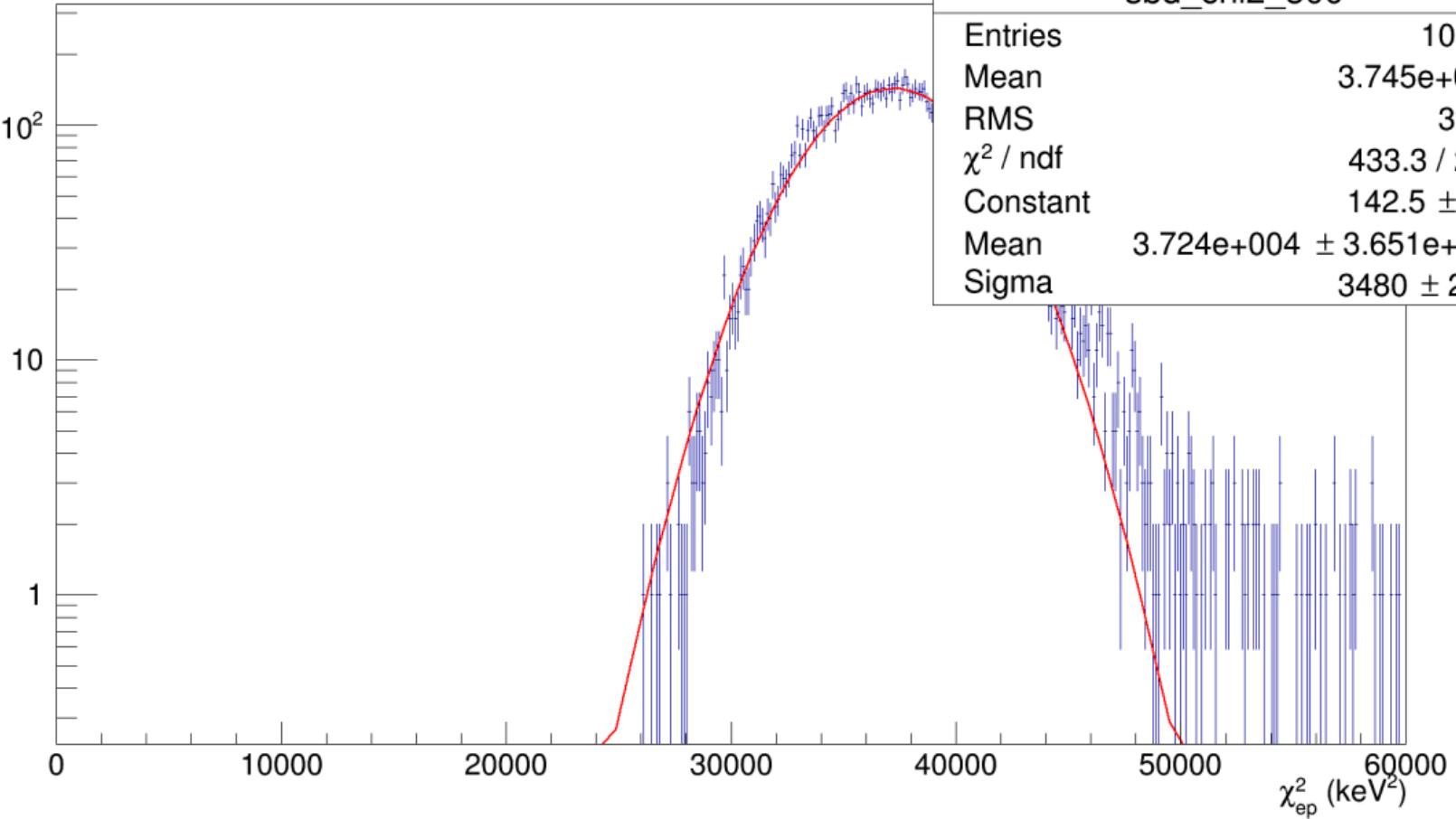
probability



sbd_chi2_499	
Entries	10962
Mean	3.739e+004
RMS	3916
χ^2 / ndf	520.6 / 234
Constant	144.8 ± 1.8
Mean	3.718e+004 ± 3.729e+001
Sigma	3444 ± 26.7

χ^2_{ep} from 500.00 keV to 501.00 keV

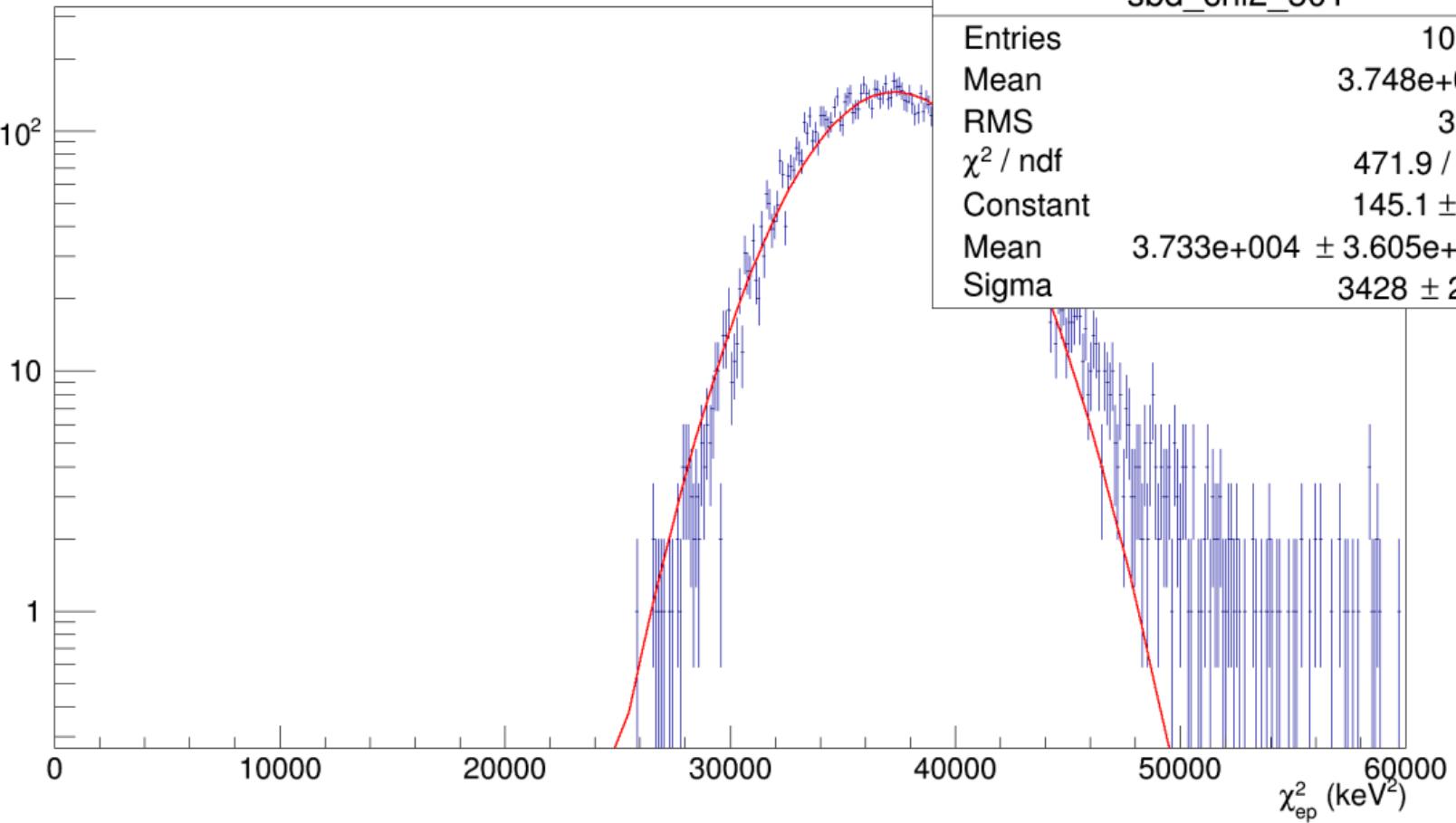
probability



sbd_chi2_500	
Entries	10835
Mean	3.745e+004
RMS	3907
χ^2 / ndf	433.3 / 235
Constant	142.5 ± 1.8
Mean	3.724e+004 ± 3.651e+001
Sigma	3480 ± 26.9

χ^2_{ep} from 501.00 keV to 502.00 keV

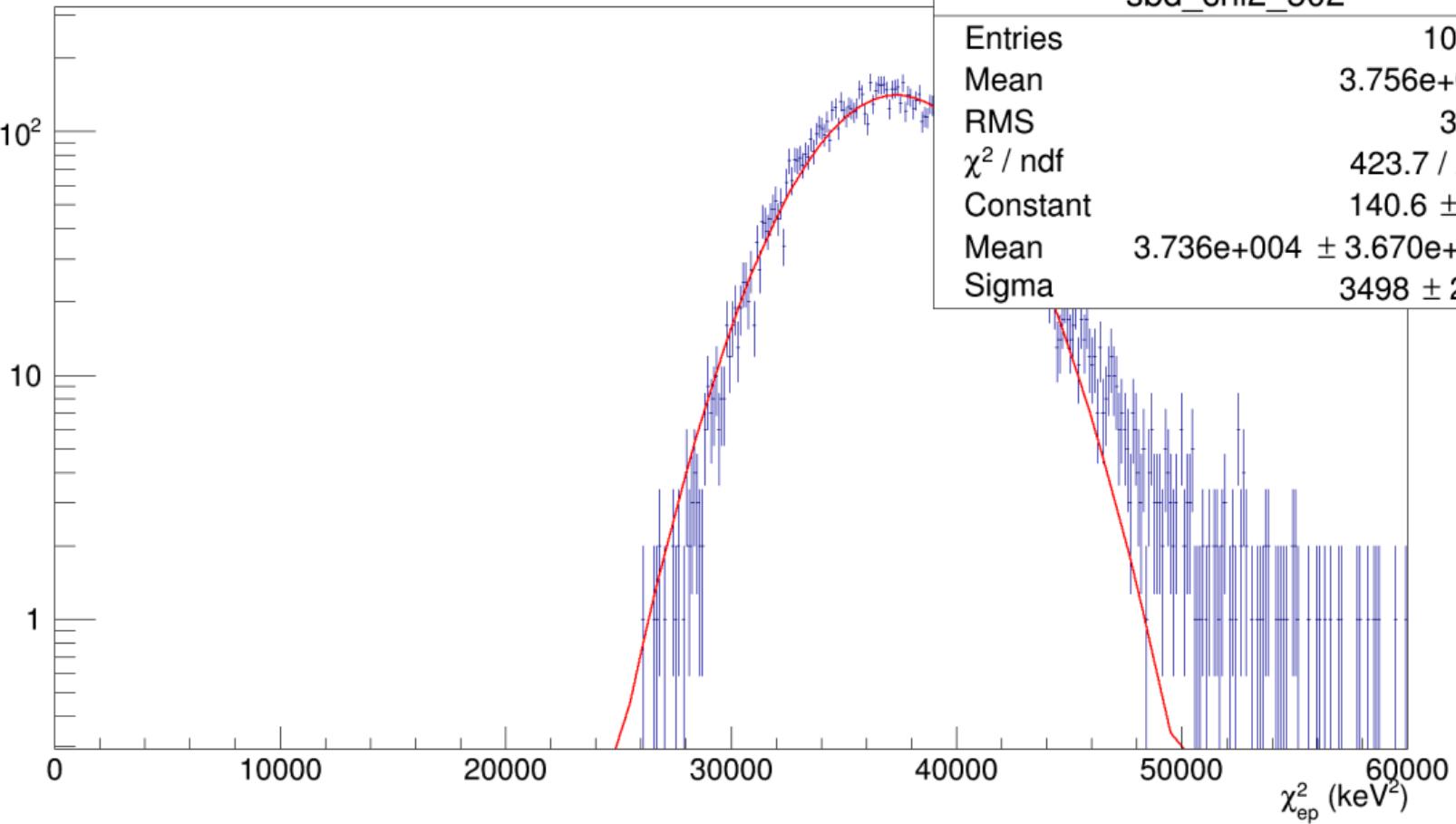
probability



sbd_chi2_501	
Entries	10895
Mean	3.748e+004
RMS	3877
χ^2 / ndf	471.9 / 241
Constant	145.1 ± 1.8
Mean	3.733e+004 ± 3.605e+001
Sigma	3428 ± 26.2

χ^2_{ep} from 502.00 keV to 503.00 keV

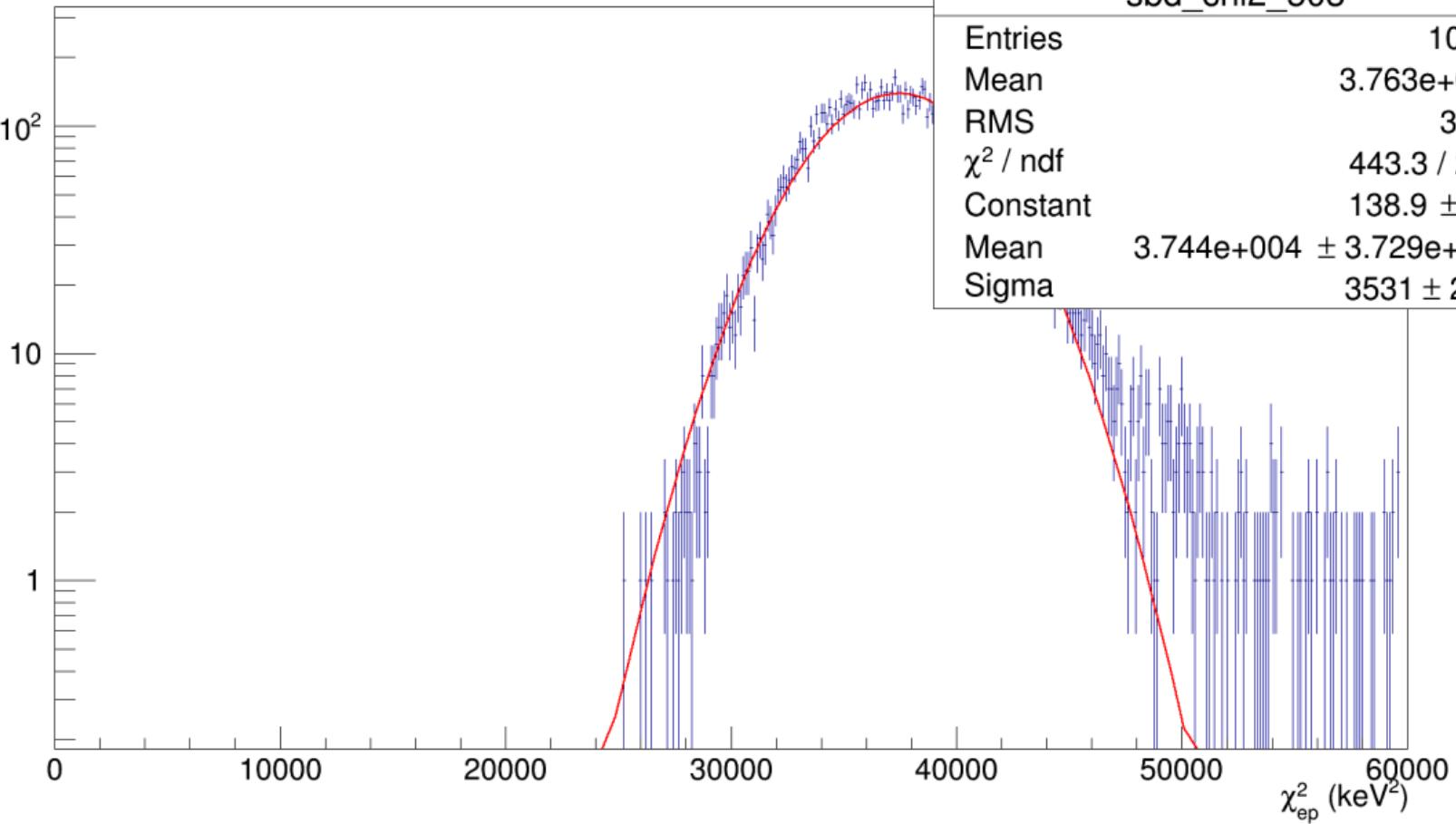
probability



sbd_chi2_502	
Entries	10745
Mean	3.756e+004
RMS	3893
χ^2 / ndf	423.7 / 240
Constant	140.6 ± 1.8
Mean	3.736e+004 ± 3.670e+001
Sigma	3498 ± 27.2

χ^2_{ep} from 503.00 keV to 504.00 keV

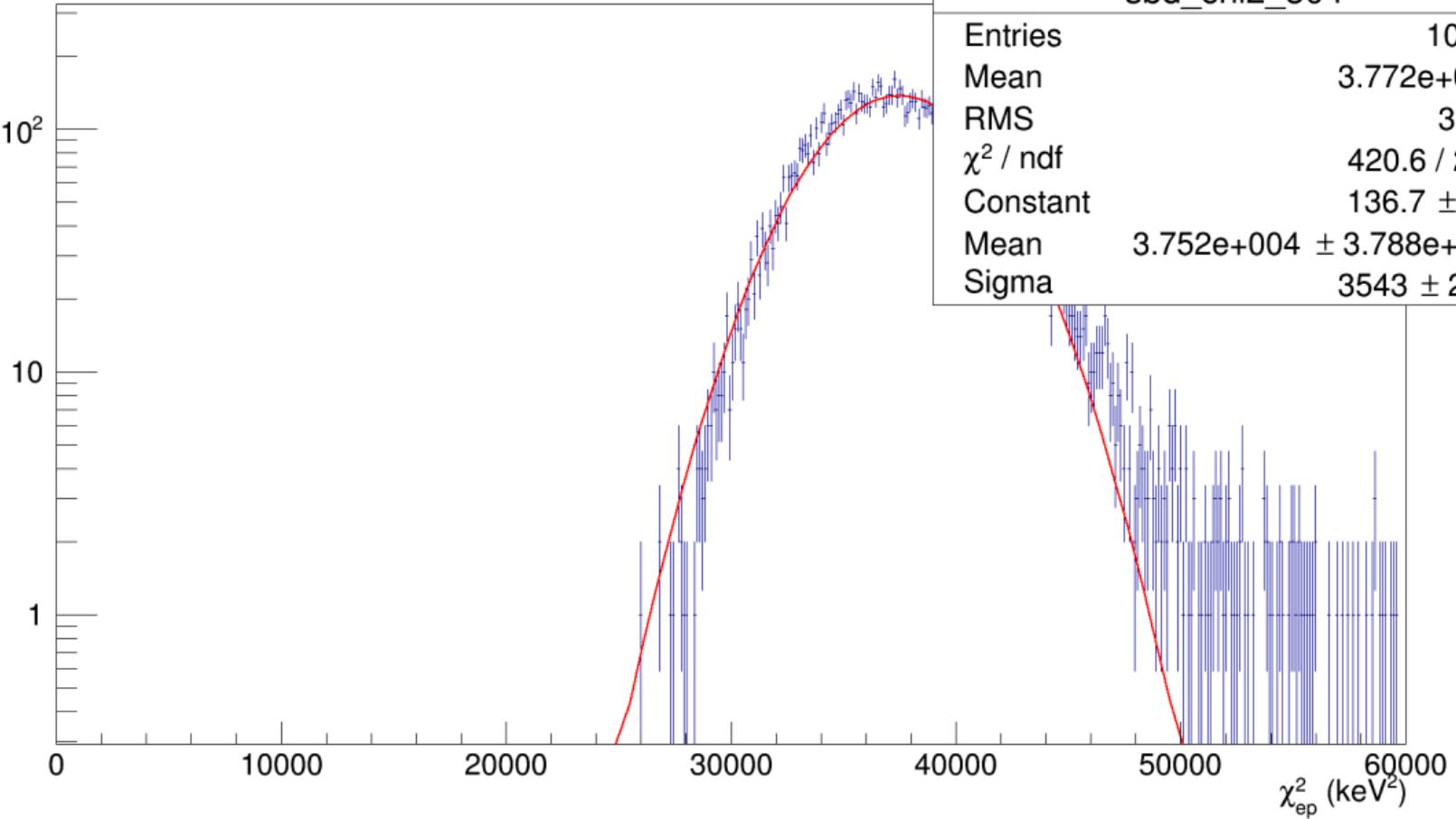
probability



sbd_chi2_503	
Entries	10721
Mean	3.763e+004
RMS	3983
χ^2 / ndf	443.3 / 247
Constant	138.9 ± 1.7
Mean	3.744e+004 ± 3.729e+001
Sigma	3531 ± 26.9

χ^2_{ep} from 504.00 keV to 505.00 keV

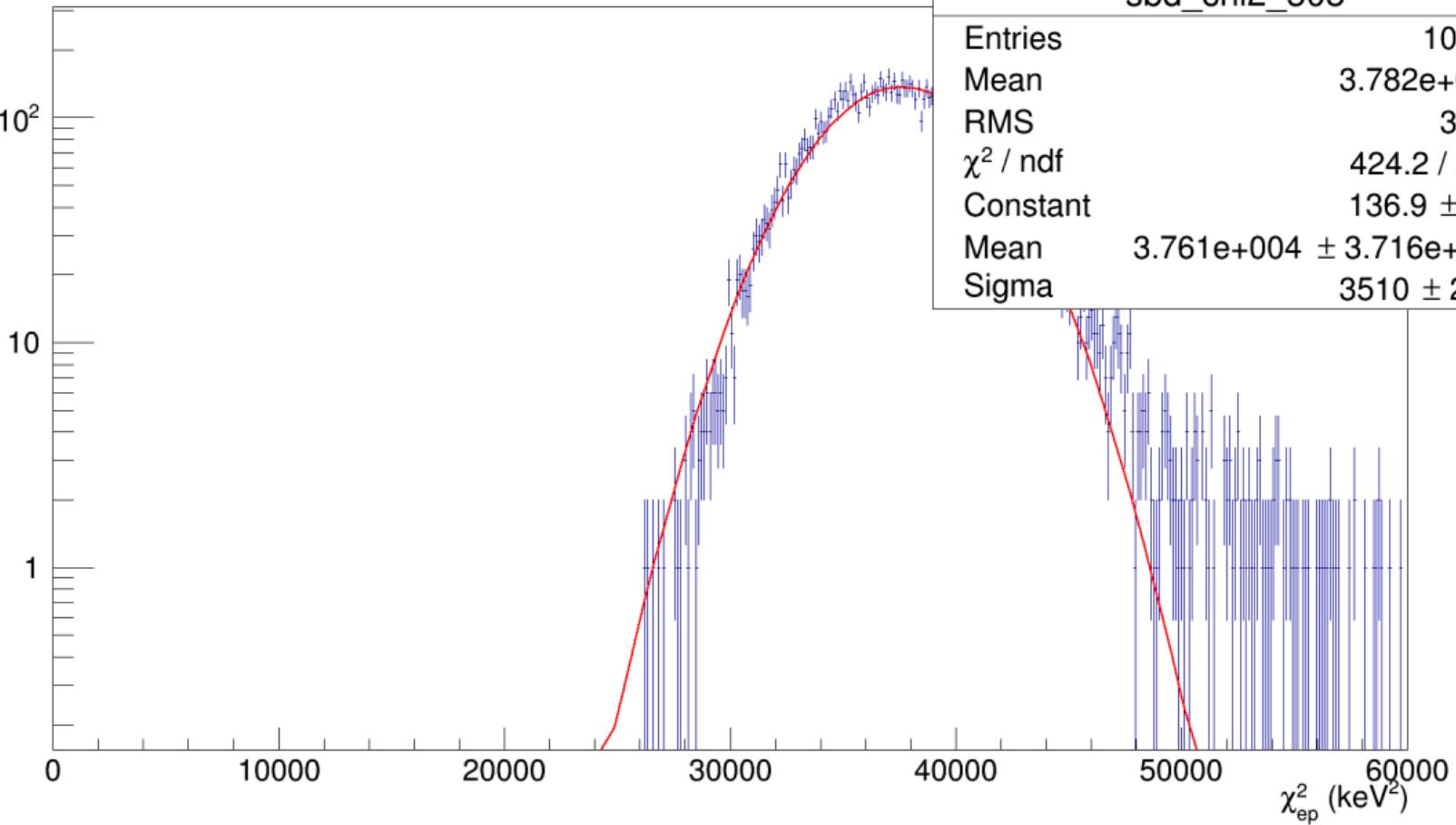
probability



sbd_chi2_504	
Entries	10571
Mean	3.772e+004
RMS	3958
χ^2 / ndf	420.6 / 244
Constant	136.7 ± 1.7
Mean	3.752e+004 ± 3.788e+001
Sigma	3543 ± 28.0

χ^2_{ep} from 505.00 keV to 506.00 keV

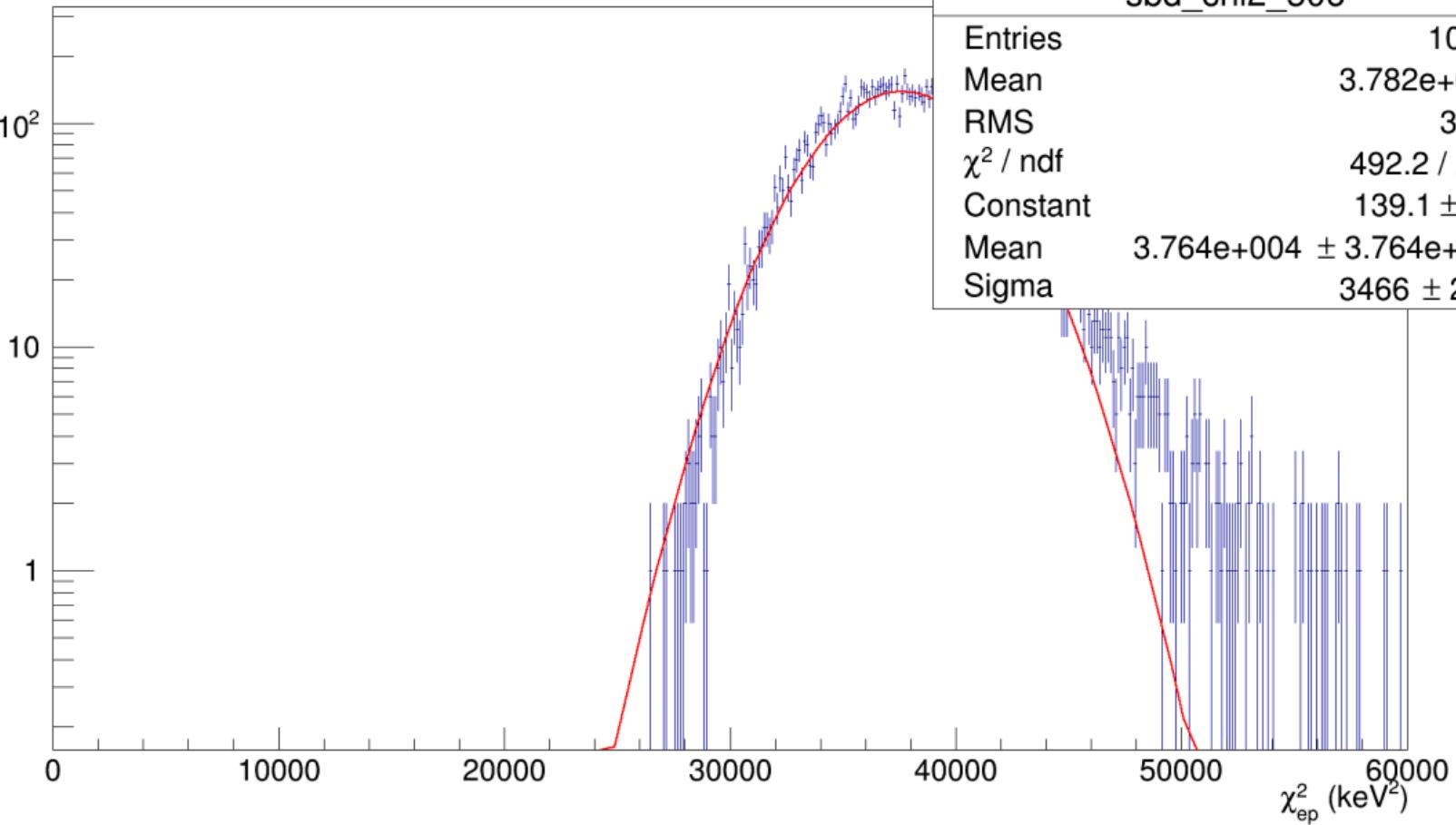
probability



sbd_chi2_505	
Entries	10502
Mean	3.782e+004
RMS	3949
χ^2 / ndf	424.2 / 248
Constant	136.9 ± 1.7
Mean	3.761e+004 ± 3.716e+001
Sigma	3510 ± 26.9

χ^2_{ep} from 506.00 keV to 507.00 keV

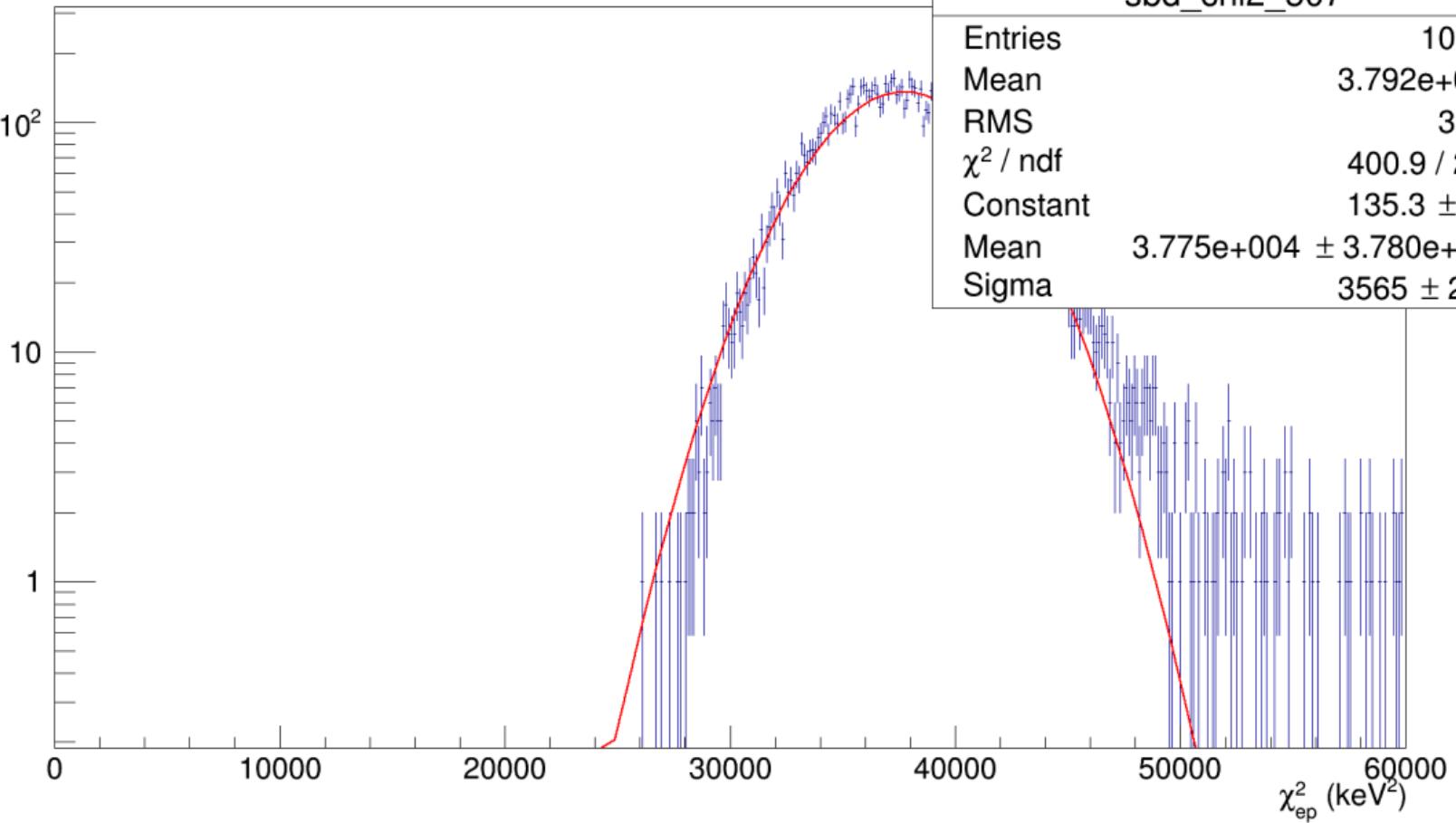
probability



sbd_chi2_506	
Entries	10611
Mean	3.782e+004
RMS	3896
χ^2 / ndf	492.2 / 233
Constant	139.1 ± 1.8
Mean	3.764e+004 ± 3.764e+001
Sigma	3466 ± 27.3

χ^2_{ep} from 507.00 keV to 508.00 keV

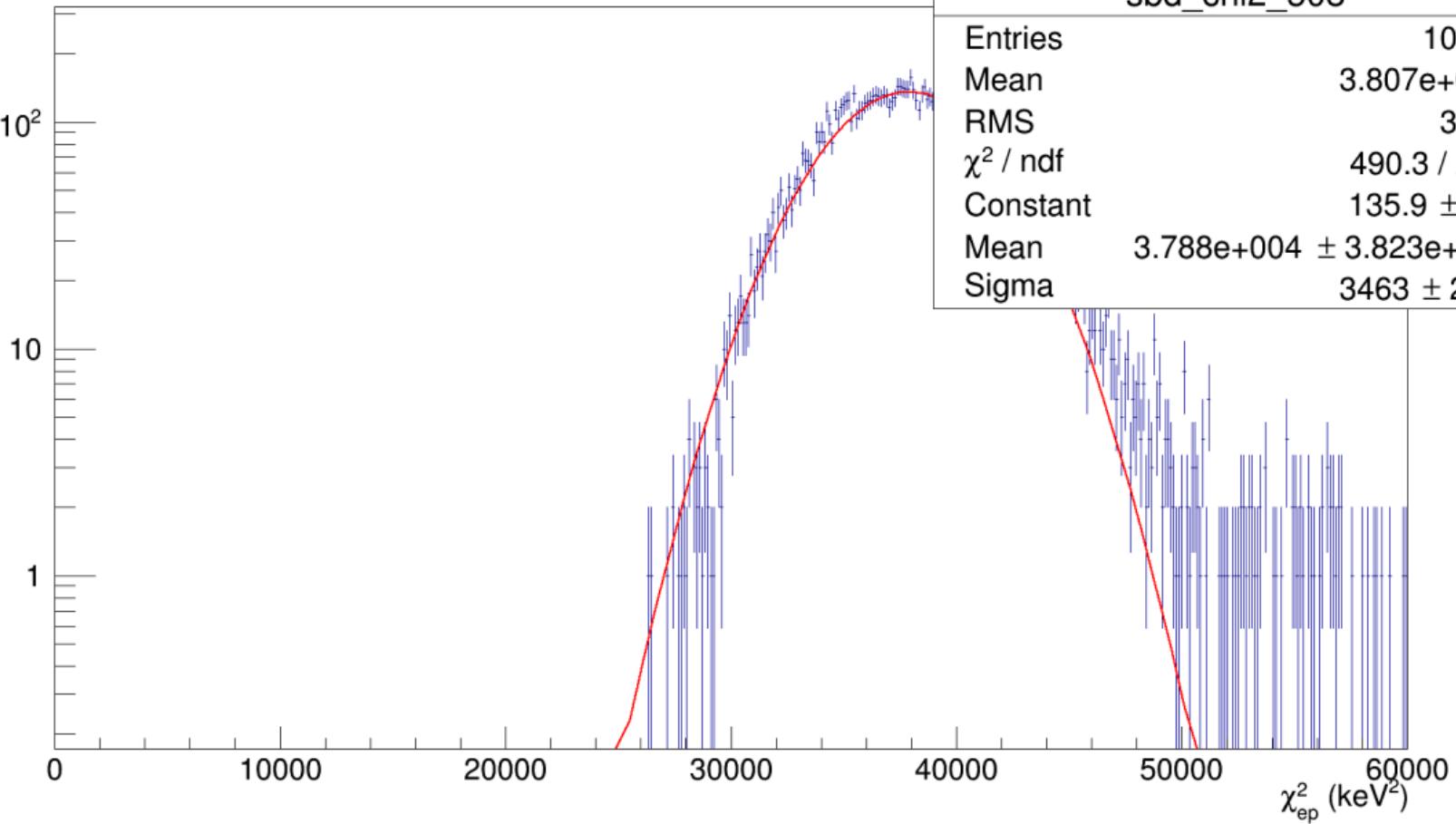
probability



sbd_chi2_507	
Entries	10515
Mean	3.792e+004
RMS	3927
χ^2 / ndf	400.9 / 234
Constant	135.3 ± 1.7
Mean	3.775e+004 ± 3.780e+001
Sigma	3565 ± 27.8

χ^2_{ep} from 508.00 keV to 509.00 keV

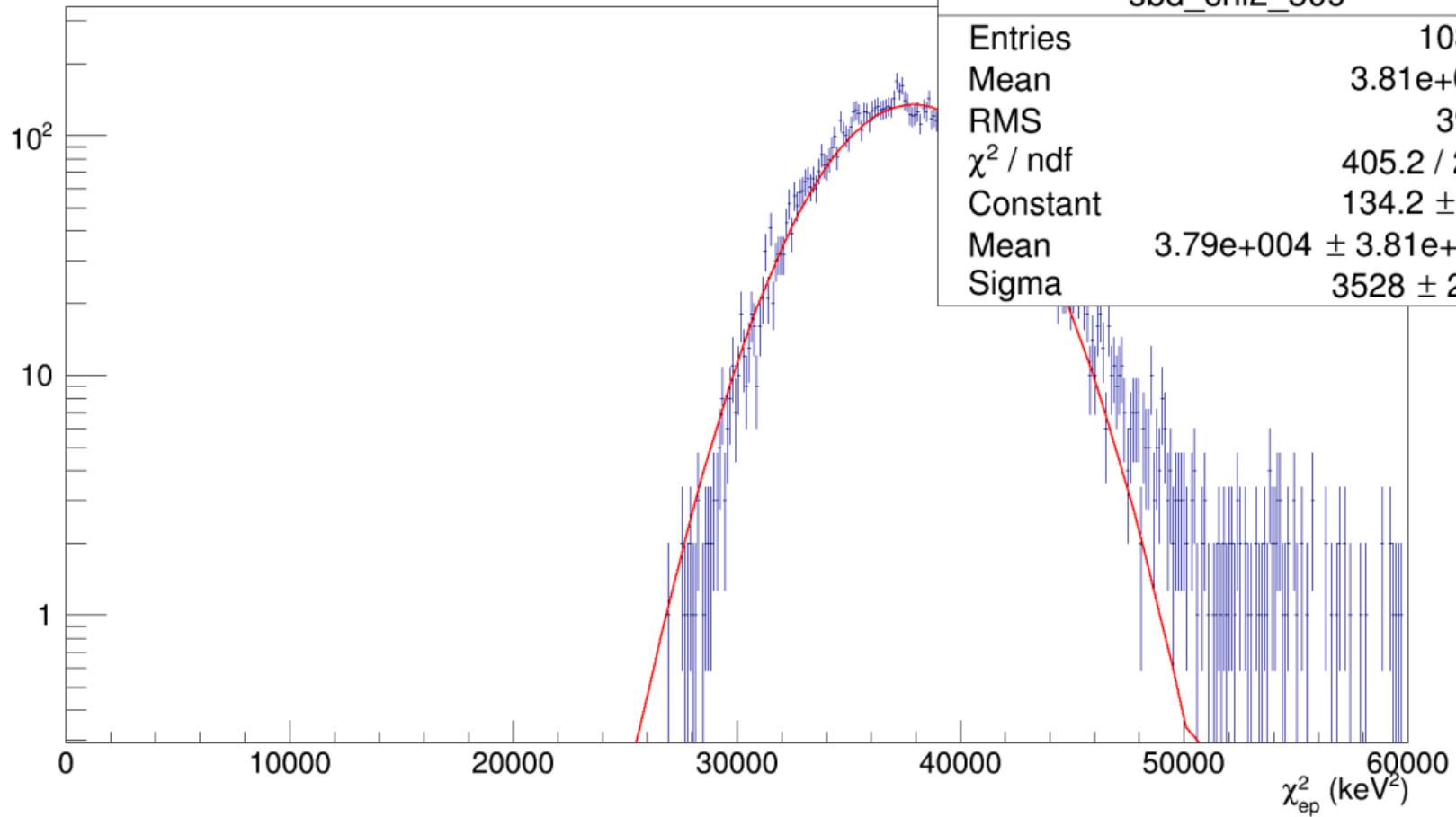
probability



sbd_chi2_508	
Entries	10360
Mean	3.807e+004
RMS	3948
χ^2 / ndf	490.3 / 242
Constant	135.9 ± 1.7
Mean	3.788e+004 ± 3.823e+001
Sigma	3463 ± 27.5

χ^2_{ep} from 509.00 keV to 510.00 keV

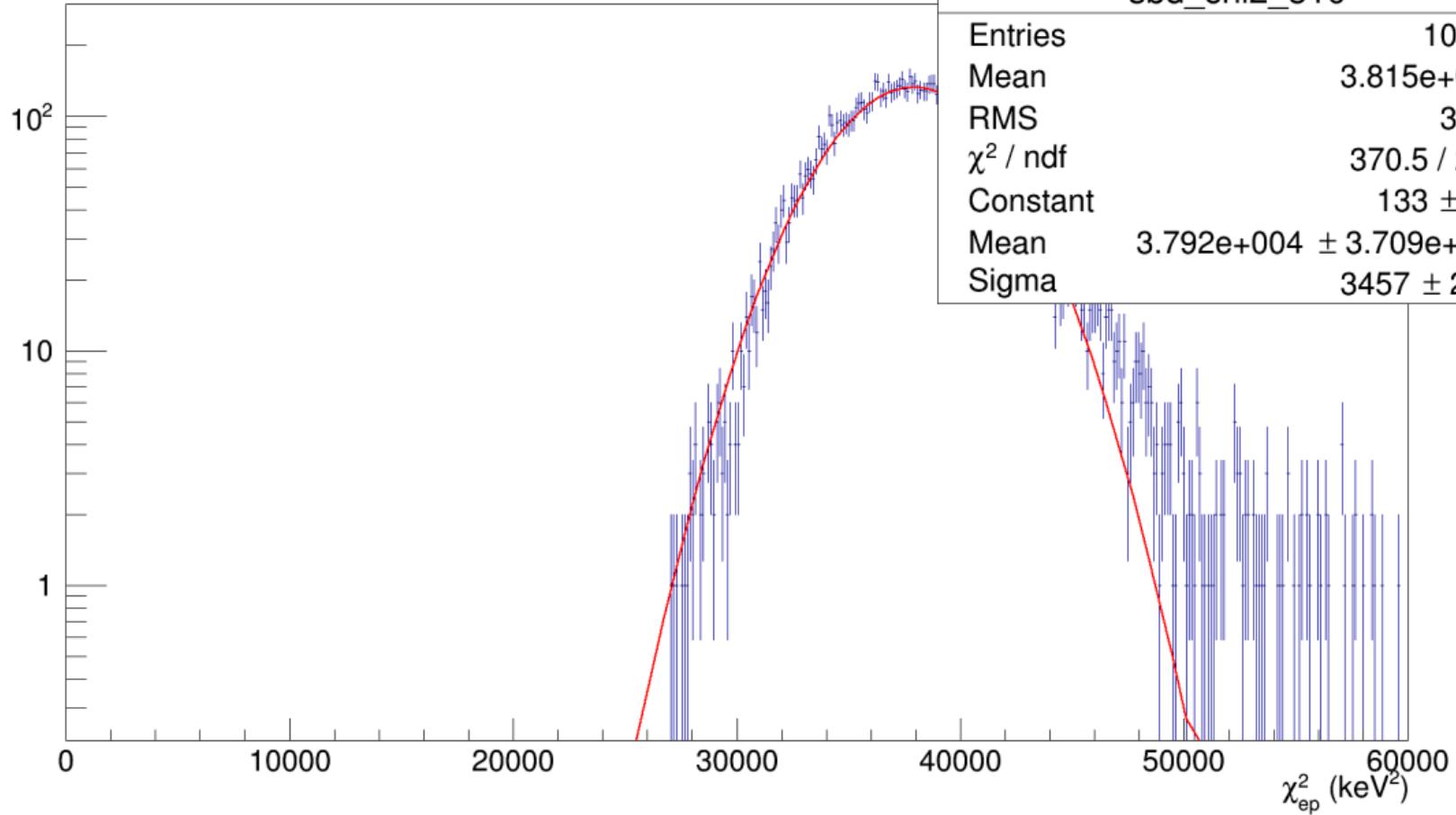
probability



sbd_chi2_509	
Entries	10330
Mean	3.81e+004
RMS	3953
χ^2 / ndf	405.2 / 238
Constant	134.2 ± 1.7
Mean	3.79e+004 ± 3.81e+001
Sigma	3528 ± 27.9

χ^2_{ep} from 510.00 keV to 511.00 keV

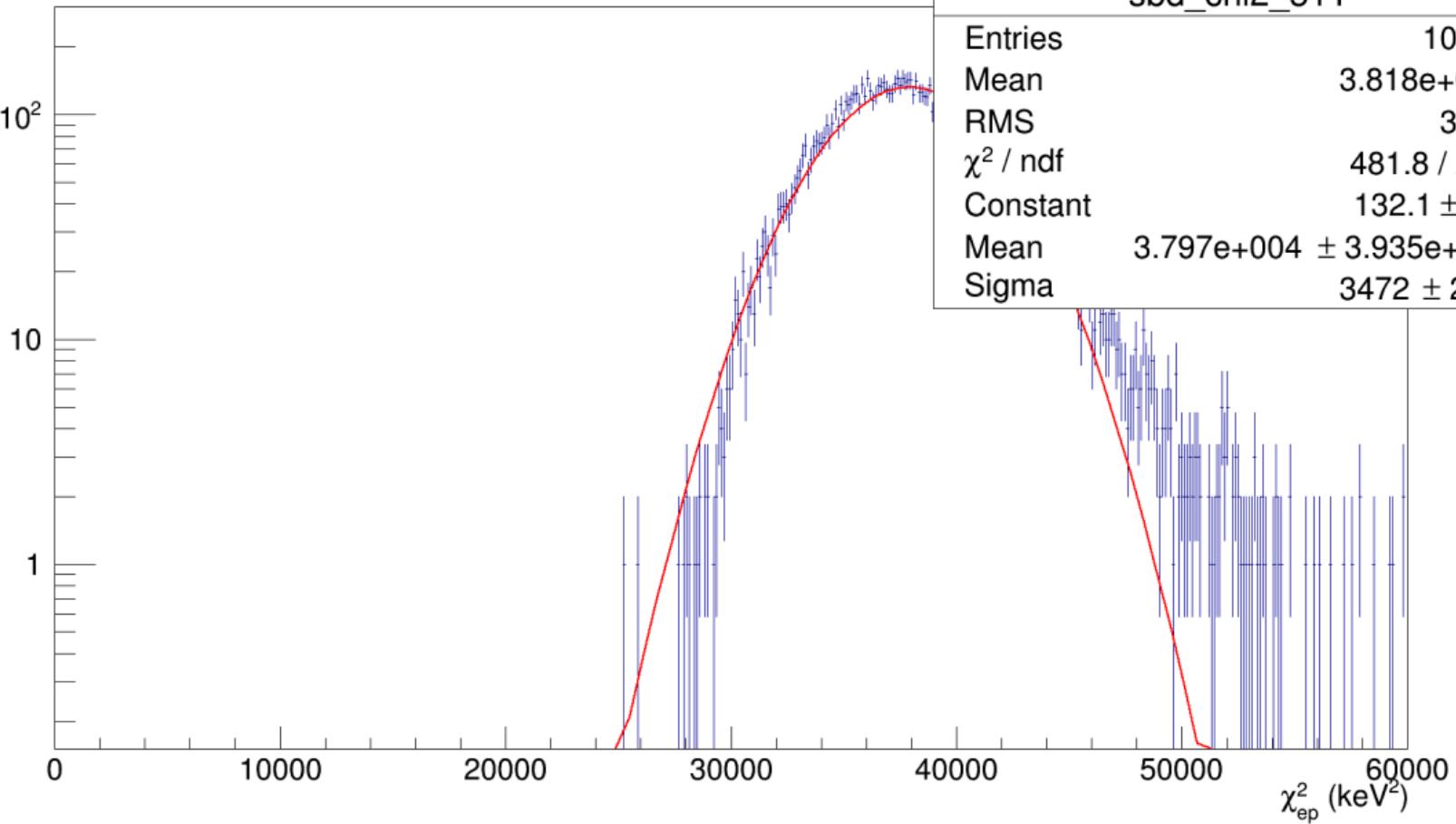
probability



sbd_chi2_510	
Entries	10018
Mean	3.815e+004
RMS	3887
χ^2 / ndf	370.5 / 234
Constant	133 ± 1.7
Mean	3.792e+004 ± 3.709e+001
Sigma	3457 ± 28.3

χ^2_{ep} from 511.00 keV to 512.00 keV

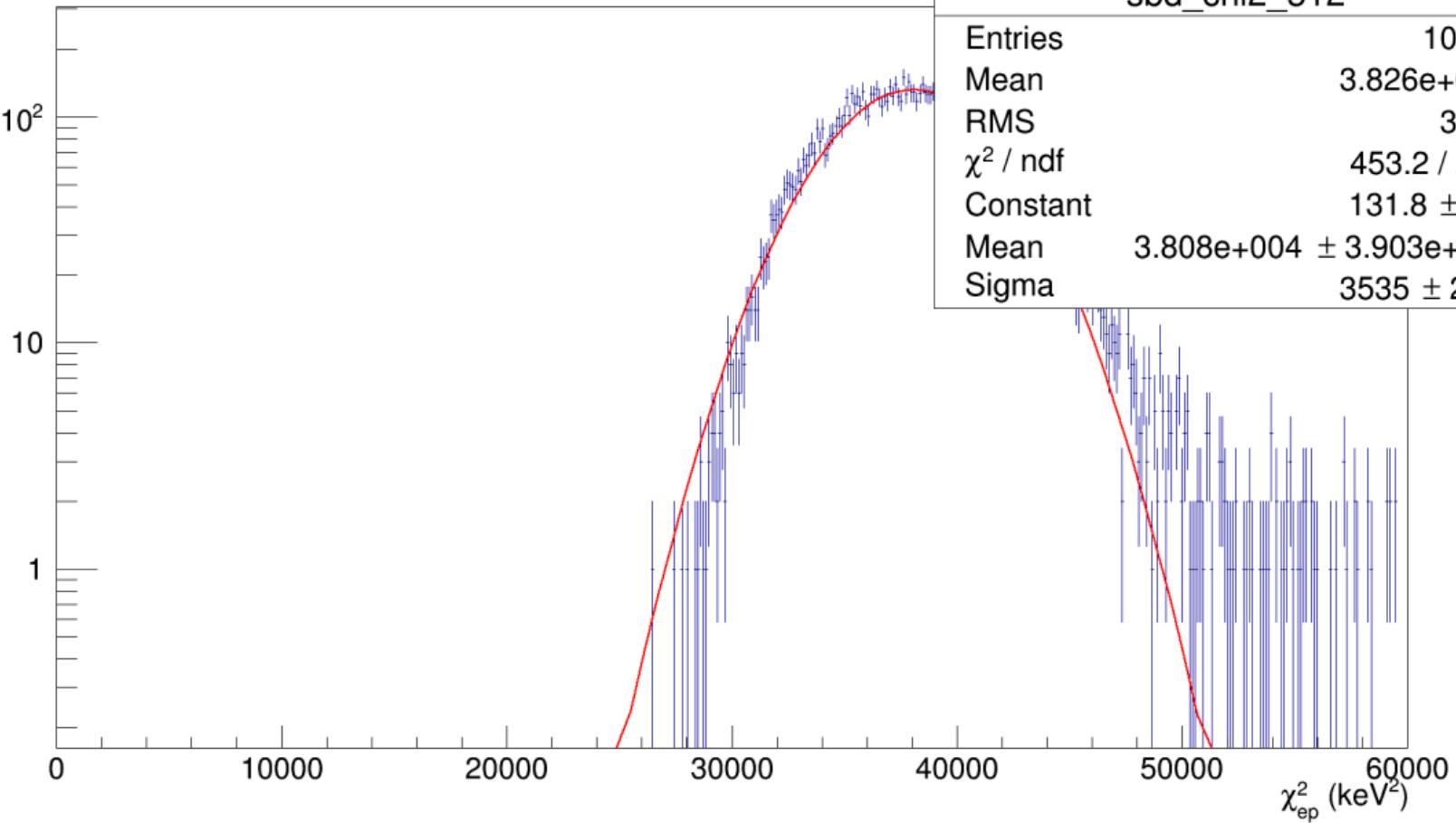
probability



sbd_chi2_511	
Entries	10085
Mean	3.818e+004
RMS	3870
χ^2 / ndf	481.8 / 226
Constant	132.1 ± 1.7
Mean	3.797e+004 ± 3.935e+001
Sigma	3472 ± 29.0

χ^2_{ep} from 512.00 keV to 513.00 keV

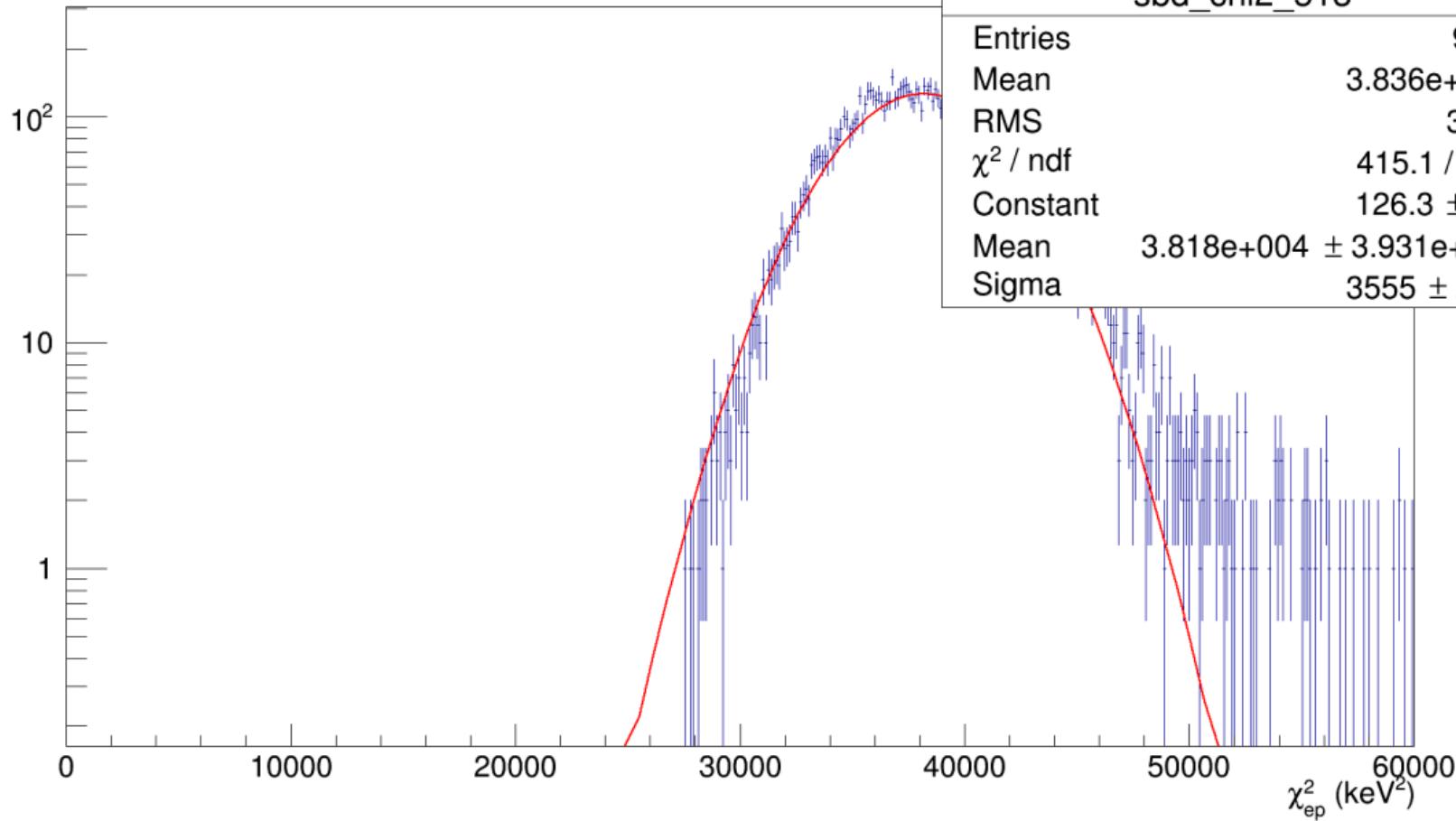
probability



sbd_chi2_512	
Entries	10213
Mean	3.826e+004
RMS	3962
χ^2 / ndf	453.2 / 232
Constant	131.8 ± 1.7
Mean	3.808e+004 ± 3.903e+001
Sigma	3535 ± 27.5

χ^2_{ep} from 513.00 keV to 514.00 keV

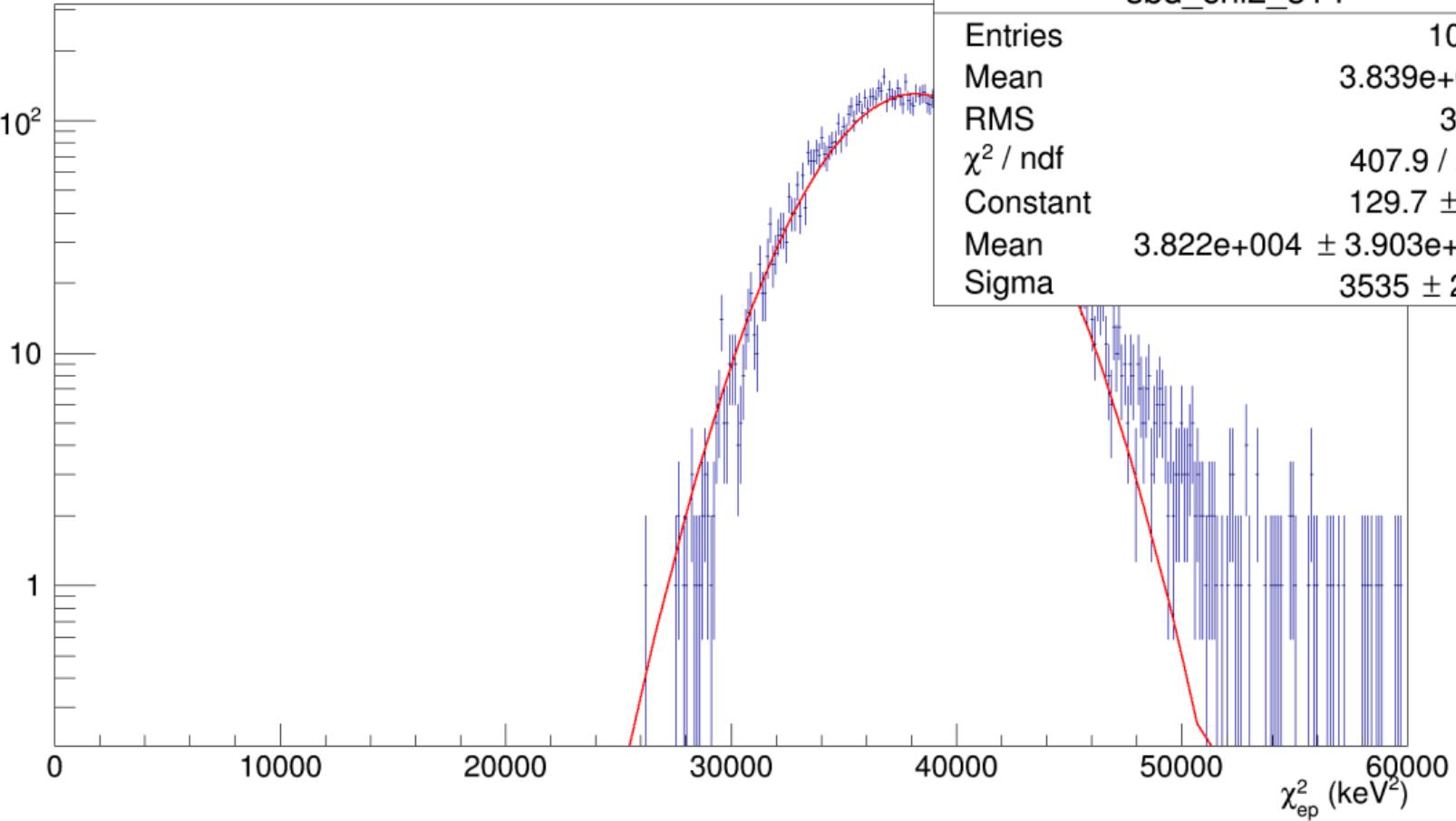
probability



sbd_chi2_513	
Entries	9841
Mean	3.836e+004
RMS	3909
χ^2 / ndf	415.1 / 228
Constant	126.3 ± 1.6
Mean	3.818e+004 ± 3.931e+001
Sigma	3555 ± 28.4

χ^2_{ep} from 514.00 keV to 515.00 keV

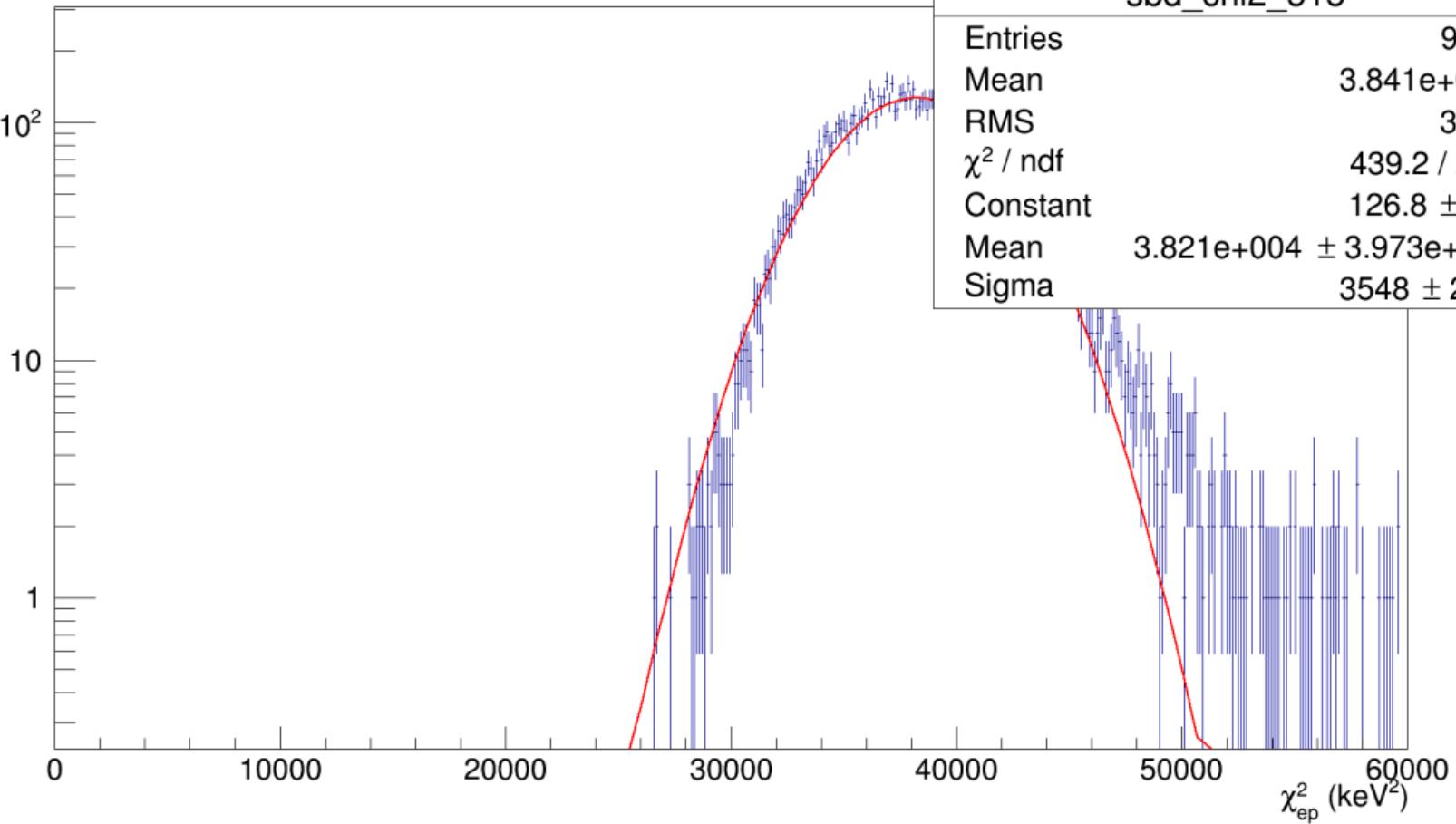
probability



sbd_chi2_514	
Entries	10031
Mean	3.839e+004
RMS	3918
χ^2 / ndf	407.9 / 235
Constant	129.7 ± 1.7
Mean	3.822e+004 ± 3.903e+001
Sigma	3535 ± 28.5

χ^2_{ep} from 515.00 keV to 516.00 keV

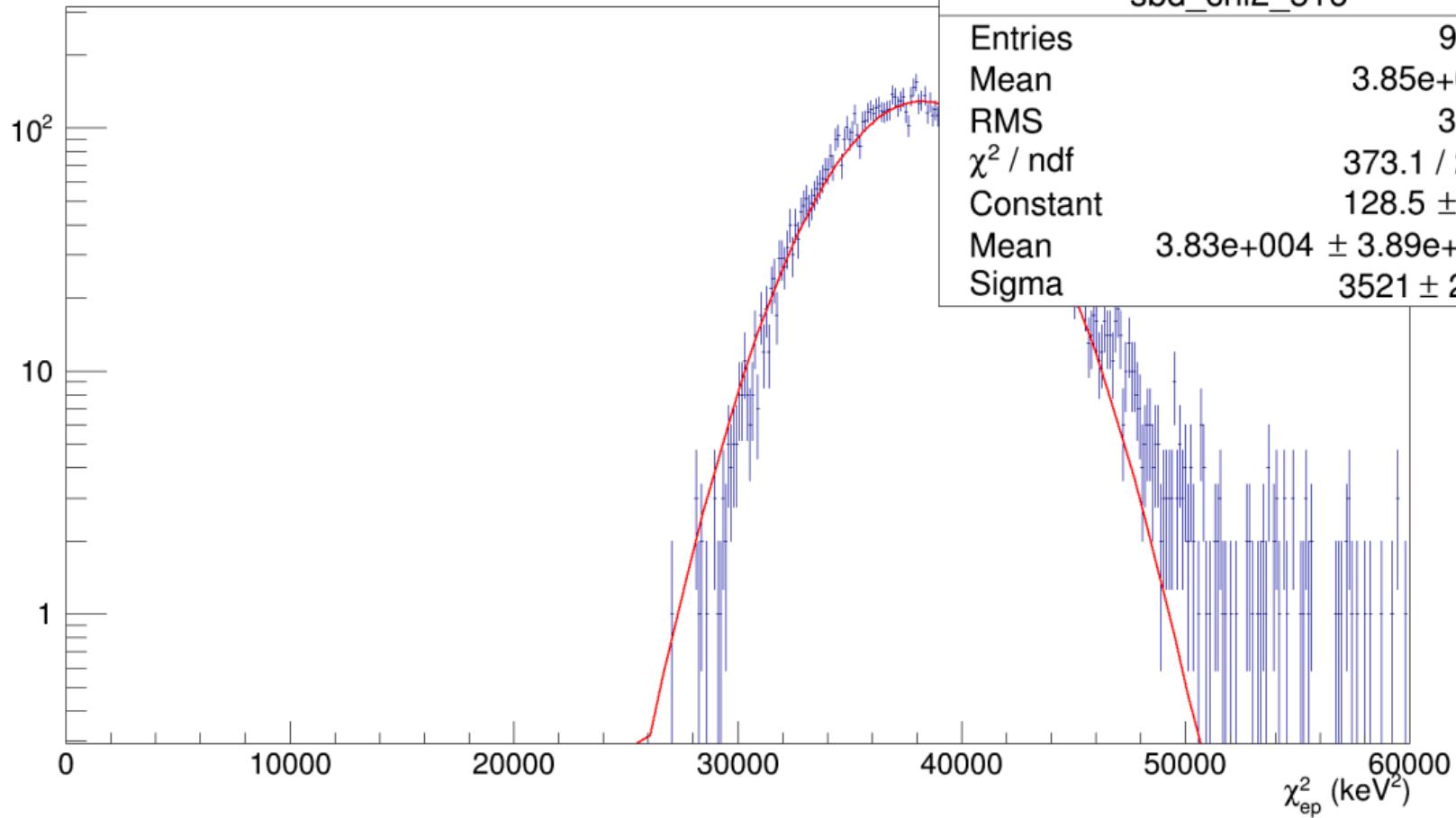
probability



sbd_chi2_515	
Entries	9872
Mean	3.841e+004
RMS	3972
χ^2 / ndf	439.2 / 239
Constant	126.8 ± 1.7
Mean	3.821e+004 ± 3.973e+001
Sigma	3548 ± 28.9

χ^2_{ep} from 516.00 keV to 517.00 keV

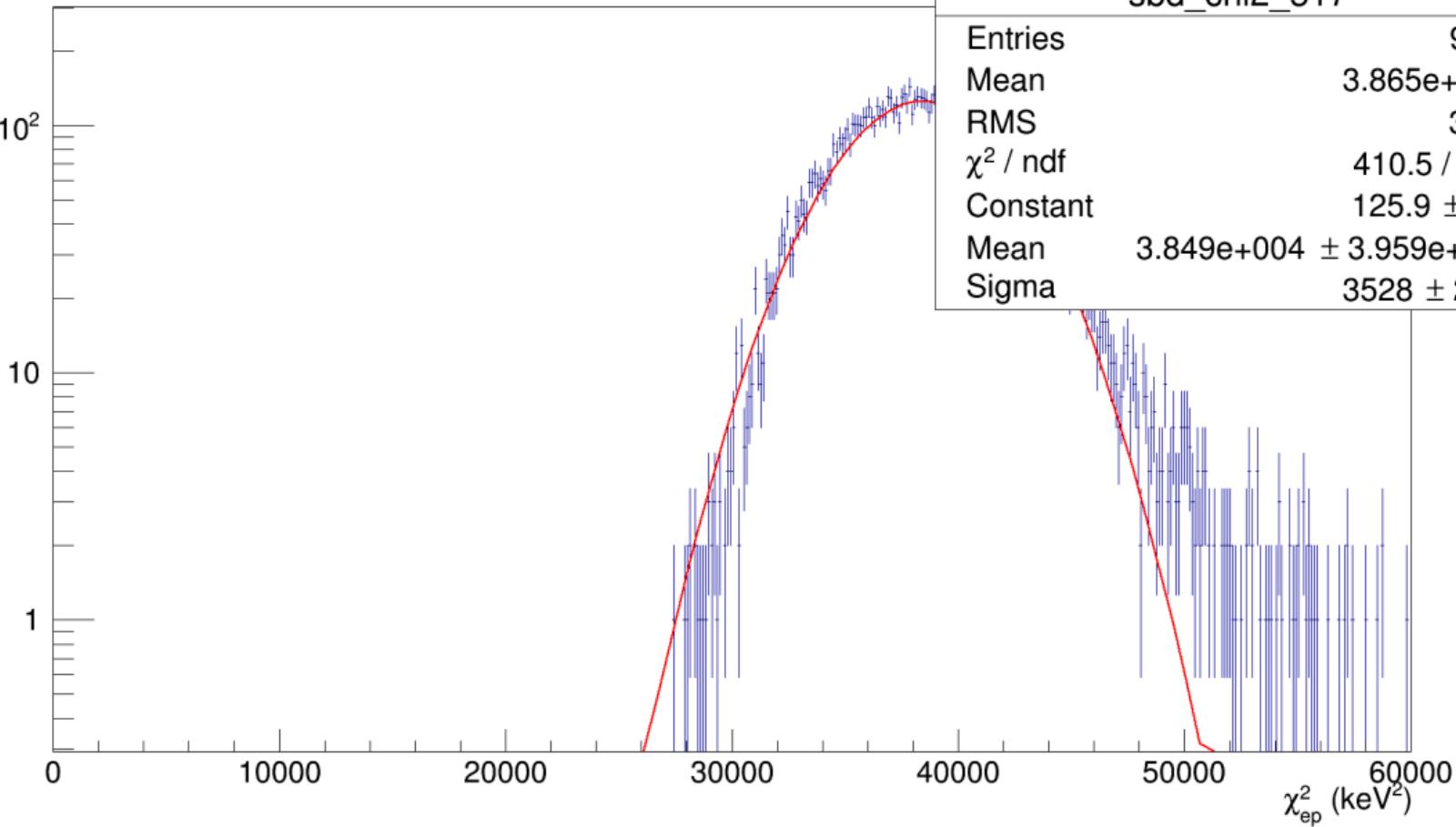
probability



sbd_chi2_516	
Entries	9860
Mean	3.85×10^4
RMS	3896
χ^2 / ndf	373.1 / 225
Constant	128.5 ± 1.7
Mean	$3.83 \times 10^4 \pm 3.89 \times 10^1$
Sigma	3521 ± 29.0

χ^2_{ep} from 517.00 keV to 518.00 keV

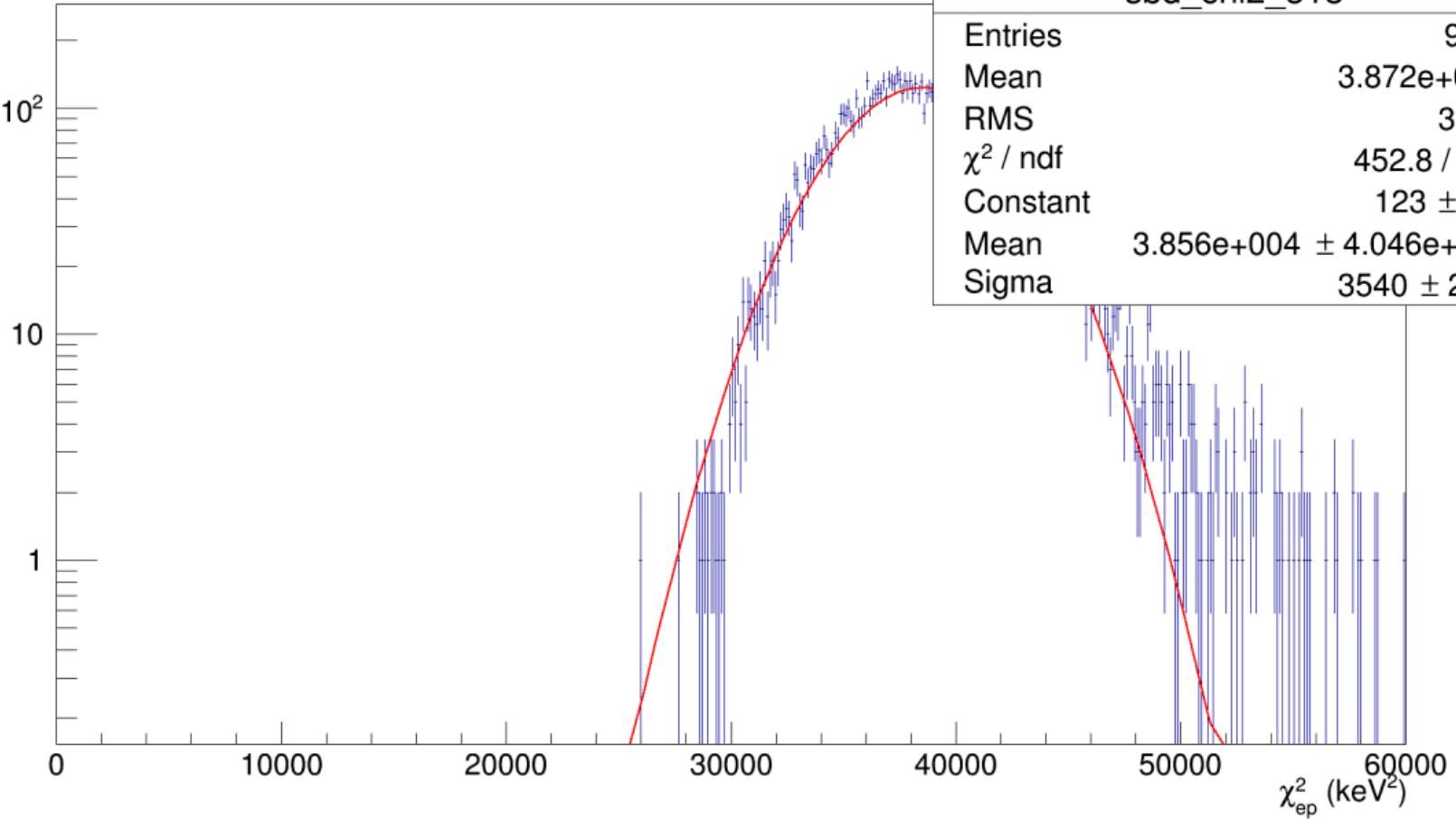
probability



sbd_chi2_517	
Entries	9731
Mean	3.865e+004
RMS	3911
χ^2 / ndf	410.5 / 228
Constant	125.9 ± 1.6
Mean	3.849e+004 ± 3.959e+001
Sigma	3528 ± 28.4

χ^2_{ep} from 518.00 keV to 519.00 keV

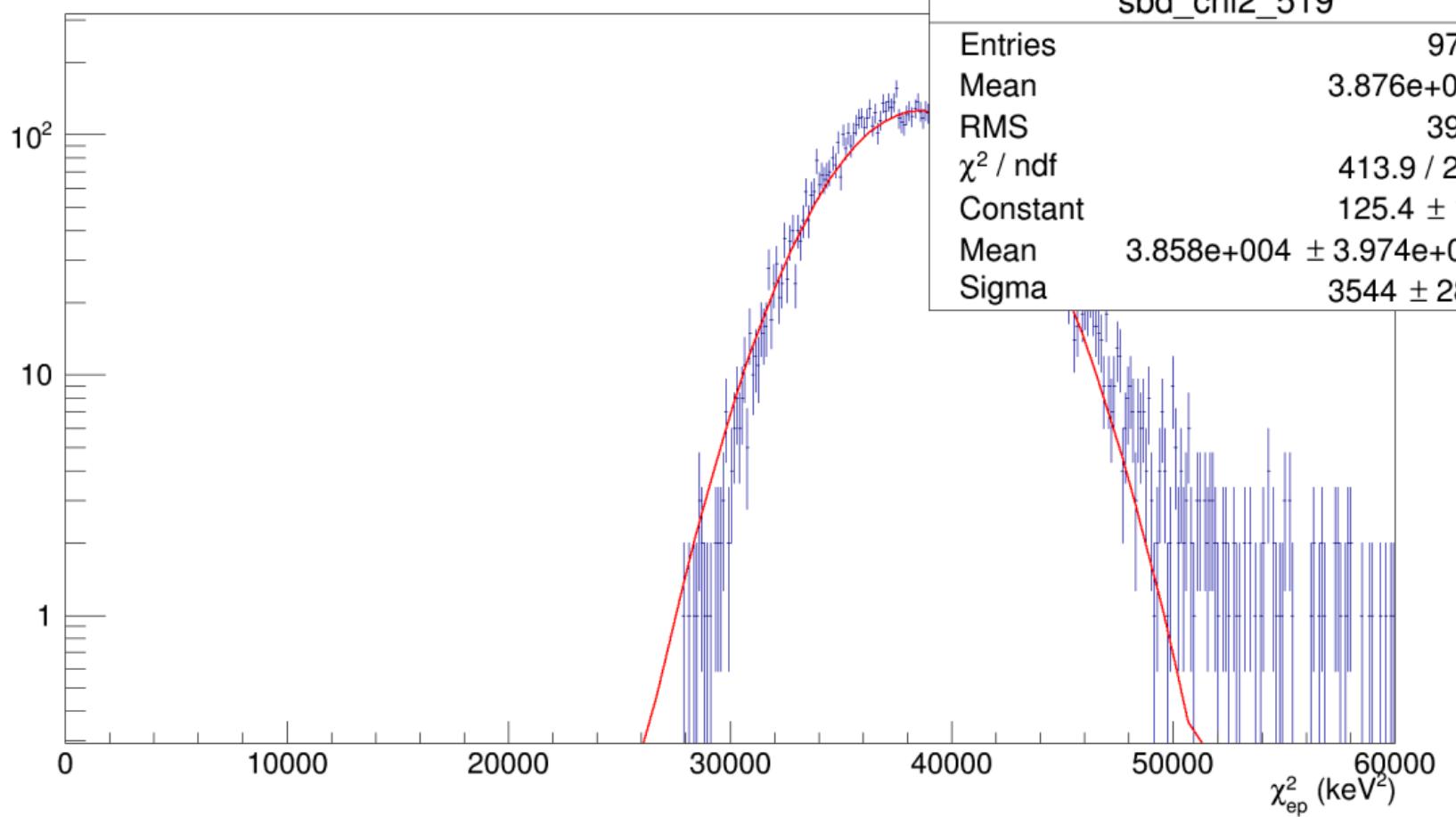
probability



sbd_chi2_518	
Entries	9581
Mean	3.872e+004
RMS	3910
χ^2 / ndf	452.8 / 221
Constant	123 ± 1.6
Mean	3.856e+004 ± 4.046e+001
Sigma	3540 ± 28.4

χ^2_{ep} from 519.00 keV to 520.00 keV

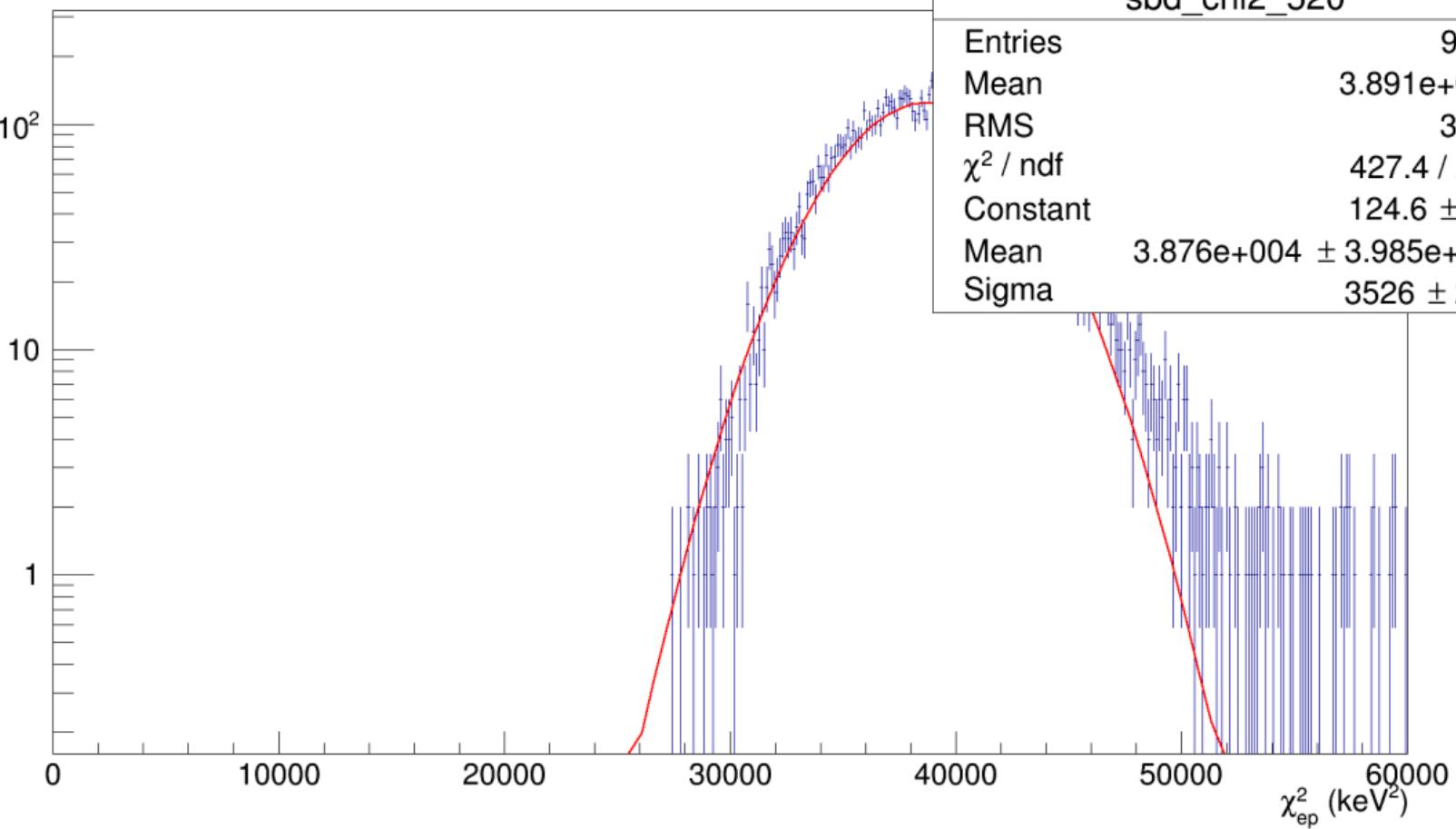
probability



sbd_chi2_519	
Entries	9719
Mean	3.876e+004
RMS	3939
χ^2 / ndf	413.9 / 232
Constant	125.4 ± 1.6
Mean	3.858e+004 ± 3.974e+001
Sigma	3544 ± 28.5

χ^2_{ep} from 520.00 keV to 521.00 keV

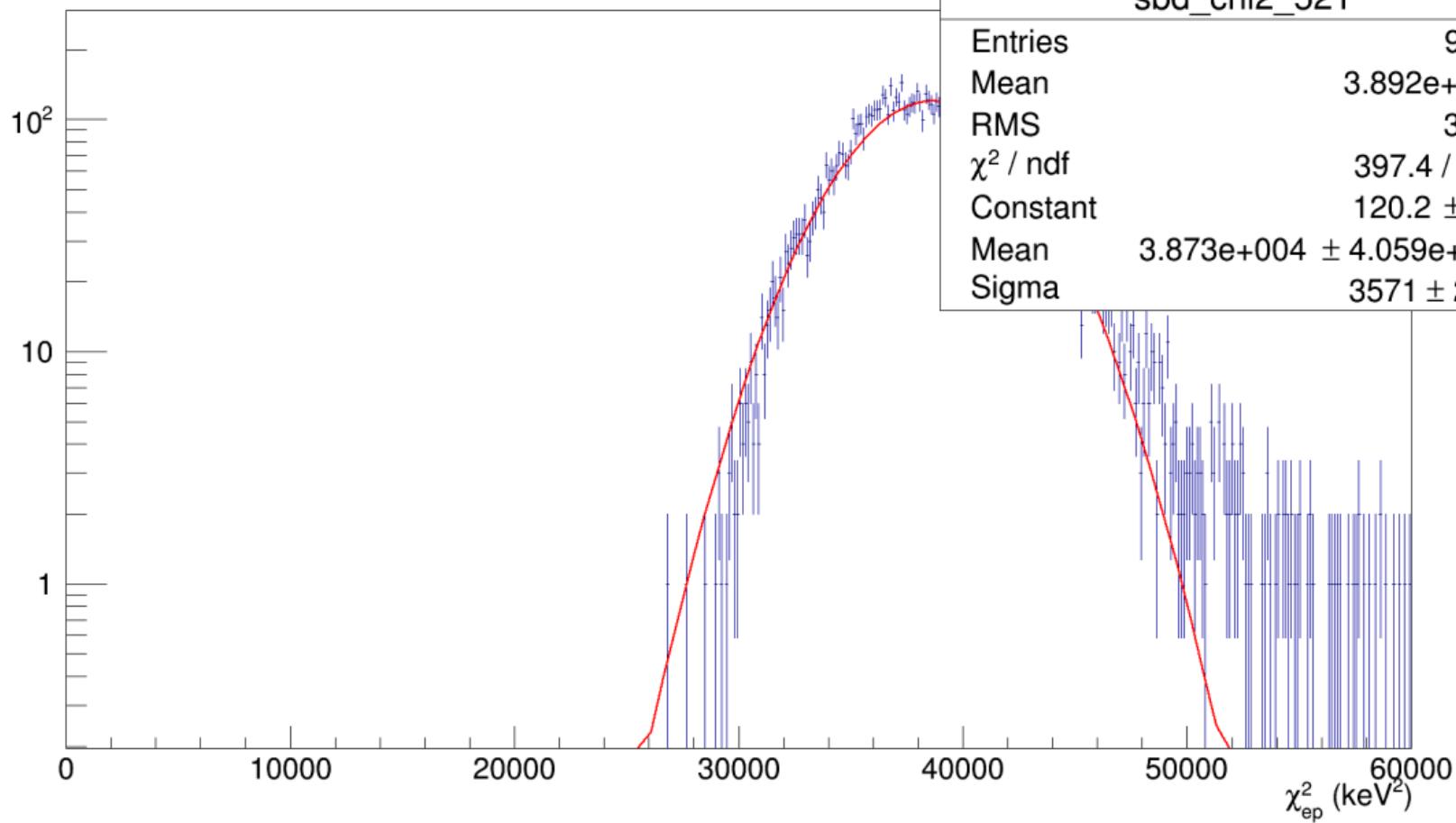
probability



sbd_chi2_520	
Entries	9636
Mean	3.891e+004
RMS	3926
χ^2 / ndf	427.4 / 233
Constant	124.6 ± 1.6
Mean	3.876e+004 ± 3.985e+001
Sigma	3526 ± 29.1

χ^2_{ep} from 521.00 keV to 522.00 keV

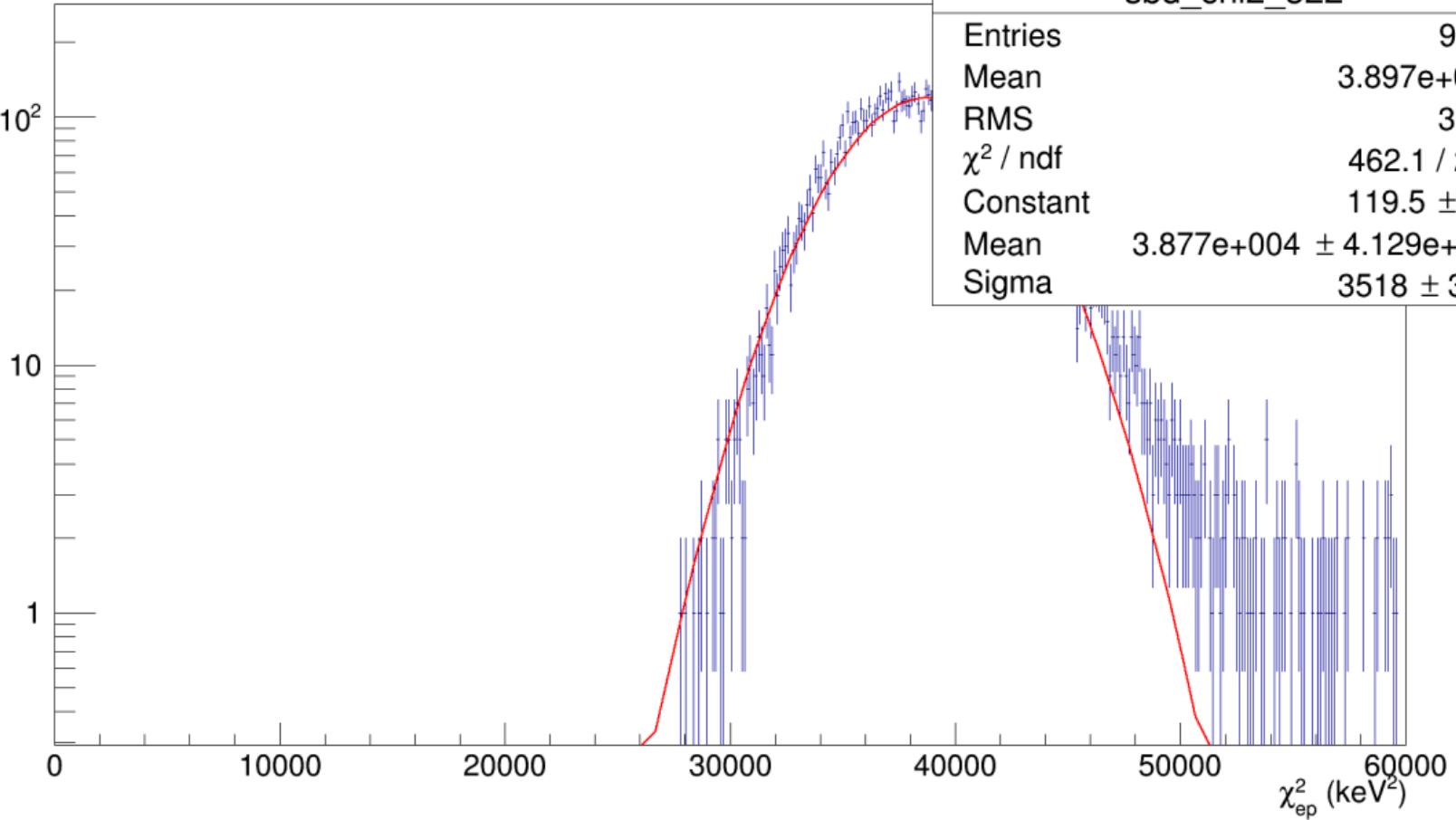
probability



sbd_chi2_521	
Entries	9389
Mean	3.892e+004
RMS	3946
χ^2 / ndf	397.4 / 230
Constant	120.2 ± 1.6
Mean	3.873e+004 ± 4.059e+001
Sigma	3571 ± 29.9

χ^2_{ep} from 522.00 keV to 523.00 keV

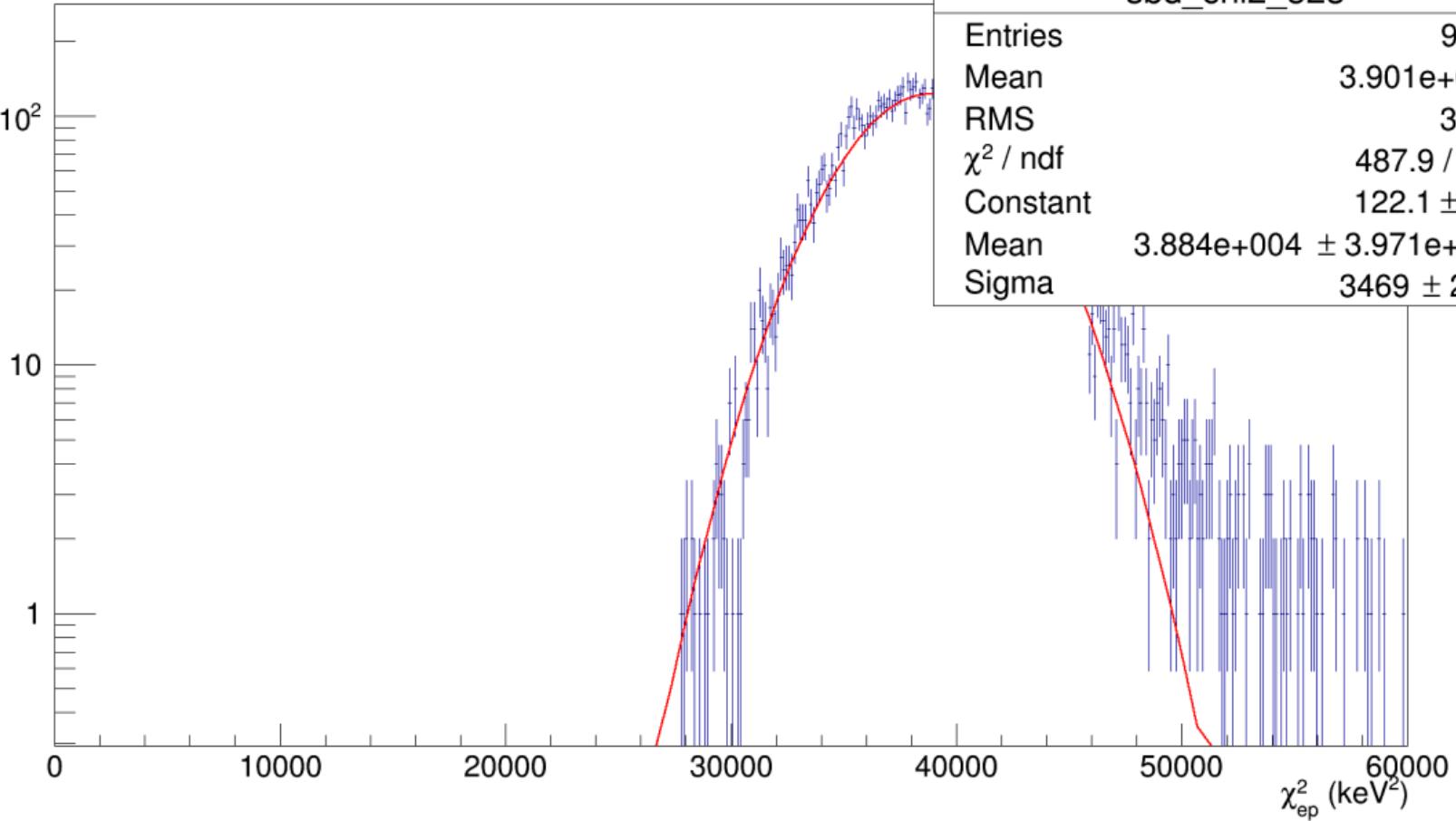
probability



sbd_chi2_522	
Entries	9266
Mean	3.897e+004
RMS	3999
χ^2 / ndf	462.1 / 235
Constant	119.5 ± 1.6
Mean	3.877e+004 ± 4.129e+001
Sigma	3518 ± 30.3

χ^2_{ep} from 523.00 keV to 524.00 keV

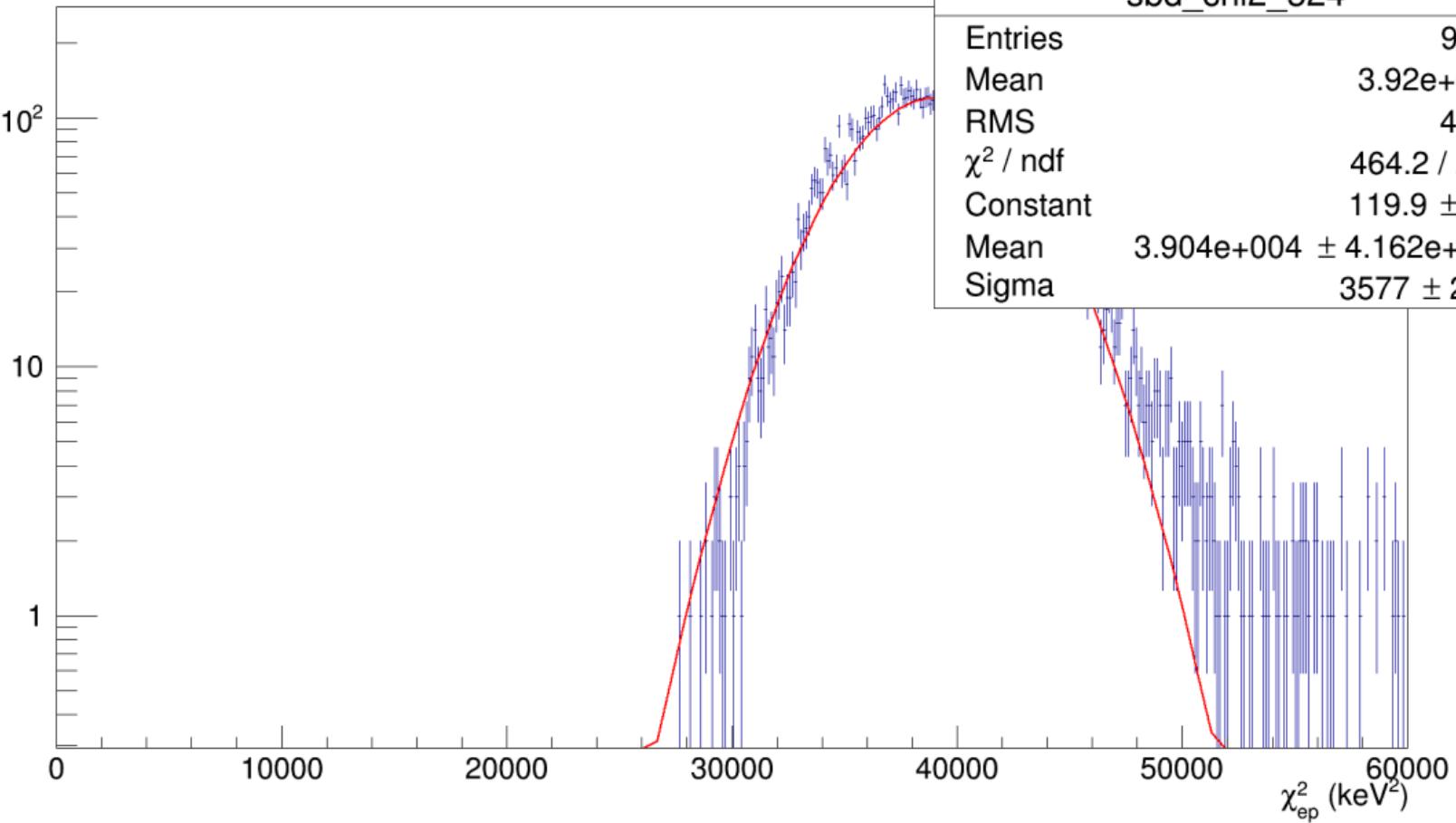
probability



sbd_chi2_523	
Entries	9382
Mean	3.901e+004
RMS	3967
χ^2 / ndf	487.9 / 231
Constant	122.1 ± 1.6
Mean	3.884e+004 ± 3.971e+001
Sigma	3469 ± 28.0

χ^2_{ep} from 524.00 keV to 525.00 keV

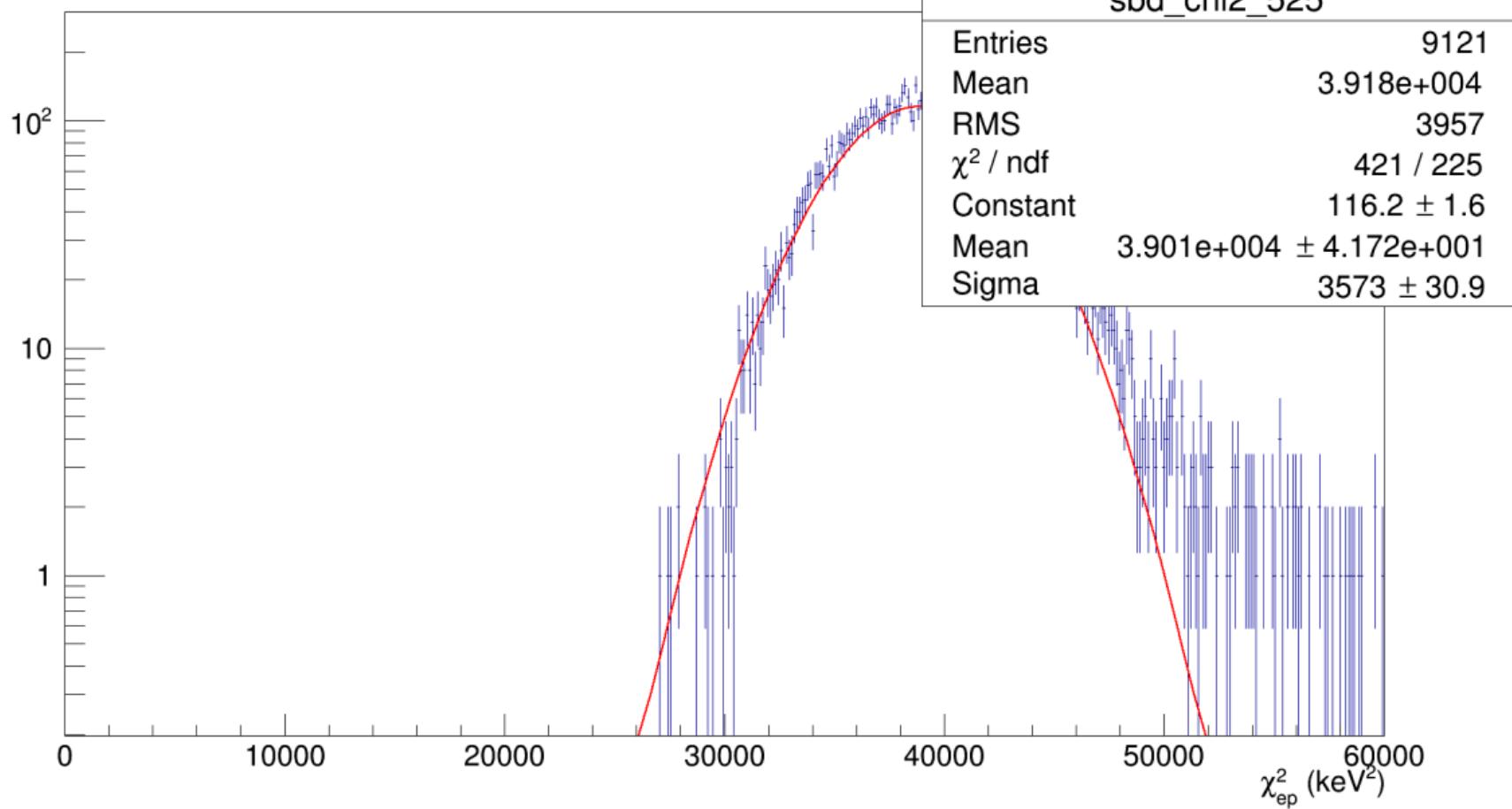
probability



sbd_chi2_524	
Entries	9450
Mean	3.92e+004
RMS	4004
χ^2 / ndf	464.2 / 232
Constant	119.9 ± 1.6
Mean	3.904e+004 ± 4.162e+001
Sigma	3577 ± 29.7

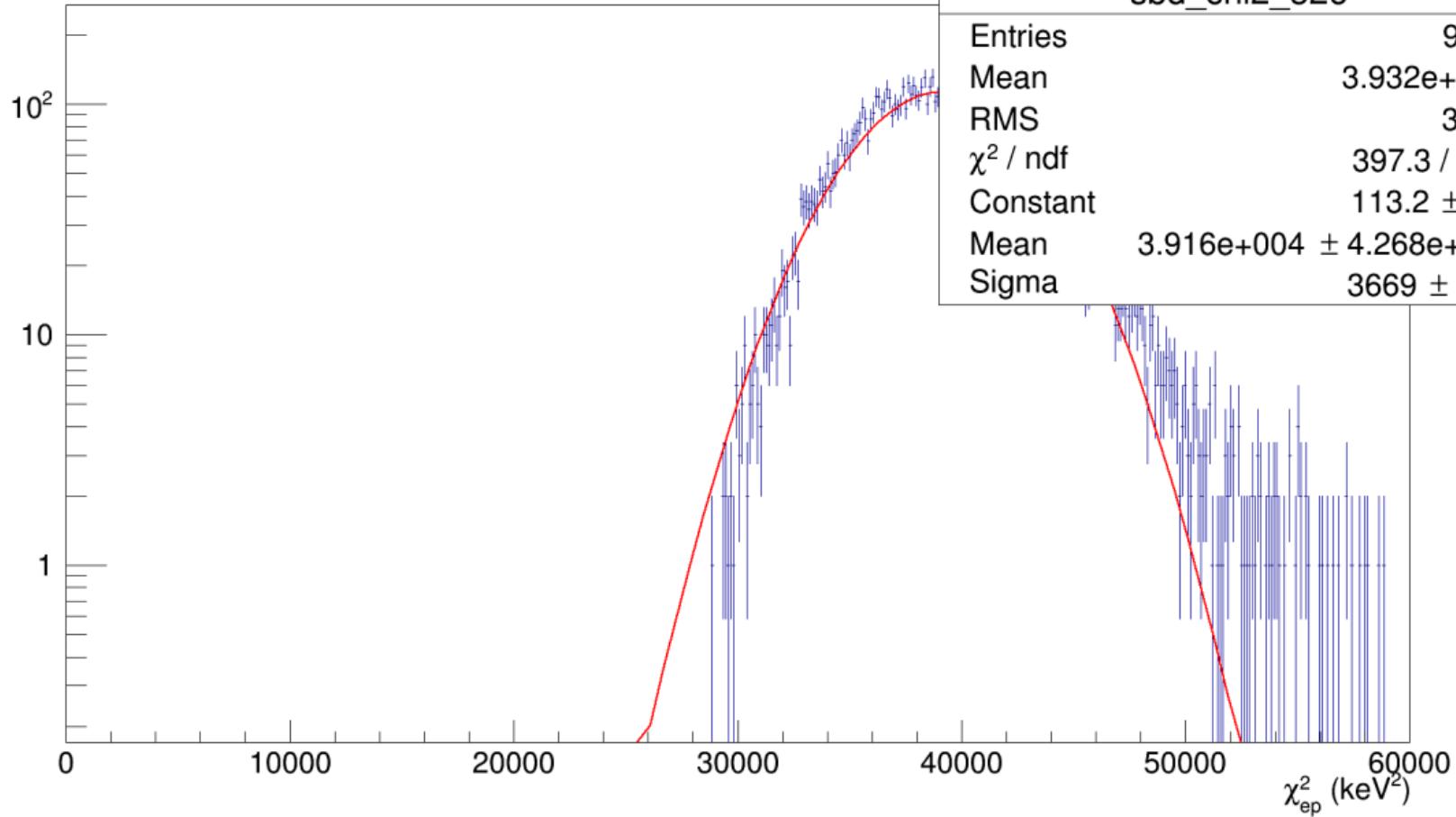
χ^2_{ep} from 525.00 keV to 526.00 keV

probability



χ^2_{ep} from 526.00 keV to 527.00 keV

probability

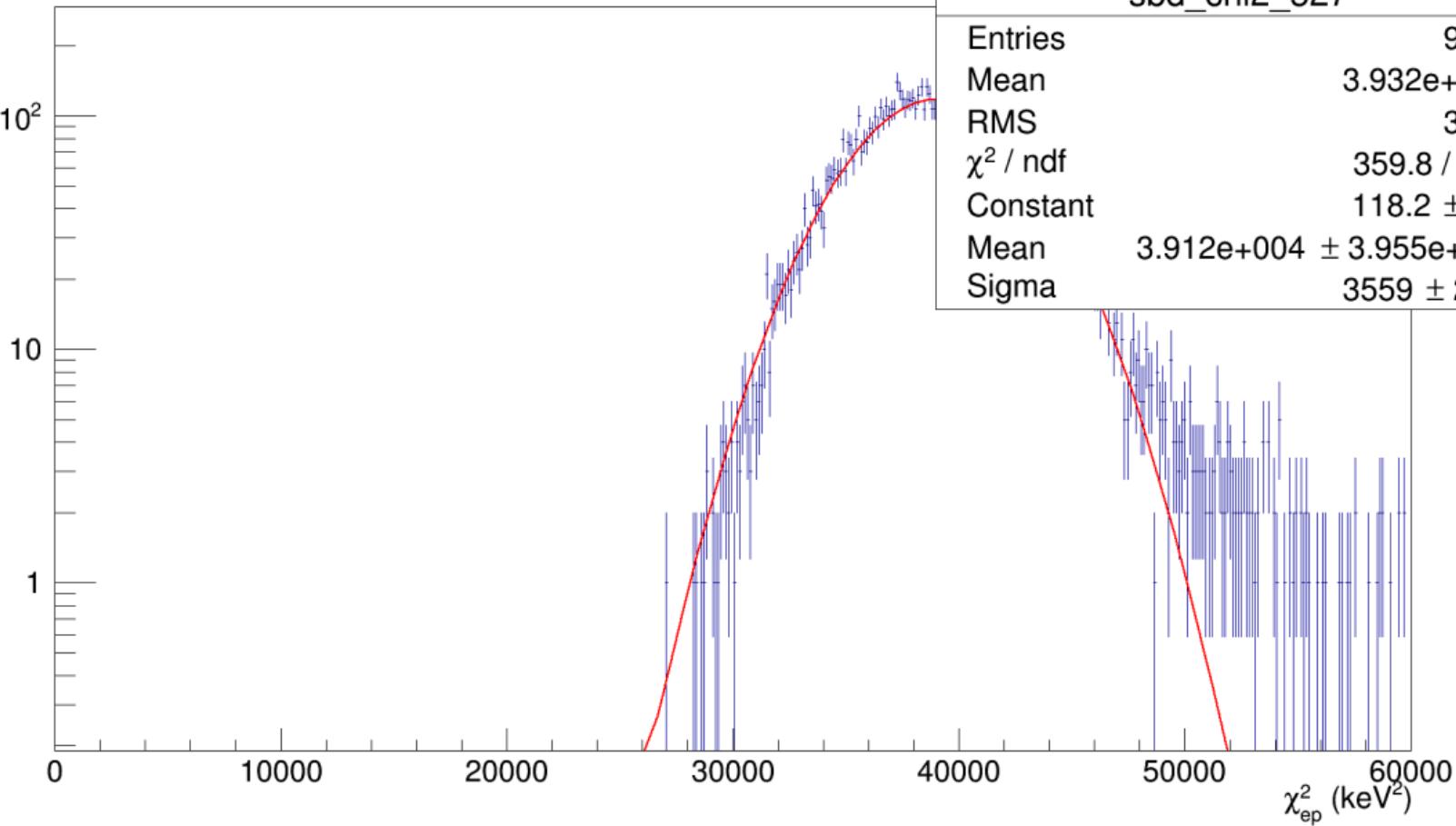


sbd_chi2_526	
Entries	9093
Mean	3.932e+004
RMS	3989
χ^2 / ndf	397.3 / 223
Constant	113.2 ± 1.6
Mean	3.916e+004 ± 4.268e+001
Sigma	3669 ± 32.1

χ^2_{ep} from 527.00 keV to 528.00 keV

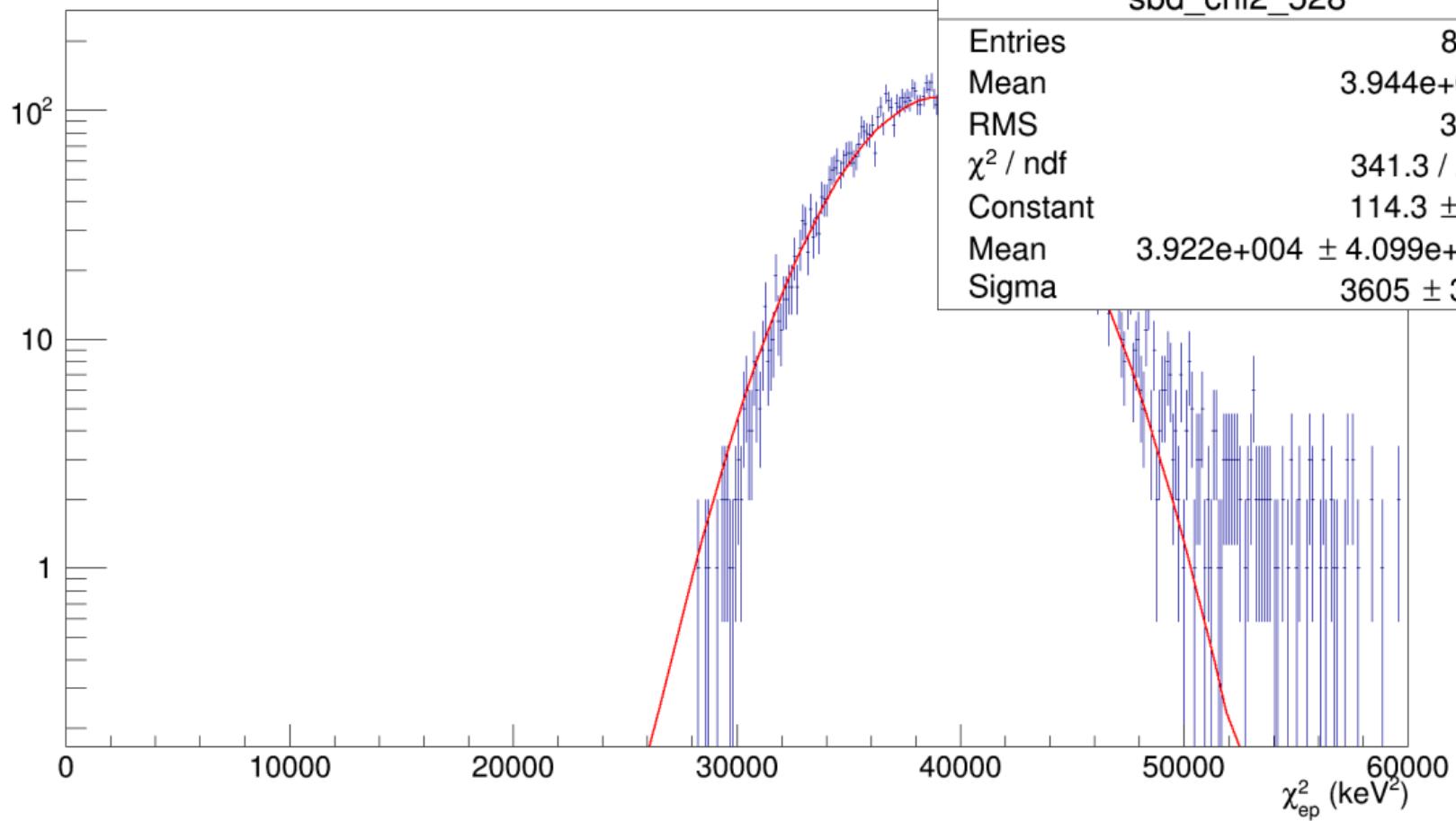
probability

sbd_chi2_527	
Entries	9197
Mean	3.932e+004
RMS	3950
χ^2 / ndf	359.8 / 233
Constant	118.2 ± 1.6
Mean	3.912e+004 ± 3.955e+001
Sigma	3559 ± 28.8



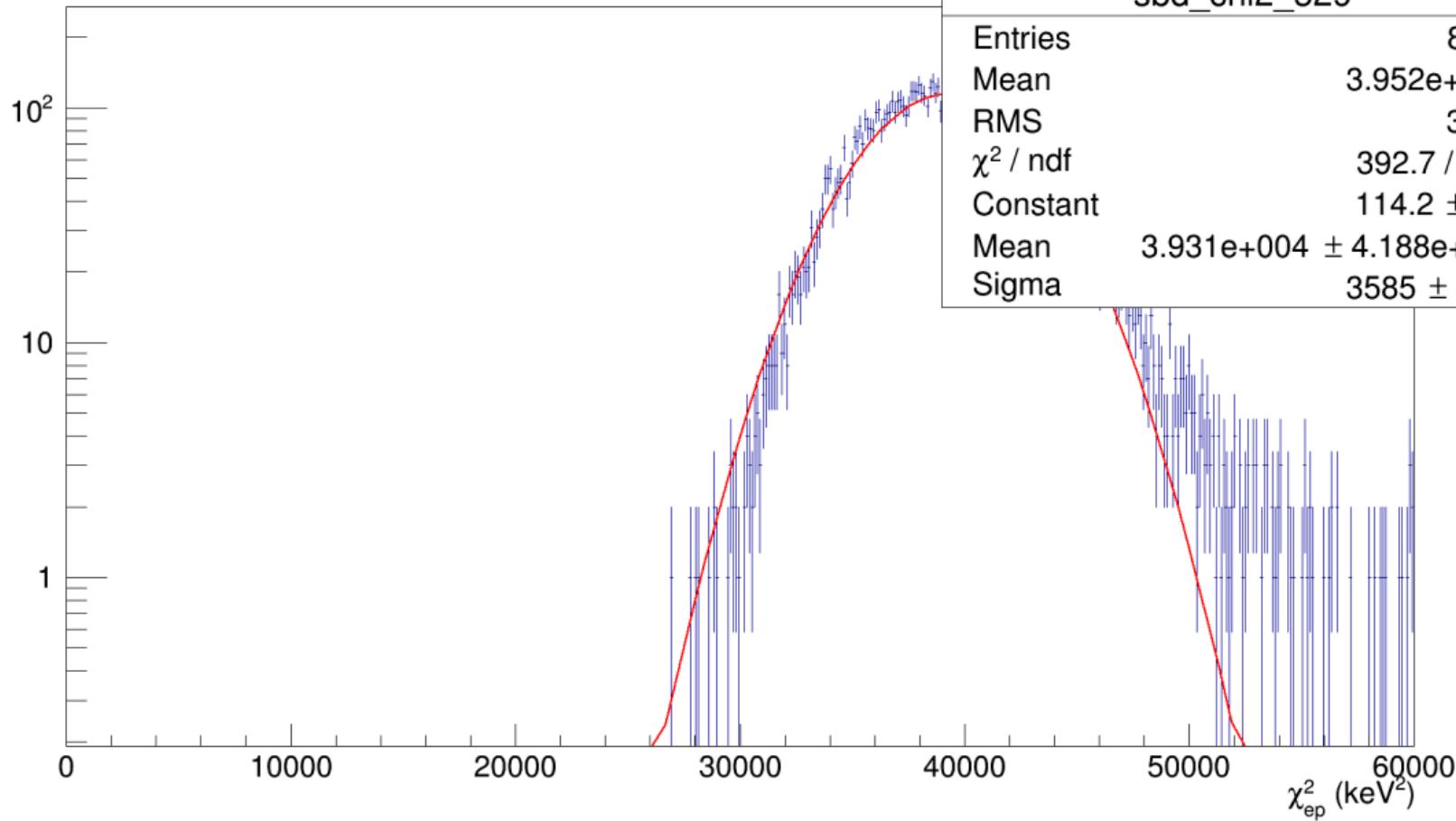
χ^2_{ep} from 528.00 keV to 529.00 keV

probability



χ^2_{ep} from 529.00 keV to 530.00 keV

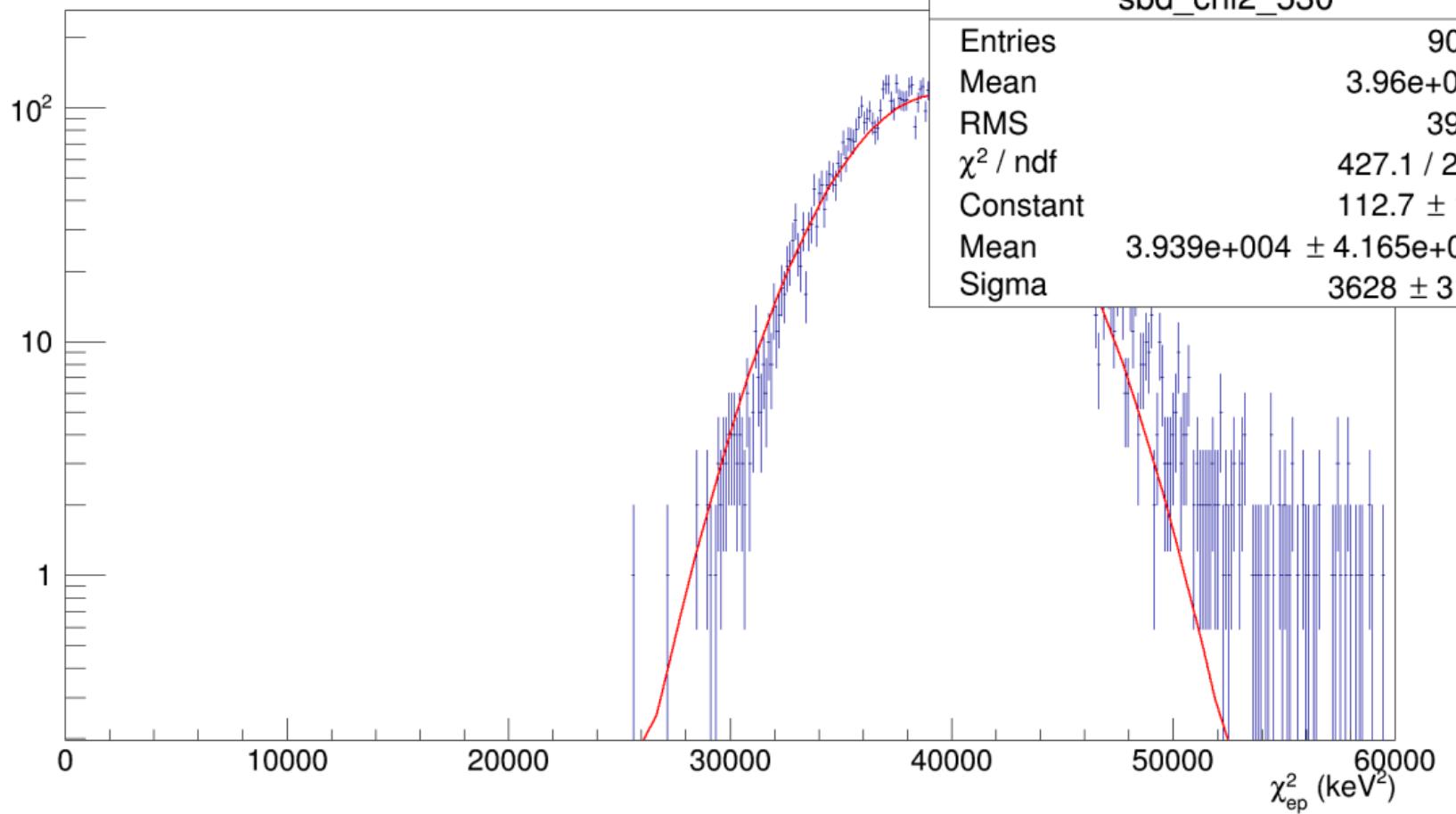
probability



sbd_chi2_529	
Entries	8972
Mean	3.952e+004
RMS	3954
χ^2 / ndf	392.7 / 228
Constant	114.2 ± 1.6
Mean	3.931e+004 ± 4.188e+001
Sigma	3585 ± 31.6

