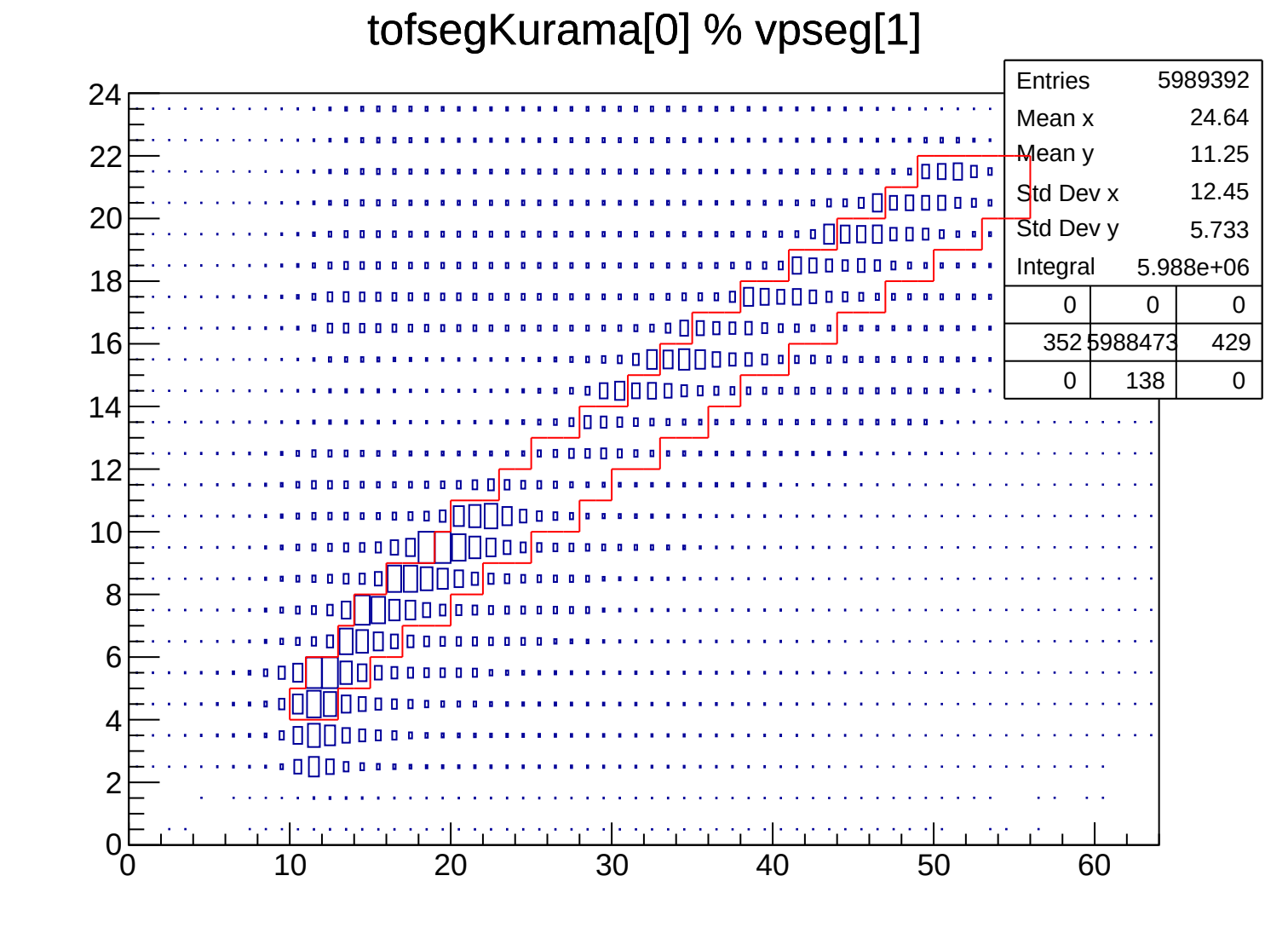
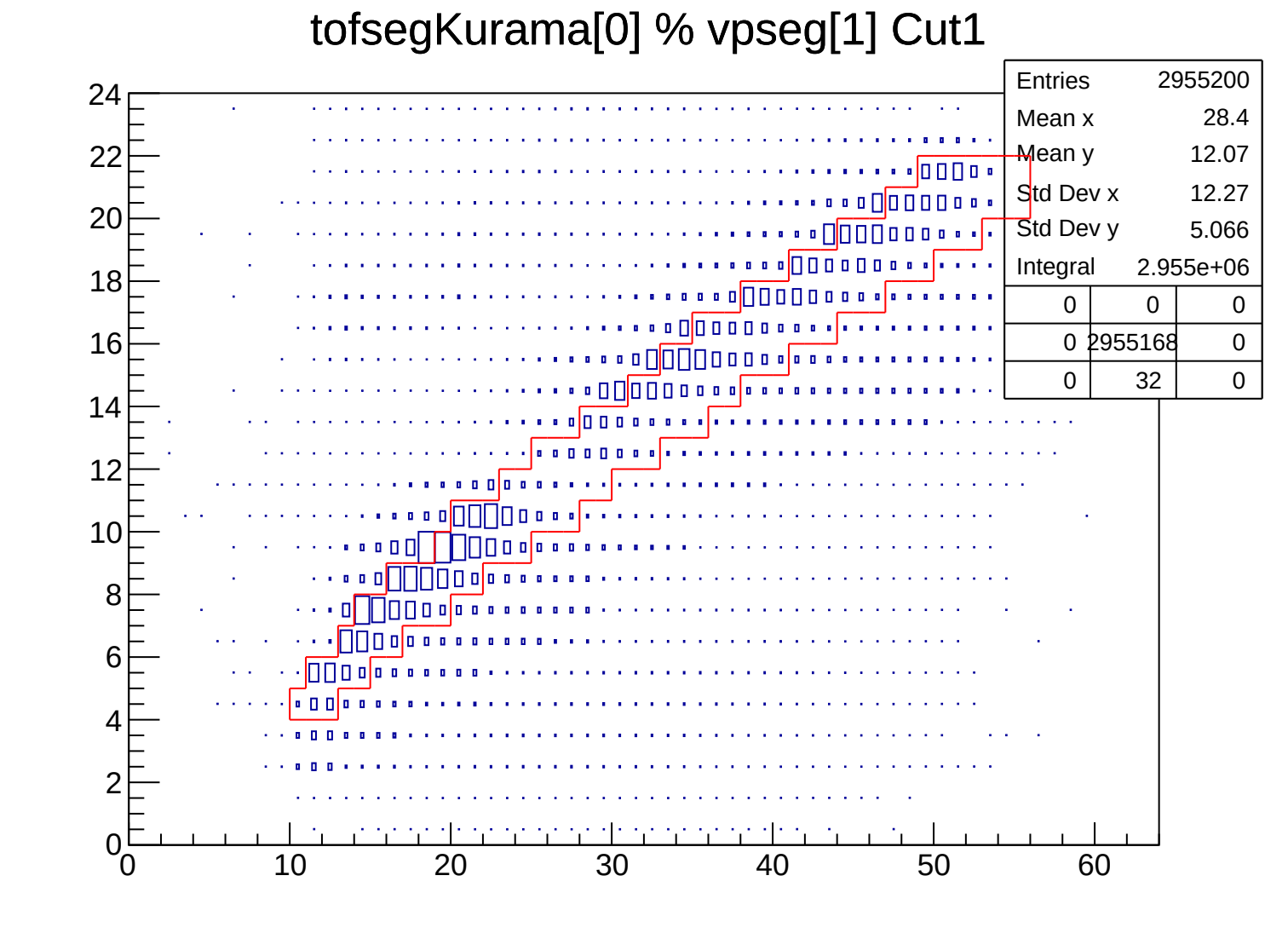
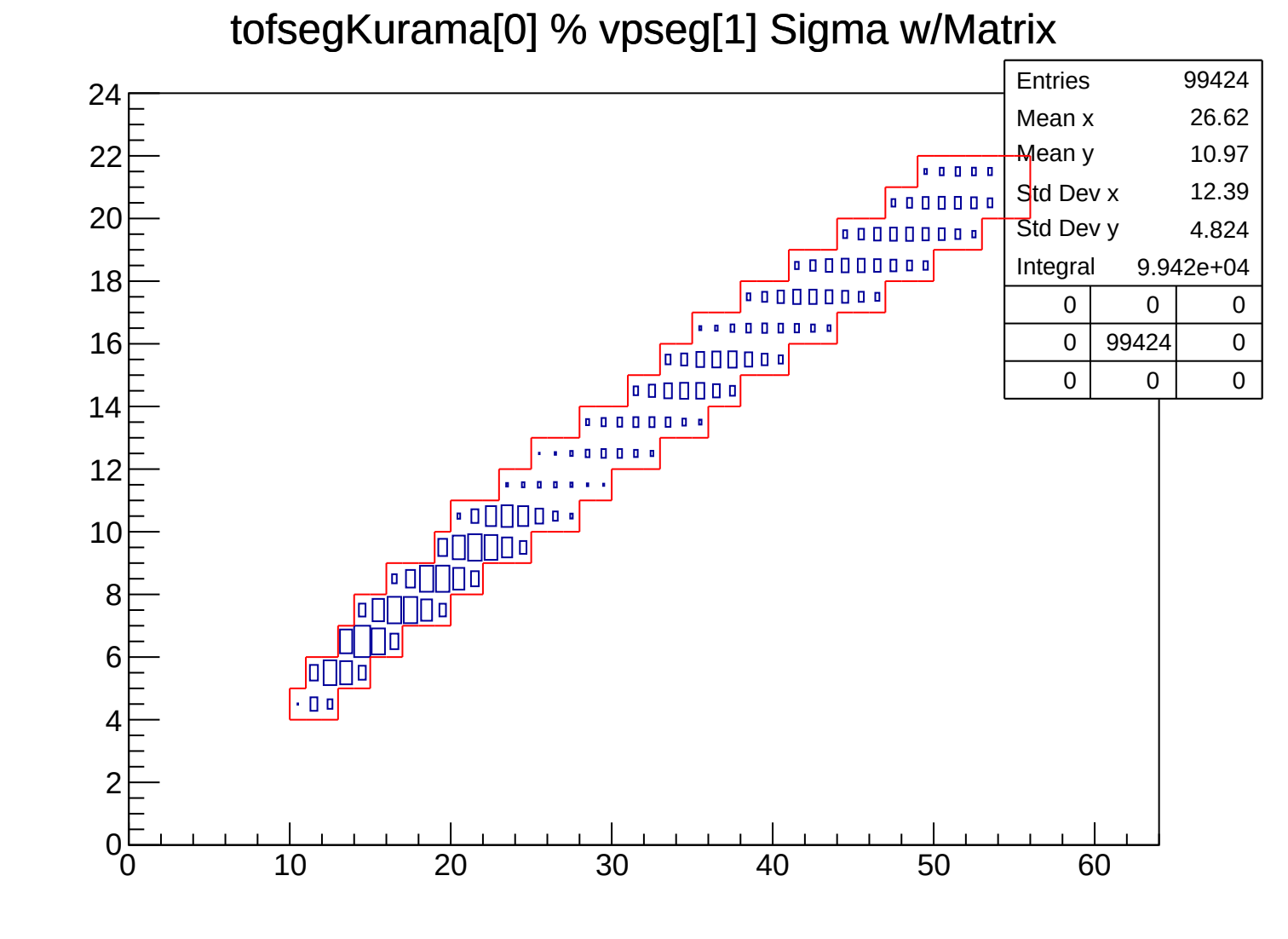
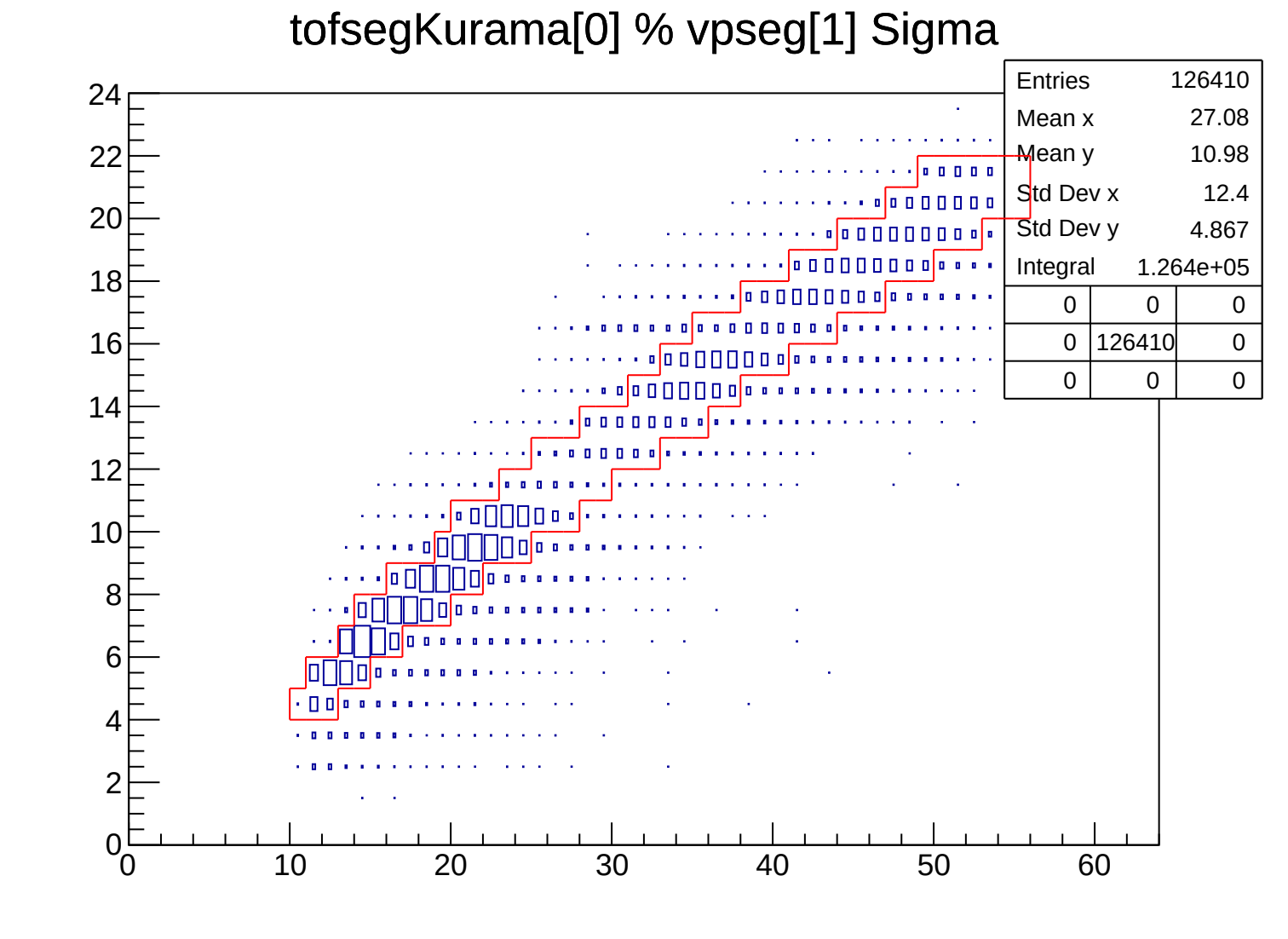
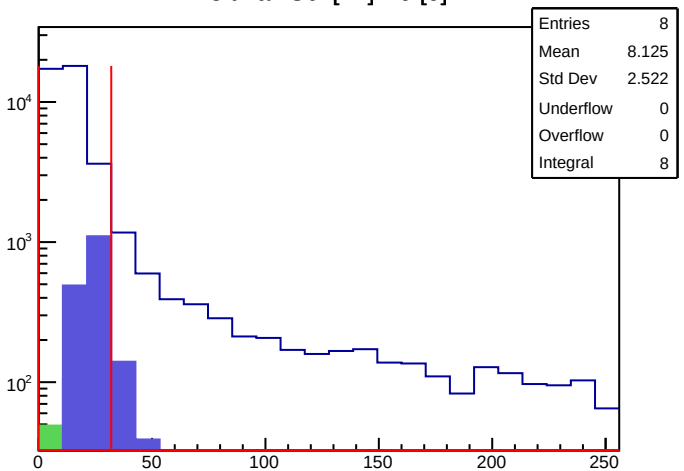
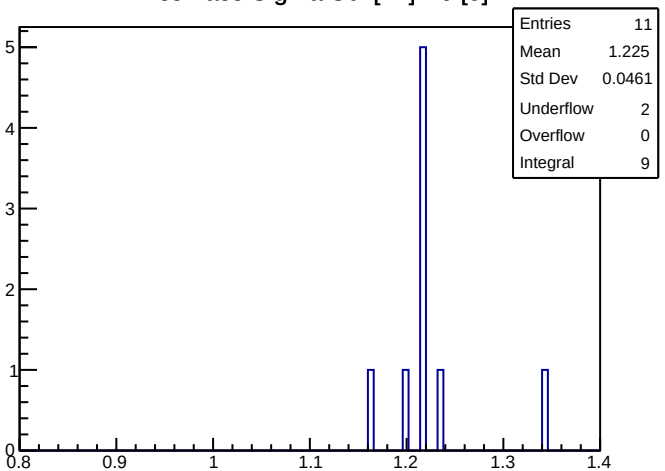

tofsegKurama[0] % vpseg[1]
Entries 5989392
Mean x 24.64
Mean y 11.25
Std Dev x 12.45
Std Dev y 5.733
Integral 5.988e+06
0 0 0
352 5988473 429
0 138 0
0 2 4 6 8 10 12 14 16 18 20 22 24
0 10 20 30 40 50 60

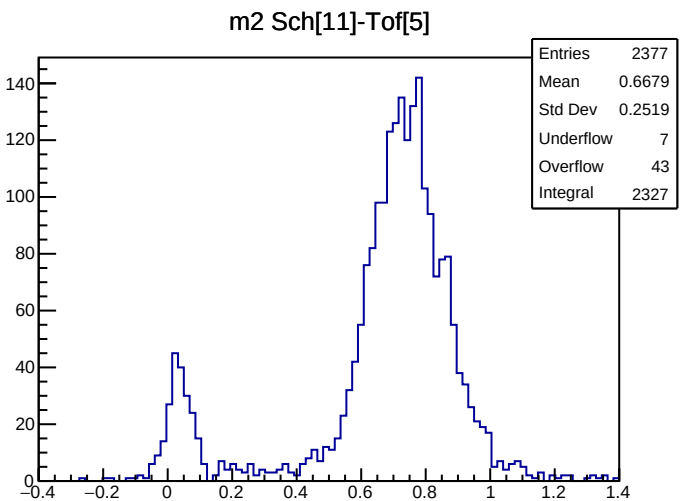

tofsegKurama[0] % vpseg[1] Cut1
Entries 2955200
Mean x 28.4
Mean y 12.07
Std Dev x 12.27
Std Dev y 5.066
Integral 2.955e+06
0 0 0
0 2955168 0
0 32 0
0 2 4 6 8 10 12 14 16 18 20 22 24
0 10 20 30 40 50 60

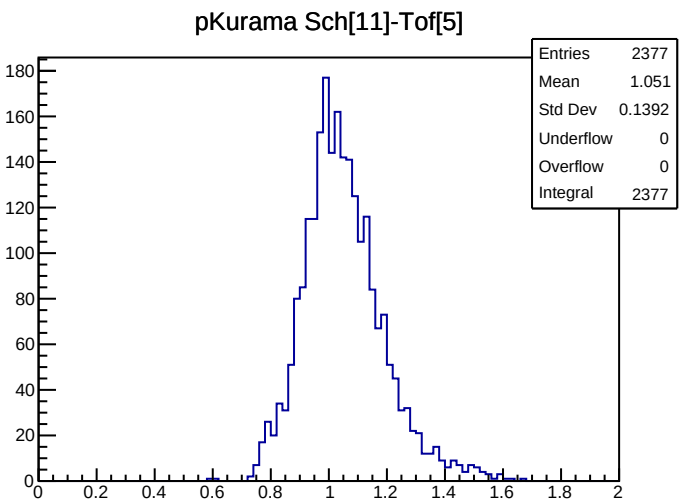

tofsegKurama[0] % vpseg[1] Sigma w/Matrix
Entries 99424
Mean x 26.62
Mean y 10.97
Std Dev x 12.39
Std Dev y 4.824
Integral 9.942e+04
0 0 0
0 99424 0
0 0 0
0
2
4
6
8
10
12
14
16
18
20
22
24
0
10
20
30
40
50
60

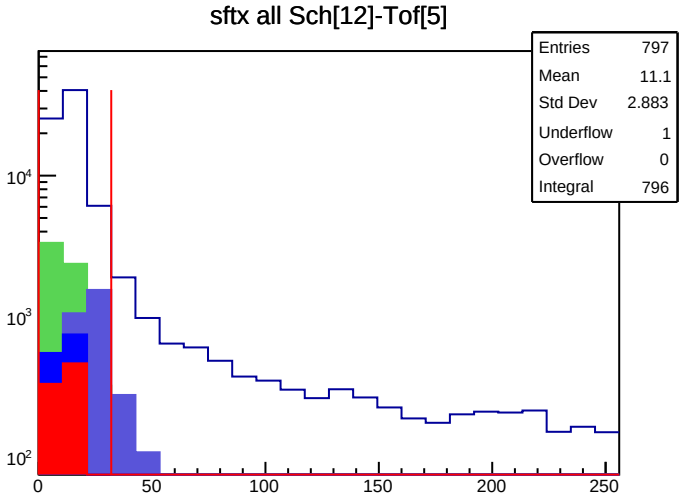

tofsegKurama[0] % vpseg[1] Sigma
Entries 126410
Mean x 27.08
Mean y 10.98
Std Dev x 12.4
Std Dev y 4.867
Integral 1.264e+05
0 0 0
0 126410 0
0 0 0
0
2
4
6
8
10
12
14
16
18
20
22
24
0
10
20
30
40
50
60

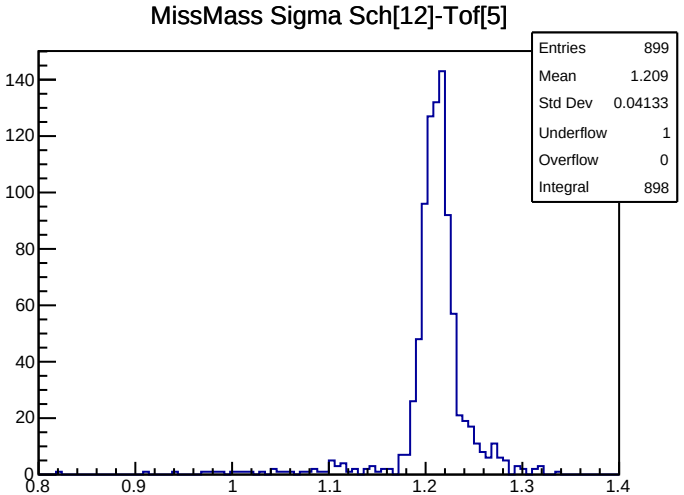

sftx all Sch[11]-Tof[5]
Entries 8
Mean 8.125
Std Dev 2.522
Underflow 0
Overflow 0
Integral 8

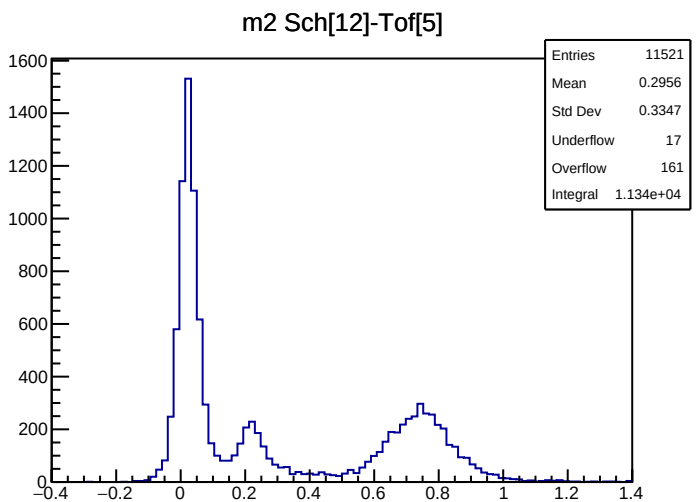

MissMass Sigma Sch[11]-Tof[5]
Entries 11
Mean 1.225
Std Dev 0.0461
Underflow 2
Overflow 0
Integral 9

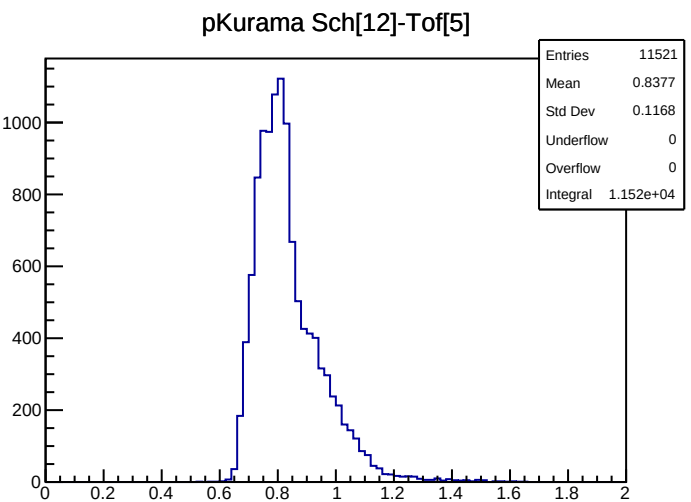

m2 Sch[11]-Tof[5]
Entries 2377
Mean 0.6679
Std Dev 0.2519
Underflow 7
Overflow 43
Integral 2327

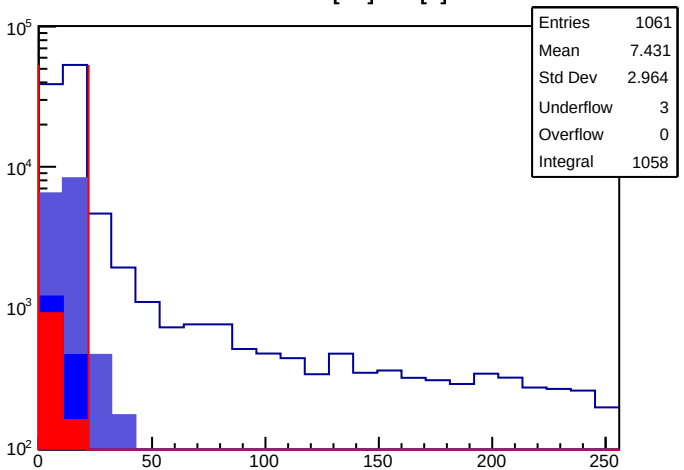

pKurama Sch[11]-Tof[5]
Entries 2377
Mean 1.051
Std Dev 0.1392
Underflow 0
Overflow 0
Integral 2377

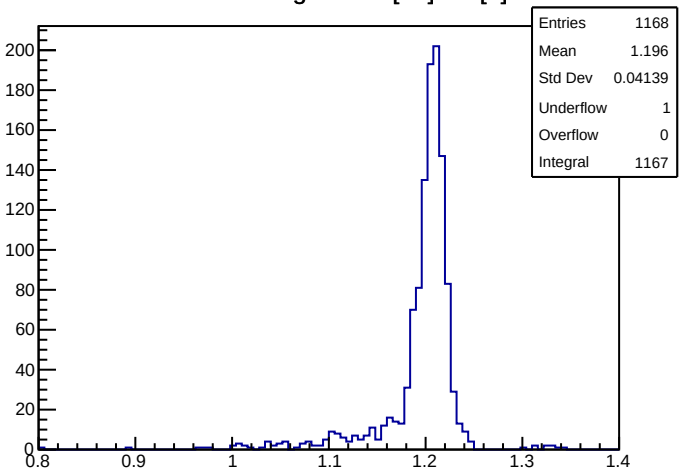

sftx all Sch[12]-Tof[5]
Entries 797
Mean 11.1
Std Dev 2.883
Underflow 1
Overflow 0
Integral 796
10^4
10^3
10^2
0 50 100 150 200 250

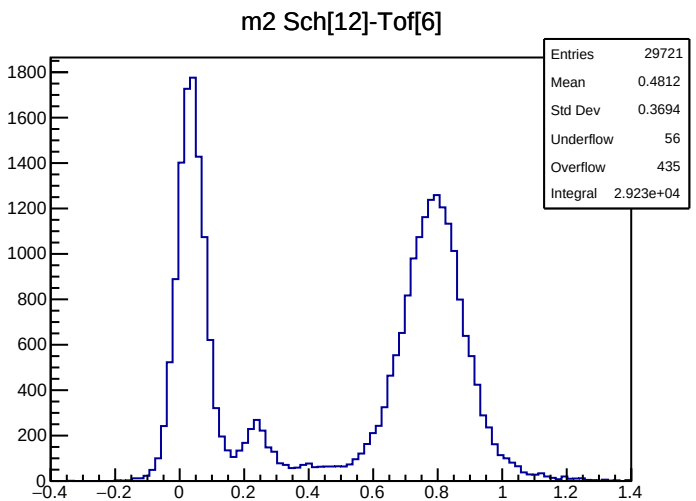

MissMass Sigma Sch[12]-Tof[5]
Entries 899
Mean 1.209
Std Dev 0.04133
Underflow 1
Overflow 0
Integral 898
140 120 100 80 60 40 20 0
0.8 0.9 1 1.1 1.2 1.3 1.4

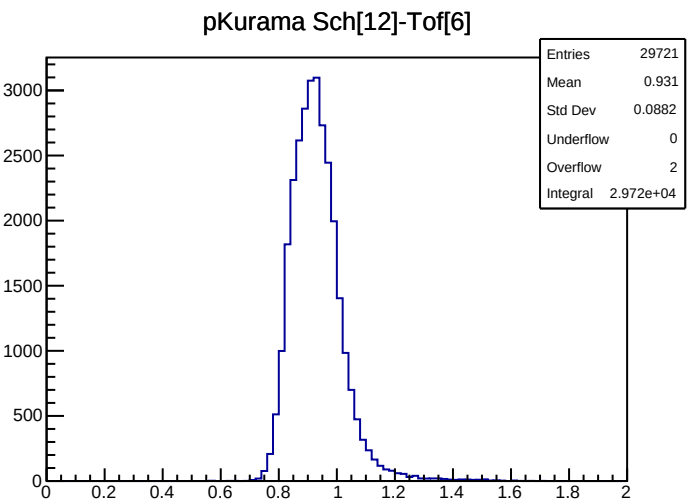

m2 Sch[12]-Tof[5]
Entries 11521
Mean 0.2956
Std Dev 0.3347
Underflow 17
Overflow 161
Integral 1.134e+04
1600 1400 1200 1000 800 600 400 200 0
−0.4 −0.2 0 0.2 0.4 0.6 0.8 1 1.2 1.4

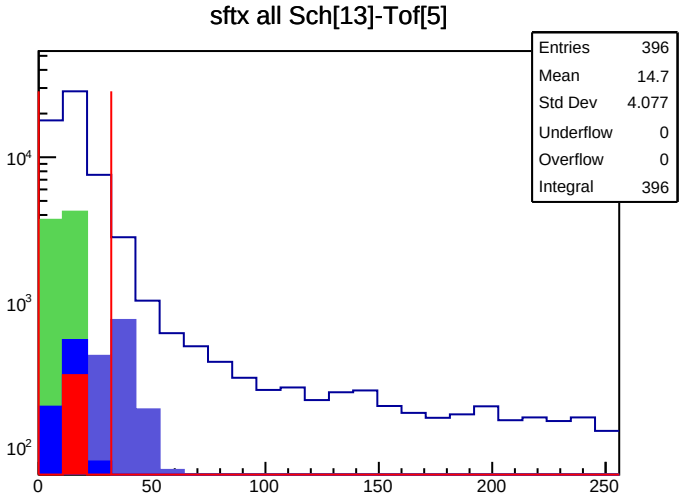

pKurama Sch[12]-Tof[5]
Entries 11521
Mean 0.8377
Std Dev 0.1168
Underflow 0
Overflow 0
Integral 1.152e+04
1000 800 600 400 200 0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

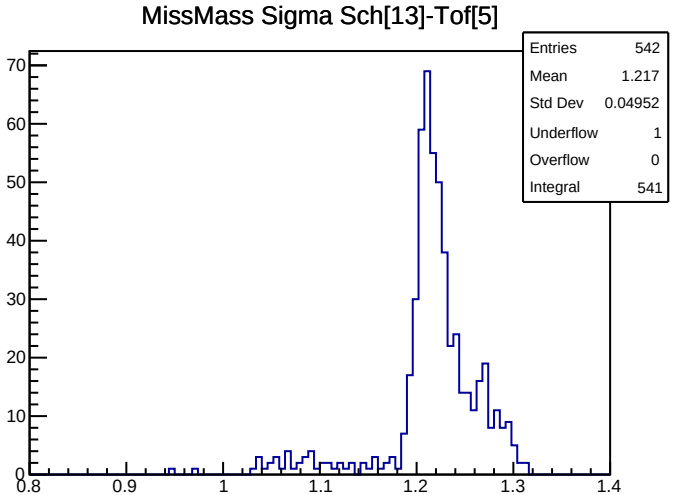

sftx all Sch[12]-Tof[6]
Entries 1061
Mean 7.431
Std Dev 2.964
Underflow 3
Overflow 0
Integral 1058

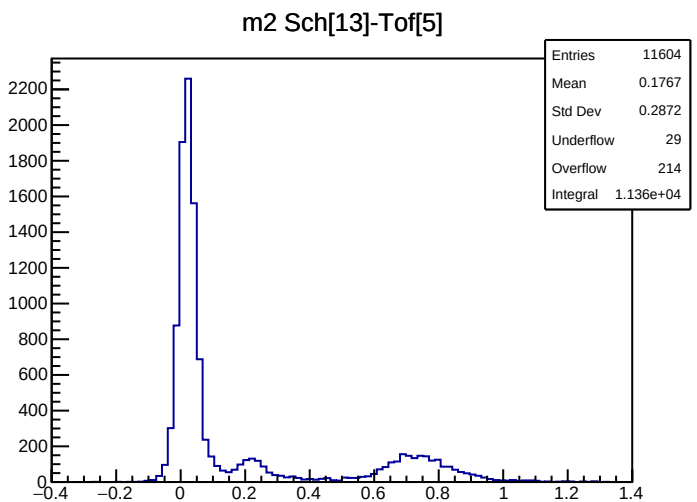

MissMass Sigma Sch[12]-Tof[6]
Entries 1168
Mean 1.196
Std Dev 0.04139
Underflow 1
Overflow 0
Integral 1167

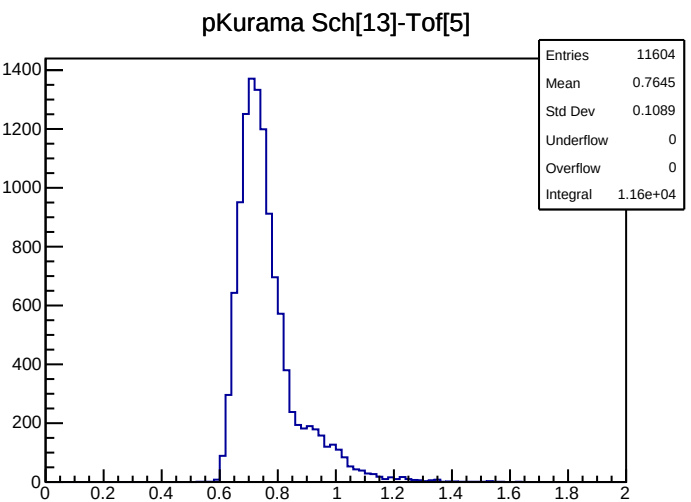

m2 Sch[12]-Tof[6]
Entries 29721
Mean 0.4812
Std Dev 0.3694
Underflow 56
Overflow 435
Integral 2.923e+04

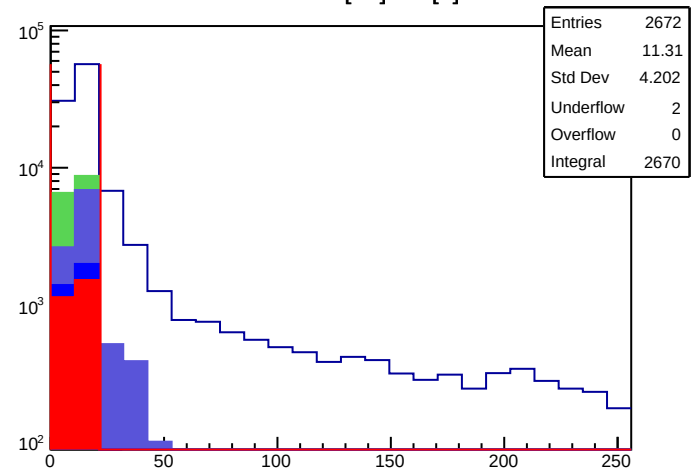

pKurama Sch[12]-Tof[6]
Entries 29721
Mean 0.931
Std Dev 0.0882
Underflow 0
Overflow 2
Integral 2.972e+04

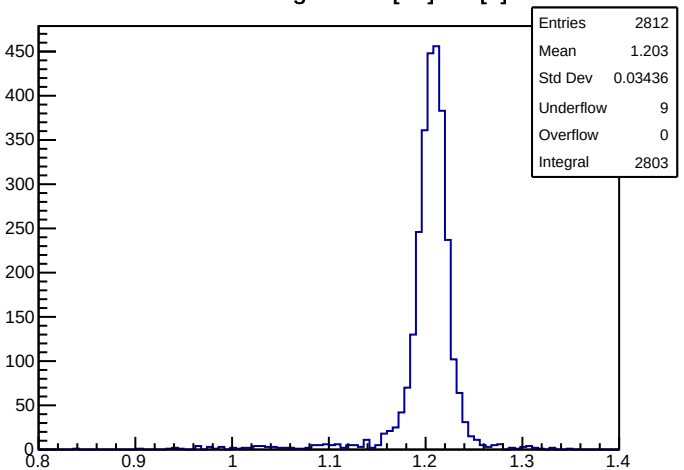

sftx all Sch[13]-Tof[5]
Entries 396
Mean 14.7
Std Dev 4.077
Underflow 0
Overflow 0
Integral 396

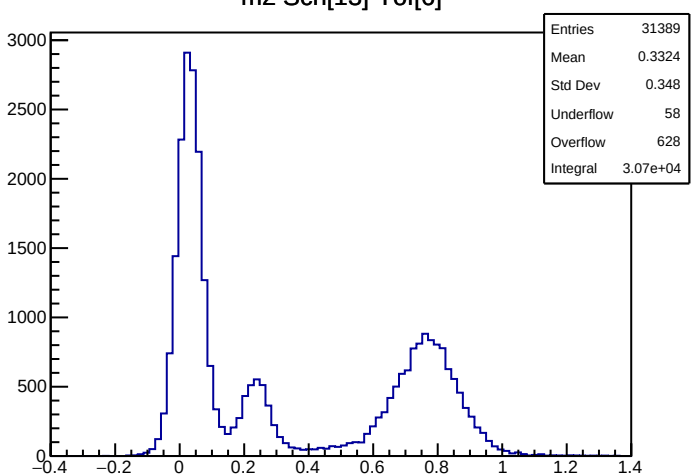

MissMass Sigma Sch[13]-Tof[5]
Entries 542
Mean 1.217
Std Dev 0.04952
Underflow 1
Overflow 0
Integral 541

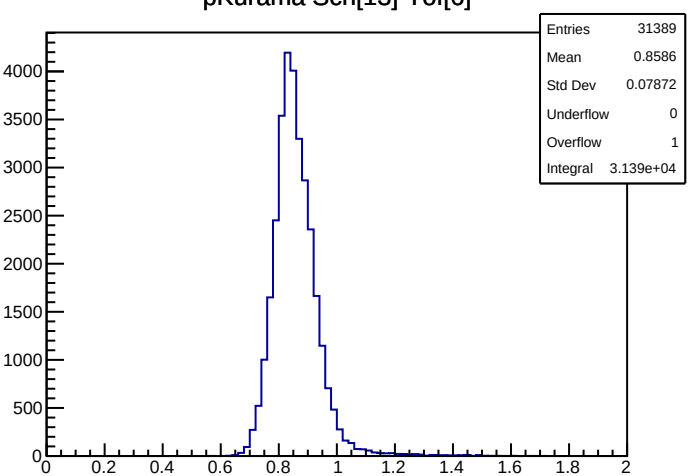

m2 Sch[13]-Tof[5]
Entries 11604
Mean 0.1767
Std Dev 0.2872
Underflow 29
Overflow 214
Integral 1.136e+04

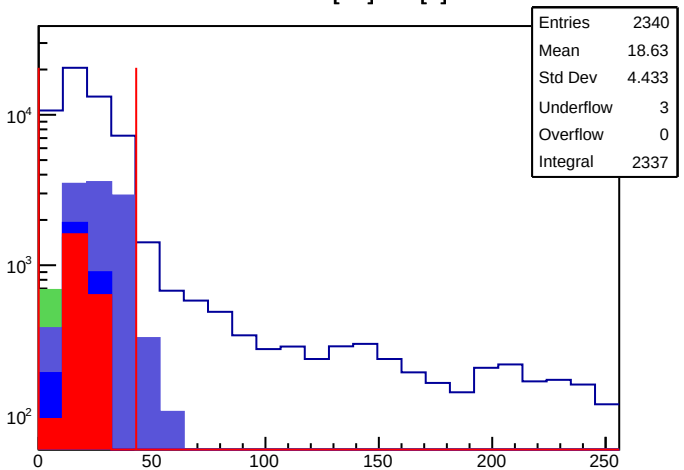

pKurama Sch[13]-Tof[5]
Entries 11604
Mean 0.7645
Std Dev 0.1089
Underflow 0
Overflow 0
Integral 1.16e+04

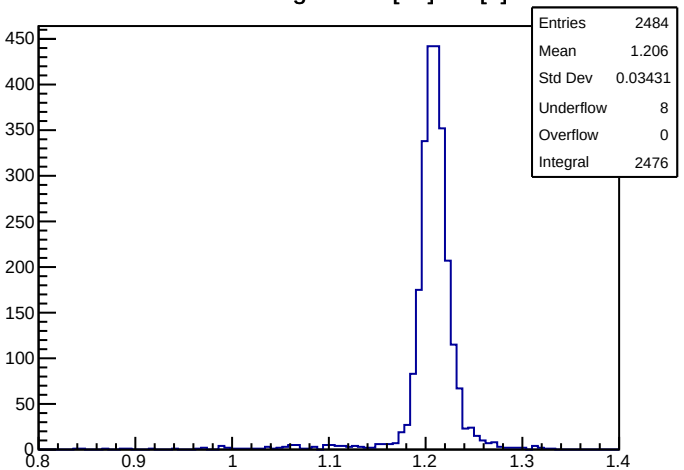

sftx all Sch[13]-Tof[6]
Entries 2672
Mean 11.31
Std Dev 4.202
Underflow 2
Overflow 0
Integral 2670

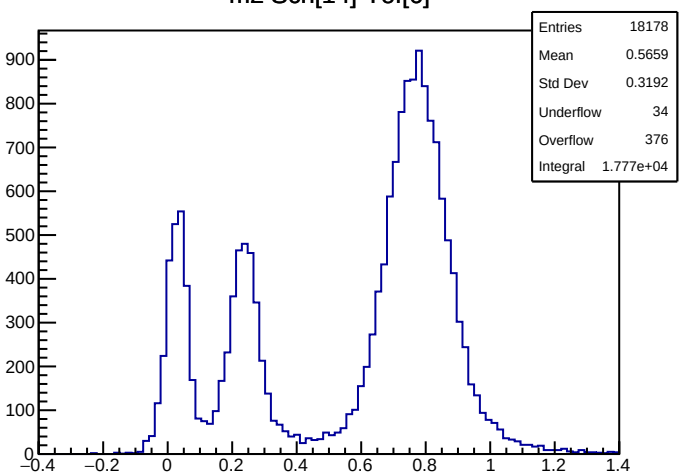

MissMass Sigma Sch[13]-Tof[6]
Entries 2812
Mean 1.203
Std Dev 0.03436
Underflow 9
Overflow 0
Integral 2803

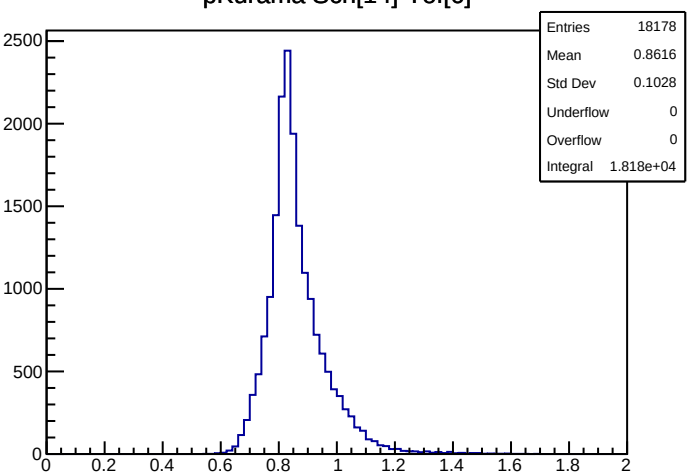

m2 Sch[13]-Tof[6]
Entries 31389
Mean 0.3324
Std Dev 0.348
Underflow 58
Overflow 628
Integral 3.07e+04

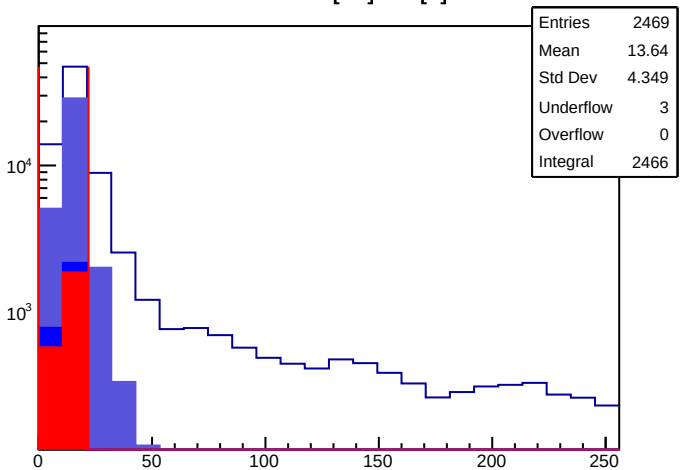

pKurama Sch[13]-Tof[6]
Entries 31389
Mean 0.8586
Std Dev 0.07872
Underflow 0
Overflow 1
Integral 3.139e+04

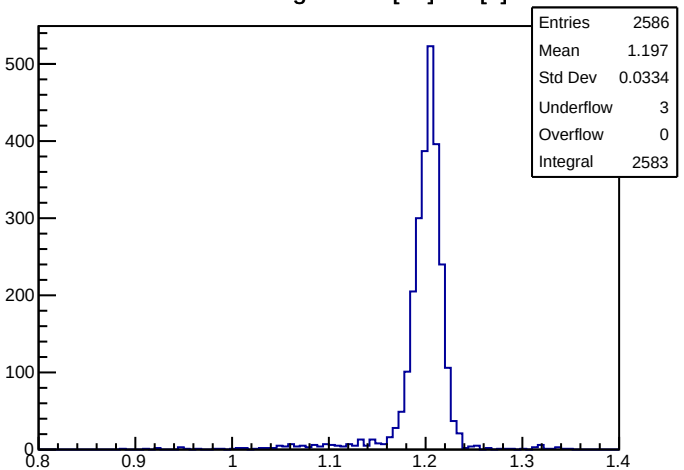

sftx all Sch[14]-Tof[6]
Entries 2340
Mean 18.63
Std Dev 4.433
Underflow 3
Overflow 0
Integral 2337

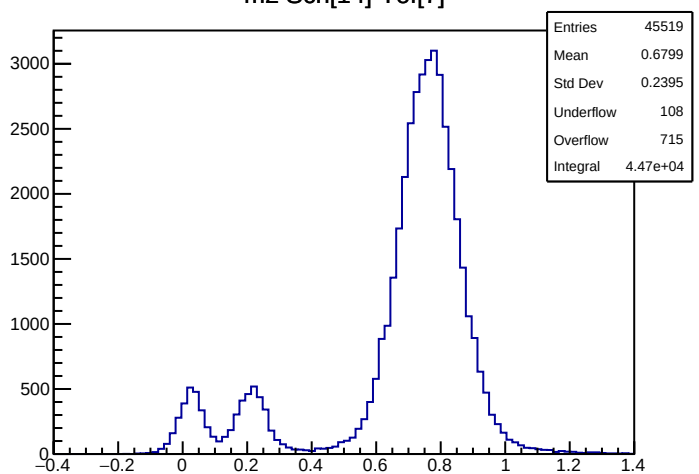

MissMass Sigma Sch[14]-Tof[6]
Entries 2484
Mean 1.206
Std Dev 0.03431
Underflow 8
Overflow 0
Integral 2476

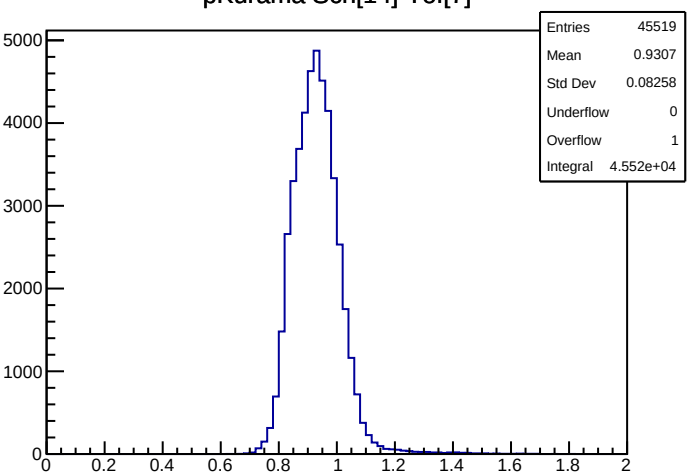

m2 Sch[14]-Tof[6]
Entries 18178
Mean 0.5659
Std Dev 0.3192
Underflow 34
Overflow 376
Integral 1.777e+04

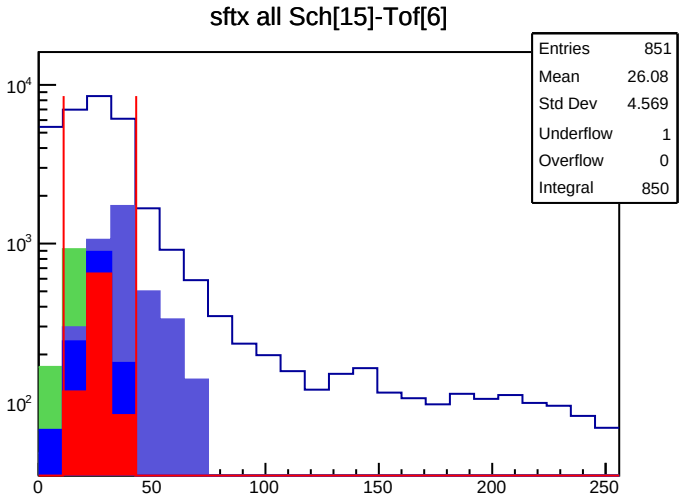

pKurama Sch[14]-Tof[6]
Entries 18178
Mean 0.8616
Std Dev 0.1028
Underflow 0
Overflow 0
Integral 1.818e+04

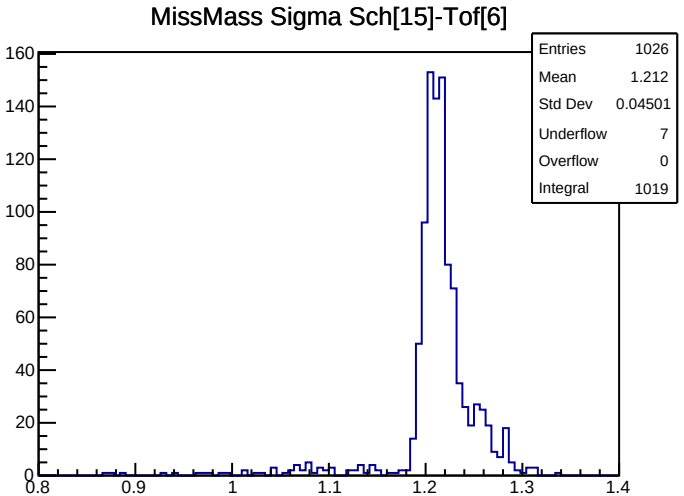

sftx all Sch[14]-Tof[7]
Entries 2469
Mean 13.64
Std Dev 4.349
Underflow 3
Overflow 0
Integral 2466
10^4
10^3
0 50 100 150 200 250

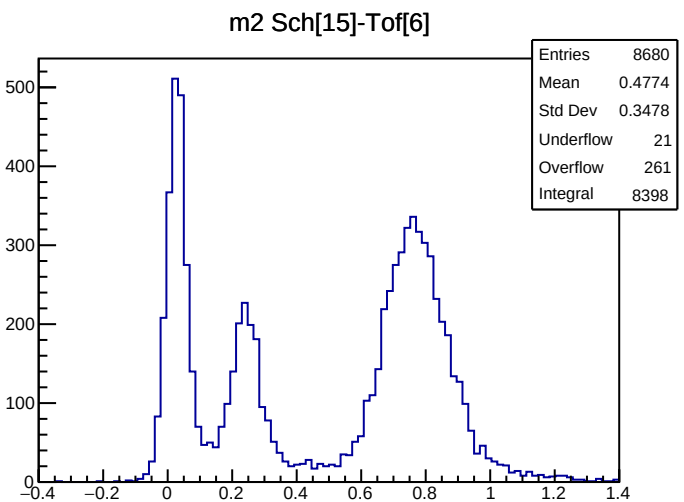

MissMass Sigma Sch[14]-Tof[7]
Entries 2586
Mean 1.197
Std Dev 0.0334
Underflow 3
Overflow 0
Integral 2583
500 400 300 200 100 0
0.8 0.9 1 1.1 1.2 1.3 1.4

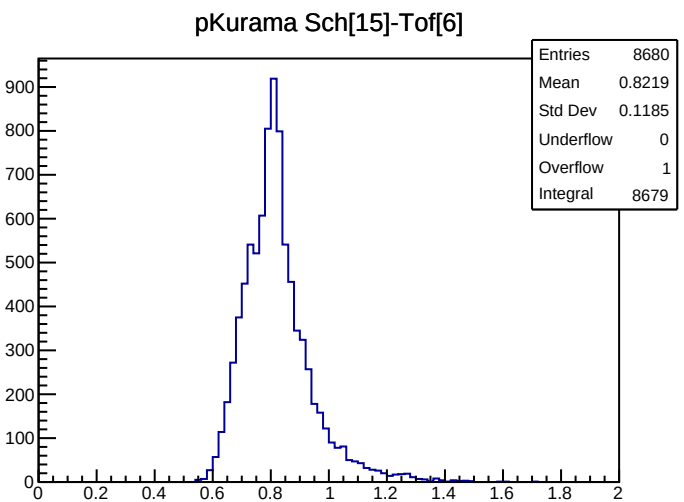

m2 Sch[14]-Tof[7]
Entries 45519
Mean 0.6799
Std Dev 0.2395
Underflow 108
Overflow 715
Integral 4.47e+04
3000 2500 2000 1500 1000 500 0
−0.4 −0.2 0 0.2 0.4 0.6 0.8 1 1.2 1.4

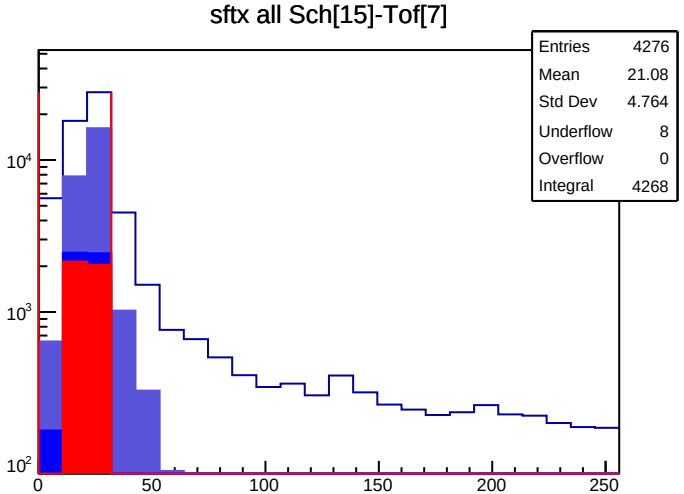

pKurama Sch[14]-Tof[7]
Entries 45519
Mean 0.9307
Std Dev 0.08258
Underflow 0
Overflow 1
Integral 4.552e+04
5000 4000 3000 2000 1000 0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

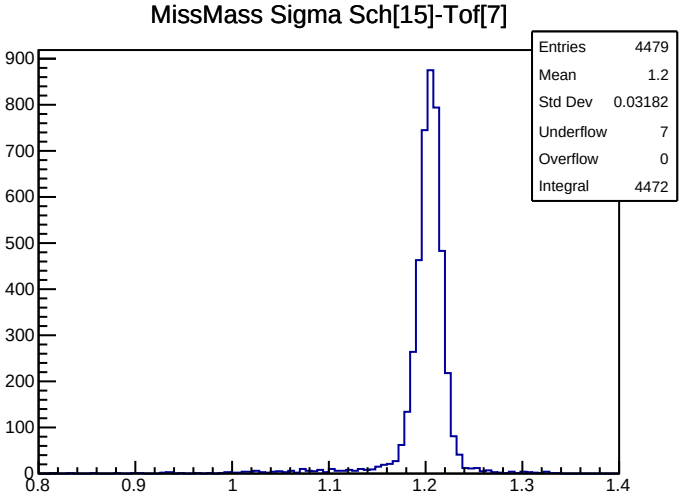

sftx all Sch[15]-Tof[6]
Entries 851
Mean 26.08
Std Dev 4.569
Underflow 1
Overflow 0
Integral 850

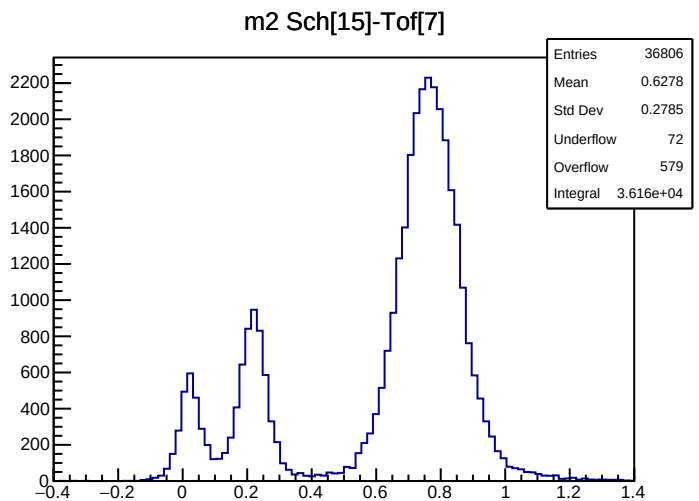

MissMass Sigma Sch[15]-Tof[6]
Entries 1026
Mean 1.212
Std Dev 0.04501
Underflow 7
Overflow 0
Integral 1019

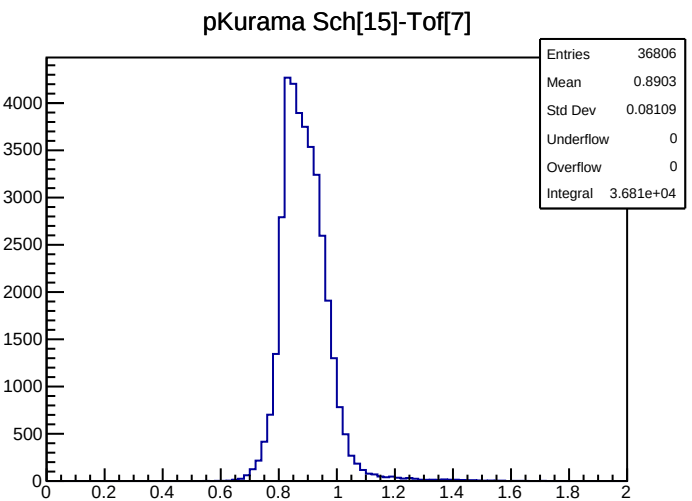

m2 Sch[15]-Tof[6]
Entries 8680
Mean 0.4774
Std Dev 0.3478
Underflow 21
Overflow 261
Integral 8398

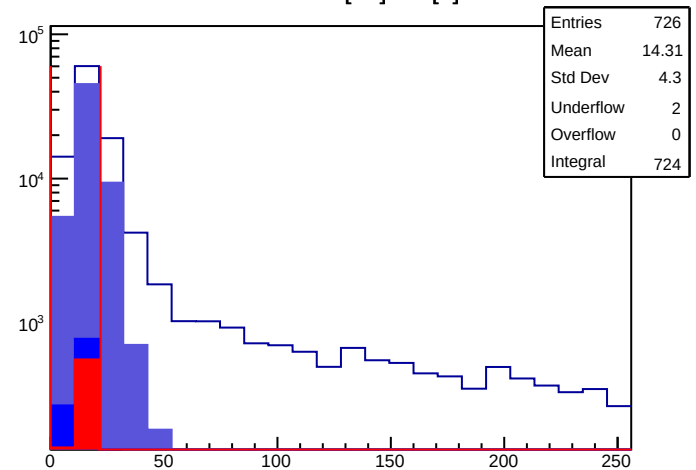

pKurama Sch[15]-Tof[6]
Entries 8680
Mean 0.8219
Std Dev 0.1185
Underflow 0
Overflow 1
Integral 8679

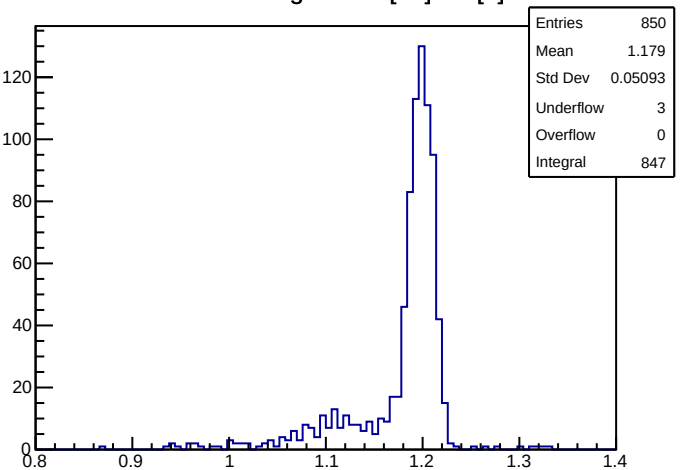

sftx all Sch[15]-Tof[7]
Entries 4276
Mean 21.08
Std Dev 4.764
Underflow 8
Overflow 0
Integral 4268
10^4
10^3
10^2
0
50
100
150
200
250

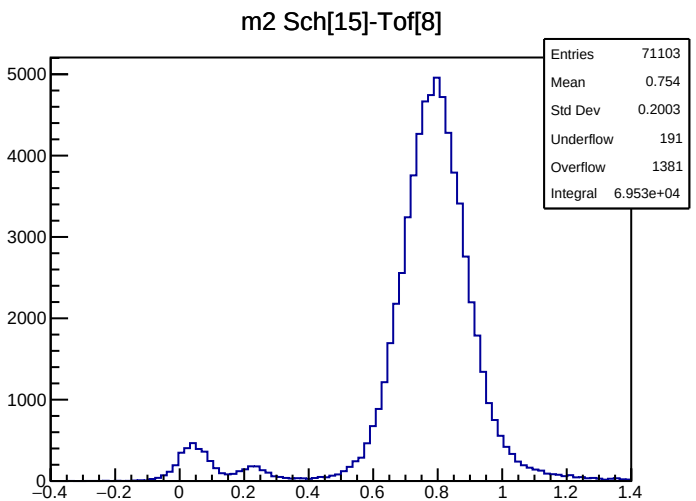

MissMass Sigma Sch[15]-Tof[7]
Entries 4479
Mean 1.2
Std Dev 0.03182
Underflow 7
Overflow 0
Integral 4472
900
800
700
600
500
400
300
200
100
0
0.8
0.9
1
1.1
1.2
1.3
1.4

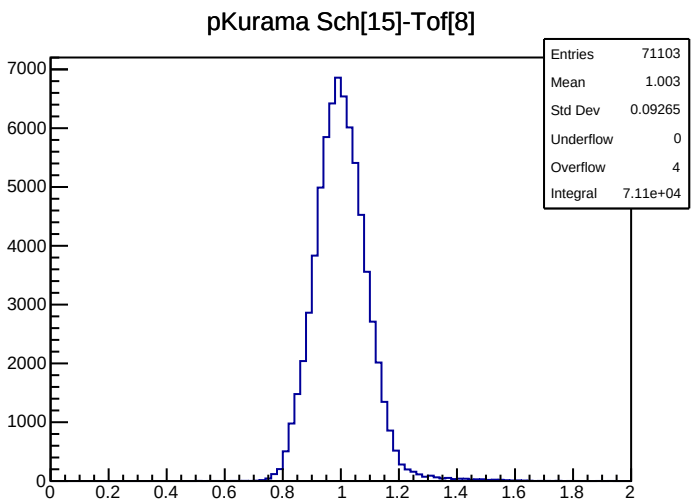

m2 Sch[15]-Tof[7]
Entries 36806
Mean 0.6278
Std Dev 0.2785
Underflow 72
Overflow 579
Integral 3.616e+04
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

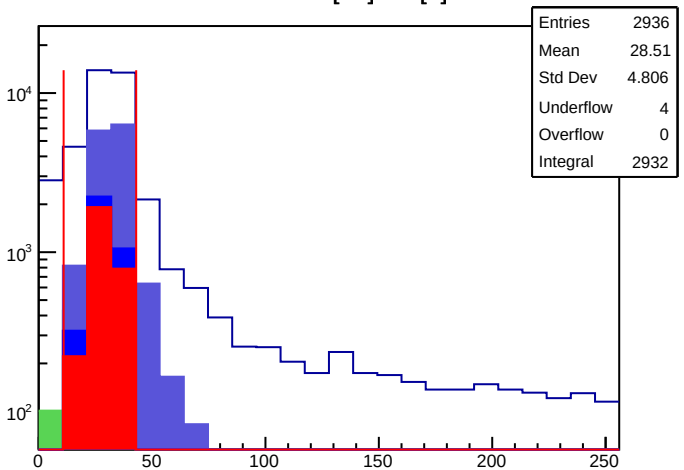

pKurama Sch[15]-Tof[7]
Entries 36806
Mean 0.8903
Std Dev 0.08109
Underflow 0
Overflow 0
Integral 3.681e+04
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

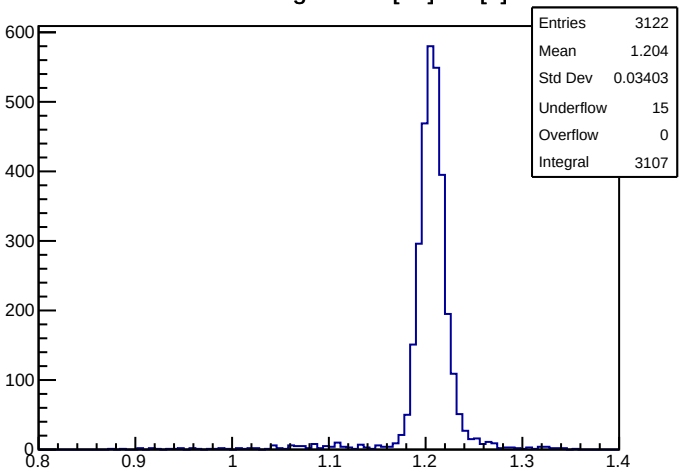

sftx all Sch[15]-Tof[8]
Entries 726
Mean 14.31
Std Dev 4.3
Underflow 2
Overflow 0
Integral 724

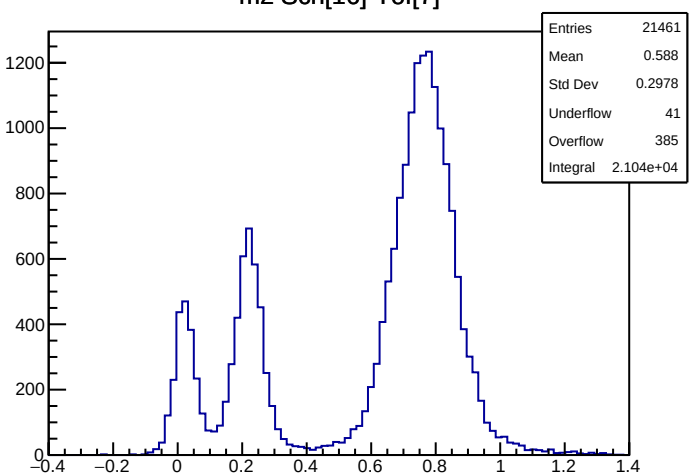

MissMass Sigma Sch[15]-Tof[8]
Entries 850
Mean 1.179
Std Dev 0.05093
Underflow 3
Overflow 0
Integral 847