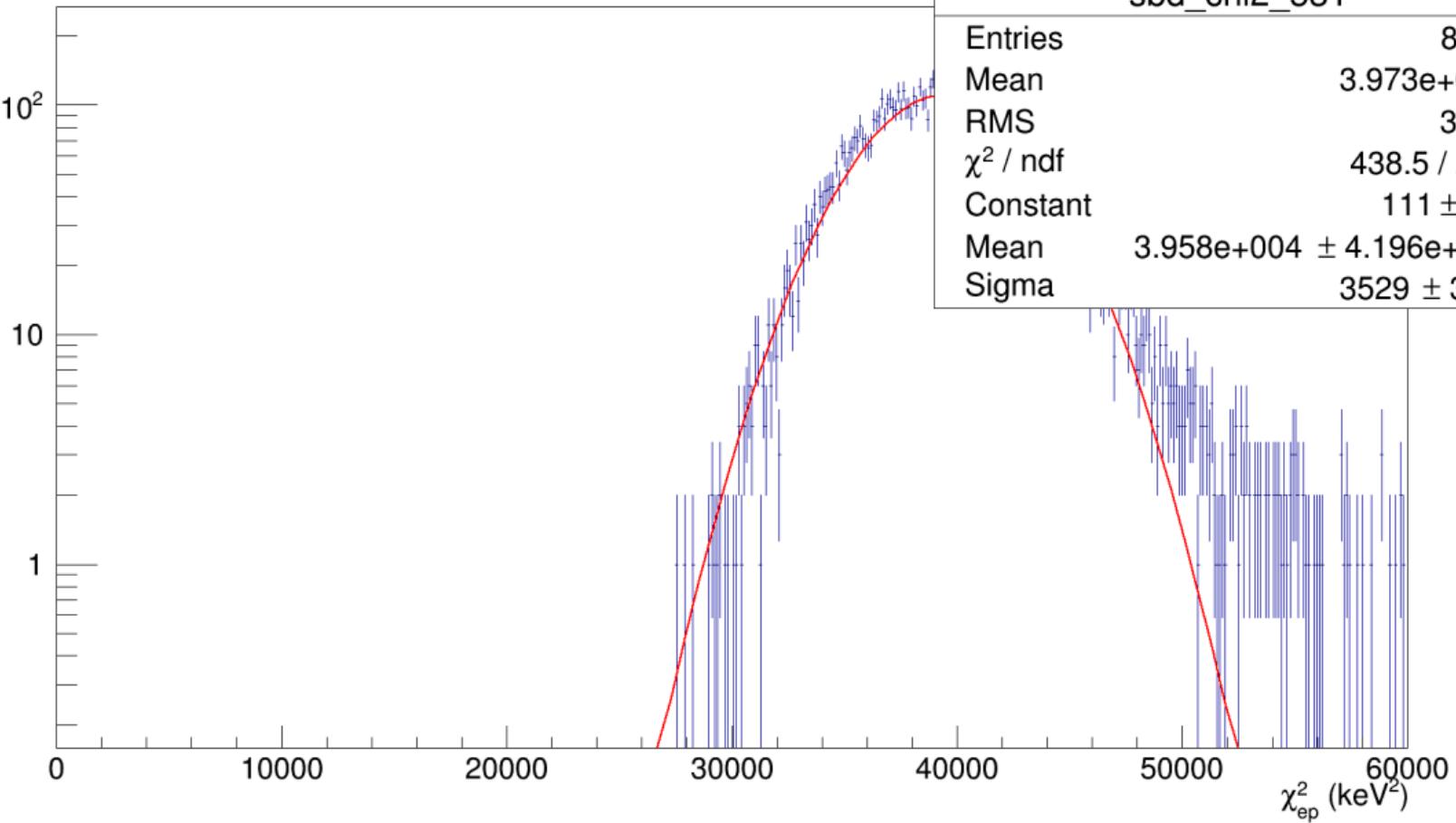
χ^2_{ep} from 530.00 keV to 531.00 keV

probability



χ^2_{ep} from 531.00 keV to 532.00 keV

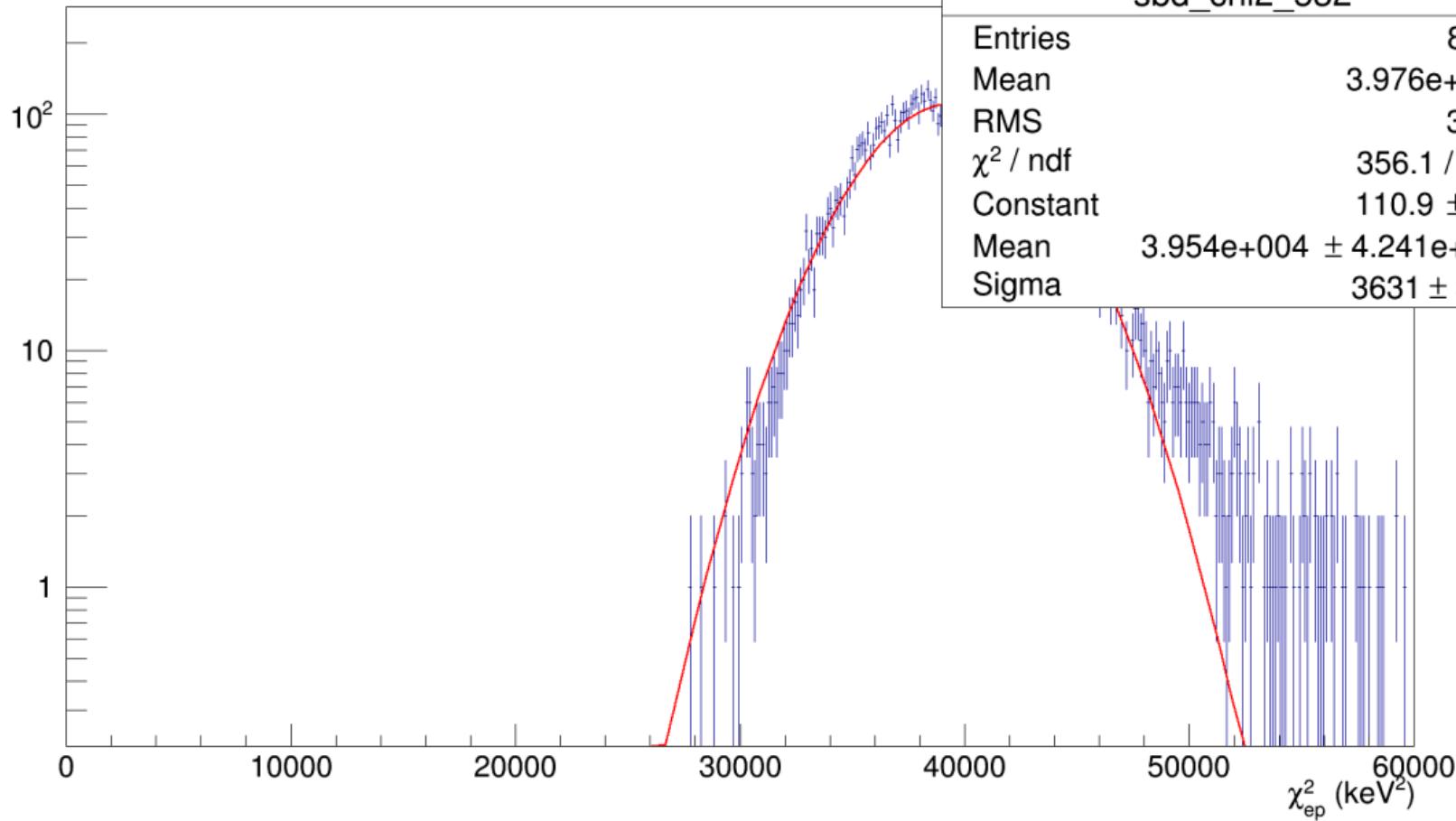
probability



sbd_chi2_531	
Entries	8662
Mean	3.973e+004
RMS	3984
χ^2 / ndf	438.5 / 232
Constant	111 ± 1.5
Mean	3.958e+004 ± 4.196e+001
Sigma	3529 ± 30.2

χ^2_{ep} from 532.00 keV to 533.00 keV

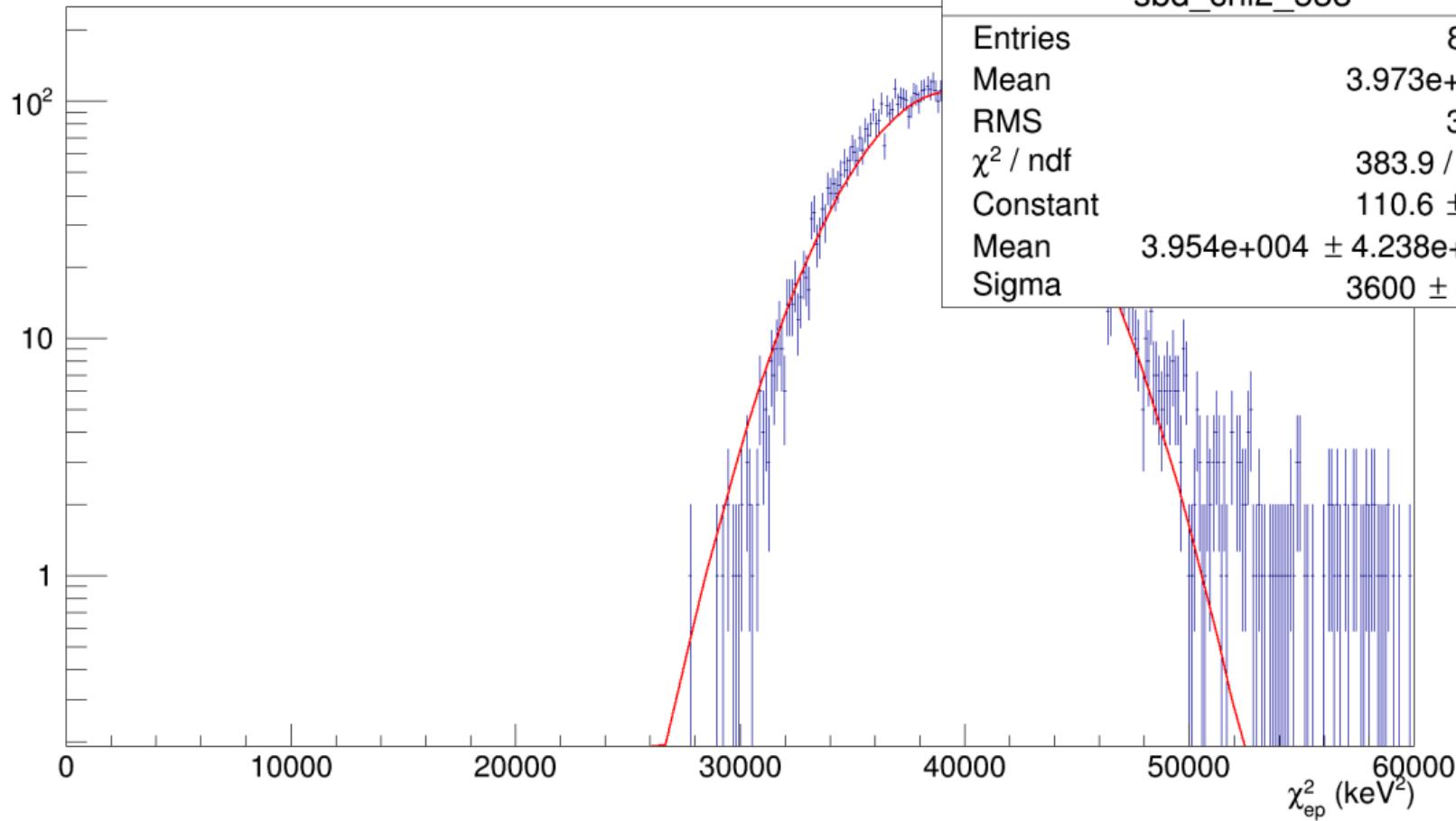
probability



sbd_chi2_532	
Entries	8785
Mean	3.976e+004
RMS	3995
χ^2 / ndf	356.1 / 230
Constant	110.9 ± 1.6
Mean	3.954e+004 ± 4.241e+001
Sigma	3631 ± 32.6

χ^2_{ep} from 533.00 keV to 534.00 keV

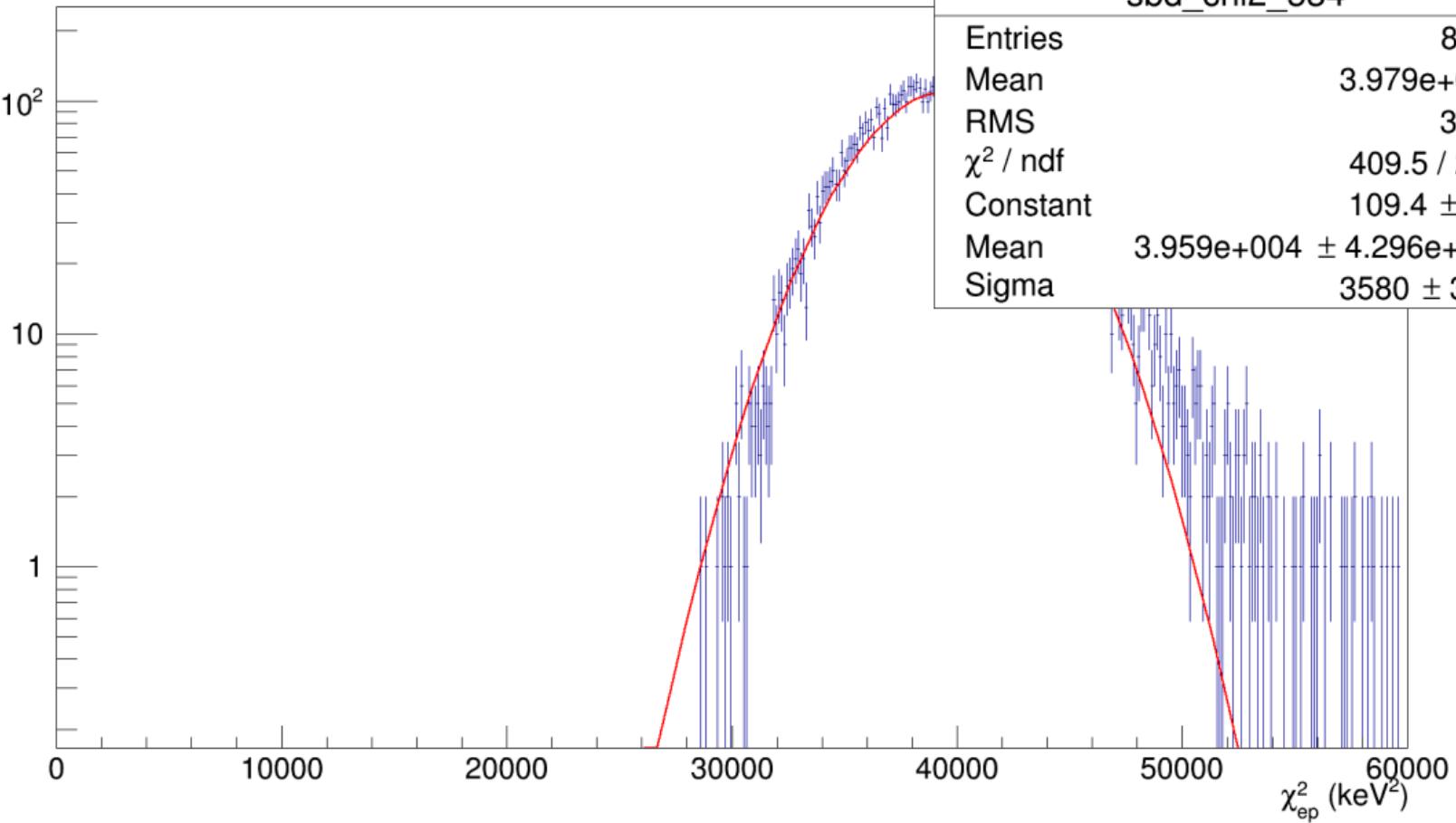
probability



sbd_chi2_533	
Entries	8723
Mean	3.973e+004
RMS	3984
χ^2 / ndf	383.9 / 234
Constant	110.6 ± 1.5
Mean	3.954e+004 ± 4.238e+001
Sigma	3600 ± 30.2

χ^2_{ep} from 534.00 keV to 535.00 keV

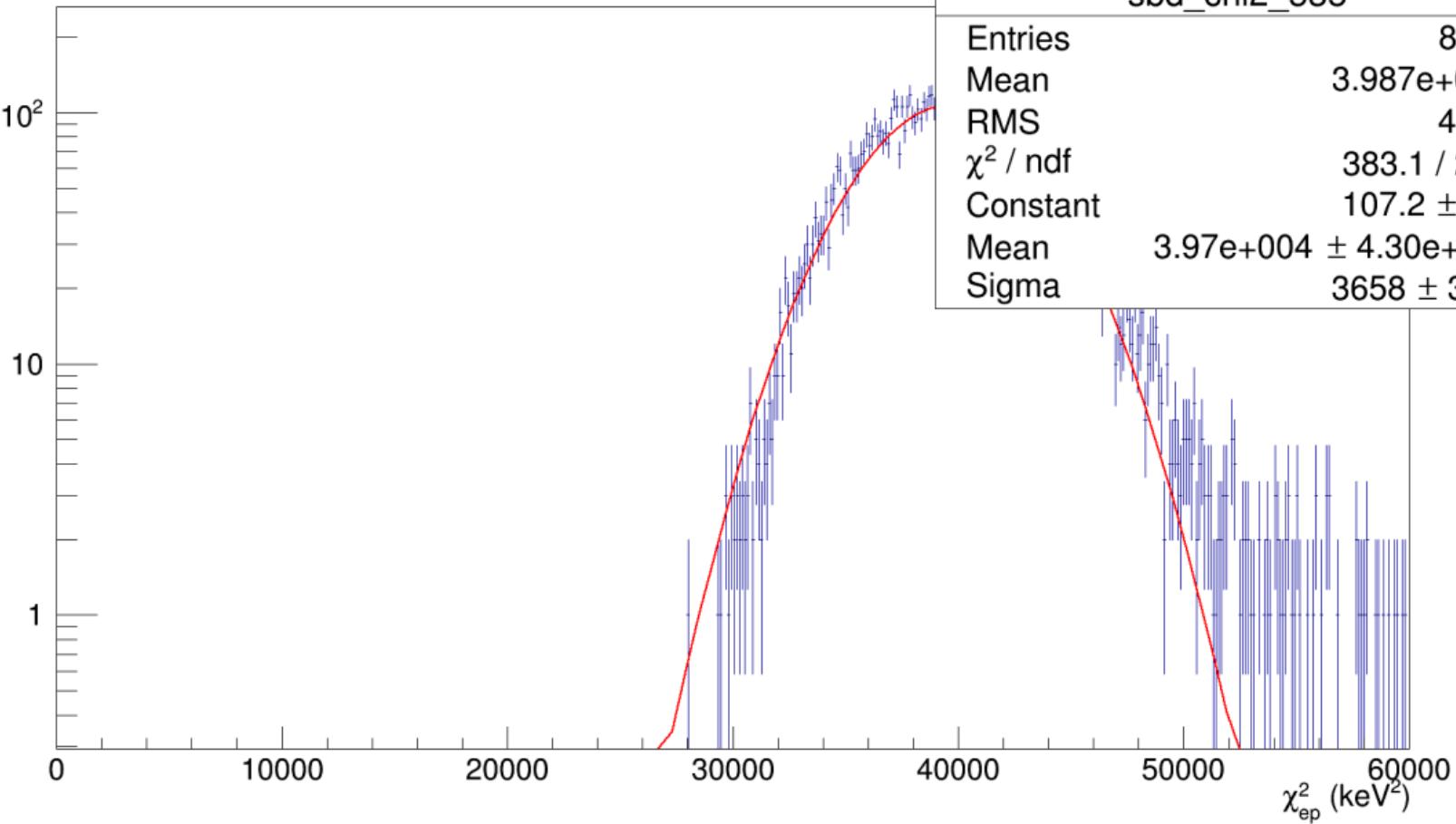
probability



sbd_chi2_534	
Entries	8618
Mean	3.979e+004
RMS	3976
χ^2 / ndf	409.5 / 227
Constant	109.4 ± 1.5
Mean	3.959e+004 ± 4.296e+001
Sigma	3580 ± 31.8

χ^2_{ep} from 535.00 keV to 536.00 keV

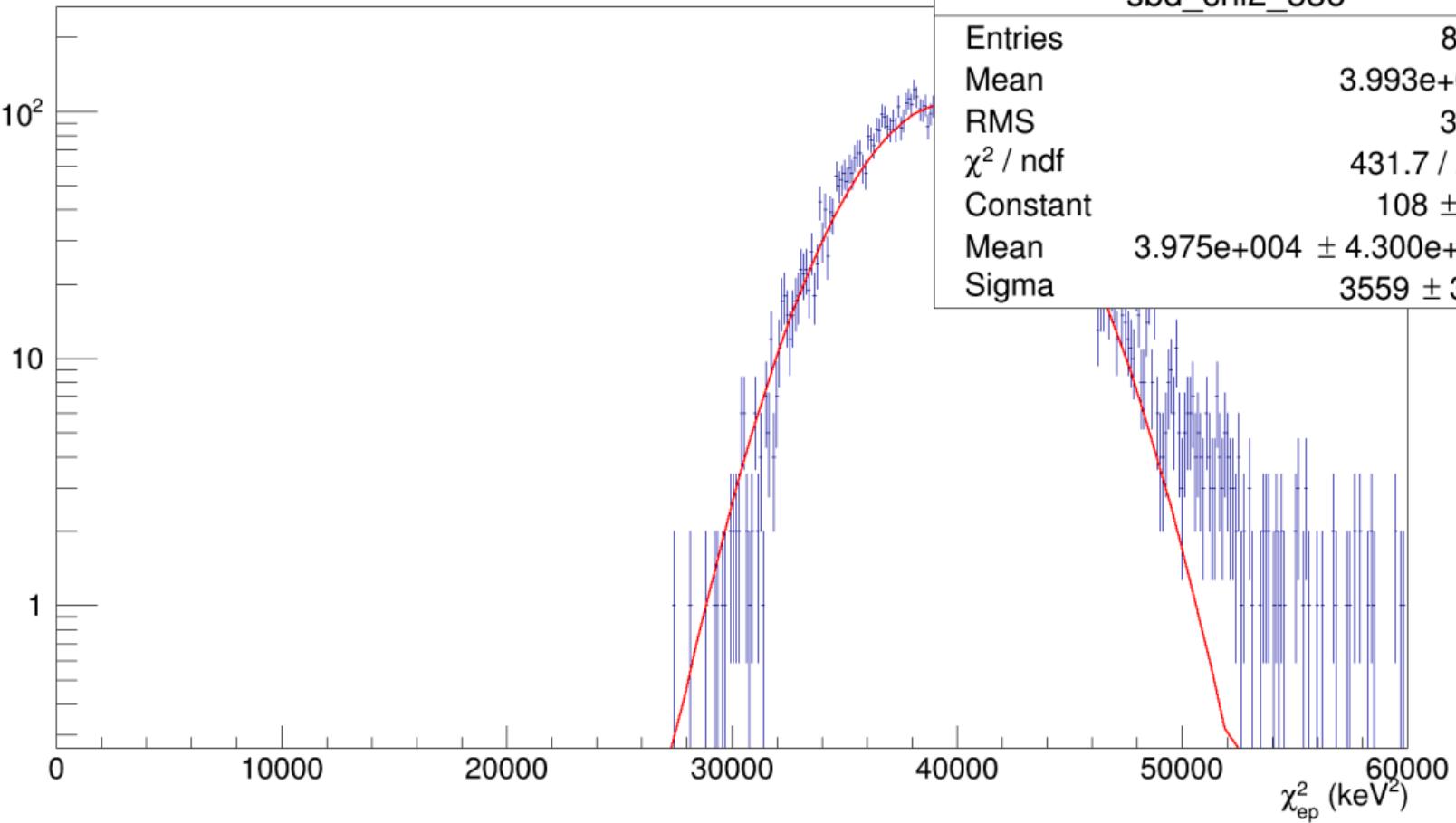
probability



sbd_chi2_535	
Entries	8609
Mean	3.987×10^4
RMS	4008
χ^2 / ndf	383.1 / 228
Constant	107.2 ± 1.5
Mean	$3.97 \times 10^4 \pm 4.30 \times 10^1$
Sigma	3658 ± 31.7

χ^2_{ep} from 536.00 keV to 537.00 keV

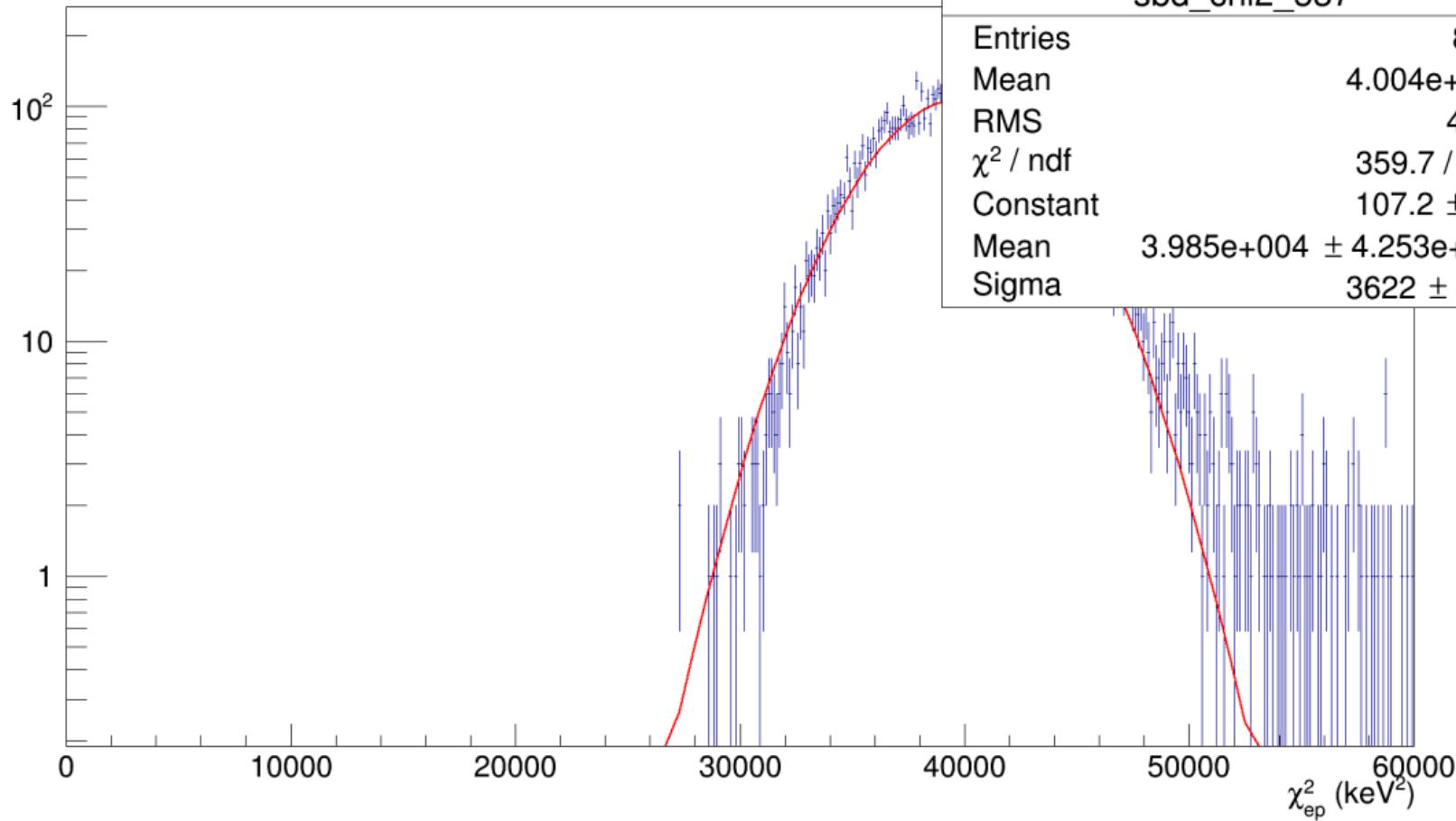
probability



sbd_chi2_536	
Entries	8510
Mean	3.993e+004
RMS	3998
χ^2 / ndf	431.7 / 225
Constant	108 ± 1.5
Mean	3.975e+004 ± 4.300e+001
Sigma	3559 ± 31.4

χ^2_{ep} from 537.00 keV to 538.00 keV

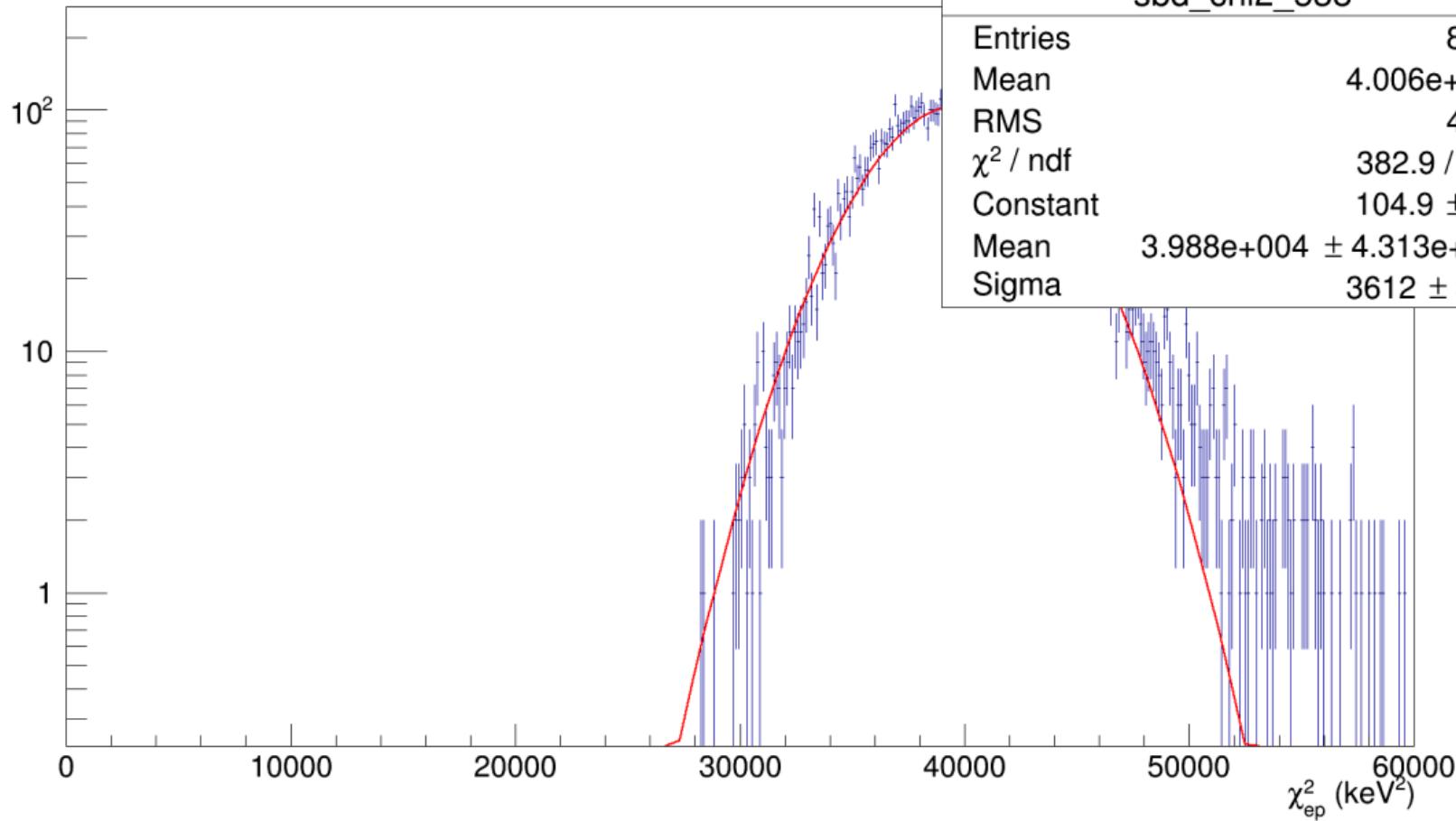
probability



sbd_chi2_537	
Entries	8511
Mean	4.004e+004
RMS	4006
χ^2 / ndf	359.7 / 234
Constant	107.2 ± 1.5
Mean	3.985e+004 ± 4.253e+001
Sigma	3622 ± 31.9

χ^2_{ep} from 538.00 keV to 539.00 keV

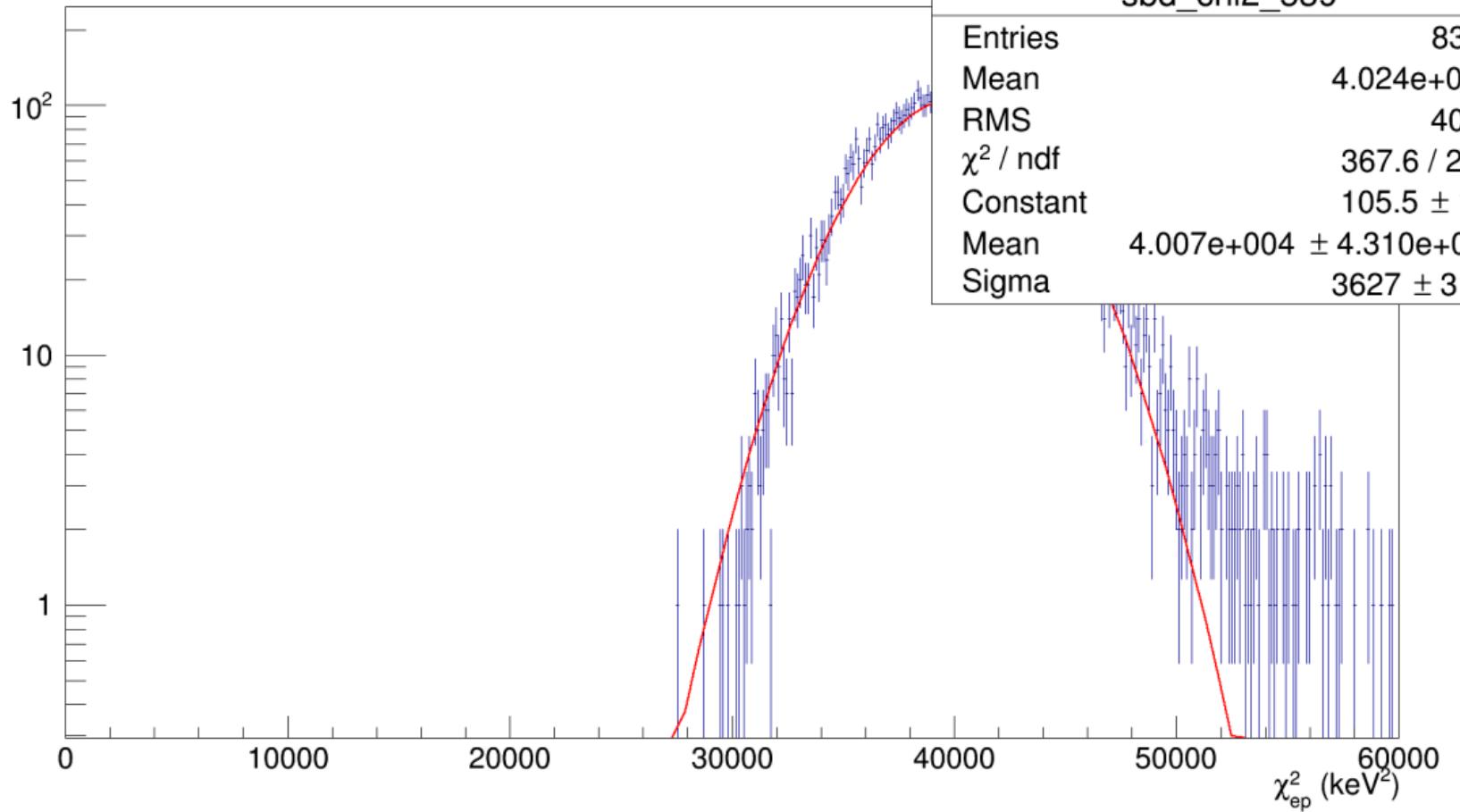
probability



sbd_chi2_538	
Entries	8324
Mean	4.006e+004
RMS	4012
χ^2 / ndf	382.9 / 225
Constant	104.9 ± 1.5
Mean	3.988e+004 ± 4.313e+001
Sigma	3612 ± 32.7

χ^2_{ep} from 539.00 keV to 540.00 keV

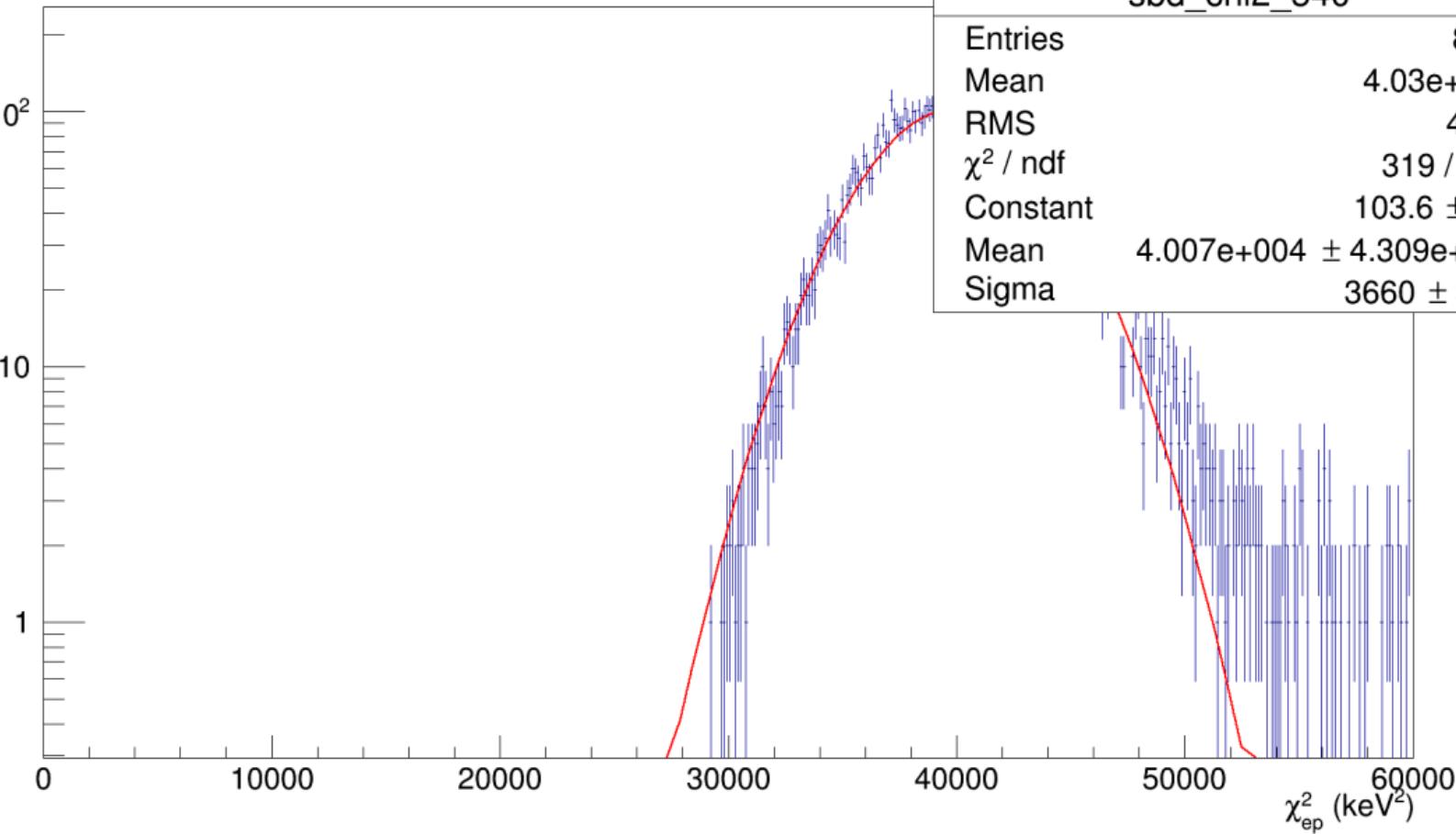
probability



χ^2_{ep} from 540.00 keV to 541.00 keV

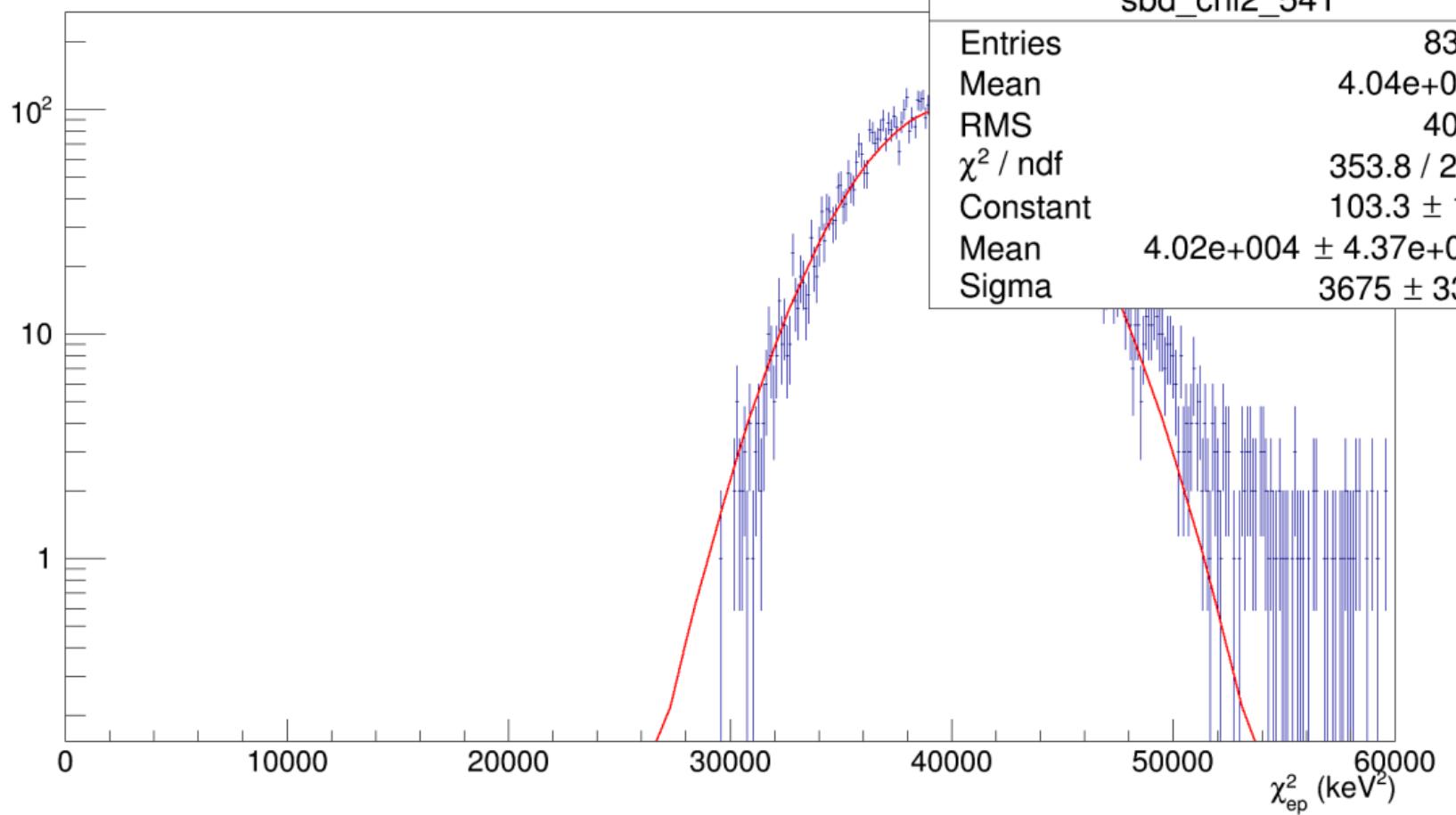
probability

sbd_chi2_540	
Entries	8281
Mean	4.03e+004
RMS	4035
χ^2 / ndf	319 / 229
Constant	103.6 ± 1.5
Mean	4.007e+004 ± 4.309e+001
Sigma	3660 ± 32.8



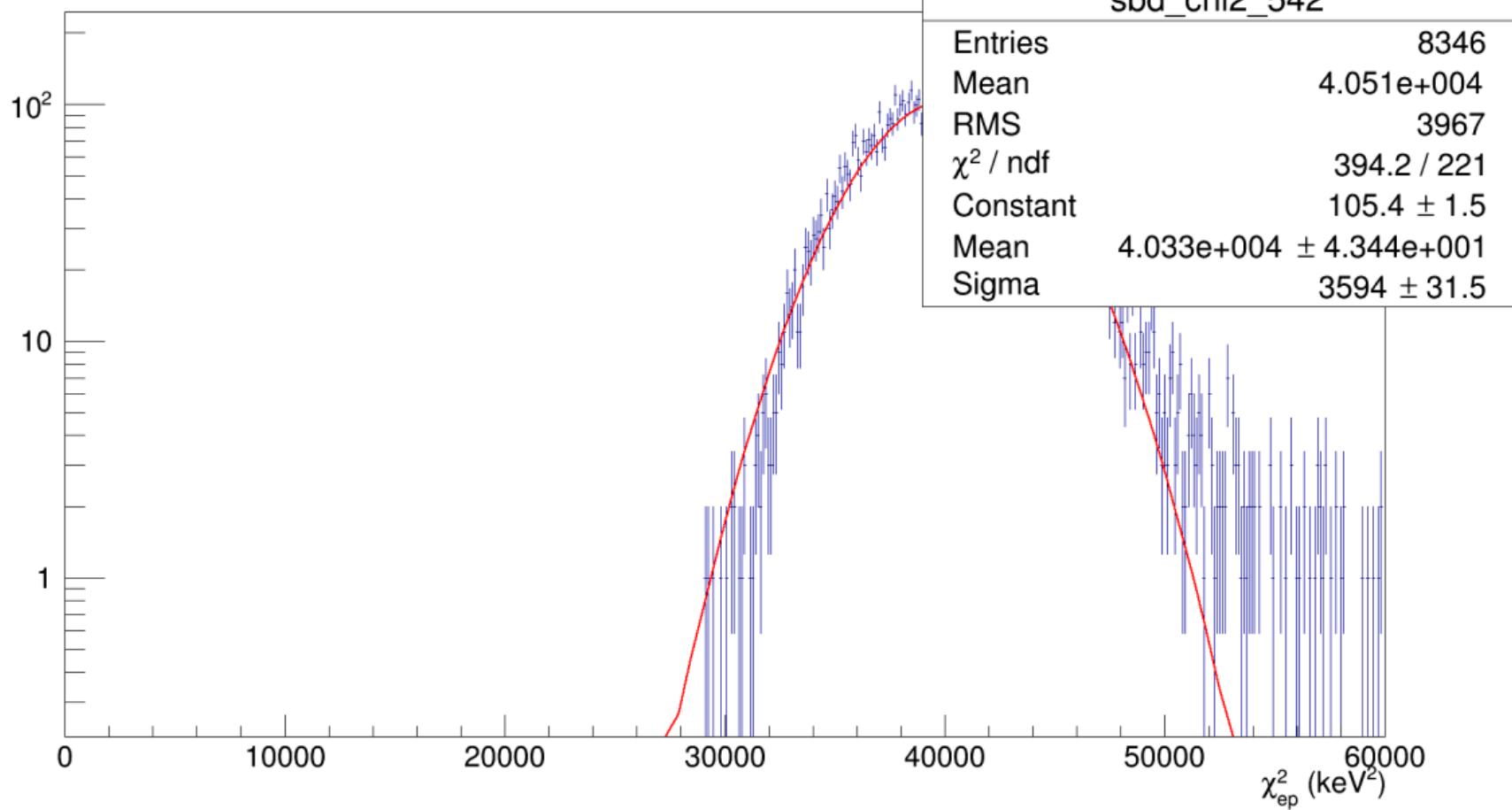
χ^2_{ep} from 541.00 keV to 542.00 keV

probability



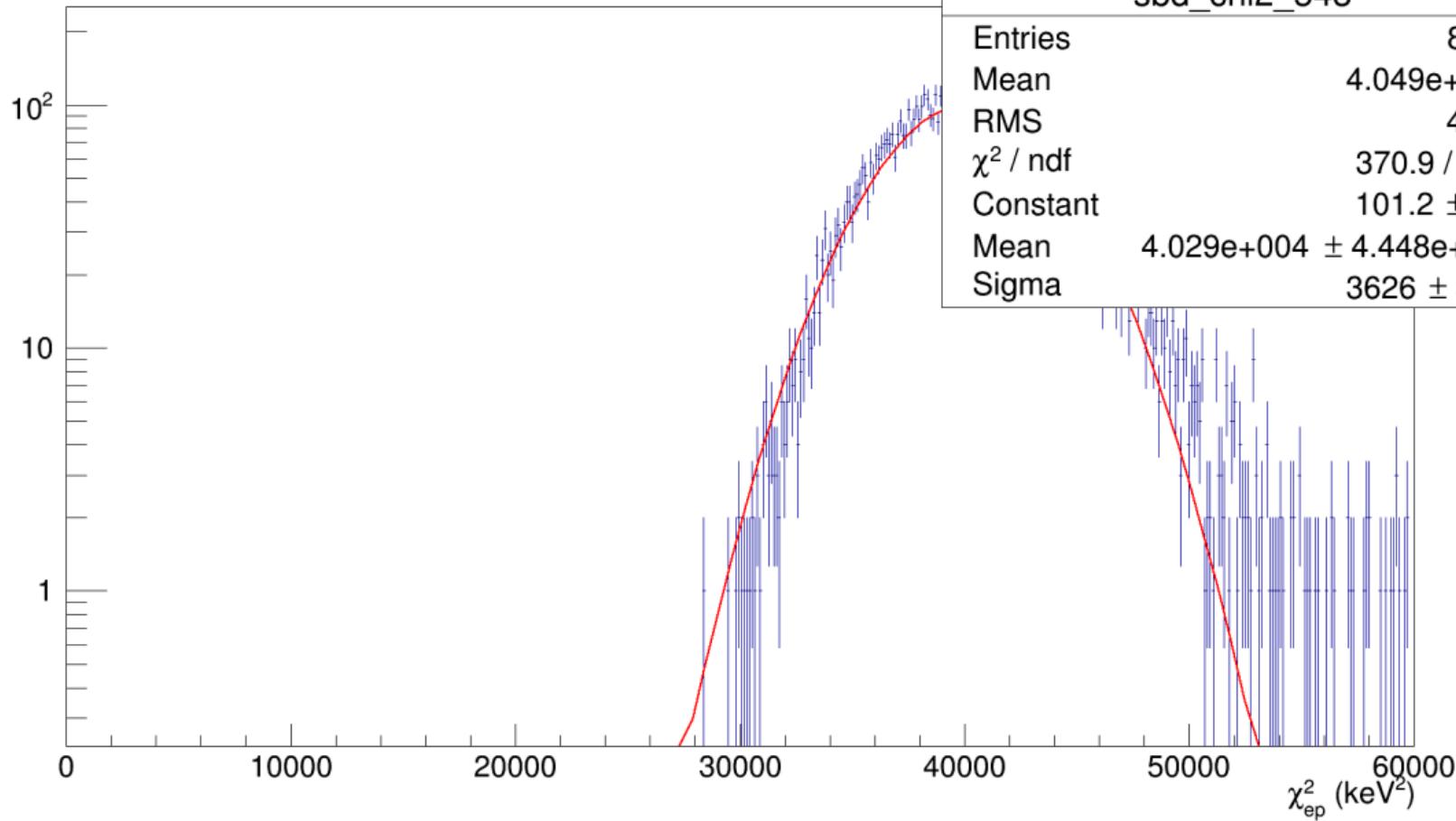
χ^2_{ep} from 542.00 keV to 543.00 keV

probability



χ^2_{ep} from 543.00 keV to 544.00 keV

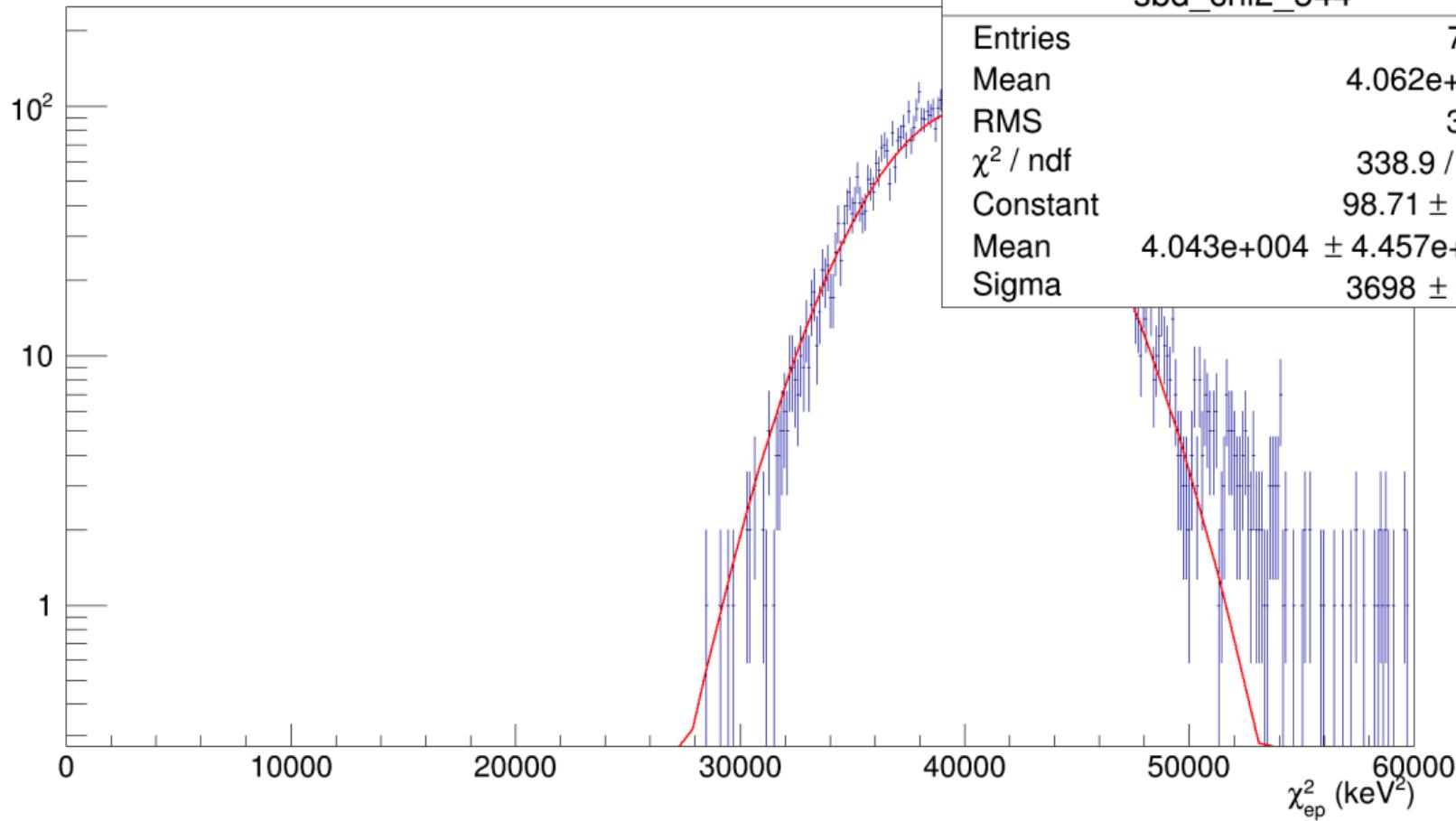
probability



sbd_chi2_543	
Entries	8090
Mean	4.049e+004
RMS	4009
χ^2 / ndf	370.9 / 227
Constant	101.2 ± 1.5
Mean	4.029e+004 ± 4.448e+001
Sigma	3626 ± 32.4

χ^2_{ep} from 544.00 keV to 545.00 keV

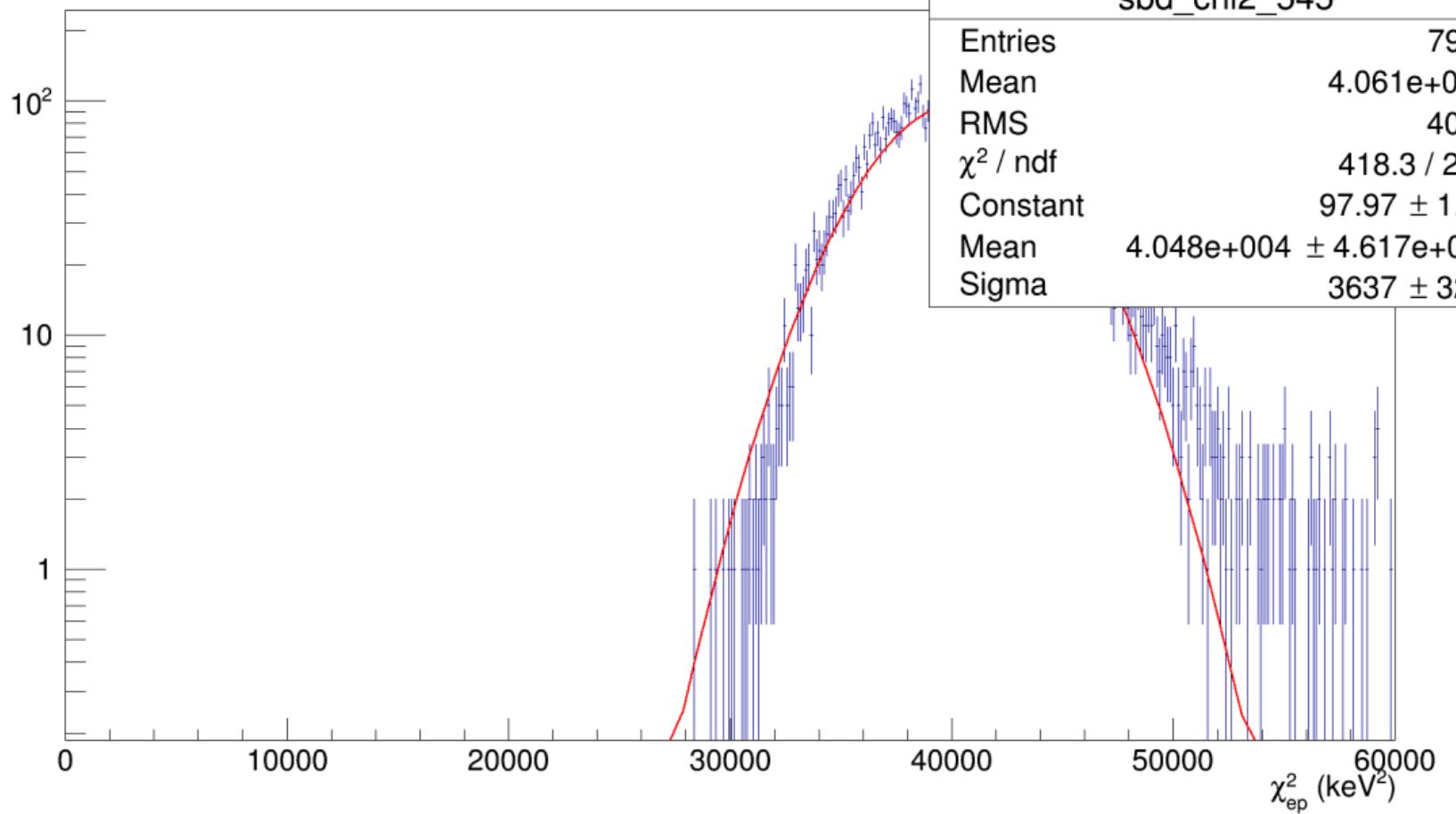
probability



sbd_chi2_544	
Entries	7998
Mean	4.062e+004
RMS	3997
χ^2 / ndf	338.9 / 218
Constant	98.71 ± 1.43
Mean	4.043e+004 ± 4.457e+001
Sigma	3698 ± 33.4

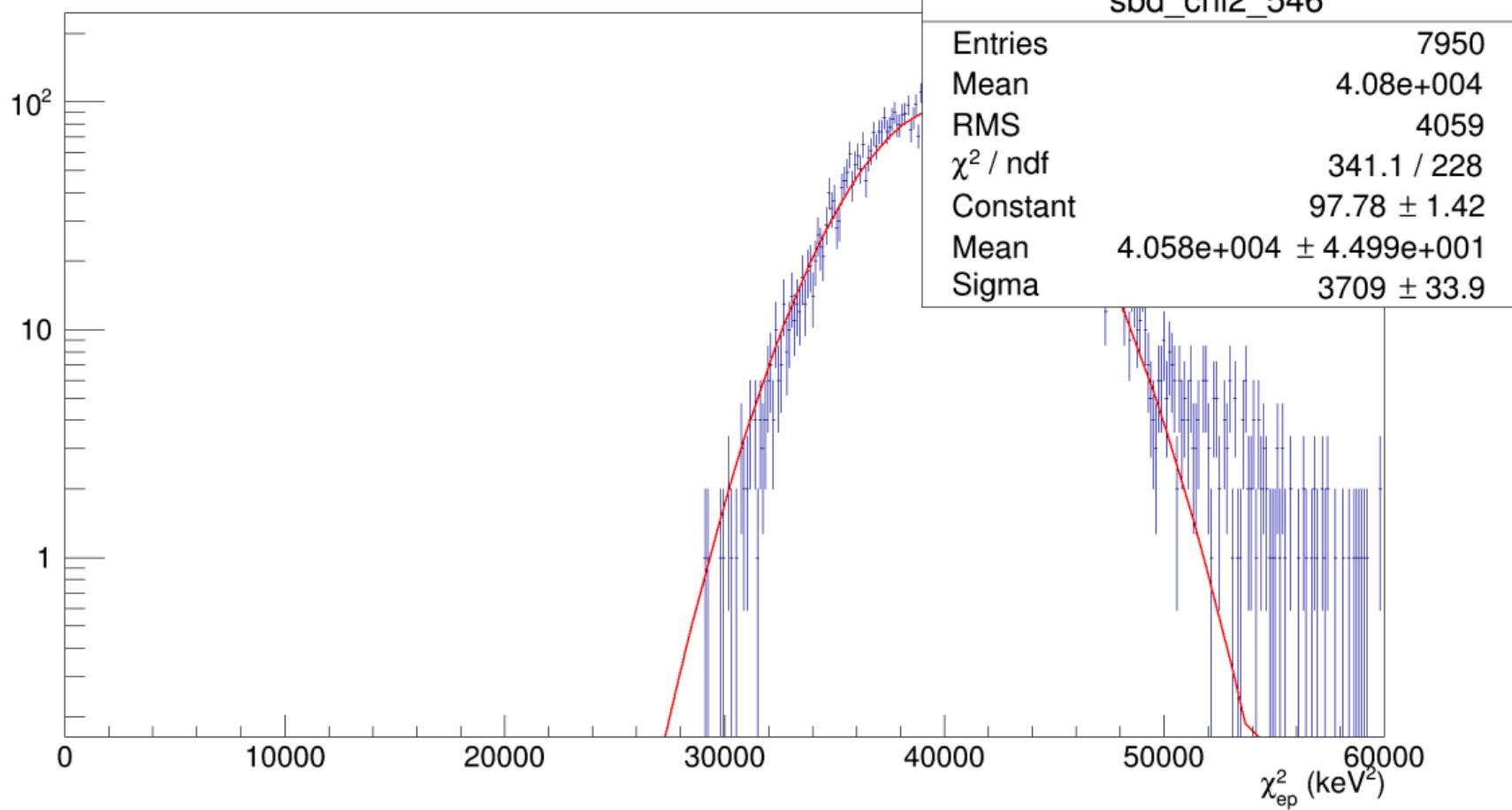
χ^2_{ep} from 545.00 keV to 546.00 keV

probability



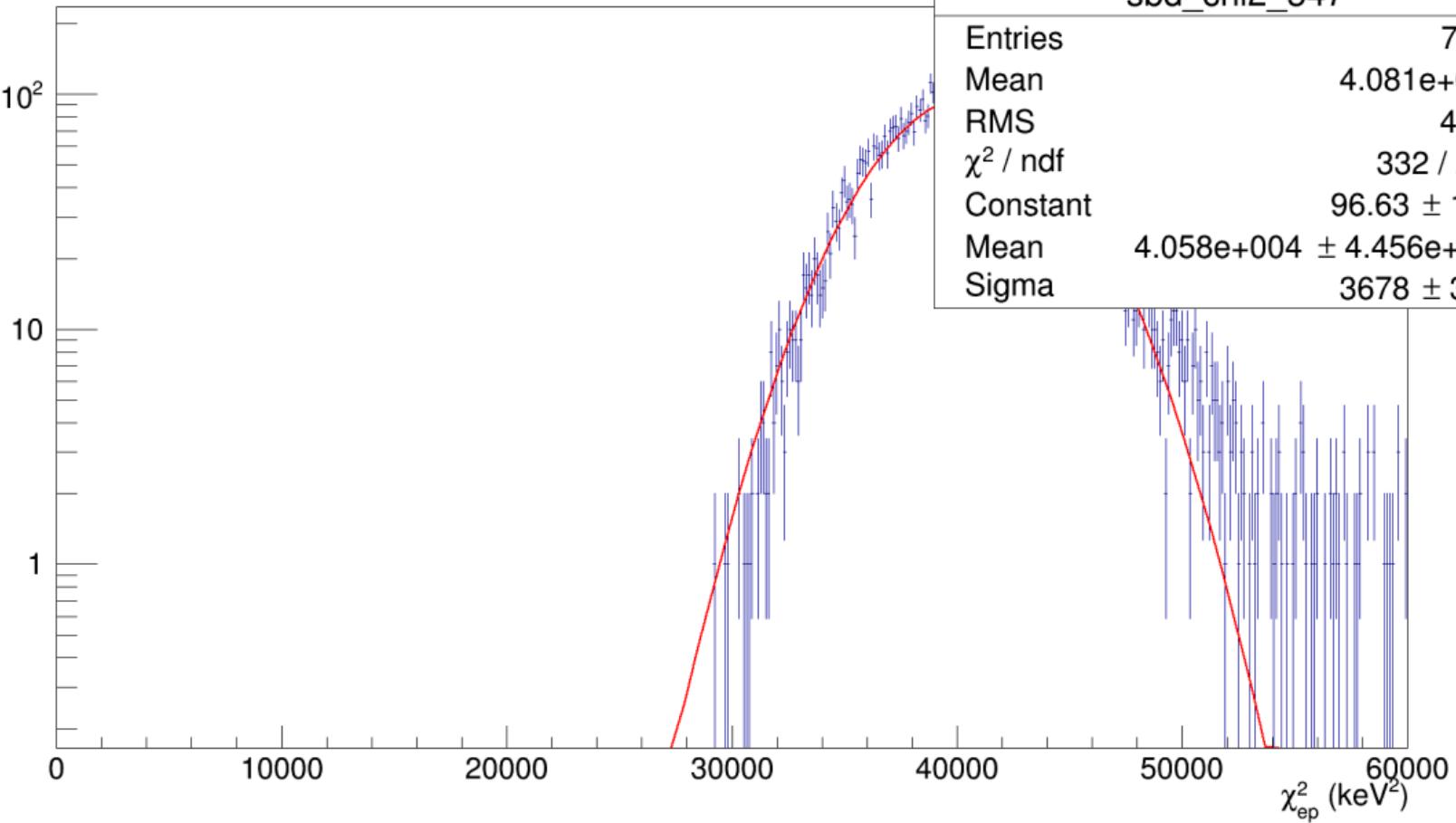
χ^2_{ep} from 546.00 keV to 547.00 keV

probability



χ^2_{ep} from 547.00 keV to 548.00 keV

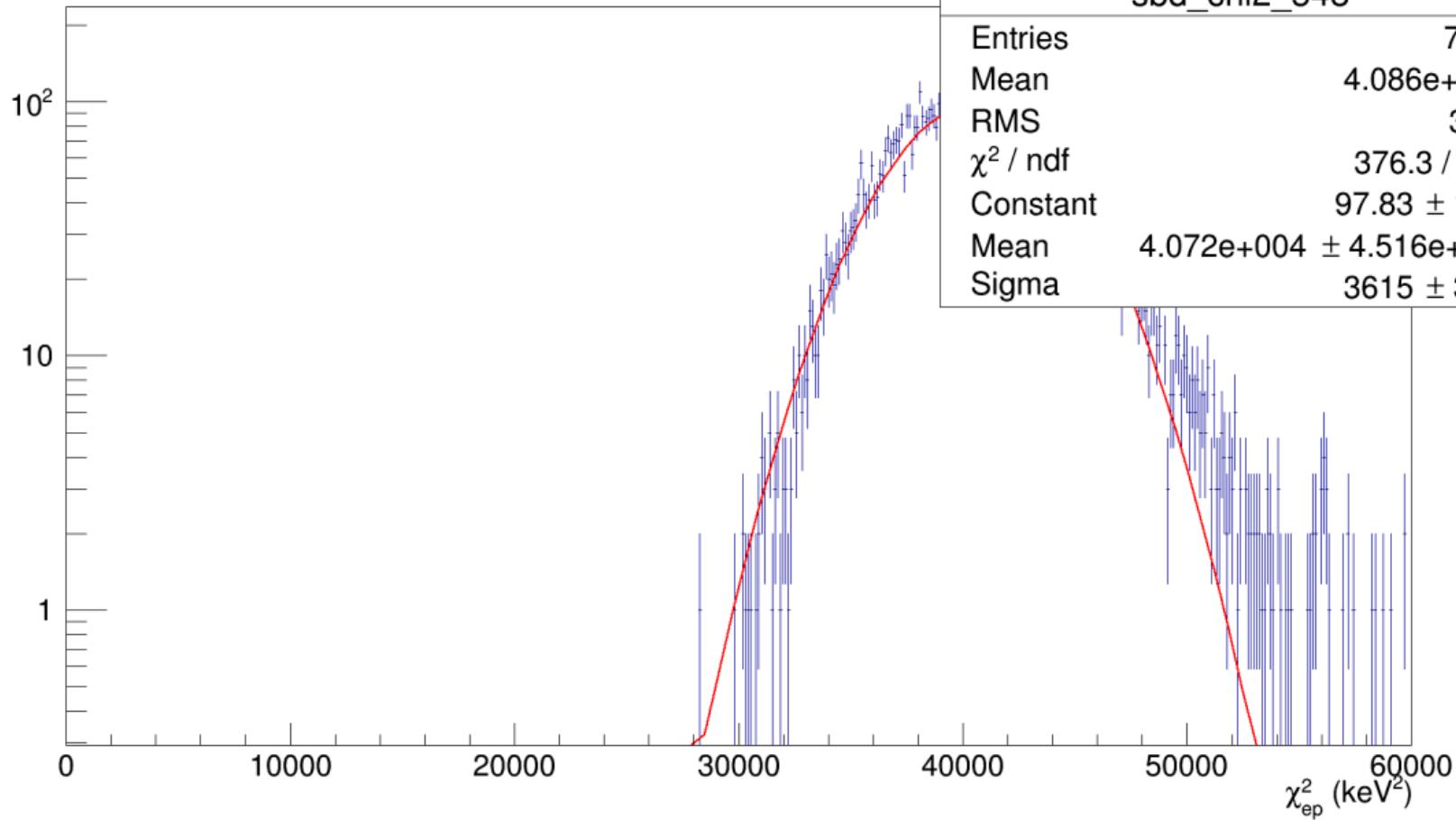
probability



sbd_chi2_547	
Entries	7802
Mean	4.081e+004
RMS	4056
χ^2 / ndf	332 / 223
Constant	96.63 ± 1.42
Mean	4.058e+004 ± 4.456e+001
Sigma	3678 ± 33.9

χ^2_{ep} from 548.00 keV to 549.00 keV

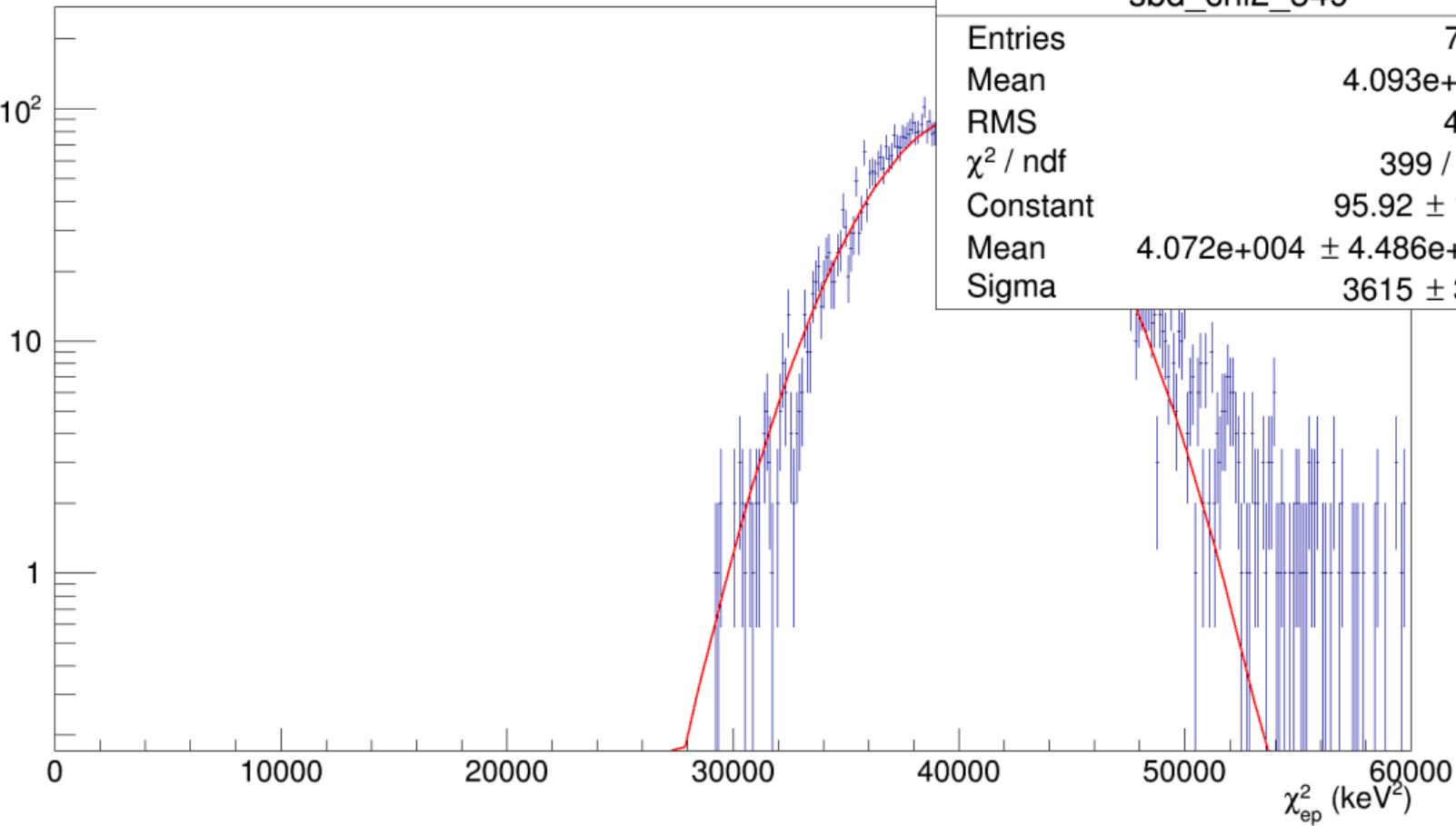
probability



sbd_chi2_548	
Entries	7807
Mean	4.086e+004
RMS	3951
χ^2 / ndf	376.3 / 215
Constant	97.83 ± 1.44
Mean	4.072e+004 ± 4.516e+001
Sigma	3615 ± 33.2

χ^2_{ep} from 549.00 keV to 550.00 keV

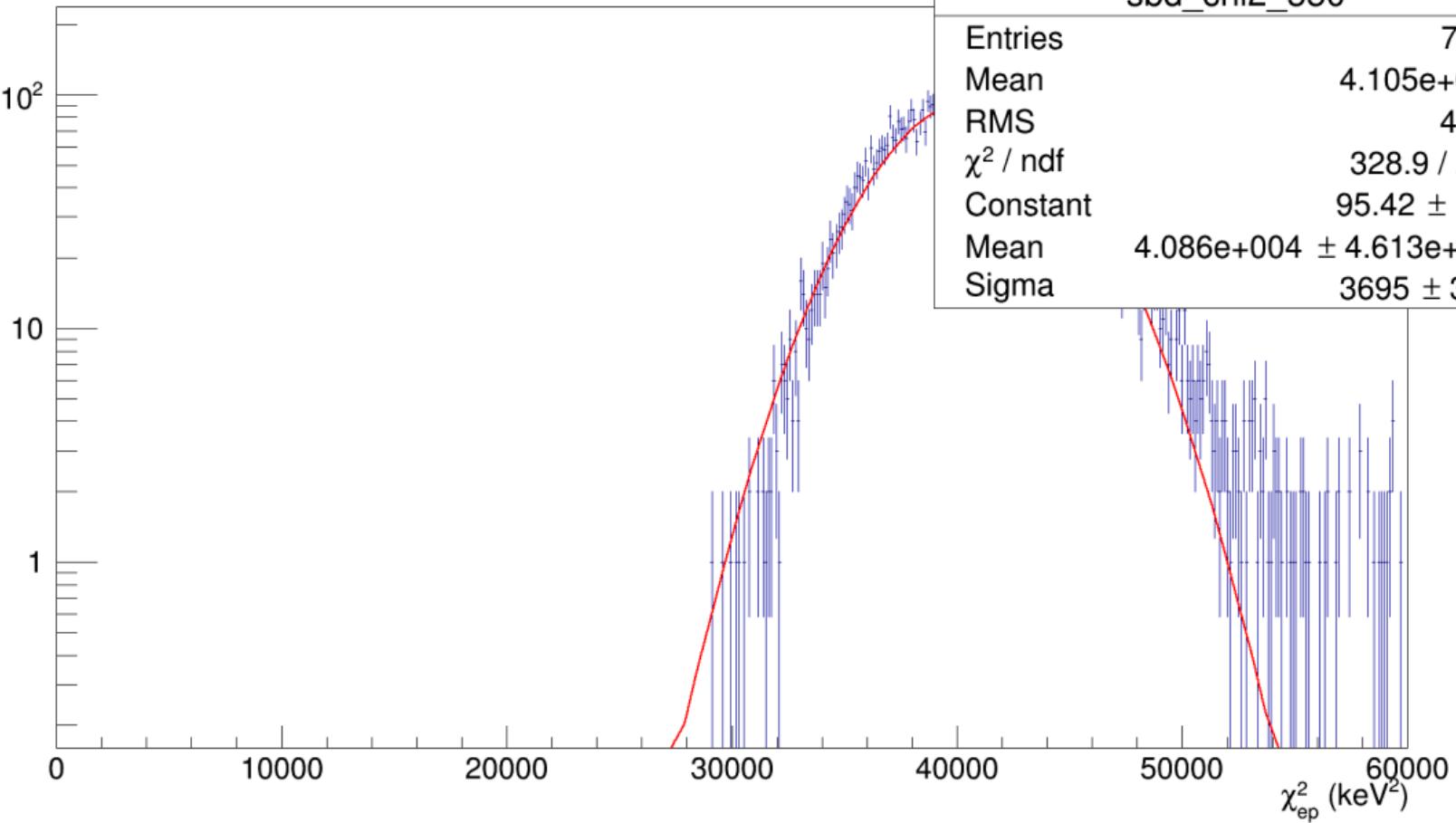
probability



sbd_chi2_549	
Entries	7692
Mean	4.093e+004
RMS	4034
χ^2 / ndf	399 / 226
Constant	95.92 ± 1.43
Mean	4.072e+004 ± 4.486e+001
Sigma	3615 ± 33.4

χ^2_{ep} from 550.00 keV to 551.00 keV

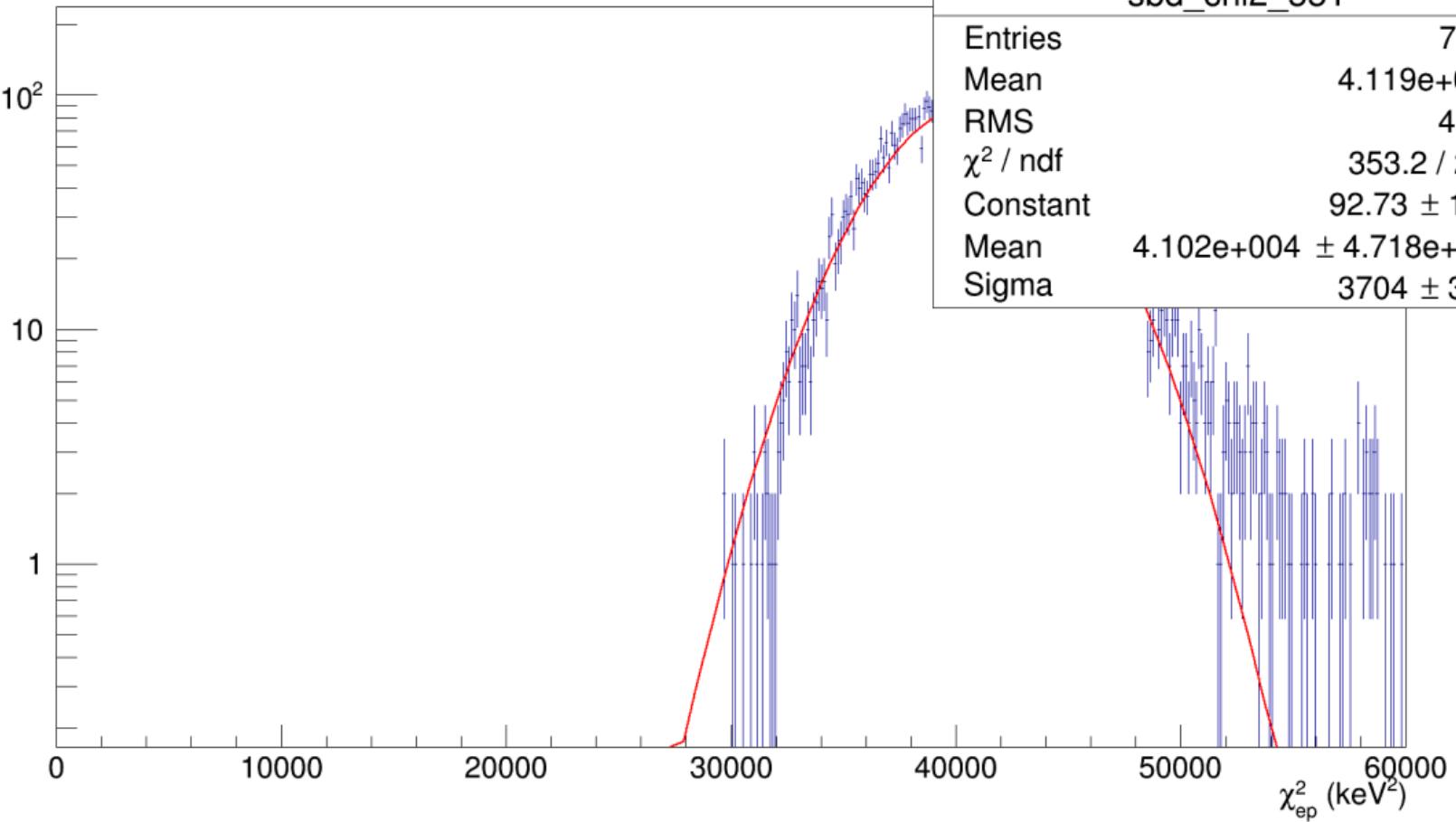
probability



sbd_chi2_550	
Entries	7725
Mean	4.105e+004
RMS	4038
χ^2 / ndf	328.9 / 222
Constant	95.42 ± 1.41
Mean	4.086e+004 ± 4.613e+001
Sigma	3695 ± 34.5

χ^2_{ep} from 551.00 keV to 552.00 keV

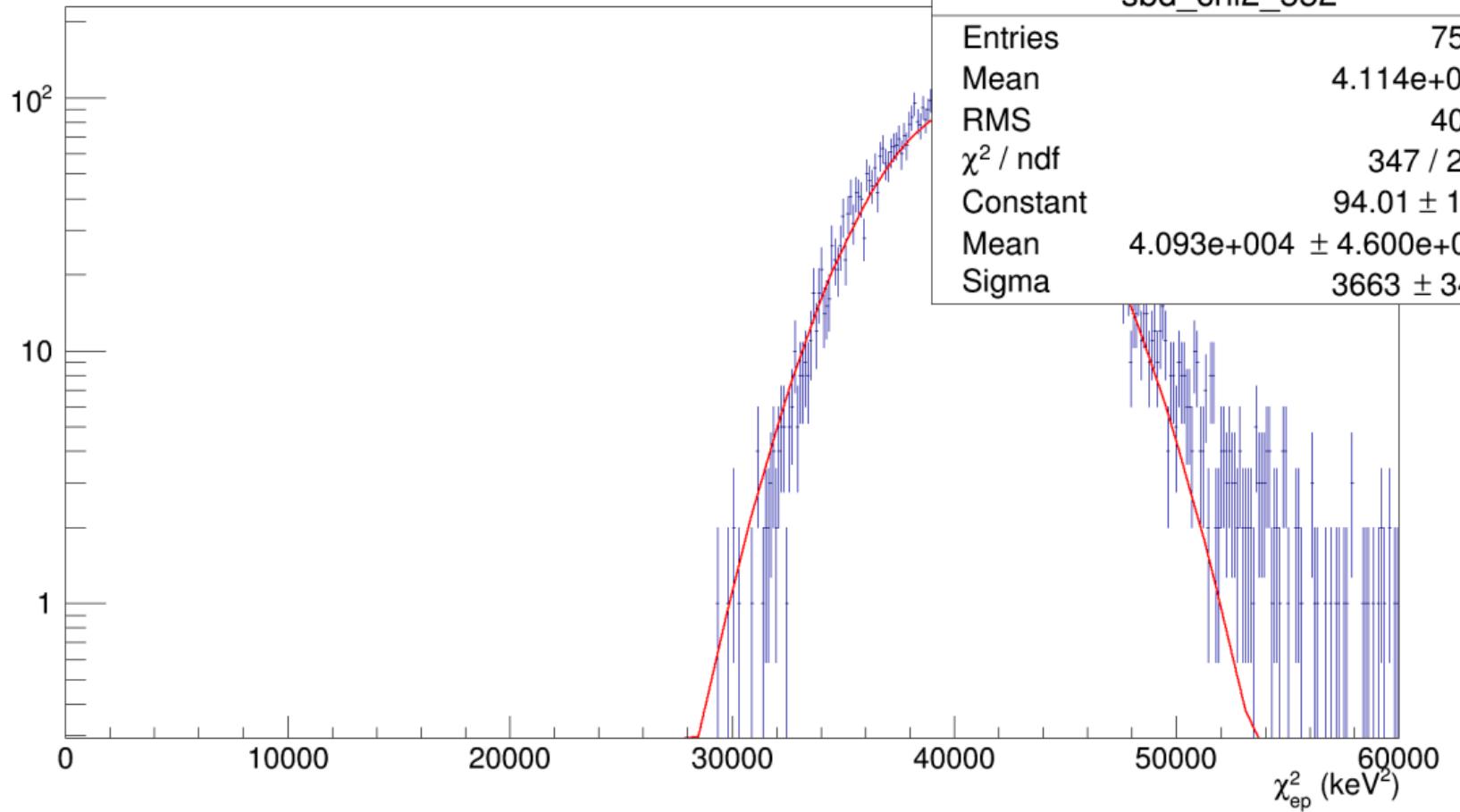
probability



sbd_chi2_551	
Entries	7582
Mean	4.119e+004
RMS	4084
χ^2 / ndf	353.2 / 222
Constant	92.73 ± 1.38
Mean	4.102e+004 ± 4.718e+001
Sigma	3704 ± 34.2

χ^2_{ep} from 552.00 keV to 553.00 keV

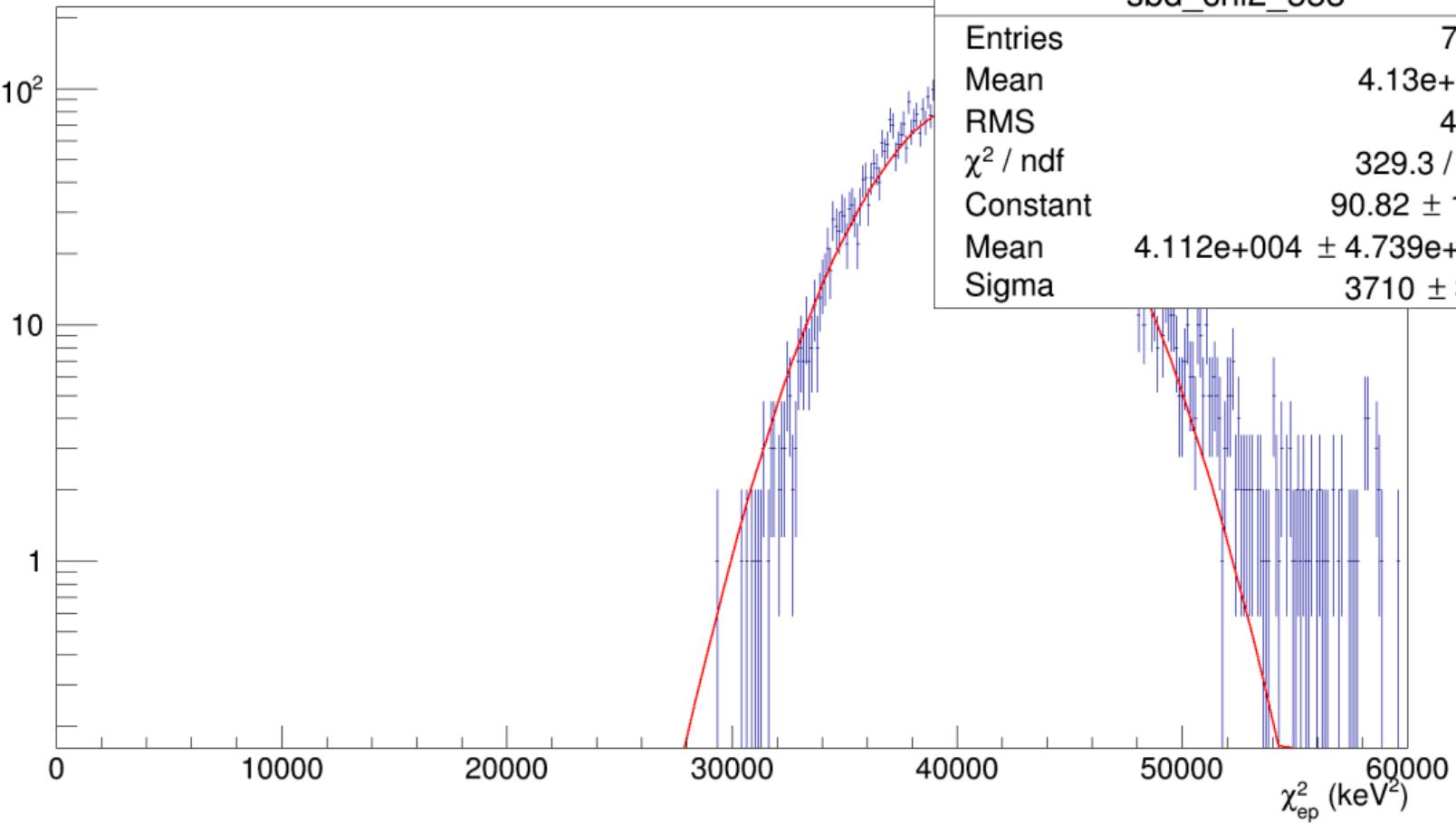
probability



sbd_chi2_552	
Entries	7564
Mean	4.114e+004
RMS	4035
χ^2 / ndf	347 / 224
Constant	94.01 ± 1.41
Mean	4.093e+004 ± 4.600e+001
Sigma	3663 ± 34.8

χ^2_{ep} from 553.00 keV to 554.00 keV

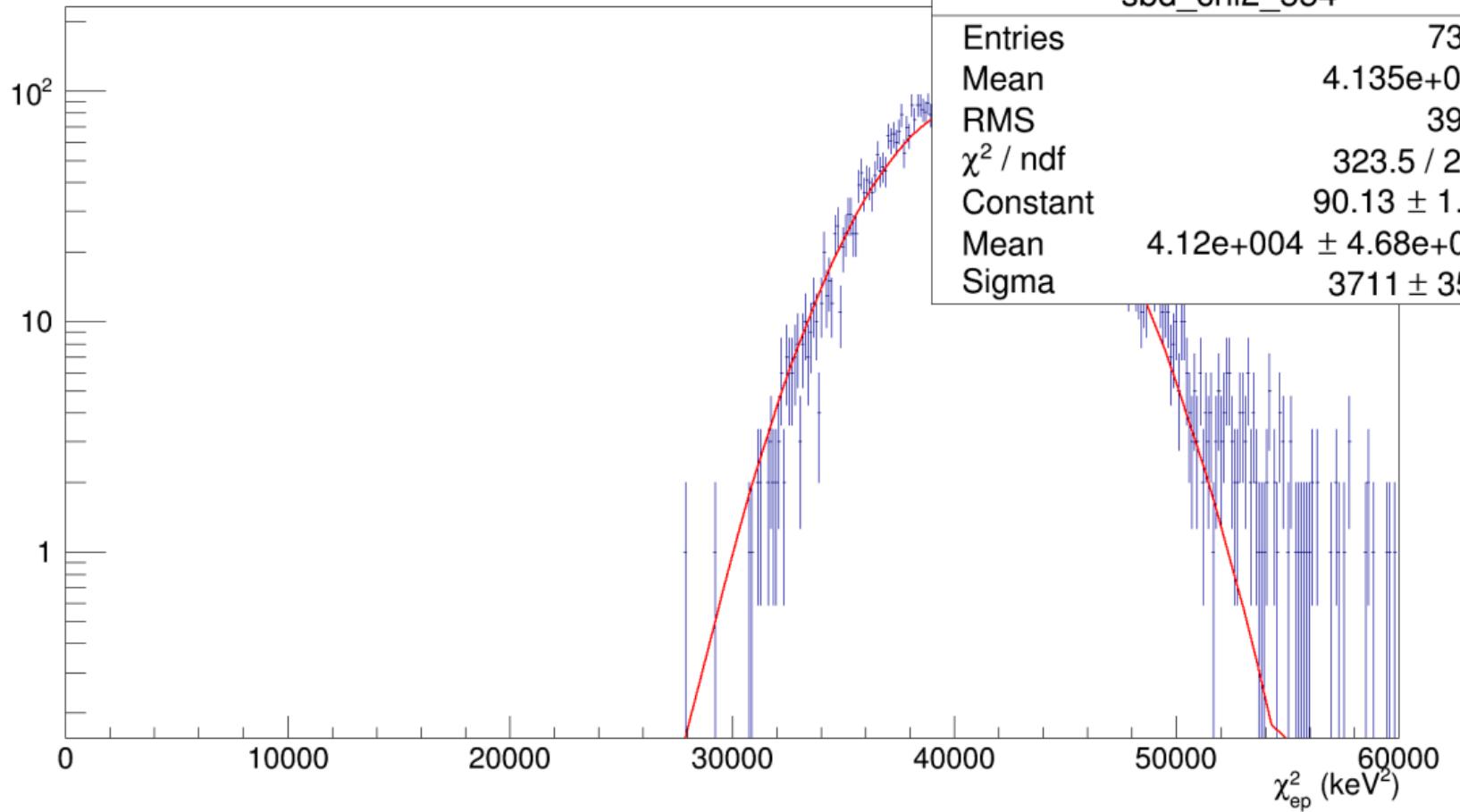
probability



sbd_chi2_553	
Entries	7406
Mean	4.13e+004
RMS	4044
χ^2 / ndf	329.3 / 221
Constant	90.82 ± 1.37
Mean	4.112e+004 ± 4.739e+001
Sigma	3710 ± 35.1

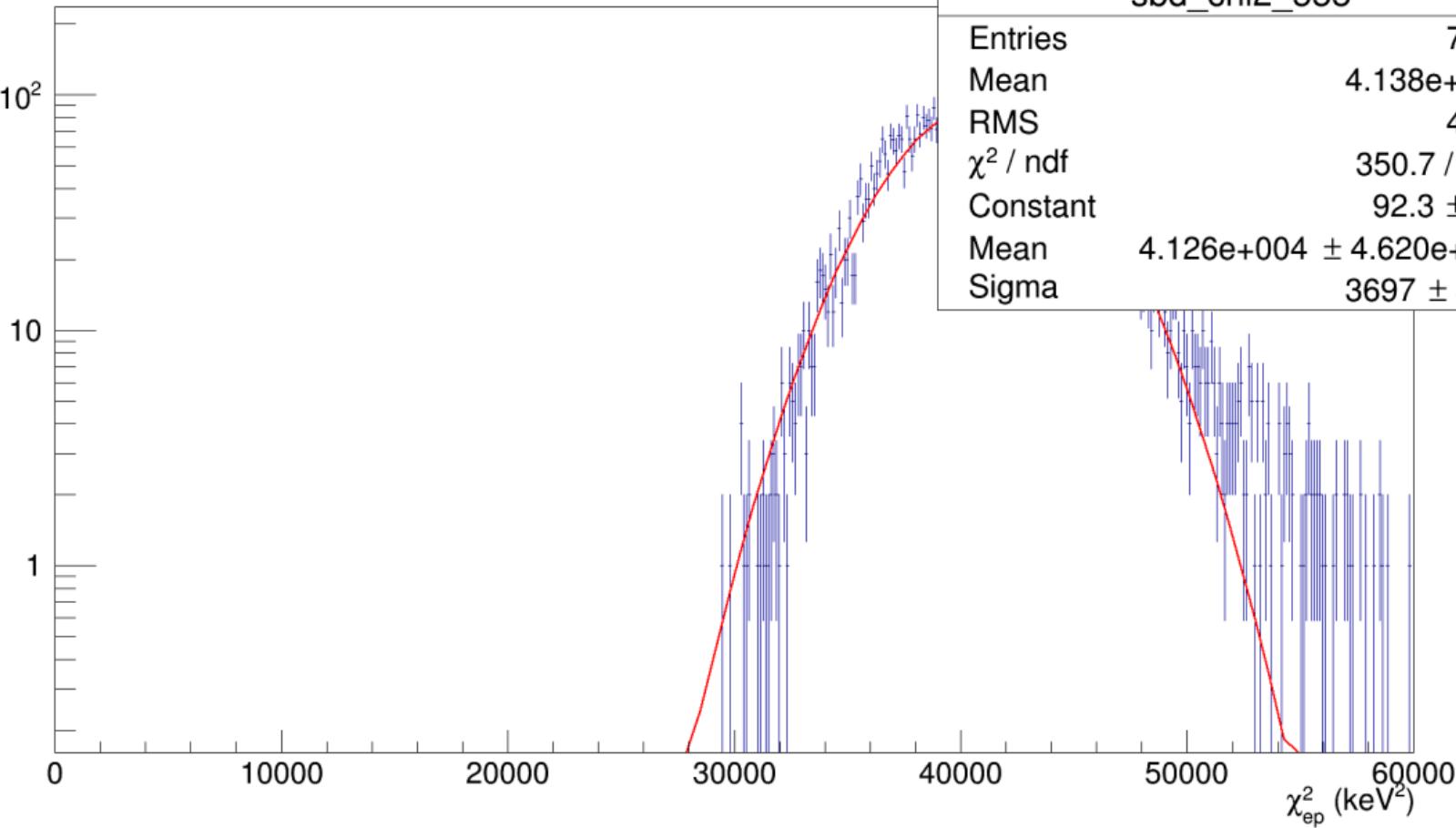
χ^2_{ep} from 554.00 keV to 555.00 keV

probability



χ^2_{ep} from 555.00 keV to 556.00 keV

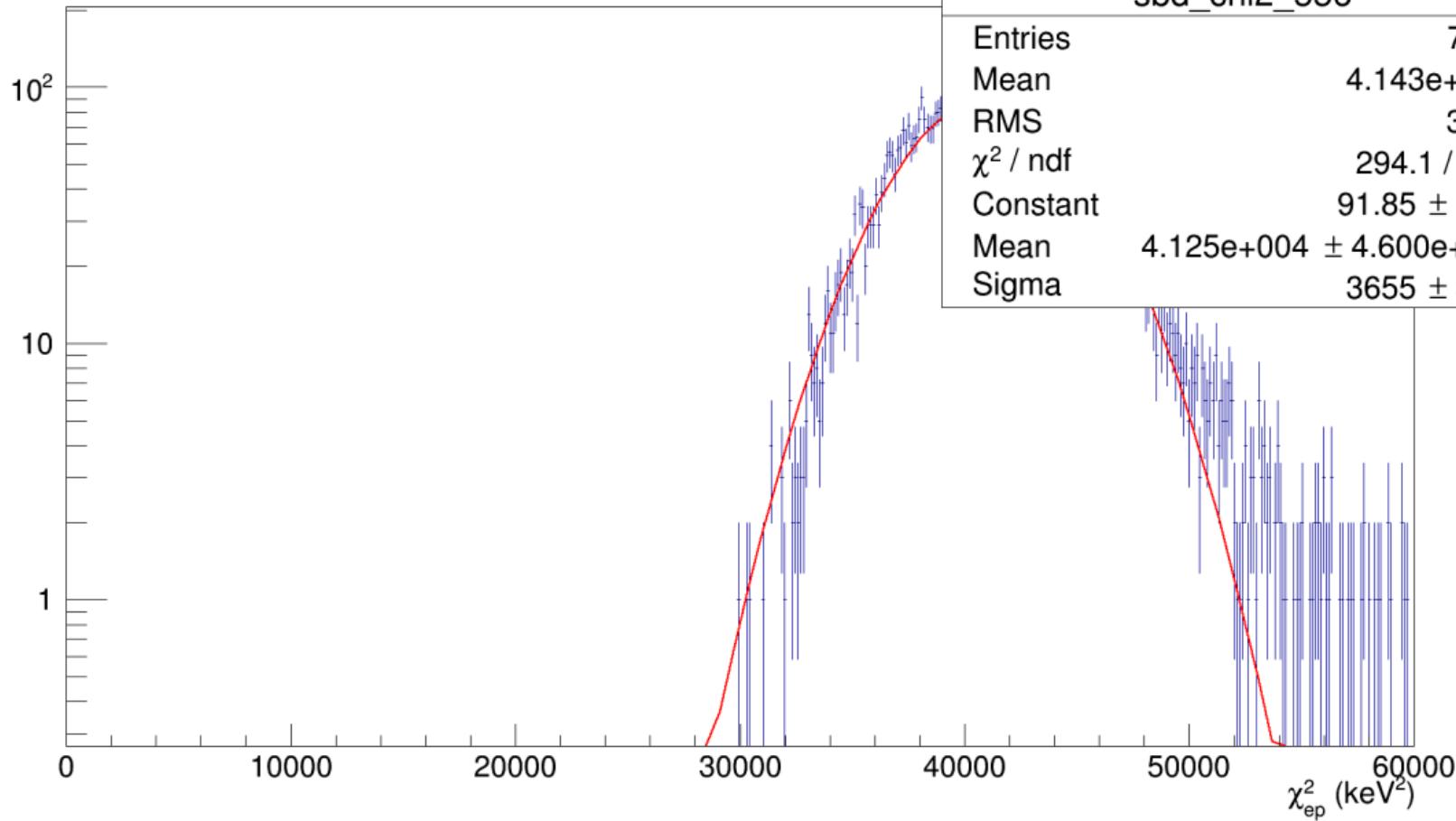
probability



sbd_chi2_555	
Entries	7514
Mean	4.138e+004
RMS	4046
χ^2 / ndf	350.7 / 222
Constant	92.3 ± 1.4
Mean	4.126e+004 ± 4.620e+001
Sigma	3697 ± 33.7

χ^2_{ep} from 556.00 keV to 557.00 keV

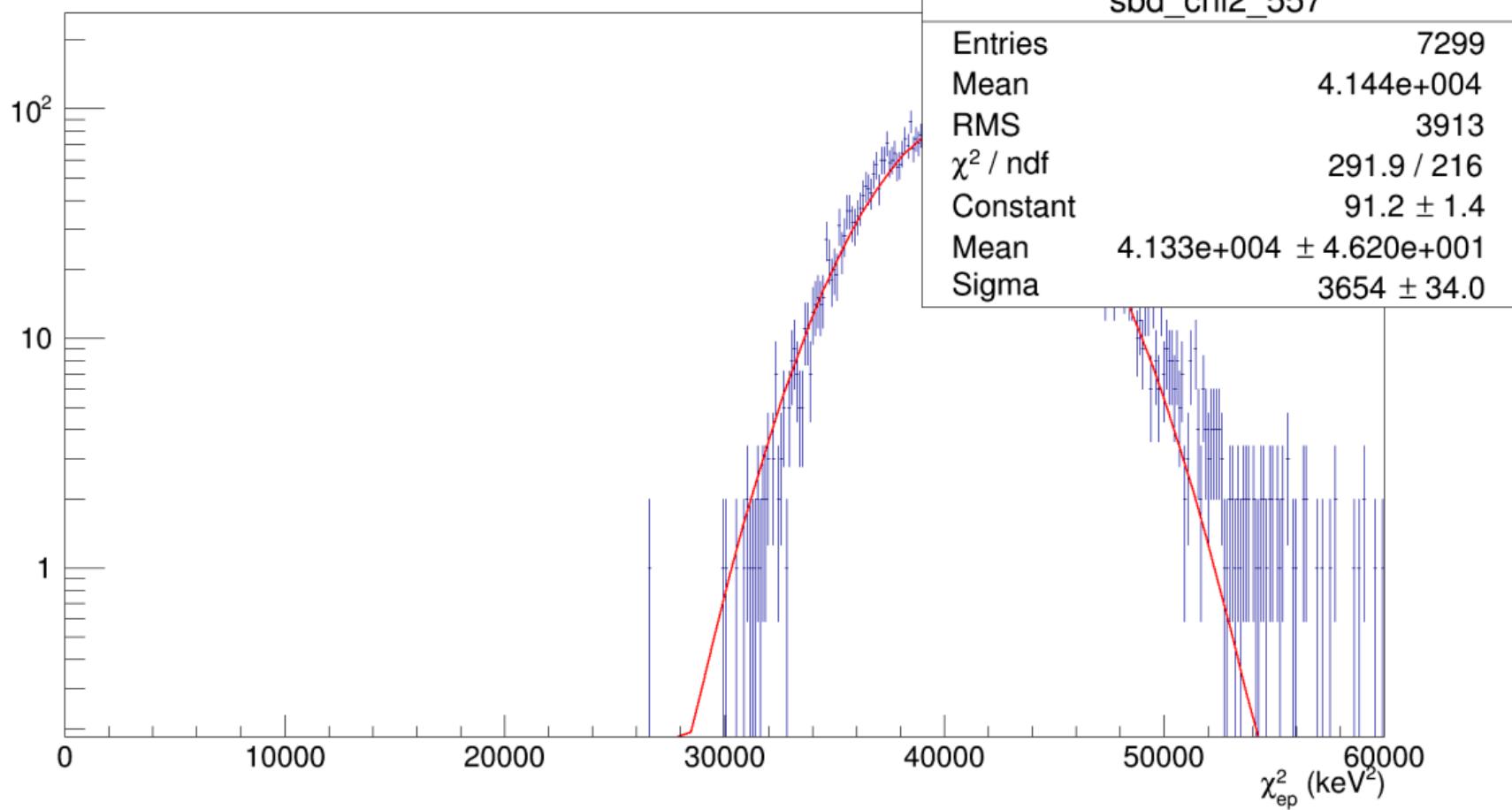
probability



sbd_chi2_556	
Entries	7328
Mean	4.143e+004
RMS	3949
χ^2 / ndf	294.1 / 217
Constant	91.85 ± 1.40
Mean	4.125e+004 ± 4.600e+001
Sigma	3655 ± 35.5

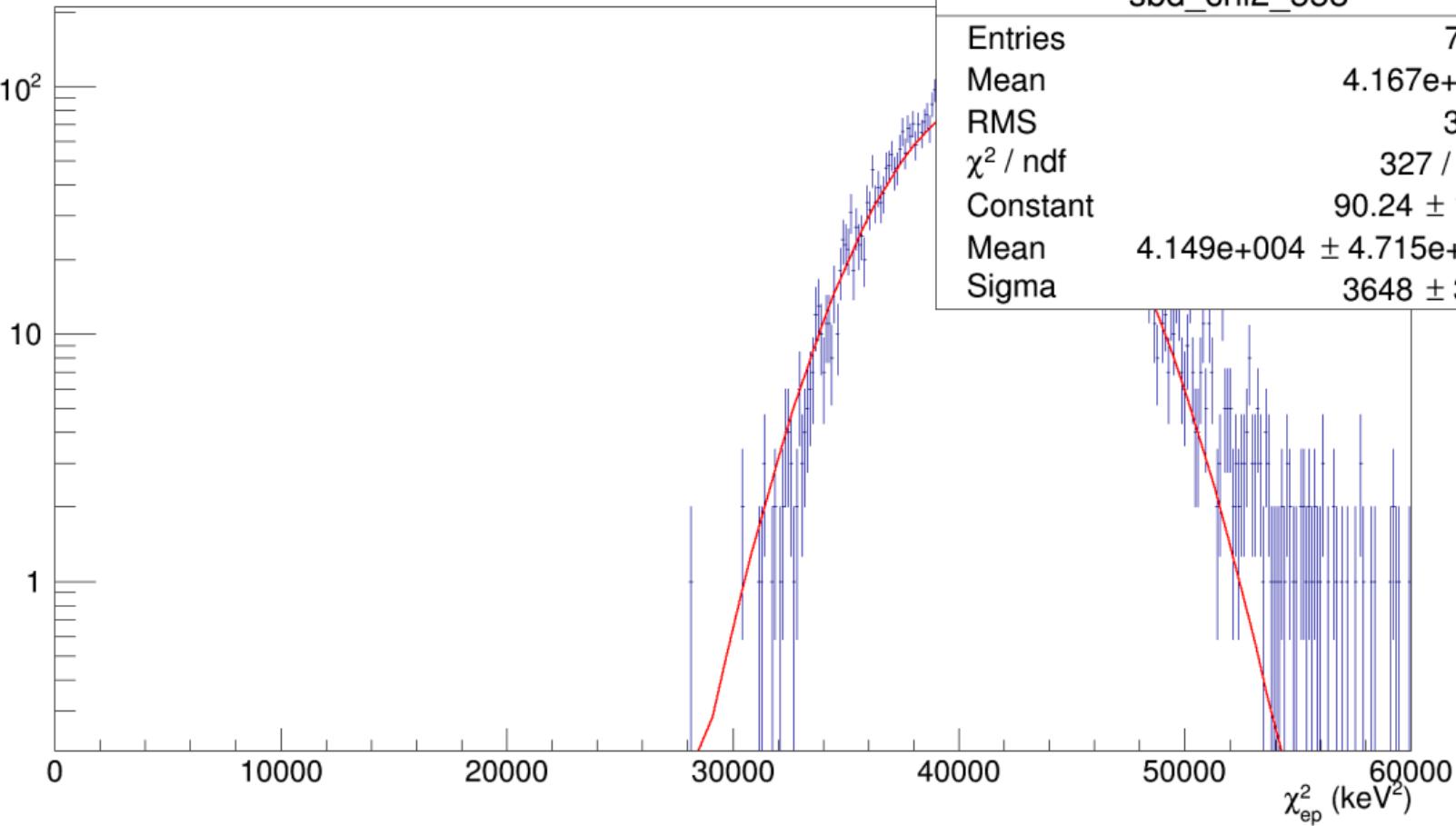
χ^2_{ep} from 557.00 keV to 558.00 keV

probability



χ^2_{ep} from 558.00 keV to 559.00 keV

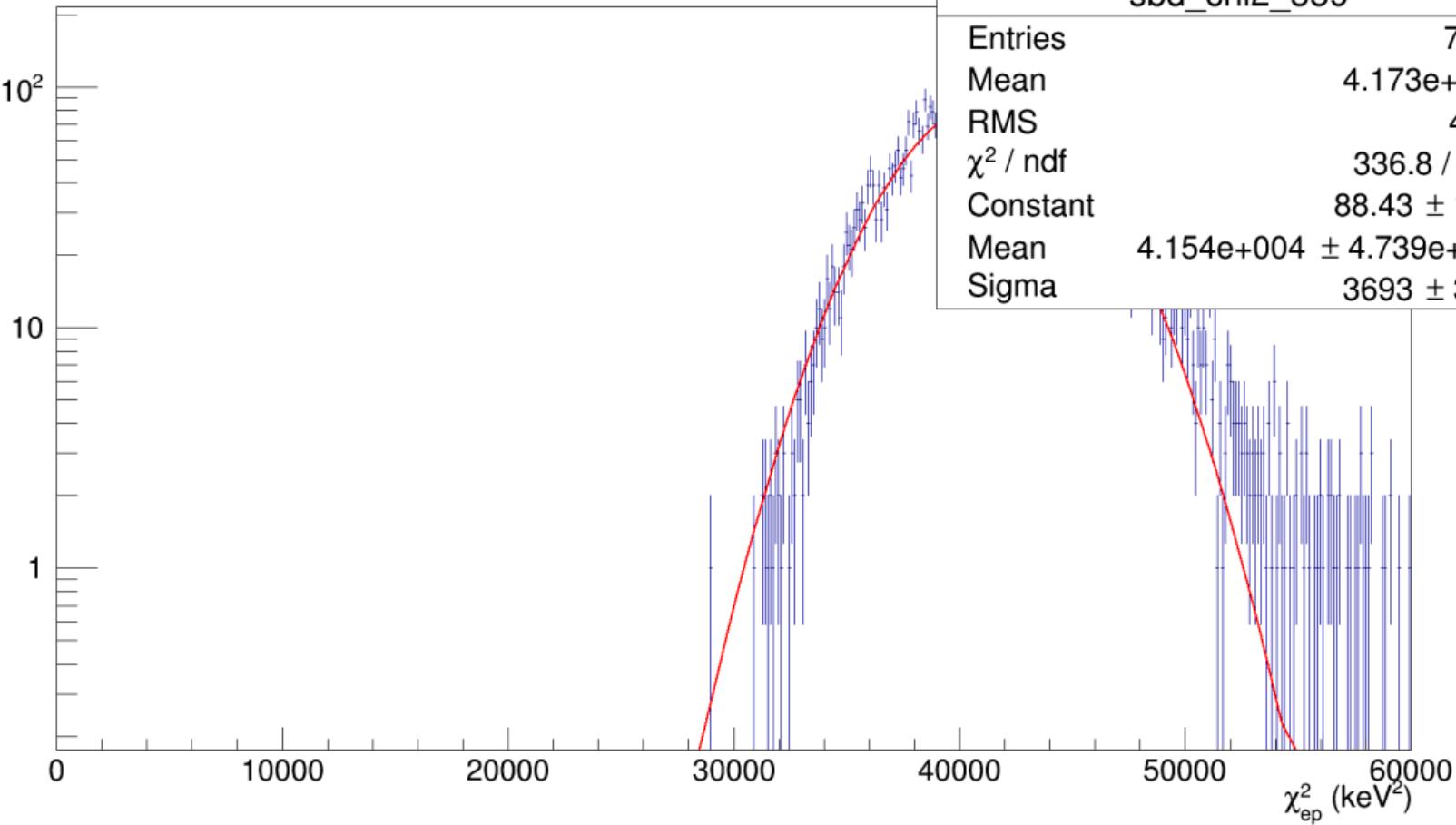
probability



sbd_chi2_558	
Entries	7233
Mean	4.167e+004
RMS	3977
χ^2 / ndf	327 / 218
Constant	90.24 ± 1.38
Mean	4.149e+004 ± 4.715e+001
Sigma	3648 ± 35.3

χ^2_{ep} from 559.00 keV to 560.00 keV

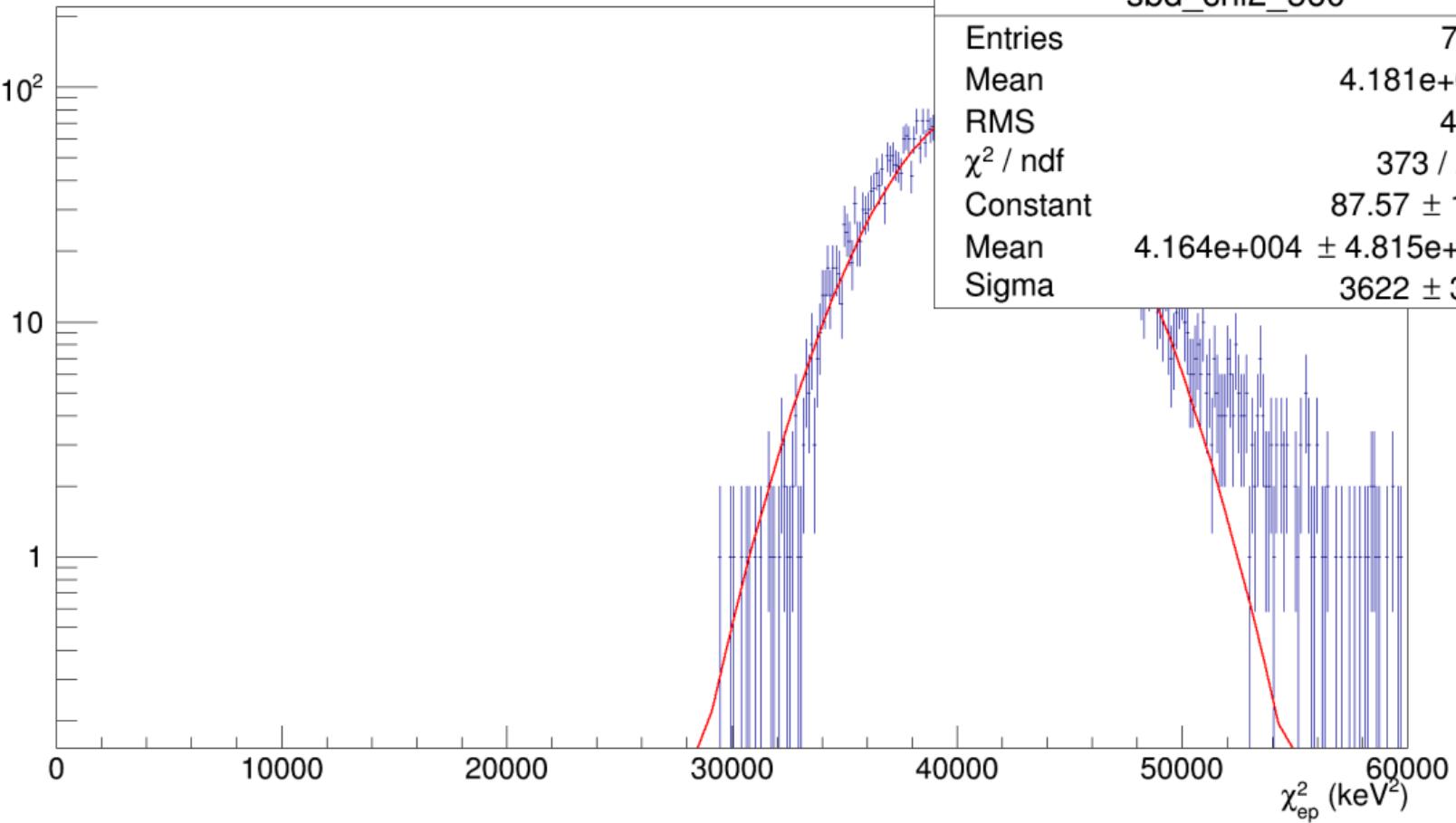
probability



sbd_chi2_559	
Entries	7184
Mean	4.173e+004
RMS	4041
χ^2 / ndf	336.8 / 223
Constant	88.43 ± 1.36
Mean	4.154e+004 ± 4.739e+001
Sigma	3693 ± 35.6

χ^2_{ep} from 560.00 keV to 561.00 keV

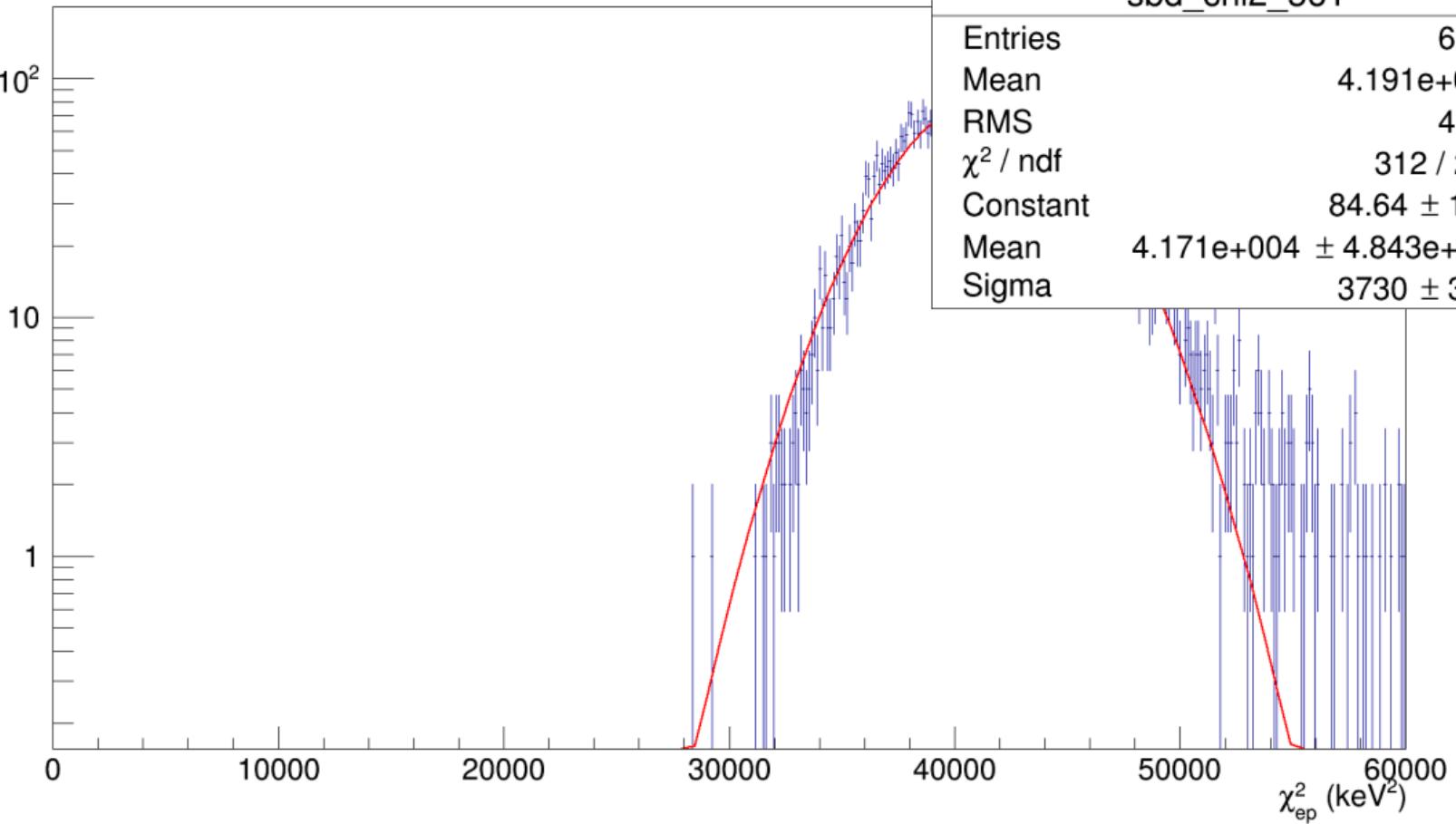
probability



sbd_chi2_560	
Entries	7039
Mean	4.181e+004
RMS	4032
χ^2 / ndf	373 / 222
Constant	87.57 ± 1.36
Mean	4.164e+004 ± 4.815e+001
Sigma	3622 ± 34.8

χ^2_{ep} from 561.00 keV to 562.00 keV

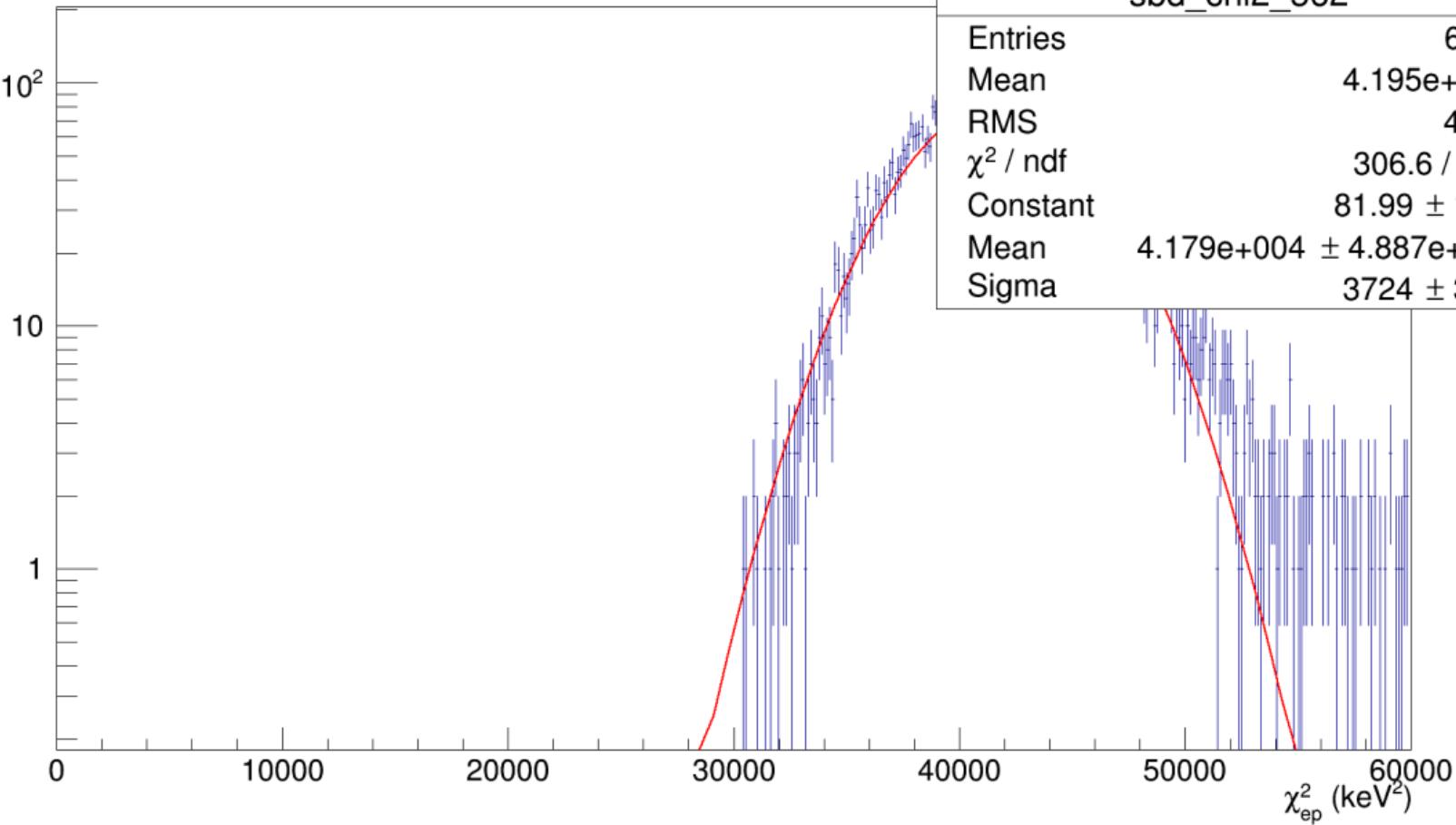
probability



sbd_chi2_561	
Entries	6934
Mean	4.191e+004
RMS	4039
χ^2 / ndf	312 / 215
Constant	84.64 ± 1.32
Mean	4.171e+004 ± 4.843e+001
Sigma	3730 ± 36.5

χ^2_{ep} from 562.00 keV to 563.00 keV

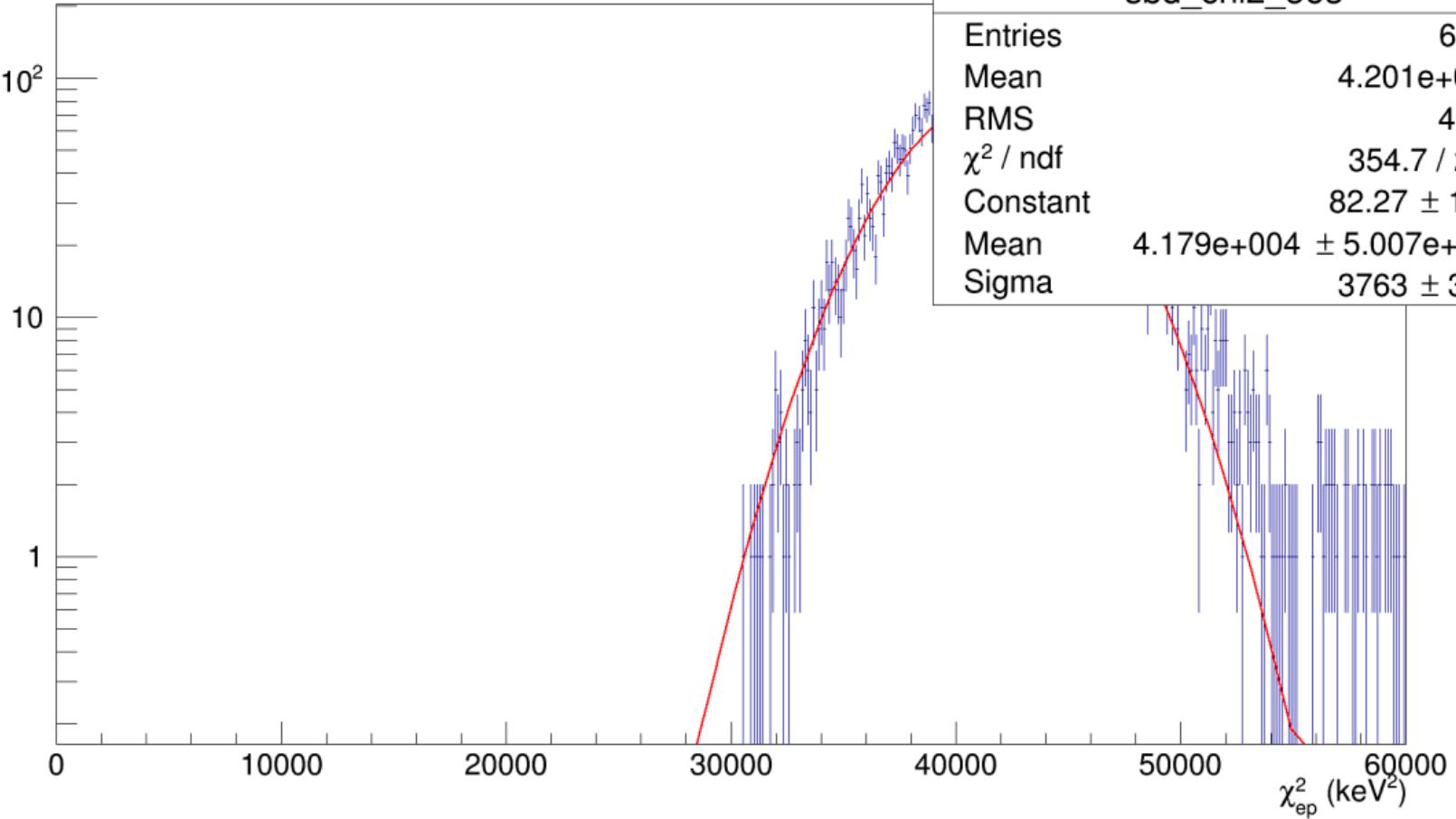
probability



sbd_chi2_562	
Entries	6733
Mean	4.195e+004
RMS	4086
χ^2 / ndf	306.6 / 220
Constant	81.99 ± 1.28
Mean	4.179e+004 ± 4.887e+001
Sigma	3724 ± 35.6

χ^2_{ep} from 563.00 keV to 564.00 keV

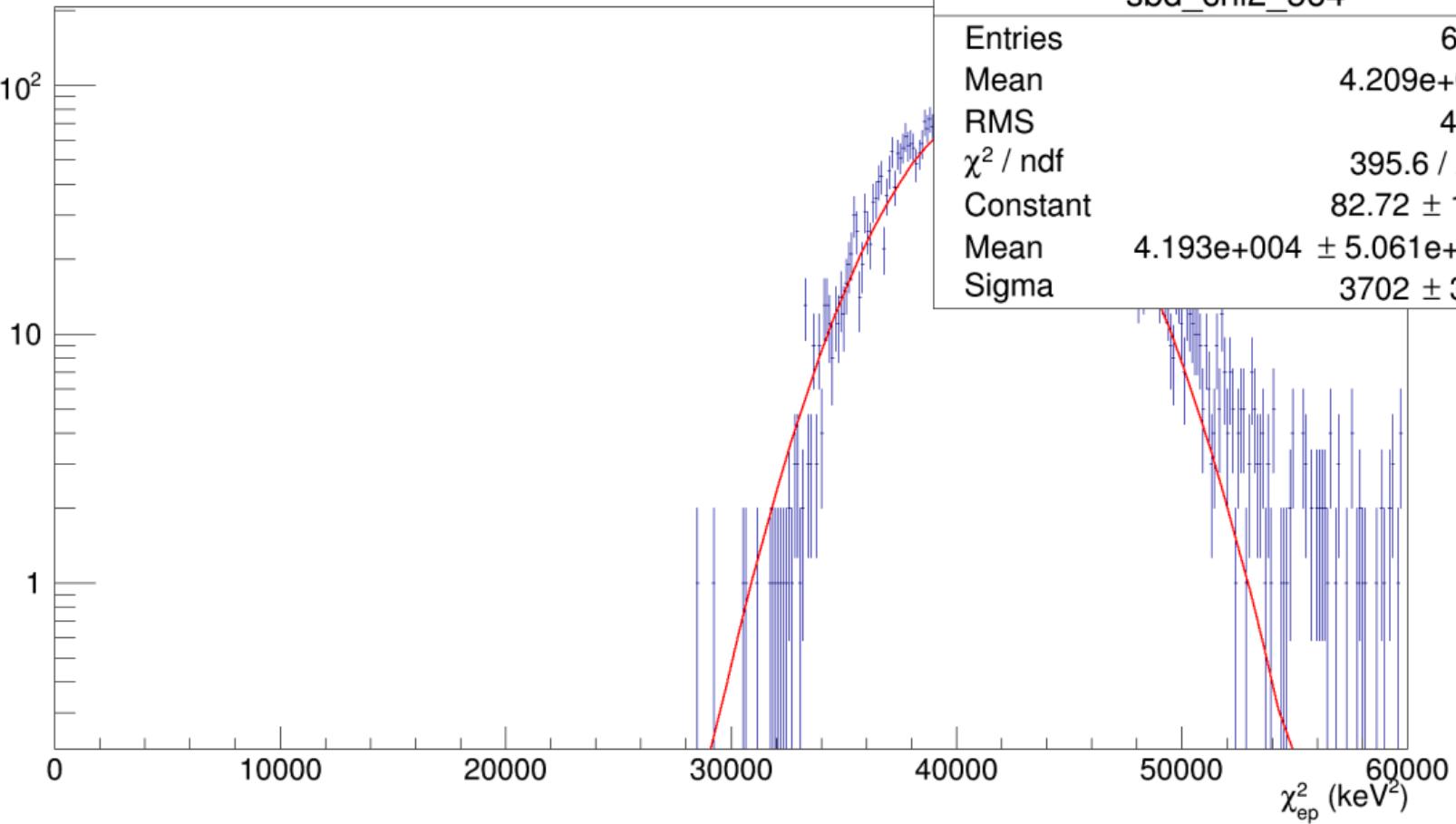
probability



sbd_chi2_563	
Entries	6855
Mean	4.201e+004
RMS	4138
χ^2 / ndf	354.7 / 225
Constant	82.27 ± 1.30
Mean	4.179e+004 ± 5.007e+001
Sigma	3763 ± 37.6

χ^2_{ep} from 564.00 keV to 565.00 keV

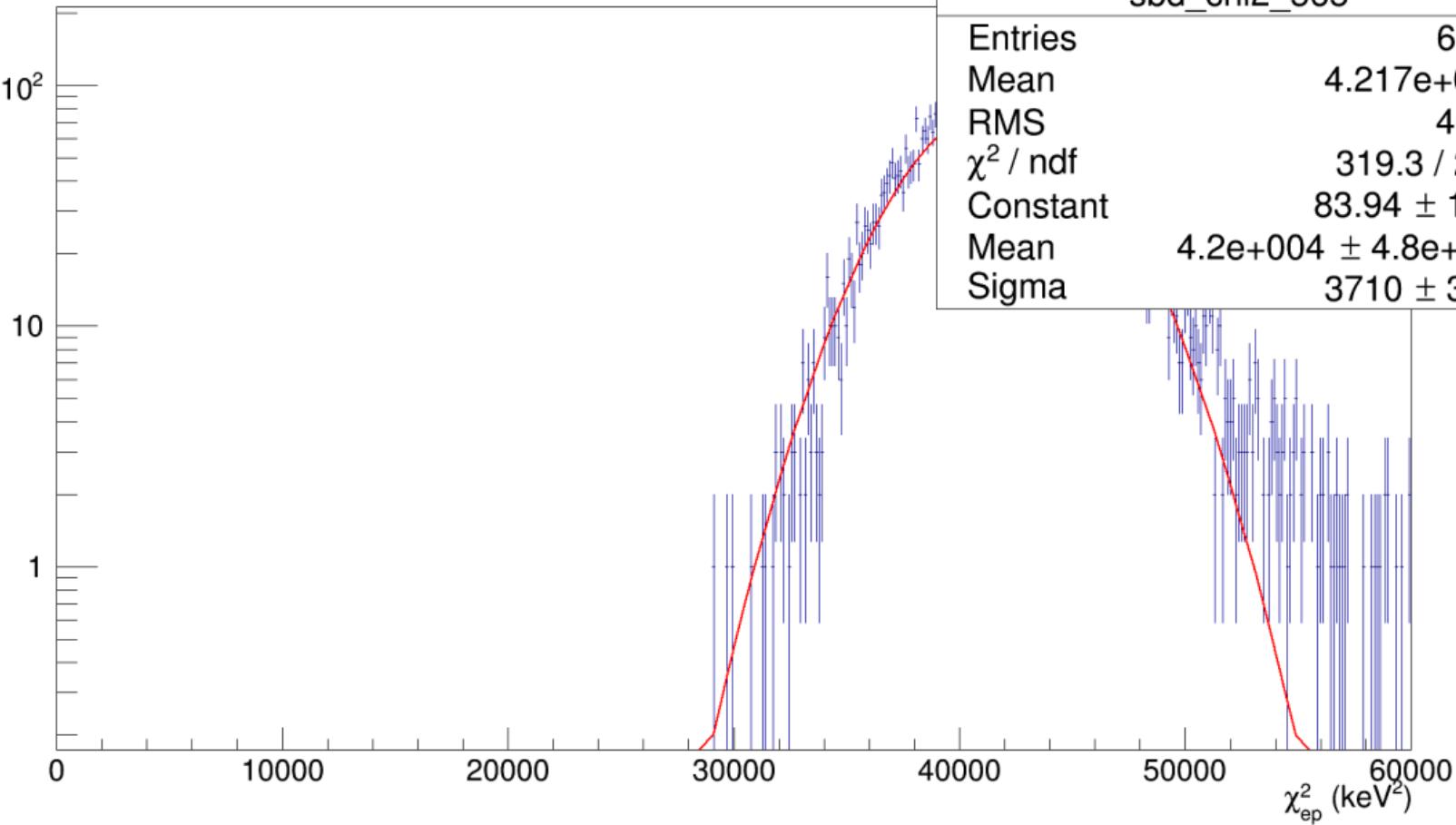
probability



sbd_chi2_564	
Entries	6852
Mean	4.209e+004
RMS	4124
χ^2 / ndf	395.6 / 218
Constant	82.72 ± 1.30
Mean	4.193e+004 ± 5.061e+001
Sigma	3702 ± 36.0

χ^2_{ep} from 565.00 keV to 566.00 keV

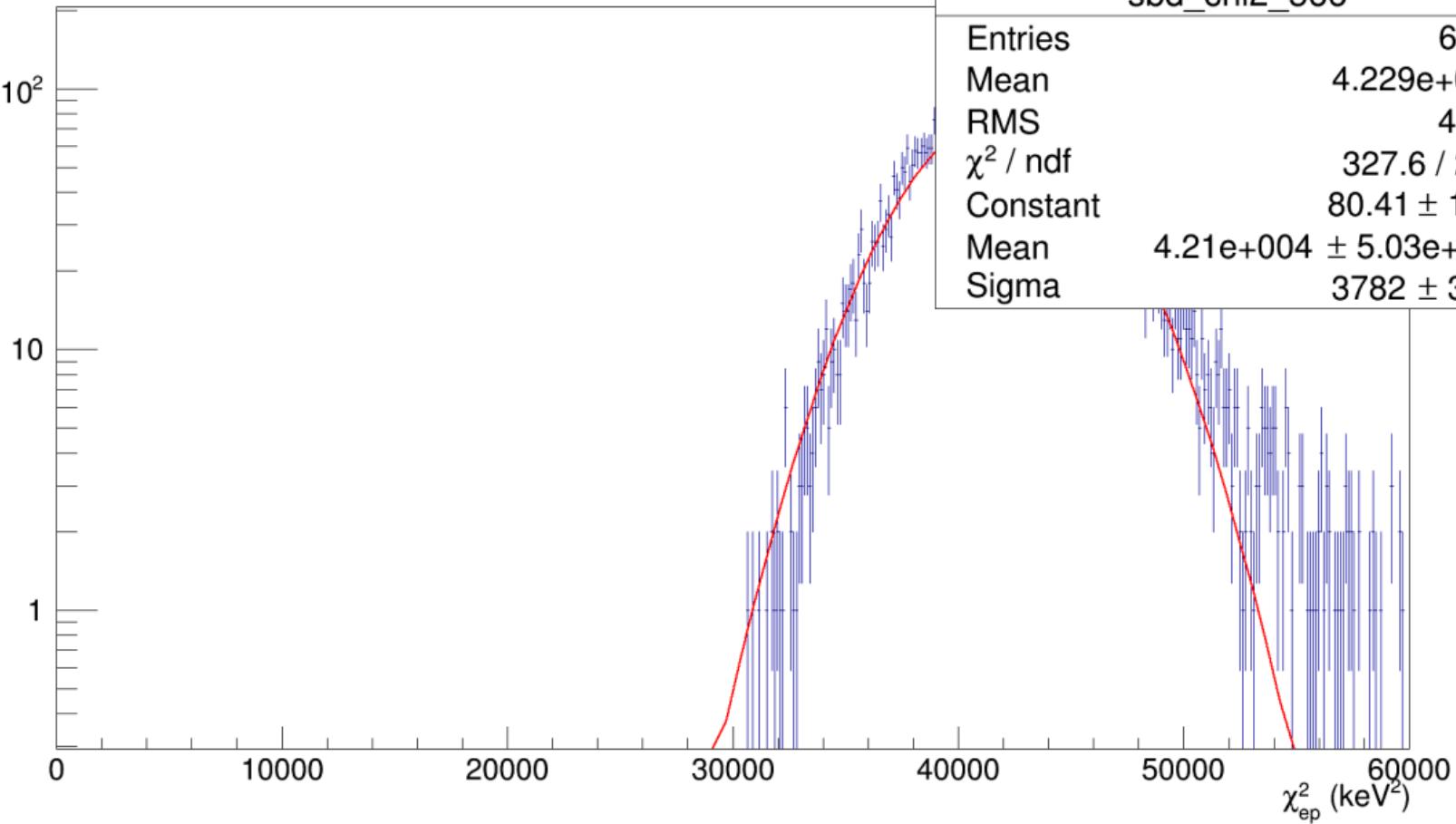
probability



sbd_chi2_565	
Entries	6853
Mean	4.217e+004
RMS	4037
χ^2 / ndf	319.3 / 216
Constant	83.94 ± 1.32
Mean	$4.2\text{e+}004 \pm 4.8\text{e+}001$
Sigma	3710 ± 36.6

χ^2_{ep} from 566.00 keV to 567.00 keV

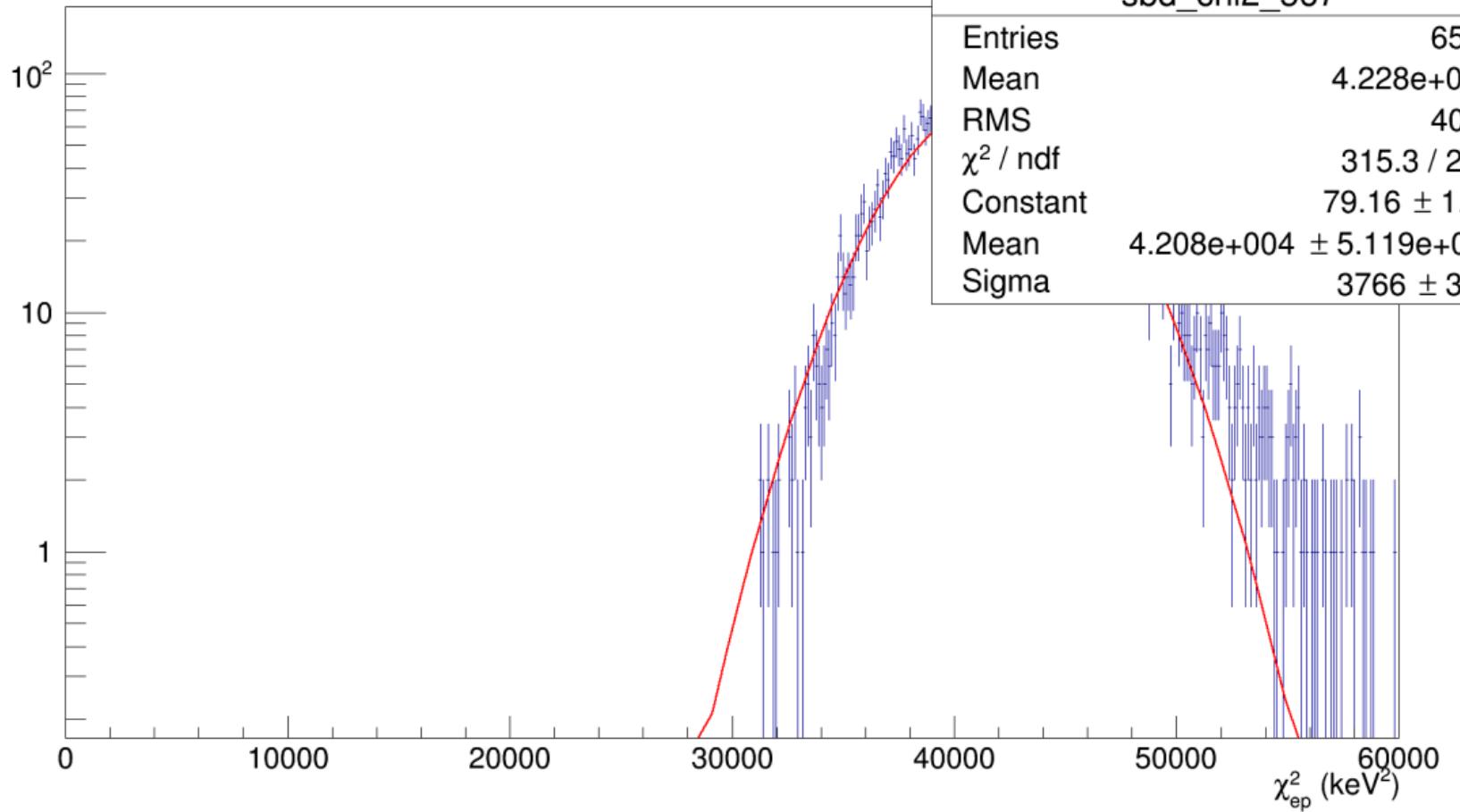
probability



sbd_chi2_566	
Entries	6705
Mean	4.229e+004
RMS	4106
χ^2 / ndf	327.6 / 219
Constant	80.41 ± 1.28
Mean	4.21e+004 ± 5.03e+001
Sigma	3782 ± 37.6

χ^2_{ep} from 567.00 keV to 568.00 keV

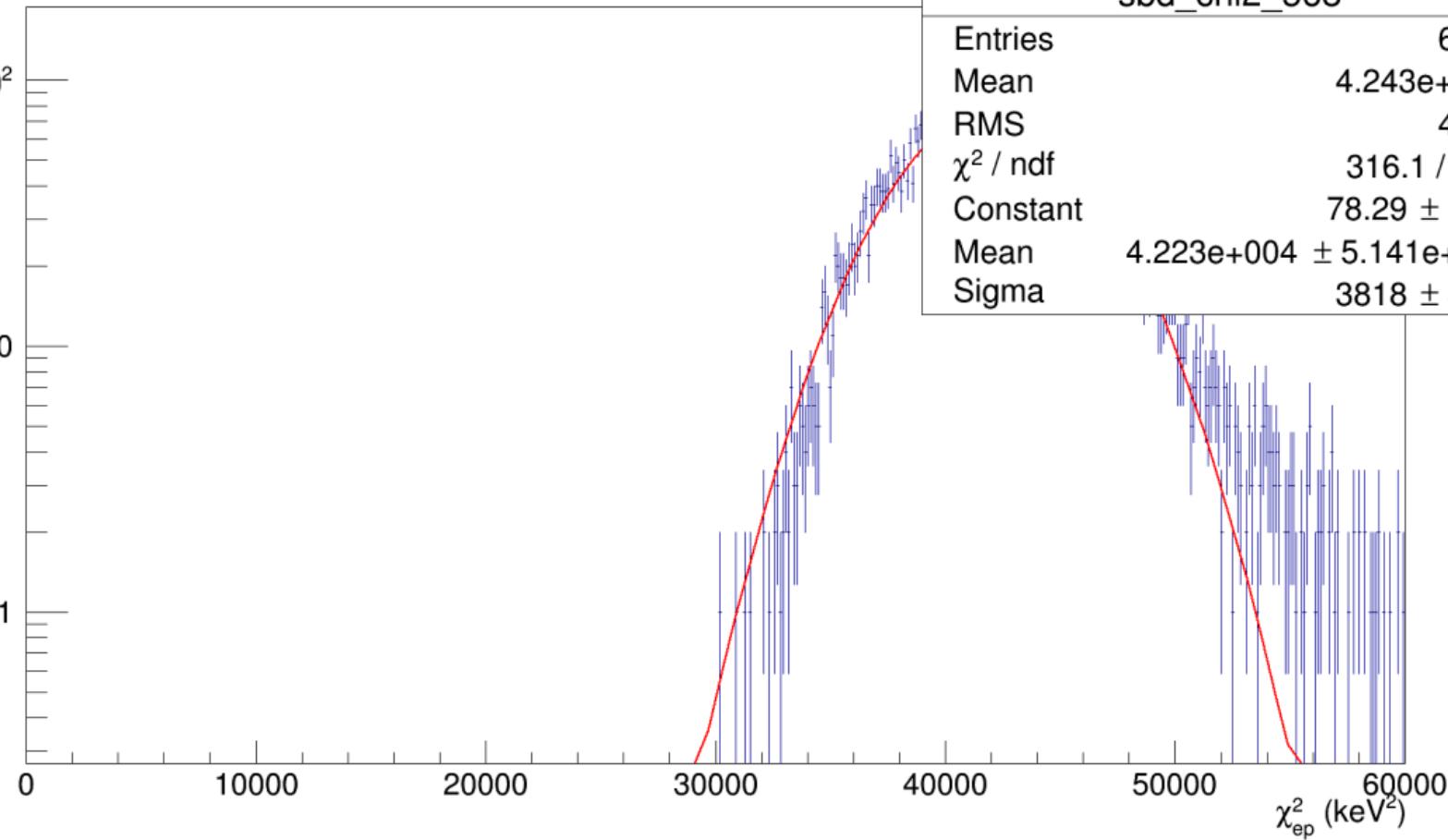
probability



χ^2_{ep} from 568.00 keV to 569.00 keV

probability

sbd_chi2_568	
Entries	6577
Mean	4.243e+004
RMS	4128
χ^2 / ndf	316.1 / 215
Constant	78.29 ± 1.26
Mean	4.223e+004 ± 5.141e+001
Sigma	3818 ± 39.3



χ^2_{ep} from 569.00 keV to 570.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

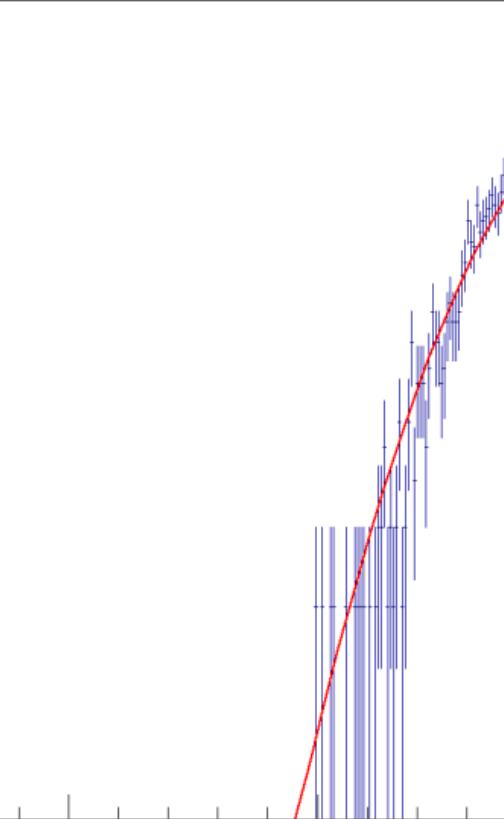
50000

60000

χ^2_{ep} (keV²)

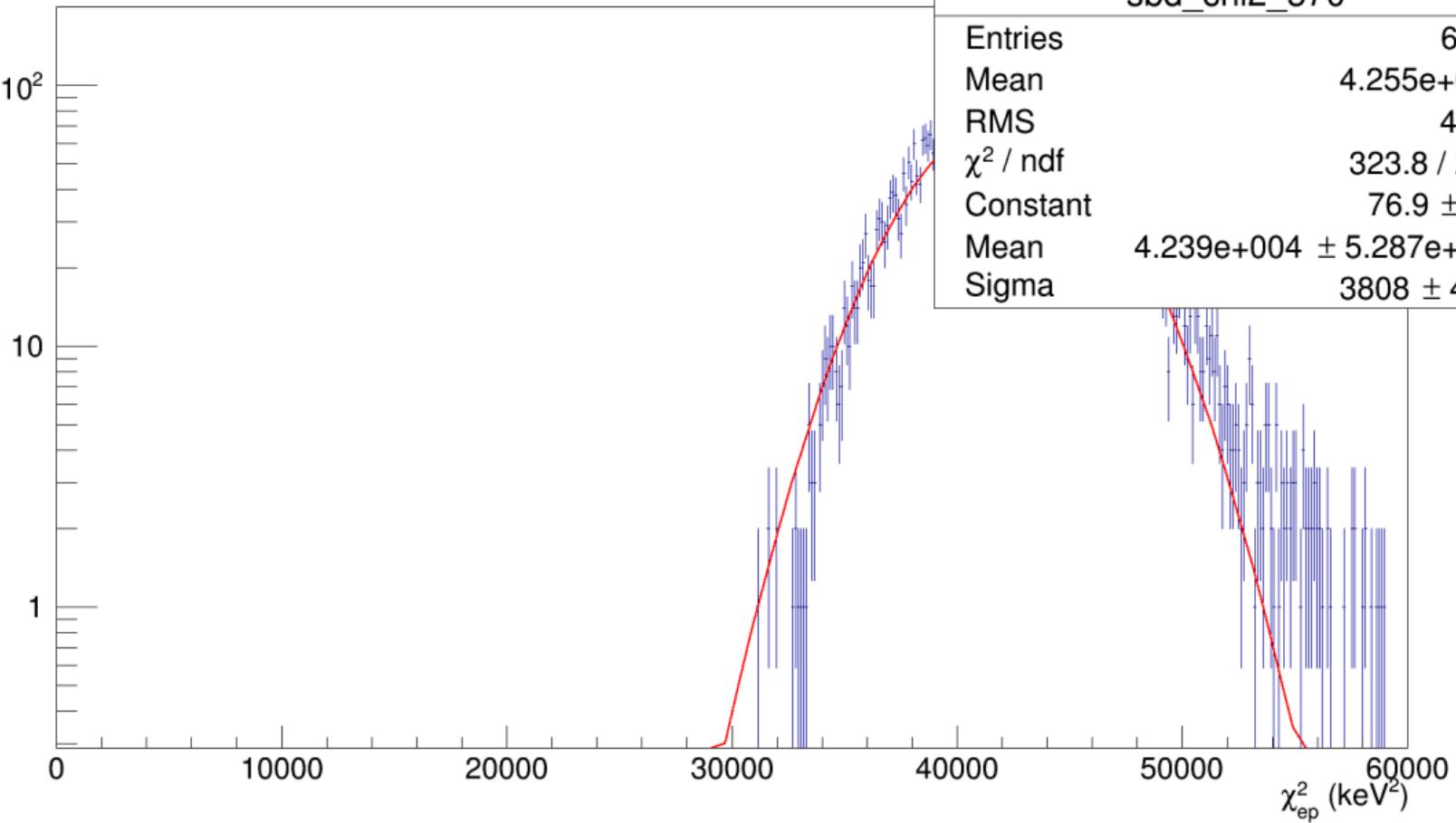
sbd_chi2_569

Entries	6518
Mean	4.251e+004
RMS	4039
χ^2 / ndf	270.1 / 220
Constant	79.58 ± 1.26
Mean	4.238e+004 ± 4.987e+001
Sigma	3738 ± 35.9



χ^2_{ep} from 570.00 keV to 571.00 keV

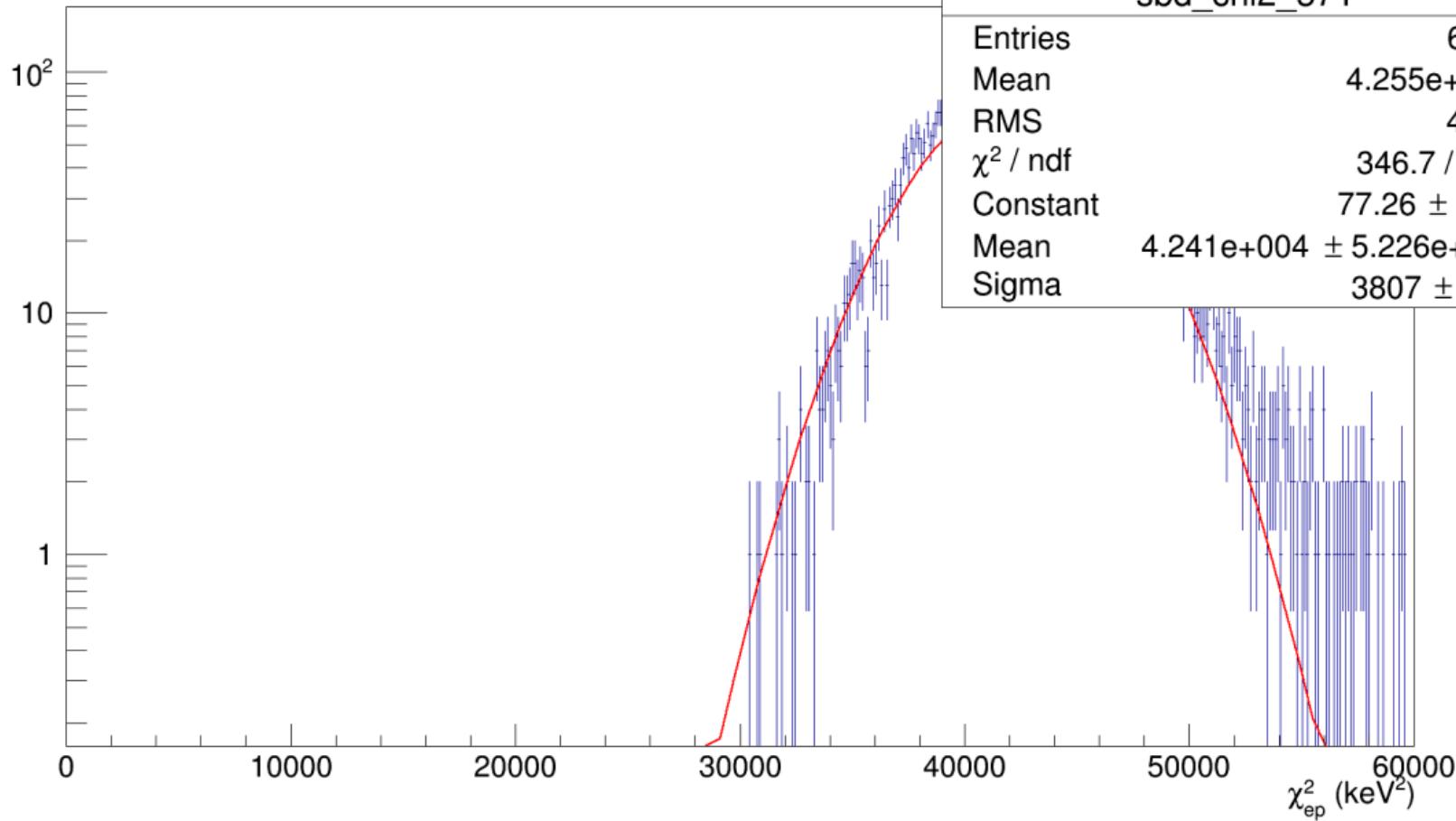
probability



sbd_chi2_570	
Entries	6466
Mean	4.255e+004
RMS	4059
χ^2 / ndf	323.8 / 207
Constant	76.9 ± 1.3
Mean	4.239e+004 ± 5.287e+001
Sigma	3808 ± 40.0

χ^2_{ep} from 571.00 keV to 572.00 keV

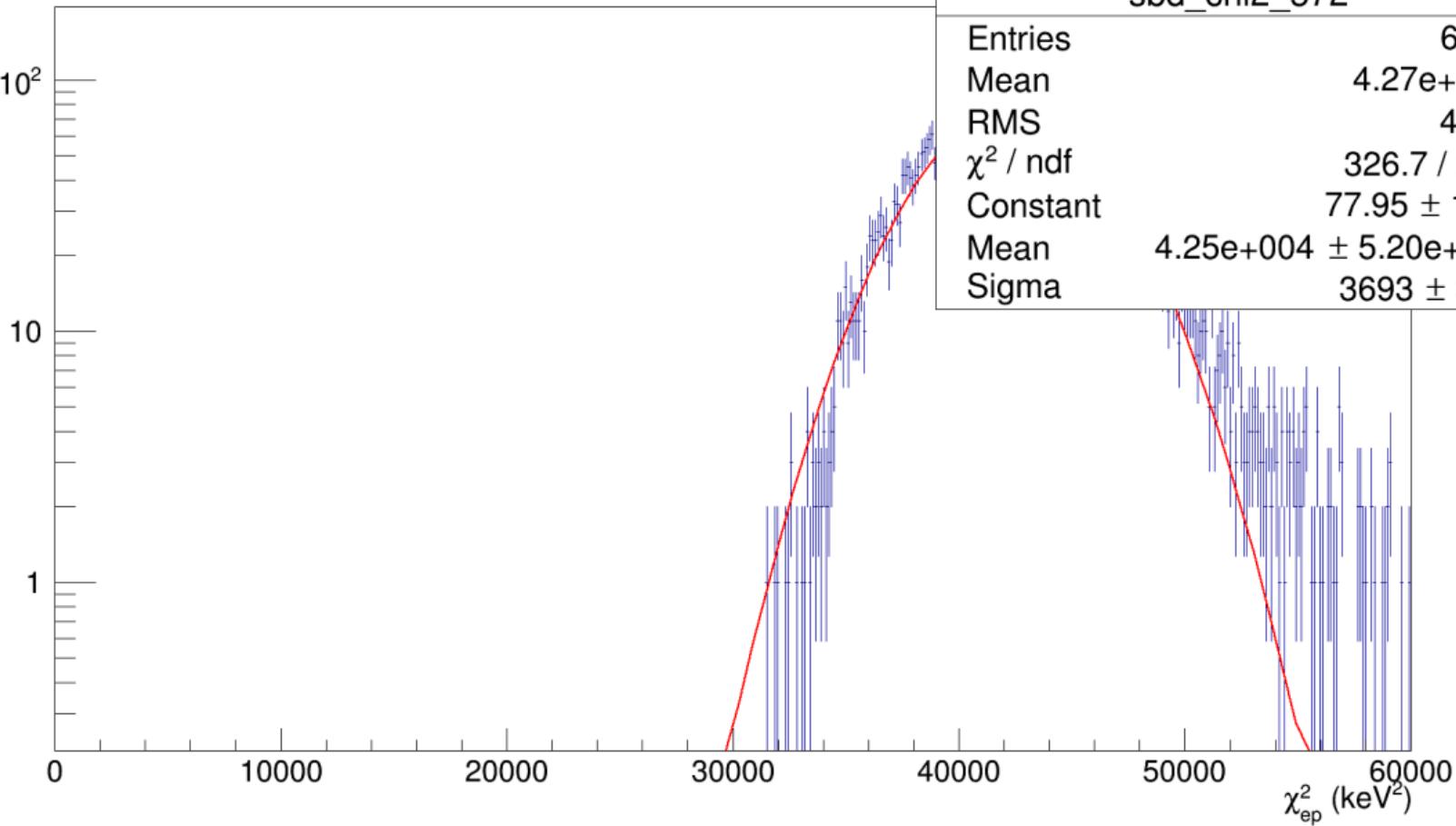
probability



sbd_chi2_571	
Entries	6530
Mean	4.255e+004
RMS	4096
χ^2 / ndf	346.7 / 220
Constant	77.26 ± 1.28
Mean	4.241e+004 ± 5.226e+001
Sigma	3807 ± 41.1

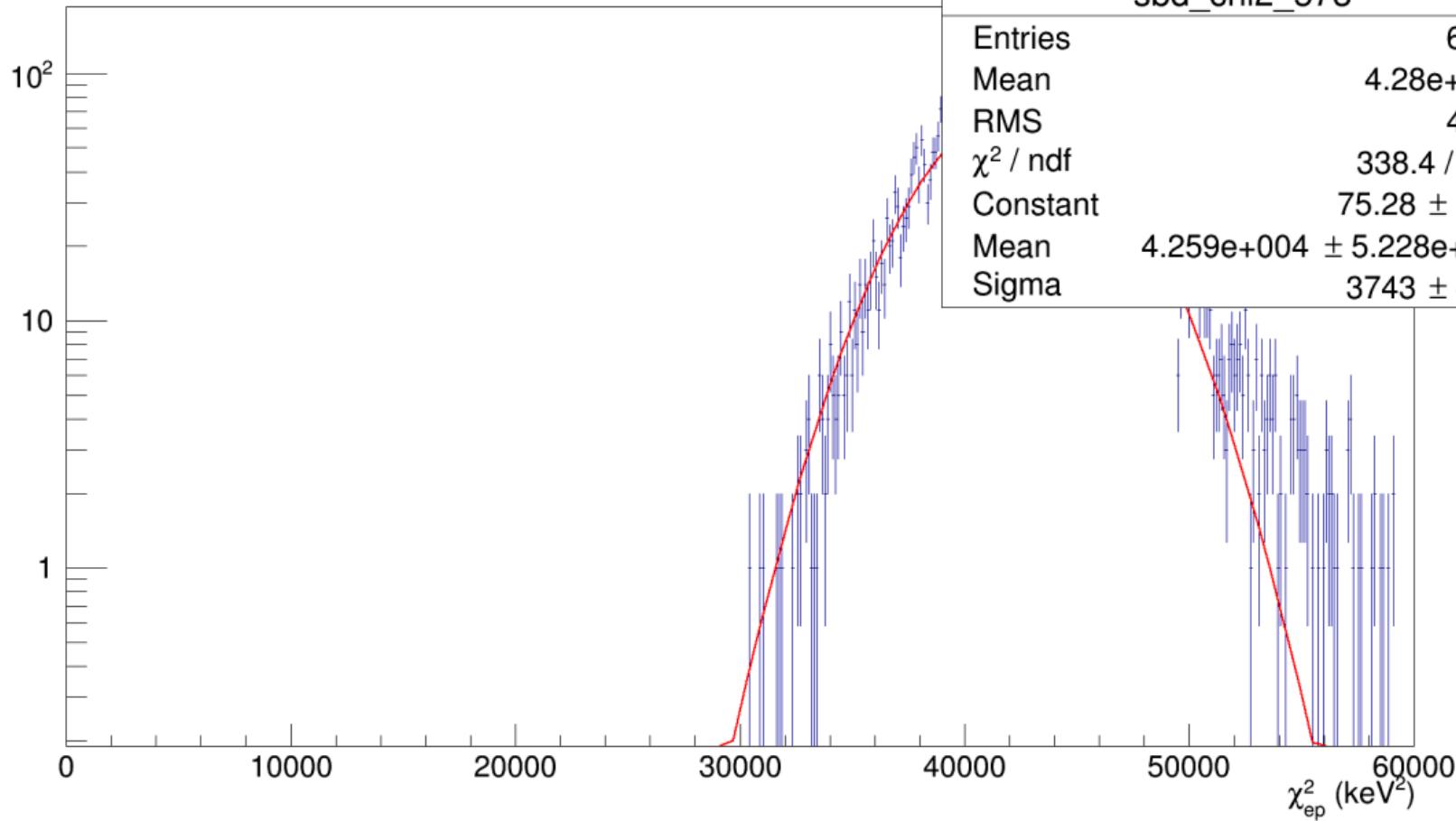
χ^2_{ep} from 572.00 keV to 573.00 keV

probability



χ^2_{ep} from 573.00 keV to 574.00 keV

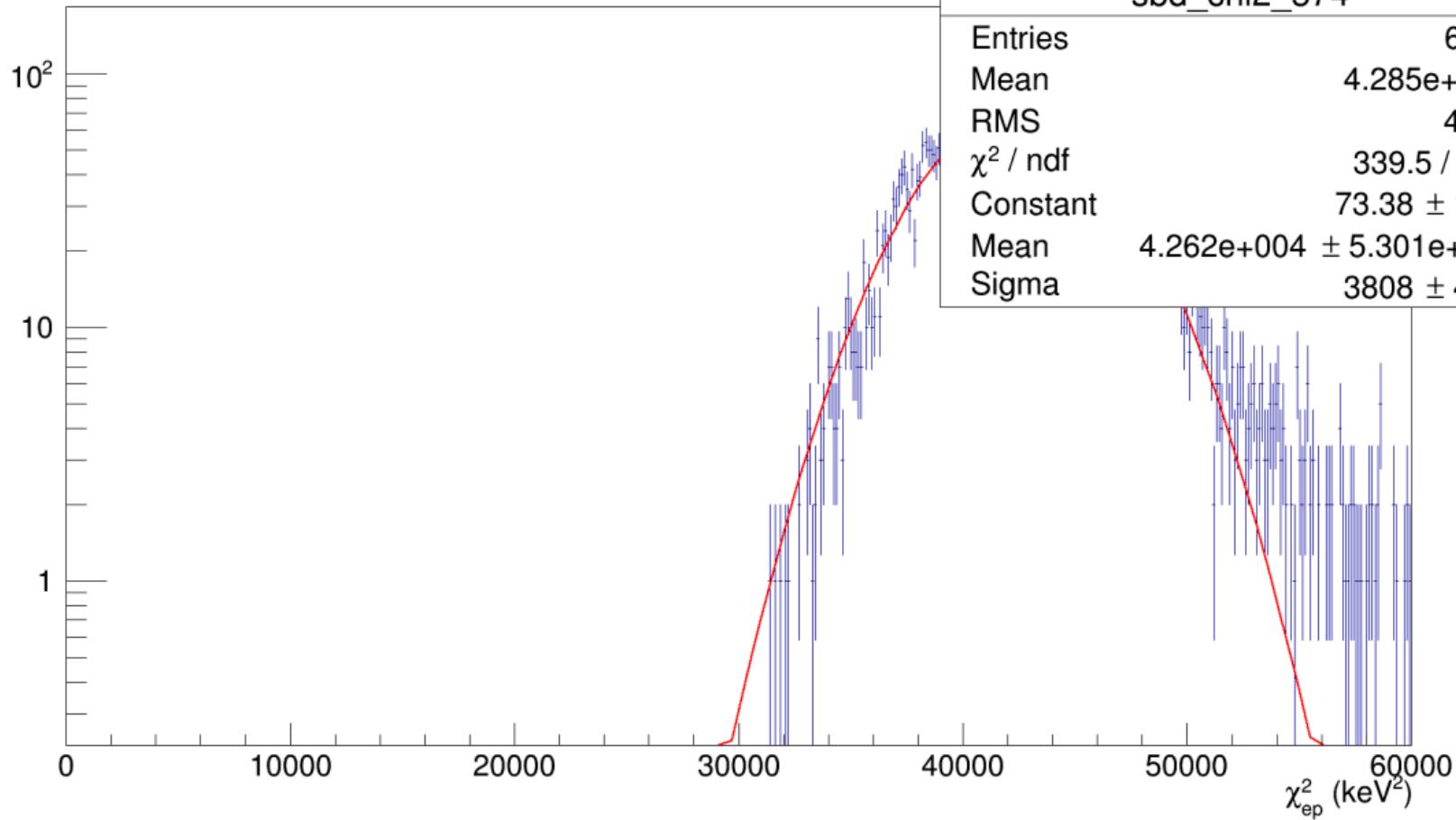
probability



sbd_chi2_573	
Entries	6254
Mean	4.28e+004
RMS	4045
χ^2 / ndf	338.4 / 210
Constant	75.28 ± 1.27
Mean	4.259e+004 ± 5.228e+001
Sigma	3743 ± 40.7

χ^2_{ep} from 574.00 keV to 575.00 keV

probability

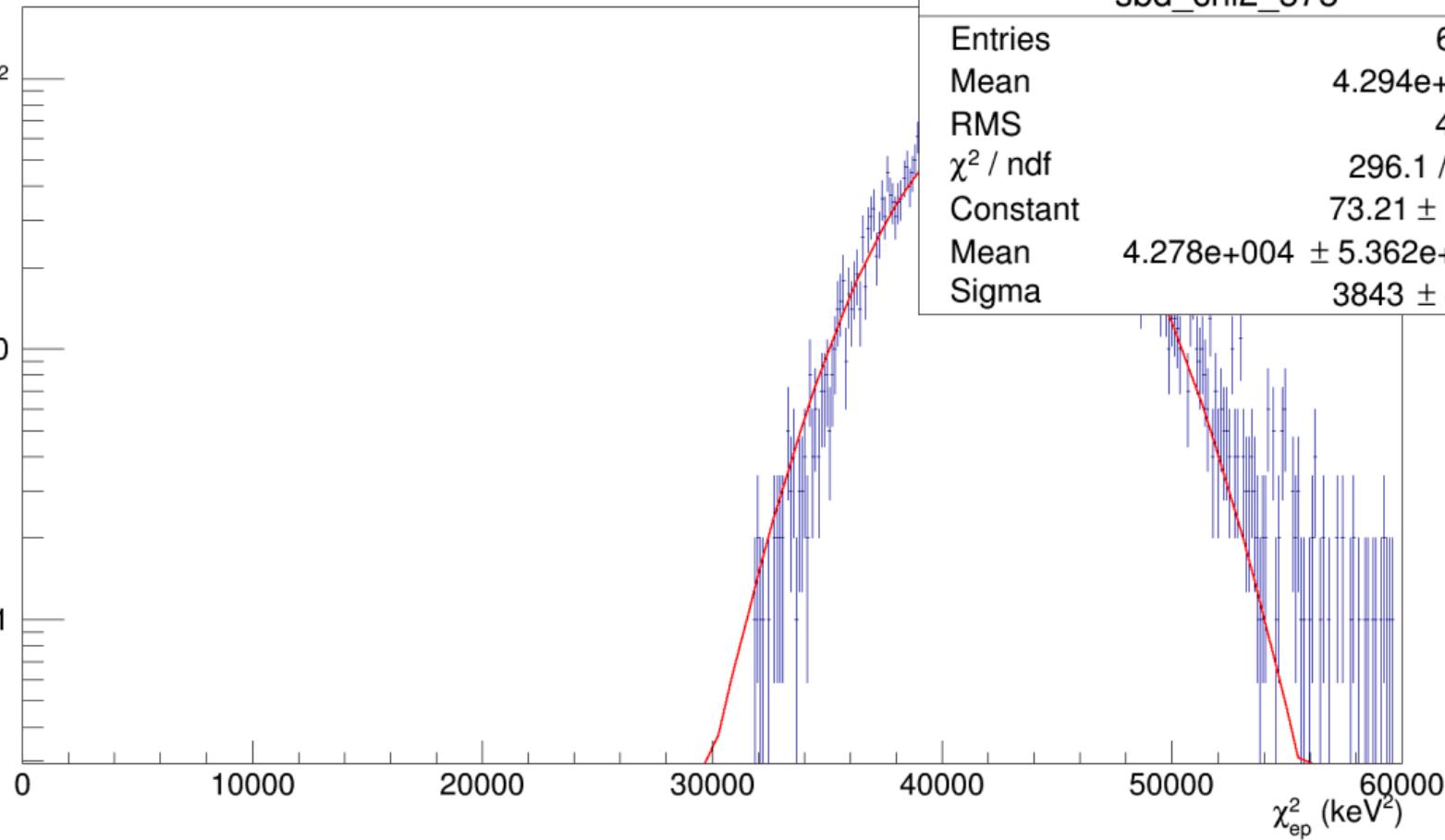


sbd_chi2_574	
Entries	6209
Mean	4.285e+004
RMS	4155
χ^2 / ndf	339.5 / 214
Constant	73.38 ± 1.24
Mean	4.262e+004 ± 5.301e+001
Sigma	3808 ± 41.9

χ^2_{ep} from 575.00 keV to 576.00 keV

probability

sbd_chi2_575	
Entries	6205
Mean	4.294e+004
RMS	4090
χ^2 / ndf	296.1 / 211
Constant	73.21 ± 1.22
Mean	4.278e+004 ± 5.362e+001
Sigma	3843 ± 40.8



χ^2_{ep} from 576.00 keV to 577.00 keV

probability

10²

10

1

0

10000

20000

30000

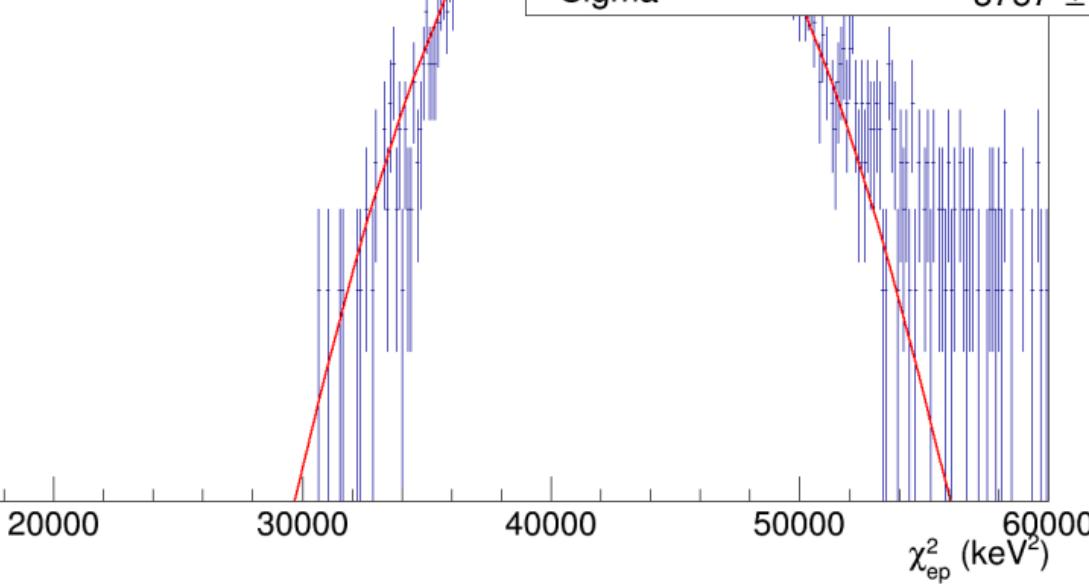
40000

50000

60000

χ^2_{ep} (keV²)

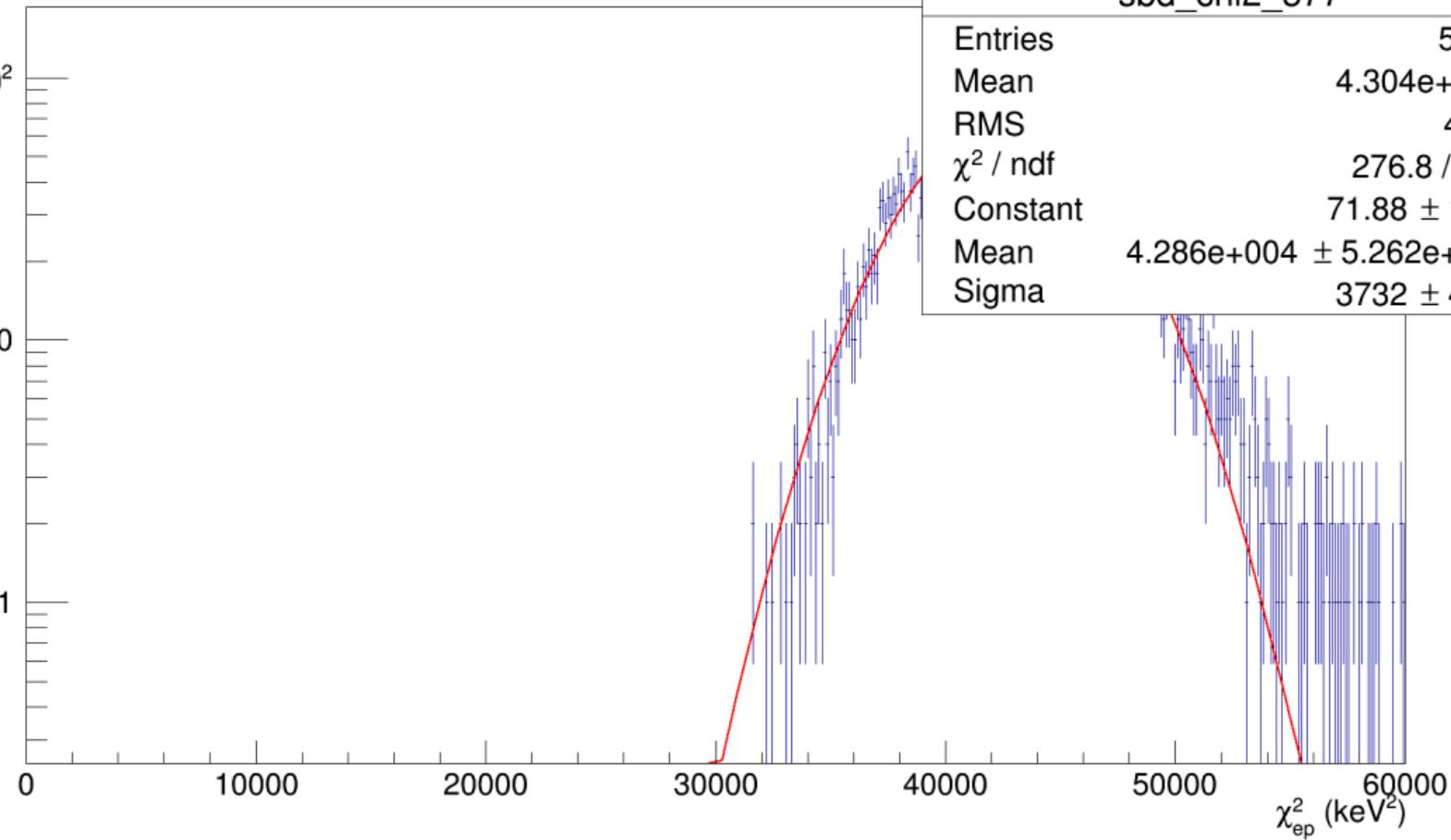
sbd_chi2_576	
Entries	6115
Mean	4.303e+004
RMS	4043
χ^2 / ndf	278.1 / 215
Constant	73.79 ± 1.23
Mean	4.287e+004 ± 5.165e+001
Sigma	3757 ± 39.2



χ^2_{ep} from 577.00 keV to 578.00 keV

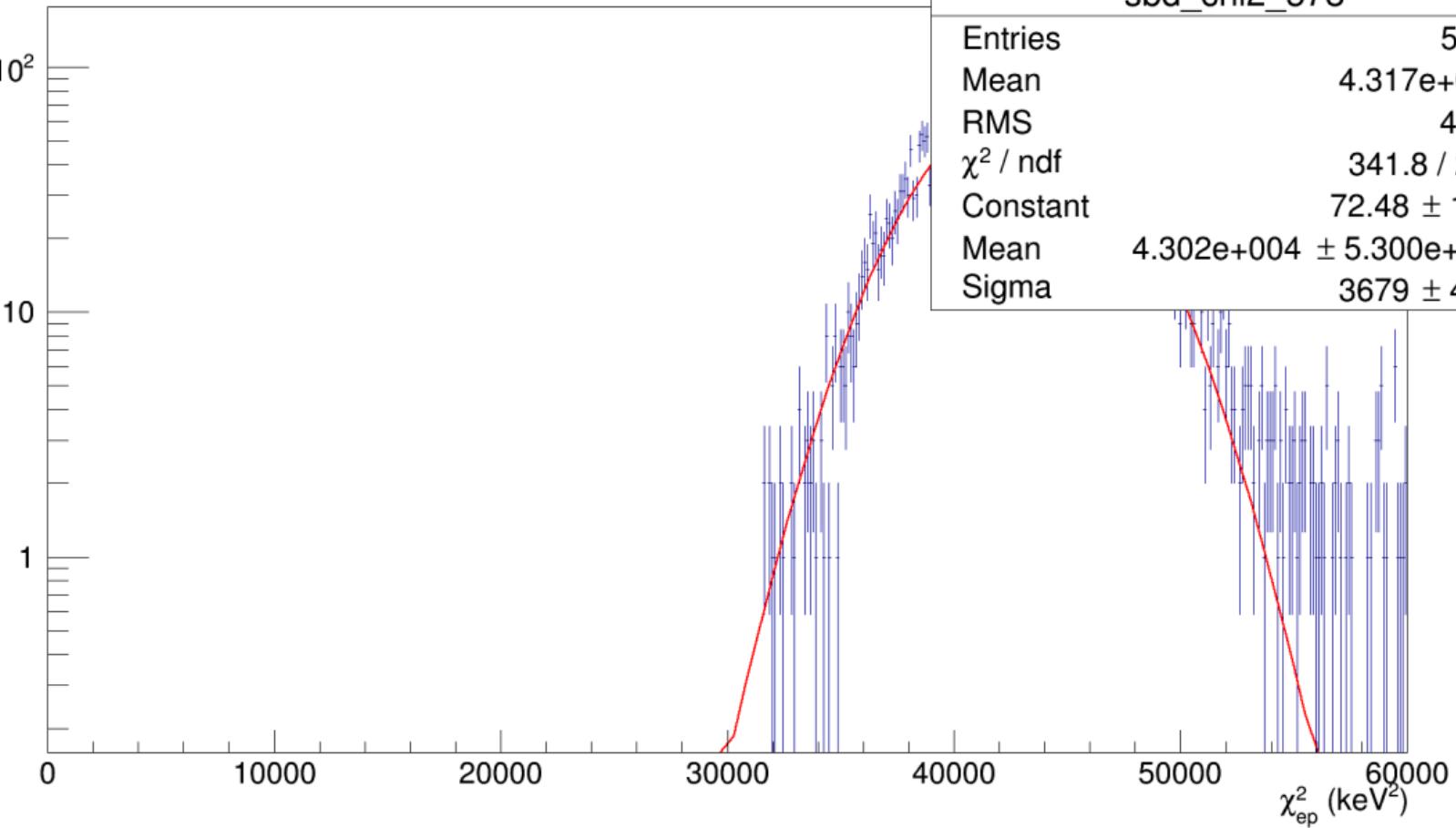
probability

sbd_chi2_577	
Entries	5917
Mean	4.304e+004
RMS	4021
χ^2 / ndf	276.8 / 211
Constant	71.88 ± 1.23
Mean	4.286e+004 ± 5.262e+001
Sigma	3732 ± 41.2



χ^2_{ep} from 578.00 keV to 579.00 keV

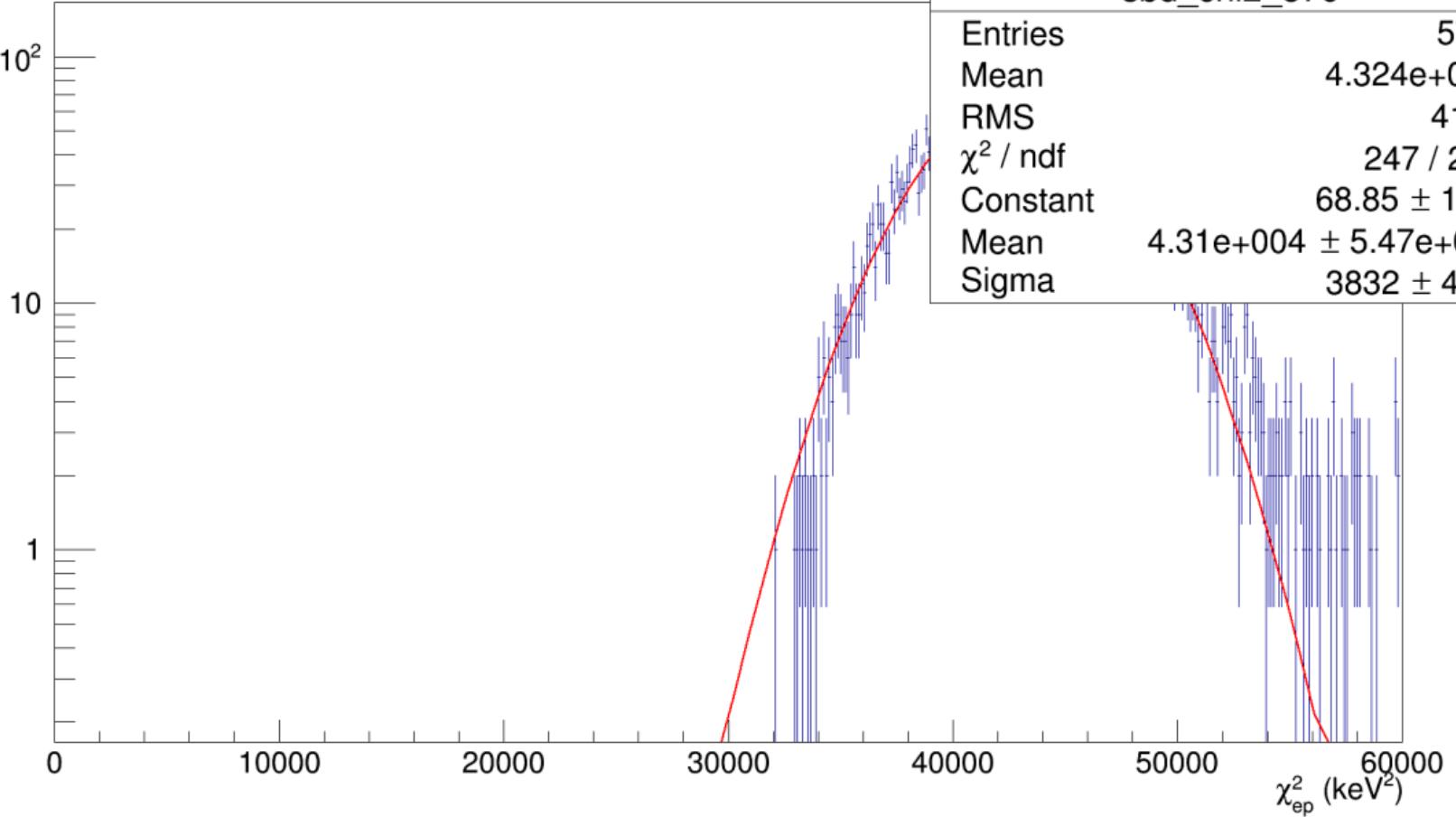
probability



sbd_chi2_578	
Entries	5958
Mean	4.317e+004
RMS	4092
χ^2 / ndf	341.8 / 214
Constant	72.48 ± 1.24
Mean	4.302e+004 ± 5.300e+001
Sigma	3679 ± 40.0

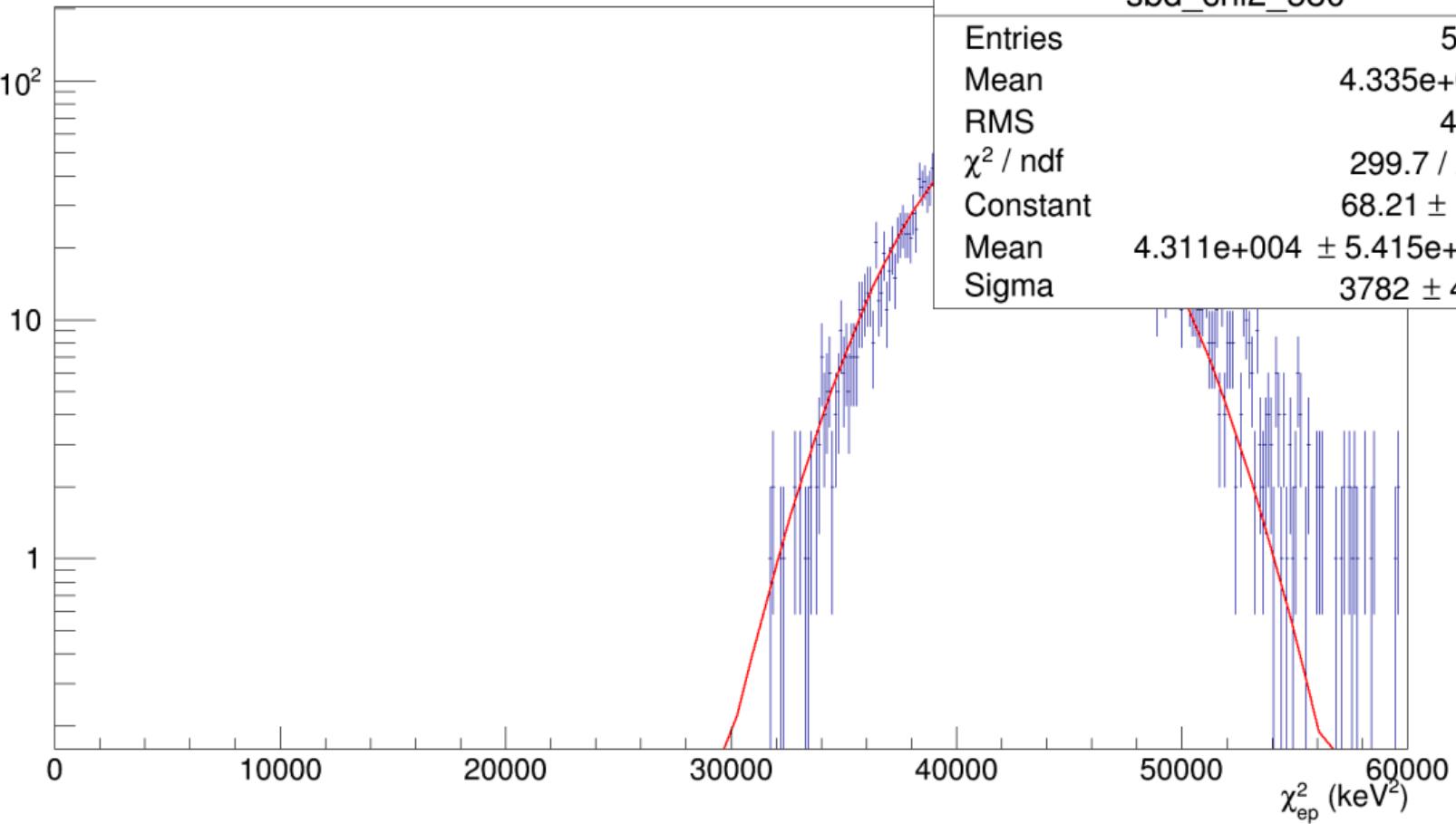
χ^2_{ep} from 579.00 keV to 580.00 keV

probability



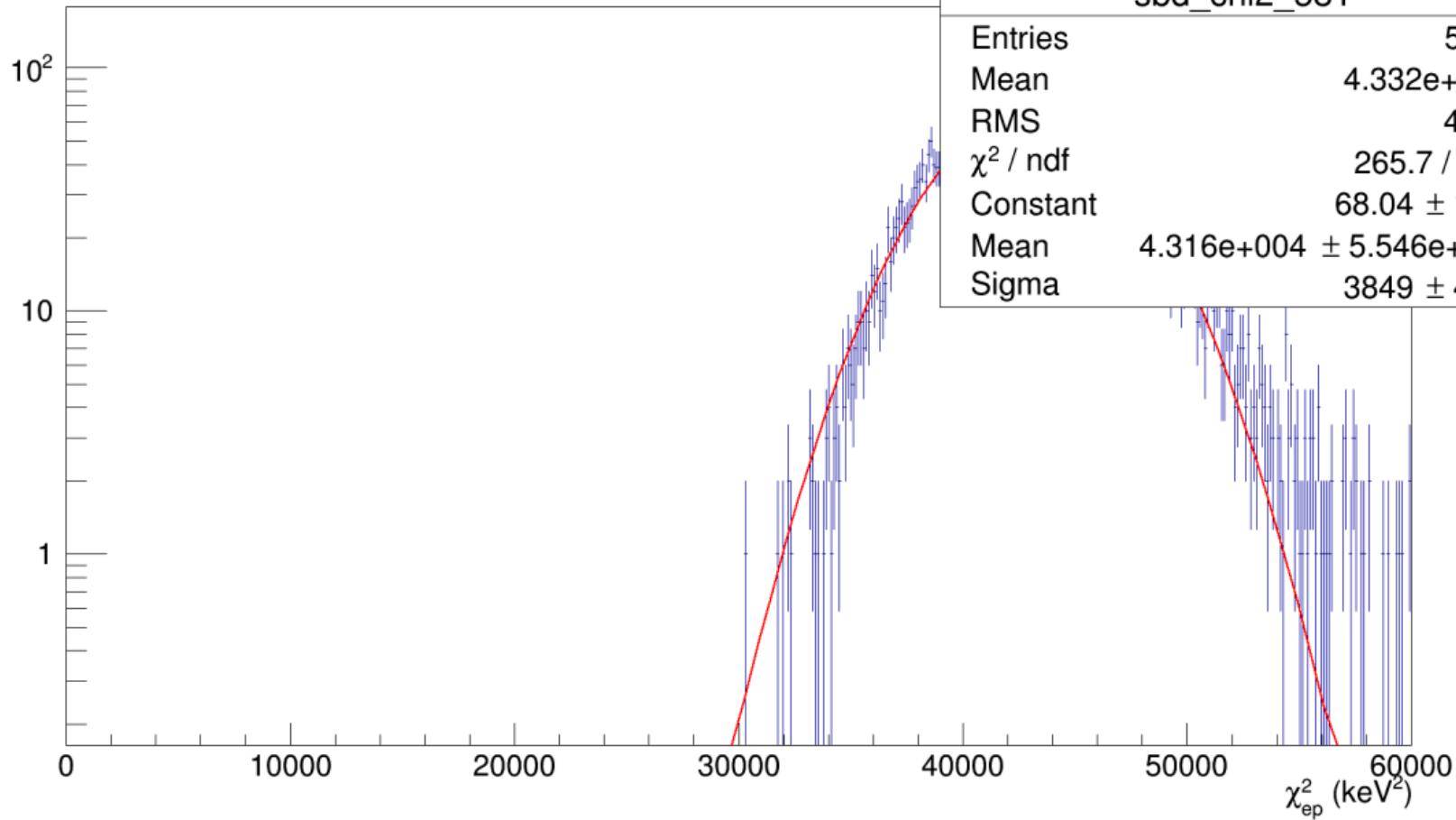
χ^2_{ep} from 580.00 keV to 581.00 keV

probability



χ^2_{ep} from 581.00 keV to 582.00 keV

probability

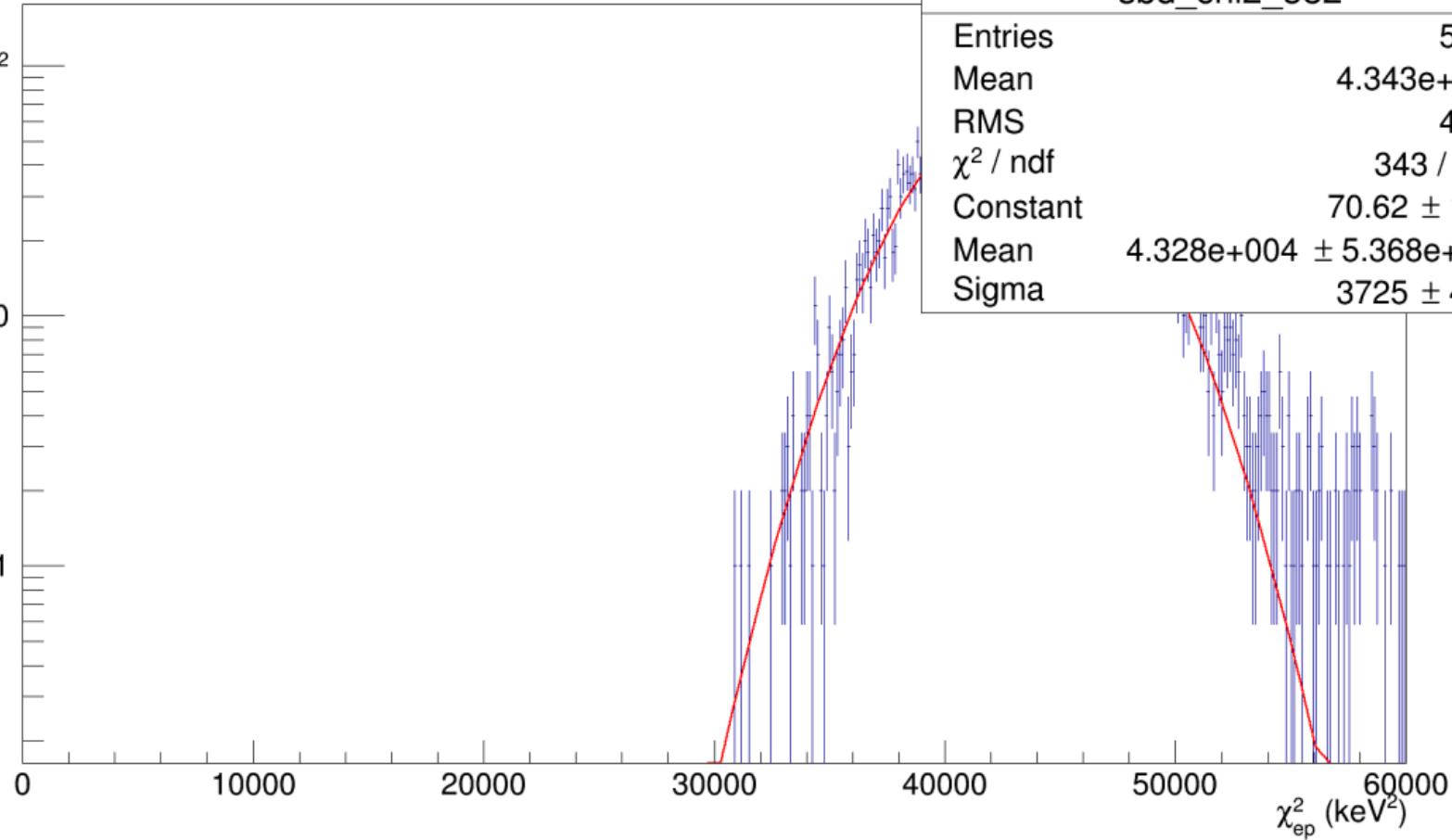


sbd_chi2_581	
Entries	5770
Mean	4.332e+004
RMS	4075
χ^2 / ndf	265.7 / 209
Constant	68.04 ± 1.17
Mean	4.316e+004 ± 5.546e+001
Sigma	3849 ± 42.2

χ^2_{ep} from 582.00 keV to 583.00 keV

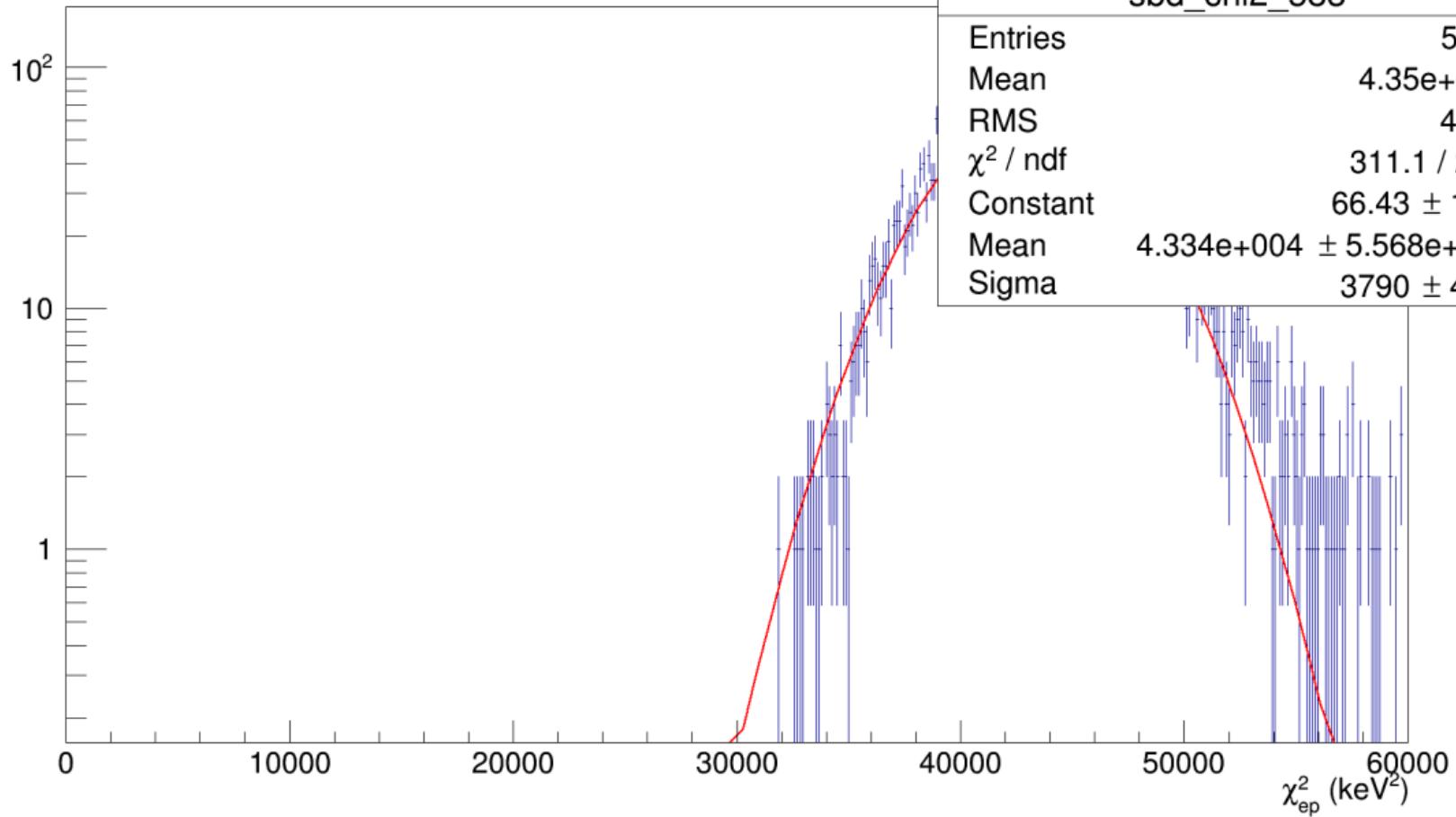
probability

sbd_chi2_582	
Entries	5877
Mean	4.343e+004
RMS	4087
χ^2 / ndf	343 / 213
Constant	70.62 ± 1.23
Mean	4.328e+004 ± 5.368e+001
Sigma	3725 ± 41.7



χ^2_{ep} from 583.00 keV to 584.00 keV

probability



sbd_chi2_583	
Entries	5613
Mean	4.35e+004
RMS	4105
χ^2 / ndf	311.1 / 214
Constant	66.43 ± 1.17
Mean	4.334e+004 ± 5.568e+001
Sigma	3790 ± 41.9

χ^2_{ep} from 584.00 keV to 585.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

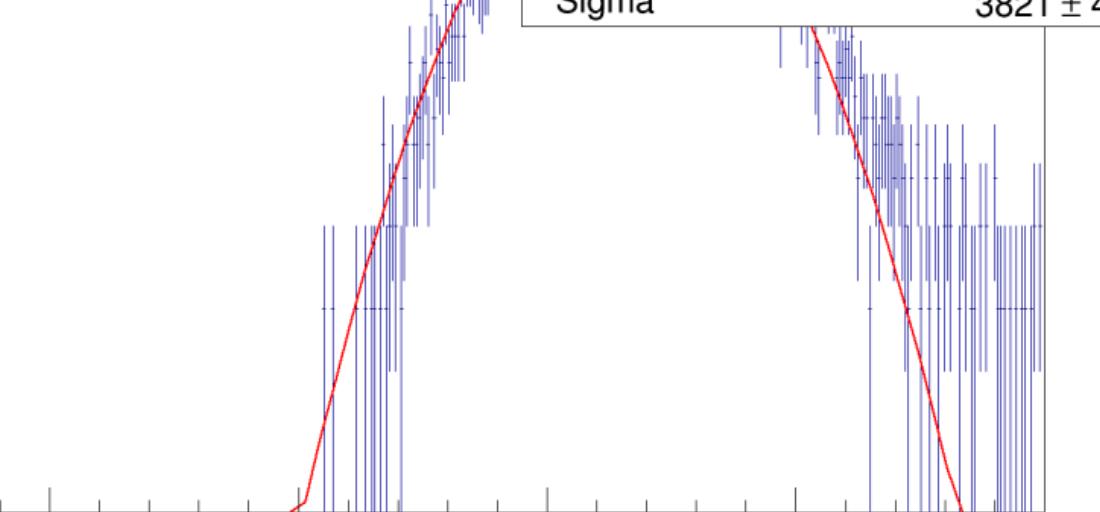
50000

60000

χ^2_{ep} (keV²)

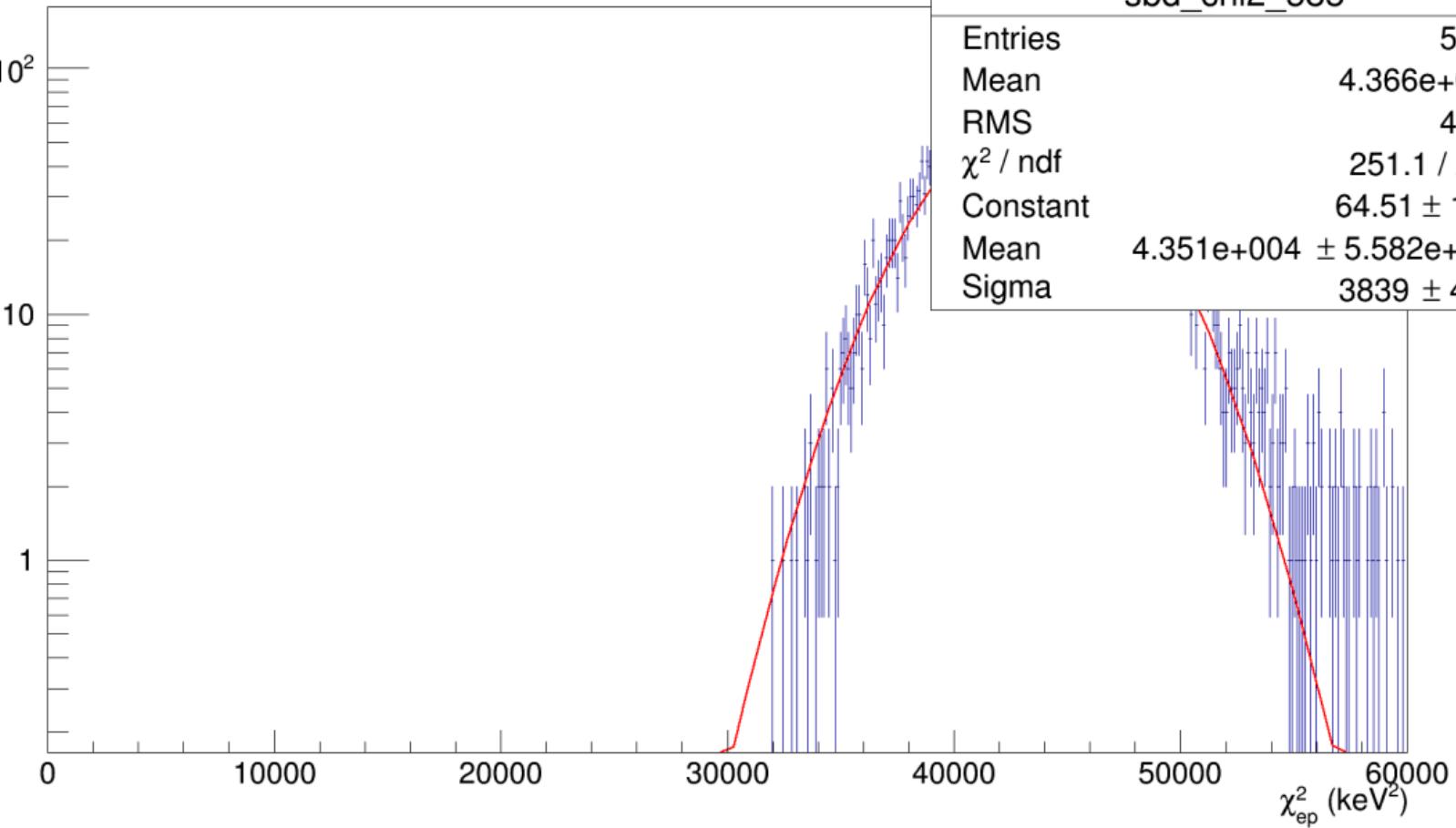
sbd_chi2_584

Entries	5666
Mean	4.355e+004
RMS	4044
χ^2 / ndf	276.3 / 208
Constant	67.06 ± 1.18
Mean	4.337e+004 ± 5.509e+001
Sigma	3821 ± 43.3



χ^2_{ep} from 585.00 keV to 586.00 keV

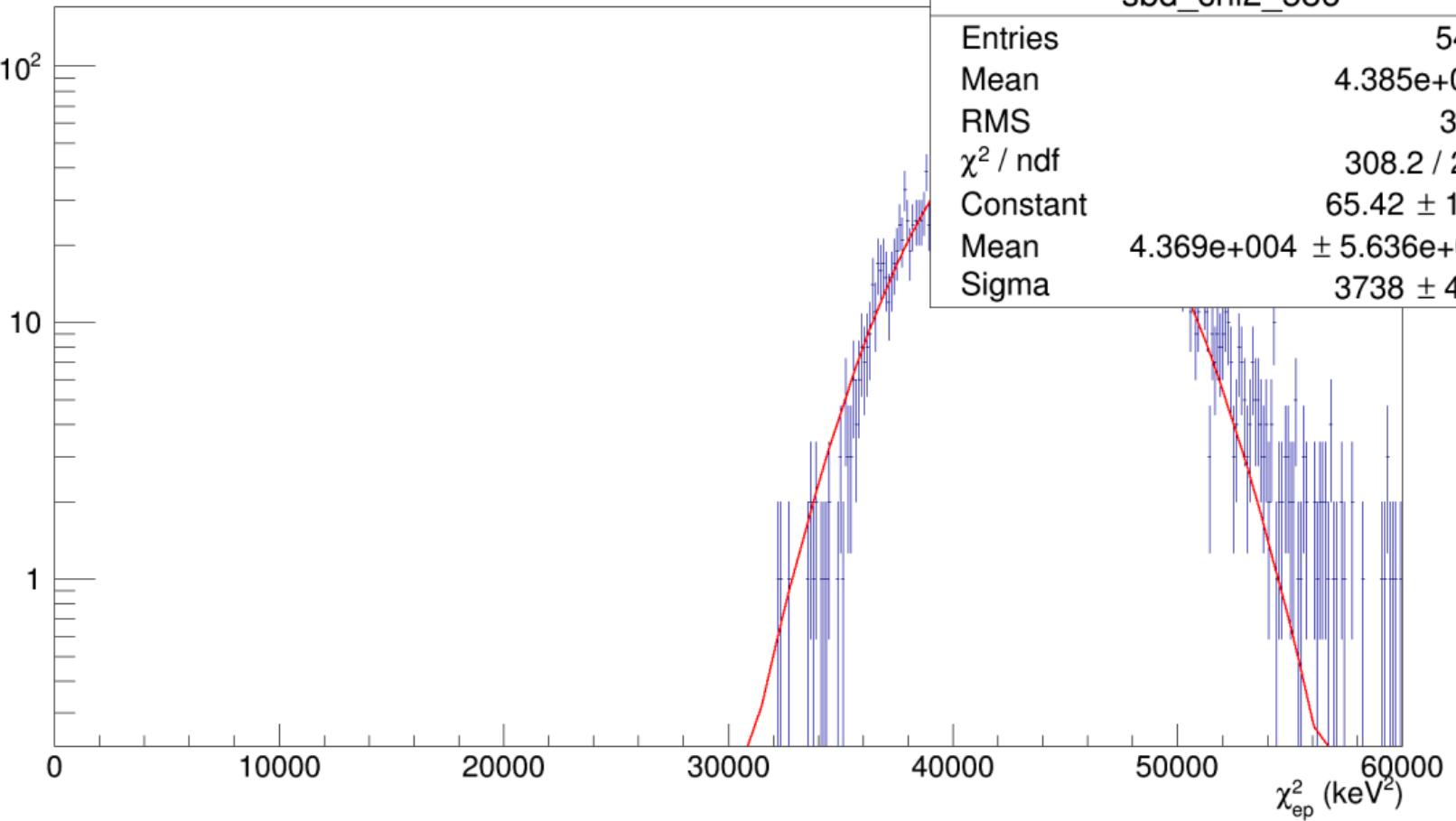
probability



sbd_chi2_585	
Entries	5457
Mean	4.366e+004
RMS	4106
χ^2 / ndf	251.1 / 212
Constant	64.51 ± 1.14
Mean	4.351e+004 ± 5.582e+001
Sigma	3839 ± 42.9

χ^2_{ep} from 586.00 keV to 587.00 keV

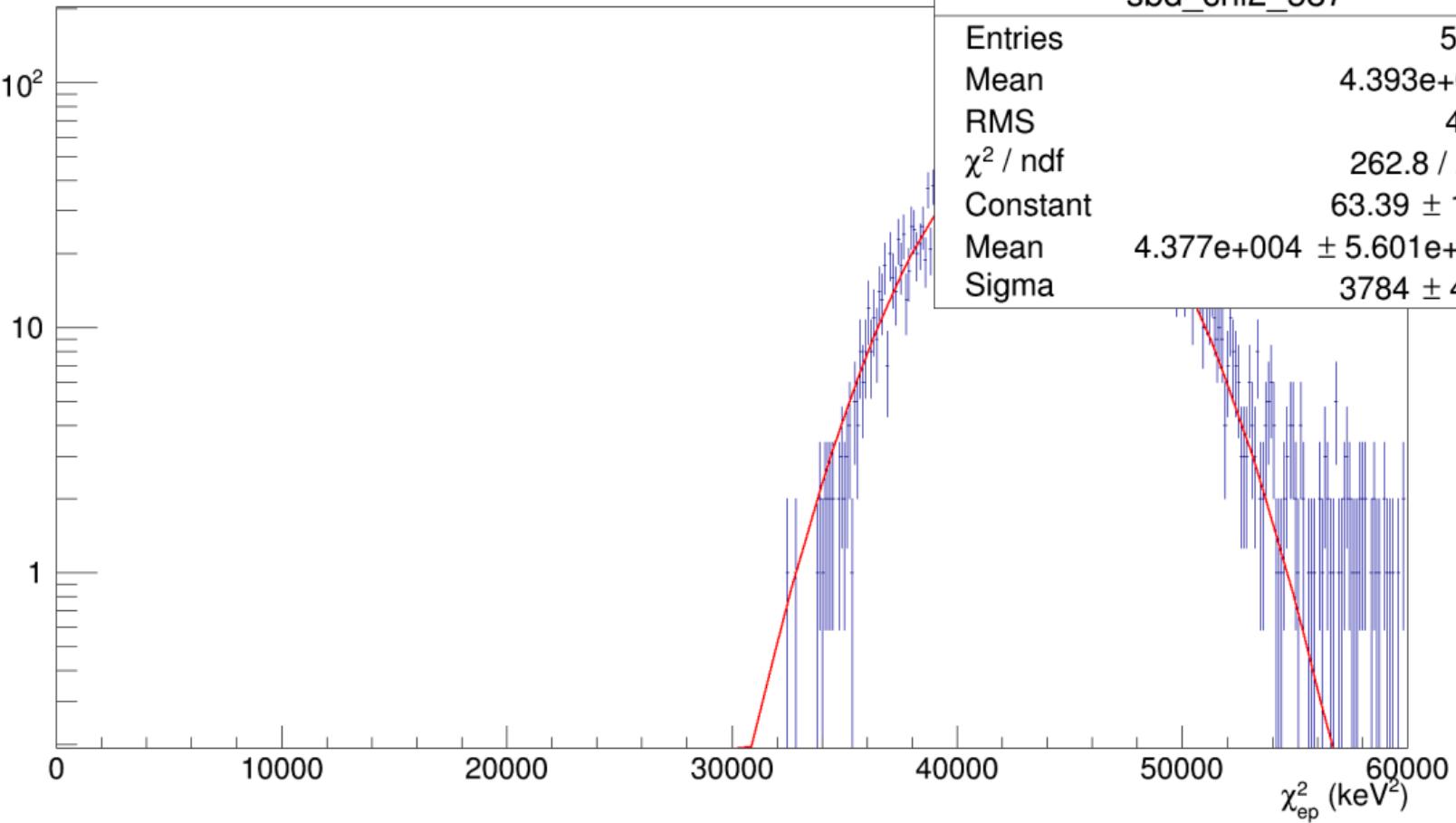
probability



sbd_chi2_586	
Entries	5458
Mean	4.385e+004
RMS	3991
χ^2 / ndf	308.2 / 203
Constant	65.42 ± 1.17
Mean	4.369e+004 ± 5.636e+001
Sigma	3738 ± 42.6

χ^2_{ep} from 587.00 keV to 588.00 keV

probability

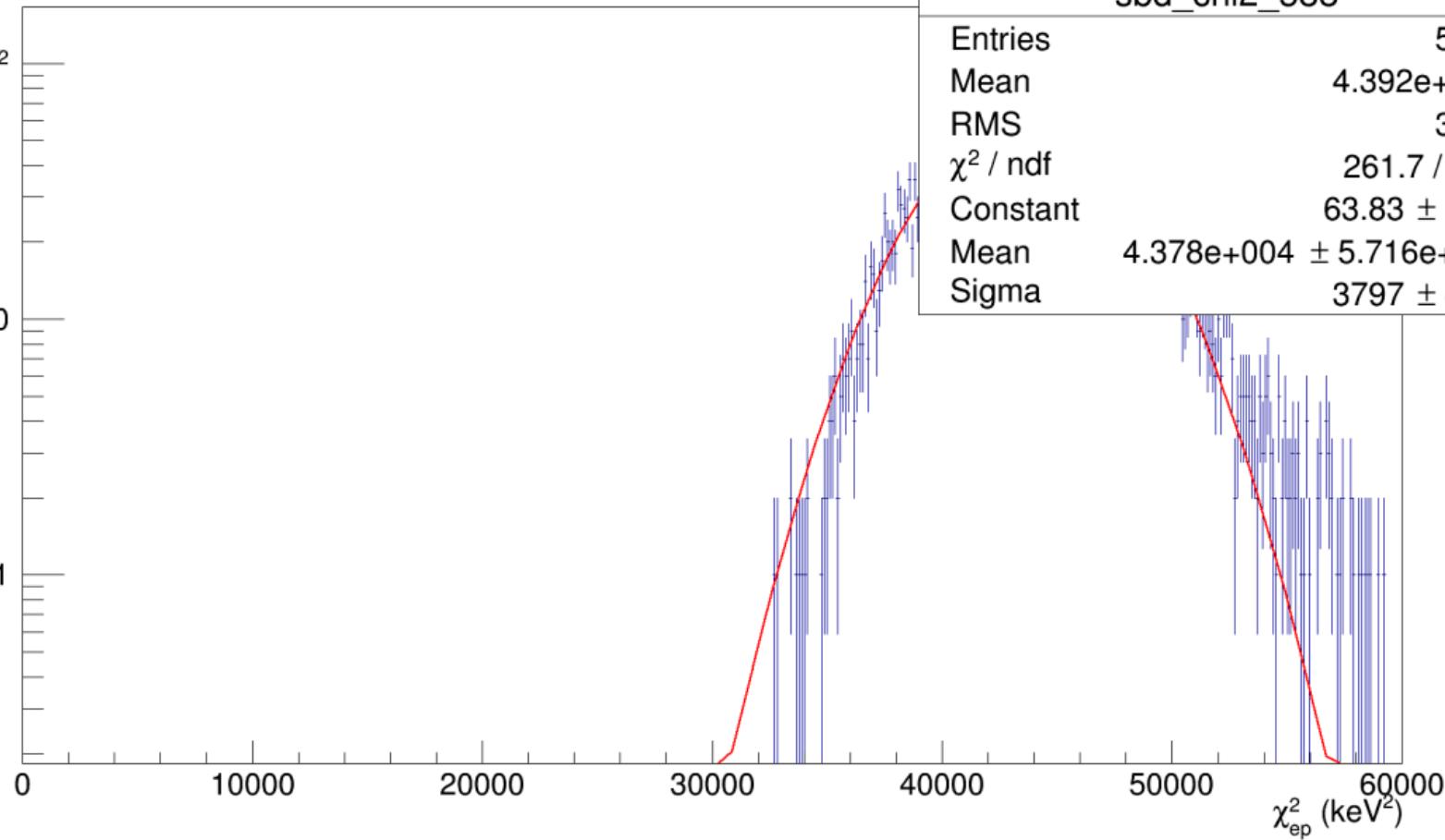


sbd_chi2_587	
Entries	5307
Mean	4.393e+004
RMS	4031
χ^2 / ndf	262.8 / 210
Constant	63.39 ± 1.14
Mean	4.377e+004 ± 5.601e+001
Sigma	3784 ± 43.2

χ^2_{ep} from 588.00 keV to 589.00 keV

probability

sbd_chi2_588	
Entries	5354
Mean	4.392e+004
RMS	3984
χ^2 / ndf	261.7 / 200
Constant	63.83 ± 1.15
Mean	4.378e+004 ± 5.716e+001
Sigma	3797 ± 43.8



χ^2_{ep} from 589.00 keV to 590.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

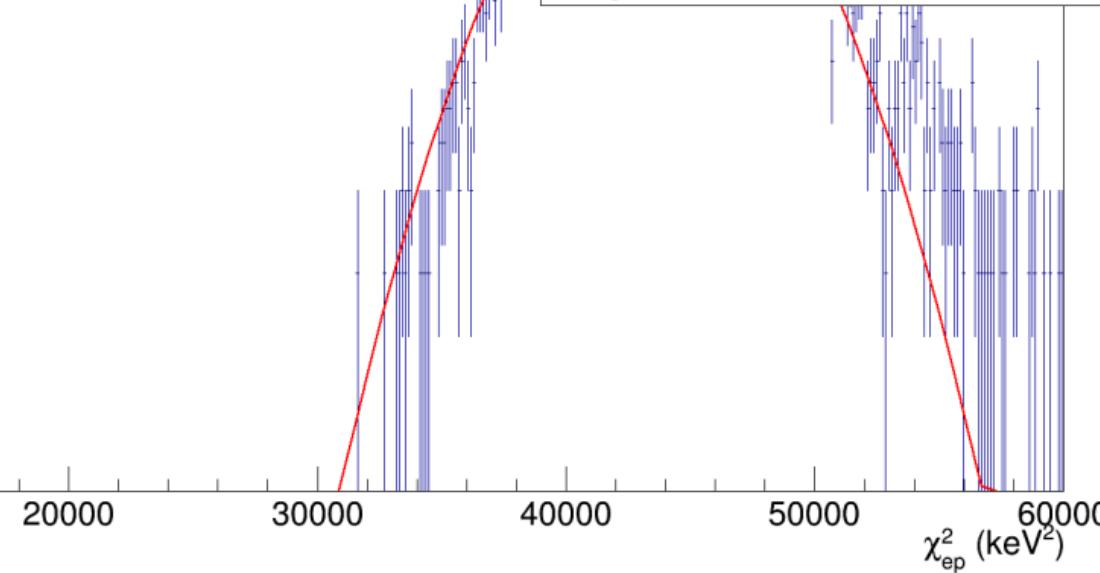
50000

60000

χ^2_{ep} (keV²)

sbd_chi2_589

Entries	5207
Mean	4.405e+004
RMS	4057
χ^2 / ndf	294.6 / 206
Constant	62.69 ± 1.14
Mean	4.384e+004 ± 5.642e+001
Sigma	3732 ± 42.9



χ^2_{ep} from 590.00 keV to 591.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

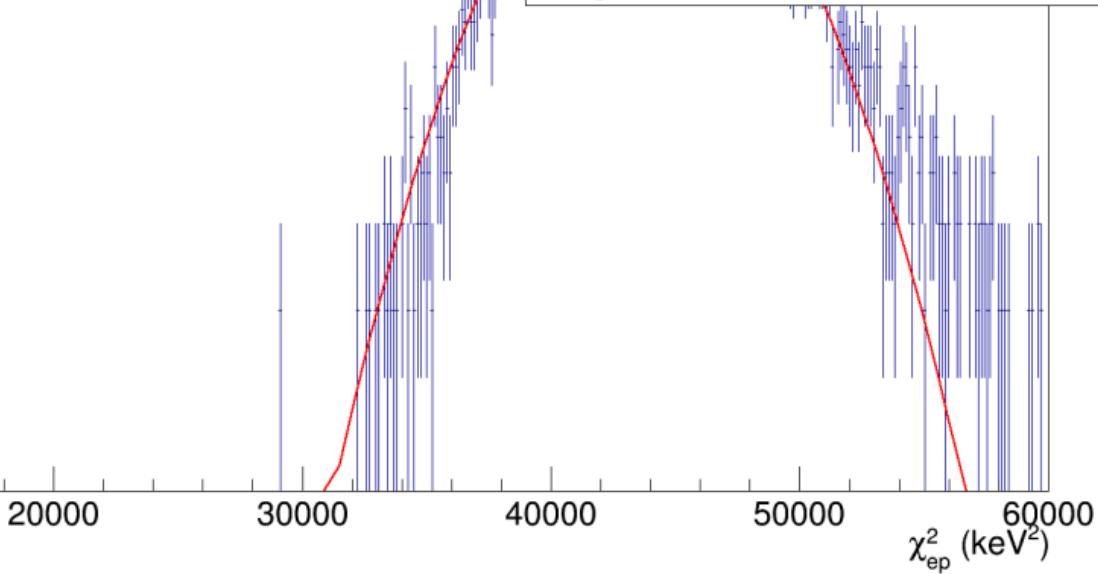
50000

60000

χ^2_{ep} (keV²)

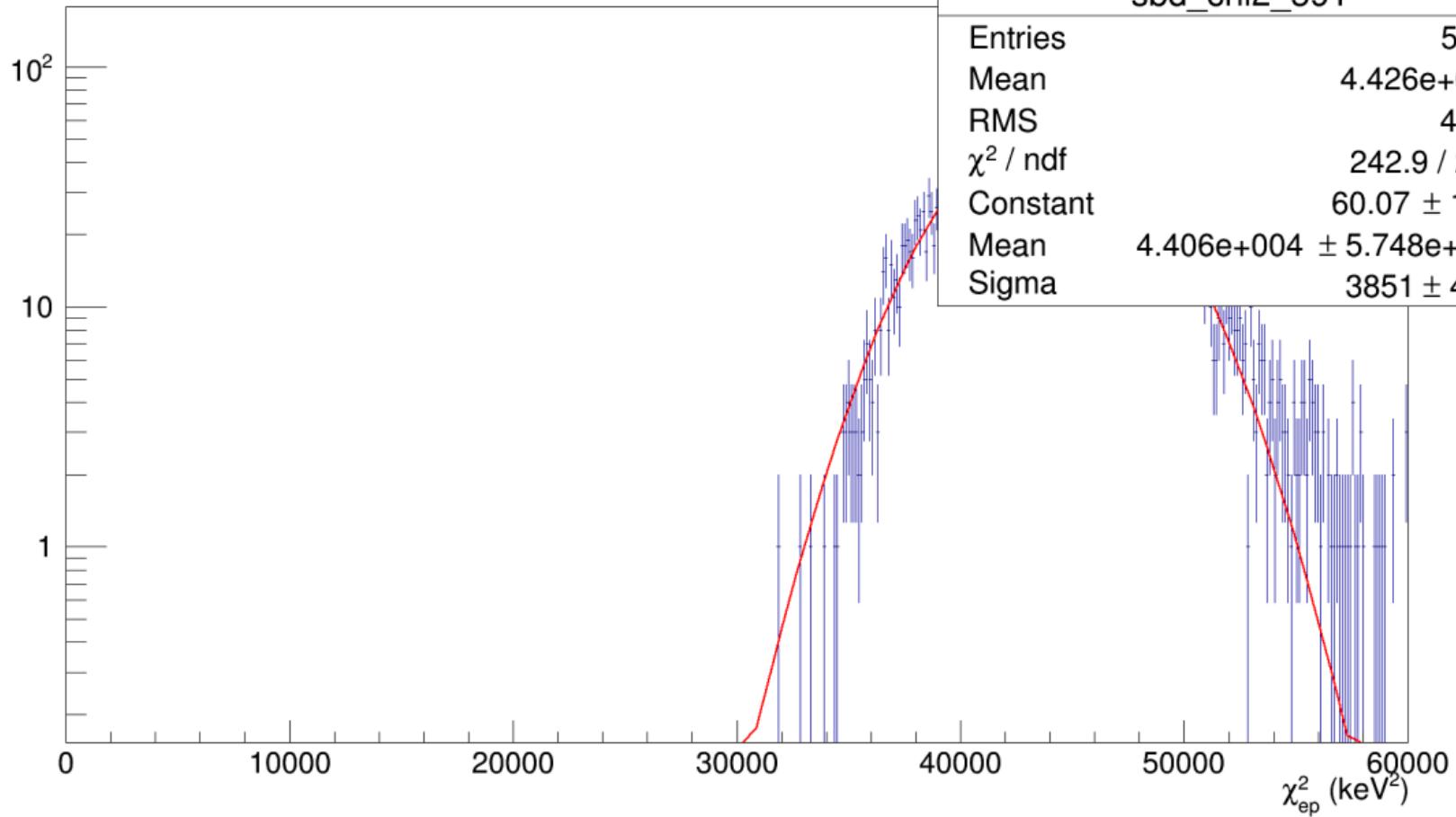
sbd_chi2_590

Entries	5314
Mean	4.406e+004
RMS	4033
χ^2 / ndf	256.1 / 210
Constant	63.11 ± 1.13
Mean	4.397e+004 ± 5.648e+001
Sigma	3799 ± 42.7



χ^2_{ep} from 591.00 keV to 592.00 keV

probability

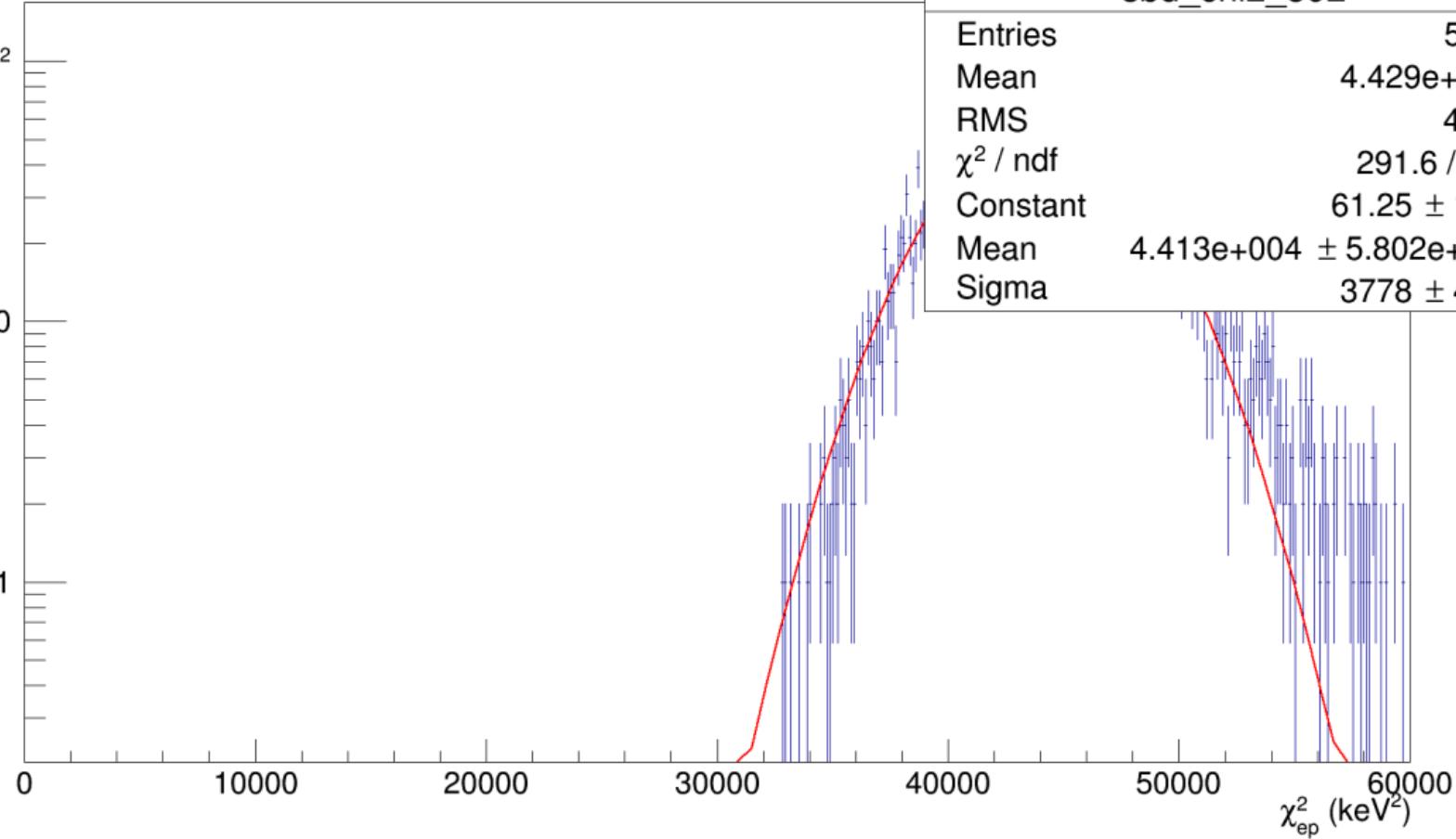


sbd_chi2_591	
Entries	5112
Mean	4.426e+004
RMS	4065
χ^2 / ndf	242.9 / 204
Constant	60.07 ± 1.10
Mean	4.406e+004 ± 5.748e+001
Sigma	3851 ± 44.7