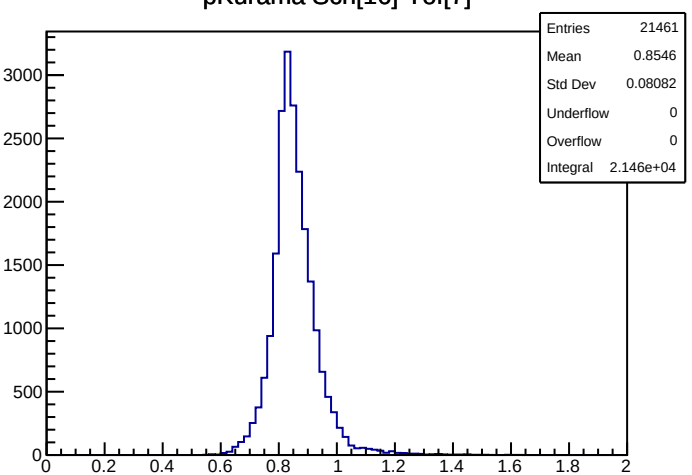

m2 Sch[15]-Tof[8]
Entries 71103
Mean 0.754
Std Dev 0.2003
Underflow 191
Overflow 1381
Integral 6.953e+04

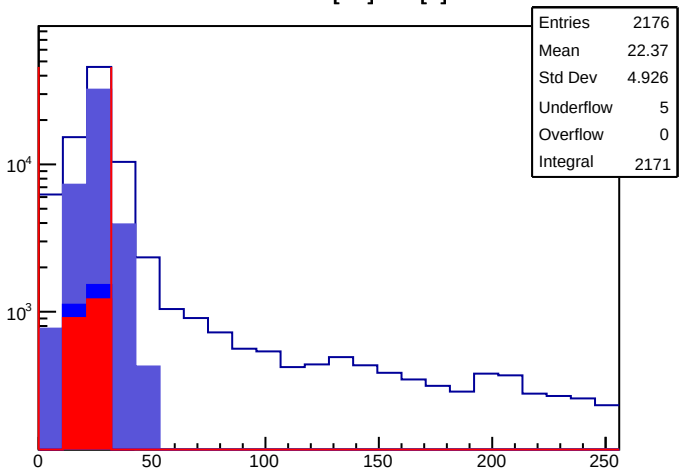

pKurama Sch[15]-Tof[8]
Entries 71103
Mean 1.003
Std Dev 0.09265
Underflow 0
Overflow 4
Integral 7.11e+04

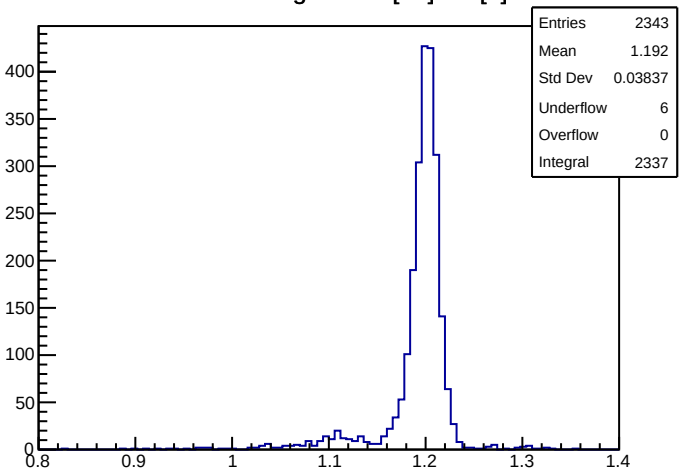

sftx all Sch[16]-Tof[7]
Entries 2936
Mean 28.51
Std Dev 4.806
Underflow 4
Overflow 0
Integral 2932

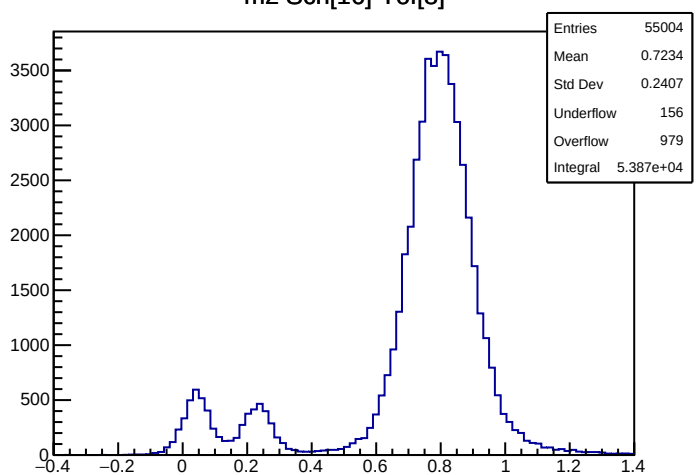

MissMass Sigma Sch[16]-Tof[7]
Entries 3122
Mean 1.204
Std Dev 0.03403
Underflow 15
Overflow 0
Integral 3107

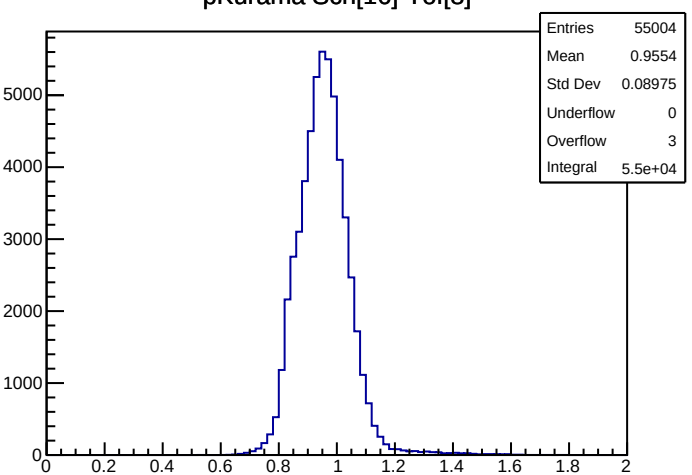

m2 Sch[16]-Tof[7]
Entries 21461
Mean 0.588
Std Dev 0.2978
Underflow 41
Overflow 385
Integral 2.104e+04

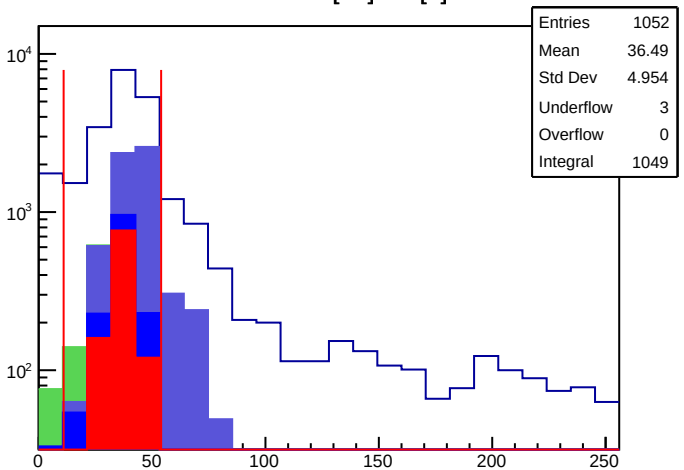

pKurama Sch[16]-Tof[7]
Entries 21461
Mean 0.8546
Std Dev 0.08082
Underflow 0
Overflow 0
Integral 2.146e+04

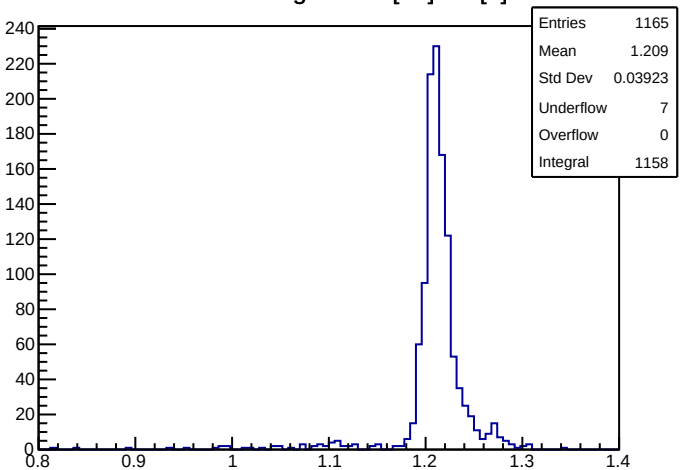

sftx all Sch[16]-Tof[8]
Entries 2176
Mean 22.37
Std Dev 4.926
Underflow 5
Overflow 0
Integral 2171
10^4
10^3
0
50
100
150
200
250

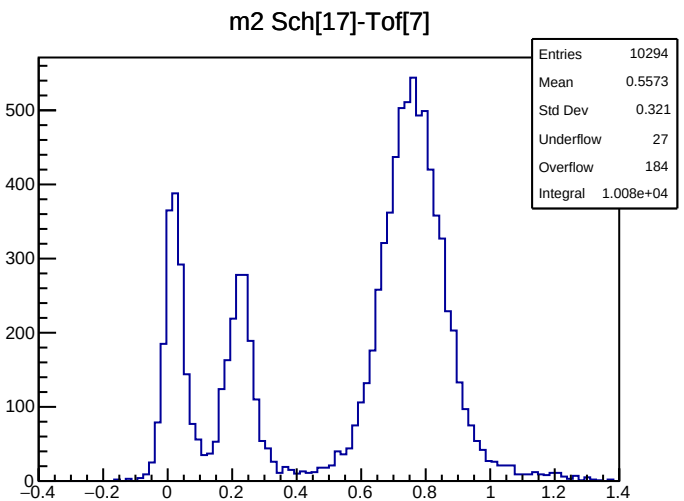

MissMass Sigma Sch[16]-Tof[8]
Entries 2343
Mean 1.192
Std Dev 0.03837
Underflow 6
Overflow 0
Integral 2337
400
350
300
250
200
150
100
50
0
0.8
0.9
1
1.1
1.2
1.3
1.4

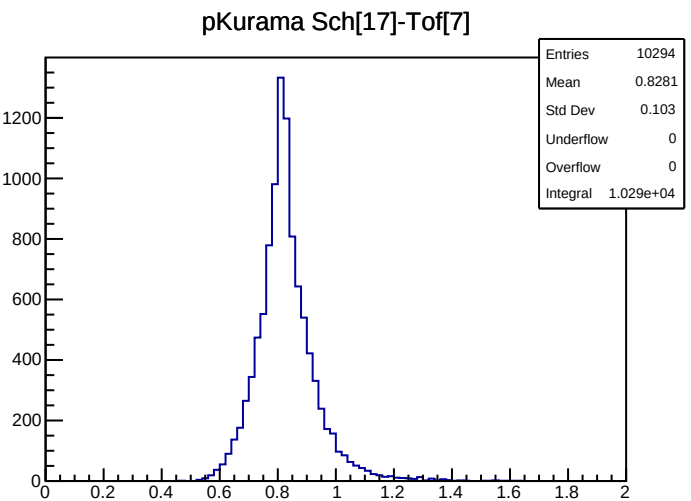

m2 Sch[16]-Tof[8]
Entries 55004
Mean 0.7234
Std Dev 0.2407
Underflow 156
Overflow 979
Integral 5.387e+04
3500
3000
2500
2000
1500
1000
500
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

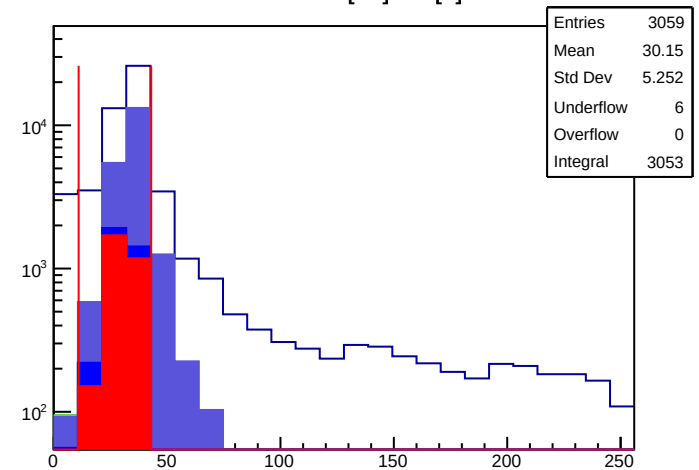

pKurama Sch[16]-Tof[8]
Entries 55004
Mean 0.9554
Std Dev 0.08975
Underflow 0
Overflow 3
Integral 5.5e+04
5000
4000
3000
2000
1000
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

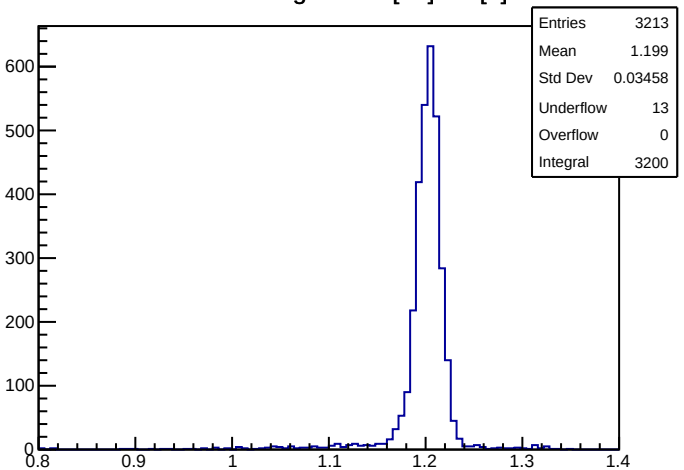

sftx all Sch[17]-Tof[7]
Entries 1052
Mean 36.49
Std Dev 4.954
Underflow 3
Overflow 0
Integral 1049

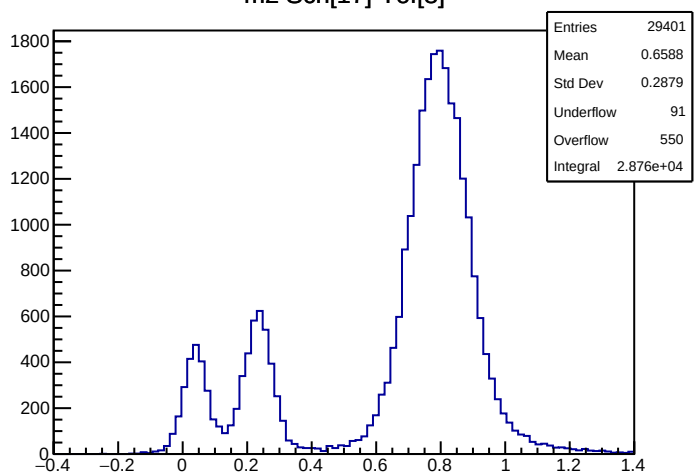

MissMass Sigma Sch[17]-Tof[7]
Entries 1165
Mean 1.209
Std Dev 0.03923
Underflow 7
Overflow 0
Integral 1158

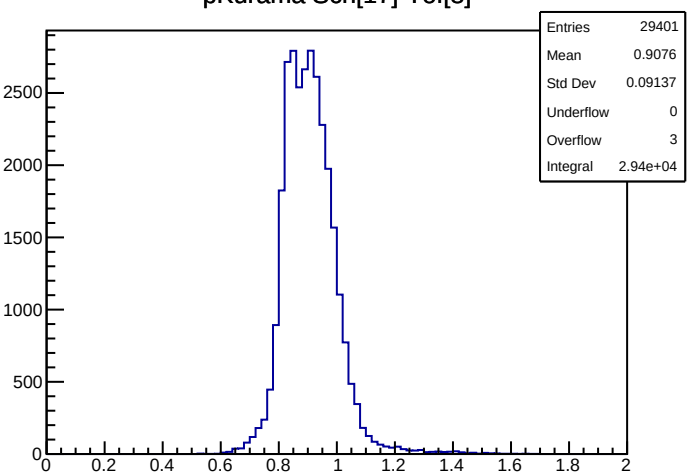

m2 Sch[17]-Tof[7]
Entries 10294
Mean 0.5573
Std Dev 0.321
Underflow 27
Overflow 184
Integral 1.008e+04

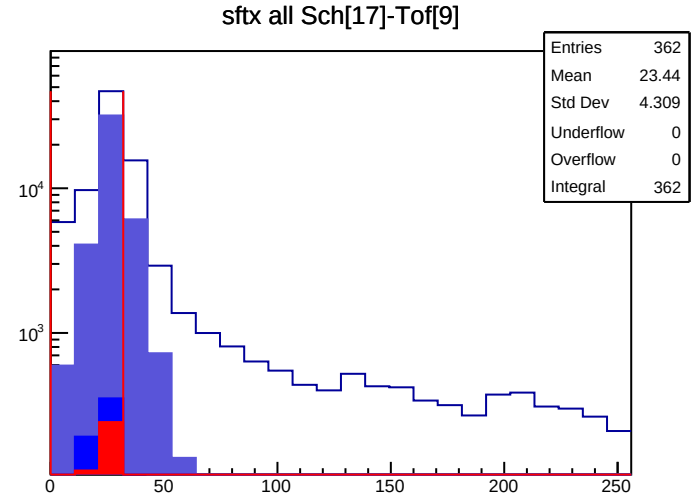

pKurama Sch[17]-Tof[7]
Entries 10294
Mean 0.8281
Std Dev 0.103
Underflow 0
Overflow 0
Integral 1.029e+04

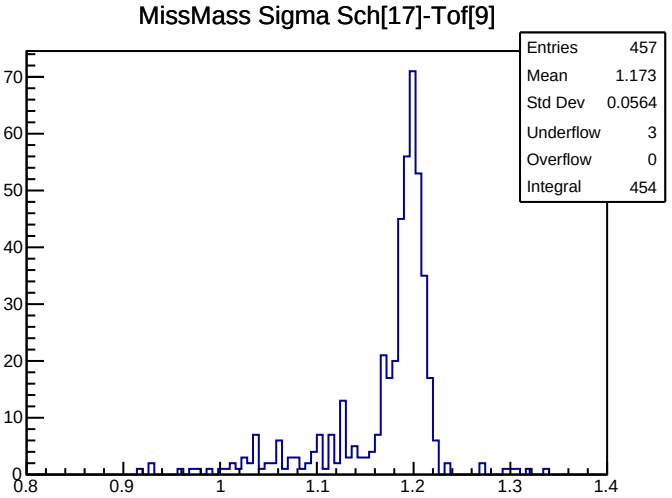

sftx all Sch[17]-Tof[8]
Entries 3059
Mean 30.15
Std Dev 5.252
Underflow 6
Overflow 0
Integral 3053

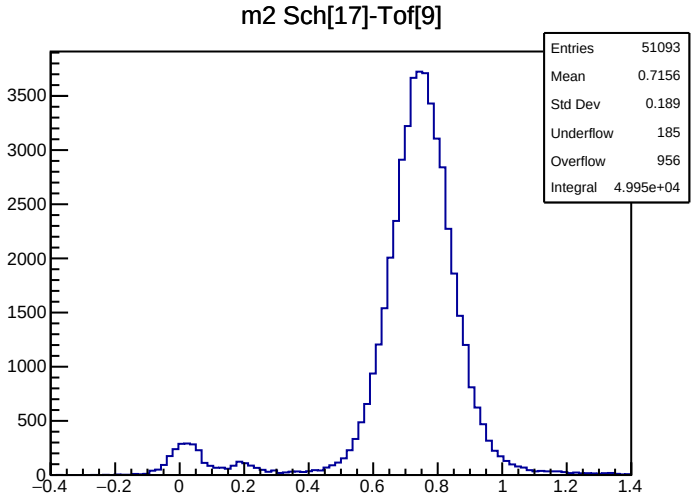

MissMass Sigma Sch[17]-Tof[8]
Entries 3213
Mean 1.199
Std Dev 0.03458
Underflow 13
Overflow 0
Integral 3200

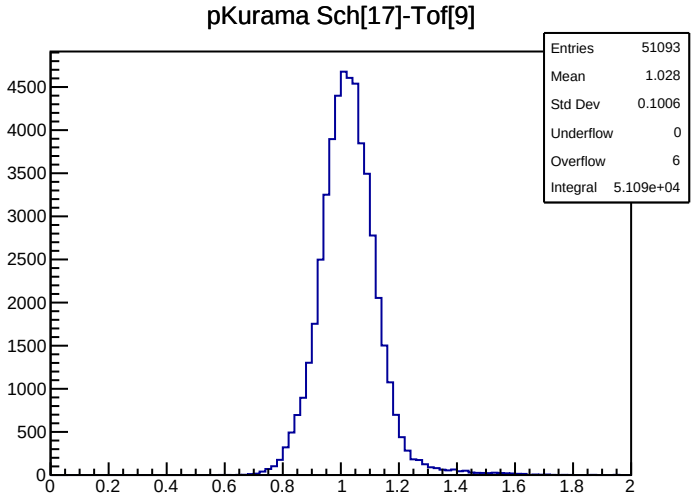

m2 Sch[17]-Tof[8]
Entries 29401
Mean 0.6588
Std Dev 0.2879
Underflow 91
Overflow 550
Integral 2.876e+04

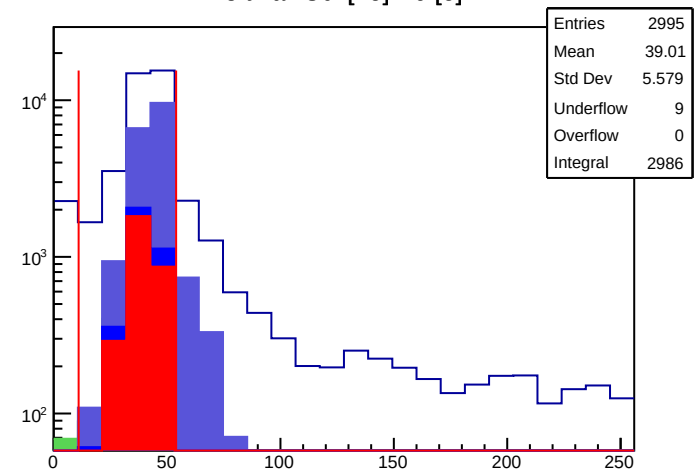

pKurama Sch[17]-Tof[8]
Entries 29401
Mean 0.9076
Std Dev 0.09137
Underflow 0
Overflow 3
Integral 2.94e+04

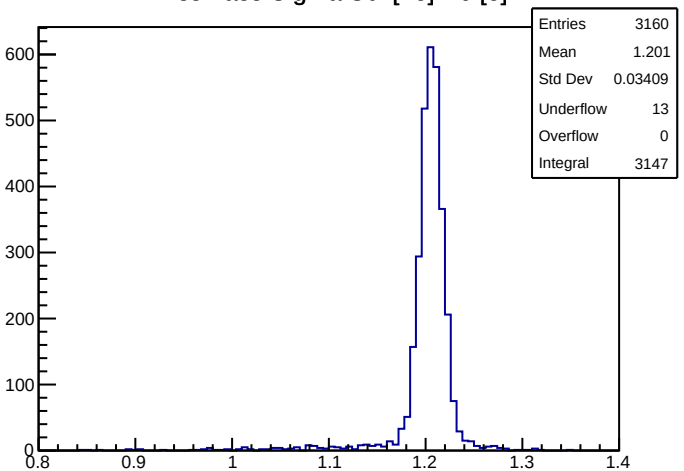

sftx all Sch[17]-Tof[9]
Entries 362
Mean 23.44
Std Dev 4.309
Underflow 0
Overflow 0
Integral 362
10^4
10^3
0
50
100
150
200
250

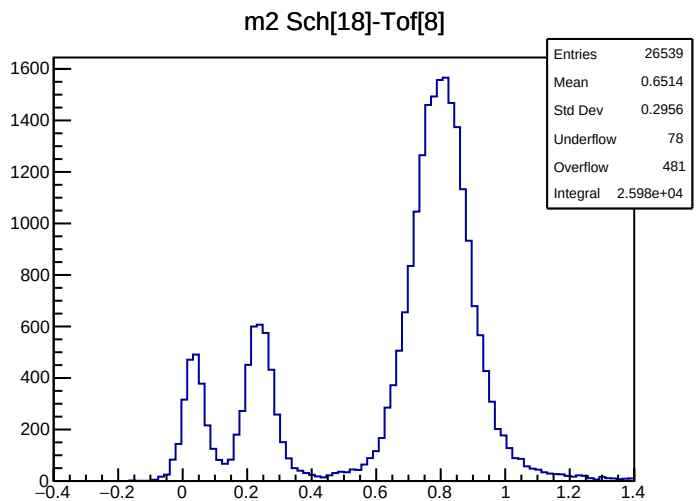

MissMass Sigma Sch[17]-Tof[9]
Entries 457
Mean 1.173
Std Dev 0.0564
Underflow 3
Overflow 0
Integral 454
70
60
50
40
30
20
10
0
0.8
0.9
1
1.1
1.2
1.3
1.4

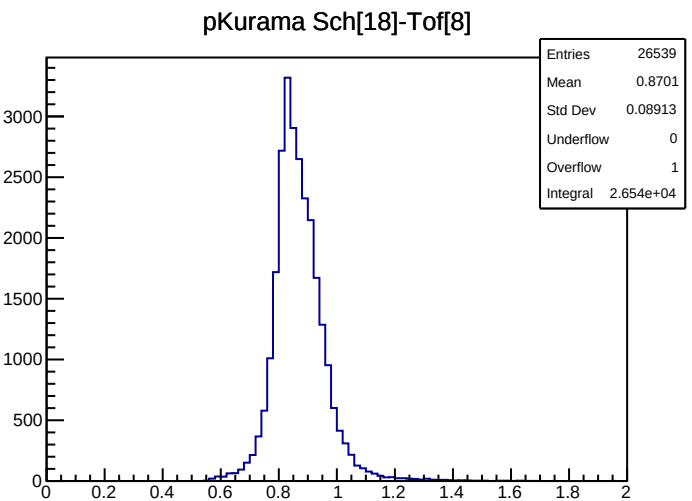

m2 Sch[17]-Tof[9]
Entries 51093
Mean 0.7156
Std Dev 0.189
Underflow 185
Overflow 956
Integral 4.995e+04
3500
3000
2500
2000
1500
1000
500
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

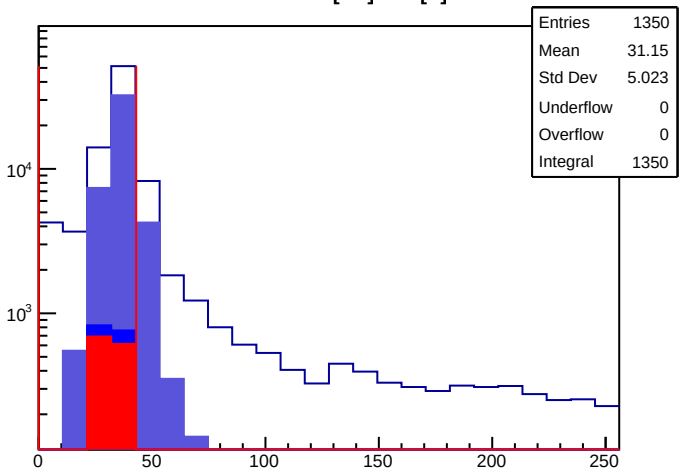

pKurama Sch[17]-Tof[9]
Entries 51093
Mean 1.028
Std Dev 0.1006
Underflow 0
Overflow 6
Integral 5.109e+04
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

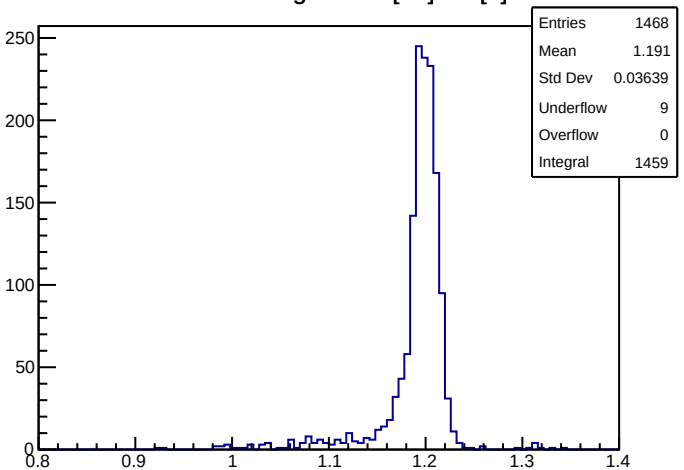

sftx all Sch[18]-Tof[8]
Entries 2995
Mean 39.01
Std Dev 5.579
Underflow 9
Overflow 0
Integral 2986

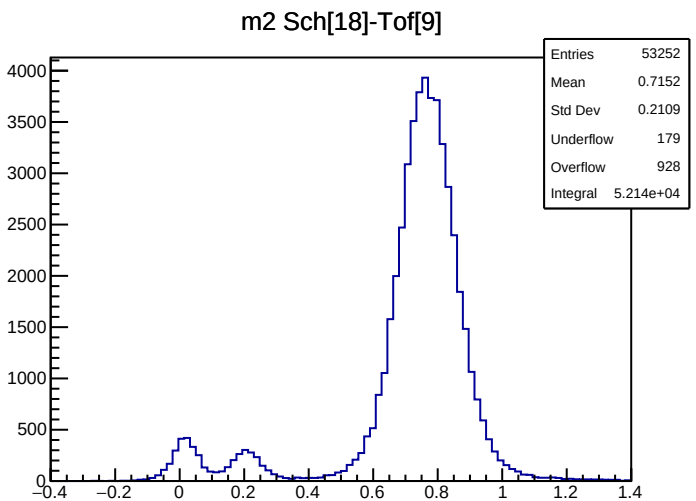

MissMass Sigma Sch[18]-Tof[8]
Entries 3160
Mean 1.201
Std Dev 0.03409
Underflow 13
Overflow 0
Integral 3147

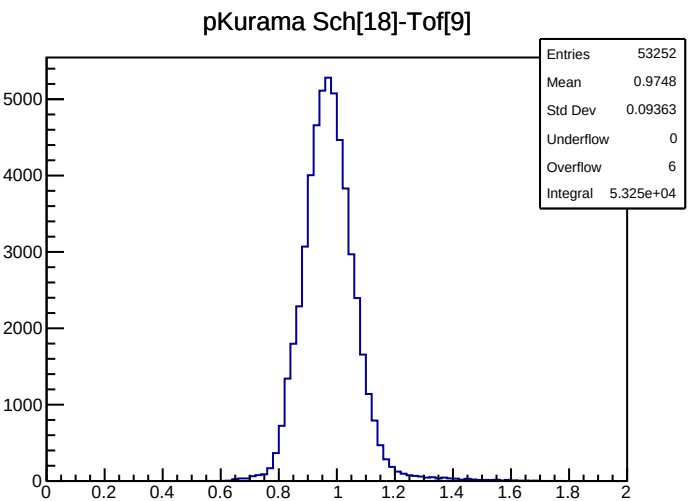

m2 Sch[18]-Tof[8]
Entries 26539
Mean 0.6514
Std Dev 0.2956
Underflow 78
Overflow 481
Integral 2.598e+04

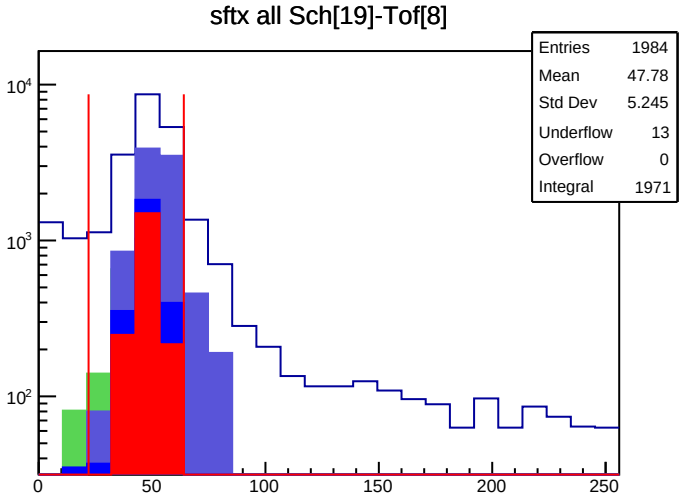

pKurama Sch[18]-Tof[8]
Entries 26539
Mean 0.8701
Std Dev 0.08913
Underflow 0
Overflow 1
Integral 2.654e+04

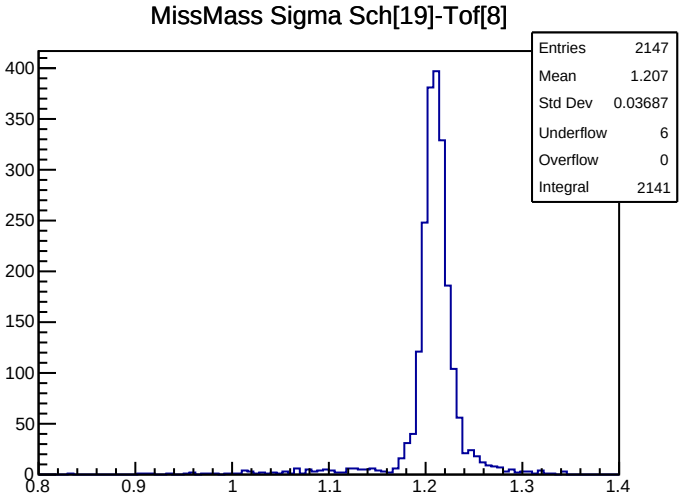

sftx all Sch[18]-Tof[9]
Entries 1350
Mean 31.15
Std Dev 5.023
Underflow 0
Overflow 0
Integral 1350

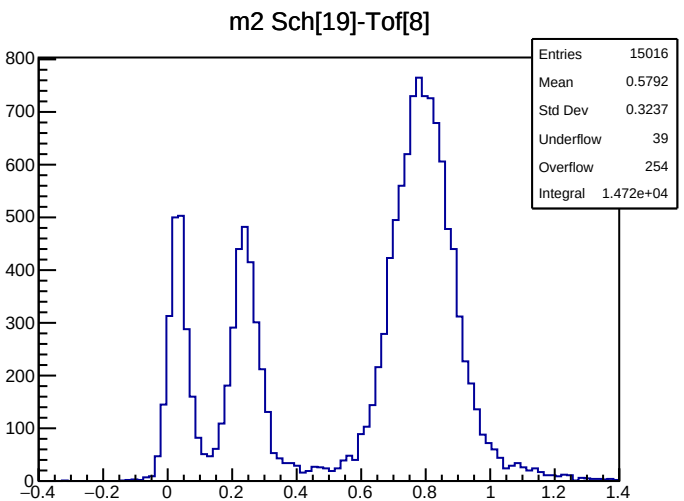

MissMass Sigma Sch[18]-Tof[9]
Entries 1468
Mean 1.191
Std Dev 0.03639
Underflow 9
Overflow 0
Integral 1459

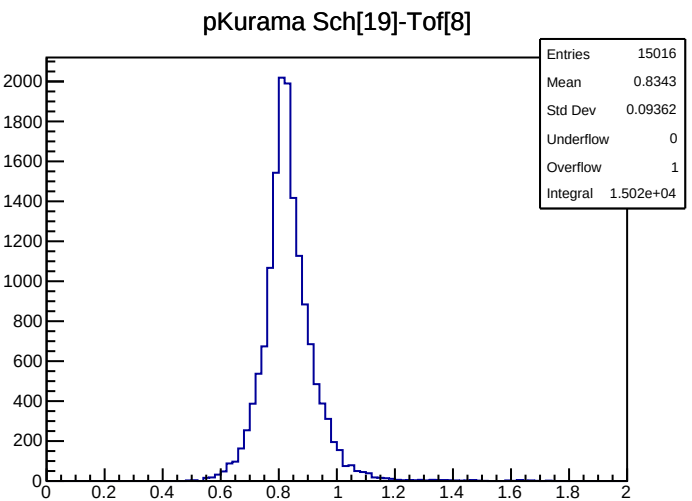

m2 Sch[18]-Tof[9]
Entries 53252
Mean 0.7152
Std Dev 0.2109
Underflow 179
Overflow 928
Integral 5.214e+04

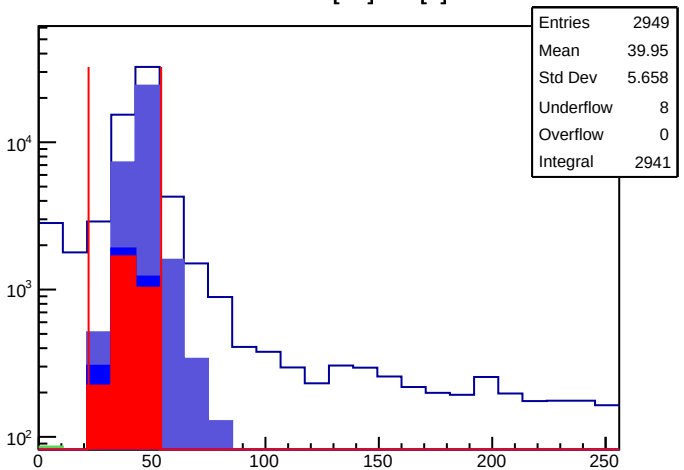

pKurama Sch[18]-Tof[9]
Entries 53252
Mean 0.9748
Std Dev 0.09363
Underflow 0
Overflow 6
Integral 5.325e+04

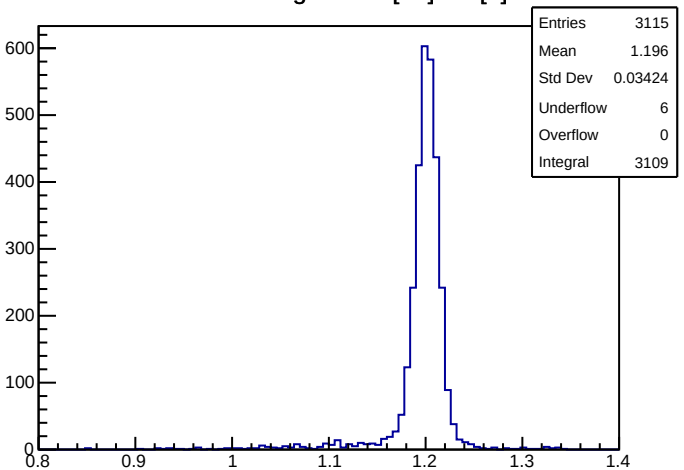

sftx all Sch[19]-Tof[8]
Entries 1984
Mean 47.78
Std Dev 5.245
Underflow 13
Overflow 0
Integral 1971

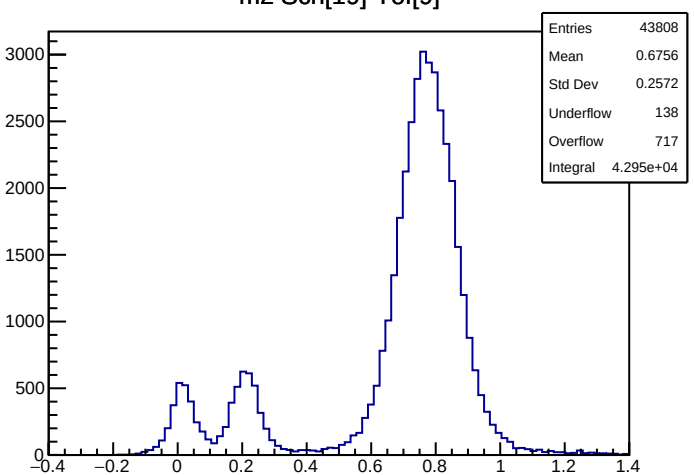

MissMass Sigma Sch[19]-Tof[8]
Entries 2147
Mean 1.207
Std Dev 0.03687
Underflow 6
Overflow 0
Integral 2141

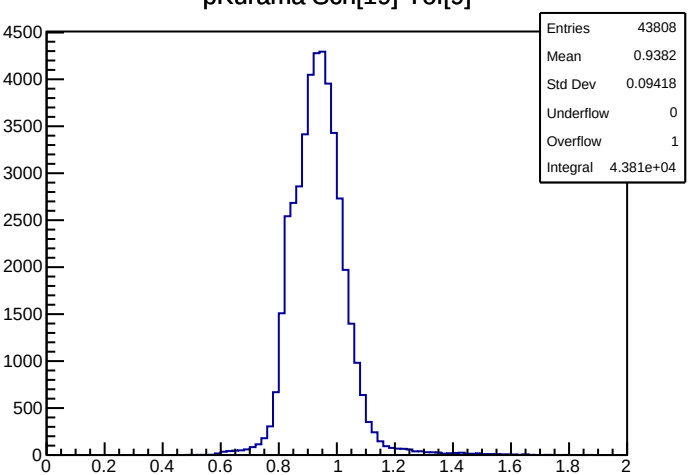

m2 Sch[19]-Tof[8]
Entries 15016
Mean 0.5792
Std Dev 0.3237
Underflow 39
Overflow 254
Integral 1.472e+04

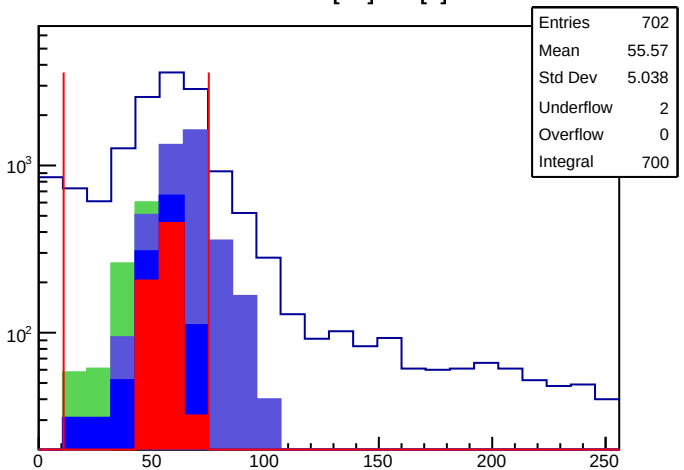

pKurama Sch[19]-Tof[8]
Entries 15016
Mean 0.8343
Std Dev 0.09362
Underflow 0
Overflow 1
Integral 1.502e+04

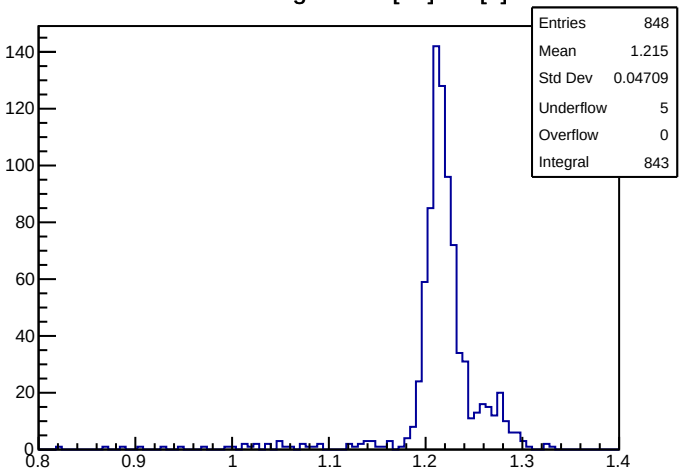

sftx all Sch[19]-Tof[9]
Entries 2949
Mean 39.95
Std Dev 5.658
Underflow 8
Overflow 0
Integral 2941

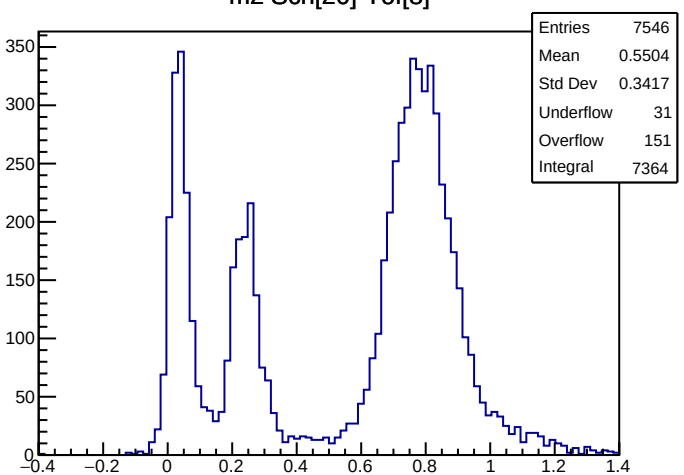

MissMass Sigma Sch[19]-Tof[9]
Entries 3115
Mean 1.196
Std Dev 0.03424
Underflow 6
Overflow 0
Integral 3109

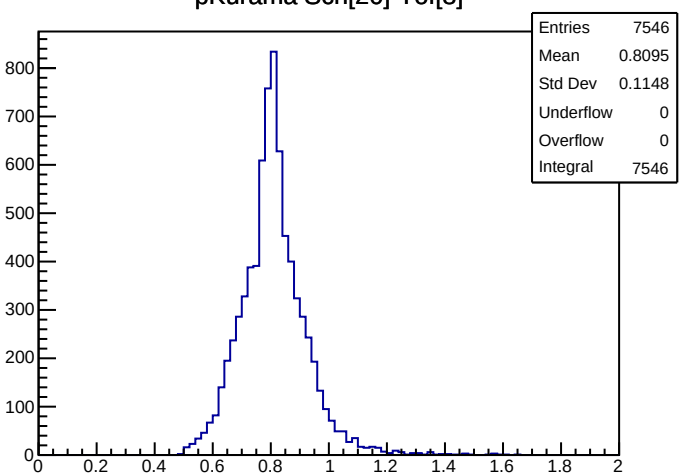

m2 Sch[19]-Tof[9]
Entries 43808
Mean 0.6756
Std Dev 0.2572
Underflow 138
Overflow 717
Integral 4.295e+04

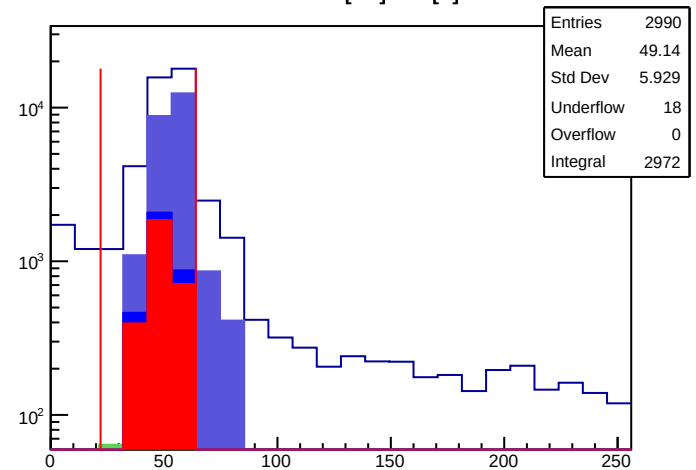

pKurama Sch[19]-Tof[9]
Entries 43808
Mean 0.9382
Std Dev 0.09418
Underflow 0
Overflow 1
Integral 4.381e+04

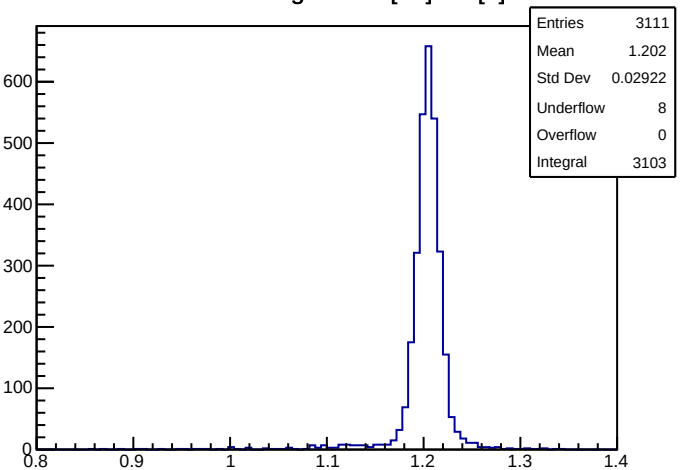

sftx all Sch[20]-Tof[8]
Entries 702
Mean 55.57
Std Dev 5.038
Underflow 2
Overflow 0
Integral 700
10^3
10^2
0
50
100
150
200
250

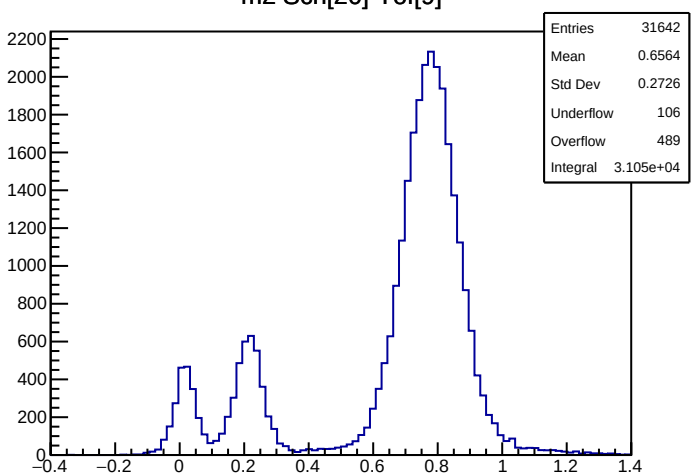

MissMass Sigma Sch[20]-Tof[8]
Entries 848
Mean 1.215
Std Dev 0.04709
Underflow 5
Overflow 0
Integral 843
140
120
100
80
60
40
20
0
0.8
0.9
1
1.1
1.2
1.3
1.4

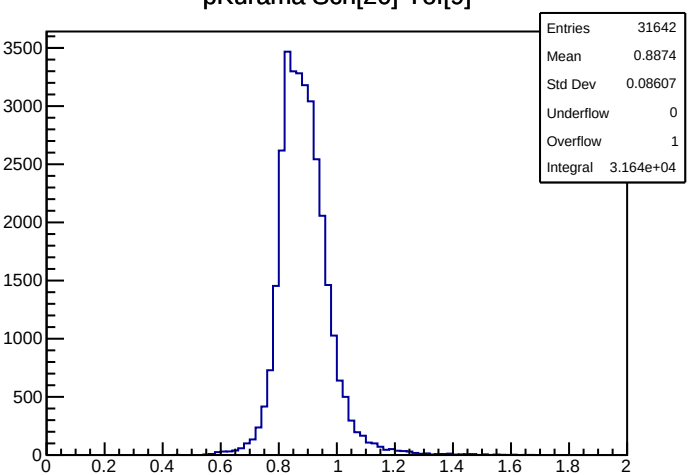

m2 Sch[20]-Tof[8]
Entries 7546
Mean 0.5504
Std Dev 0.3417
Underflow 31
Overflow 151
Integral 7364
350
300
250
200
150
100
50
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

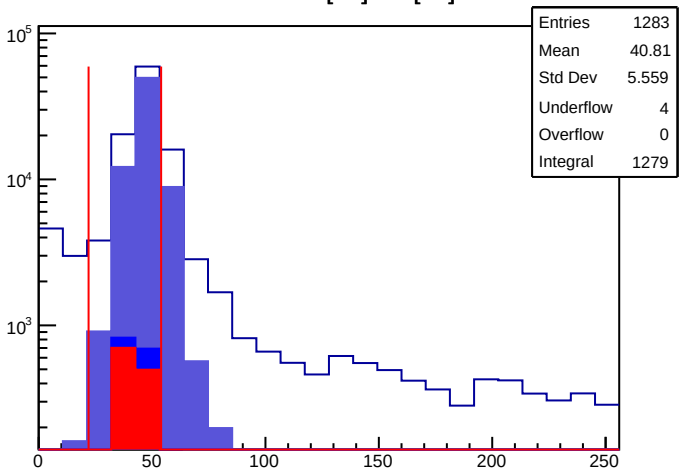

pKurama Sch[20]-Tof[8]
Entries 7546
Mean 0.8095
Std Dev 0.1148
Underflow 0
Overflow 0
Integral 7546
800
700
600
500
400
300
200
100
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

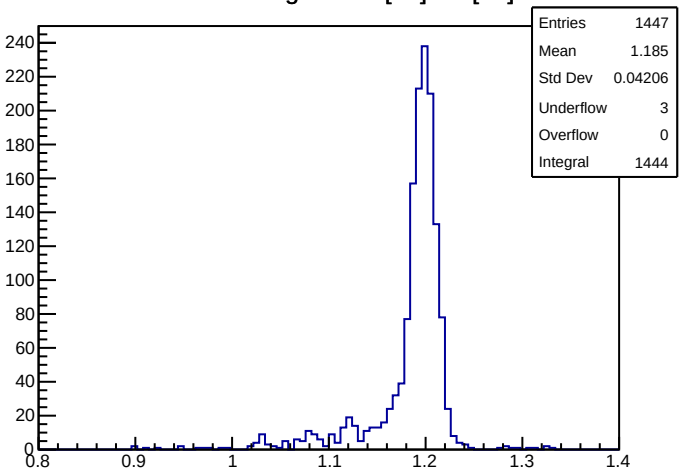

sftx all Sch[20]-Tof[9]
Entries 2990
Mean 49.14
Std Dev 5.929
Underflow 18
Overflow 0
Integral 2972

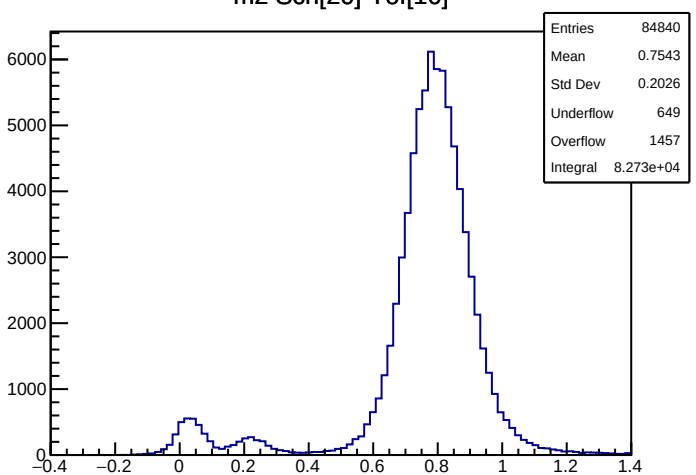

MissMass Sigma Sch[20]-Tof[9]
Entries 3111
Mean 1.202
Std Dev 0.02922
Underflow 8
Overflow 0
Integral 3103

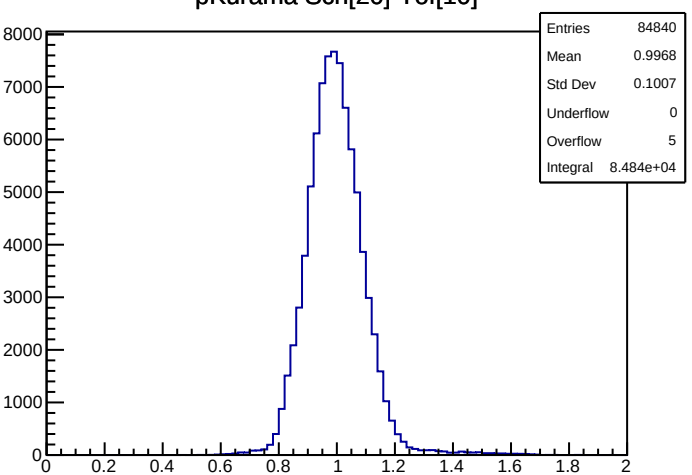

m2 Sch[20]-Tof[9]
Entries 31642
Mean 0.6564
Std Dev 0.2726
Underflow 106
Overflow 489
Integral 3.105e+04

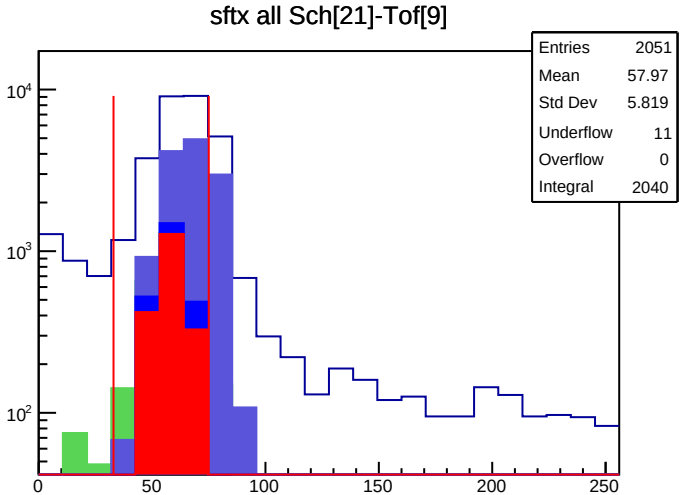

pKurama Sch[20]-Tof[9]
Entries 31642
Mean 0.8874
Std Dev 0.08607
Underflow 0
Overflow 1
Integral 3.164e+04

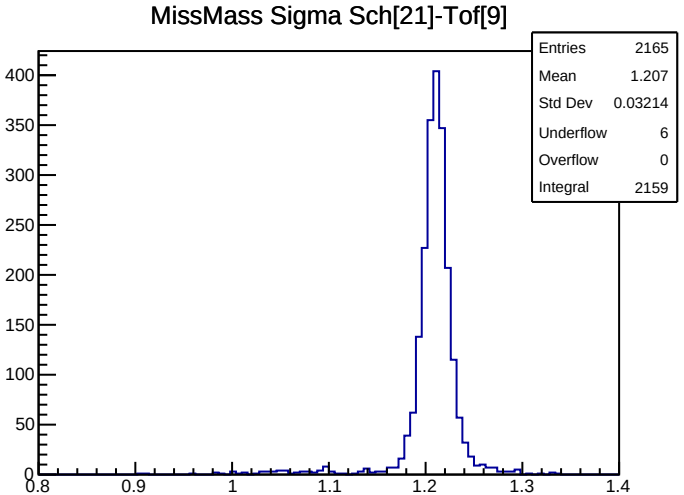

sftx all Sch[20]-Tof[10]
Entries 1283
Mean 40.81
Std Dev 5.559
Underflow 4
Overflow 0
Integral 1279

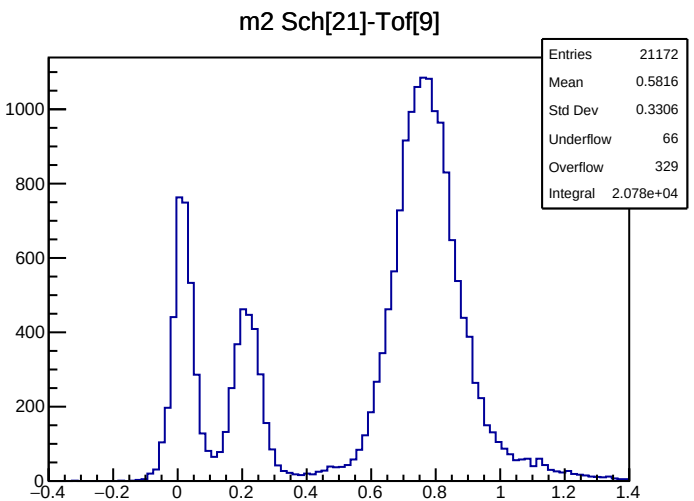

MissMass Sigma Sch[20]-Tof[10]
Entries 1447
Mean 1.185
Std Dev 0.04206
Underflow 3
Overflow 0
Integral 1444

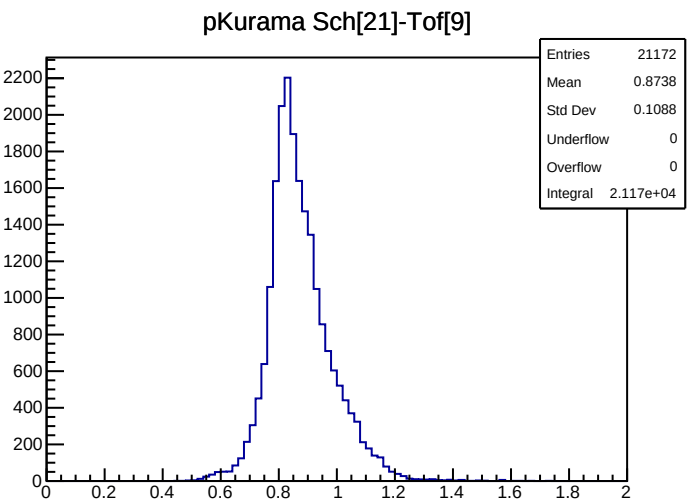

m2 Sch[20]-Tof[10]
Entries 84840
Mean 0.7543
Std Dev 0.2026
Underflow 649
Overflow 1457
Integral 8.273e+04

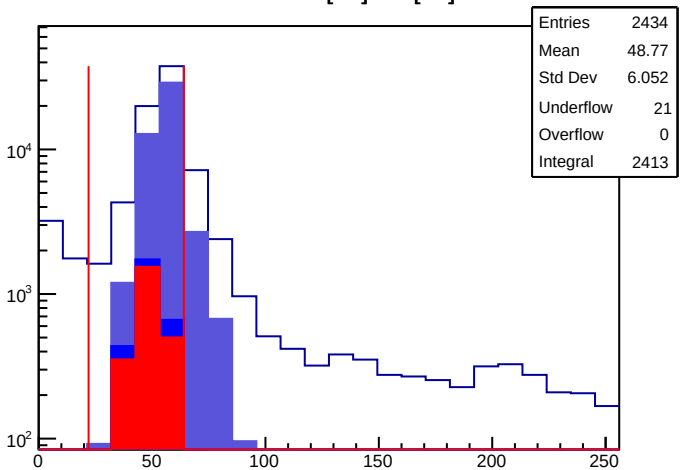

pKurama Sch[20]-Tof[10]
Entries 84840
Mean 0.9968
Std Dev 0.1007
Underflow 0
Overflow 5
Integral 8.484e+04

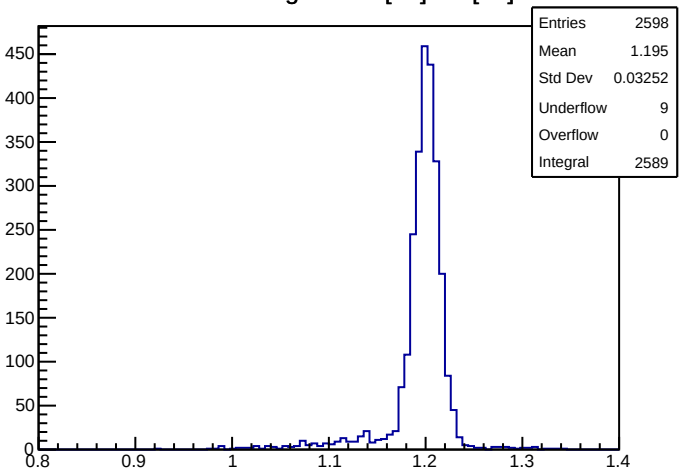

sftx all Sch[21]-Tof[9]
Entries 2051
Mean 57.97
Std Dev 5.819
Underflow 11
Overflow 0
Integral 2040

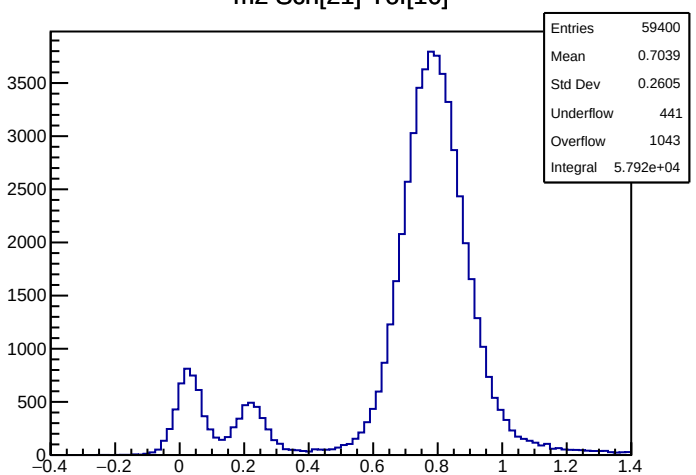

MissMass Sigma Sch[21]-Tof[9]
Entries 2165
Mean 1.207
Std Dev 0.03214
Underflow 6
Overflow 0
Integral 2159

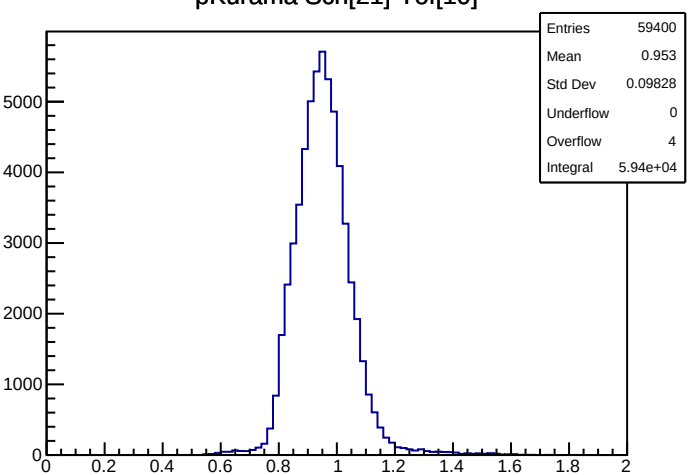

m2 Sch[21]-Tof[9]
Entries 21172
Mean 0.5816
Std Dev 0.3306
Underflow 66
Overflow 329
Integral 2.078e+04

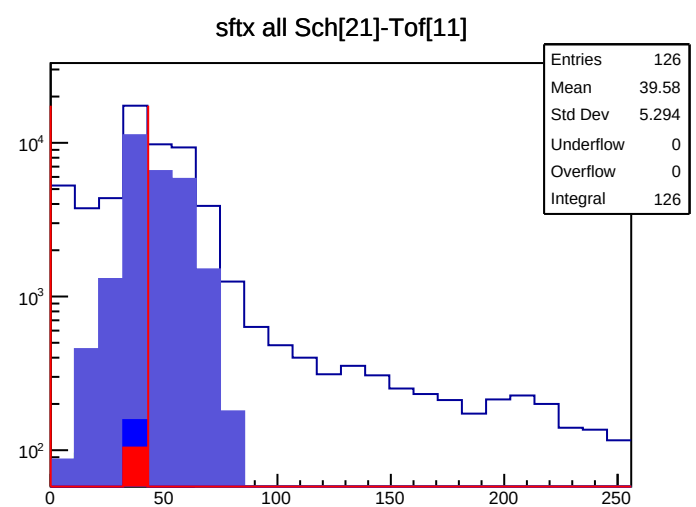

pKurama Sch[21]-Tof[9]
Entries 21172
Mean 0.8738
Std Dev 0.1088
Underflow 0
Overflow 0
Integral 2.117e+04

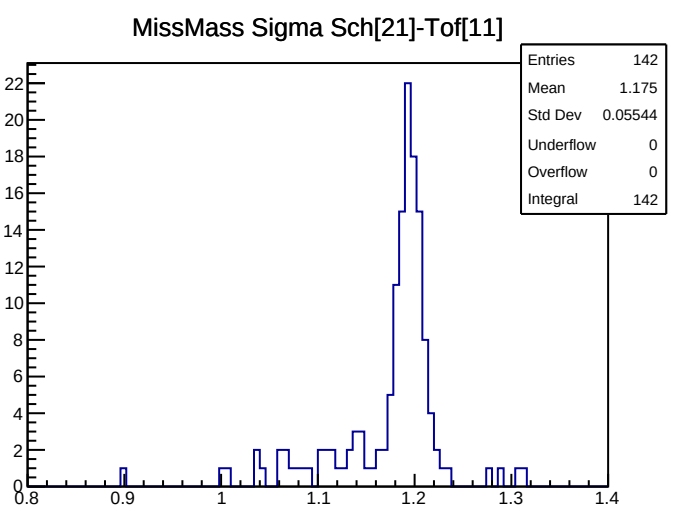

sftx all Sch[21]-Tof[10]
Entries 2434
Mean 48.77
Std Dev 6.052
Underflow 21
Overflow 0
Integral 2413

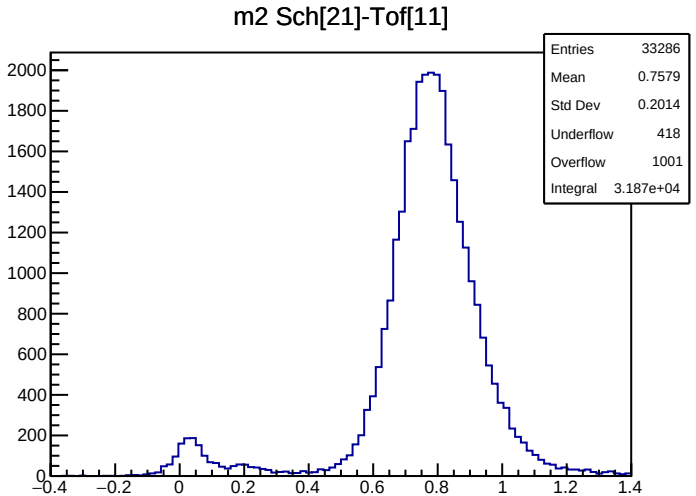

MissMass Sigma Sch[21]-Tof[10]
Entries 2598
Mean 1.195
Std Dev 0.03252
Underflow 9
Overflow 0
Integral 2589

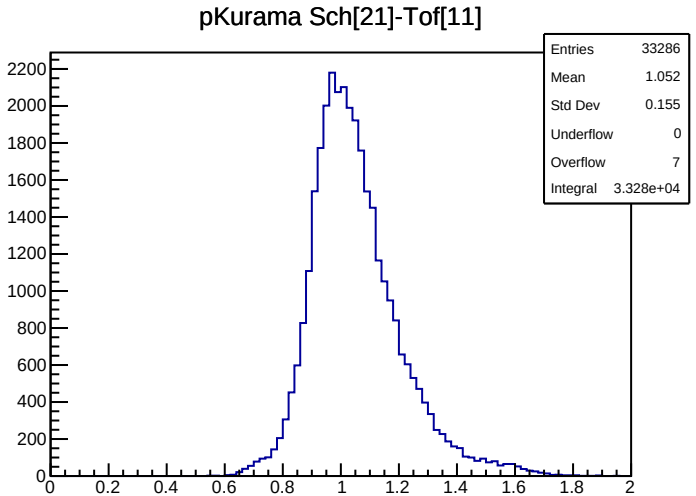

m2 Sch[21]-Tof[10]
Entries 59400
Mean 0.7039
Std Dev 0.2605
Underflow 441
Overflow 1043
Integral 5.792e+04