χ^2_{ep} from 592.00 keV to 593.00 keV

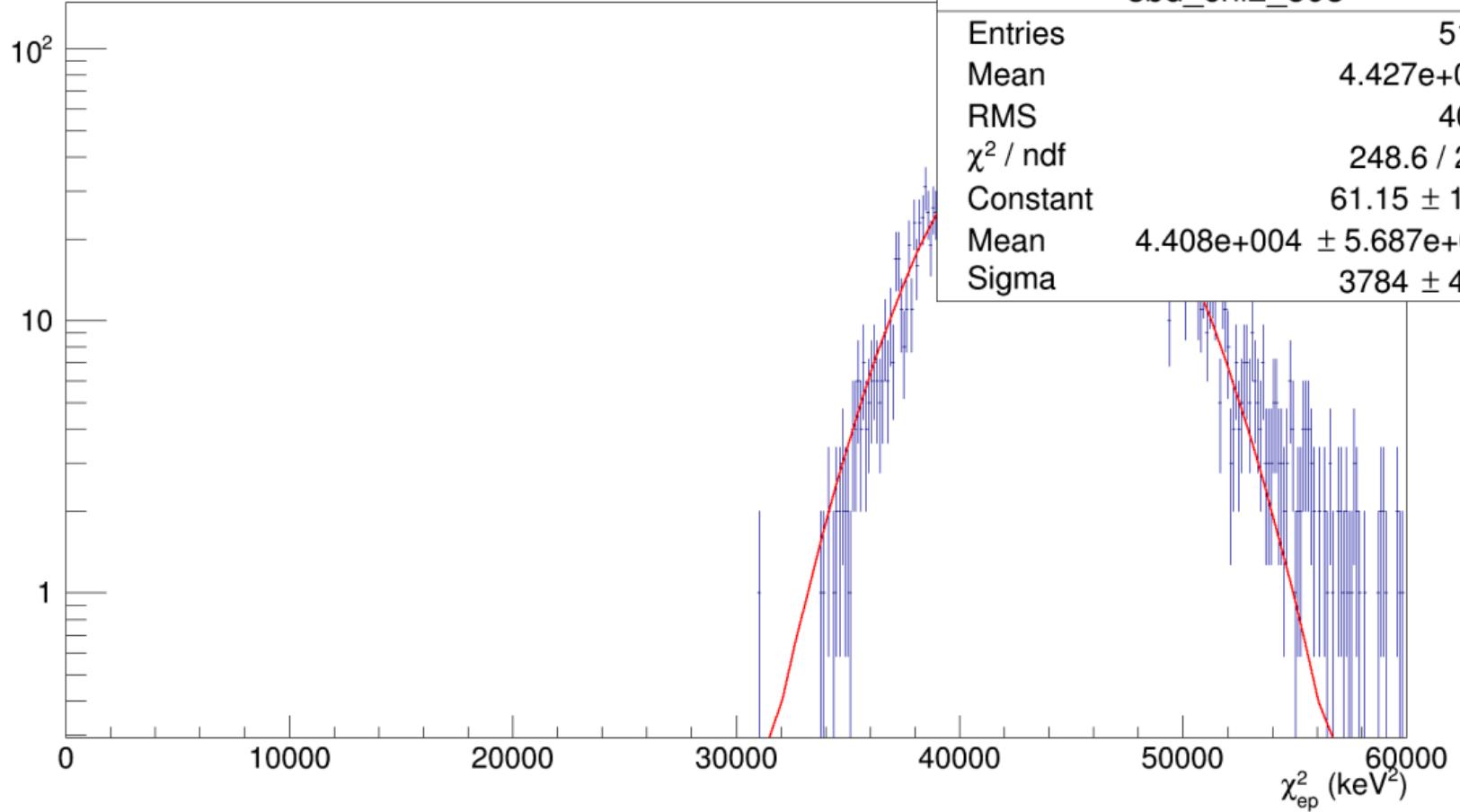
probability

sbd_chi2_592	
Entries	5169
Mean	4.429e+004
RMS	4028
χ^2 / ndf	291.6 / 201
Constant	61.25 ± 1.13
Mean	4.413e+004 ± 5.802e+001
Sigma	3778 ± 44.8



χ^2_{ep} from 593.00 keV to 594.00 keV

probability



χ^2_{ep} from 594.00 keV to 595.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

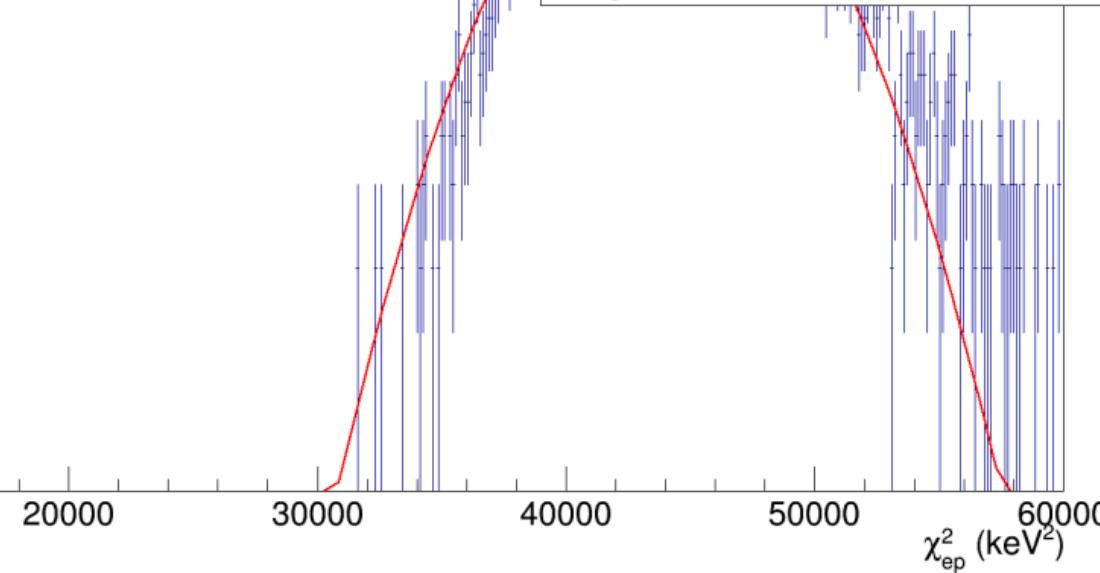
50000

60000

χ^2_{ep} (keV²)

sbd_chi2_594

Entries	4938
Mean	4.44e+004
RMS	4124
χ^2 / ndf	247.2 / 203
Constant	57.2 ± 1.1
Mean	4.417e+004 ± 6.021e+001
Sigma	3887 ± 47.5



χ^2_{ep} from 595.00 keV to 596.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

50000

60000

χ^2_{ep} (keV²)

sbd_chi2_595

Entries	4831
Mean	4.452e+004
RMS	4051
χ^2 / ndf	304.1 / 204
Constant	57.07 ± 1.06
Mean	4.433e+004 ± 5.846e+001
Sigma	3763 ± 42.9

Probability

Probability

Probability

Probability

Probability

Probability

χ^2_{ep} from 596.00 keV to 597.00 keV

probability

10²

10

1

0

10000

20000

30000

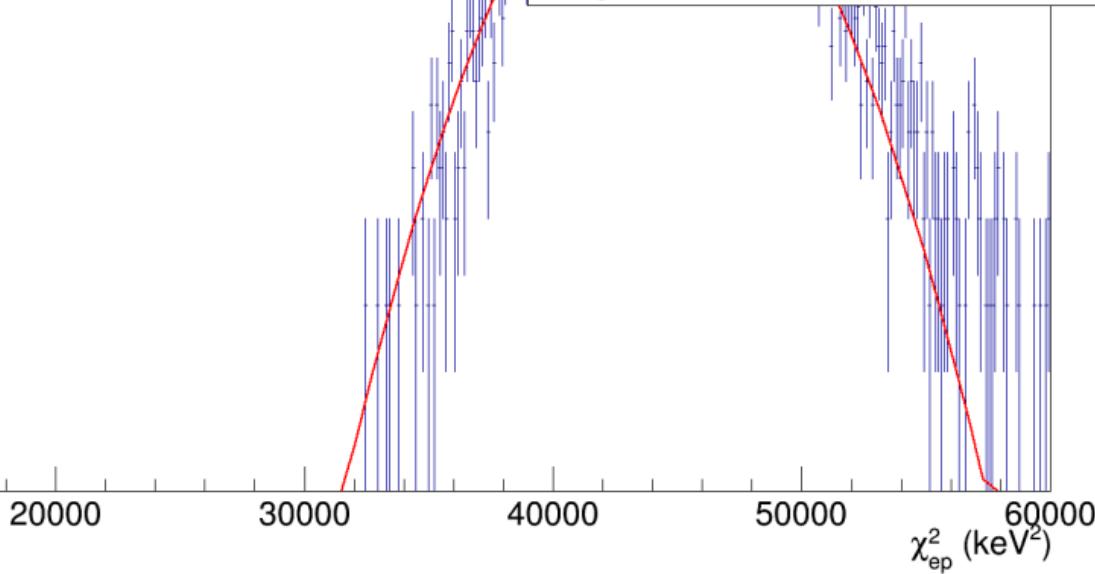
40000

50000

60000

χ^2_{ep} (keV²)

sbd_chi2_596	
Entries	4848
Mean	4.467e+004
RMS	4094
χ^2 / ndf	262.1 / 201
Constant	56.08 ± 1.08
Mean	4.451e+004 ± 6.099e+001
Sigma	3882 ± 49.3



χ^2_{ep} from 597.00 keV to 598.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

50000

60000

χ^2_{ep} (keV²)

sbd_chi2_597

Entries	4801
Mean	4.467e+004
RMS	4128
χ^2 / ndf	237.4 / 203
Constant	55.48 ± 1.04
Mean	4.457e+004 ± 6.105e+001
Sigma	3902 ± 46.3

χ^2_{ep} from 598.00 keV to 599.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

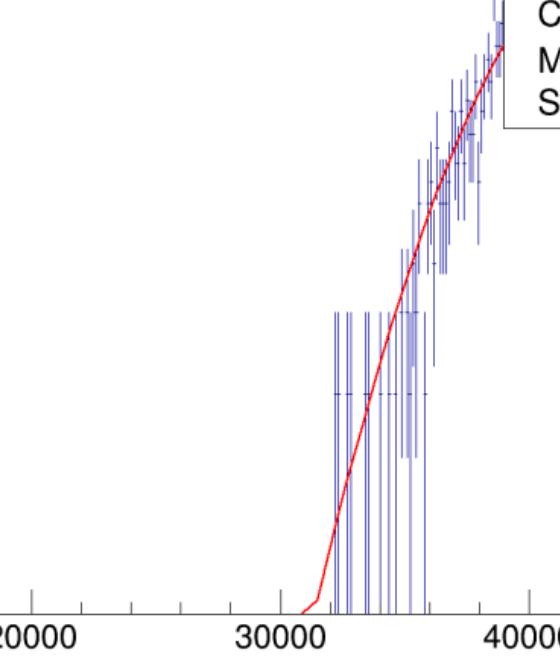
50000

60000

χ^2_{ep} (keV²)

sbd_chi2_598

Entries	4733
Mean	4.477e+004
RMS	4069
χ^2 / ndf	251.4 / 206
Constant	55.03 ± 1.06
Mean	4.462e+004 ± 6.032e+001
Sigma	3865 ± 47.8

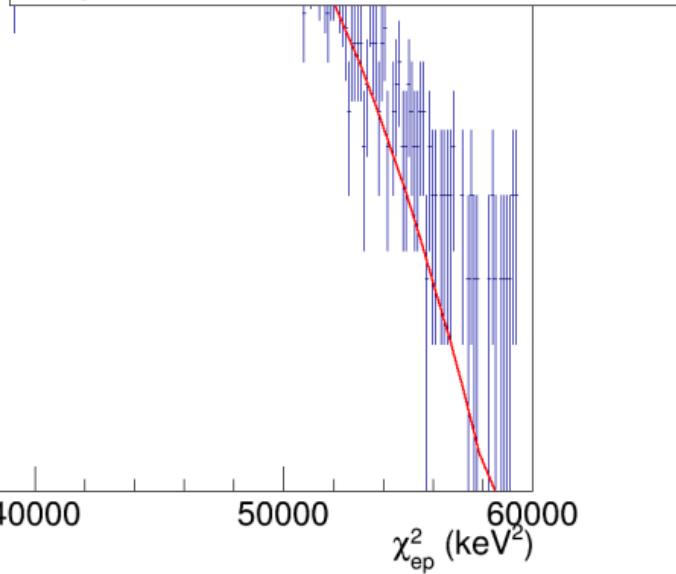


χ^2_{ep} from 599.00 keV to 600.00 keV

probability



sbd_chi2_599	
Entries	4704
Mean	4.478e+004
RMS	4094
χ^2 / ndf	231.7 / 196
Constant	52.67 ± 1.03
Mean	4.464e+004 ± 6.368e+001
Sigma	4030 ± 52.3



χ^2_{ep} from 600.00 keV to 601.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

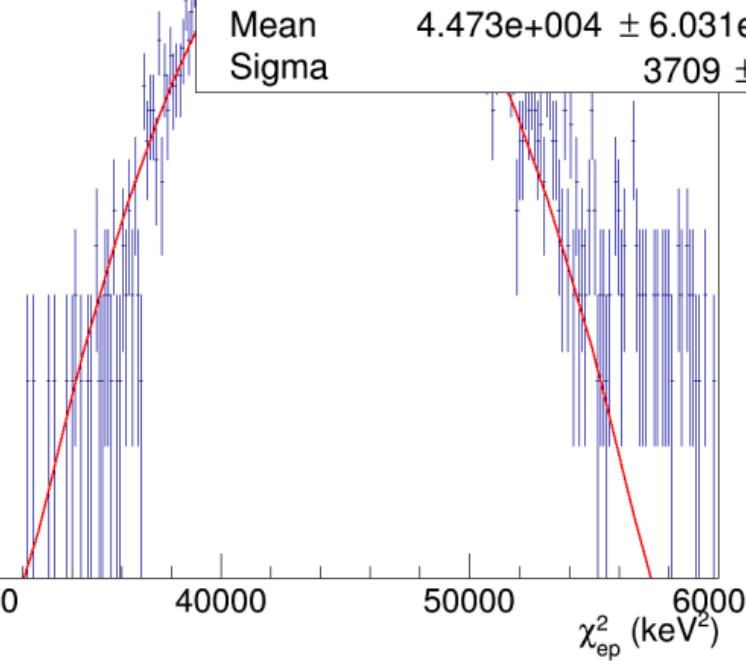
50000

60000

χ^2_{ep} (keV²)

sbd_chi2_600

Entries	4717
Mean	4.486e+004
RMS	4060
χ^2 / ndf	296.7 / 204
Constant	56.3 ± 1.1
Mean	4.473e+004 ± 6.031e+001
Sigma	3709 ± 44.8



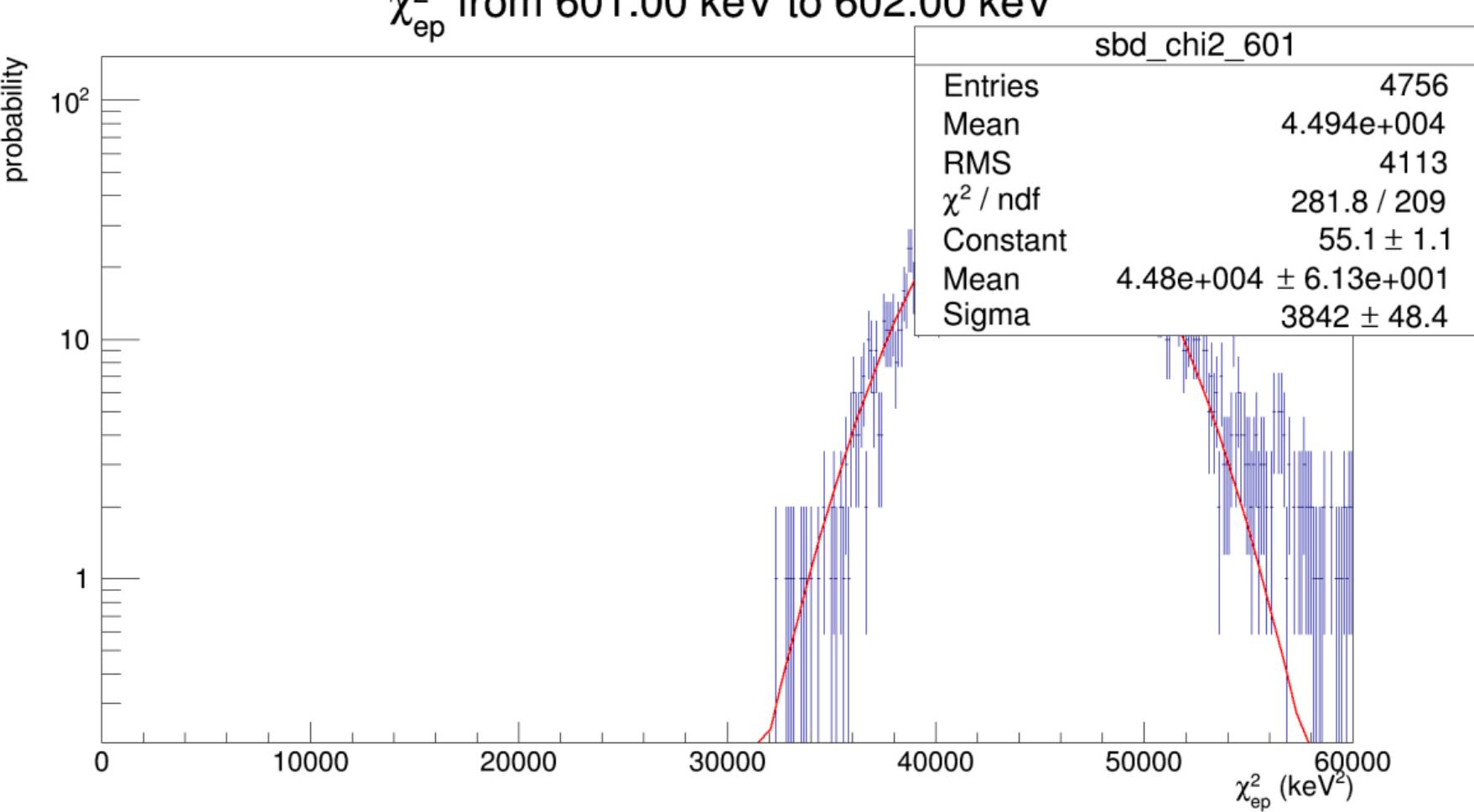
χ^2_{ep} from 601.00 keV to 602.00 keV

probability

10²
10
1

0 10000 20000 30000 40000 50000 60000
 χ^2_{ep} (keV²)

sbd_chi2_601	
Entries	4756
Mean	4.494e+004
RMS	4113
χ^2 / ndf	281.8 / 209
Constant	55.1 ± 1.1
Mean	4.48e+004 ± 6.13e+001
Sigma	3842 ± 48.4



χ^2_{ep} from 602.00 keV to 603.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

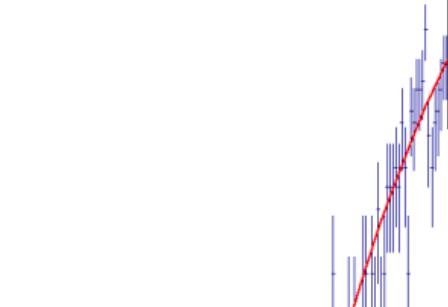
50000

60000

χ^2_{ep} (keV²)

sbd_chi2_602

Entries	4529
Mean	4.506e+004
RMS	4109
χ^2 / ndf	251 / 201
Constant	52.45 ± 1.02
Mean	4.487e+004 ± 6.198e+001
Sigma	3858 ± 47.8



χ^2_{ep} from 603.00 keV to 604.00 keV

probability

10²
10
1

0 10000 20000 30000 40000 50000 60000
 χ^2_{ep} (keV²)

sbd_chi2_603	
Entries	4607
Mean	4.521e+004
RMS	4178
χ^2 / ndf	262.5 / 207
Constant	52.6 ± 1.0
Mean	4.503e+004 ± 6.293e+001
Sigma	3904 ± 49.2



χ^2_{ep} from 604.00 keV to 605.00 keV

probability

10²
10
1

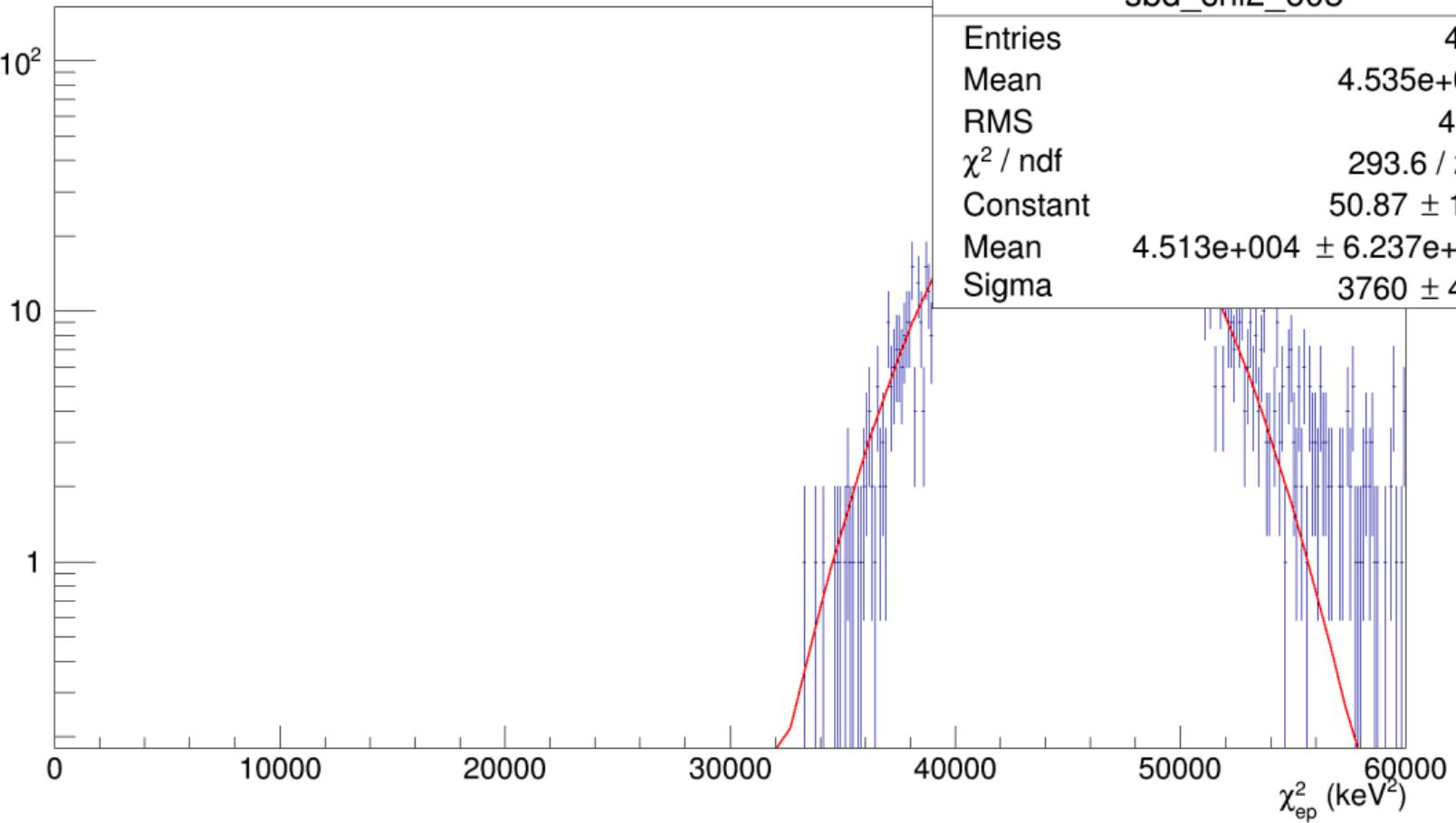
0 10000 20000 30000 40000 50000 60000
 χ^2_{ep} (keV²)

sbd_chi2_604	
Entries	4383
Mean	4.523e+004
RMS	4030
χ^2 / ndf	310.5 / 199
Constant	51.7 ± 1.0
Mean	4.503e+004 ± 6.217e+001
Sigma	3728 ± 47.7

1

χ^2_{ep} from 605.00 keV to 606.00 keV

probability



sbd_chi2_605	
Entries	4351
Mean	4.535e+004
RMS	4116
χ^2 / ndf	293.6 / 203
Constant	50.87 ± 1.03
Mean	4.513e+004 ± 6.237e+001
Sigma	3760 ± 48.0

χ^2_{ep} from 606.00 keV to 607.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

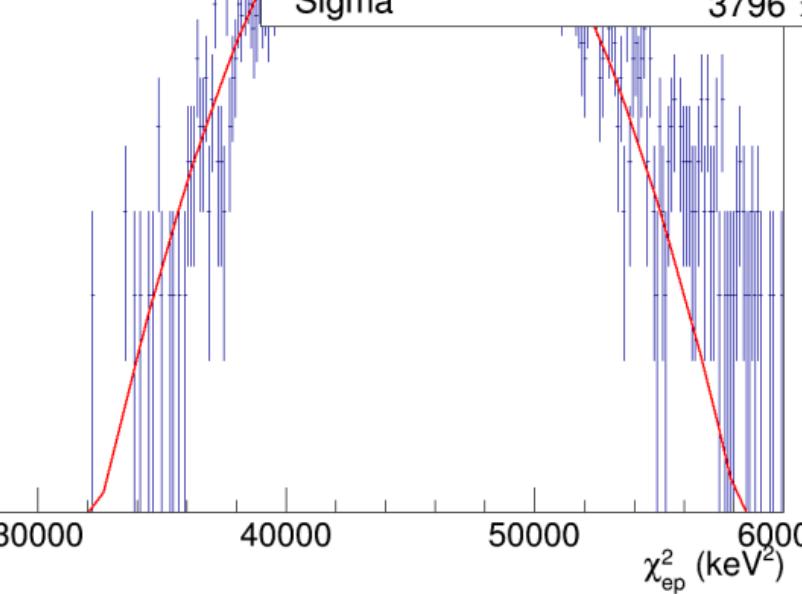
50000

60000

χ^2_{ep} (keV²)

sbd_chi2_606

Entries	4360
Mean	4.555e+004
RMS	4067
χ^2 / ndf	220 / 204
Constant	51.47 ± 1.03
Mean	4.537e+004 ± 6.111e+001
Sigma	3796 ± 48.9



χ^2_{ep} from 607.00 keV to 608.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

50000

60000

χ^2_{ep} (keV²)

sbd_chi2_607

Entries	4228
Mean	4.54e+004
RMS	4110
χ^2 / ndf	256 / 199
Constant	48.59 ± 0.99
Mean	4.521e+004 ± 6.455e+001
Sigma	3854 ± 50.6

χ^2_{ep} from 608.00 keV to 609.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

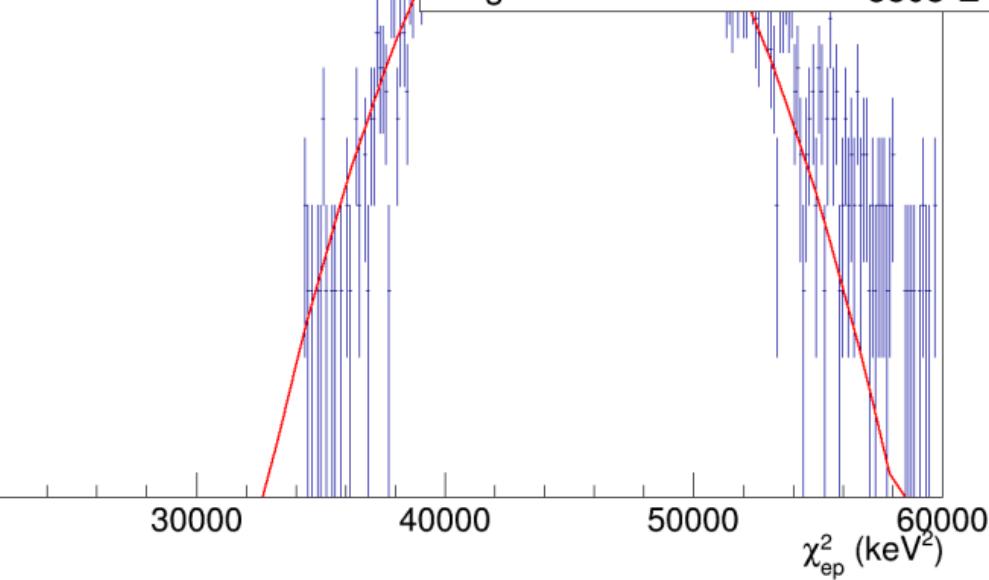
50000

60000

χ^2_{ep} (keV²)

sbd_chi2_608

Entries	4220
Mean	4.558e+004
RMS	4094
χ^2 / ndf	298.6 / 198
Constant	48.75 ± 0.99
Mean	4.543e+004 ± 6.419e+001
Sigma	3808 ± 49.0



χ^2_{ep} from 609.00 keV to 610.00 keV

probability

10²
10
1

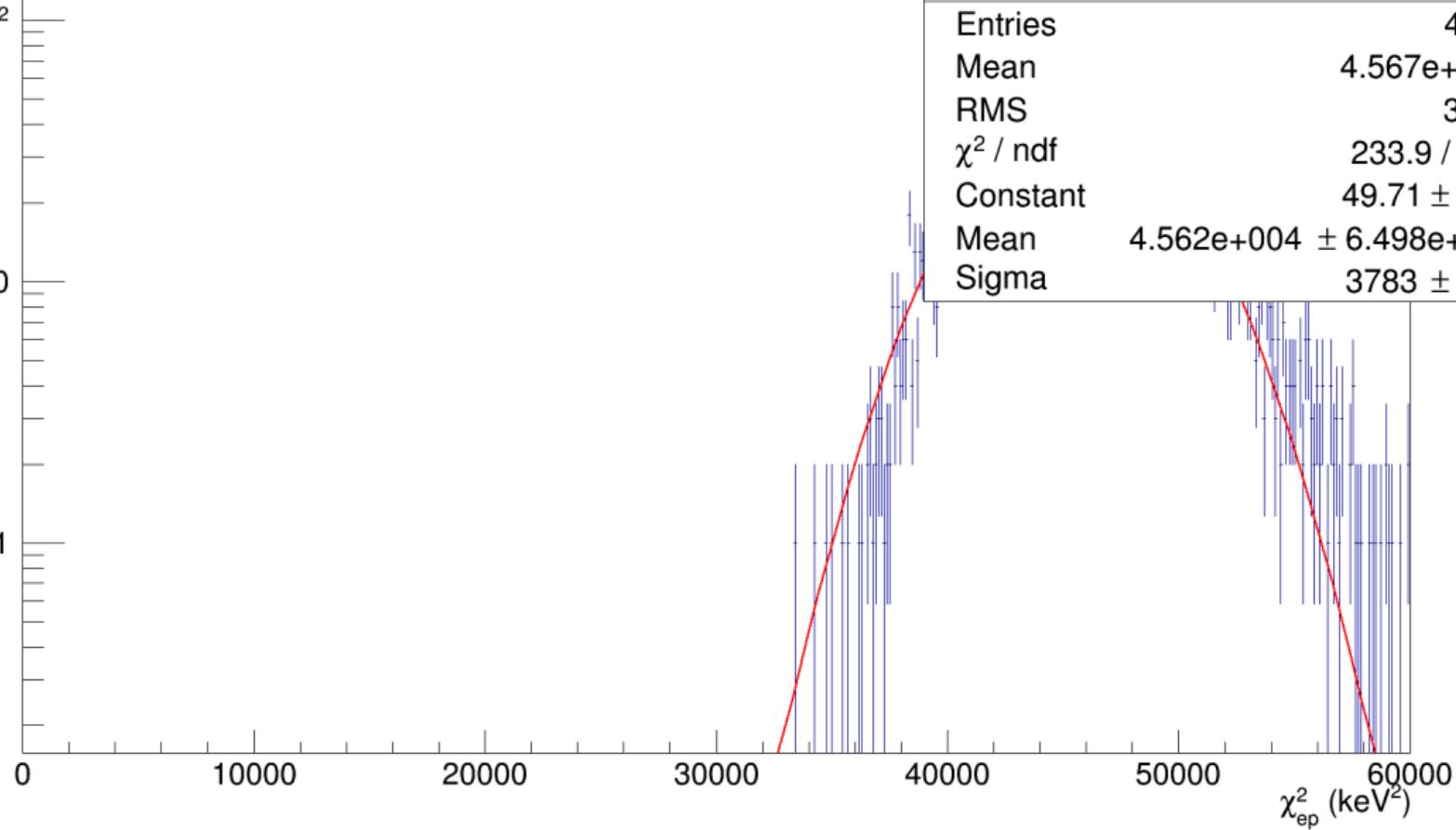
0 10000 20000 30000 40000 50000 60000
 χ^2_{ep} (keV²)

sbd_chi2_609	
Entries	4152
Mean	4.569e+004
RMS	4163
χ^2 / ndf	204.1 / 200
Constant	47.06 ± 0.96
Mean	4.556e+004 ± 6.685e+001
Sigma	3989 ± 52.7

χ^2_{ep} from 610.00 keV to 611.00 keV

probability

sbd_chi2_610	
Entries	4188
Mean	4.567e+004
RMS	3960
χ^2 / ndf	233.9 / 189
Constant	49.71 ± 1.01
Mean	4.562e+004 ± 6.498e+001
Sigma	3783 ± 49.1



χ^2_{ep} from 611.00 keV to 612.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

50000

60000

χ^2_{ep} (keV²)

sbd_chi2_611

Entries	4251
Mean	4.566e+004
RMS	4083
χ^2 / ndf	229.8 / 195
Constant	49.26 ± 1.00
Mean	4.546e+004 ± 6.415e+001
Sigma	3868 ± 50.3

(keV²)

χ^2_{ep} from 612.00 keV to 613.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

50000

60000

χ^2_{ep} (keV²)

sbd_chi2_612

Entries	4078
Mean	4.583e+004
RMS	4089
χ^2 / ndf	226.7 / 192
Constant	46.44 ± 0.98
Mean	4.57e+004 ± 6.79e+001
Sigma	3925 ± 54.5

1

10

10²

10³

10⁴

χ^2_{ep} from 613.00 keV to 614.00 keV

probability

10²

10

1

0

10000

20000

30000

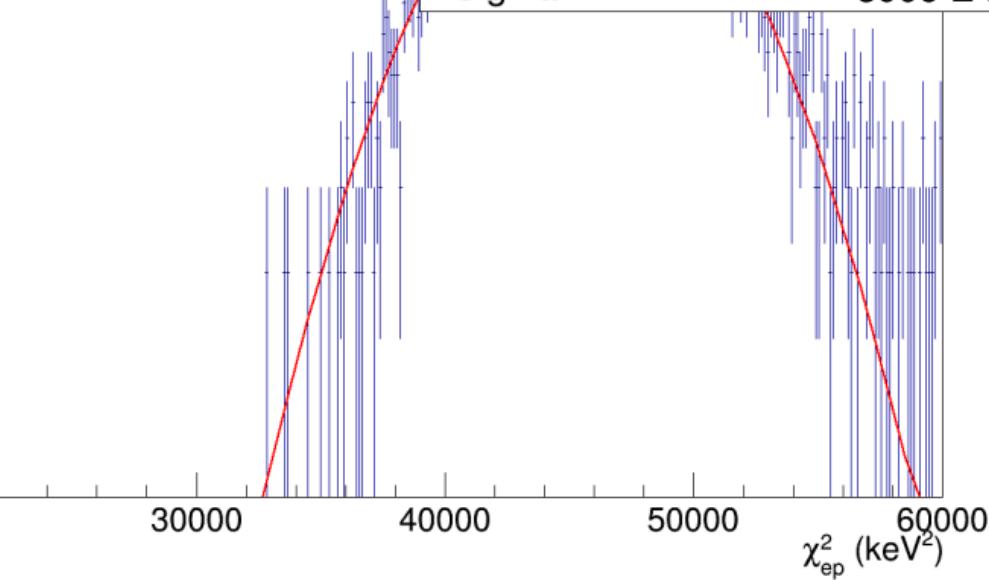
40000

50000

60000

χ^2_{ep} (keV²)

sbd_chi2_613	
Entries	3878
Mean	4.59e+004
RMS	4104
χ^2 / ndf	240.7 / 199
Constant	43.96 ± 0.94
Mean	4.58e+004 ± 6.84e+001
Sigma	3906 ± 53.6



χ^2_{ep} from 614.00 keV to 615.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

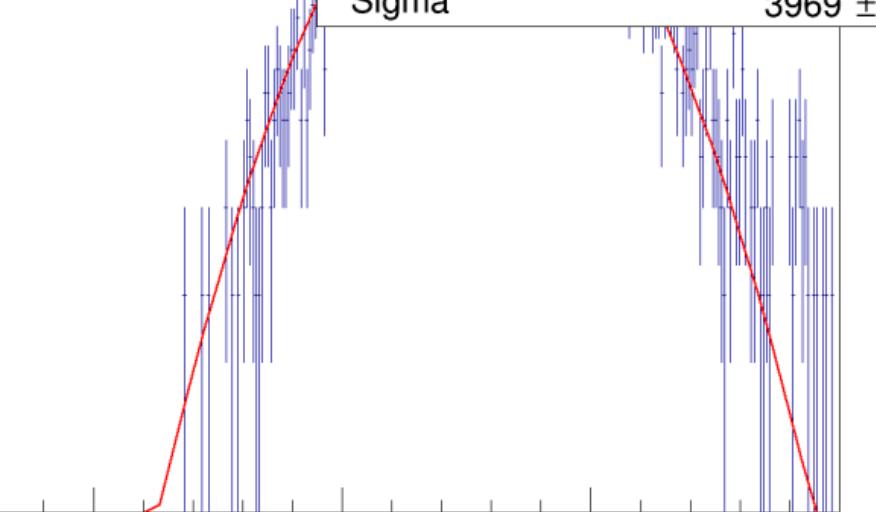
50000

60000

χ^2_{ep} (keV²)

sbd_chi2_614

Entries	3948
Mean	4.593e+004
RMS	4090
χ^2 / ndf	212.3 / 192
Constant	44.42 ± 0.93
Mean	4.581e+004 ± 6.876e+001
Sigma	3969 ± 54.0



χ^2_{ep} from 615.00 keV to 616.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

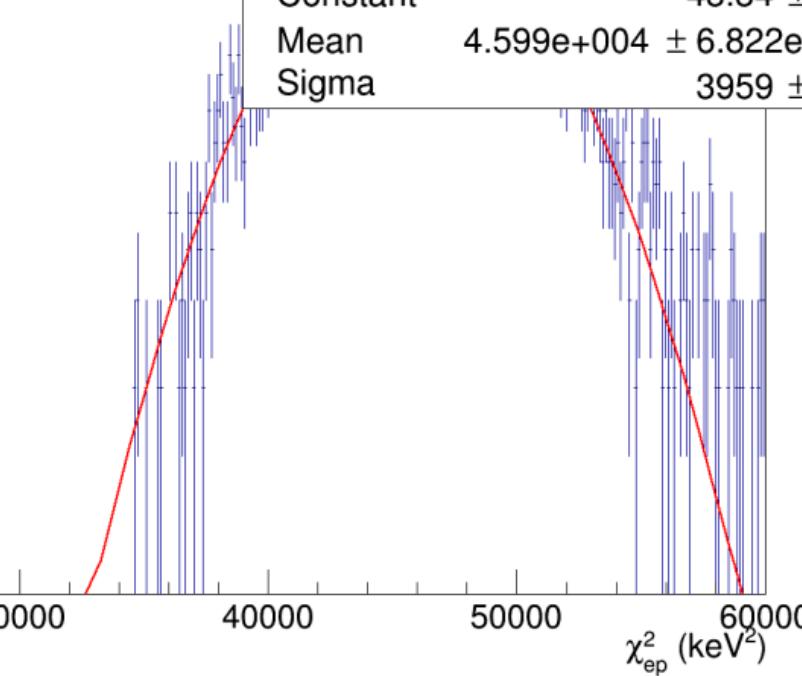
50000

60000

χ^2_{ep} (keV²)

sbd_chi2_615

Entries	3873
Mean	4.61e+004
RMS	4114
χ^2 / ndf	232.4 / 193
Constant	43.34 ± 0.91
Mean	4.599e+004 ± 6.822e+001
Sigma	3959 ± 53.1



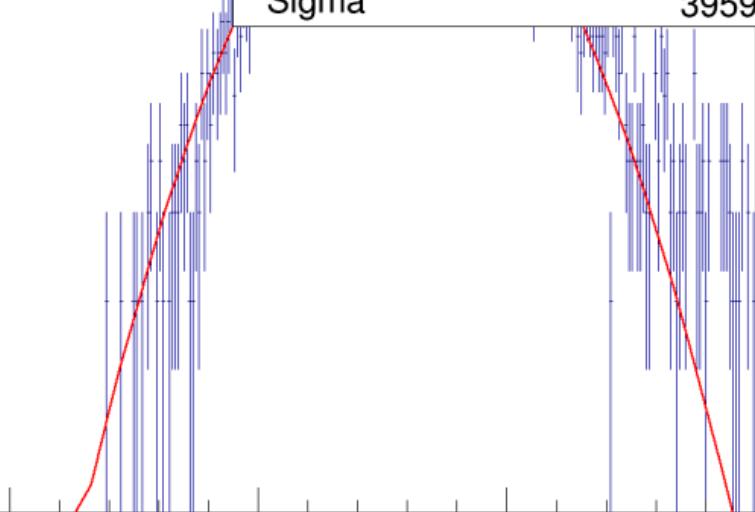
χ^2_{ep} from 616.00 keV to 617.00 keV

probability

10²
10
1

0 10000 20000 30000 40000 50000 60000
 χ^2_{ep} (keV²)

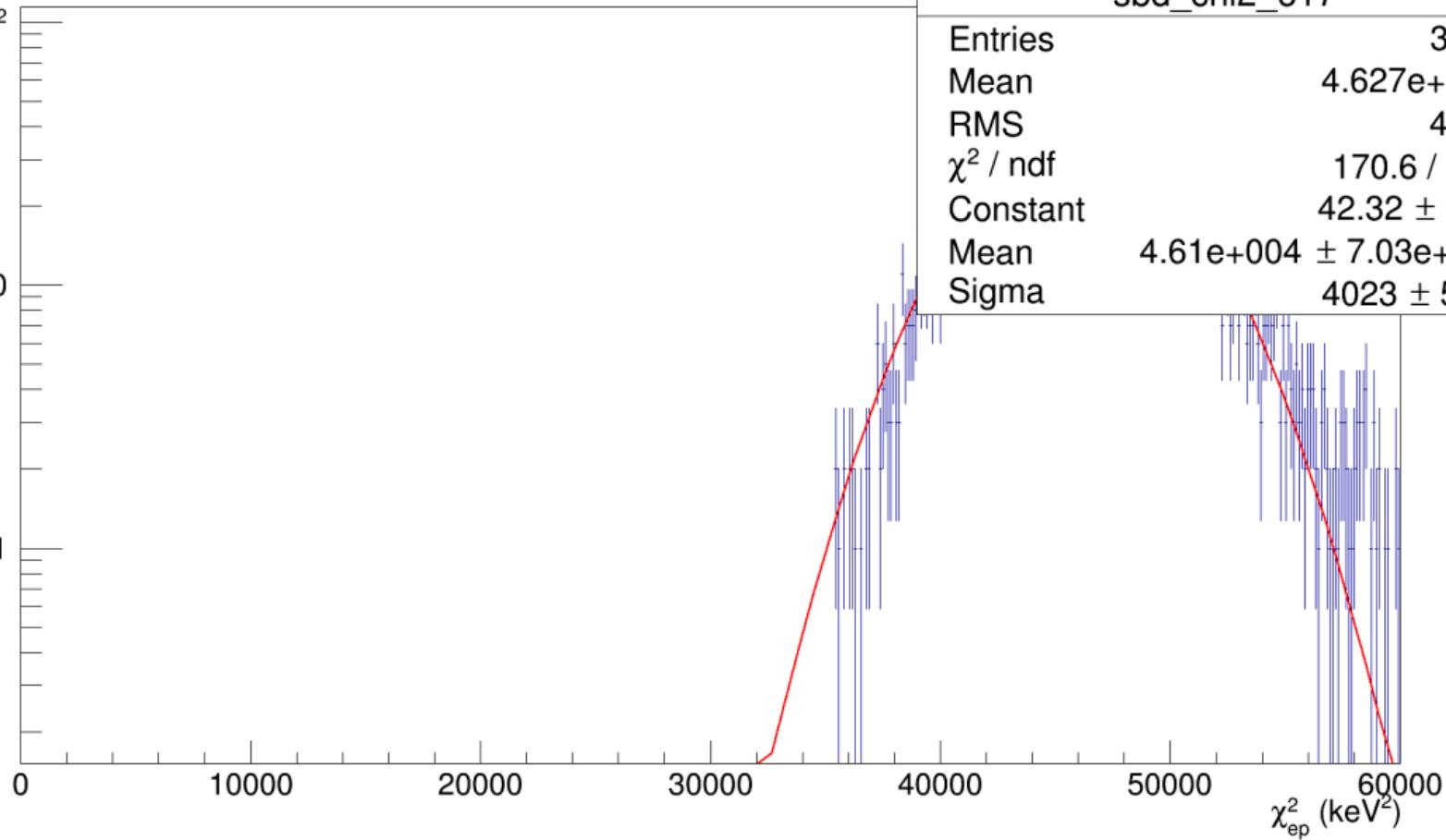
sbd_chi2_616	
Entries	3753
Mean	4.621e+004
RMS	4193
χ^2 / ndf	220.5 / 196
Constant	41.94 ± 0.91
Mean	4.605e+004 ± 7.066e+001
Sigma	3959 ± 55.3



χ^2_{ep} from 617.00 keV to 618.00 keV

probability

sbd_chi2_617	
Entries	3772
Mean	4.627e+004
RMS	4126
χ^2 / ndf	170.6 / 192
Constant	42.32 ± 0.91
Mean	4.61e+004 ± 7.03e+001
Sigma	4023 ± 56.3



χ^2_{ep} from 618.00 keV to 619.00 keV

probability

10²

10

1

0

10000

20000

30000

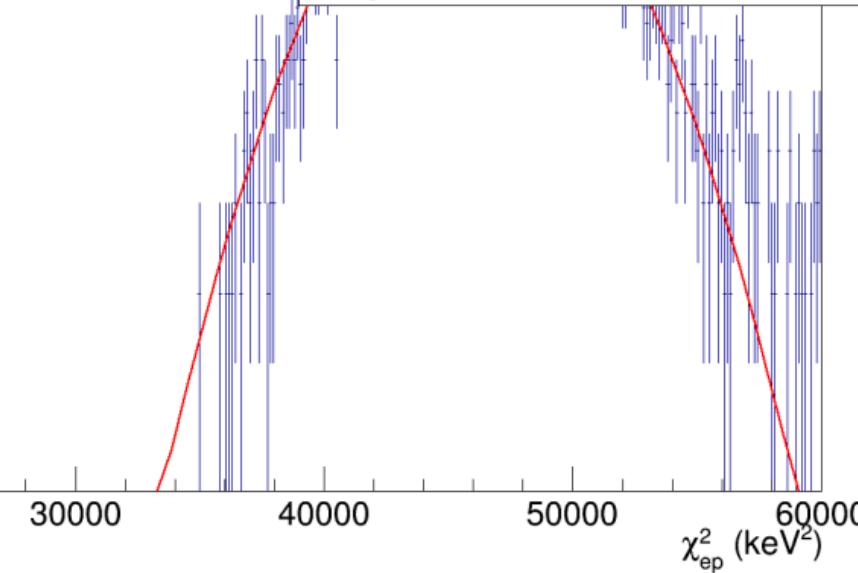
50000

60000

χ^2_{ep} (keV²)

sbd_chi2_618

Entries	3771
Mean	4.637e+004
RMS	4103
χ^2 / ndf	236.1 / 191
Constant	42.76 ± 0.92
Mean	4.626e+004 ± 6.962e+001
Sigma	3924 ± 55.0



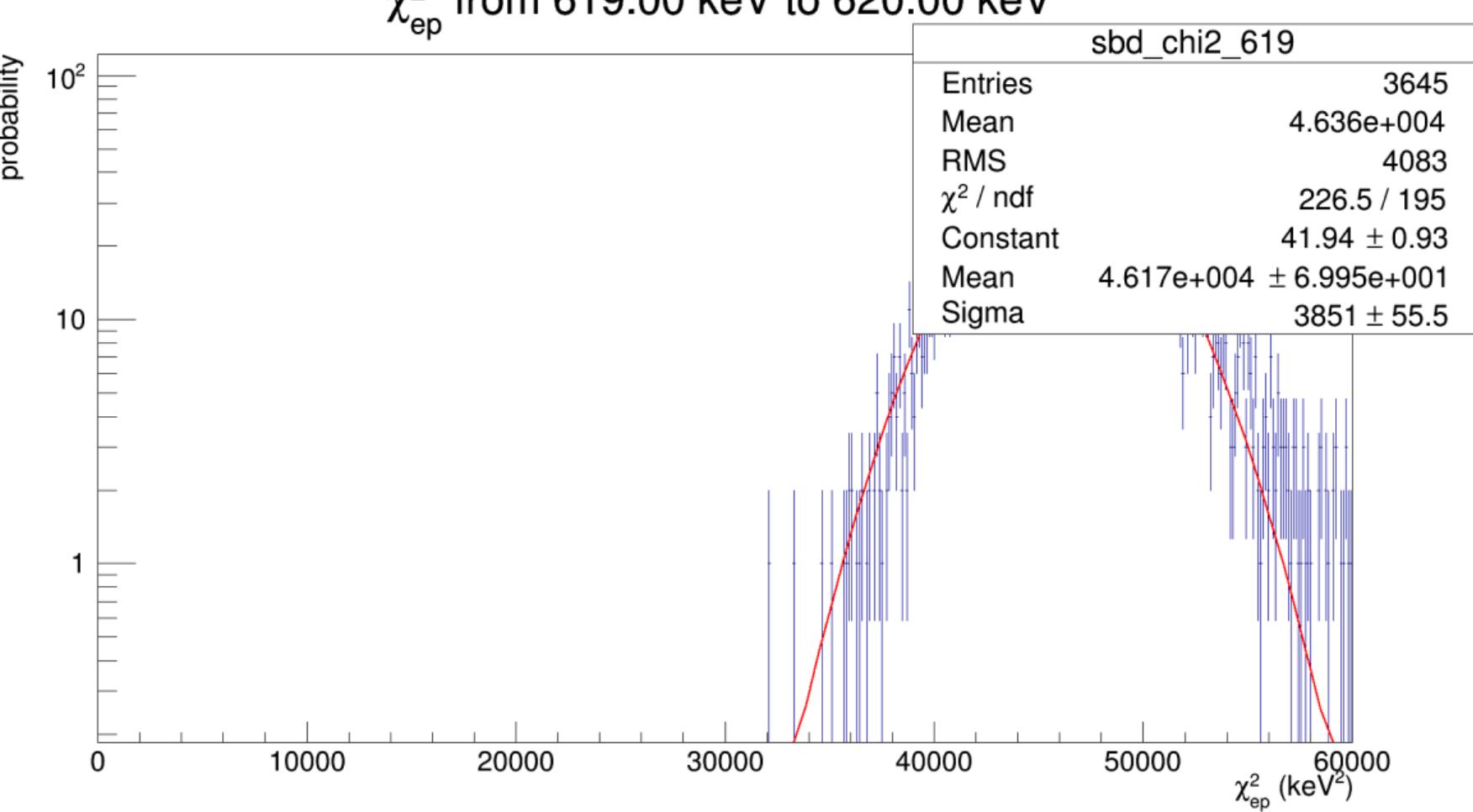
χ^2_{ep} from 619.00 keV to 620.00 keV

probability

10²
10
1

0 10000 20000 30000 40000 50000 60000
 χ^2_{ep} (keV²)

sbd_chi2_619	
Entries	3645
Mean	4.636e+004
RMS	4083
χ^2 / ndf	226.5 / 195
Constant	41.94 ± 0.93
Mean	4.617e+004 ± 6.995e+001
Sigma	3851 ± 55.5



χ^2_{ep} from 620.00 keV to 621.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

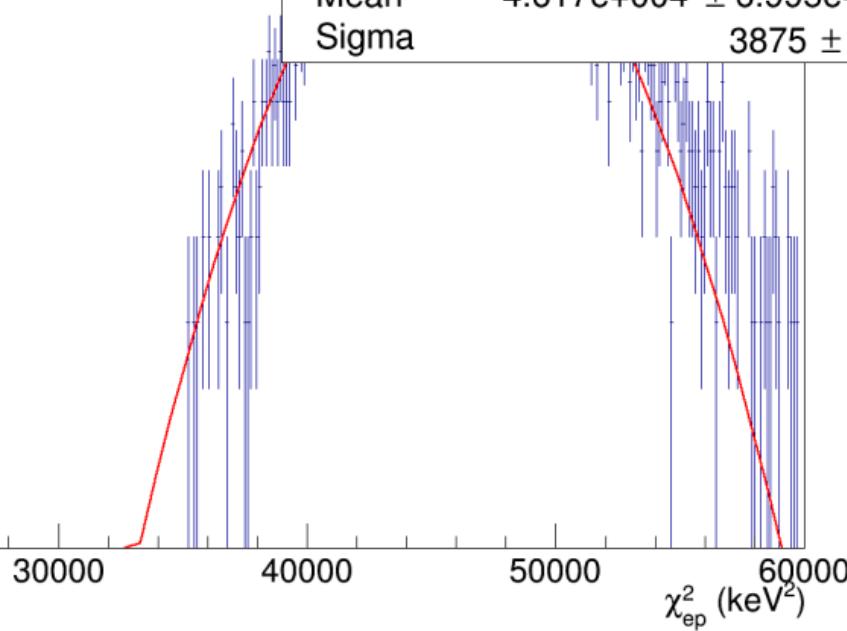
50000

60000

χ^2_{ep} (keV²)

sbd_chi2_620

Entries	3627
Mean	4.637e+004
RMS	4061
χ^2 / ndf	212.6 / 189
Constant	41.57 ± 0.93
Mean	4.617e+004 ± 6.995e+001
Sigma	3875 ± 56.8



χ^2_{ep} from 621.00 keV to 622.00 keV

probability

10²

10

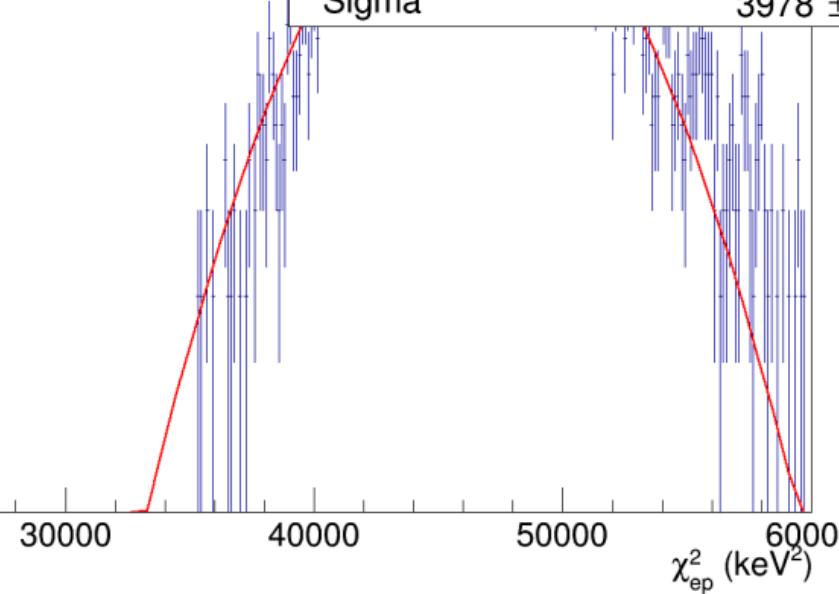
1

0

0 10000 20000 30000 40000 50000 60000

χ^2_{ep} (keV²)

sbd_chi2_621	
Entries	3577
Mean	4.66e+004
RMS	4162
χ^2 / ndf	256.3 / 189
Constant	39.33 ± 0.89
Mean	4.639e+004 ± 7.370e+001
Sigma	3978 ± 60.3



χ^2_{ep} from 622.00 keV to 623.00 keV

probability

10²

10

1

0

10000

20000

30000

40000

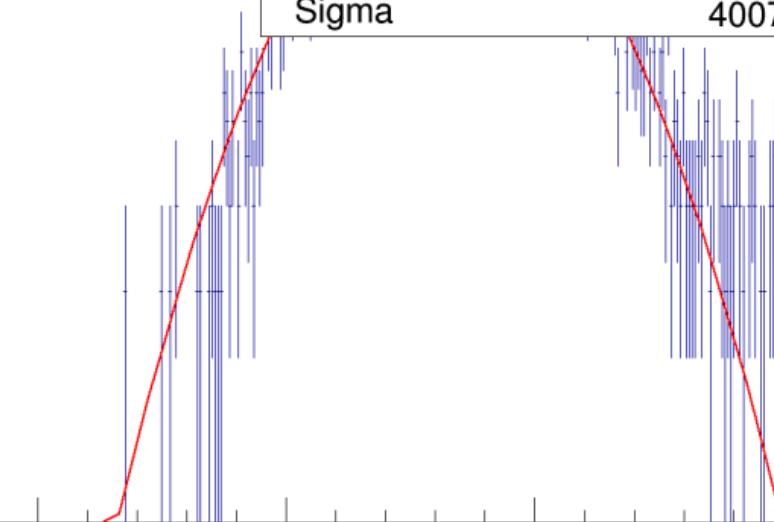
50000

60000

χ^2_{ep} (keV²)

sbd_chi2_622

Entries	3614
Mean	4.673e+004
RMS	4124
χ^2 / ndf	203.5 / 191
Constant	40.13 ± 0.88
Mean	4.659e+004 ± 7.260e+001
Sigma	4007 ± 56.4



χ^2_{ep} from 623.00 keV to 624.00 keV

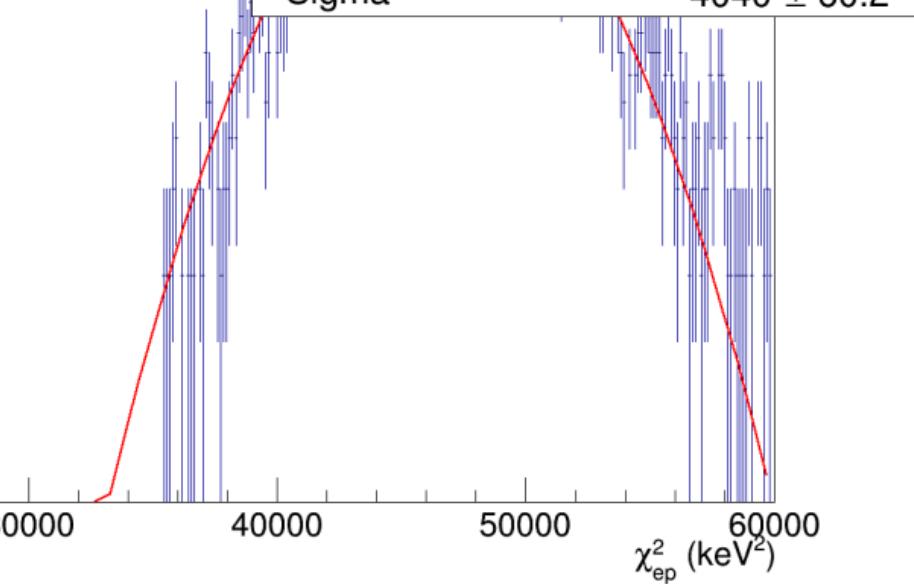
probability

10²
10
1

0 10000 20000 30000 40000 50000 60000

χ^2_{ep} (keV²)

sbd_chi2_623	
Entries	3497
Mean	4.672e+004
RMS	4201
χ^2 / ndf	185.5 / 195
Constant	38.57 ± 0.87
Mean	4.66e+004 ± 7.44e+001
Sigma	4040 ± 60.2



χ^2_{ep} from 624.00 keV to 625.00 keV

probability

10²

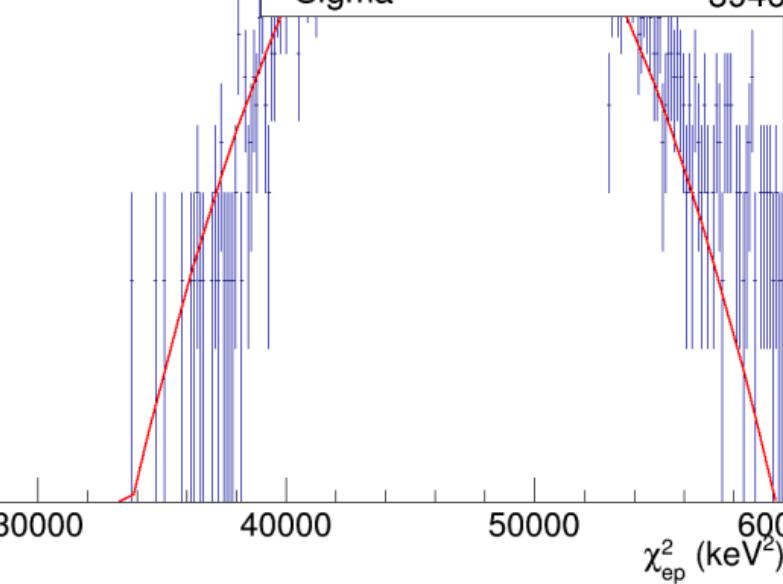
10

1

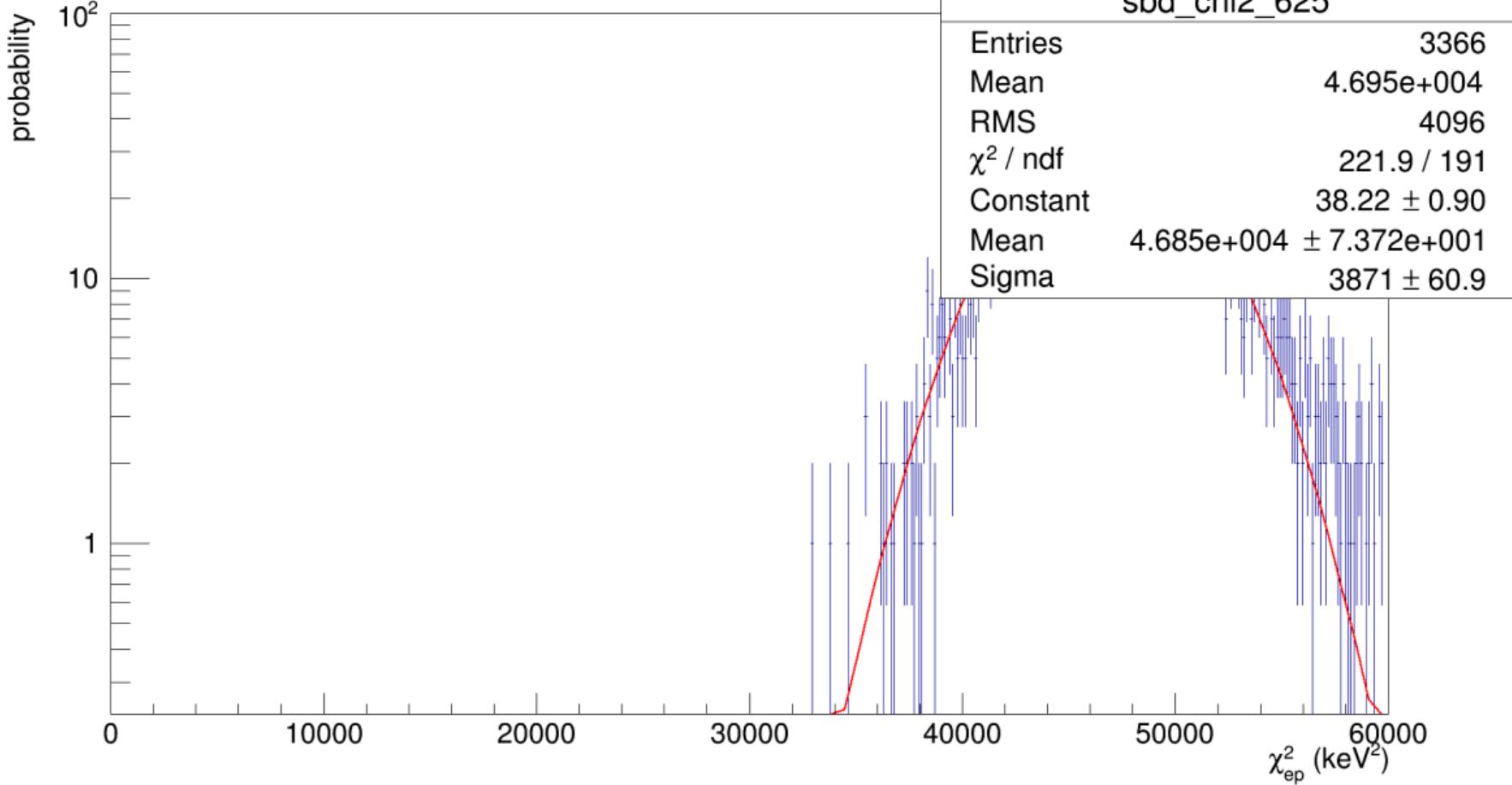
0 10000 20000 30000 40000 50000 60000

χ^2_{ep} (keV²)

sbd_chi2_624	
Entries	3411
Mean	4.69e+004
RMS	4159
χ^2 / ndf	247.4 / 195
Constant	37.78 ± 0.89
Mean	4.677e+004 ± 7.805e+001
Sigma	3946 ± 61.7



χ^2_{ep} from 625.00 keV to 626.00 keV



χ^2_{ep} from 626.00 keV to 627.00 keV

probability

10²

10

1

0

10000

20000

30000

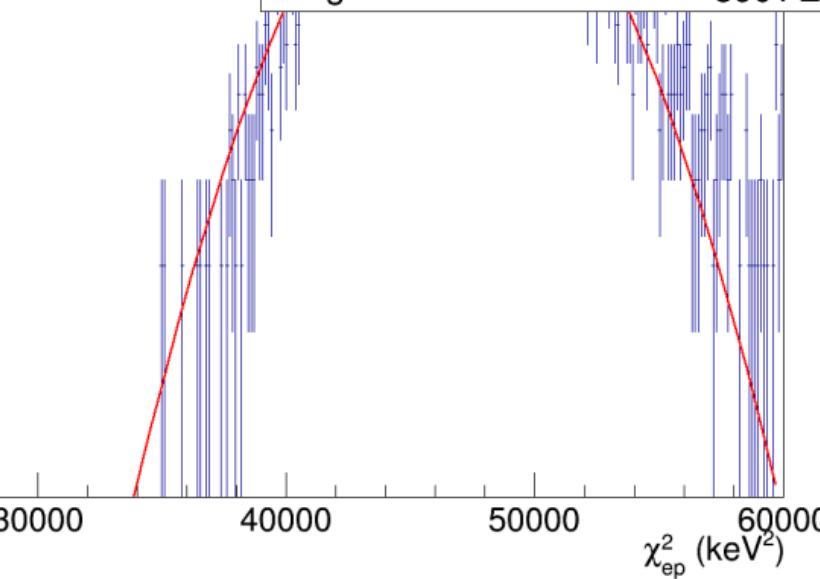
40000

50000

60000

χ^2_{ep} (keV²)

sbd_chi2_626	
Entries	3409
Mean	4.703e+004
RMS	4088
χ^2 / ndf	246.4 / 188
Constant	38.1 ± 0.9
Mean	4.687e+004 ± 7.491e+001
Sigma	3901 ± 60.6



χ^2_{ep} from 627.00 keV to 628.00 keV

probability

10²

10

1

0 10000 20000 30000 40000 50000 60000

χ^2_{ep} (keV²)

sbd_chi2_627	
Entries	3292
Mean	4.701e+004
RMS	4165
χ^2 / ndf	244.7 / 196
Constant	36.26 ± 0.84
Mean	4.691e+004 ± 7.608e+001
Sigma	3959 ± 59.0

χ^2_{ep} from 628.00 keV to 629.00 keV

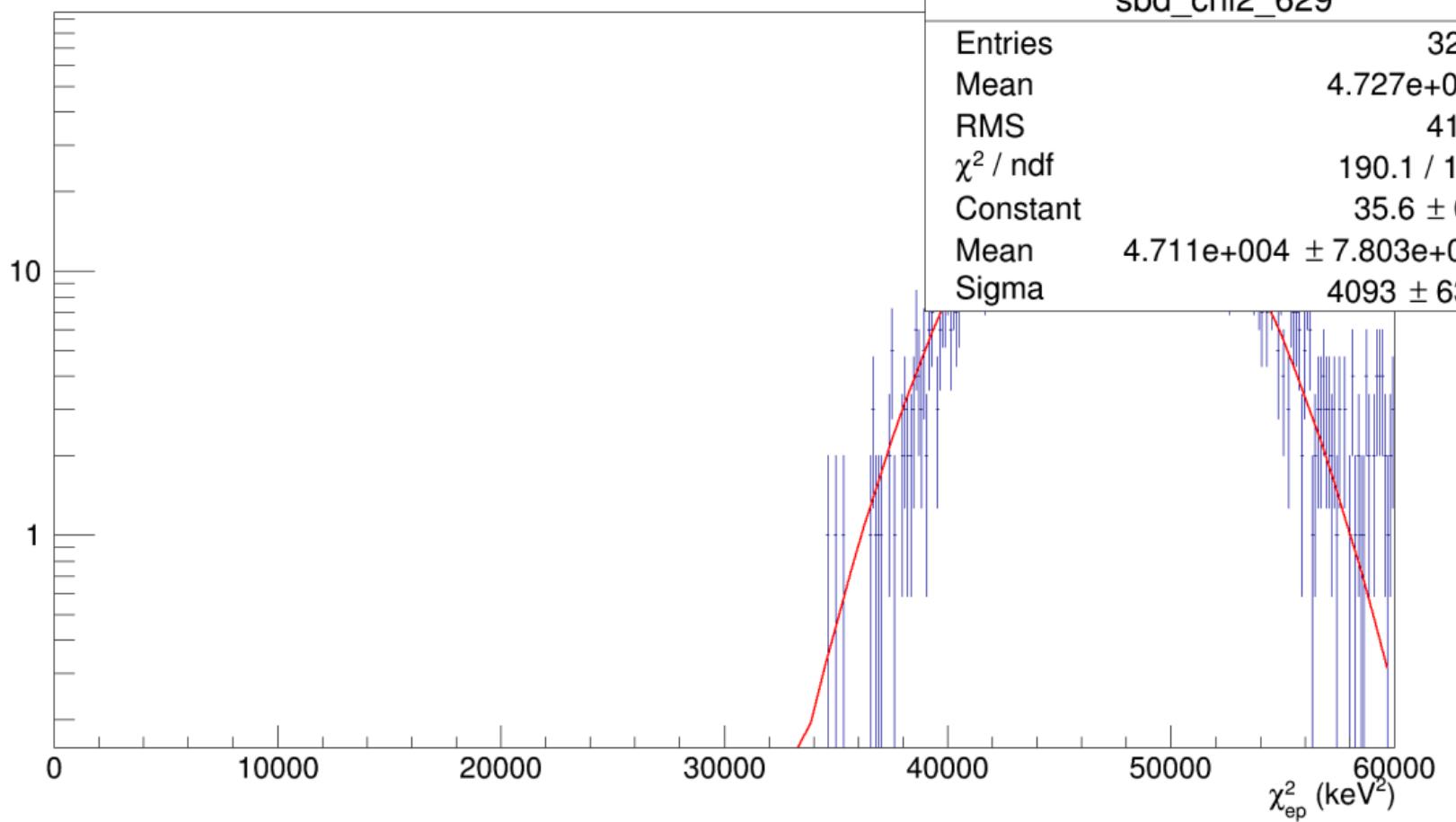
probability



sbd_chi2_628	
Entries	3270
Mean	4.707e+004
RMS	4070
χ^2 / ndf	222 / 186
Constant	36.82 ± 0.87
Mean	4.695e+004 ± 7.700e+001
Sigma	3917 ± 62.2

χ^2_{ep} from 629.00 keV to 630.00 keV

probability



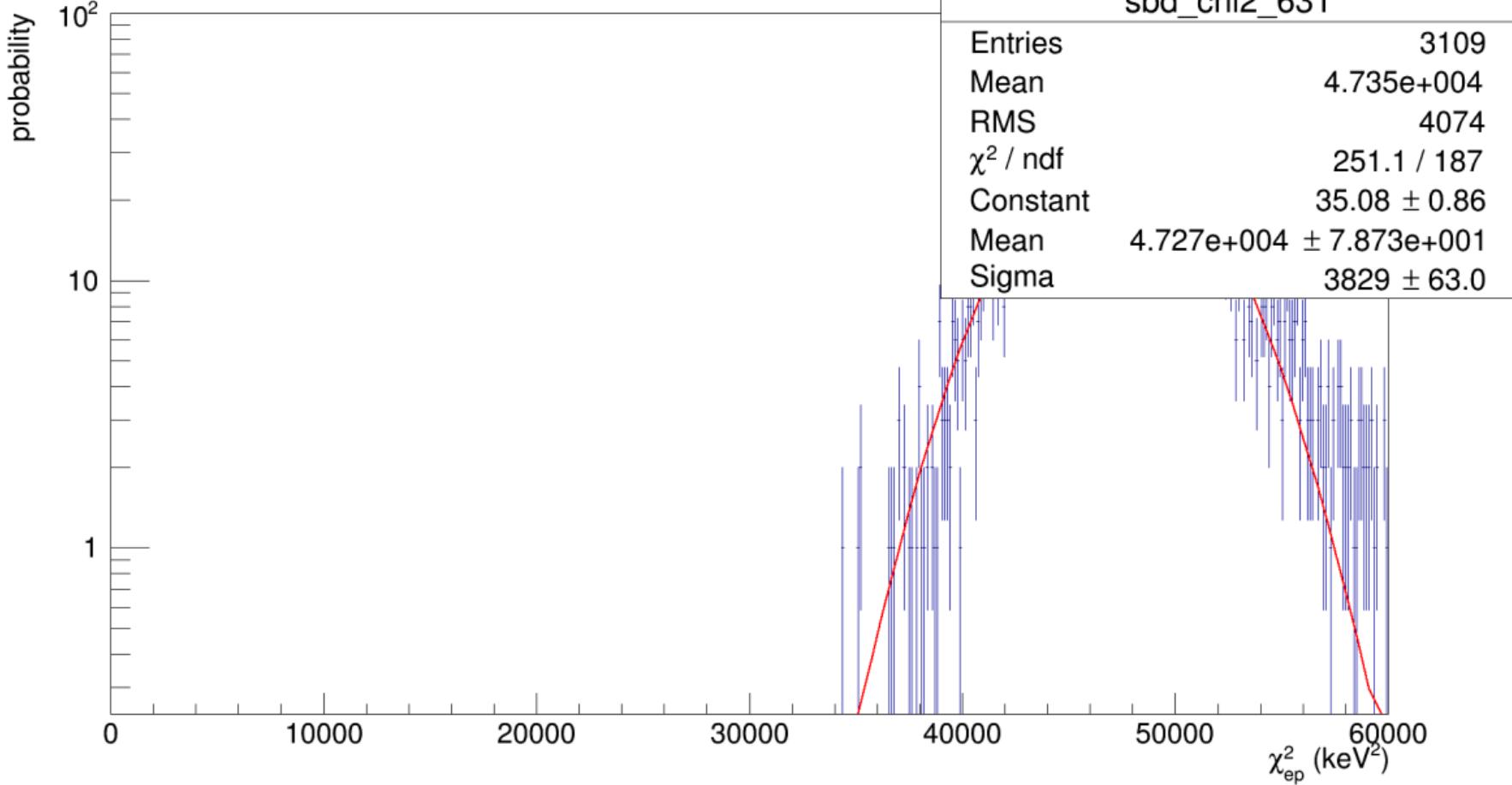
χ^2_{ep} from 630.00 keV to 631.00 keV

probability



sbd_chi2_630	
Entries	3160
Mean	4.727e+004
RMS	4074
χ^2 / ndf	192.7 / 187
Constant	35.24 ± 0.85
Mean	4.719e+004 ± 7.768e+001
Sigma	3977 ± 64.1

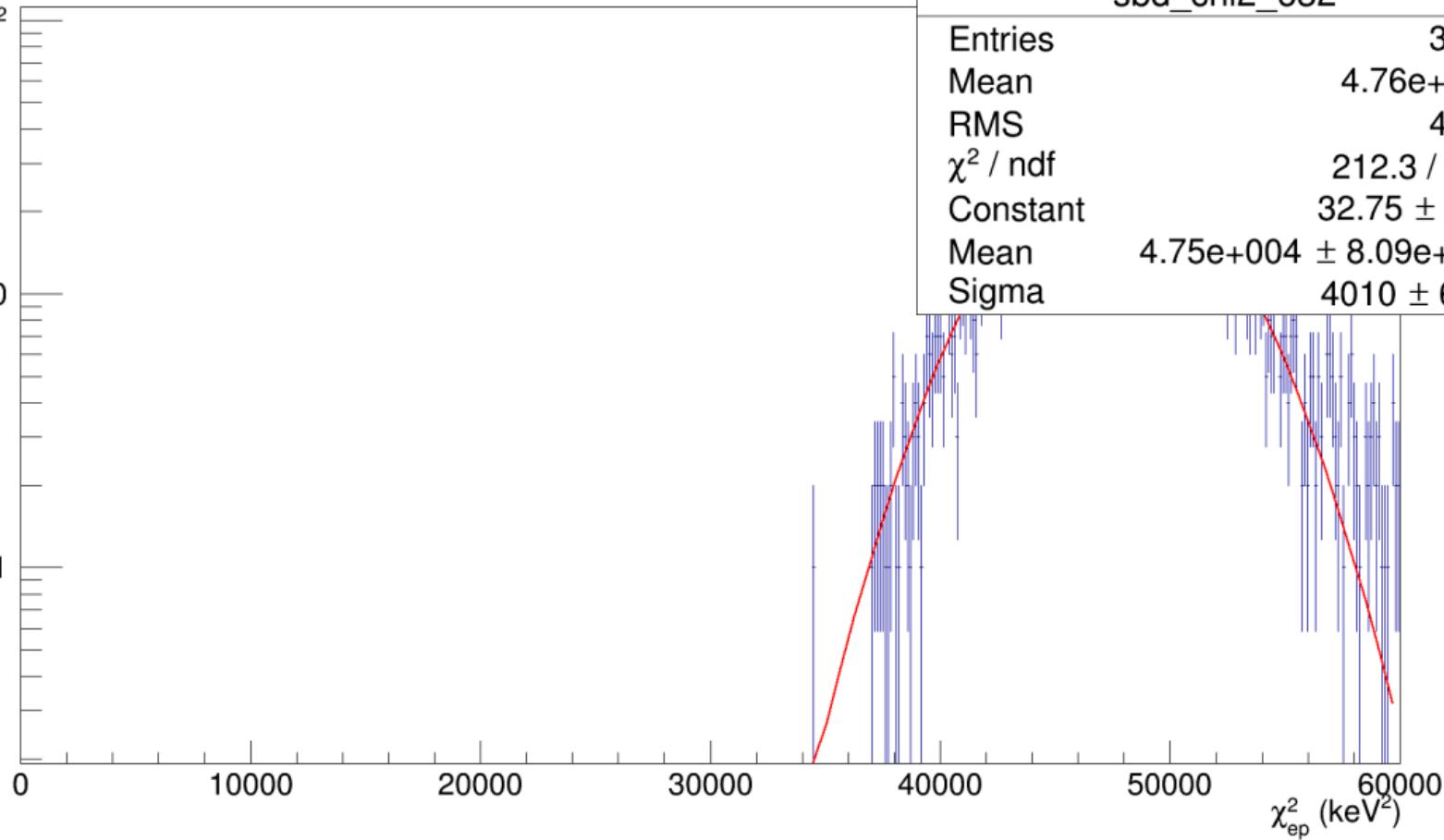
χ^2_{ep} from 631.00 keV to 632.00 keV



χ^2_{ep} from 632.00 keV to 633.00 keV

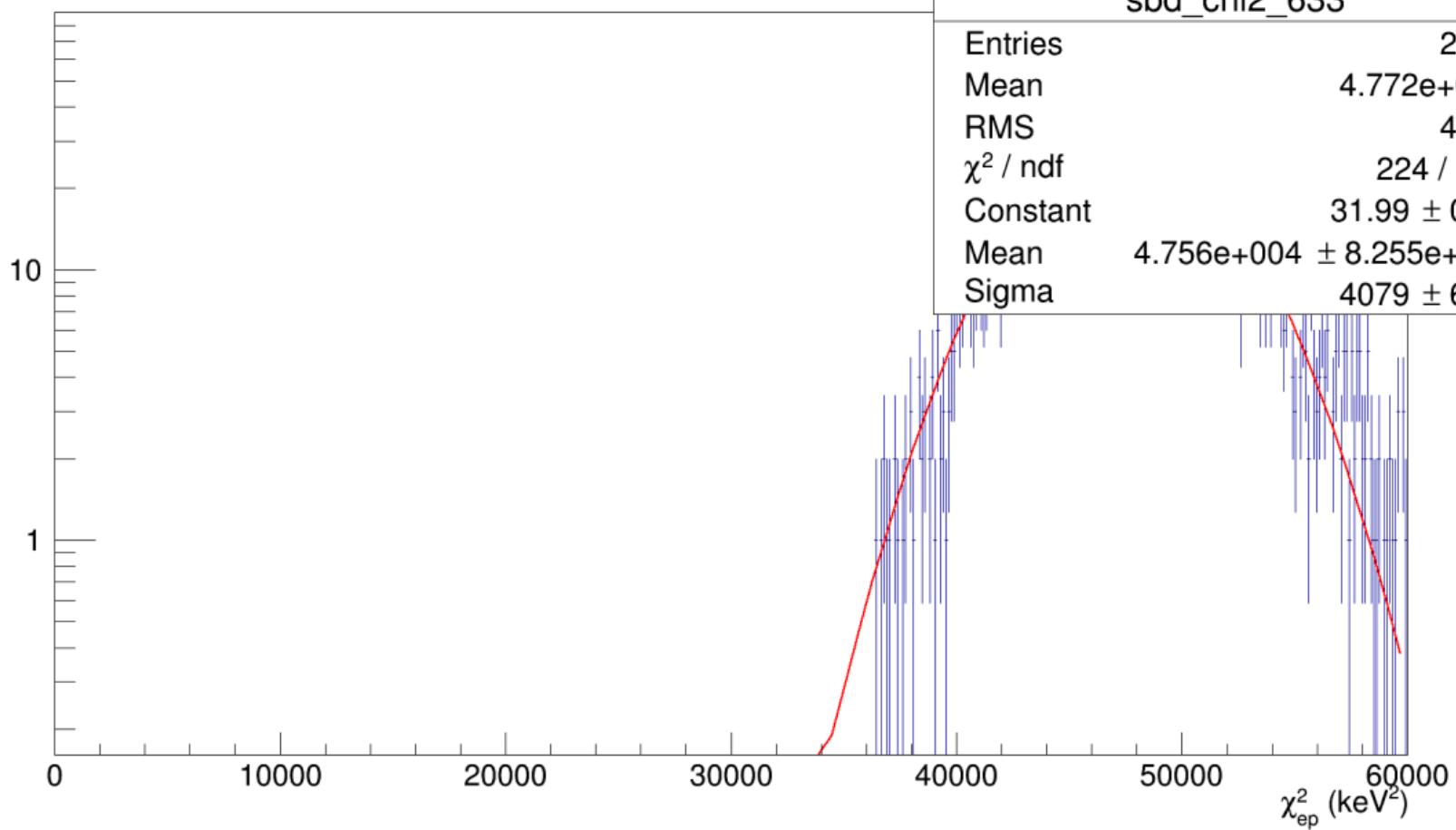
probability

sbd_chi2_632	
Entries	3007
Mean	4.76e+004
RMS	4163
χ^2 / ndf	212.3 / 186
Constant	32.75 ± 0.81
Mean	4.75e+004 ± 8.09e+001
Sigma	4010 ± 66.8



χ^2_{ep} from 633.00 keV to 634.00 keV

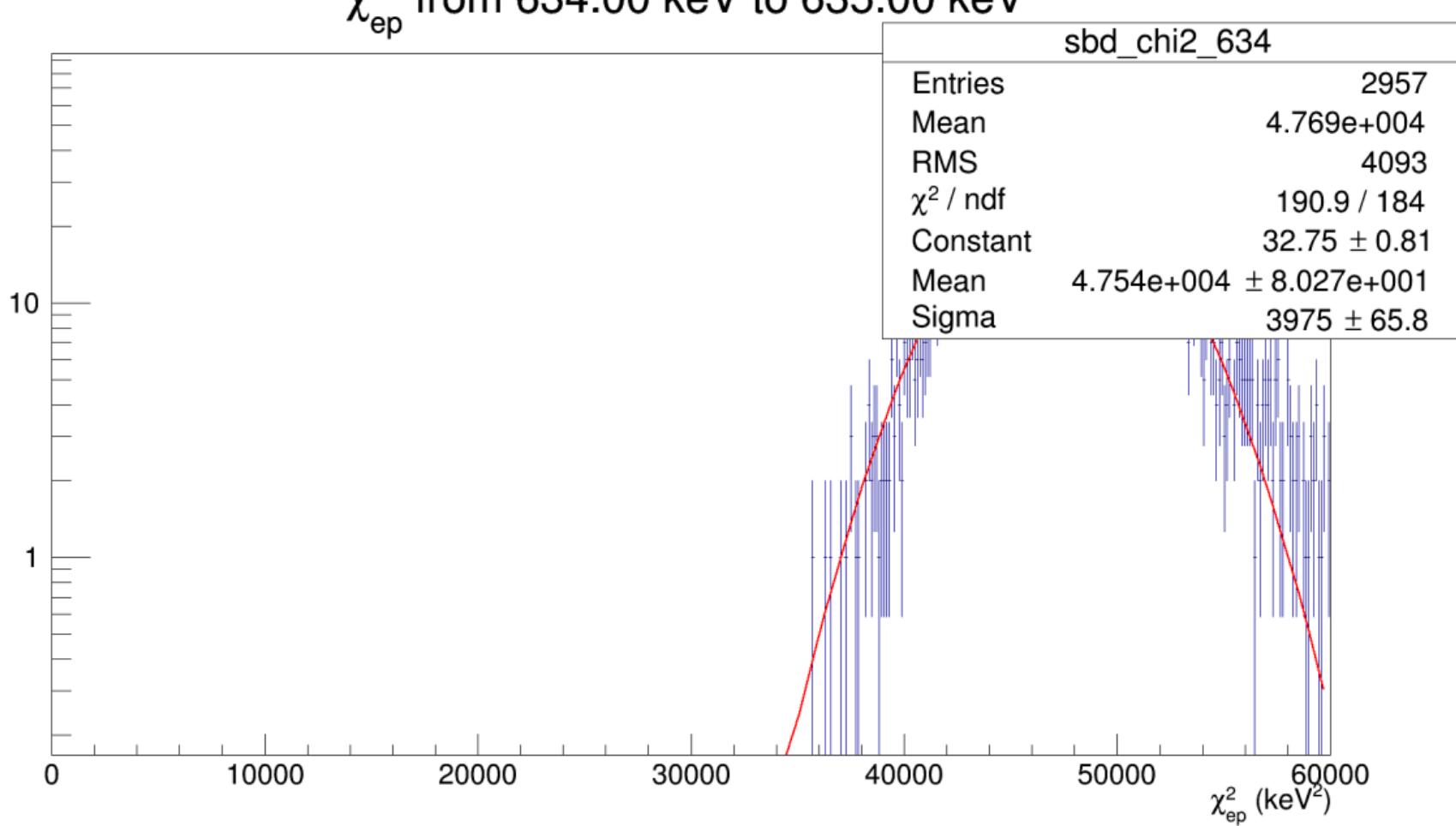
probability



sbd_chi2_633	
Entries	2994
Mean	4.772e+004
RMS	4202
χ^2 / ndf	224 / 186
Constant	31.99 ± 0.79
Mean	4.756e+004 ± 8.255e+001
Sigma	4079 ± 65.8

χ^2_{ep} from 634.00 keV to 635.00 keV

probability



χ^2_{ep} from 635.00 keV to 636.00 keV

probability

10²

10

1

0

10000

20000

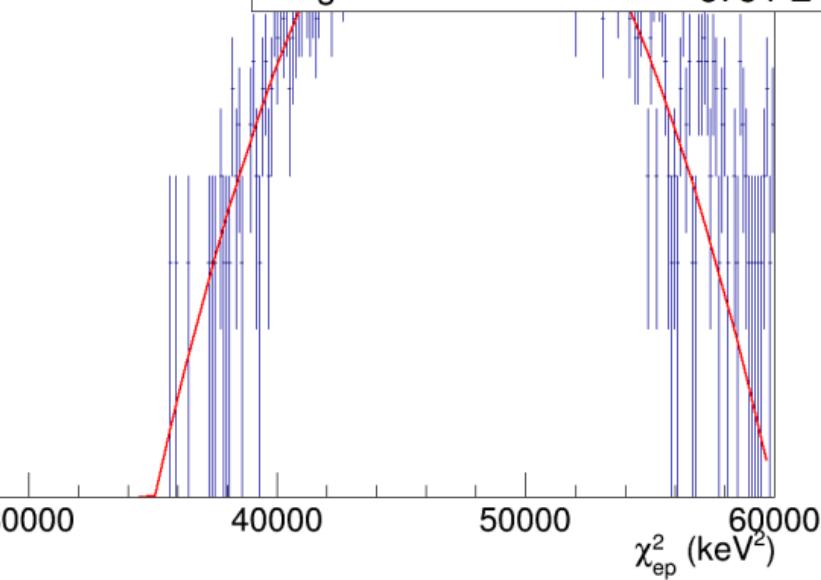
30000

50000

60000

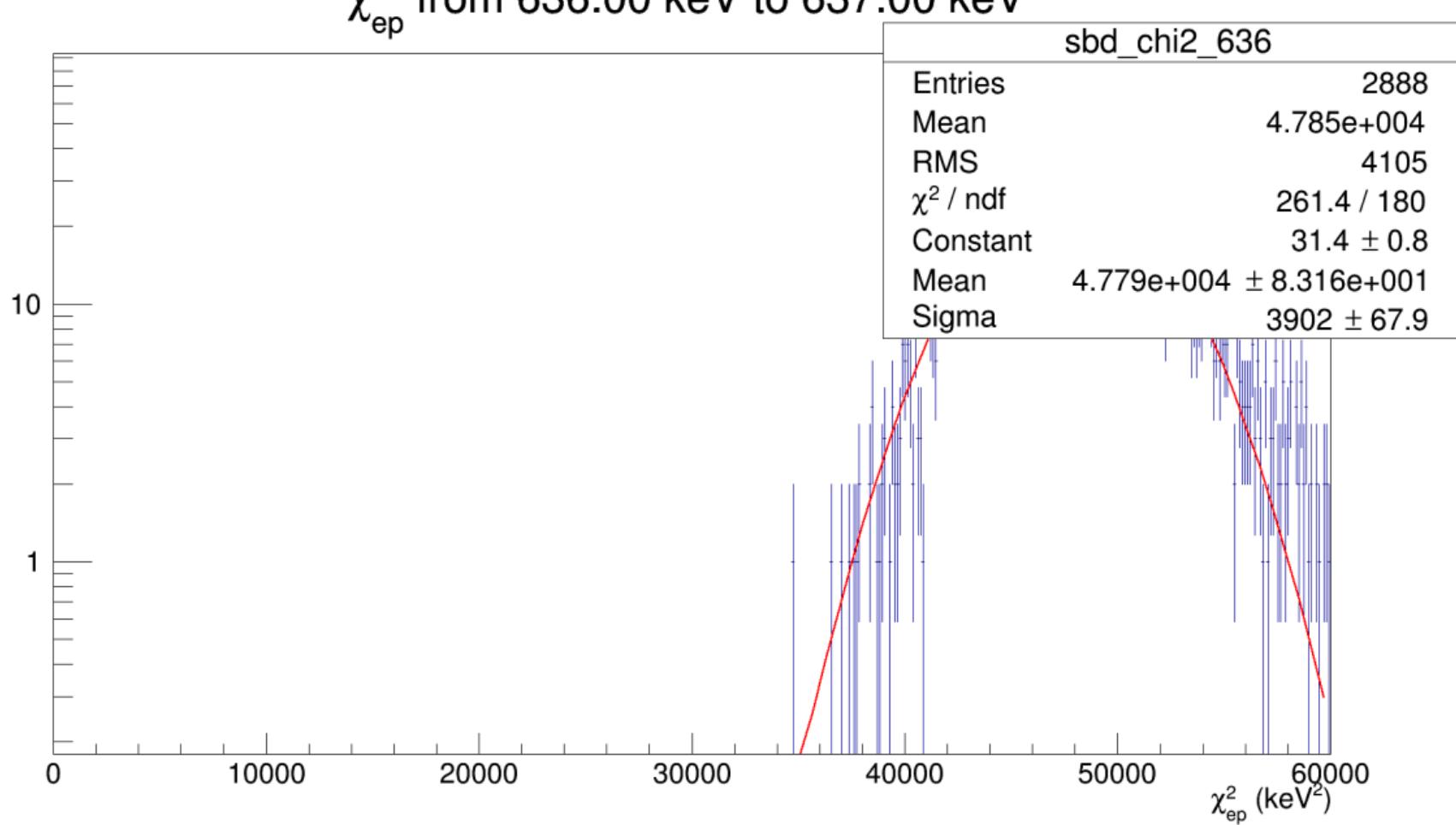
χ^2_{ep} (keV²)

sbd_chi2_635	
Entries	3034
Mean	4.781e+004
RMS	4022
χ^2 / ndf	210.6 / 186
Constant	35.12 ± 0.85
Mean	4.756e+004 ± 7.359e+001
Sigma	3784 ± 58.6



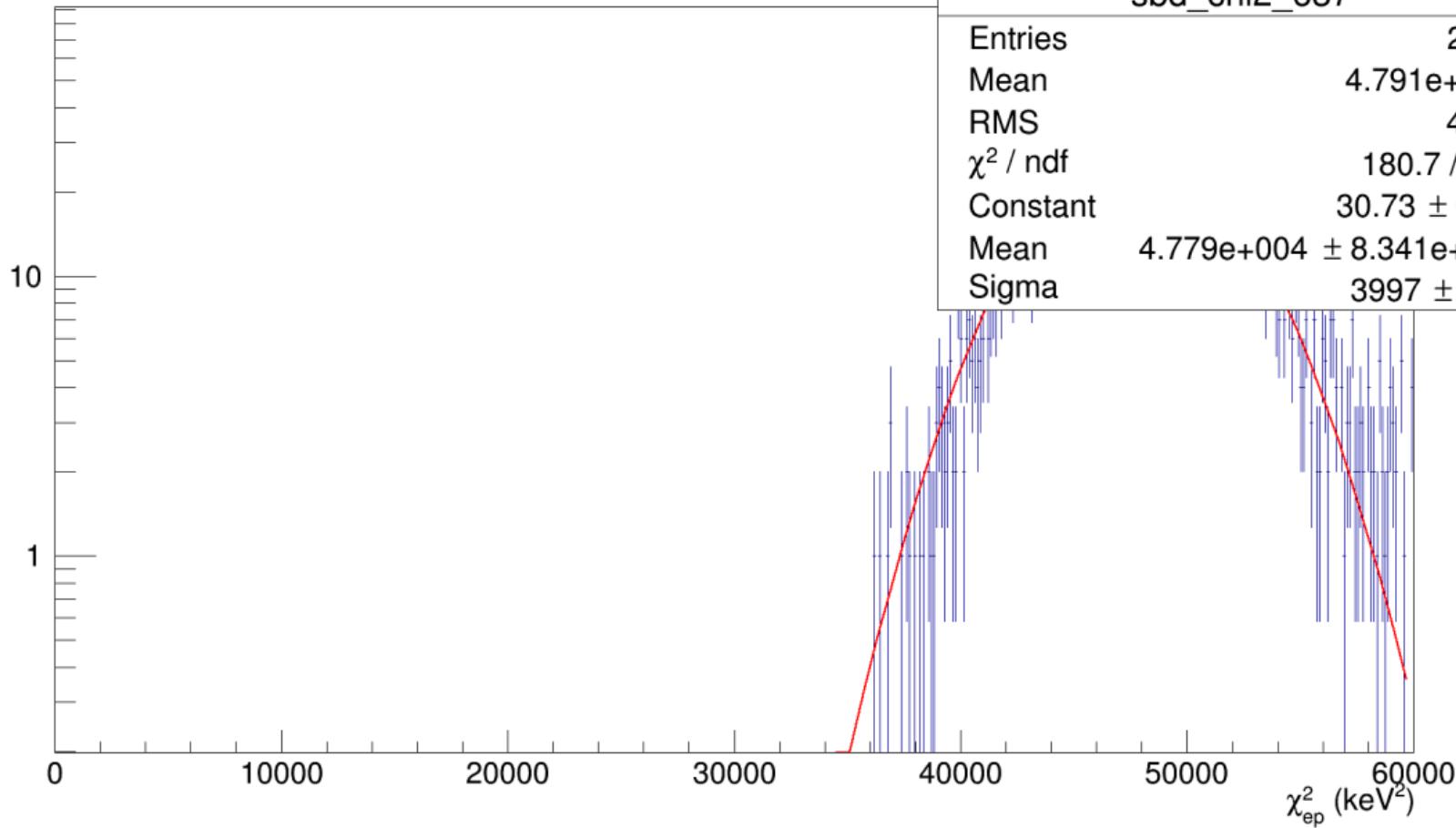
χ^2_{ep} from 636.00 keV to 637.00 keV

probability



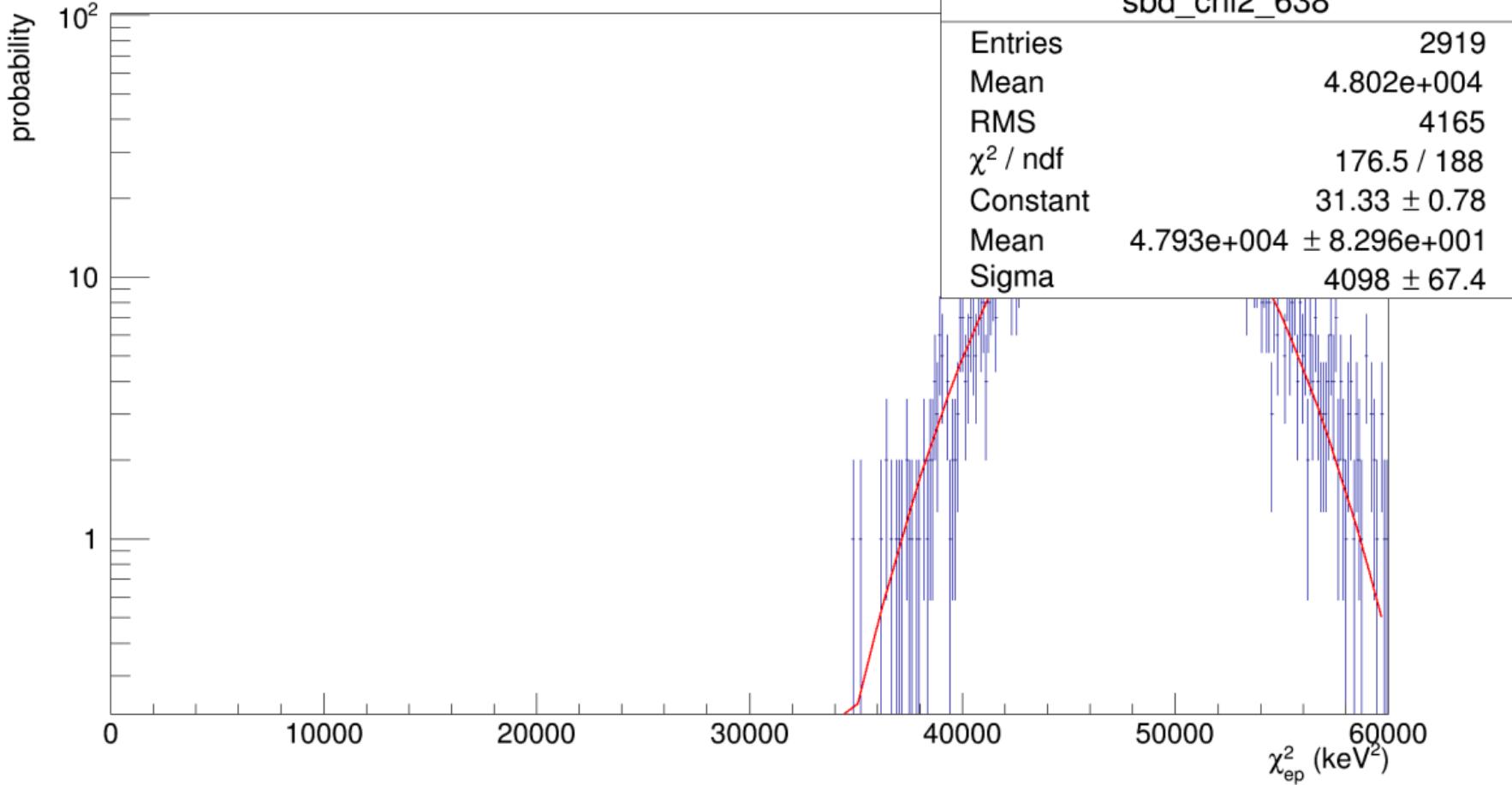
χ^2_{ep} from 637.00 keV to 638.00 keV

probability



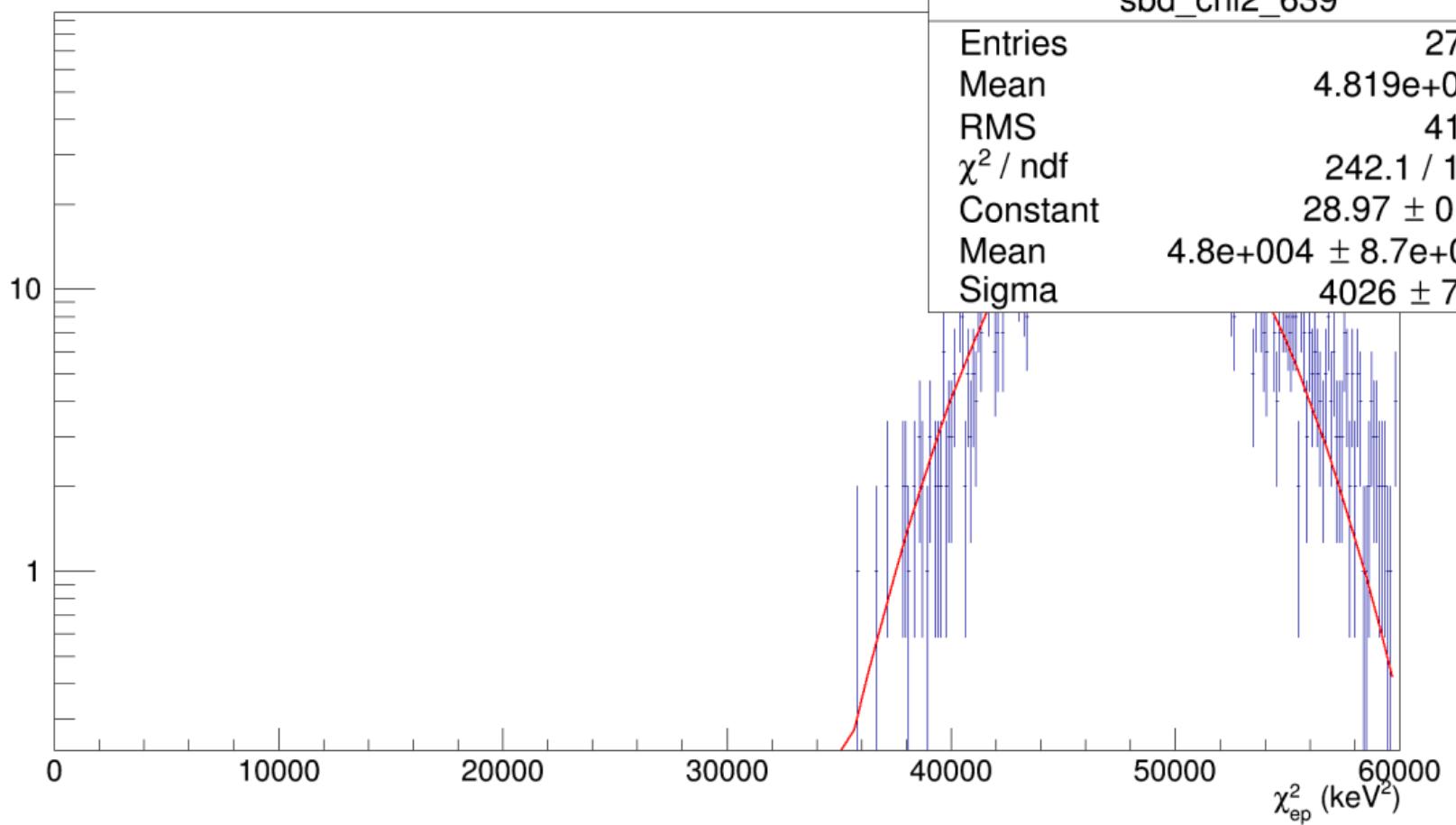
sbd_chi2_637	
Entries	2805
Mean	4.791e+004
RMS	4127
χ^2 / ndf	180.7 / 181
Constant	30.73 ± 0.77
Mean	4.779e+004 ± 8.341e+001
Sigma	3997 ± 66.1

χ^2_{ep} from 638.00 keV to 639.00 keV



χ^2_{ep} from 639.00 keV to 640.00 keV

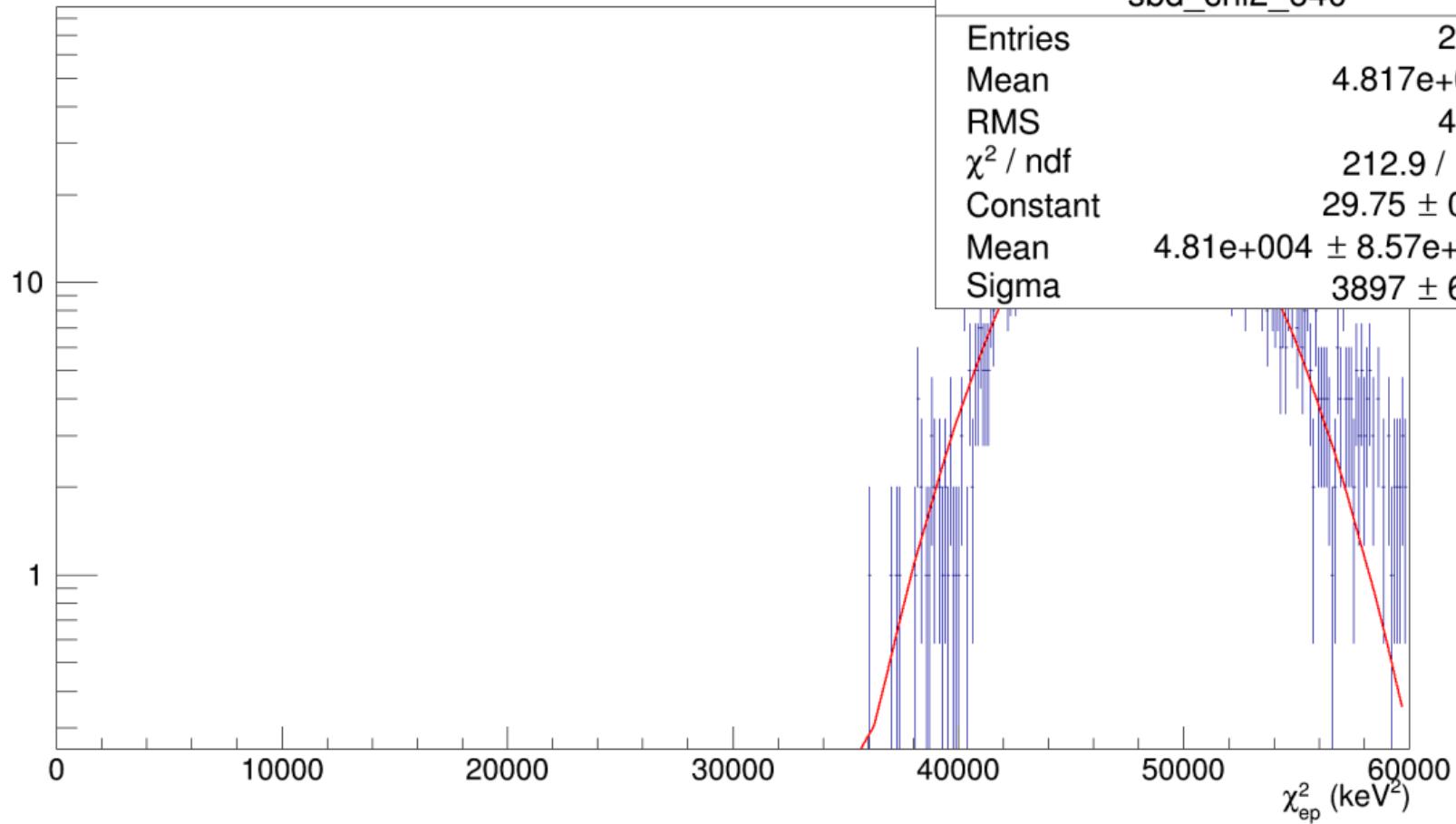
probability



sbd_chi2_639	
Entries	2723
Mean	4.819e+004
RMS	4117
χ^2 / ndf	242.1 / 178
Constant	28.97 ± 0.78
Mean	$4.8\text{e+}004 \pm 8.7\text{e+}001$
Sigma	4026 ± 77.1

χ^2_{ep} from 640.00 keV to 641.00 keV

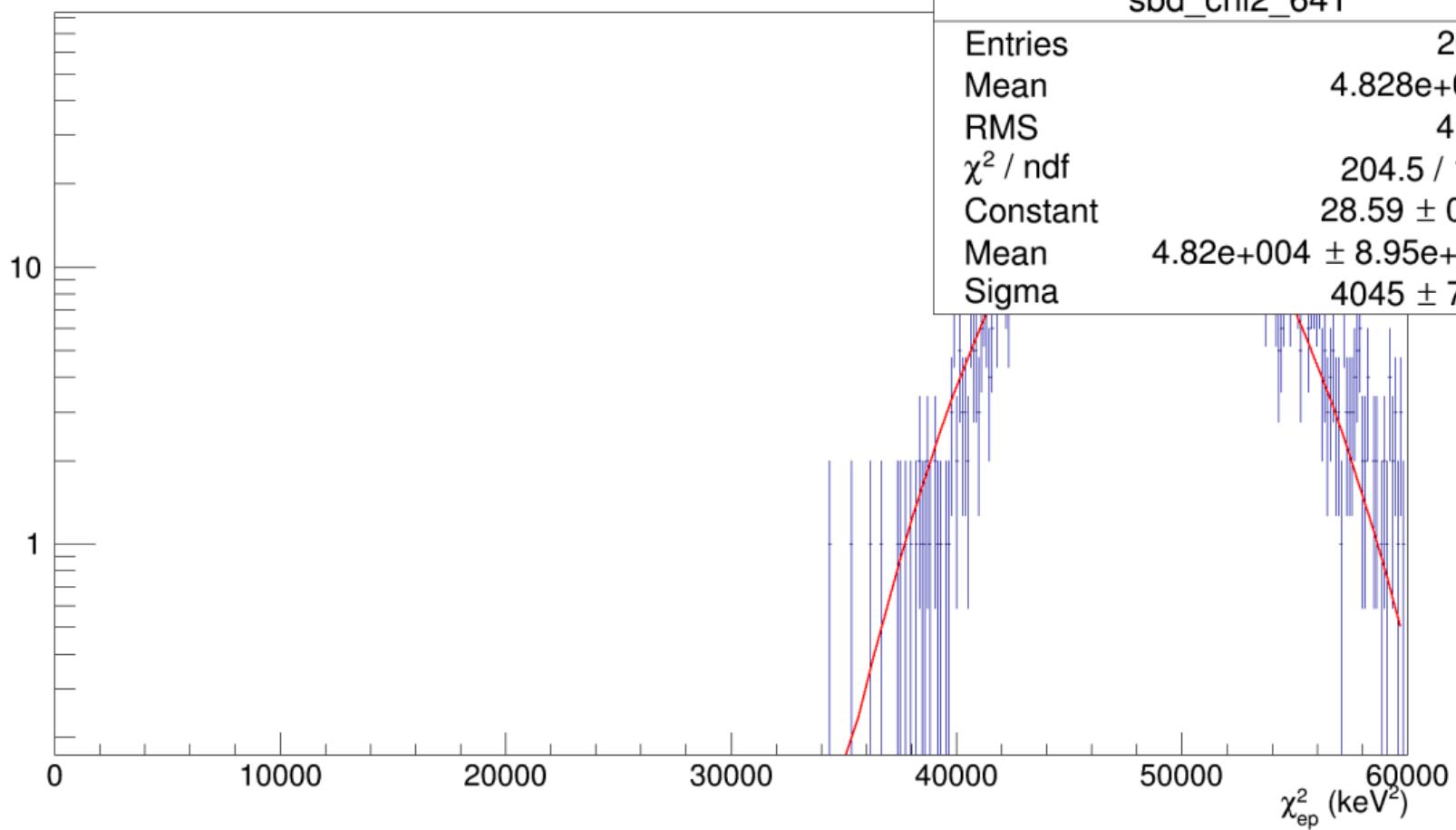
probability



sbd_chi2_640	
Entries	2697
Mean	4.817e+004
RMS	4098
χ^2 / ndf	212.9 / 178
Constant	29.75 ± 0.78
Mean	4.81e+004 ± 8.57e+001
Sigma	3897 ± 66.8

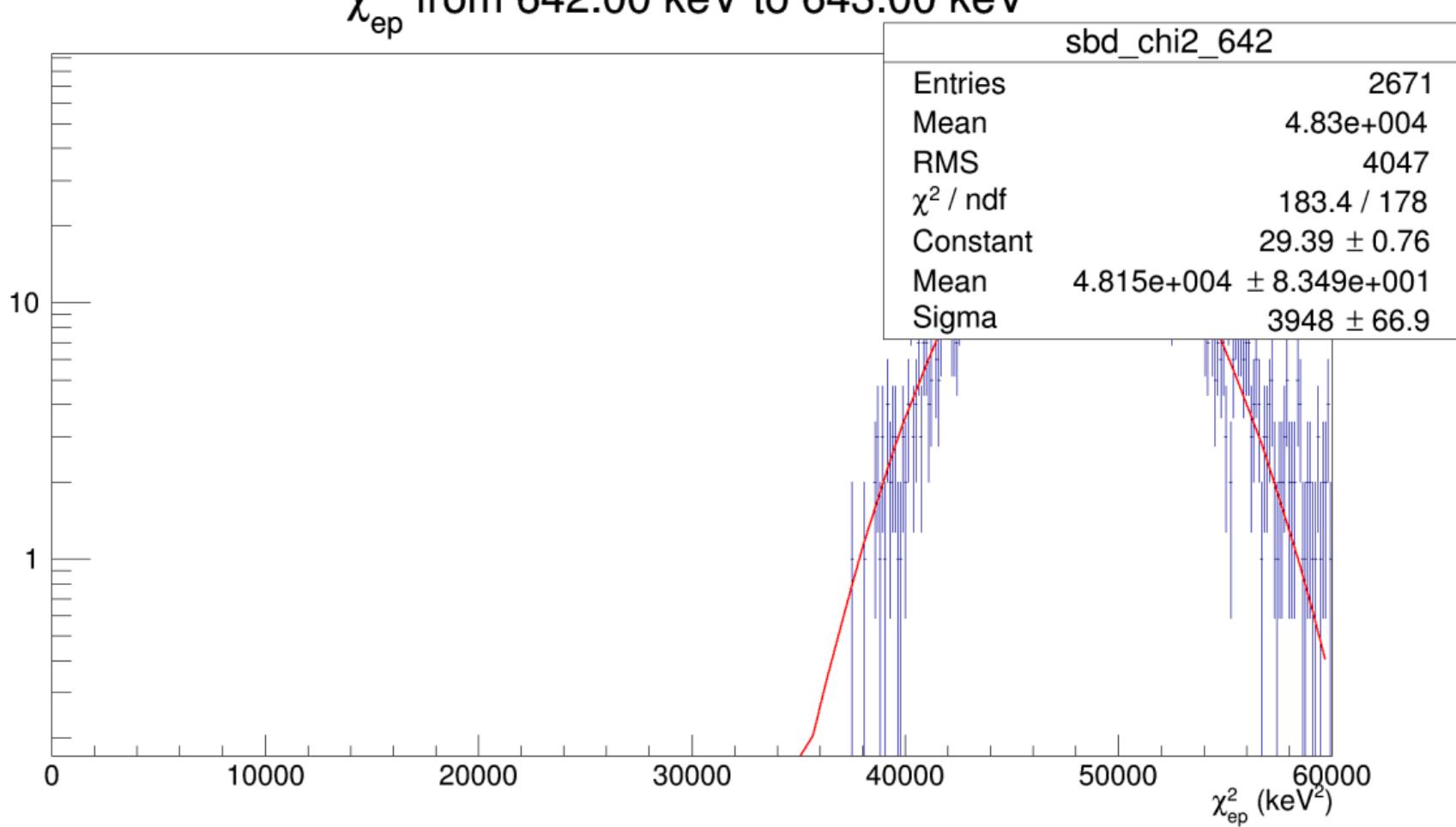
χ^2_{ep} from 641.00 keV to 642.00 keV

probability



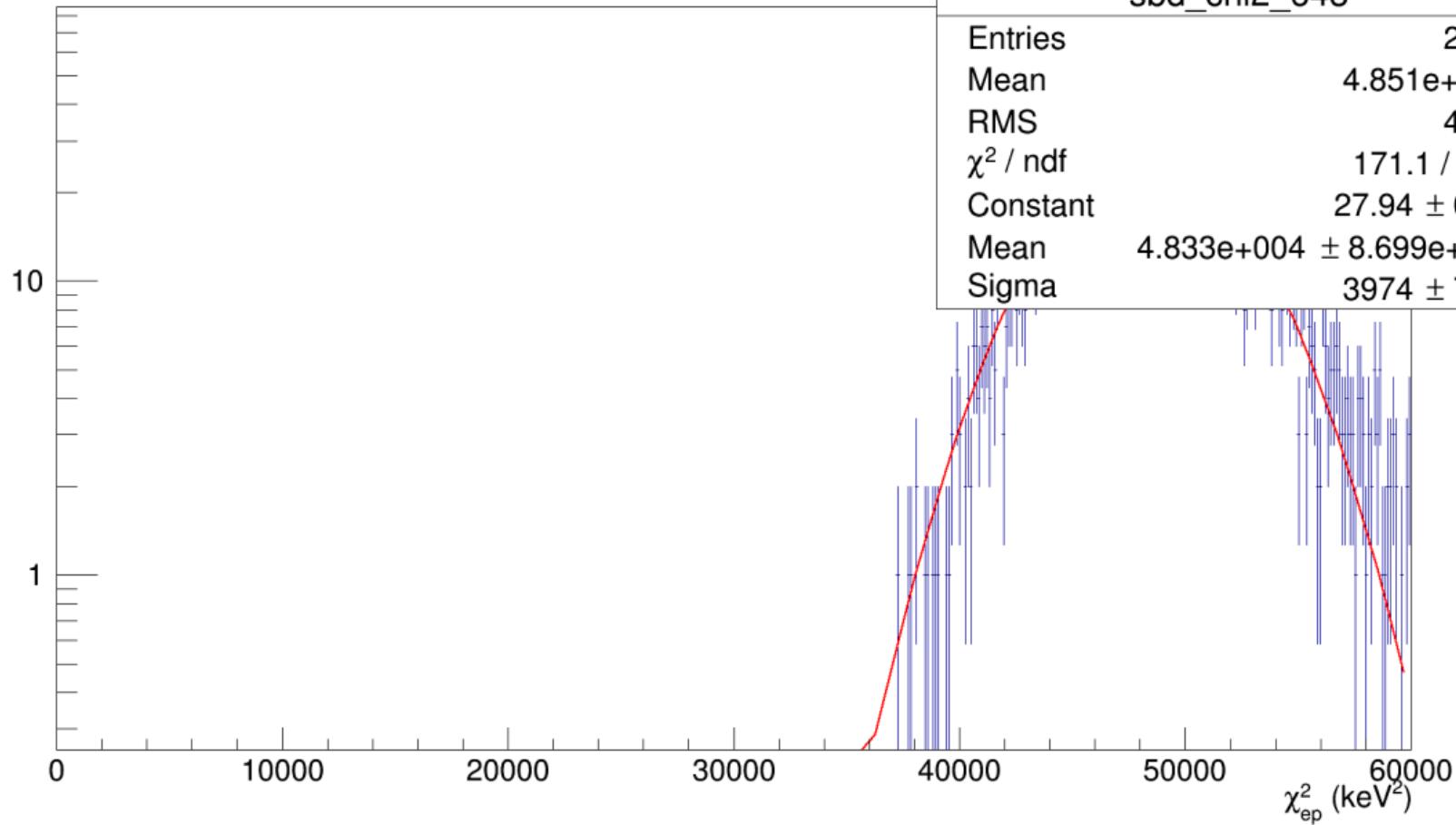
χ^2_{ep} from 642.00 keV to 643.00 keV

probability



χ^2_{ep} from 643.00 keV to 644.00 keV

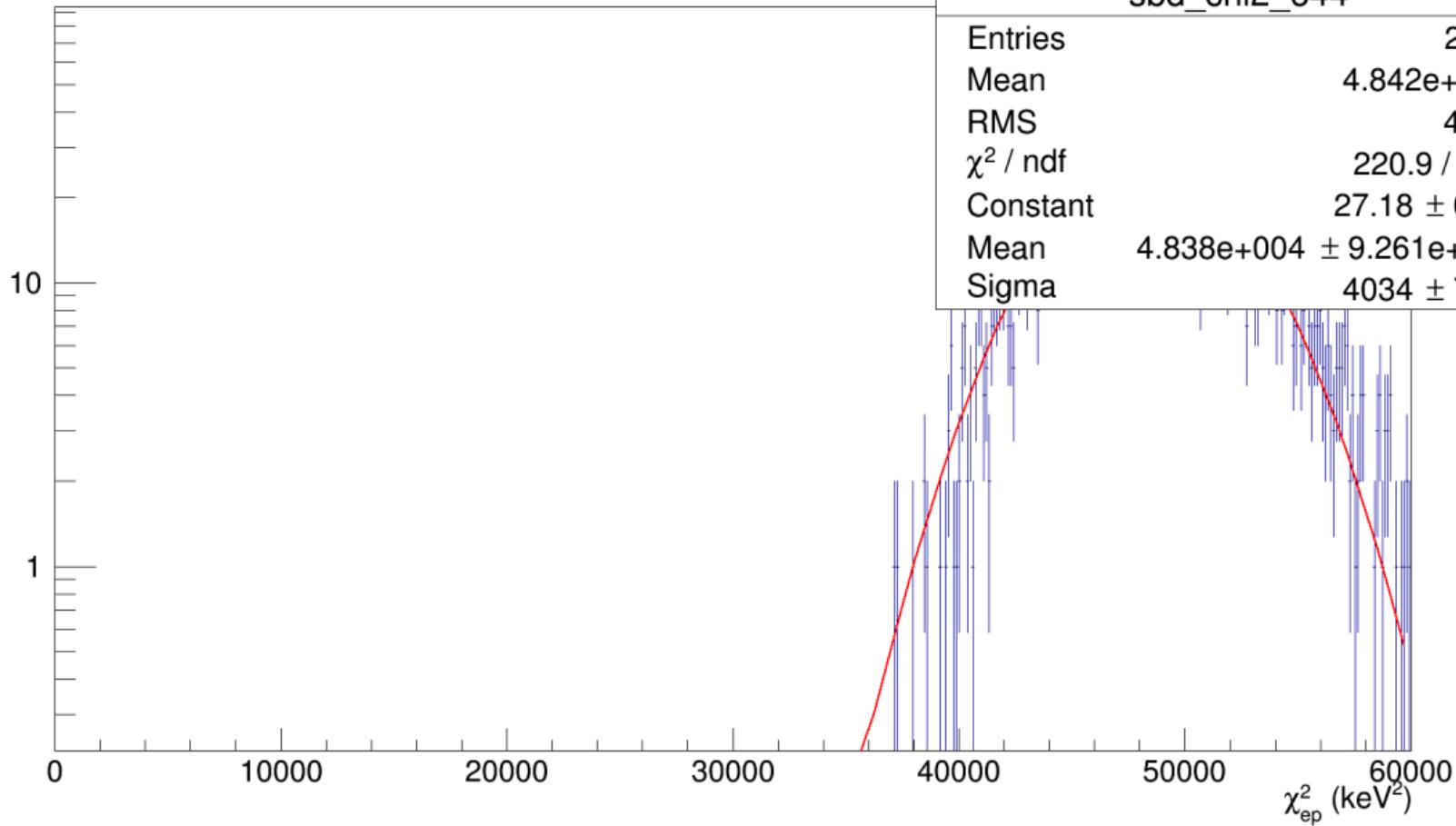
probability



sbd_chi2_643	
Entries	2547
Mean	4.851e+004
RMS	4016
χ^2 / ndf	171.1 / 174
Constant	27.94 ± 0.74
Mean	4.833e+004 ± 8.699e+001
Sigma	3974 ± 70.8

χ^2_{ep} from 644.00 keV to 645.00 keV

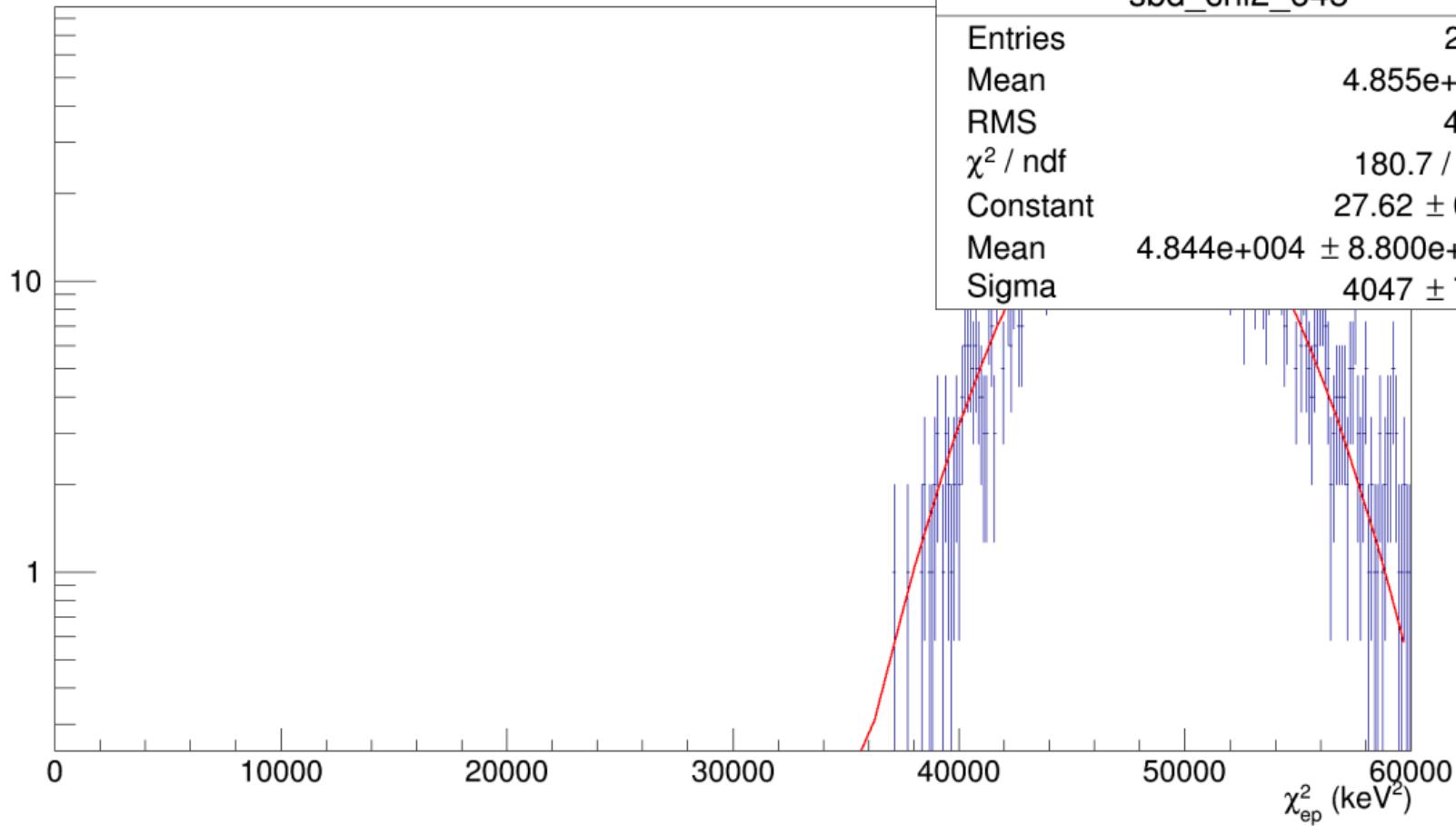
probability



sbd_chi2_644	
Entries	2558
Mean	4.842e+004
RMS	4059
χ^2 / ndf	220.9 / 170
Constant	27.18 ± 0.74
Mean	4.838e+004 ± 9.261e+001
Sigma	4034 ± 75.9

χ^2_{ep} from 645.00 keV to 646.00 keV

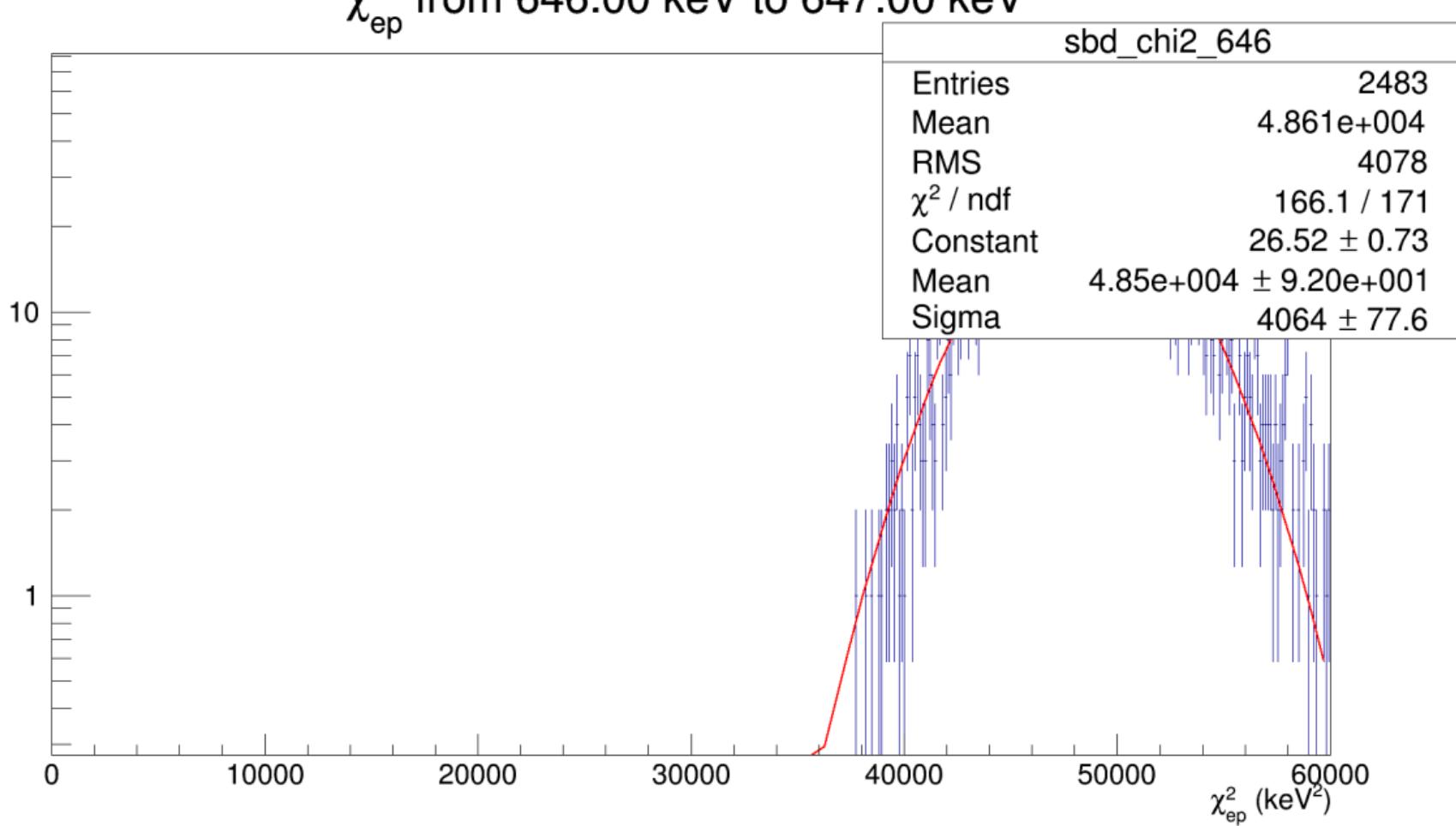
probability



sbd_chi2_645	
Entries	2570
Mean	4.855e+004
RMS	4078
χ^2 / ndf	180.7 / 178
Constant	27.62 ± 0.74
Mean	4.844e+004 ± 8.800e+001
Sigma	4047 ± 73.3

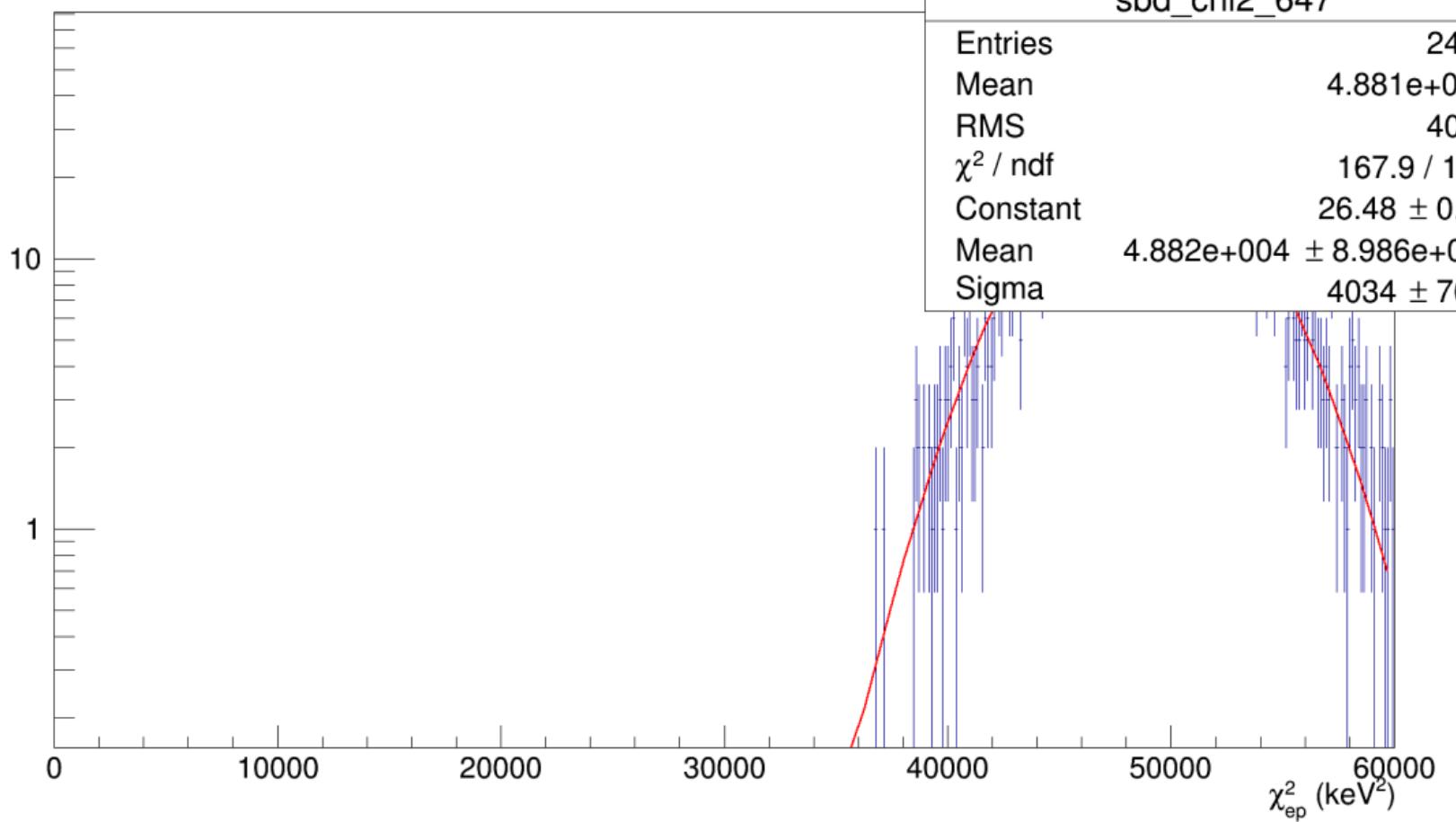
χ^2_{ep} from 646.00 keV to 647.00 keV

probability



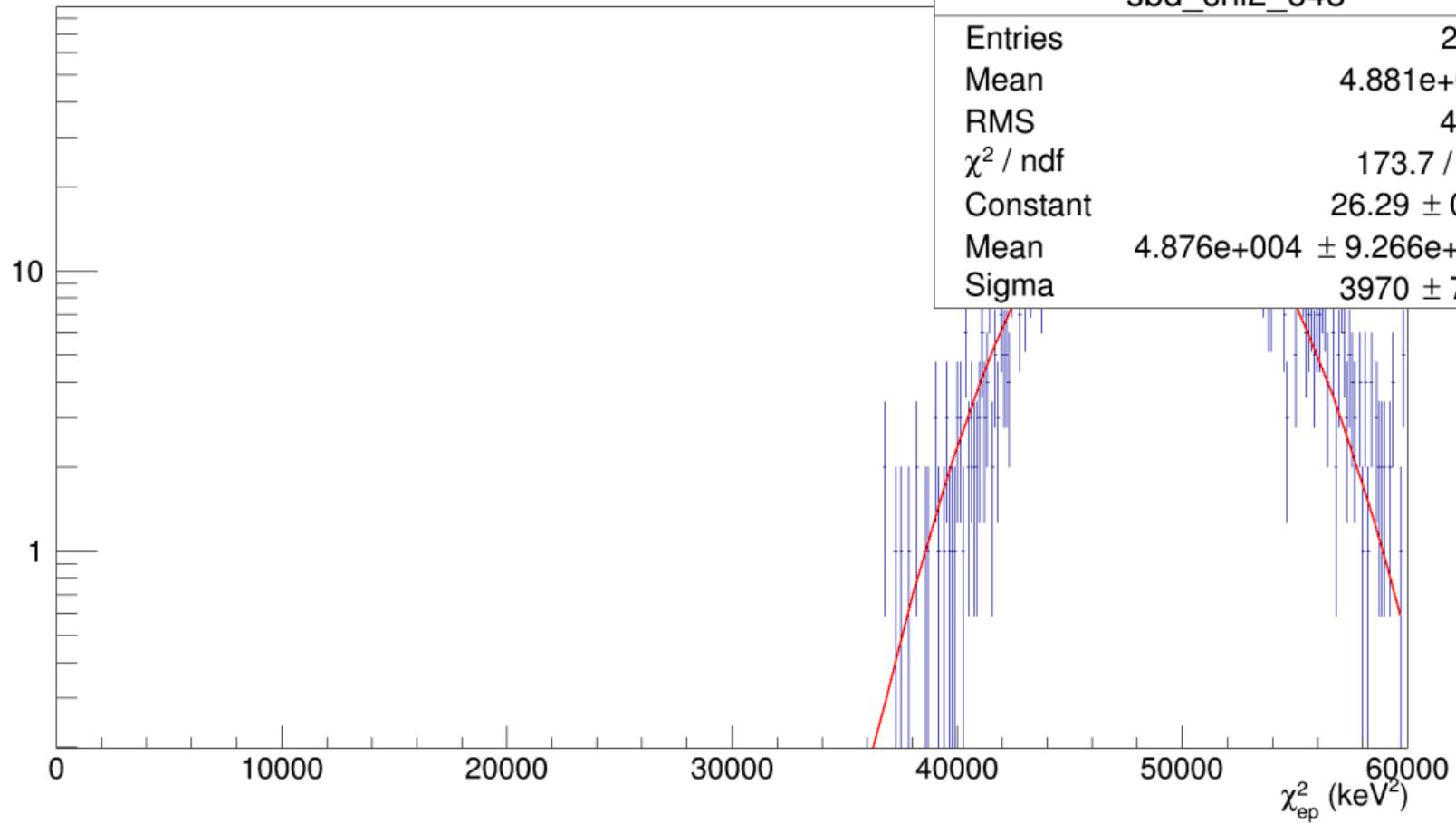
χ^2_{ep} from 647.00 keV to 648.00 keV

probability



χ^2_{ep} from 648.00 keV to 649.00 keV

probability



sbd_chi2_648	
Entries	2420
Mean	4.881e+004
RMS	4033
χ^2 / ndf	173.7 / 171
Constant	26.29 ± 0.73
Mean	4.876e+004 ± 9.266e+001
Sigma	3970 ± 75.8

χ^2_{ep} from 649.00 keV to 650.00 keV

probability

10

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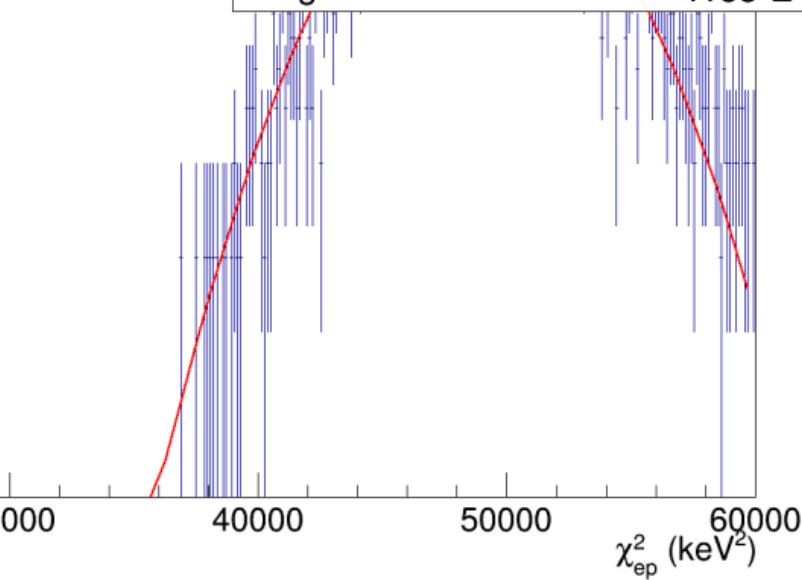
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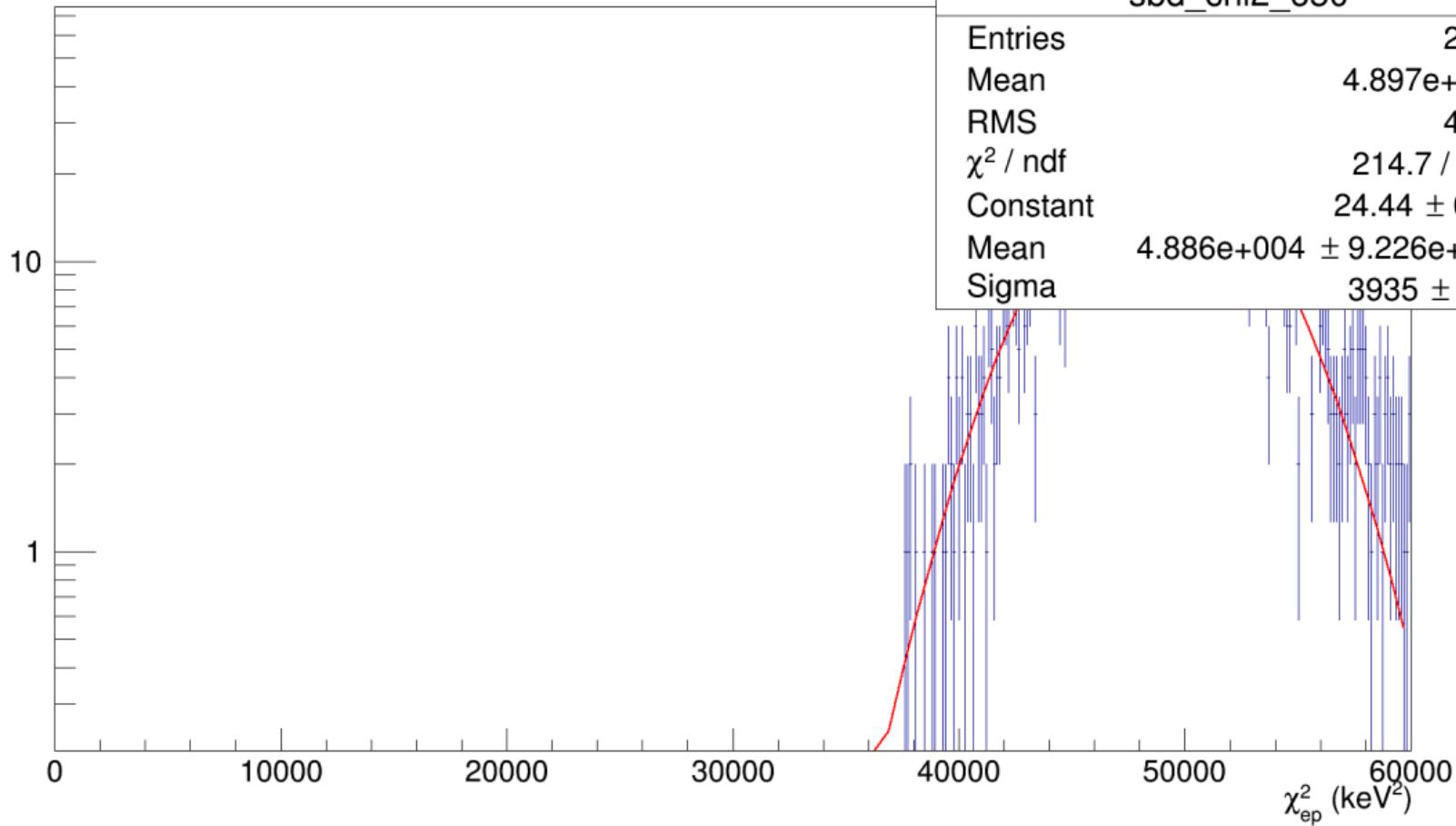
χ^2_{ep} (keV 2)

sbd_chi2_649	
Entries	2253
Mean	4.9e+004
RMS	4199
χ^2 / ndf	174.9 / 179
Constant	23.08 ± 0.69
Mean	4.893e+004 ± 9.882e+001
Sigma	4153 ± 87.7



χ^2_{ep} from 650.00 keV to 651.00 keV

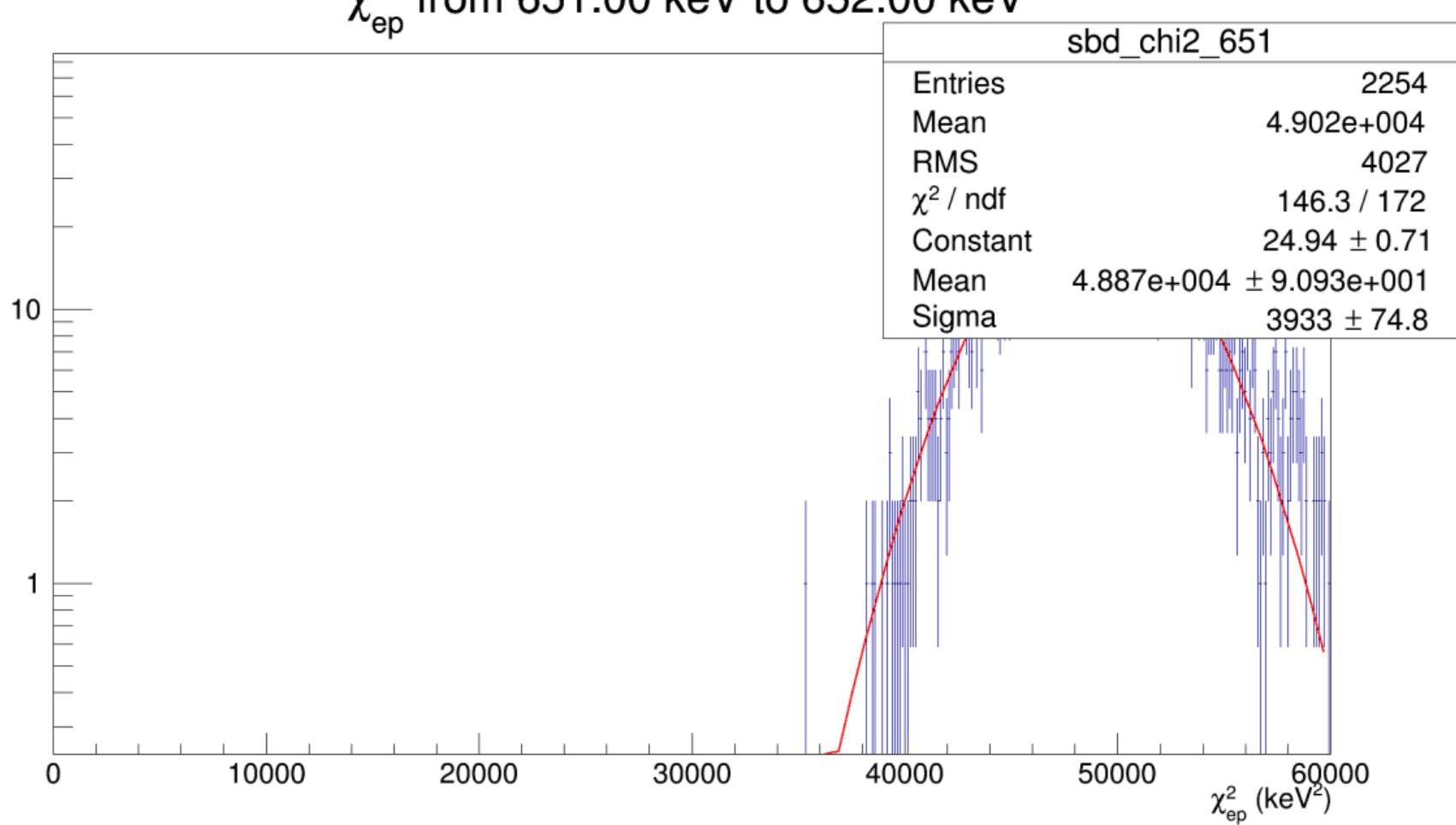
probability



sbd_chi2_650	
Entries	2304
Mean	4.897e+004
RMS	4085
χ^2 / ndf	214.7 / 177
Constant	24.44 ± 0.72
Mean	4.886e+004 ± 9.226e+001
Sigma	3935 ± 79.1

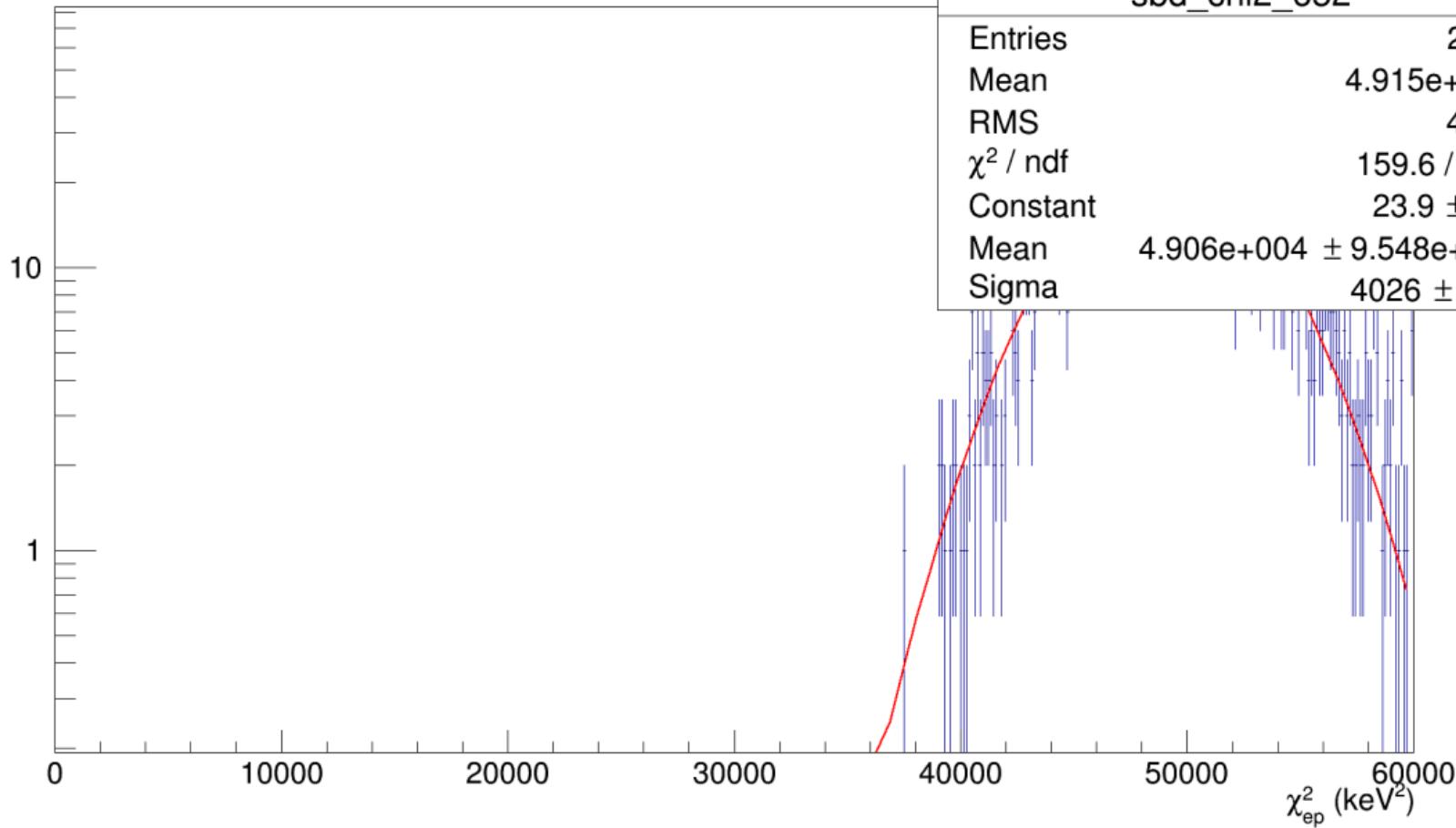
χ^2_{ep} from 651.00 keV to 652.00 keV

probability



χ^2_{ep} from 652.00 keV to 653.00 keV

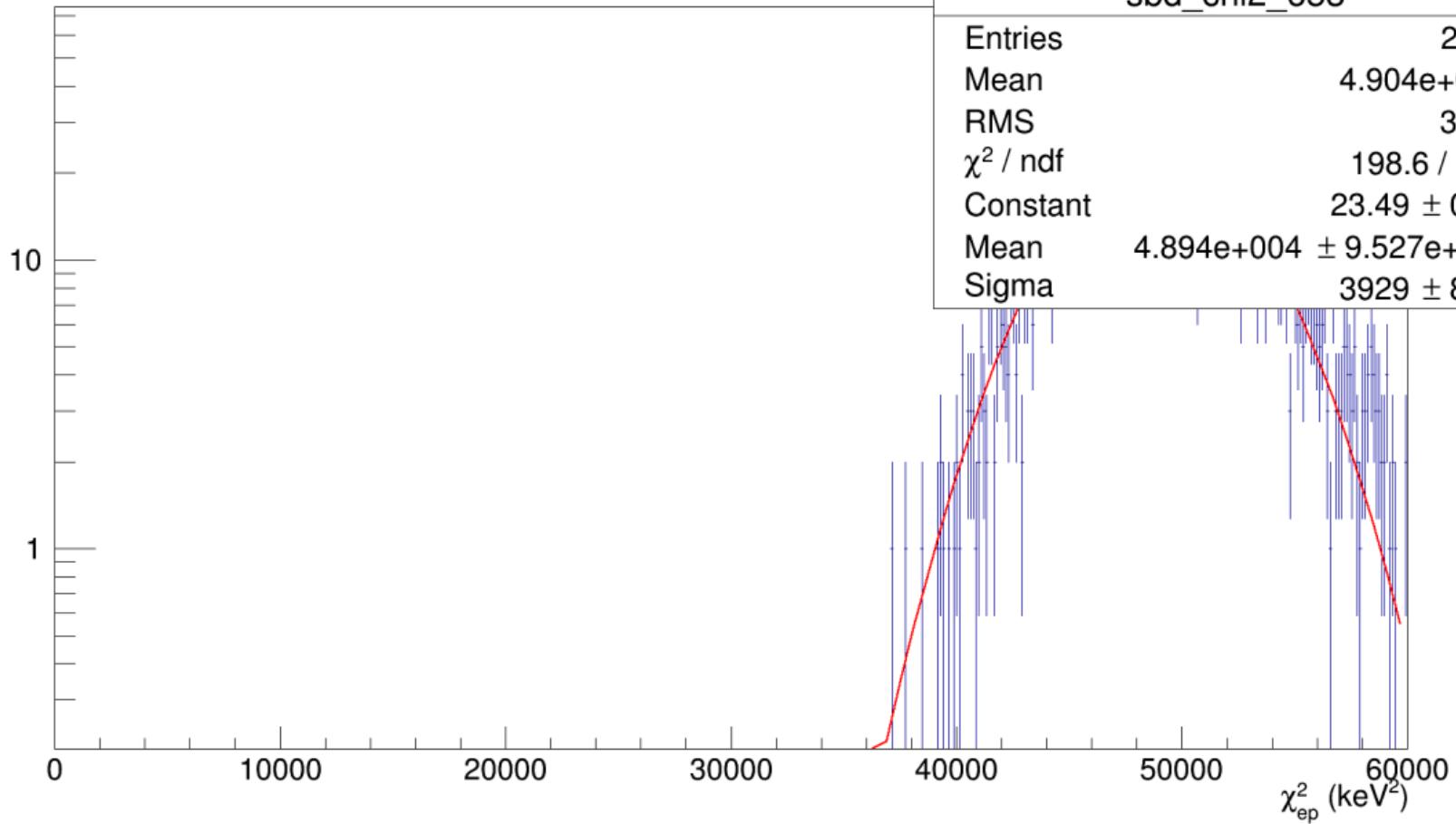
probability



sbd_chi2_652	
Entries	2235
Mean	4.915e+004
RMS	4063
χ^2 / ndf	159.6 / 168
Constant	23.9 ± 0.7
Mean	4.906e+004 ± 9.548e+001
Sigma	4026 ± 82.1

χ^2_{ep} from 653.00 keV to 654.00 keV

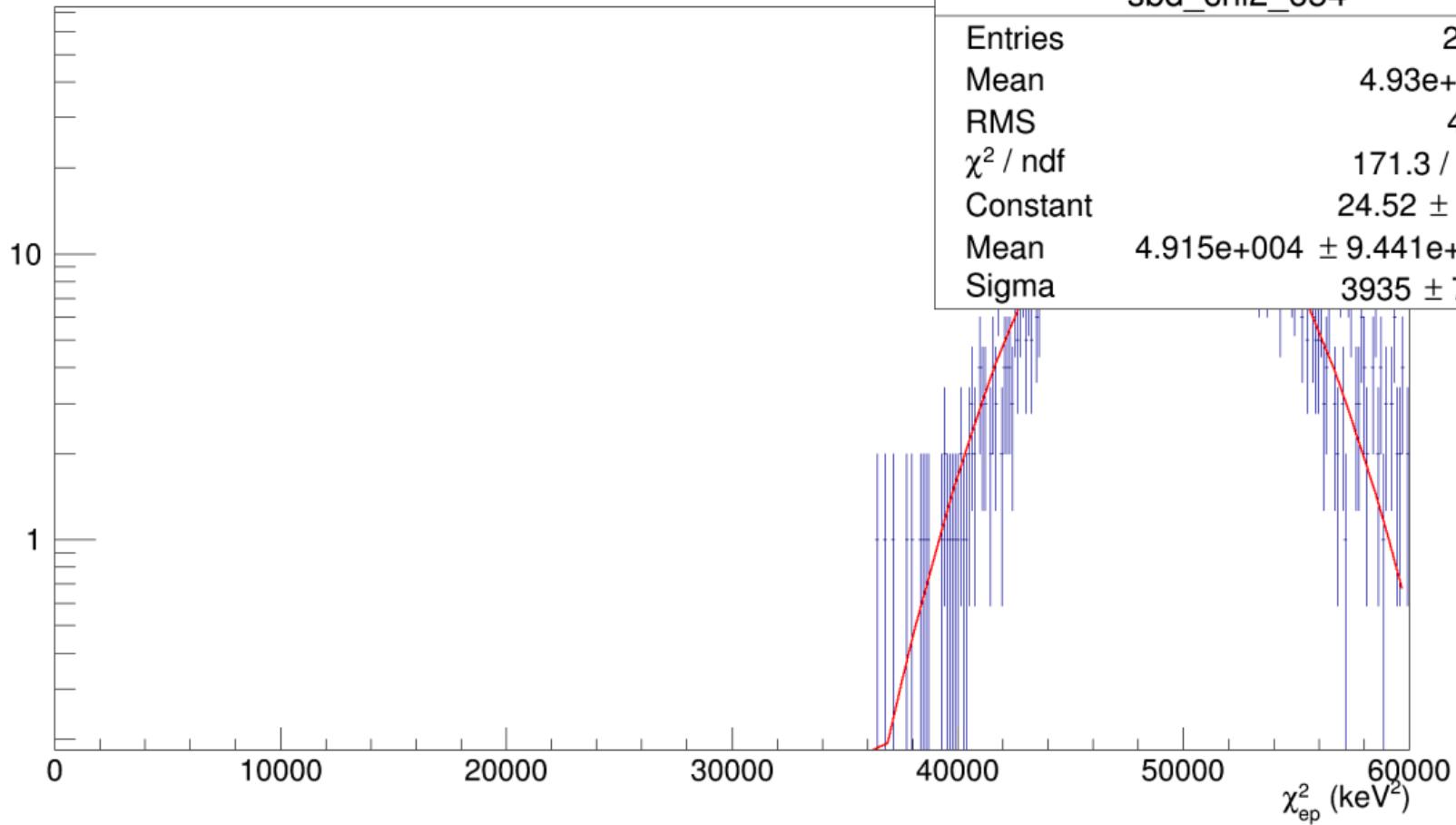
probability



sbd_chi2_653	
Entries	2199
Mean	4.904e+004
RMS	3965
χ^2 / ndf	198.6 / 168
Constant	23.49 ± 0.70
Mean	4.894e+004 ± 9.527e+001
Sigma	3929 ± 81.5

χ^2_{ep} from 654.00 keV to 655.00 keV

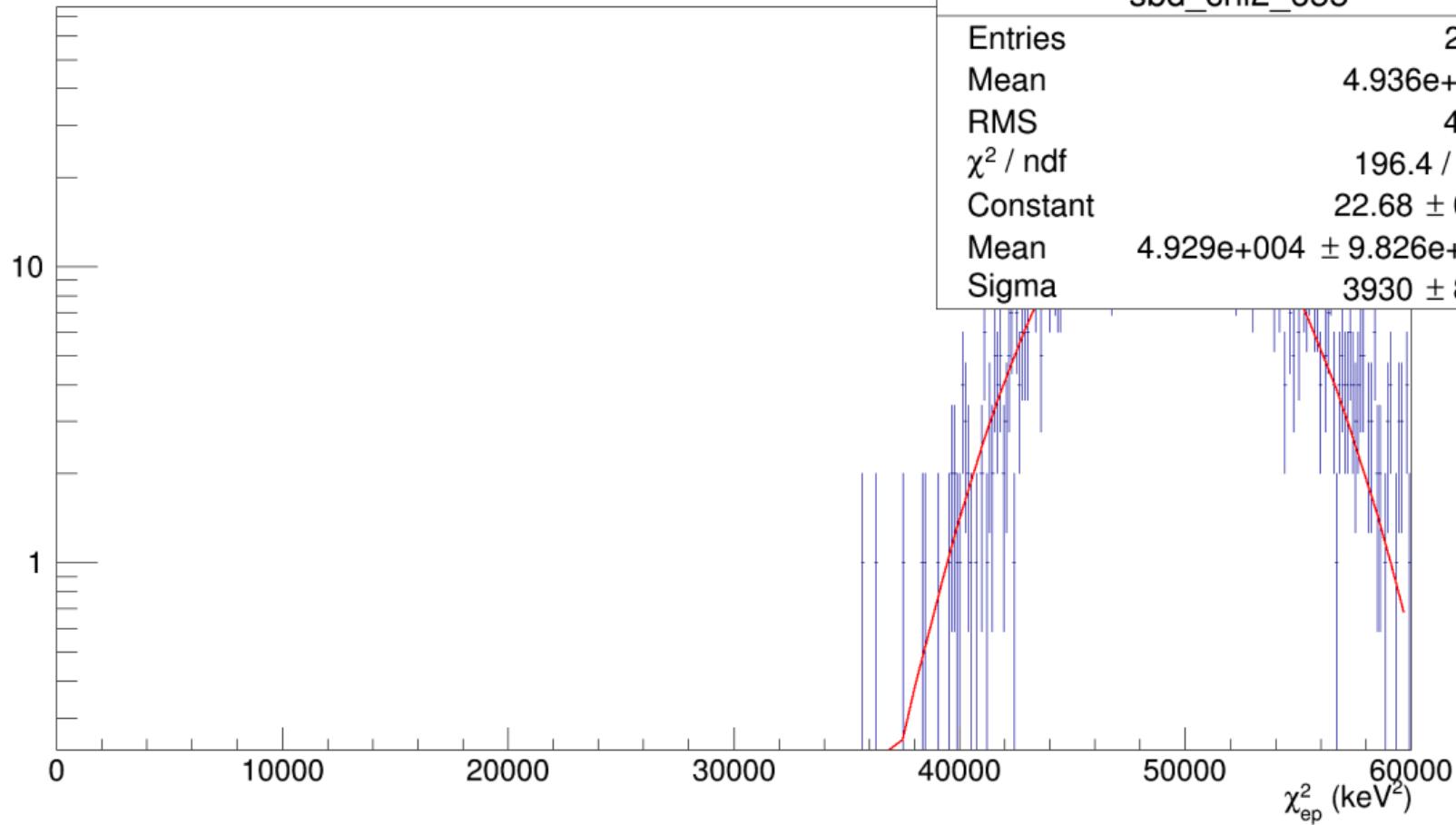
probability



sbd_chi2_654	
Entries	2228
Mean	4.93e+004
RMS	4031
χ^2 / ndf	171.3 / 173
Constant	24.52 ± 0.71
Mean	4.915e+004 ± 9.441e+001
Sigma	3935 ± 78.2

χ^2_{ep} from 655.00 keV to 656.00 keV

probability



sbd_chi2_655	
Entries	2139
Mean	4.936e+004
RMS	4006
χ^2 / ndf	196.4 / 168
Constant	22.68 ± 0.69
Mean	4.929e+004 ± 9.826e+001
Sigma	3930 ± 84.6

χ^2_{ep} from 656.00 keV to 657.00 keV

probability

10

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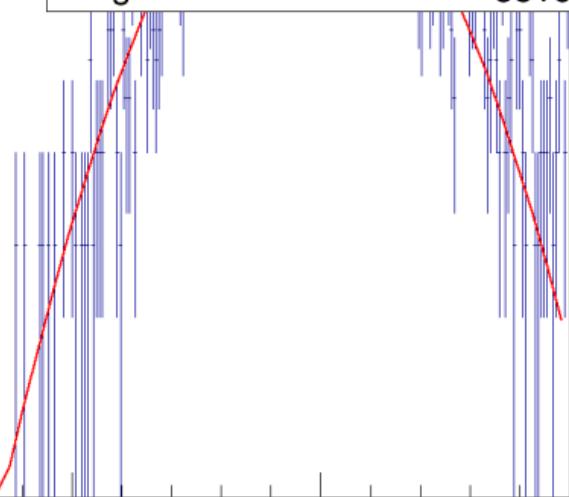
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χ^2_{ep} (keV 2)

sbd_chi2_656	
Entries	2106
Mean	4.948e+004
RMS	3962
χ^2 / ndf	178.4 / 168
Constant	23.04 ± 0.71
Mean	4.933e+004 ± 9.477e+001
Sigma	3816 ± 81.7



χ^2_{ep} from 657.00 keV to 658.00 keV

probability

10

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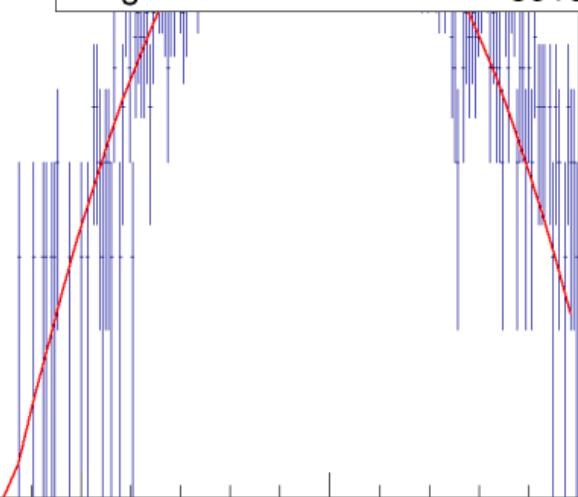
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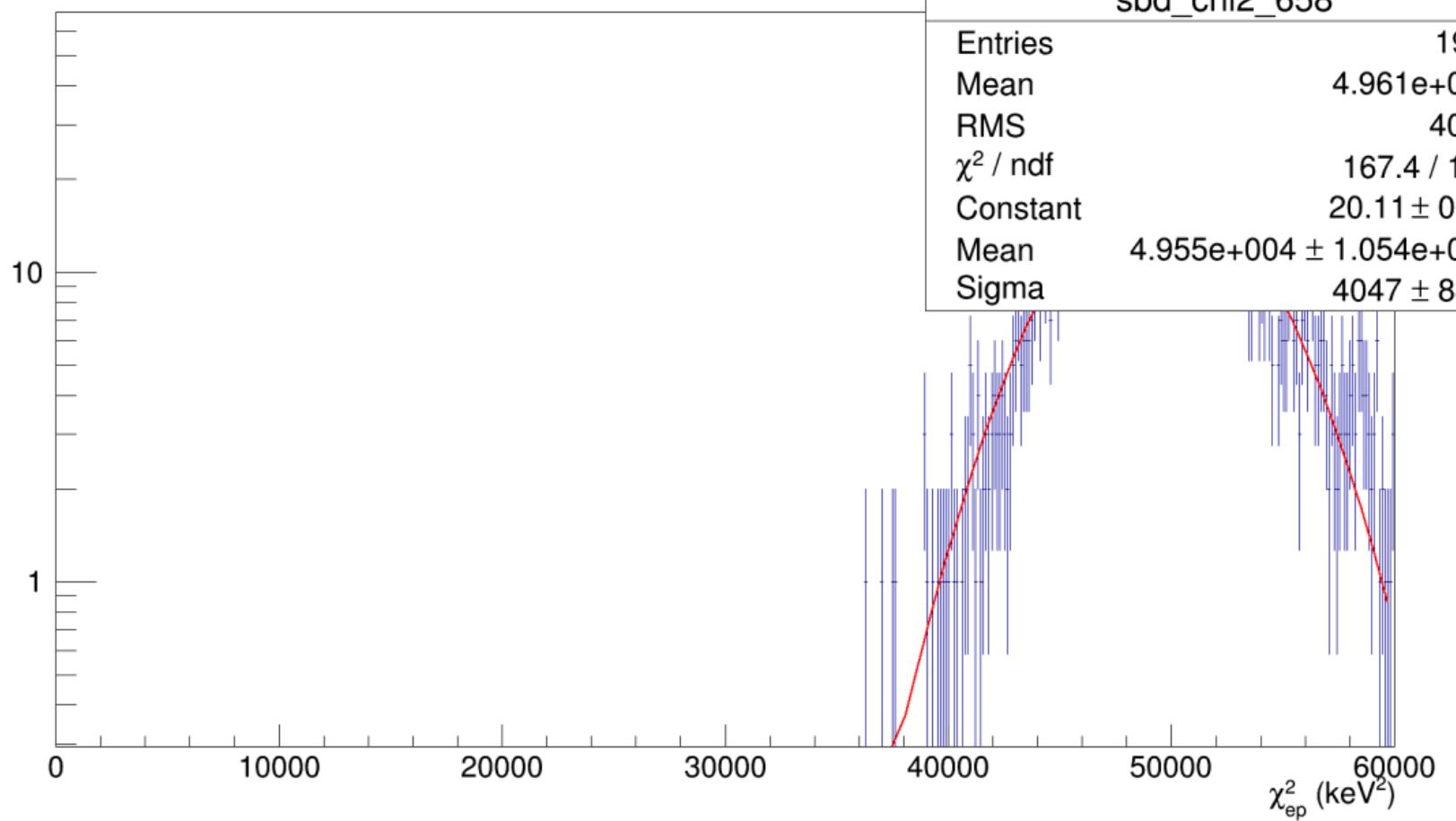
χ^2_{ep} (keV 2)

sbd_chi2_657	
Entries	1985
Mean	4.945e+004
RMS	3974
χ^2 / ndf	175.3 / 167
Constant	21.32 ± 0.68
Mean	4.937e+004 ± 1.004e+002
Sigma	3919 ± 88.3



χ^2_{ep} from 658.00 keV to 659.00 keV

probability



χ^2_{ep} from 659.00 keV to 660.00 keV

probability

10

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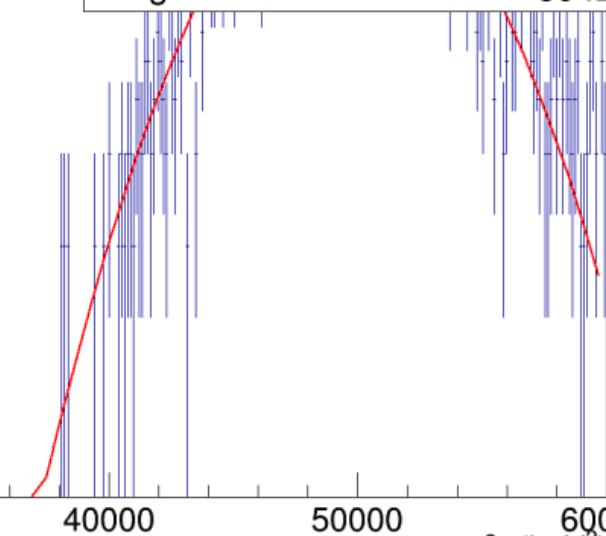
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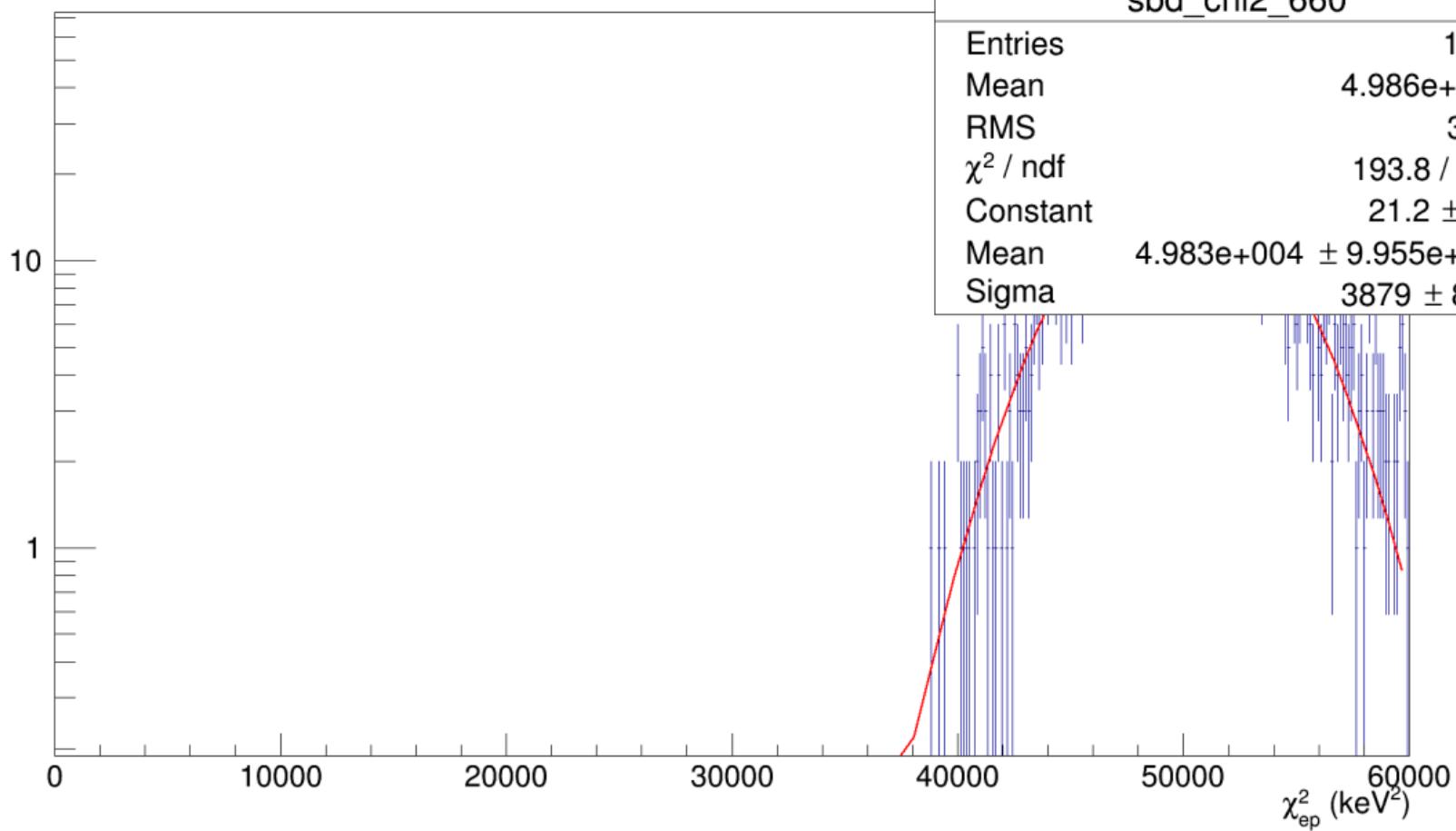
χ^2_{ep} (keV 2)

sbd_chi2_659	
Entries	1938
Mean	4.972e+004
RMS	4027
χ^2 / ndf	205 / 166
Constant	20.41 ± 0.67
Mean	4.967e+004 ± 1.020e+002
Sigma	3942 ± 92.3



χ^2_{ep} from 660.00 keV to 661.00 keV

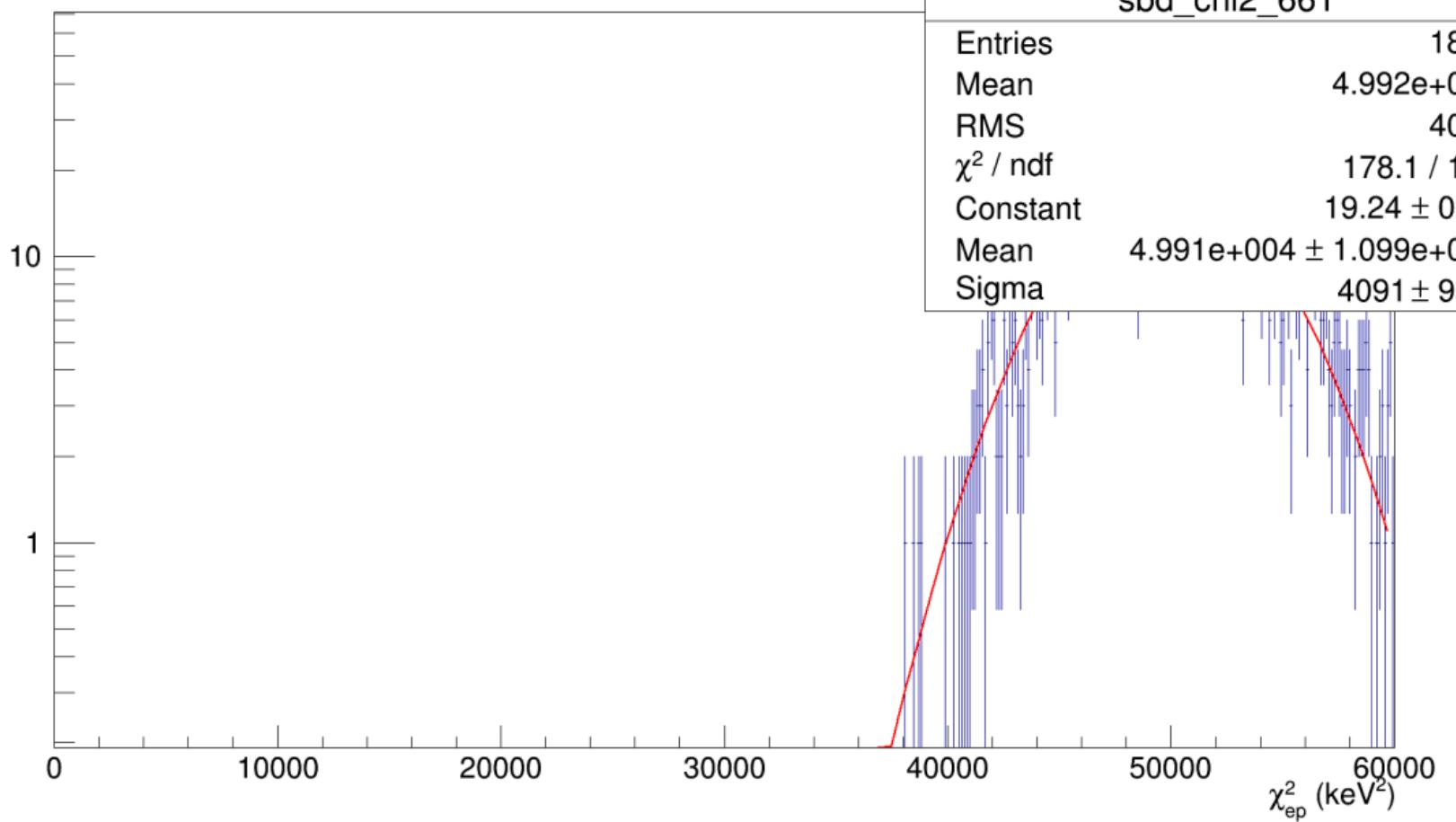
probability



sbd_chi2_660	
Entries	1973
Mean	4.986e+004
RMS	3981
χ^2 / ndf	193.8 / 165
Constant	21.2 ± 0.7
Mean	4.983e+004 ± 9.955e+001
Sigma	3879 ± 82.0

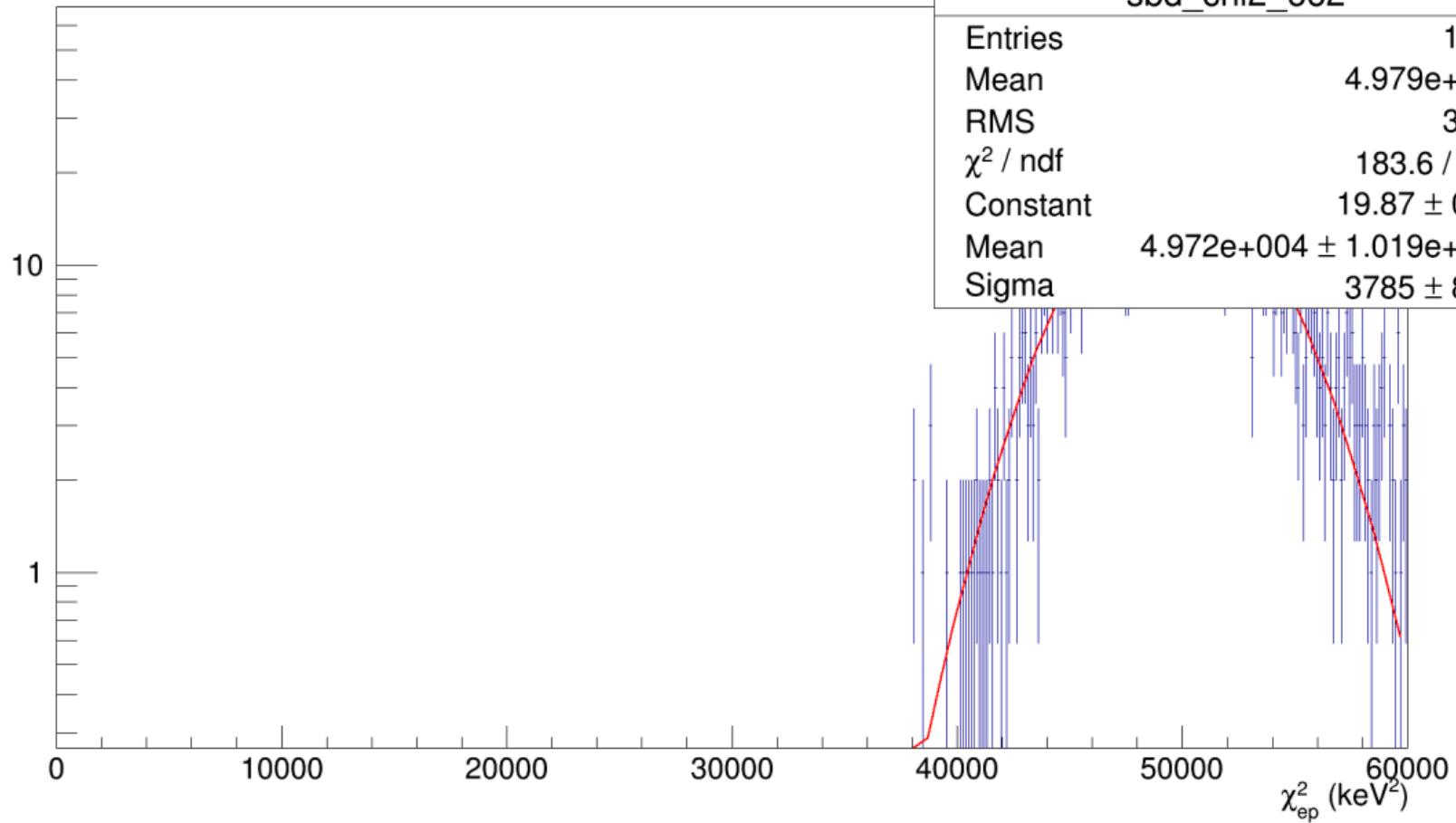
χ^2_{ep} from 661.00 keV to 662.00 keV

probability



χ^2_{ep} from 662.00 keV to 663.00 keV

probability



sbd_chi2_662	
Entries	1835
Mean	4.979e+004
RMS	3892
χ^2 / ndf	183.6 / 165
Constant	19.87 ± 0.66
Mean	4.972e+004 ± 1.019e+002
Sigma	3785 ± 86.8

χ^2_{ep} from 663.00 keV to 664.00 keV

probability

10

1

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10000

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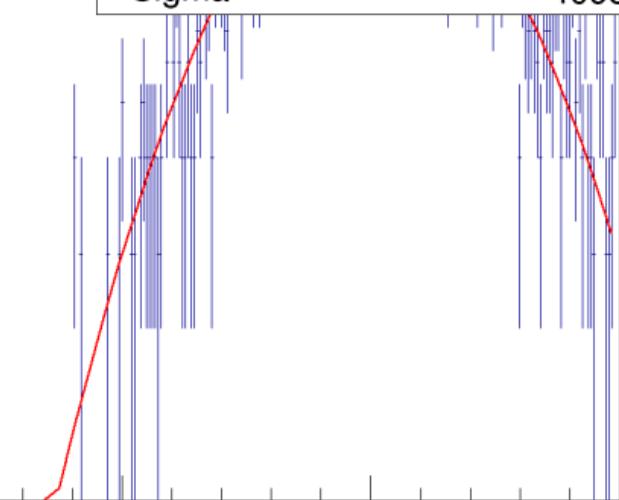
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χ^2_{ep} (keV 2)

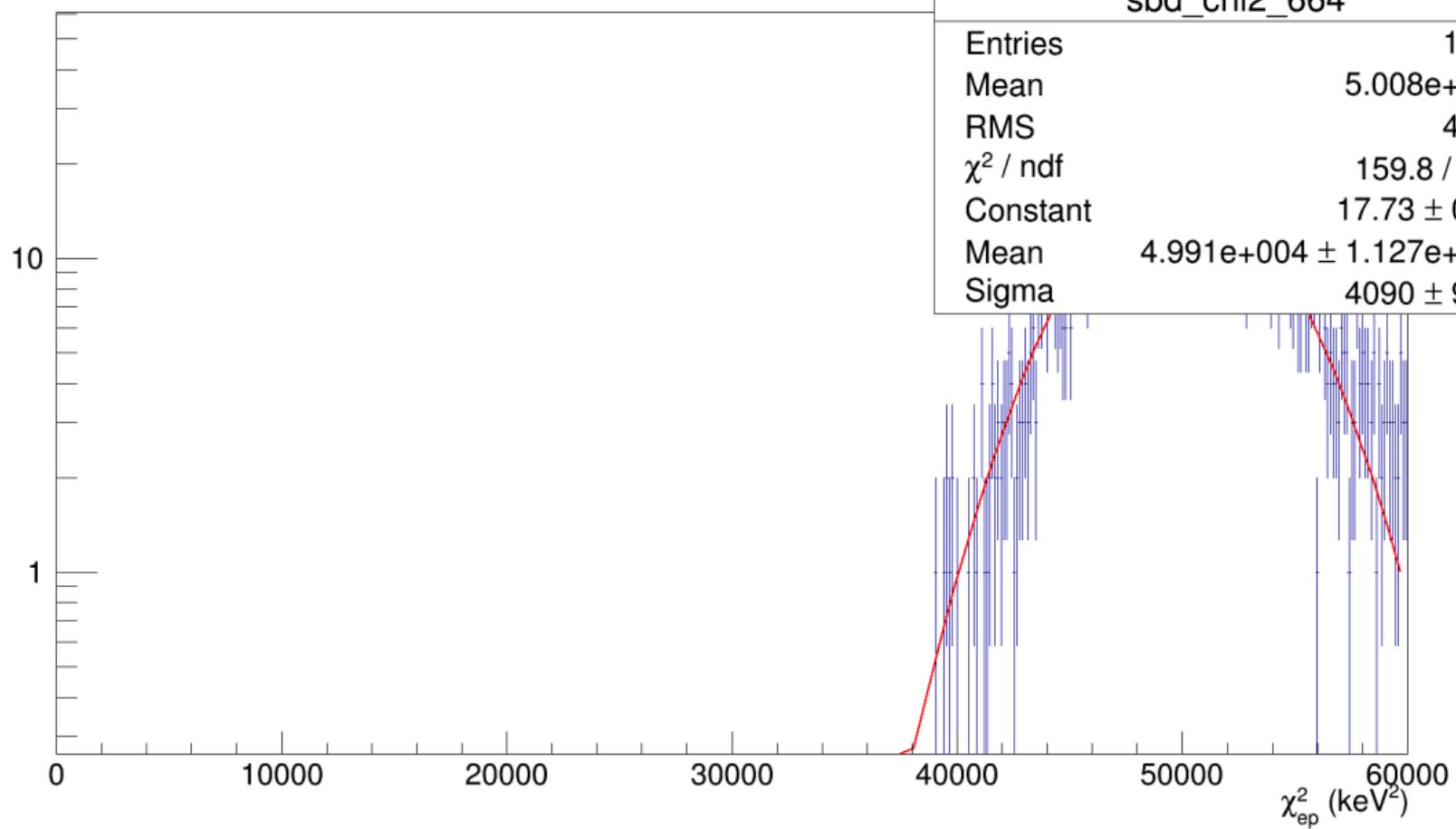
sbd_chi2_663

Entries	1860
Mean	5.007e+004
RMS	4041
χ^2 / ndf	148.6 / 162
Constant	19.18 ± 0.62
Mean	4.999e+004 ± 1.089e+002
Sigma	4095 ± 95.0



χ^2_{ep} from 664.00 keV to 665.00 keV

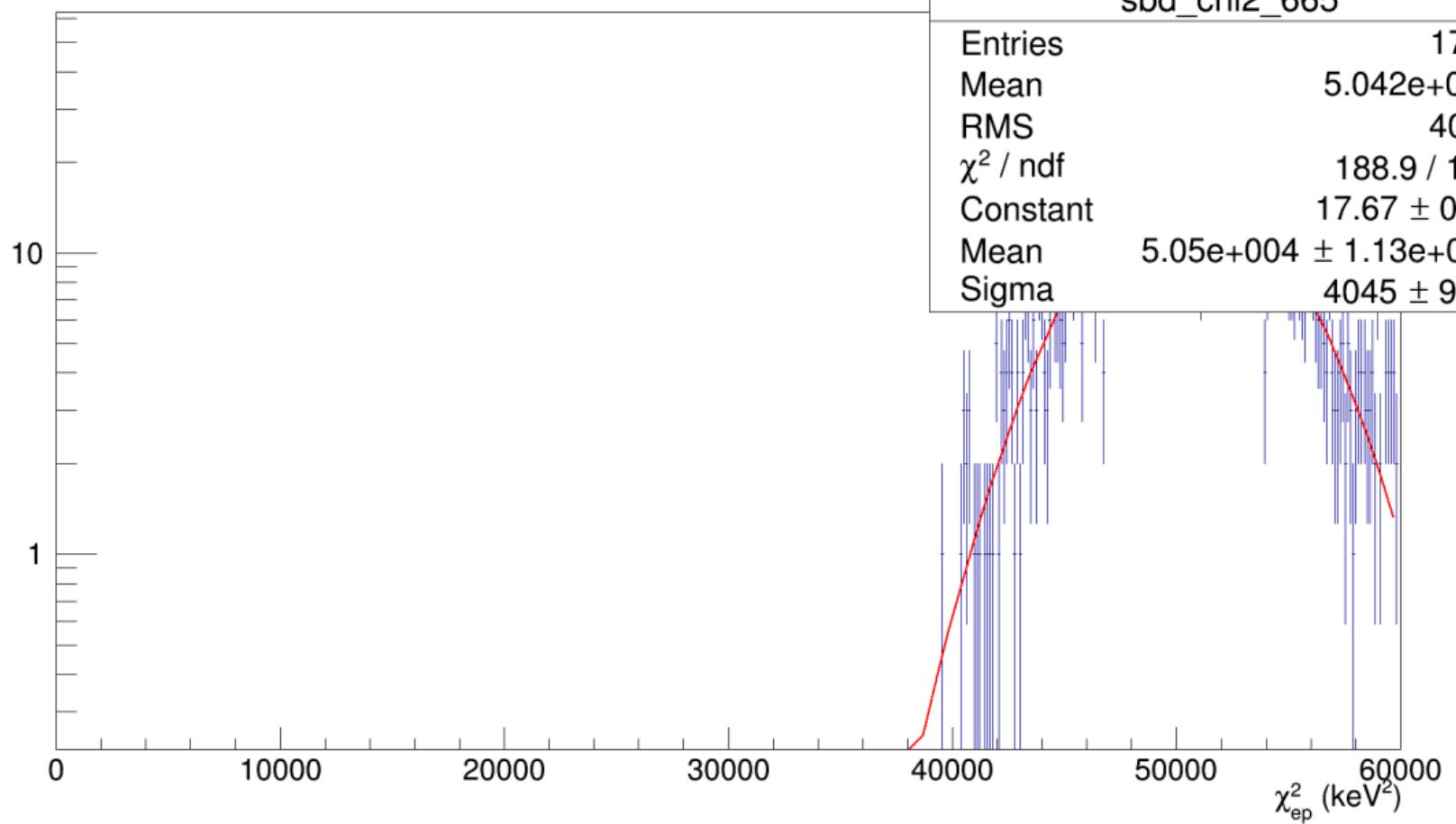
probability



sbd_chi2_664	
Entries	1733
Mean	5.008e+004
RMS	4098
χ^2 / ndf	159.8 / 164
Constant	17.73 ± 0.59
Mean	4.991e+004 ± 1.127e+002
Sigma	4090 ± 97.3

χ^2_{ep} from 665.00 keV to 666.00 keV

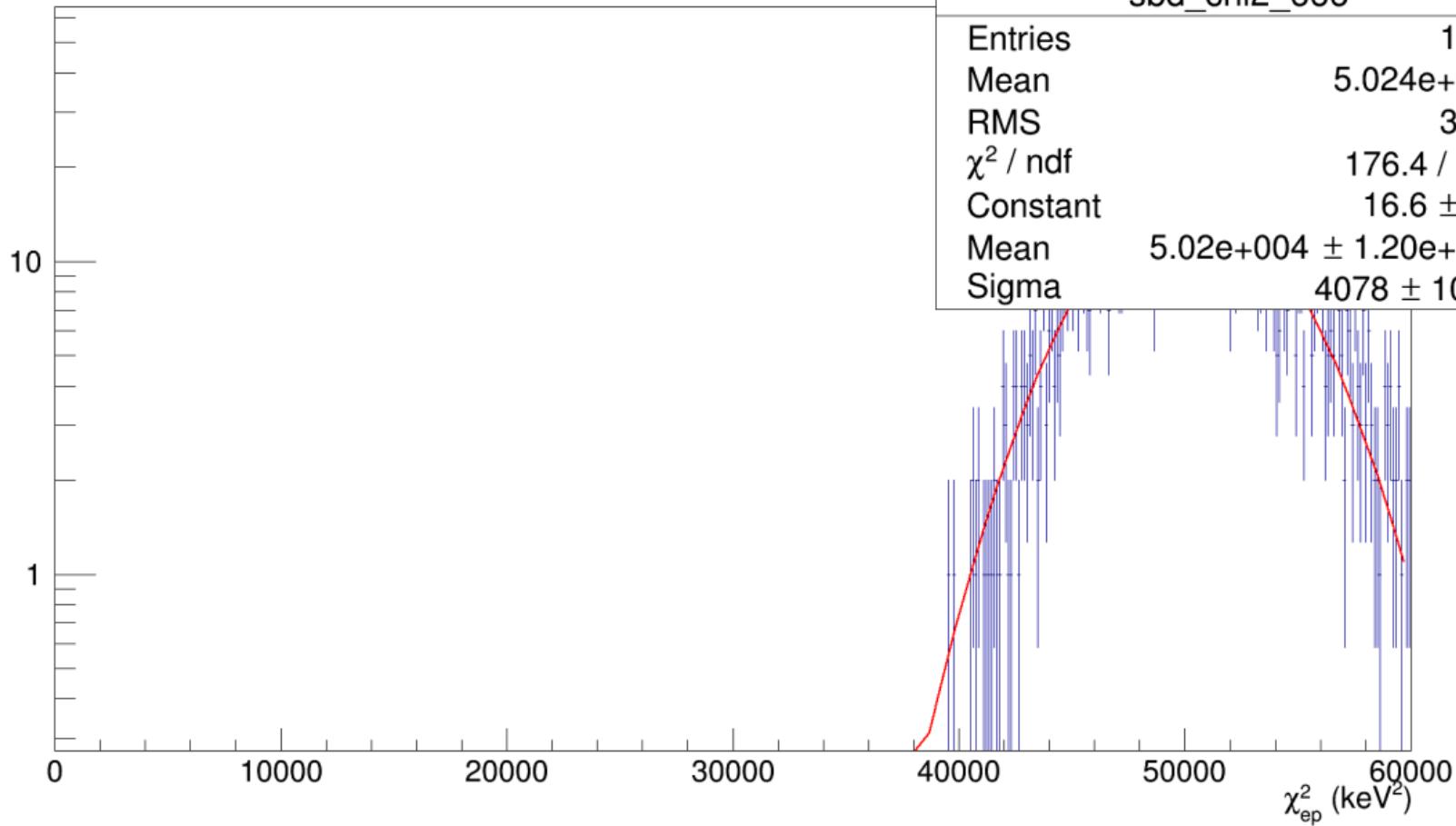
probability



sbd_chi2_665	
Entries	1745
Mean	5.042e+004
RMS	4000
χ^2 / ndf	188.9 / 158
Constant	17.67 ± 0.59
Mean	5.05e+004 ± 1.13e+002
Sigma	4045 ± 97.4

χ^2_{ep} from 666.00 keV to 667.00 keV

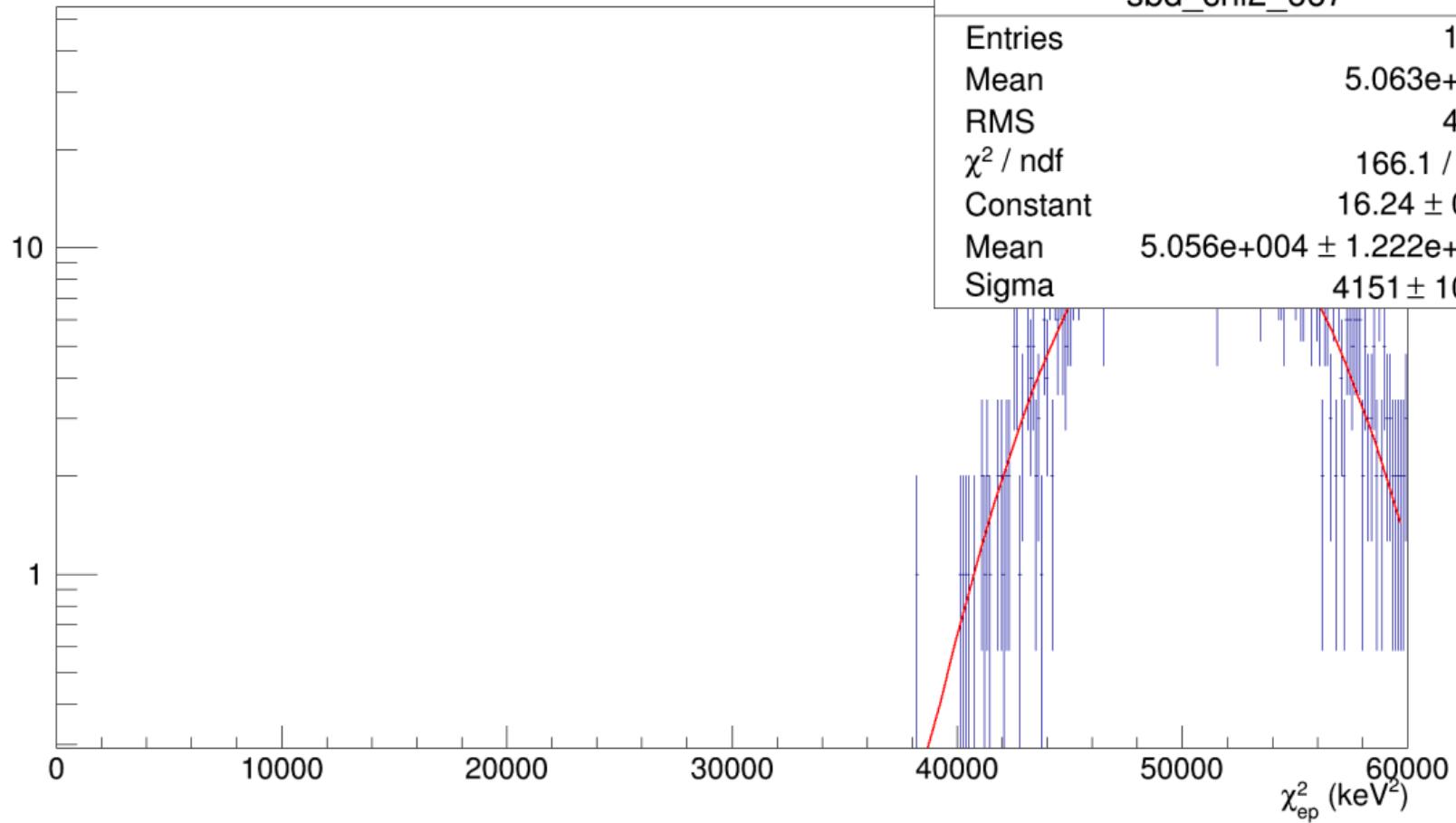
probability



sbd_chi2_666	
Entries	1657
Mean	5.024e+004
RMS	3982
χ^2 / ndf	176.4 / 159
Constant	16.6 ± 0.6
Mean	5.02e+004 ± 1.20e+002
Sigma	4078 ± 102.3

χ^2_{ep} from 667.00 keV to 668.00 keV

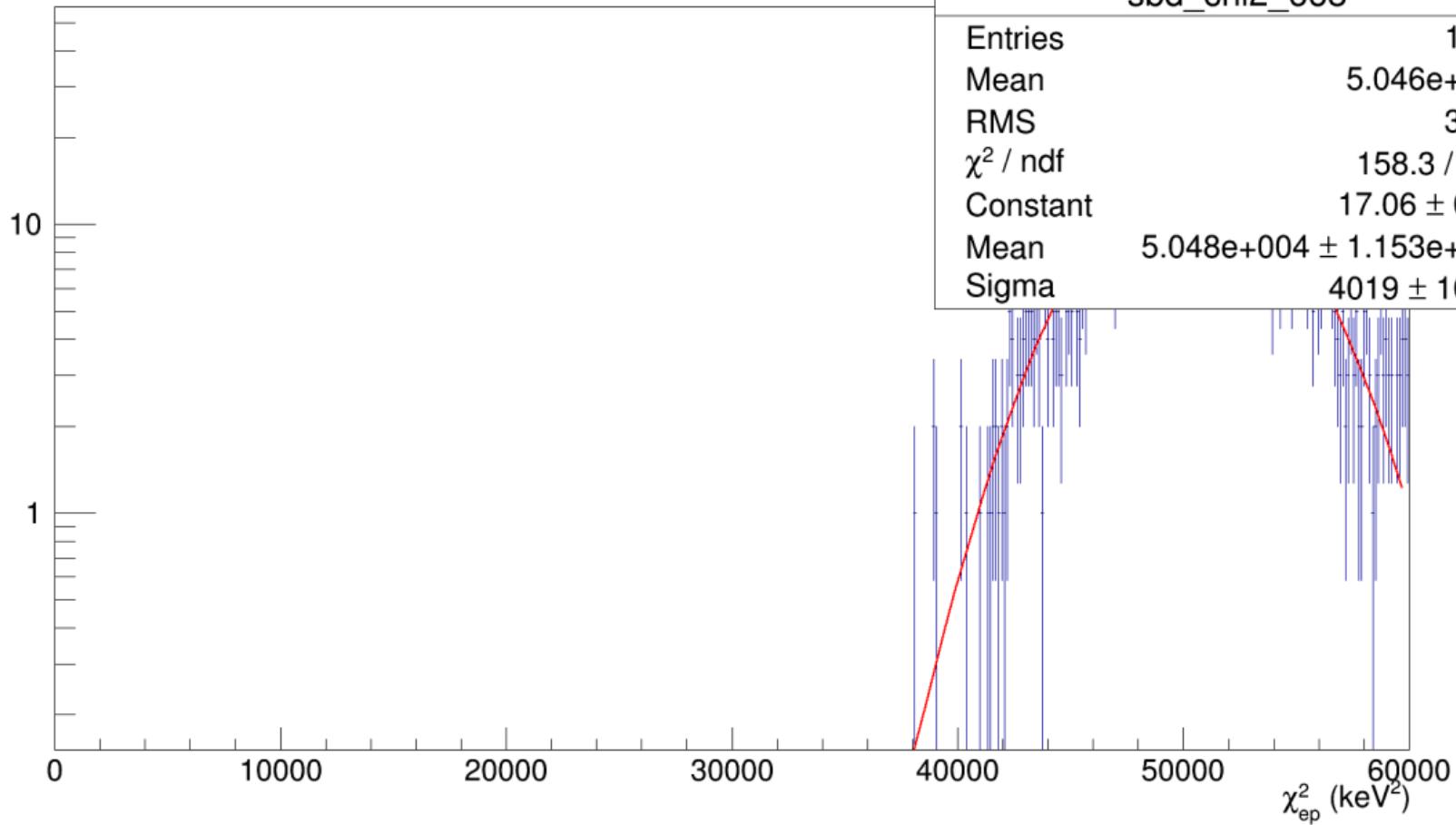
probability



sbd_chi2_667	
Entries	1643
Mean	5.063e+004
RMS	4012
χ^2 / ndf	166.1 / 157
Constant	16.24 ± 0.56
Mean	5.056e+004 ± 1.222e+002
Sigma	4151 ± 105.3

χ^2_{ep} from 668.00 keV to 669.00 keV

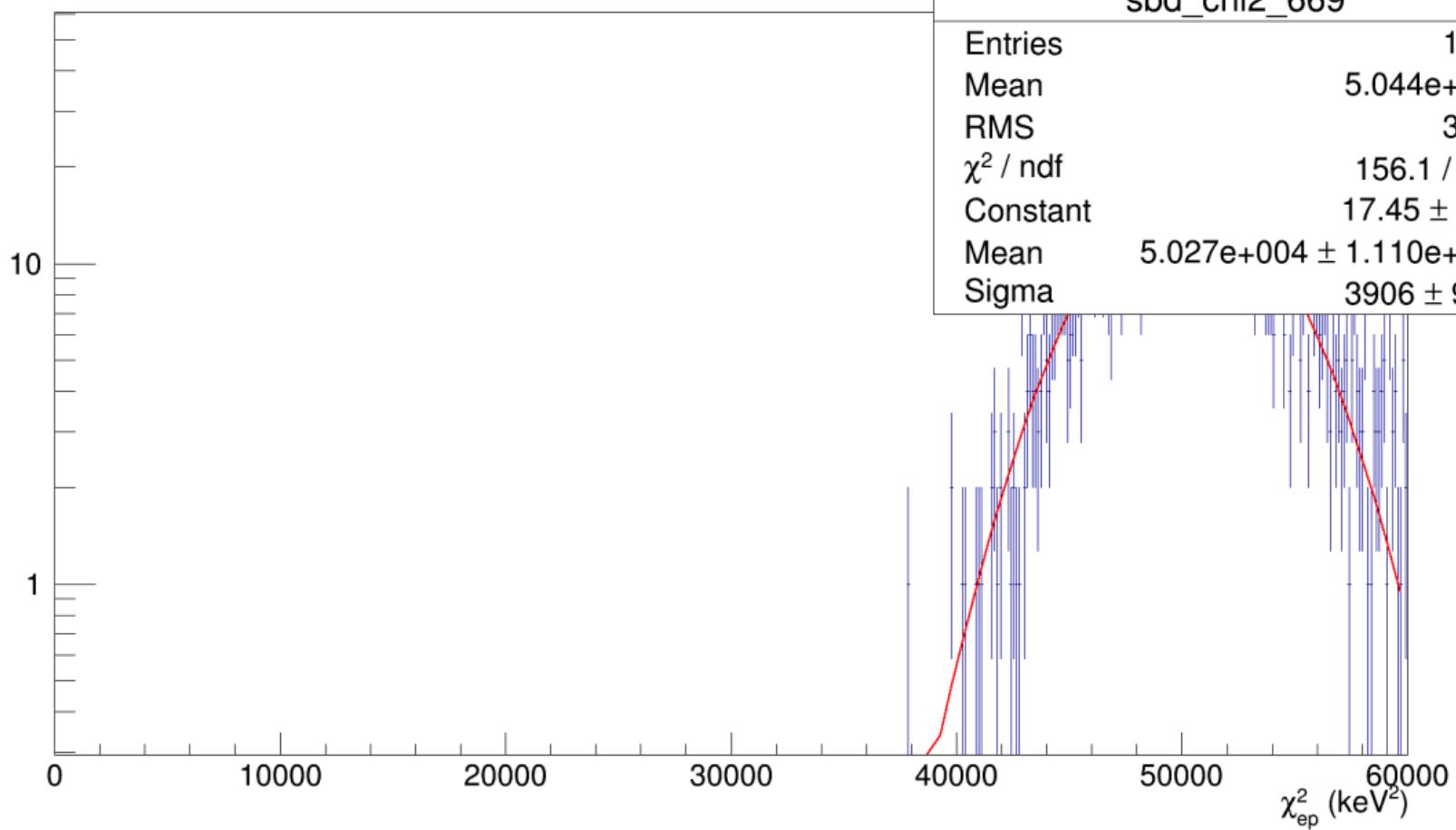
probability



sbd_chi2_668	
Entries	1656
Mean	5.046e+004
RMS	3948
χ^2 / ndf	158.3 / 157
Constant	17.06 ± 0.60
Mean	5.048e+004 ± 1.153e+002
Sigma	4019 ± 104.4

χ^2_{ep} from 669.00 keV to 670.00 keV

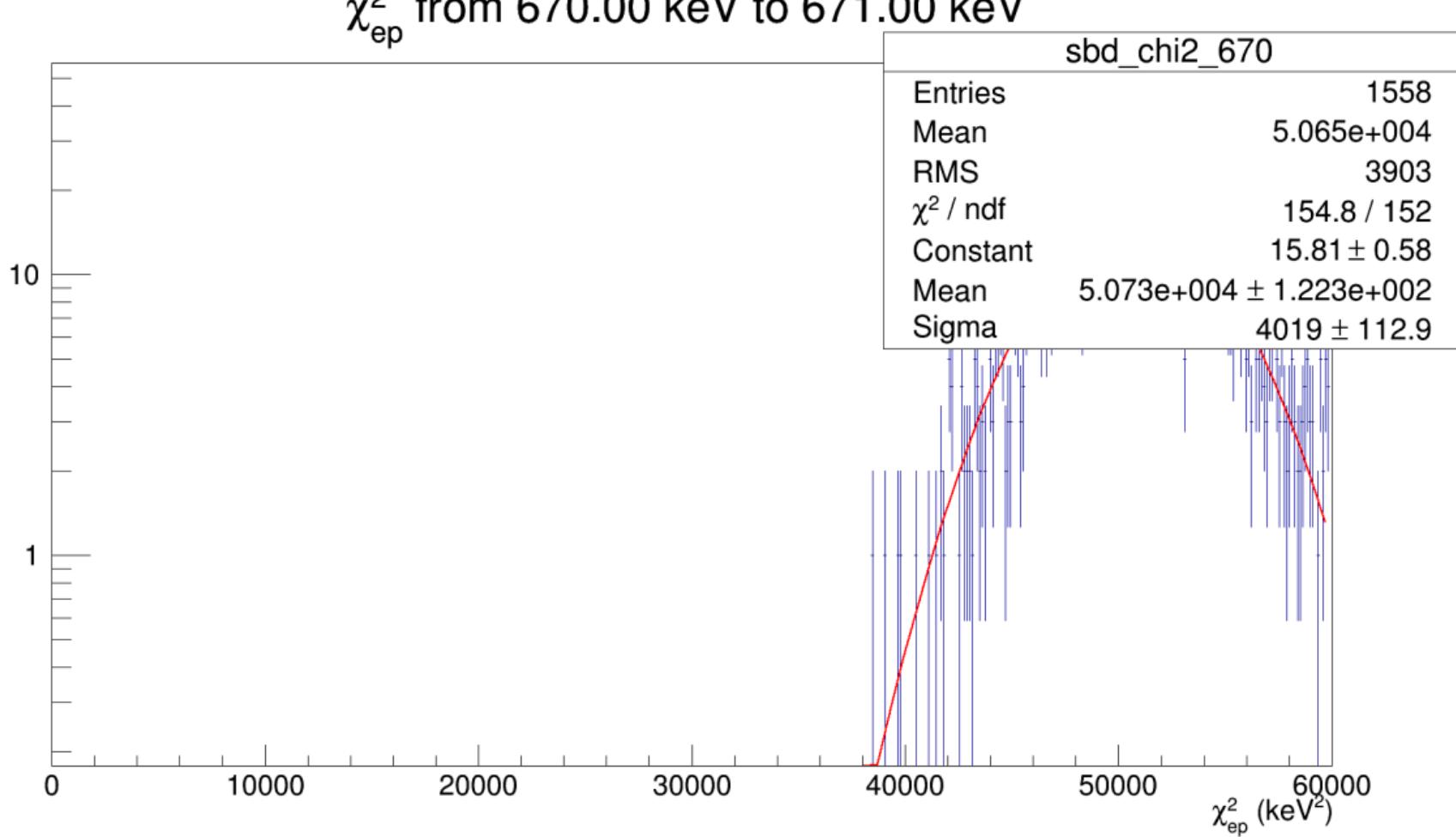
probability



sbd_chi2_669	
Entries	1637
Mean	5.044e+004
RMS	3927
χ^2 / ndf	156.1 / 156
Constant	17.45 ± 0.61
Mean	5.027e+004 ± 1.110e+002
Sigma	3906 ± 97.2

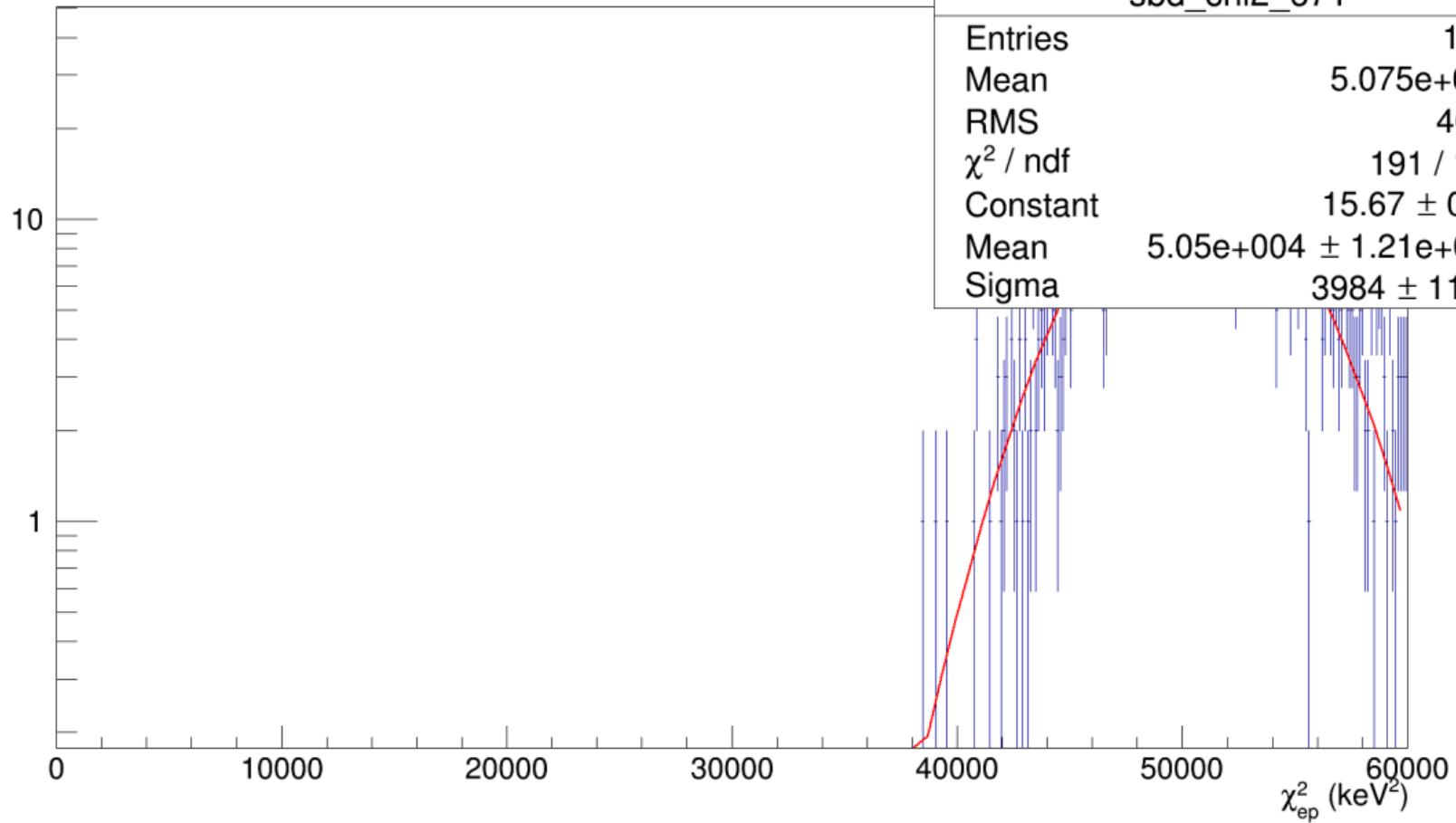
χ^2_{ep} from 670.00 keV to 671.00 keV

probability



χ^2_{ep} from 671.00 keV to 672.00 keV

probability



sbd_chi2_671	
Entries	1561
Mean	5.075e+004
RMS	4000
χ^2 / ndf	191 / 154
Constant	15.67 ± 0.59
Mean	5.05e+004 ± 1.21e+002
Sigma	3984 ± 112.9

χ^2_{ep} from 672.00 keV to 673.00 keV

probability

10

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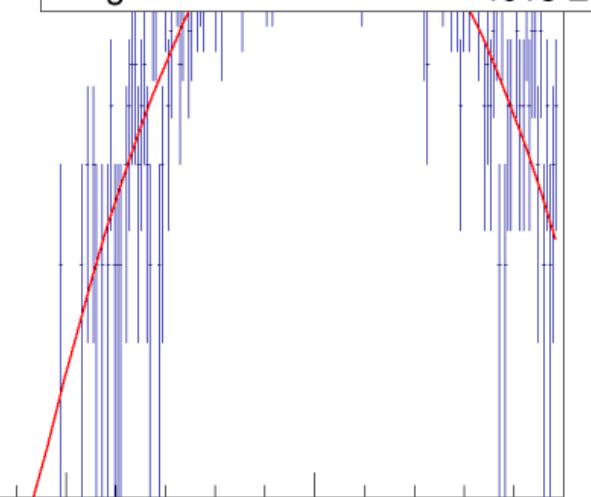
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χ^2_{ep} (keV 2)

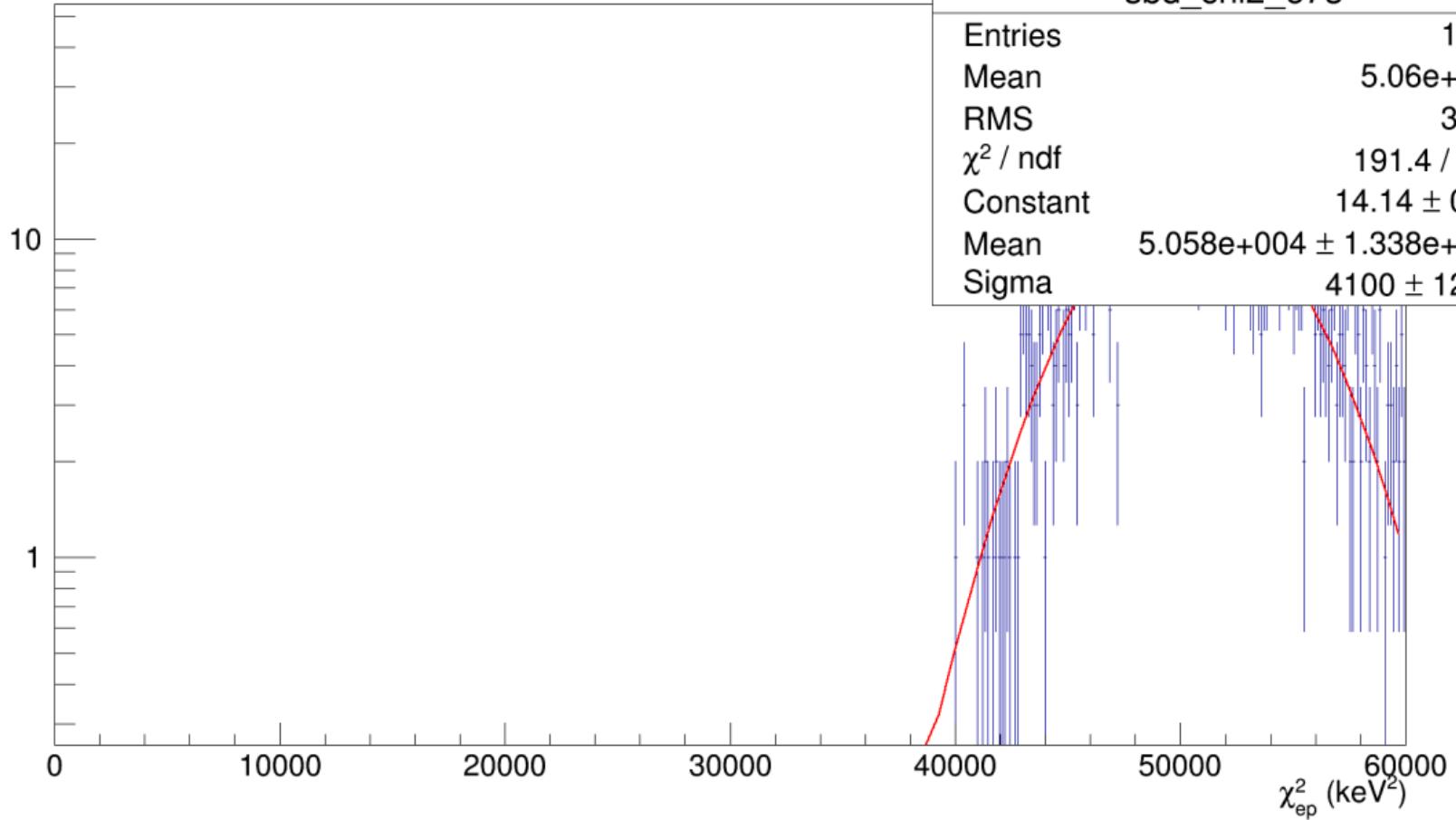
sbd_chi2_672

Entries	1545
Mean	5.069e+004
RMS	3964
χ^2 / ndf	161.1 / 153
Constant	15.46 ± 0.56
Mean	5.062e+004 ± 1.212e+002
Sigma	4013 ± 105.1



χ^2_{ep} from 673.00 keV to 674.00 keV

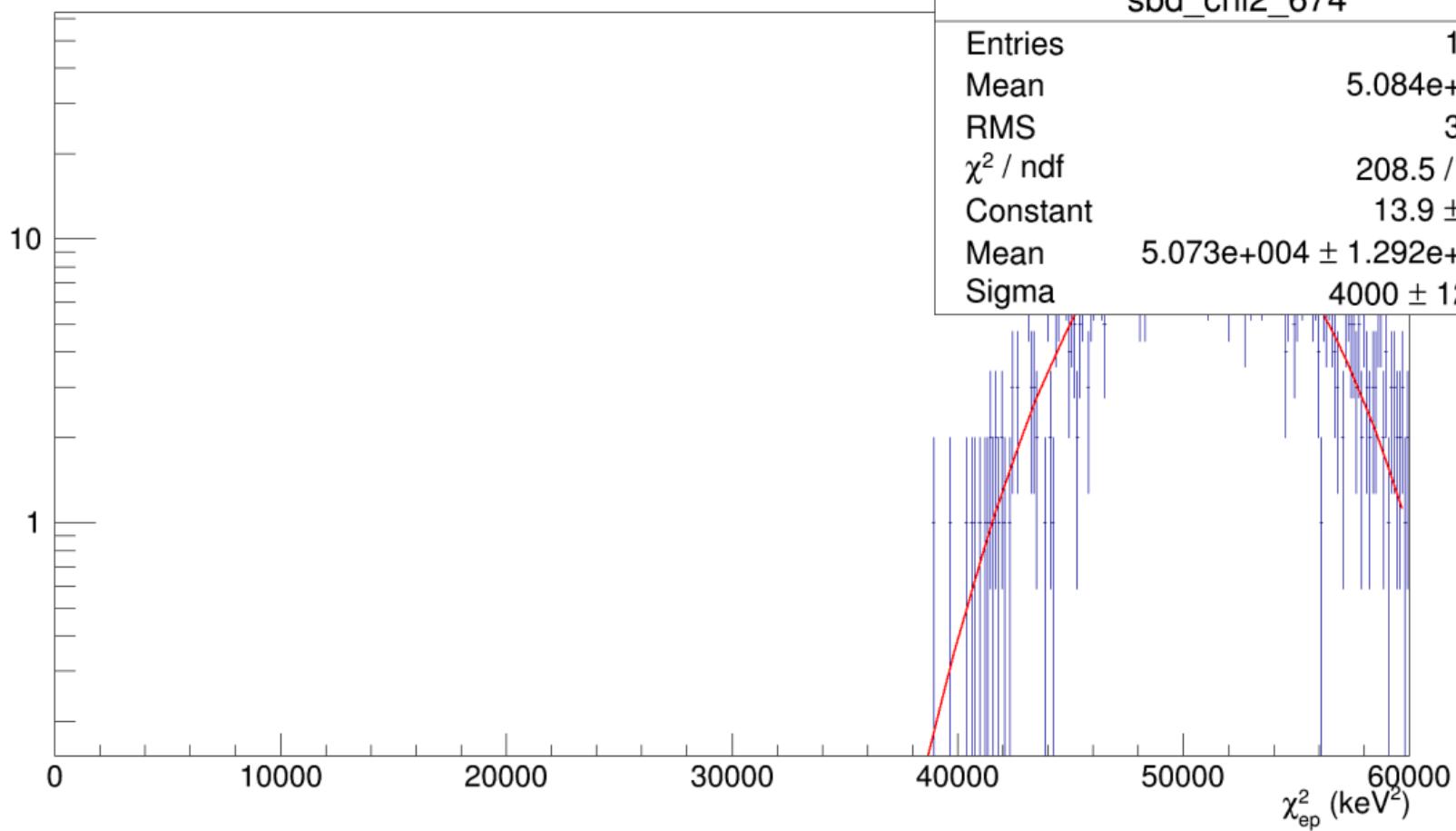
probability



sbd_chi2_673	
Entries	1470
Mean	5.06e+004
RMS	3993
χ^2 / ndf	191.4 / 153
Constant	14.14 ± 0.55
Mean	5.058e+004 ± 1.338e+002
Sigma	4100 ± 122.2

χ^2_{ep} from 674.00 keV to 675.00 keV

probability



sbd_chi2_674	
Entries	1446
Mean	5.084e+004
RMS	3897
χ^2 / ndf	208.5 / 153
Constant	13.9 ± 0.6
Mean	5.073e+004 ± 1.292e+002
Sigma	4000 ± 122.2

χ^2_{ep} from 675.00 keV to 676.00 keV

probability

10

1

0

10000

20000

30000

40000

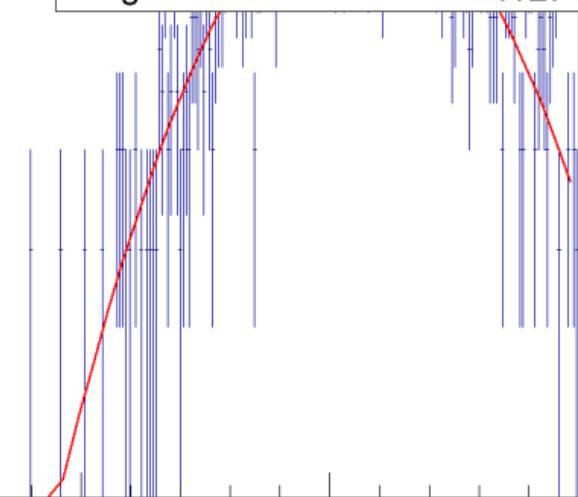
50000

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χ^2_{ep} (keV 2)

sbd_chi2_675

Entries	1380
Mean	5.103e+004
RMS	3949
χ^2 / ndf	165.3 / 149
Constant	13.16 ± 0.52
Mean	5.122e+004 ± 1.393e+002
Sigma	4127 ± 128.2



χ^2_{ep} from 676.00 keV to 677.00 keV

probability

10

1

0

10000

20000

30000

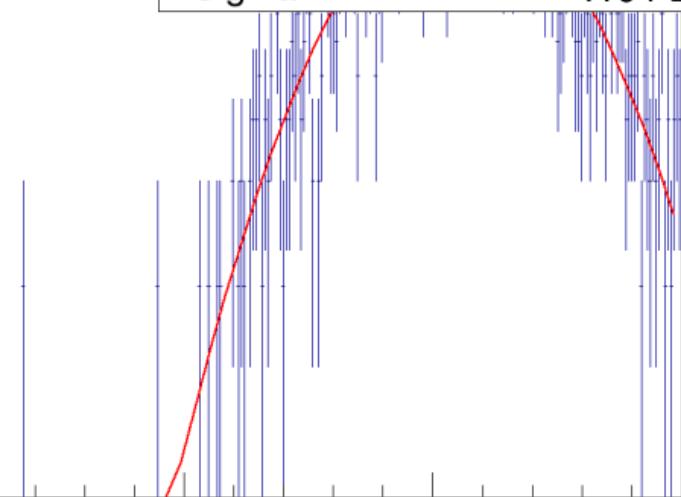
40000

50000

60000

χ^2_{ep} (keV 2)

sbd_chi2_676	
Entries	1397
Mean	5.108e+004
RMS	3950
χ^2 / ndf	147.5 / 151
Constant	13.73 ± 0.54
Mean	5.12e+004 ± 1.33e+002
Sigma	4104 ± 125.7



χ^2_{ep} from 677.00 keV to 678.00 keV

probability

10

1

0

10000

20000

30000

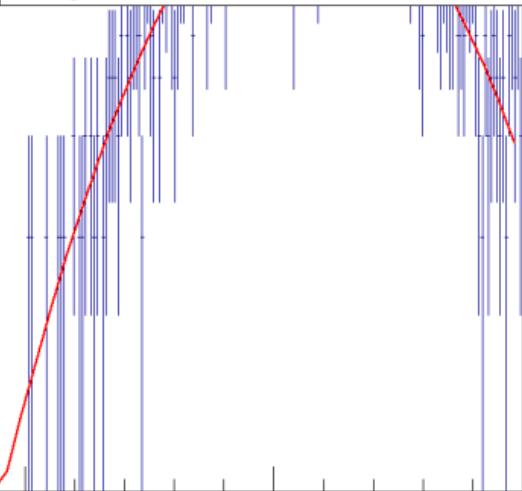
40000

50000

60000

χ^2_{ep} (keV 2)

sbd_chi2_677	
Entries	1349
Mean	5.136e+004
RMS	3906
χ^2 / ndf	132.9 / 150
Constant	12.88 ± 0.51
Mean	5.147e+004 ± 1.410e+002
Sigma	4215 ± 131.0



χ^2_{ep} from 678.00 keV to 679.00 keV

probability

10

1

0

10000

20000

30000

40000

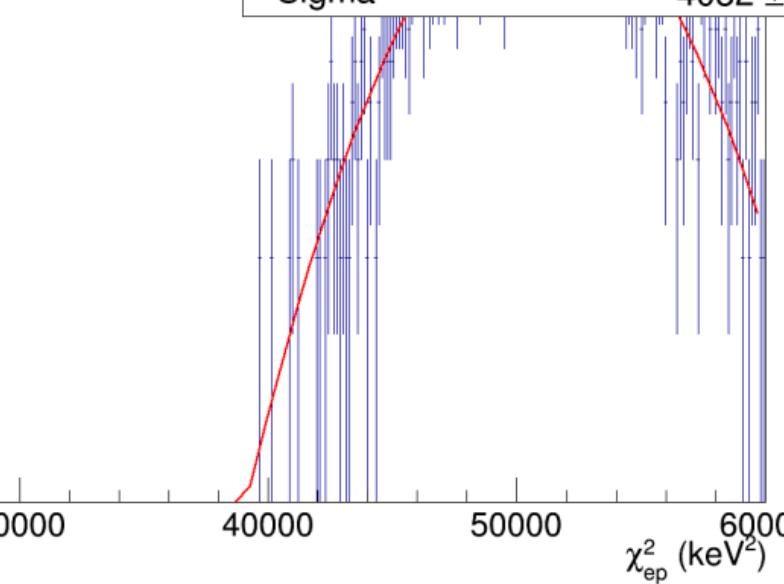
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χ^2_{ep} (keV 2)

sbd_chi2_678

Entries	1372
Mean	5.111e+004
RMS	3931
χ^2 / ndf	128 / 150
Constant	13.79 ± 0.54
Mean	5.103e+004 ± 1.320e+002
Sigma	4032 ± 118.2



χ^2_{ep} from 679.00 keV to 680.00 keV

probability

10

1

0

10000

20000

30000

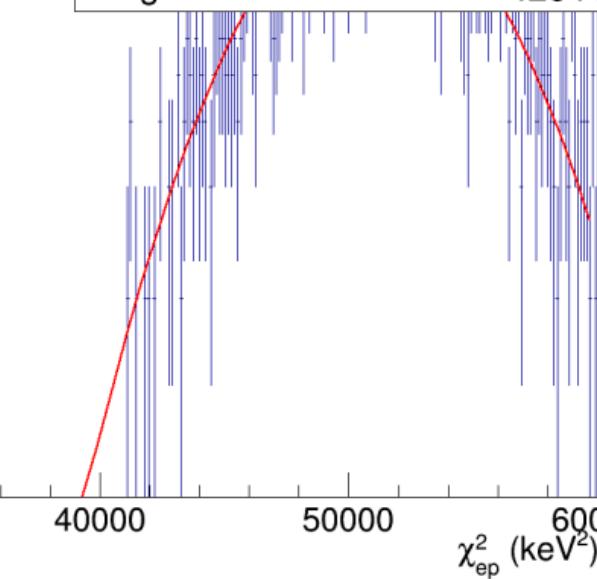
40000

50000

60000

χ^2_{ep} (keV 2)

sbd_chi2_679	
Entries	1287
Mean	5.118e+004
RMS	3922
χ^2 / ndf	122.9 / 146
Constant	12.54 ± 0.50
Mean	5.109e+004 ± 1.456e+002
Sigma	4264 ± 138.4



χ^2_{ep} from 680.00 keV to 681.00 keV

probability

10

1

0

10000

20000

30000

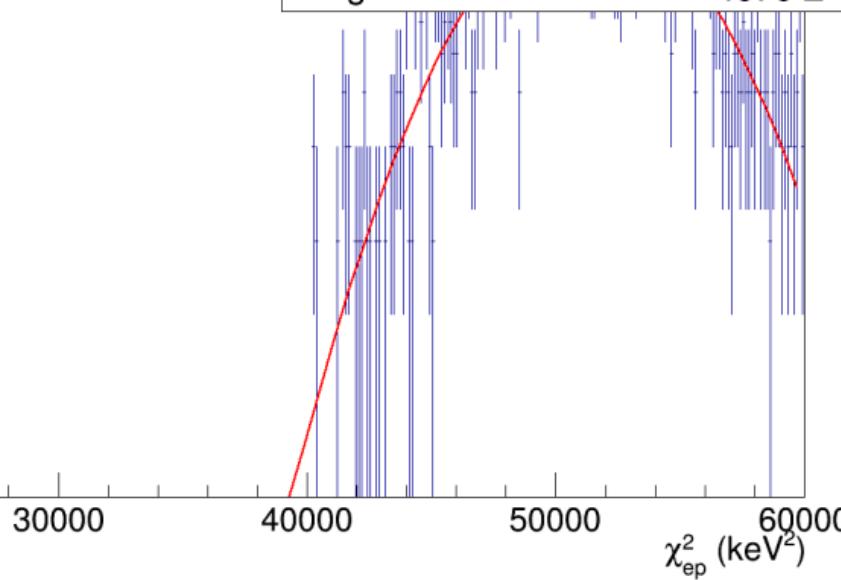
40000

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χ^2_{ep} (keV 2)

sbd_chi2_680	
Entries	1265
Mean	5.126e+004
RMS	3916
χ^2 / ndf	183.3 / 150
Constant	11.93 ± 0.51
Mean	5.141e+004 ± 1.422e+002
Sigma	4070 ± 135.7



χ^2_{ep} from 681.00 keV to 682.00 keV

probability

10

1

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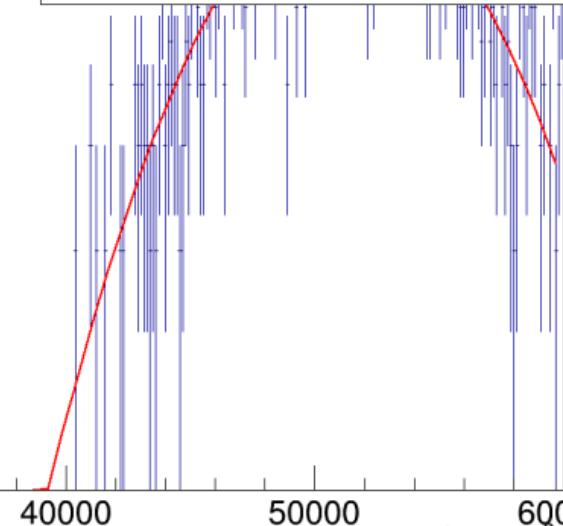
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χ^2_{ep} (keV 2)

sbd_chi2_681	
Entries	1238
Mean	5.13e+004
RMS	3965
χ^2 / ndf	157 / 146
Constant	11.55 ± 0.48
Mean	5.144e+004 ± 1.534e+002
Sigma	4276 ± 147.1



χ^2_{ep} from 682.00 keV to 683.00 keV

probability

10

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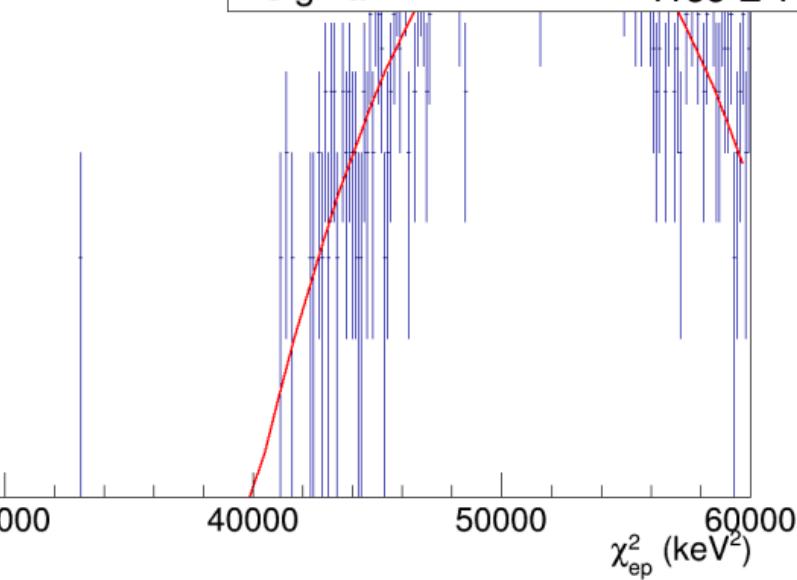
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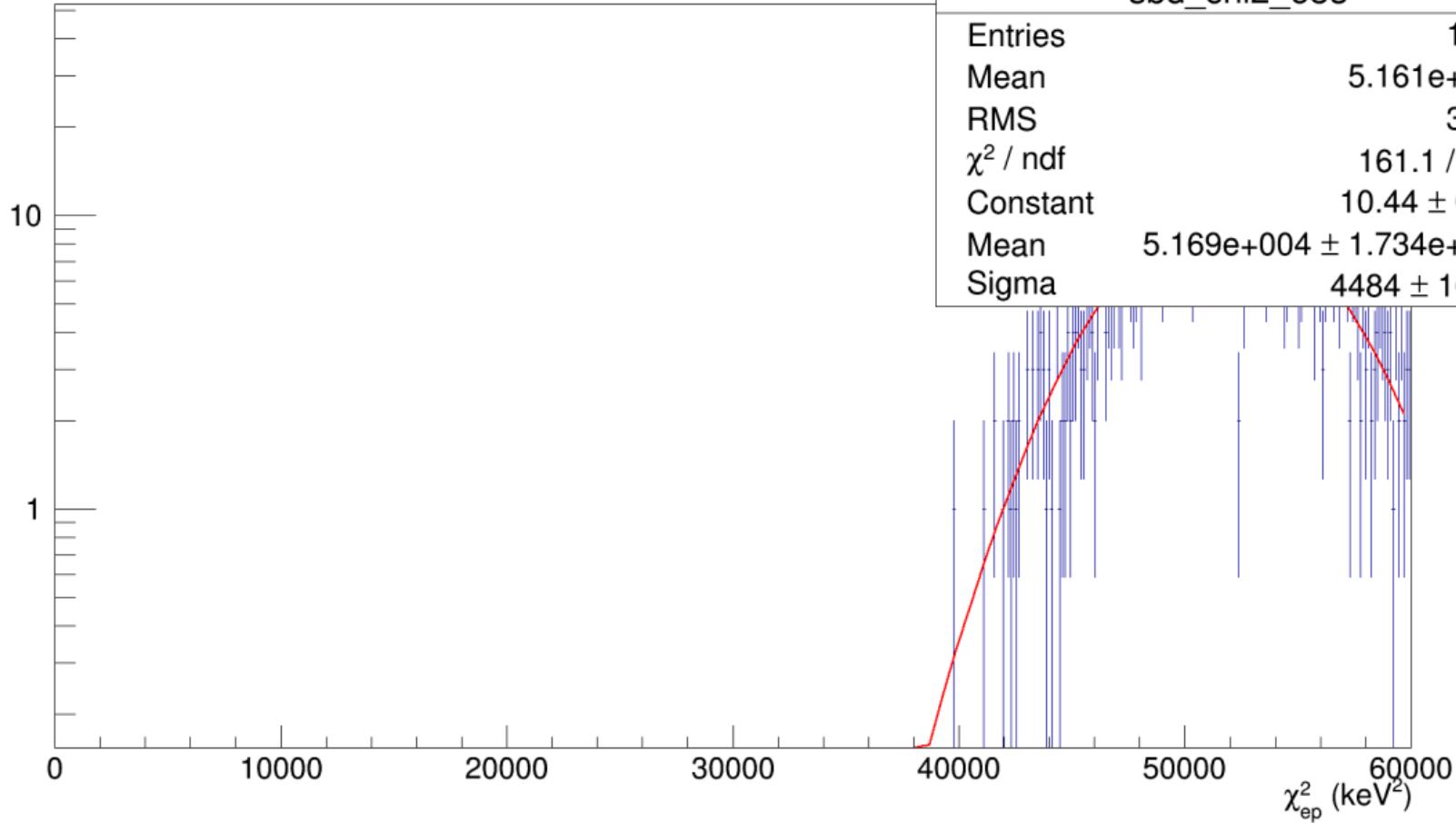
χ^2_{ep} (keV 2)

sbd_chi2_682	
Entries	1228
Mean	5.156e+004
RMS	3957
χ^2 / ndf	155.3 / 146
Constant	11.57 ± 0.50
Mean	5.18e+004 ± 1.52e+002
Sigma	4135 ± 149.4