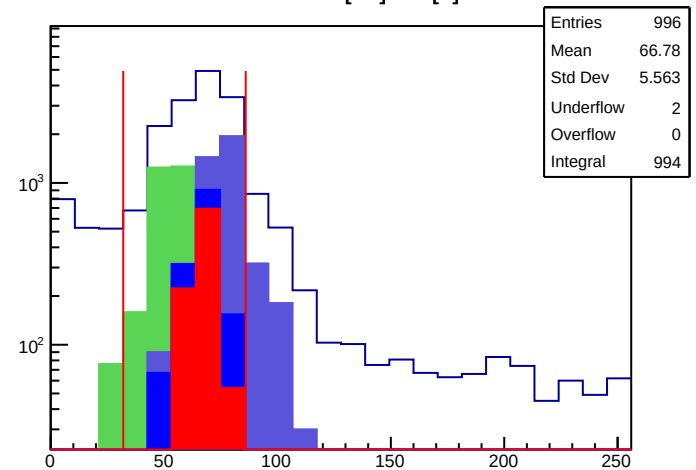

pKurama Sch[21]-Tof[10]
Entries 59400
Mean 0.953
Std Dev 0.09828
Underflow 0
Overflow 4
Integral 5.94e+04

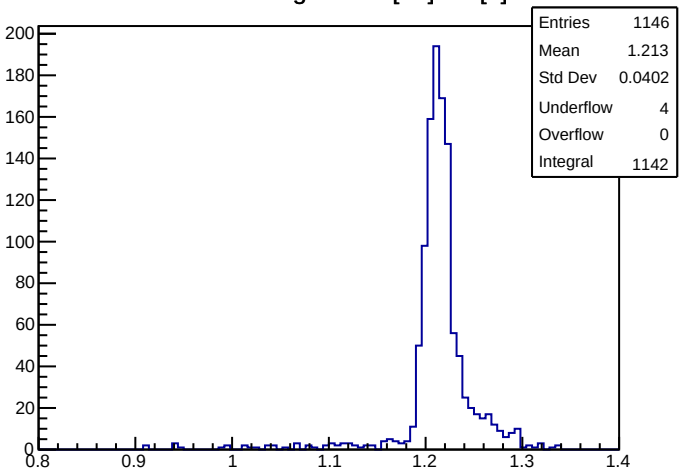

sftx all Sch[21]-Tof[11]
Entries 126
Mean 39.58
Std Dev 5.294
Underflow 0
Overflow 0
Integral 126

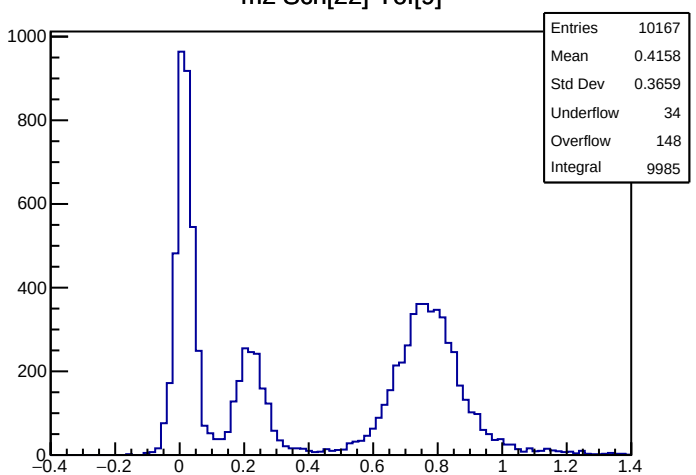

MissMass Sigma Sch[21]-Tof[11]
Entries 142
Mean 1.175
Std Dev 0.05544
Underflow 0
Overflow 0
Integral 142

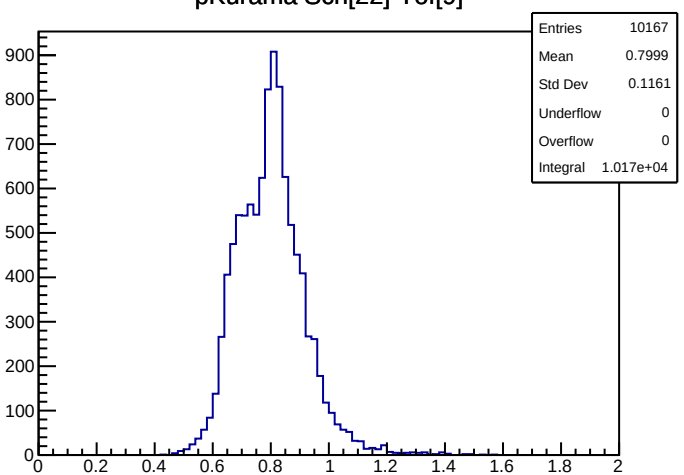

m2 Sch[21]-Tof[11]
Entries 33286
Mean 0.7579
Std Dev 0.2014
Underflow 418
Overflow 1001
Integral 3.187e+04

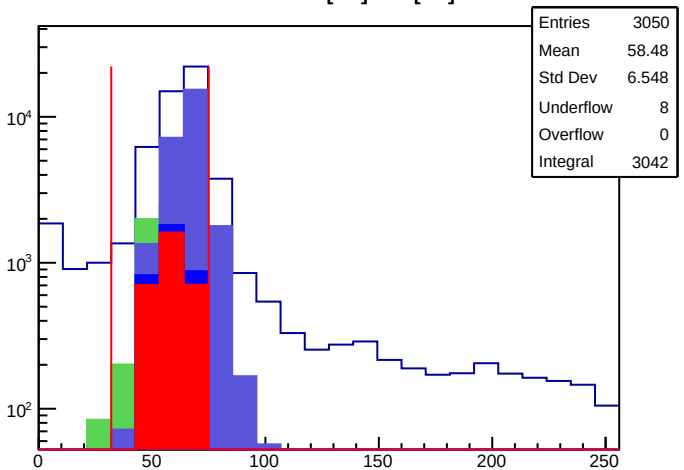

pKurama Sch[21]-Tof[11]
Entries 33286
Mean 1.052
Std Dev 0.155
Underflow 0
Overflow 7
Integral 3.328e+04

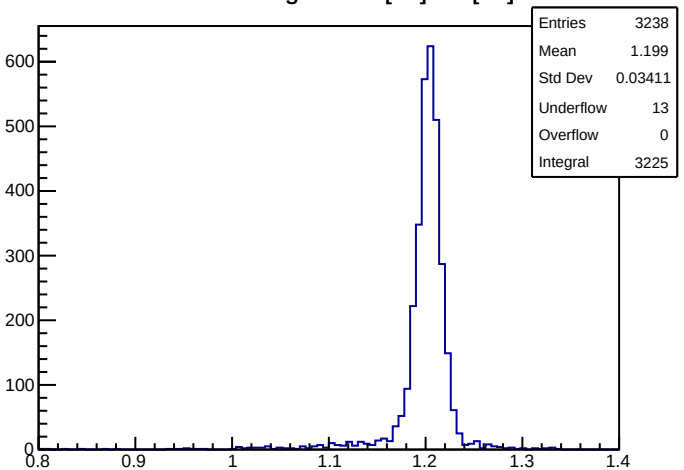

sftx all Sch[22]-Tof[9]
Entries 996
Mean 66.78
Std Dev 5.563
Underflow 2
Overflow 0
Integral 994
10^3
10^2
0 50 100 150 200 250

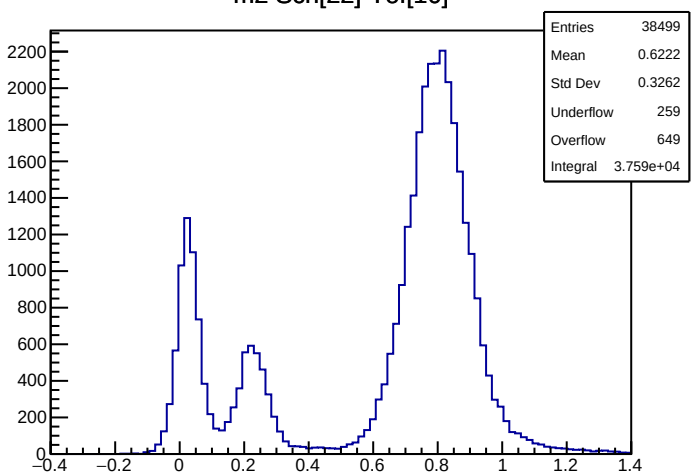

MissMass Sigma Sch[22]-Tof[9]
Entries 1146
Mean 1.213
Std Dev 0.0402
Underflow 4
Overflow 0
Integral 1142
200 180 160 140 120 100 80 60 40 20 0
0.8 0.9 1 1.1 1.2 1.3 1.4

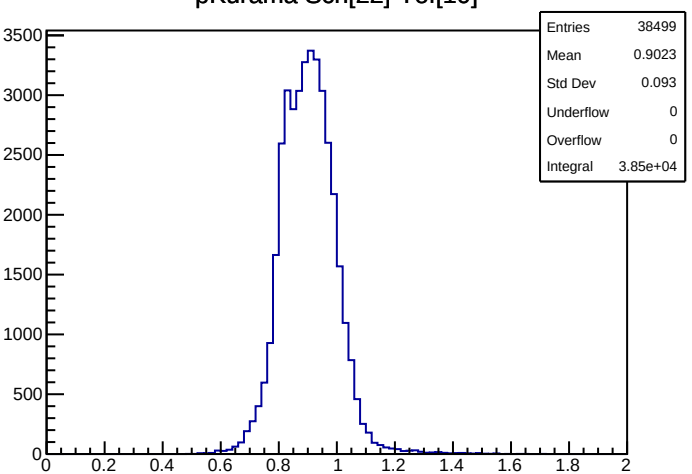

m2 Sch[22]-Tof[9]
Entries 10167
Mean 0.4158
Std Dev 0.3659
Underflow 34
Overflow 148
Integral 9985
1000 800 600 400 200 0
−0.4 −0.2 0 0.2 0.4 0.6 0.8 1 1.2 1.4

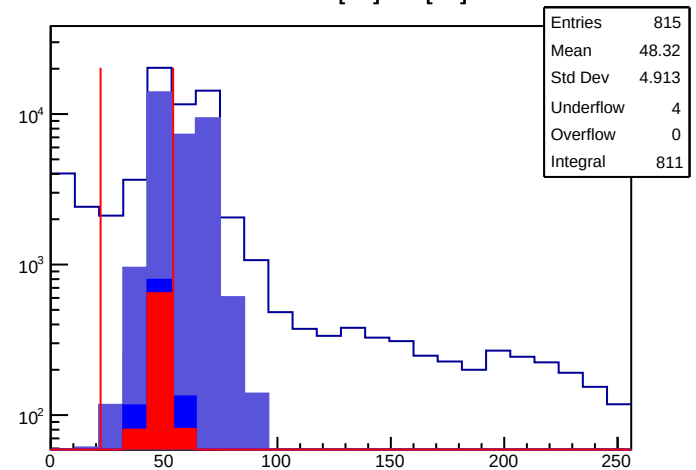

pKurama Sch[22]-Tof[9]
Entries 10167
Mean 0.7999
Std Dev 0.1161
Underflow 0
Overflow 0
Integral 1.017e+04
900 800 700 600 500 400 300 200 100 0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

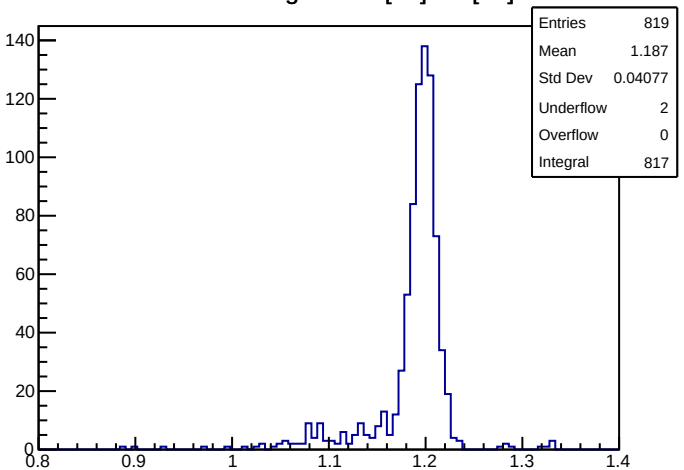

sftx all Sch[22]-Tof[10]
Entries 3050
Mean 58.48
Std Dev 6.548
Underflow 8
Overflow 0
Integral 3042

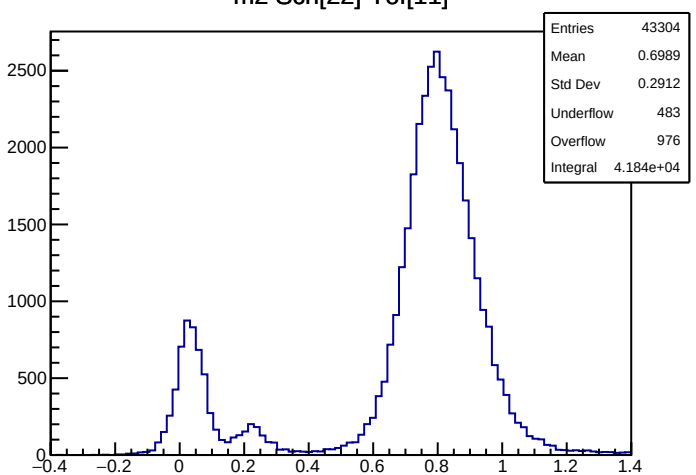

MissMass Sigma Sch[22]-Tof[10]
Entries 3238
Mean 1.199
Std Dev 0.03411
Underflow 13
Overflow 0
Integral 3225

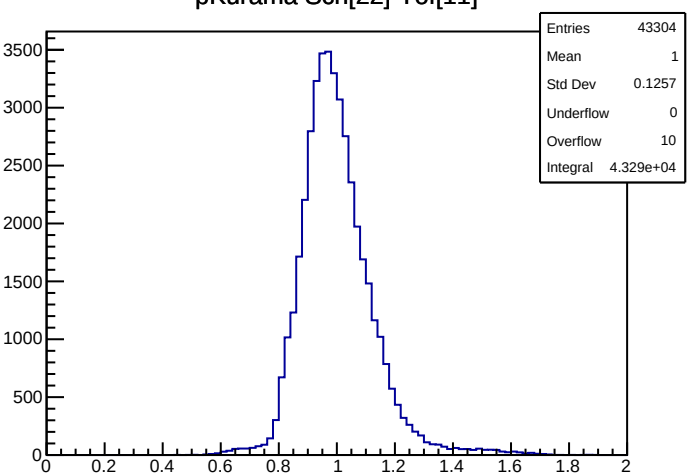

m2 Sch[22]-Tof[10]
Entries 38499
Mean 0.6222
Std Dev 0.3262
Underflow 259
Overflow 649
Integral 3.759e+04

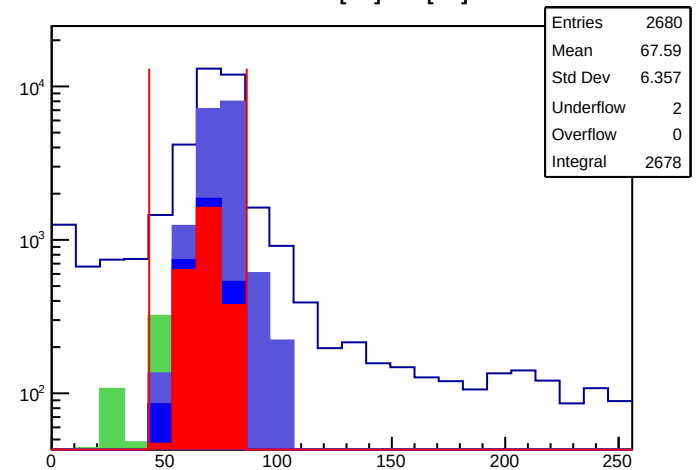

pKurama Sch[22]-Tof[10]
Entries 38499
Mean 0.9023
Std Dev 0.093
Underflow 0
Overflow 0
Integral 3.85e+04

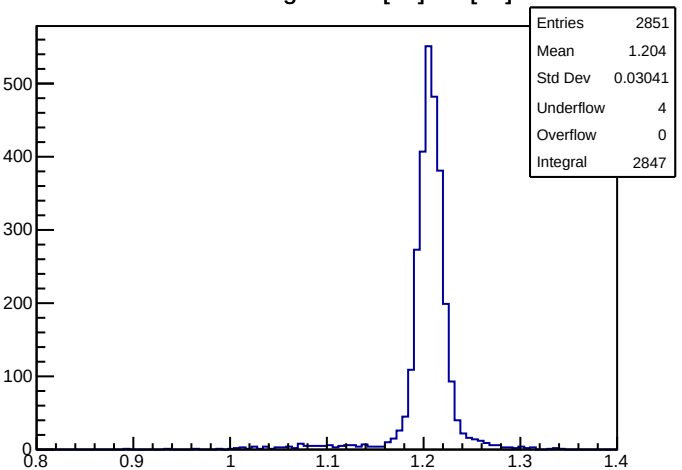

sftx all Sch[22]-Tof[11]
Entries 815
Mean 48.32
Std Dev 4.913
Underflow 4
Overflow 0
Integral 811

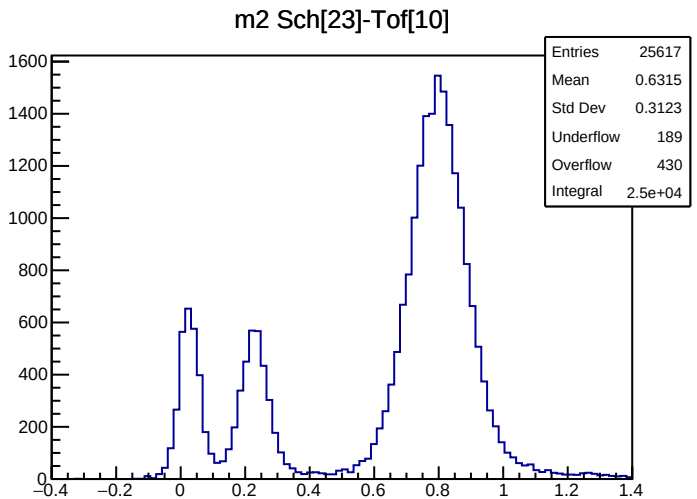

MissMass Sigma Sch[22]-Tof[11]
Entries 819
Mean 1.187
Std Dev 0.04077
Underflow 2
Overflow 0
Integral 817

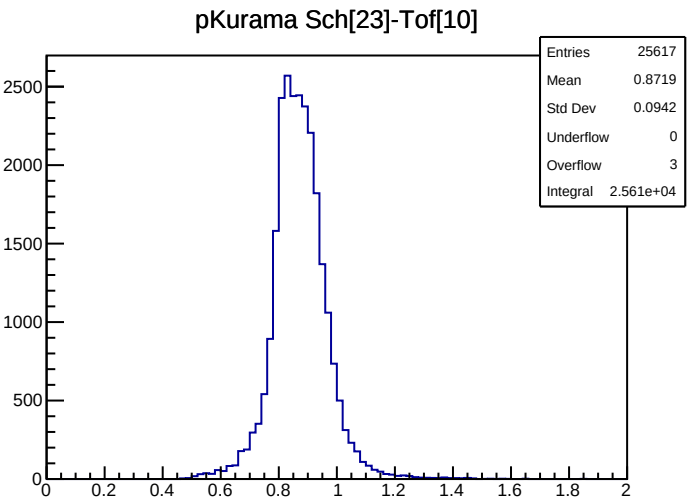

m2 Sch[22]-Tof[11]
Entries 43304
Mean 0.6989
Std Dev 0.2912
Underflow 483
Overflow 976
Integral 4.184e+04

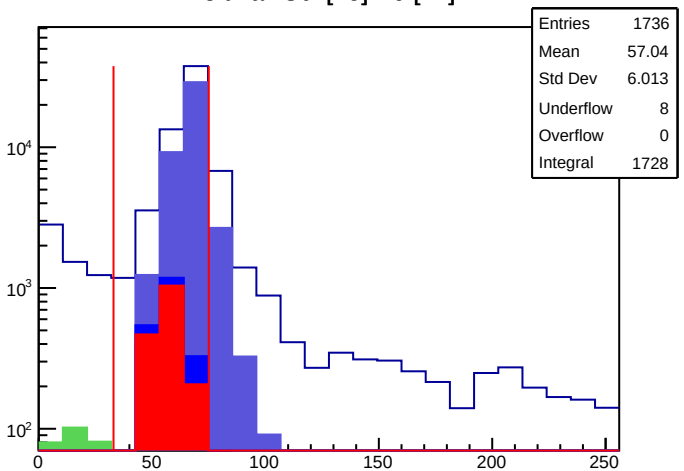

pKurama Sch[22]-Tof[11]
Entries 43304
Mean 1
Std Dev 0.1257
Underflow 0
Overflow 10
Integral 4.329e+04

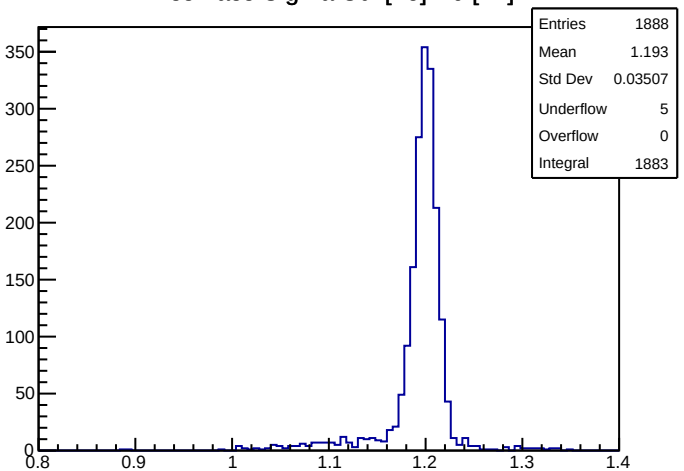

sftx all Sch[23]-Tof[10]
Entries 2680
Mean 67.59
Std Dev 6.357
Underflow 2
Overflow 0
Integral 2678

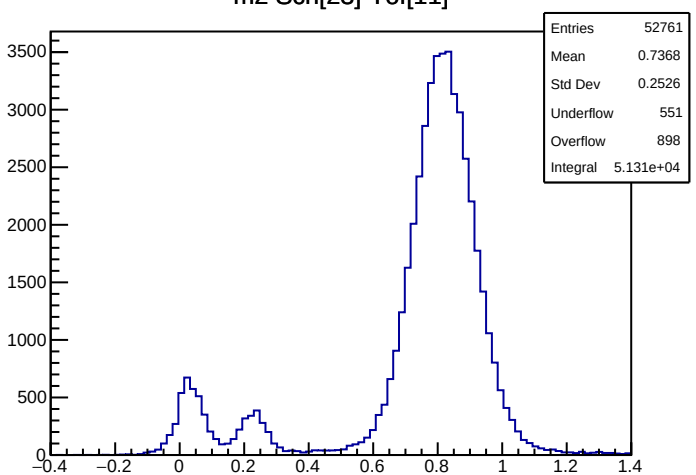

MissMass Sigma Sch[23]-Tof[10]
Entries 2851
Mean 1.204
Std Dev 0.03041
Underflow 4
Overflow 0
Integral 2847

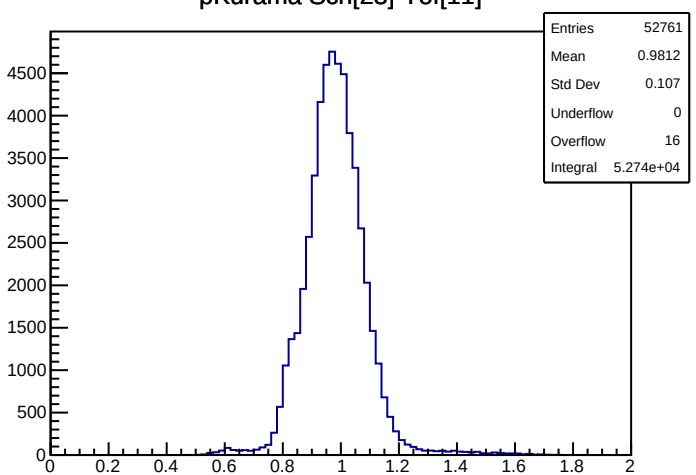

m2 Sch[23]-Tof[10]
Entries 25617
Mean 0.6315
Std Dev 0.3123
Underflow 189
Overflow 430
Integral 2.5e+04

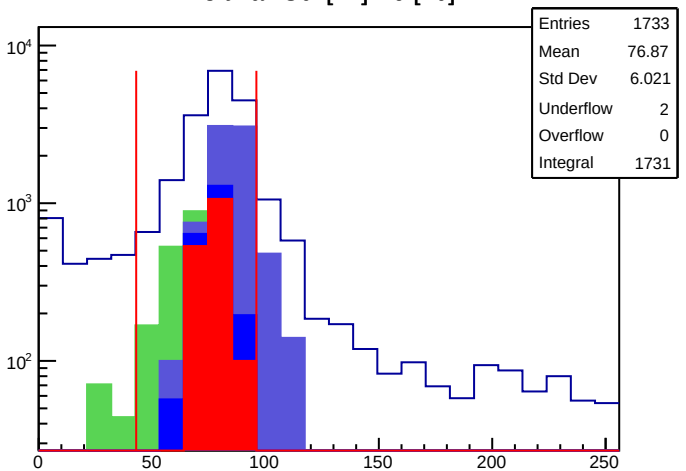

pKurama Sch[23]-Tof[10]
Entries 25617
Mean 0.8719
Std Dev 0.0942
Underflow 0
Overflow 3
Integral 2.561e+04

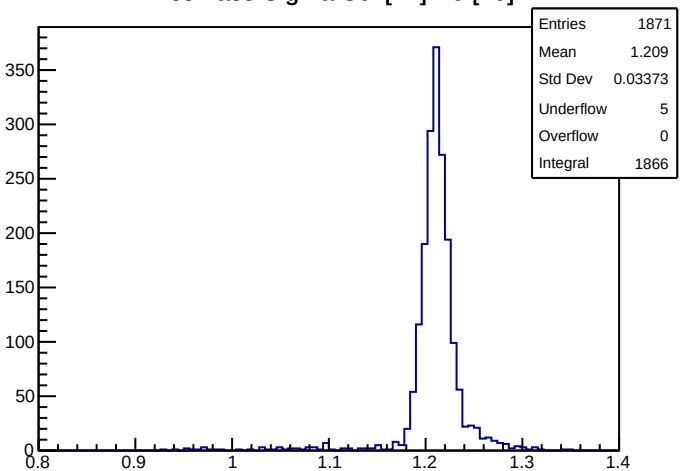

sftx all Sch[23]-Tof[11]
Entries 1736
Mean 57.04
Std Dev 6.013
Underflow 8
Overflow 0
Integral 1728

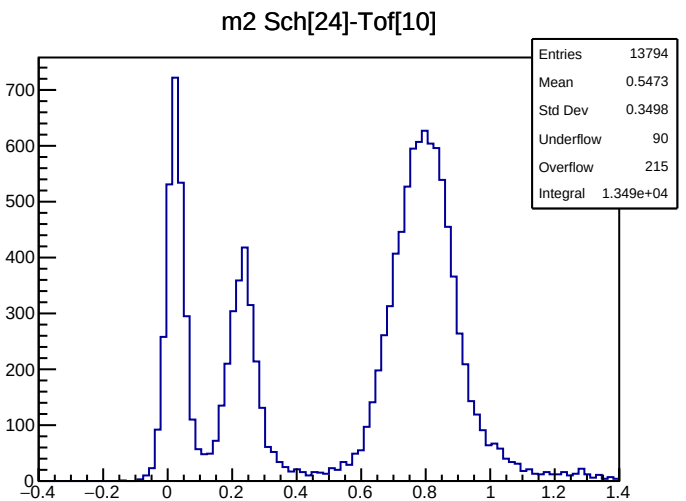

MissMass Sigma Sch[23]-Tof[11]
Entries 1888
Mean 1.193
Std Dev 0.03507
Underflow 5
Overflow 0
Integral 1883

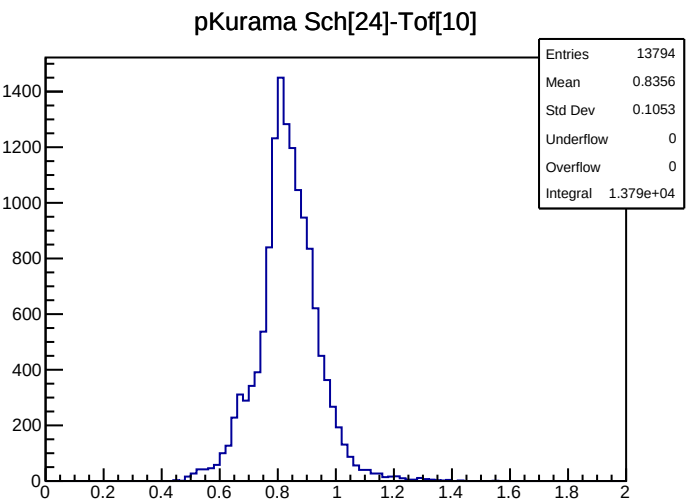

m2 Sch[23]-Tof[11]
Entries 52761
Mean 0.7368
Std Dev 0.2526
Underflow 551
Overflow 898
Integral 5.131e+04

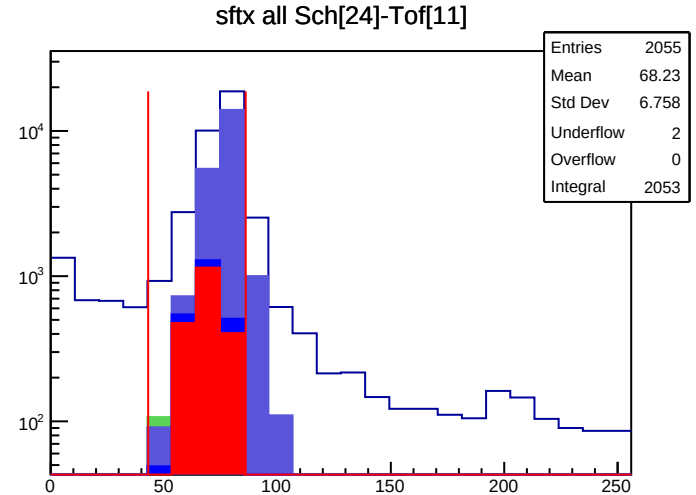

pKurama Sch[23]-Tof[11]
Entries 52761
Mean 0.9812
Std Dev 0.107
Underflow 0
Overflow 16
Integral 5.274e+04

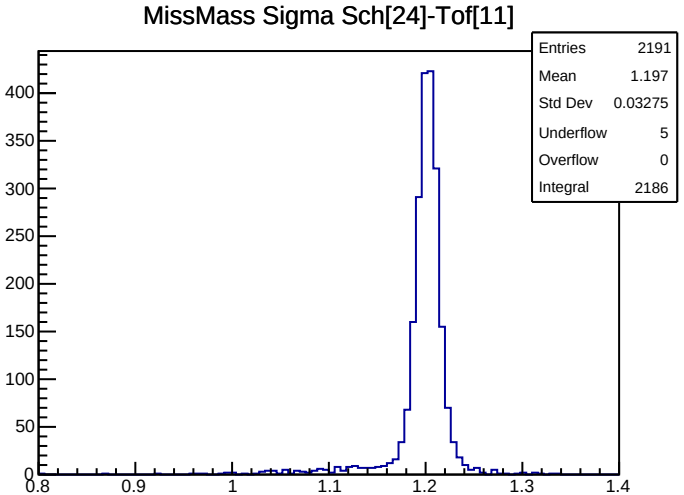

sftx all Sch[24]-Tof[10]
Entries 1733
Mean 76.87
Std Dev 6.021
Underflow 2
Overflow 0
Integral 1731

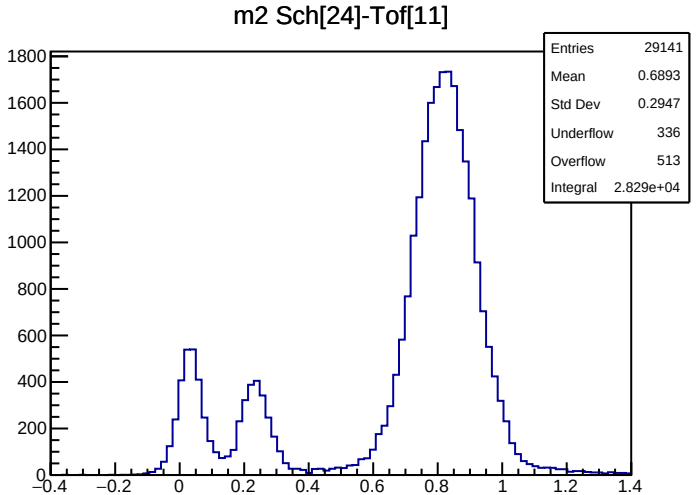

MissMass Sigma Sch[24]-Tof[10]
Entries 1871
Mean 1.209
Std Dev 0.03373
Underflow 5
Overflow 0
Integral 1866

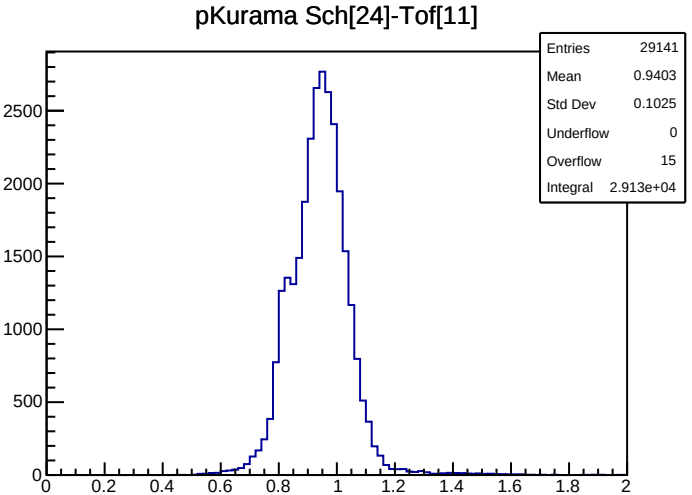

m2 Sch[24]-Tof[10]
Entries 13794
Mean 0.5473
Std Dev 0.3498
Underflow 90
Overflow 215
Integral 1.349e+04

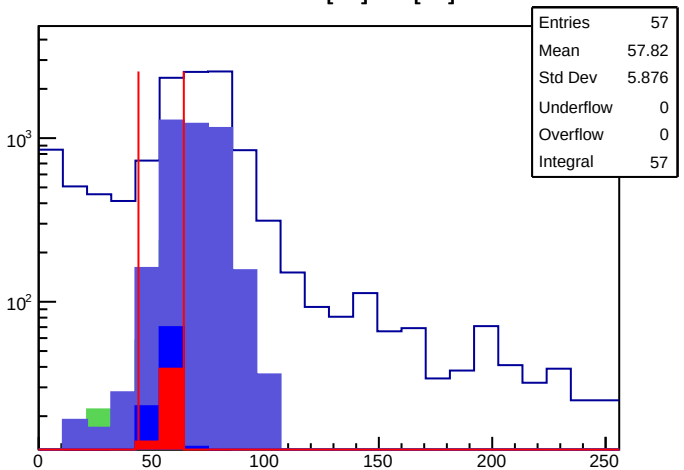

pKurama Sch[24]-Tof[10]
Entries 13794
Mean 0.8356
Std Dev 0.1053
Underflow 0
Overflow 0
Integral 1.379e+04

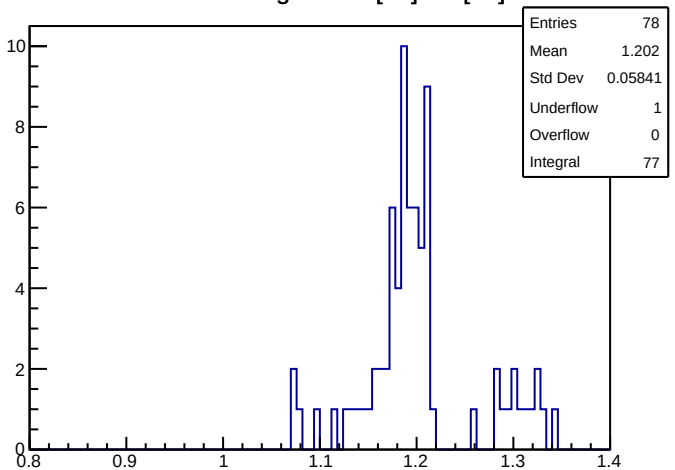

sftx all Sch[24]-Tof[11]
Entries 2055
Mean 68.23
Std Dev 6.758
Underflow 2
Overflow 0
Integral 2053

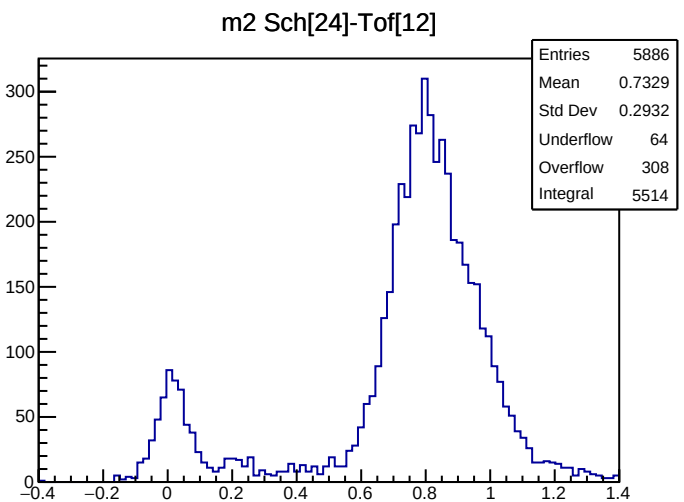

MissMass Sigma Sch[24]-Tof[11]
Entries 2191
Mean 1.197
Std Dev 0.03275
Underflow 5
Overflow 0
Integral 2186

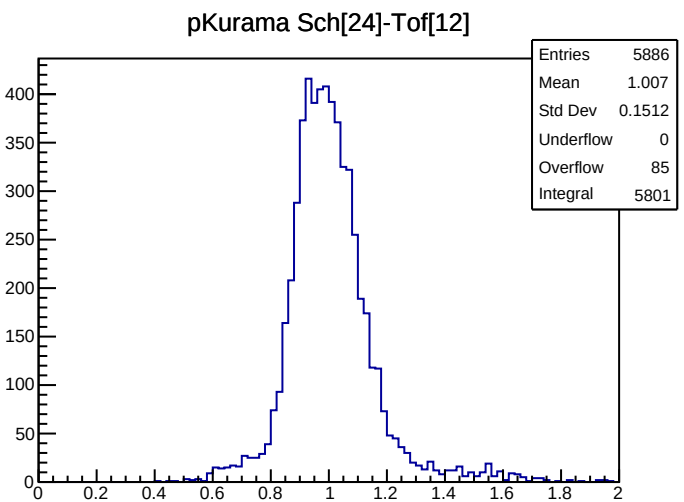

m2 Sch[24]-Tof[11]
Entries 29141
Mean 0.6893
Std Dev 0.2947
Underflow 336
Overflow 513
Integral 2.829e+04

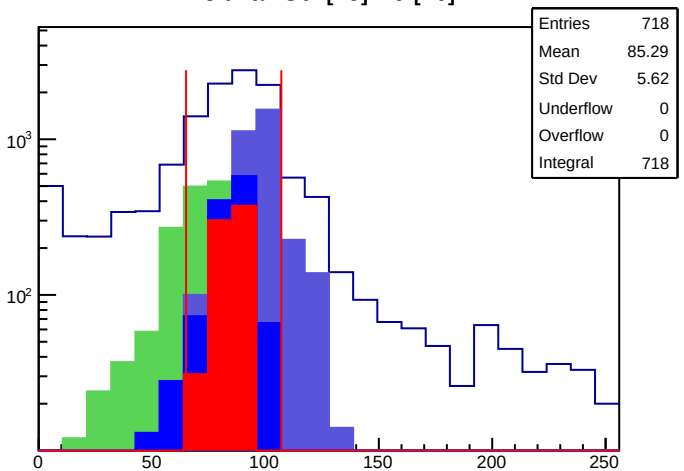

pKurama Sch[24]-Tof[11]
Entries 29141
Mean 0.9403
Std Dev 0.1025
Underflow 0
Overflow 15
Integral 2.913e+04

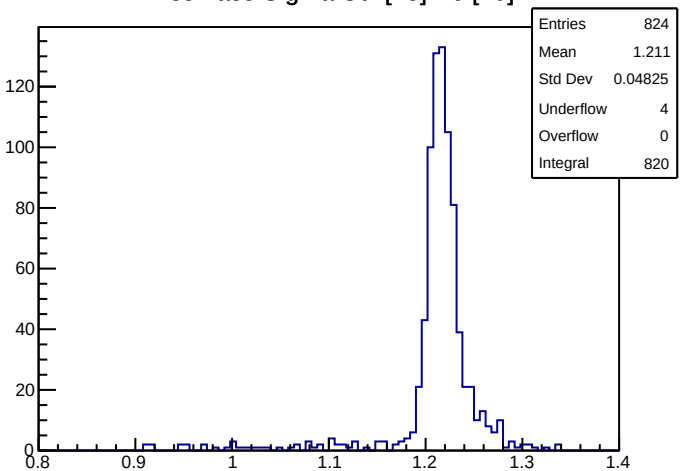

sftx all Sch[24]-Tof[12]
Entries 57
Mean 57.82
Std Dev 5.876
Underflow 0
Overflow 0
Integral 57
10^3
10^2
0
50
100
150
200
250

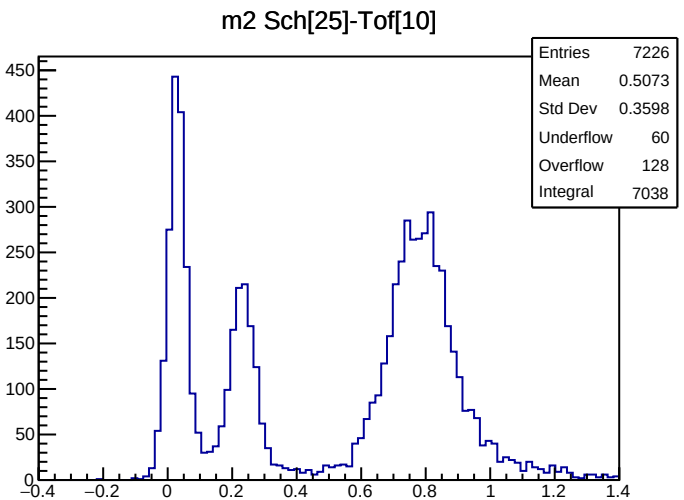

MissMass Sigma Sch[24]-Tof[12]
Entries 78
Mean 1.202
Std Dev 0.05841
Underflow 1
Overflow 0
Integral 77
10
8
6
4
2
0
0.8
0.9
1
1.1
1.2
1.3
1.4

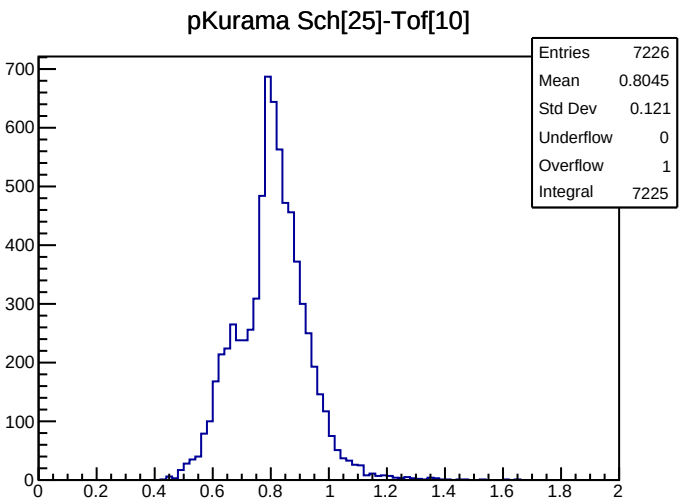

m2 Sch[24]-Tof[12]
Entries 5886
Mean 0.7329
Std Dev 0.2932
Underflow 64
Overflow 308
Integral 5514
300
250
200
150
100
50
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

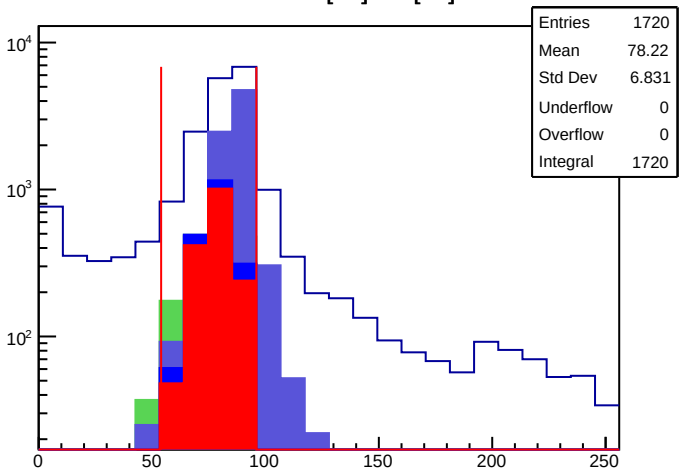

pKurama Sch[24]-Tof[12]
Entries 5886
Mean 1.007
Std Dev 0.1512
Underflow 0
Overflow 85
Integral 5801
400
350
300
250
200
150
100
50
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

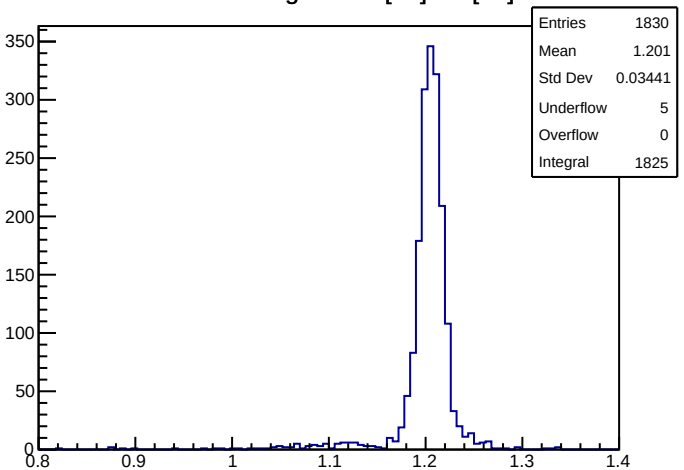

sftx all Sch[25]-Tof[10]
Entries 718
Mean 85.29
Std Dev 5.62
Underflow 0
Overflow 0
Integral 718

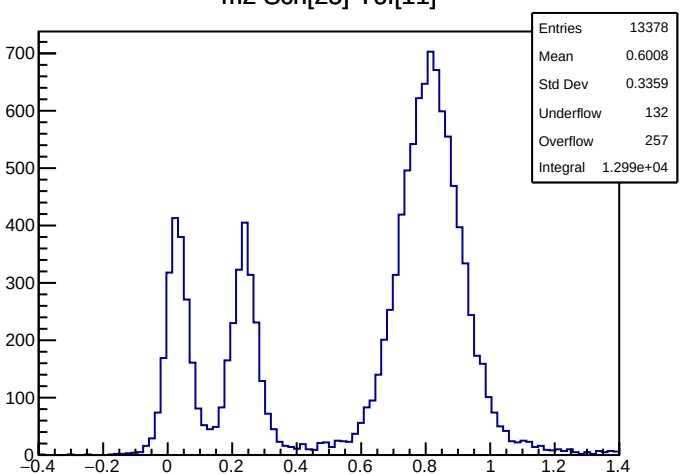

MissMass Sigma Sch[25]-Tof[10]
Entries 824
Mean 1.211
Std Dev 0.04825
Underflow 4
Overflow 0
Integral 820

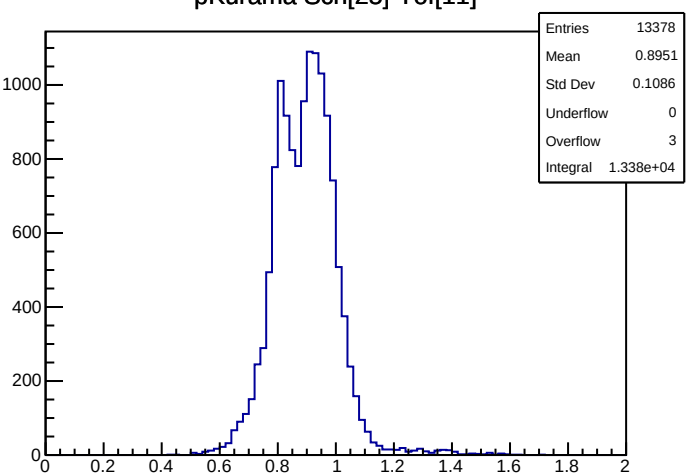

m2 Sch[25]-Tof[10]
Entries 7226
Mean 0.5073
Std Dev 0.3598
Underflow 60
Overflow 128
Integral 7038

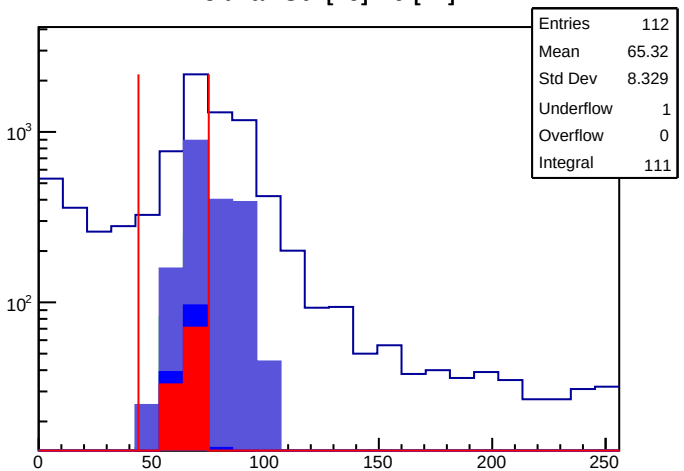

pKurama Sch[25]-Tof[10]
Entries 7226
Mean 0.8045
Std Dev 0.121
Underflow 0
Overflow 1
Integral 7225

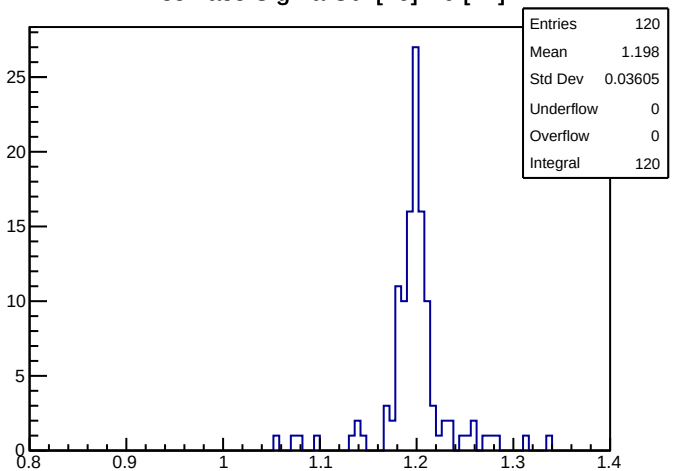

sftx all Sch[25]-Tof[11]
Entries 1720
Mean 78.22
Std Dev 6.831
Underflow 0
Overflow 0
Integral 1720

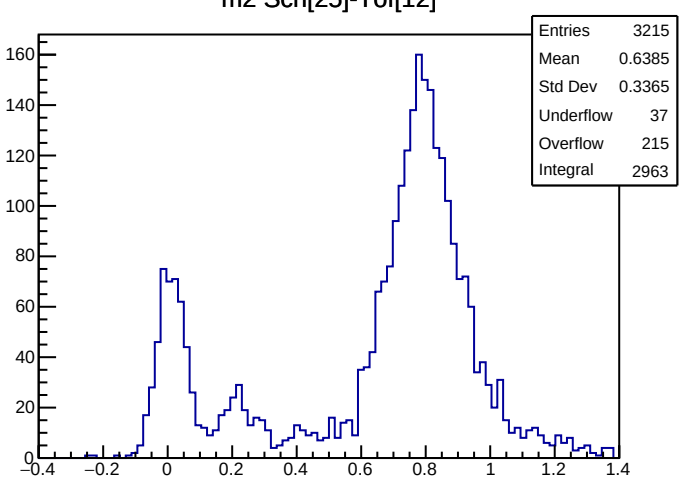

MissMass Sigma Sch[25]-Tof[11]
Entries 1830
Mean 1.201
Std Dev 0.03441
Underflow 5
Overflow 0
Integral 1825

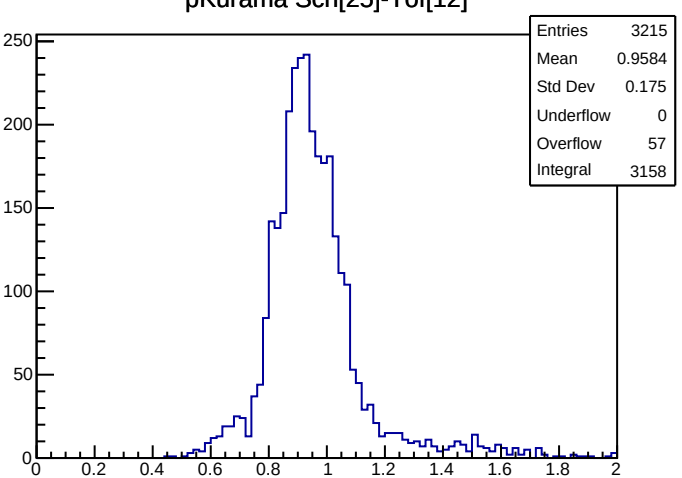

m2 Sch[25]-Tof[11]
Entries 13378
Mean 0.6008
Std Dev 0.3359
Underflow 132
Overflow 257
Integral 1.299e+04

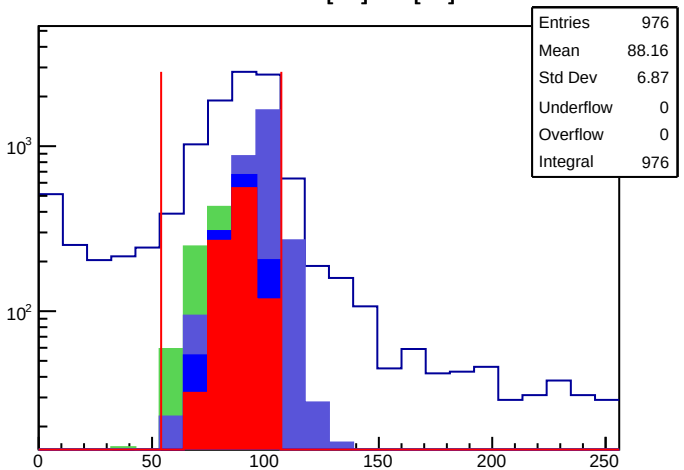

pKurama Sch[25]-Tof[11]
Entries 13378
Mean 0.8951
Std Dev 0.1086
Underflow 0
Overflow 3
Integral 1.338e+04

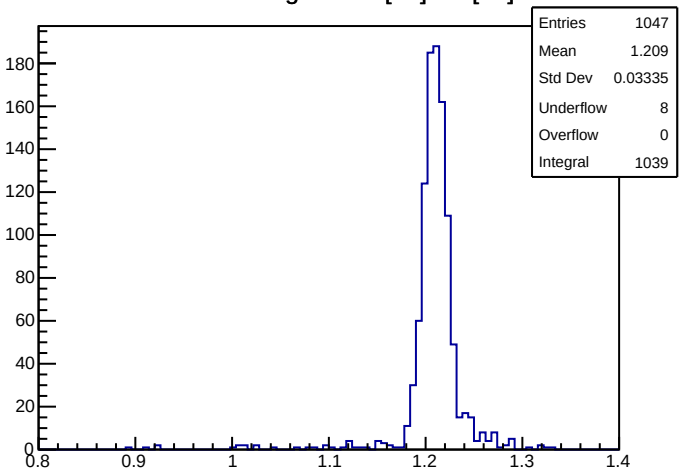

sftx all Sch[25]-Tof[12]
Entries 112
Mean 65.32
Std Dev 8.329
Underflow 1
Overflow 0
Integral 111
10^3
10^2
0 50 100 150 200 250

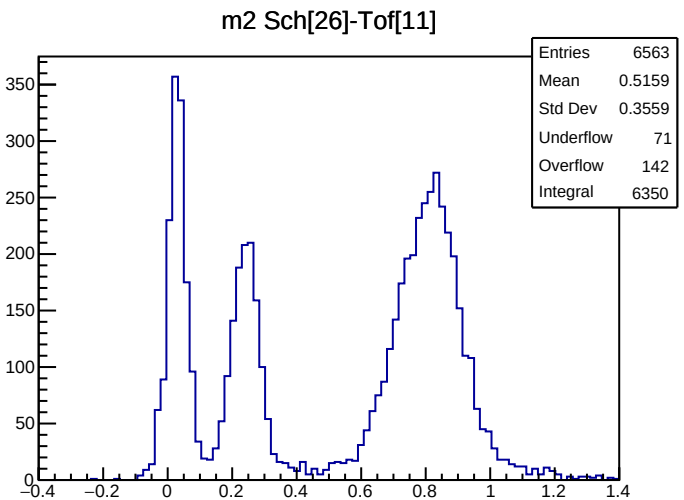

MissMass Sigma Sch[25]-Tof[12]
Entries 120
Mean 1.198
Std Dev 0.03605
Underflow 0
Overflow 0
Integral 120
25 20 15 10 5 0
0.8 0.9 1 1.1 1.2 1.3 1.4

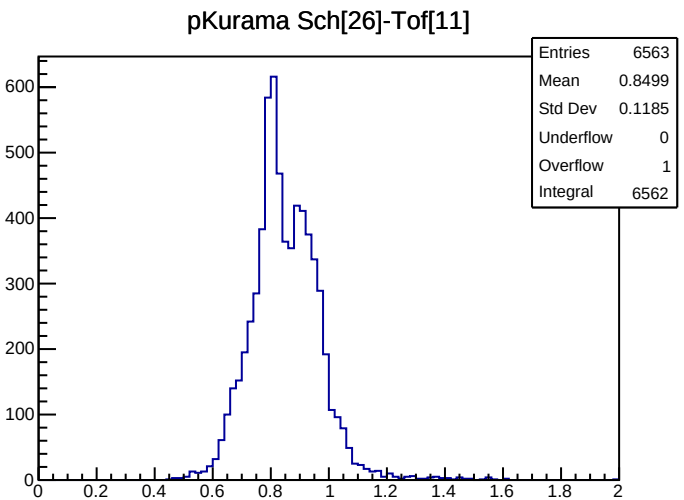

m2 Sch[25]-Tof[12]
Entries 3215
Mean 0.6385
Std Dev 0.3365
Underflow 37
Overflow 215
Integral 2963
160 140 120 100 80 60 40 20 0
−0.4 −0.2 0 0.2 0.4 0.6 0.8 1 1.2 1.4

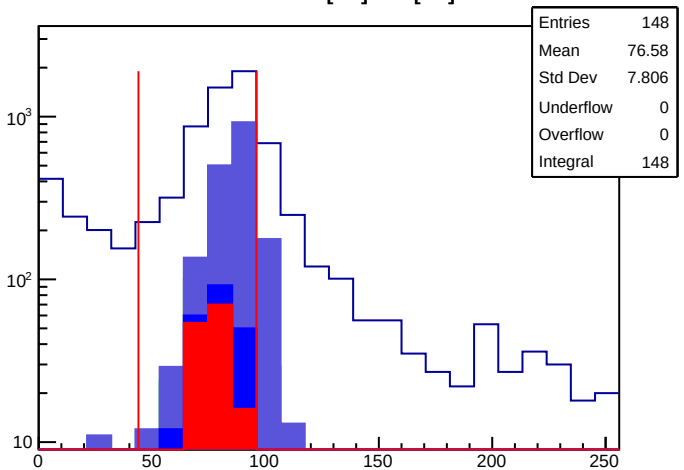

pKurama Sch[25]-Tof[12]
Entries 3215
Mean 0.9584
Std Dev 0.175
Underflow 0
Overflow 57
Integral 3158
250 200 150 100 50 0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

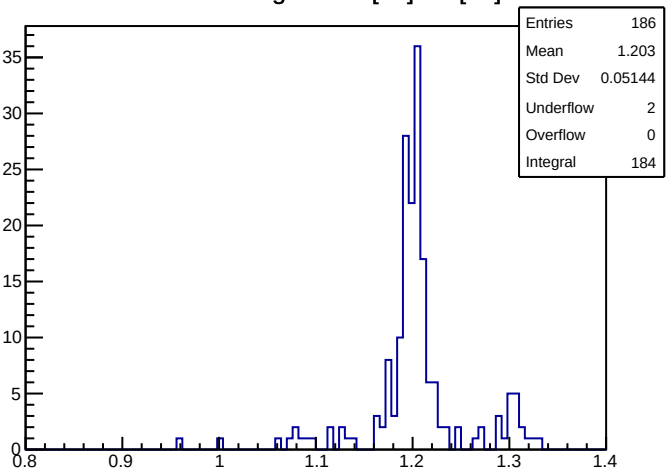

sftx all Sch[26]-Tof[11]
Entries 976
Mean 88.16
Std Dev 6.87
Underflow 0
Overflow 0
Integral 976
10^3
10^2
0
50
100
150
200
250

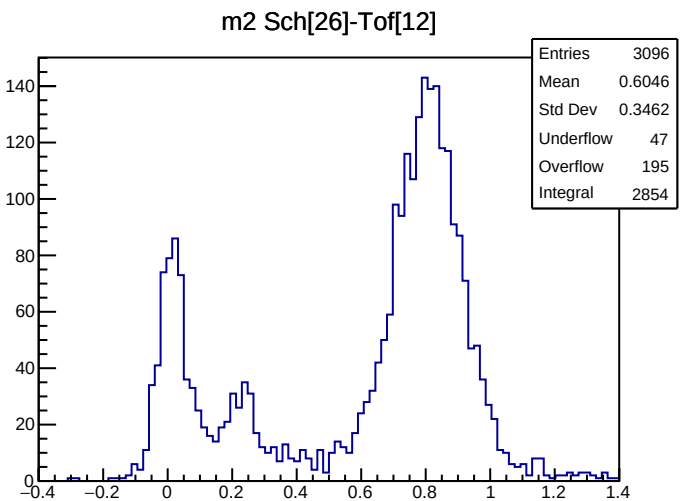

MissMass Sigma Sch[26]-Tof[11]
Entries 1047
Mean 1.209
Std Dev 0.03335
Underflow 8
Overflow 0
Integral 1039
180
160
140
120
100
80
60
40
20
0
0.8
0.9
1
1.1
1.2
1.3
1.4

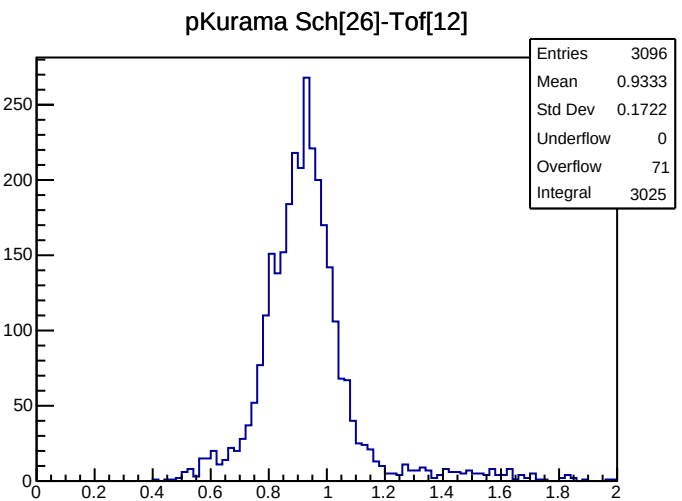

m2 Sch[26]-Tof[11]
Entries 6563
Mean 0.5159
Std Dev 0.3559
Underflow 71
Overflow 142
Integral 6350
350
300
250
200
150
100
50
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

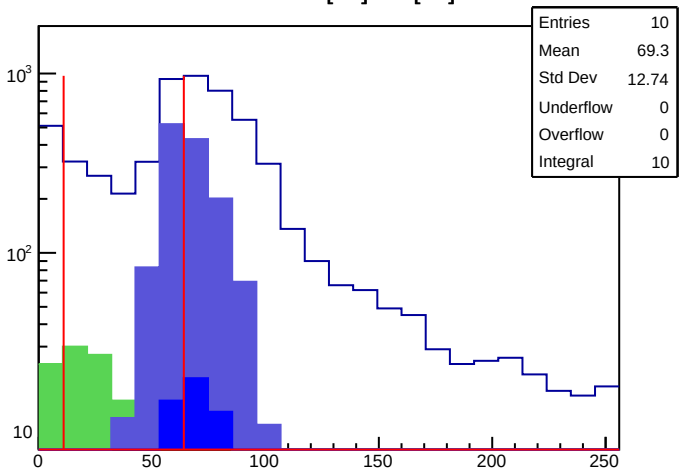

pKurama Sch[26]-Tof[11]
Entries 6563
Mean 0.8499
Std Dev 0.1185
Underflow 0
Overflow 1
Integral 6562
600
500
400
300
200
100
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

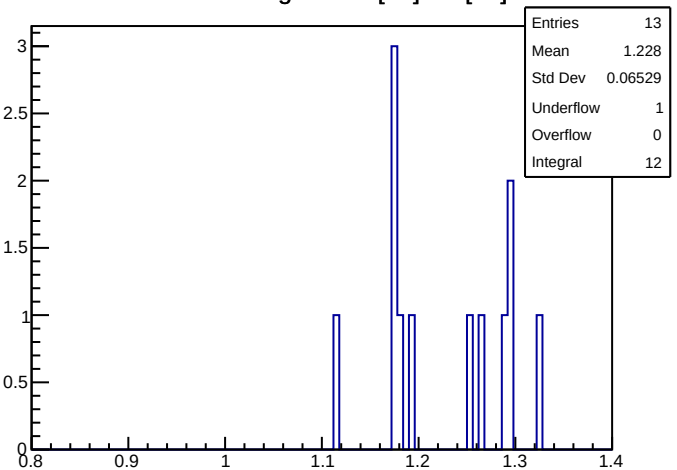

sftx all Sch[26]-Tof[12]
Entries 148
Mean 76.58
Std Dev 7.806
Underflow 0
Overflow 0
Integral 148

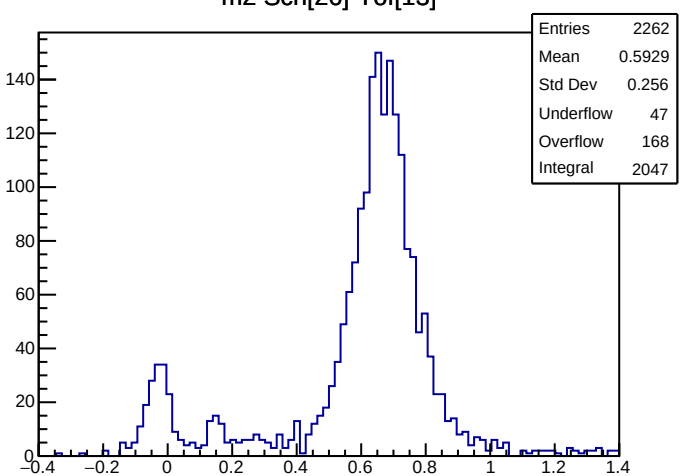

MissMass Sigma Sch[26]-Tof[12]
Entries 186
Mean 1.203
Std Dev 0.05144
Underflow 2
Overflow 0
Integral 184

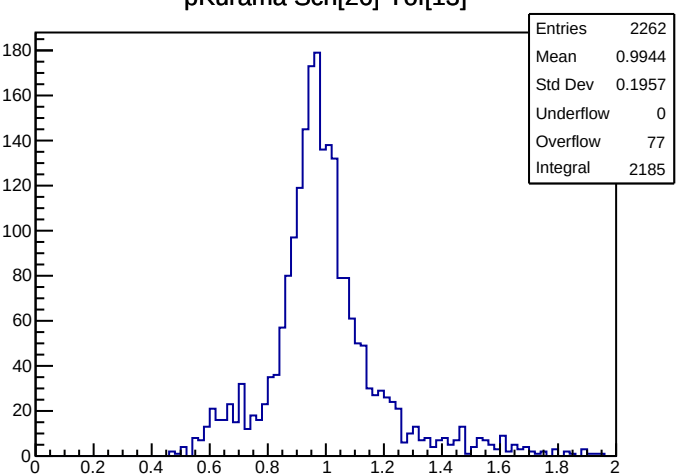

m2 Sch[26]-Tof[12]
Entries 3096
Mean 0.6046
Std Dev 0.3462
Underflow 47
Overflow 195
Integral 2854