χ^2_{ep} from 683.00 keV to 684.00 keV

probability



sbd_chi2_683	
Entries	1183
Mean	5.161e+004
RMS	3953
χ^2 / ndf	161.1 / 145
Constant	10.44 ± 0.45
Mean	5.169e+004 ± 1.734e+002
Sigma	4484 ± 168.4

χ^2_{ep} from 684.00 keV to 685.00 keV

probability

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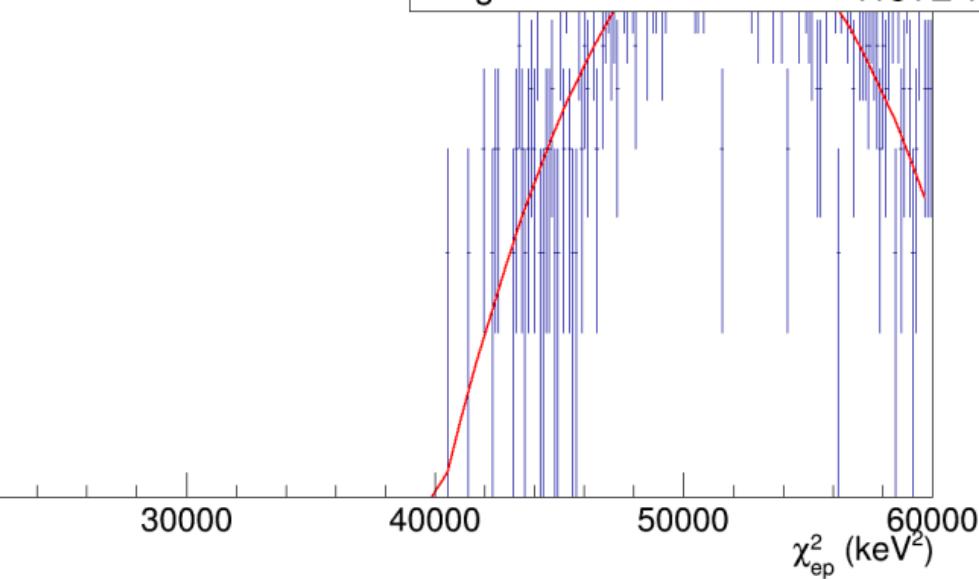
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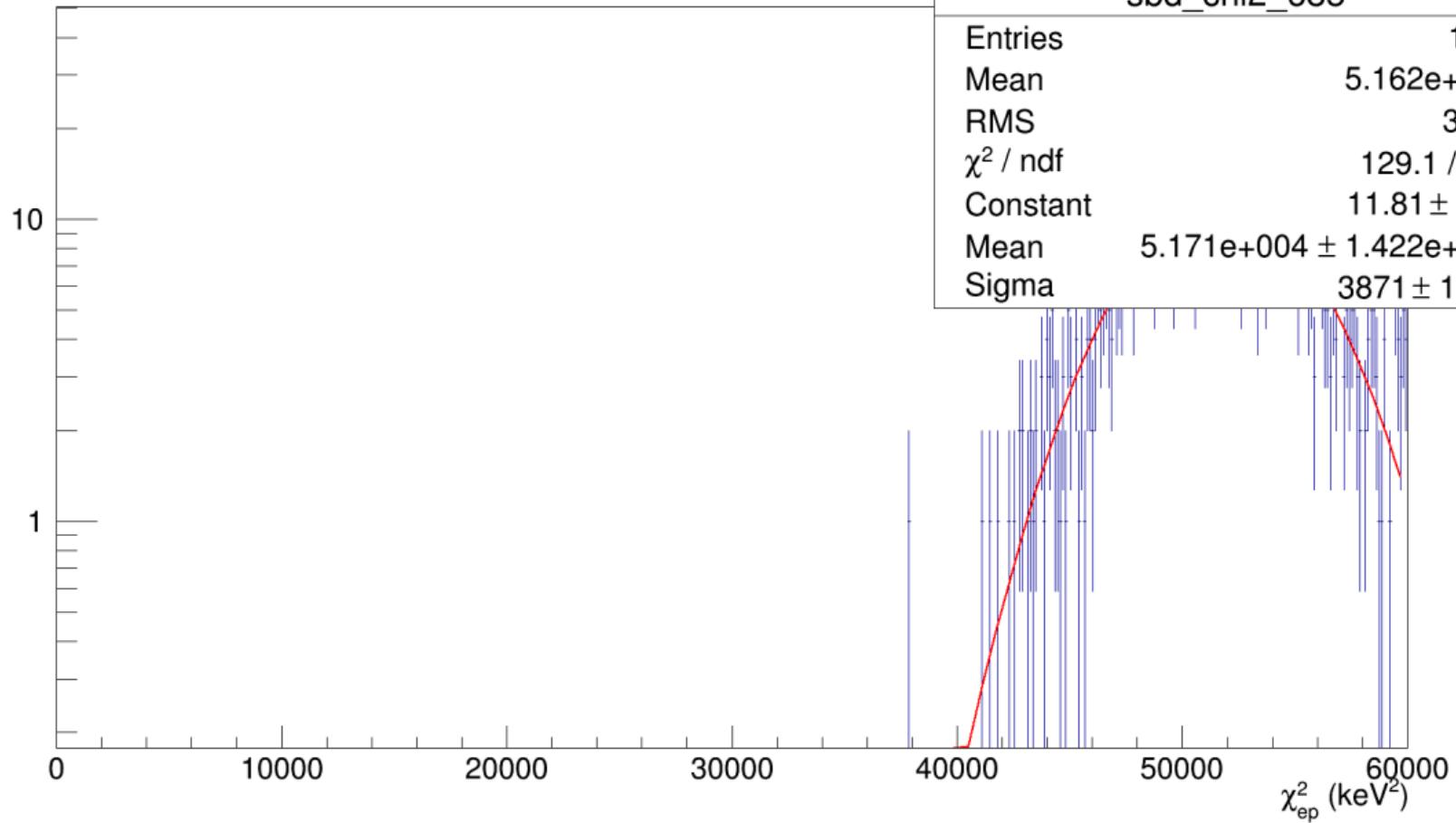
χ^2_{ep} (keV 2)

sbd_chi2_684	
Entries	1071
Mean	5.173e+004
RMS	3866
χ^2 / ndf	210.5 / 143
Constant	9.059 ± 0.455
Mean	5.175e+004 ± 1.755e+002
Sigma	4151 ± 180.0



χ^2_{ep} from 685.00 keV to 686.00 keV

probability



sbd_chi2_685	
Entries	1151
Mean	5.162e+004
RMS	3778
χ^2 / ndf	129.1 / 141
Constant	11.81 ± 0.51
Mean	5.171e+004 ± 1.422e+002
Sigma	3871 ± 132.1

χ^2_{ep} from 686.00 keV to 687.00 keV

probability

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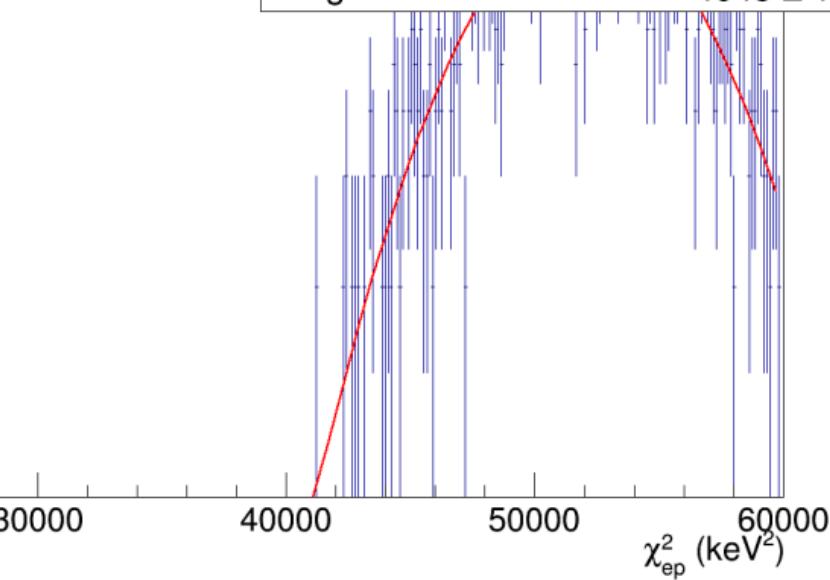
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χ^2_{ep} (keV 2)

sbd_chi2_686	
Entries	1078
Mean	5.189e+004
RMS	3737
χ^2 / ndf	139.5 / 138
Constant	10.43 ± 0.47
Mean	5.214e+004 ± 1.580e+002
Sigma	4045 ± 152.3



χ^2_{ep} from 687.00 keV to 688.00 keV

probability

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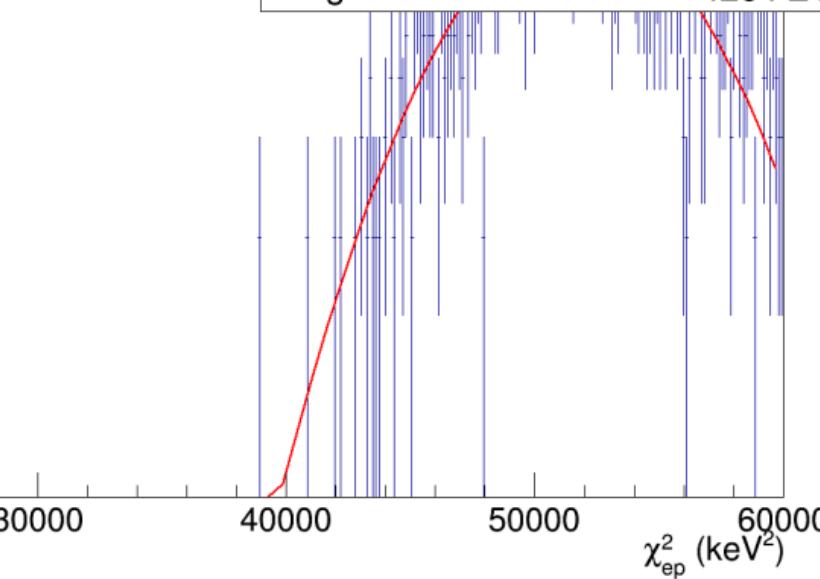
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χ^2_{ep} (keV 2)

sbd_chi2_687	
Entries	1042
Mean	5.189e+004
RMS	3898
χ^2 / ndf	180.5 / 139
Constant	9.003 ± 0.465
Mean	5.179e+004 ± 1.823e+002
Sigma	4264 ± 206.1



χ^2_{ep} from 688.00 keV to 689.00 keV

probability

10

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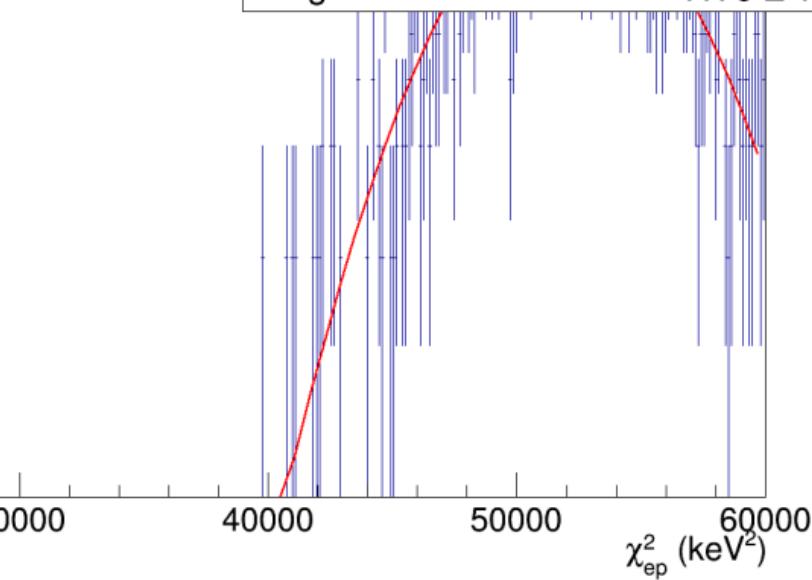
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χ^2_{ep} (keV 2)

sbd_chi2_688	
Entries	1043
Mean	5.199e+004
RMS	3844
χ^2 / ndf	103.8 / 138
Constant	9.724 ± 0.464
Mean	5.215e+004 ± 1.711e+002
Sigma	4179 ± 177.8



χ^2_{ep} from 689.00 keV to 690.00 keV

probability

10

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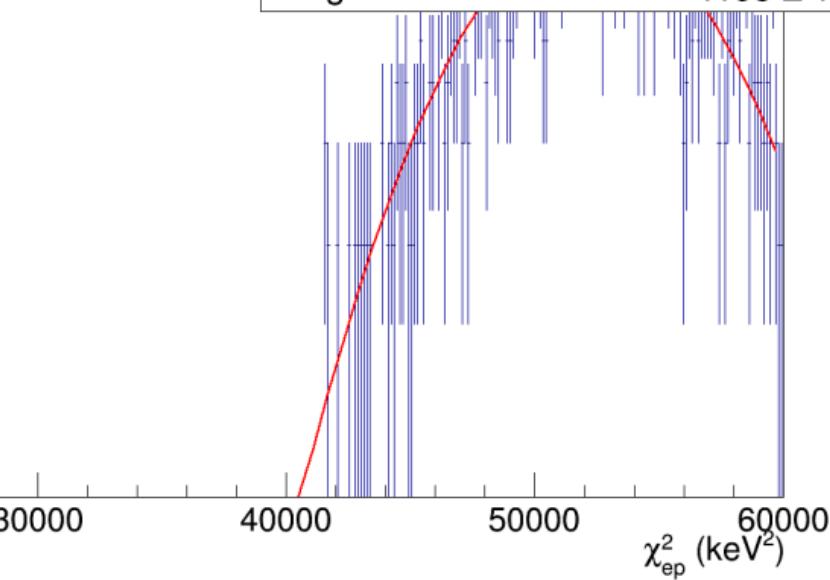
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χ^2_{ep} (keV 2)

sbd_chi2_689	
Entries	967
Mean	5.22e+004
RMS	3789
χ^2 / ndf	124.5 / 140
Constant	8.906 ± 0.442
Mean	5.232e+004 ± 1.774e+002
Sigma	4195 ± 182.2



χ^2_{ep} from 690.00 keV to 691.00 keV

probability

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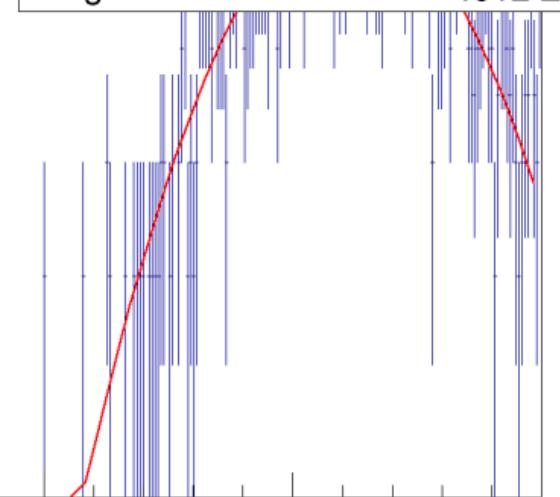
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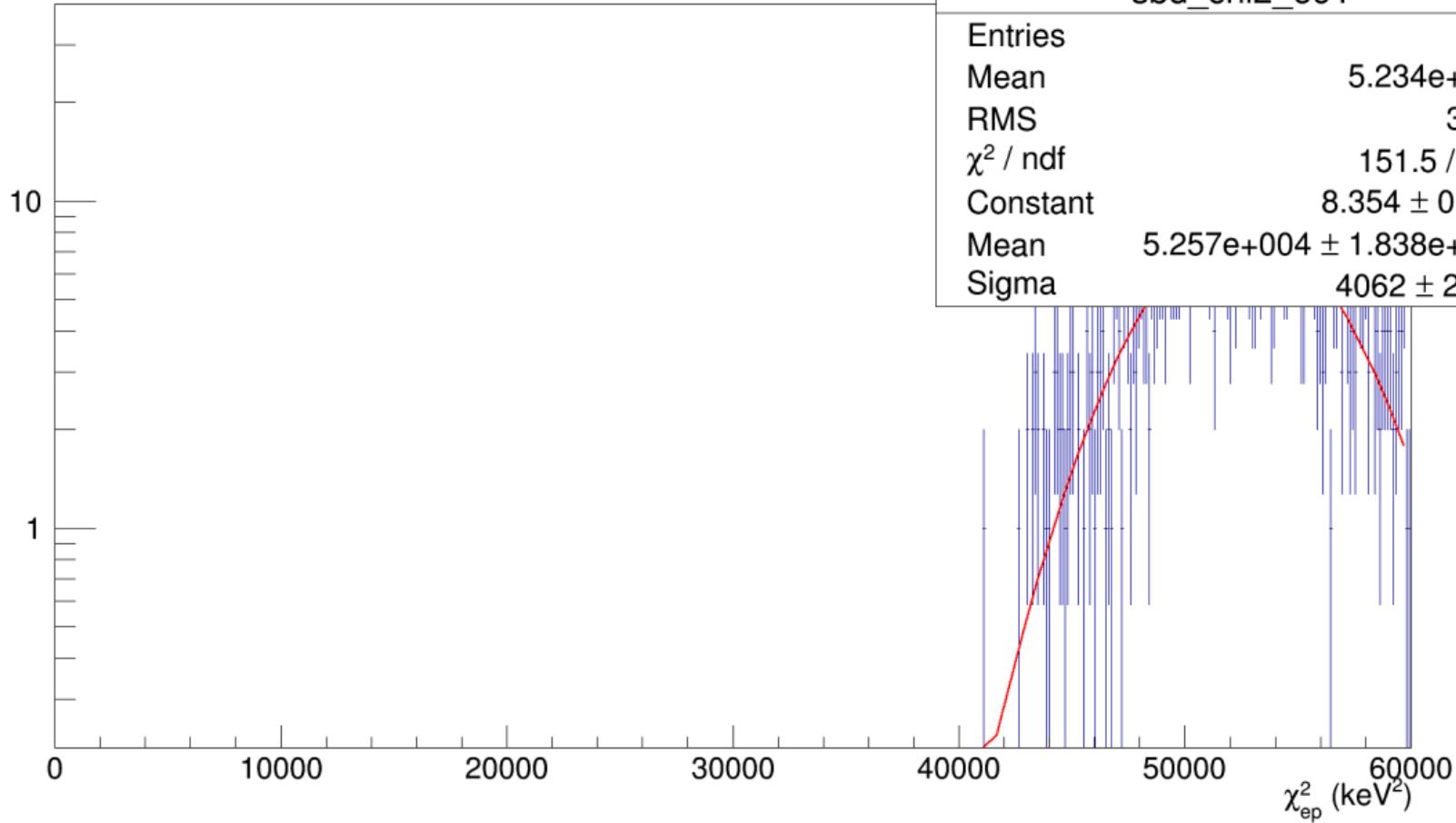
χ^2_{ep} (keV 2)

sbd_chi2_690	
Entries	998
Mean	5.228e+004
RMS	3729
χ^2 / ndf	112.3 / 136
Constant	9.552 ± 0.456
Mean	5.233e+004 ± 1.667e+002
Sigma	4012 ± 159.5



χ^2_{ep} from 691.00 keV to 692.00 keV

probability



sbd_chi2_691	
Entries	931
Mean	5.234e+004
RMS	3767
χ^2 / ndf	151.5 / 135
Constant	8.354 ± 0.453
Mean	5.257e+004 ± 1.838e+002
Sigma	4062 ± 203.1

χ^2_{ep} from 692.00 keV to 693.00 keV

probability

10

1

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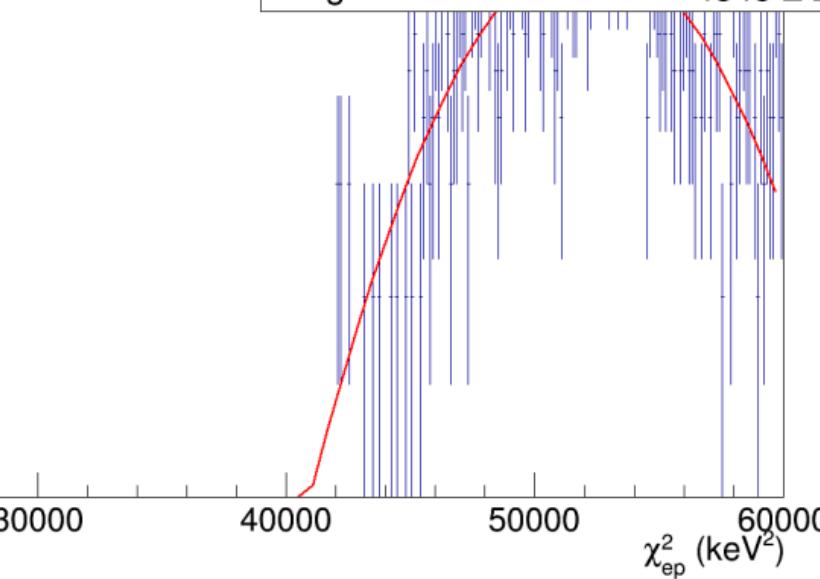
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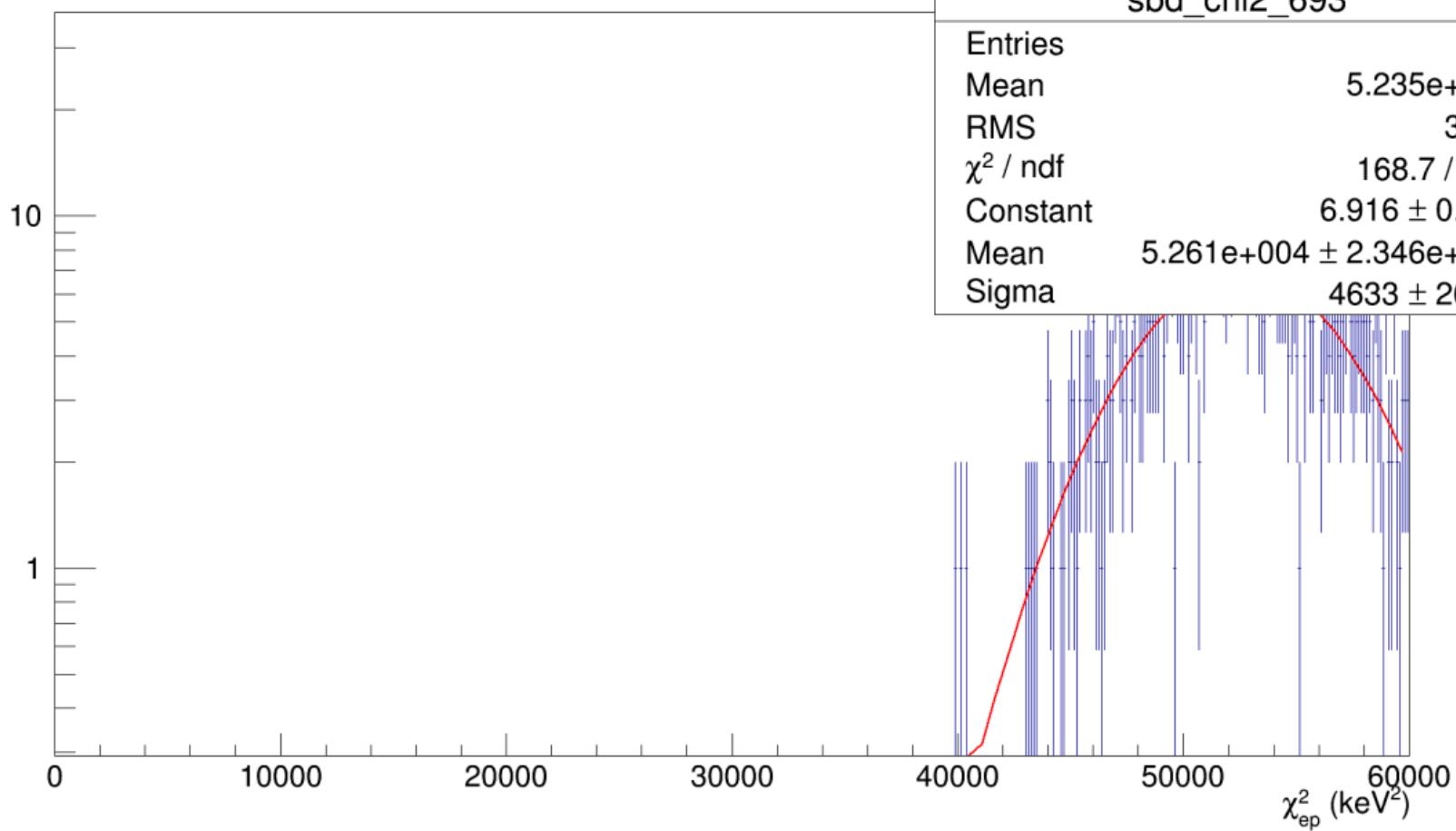
χ^2_{ep} (keV 2)

sbd_chi2_692	
Entries	979
Mean	5.226e+004
RMS	3834
χ^2 / ndf	159.5 / 131
Constant	8.363 ± 0.428
Mean	$5.223\text{e}+004 \pm 1.971\text{e}+002$
Sigma	4345 ± 213.0



χ^2_{ep} from 693.00 keV to 694.00 keV

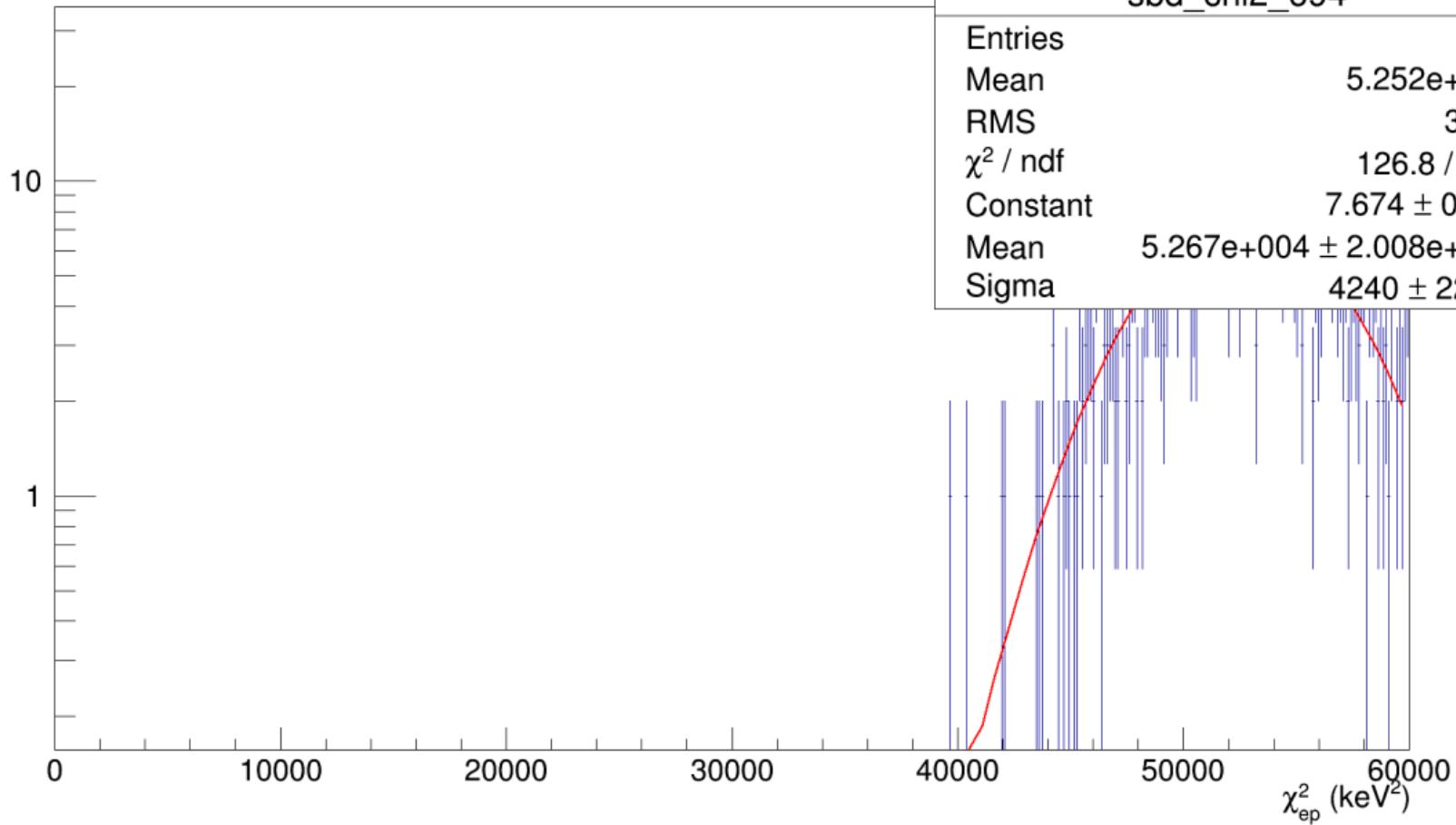
probability



sbd_chi2_693	
Entries	903
Mean	5.235e+004
RMS	3799
χ^2 / ndf	168.7 / 135
Constant	6.916 ± 0.382
Mean	5.261e+004 ± 2.346e+002
Sigma	4633 ± 261.5

χ^2_{ep} from 694.00 keV to 695.00 keV

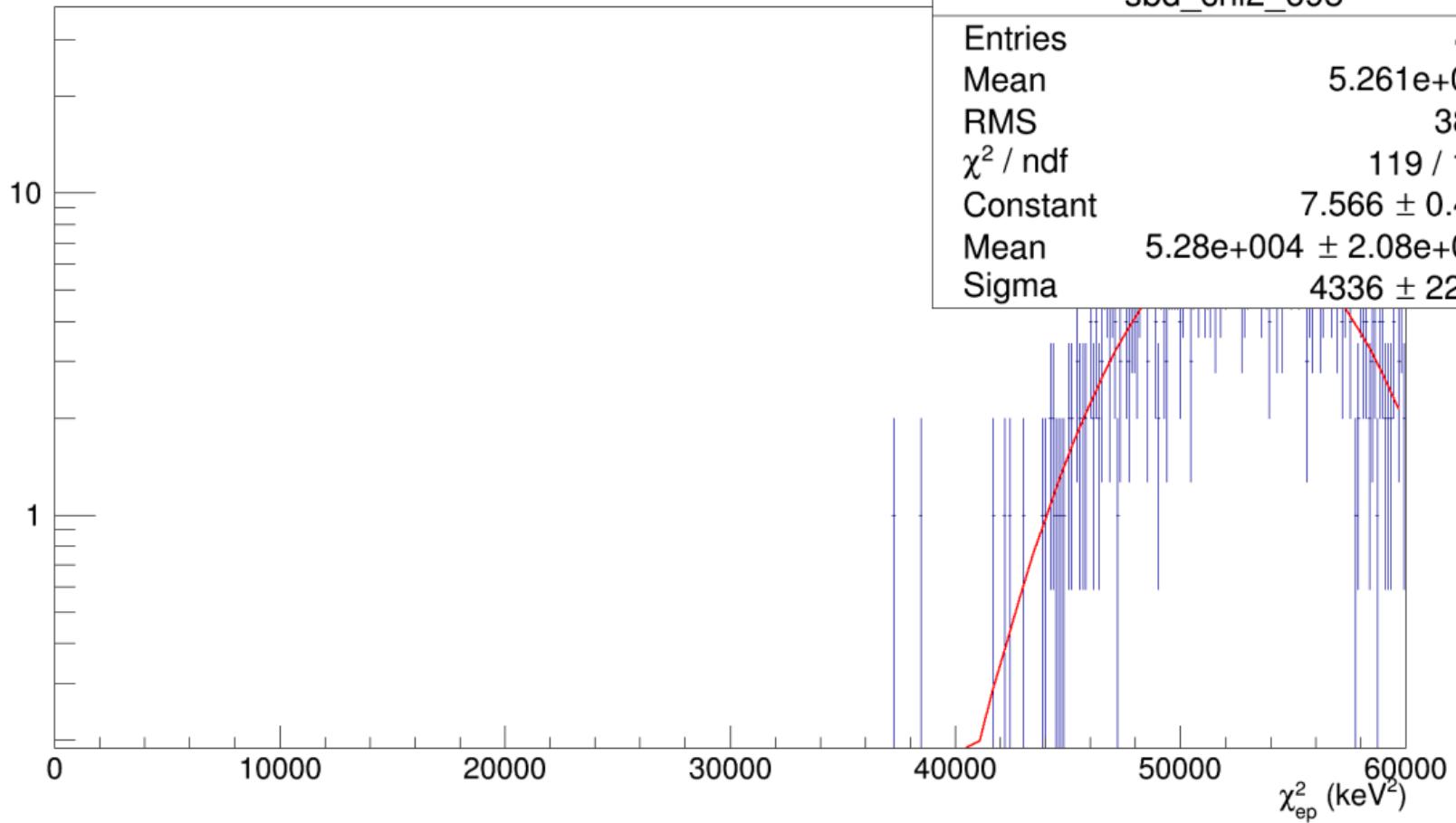
probability



sbd_chi2_694	
Entries	862
Mean	5.252e+004
RMS	3798
χ^2 / ndf	126.8 / 133
Constant	7.674 ± 0.421
Mean	5.267e+004 ± 2.008e+002
Sigma	4240 ± 223.2

χ^2_{ep} from 695.00 keV to 696.00 keV

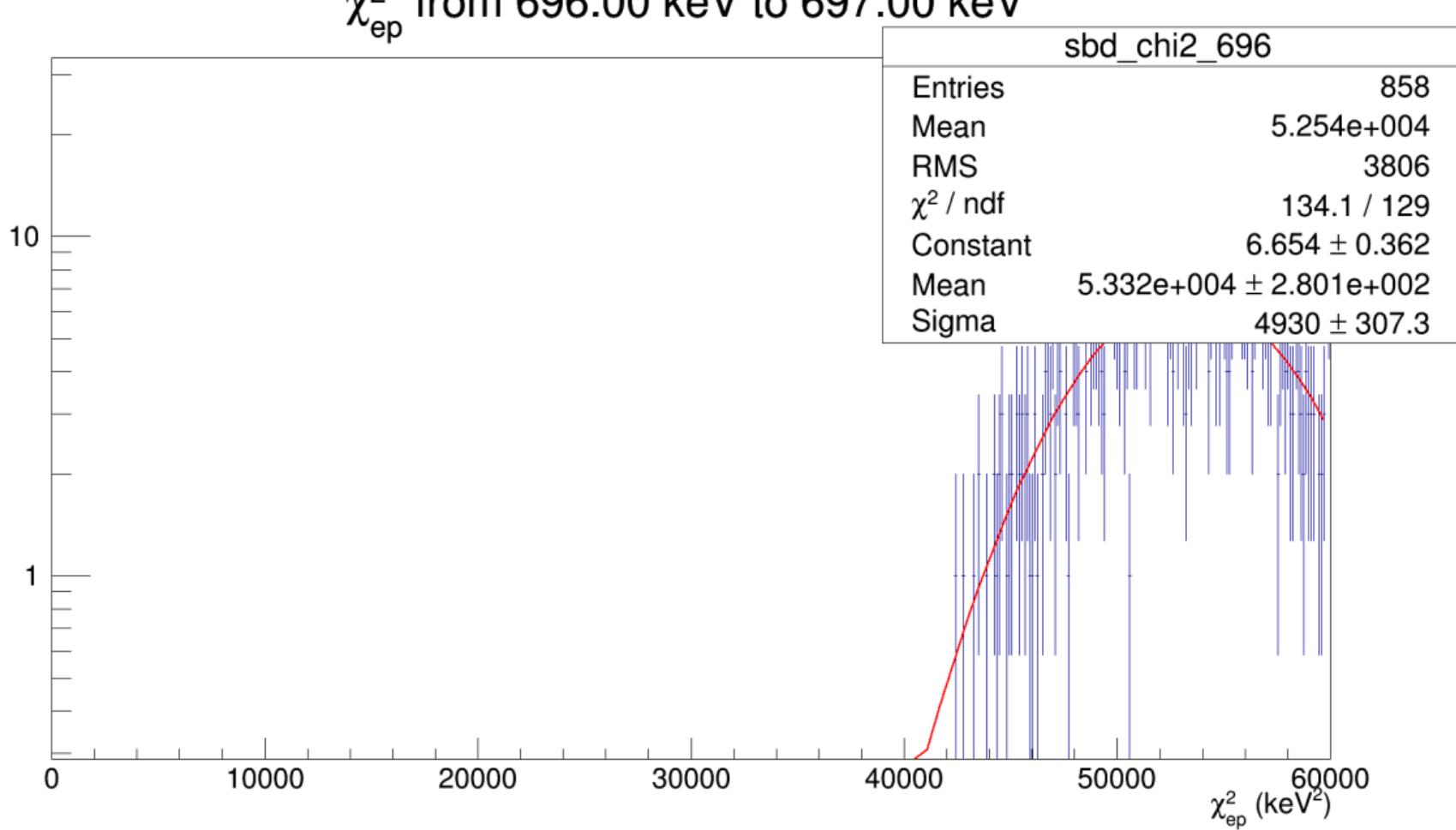
probability



sbd_chi2_695	
Entries	883
Mean	5.261e+004
RMS	3805
χ^2 / ndf	119 / 132
Constant	7.566 ± 0.409
Mean	5.28e+004 ± 2.08e+002
Sigma	4336 ± 225.9

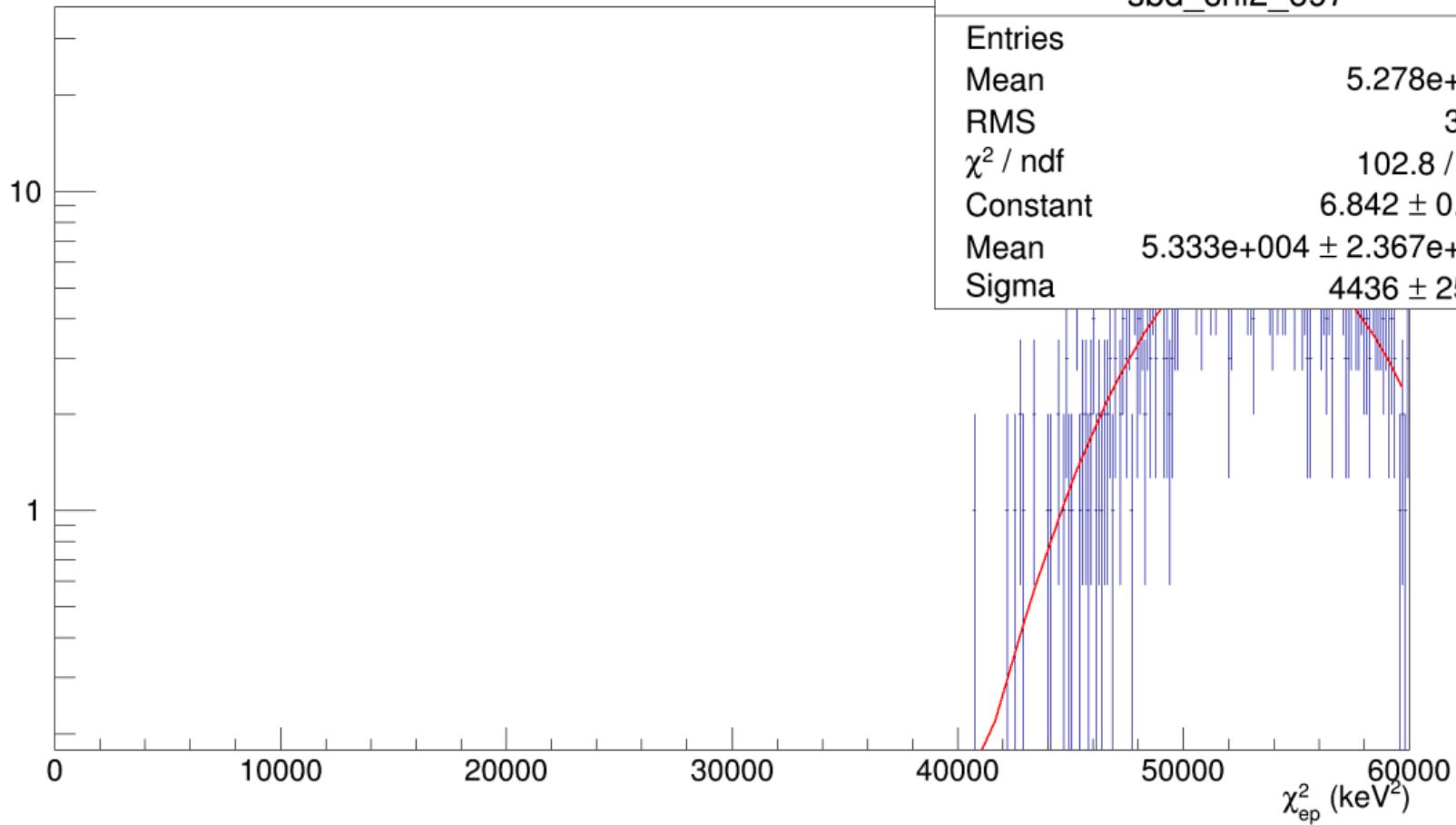
χ^2_{ep} from 696.00 keV to 697.00 keV

probability



χ^2_{ep} from 697.00 keV to 698.00 keV

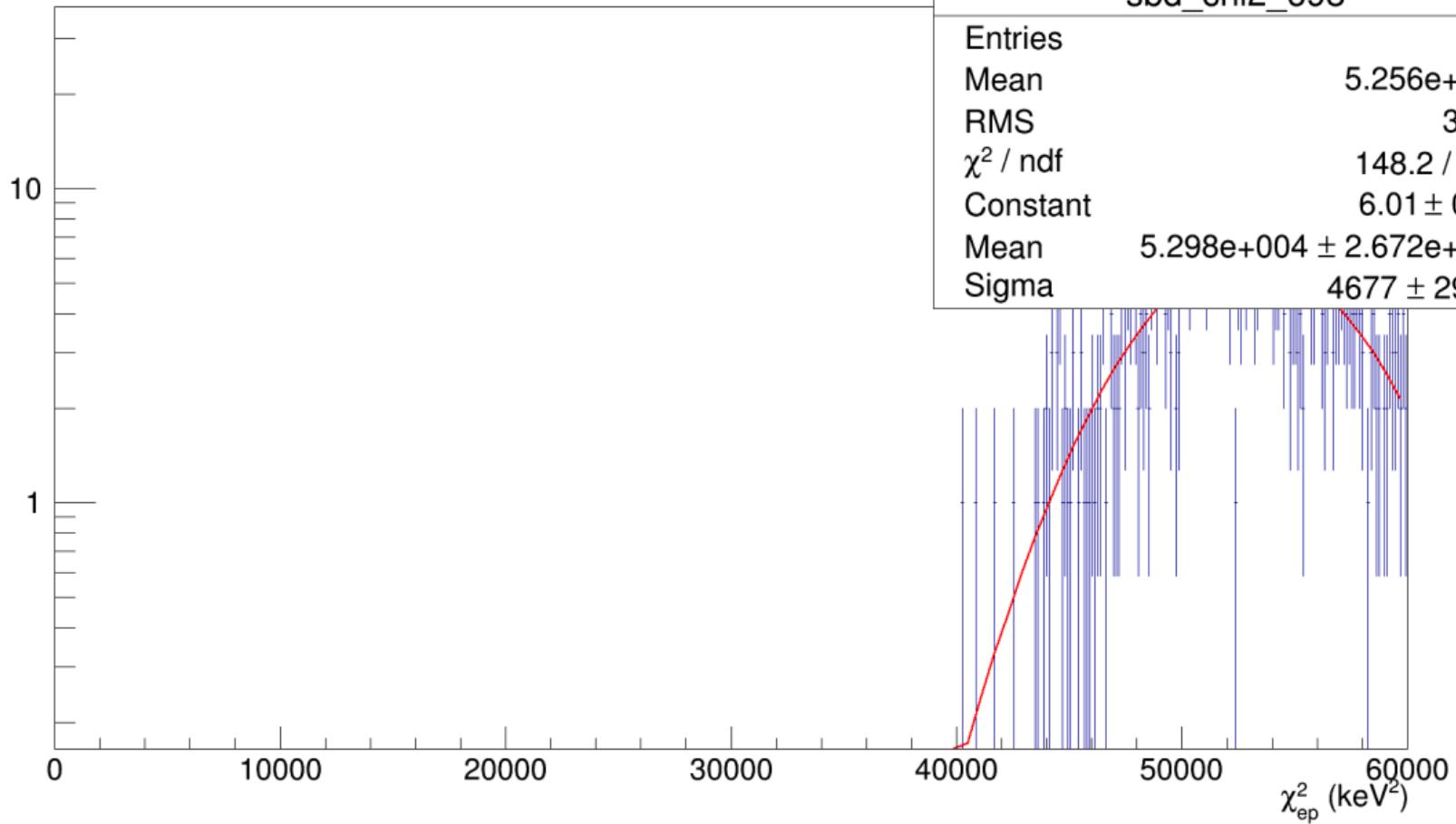
probability



sbd_chi2_697	
Entries	828
Mean	5.278e+004
RMS	3845
χ^2 / ndf	102.8 / 132
Constant	6.842 ± 0.389
Mean	5.333e+004 ± 2.367e+002
Sigma	4436 ± 255.8

χ^2_{ep} from 698.00 keV to 699.00 keV

probability



sbd_chi2_698	
Entries	809
Mean	5.256e+004
RMS	3826
χ^2 / ndf	148.2 / 134
Constant	6.01 ± 0.36
Mean	5.298e+004 ± 2.672e+002
Sigma	4677 ± 292.4

χ^2_{ep} from 699.00 keV to 700.00 keV

probability

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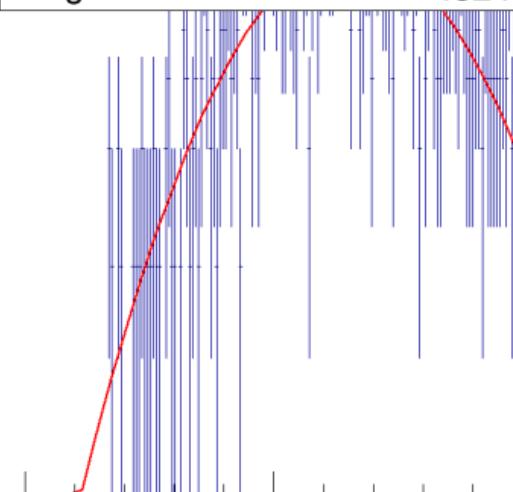
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χ^2_{ep} (keV 2)

sbd_chi2_699	
Entries	771
Mean	5.271e+004
RMS	3687
χ^2 / ndf	106 / 130
Constant	6.367 ± 0.372
Mean	5.317e+004 ± 2.367e+002
Sigma	4324 ± 247.6



χ^2_{ep} from 700.00 keV to 701.00 keV

probability

10

1

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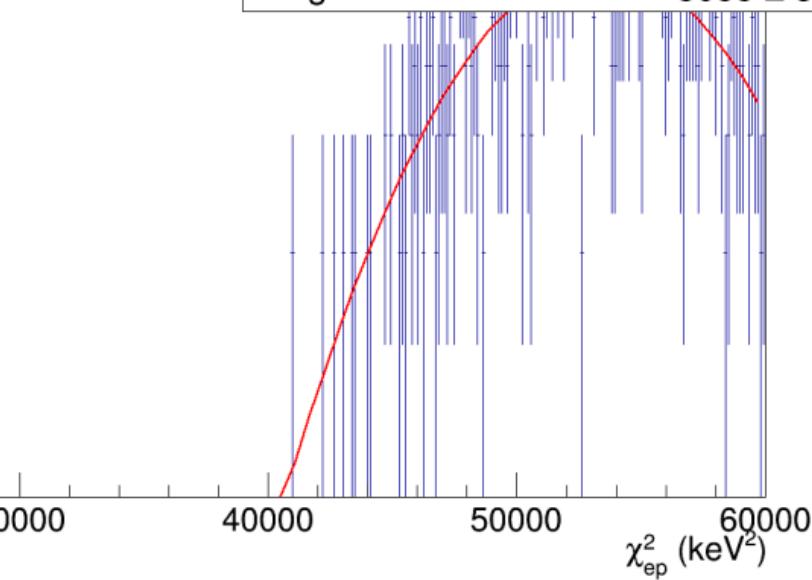
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χ^2_{ep} (keV 2)

sbd_chi2_700	
Entries	726
Mean	5.271e+004
RMS	3773
χ^2 / ndf	124.4 / 127
Constant	5.389 ± 0.330
Mean	5.332e+004 ± 3.161e+002
Sigma	5055 ± 369.8



χ^2_{ep} from 701.00 keV to 702.00 keV

probability

10

1

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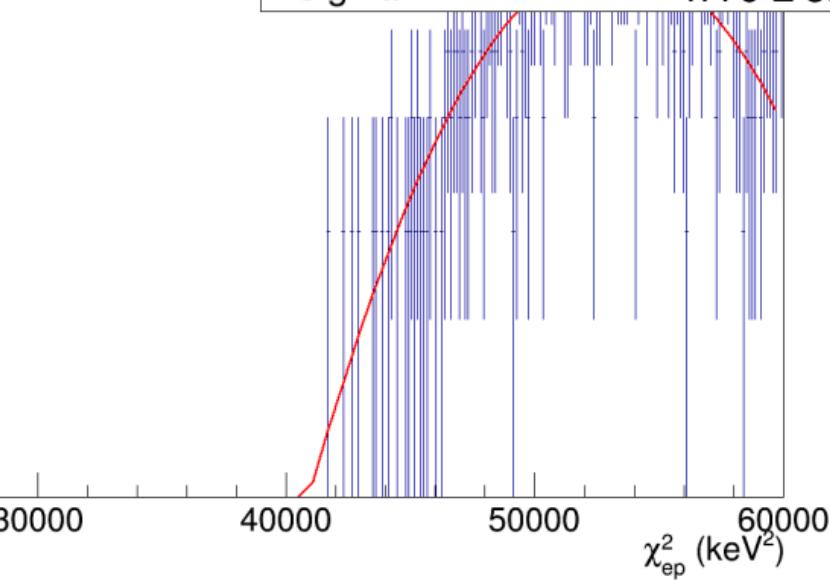
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χ^2_{ep} (keV 2)

sbd_chi2_701	
Entries	707
Mean	5.275e+004
RMS	3751
χ^2 / ndf	113.9 / 130
Constant	5.309 ± 0.340
Mean	5.32e+004 ± 3.04e+002
Sigma	4776 ± 351.5



χ^2_{ep} from 702.00 keV to 703.00 keV

probability

10

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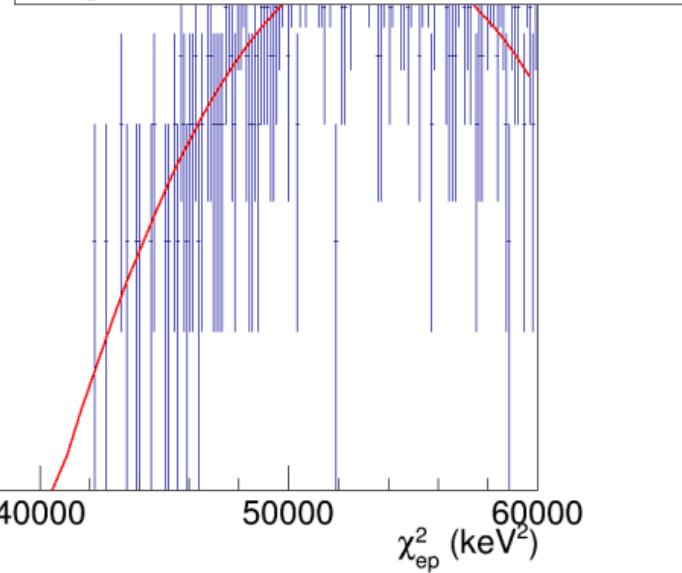
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χ^2_{ep} (keV 2)

sbd_chi2_702	
Entries	712
Mean	5.303e+004
RMS	3775
χ^2 / ndf	115.4 / 127
Constant	5.352 ± 0.328
Mean	5.36e+004 ± 3.53e+002
Sigma	5144 ± 405.9

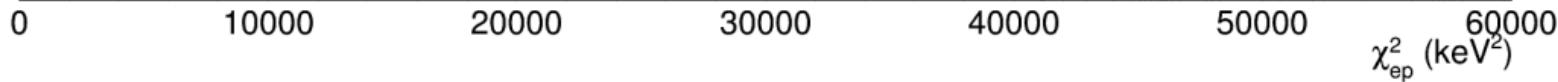


χ^2_{ep} from 703.00 keV to 704.00 keV

probability

10

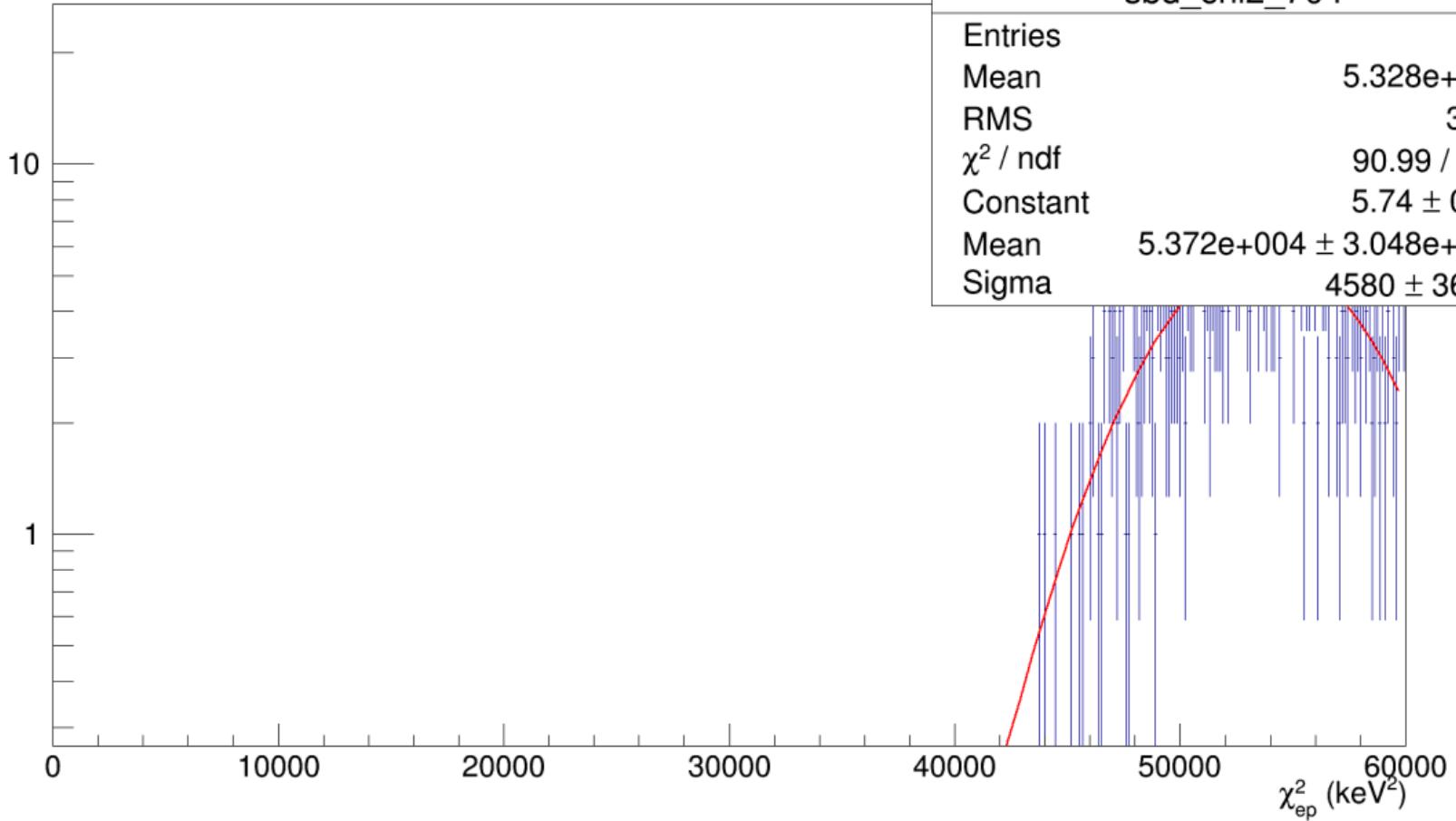
1



sbd_chi2_703	
Entries	666
Mean	5.279e+004
RMS	3639
χ^2 / ndf	143.2 / 124
Constant	4.66 ± 0.34
Mean	5.276e+004 ± 2.861e+002
Sigma	4391 ± 349.4

χ^2_{ep} from 704.00 keV to 705.00 keV

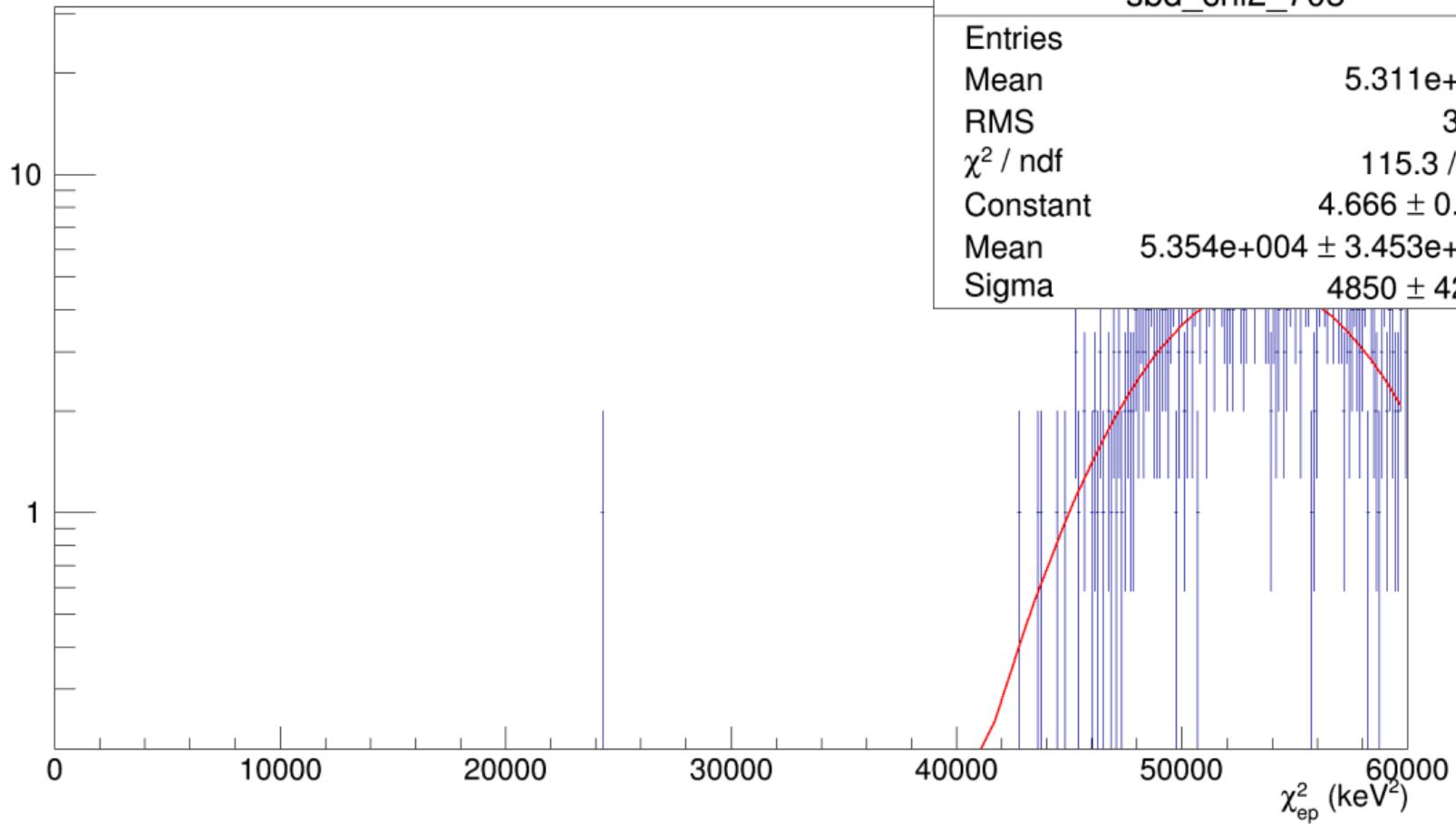
probability



sbd_chi2_704	
Entries	687
Mean	5.328e+004
RMS	3521
χ^2 / ndf	90.99 / 115
Constant	5.74 ± 0.36
Mean	5.372e+004 ± 3.048e+002
Sigma	4580 ± 365.3

χ^2_{ep} from 705.00 keV to 706.00 keV

probability



sbd_chi2_705	
Entries	644
Mean	5.311e+004
RMS	3808
χ^2 / ndf	115.3 / 121
Constant	4.666 ± 0.322
Mean	$5.354 \times 10^4 \pm 3.453 \times 10^2$
Sigma	4850 ± 428.5

χ^2_{ep} from 706.00 keV to 707.00 keV

probability

10

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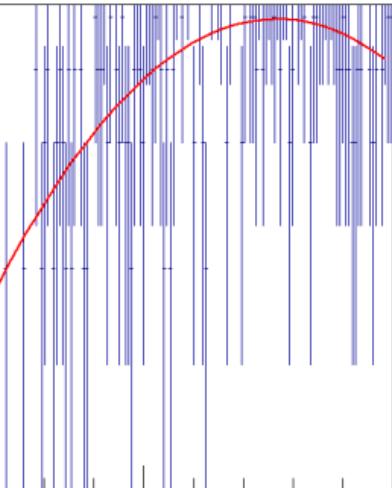
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χ^2_{ep} (keV 2)

sbd_chi2_706	
Entries	583
Mean	5.338e+004
RMS	3692
χ^2 / ndf	104.6 / 115
Constant	3.961 ± 0.269
Mean	5.535e+004 ± 8.859e+002
Sigma	6539 ± 1004.3



χ^2_{ep} from 707.00 keV to 708.00 keV

probability

10

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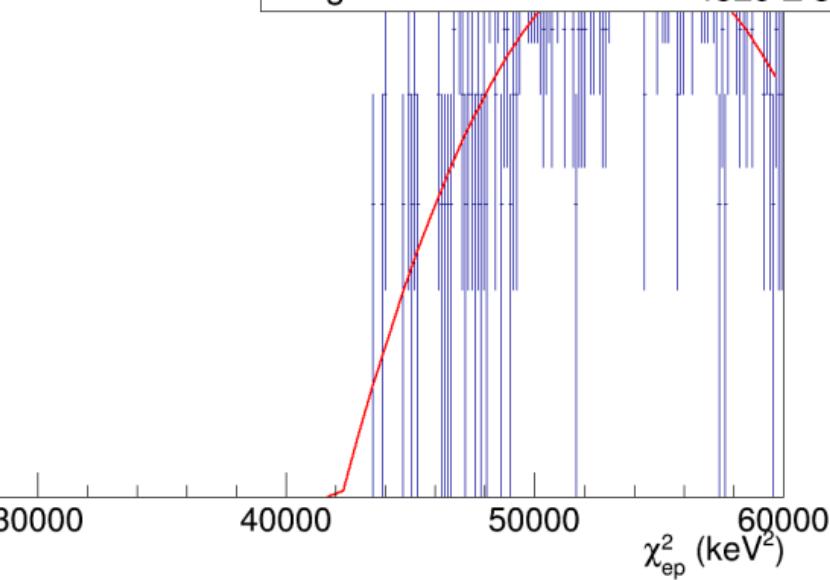
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χ^2_{ep} (keV 2)

sbd_chi2_707	
Entries	630
Mean	5.35e+004
RMS	3553
χ^2 / ndf	112.4 / 118
Constant	4.837 ± 0.342
Mean	5.406e+004 ± 3.169e+002
Sigma	4529 ± 392.6



χ^2_{ep} from 708.00 keV to 709.00 keV

probability

10

1

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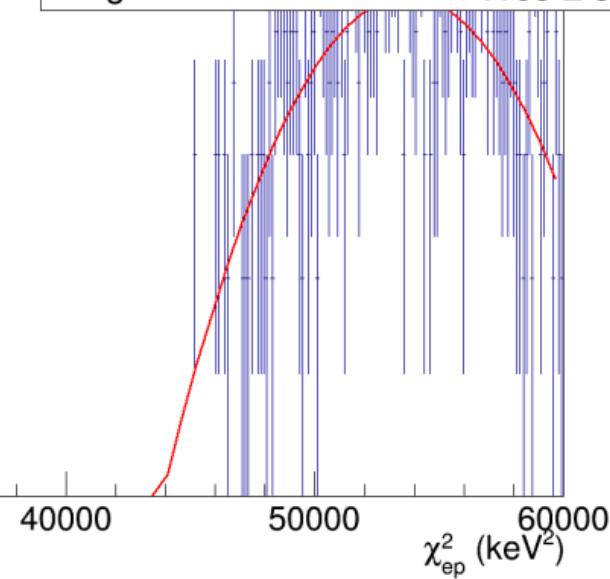
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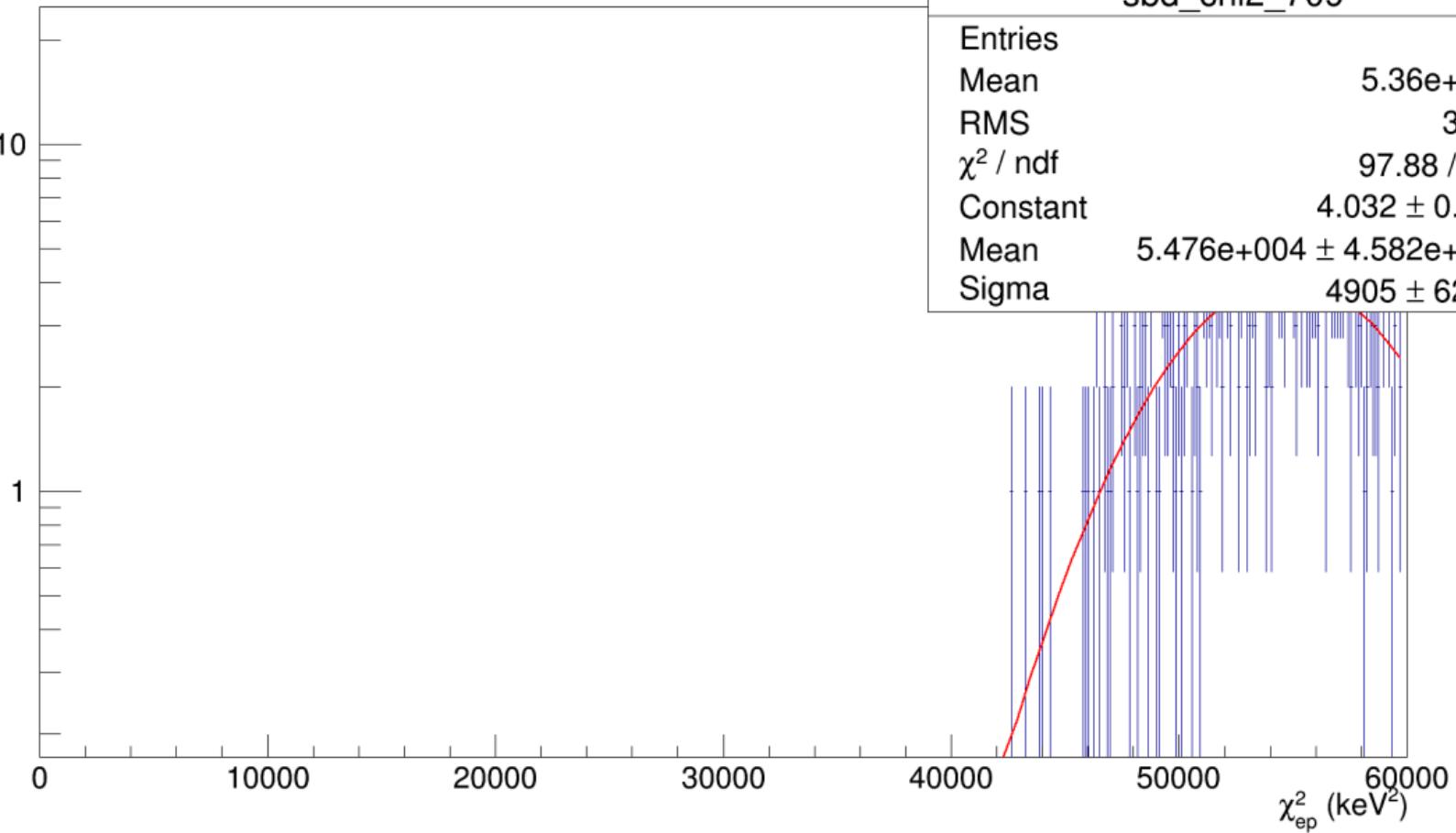
χ^2_{ep} (keV 2)

sbd_chi2_708	
Entries	592
Mean	5.348e+004
RMS	3315
χ^2 / ndf	99.63 / 107
Constant	4.864 ± 0.350
Mean	5.375e+004 ± 2.815e+002
Sigma	4163 ± 340.2



χ^2_{ep} from 709.00 keV to 710.00 keV

probability



sbd_chi2_709	
Entries	551
Mean	5.36e+004
RMS	3495
χ^2 / ndf	97.88 / 111
Constant	4.032 ± 0.324
Mean	$5.476e+004 \pm 4.582e+002$
Sigma	4905 ± 620.6

χ^2_{ep} from 710.00 keV to 711.00 keV

probability

10

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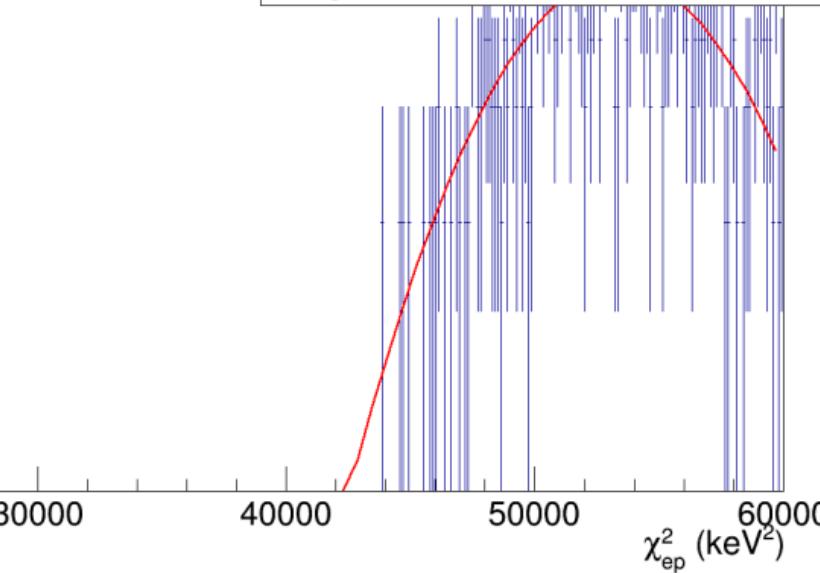
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χ^2_{ep} (keV 2)

sbd_chi2_710	
Entries	556
Mean	5.344e+004
RMS	3485
χ^2 / ndf	97.29 / 115
Constant	4.36 ± 0.32
Mean	5.341e+004 ± 3.047e+002
Sigma	4364 ± 364.6



χ^2_{ep} from 711.00 keV to 712.00 keV

probability

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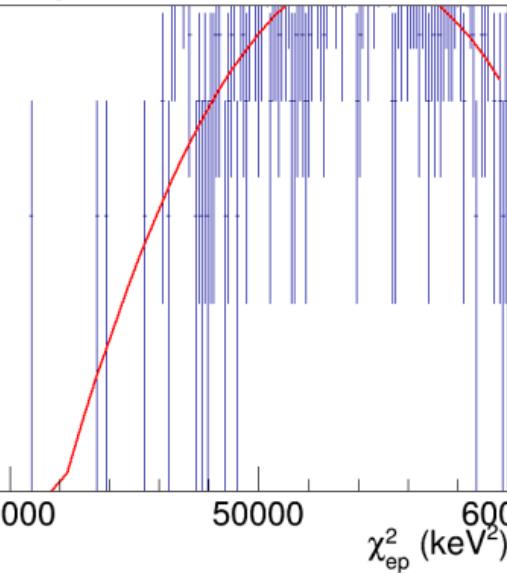
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χ^2_{ep} (keV 2)

sbd_chi2_711	
Entries	560
Mean	5.359e+004
RMS	3536
χ^2 / ndf	78.89 / 108
Constant	4.391 ± 0.329
Mean	5.419e+004 ± 3.797e+002
Sigma	4816 ± 524.0



χ^2_{ep} from 712.00 keV to 713.00 keV

probability

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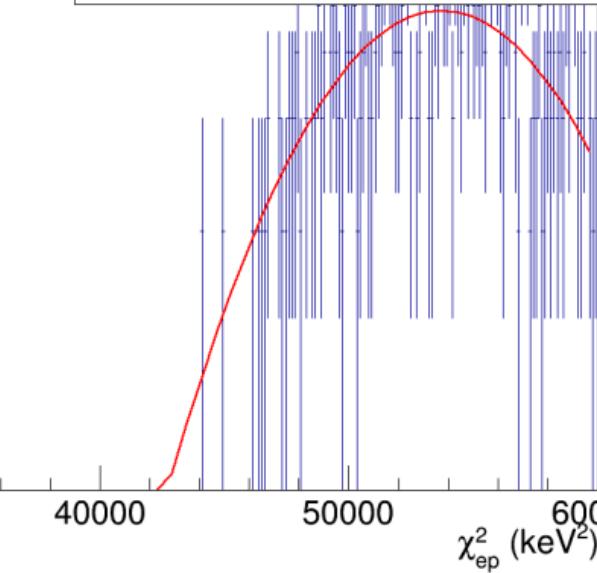
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χ^2_{ep} (keV 2)

sbd_chi2_712	
Entries	516
Mean	5.358e+004
RMS	3277
χ^2 / ndf	90.97 / 106
Constant	3.878 ± 0.311
Mean	5.374e+004 ± 3.636e+002
Sigma	4533 ± 482.0



χ^2_{ep} from 713.00 keV to 714.00 keV

probability

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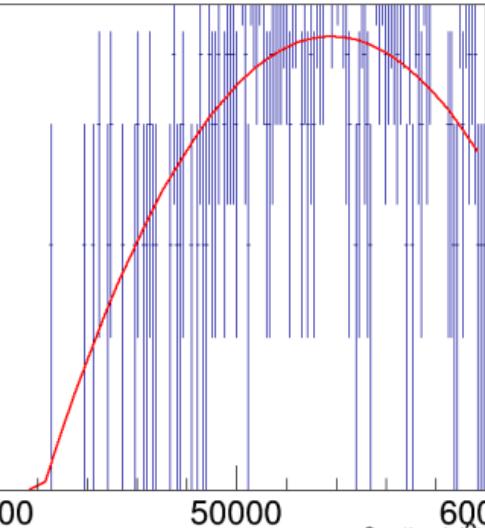
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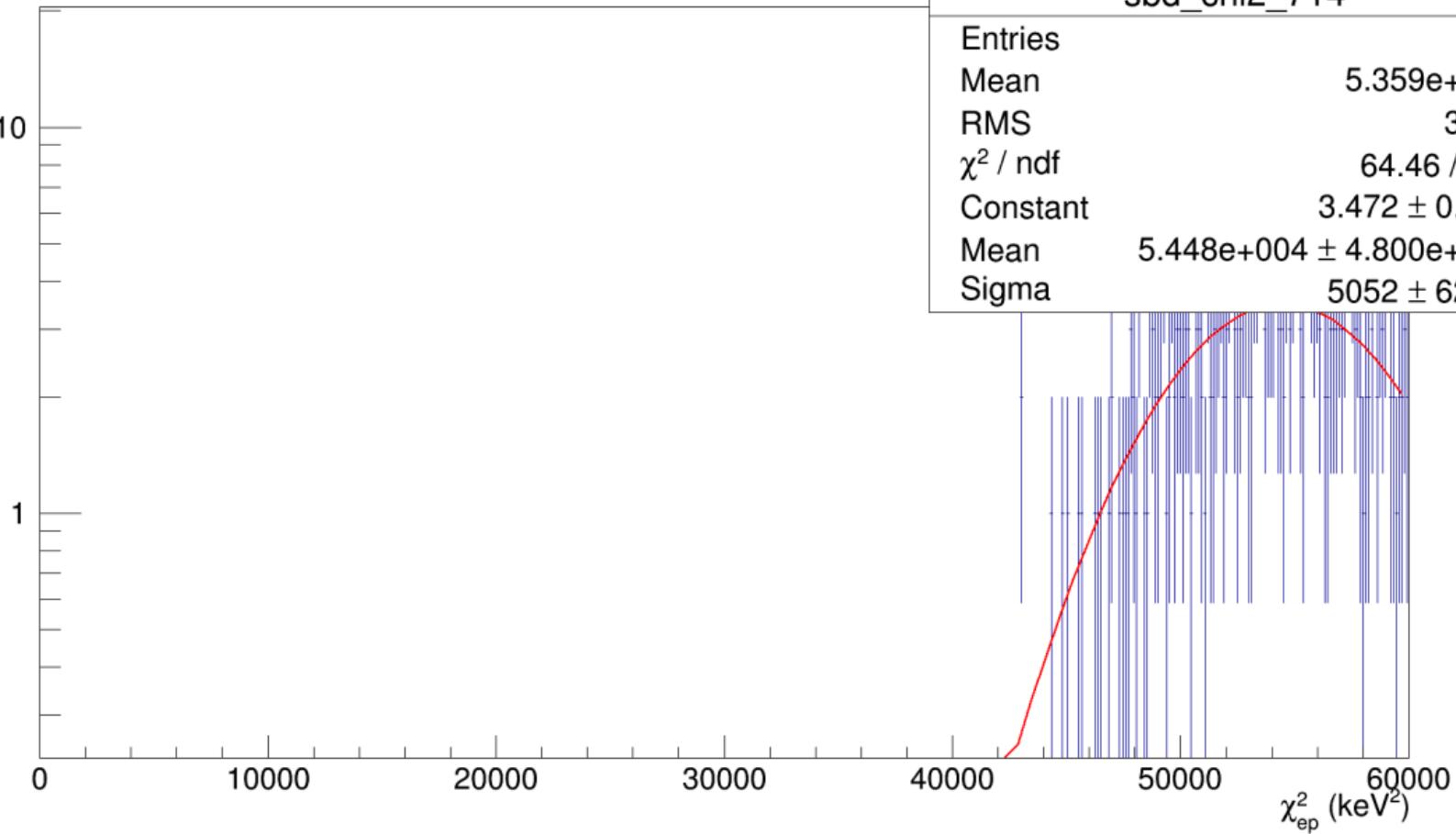
χ^2_{ep} (keV 2)

sbd_chi2_713	
Entries	502
Mean	5.372e+004
RMS	3587
χ^2 / ndf	98.38 / 110
Constant	3.308 ± 0.276
Mean	5.384e+004 ± 4.654e+002
Sigma	5096 ± 614.9



χ^2_{ep} from 714.00 keV to 715.00 keV

probability



sbd_chi2_714	
Entries	463
Mean	5.359e+004
RMS	3537
χ^2 / ndf	64.46 / 111
Constant	3.472 ± 0.283
Mean	$5.448\text{e}+004 \pm 4.800\text{e}+002$
Sigma	5052 ± 625.3

χ^2_{ep} from 715.00 keV to 716.00 keV

probability

10

1

0

10000

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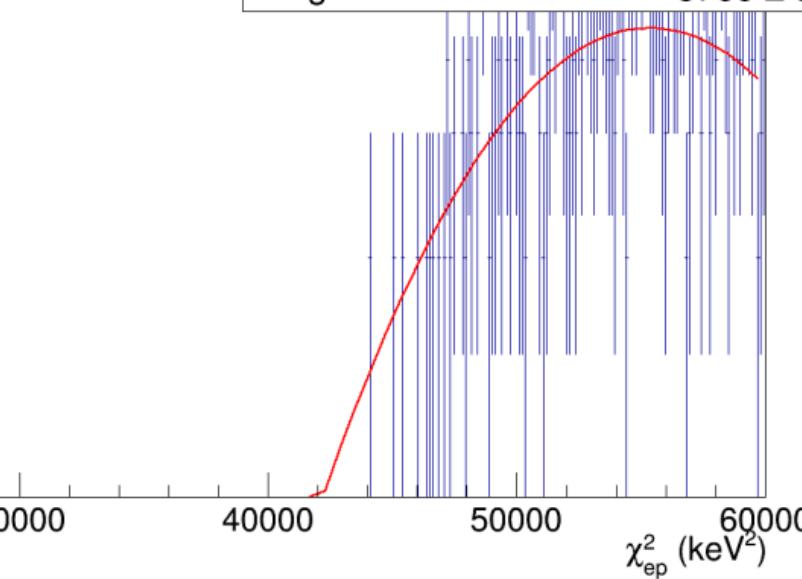
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χ^2_{ep} (keV 2)

sbd_chi2_715	
Entries	509
Mean	5.42e+004
RMS	3422
χ^2 / ndf	78.17 / 102
Constant	3.583 ± 0.268
Mean	5.537e+004 ± 7.576e+002
Sigma	5766 ± 855.4



χ^2_{ep} from 716.00 keV to 717.00 keV

probability

10

1

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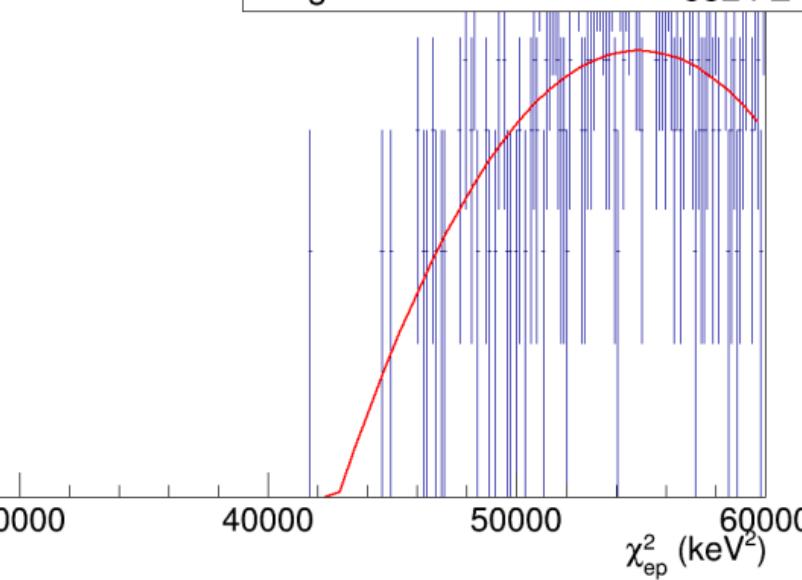
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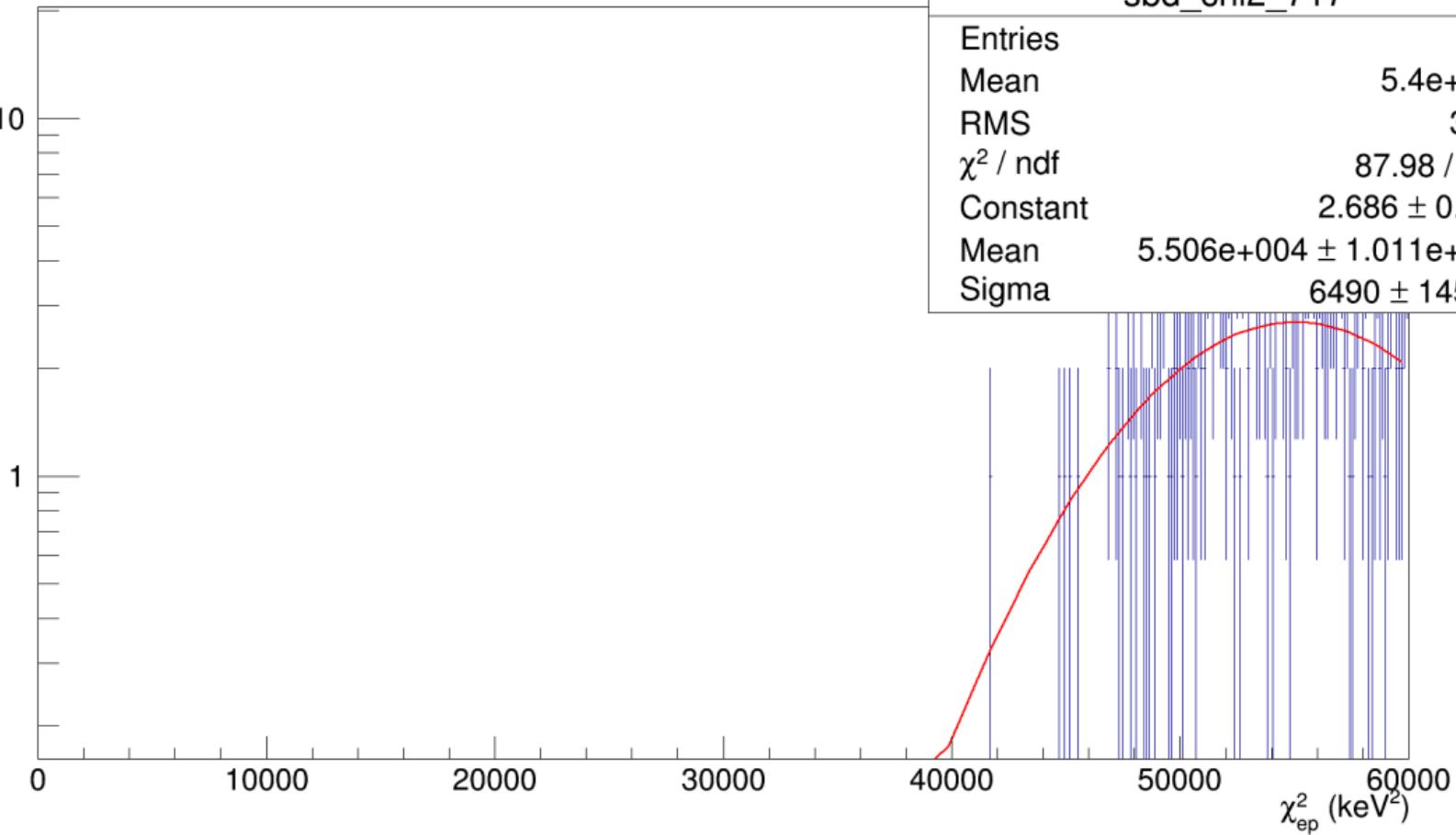
χ^2_{ep} (keV 2)

sbd_chi2_716	
Entries	475
Mean	5.424e+004
RMS	3435
χ^2 / ndf	98.01 / 102
Constant	3.165 ± 0.287
Mean	5.491e+004 ± 6.071e+002
Sigma	5324 ± 917.1



χ^2_{ep} from 717.00 keV to 718.00 keV

probability



sbd_chi2_717	
Entries	433
Mean	5.4e+004
RMS	3561
χ^2 / ndf	87.98 / 104
Constant	2.686 ± 0.242
Mean	5.506e+004 ± 1.011e+003
Sigma	6490 ± 1456.5

χ^2_{ep} from 718.00 keV to 719.00 keV

probability

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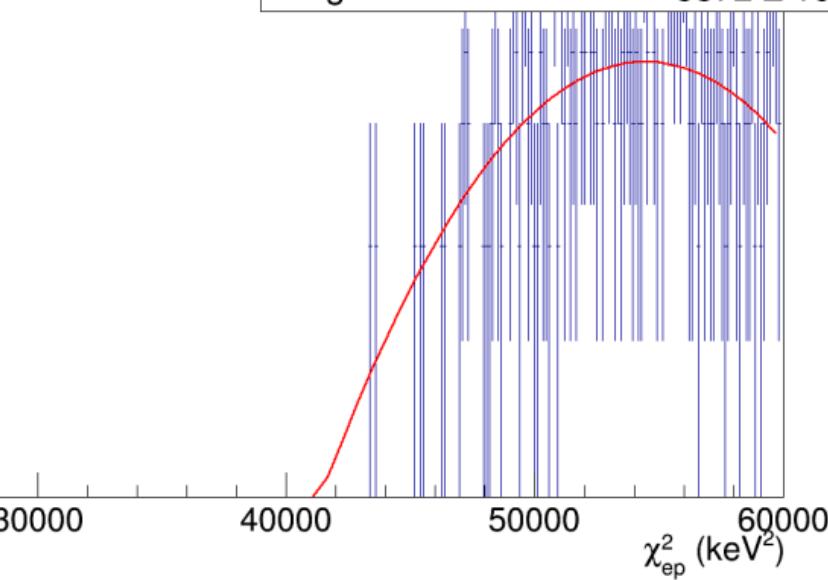
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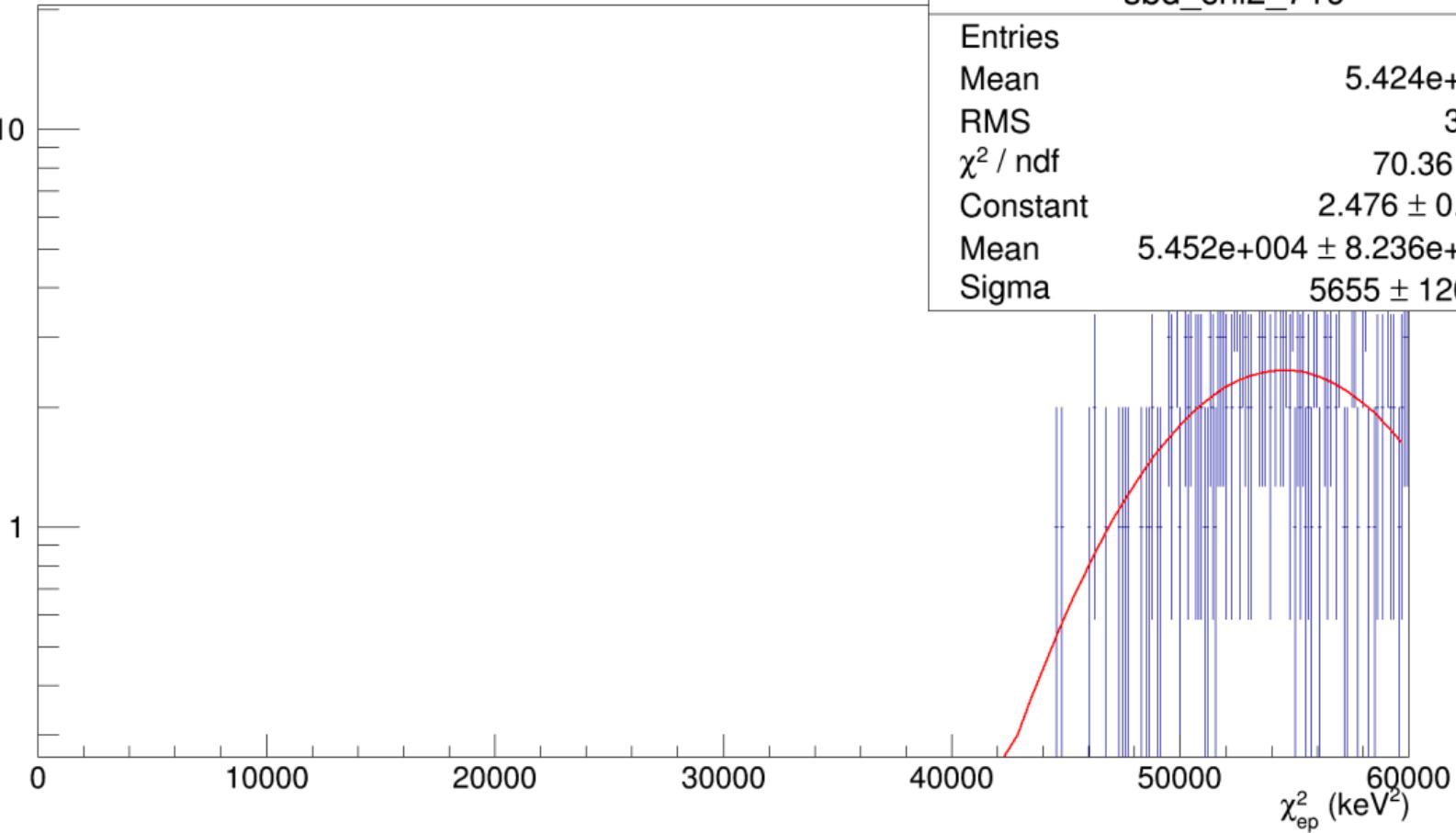
χ^2_{ep} (keV 2)

sbd_chi2_718	
Entries	443
Mean	5.391e+004
RMS	3589
χ^2 / ndf	77.8 / 105
Constant	2.833 ± 0.258
Mean	5.444e+004 ± 7.232e+002
Sigma	5872 ± 1090.9



χ^2_{ep} from 719.00 keV to 720.00 keV

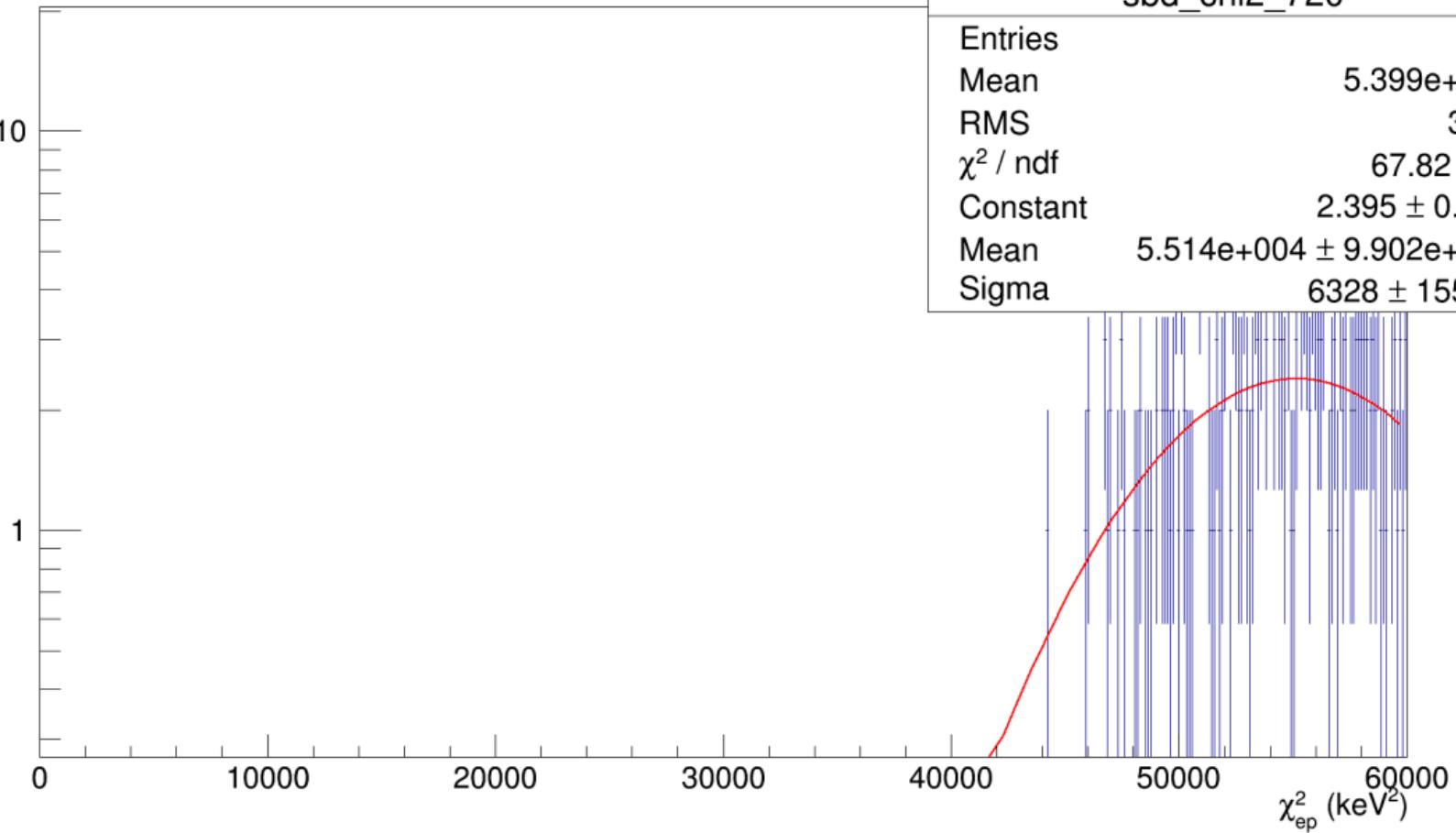
probability



sbd_chi2_719	
Entries	378
Mean	5.424e+004
RMS	3207
χ^2 / ndf	70.36 / 92
Constant	2.476 ± 0.246
Mean	$5.452\text{e}+004 \pm 8.236\text{e}+002$
Sigma	5655 ± 1206.0

χ^2_{ep} from 720.00 keV to 721.00 keV

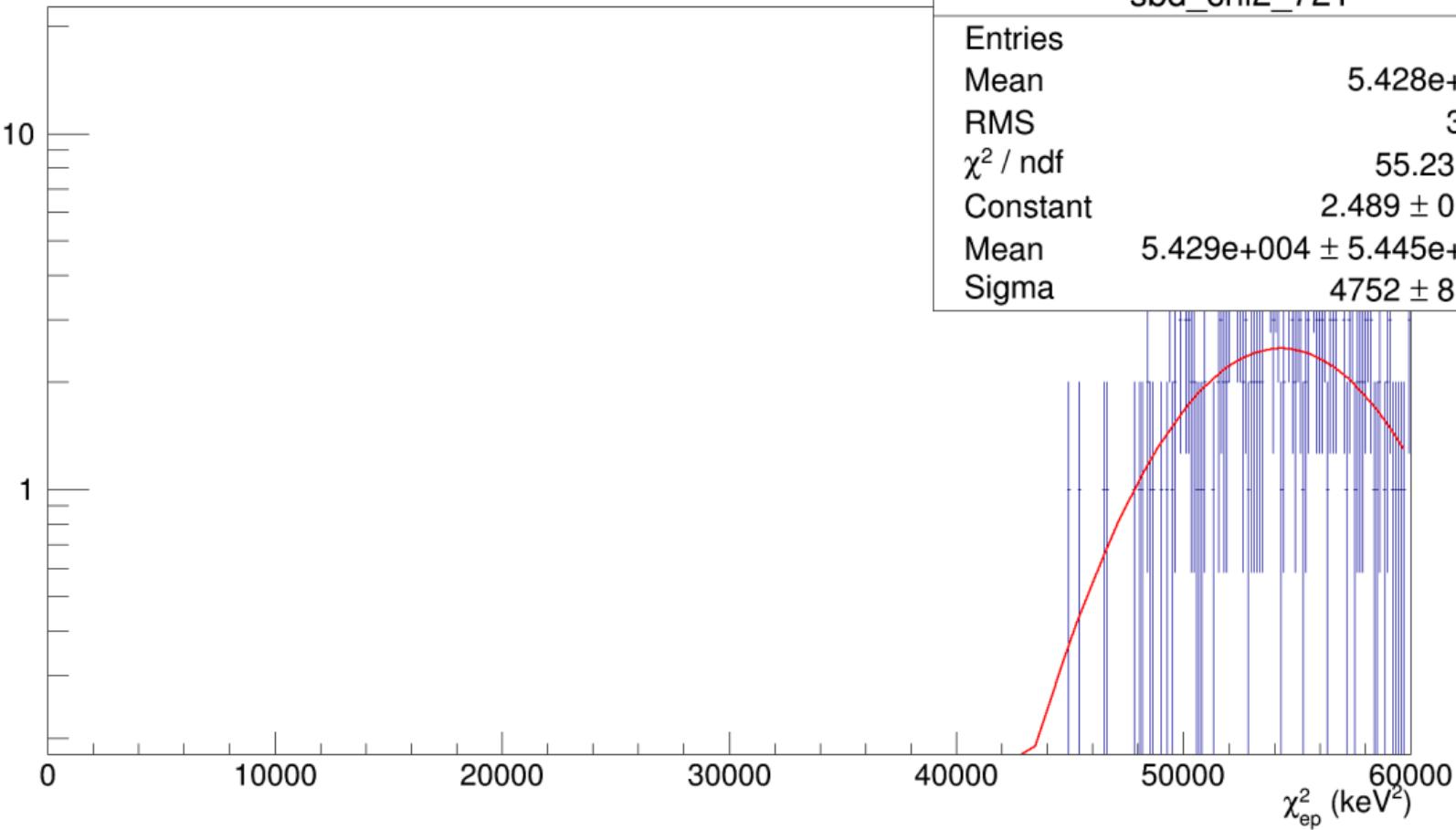
probability



sbd_chi2_720	
Entries	376
Mean	5.399e+004
RMS	3461
χ^2 / ndf	67.82 / 96
Constant	2.395 ± 0.242
Mean	$5.514e+004 \pm 9.902e+002$
Sigma	6328 ± 1555.4

χ^2_{ep} from 721.00 keV to 722.00 keV

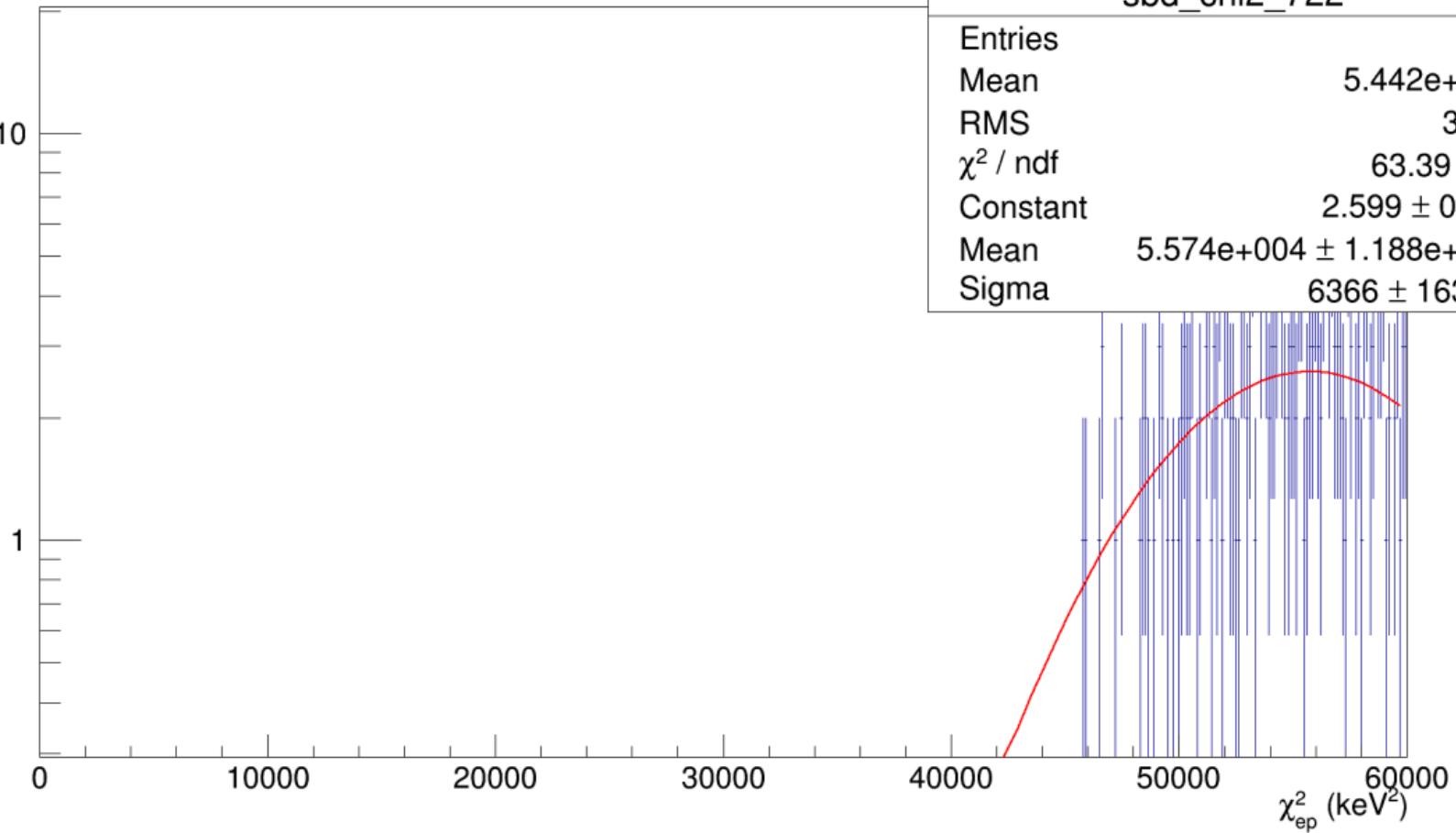
probability



sbd_chi2_721	
Entries	352
Mean	5.428e+004
RMS	3100
χ^2 / ndf	55.23 / 89
Constant	2.489 ± 0.263
Mean	$5.429 \times 10^4 \pm 5.445 \times 10^2$
Sigma	4752 ± 811.7

χ^2_{ep} from 722.00 keV to 723.00 keV

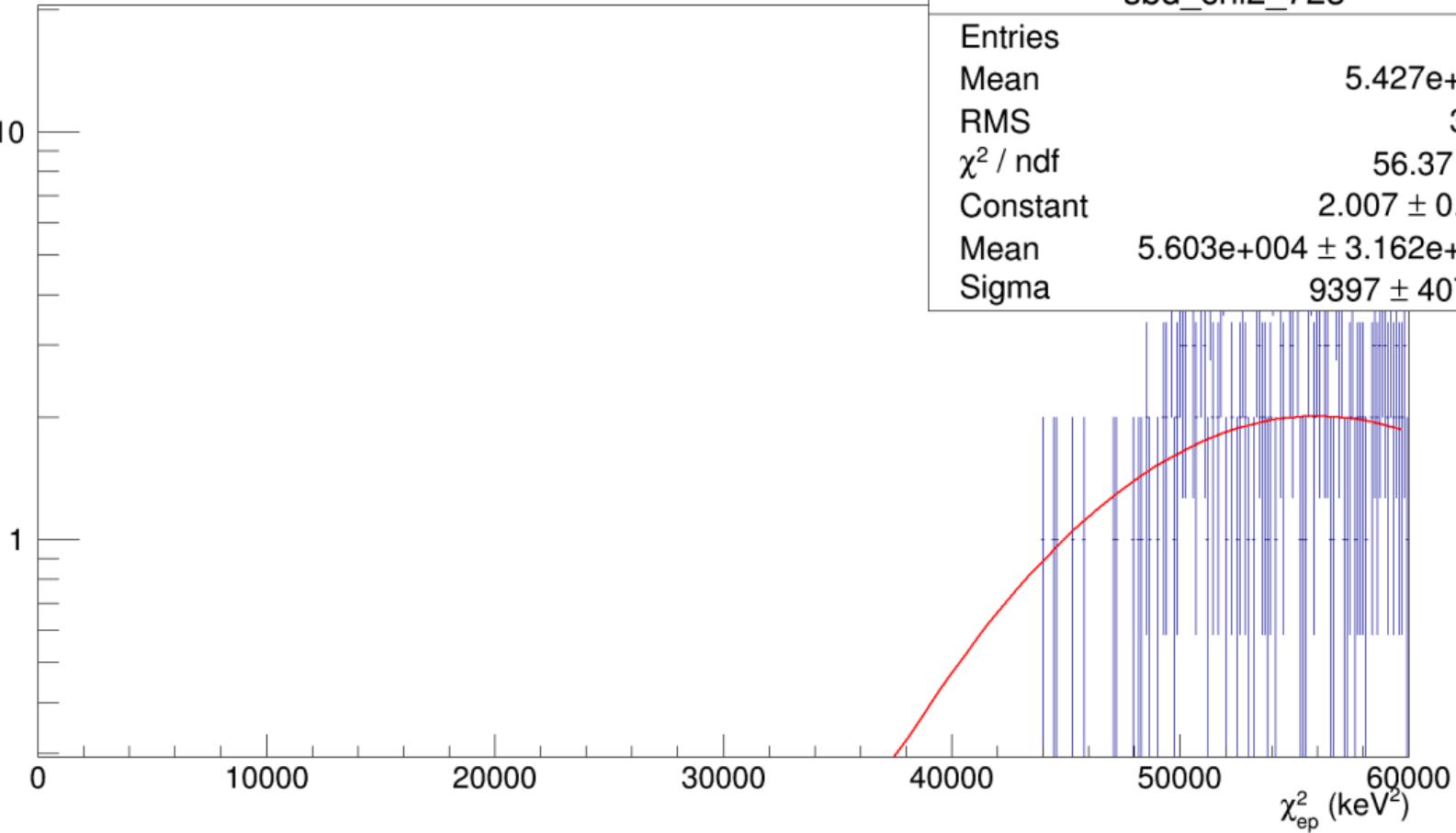
probability



sbd_chi2_722	
Entries	402
Mean	5.442e+004
RMS	3242
χ^2 / ndf	63.39 / 90
Constant	2.599 ± 0.241
Mean	$5.574\text{e+}004 \pm 1.188\text{e+}003$
Sigma	6366 ± 1635.0

χ^2_{ep} from 723.00 keV to 724.00 keV

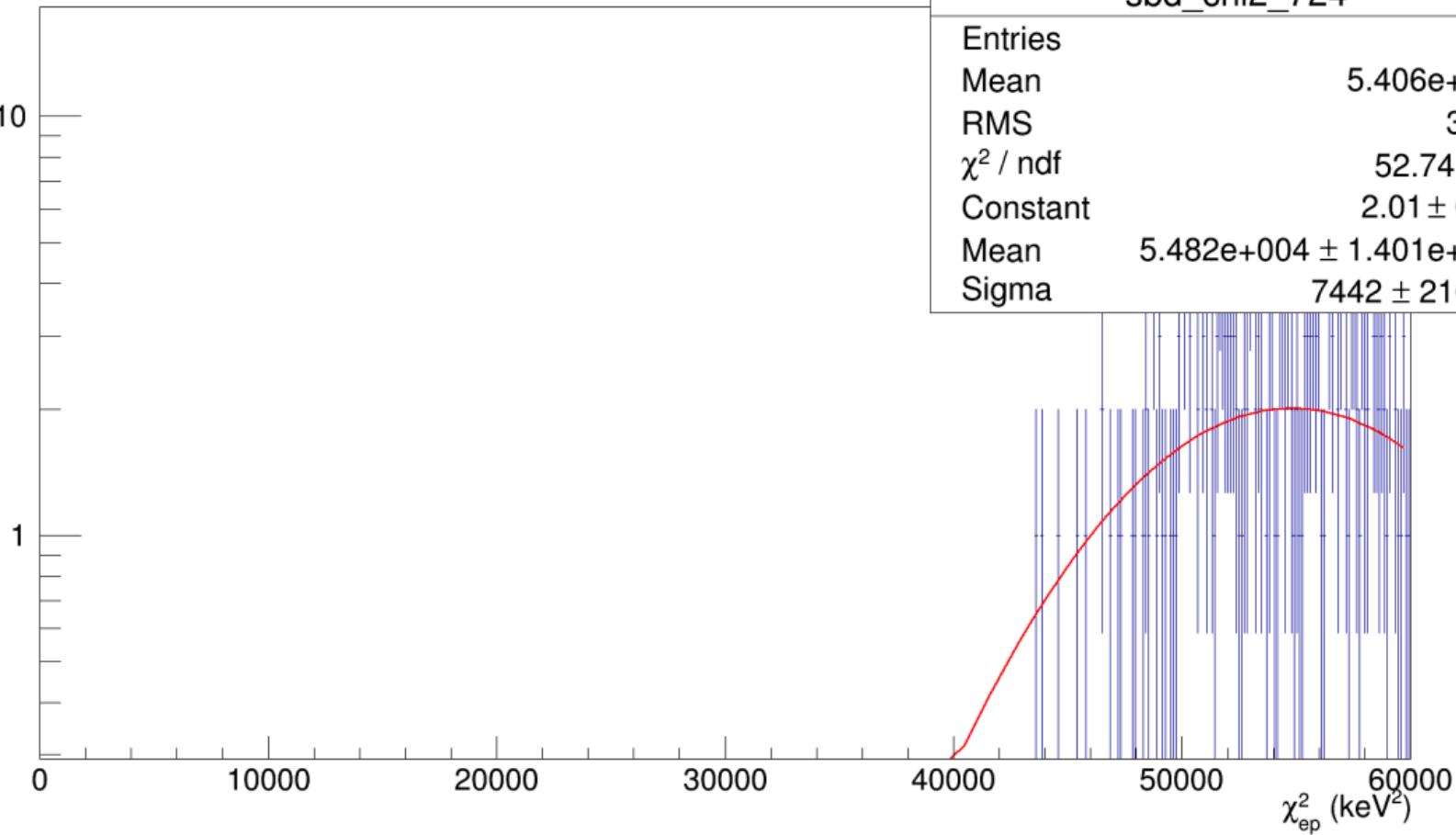
probability



sbd_chi2_723	
Entries	341
Mean	5.427e+004
RMS	3541
χ^2 / ndf	56.37 / 88
Constant	2.007 ± 0.187
Mean	5.603e+004 ± 3.162e+003
Sigma	9397 ± 4079.4

χ^2_{ep} from 724.00 keV to 725.00 keV

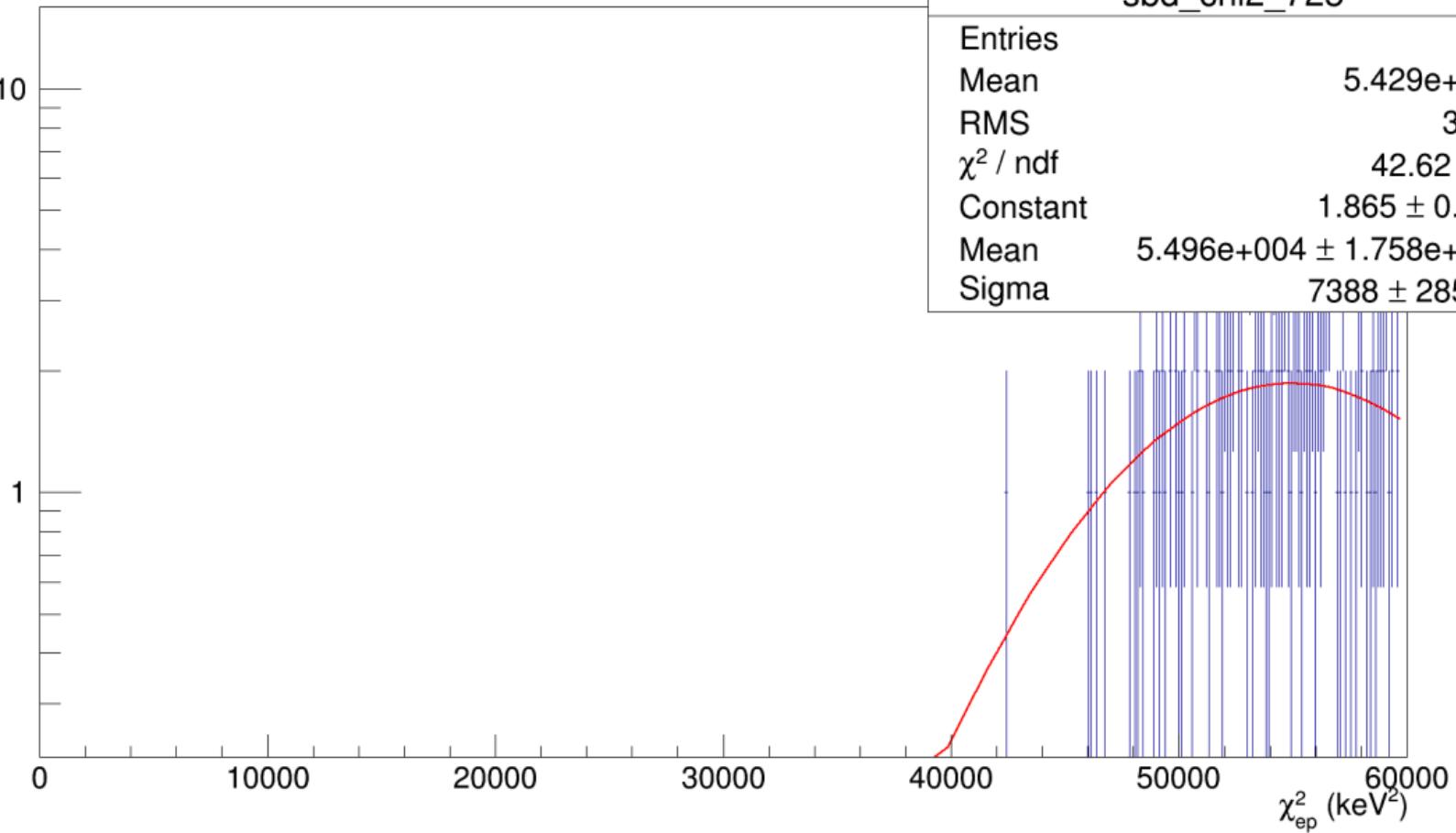
probability



sbd_chi2_724	
Entries	324
Mean	5.406e+004
RMS	3587
χ^2 / ndf	52.74 / 93
Constant	2.01 ± 0.20
Mean	5.482e+004 ± 1.401e+003
Sigma	7442 ± 2108.7

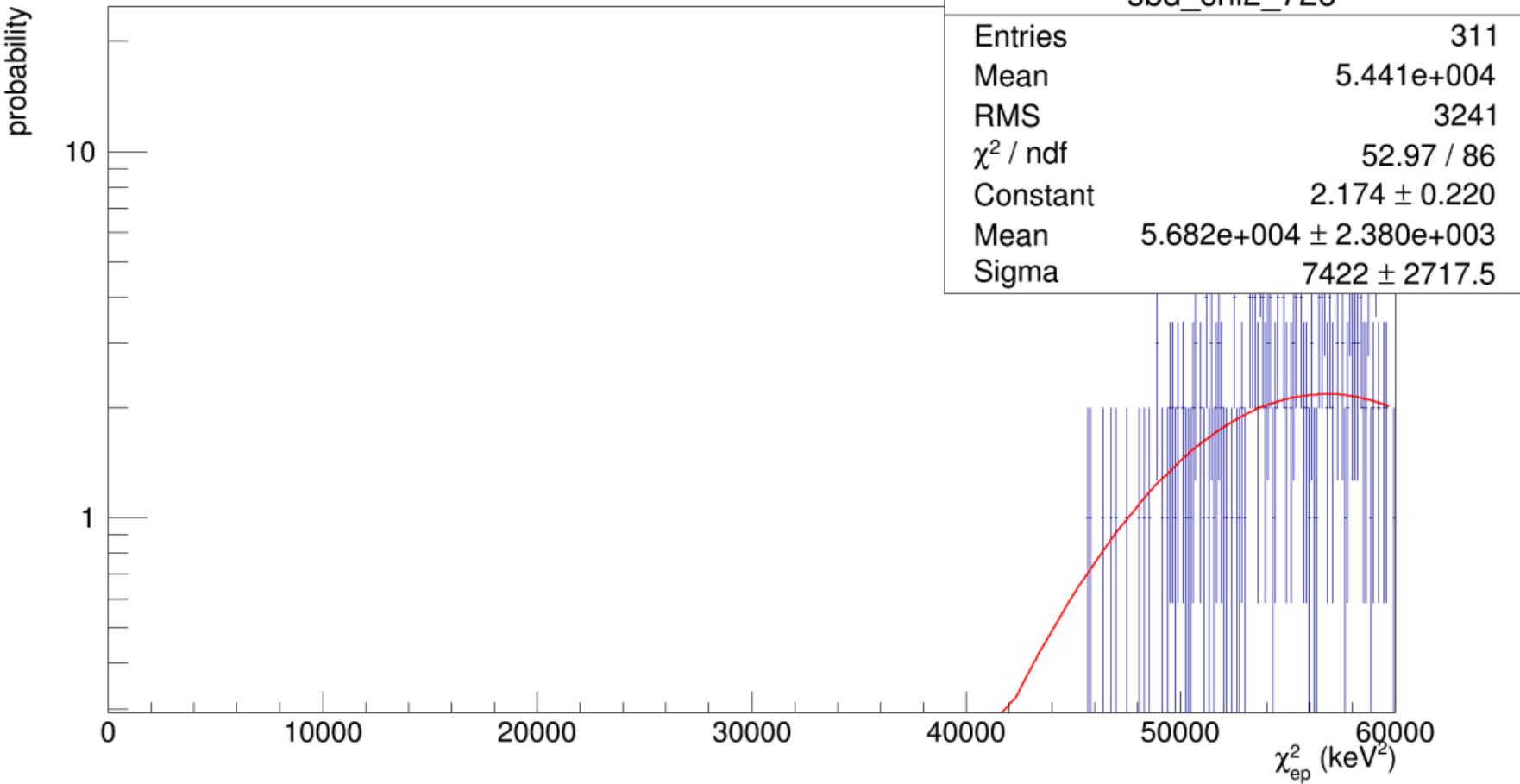
χ^2_{ep} from 725.00 keV to 726.00 keV

probability



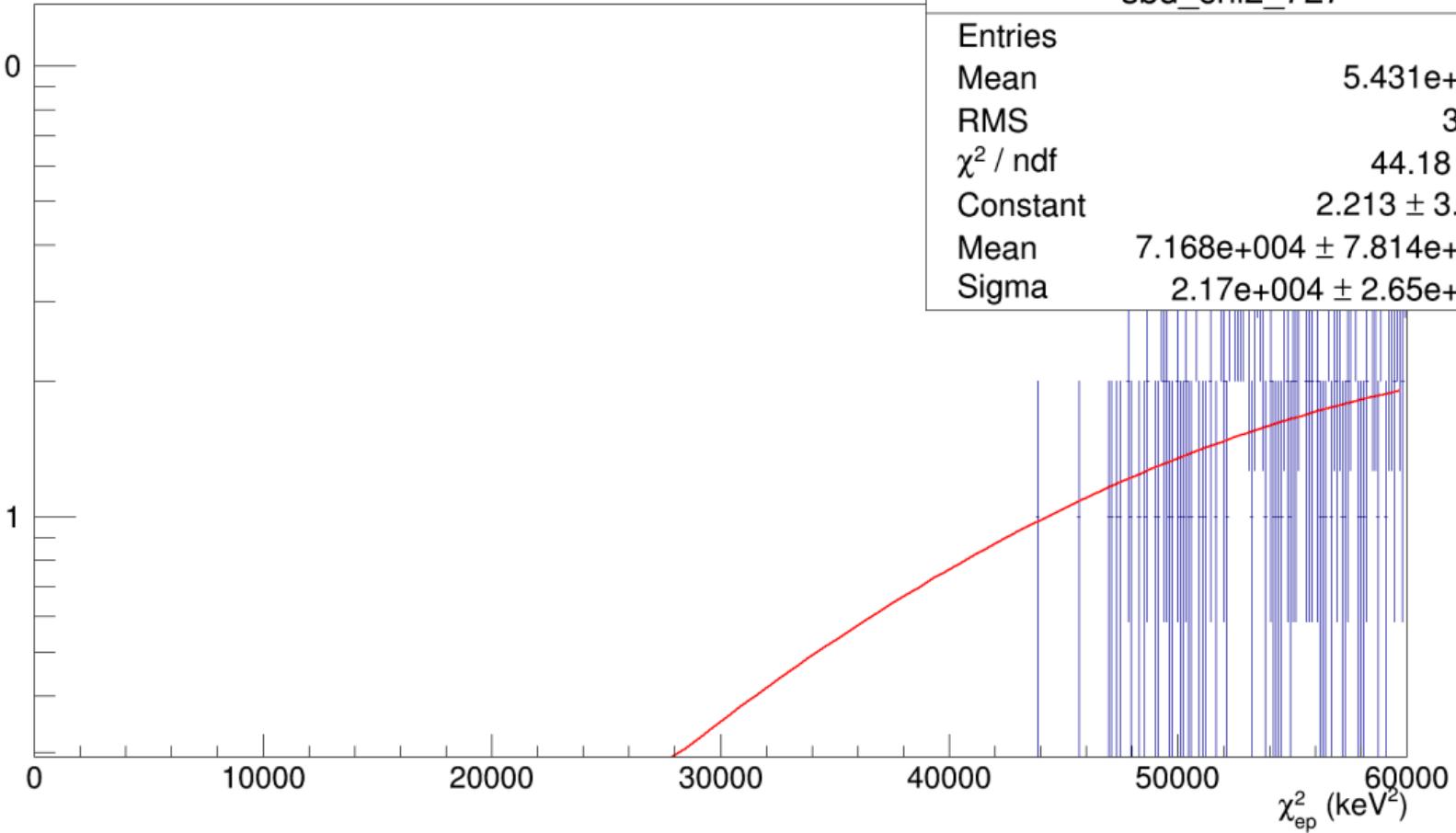
sbd_chi2_725	
Entries	307
Mean	5.429e+004
RMS	3298
χ^2 / ndf	42.62 / 85
Constant	1.865 ± 0.206
Mean	5.496e+004 ± 1.758e+003
Sigma	7388 ± 2855.0

χ^2_{ep} from 726.00 keV to 727.00 keV



χ^2_{ep} from 727.00 keV to 728.00 keV

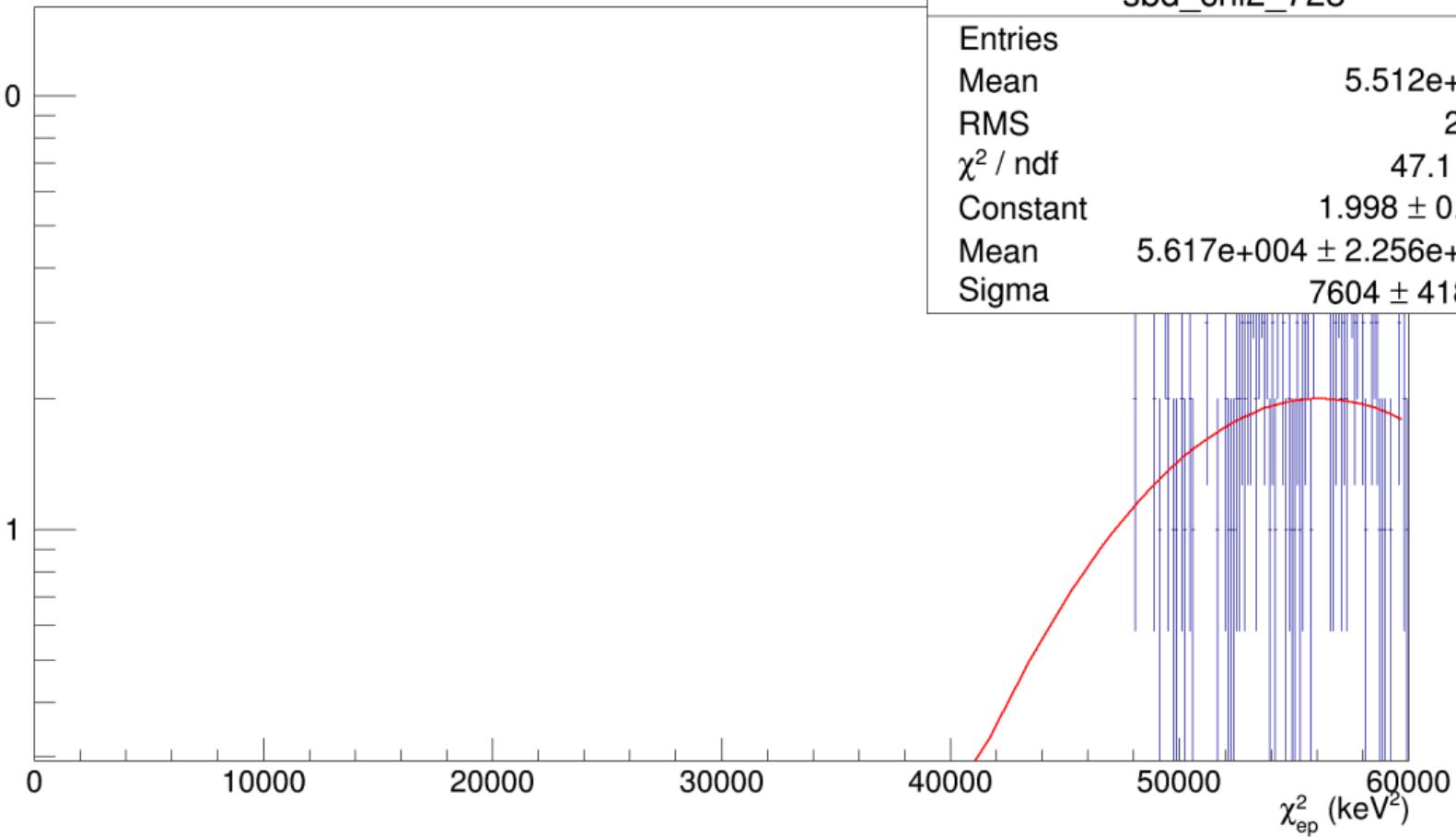
probability



sbd_chi2_727	
Entries	297
Mean	5.431e+004
RMS	3658
χ^2 / ndf	44.18 / 86
Constant	2.213 ± 3.318
Mean	7.168e+004 ± 7.814e+004
Sigma	2.17e+004 ± 2.65e+004

χ^2_{ep} from 728.00 keV to 729.00 keV

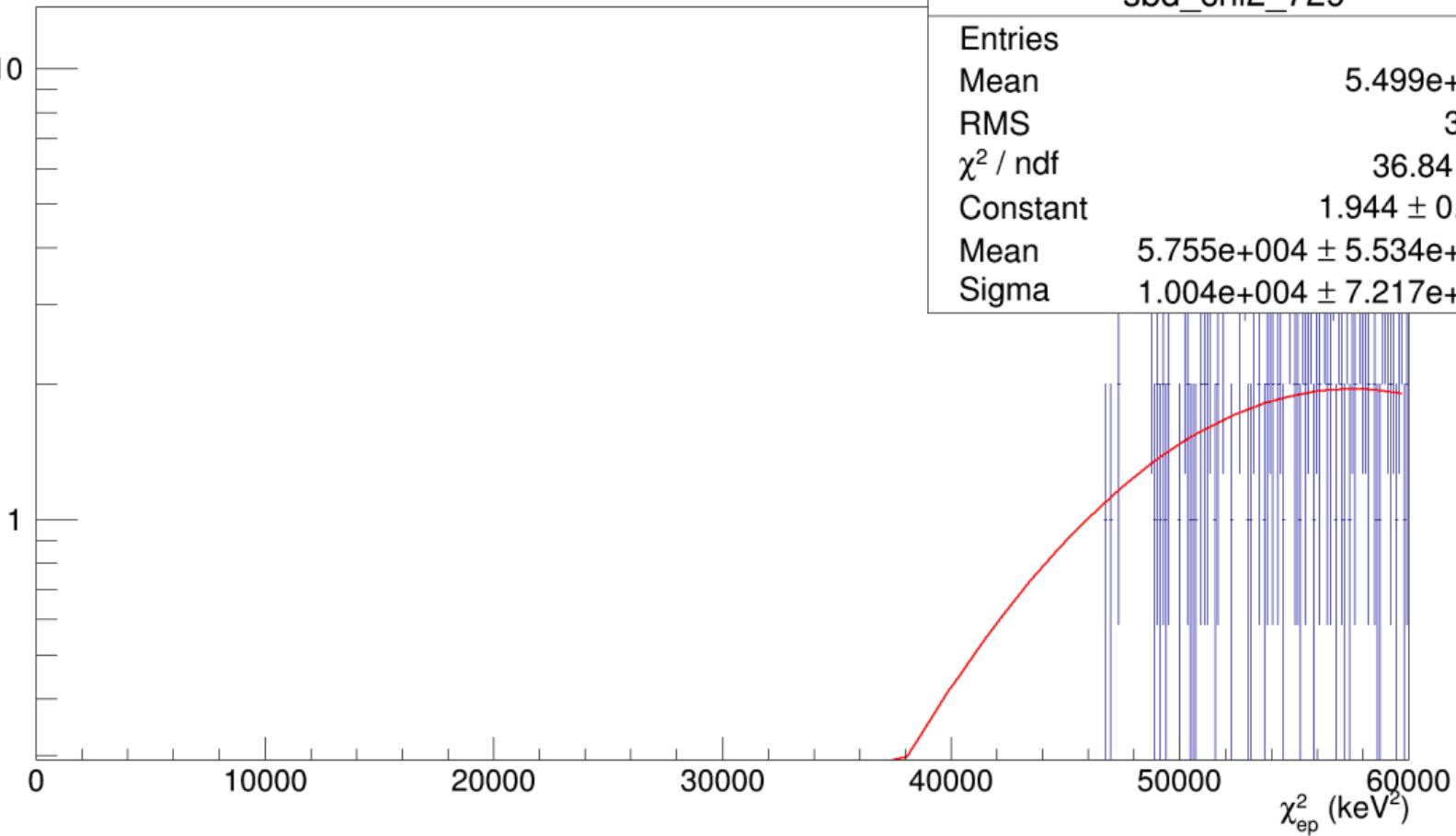
probability



sbd_chi2_728	
Entries	292
Mean	5.512e+004
RMS	2993
χ^2 / ndf	47.1 / 67
Constant	1.998 ± 0.238
Mean	$5.617e+004 \pm 2.256e+003$
Sigma	7604 ± 4188.9

χ^2_{ep} from 729.00 keV to 730.00 keV

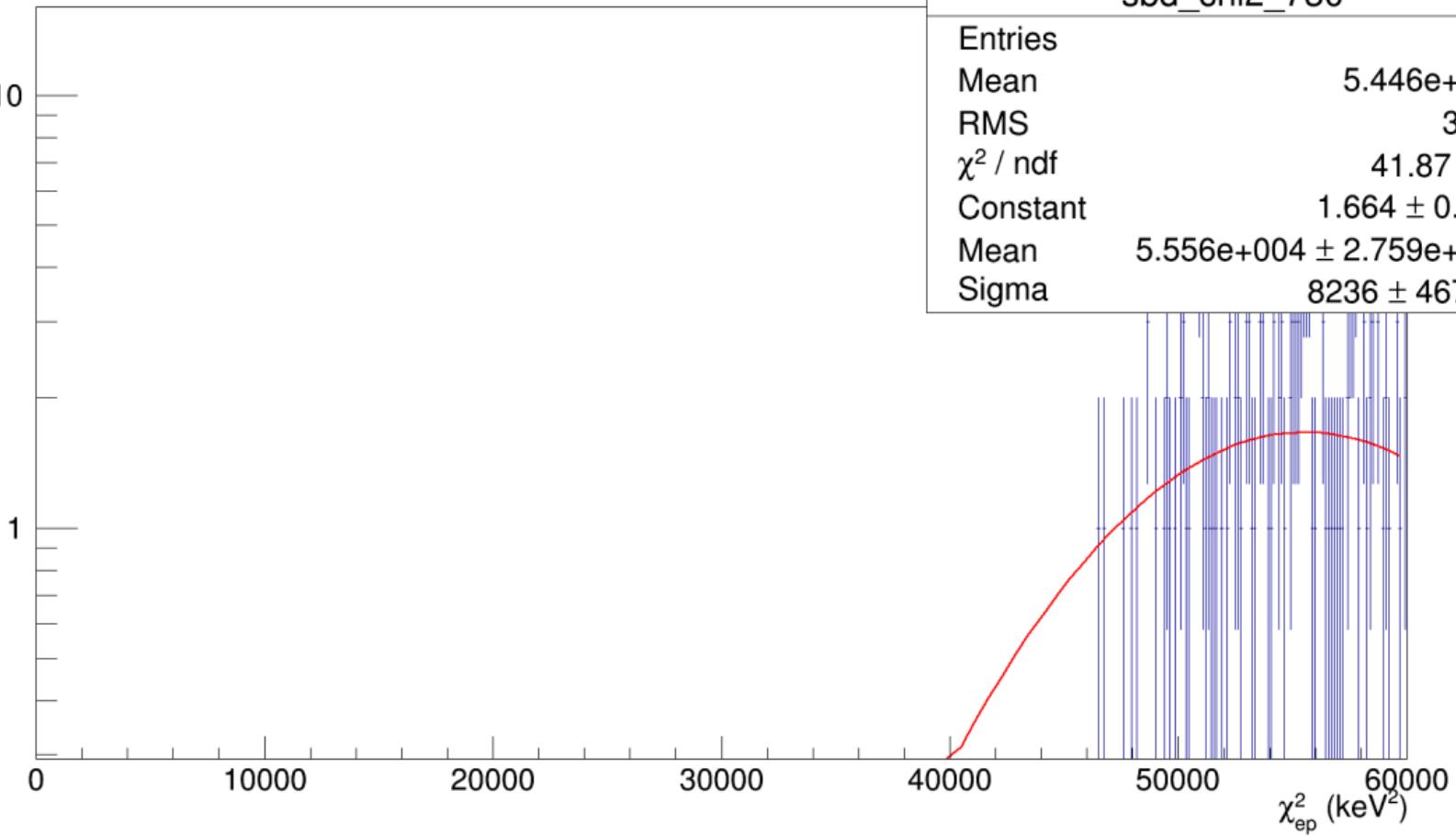
probability



sbd_chi2_729	
Entries	273
Mean	5.499e+004
RMS	3362
χ^2 / ndf	36.84 / 74
Constant	1.944 ± 0.213
Mean	5.755e+004 ± 5.534e+003
Sigma	1.004e+004 ± 7.217e+003

χ^2_{ep} from 730.00 keV to 731.00 keV

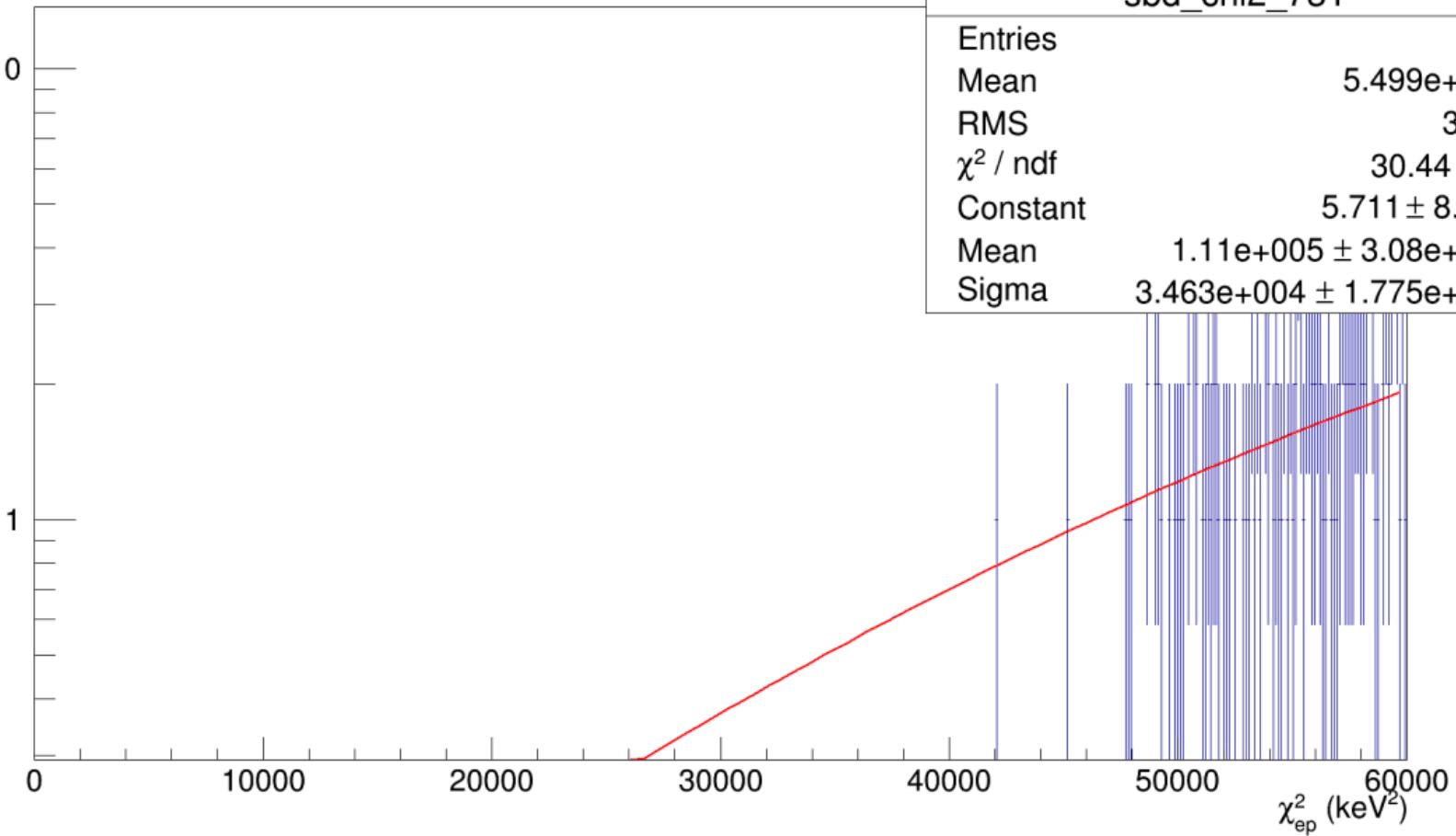
probability



sbd_chi2_730	
Entries	260
Mean	5.446e+004
RMS	3148
χ^2 / ndf	41.87 / 72
Constant	1.664 ± 0.203
Mean	5.556e+004 ± 2.759e+003
Sigma	8236 ± 4677.2

χ^2_{ep} from 731.00 keV to 732.00 keV

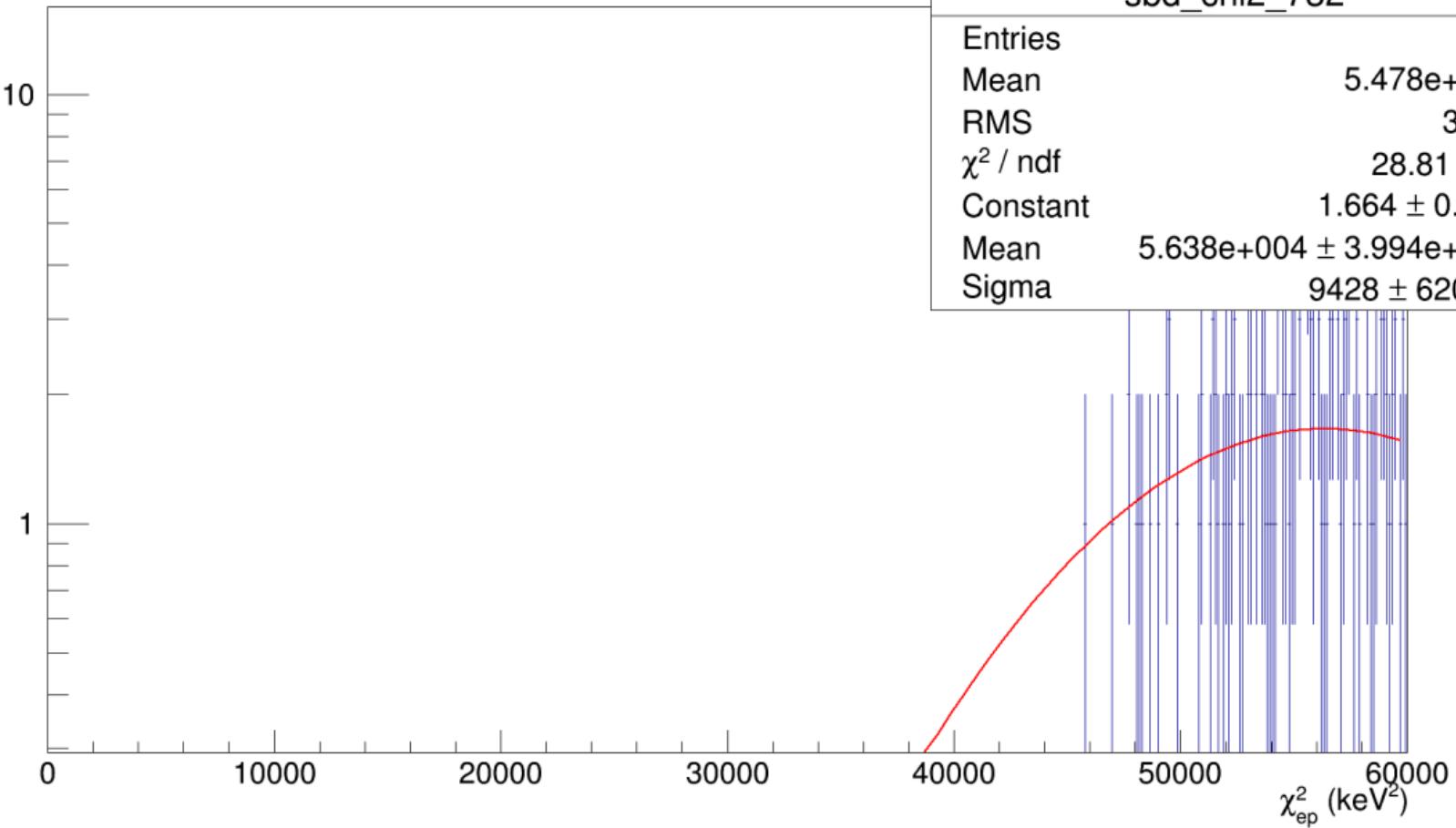
probability



sbd_chi2_731	
Entries	265
Mean	5.499e+004
RMS	3463
χ^2 / ndf	30.44 / 80
Constant	5.711 ± 8.243
Mean	1.11e+005 ± 3.08e+004
Sigma	3.463e+004 ± 1.775e+004

χ^2_{ep} from 732.00 keV to 733.00 keV

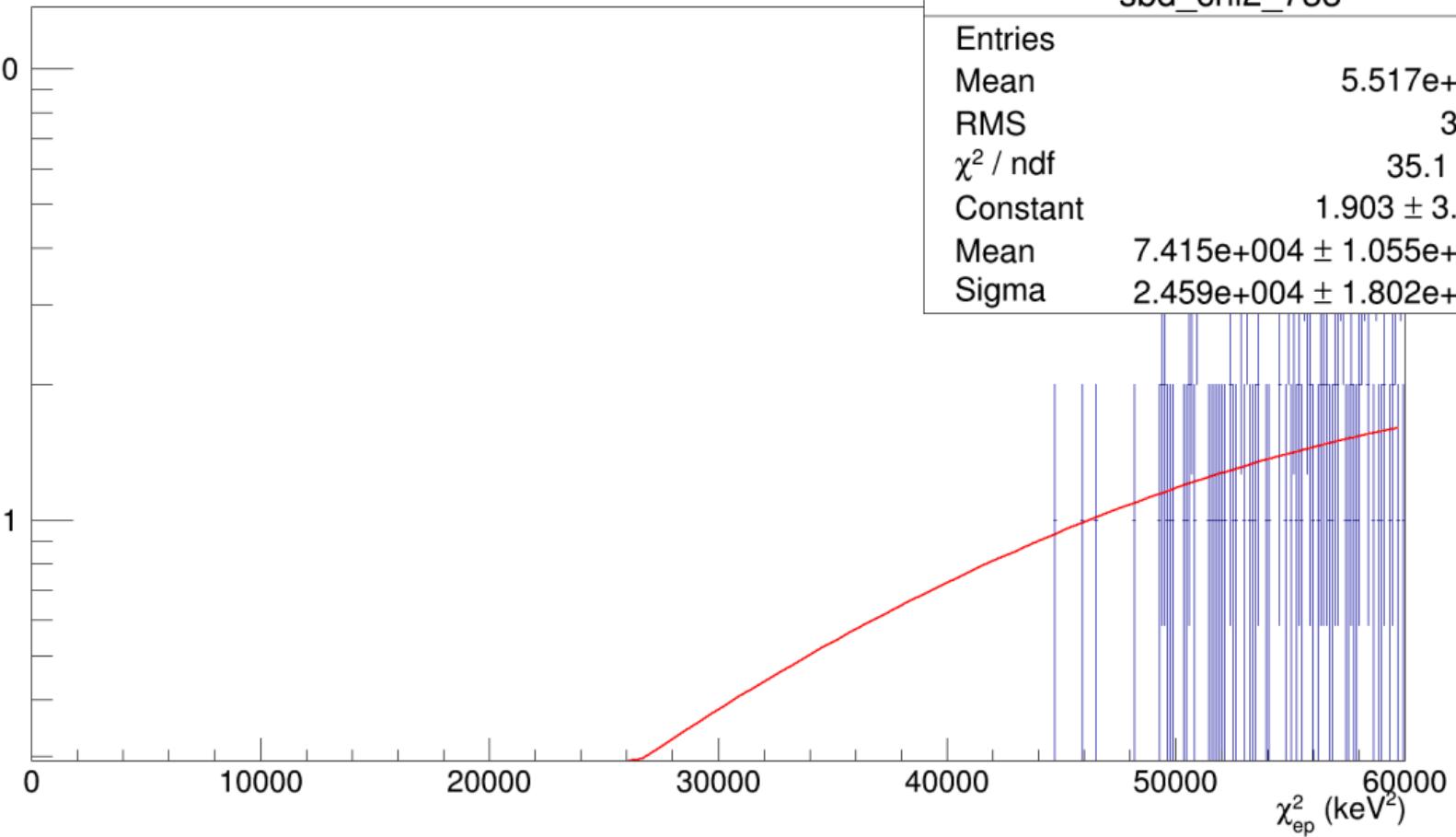
probability



sbd_chi2_732	
Entries	274
Mean	5.478e+004
RMS	3292
χ^2 / ndf	28.81 / 68
Constant	1.664 ± 0.198
Mean	5.638e+004 ± 3.994e+003
Sigma	9428 ± 6206.9

χ^2_{ep} from 733.00 keV to 734.00 keV

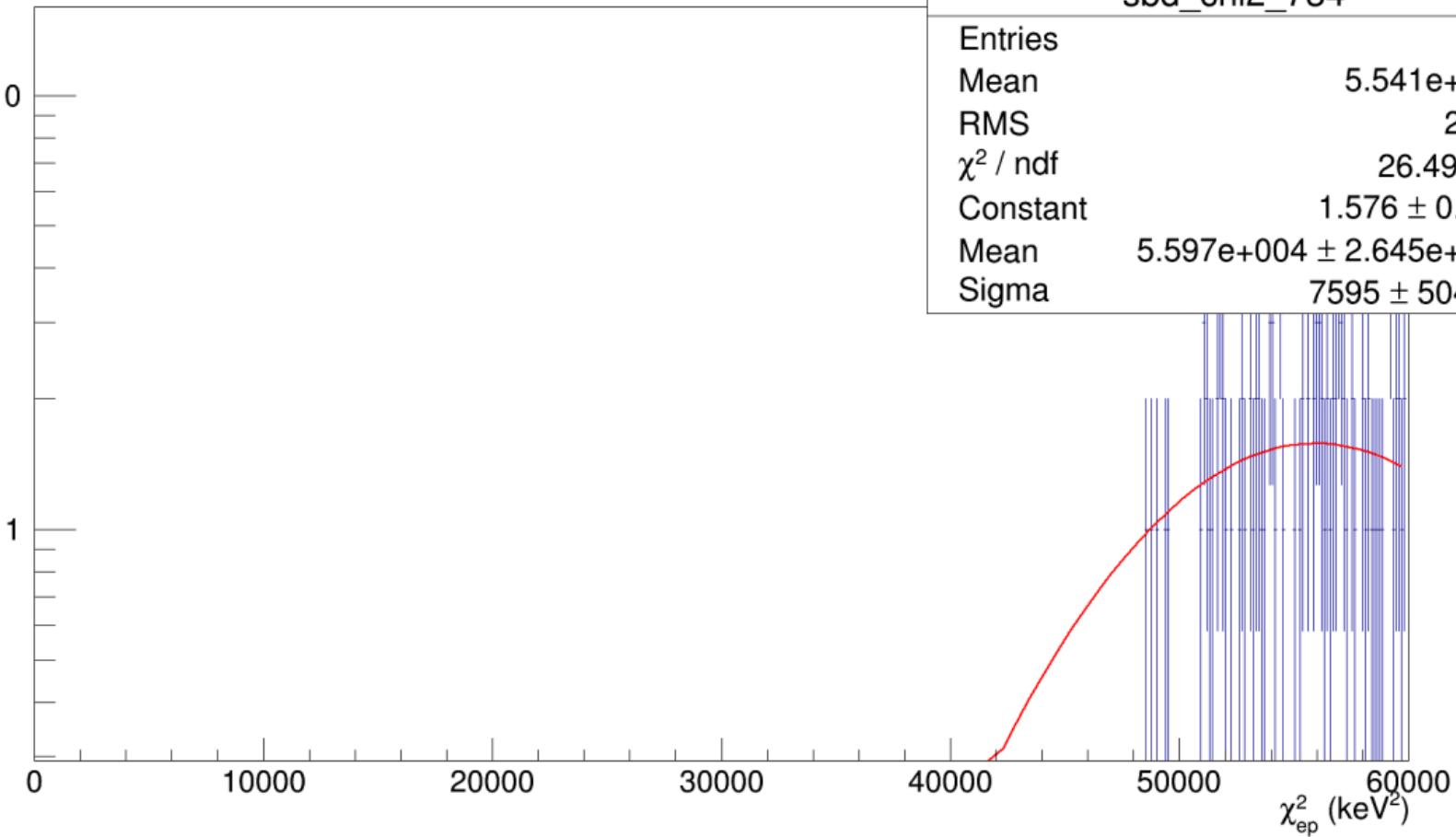
probability



sbd_chi2_733	
Entries	268
Mean	5.517e+004
RMS	3394
χ^2 / ndf	35.1 / 74
Constant	1.903 ± 3.343
Mean	7.415e+004 ± 1.055e+005
Sigma	2.459e+004 ± 1.802e+004

χ^2_{ep} from 734.00 keV to 735.00 keV

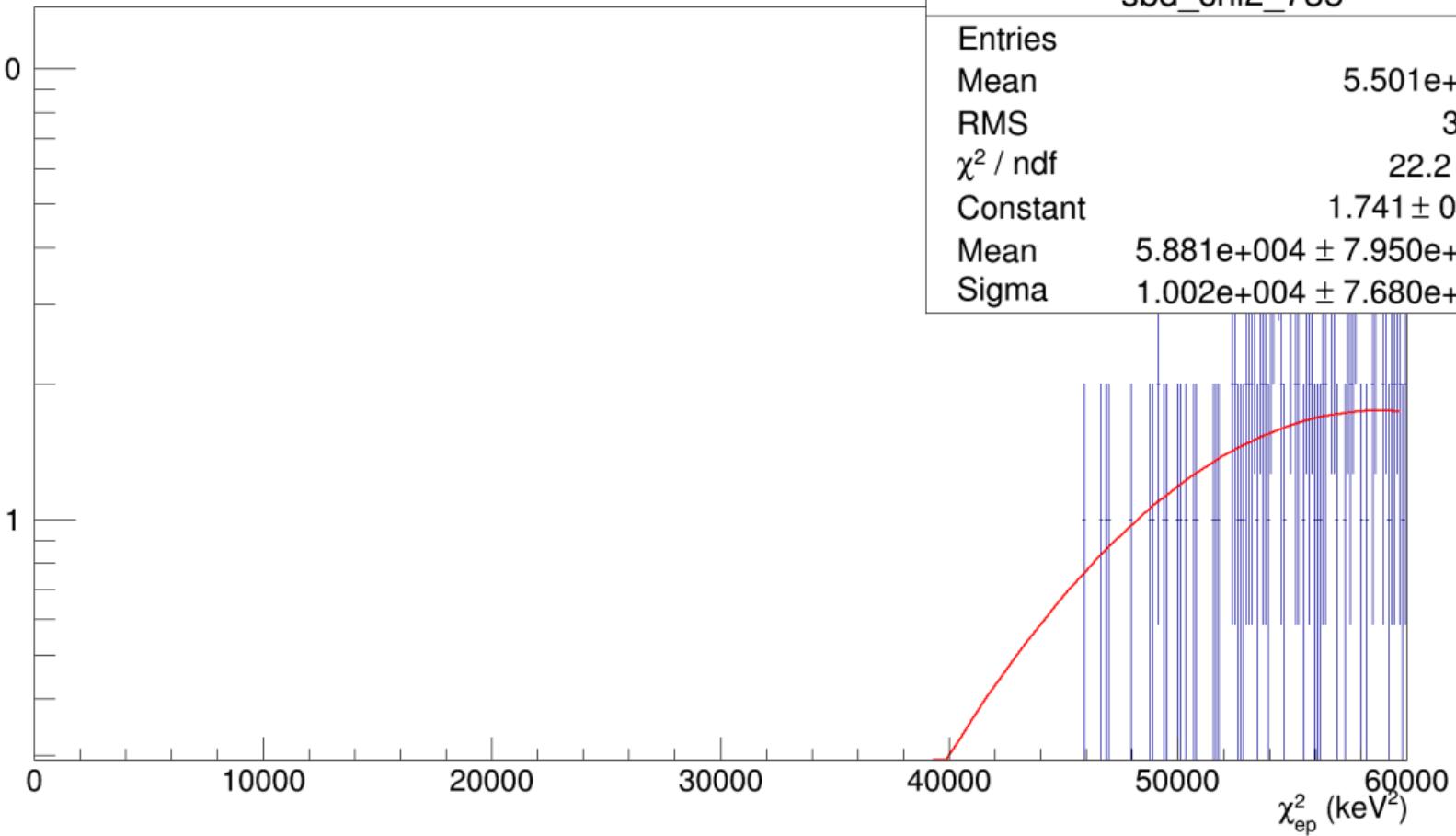
probability



sbd_chi2_734	
Entries	225
Mean	5.541e+004
RMS	2943
χ^2 / ndf	26.49 / 61
Constant	1.576 ± 0.219
Mean	5.597e+004 ± 2.645e+003
Sigma	7595 ± 5044.9

χ^2_{ep} from 735.00 keV to 736.00 keV

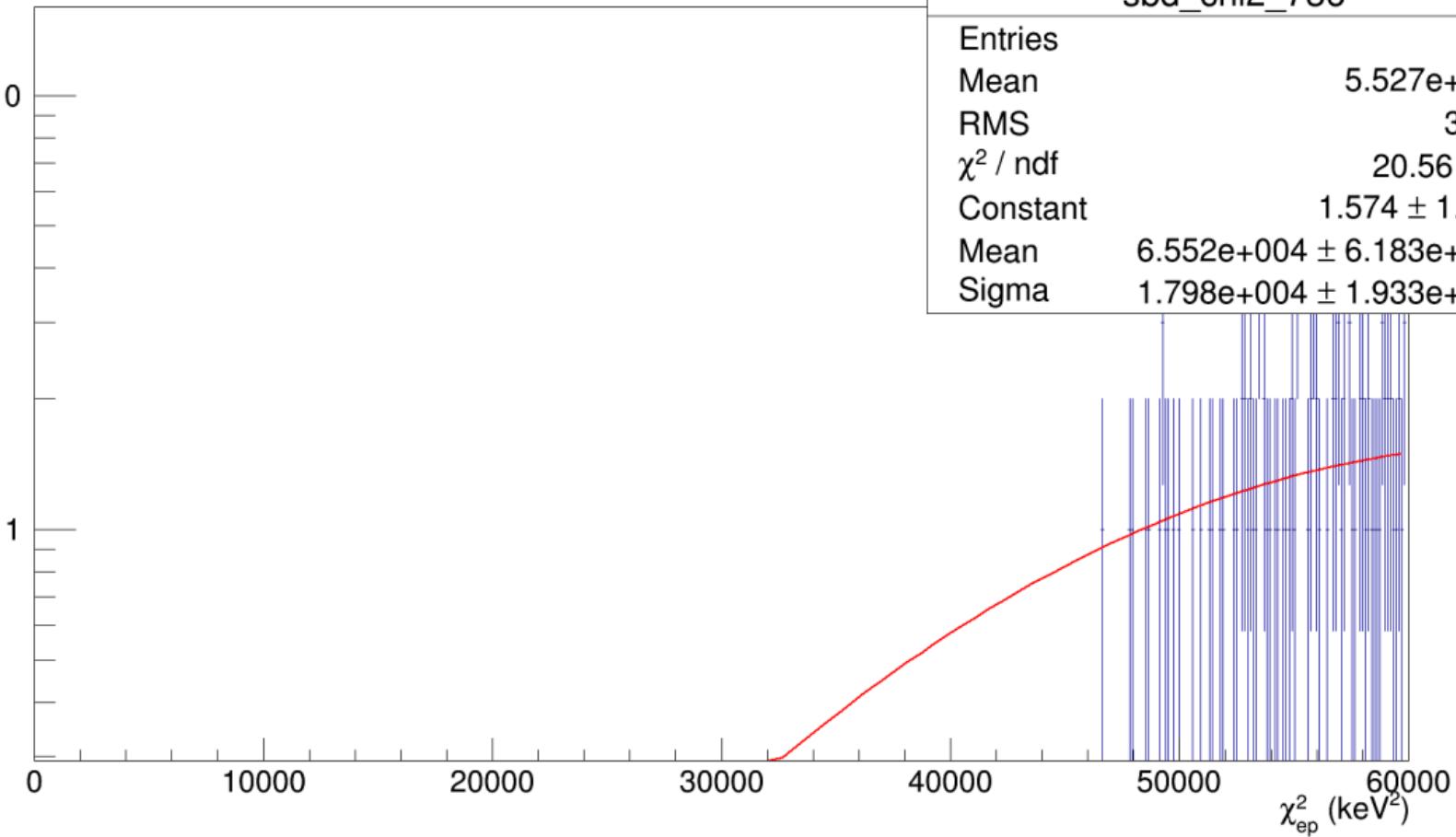
probability



sbd_chi2_735	
Entries	228
Mean	5.501e+004
RMS	3253
χ^2 / ndf	22.2 / 67
Constant	1.741 ± 0.291
Mean	$5.881 \text{e+}004 \pm 7.950 \text{e+}003$
Sigma	$1.002 \text{e+}004 \pm 7.680 \text{e+}003$

χ^2_{ep} from 736.00 keV to 737.00 keV

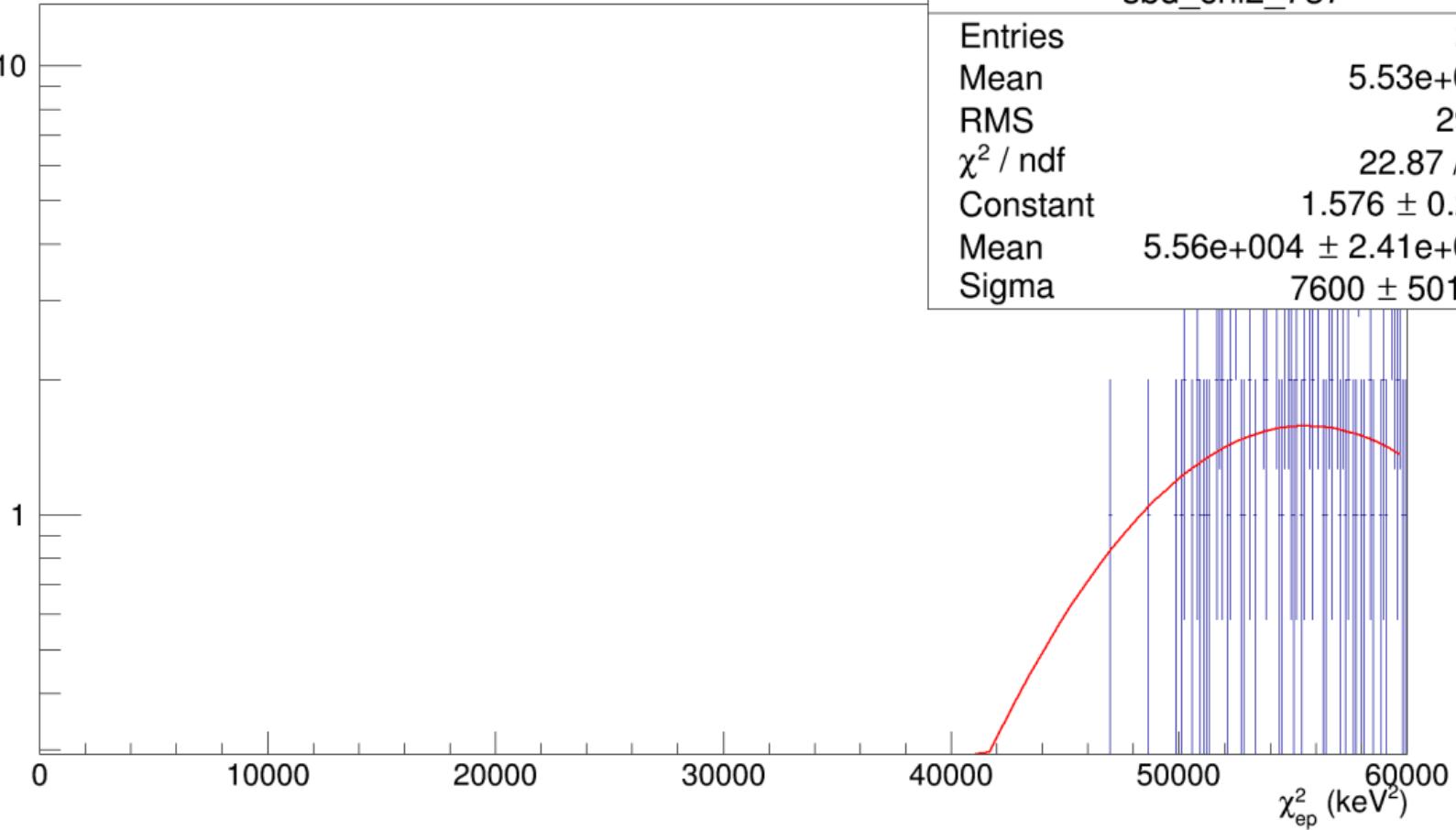
probability



sbd_chi2_736	
Entries	211
Mean	5.527e+004
RMS	3304
χ^2 / ndf	20.56 / 66
Constant	1.574 ± 1.594
Mean	6.552e+004 ± 6.183e+004
Sigma	1.798e+004 ± 1.933e+004

χ^2_{ep} from 737.00 keV to 738.00 keV

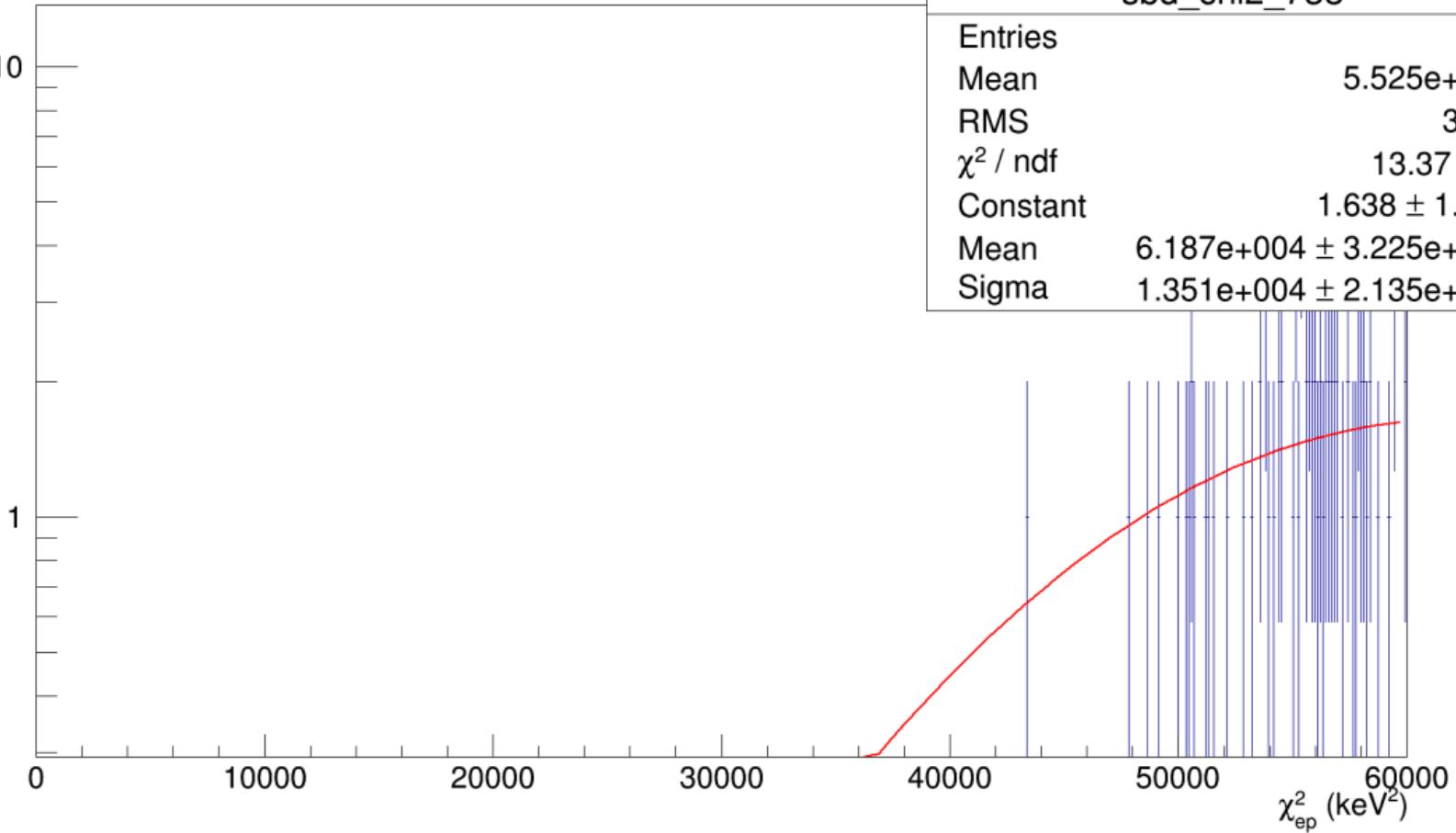
probability



sbd_chi2_737	
Entries	235
Mean	5.53e+004
RMS	2992
χ^2 / ndf	22.87 / 58
Constant	1.576 ± 0.232
Mean	5.56e+004 ± 2.41e+003
Sigma	7600 ± 5012.5

χ^2_{ep} from 738.00 keV to 739.00 keV

probability



sbd_chi2_738	
Entries	181
Mean	5.525e+004
RMS	3024
χ^2 / ndf	13.37 / 47
Constant	1.638 ± 1.006
Mean	$6.187\text{e}+004 \pm 3.225\text{e}+004$
Sigma	$1.351\text{e}+004 \pm 2.135\text{e}+004$

χ^2_{ep} from 739.00 keV to 740.00 keV

probability

10

1

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10000

20000

30000

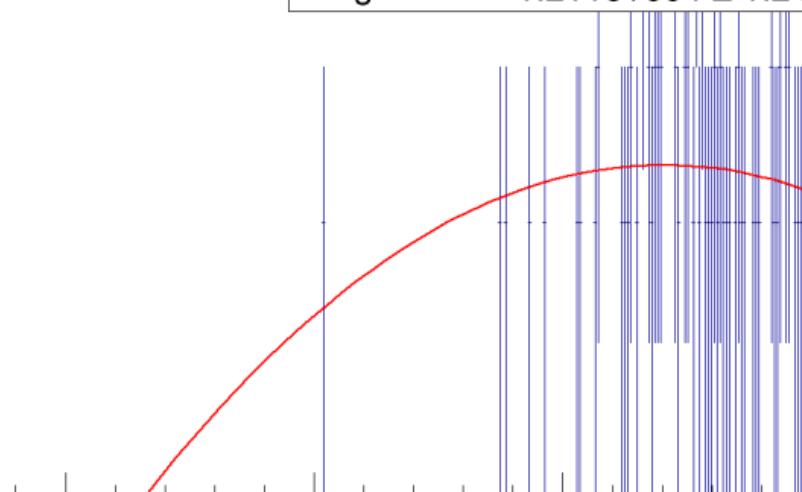
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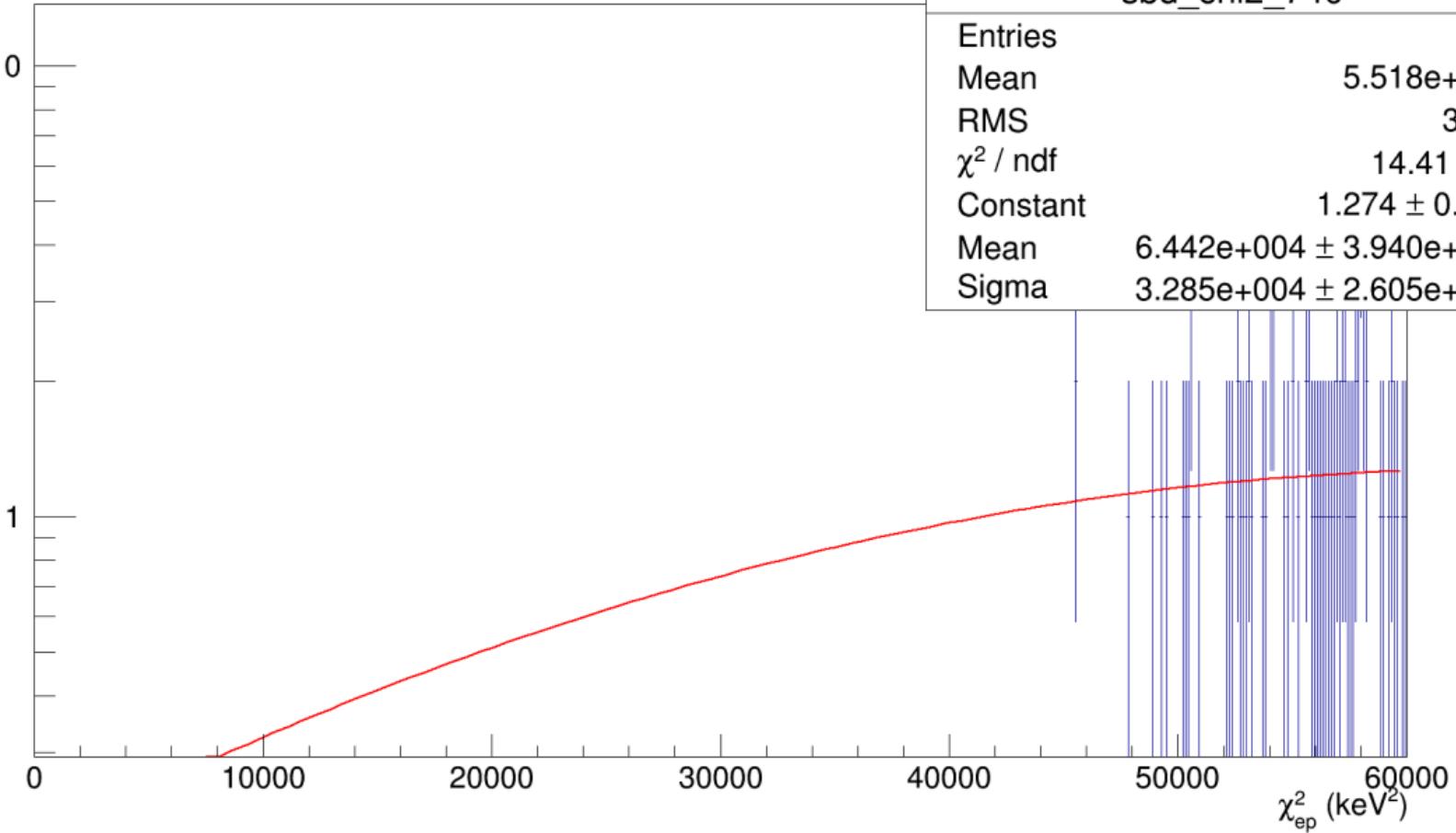
χ^2_{ep} (keV 2)

sbd_chi2_739	
Entries	179
Mean	5.498e+004
RMS	3258
χ^2 / ndf	10.29 / 51
Constant	1.291 ± 0.212
Mean	5.407e+004 ± 5.472e+003
Sigma	1.211e+004 ± 1.244e+004



χ^2_{ep} from 740.00 keV to 741.00 keV

probability



sbd_chi2_740	
Entries	191
Mean	5.518e+004
RMS	3285
χ^2 / ndf	14.41 / 55
Constant	1.274 ± 0.459
Mean	6.442e+004 ± 3.940e+004
Sigma	3.285e+004 ± 2.605e+004

χ^2_{ep} from 741.00 keV to 742.00 keV

probability

10

1

0

10000

20000

30000

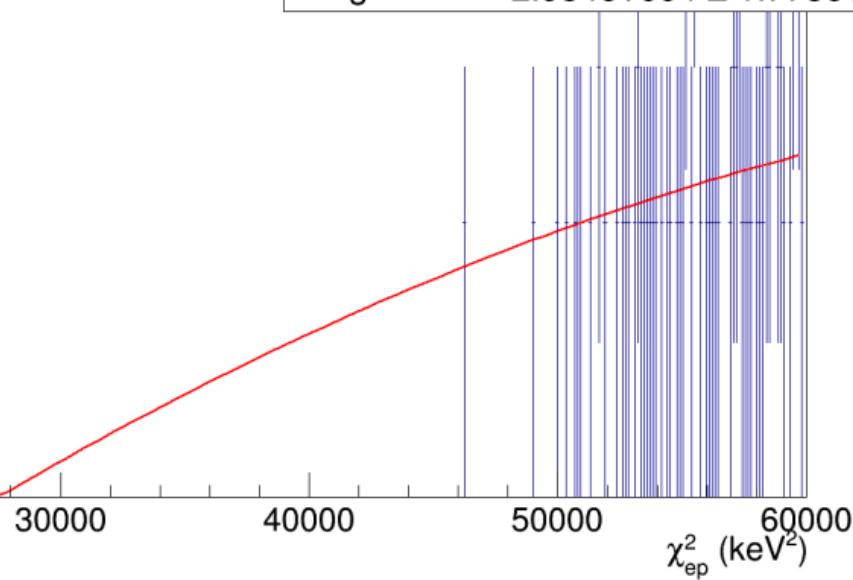
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χ^2_{ep} (keV 2)

sbd_chi2_741	
Entries	182
Mean	5.554e+004
RMS	2981
χ^2 / ndf	9.844 / 54
Constant	1.975 ± 2.695
Mean	8.584e+004 ± 3.970e+004
Sigma	2.984e+004 ± 1.773e+004



χ^2_{ep} from 742.00 keV to 743.00 keV

probability

10

1

0

10000

20000

30000

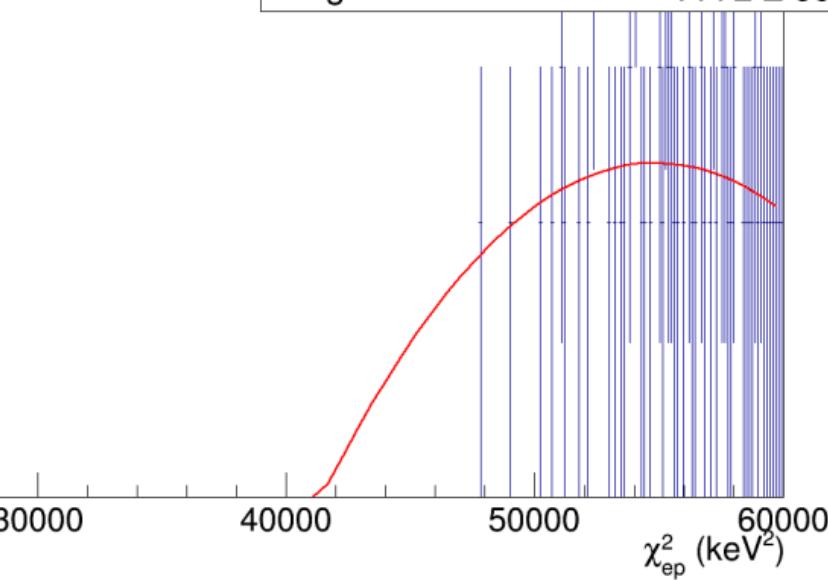
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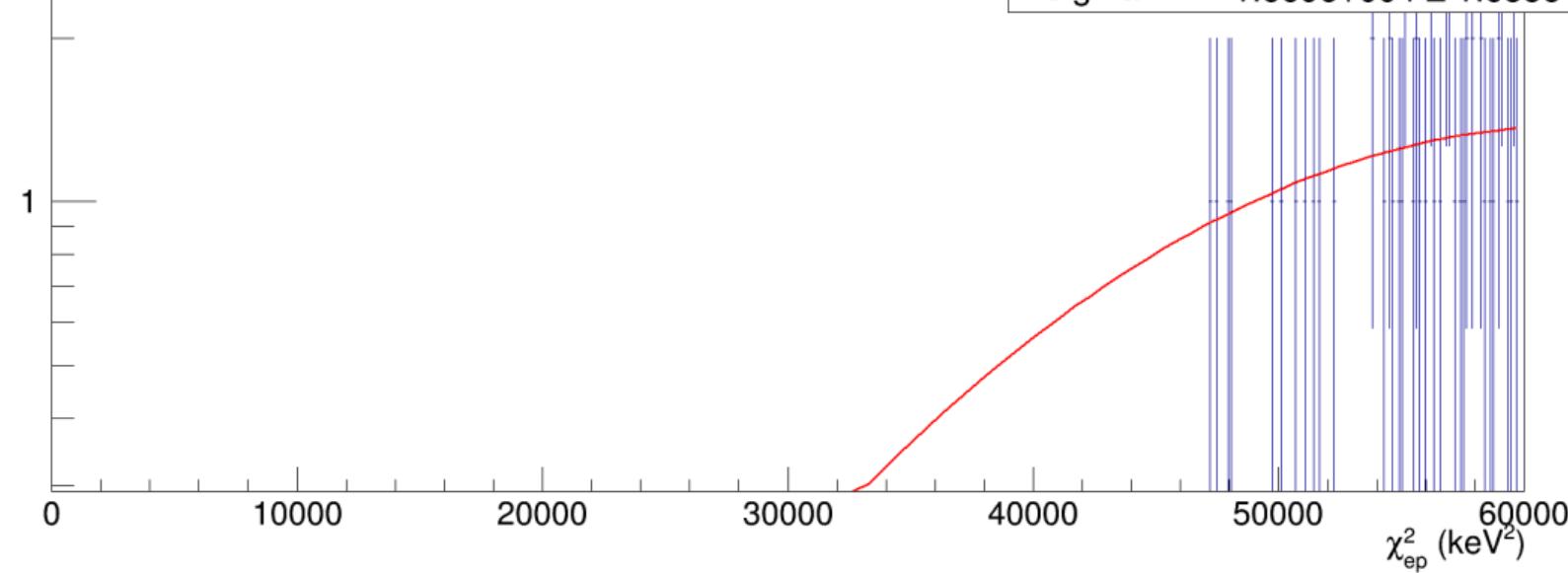
χ^2_{ep} (keV 2)

sbd_chi2_742	
Entries	160
Mean	5.572e+004
RMS	2790
χ^2 / ndf	10.09 / 50
Constant	1.304 ± 0.230
Mean	5.488e+004 ± 2.642e+003
Sigma	7772 ± 6043.9



χ^2_{ep} from 743.00 keV to 744.00 keV

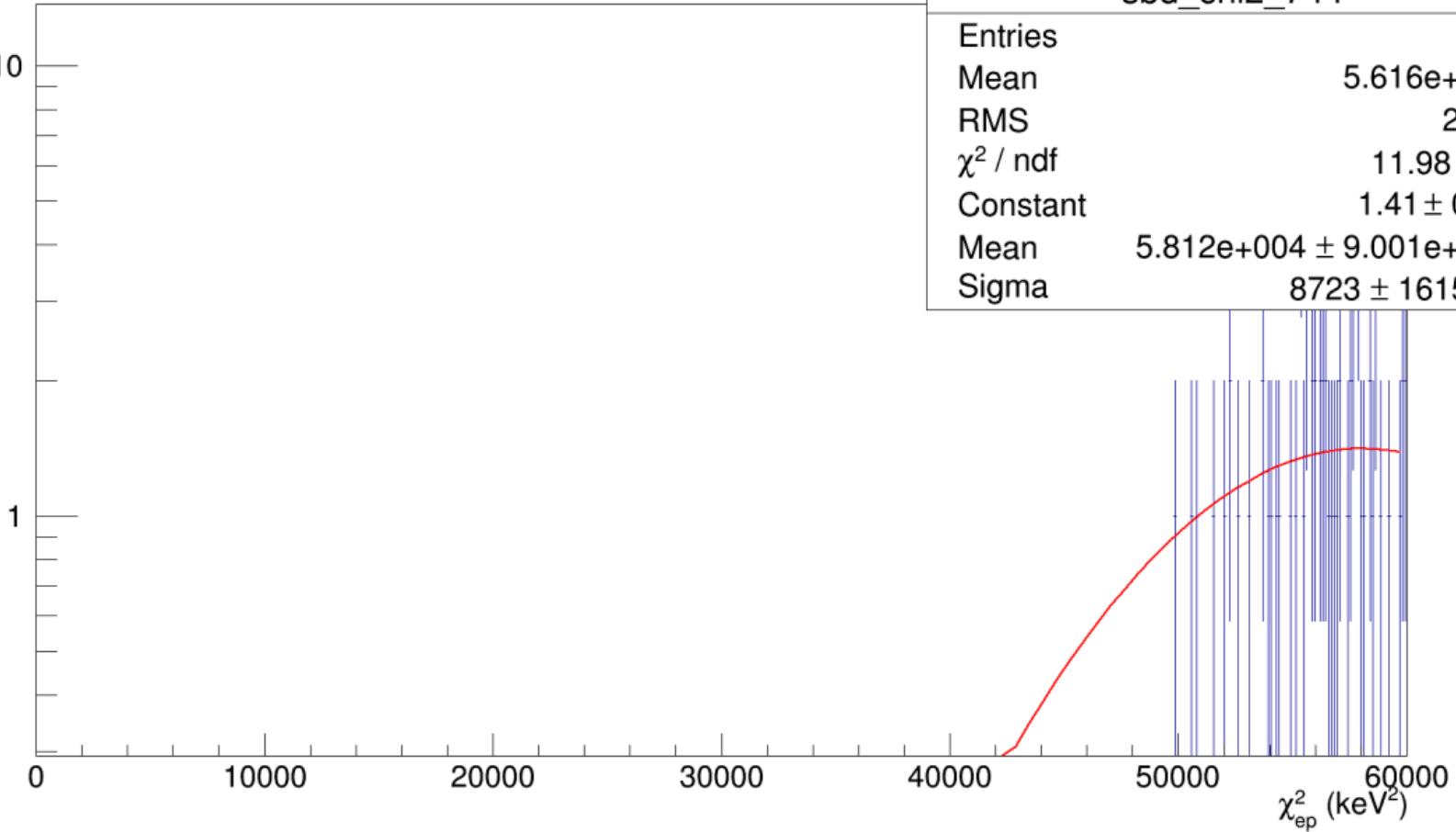
probability



sbd_chi2_743	
Entries	153
Mean	5.57e+004
RMS	3269
χ^2 / ndf	9.223 / 39
Constant	1.381 ± 0.975
Mean	$6.242\text{e}+004 \pm 5.358\text{e}+004$
Sigma	$1.669\text{e}+004 \pm 1.655\text{e}+004$

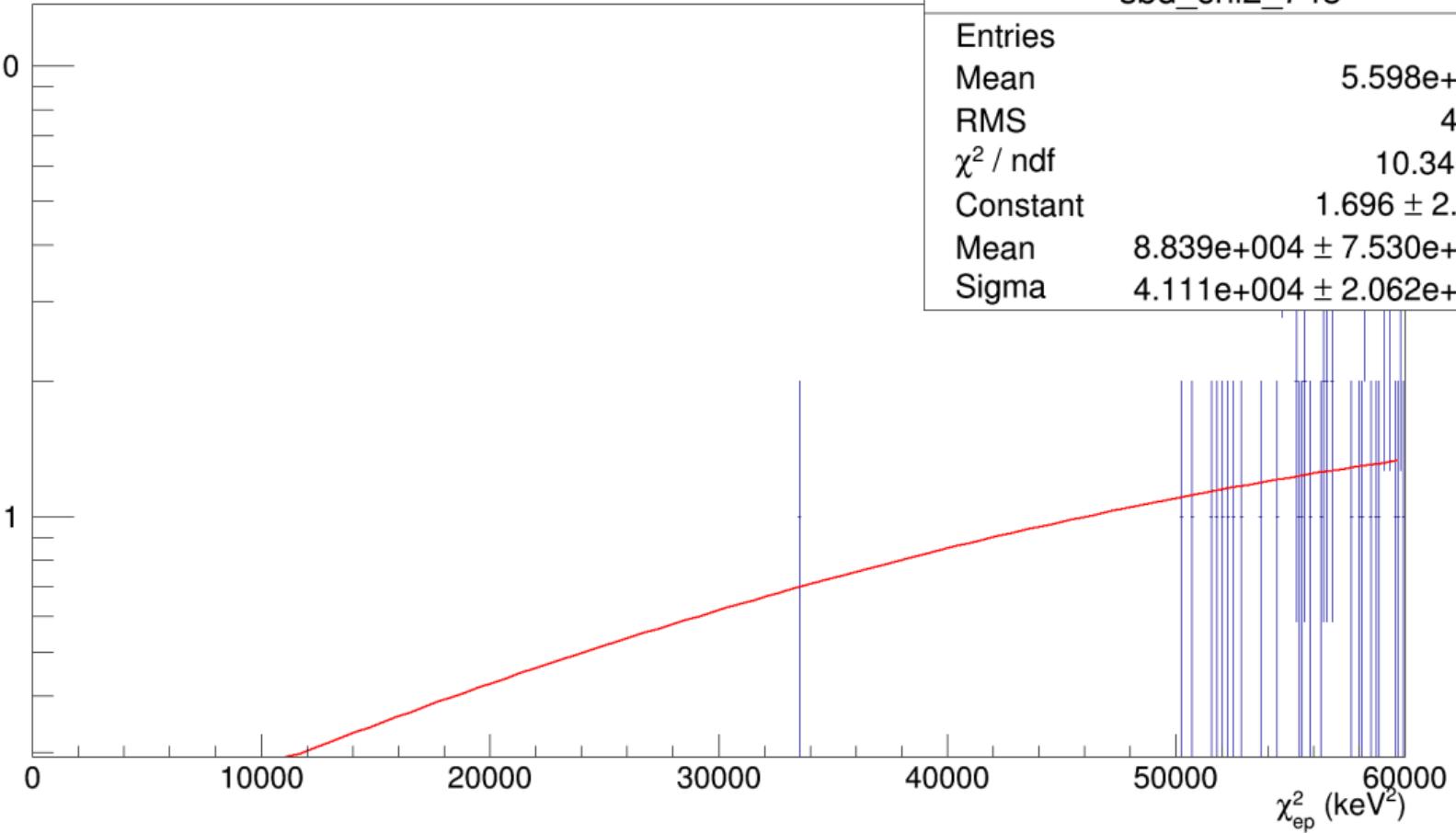
χ^2_{ep} from 744.00 keV to 745.00 keV

probability



χ^2_{ep} from 745.00 keV to 746.00 keV

probability



sbd_chi2_745	
Entries	132
Mean	5.598e+004
RMS	4104
χ^2 / ndf	10.34 / 31
Constant	1.696 ± 2.483
Mean	8.839e+004 ± 7.530e+004
Sigma	4.111e+004 ± 2.062e+004

χ^2_{ep} from 746.00 keV to 747.00 keV

probability

10

1

0

10000

20000

30000

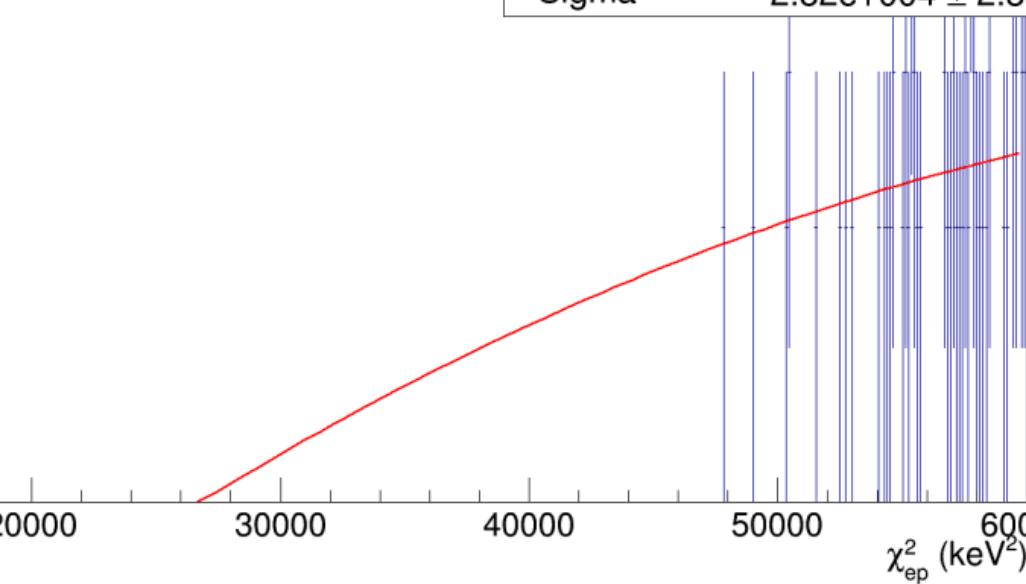
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50000

60000

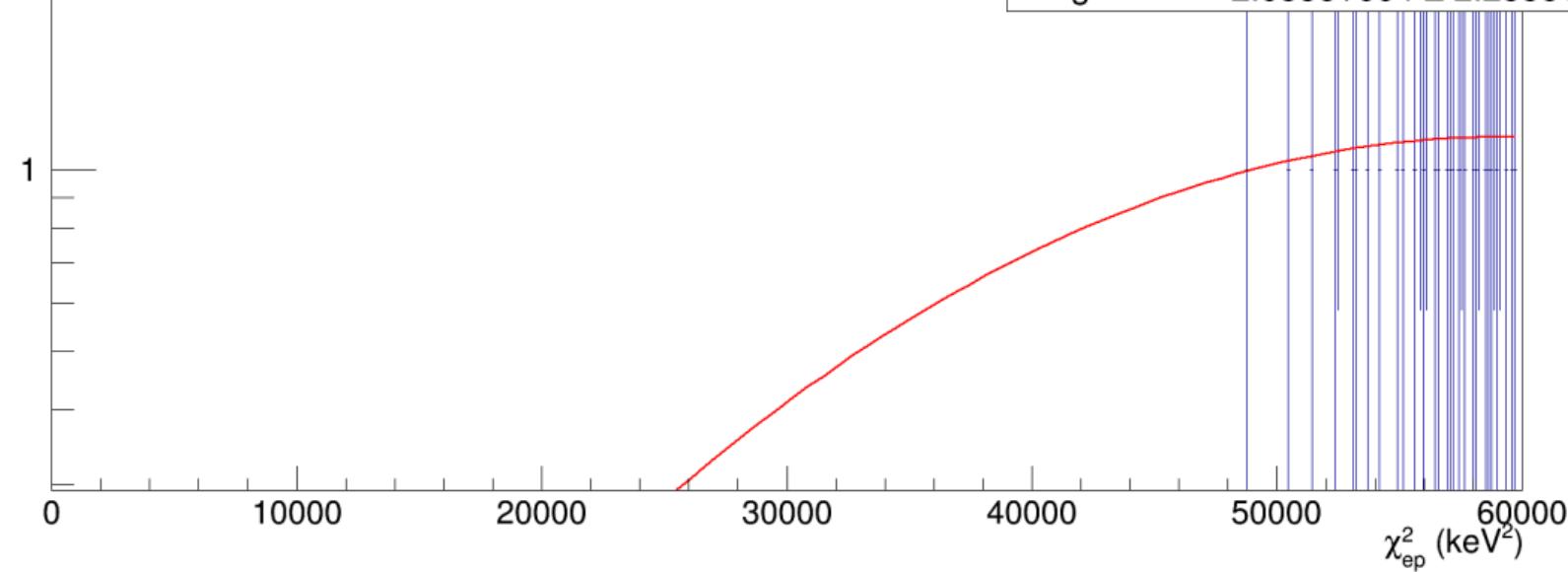
χ^2_{ep} (keV 2)

sbd_chi2_746	
Entries	169
Mean	5.62e+004
RMS	2826
χ^2 / ndf	7.83 / 39
Constant	1.841 ± 2.395
Mean	8.085e+004 ± 4.163e+004
Sigma	2.82e+004 ± 2.35e+004



χ^2_{ep} from 747.00 keV to 748.00 keV

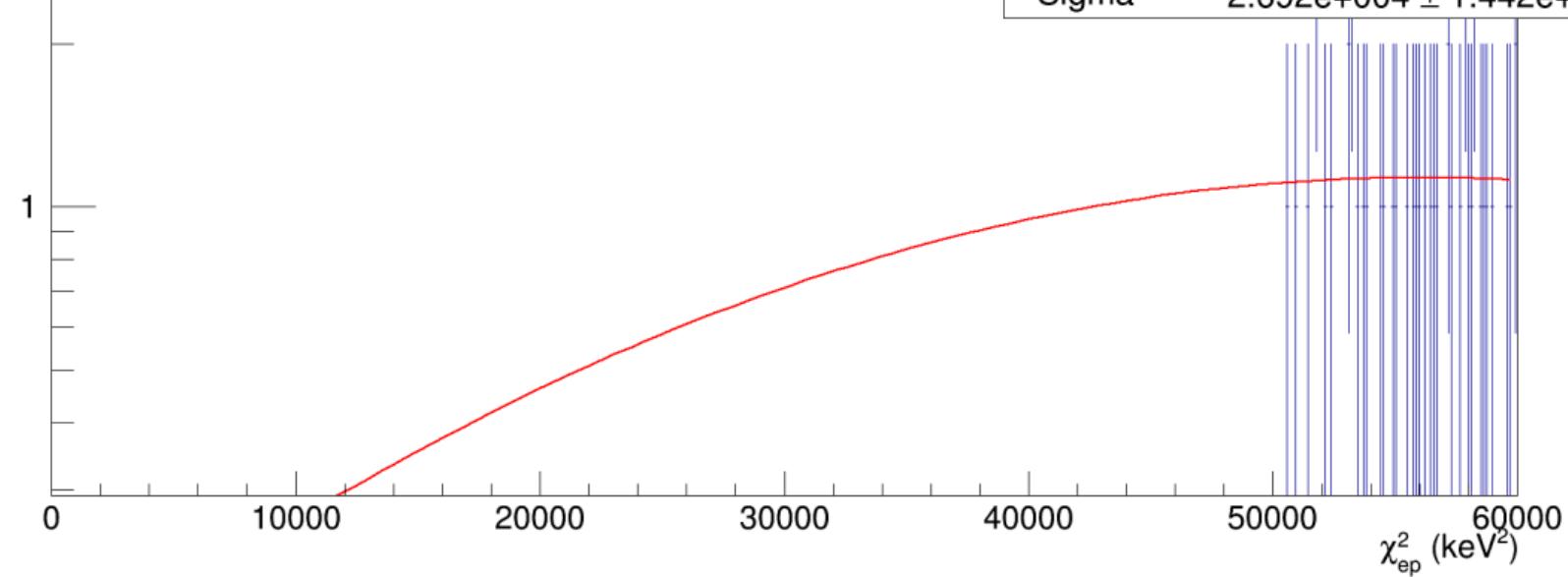
probability



sbd_chi2_747	
Entries	141
Mean	5.63e+004
RMS	2665
χ^2 / ndf	3.076 / 32
Constant	1.135 ± 0.376
Mean	5.935e+004 ± 8.597e+004
Sigma	2.055e+004 ± 2.255e+004

χ^2_{ep} from 748.00 keV to 749.00 keV

probability



sbd_chi2_748	
Entries	147
Mean	5.574e+004
RMS	2688
χ^2 / ndf	6.317 / 34
Constant	1.132 ± 0.177
Mean	5.609e+004 ± 4.431e+004
Sigma	2.692e+004 ± 1.442e+004

χ^2_{ep} from 749.00 keV to 750.00 keV

probability

10

1

0

10000

20000

30000

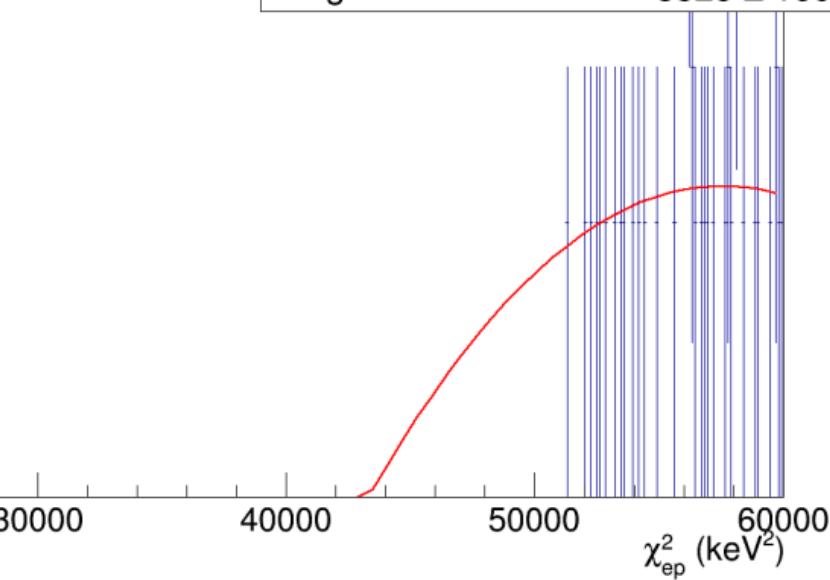
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χ^2_{ep} (keV 2)

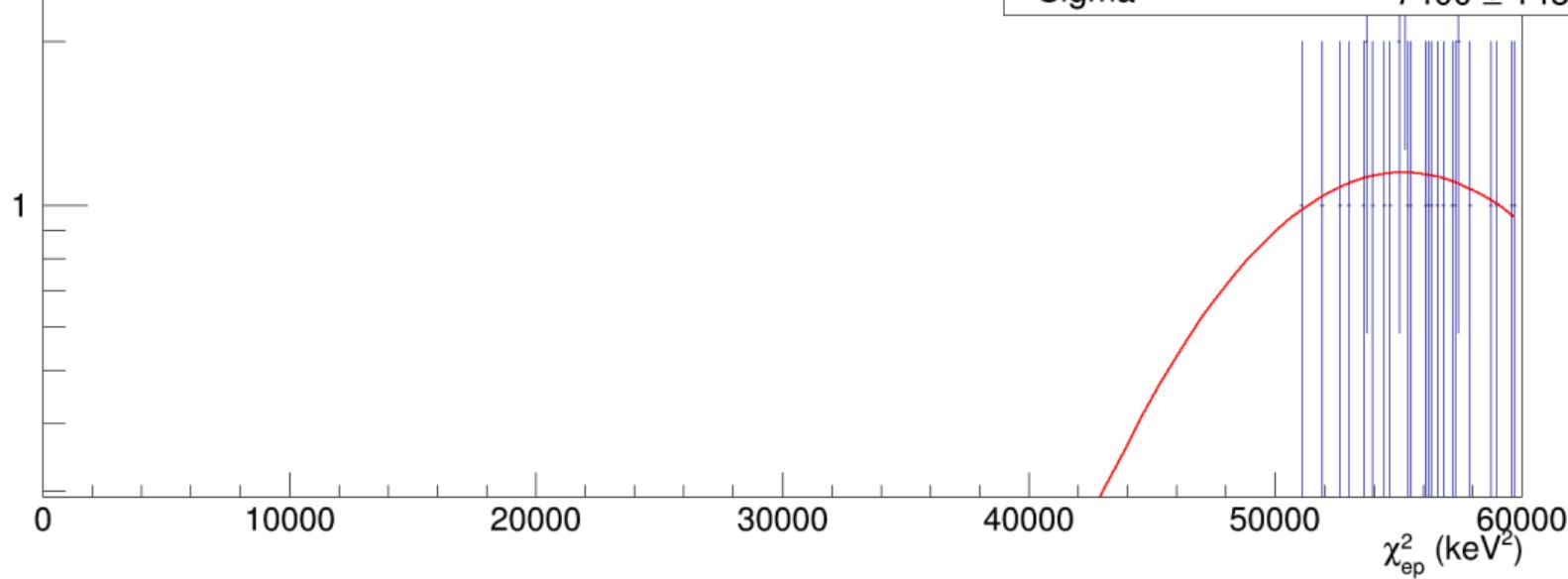
sbd_chi2_749	
Entries	138
Mean	5.623e+004
RMS	2436
χ^2 / ndf	4.611 / 29
Constant	1.176 ± 0.264
Mean	5.756e+004 ± 8.719e+003
Sigma	8525 ± 16058.0



χ^2_{ep} from 750.00 keV to 751.00 keV

probability

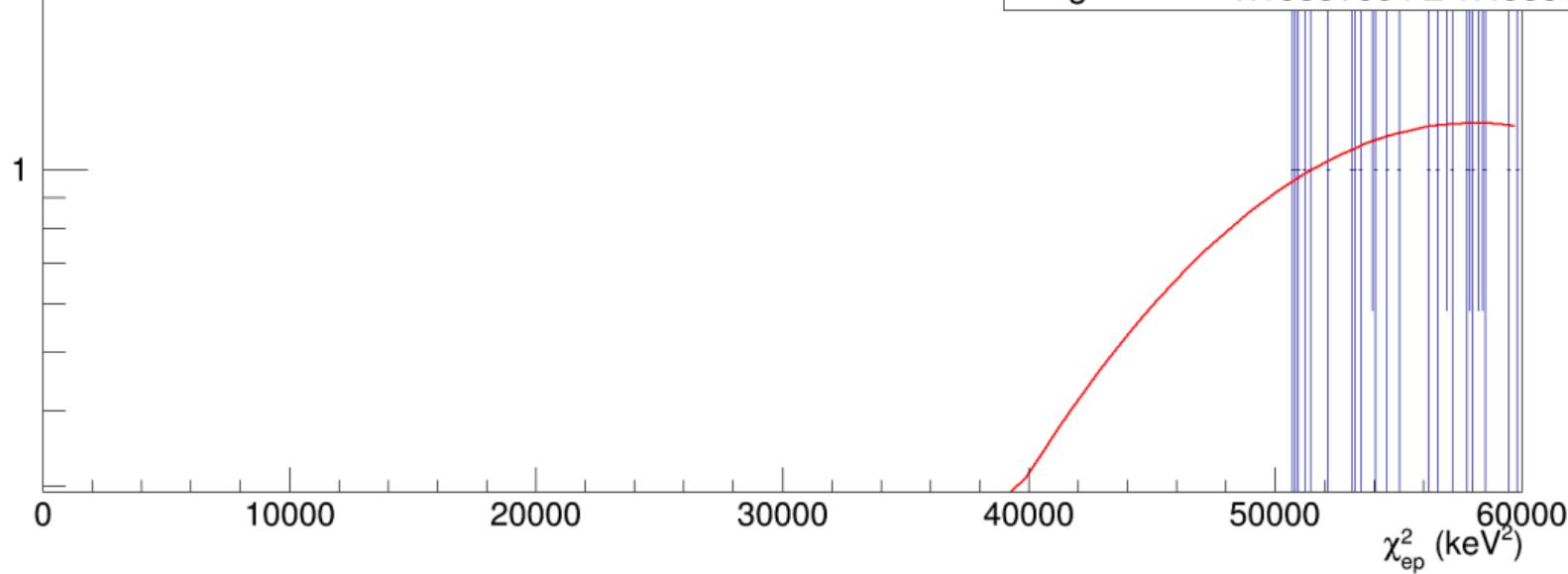
sbd_chi2_750	
Entries	118
Mean	5.567e+004
RMS	2135
χ^2 / ndf	2.55 / 23
Constant	1.148 ± 0.286
Mean	5.521e+004 ± 4.802e+003
Sigma	7400 ± 14397.0



χ^2_{ep} from 751.00 keV to 752.00 keV

probability

sbd_chi2_751	
Entries	117
Mean	5.55e+004
RMS	2840
χ^2 / ndf	2.06 / 22
Constant	1.194 ± 0.310
Mean	5.809e+004 ± 2.033e+004
Sigma	1.106e+004 ± 1.496e+004



χ^2_{ep} from 752.00 keV to 753.00 keV

probability

10

1

0

10000

20000

30000

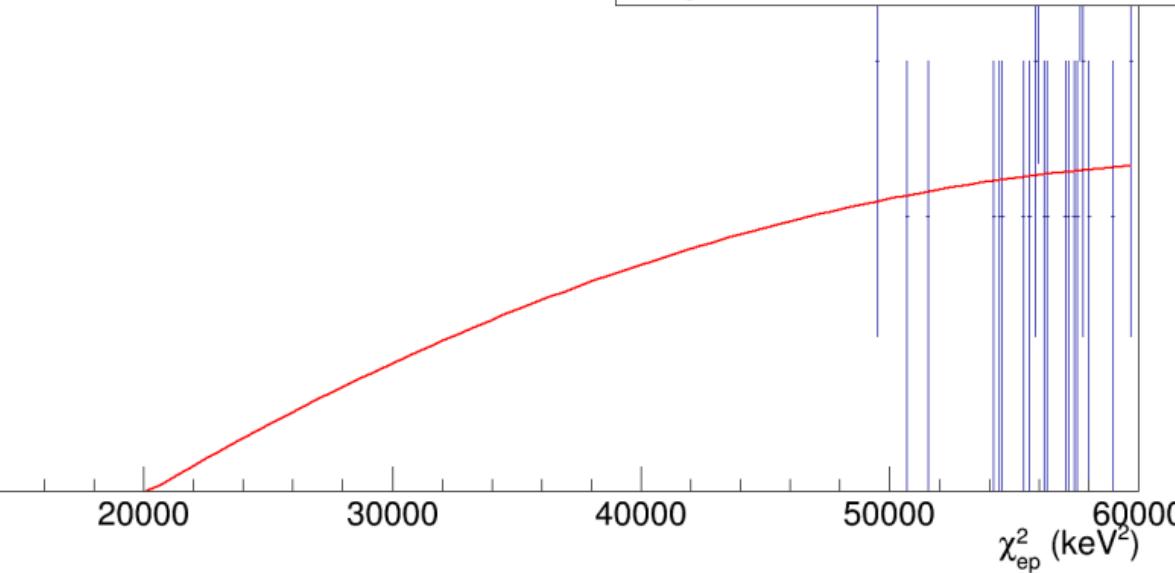
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χ^2_{ep} (keV 2)

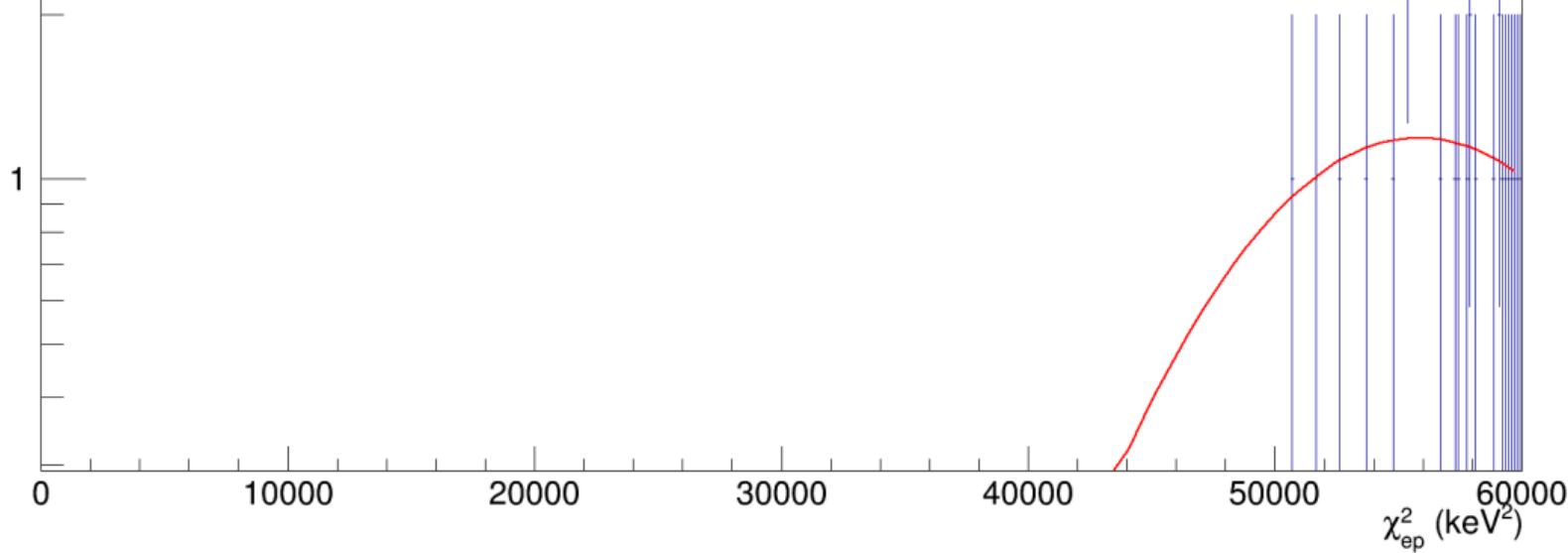
sbd_chi2_752	
Entries	116
Mean	5.598e+004
RMS	2612
χ^2 / ndf	4.917 / 18
Constant	1.28 ± 1.14
Mean	6.522e+004 ± 6.533e+004
Sigma	2.619e+004 ± 2.572e+004



χ^2_{ep} from 753.00 keV to 754.00 keV

probability

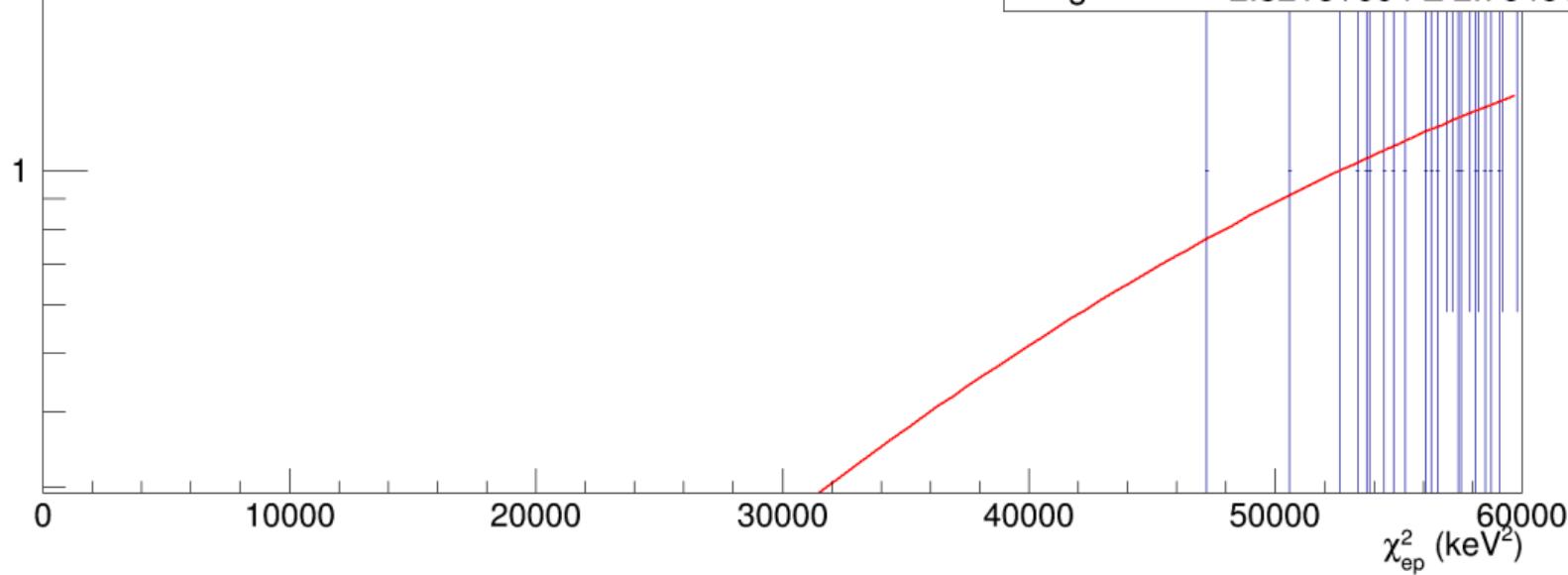
sbd_chi2_753	
Entries	104
Mean	5.707e+004
RMS	2636
χ^2 / ndf	2.101 / 18
Constant	1.19 ± 0.44
Mean	5.584e+004 ± 4.059e+003
Sigma	7253 ± 16810.9



χ^2_{ep} from 754.00 keV to 755.00 keV

probability

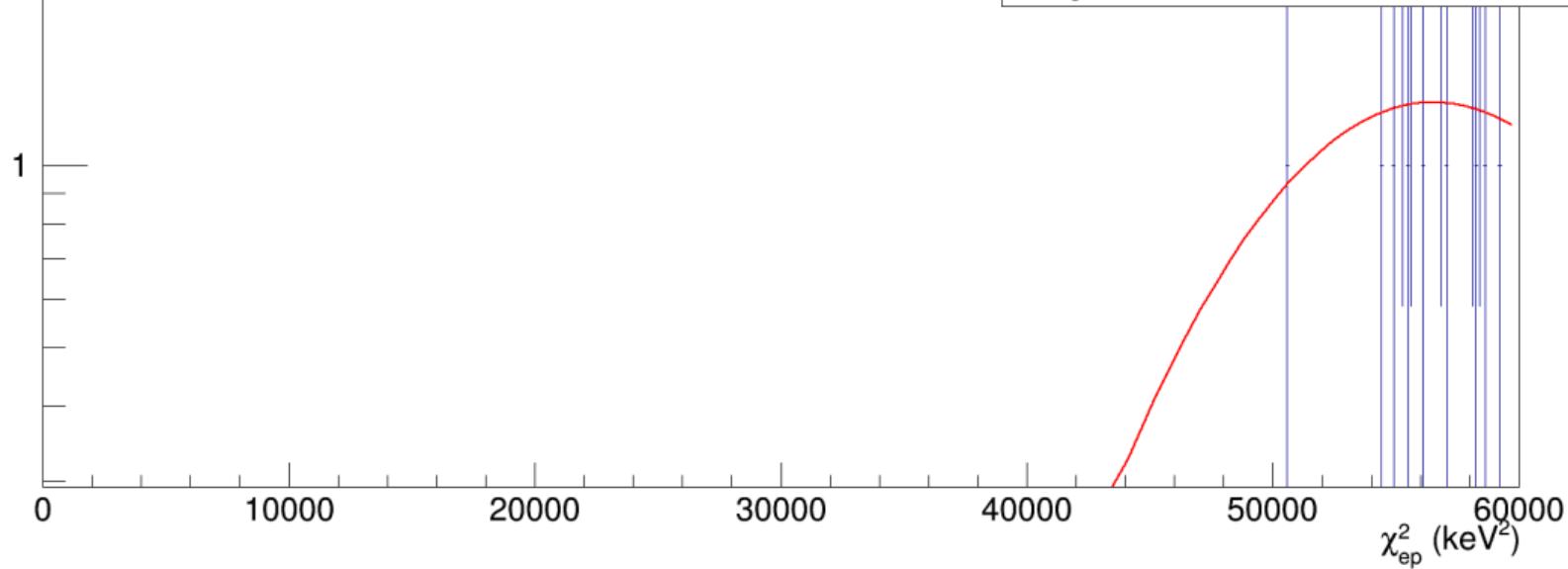
sbd_chi2_754	
Entries	106
Mean	5.642e+004
RMS	2828
χ^2 / ndf	2.249 / 21
Constant	2.229 ± 5.584
Mean	$8.836\text{e}+004 \pm 6.205\text{e}+004$
Sigma	$2.821\text{e}+004 \pm 2.764\text{e}+004$



χ^2_{ep} from 755.00 keV to 756.00 keV

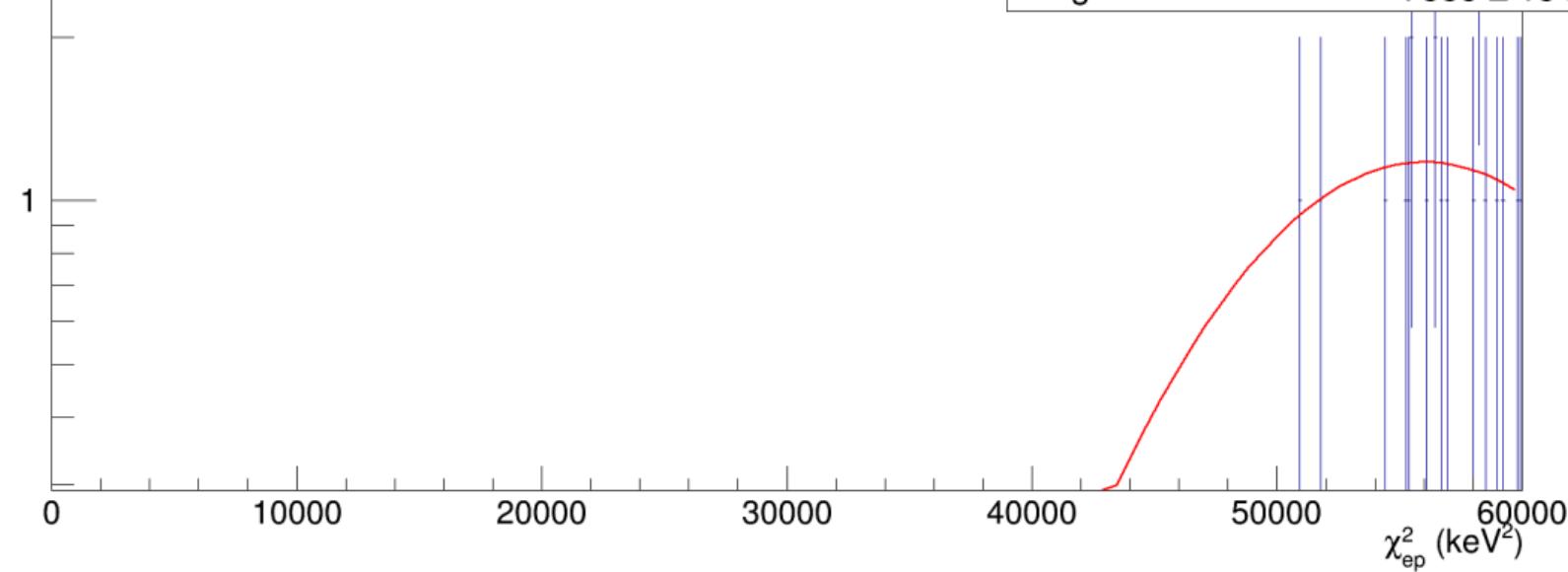
probability

sbd_chi2_755	
Entries	111
Mean	5.648e+004
RMS	1998
χ^2 / ndf	1.866 / 11
Constant	1.273 ± 0.366
Mean	5.656e+004 ± 7.824e+003
Sigma	7533 ± 13369.1



χ^2_{ep} from 756.00 keV to 757.00 keV

probability

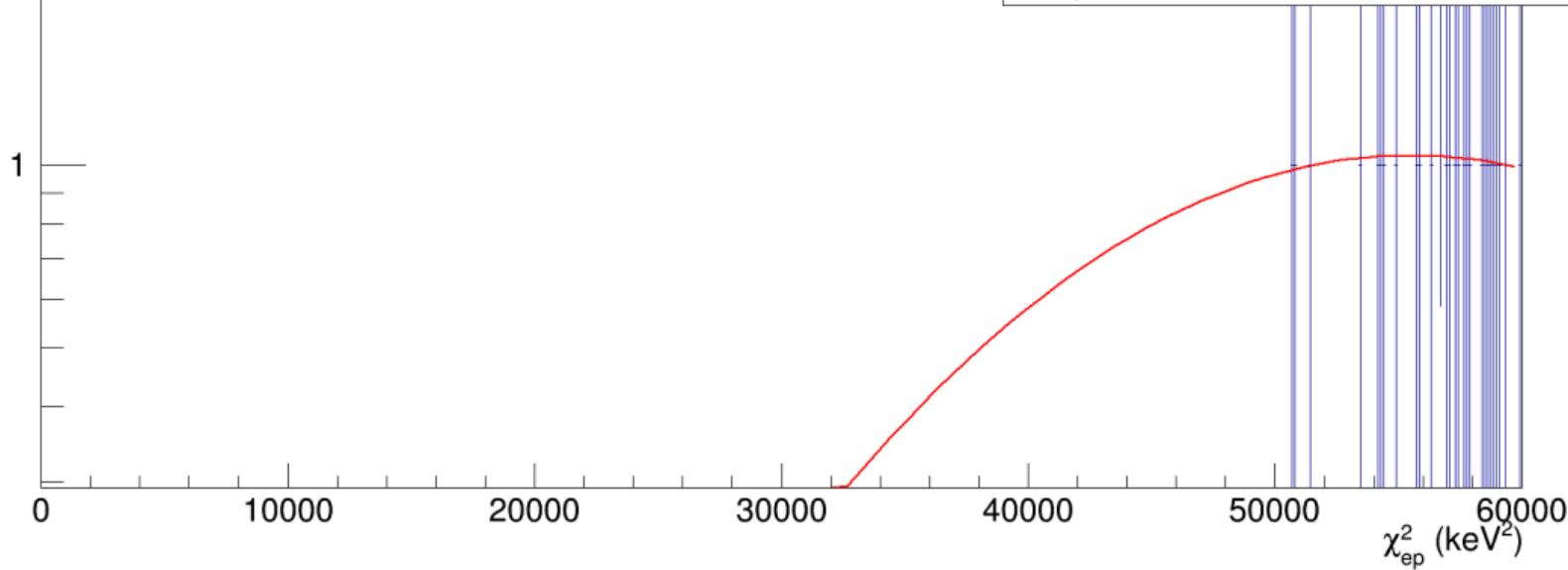


sbd_chi2_756	
Entries	111
Mean	5.67e+004
RMS	2334
χ^2 / ndf	2.074 / 14
Constant	1.177 ± 0.369
Mean	5.604e+004 ± 5.524e+003
Sigma	7585 ± 15415.1

χ^2_{ep} from 757.00 keV to 758.00 keV

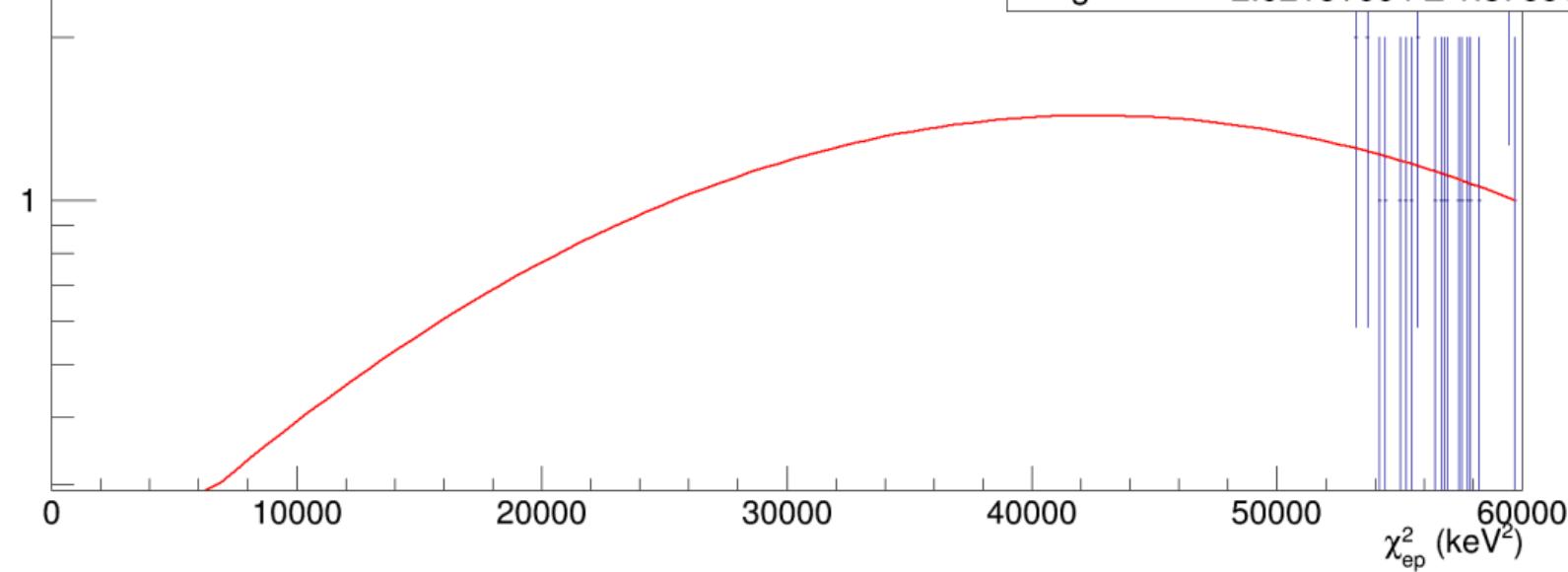
probability

sbd_chi2_757	
Entries	114
Mean	5.648e+004
RMS	2508
χ^2 / ndf	0.4835 / 25
Constant	1.037 ± 0.302
Mean	5.55e+004 ± 1.54e+004
Sigma	1.437e+004 ± 1.528e+004



χ^2_{ep} from 758.00 keV to 759.00 keV

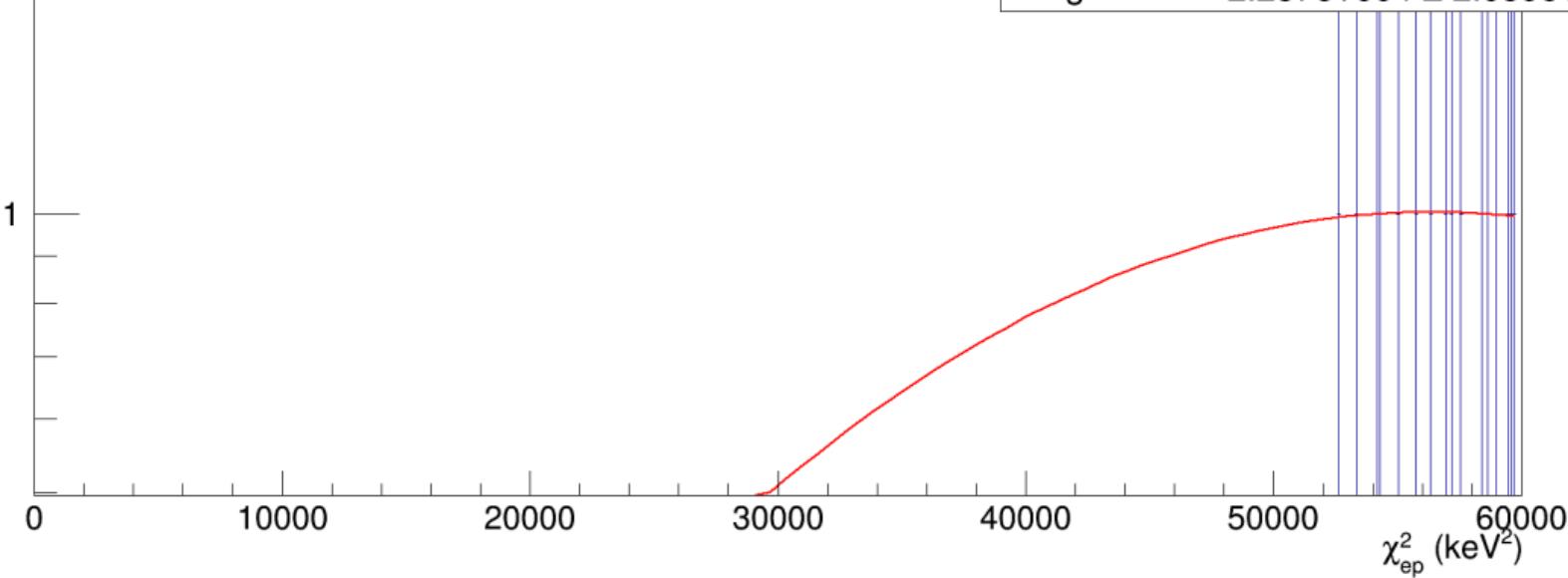
probability



sbd_chi2_758	
Entries	119
Mean	5.639e+004
RMS	2015
χ^2 / ndf	2.526 / 16
Constant	1.433 ± 2.917
Mean	$4.256\text{e}+004 \pm 6.014\text{e}+004$
Sigma	$2.021\text{e}+004 \pm 1.876\text{e}+004$

χ^2_{ep} from 759.00 keV to 760.00 keV

probability

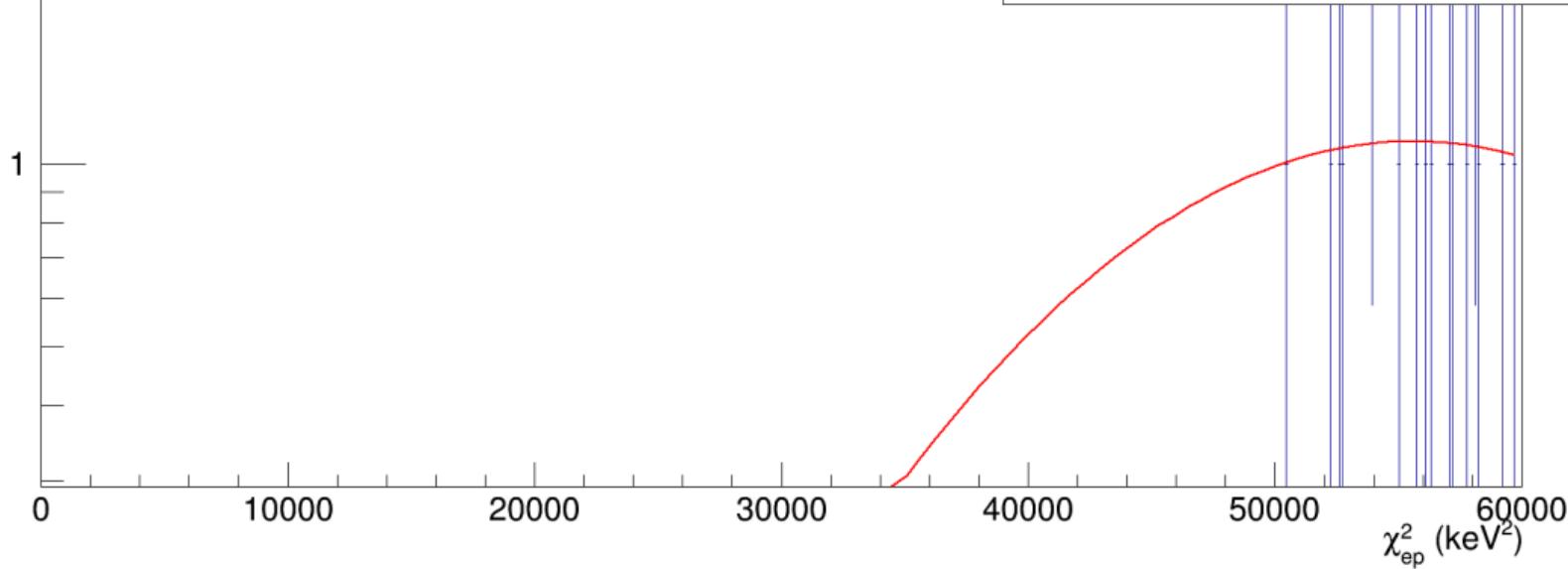


sbd_chi2_759	
Entries	108
Mean	5.674e+004
RMS	2267
χ^2 / ndf	0.0002877 / 13
Constant	1.005 ± 0.254
Mean	5.64e+004 ± 5.67e+004
Sigma	2.257e+004 ± 2.059e+004

χ^2_{ep} from 760.00 keV to 761.00 keV

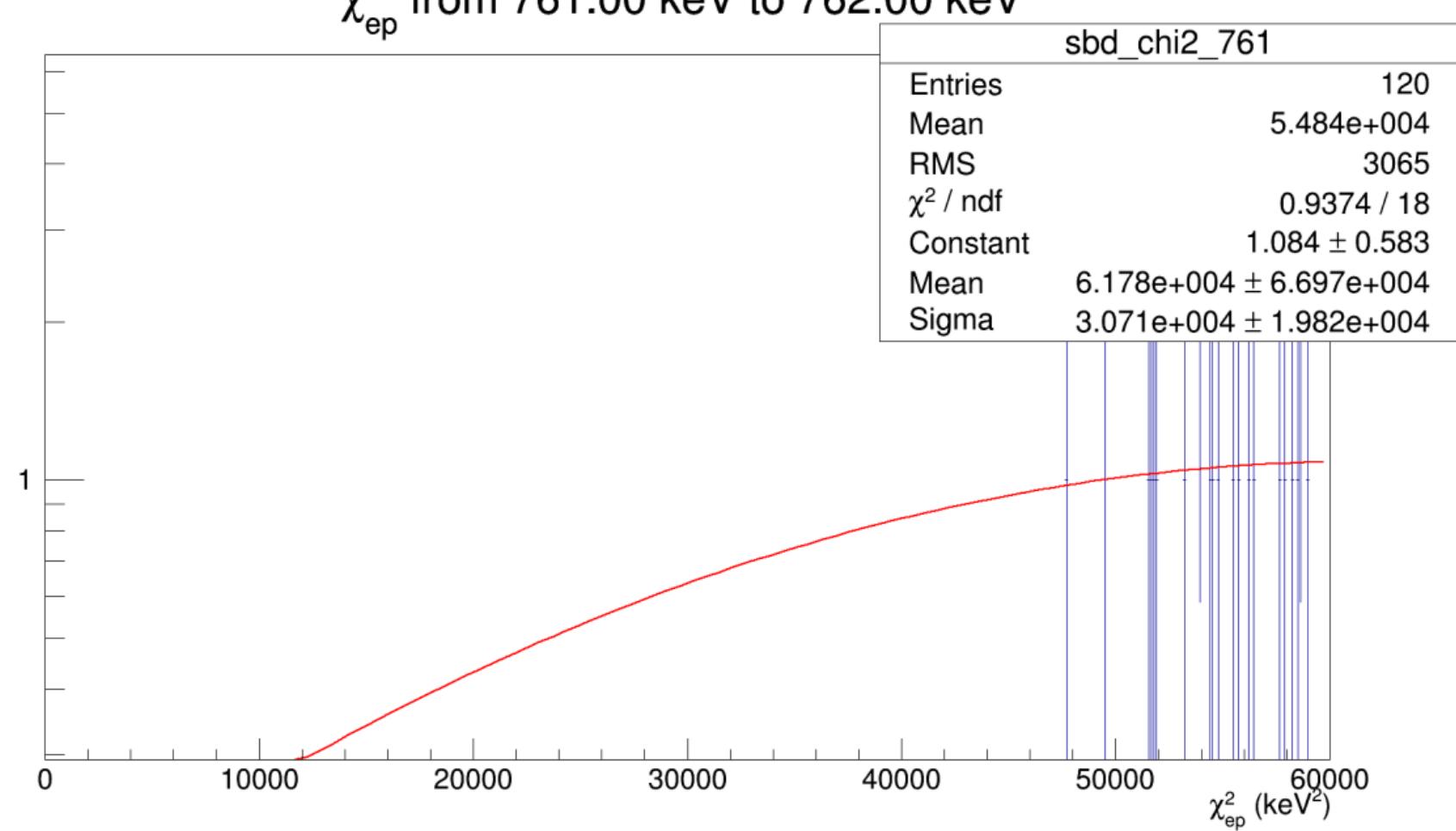
probability

sbd_chi2_760	
Entries	113
Mean	5.581e+004
RMS	2581
χ^2 / ndf	0.9253 / 13
Constant	1.089 ± 0.382
Mean	5.56e+004 ± 1.77e+004
Sigma	1.285e+004 ± 1.443e+004



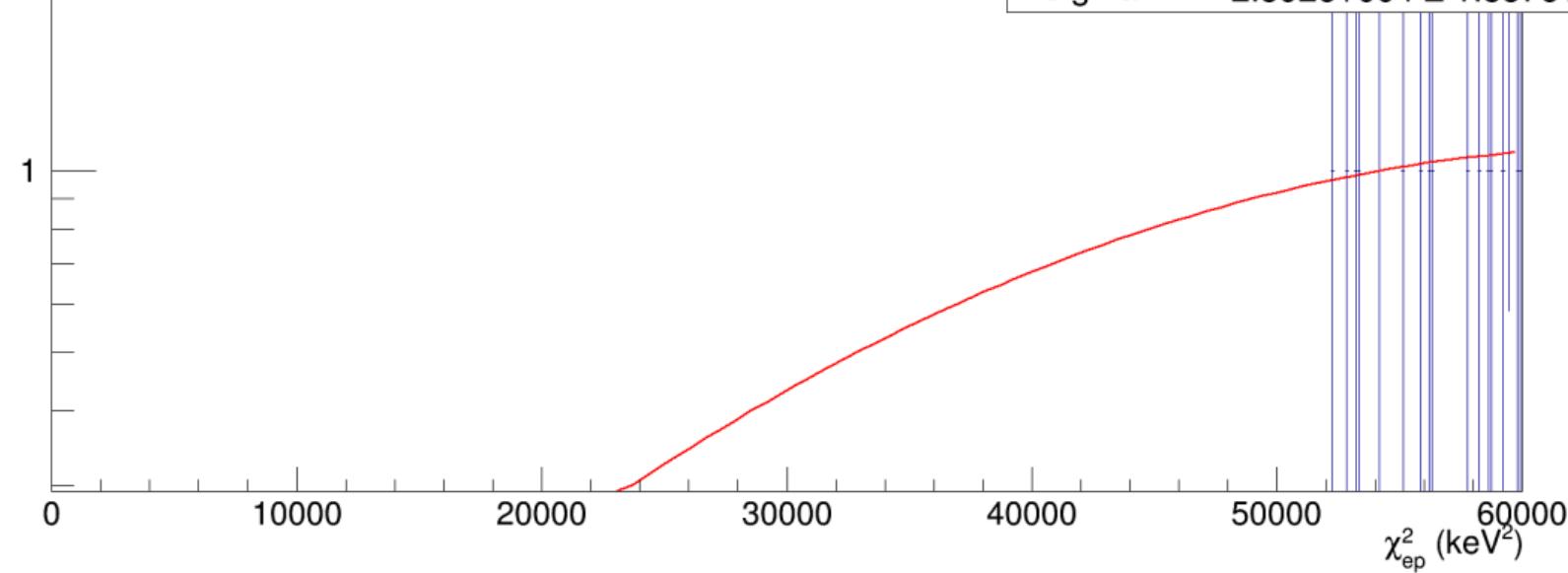
χ^2_{ep} from 761.00 keV to 762.00 keV

probability



χ^2_{ep} from 762.00 keV to 763.00 keV

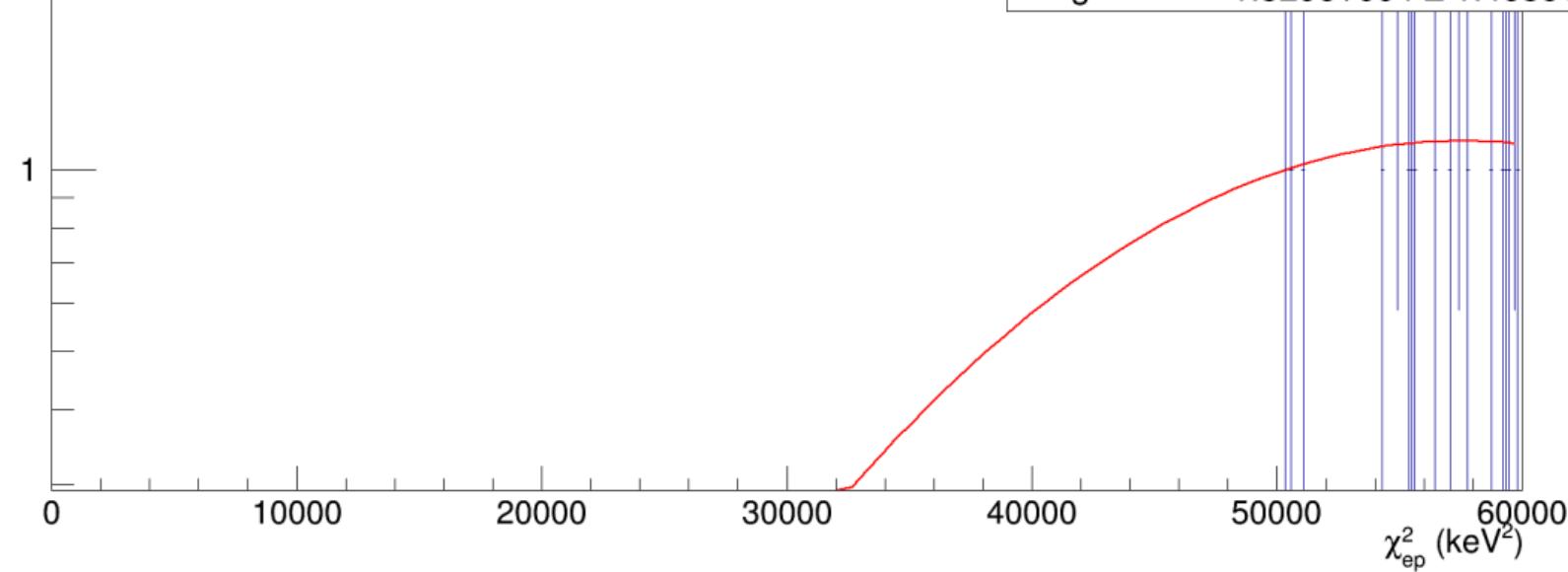
probability



sbd_chi2_762	
Entries	95
Mean	5.672e+004
RMS	2592
χ^2 / ndf	0.4669 / 14
Constant	1.099 ± 0.964
Mean	6.549e+004 ± 6.402e+004
Sigma	2.592e+004 ± 1.857e+004