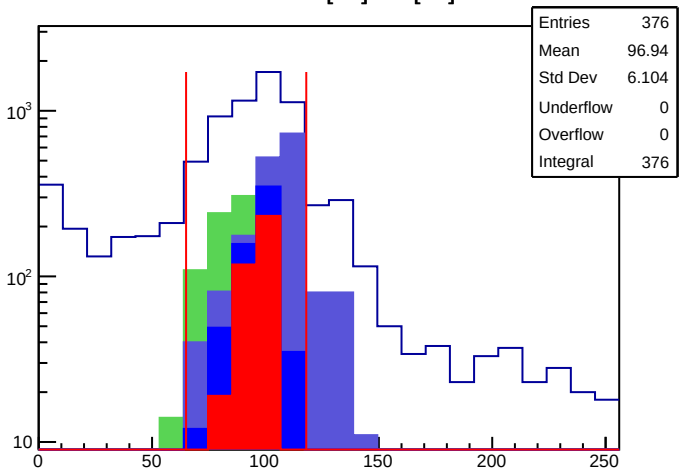

pKurama Sch[26]-Tof[12]
Entries 3096
Mean 0.9333
Std Dev 0.1722
Underflow 0
Overflow 71
Integral 3025

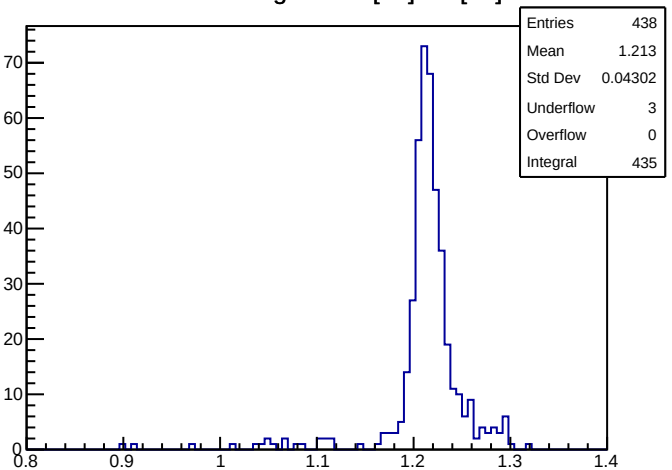

sftx all Sch[26]-Tof[13]
Entries 10
Mean 69.3
Std Dev 12.74
Underflow 0
Overflow 0
Integral 10

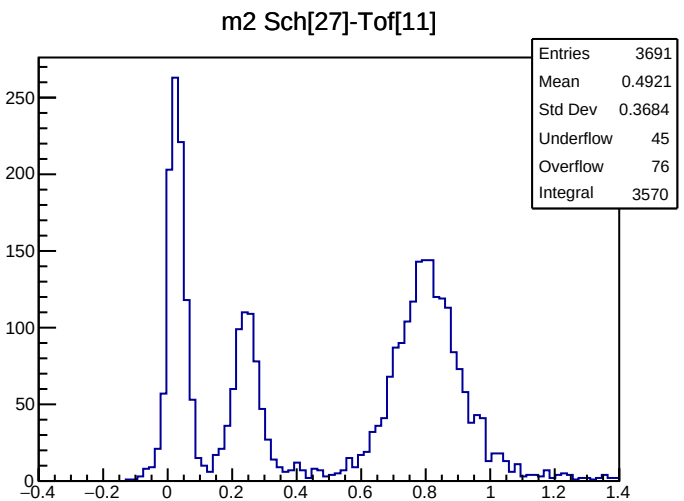

MissMass Sigma Sch[26]-Tof[13]
Entries 13
Mean 1.228
Std Dev 0.06529
Underflow 1
Overflow 0
Integral 12

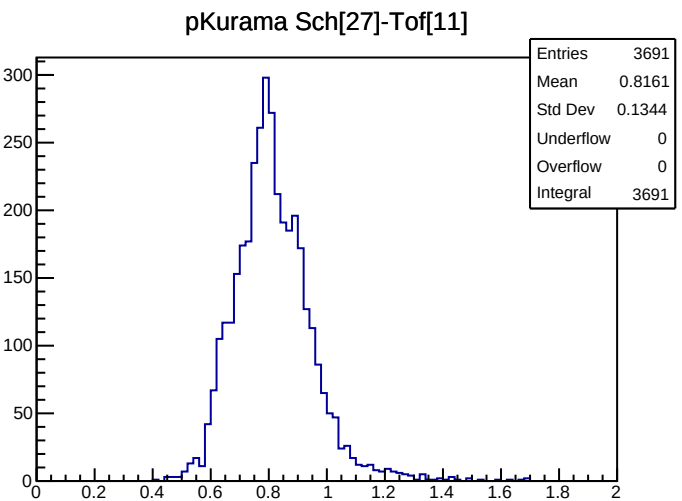

m2 Sch[26]-Tof[13]
Entries 2262
Mean 0.5929
Std Dev 0.256
Underflow 47
Overflow 168
Integral 2047

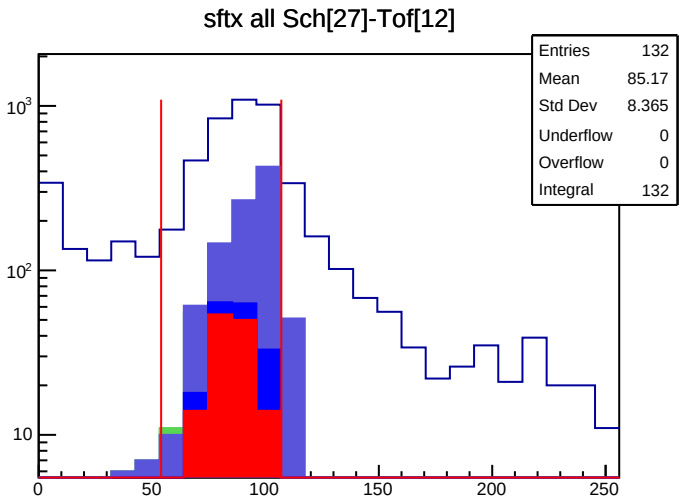

pKurama Sch[26]-Tof[13]
Entries 2262
Mean 0.9944
Std Dev 0.1957
Underflow 0
Overflow 77
Integral 2185

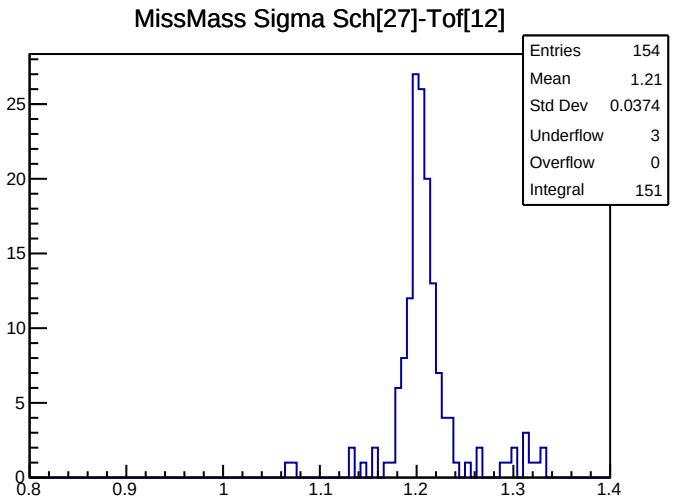

sftx all Sch[27]-Tof[11]
Entries 376
Mean 96.94
Std Dev 6.104
Underflow 0
Overflow 0
Integral 376

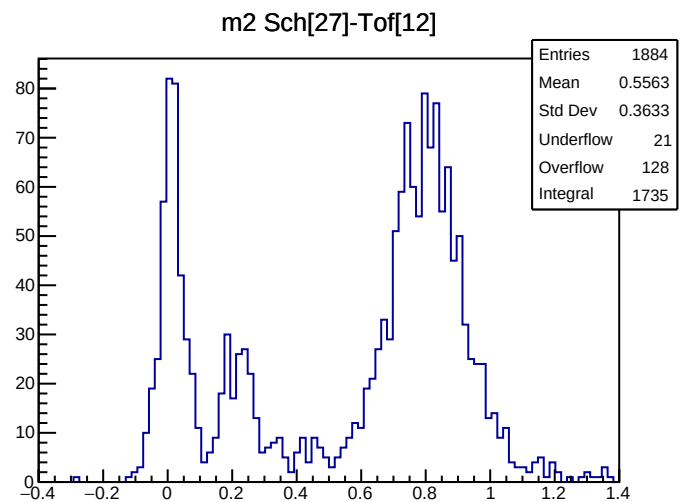

MissMass Sigma Sch[27]-Tof[11]
Entries 438
Mean 1.213
Std Dev 0.04302
Underflow 3
Overflow 0
Integral 435

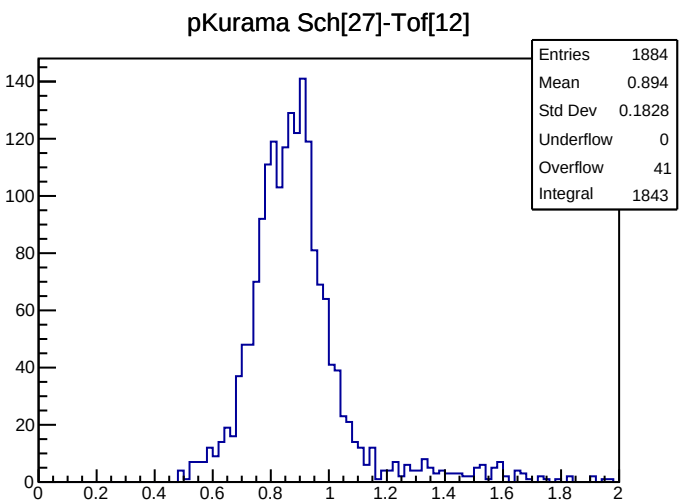

m2 Sch[27]-Tof[11]
Entries 3691
Mean 0.4921
Std Dev 0.3684
Underflow 45
Overflow 76
Integral 3570

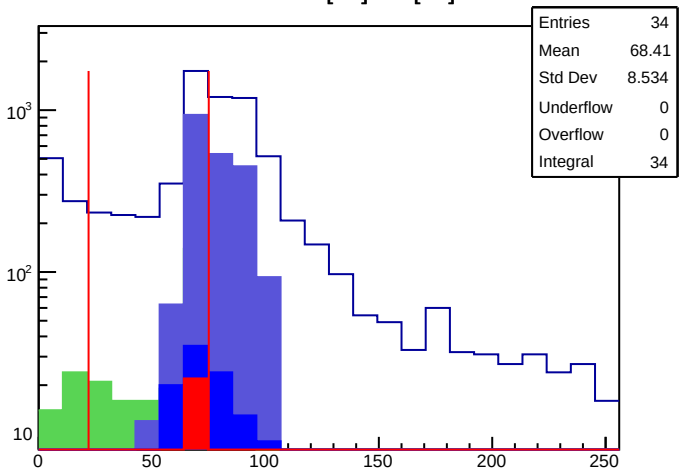

pKurama Sch[27]-Tof[11]
Entries 3691
Mean 0.8161
Std Dev 0.1344
Underflow 0
Overflow 0
Integral 3691

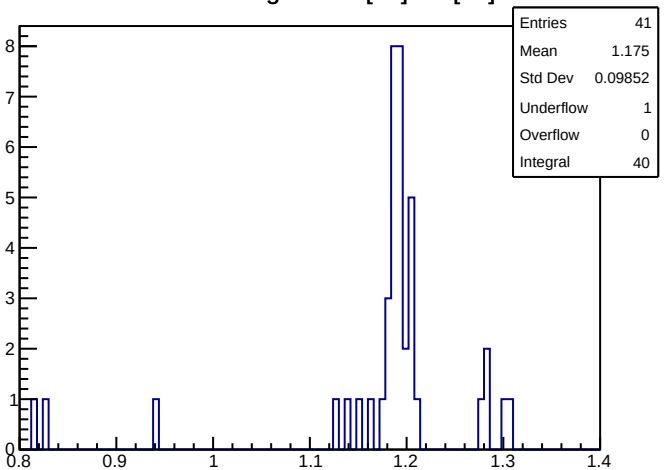

sftx all Sch[27]-Tof[12]
Entries 132
Mean 85.17
Std Dev 8.365
Underflow 0
Overflow 0
Integral 132

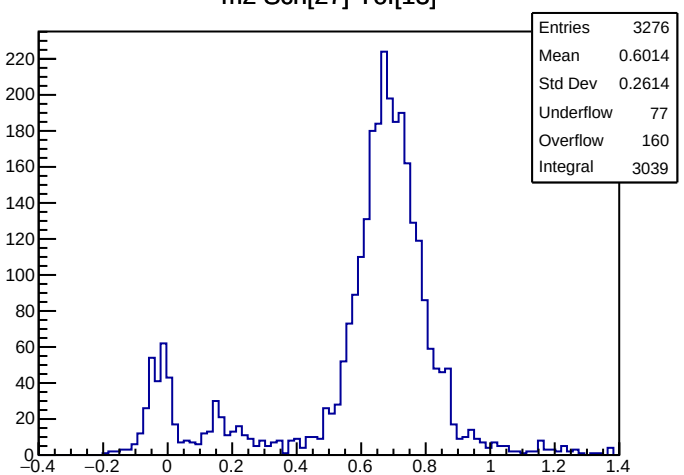

MissMass Sigma Sch[27]-Tof[12]
Entries 154
Mean 1.21
Std Dev 0.0374
Underflow 3
Overflow 0
Integral 151

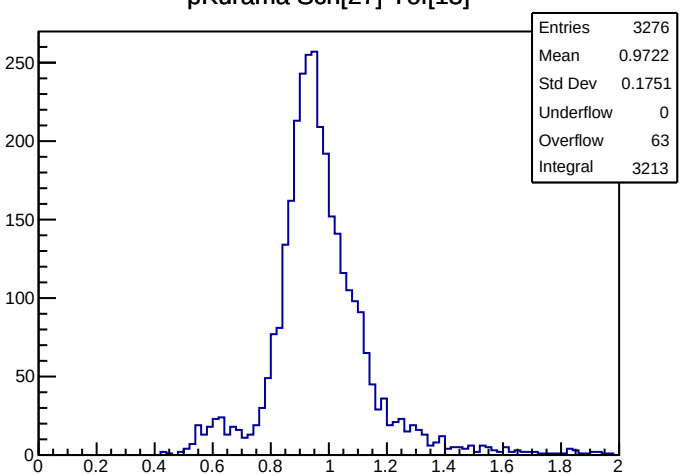

m2 Sch[27]-Tof[12]
Entries 1884
Mean 0.5563
Std Dev 0.3633
Underflow 21
Overflow 128
Integral 1735

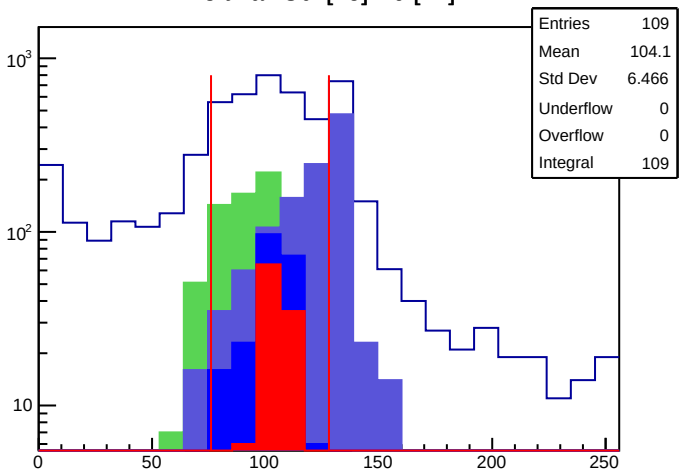

pKurama Sch[27]-Tof[12]
Entries 1884
Mean 0.894
Std Dev 0.1828
Underflow 0
Overflow 41
Integral 1843

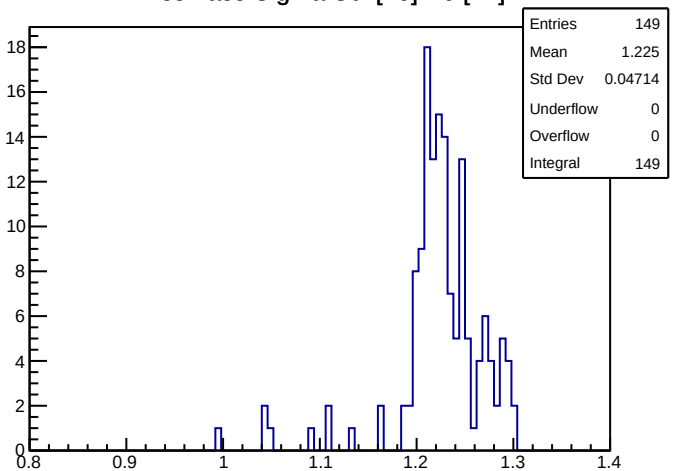

sftx all Sch[27]-Tof[13]
Entries 34
Mean 68.41
Std Dev 8.534
Underflow 0
Overflow 0
Integral 34

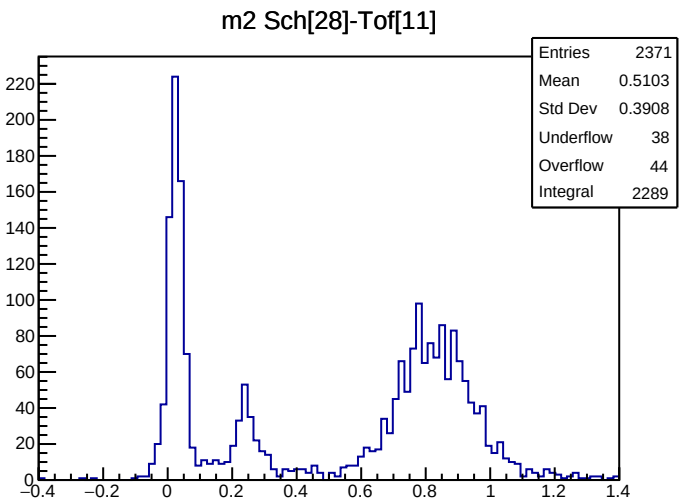

MissMass Sigma Sch[27]-Tof[13]
Entries 41
Mean 1.175
Std Dev 0.09852
Underflow 1
Overflow 0
Integral 40

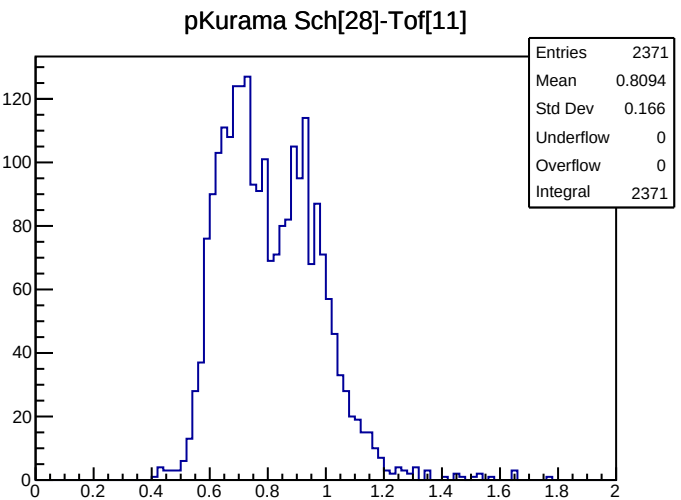

m2 Sch[27]-Tof[13]
Entries 3276
Mean 0.6014
Std Dev 0.2614
Underflow 77
Overflow 160
Integral 3039

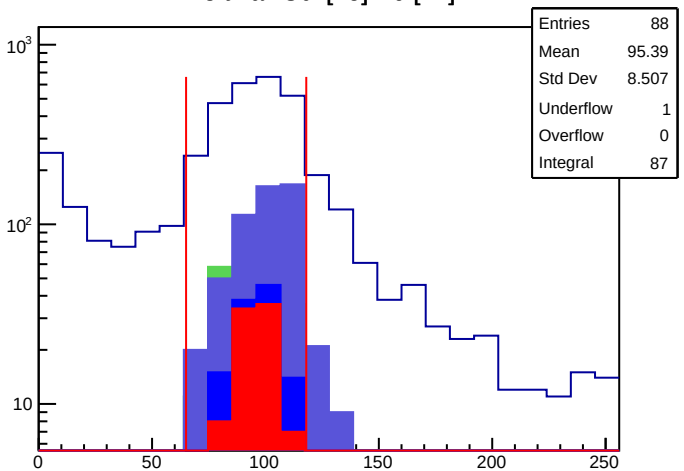

pKurama Sch[27]-Tof[13]
Entries 3276
Mean 0.9722
Std Dev 0.1751
Underflow 0
Overflow 63
Integral 3213

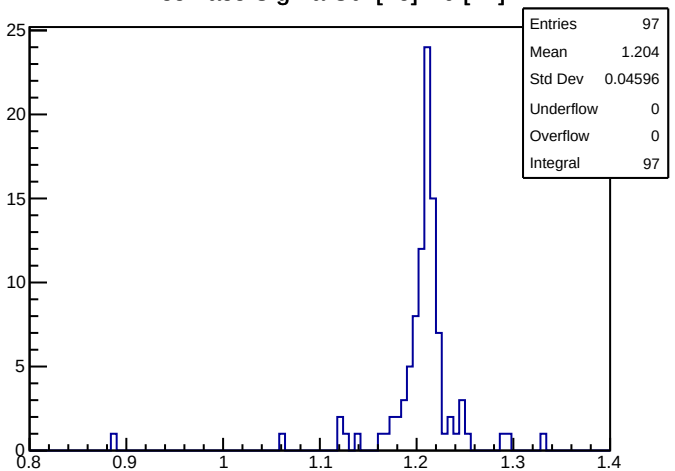

sftx all Sch[28]-Tof[11]
Entries 109
Mean 104.1
Std Dev 6.466
Underflow 0
Overflow 0
Integral 109

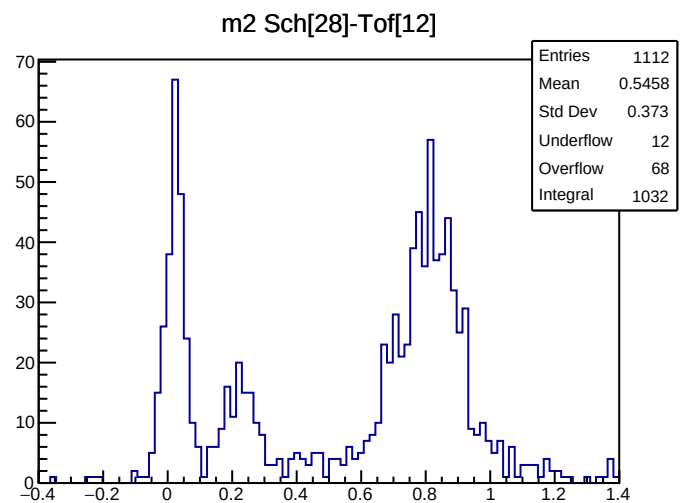

MissMass Sigma Sch[28]-Tof[11]
Entries 149
Mean 1.225
Std Dev 0.04714
Underflow 0
Overflow 0
Integral 149

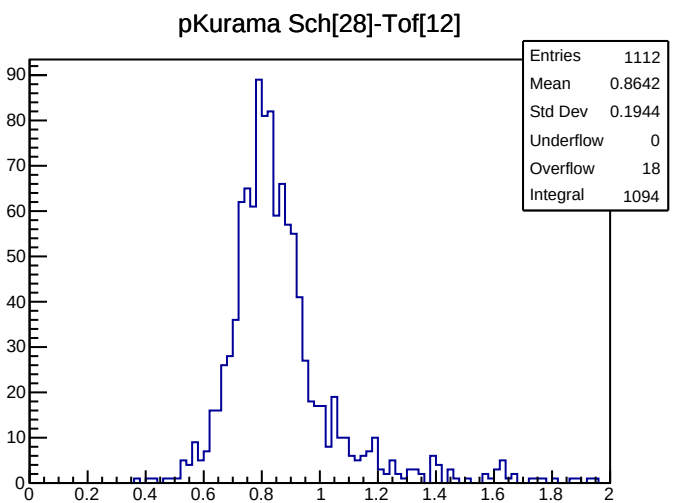

m2 Sch[28]-Tof[11]
Entries 2371
Mean 0.5103
Std Dev 0.3908
Underflow 38
Overflow 44
Integral 2289

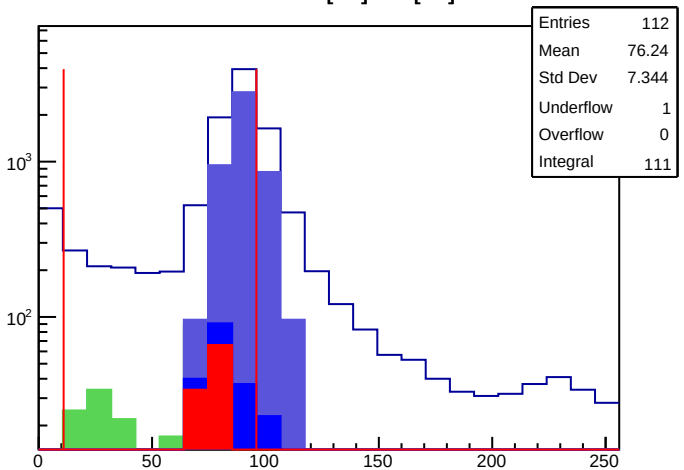

pKurama Sch[28]-Tof[11]
Entries 2371
Mean 0.8094
Std Dev 0.166
Underflow 0
Overflow 0
Integral 2371

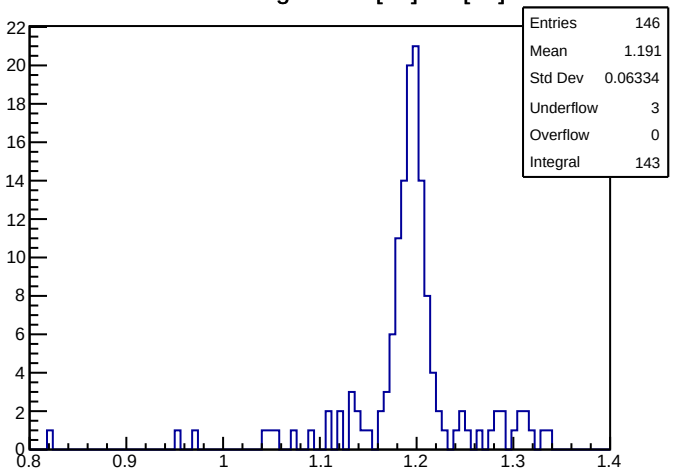

sftx all Sch[28]-Tof[12]
Entries 88
Mean 95.39
Std Dev 8.507
Underflow 1
Overflow 0
Integral 87

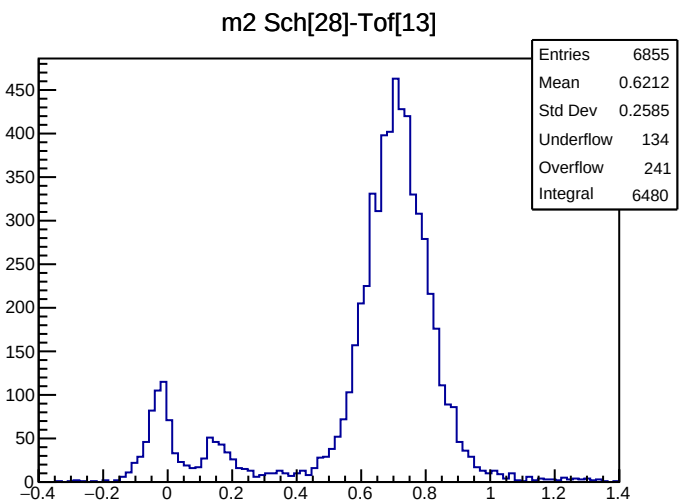

MissMass Sigma Sch[28]-Tof[12]
Entries 97
Mean 1.204
Std Dev 0.04596
Underflow 0
Overflow 0
Integral 97

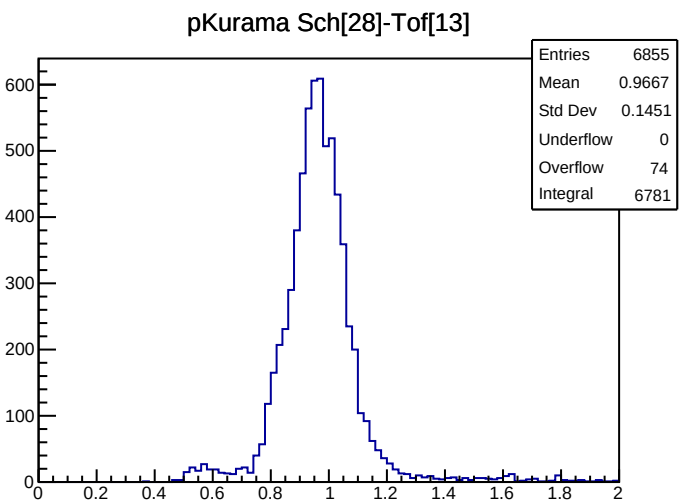

m2 Sch[28]-Tof[12]
Entries 1112
Mean 0.5458
Std Dev 0.373
Underflow 12
Overflow 68
Integral 1032

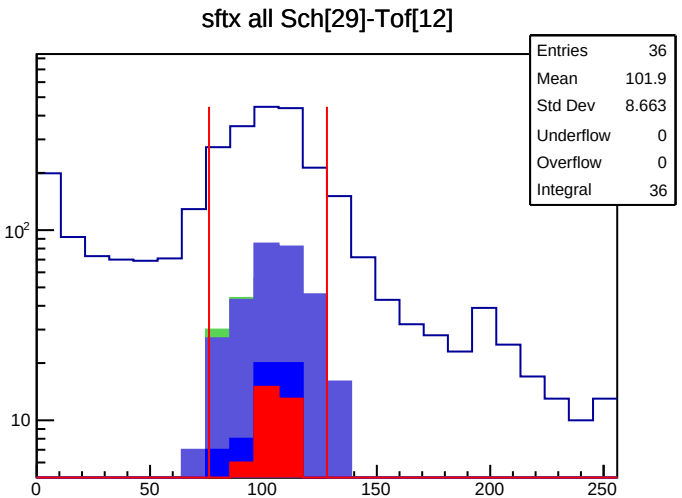

pKurama Sch[28]-Tof[12]
Entries 1112
Mean 0.8642
Std Dev 0.1944
Underflow 0
Overflow 18
Integral 1094

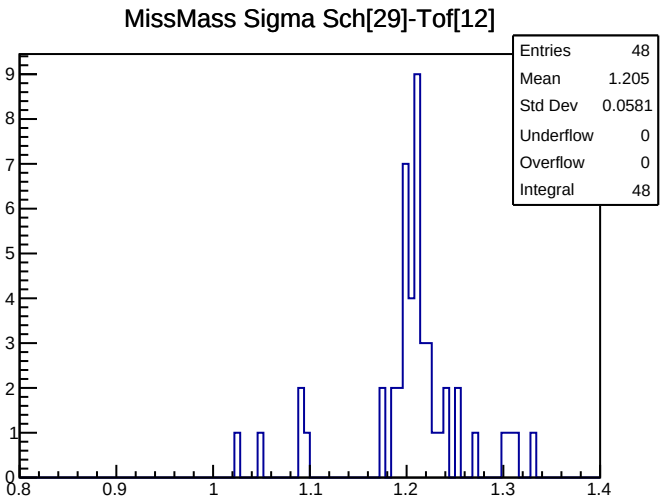

sftx all Sch[28]-Tof[13]
Entries 112
Mean 76.24
Std Dev 7.344
Underflow 1
Overflow 0
Integral 111
10^3
10^2
0 50 100 150 200 250

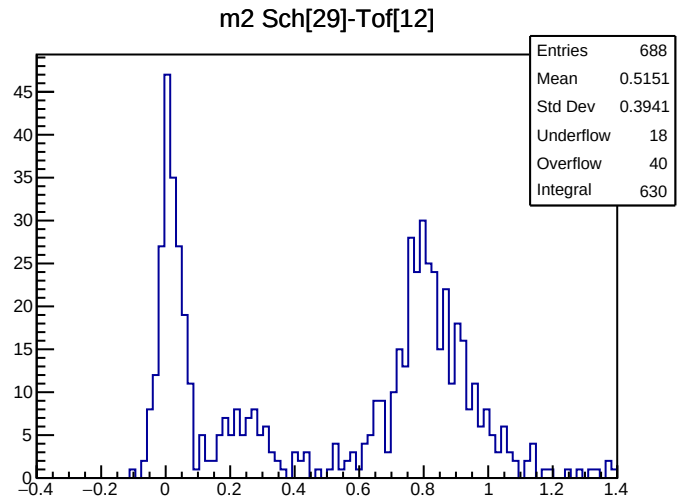

MissMass Sigma Sch[28]-Tof[13]
Entries 146
Mean 1.191
Std Dev 0.06334
Underflow 3
Overflow 0
Integral 143
0 2 4 6 8 10 12 14 16 18 20 22
0.8 0.9 1 1.1 1.2 1.3 1.4

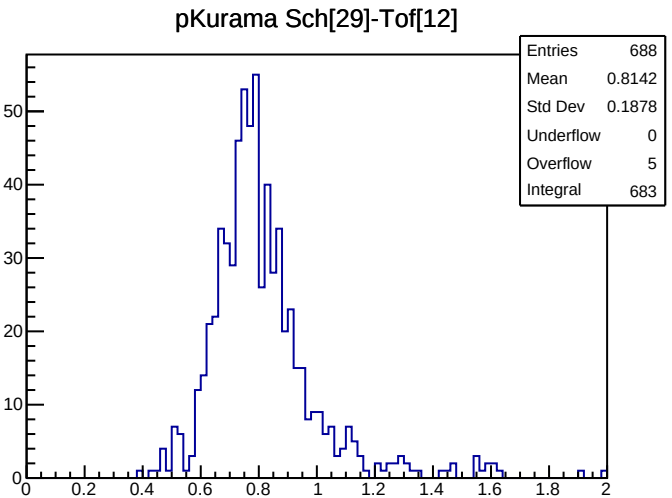

m2 Sch[28]-Tof[13]
Entries 6855
Mean 0.6212
Std Dev 0.2585
Underflow 134
Overflow 241
Integral 6480
0 50 100 150 200 250 300 350 400 450
−0.4 −0.2 0 0.2 0.4 0.6 0.8 1 1.2 1.4

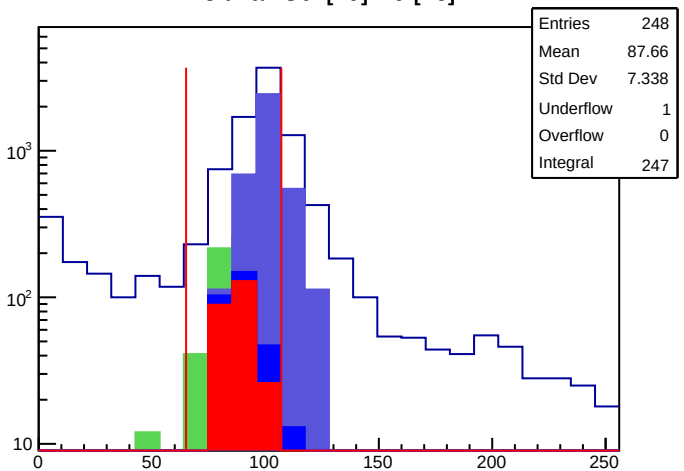

pKurama Sch[28]-Tof[13]
Entries 6855
Mean 0.9667
Std Dev 0.1451
Underflow 0
Overflow 74
Integral 6781
0 100 200 300 400 500 600
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

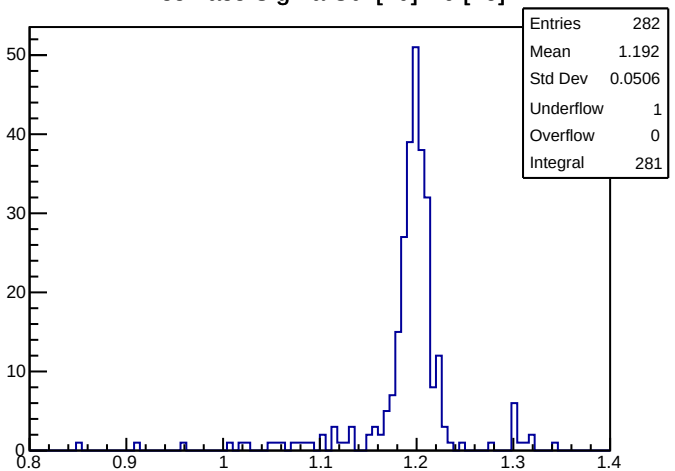

sftx all Sch[29]-Tof[12]
Entries 36
Mean 101.9
Std Dev 8.663
Underflow 0
Overflow 0
Integral 36
10^2
10
0
50
100
150
200
250

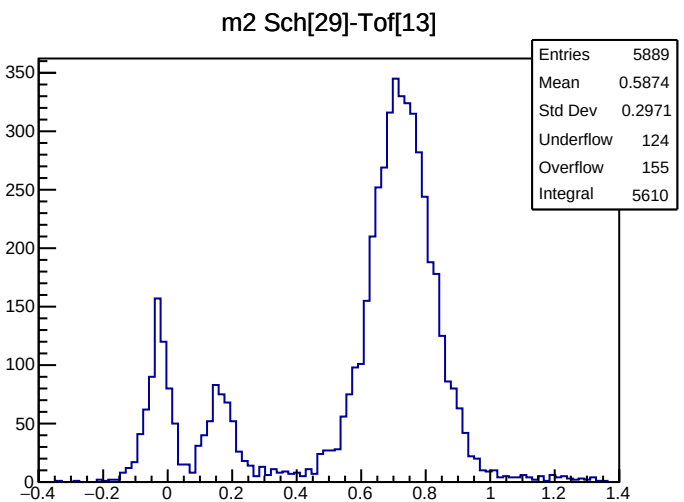

MissMass Sigma Sch[29]-Tof[12]
Entries 48
Mean 1.205
Std Dev 0.0581
Underflow 0
Overflow 0
Integral 48
0
1
2
3
4
5
6
7
8
9
0.8
0.9
1
1.1
1.2
1.3
1.4

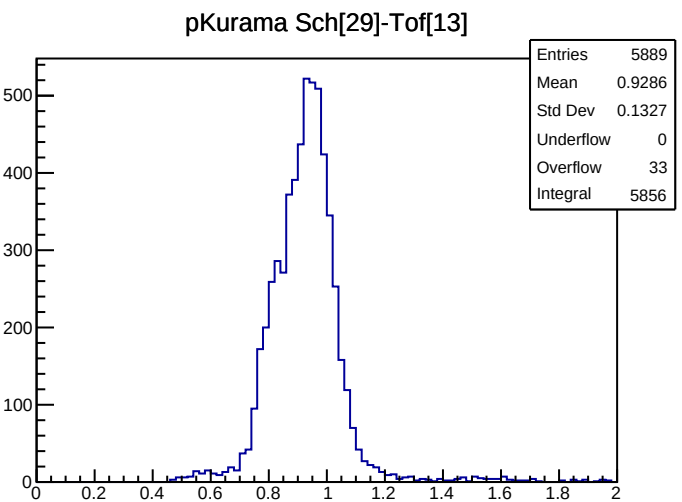

m2 Sch[29]-Tof[12]
Entries 688
Mean 0.5151
Std Dev 0.3941
Underflow 18
Overflow 40
Integral 630
0
5
10
15
20
25
30
35
40
45
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

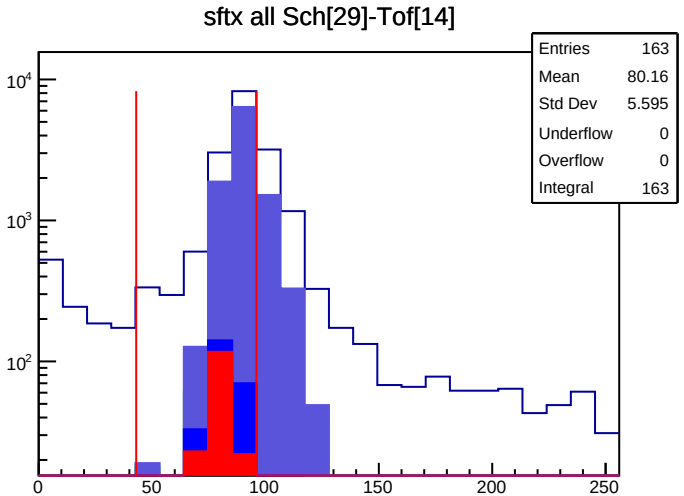

pKurama Sch[29]-Tof[12]
Entries 688
Mean 0.8142
Std Dev 0.1878
Underflow 0
Overflow 5
Integral 683
0
10
20
30
40
50
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

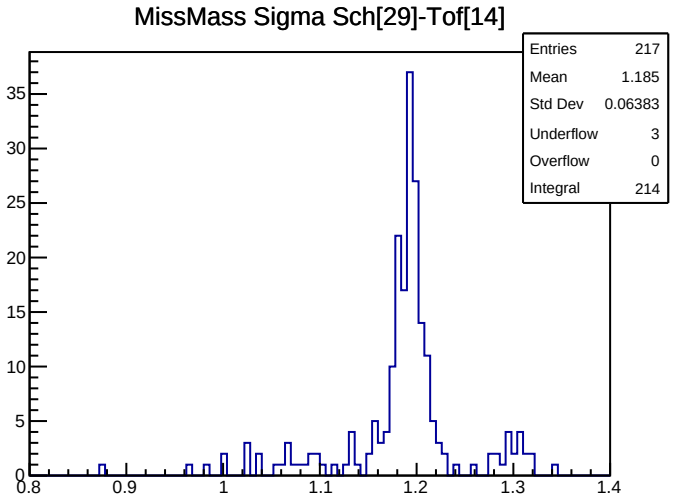

sftx all Sch[29]-Tof[13]
Entries 248
Mean 87.66
Std Dev 7.338
Underflow 1
Overflow 0
Integral 247

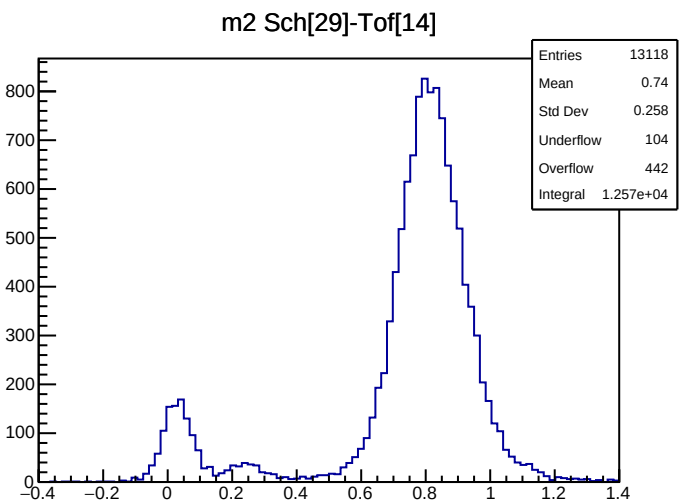

MissMass Sigma Sch[29]-Tof[13]
Entries 282
Mean 1.192
Std Dev 0.0506
Underflow 1
Overflow 0
Integral 281

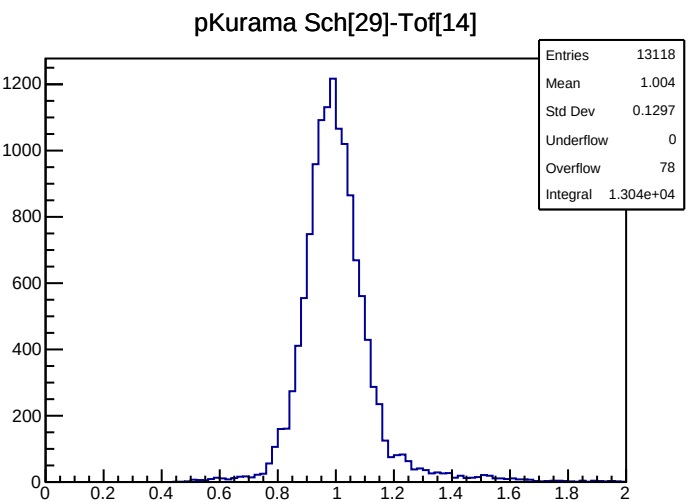

m2 Sch[29]-Tof[13]
Entries 5889
Mean 0.5874
Std Dev 0.2971
Underflow 124
Overflow 155
Integral 5610

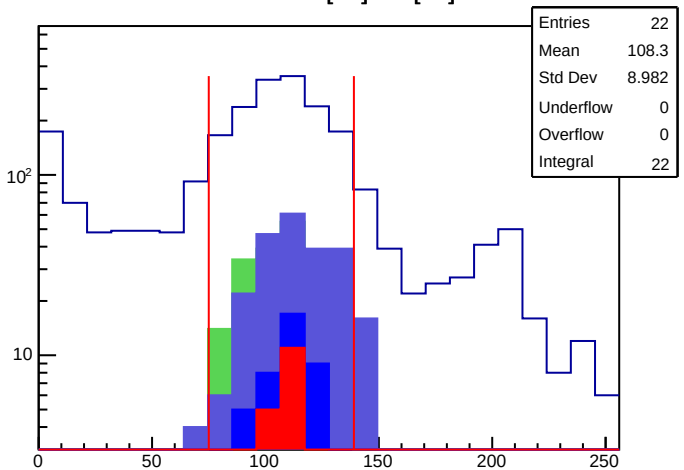

pKurama Sch[29]-Tof[13]
Entries 5889
Mean 0.9286
Std Dev 0.1327
Underflow 0
Overflow 33
Integral 5856

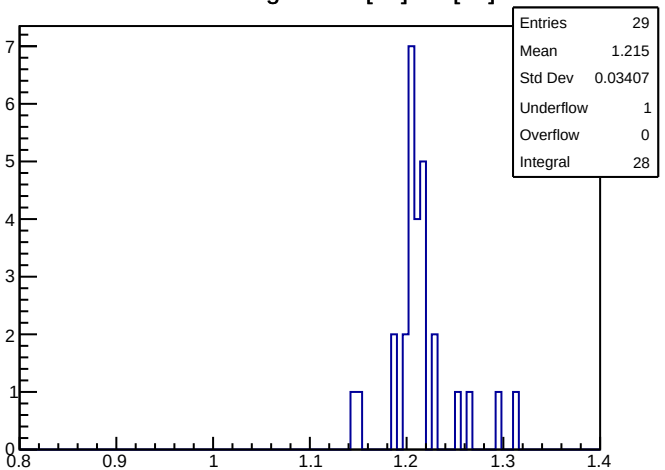

sftx all Sch[29]-Tof[14]
Entries 163
Mean 80.16
Std Dev 5.595
Underflow 0
Overflow 0
Integral 163

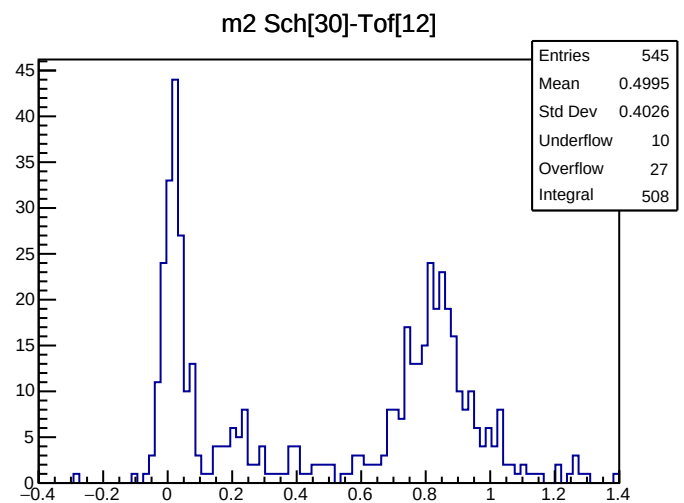

MissMass Sigma Sch[29]-Tof[14]
Entries 217
Mean 1.185
Std Dev 0.06383
Underflow 3
Overflow 0
Integral 214

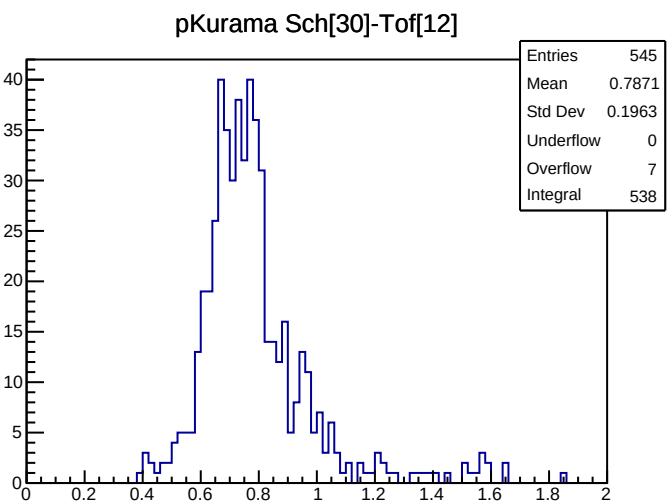

m2 Sch[29]-Tof[14]
Entries 13118
Mean 0.74
Std Dev 0.258
Underflow 104
Overflow 442
Integral 1.257e+04

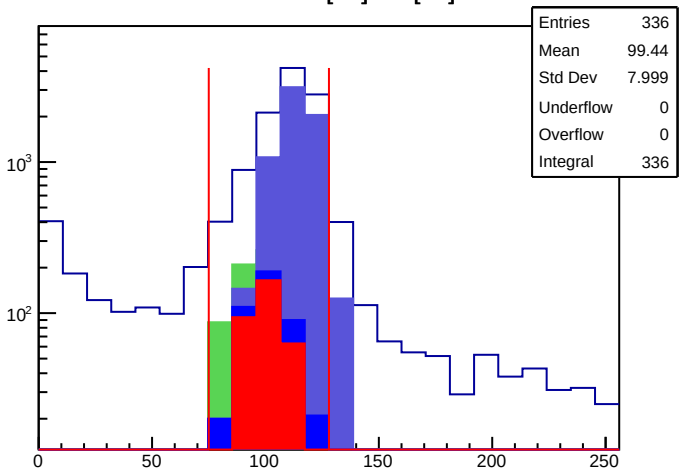

pKurama Sch[29]-Tof[14]
Entries 13118
Mean 1.004
Std Dev 0.1297
Underflow 0
Overflow 78
Integral 1.304e+04

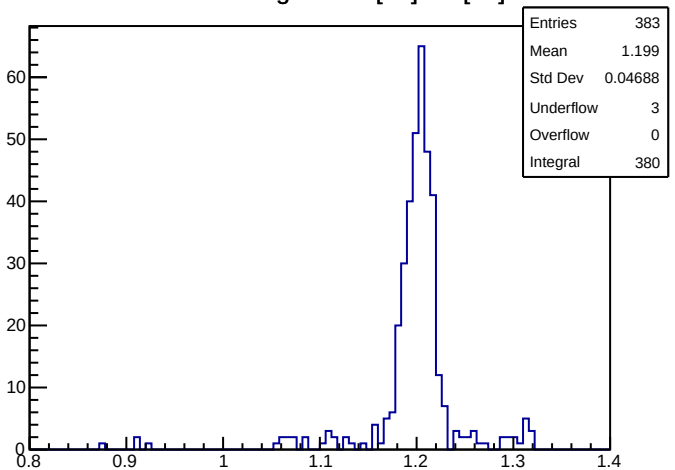

sftx all Sch[30]-Tof[12]
Entries 22
Mean 108.3
Std Dev 8.982
Underflow 0
Overflow 0
Integral 22
10^2
10
0
50
100
150
200
250

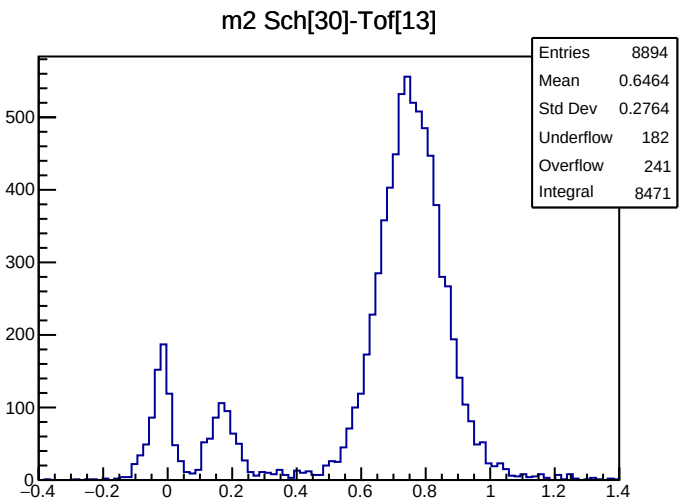

MissMass Sigma Sch[30]-Tof[12]
Entries 29
Mean 1.215
Std Dev 0.03407
Underflow 1
Overflow 0
Integral 28
0
1
2
3
4
5
6
7
0.8
0.9
1
1.1
1.2
1.3
1.4

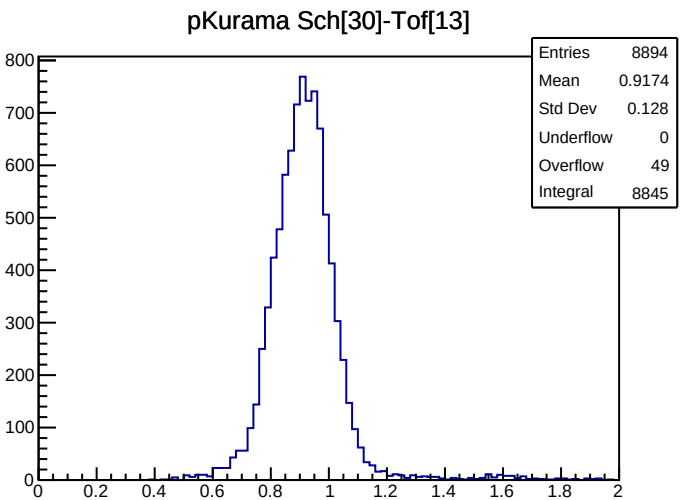

m2 Sch[30]-Tof[12]
Entries 545
Mean 0.4995
Std Dev 0.4026
Underflow 10
Overflow 27
Integral 508
0
5
10
15
20
25
30
35
40
45
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

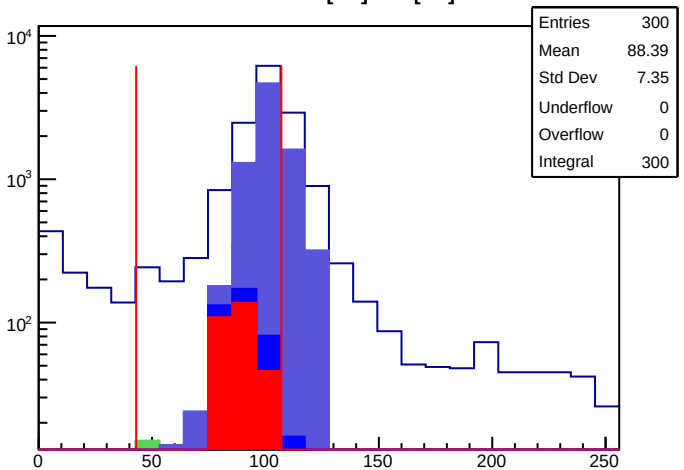

pKurama Sch[30]-Tof[12]
Entries 545
Mean 0.7871
Std Dev 0.1963
Underflow 0
Overflow 7
Integral 538
0
5
10
15
20
25
30
35
40
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

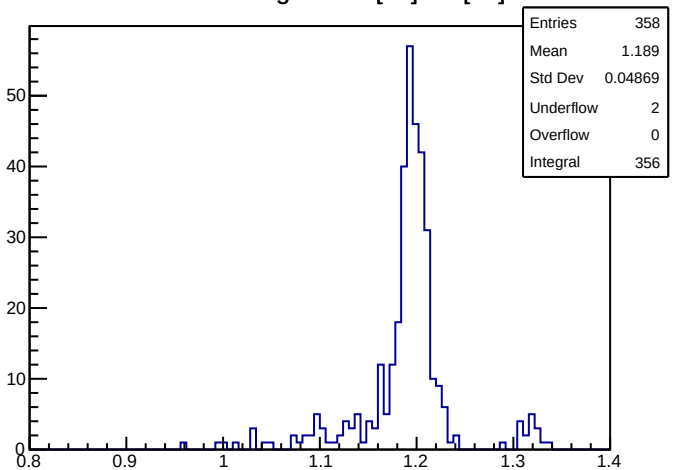

sftx all Sch[30]-Tof[13]
Entries 336
Mean 99.44
Std Dev 7.999
Underflow 0
Overflow 0
Integral 336

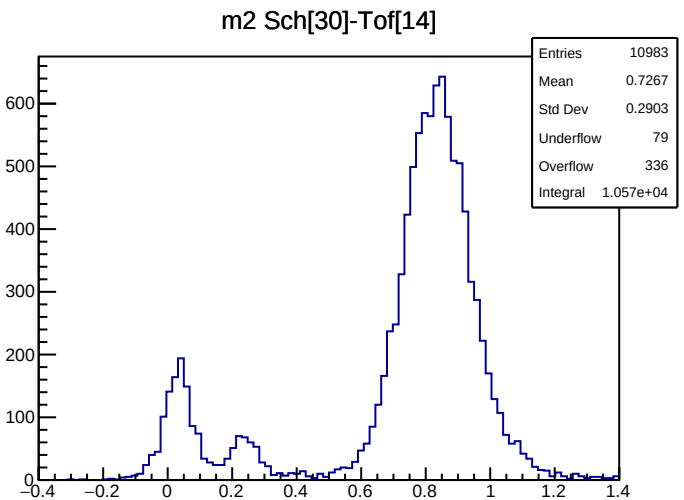

MissMass Sigma Sch[30]-Tof[13]
Entries 383
Mean 1.199
Std Dev 0.04688
Underflow 3
Overflow 0
Integral 380

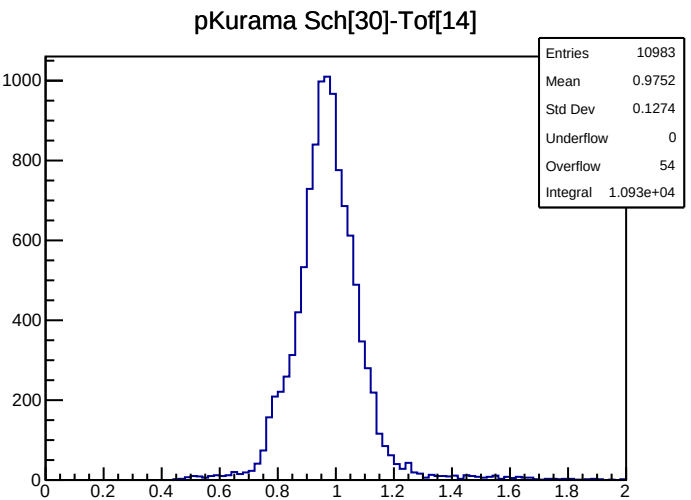

m2 Sch[30]-Tof[13]
Entries 8894
Mean 0.6464
Std Dev 0.2764
Underflow 182
Overflow 241
Integral 8471

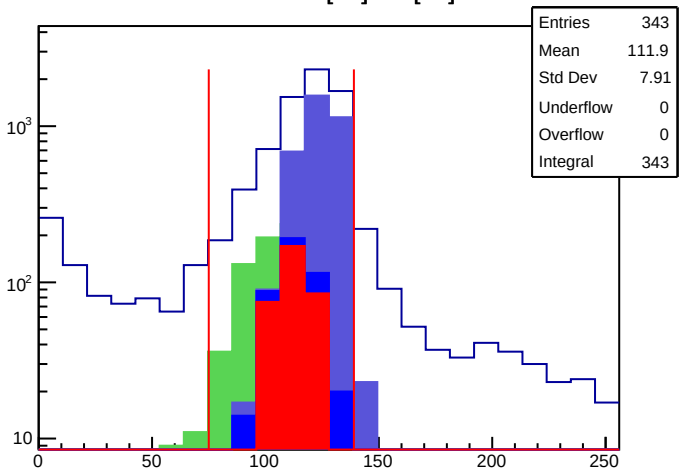

pKurama Sch[30]-Tof[13]
Entries 8894
Mean 0.9174
Std Dev 0.128
Underflow 0
Overflow 49
Integral 8845

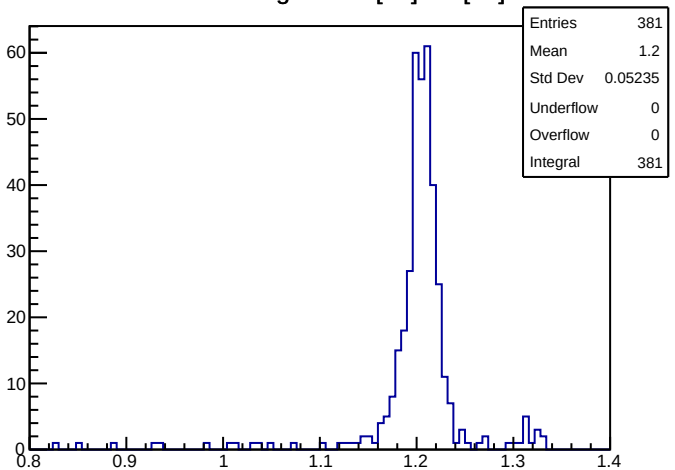

sftx all Sch[30]-Tof[14]
Entries 300
Mean 88.39
Std Dev 7.35
Underflow 0
Overflow 0
Integral 300

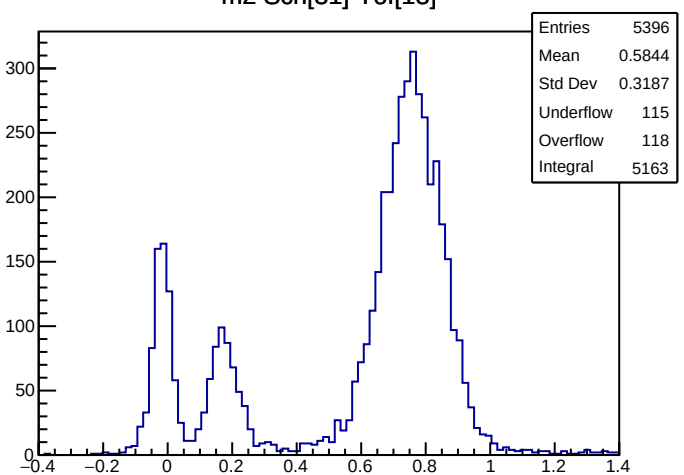

MissMass Sigma Sch[30]-Tof[14]
Entries 358
Mean 1.189
Std Dev 0.04869
Underflow 2
Overflow 0
Integral 356

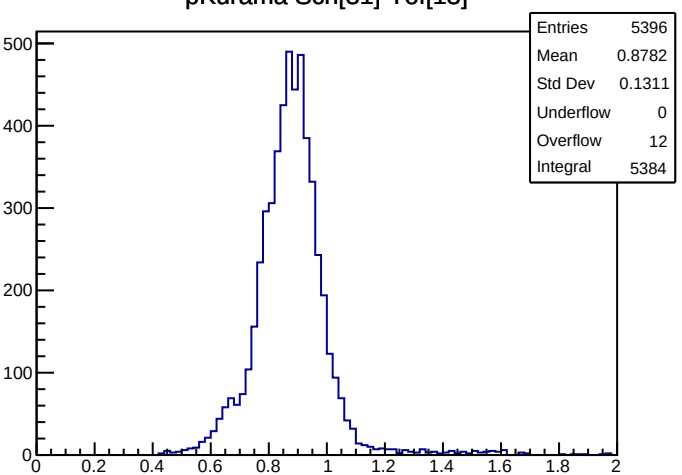

m2 Sch[30]-Tof[14]
Entries 10983
Mean 0.7267
Std Dev 0.2903
Underflow 79
Overflow 336
Integral 1.057e+04

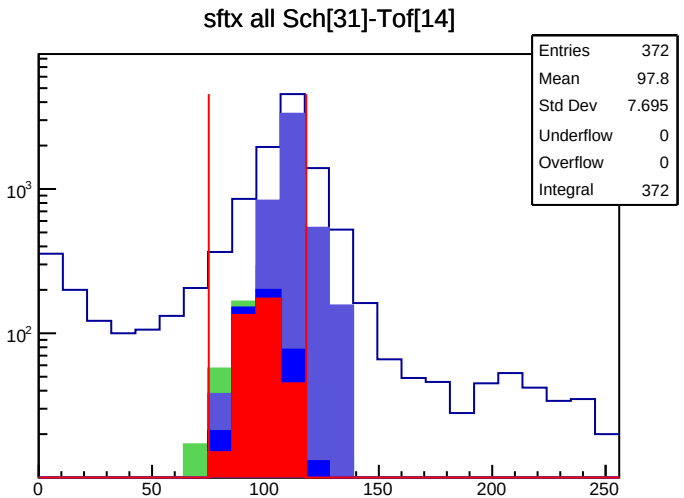

pKurama Sch[30]-Tof[14]
Entries 10983
Mean 0.9752
Std Dev 0.1274
Underflow 0
Overflow 54
Integral 1.093e+04

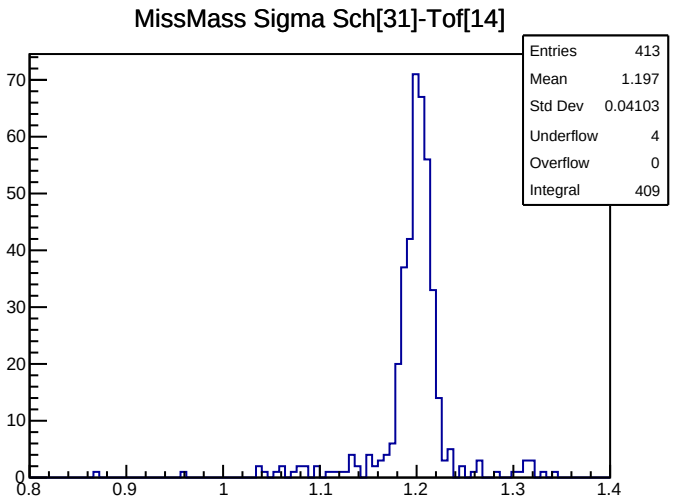

sftx all Sch[31]-Tof[13]
Entries 343
Mean 111.9
Std Dev 7.91
Underflow 0
Overflow 0
Integral 343

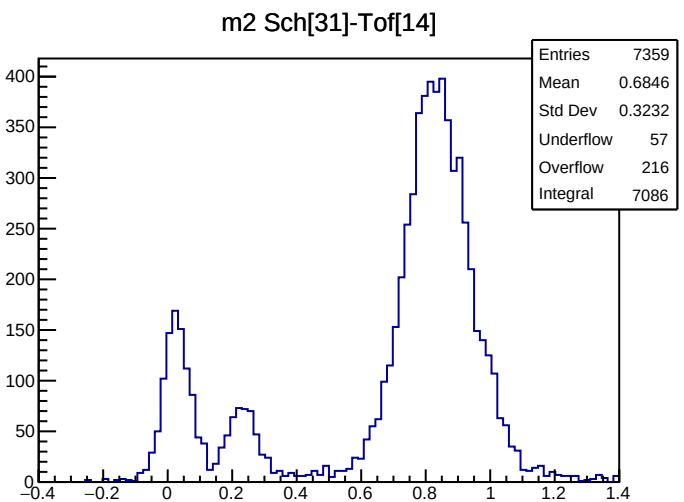

MissMass Sigma Sch[31]-Tof[13]
Entries 381
Mean 1.2
Std Dev 0.05235
Underflow 0
Overflow 0
Integral 381

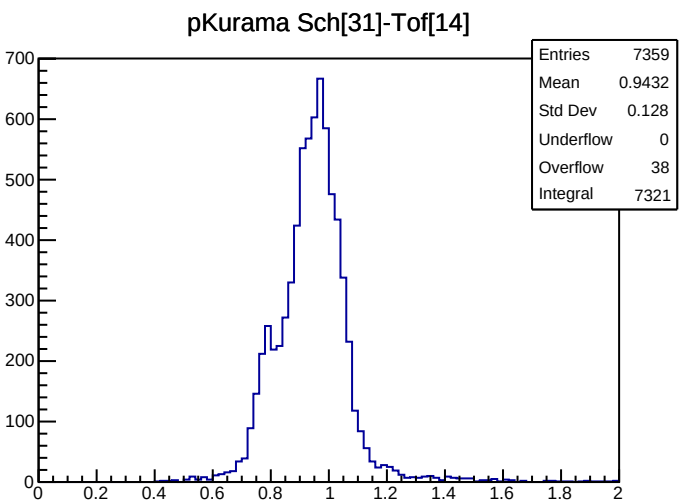

m2 Sch[31]-Tof[13]
Entries 5396
Mean 0.5844
Std Dev 0.3187
Underflow 115
Overflow 118
Integral 5163

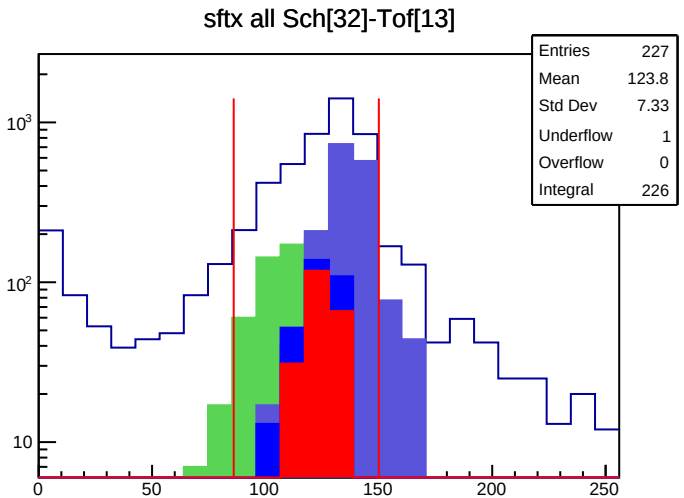

pKurama Sch[31]-Tof[13]
Entries 5396
Mean 0.8782
Std Dev 0.1311
Underflow 0
Overflow 12
Integral 5384