χ^2_{ep} from 763.00 keV to 764.00 keV

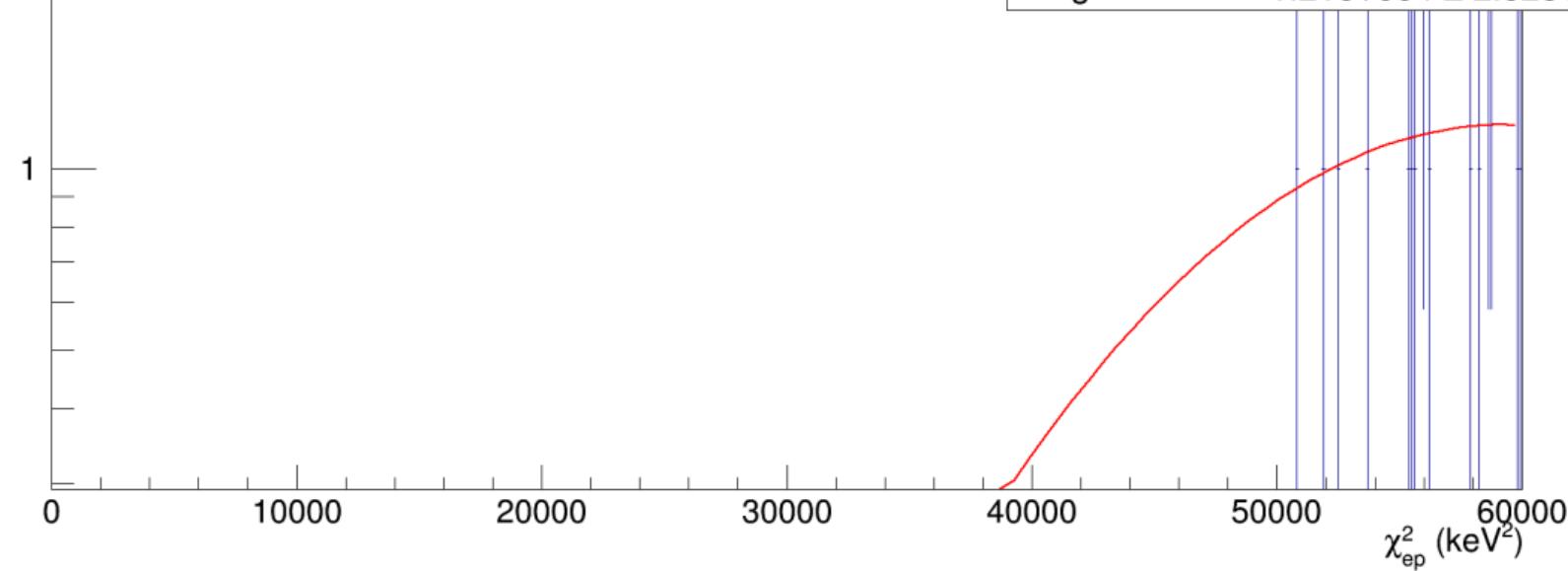
probability



sbd_chi2_763	
Entries	100
Mean	5.642e+004
RMS	2931
χ^2 / ndf	1.337 / 15
Constant	1.118 ± 0.302
Mean	5.76e+004 ± 3.34e+004
Sigma	1.529e+004 ± 1.468e+004

χ^2_{ep} from 764.00 keV to 765.00 keV

probability

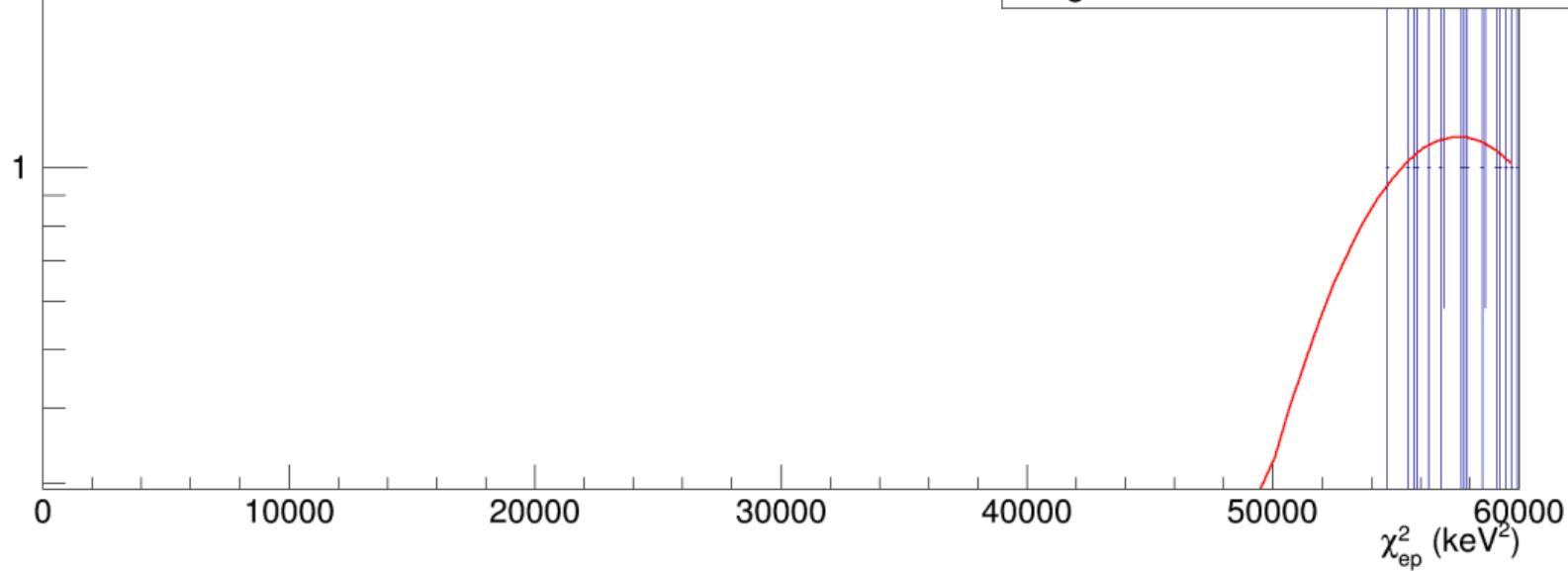


sbd_chi2_764	
Entries	104
Mean	5.636e+004
RMS	2664
χ^2 / ndf	1.248 / 12
Constant	1.184 ± 0.465
Mean	5.927e+004 ± 3.489e+004
Sigma	1.21e+004 ± 2.02e+004

χ^2_{ep} from 765.00 keV to 766.00 keV

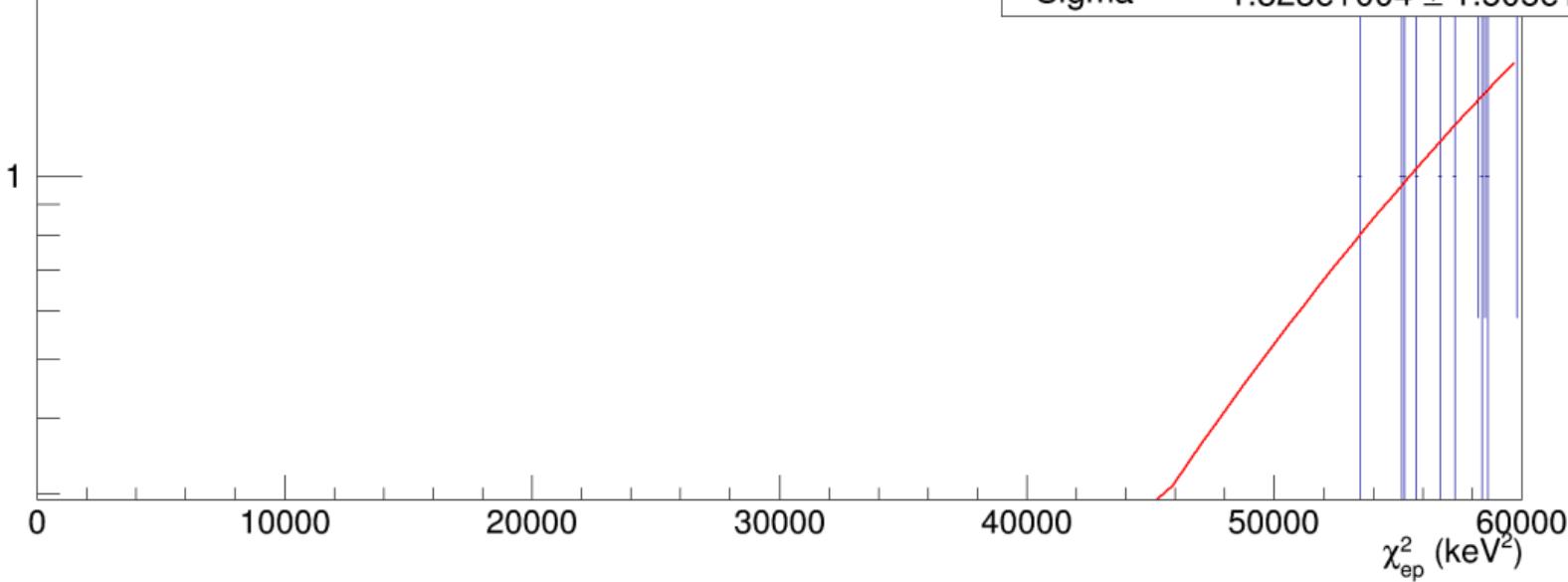
probability

sbd_chi2_765	
Entries	104
Mean	5.763e+004
RMS	1523
χ^2 / ndf	0.8951 / 14
Constant	1.124 ± 0.397
Mean	5.755e+004 ± 3.474e+003
Sigma	4766 ± 9520.8



χ^2_{ep} from 766.00 keV to 767.00 keV

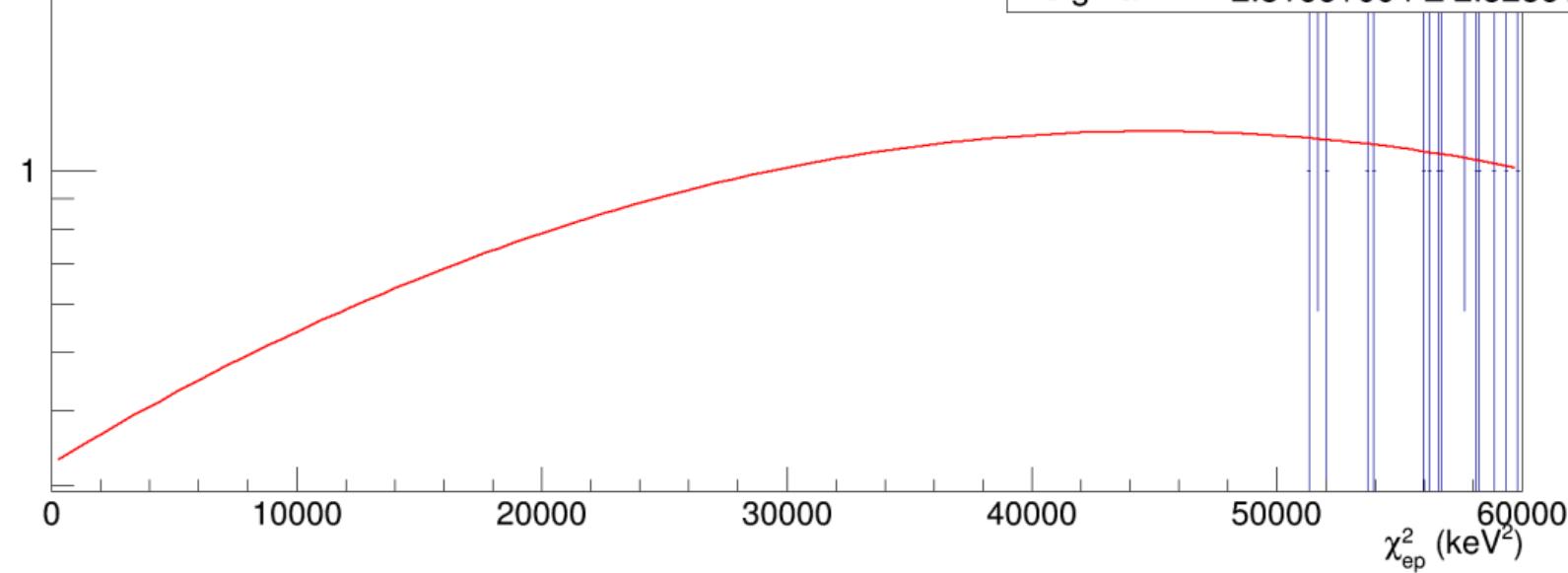
probability



sbd_chi2_766	
Entries	99
Mean	5.74e+004
RMS	1814
χ^2 / ndf	0.8981 / 8
Constant	7.003 ± 41.395
Mean	9.145e+004 ± 5.759e+004
Sigma	1.823e+004 ± 1.505e+004

χ^2_{ep} from 767.00 keV to 768.00 keV

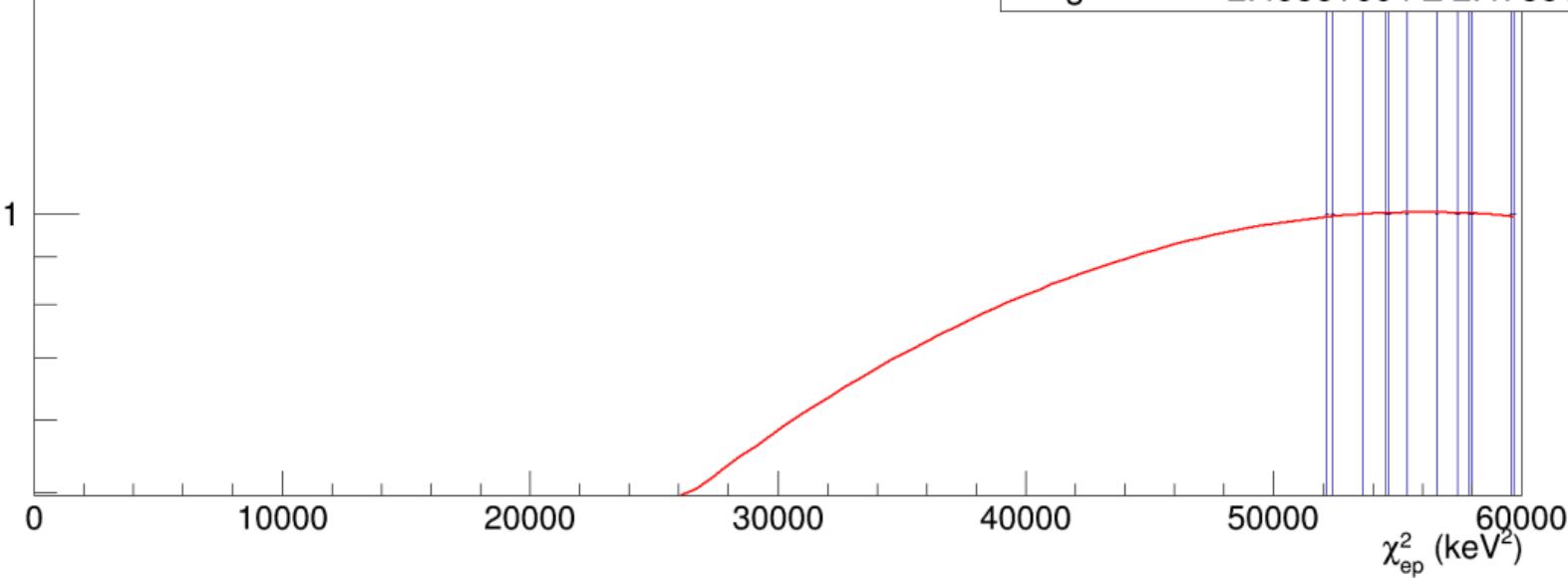
probability



sbd_chi2_767	
Entries	101
Mean	5.585e+004
RMS	2802
χ^2 / ndf	0.9109 / 12
Constant	1.164 ± 1.206
Mean	4.493e+004 ± 7.268e+004
Sigma	2.816e+004 ± 2.328e+004

χ^2_{ep} from 768.00 keV to 769.00 keV

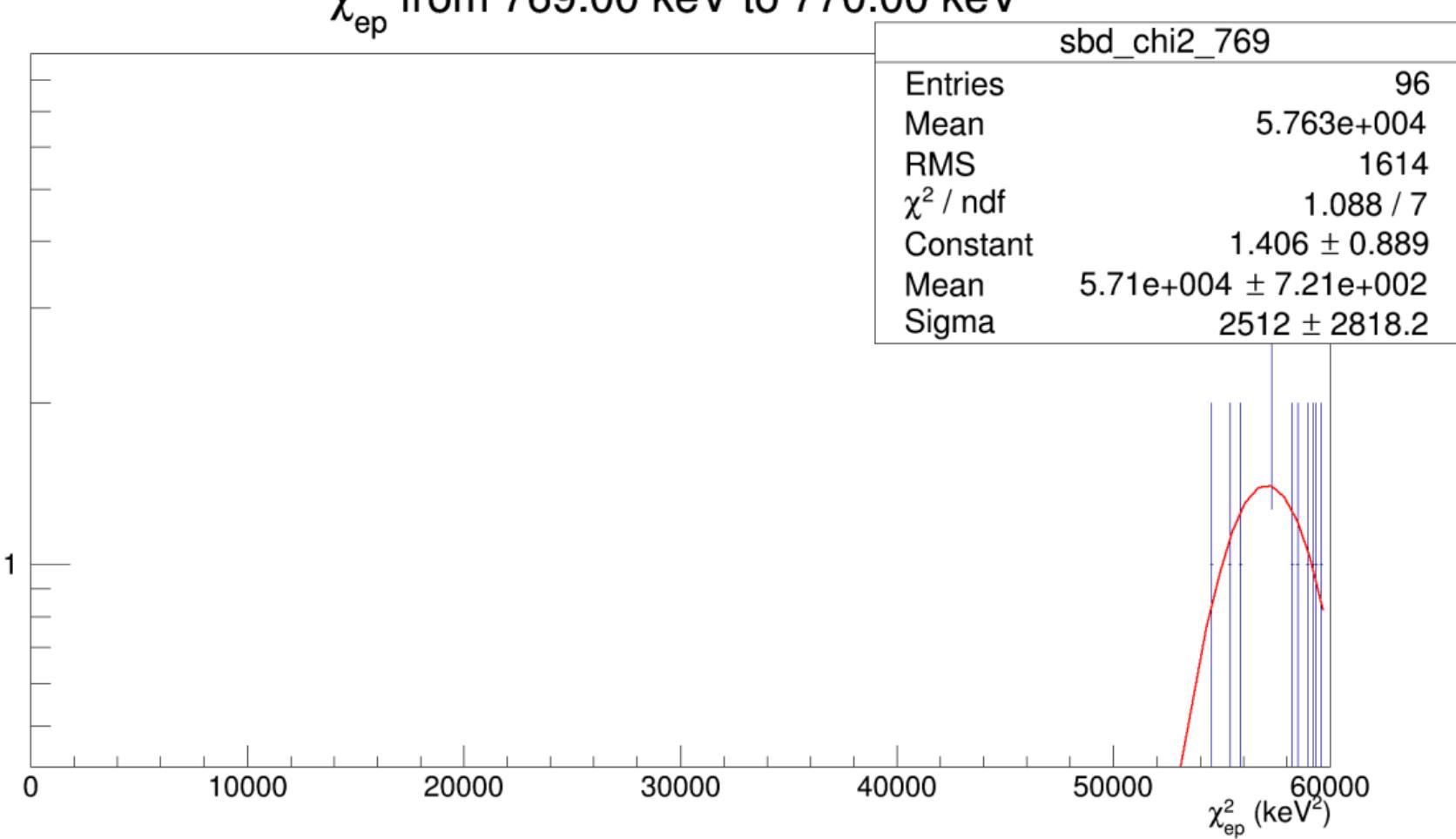
probability



sbd_chi2_768	
Entries	89
Mean	5.6e+004
RMS	2483
χ^2 / ndf	0.0002303 / 9
Constant	1.005 ± 0.290
Mean	5.604e+004 ± 7.237e+004
Sigma	2.495e+004 ± 2.475e+004

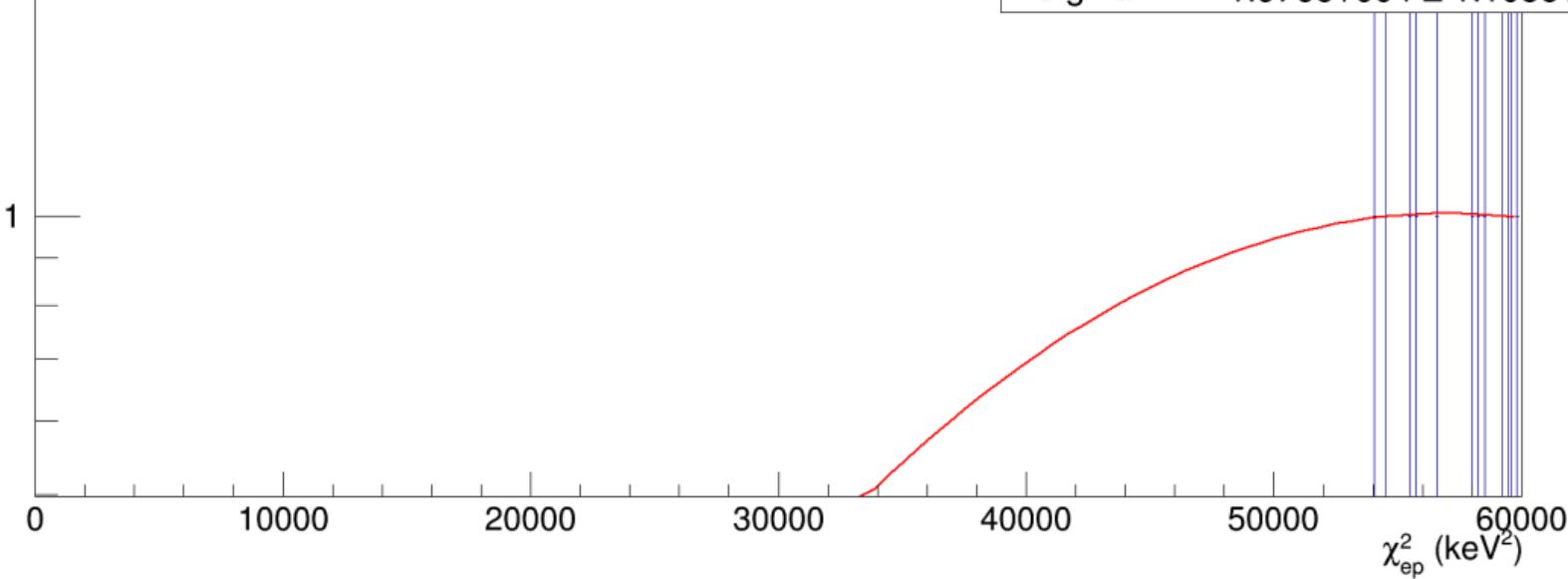
χ^2_{ep} from 769.00 keV to 770.00 keV

probability



χ^2_{ep} from 770.00 keV to 771.00 keV

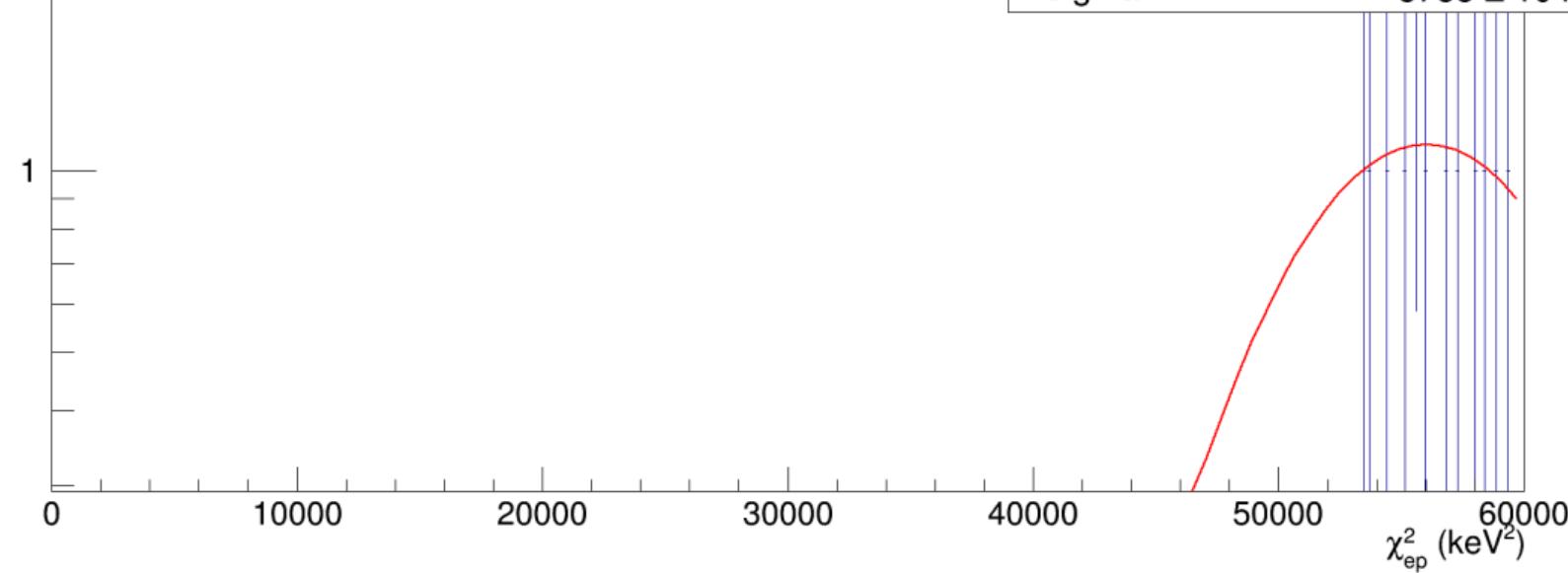
probability



sbd_chi2_770	
Entries	104
Mean	5.742e+004
RMS	1971
χ^2 / ndf	0.0001543 / 9
Constant	1.005 ± 0.341
Mean	5.705e+004 ± 5.599e+004
Sigma	1.976e+004 ± 1.105e+004

χ^2_{ep} from 771.00 keV to 772.00 keV

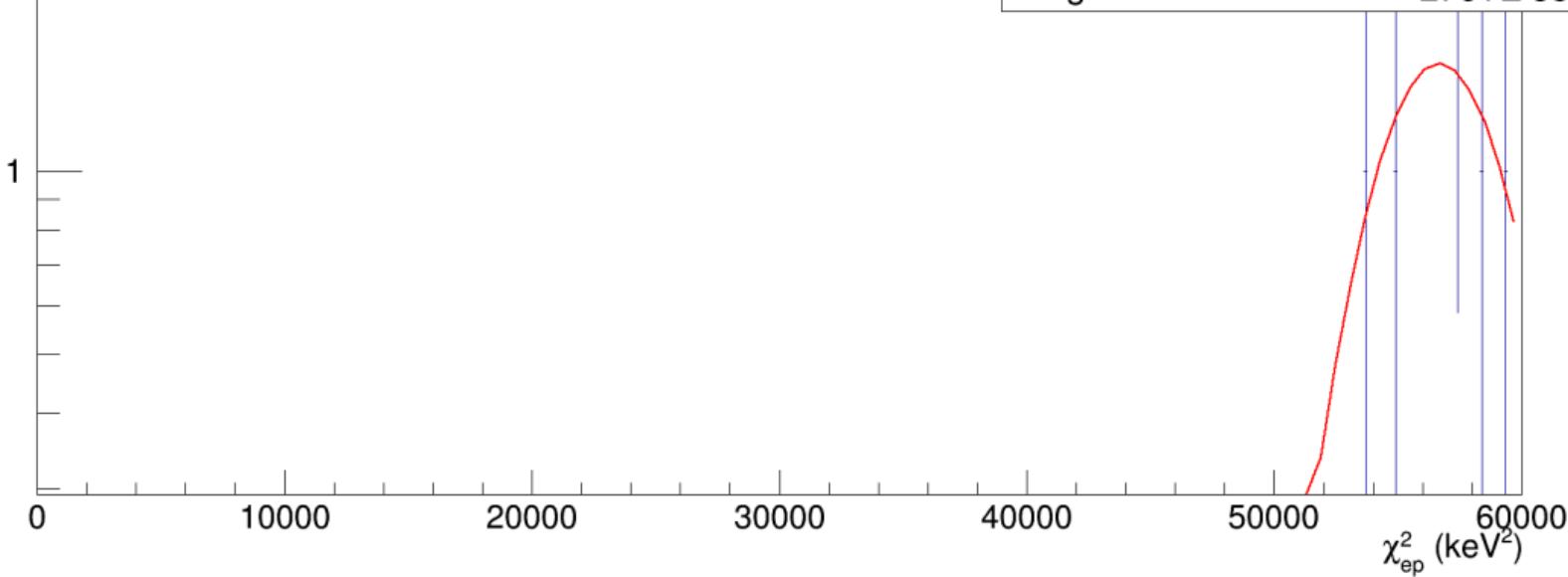
probability



sbd_chi2_771	
Entries	98
Mean	5.634e+004
RMS	1855
χ^2 / ndf	0.4482 / 9
Constant	1.107 ± 0.481
Mean	5.601e+004 ± 5.257e+003
Sigma	5755 ± 10453.6

χ^2_{ep} from 772.00 keV to 773.00 keV

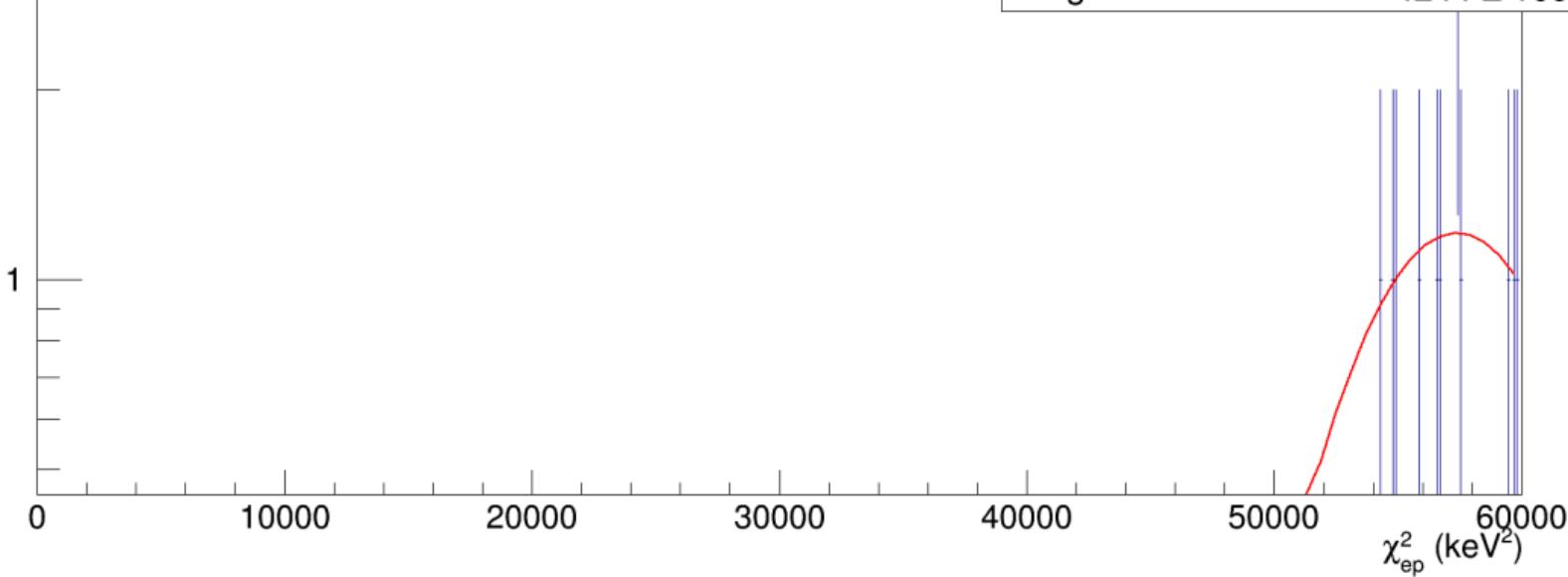
probability



sbd_chi2_772	
Entries	92
Mean	5.687e+004
RMS	1953
χ^2 / ndf	0.2881 / 2
Constant	1.507 ± 1.226
Mean	5.668e+004 ± 1.632e+003
Sigma	2761 ± 3521.8

χ^2_{ep} from 773.00 keV to 774.00 keV

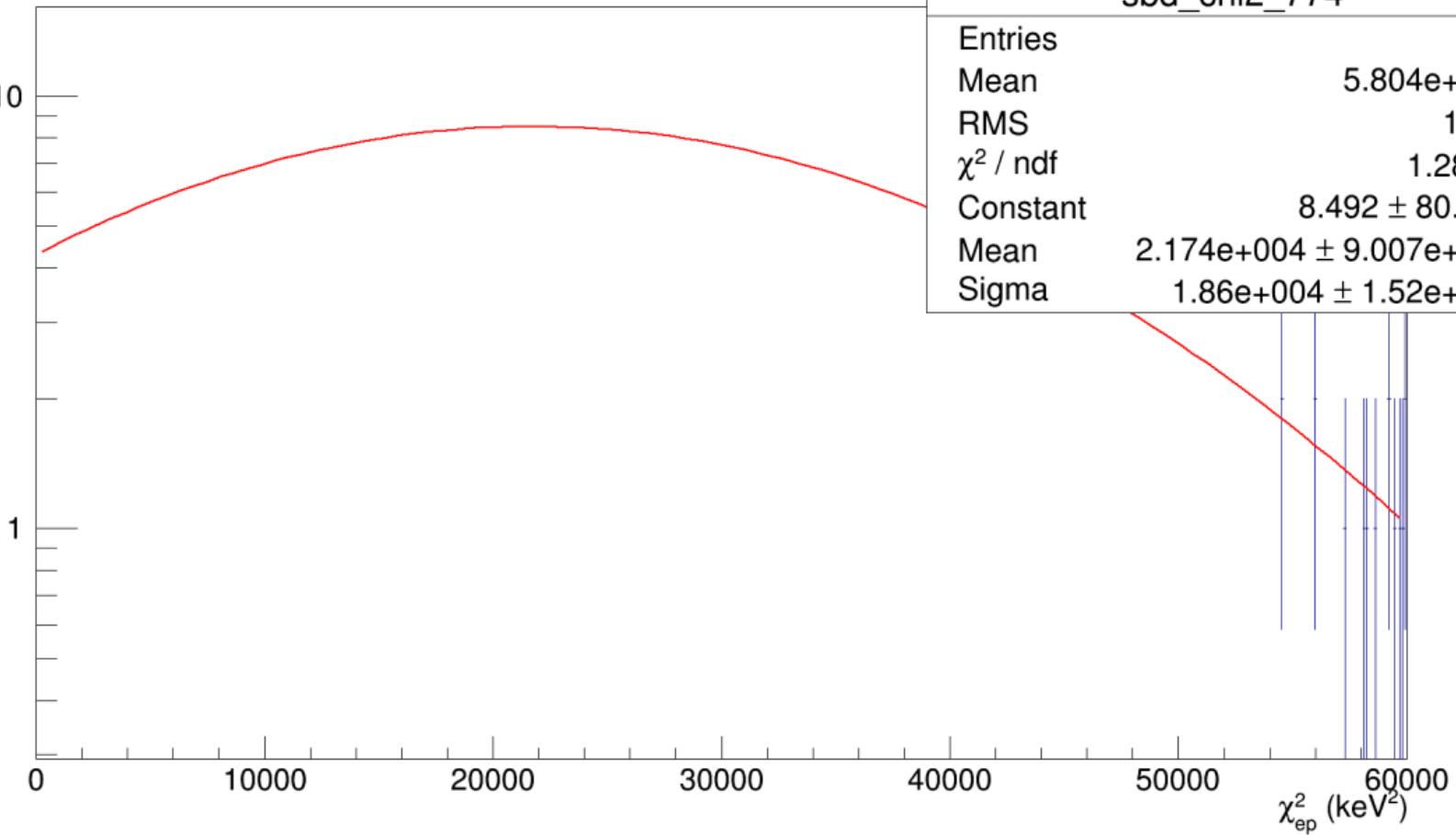
probability



sbd_chi2_773	
Entries	91
Mean	5.706e+004
RMS	1767
χ^2 / ndf	1.212 / 8
Constant	1.186 ± 0.540
Mean	5.738e+004 ± 2.868e+003
Sigma	4244 ± 10919.3

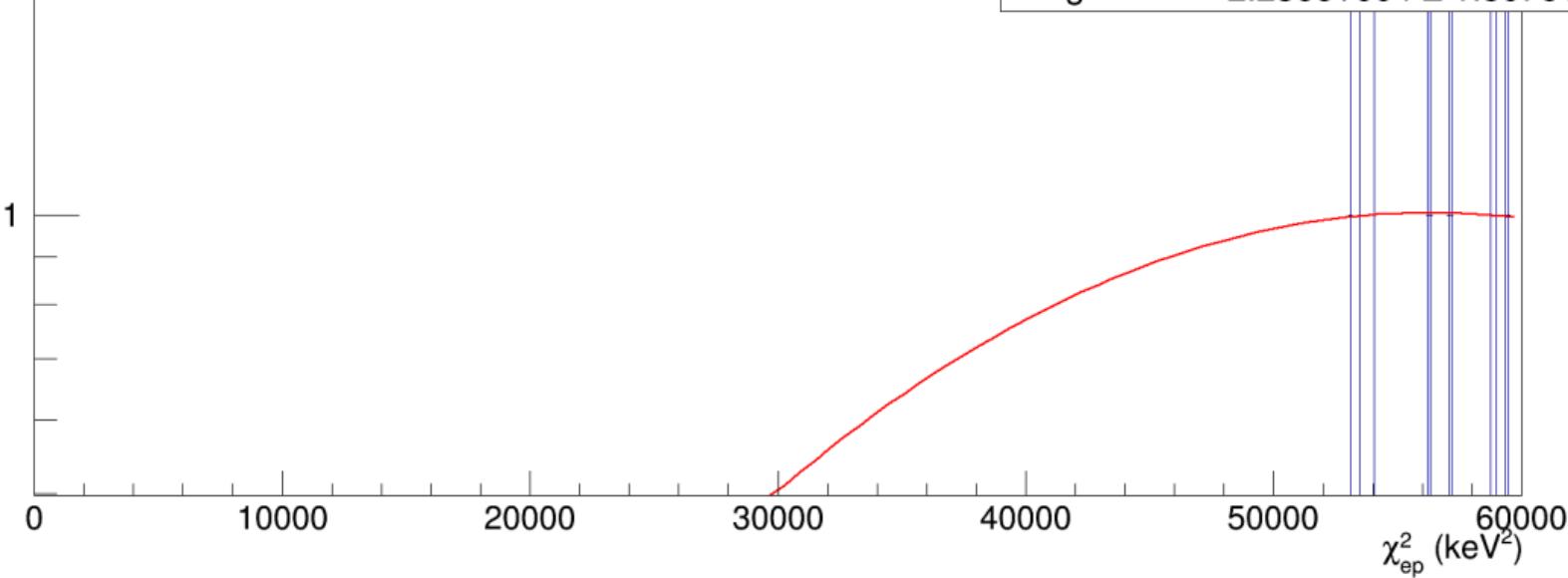
χ^2_{ep} from 774.00 keV to 775.00 keV

probability



χ^2_{ep} from 775.00 keV to 776.00 keV

probability

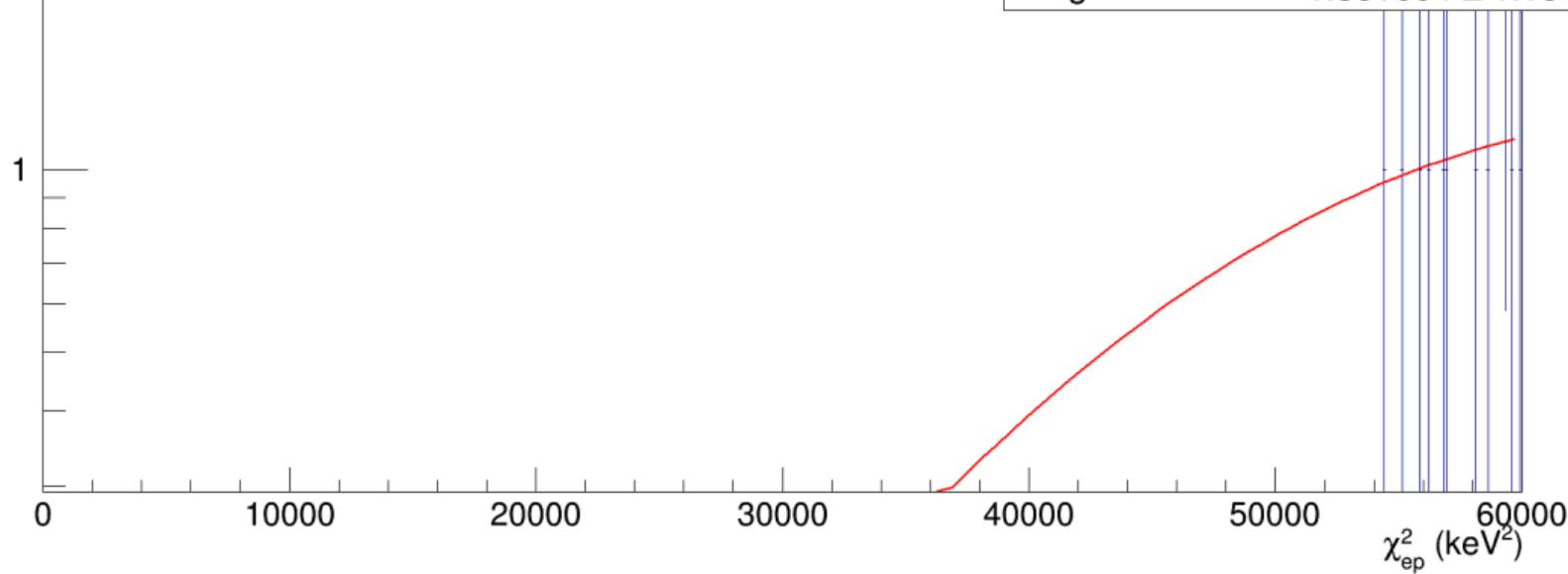


sbd_chi2_775	
Entries	103
Mean	5.672e+004
RMS	2238
χ^2 / ndf	0.0001727 / 8
Constant	1.005 ± 0.307
Mean	5.634e+004 ± 6.702e+004
Sigma	2.236e+004 ± 1.807e+004

χ^2_{ep} from 776.00 keV to 777.00 keV

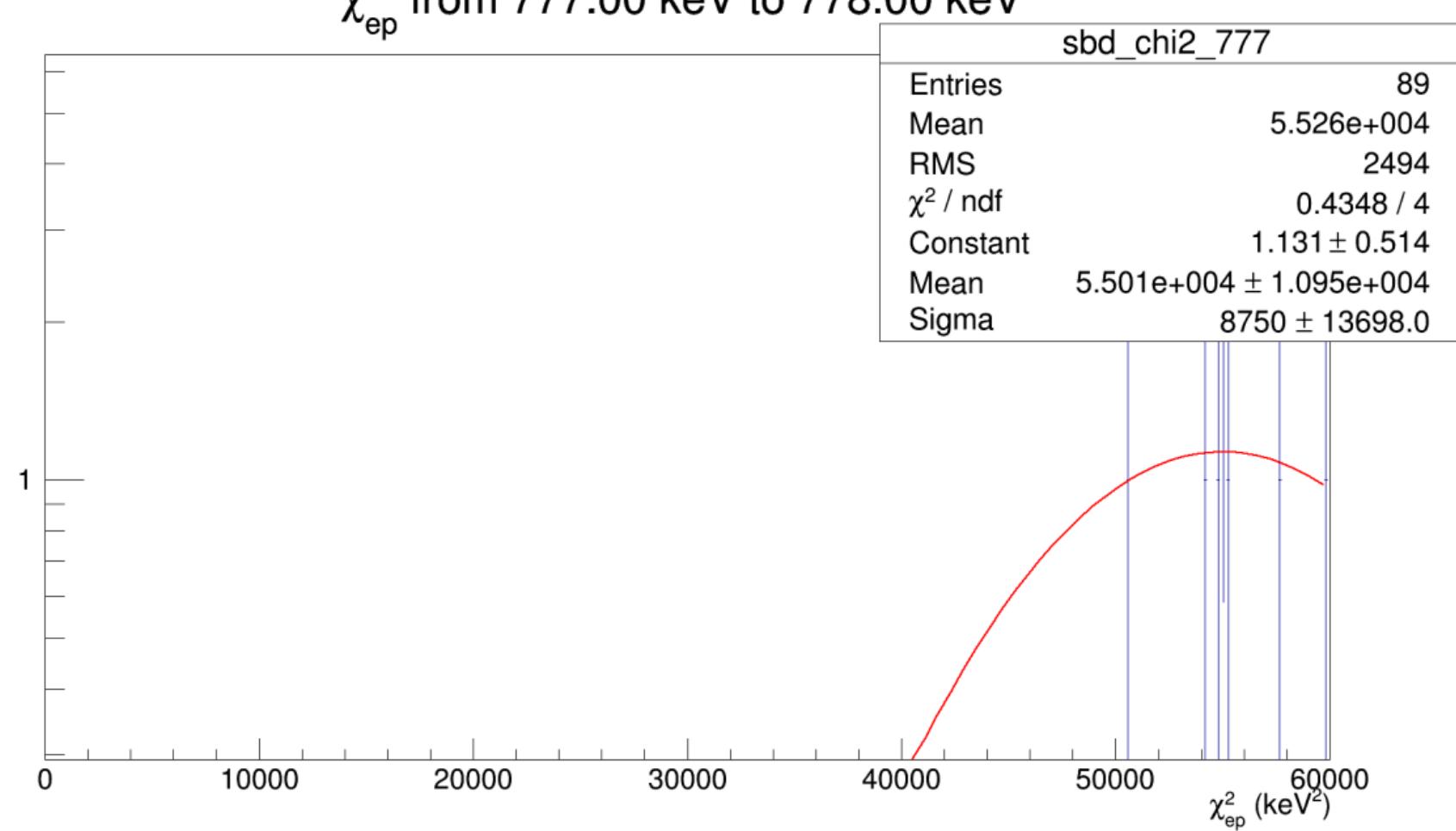
probability

sbd_chi2_776	
Entries	103
Mean	5.753e+004
RMS	1823
χ^2 / ndf	0.4451 / 8
Constant	1.222 ± 2.017
Mean	6.715e+004 ± 5.442e+004
Sigma	1.8e+004 ± 1.1e+004



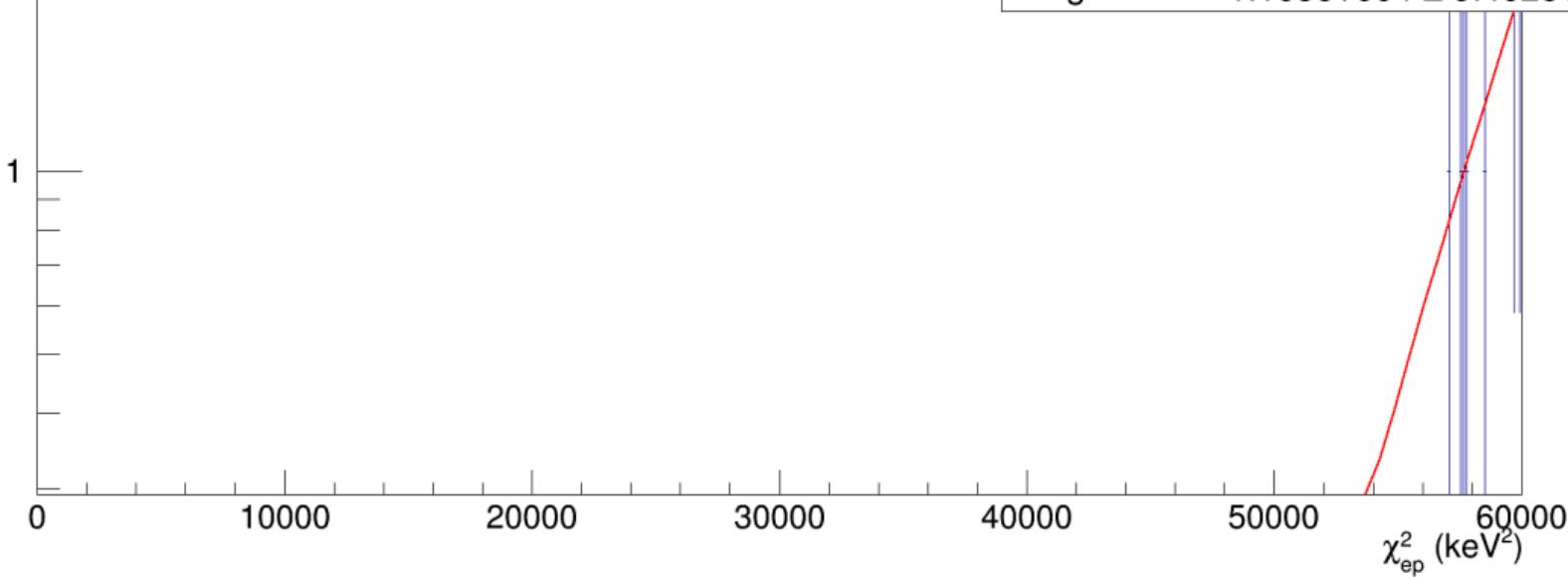
χ^2_{ep} from 777.00 keV to 778.00 keV

probability



χ^2_{ep} from 778.00 keV to 779.00 keV

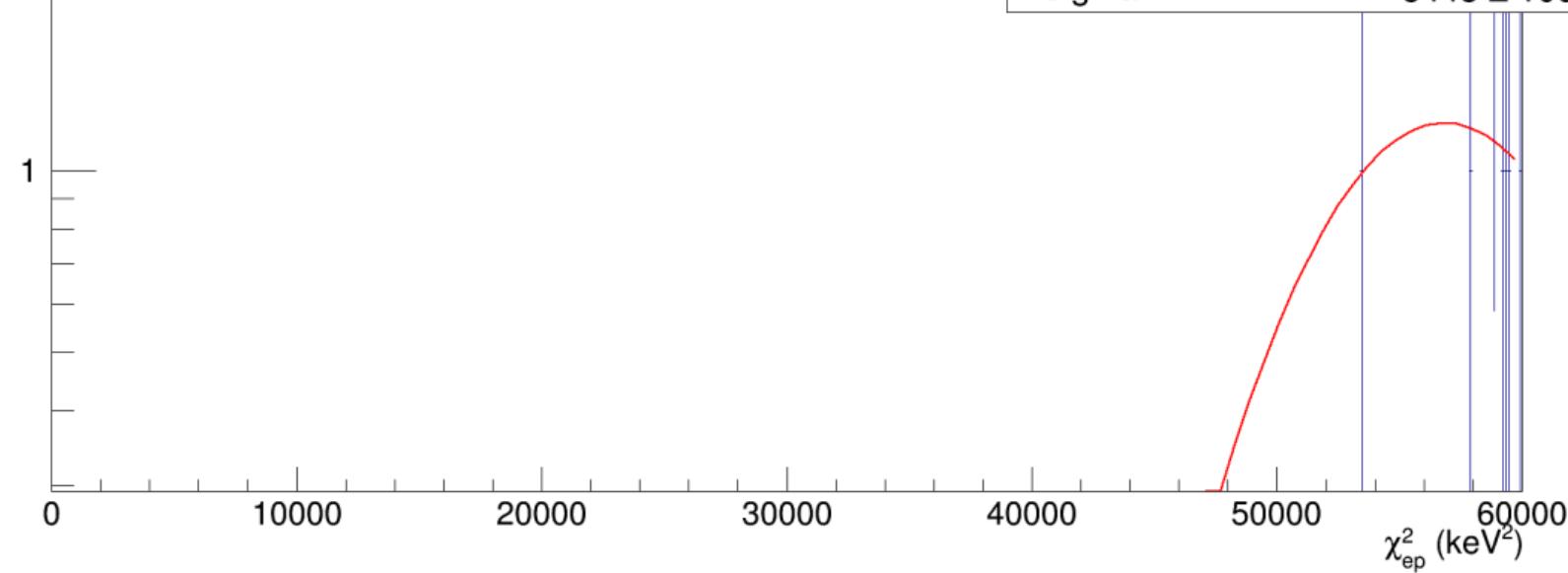
probability



sbd_chi2_778	
Entries	94
Mean	5.864e+004
RMS	1105
χ^2 / ndf	0.1287 / 4
Constant	334.2 ± 2208.5
Mean	9.538e+004 ± 2.413e+004
Sigma	1.105e+004 ± 9.402e+003

χ^2_{ep} from 779.00 keV to 780.00 keV

probability

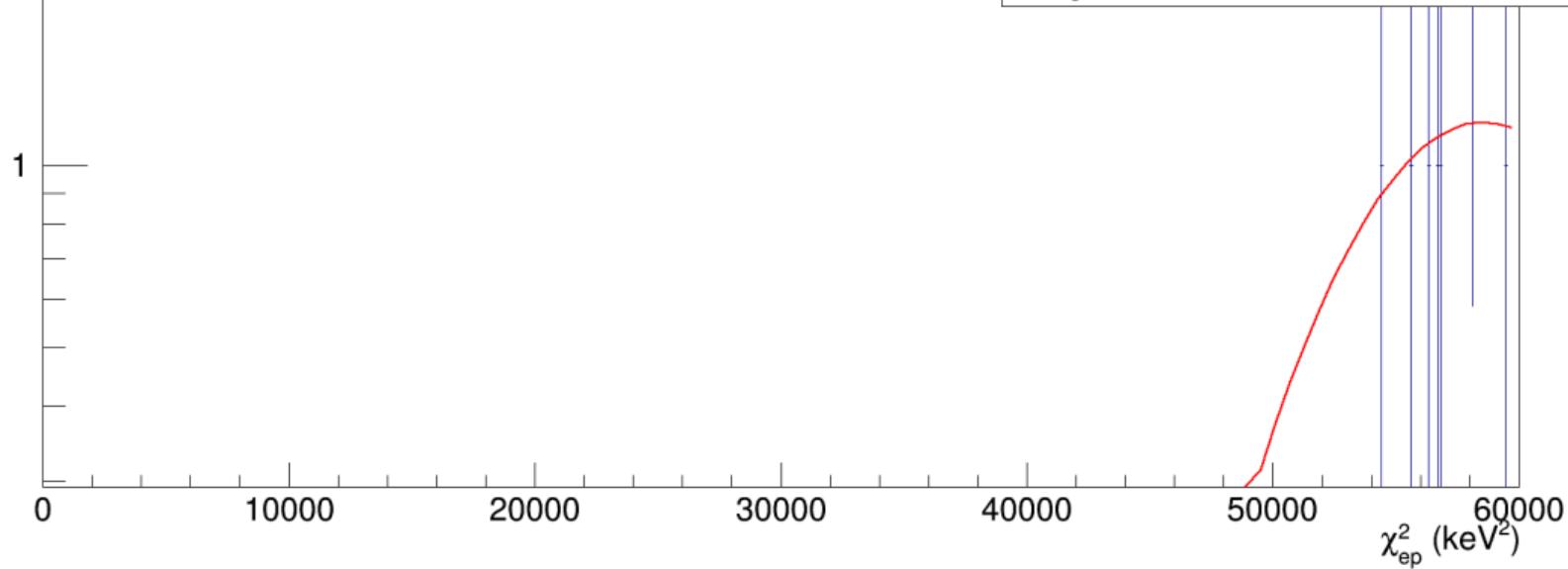


sbd_chi2_779	
Entries	88
Mean	5.838e+004
RMS	1940
χ^2 / ndf	0.4384 / 4
Constant	1.201 ± 1.121
Mean	5.685e+004 ± 5.719e+003
Sigma	5448 ± 10069.1

χ^2_{ep} from 780.00 keV to 781.00 keV

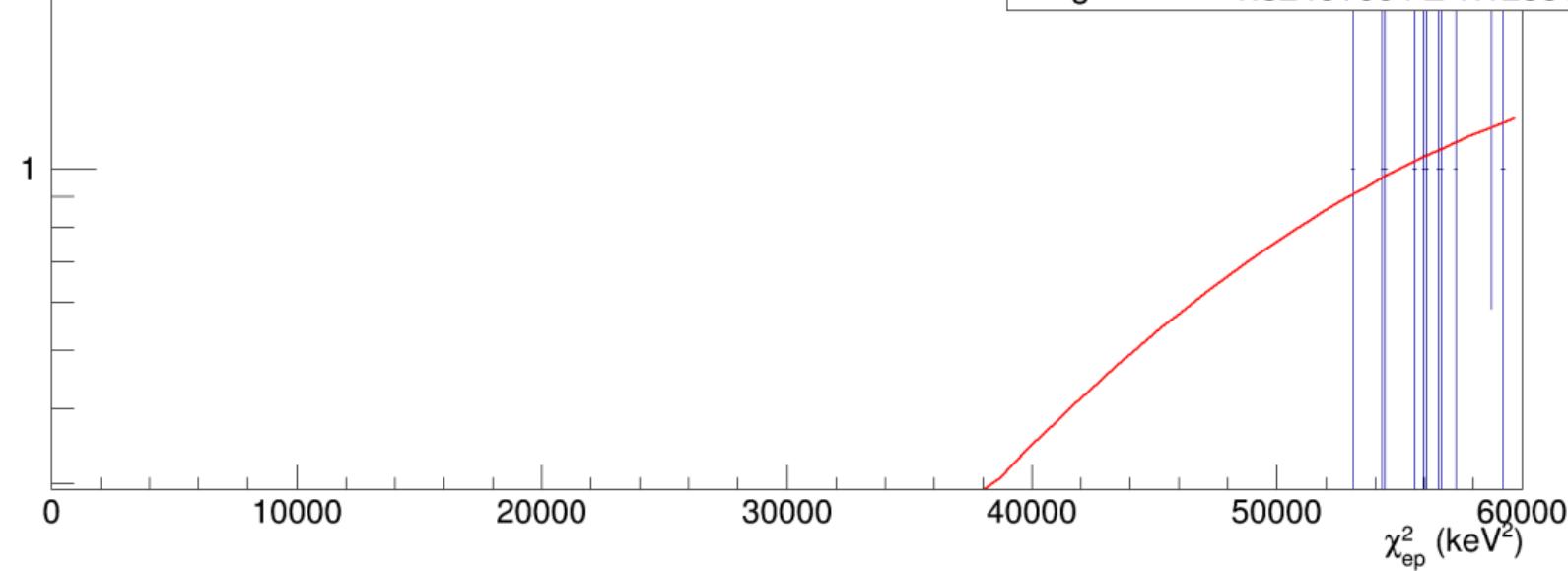
probability

sbd_chi2_780	
Entries	96
Mean	5.693e+004
RMS	1493
χ^2 / ndf	0.4146 / 4
Constant	1.179 ± 0.653
Mean	5.856e+004 ± 1.353e+004
Sigma	5560 ± 10260.4



χ^2_{ep} from 781.00 keV to 782.00 keV

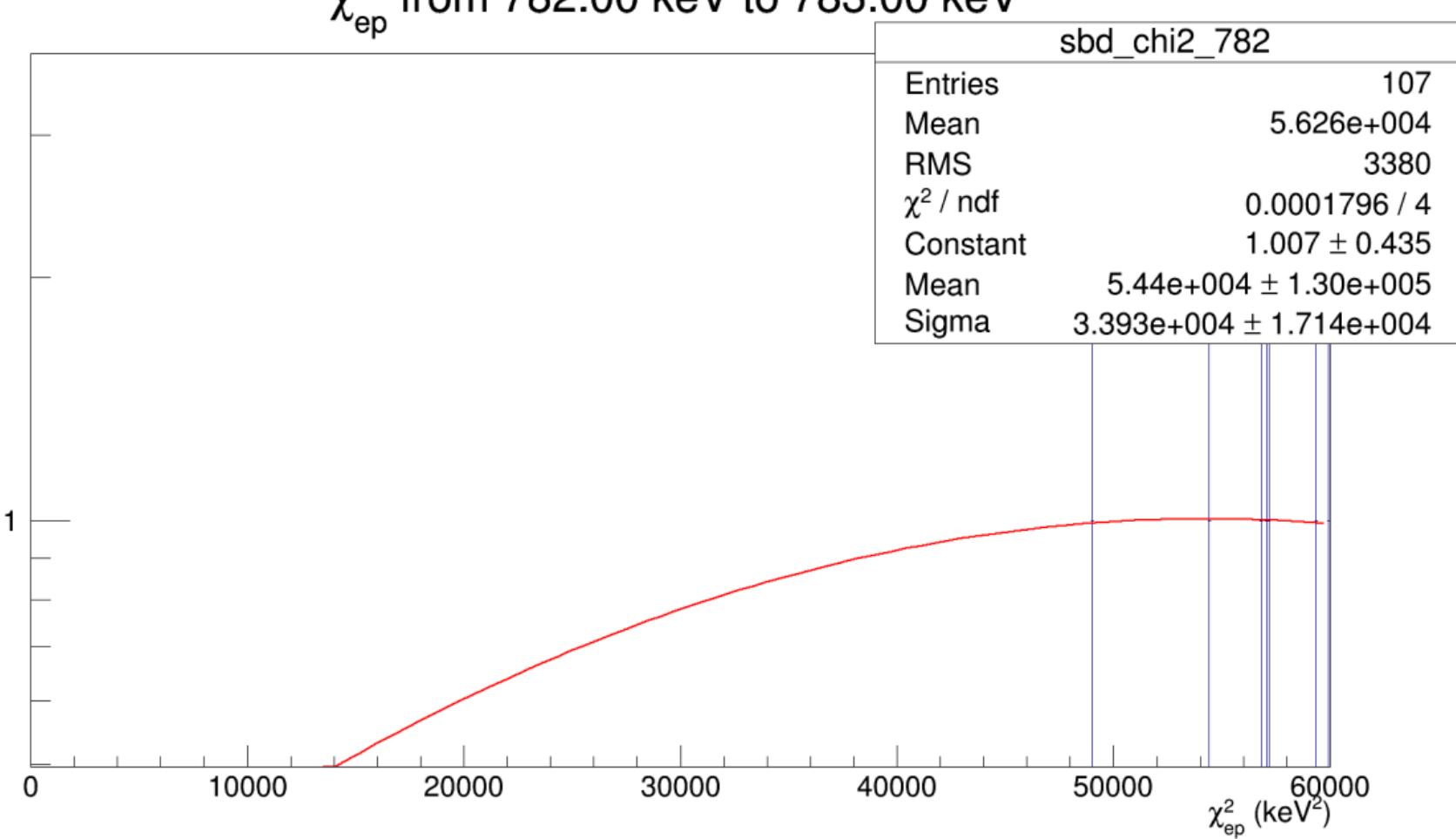
probability



sbd_chi2_781	
Entries	98
Mean	5.64e+004
RMS	1831
χ^2 / ndf	0.4198 / 8
Constant	1.466 ± 3.896
Mean	7.1e+004 ± 6.0e+004
Sigma	1.824e+004 ± 1.125e+004

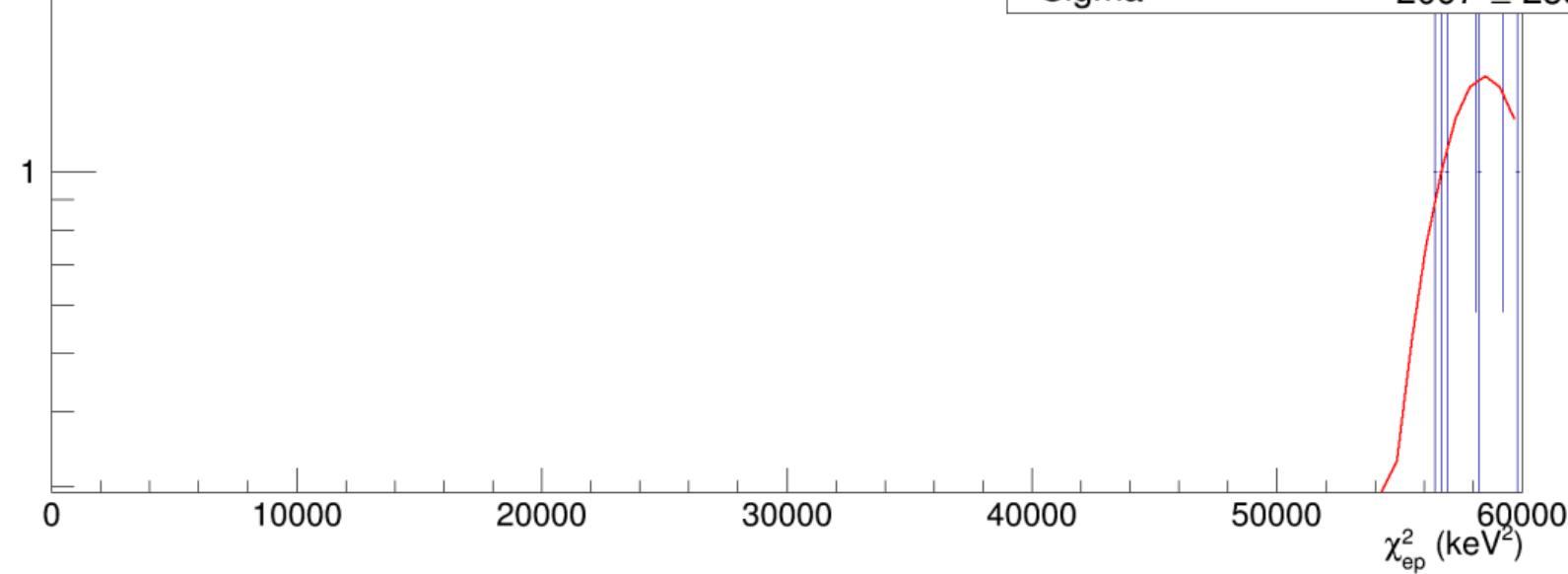
χ^2_{ep} from 782.00 keV to 783.00 keV

probability



χ^2_{ep} from 783.00 keV to 784.00 keV

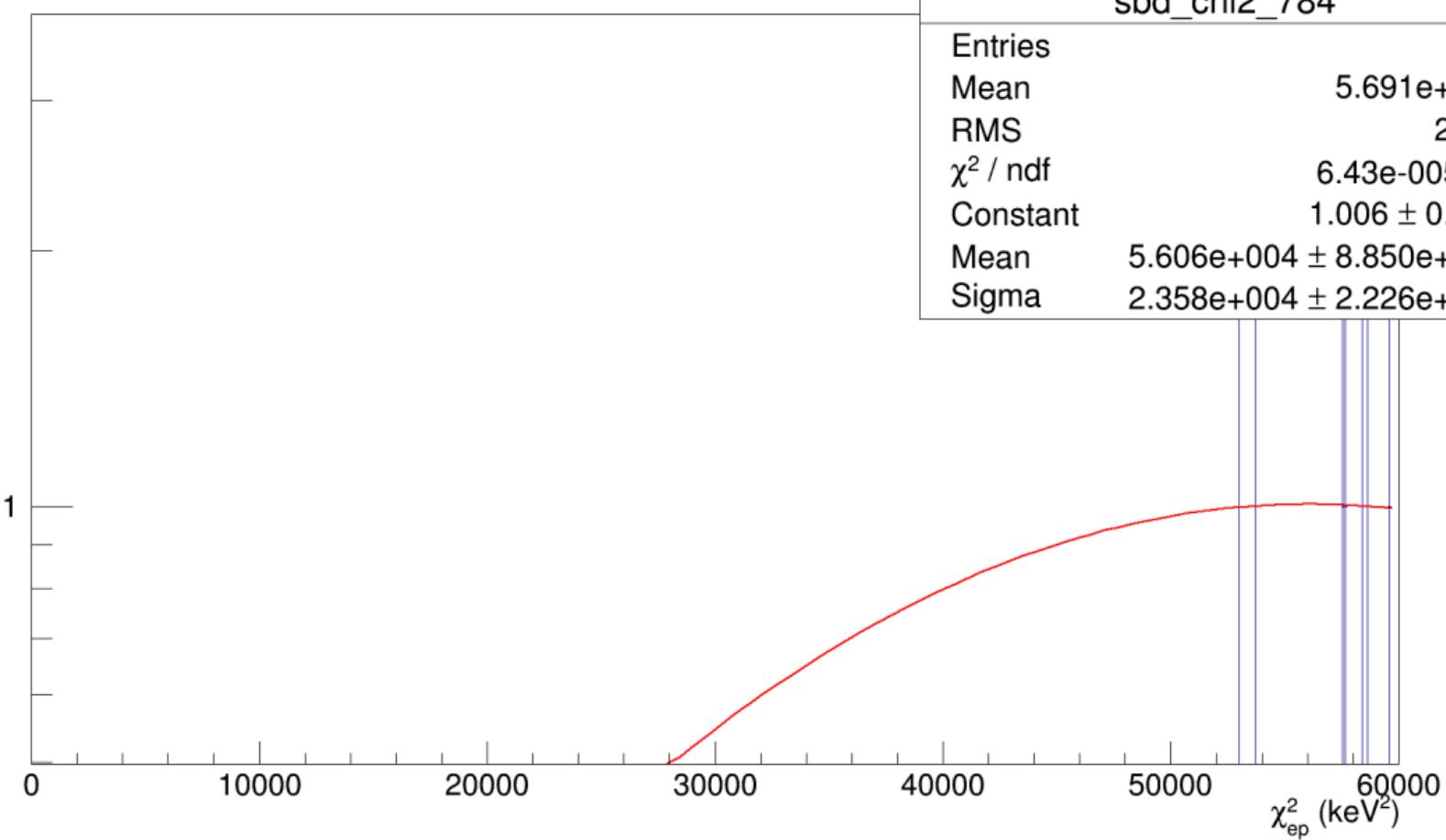
probability



sbd_chi2_783	
Entries	117
Mean	5.811e+004
RMS	1137
χ^2 / ndf	0.6124 / 4
Constant	1.442 ± 0.744
Mean	5.85e+004 ± 1.58e+003
Sigma	2097 ± 2554.8

χ^2_{ep} from 784.00 keV to 785.00 keV

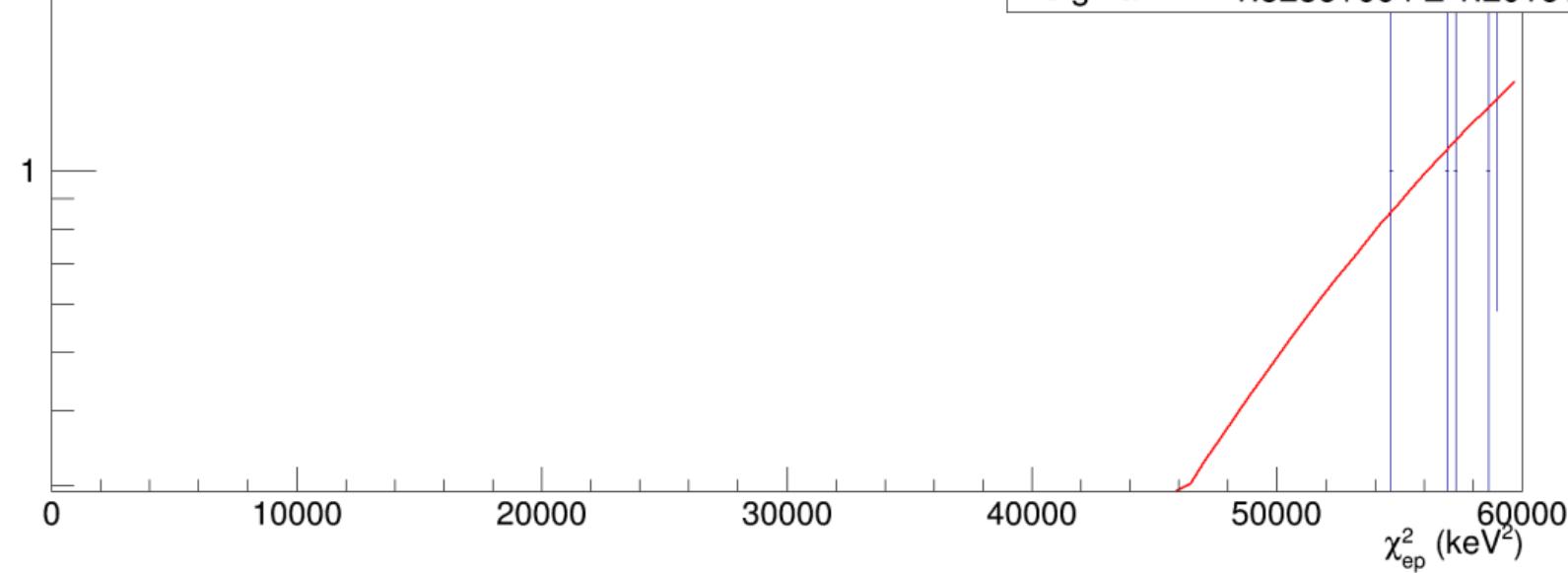
probability



sbd_chi2_784	
Entries	73
Mean	5.691e+004
RMS	2378
χ^2 / ndf	6.43e-005 / 4
Constant	1.006 ± 0.402
Mean	5.606e+004 ± 8.850e+004
Sigma	2.358e+004 ± 2.226e+004

χ^2_{ep} from 785.00 keV to 786.00 keV

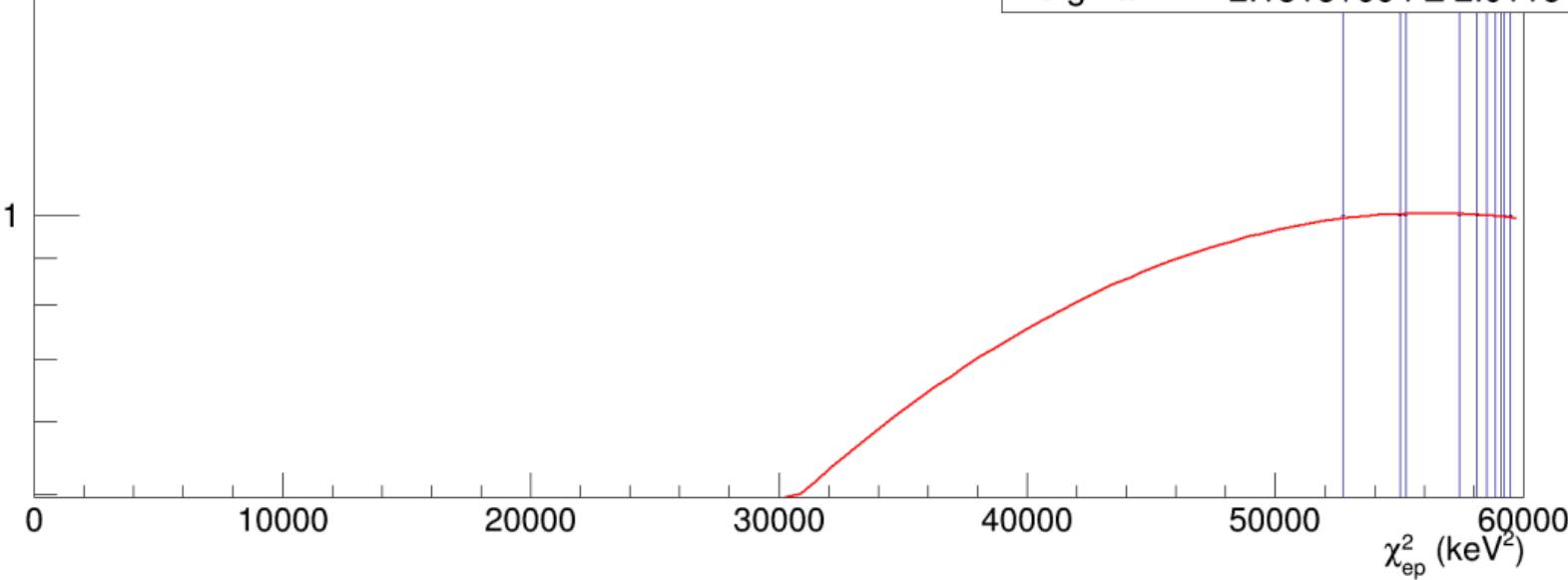
probability



sbd_chi2_785	
Entries	95
Mean	5.76e+004
RMS	1505
χ^2 / ndf	0.352 / 2
Constant	3.473 ± 25.718
Mean	$8.027e+004 \pm 7.594e+004$
Sigma	$1.528e+004 \pm 1.201e+004$

χ^2_{ep} from 786.00 keV to 787.00 keV

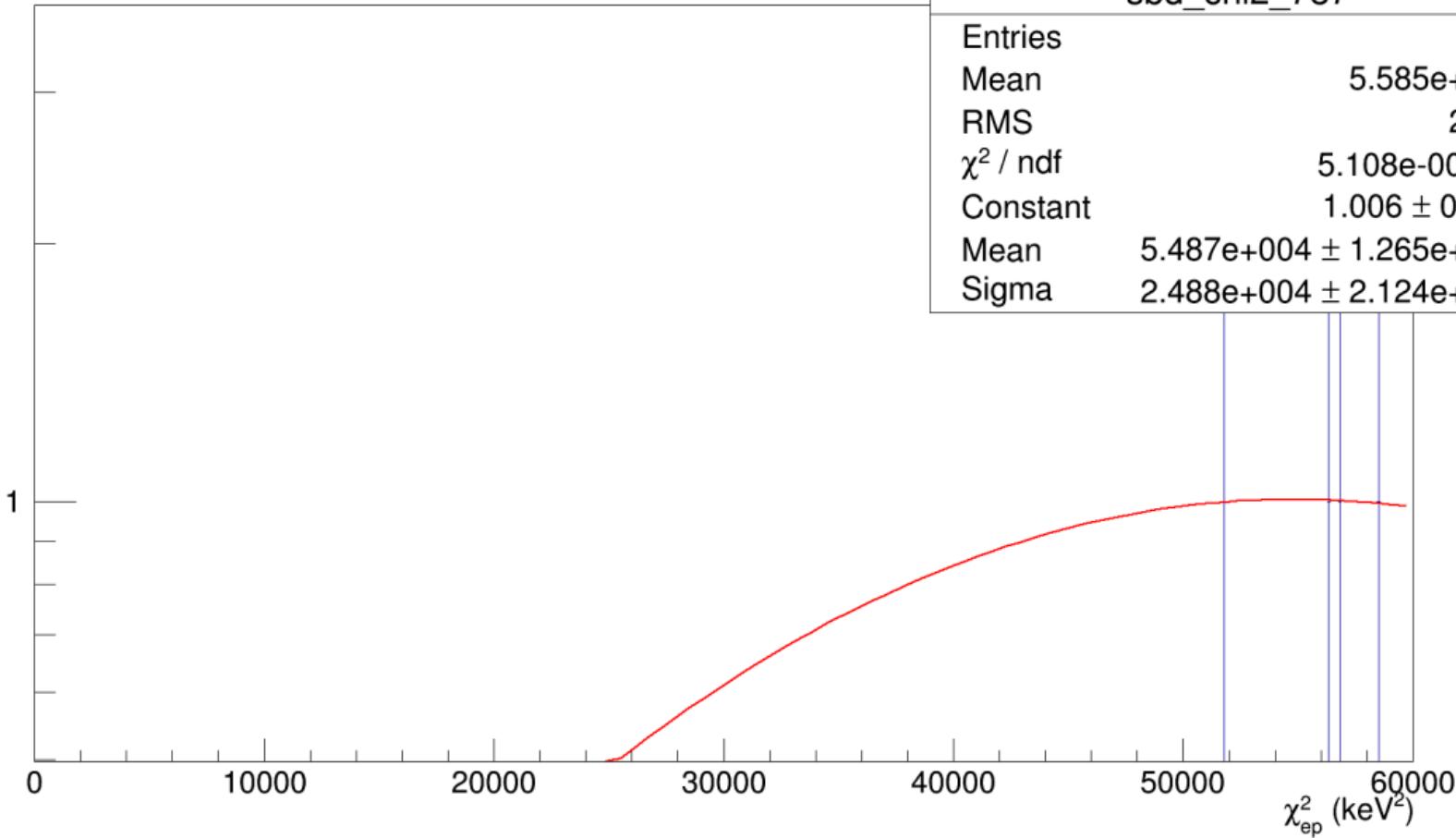
probability



sbd_chi2_786	
Entries	99
Mean	5.738e+004
RMS	2133
χ^2 / ndf	0.0001675 / 7
Constant	1.006 ± 0.345
Mean	5.635e+004 ± 6.472e+004
Sigma	2.151e+004 ± 2.011e+004

χ^2_{ep} from 787.00 keV to 788.00 keV

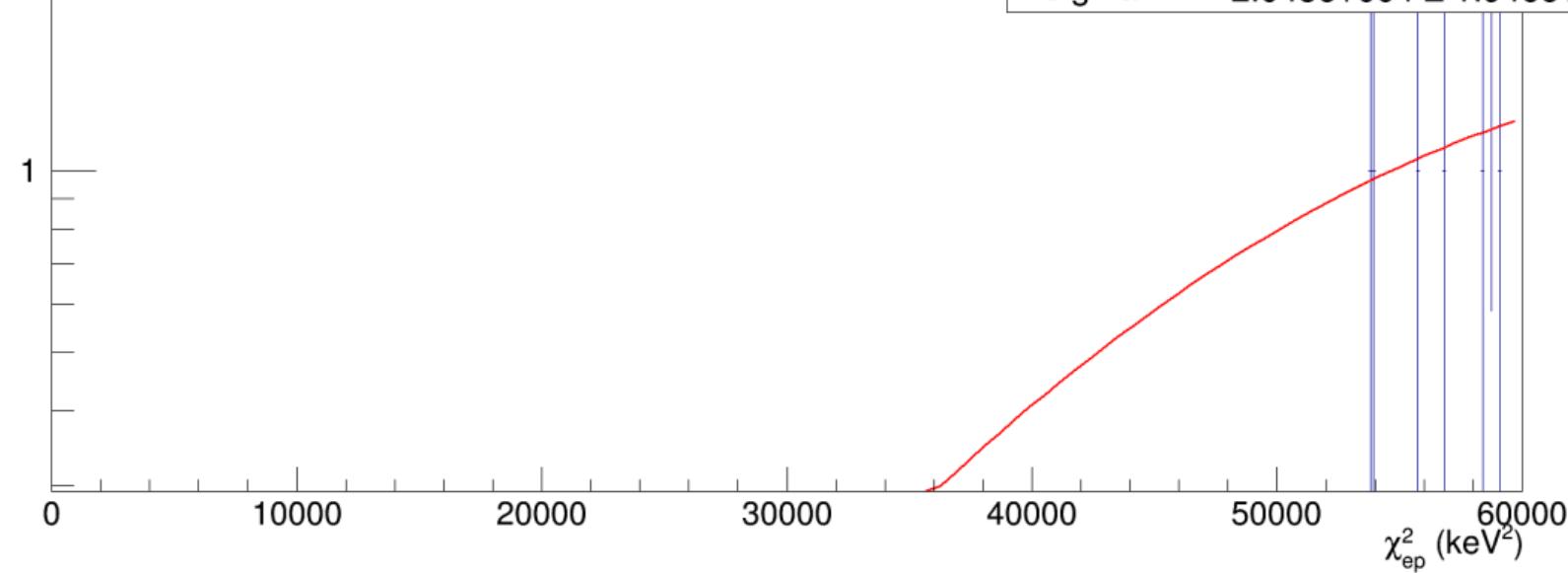
probability



sbd_chi2_787	
Entries	96
Mean	5.585e+004
RMS	2484
χ^2 / ndf	5.108e-005 / 1
Constant	1.006 ± 0.549
Mean	5.487e+004 ± 1.265e+005
Sigma	2.488e+004 ± 2.124e+004

χ^2_{ep} from 788.00 keV to 789.00 keV

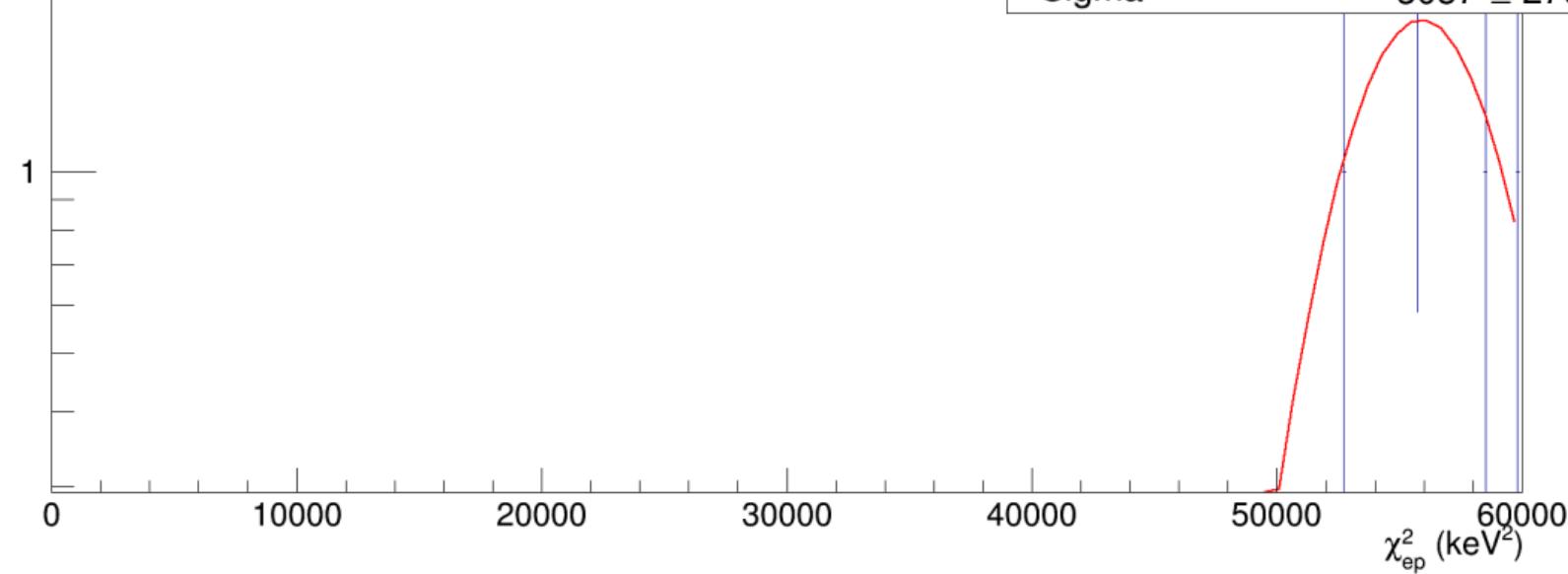
probability



sbd_chi2_788	
Entries	95
Mean	5.691e+004
RMS	2018
χ^2 / ndf	0.4155 / 4
Constant	1.493 ± 4.526
Mean	7.296e+004 ± 7.920e+004
Sigma	2.043e+004 ± 1.946e+004

χ^2_{ep} from 789.00 keV to 790.00 keV

probability

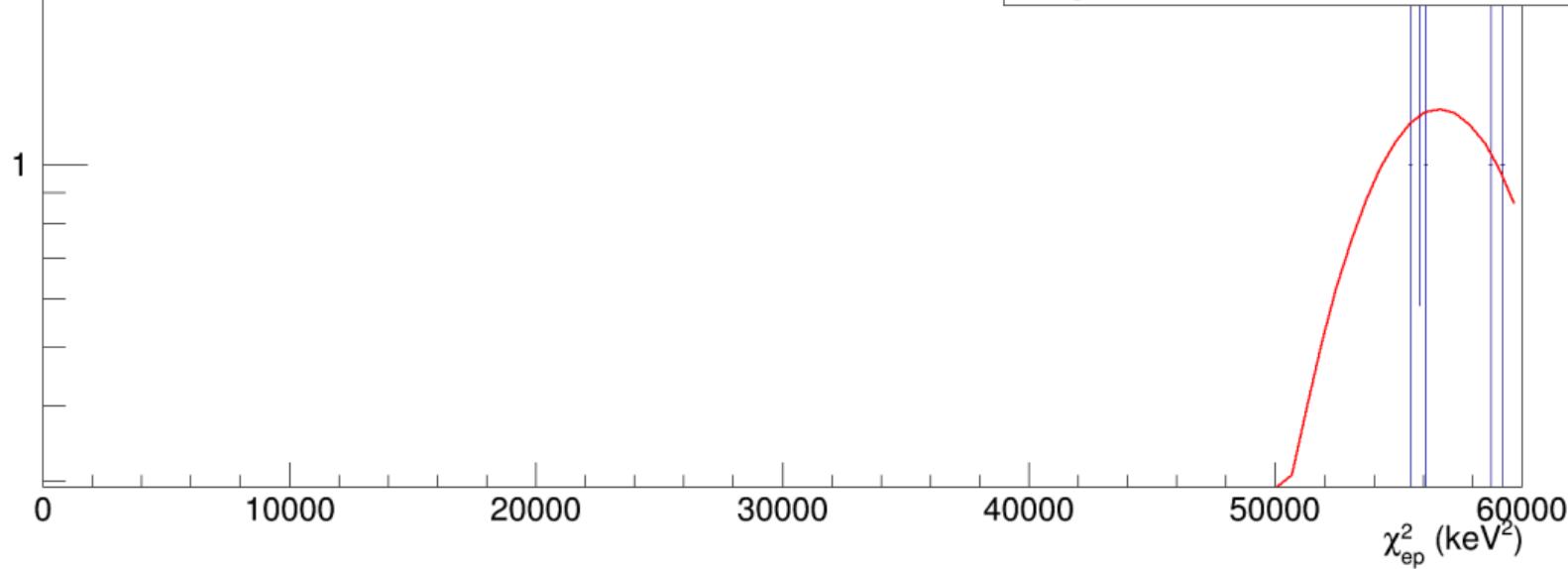


sbd_chi2_789	
Entries	83
Mean	5.651e+004
RMS	2479
χ^2 / ndf	0.1314 / 1
Constant	1.79 ± 1.37
Mean	5.59e+004 ± 1.73e+003
Sigma	3057 ± 2708.7

χ^2_{ep} from 790.00 keV to 791.00 keV

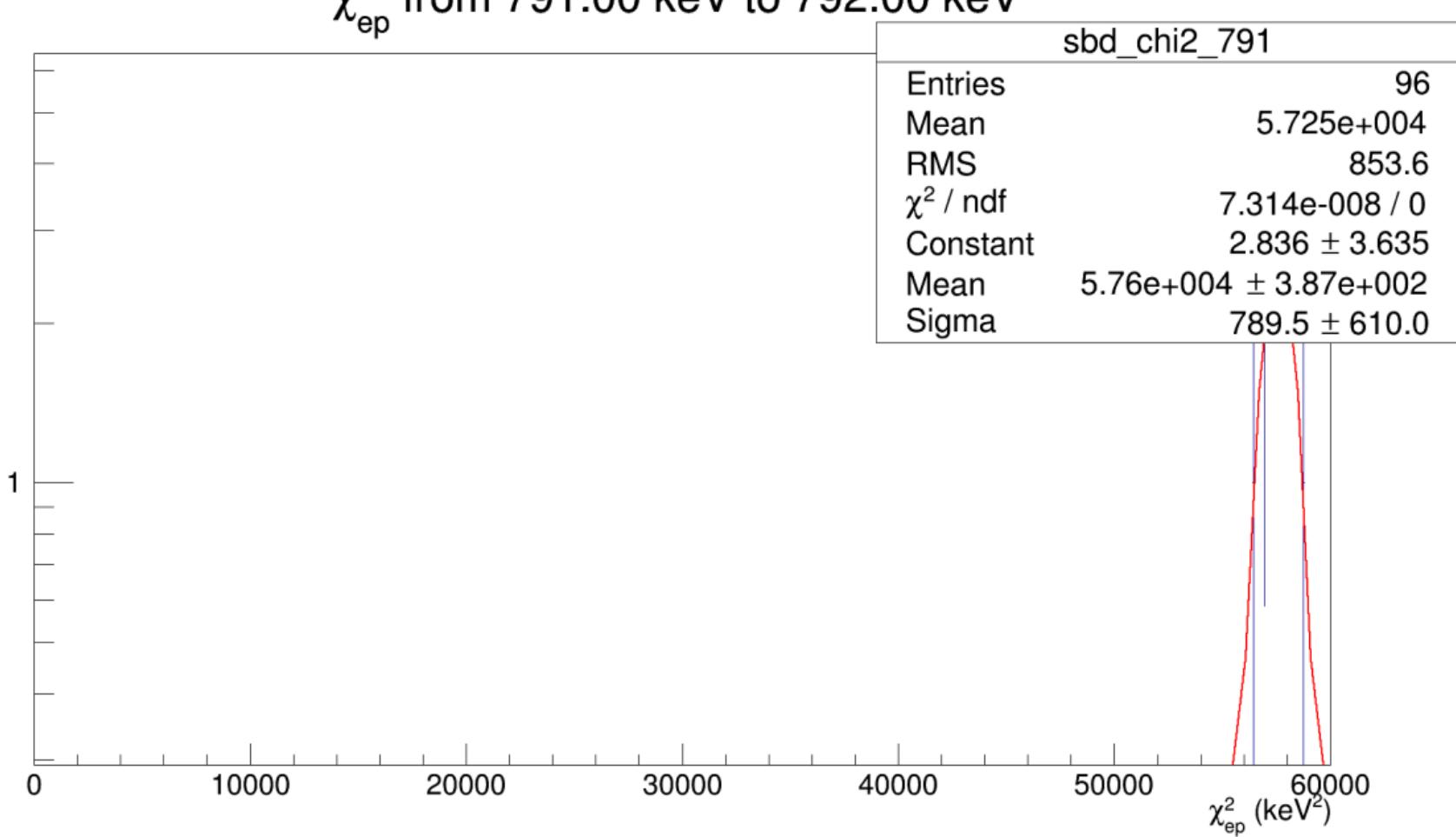
probability

sbd_chi2_790	
Entries	83
Mean	5.688e+004
RMS	1510
χ^2 / ndf	0.398 / 2
Constant	1.236 ± 1.303
Mean	5.667e+004 ± 8.987e+003
Sigma	3576 ± 12160.5



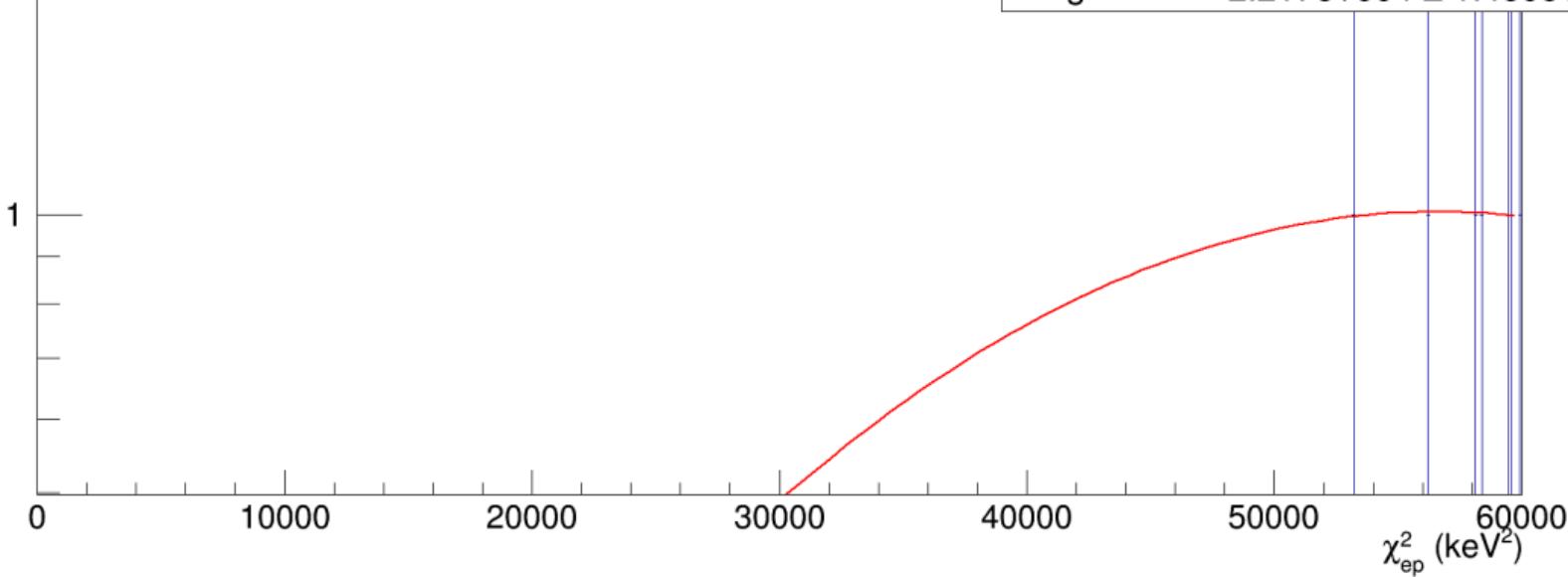
χ^2_{ep} from 791.00 keV to 792.00 keV

probability



χ^2_{ep} from 792.00 keV to 793.00 keV

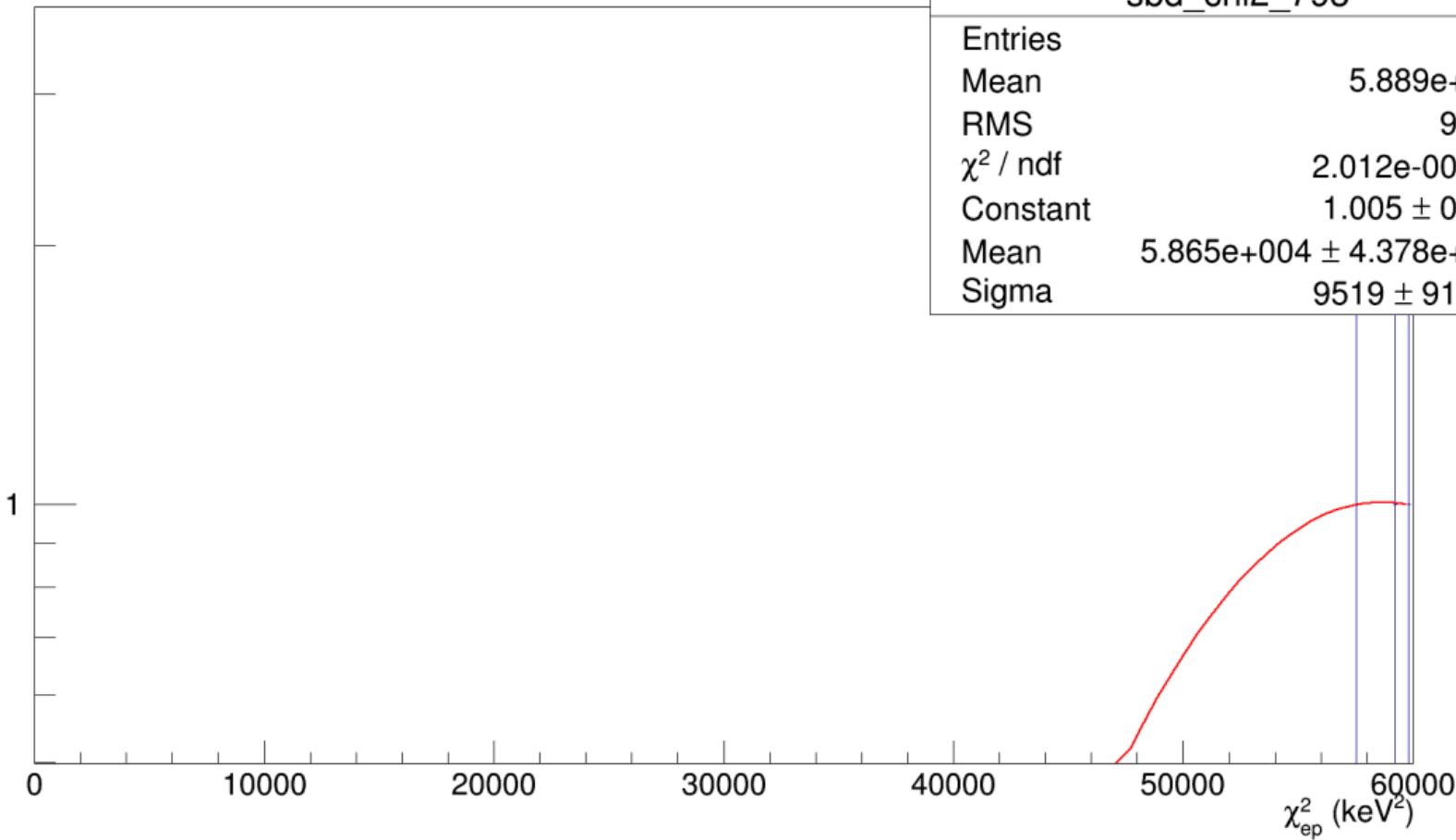
probability



sbd_chi2_792	
Entries	102
Mean	5.785e+004
RMS	2214
χ^2 / ndf	0.0001277 / 4
Constant	1.006 ± 0.431
Mean	5.667e+004 ± 8.448e+004
Sigma	2.217e+004 ± 1.460e+004

χ^2_{ep} from 793.00 keV to 794.00 keV

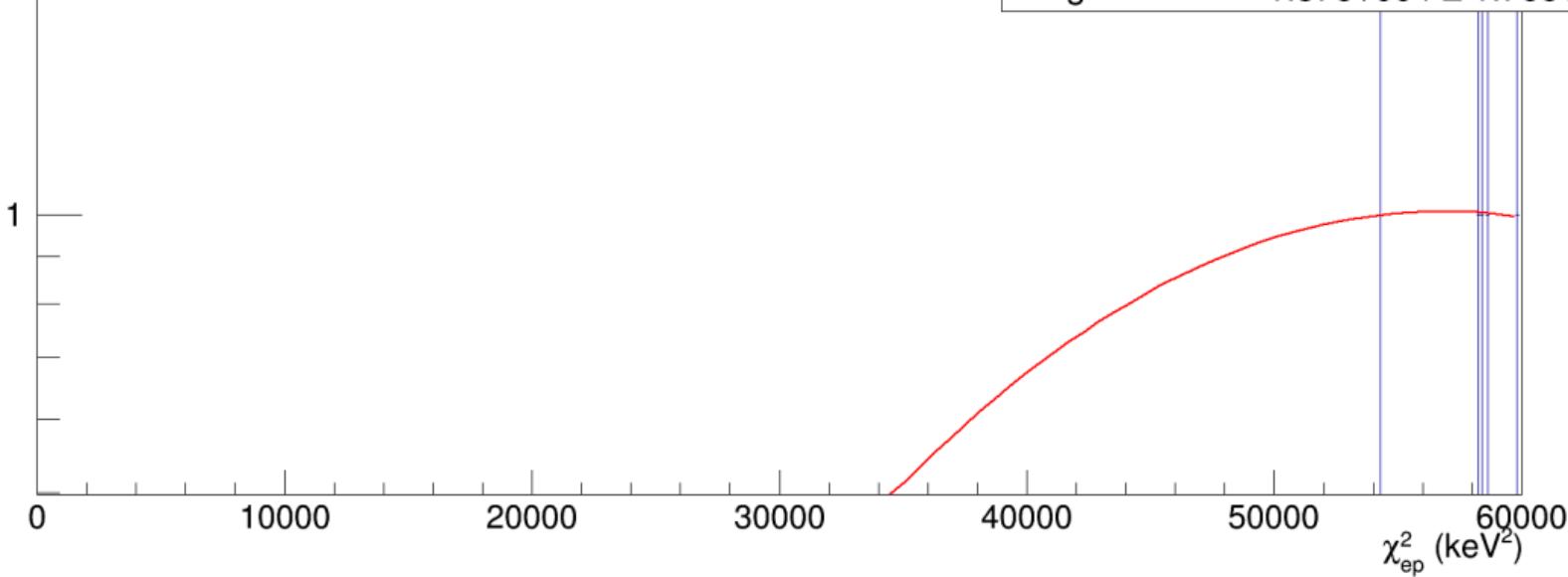
probability



sbd_chi2_793	
Entries	98
Mean	5.889e+004
RMS	952.4
χ^2 / ndf	2.012e-005 / 0
Constant	1.005 ± 0.729
Mean	5.865e+004 ± 4.378e+004
Sigma	9519 ± 9116.0

χ^2_{ep} from 794.00 keV to 795.00 keV

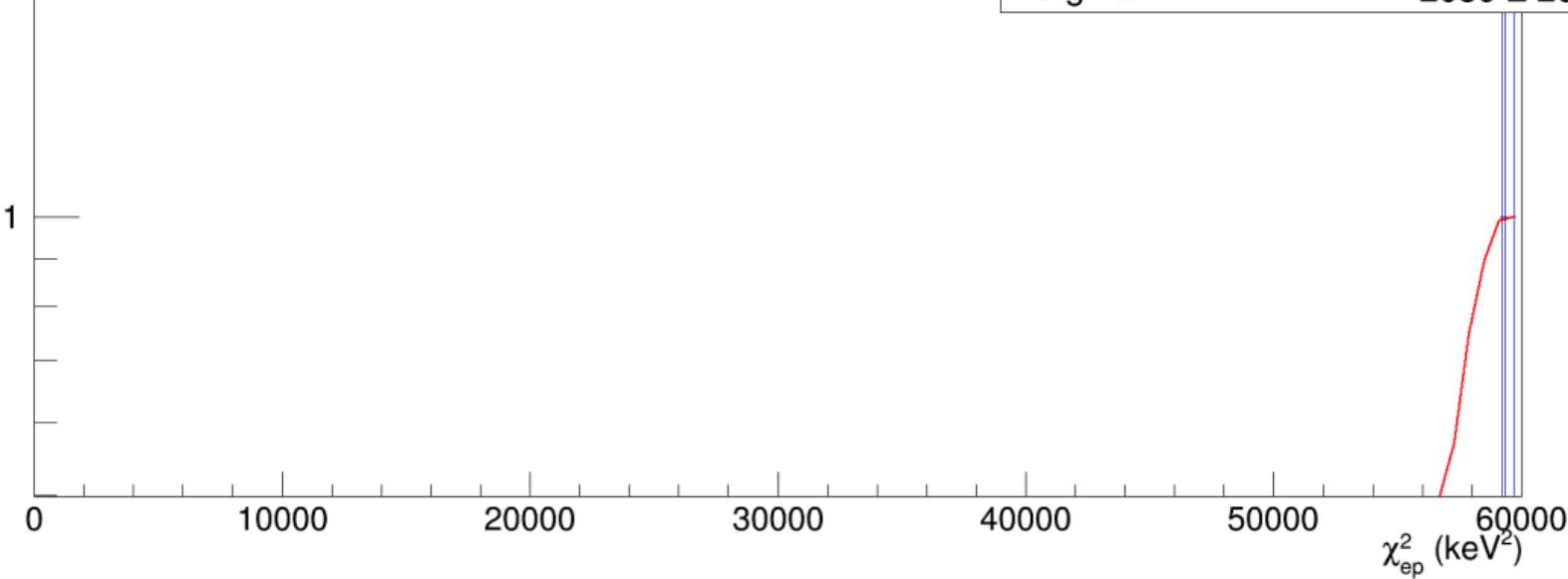
probability



sbd_chi2_794	
Entries	87
Mean	5.787e+004
RMS	1876
χ^2 / ndf	7.213e-005 / 2
Constant	1.007 ± 0.507
Mean	5.681e+004 ± 6.189e+004
Sigma	1.87e+004 ± 1.76e+004

χ^2_{ep} from 795.00 keV to 796.00 keV

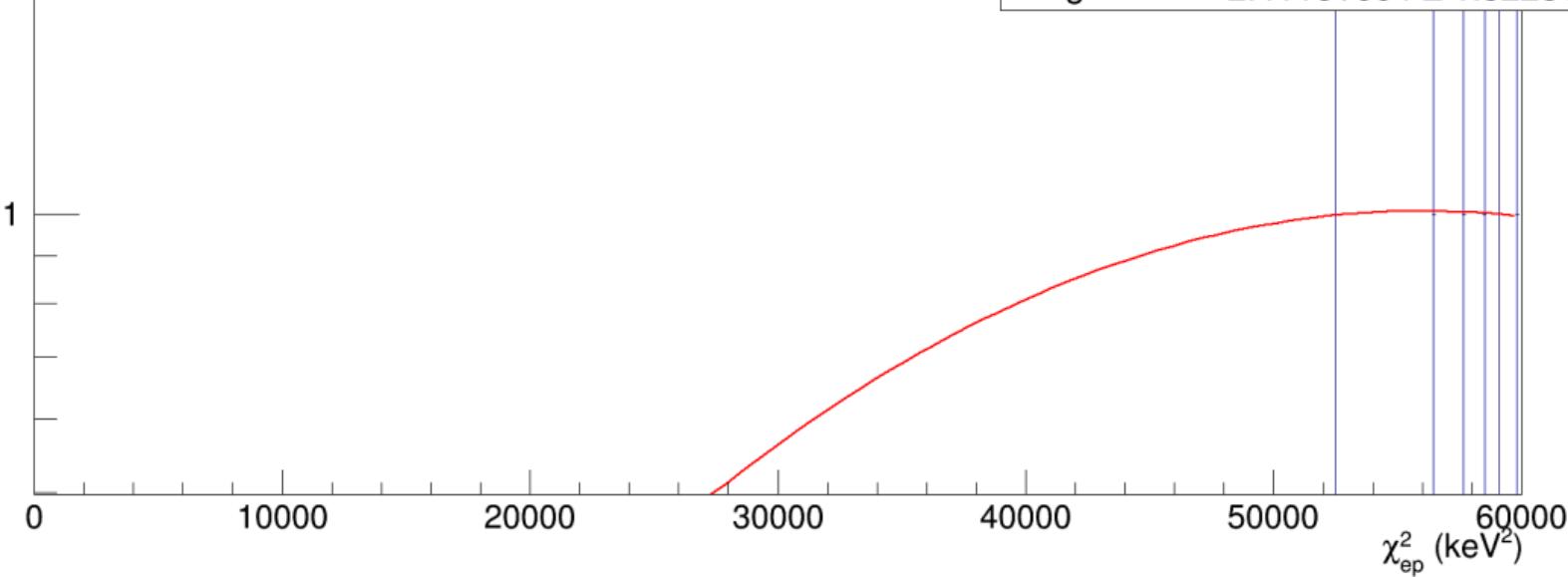
probability



sbd_chi2_795	
Entries	87
Mean	5.939e+004
RMS	204.7
χ^2 / ndf	1.688e-005 / 0
Constant	1.005 ± 0.600
Mean	5.947e+004 ± 1.166e+004
Sigma	2039 ± 2036.1

χ^2_{ep} from 796.00 keV to 797.00 keV

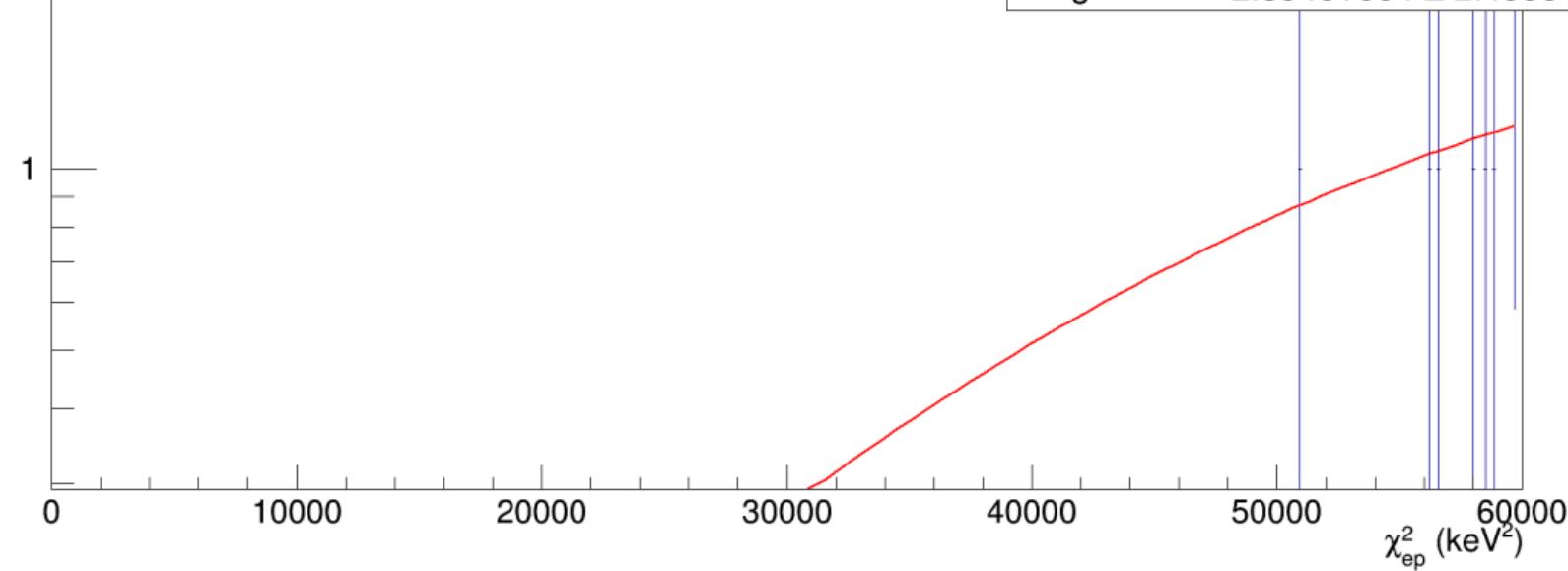
probability



sbd_chi2_796	
Entries	96
Mean	5.734e+004
RMS	2426
χ^2 / ndf	0.0001144 / 3
Constant	1.006 ± 0.459
Mean	5.602e+004 ± 9.646e+004
Sigma	2.411e+004 ± 1.522e+004

χ^2_{ep} from 797.00 keV to 798.00 keV

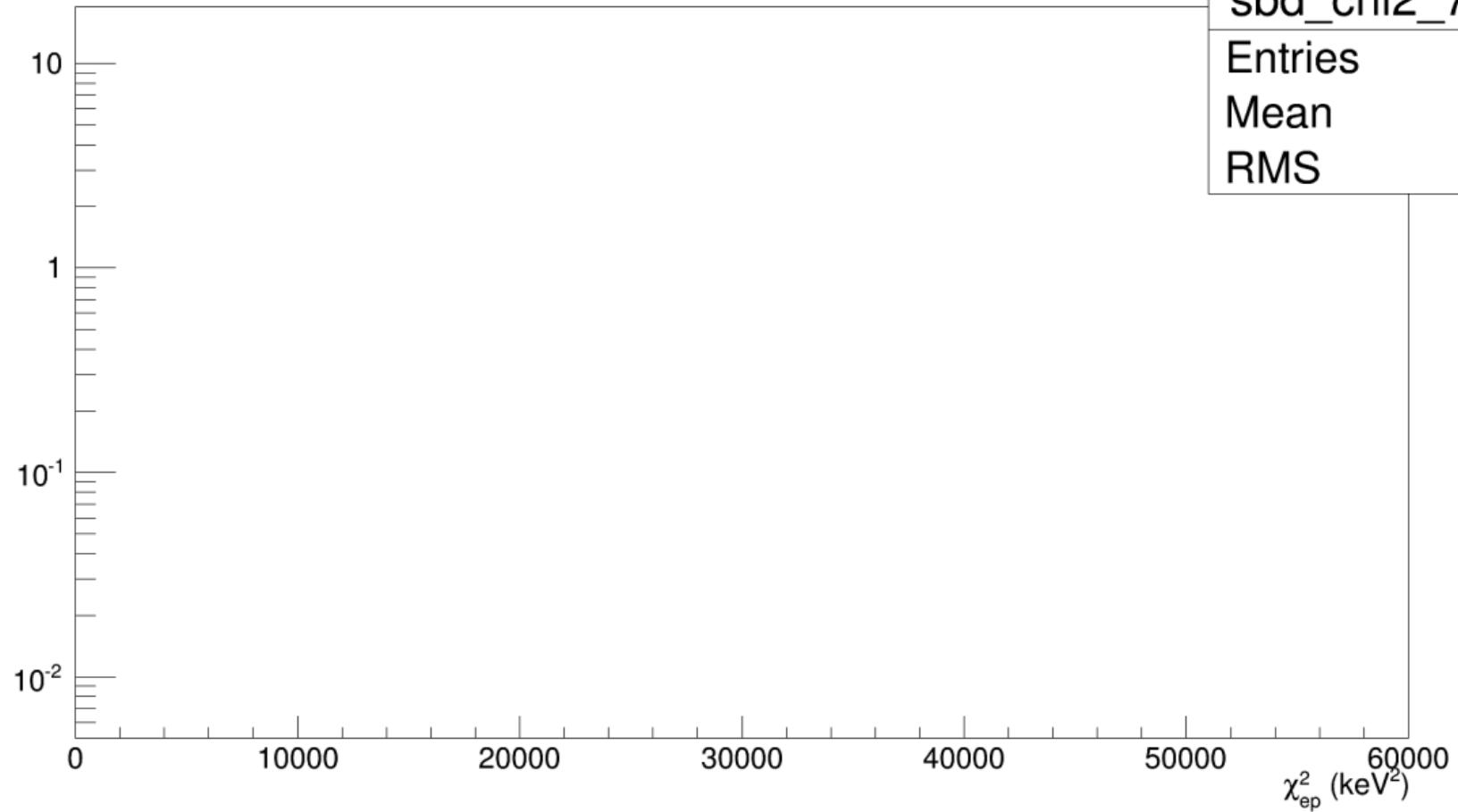
probability



sbd_chi2_797	
Entries	89
Mean	5.732e+004
RMS	2692
χ^2 / ndf	0.4187 / 4
Constant	1.593 ± 6.392
Mean	8.062e+004 ± 1.239e+005
Sigma	2.694e+004 ± 2.499e+004

χ^2_{ep} from 798.00 keV to 799.00 keV

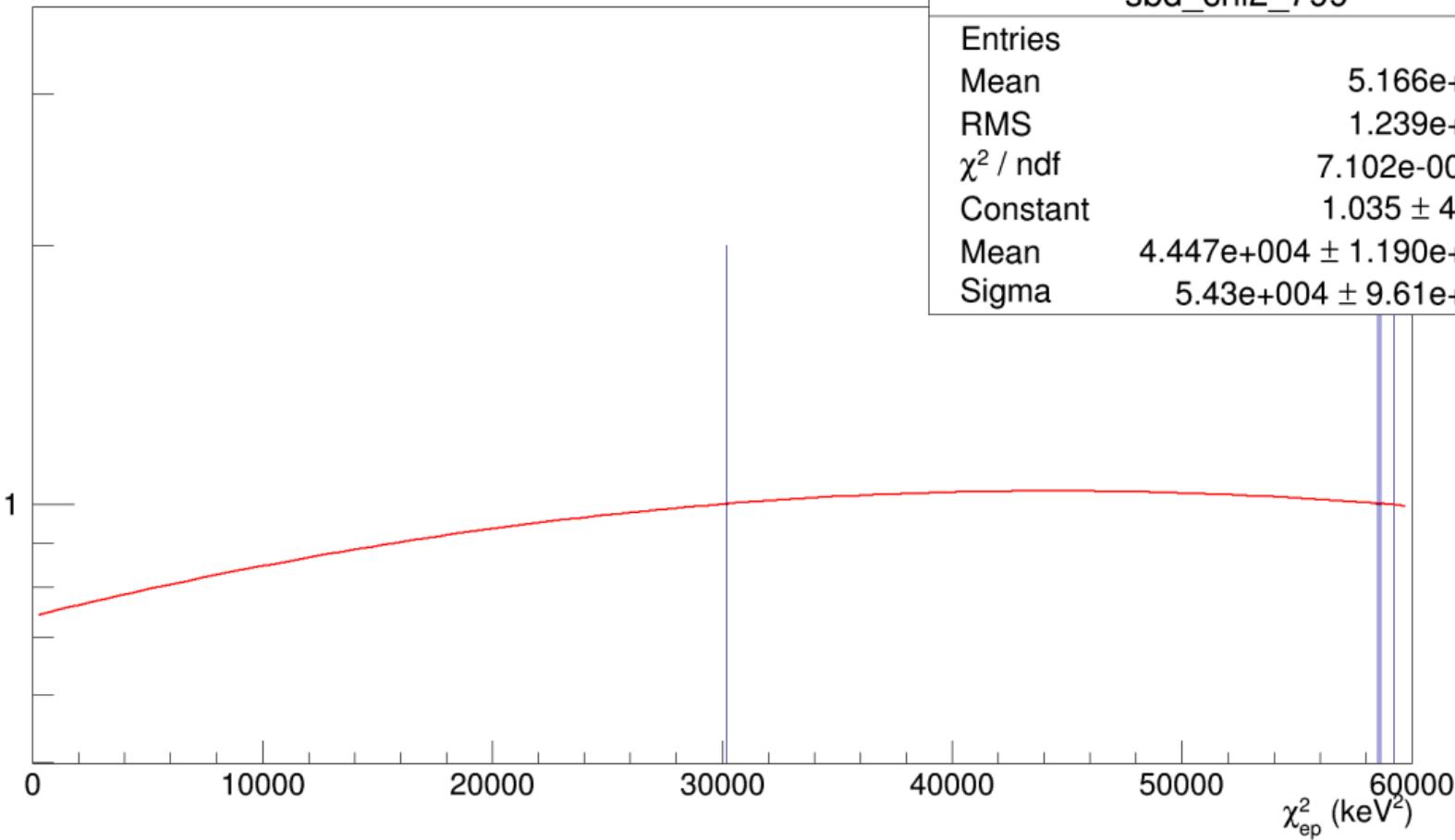
probability



sbd_chi2_798	
Entries	100
Mean	0
RMS	0

χ^2_{ep} from 799.00 keV to 800.00 keV

probability



χ^2_{ep} vs E_e 