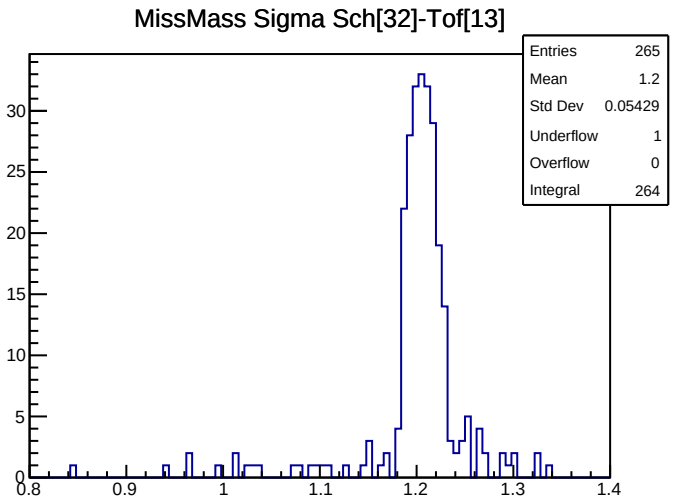

sftx all Sch[31]-Tof[14]
Entries 372
Mean 97.8
Std Dev 7.695
Underflow 0
Overflow 0
Integral 372

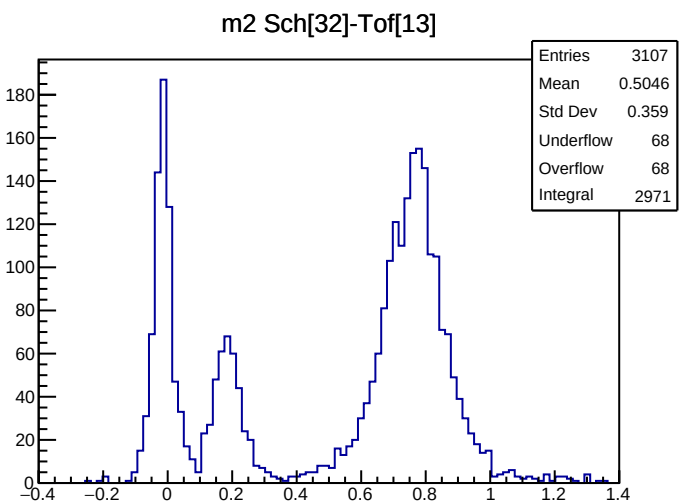

MissMass Sigma Sch[31]-Tof[14]
Entries 413
Mean 1.197
Std Dev 0.04103
Underflow 4
Overflow 0
Integral 409

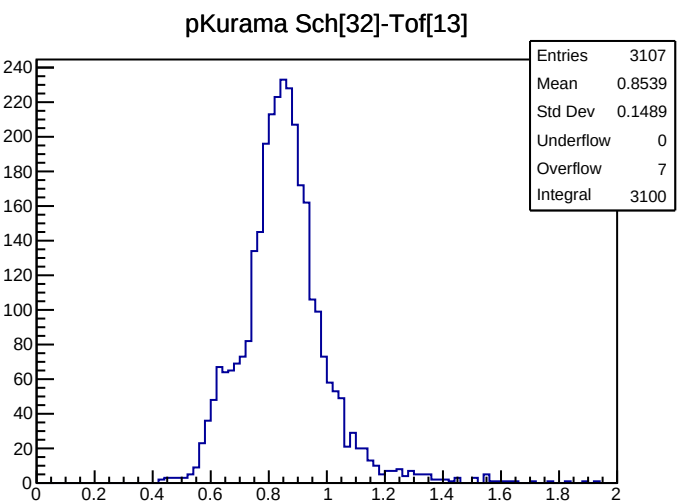

m2 Sch[31]-Tof[14]
Entries 7359
Mean 0.6846
Std Dev 0.3232
Underflow 57
Overflow 216
Integral 7086

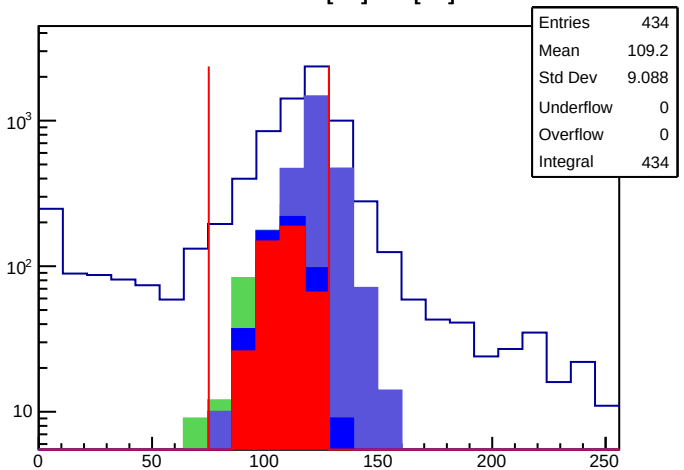

pKurama Sch[31]-Tof[14]
Entries 7359
Mean 0.9432
Std Dev 0.128
Underflow 0
Overflow 38
Integral 7321

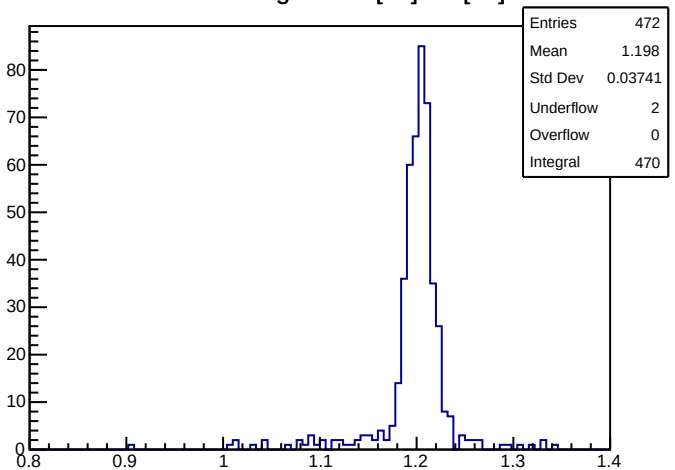

sftx all Sch[32]-Tof[13]
Entries 227
Mean 123.8
Std Dev 7.33
Underflow 1
Overflow 0
Integral 226

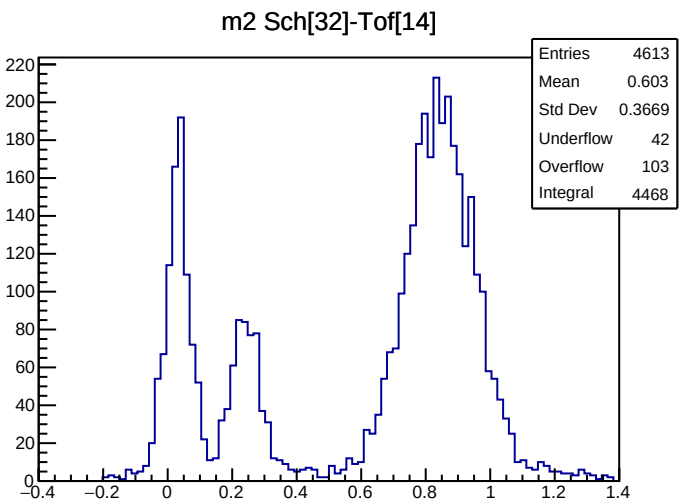

MissMass Sigma Sch[32]-Tof[13]
Entries 265
Mean 1.2
Std Dev 0.05429
Underflow 1
Overflow 0
Integral 264

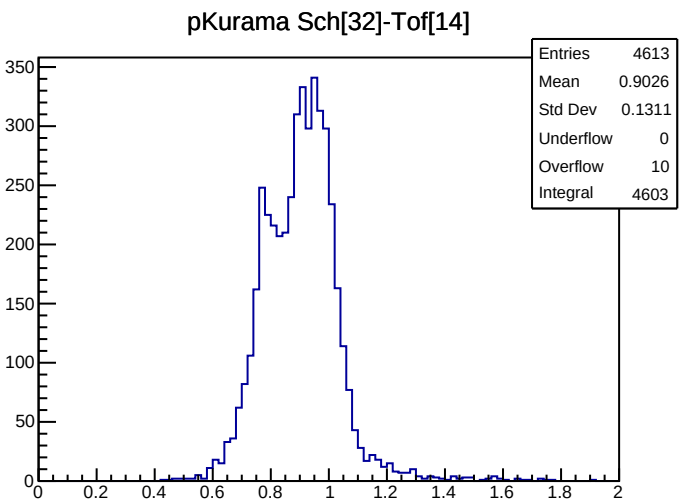

m2 Sch[32]-Tof[13]
Entries 3107
Mean 0.5046
Std Dev 0.359
Underflow 68
Overflow 68
Integral 2971

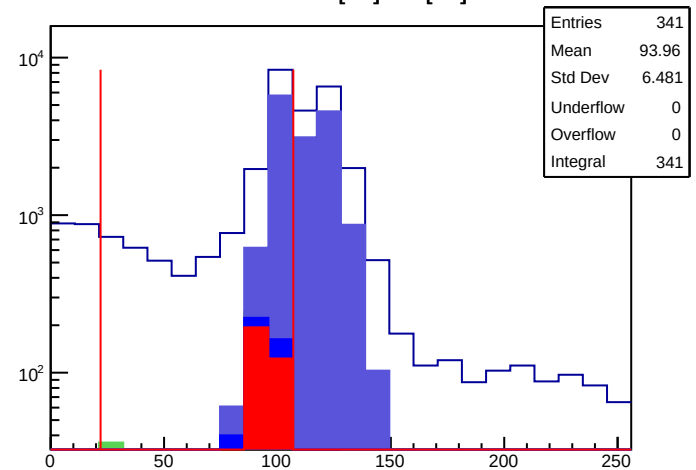

pKurama Sch[32]-Tof[13]
Entries 3107
Mean 0.8539
Std Dev 0.1489
Underflow 0
Overflow 7
Integral 3100

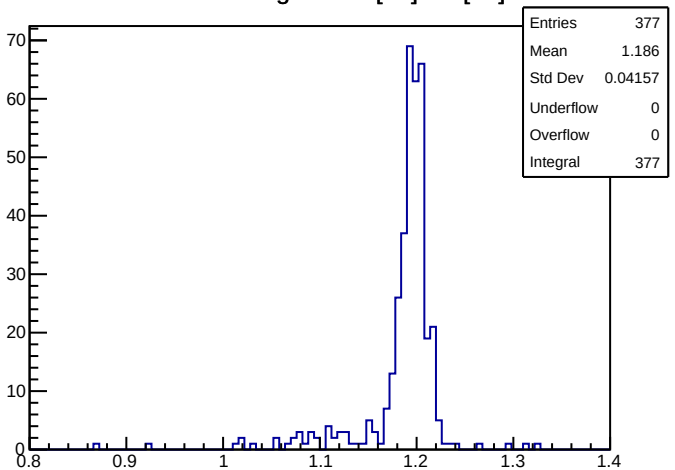

sftx all Sch[32]-Tof[14]
Entries 434
Mean 109.2
Std Dev 9.088
Underflow 0
Overflow 0
Integral 434

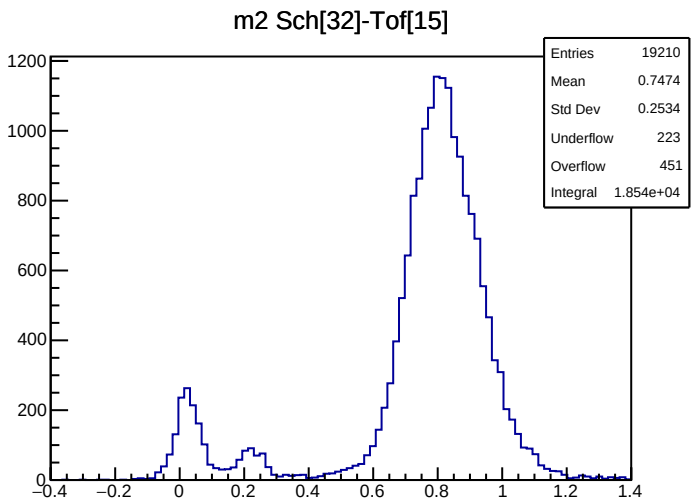

MissMass Sigma Sch[32]-Tof[14]
Entries 472
Mean 1.198
Std Dev 0.03741
Underflow 2
Overflow 0
Integral 470

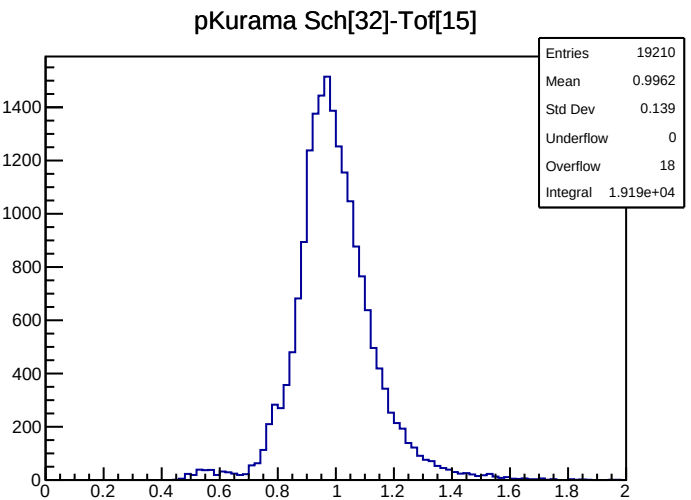

m2 Sch[32]-Tof[14]
Entries 4613
Mean 0.603
Std Dev 0.3669
Underflow 42
Overflow 103
Integral 4468

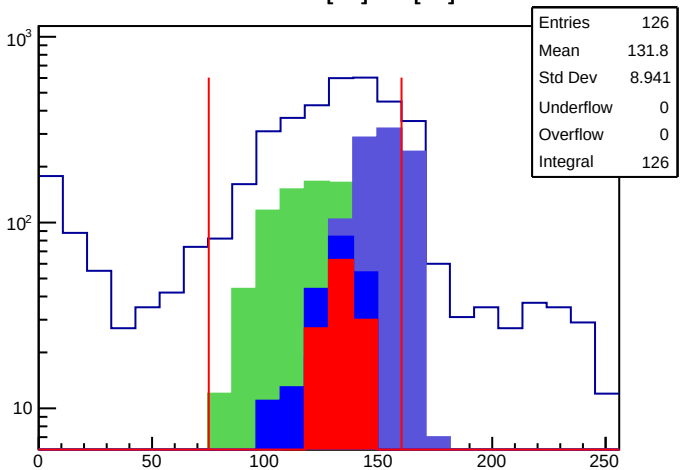

pKurama Sch[32]-Tof[14]
Entries 4613
Mean 0.9026
Std Dev 0.1311
Underflow 0
Overflow 10
Integral 4603

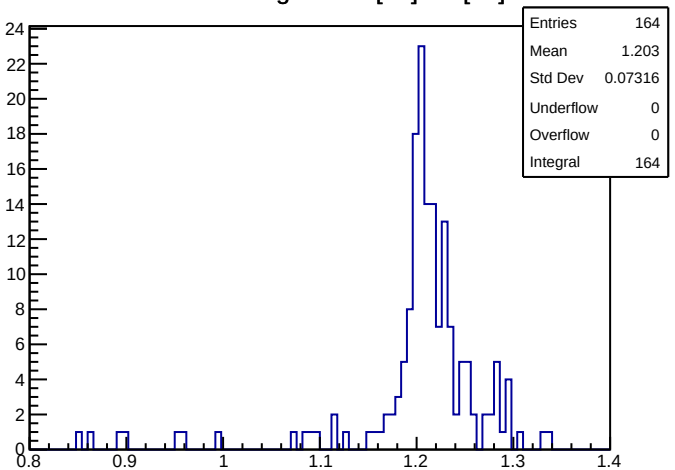

sftx all Sch[32]-Tof[15]
Entries 341
Mean 93.96
Std Dev 6.481
Underflow 0
Overflow 0
Integral 341

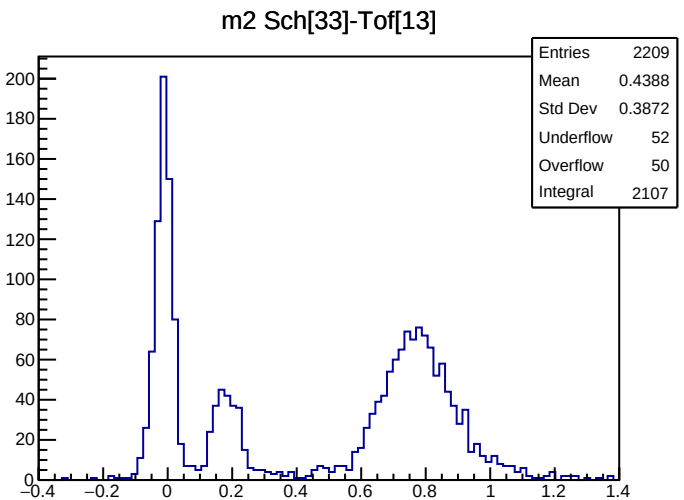

MissMass Sigma Sch[32]-Tof[15]
Entries 377
Mean 1.186
Std Dev 0.04157
Underflow 0
Overflow 0
Integral 377

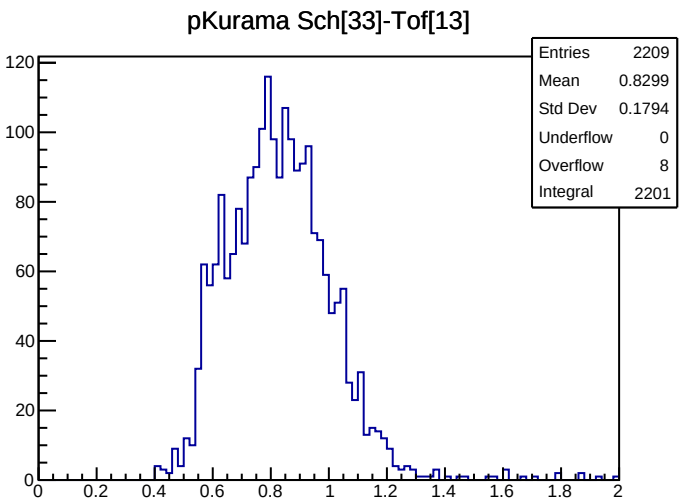

m2 Sch[32]-Tof[15]
Entries 19210
Mean 0.7474
Std Dev 0.2534
Underflow 223
Overflow 451
Integral 1.854e+04

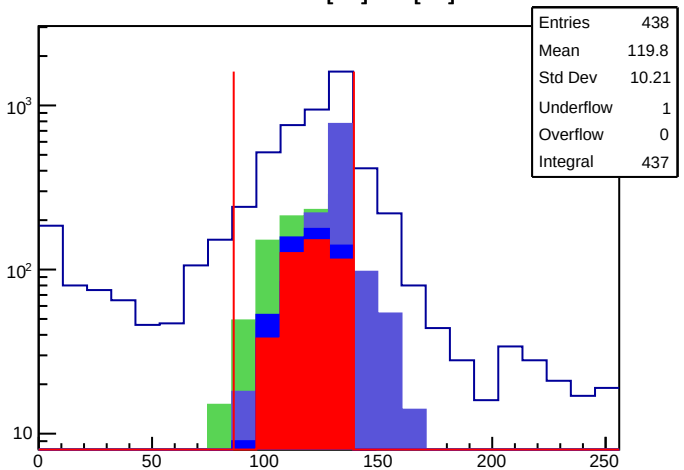

pKurama Sch[32]-Tof[15]
Entries 19210
Mean 0.9962
Std Dev 0.139
Underflow 0
Overflow 18
Integral 1.919e+04

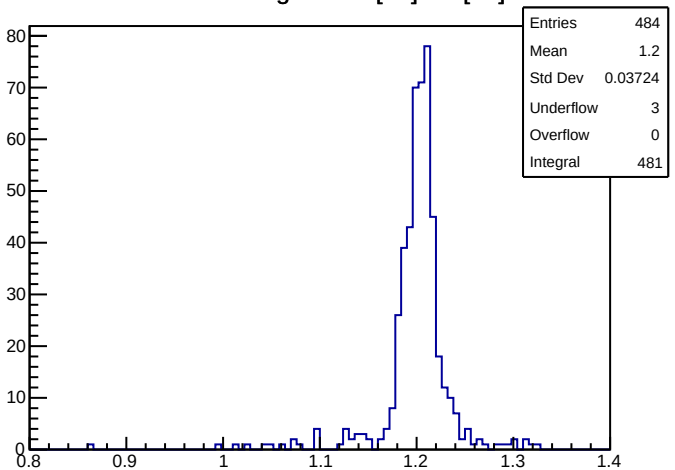

sftx all Sch[33]-Tof[13]
Entries 126
Mean 131.8
Std Dev 8.941
Underflow 0
Overflow 0
Integral 126

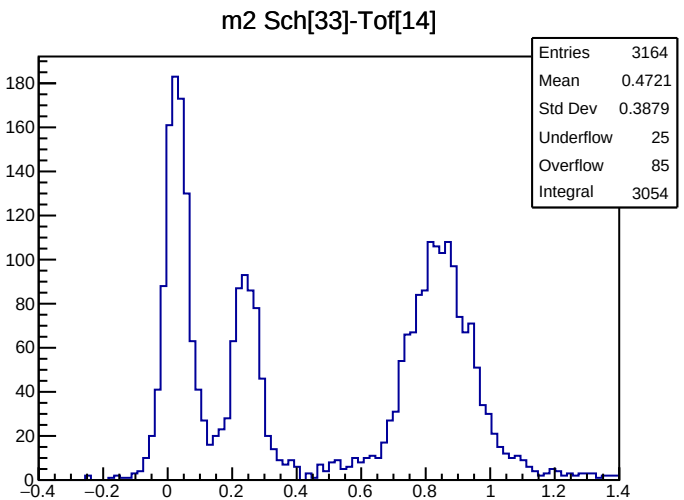

MissMass Sigma Sch[33]-Tof[13]
Entries 164
Mean 1.203
Std Dev 0.07316
Underflow 0
Overflow 0
Integral 164

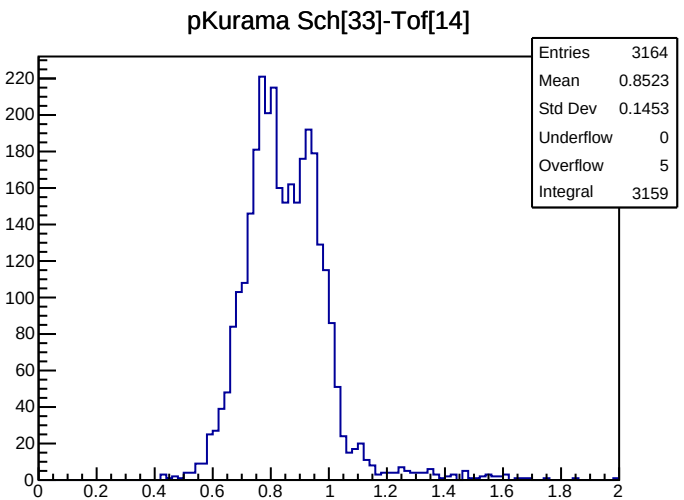

m2 Sch[33]-Tof[13]
Entries 2209
Mean 0.4388
Std Dev 0.3872
Underflow 52
Overflow 50
Integral 2107

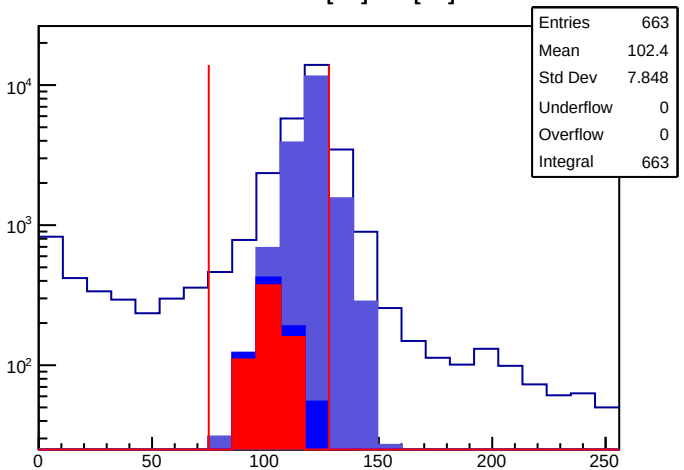

pKurama Sch[33]-Tof[13]
Entries 2209
Mean 0.8299
Std Dev 0.1794
Underflow 0
Overflow 8
Integral 2201

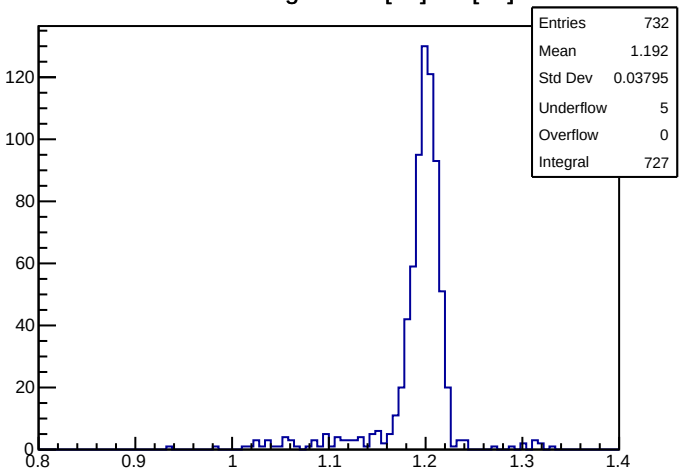

sftx all Sch[33]-Tof[14]
Entries 438
Mean 119.8
Std Dev 10.21
Underflow 1
Overflow 0
Integral 437

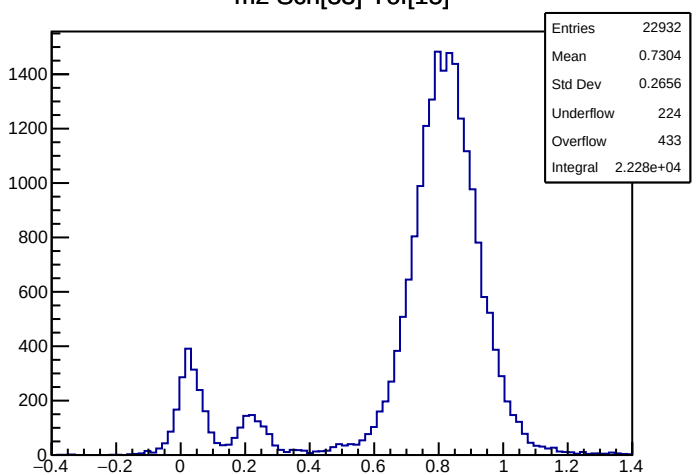

MissMass Sigma Sch[33]-Tof[14]
Entries 484
Mean 1.2
Std Dev 0.03724
Underflow 3
Overflow 0
Integral 481

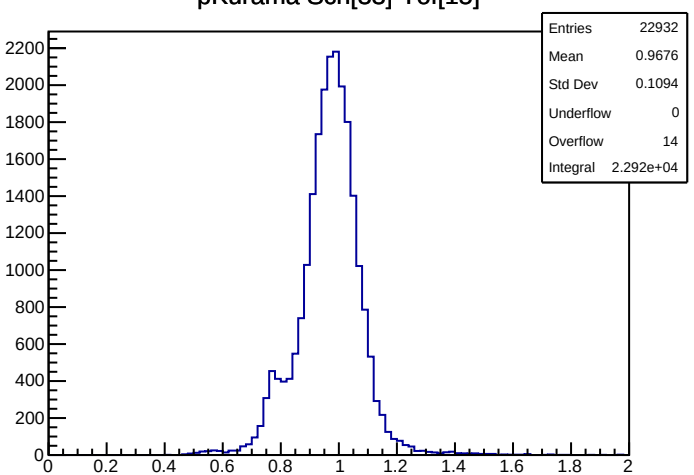

m2 Sch[33]-Tof[14]
Entries 3164
Mean 0.4721
Std Dev 0.3879
Underflow 25
Overflow 85
Integral 3054

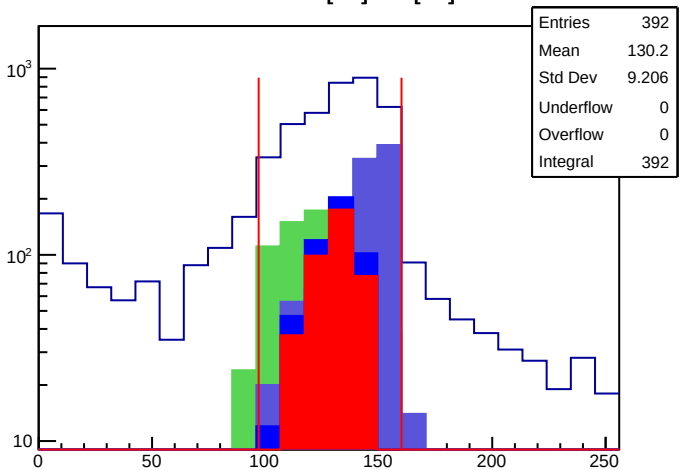

pKurama Sch[33]-Tof[14]
Entries 3164
Mean 0.8523
Std Dev 0.1453
Underflow 0
Overflow 5
Integral 3159

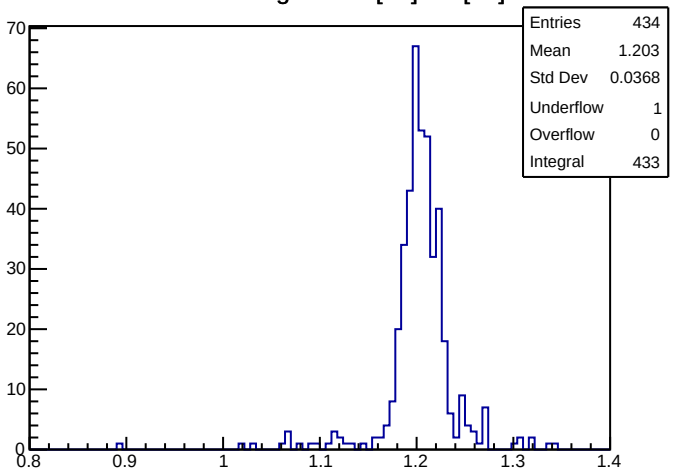

sftx all Sch[33]-Tof[15]
Entries 663
Mean 102.4
Std Dev 7.848
Underflow 0
Overflow 0
Integral 663

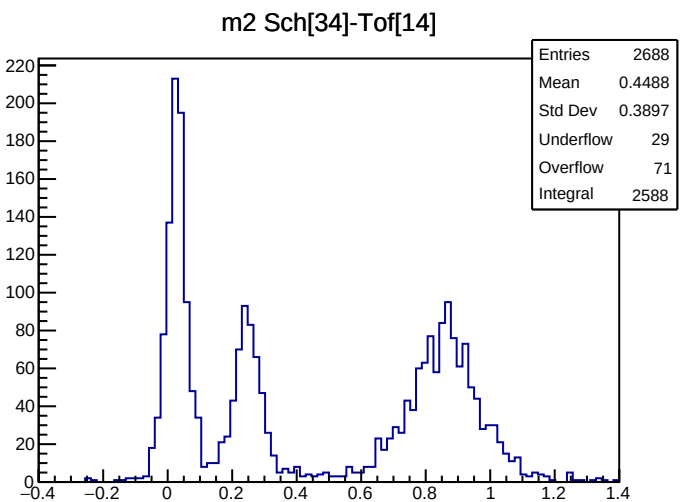

MissMass Sigma Sch[33]-Tof[15]
Entries 732
Mean 1.192
Std Dev 0.03795
Underflow 5
Overflow 0
Integral 727

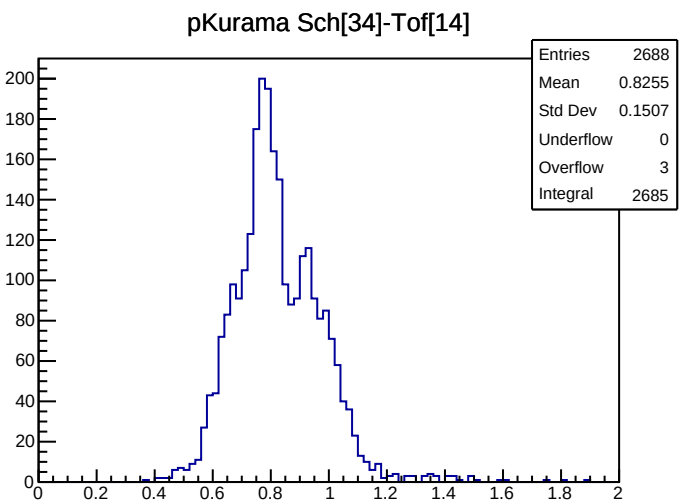

m2 Sch[33]-Tof[15]
Entries 22932
Mean 0.7304
Std Dev 0.2656
Underflow 224
Overflow 433
Integral 2.228e+04

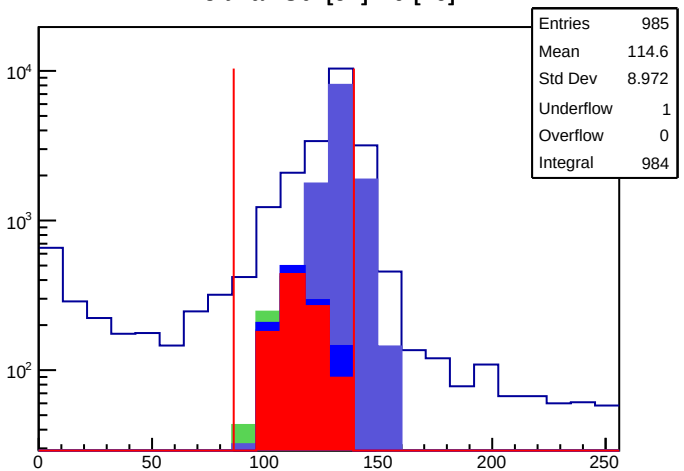

pKurama Sch[33]-Tof[15]
Entries 22932
Mean 0.9676
Std Dev 0.1094
Underflow 0
Overflow 14
Integral 2.292e+04

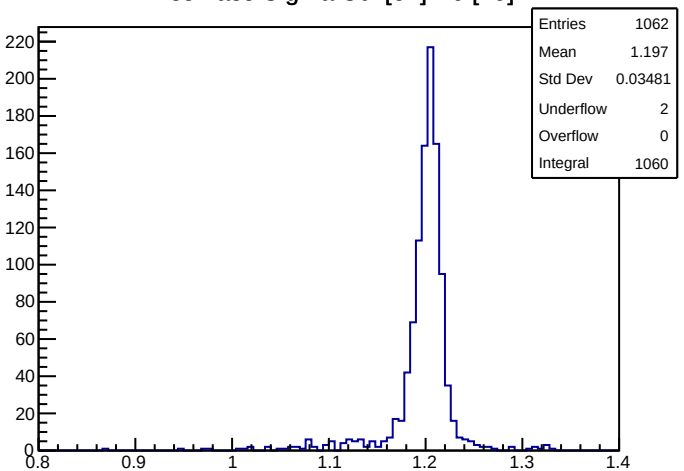

sftx all Sch[34]-Tof[14]
Entries 392
Mean 130.2
Std Dev 9.206
Underflow 0
Overflow 0
Integral 392

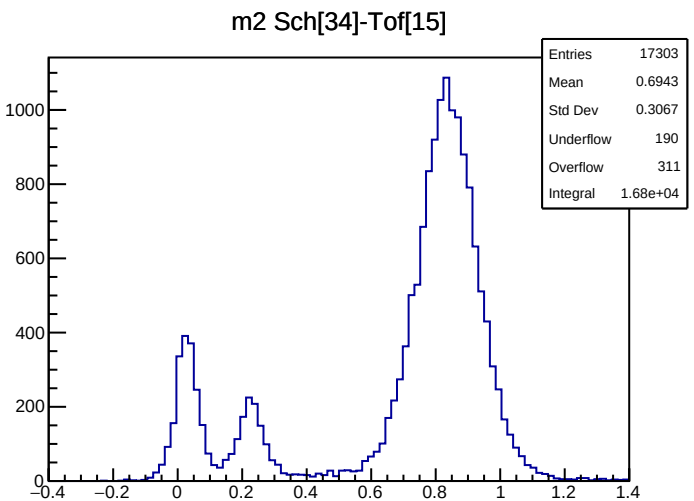

MissMass Sigma Sch[34]-Tof[14]
Entries 434
Mean 1.203
Std Dev 0.0368
Underflow 1
Overflow 0
Integral 433

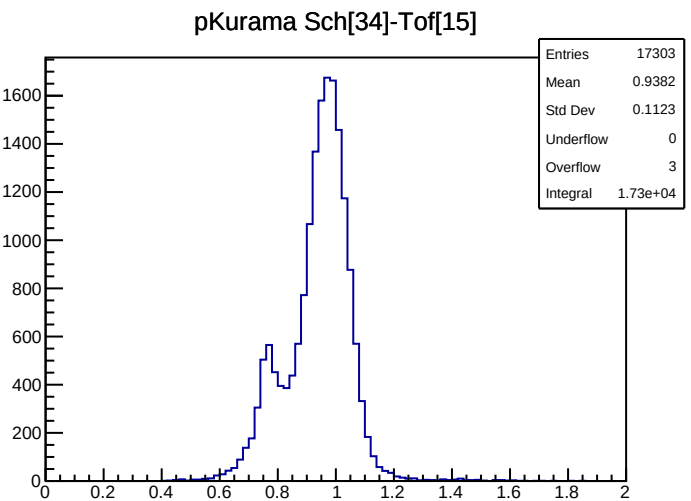

m2 Sch[34]-Tof[14]
Entries 2688
Mean 0.4488
Std Dev 0.3897
Underflow 29
Overflow 71
Integral 2588

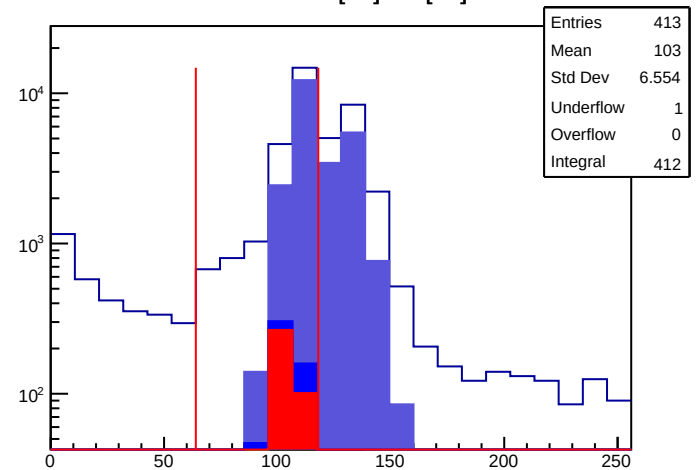

pKurama Sch[34]-Tof[14]
Entries 2688
Mean 0.8255
Std Dev 0.1507
Underflow 0
Overflow 3
Integral 2685

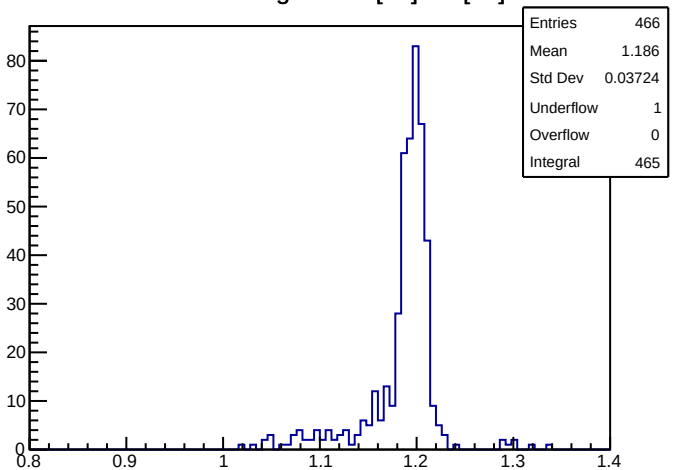

sftx all Sch[34]-Tof[15]
Entries 985
Mean 114.6
Std Dev 8.972
Underflow 1
Overflow 0
Integral 984

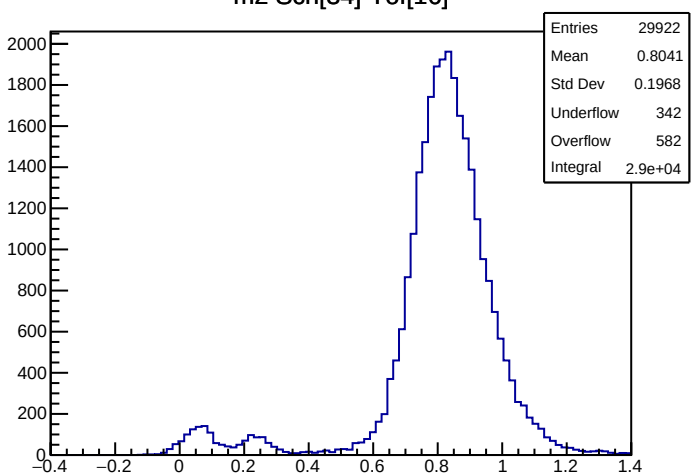

MissMass Sigma Sch[34]-Tof[15]
Entries 1062
Mean 1.197
Std Dev 0.03481
Underflow 2
Overflow 0
Integral 1060

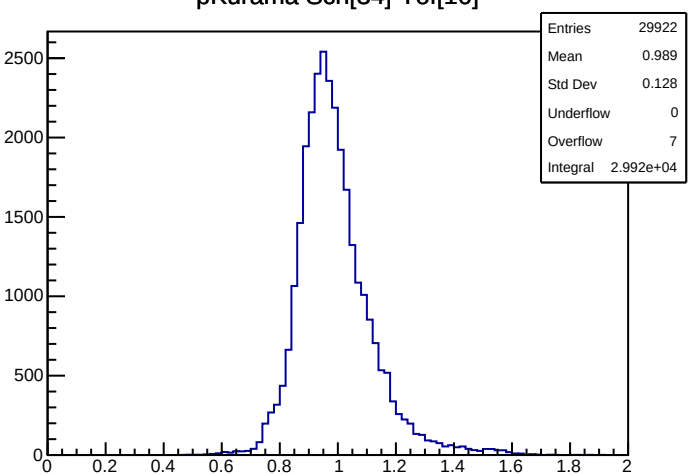

m2 Sch[34]-Tof[15]
Entries 17303
Mean 0.6943
Std Dev 0.3067
Underflow 190
Overflow 311
Integral 1.68e+04

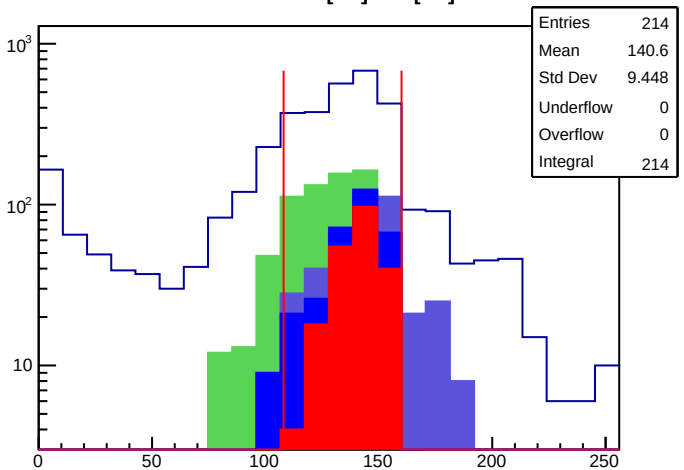

pKurama Sch[34]-Tof[15]
Entries 17303
Mean 0.9382
Std Dev 0.1123
Underflow 0
Overflow 3
Integral 1.73e+04

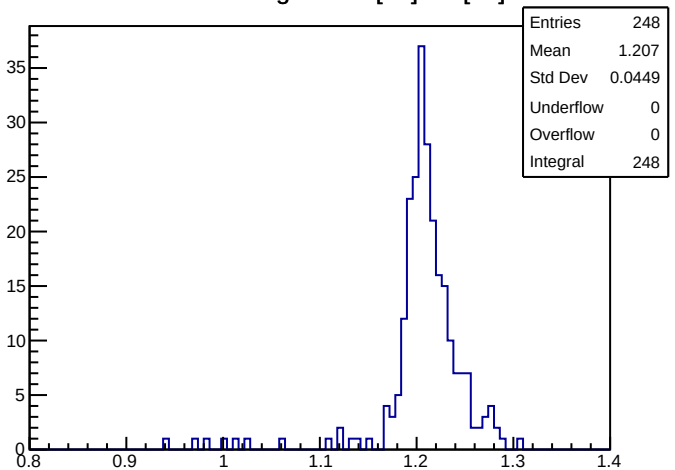

sftx all Sch[34]-Tof[16]
Entries 413
Mean 103
Std Dev 6.554
Underflow 1
Overflow 0
Integral 412

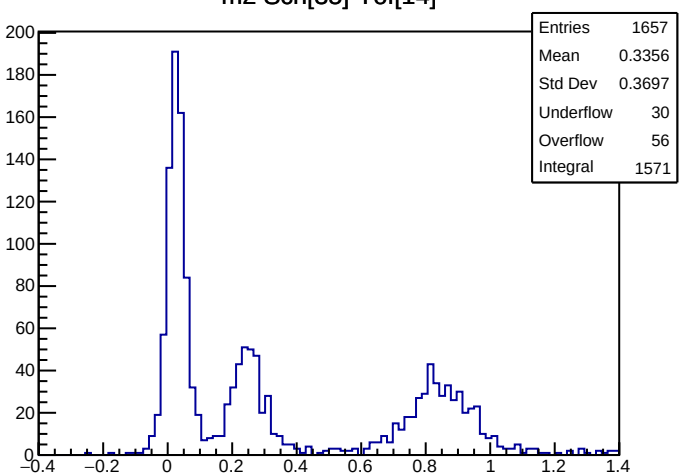

MissMass Sigma Sch[34]-Tof[16]
Entries 466
Mean 1.186
Std Dev 0.03724
Underflow 1
Overflow 0
Integral 465

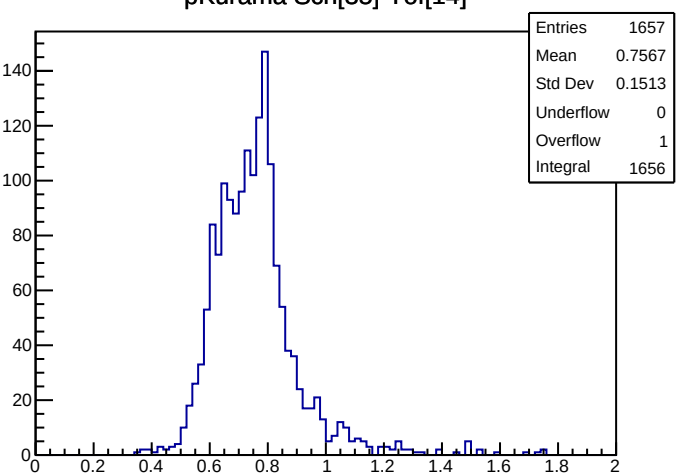

m2 Sch[34]-Tof[16]
Entries 29922
Mean 0.8041
Std Dev 0.1968
Underflow 342
Overflow 582
Integral 2.9e+04

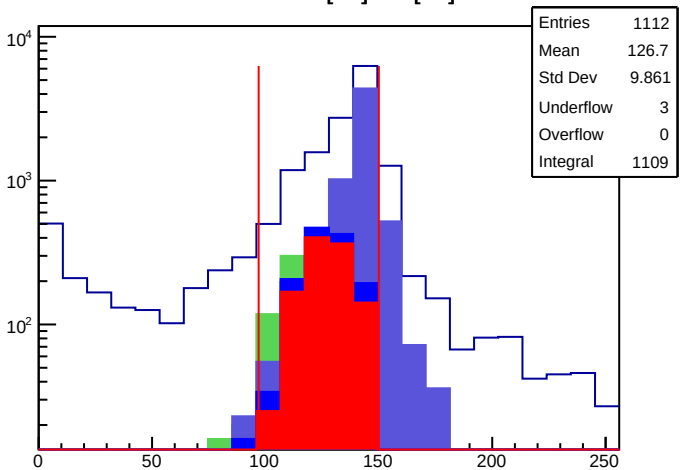

pKurama Sch[34]-Tof[16]
Entries 29922
Mean 0.989
Std Dev 0.128
Underflow 0
Overflow 7
Integral 2.992e+04

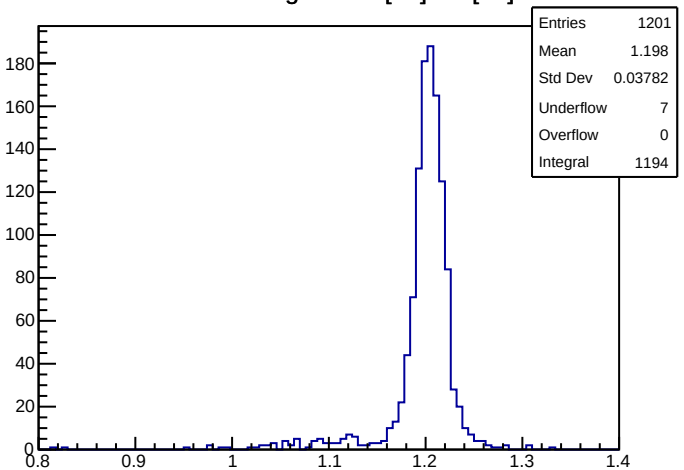

sftx all Sch[35]-Tof[14]
Entries 214
Mean 140.6
Std Dev 9.448
Underflow 0
Overflow 0
Integral 214

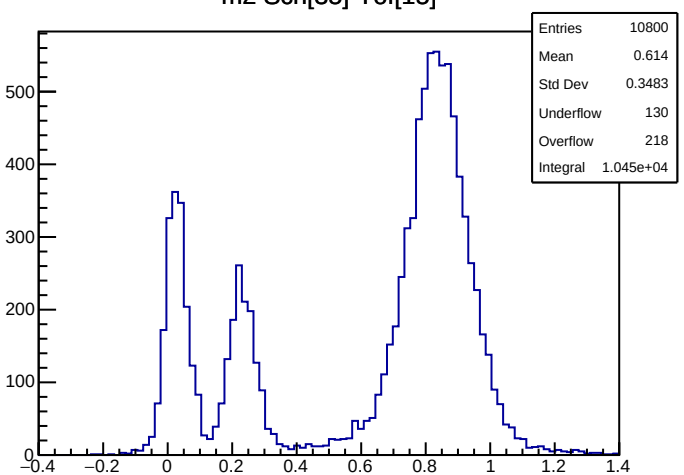

MissMass Sigma Sch[35]-Tof[14]
Entries 248
Mean 1.207
Std Dev 0.0449
Underflow 0
Overflow 0
Integral 248

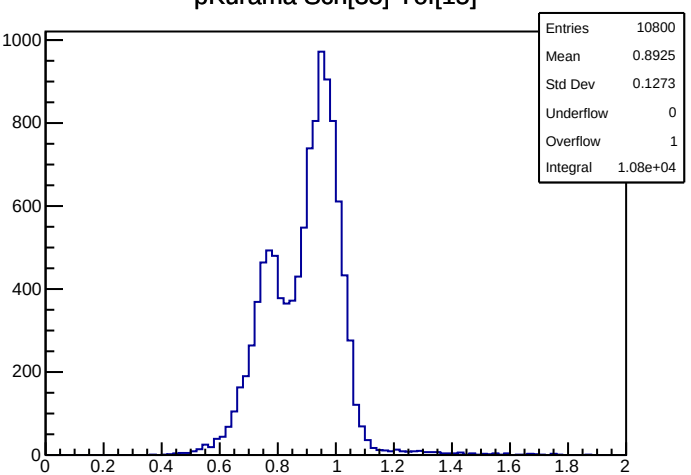

m2 Sch[35]-Tof[14]
Entries 1657
Mean 0.3356
Std Dev 0.3697
Underflow 30
Overflow 56
Integral 1571

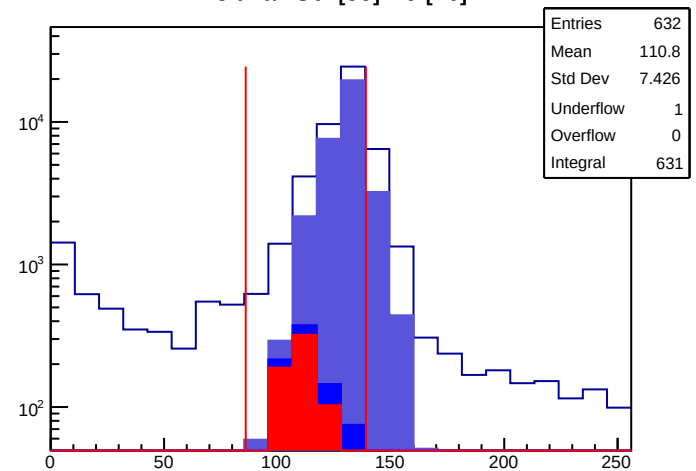

pKurama Sch[35]-Tof[14]
Entries 1657
Mean 0.7567
Std Dev 0.1513
Underflow 0
Overflow 1
Integral 1656

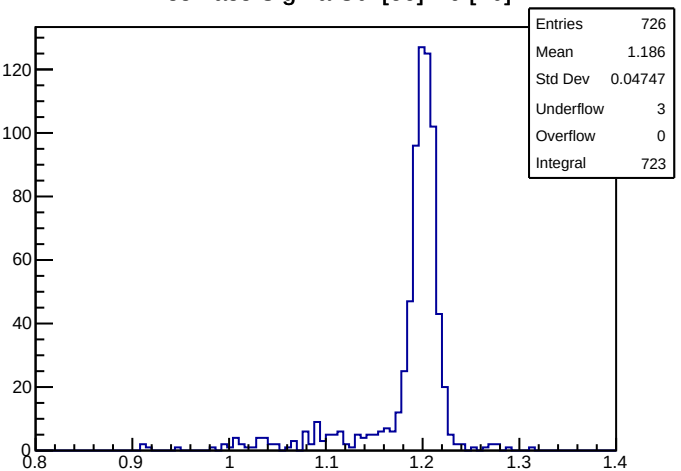

sftx all Sch[35]-Tof[15]
Entries 1112
Mean 126.7
Std Dev 9.861
Underflow 3
Overflow 0
Integral 1109

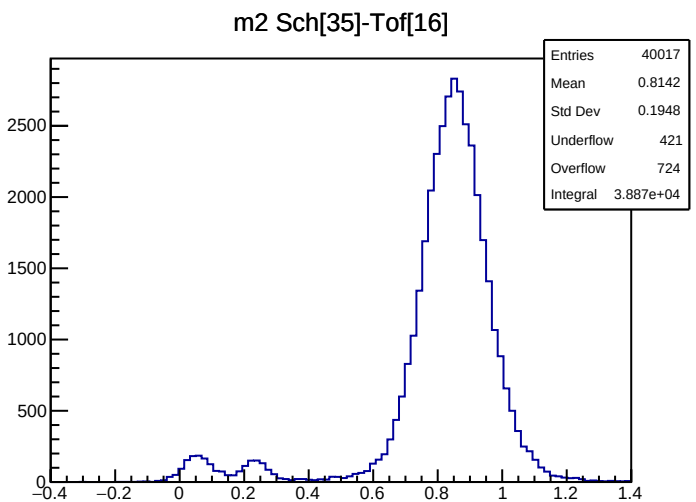

MissMass Sigma Sch[35]-Tof[15]
Entries 1201
Mean 1.198
Std Dev 0.03782
Underflow 7
Overflow 0
Integral 1194

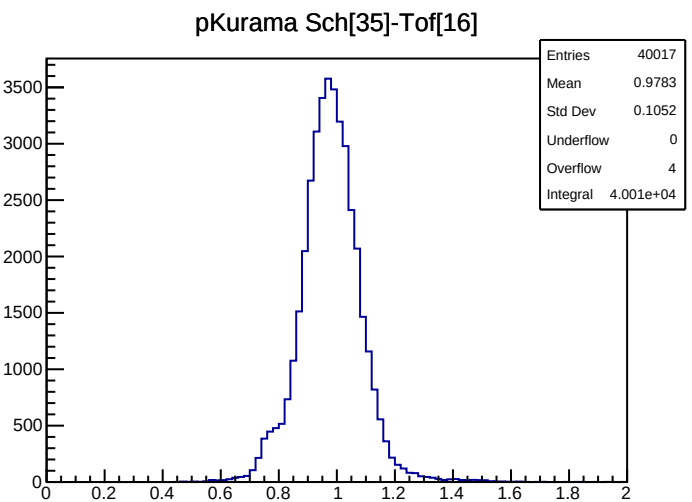

m2 Sch[35]-Tof[15]
Entries 10800
Mean 0.614
Std Dev 0.3483
Underflow 130
Overflow 218
Integral 1.045e+04

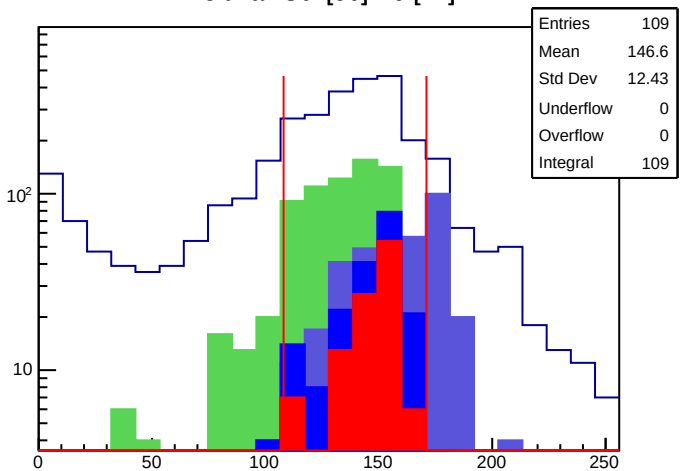

pKurama Sch[35]-Tof[15]
Entries 10800
Mean 0.8925
Std Dev 0.1273
Underflow 0
Overflow 1
Integral 1.08e+04

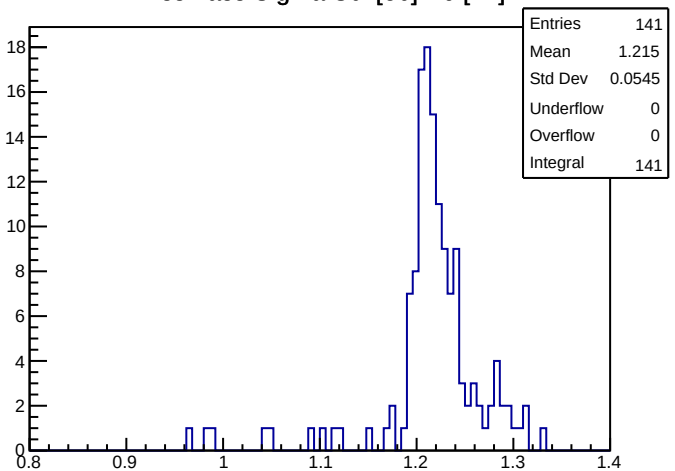

sftx all Sch[35]-Tof[16]
Entries 632
Mean 110.8
Std Dev 7.426
Underflow 1
Overflow 0
Integral 631

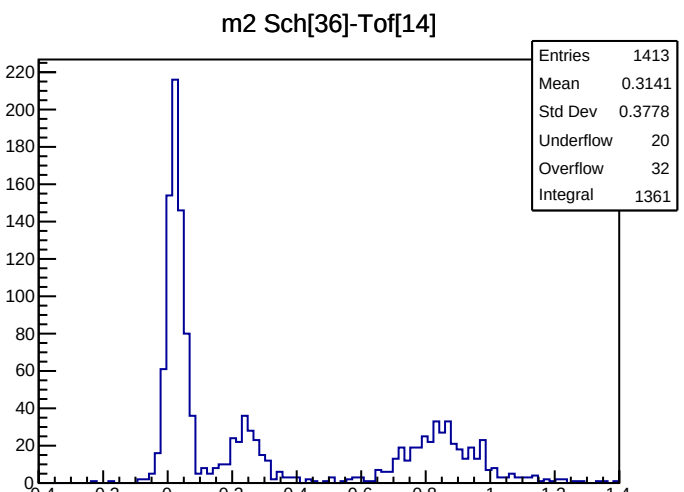

MissMass Sigma Sch[35]-Tof[16]
Entries 726
Mean 1.186
Std Dev 0.04747
Underflow 3
Overflow 0
Integral 723

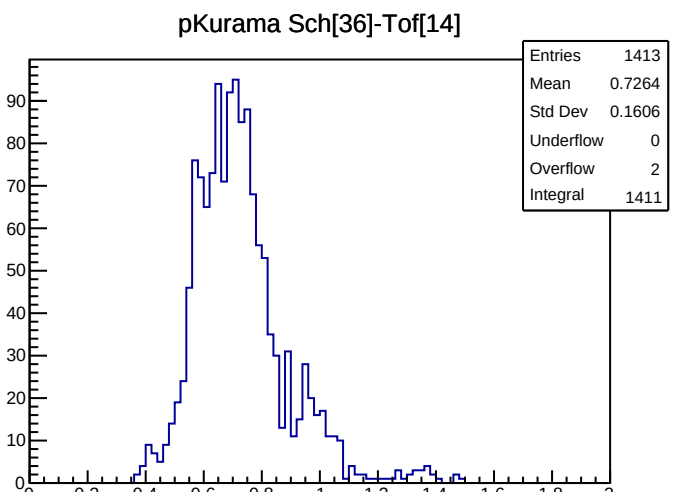

m2 Sch[35]-Tof[16]
Entries 40017
Mean 0.8142
Std Dev 0.1948
Underflow 421
Overflow 724
Integral 3.887e+04

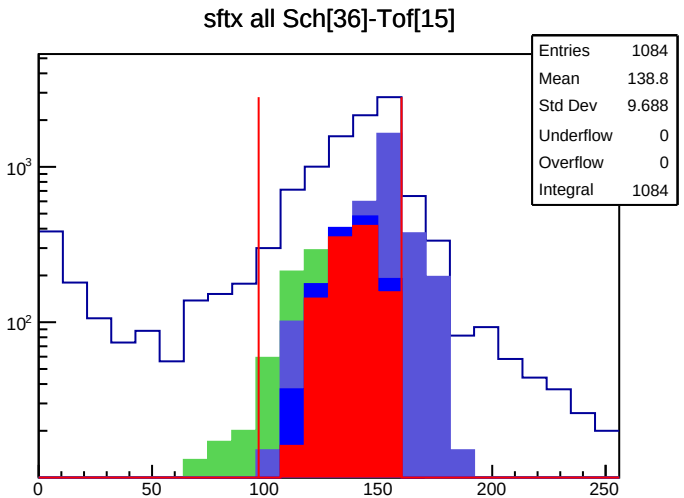

pKurama Sch[35]-Tof[16]
Entries 40017
Mean 0.9783
Std Dev 0.1052
Underflow 0
Overflow 4
Integral 4.001e+04

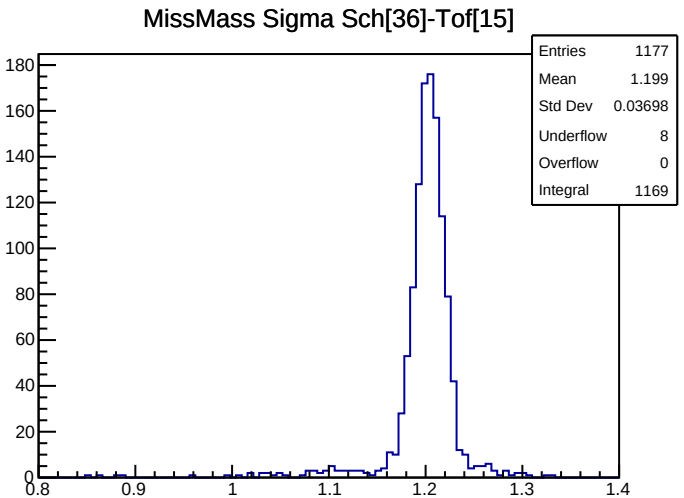

sftx all Sch[36]-Tof[14]
Entries 109
Mean 146.6
Std Dev 12.43
Underflow 0
Overflow 0
Integral 109
10^2
10
0
50
100
150
200
250

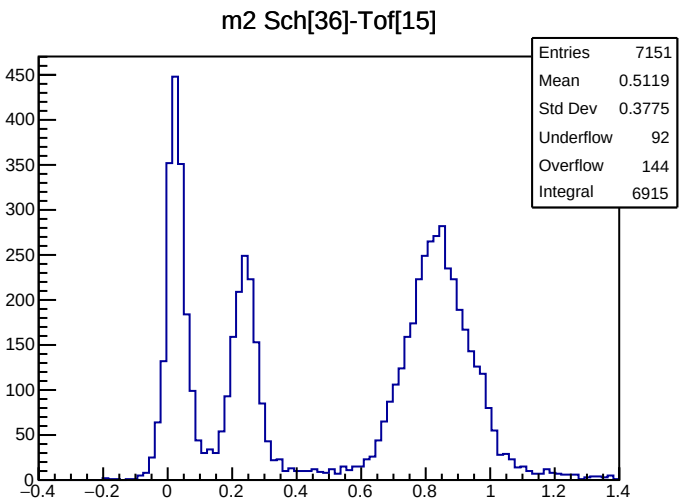

MissMass Sigma Sch[36]-Tof[14]
Entries 141
Mean 1.215
Std Dev 0.0545
Underflow 0
Overflow 0
Integral 141
18
16
14
12
10
8
6
4
2
0
0.8
0.9
1
1.1
1.2
1.3
1.4

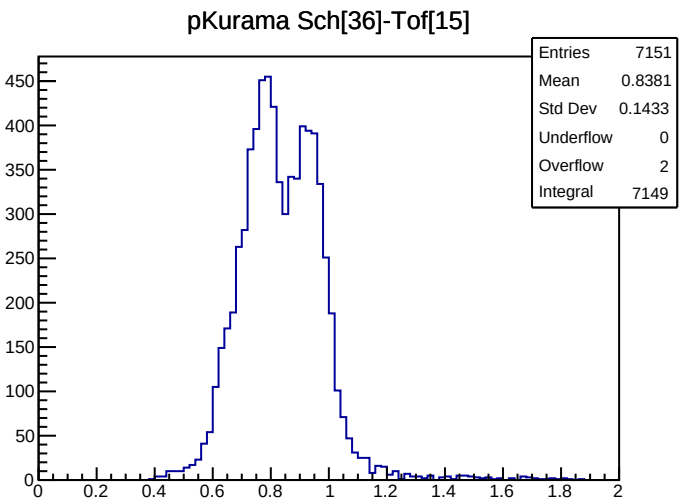

m2 Sch[36]-Tof[14]
Entries 1413
Mean 0.3141
Std Dev 0.3778
Underflow 20
Overflow 32
Integral 1361
220
200
180
160
140
120
100
80
60
40
20
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

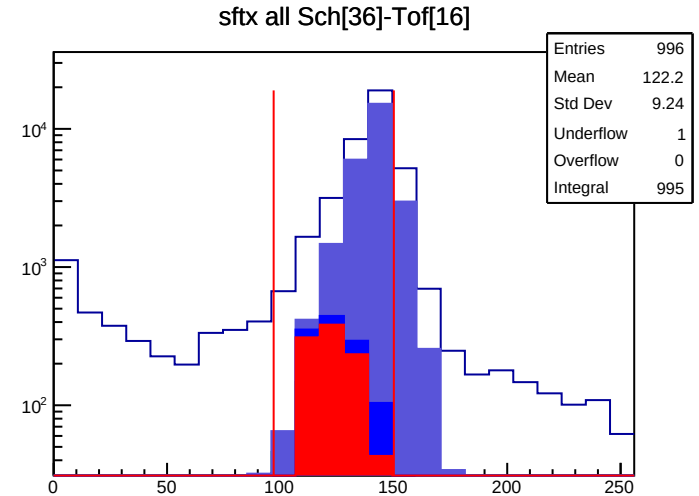

pKurama Sch[36]-Tof[14]
Entries 1413
Mean 0.7264
Std Dev 0.1606
Underflow 0
Overflow 2
Integral 1411
90
80
70
60
50
40
30
20
10
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

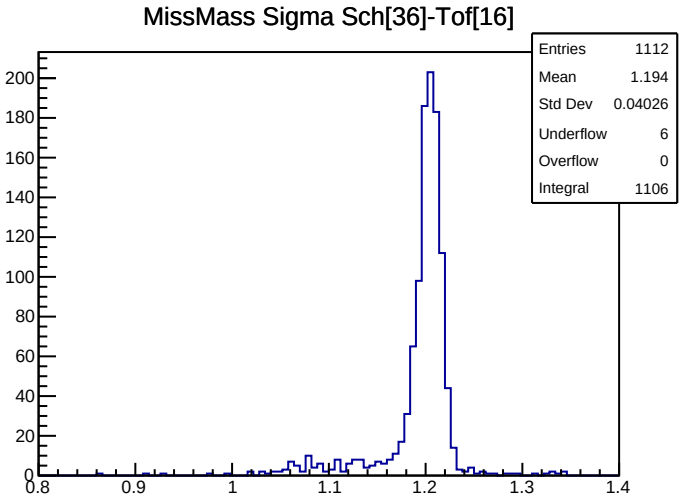

sftx all Sch[36]-Tof[15]
Entries 1084
Mean 138.8
Std Dev 9.688
Underflow 0
Overflow 0
Integral 1084

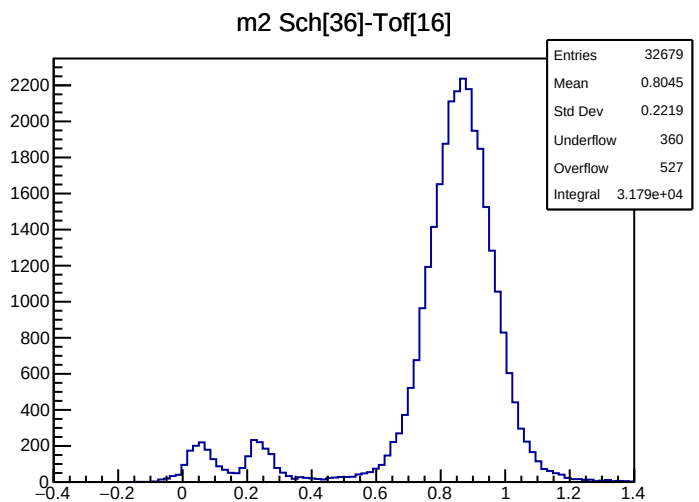

MissMass Sigma Sch[36]-Tof[15]
Entries 1177
Mean 1.199
Std Dev 0.03698
Underflow 8
Overflow 0
Integral 1169

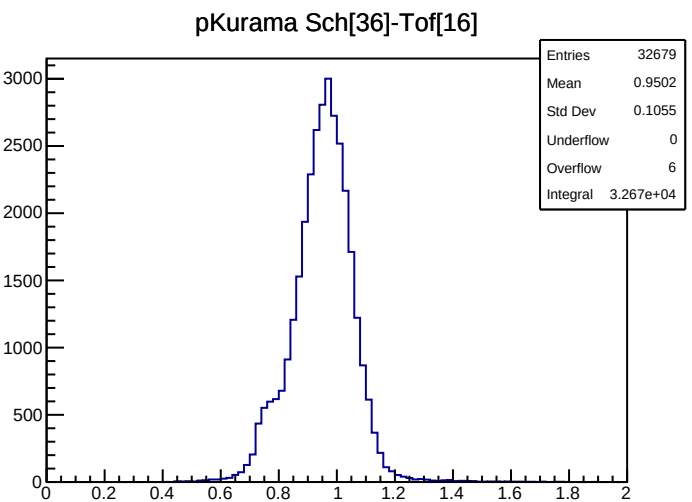

m2 Sch[36]-Tof[15]
Entries 7151
Mean 0.5119
Std Dev 0.3775
Underflow 92
Overflow 144
Integral 6915

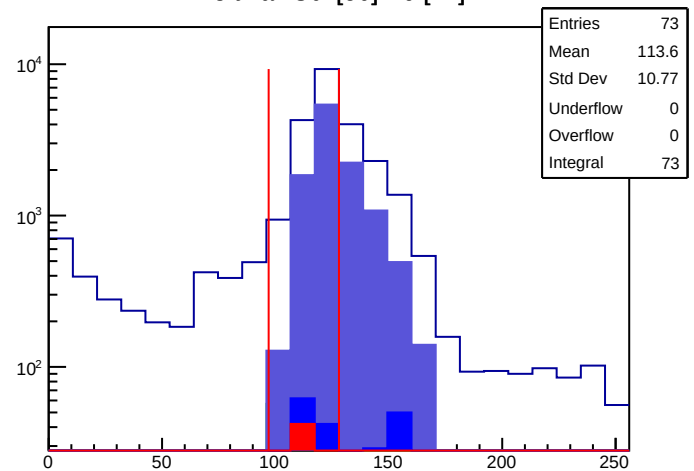

pKurama Sch[36]-Tof[15]
Entries 7151
Mean 0.8381
Std Dev 0.1433
Underflow 0
Overflow 2
Integral 7149

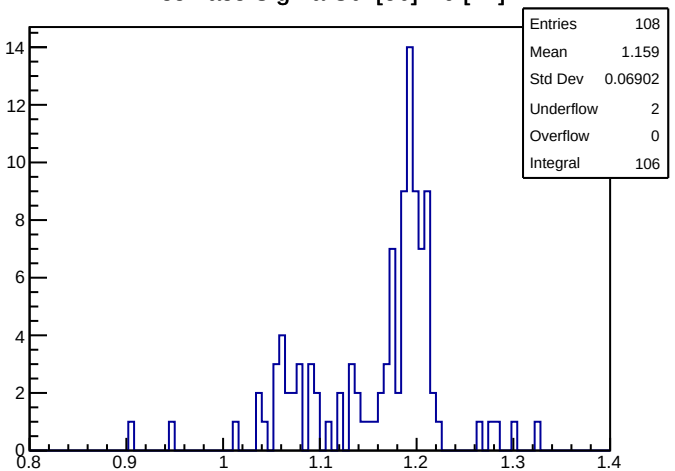

sftx all Sch[36]-Tof[16]
Entries 996
Mean 122.2
Std Dev 9.24
Underflow 1
Overflow 0
Integral 995

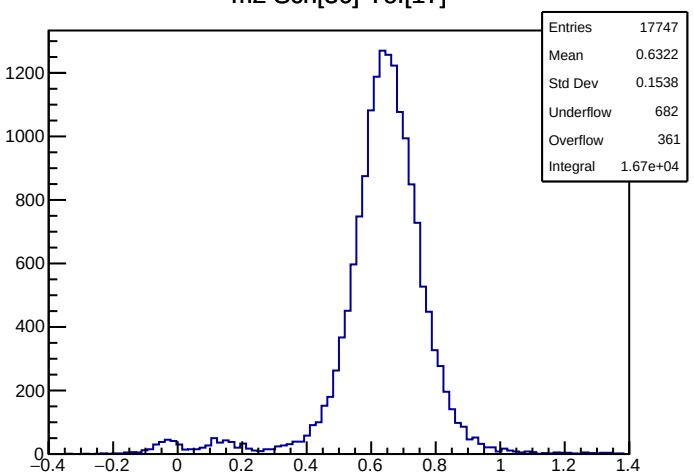

MissMass Sigma Sch[36]-Tof[16]
Entries 1112
Mean 1.194
Std Dev 0.04026
Underflow 6
Overflow 0
Integral 1106

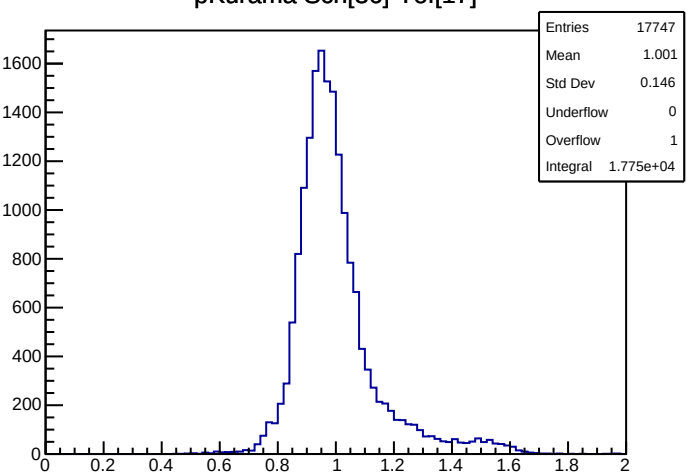

m2 Sch[36]-Tof[16]
Entries 32679
Mean 0.8045
Std Dev 0.2219
Underflow 360
Overflow 527
Integral 3.179e+04

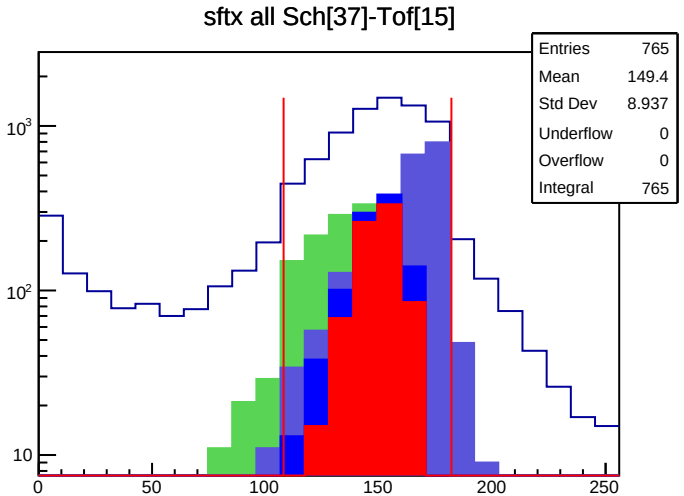

pKurama Sch[36]-Tof[16]
Entries 32679
Mean 0.9502
Std Dev 0.1055
Underflow 0
Overflow 6
Integral 3.267e+04

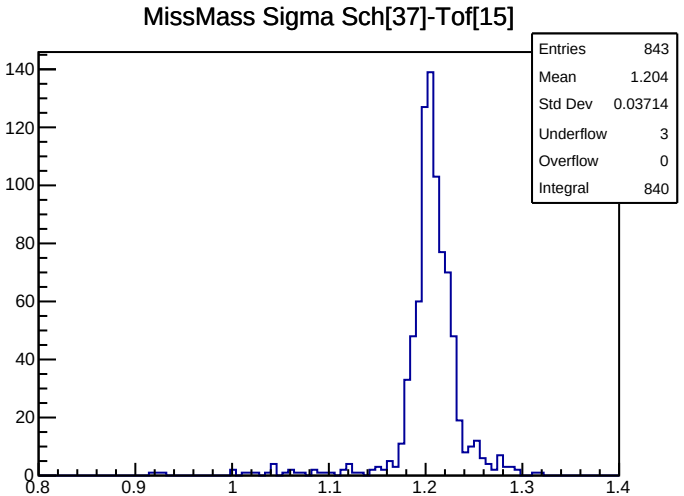

sftx all Sch[36]-Tof[17]
Entries 73
Mean 113.6
Std Dev 10.77
Underflow 0
Overflow 0
Integral 73

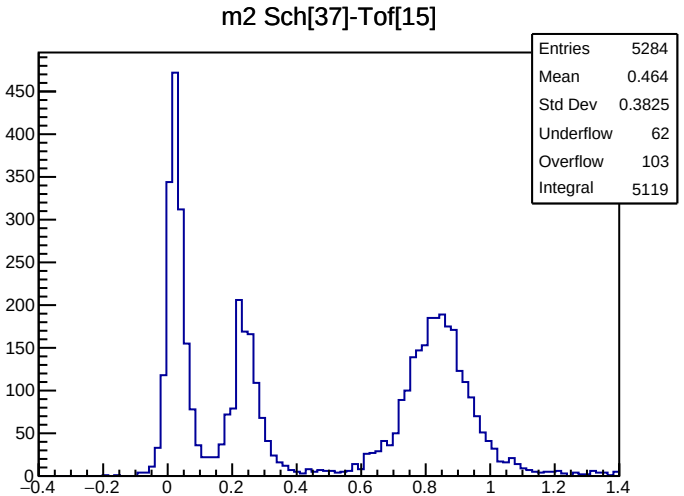

MissMass Sigma Sch[36]-Tof[17]
Entries 108
Mean 1.159
Std Dev 0.06902
Underflow 2
Overflow 0
Integral 106

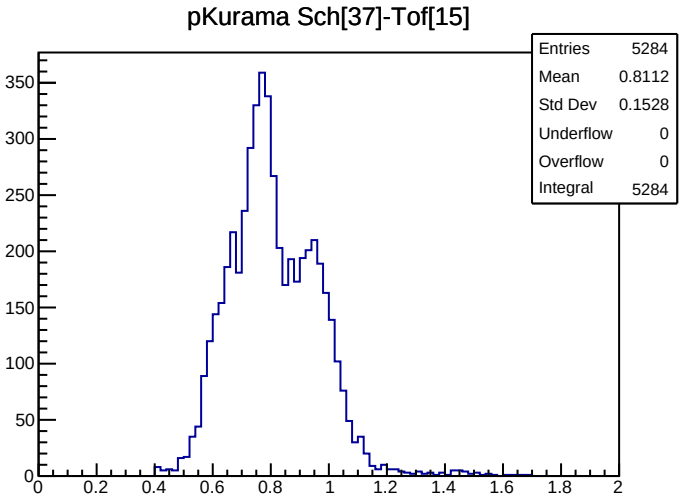

m2 Sch[36]-Tof[17]
Entries 17747
Mean 0.6322
Std Dev 0.1538
Underflow 682
Overflow 361
Integral 1.67e+04

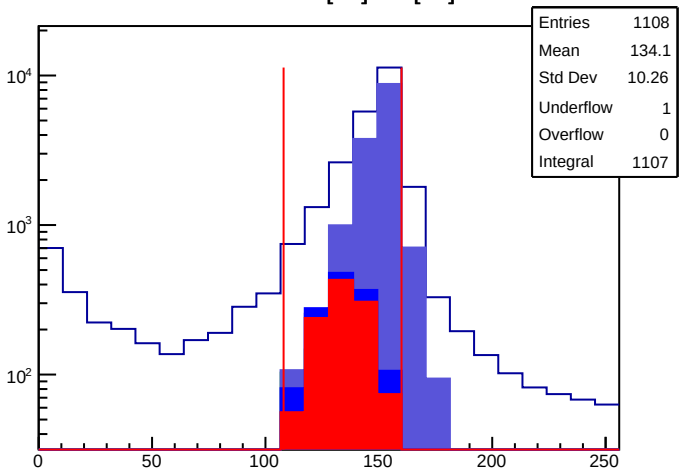

pKurama Sch[36]-Tof[17]
Entries 17747
Mean 1.001
Std Dev 0.146
Underflow 0
Overflow 1
Integral 1.775e+04

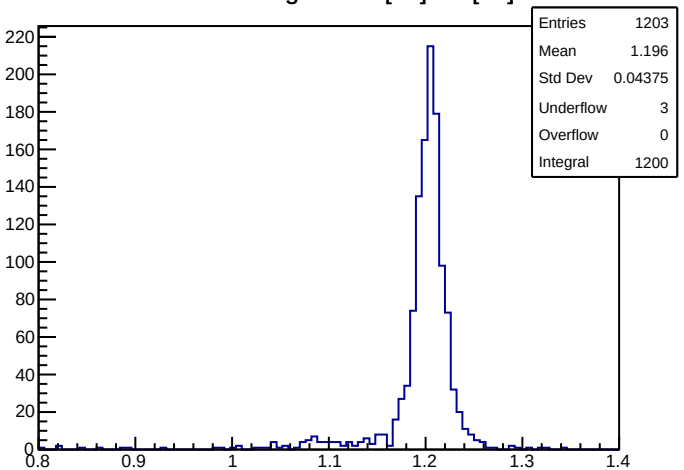

sftx all Sch[37]-Tof[15]
Entries 765
Mean 149.4
Std Dev 8.937
Underflow 0
Overflow 0
Integral 765

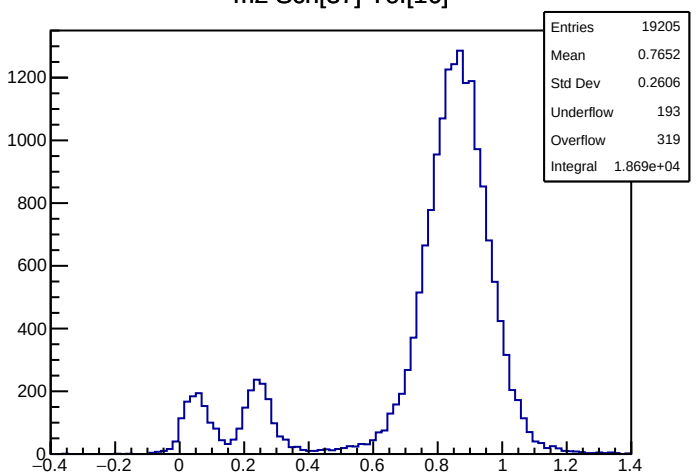

MissMass Sigma Sch[37]-Tof[15]
Entries 843
Mean 1.204
Std Dev 0.03714
Underflow 3
Overflow 0
Integral 840

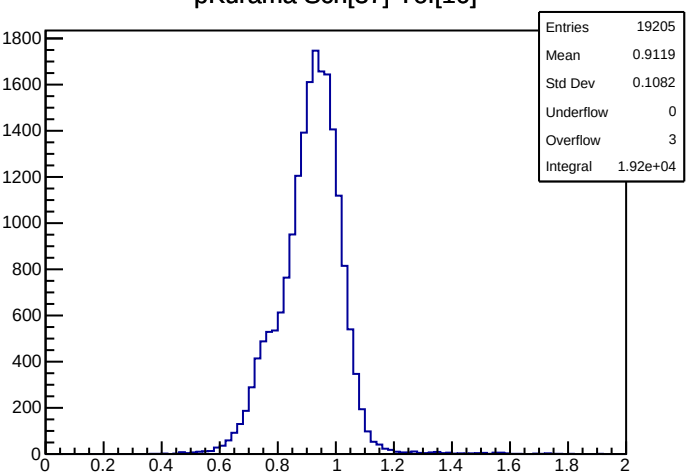

m2 Sch[37]-Tof[15]
Entries 5284
Mean 0.464
Std Dev 0.3825
Underflow 62
Overflow 103
Integral 5119

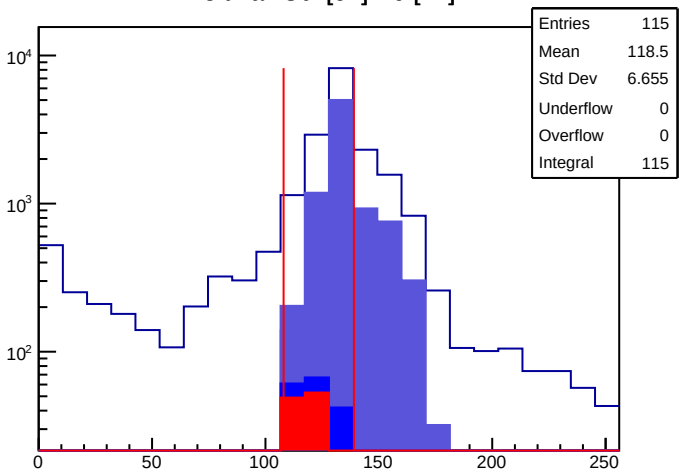

pKurama Sch[37]-Tof[15]
Entries 5284
Mean 0.8112
Std Dev 0.1528
Underflow 0
Overflow 0
Integral 5284

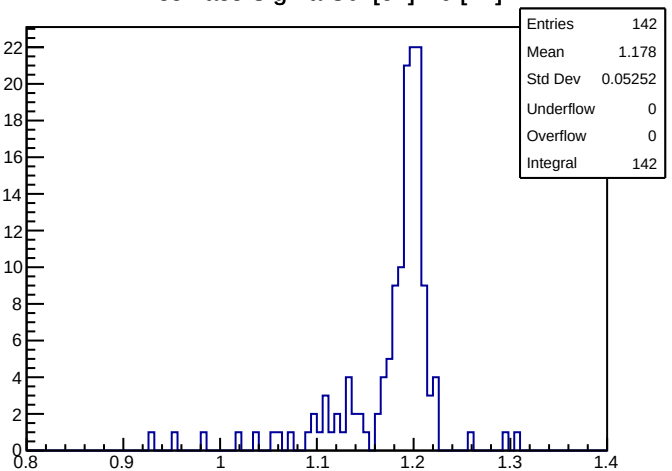

sftx all Sch[37]-Tof[16]
Entries 1108
Mean 134.1
Std Dev 10.26
Underflow 1
Overflow 0
Integral 1107

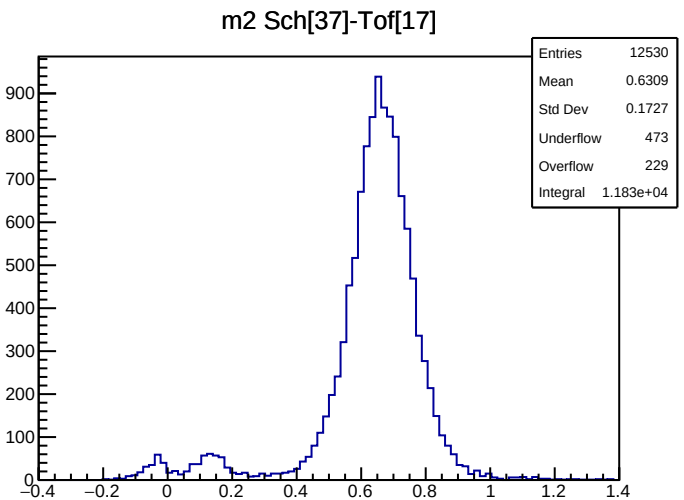

MissMass Sigma Sch[37]-Tof[16]
Entries 1203
Mean 1.196
Std Dev 0.04375
Underflow 3
Overflow 0
Integral 1200

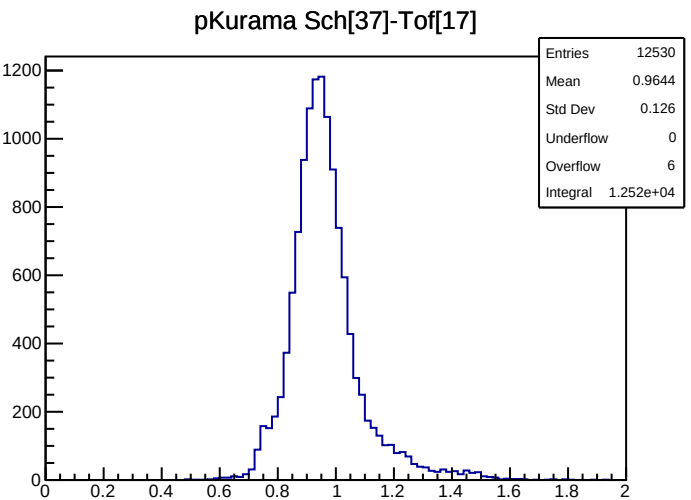

m2 Sch[37]-Tof[16]
Entries 19205
Mean 0.7652
Std Dev 0.2606
Underflow 193
Overflow 319
Integral 1.869e+04

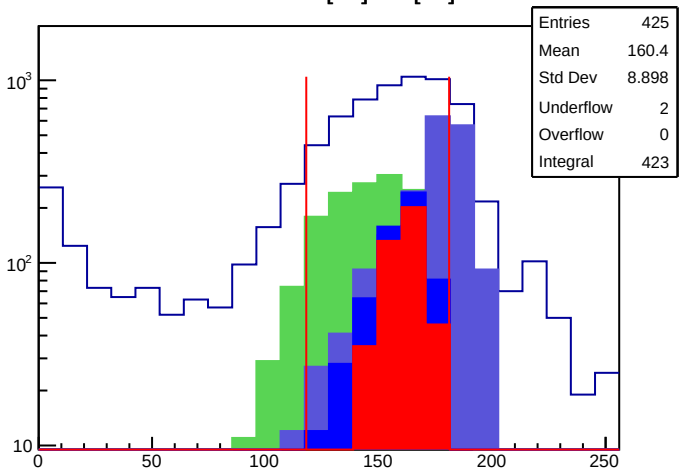

pKurama Sch[37]-Tof[16]
Entries 19205
Mean 0.9119
Std Dev 0.1082
Underflow 0
Overflow 3
Integral 1.92e+04

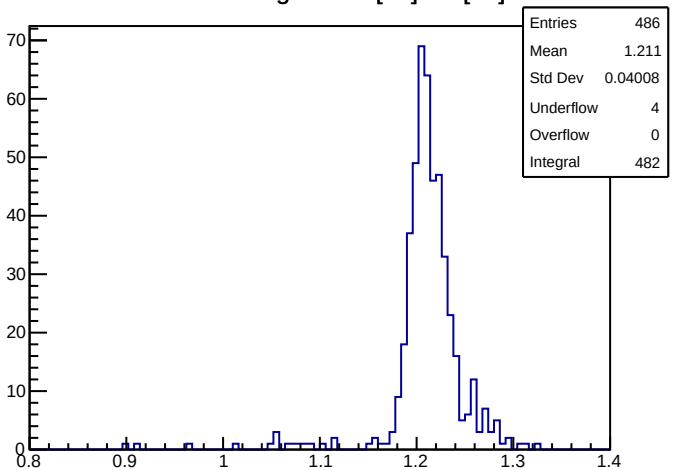

sftx all Sch[37]-Tof[17]
Entries 115
Mean 118.5
Std Dev 6.655
Underflow 0
Overflow 0
Integral 115

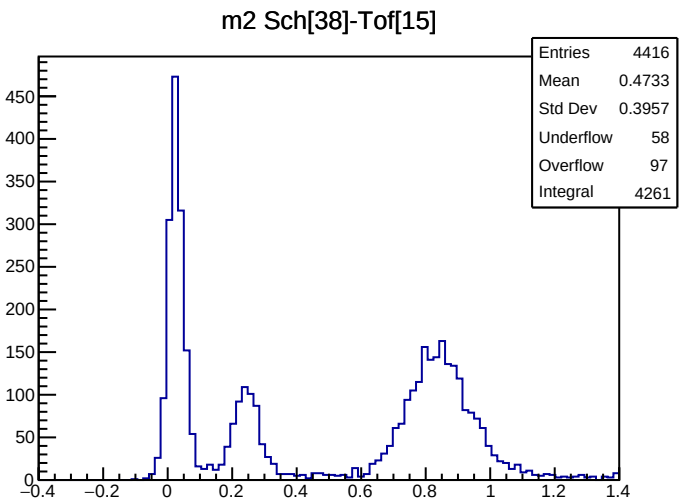

MissMass Sigma Sch[37]-Tof[17]
Entries 142
Mean 1.178
Std Dev 0.05252
Underflow 0
Overflow 0
Integral 142

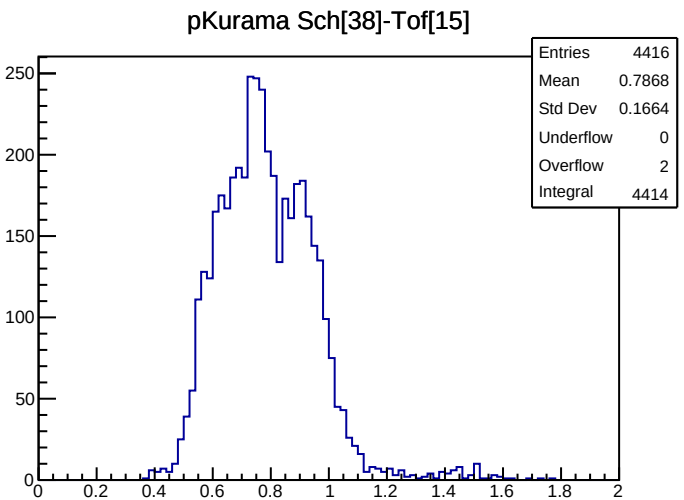

m2 Sch[37]-Tof[17]
Entries 12530
Mean 0.6309
Std Dev 0.1727
Underflow 473
Overflow 229
Integral 1.183e+04

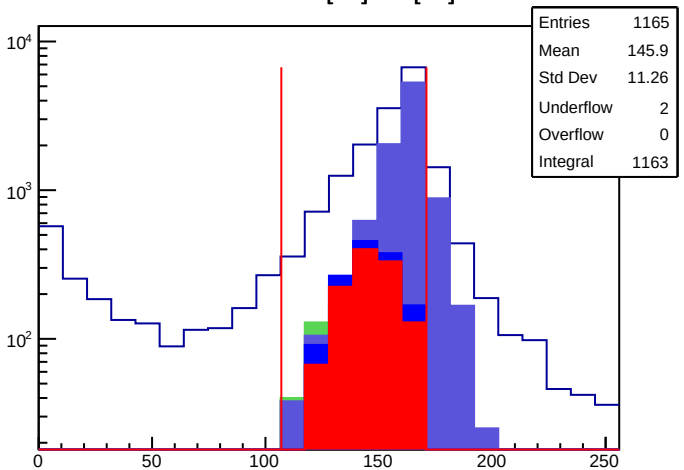

pKurama Sch[37]-Tof[17]
Entries 12530
Mean 0.9644
Std Dev 0.126
Underflow 0
Overflow 6
Integral 1.252e+04

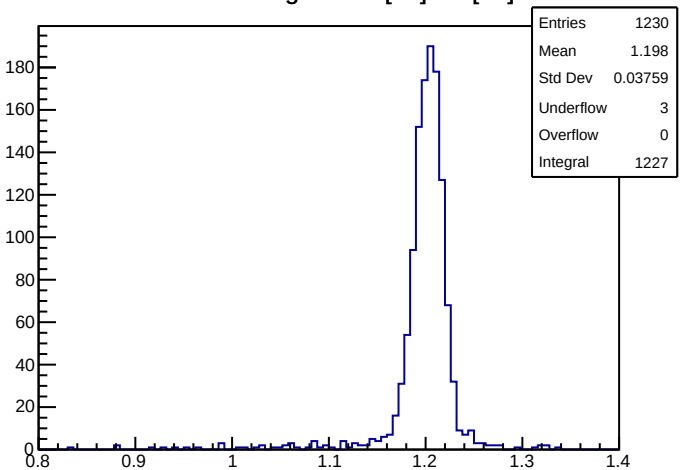

sftx all Sch[38]-Tof[15]
Entries 425
Mean 160.4
Std Dev 8.898
Underflow 2
Overflow 0
Integral 423

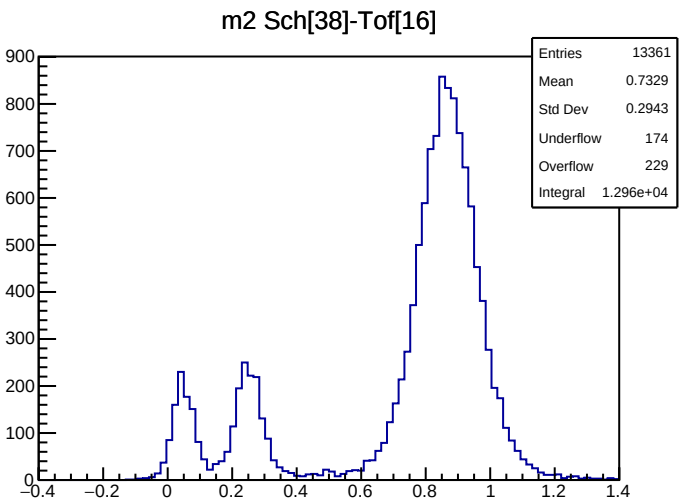

MissMass Sigma Sch[38]-Tof[15]
Entries 486
Mean 1.211
Std Dev 0.04008
Underflow 4
Overflow 0
Integral 482

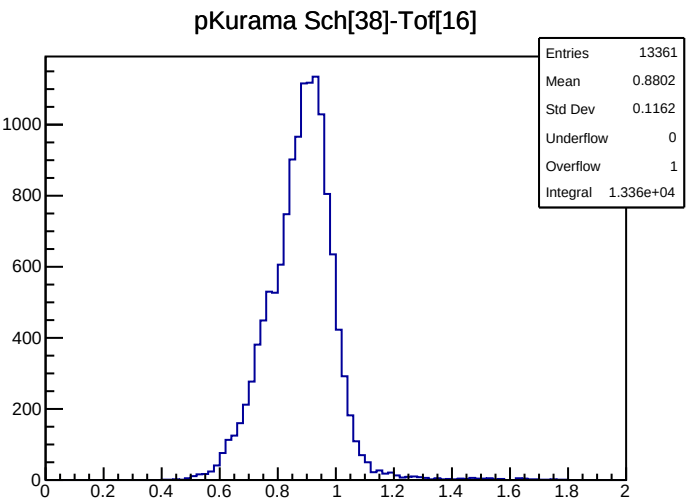

m2 Sch[38]-Tof[15]
Entries 4416
Mean 0.4733
Std Dev 0.3957
Underflow 58
Overflow 97
Integral 4261

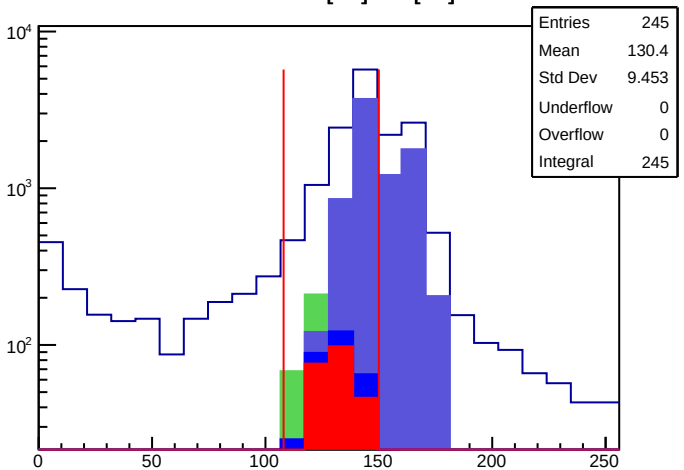

pKurama Sch[38]-Tof[15]
Entries 4416
Mean 0.7868
Std Dev 0.1664
Underflow 0
Overflow 2
Integral 4414

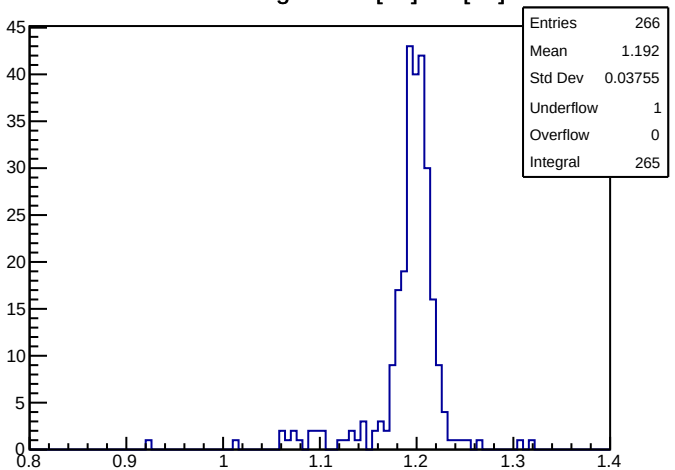

sftx all Sch[38]-Tof[16]
Entries 1165
Mean 145.9
Std Dev 11.26
Underflow 2
Overflow 0
Integral 1163

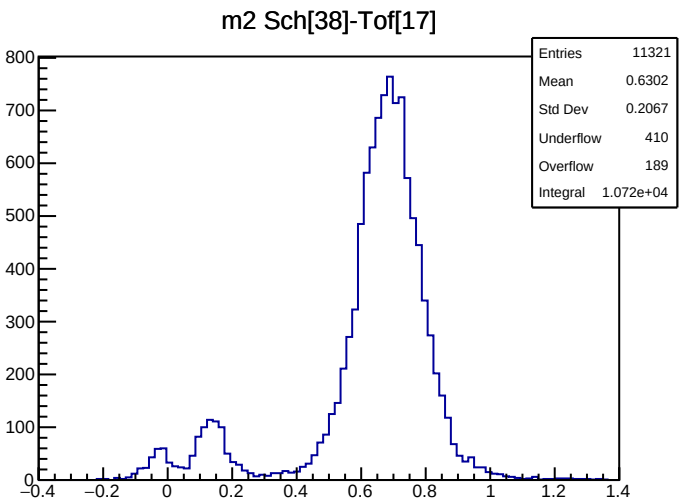

MissMass Sigma Sch[38]-Tof[16]
Entries 1230
Mean 1.198
Std Dev 0.03759
Underflow 3
Overflow 0
Integral 1227

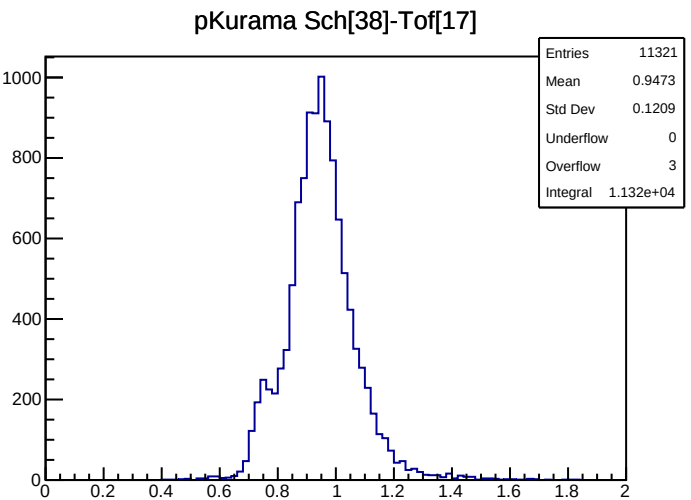

m2 Sch[38]-Tof[16]
Entries 13361
Mean 0.7329
Std Dev 0.2943
Underflow 174
Overflow 229
Integral 1.296e+04

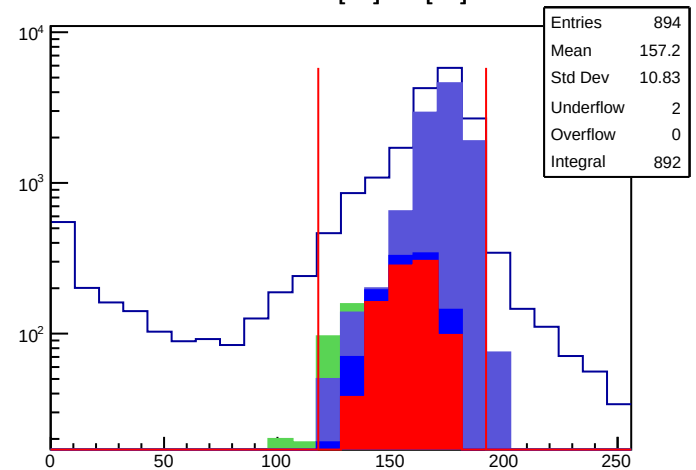

pKurama Sch[38]-Tof[16]
Entries 13361
Mean 0.8802
Std Dev 0.1162
Underflow 0
Overflow 1
Integral 1.336e+04

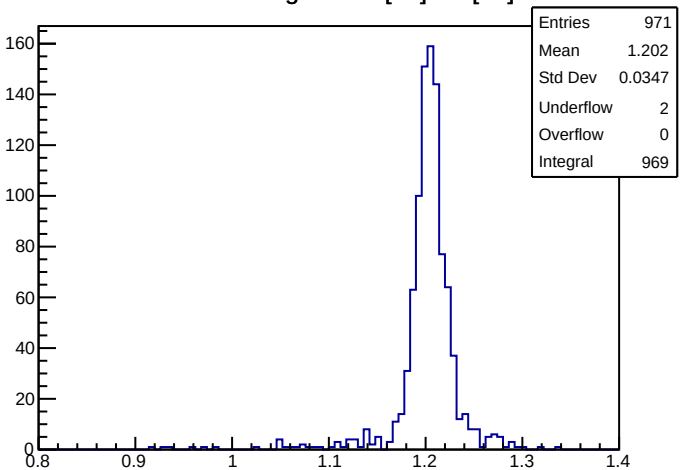

sftx all Sch[38]-Tof[17]
Entries 245
Mean 130.4
Std Dev 9.453
Underflow 0
Overflow 0
Integral 245

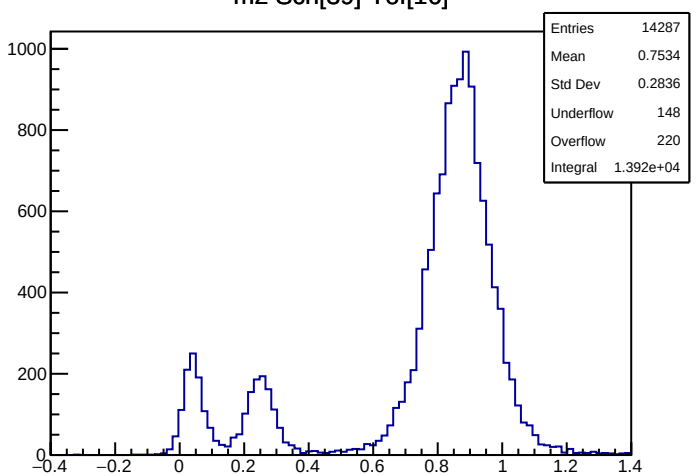

MissMass Sigma Sch[38]-Tof[17]
Entries 266
Mean 1.192
Std Dev 0.03755
Underflow 1
Overflow 0
Integral 265

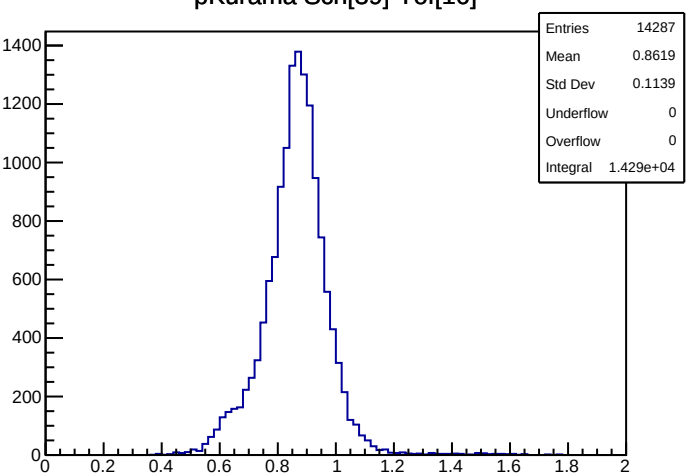

m2 Sch[38]-Tof[17]
Entries 11321
Mean 0.6302
Std Dev 0.2067
Underflow 410
Overflow 189
Integral 1.072e+04

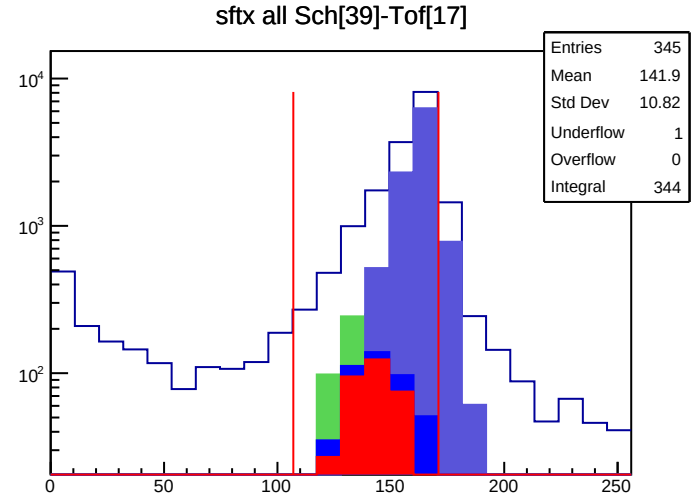

pKurama Sch[38]-Tof[17]
Entries 11321
Mean 0.9473
Std Dev 0.1209
Underflow 0
Overflow 3
Integral 1.132e+04

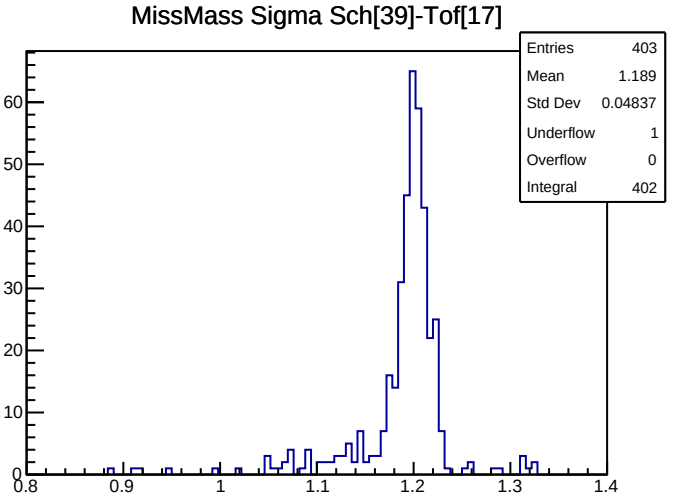

sftx all Sch[39]-Tof[16]
Entries 894
Mean 157.2
Std Dev 10.83
Underflow 2
Overflow 0
Integral 892

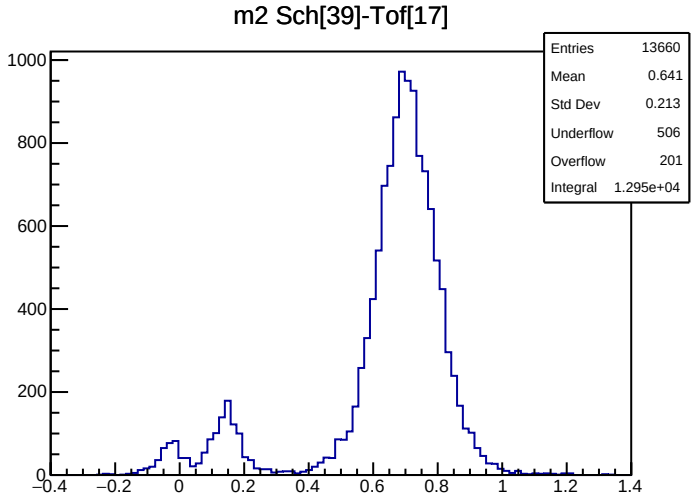

MissMass Sigma Sch[39]-Tof[16]
Entries 971
Mean 1.202
Std Dev 0.0347
Underflow 2
Overflow 0
Integral 969

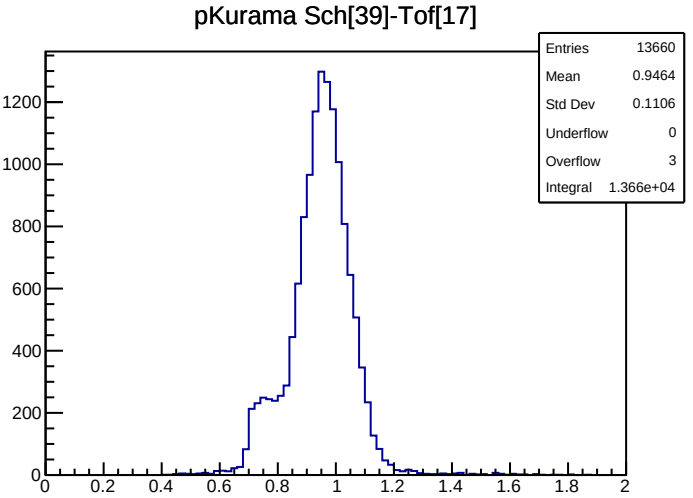

m2 Sch[39]-Tof[16]
Entries 14287
Mean 0.7534
Std Dev 0.2836
Underflow 148
Overflow 220
Integral 1.392e+04

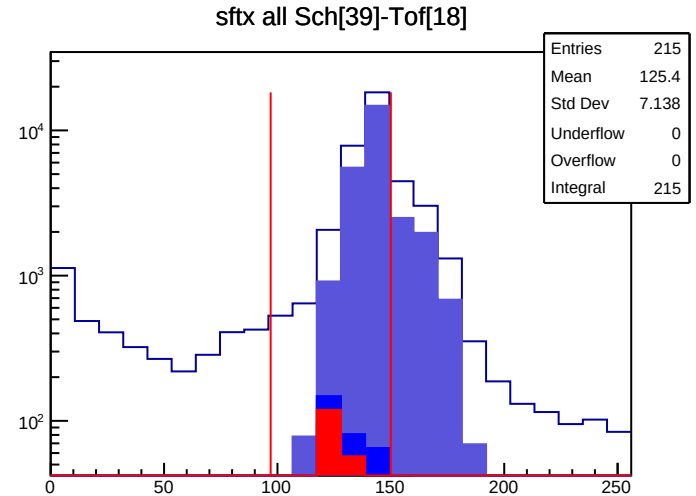

pKurama Sch[39]-Tof[16]
Entries 14287
Mean 0.8619
Std Dev 0.1139
Underflow 0
Overflow 0
Integral 1.429e+04

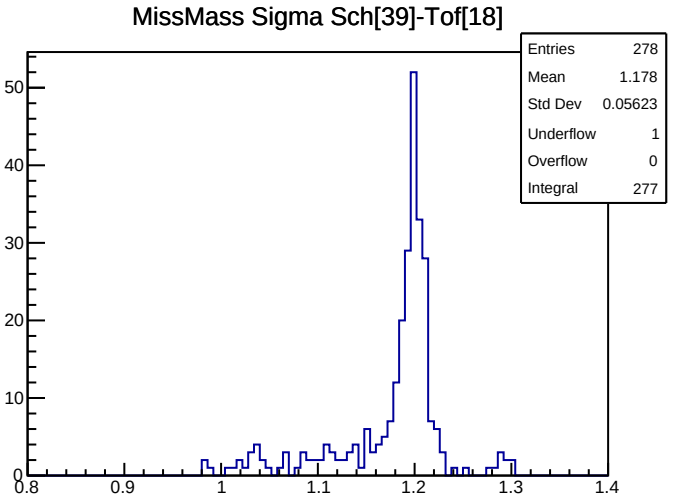

sftx all Sch[39]-Tof[17]
Entries 345
Mean 141.9
Std Dev 10.82
Underflow 1
Overflow 0
Integral 344

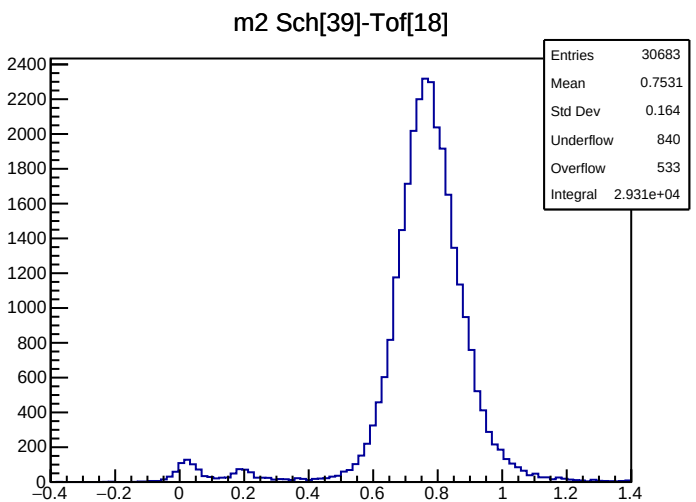

MissMass Sigma Sch[39]-Tof[17]
Entries 403
Mean 1.189
Std Dev 0.04837
Underflow 1
Overflow 0
Integral 402

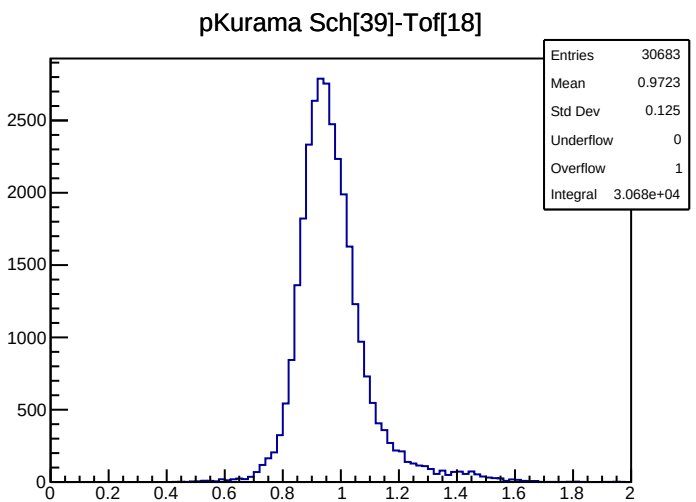

m2 Sch[39]-Tof[17]
Entries 13660
Mean 0.641
Std Dev 0.213
Underflow 506
Overflow 201
Integral 1.295e+04

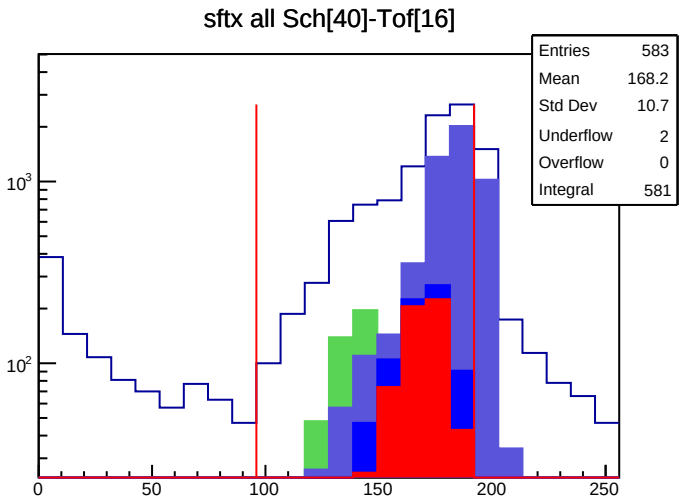

pKurama Sch[39]-Tof[17]
Entries 13660
Mean 0.9464
Std Dev 0.1106
Underflow 0
Overflow 3
Integral 1.366e+04

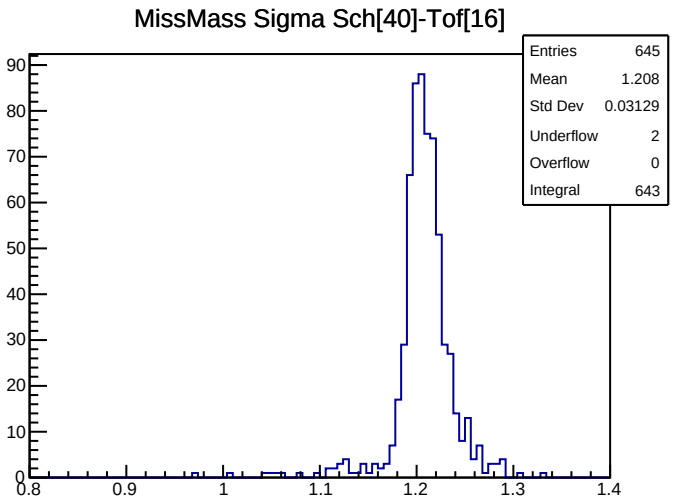

sftx all Sch[39]-Tof[18]
Entries 215
Mean 125.4
Std Dev 7.138
Underflow 0
Overflow 0
Integral 215

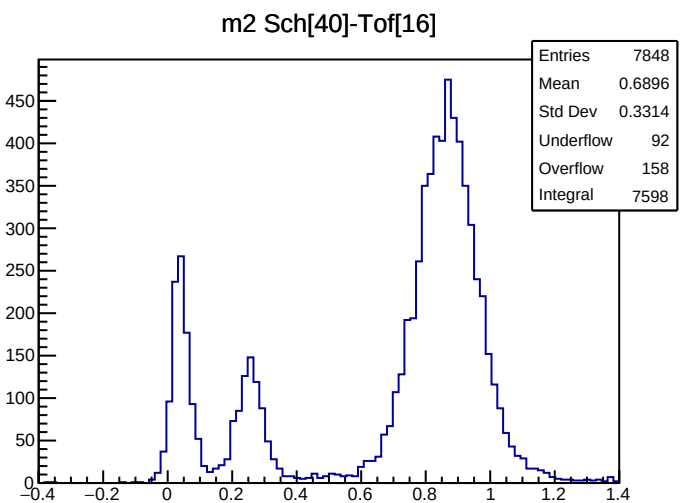

MissMass Sigma Sch[39]-Tof[18]
Entries 278
Mean 1.178
Std Dev 0.05623
Underflow 1
Overflow 0
Integral 277

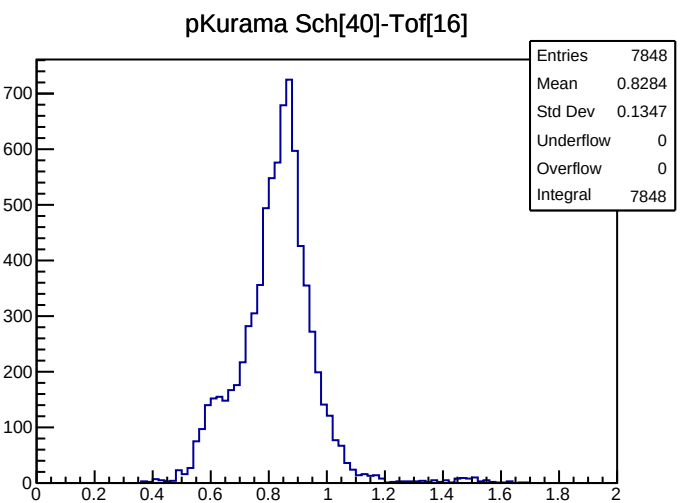

m2 Sch[39]-Tof[18]
Entries 30683
Mean 0.7531
Std Dev 0.164
Underflow 840
Overflow 533
Integral 2.931e+04

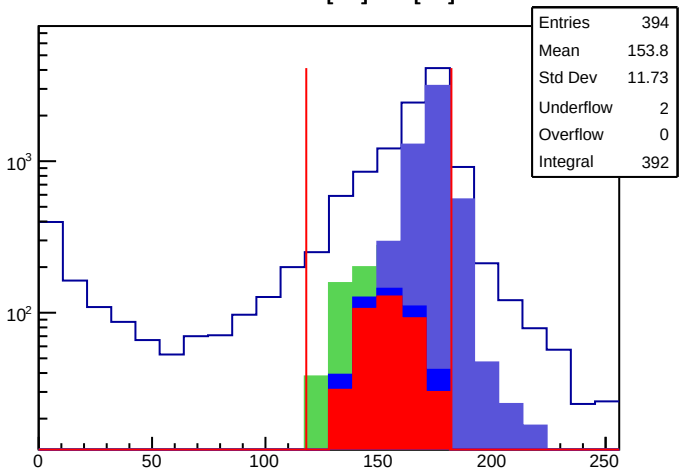

pKurama Sch[39]-Tof[18]
Entries 30683
Mean 0.9723
Std Dev 0.125
Underflow 0
Overflow 1
Integral 3.068e+04

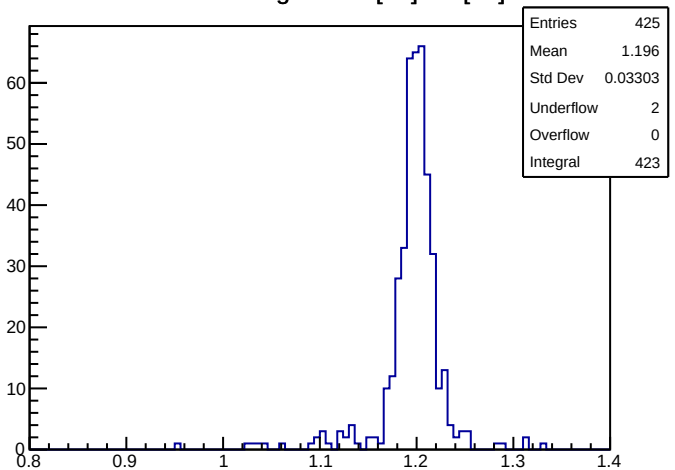

sftx all Sch[40]-Tof[16]
Entries 583
Mean 168.2
Std Dev 10.7
Underflow 2
Overflow 0
Integral 581
10^3
10^2
0 50 100 150 200 250

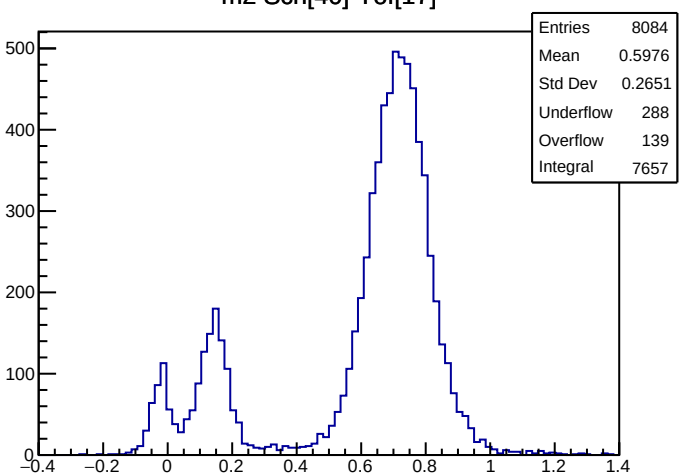

MissMass Sigma Sch[40]-Tof[16]
Entries 645
Mean 1.208
Std Dev 0.03129
Underflow 2
Overflow 0
Integral 643
90 80 70 60 50 40 30 20 10 0
0.8 0.9 1 1.1 1.2 1.3 1.4

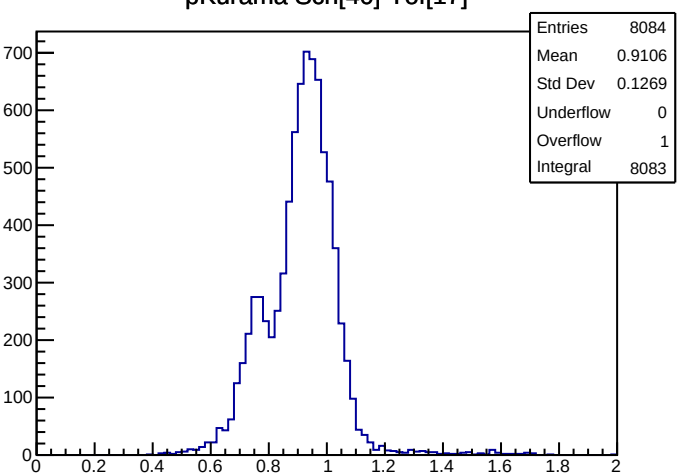

m2 Sch[40]-Tof[16]
Entries 7848
Mean 0.6896
Std Dev 0.3314
Underflow 92
Overflow 158
Integral 7598
450 400 350 300 250 200 150 100 50 0
−0.4 −0.2 0 0.2 0.4 0.6 0.8 1 1.2 1.4

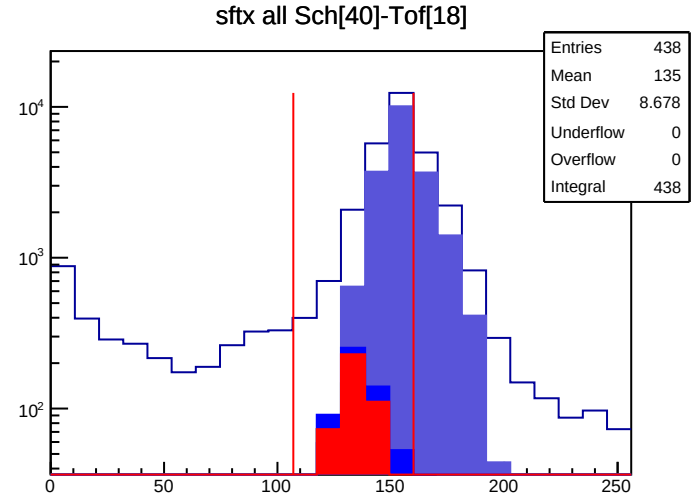

pKurama Sch[40]-Tof[16]
Entries 7848
Mean 0.8284
Std Dev 0.1347
Underflow 0
Overflow 0
Integral 7848
700 600 500 400 300 200 100 0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

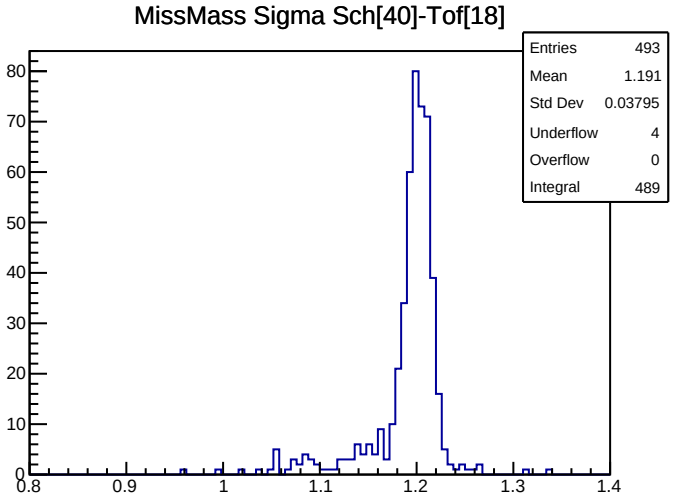

sftx all Sch[40]-Tof[17]
Entries 394
Mean 153.8
Std Dev 11.73
Underflow 2
Overflow 0
Integral 392

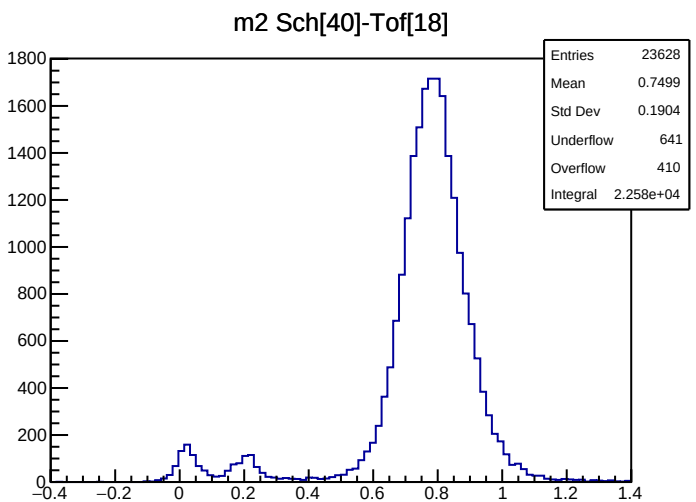

MissMass Sigma Sch[40]-Tof[17]
Entries 425
Mean 1.196
Std Dev 0.03303
Underflow 2
Overflow 0
Integral 423

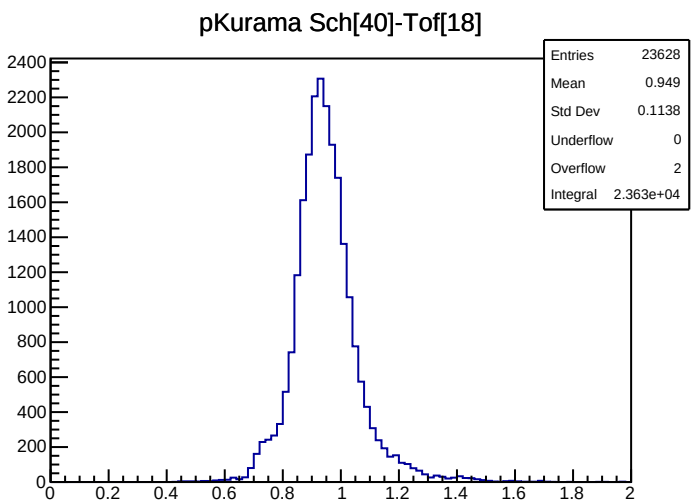

m2 Sch[40]-Tof[17]
Entries 8084
Mean 0.5976
Std Dev 0.2651
Underflow 288
Overflow 139
Integral 7657

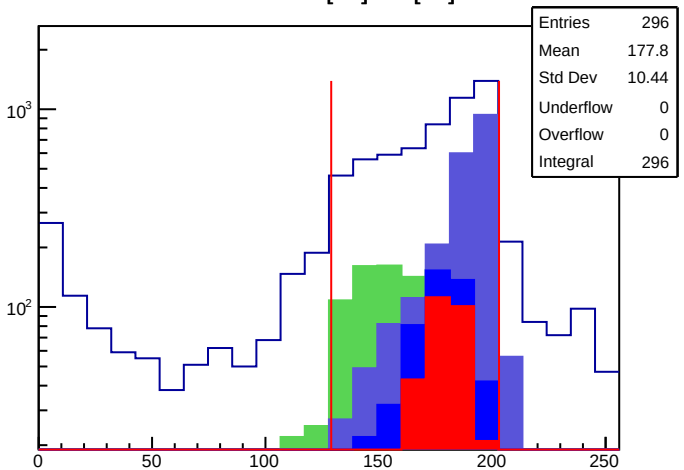

pKurama Sch[40]-Tof[17]
Entries 8084
Mean 0.9106
Std Dev 0.1269
Underflow 0
Overflow 1
Integral 8083

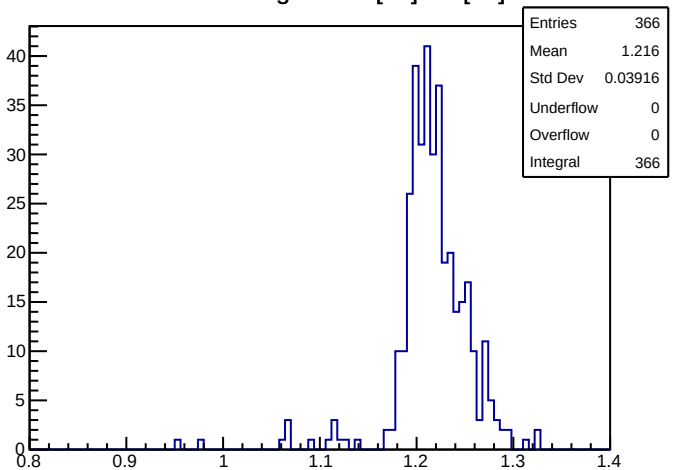

sftx all Sch[40]-Tof[18]
Entries 438
Mean 135
Std Dev 8.678
Underflow 0
Overflow 0
Integral 438

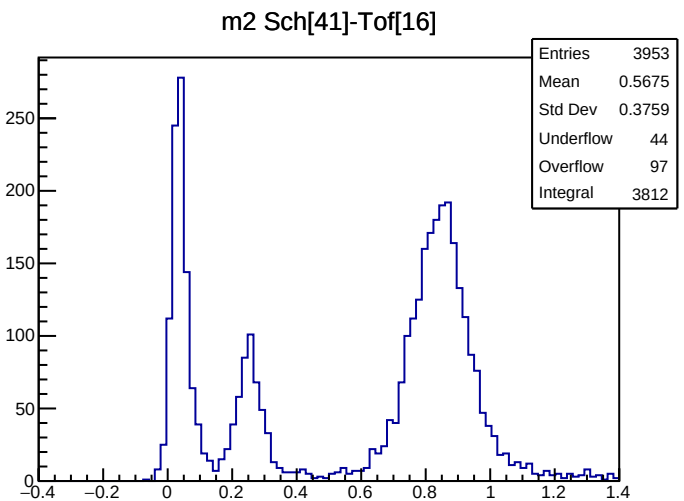

MissMass Sigma Sch[40]-Tof[18]
Entries 493
Mean 1.191
Std Dev 0.03795
Underflow 4
Overflow 0
Integral 489

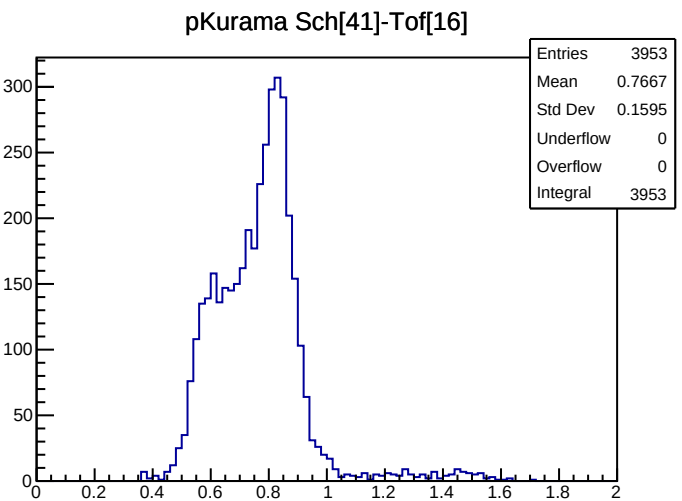

m2 Sch[40]-Tof[18]
Entries 23628
Mean 0.7499
Std Dev 0.1904
Underflow 641
Overflow 410
Integral 2.258e+04

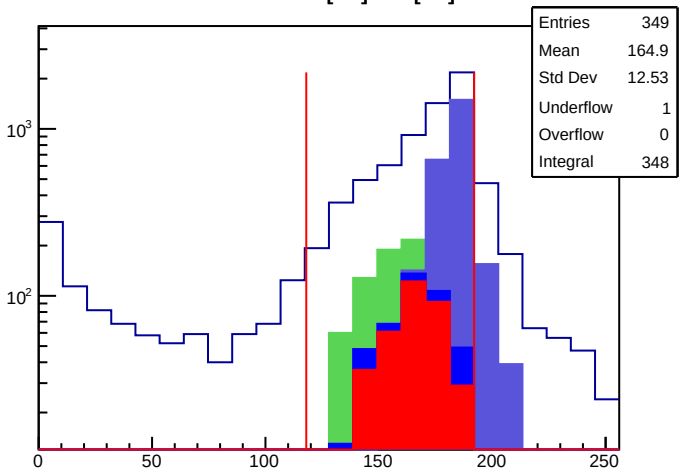

pKurama Sch[40]-Tof[18]
Entries 23628
Mean 0.949
Std Dev 0.1138
Underflow 0
Overflow 2
Integral 2.363e+04

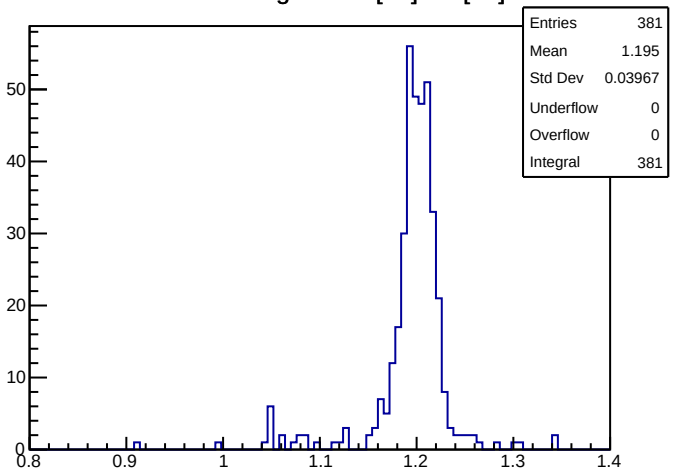

sftx all Sch[41]-Tof[16]
Entries 296
Mean 177.8
Std Dev 10.44
Underflow 0
Overflow 0
Integral 296

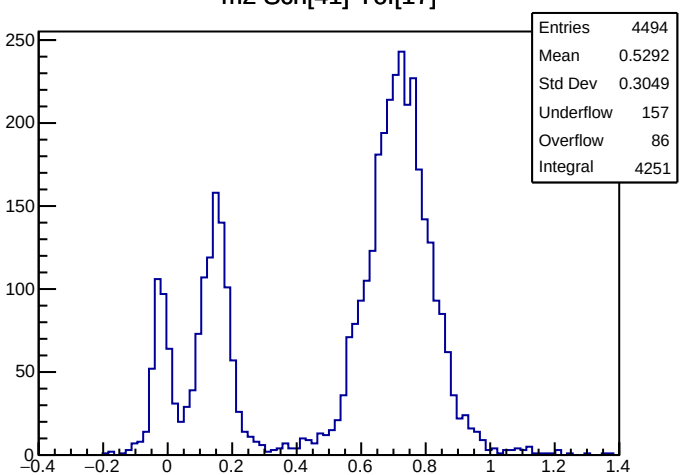

MissMass Sigma Sch[41]-Tof[16]
Entries 366
Mean 1.216
Std Dev 0.03916
Underflow 0
Overflow 0
Integral 366

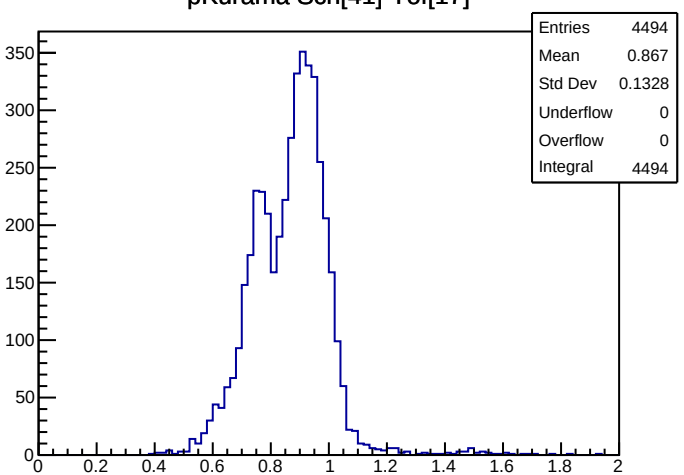

m2 Sch[41]-Tof[16]
Entries 3953
Mean 0.5675
Std Dev 0.3759
Underflow 44
Overflow 97
Integral 3812

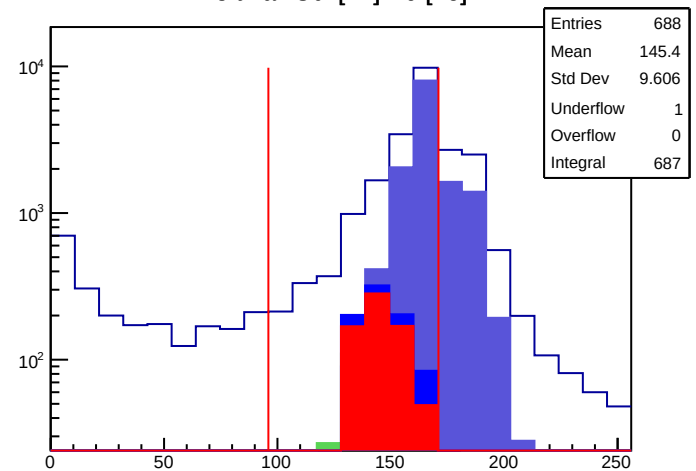

pKurama Sch[41]-Tof[16]
Entries 3953
Mean 0.7667
Std Dev 0.1595
Underflow 0
Overflow 0
Integral 3953

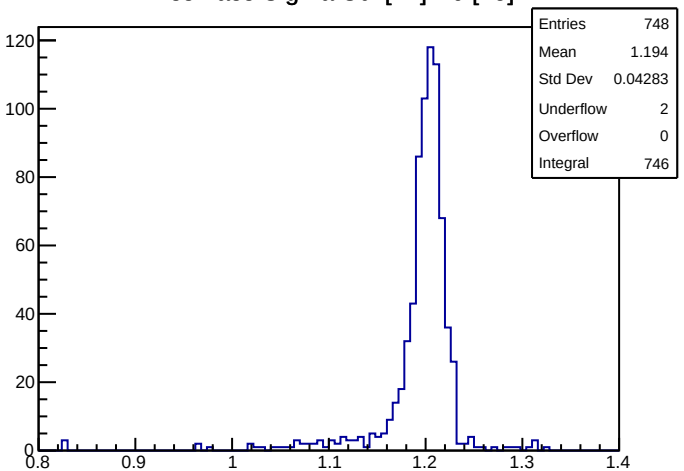

sftx all Sch[41]-Tof[17]
Entries 349
Mean 164.9
Std Dev 12.53
Underflow 1
Overflow 0
Integral 348

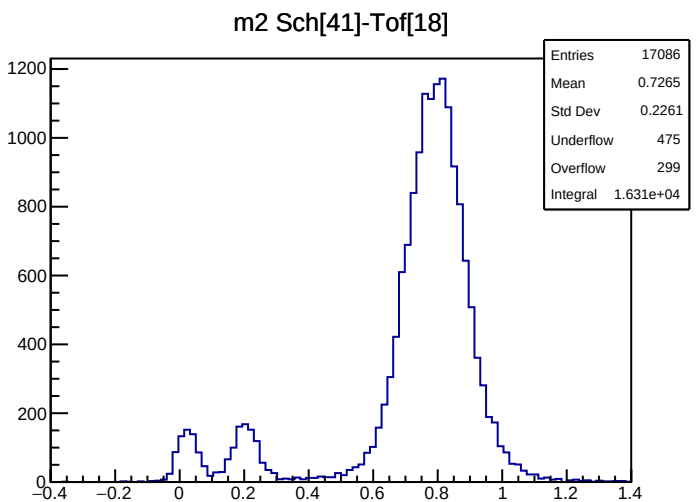

MissMass Sigma Sch[41]-Tof[17]
Entries 381
Mean 1.195
Std Dev 0.03967
Underflow 0
Overflow 0
Integral 381

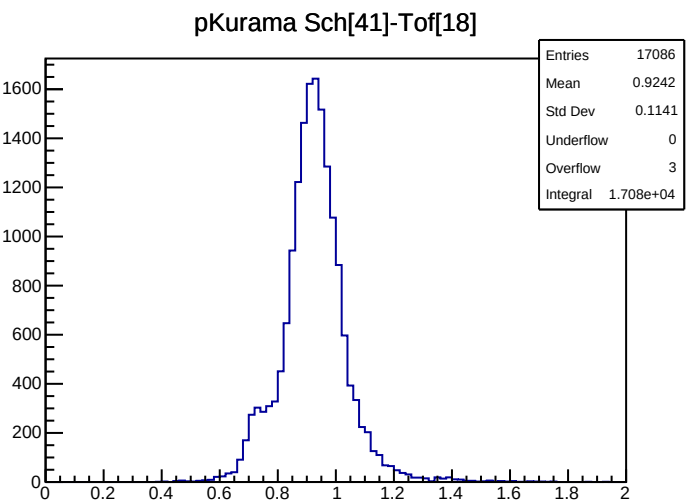

m2 Sch[41]-Tof[17]
Entries 4494
Mean 0.5292
Std Dev 0.3049
Underflow 157
Overflow 86
Integral 4251

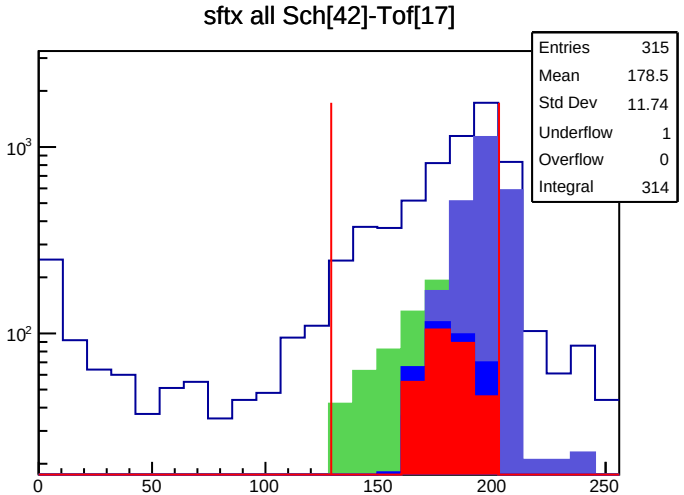

pKurama Sch[41]-Tof[17]
Entries 4494
Mean 0.867
Std Dev 0.1328
Underflow 0
Overflow 0
Integral 4494

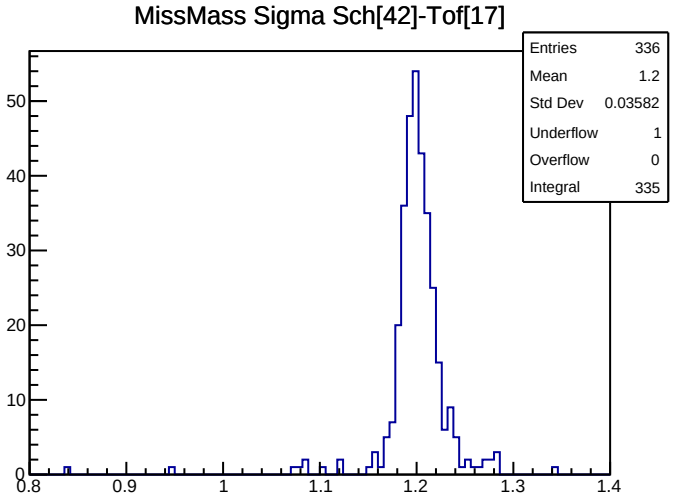

sftx all Sch[41]-Tof[18]
Entries 688
Mean 145.4
Std Dev 9.606
Underflow 1
Overflow 0
Integral 687

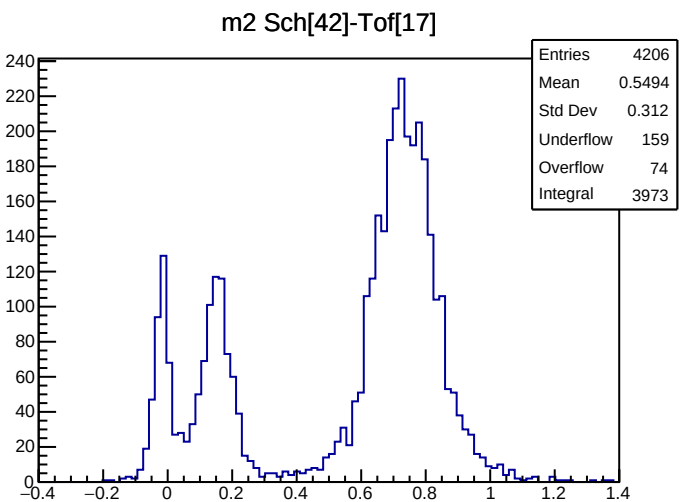

MissMass Sigma Sch[41]-Tof[18]
Entries 748
Mean 1.194
Std Dev 0.04283
Underflow 2
Overflow 0
Integral 746

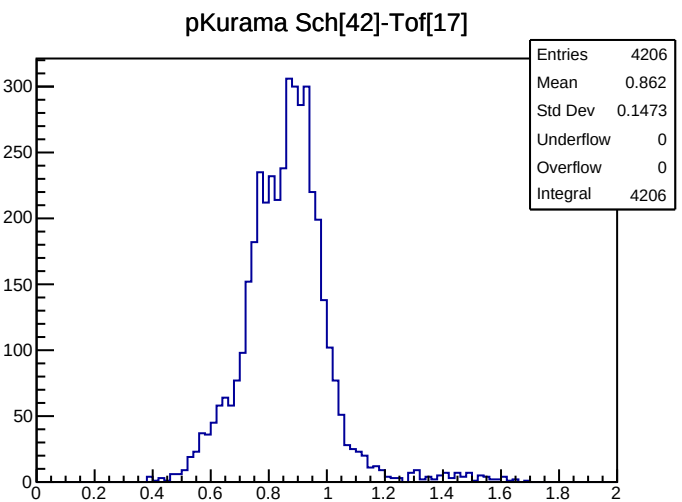

m2 Sch[41]-Tof[18]
Entries 17086
Mean 0.7265
Std Dev 0.2261
Underflow 475
Overflow 299
Integral 1.631e+04

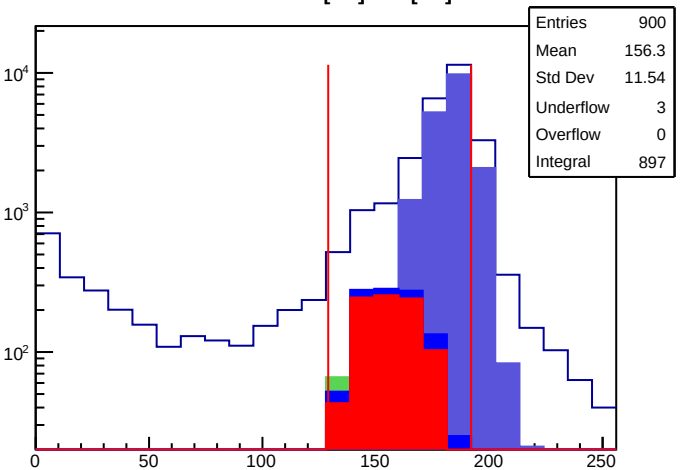

pKurama Sch[41]-Tof[18]
Entries 17086
Mean 0.9242
Std Dev 0.1141
Underflow 0
Overflow 3
Integral 1.708e+04

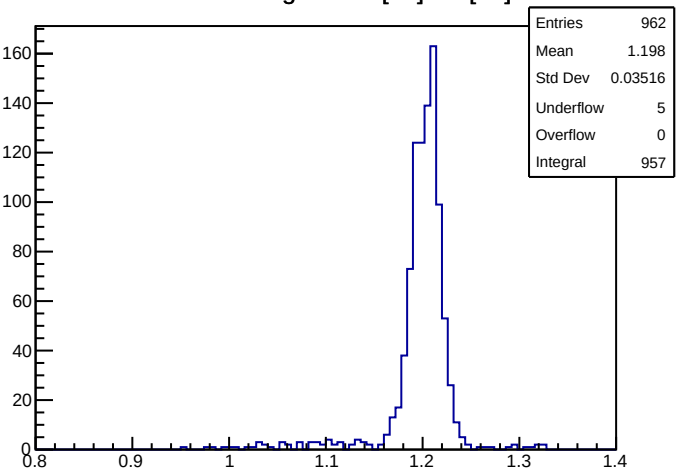

sftx all Sch[42]-Tof[17]
Entries 315
Mean 178.5
Std Dev 11.74
Underflow 1
Overflow 0
Integral 314

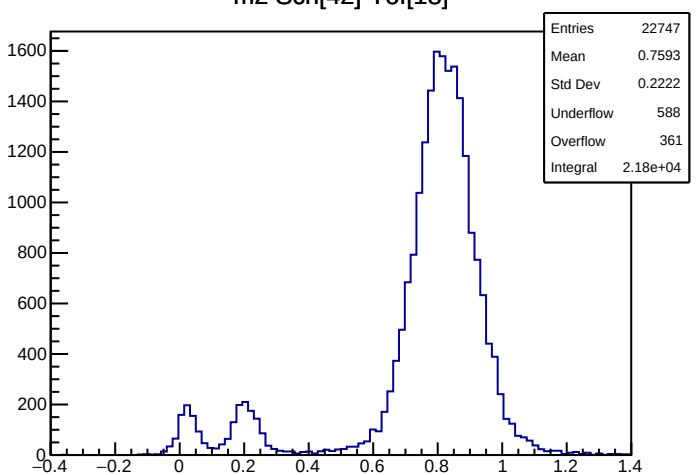

MissMass Sigma Sch[42]-Tof[17]
Entries 336
Mean 1.2
Std Dev 0.03582
Underflow 1
Overflow 0
Integral 335

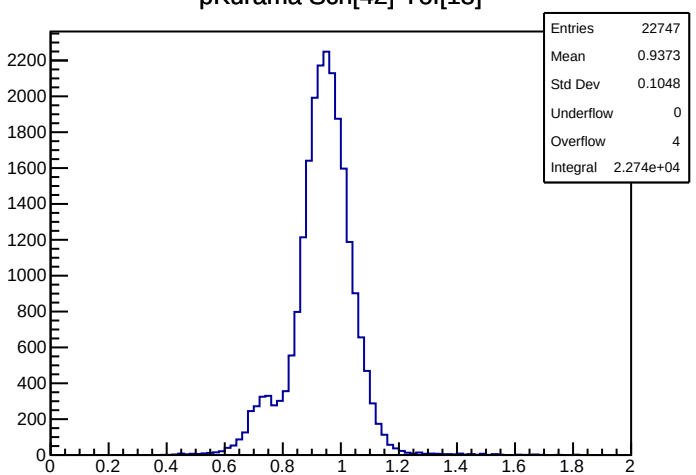

m2 Sch[42]-Tof[17]
Entries 4206
Mean 0.5494
Std Dev 0.312
Underflow 159
Overflow 74
Integral 3973

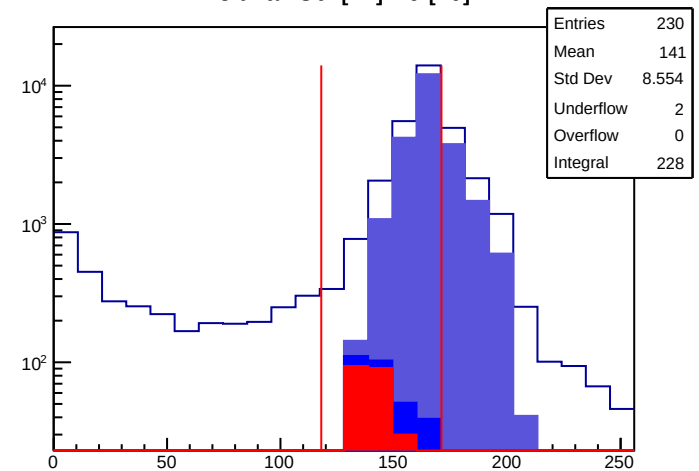

pKurama Sch[42]-Tof[17]
Entries 4206
Mean 0.862
Std Dev 0.1473
Underflow 0
Overflow 0
Integral 4206

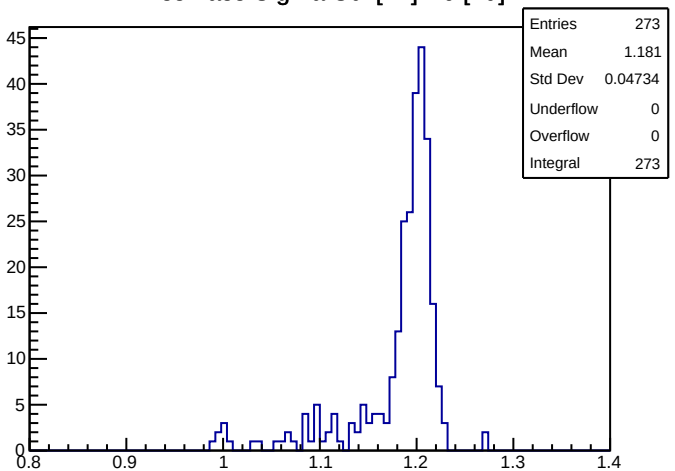

sftx all Sch[42]-Tof[18]
Entries 900
Mean 156.3
Std Dev 11.54
Underflow 3
Overflow 0
Integral 897

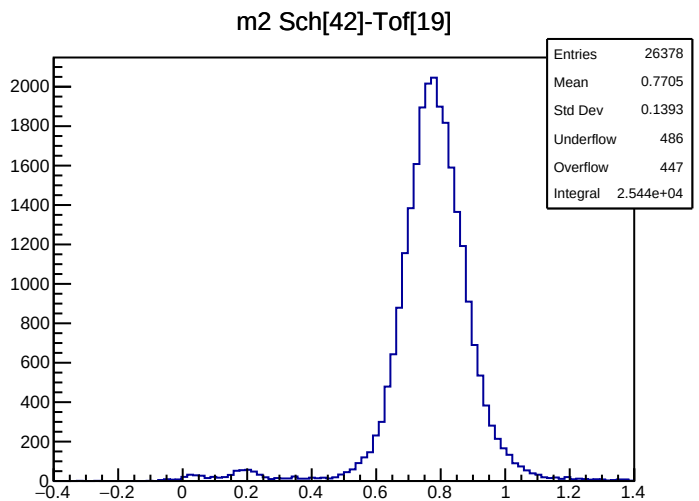

MissMass Sigma Sch[42]-Tof[18]
Entries 962
Mean 1.198
Std Dev 0.03516
Underflow 5
Overflow 0
Integral 957

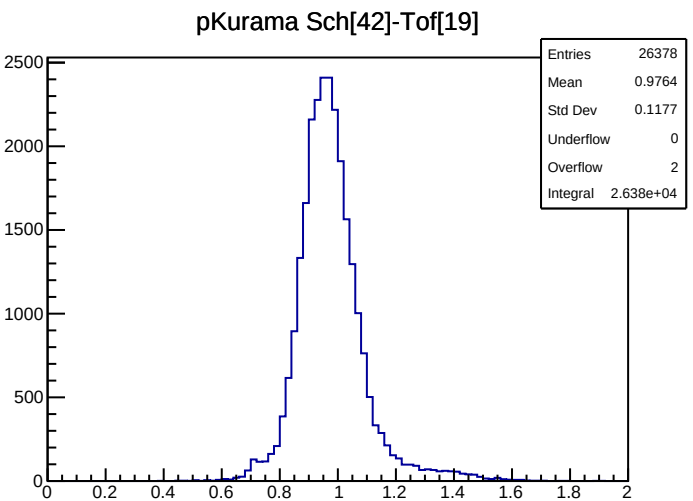

m2 Sch[42]-Tof[18]
Entries 22747
Mean 0.7593
Std Dev 0.2222
Underflow 588
Overflow 361
Integral 2.18e+04

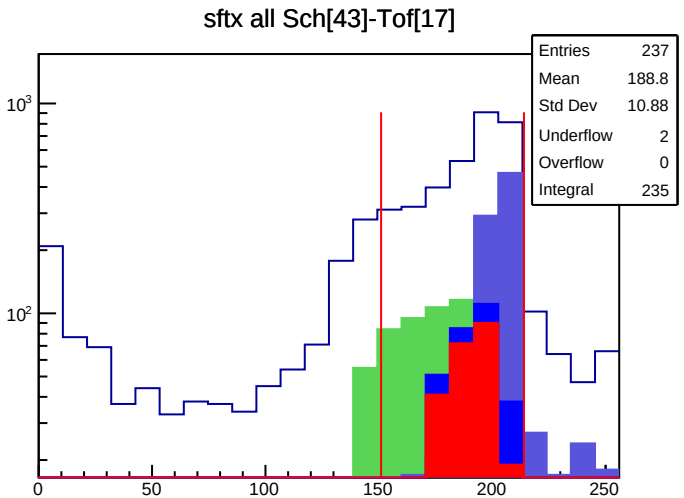

pKurama Sch[42]-Tof[18]
Entries 22747
Mean 0.9373
Std Dev 0.1048
Underflow 0
Overflow 4
Integral 2.274e+04

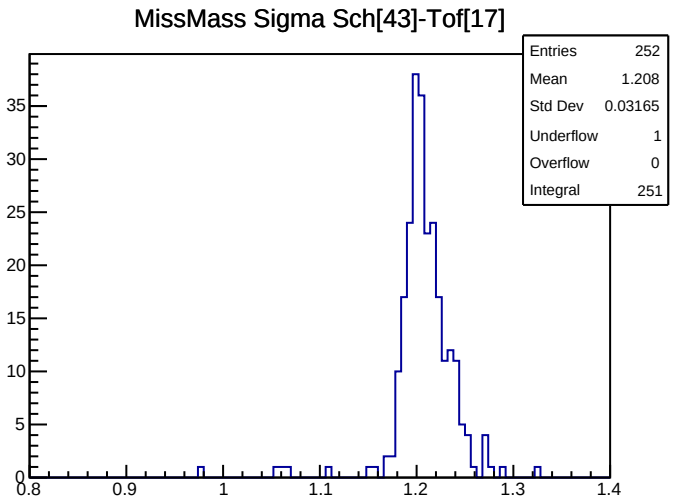

sftx all Sch[42]-Tof[19]
Entries 230
Mean 141
Std Dev 8.554
Underflow 2
Overflow 0
Integral 228

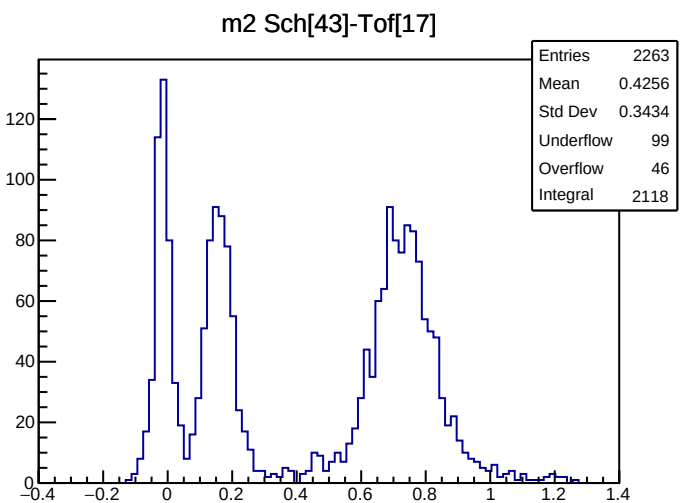

MissMass Sigma Sch[42]-Tof[19]
Entries 273
Mean 1.181
Std Dev 0.04734
Underflow 0
Overflow 0
Integral 273

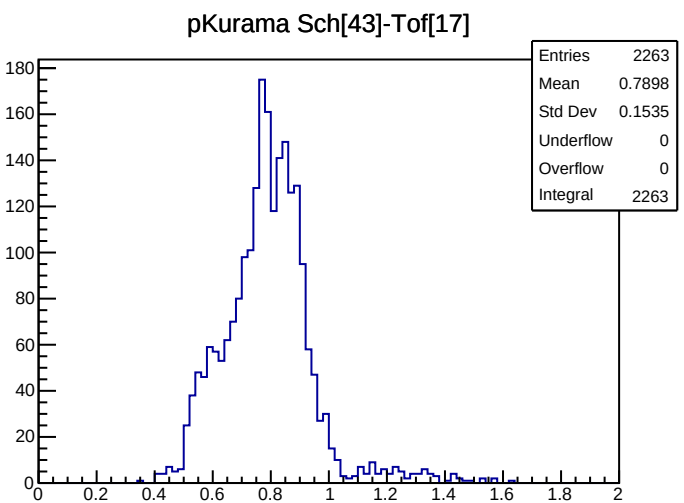

m2 Sch[42]-Tof[19]
Entries 26378
Mean 0.7705
Std Dev 0.1393
Underflow 486
Overflow 447
Integral 2.544e+04

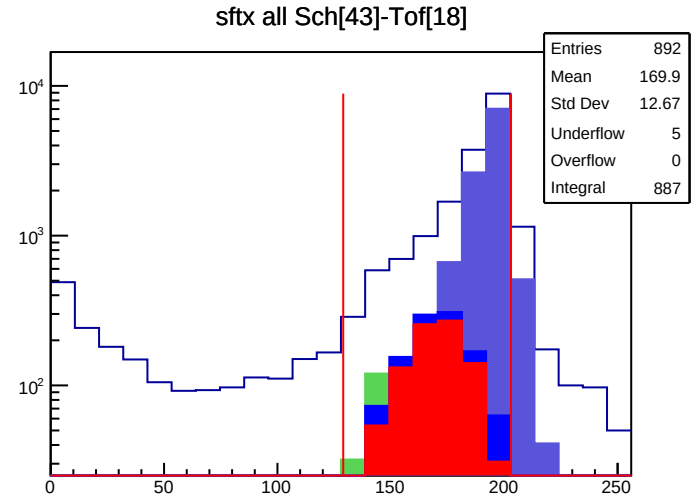

pKurama Sch[42]-Tof[19]
Entries 26378
Mean 0.9764
Std Dev 0.1177
Underflow 0
Overflow 2
Integral 2.638e+04

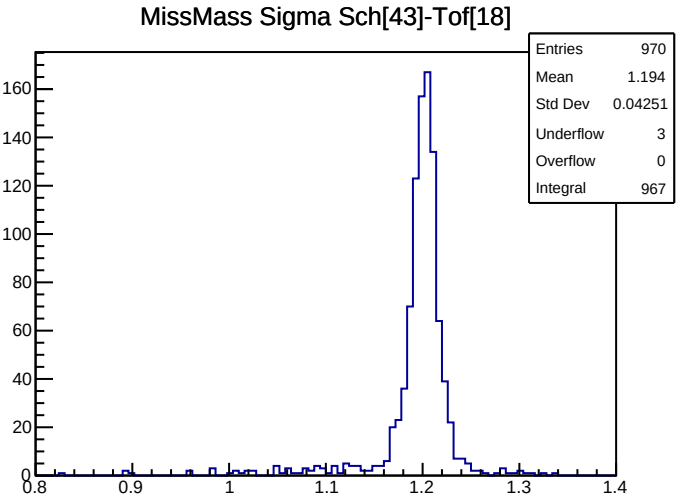

sftx all Sch[43]-Tof[17]
Entries 237
Mean 188.8
Std Dev 10.88
Underflow 2
Overflow 0
Integral 235

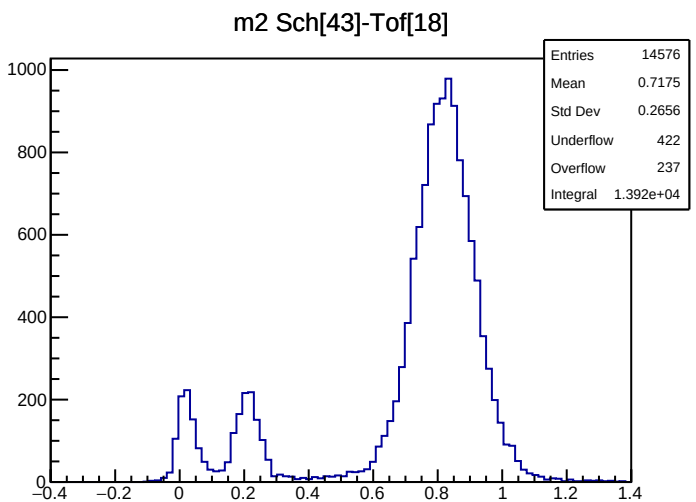

MissMass Sigma Sch[43]-Tof[17]
Entries 252
Mean 1.208
Std Dev 0.03165
Underflow 1
Overflow 0
Integral 251

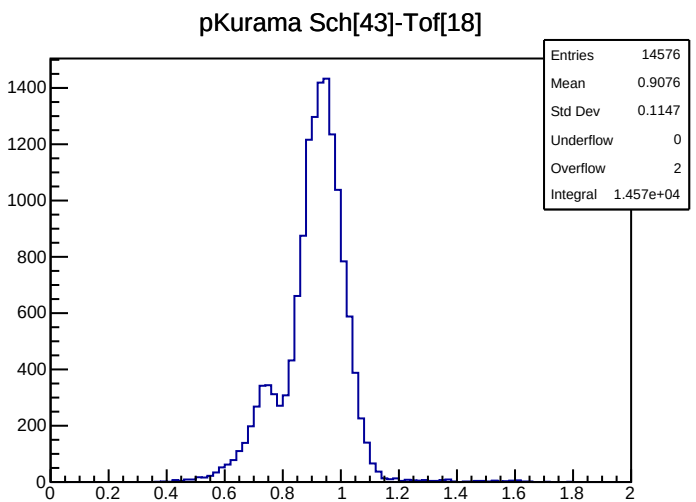

m2 Sch[43]-Tof[17]
Entries 2263
Mean 0.4256
Std Dev 0.3434
Underflow 99
Overflow 46
Integral 2118

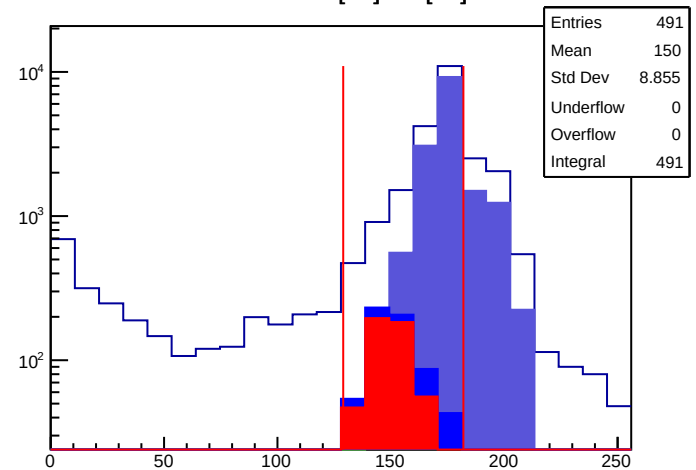

pKurama Sch[43]-Tof[17]
Entries 2263
Mean 0.7898
Std Dev 0.1535
Underflow 0
Overflow 0
Integral 2263

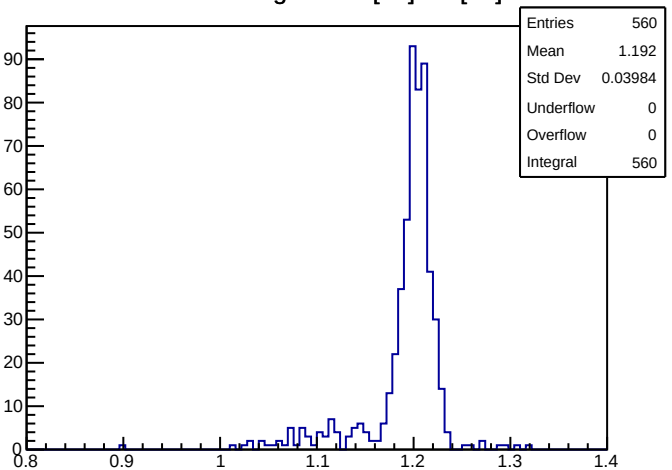

sftx all Sch[43]-Tof[18]
Entries 892
Mean 169.9
Std Dev 12.67
Underflow 5
Overflow 0
Integral 887

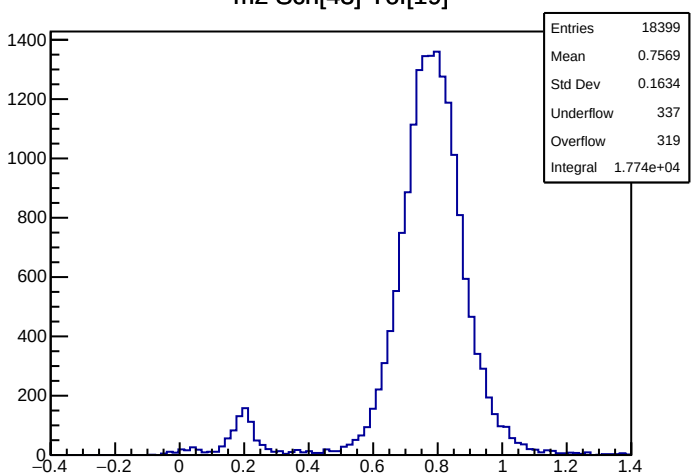

MissMass Sigma Sch[43]-Tof[18]
Entries 970
Mean 1.194
Std Dev 0.04251
Underflow 3
Overflow 0
Integral 967

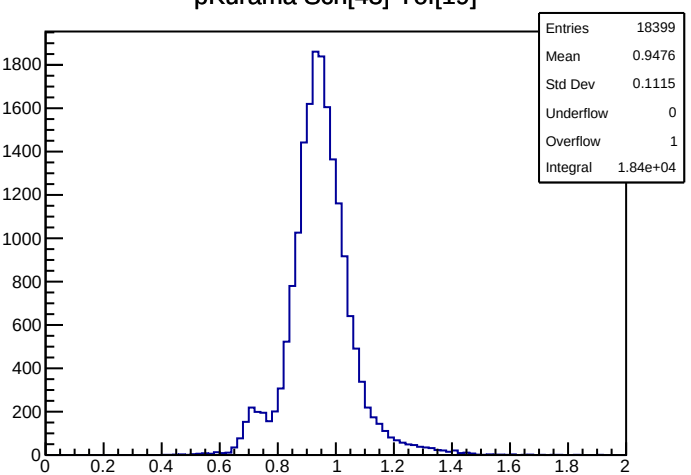

m2 Sch[43]-Tof[18]
Entries 14576
Mean 0.7175
Std Dev 0.2656
Underflow 422
Overflow 237
Integral 1.392e+04

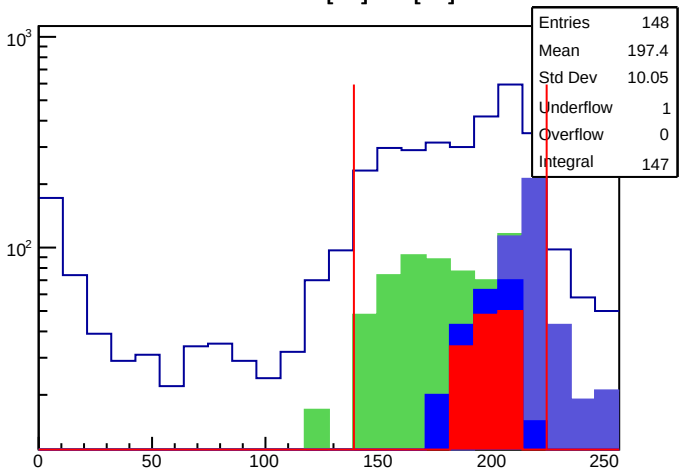

pKurama Sch[43]-Tof[18]
Entries 14576
Mean 0.9076
Std Dev 0.1147
Underflow 0
Overflow 2
Integral 1.457e+04

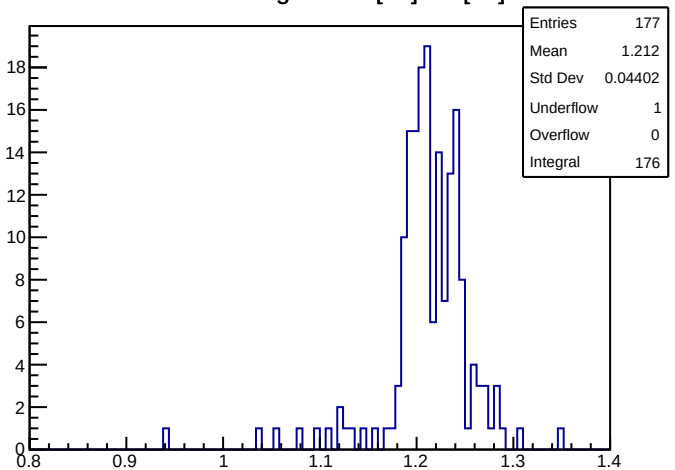

sftx all Sch[43]-Tof[19]
Entries 491
Mean 150
Std Dev 8.855
Underflow 0
Overflow 0
Integral 491

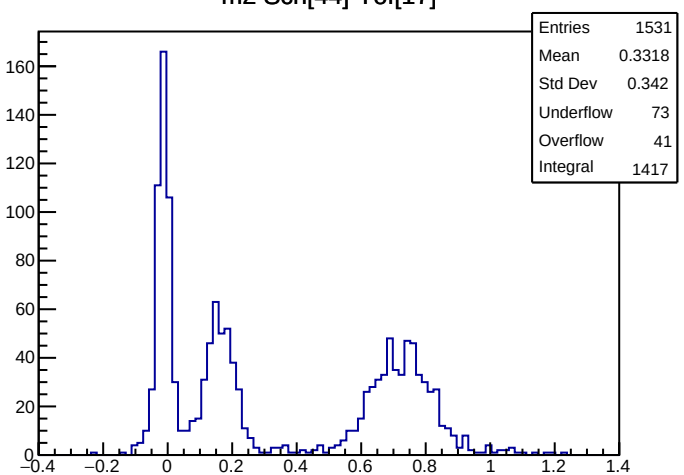

MissMass Sigma Sch[43]-Tof[19]
Entries 560
Mean 1.192
Std Dev 0.03984
Underflow 0
Overflow 0
Integral 560

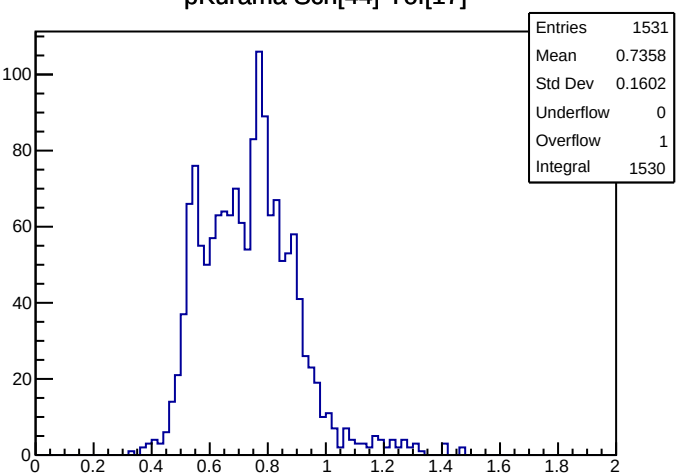

m2 Sch[43]-Tof[19]
Entries 18399
Mean 0.7569
Std Dev 0.1634
Underflow 337
Overflow 319
Integral 1.774e+04

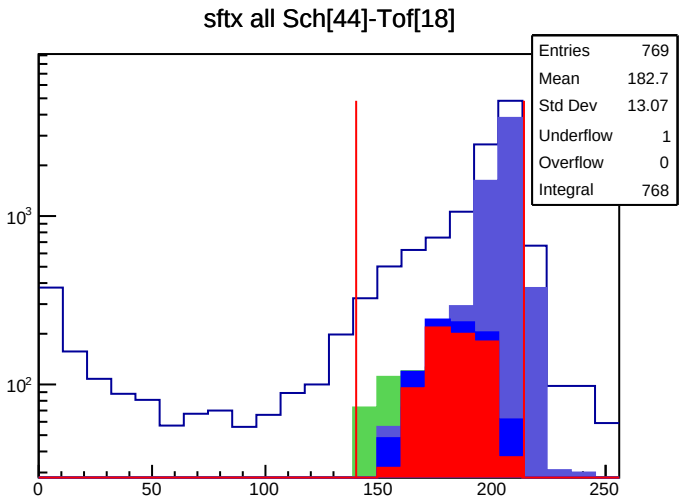

pKurama Sch[43]-Tof[19]
Entries 18399
Mean 0.9476
Std Dev 0.1115
Underflow 0
Overflow 1
Integral 1.84e+04

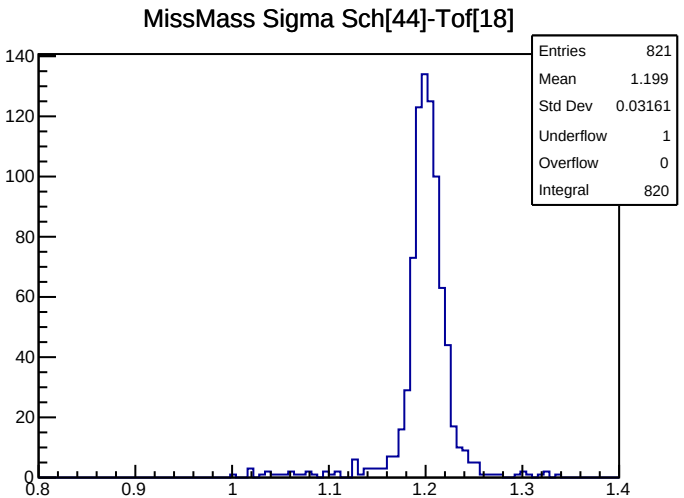

sftx all Sch[44]-Tof[17]
Entries 148
Mean 197.4
Std Dev 10.05
Underflow 1
Overflow 0
Integral 147

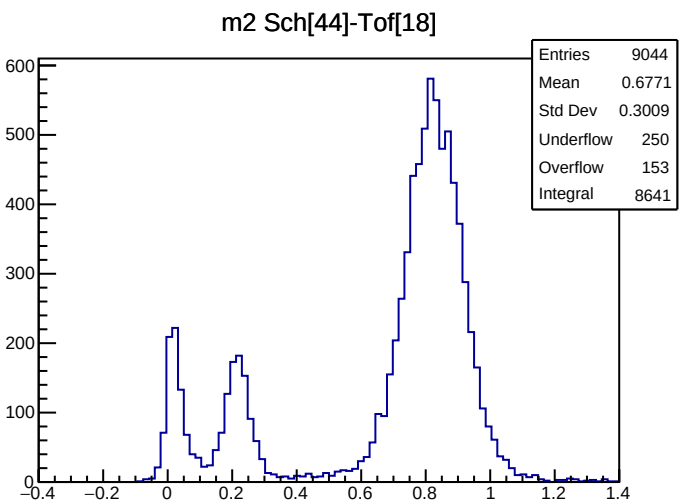

MissMass Sigma Sch[44]-Tof[17]
Entries 177
Mean 1.212
Std Dev 0.04402
Underflow 1
Overflow 0
Integral 176

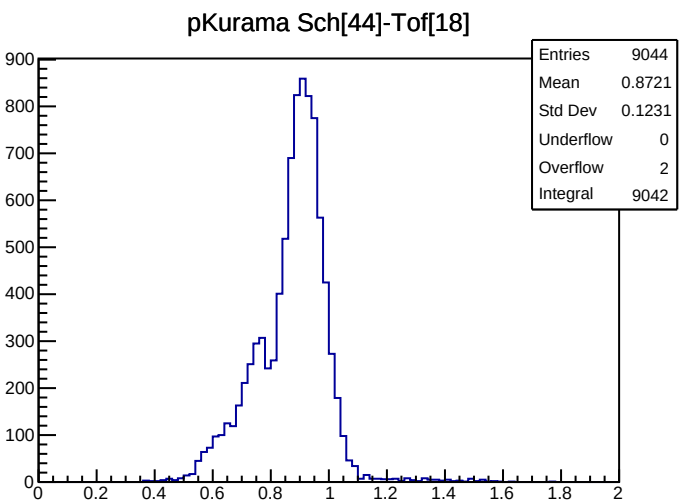

m2 Sch[44]-Tof[17]
Entries 1531
Mean 0.3318
Std Dev 0.342
Underflow 73
Overflow 41
Integral 1417

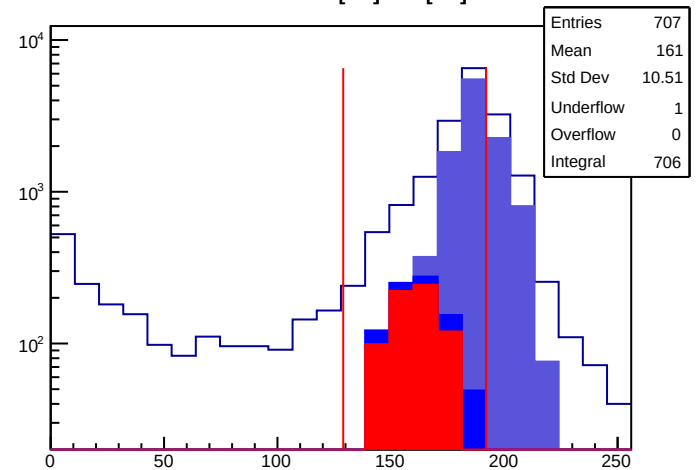

pKurama Sch[44]-Tof[17]
Entries 1531
Mean 0.7358
Std Dev 0.1602
Underflow 0
Overflow 1
Integral 1530

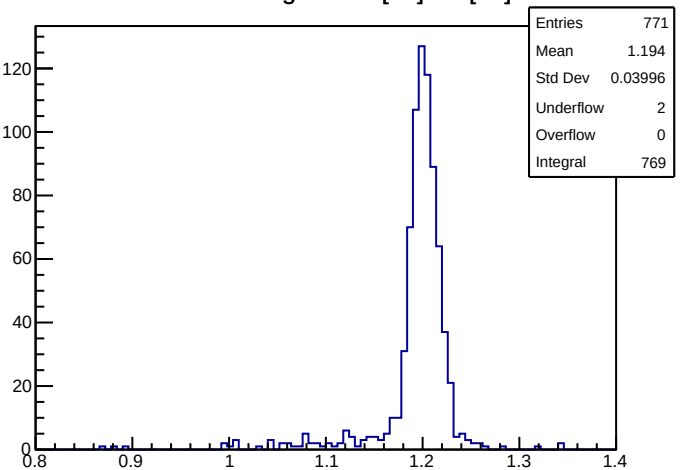

sftx all Sch[44]-Tof[18]
Entries 769
Mean 182.7
Std Dev 13.07
Underflow 1
Overflow 0
Integral 768
10^3
10^2
0
50
100
150
200
250

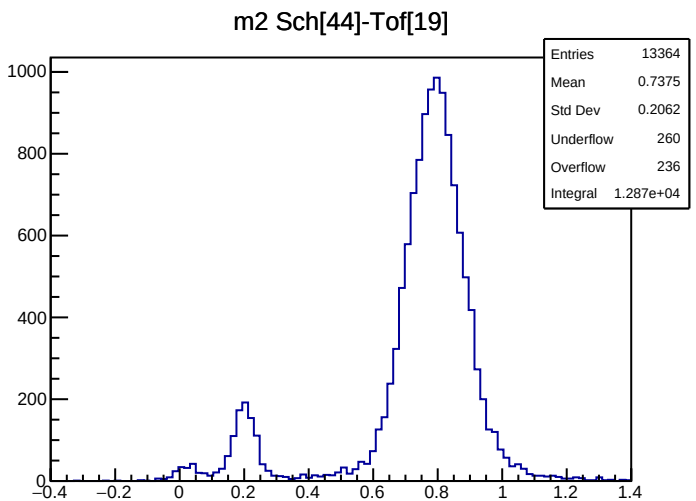

MissMass Sigma Sch[44]-Tof[18]
Entries 821
Mean 1.199
Std Dev 0.03161
Underflow 1
Overflow 0
Integral 820
140
120
100
80
60
40
20
0
0.8
0.9
1
1.1
1.2
1.3
1.4

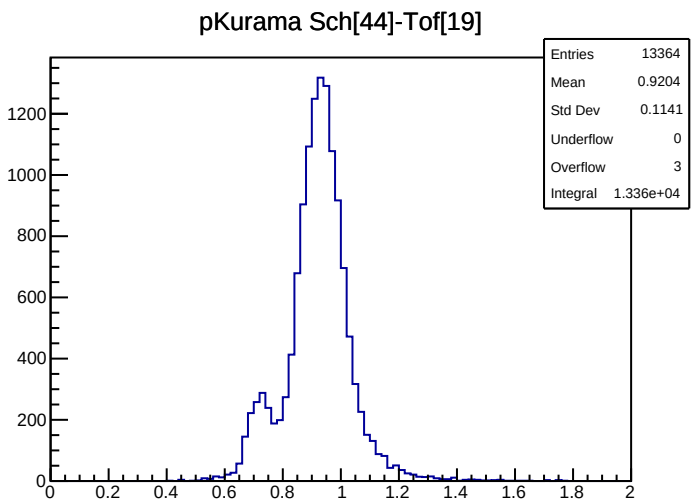

m2 Sch[44]-Tof[18]
Entries 9044
Mean 0.6771
Std Dev 0.3009
Underflow 250
Overflow 153
Integral 8641
600
500
400
300
200
100
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

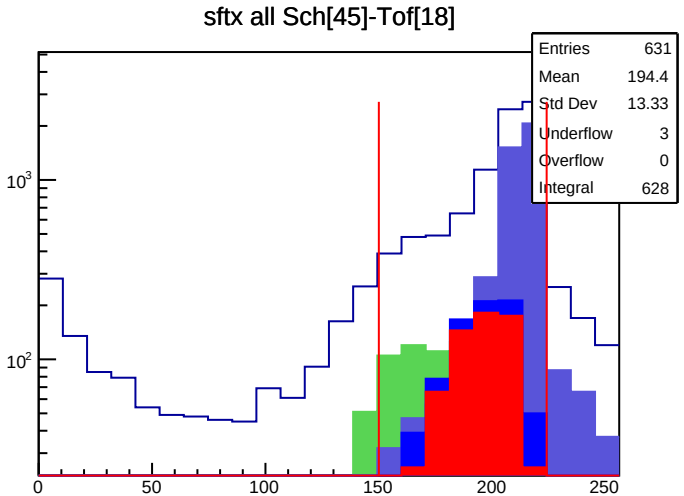

pKurama Sch[44]-Tof[18]
Entries 9044
Mean 0.8721
Std Dev 0.1231
Underflow 0
Overflow 2
Integral 9042
900
800
700
600
500
400
300
200
100
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

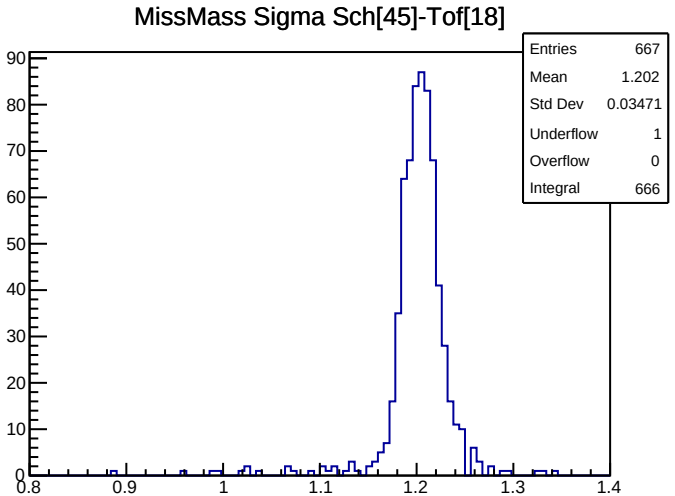

sftx all Sch[44]-Tof[19]
Entries 707
Mean 161
Std Dev 10.51
Underflow 1
Overflow 0
Integral 706

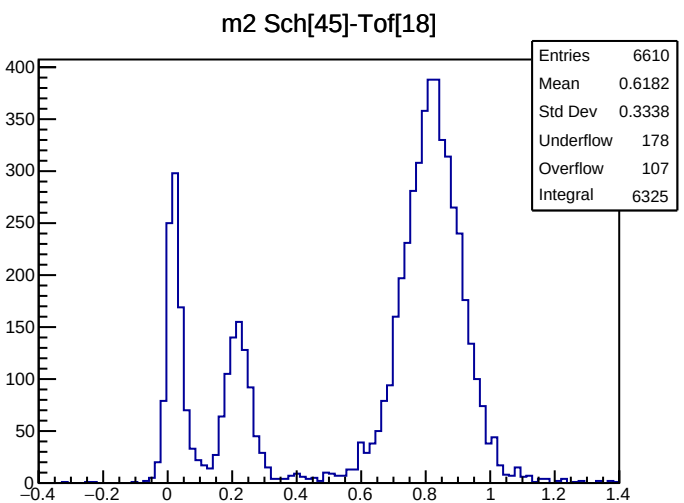

MissMass Sigma Sch[44]-Tof[19]
Entries 771
Mean 1.194
Std Dev 0.03996
Underflow 2
Overflow 0
Integral 769

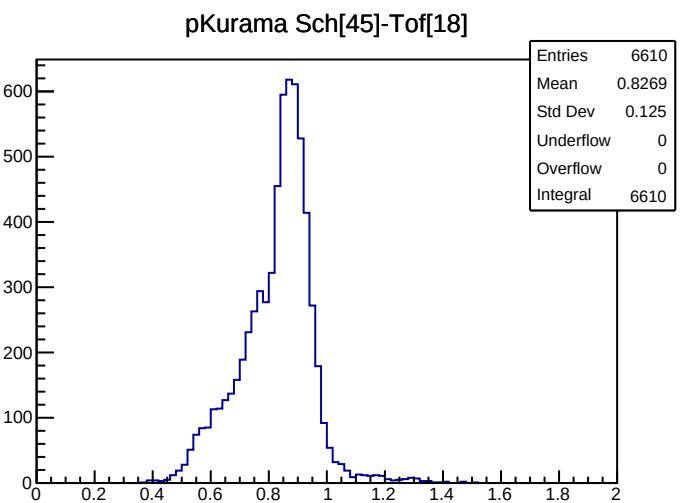

m2 Sch[44]-Tof[19]
Entries 13364
Mean 0.7375
Std Dev 0.2062
Underflow 260
Overflow 236
Integral 1.287e+04

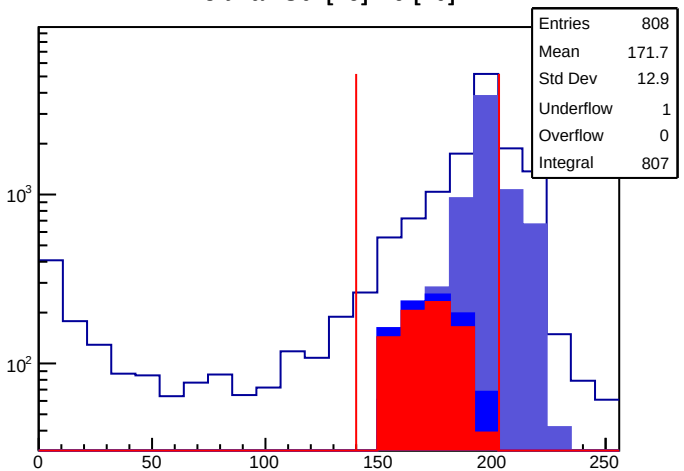

pKurama Sch[44]-Tof[19]
Entries 13364
Mean 0.9204
Std Dev 0.1141
Underflow 0
Overflow 3
Integral 1.336e+04

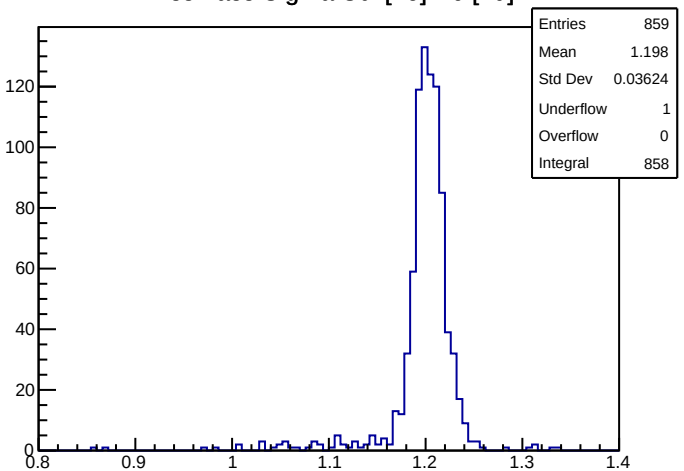

sftx all Sch[45]-Tof[18]
Entries 631
Mean 194.4
Std Dev 13.33
Underflow 3
Overflow 0
Integral 628
10^3
10^2
0
50
100
150
200
250

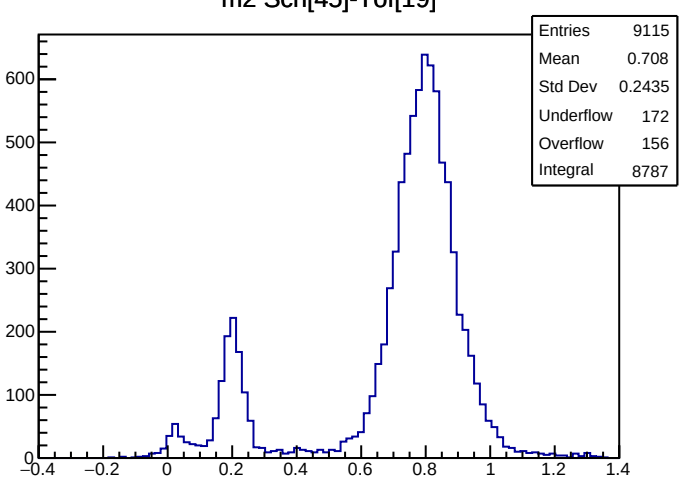

MissMass Sigma Sch[45]-Tof[18]
Entries 667
Mean 1.202
Std Dev 0.03471
Underflow 1
Overflow 0
Integral 666
90
80
70
60
50
40
30
20
10
0
0.8
0.9
1
1.1
1.2
1.3
1.4

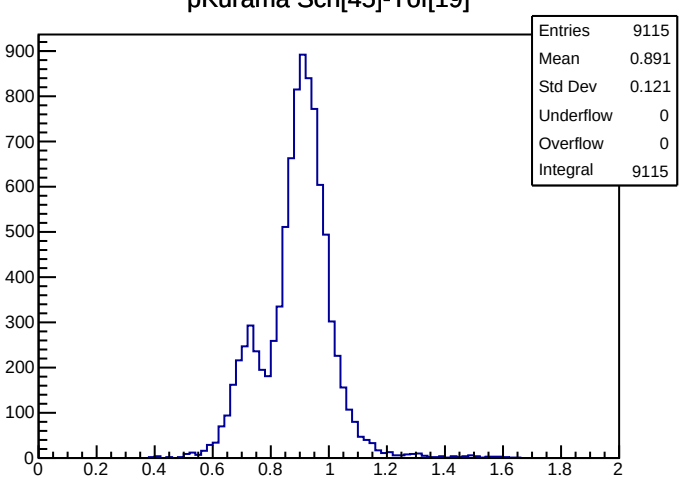

m2 Sch[45]-Tof[18]
Entries 6610
Mean 0.6182
Std Dev 0.3338
Underflow 178
Overflow 107
Integral 6325
400
350
300
250
200
150
100
50
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

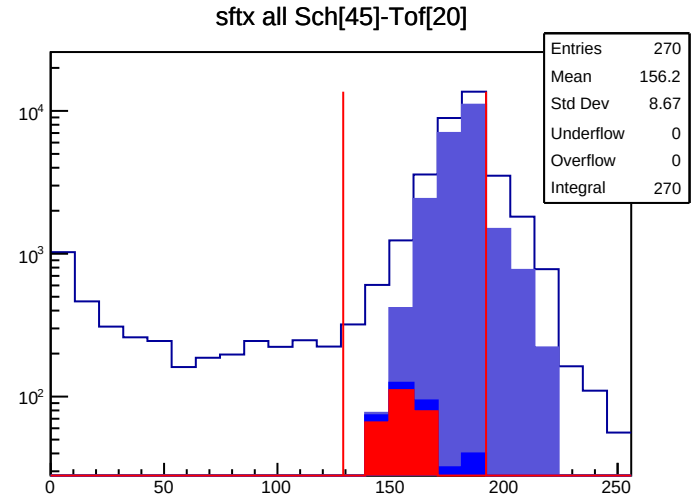

pKurama Sch[45]-Tof[18]
Entries 6610
Mean 0.8269
Std Dev 0.125
Underflow 0
Overflow 0
Integral 6610
600
500
400
300
200
100
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

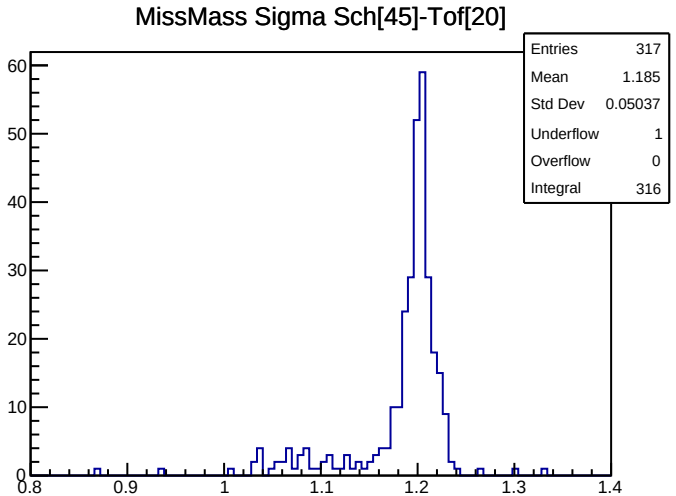

sftx all Sch[45]-Tof[19]
Entries 808
Mean 171.7
Std Dev 12.9
Underflow 1
Overflow 0
Integral 807
10^3
10^2
0 50 100 150 200 250

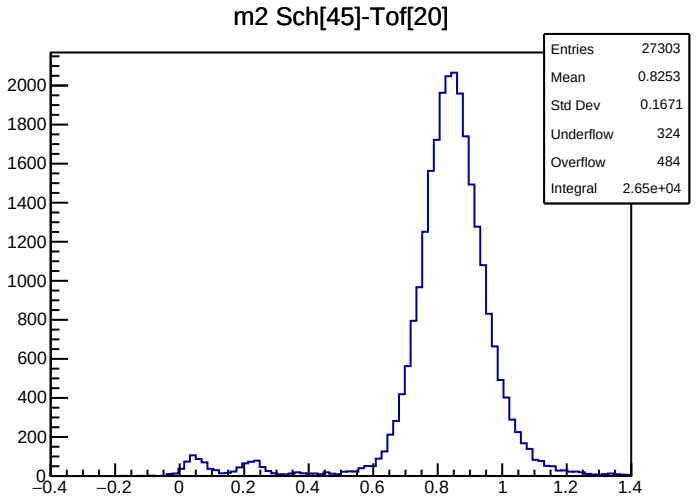

MissMass Sigma Sch[45]-Tof[19]
Entries 859
Mean 1.198
Std Dev 0.03624
Underflow 1
Overflow 0
Integral 858
0 20 40 60 80 100 120
0.8 0.9 1 1.1 1.2 1.3 1.4

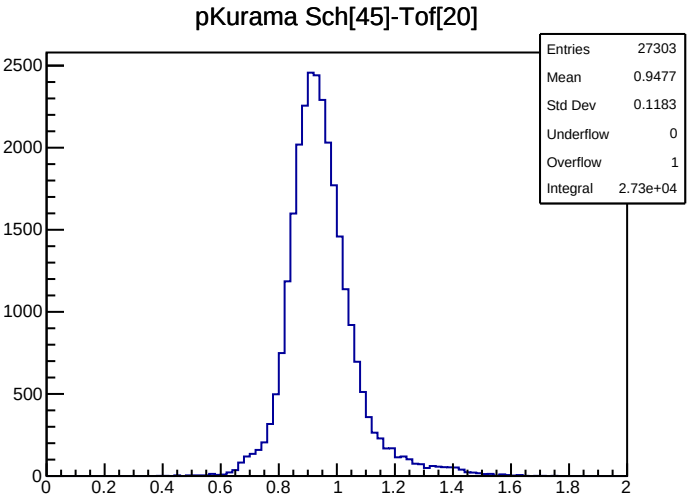

m2 Sch[45]-Tof[19]
Entries 9115
Mean 0.708
Std Dev 0.2435
Underflow 172
Overflow 156
Integral 8787
0 100 200 300 400 500 600
−0.4 −0.2 0 0.2 0.4 0.6 0.8 1 1.2 1.4

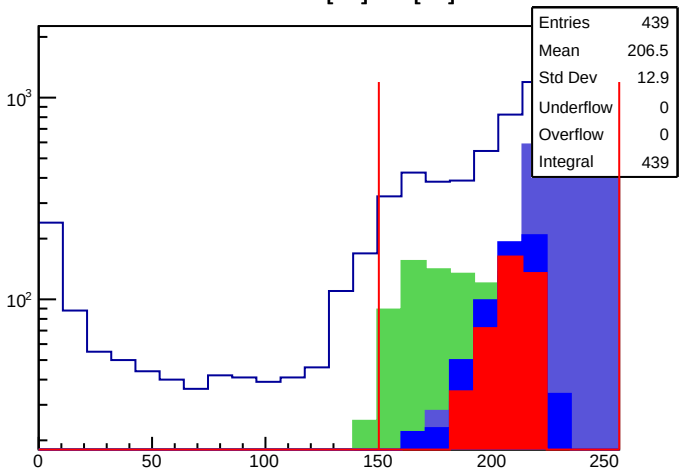

pKurama Sch[45]-Tof[19]
Entries 9115
Mean 0.891
Std Dev 0.121
Underflow 0
Overflow 0
Integral 9115
0 100 200 300 400 500 600 700 800 900
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

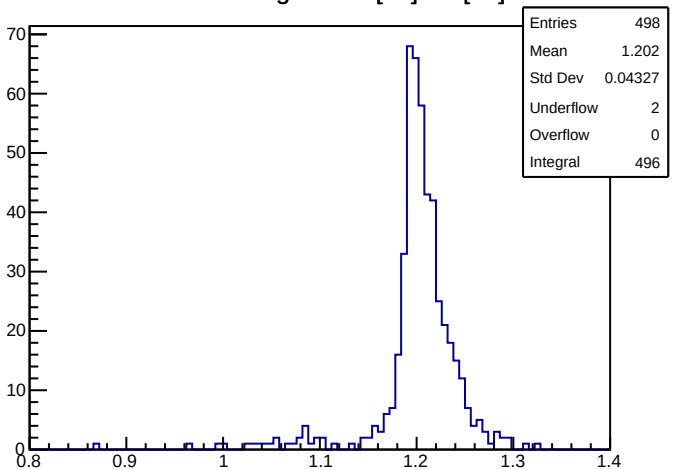

sftx all Sch[45]-Tof[20]
Entries 270
Mean 156.2
Std Dev 8.67
Underflow 0
Overflow 0
Integral 270

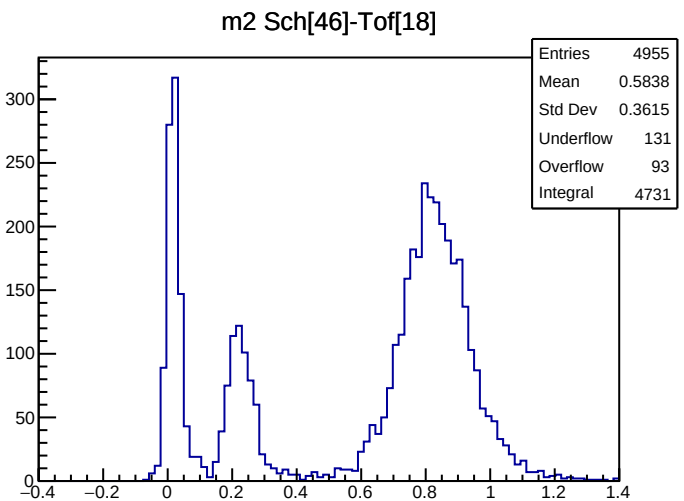

MissMass Sigma Sch[45]-Tof[20]
Entries 317
Mean 1.185
Std Dev 0.05037
Underflow 1
Overflow 0
Integral 316

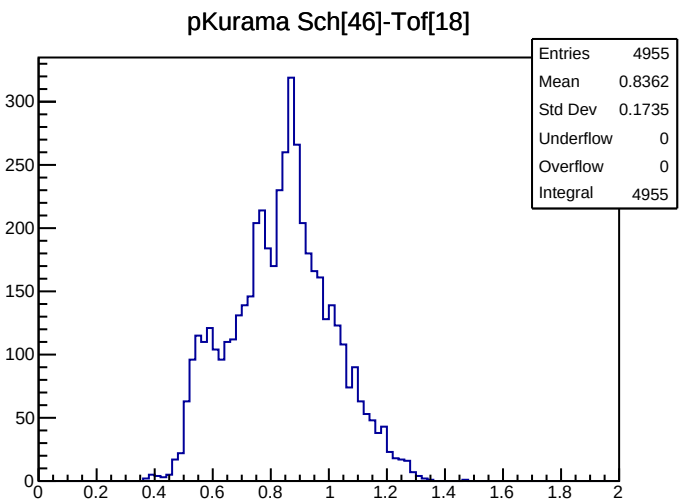

m2 Sch[45]-Tof[20]
Entries 27303
Mean 0.8253
Std Dev 0.1671
Underflow 324
Overflow 484
Integral 2.65e+04

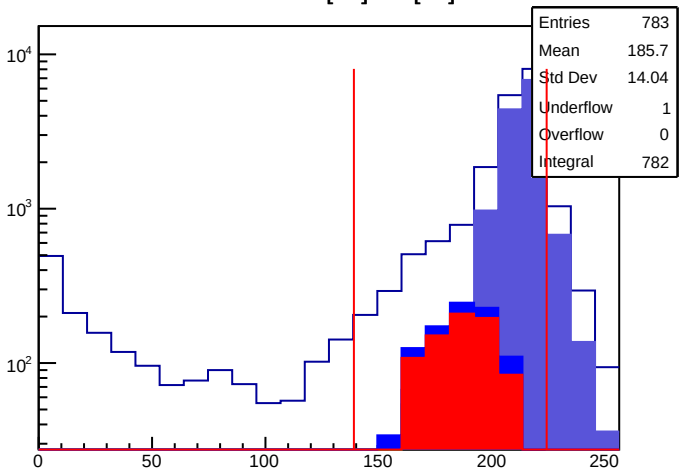

pKurama Sch[45]-Tof[20]
Entries 27303
Mean 0.9477
Std Dev 0.1183
Underflow 0
Overflow 1
Integral 2.73e+04

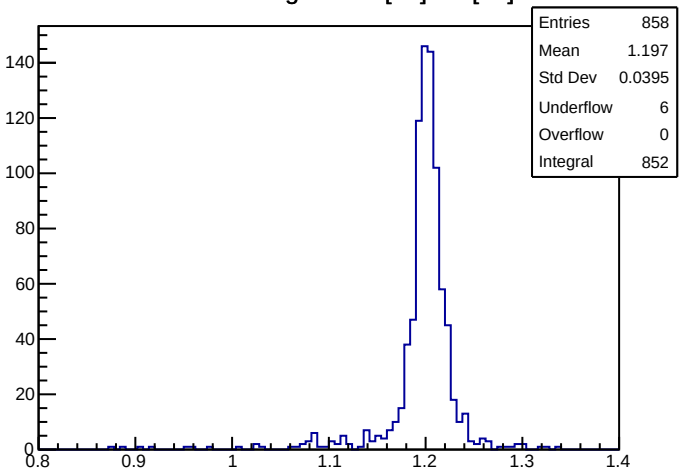

sftx all Sch[46]-Tof[18]
Entries 439
Mean 206.5
Std Dev 12.9
Underflow 0
Overflow 0
Integral 439

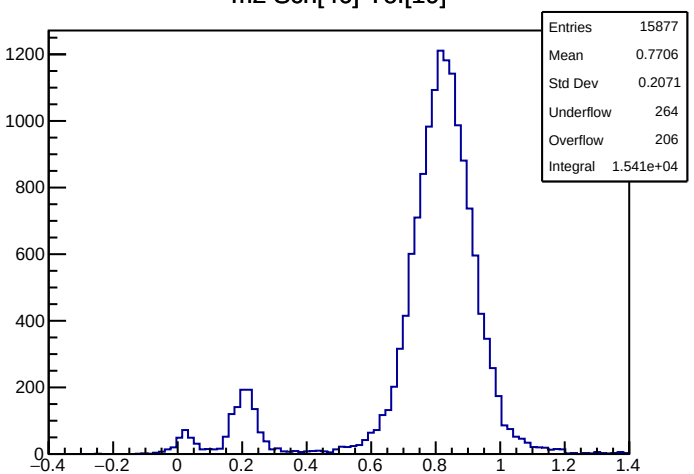

MissMass Sigma Sch[46]-Tof[18]
Entries 498
Mean 1.202
Std Dev 0.04327
Underflow 2
Overflow 0
Integral 496

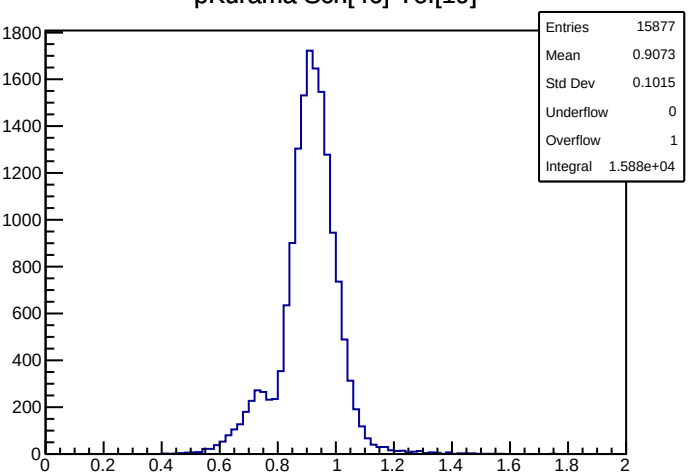

m2 Sch[46]-Tof[18]
Entries 4955
Mean 0.5838
Std Dev 0.3615
Underflow 131
Overflow 93
Integral 4731

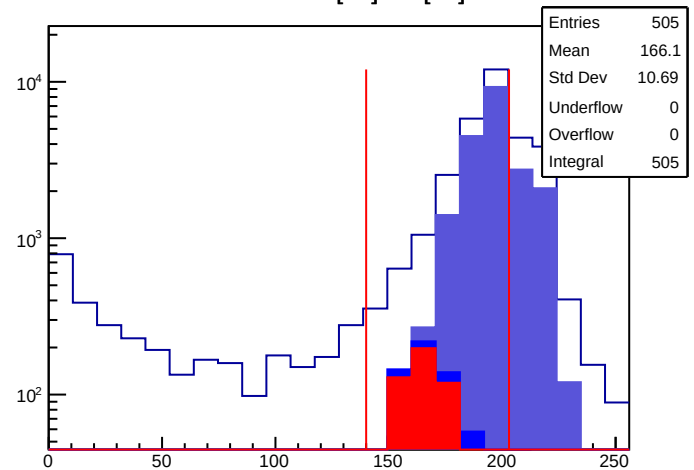

pKurama Sch[46]-Tof[18]
Entries 4955
Mean 0.8362
Std Dev 0.1735
Underflow 0
Overflow 0
Integral 4955

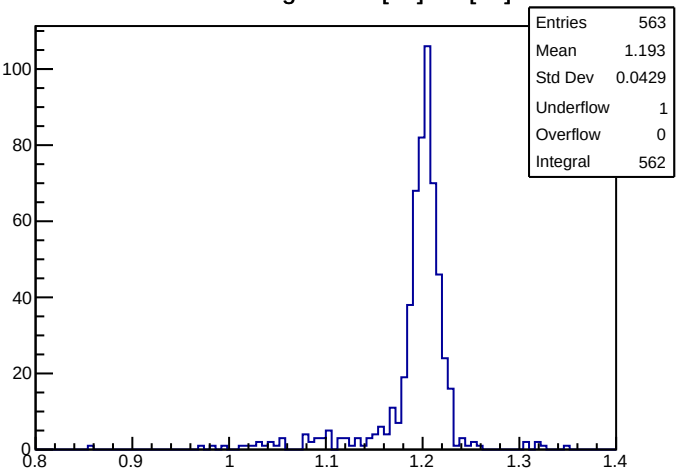

sftx all Sch[46]-Tof[19]
Entries 783
Mean 185.7
Std Dev 14.04
Underflow 1
Overflow 0
Integral 782

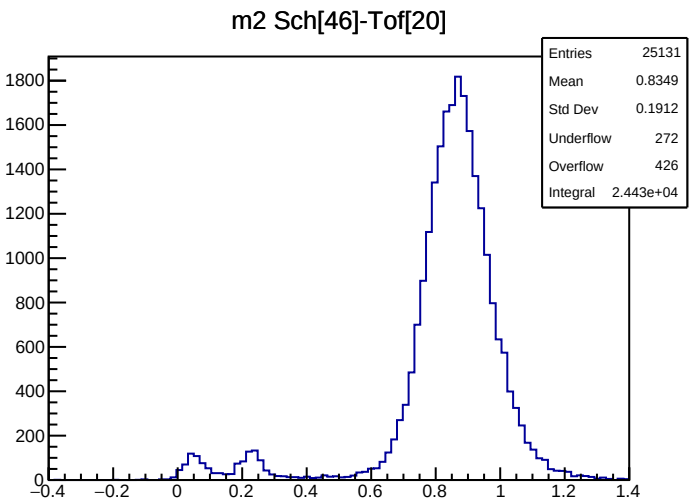

MissMass Sigma Sch[46]-Tof[19]
Entries 858
Mean 1.197
Std Dev 0.0395
Underflow 6
Overflow 0
Integral 852

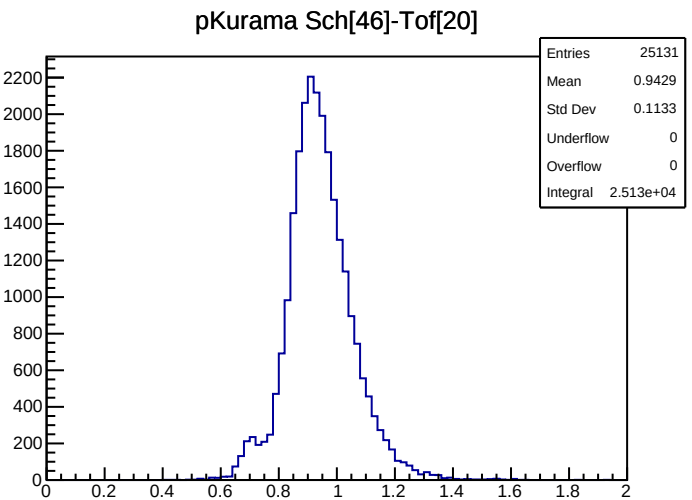

m2 Sch[46]-Tof[19]
Entries 15877
Mean 0.7706
Std Dev 0.2071
Underflow 264
Overflow 206
Integral 1.541e+04

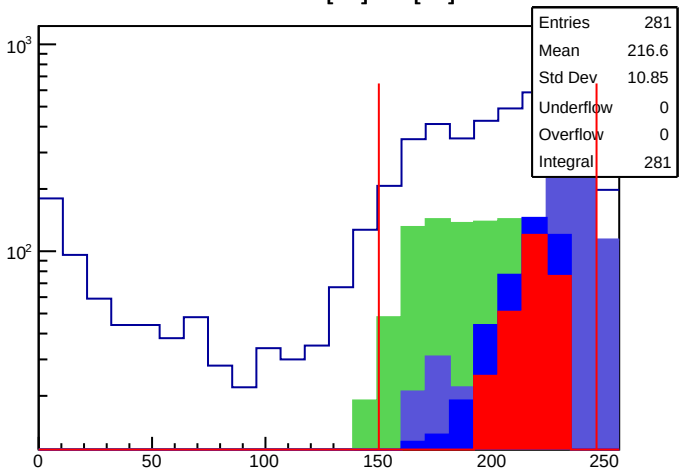

pKurama Sch[46]-Tof[19]
Entries 15877
Mean 0.9073
Std Dev 0.1015
Underflow 0
Overflow 1
Integral 1.588e+04

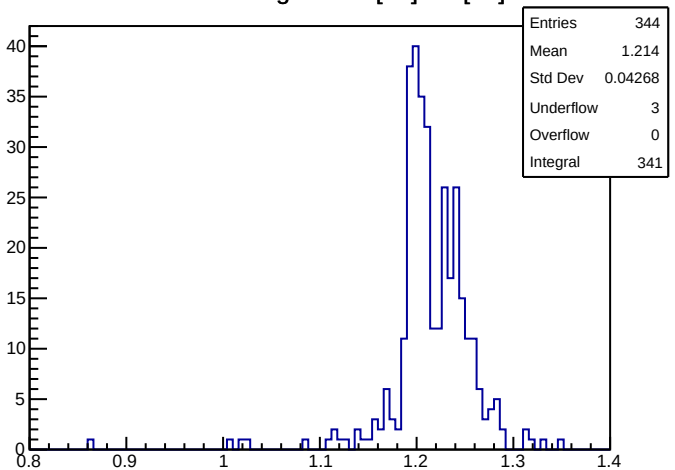

sftx all Sch[46]-Tof[20]
Entries 505
Mean 166.1
Std Dev 10.69
Underflow 0
Overflow 0
Integral 505

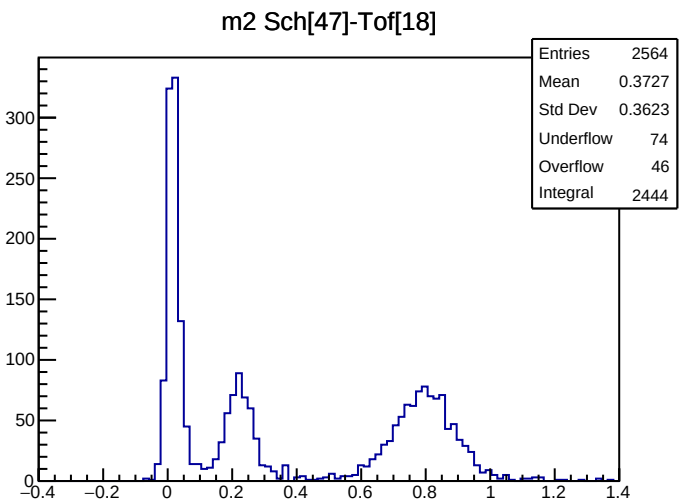

MissMass Sigma Sch[46]-Tof[20]
Entries 563
Mean 1.193
Std Dev 0.0429
Underflow 1
Overflow 0
Integral 562

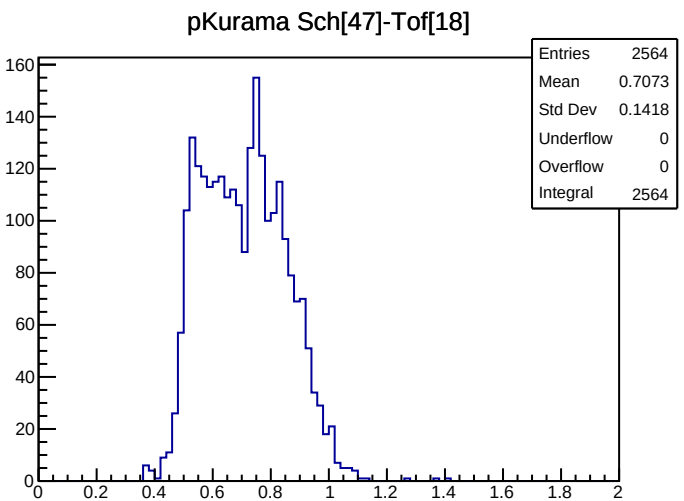

m2 Sch[46]-Tof[20]
Entries 25131
Mean 0.8349
Std Dev 0.1912
Underflow 272
Overflow 426
Integral 2.443e+04

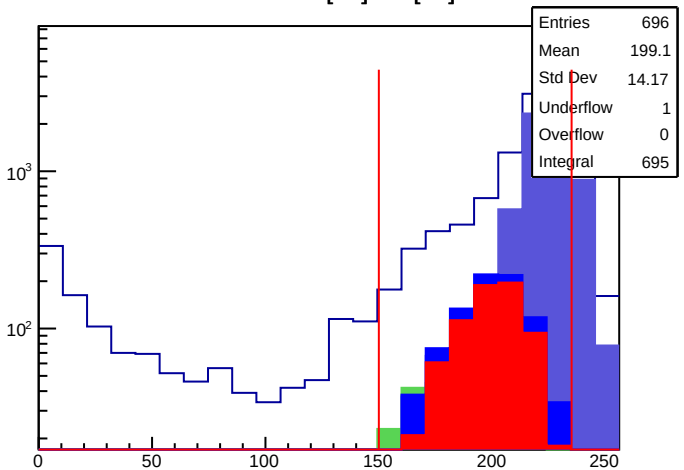

pKurama Sch[46]-Tof[20]
Entries 25131
Mean 0.9429
Std Dev 0.1133
Underflow 0
Overflow 0
Integral 2.513e+04

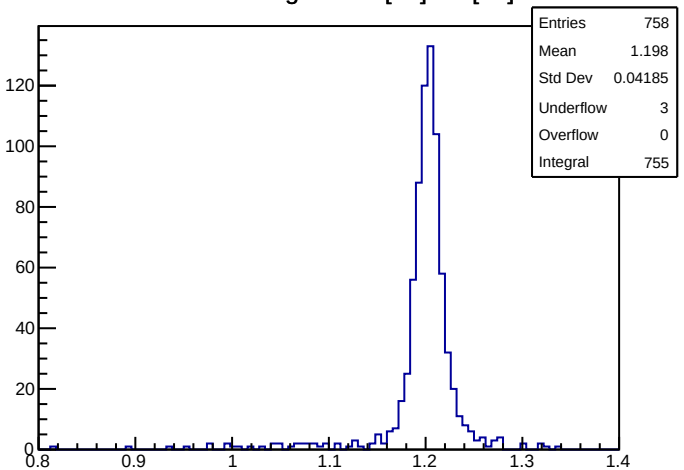

sftx all Sch[47]-Tof[18]
Entries 281
Mean 216.6
Std Dev 10.85
Underflow 0
Overflow 0
Integral 281

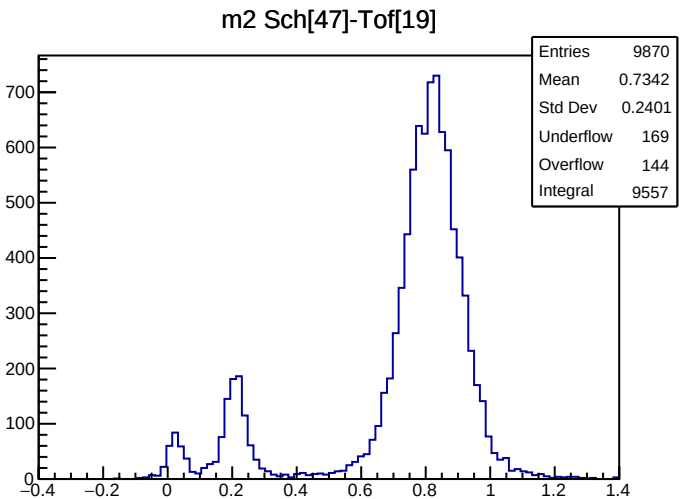

MissMass Sigma Sch[47]-Tof[18]
Entries 344
Mean 1.214
Std Dev 0.04268
Underflow 3
Overflow 0
Integral 341

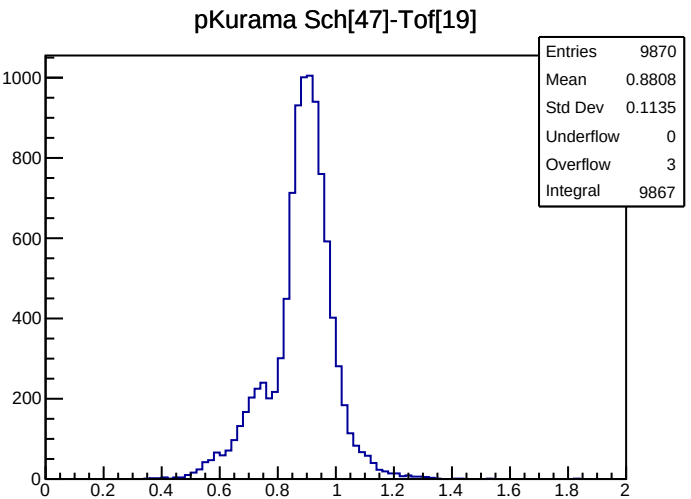

m2 Sch[47]-Tof[18]
Entries 2564
Mean 0.3727
Std Dev 0.3623
Underflow 74
Overflow 46
Integral 2444

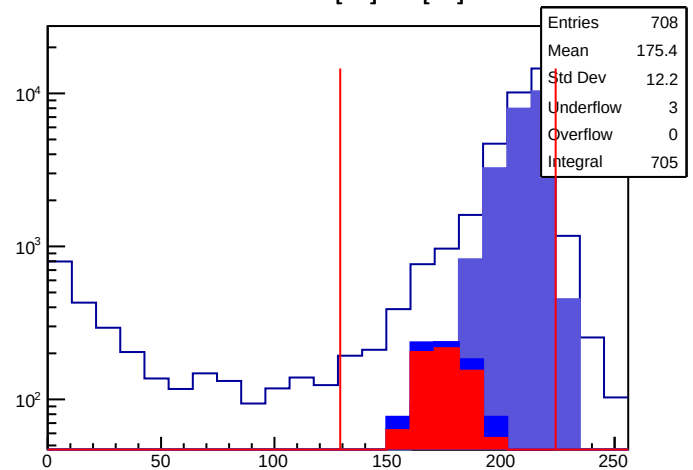

pKurama Sch[47]-Tof[18]
Entries 2564
Mean 0.7073
Std Dev 0.1418
Underflow 0
Overflow 0
Integral 2564

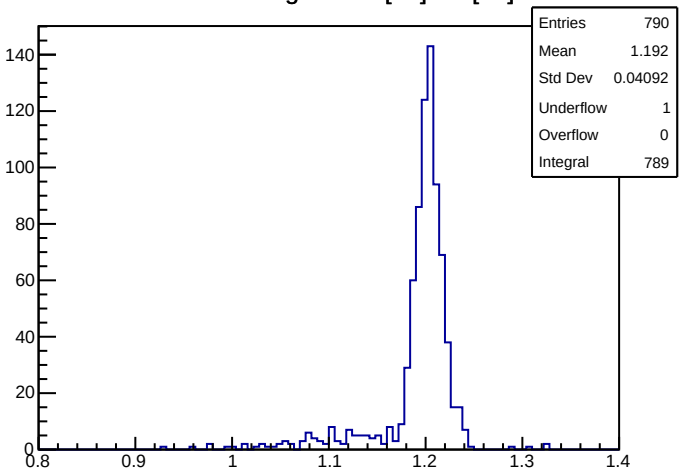

sftx all Sch[47]-Tof[19]
Entries 696
Mean 199.1
Std Dev 14.17
Underflow 1
Overflow 0
Integral 695
10^3
10^2
0
50
100
150
200
250

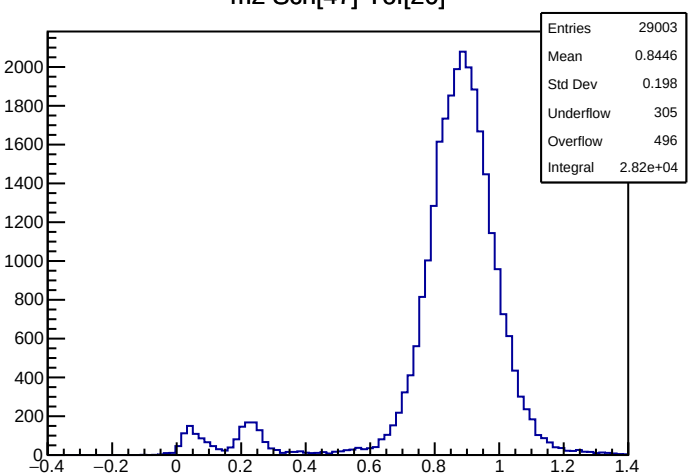

MissMass Sigma Sch[47]-Tof[19]
Entries 758
Mean 1.198
Std Dev 0.04185
Underflow 3
Overflow 0
Integral 755
120
100
80
60
40
20
0
0.8
0.9
1
1.1
1.2
1.3
1.4

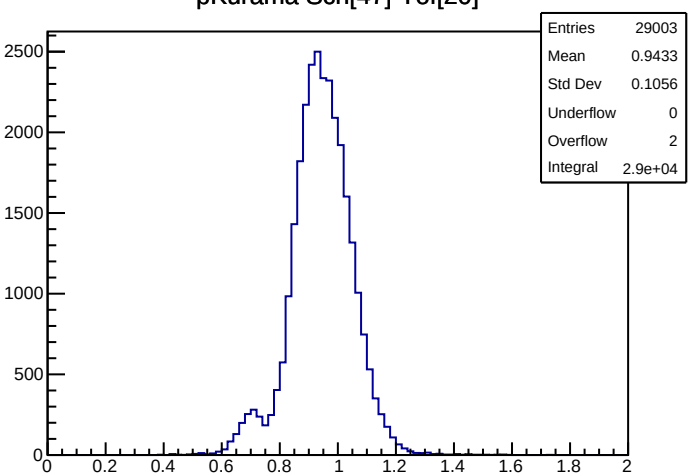

m2 Sch[47]-Tof[19]
Entries 9870
Mean 0.7342
Std Dev 0.2401
Underflow 169
Overflow 144
Integral 9557
700
600
500
400
300
200
100
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

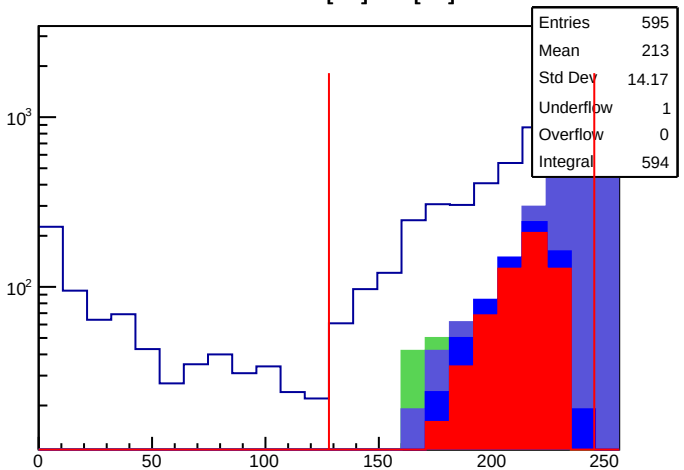

pKurama Sch[47]-Tof[19]
Entries 9870
Mean 0.8808
Std Dev 0.1135
Underflow 0
Overflow 3
Integral 9867
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

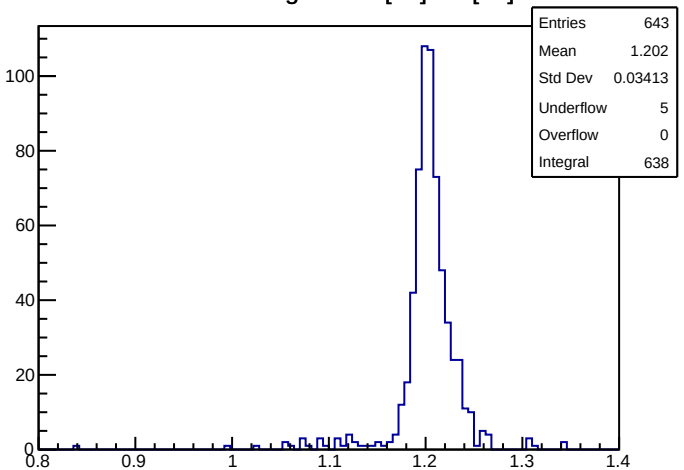

sftx all Sch[47]-Tof[20]
Entries 708
Mean 175.4
Std Dev 12.2
Underflow 3
Overflow 0
Integral 705

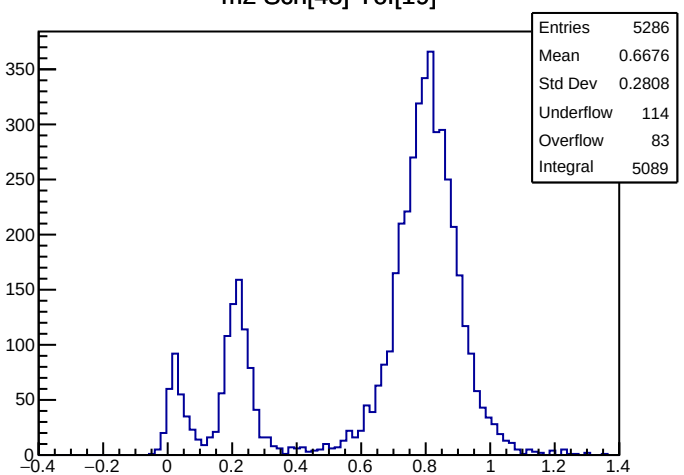

MissMass Sigma Sch[47]-Tof[20]
Entries 790
Mean 1.192
Std Dev 0.04092
Underflow 1
Overflow 0
Integral 789

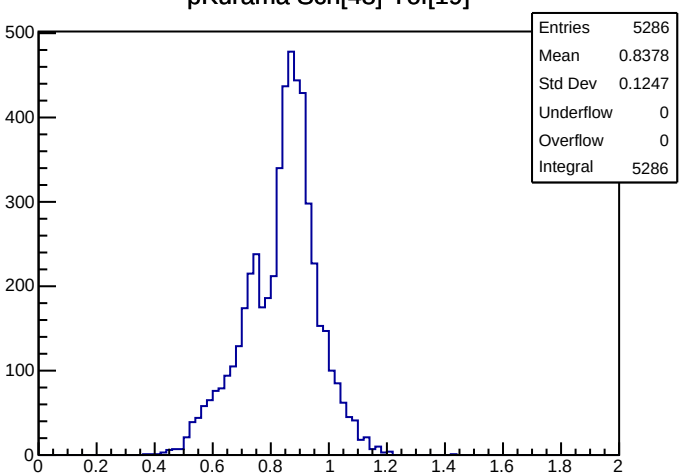

m2 Sch[47]-Tof[20]
Entries 29003
Mean 0.8446
Std Dev 0.198
Underflow 305
Overflow 496
Integral 2.82e+04

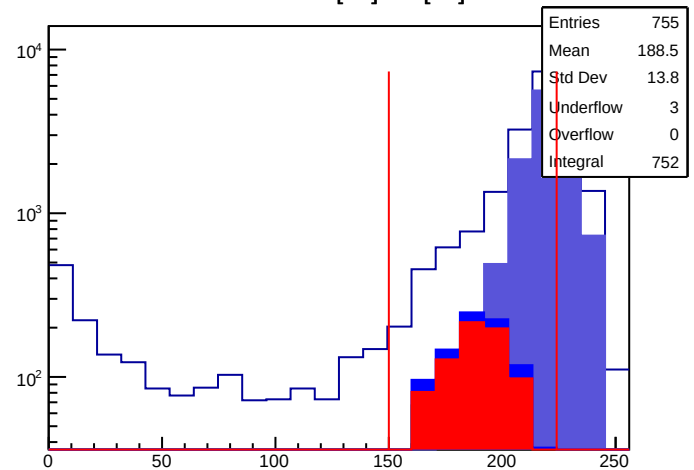

pKurama Sch[47]-Tof[20]
Entries 29003
Mean 0.9433
Std Dev 0.1056
Underflow 0
Overflow 2
Integral 2.9e+04

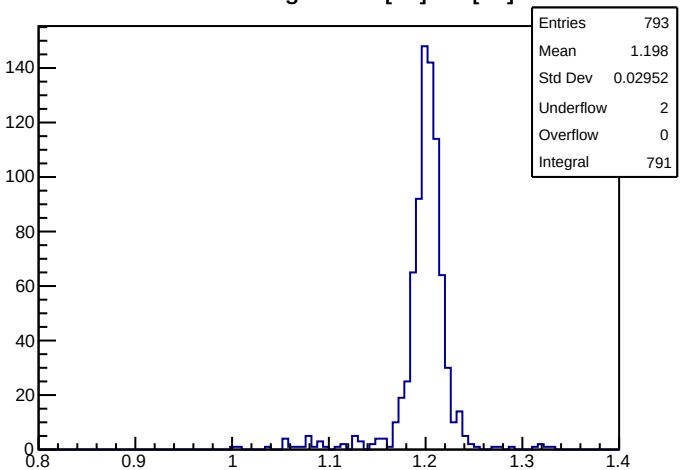

sftx all Sch[48]-Tof[19]
Entries 595
Mean 213
Std Dev 14.17
Underflow 1
Overflow 0
Integral 594
10^3
10^2
0
50
100
150
200
250

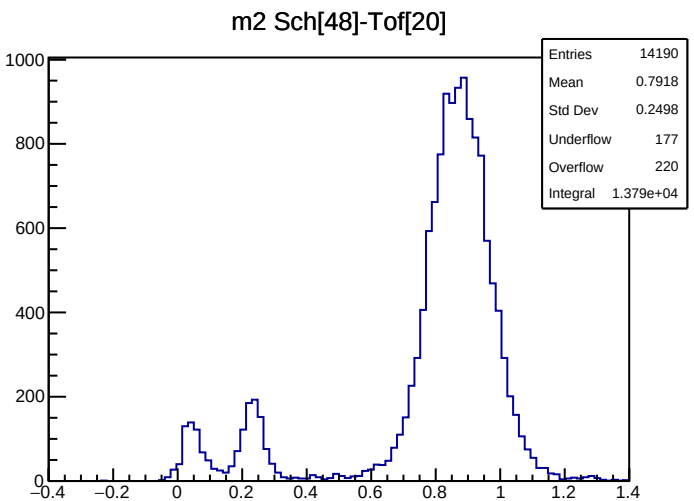

MissMass Sigma Sch[48]-Tof[19]
Entries 643
Mean 1.202
Std Dev 0.03413
Underflow 5
Overflow 0
Integral 638
100
80
60
40
20
0
0.8
0.9
1
1.1
1.2
1.3
1.4

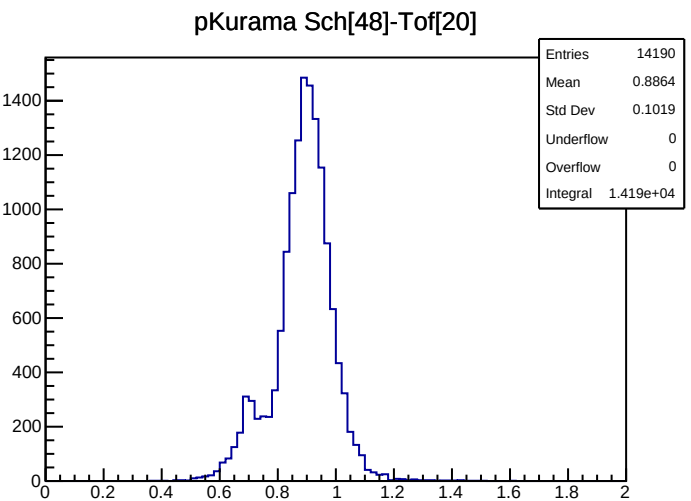

m2 Sch[48]-Tof[19]
Entries 5286
Mean 0.6676
Std Dev 0.2808
Underflow 114
Overflow 83
Integral 5089
350
300
250
200
150
100
50
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

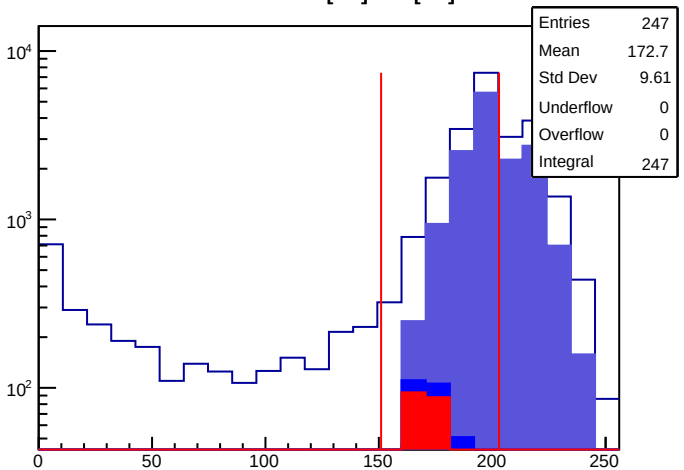

pKurama Sch[48]-Tof[19]
Entries 5286
Mean 0.8378
Std Dev 0.1247
Underflow 0
Overflow 0
Integral 5286
500
400
300
200
100
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

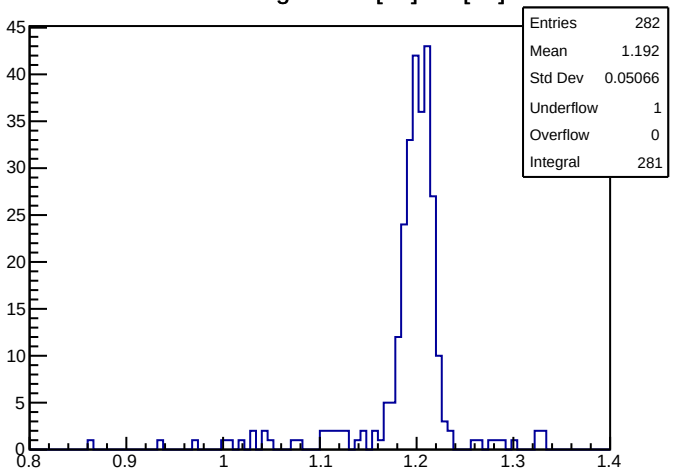

sftx all Sch[48]-Tof[20]
Entries 755
Mean 188.5
Std Dev 13.8
Underflow 3
Overflow 0
Integral 752

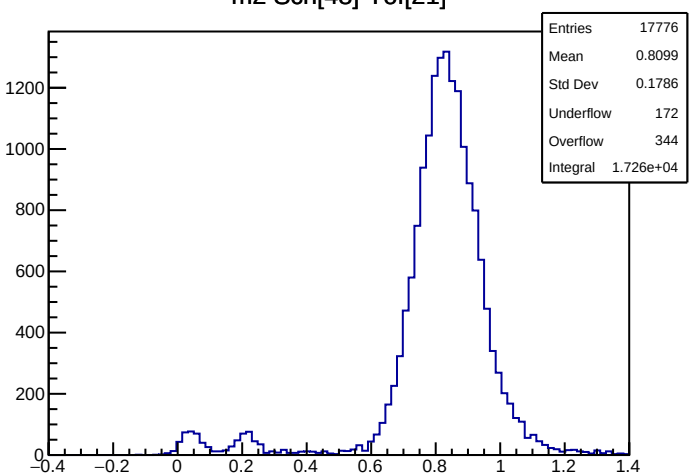

MissMass Sigma Sch[48]-Tof[20]
Entries 793
Mean 1.198
Std Dev 0.02952
Underflow 2
Overflow 0
Integral 791

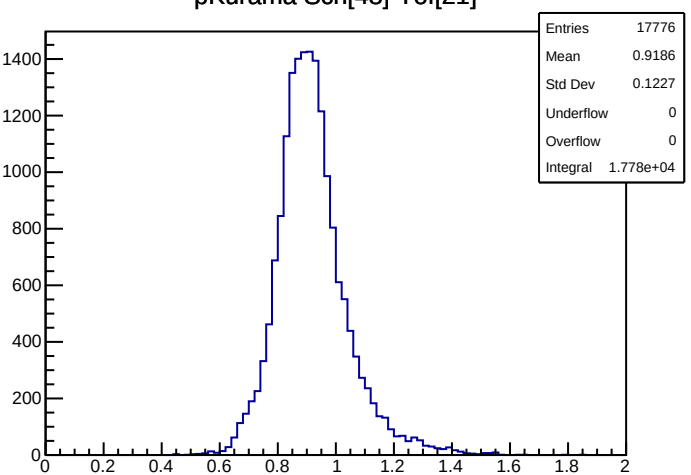

m2 Sch[48]-Tof[20]
Entries 14190
Mean 0.7918
Std Dev 0.2498
Underflow 177
Overflow 220
Integral 1.379e+04

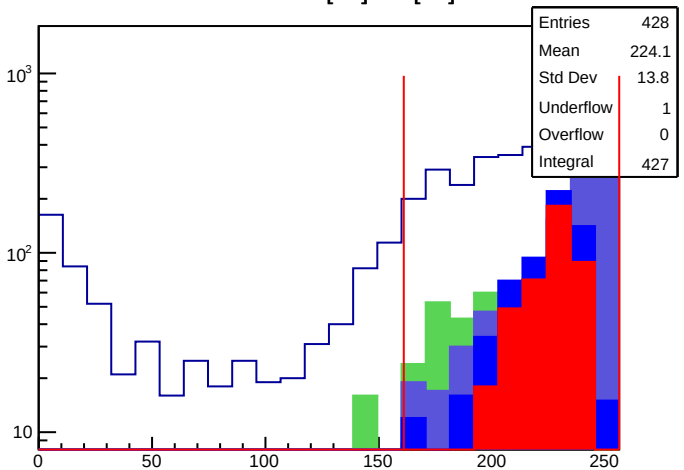

pKurama Sch[48]-Tof[20]
Entries 14190
Mean 0.8864
Std Dev 0.1019
Underflow 0
Overflow 0
Integral 1.419e+04

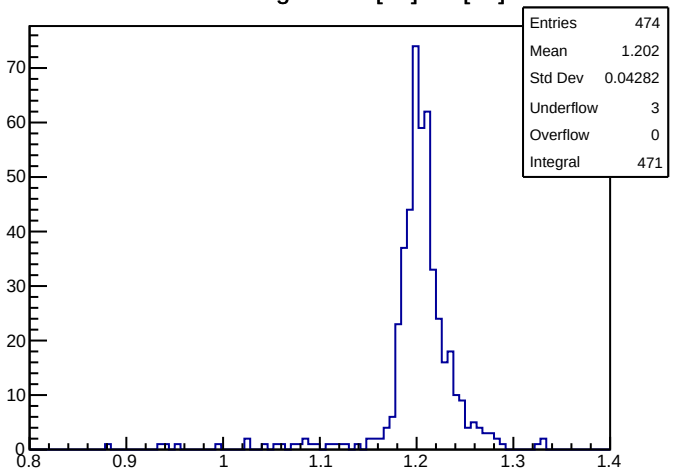

sftx all Sch[48]-Tof[21]
Entries 247
Mean 172.7
Std Dev 9.61
Underflow 0
Overflow 0
Integral 247

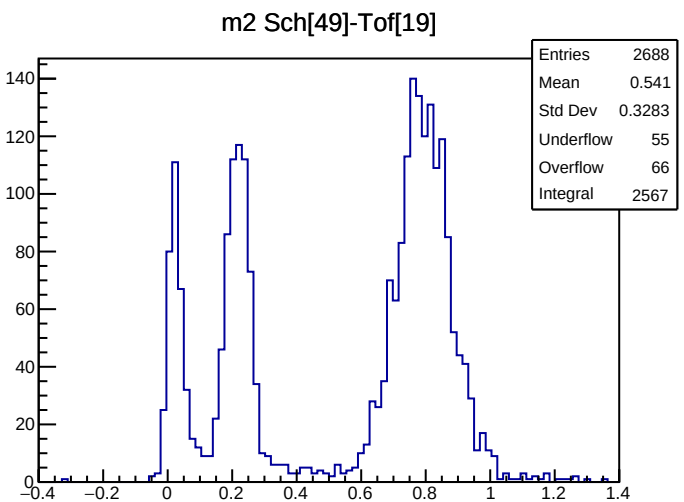

MissMass Sigma Sch[48]-Tof[21]
Entries 282
Mean 1.192
Std Dev 0.05066
Underflow 1
Overflow 0
Integral 281

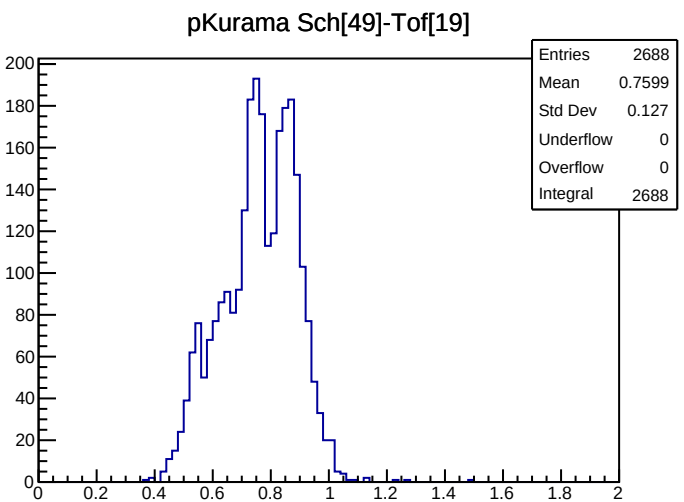

m2 Sch[48]-Tof[21]
Entries 17776
Mean 0.8099
Std Dev 0.1786
Underflow 172
Overflow 344
Integral 1.726e+04

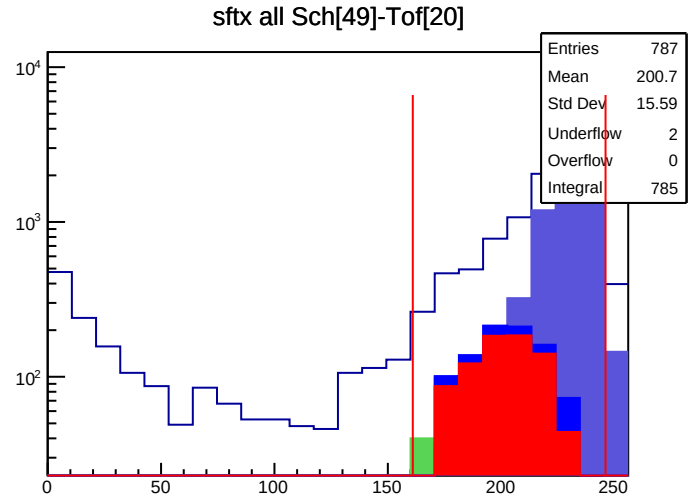

pKurama Sch[48]-Tof[21]
Entries 17776
Mean 0.9186
Std Dev 0.1227
Underflow 0
Overflow 0
Integral 1.778e+04

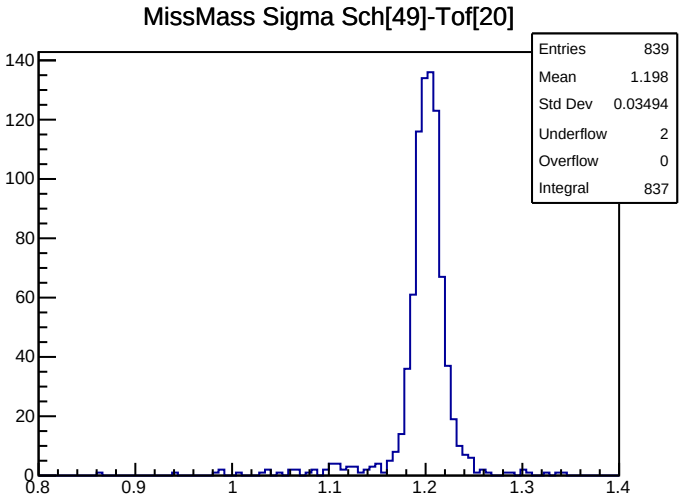

sftx all Sch[49]-Tof[19]
Entries 428
Mean 224.1
Std Dev 13.8
Underflow 1
Overflow 0
Integral 427

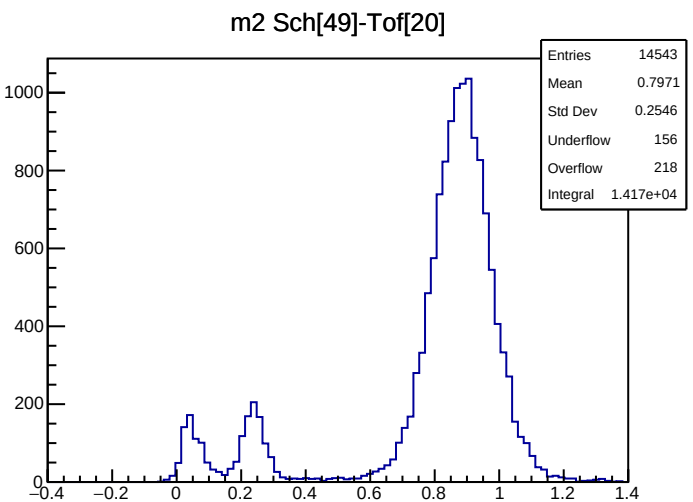

MissMass Sigma Sch[49]-Tof[19]
Entries 474
Mean 1.202
Std Dev 0.04282
Underflow 3
Overflow 0
Integral 471

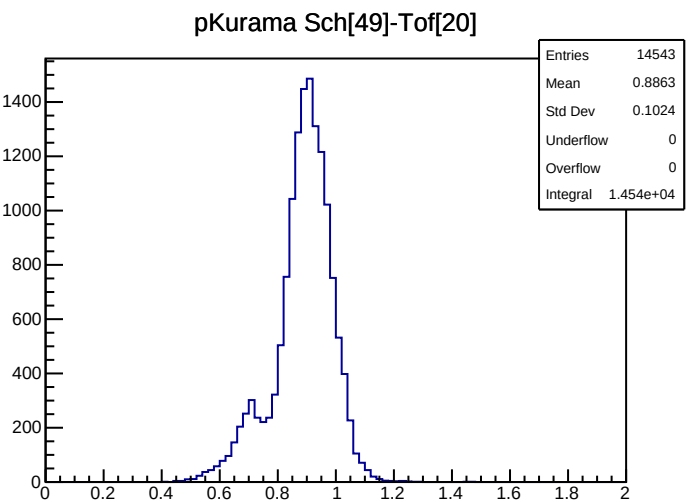

m2 Sch[49]-Tof[19]
Entries 2688
Mean 0.541
Std Dev 0.3283
Underflow 55
Overflow 66
Integral 2567

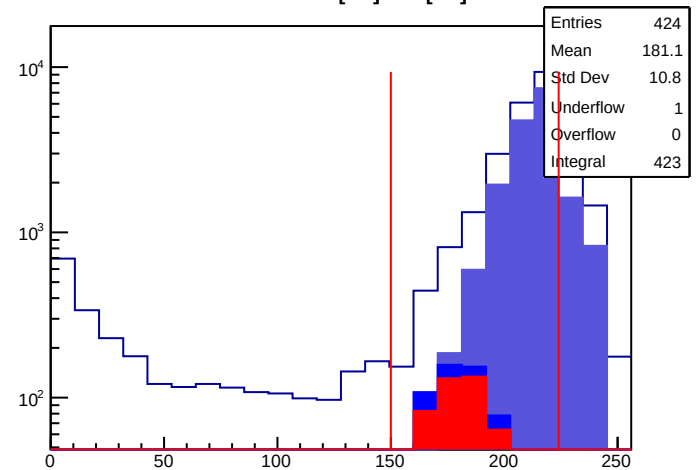

pKurama Sch[49]-Tof[19]
Entries 2688
Mean 0.7599
Std Dev 0.127
Underflow 0
Overflow 0
Integral 2688

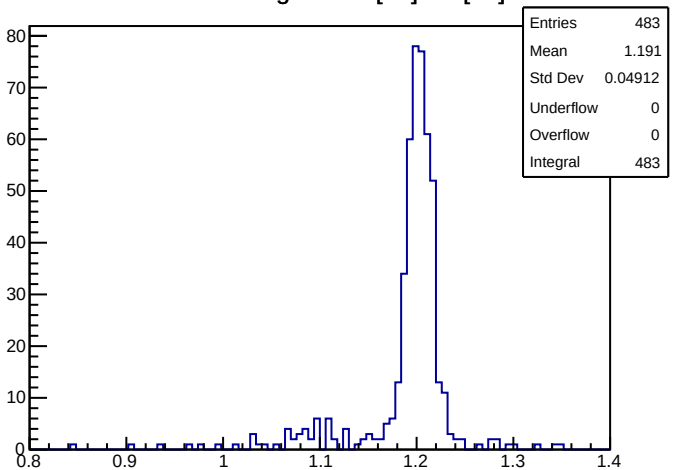

sftx all Sch[49]-Tof[20]
Entries 787
Mean 200.7
Std Dev 15.59
Underflow 2
Overflow 0
Integral 785

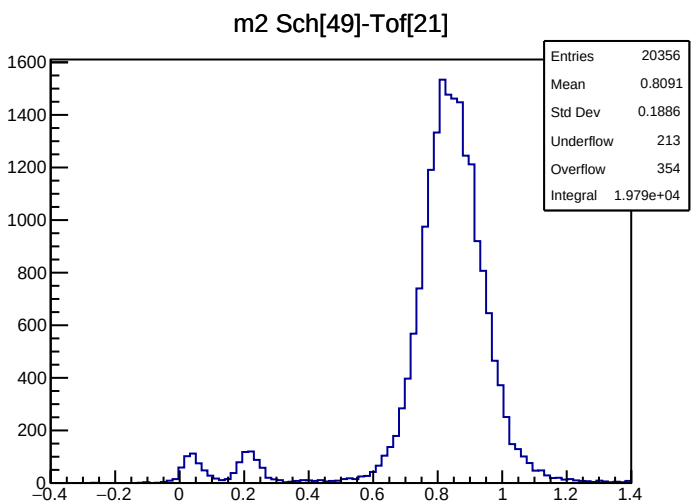

MissMass Sigma Sch[49]-Tof[20]
Entries 839
Mean 1.198
Std Dev 0.03494
Underflow 2
Overflow 0
Integral 837

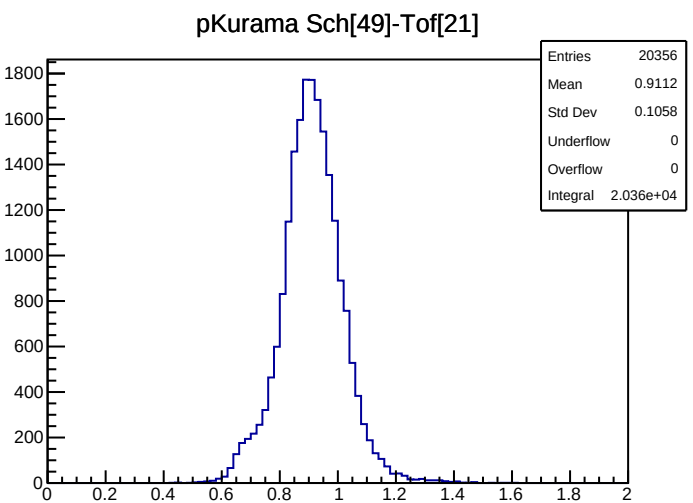

m2 Sch[49]-Tof[20]
Entries 14543
Mean 0.7971
Std Dev 0.2546
Underflow 156
Overflow 218
Integral 1.417e+04

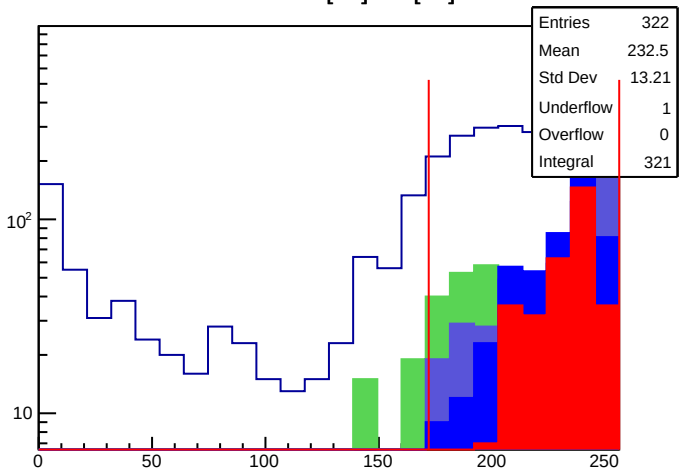

pKurama Sch[49]-Tof[20]
Entries 14543
Mean 0.8863
Std Dev 0.1024
Underflow 0
Overflow 0
Integral 1.454e+04

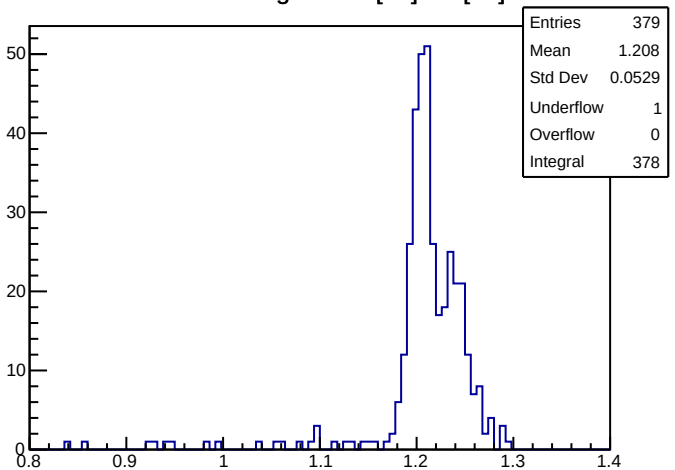

sftx all Sch[49]-Tof[21]
Entries 424
Mean 181.1
Std Dev 10.8
Underflow 1
Overflow 0
Integral 423

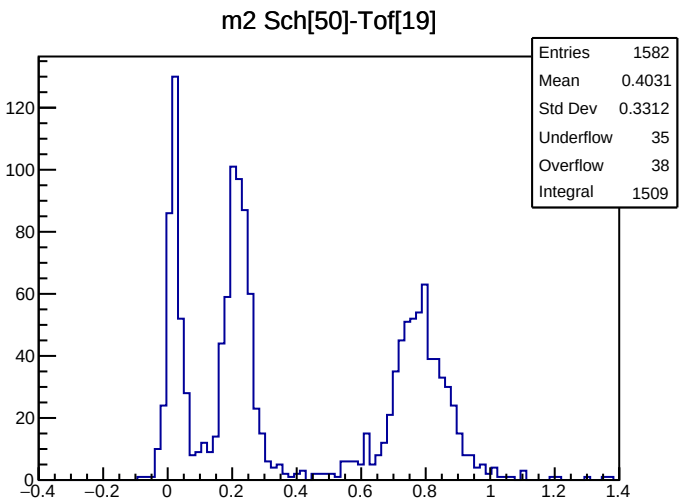

MissMass Sigma Sch[49]-Tof[21]
Entries 483
Mean 1.191
Std Dev 0.04912
Underflow 0
Overflow 0
Integral 483

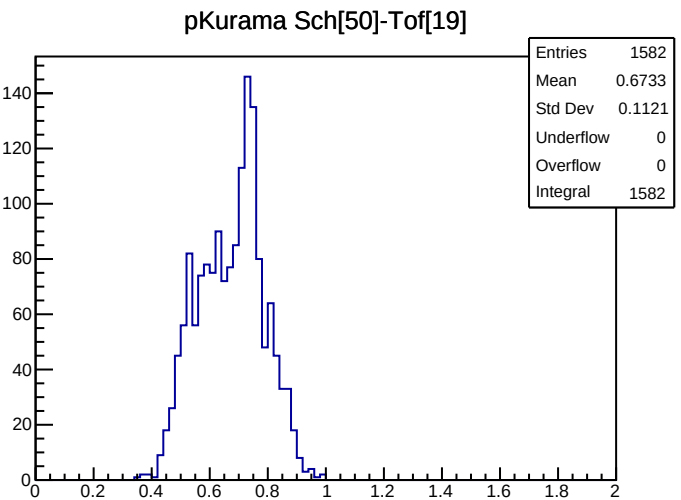

m2 Sch[49]-Tof[21]
Entries 20356
Mean 0.8091
Std Dev 0.1886
Underflow 213
Overflow 354
Integral 1.979e+04

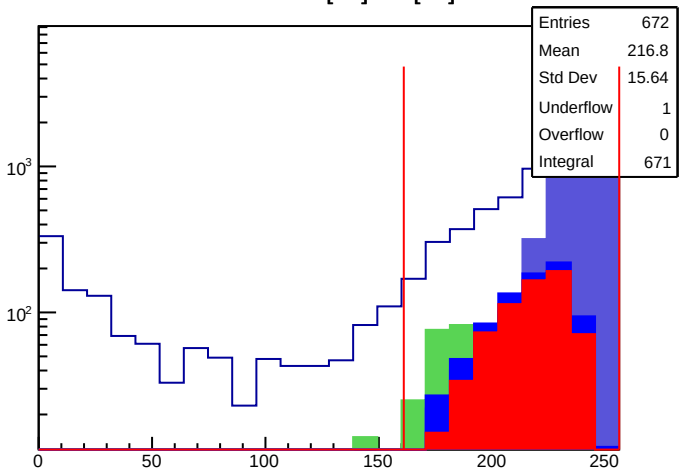

pKurama Sch[49]-Tof[21]
Entries 20356
Mean 0.9112
Std Dev 0.1058
Underflow 0
Overflow 0
Integral 2.036e+04

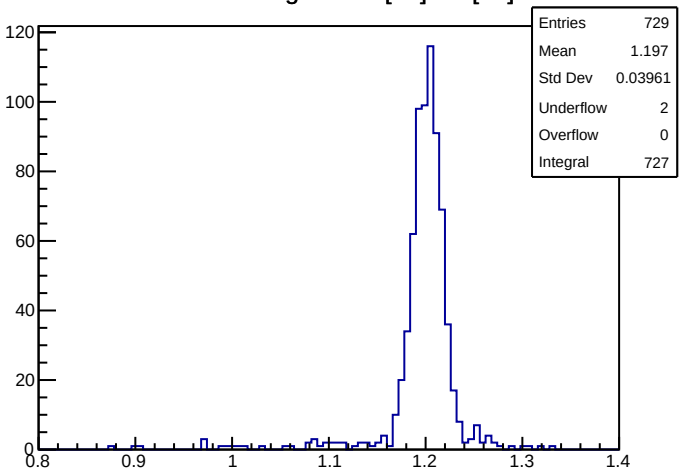

sftx all Sch[50]-Tof[19]
Entries 322
Mean 232.5
Std Dev 13.21
Underflow 1
Overflow 0
Integral 321
10^2
10
0
50
100
150
200
250

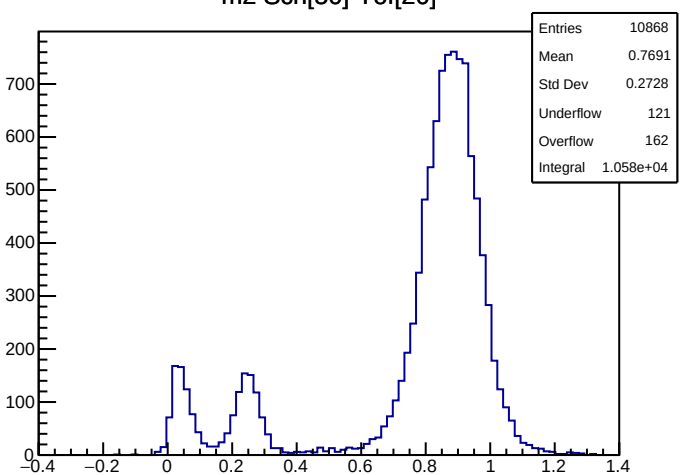

MissMass Sigma Sch[50]-Tof[19]
Entries 379
Mean 1.208
Std Dev 0.0529
Underflow 1
Overflow 0
Integral 378
50
40
30
20
10
0
0.8
0.9
1
1.1
1.2
1.3
1.4

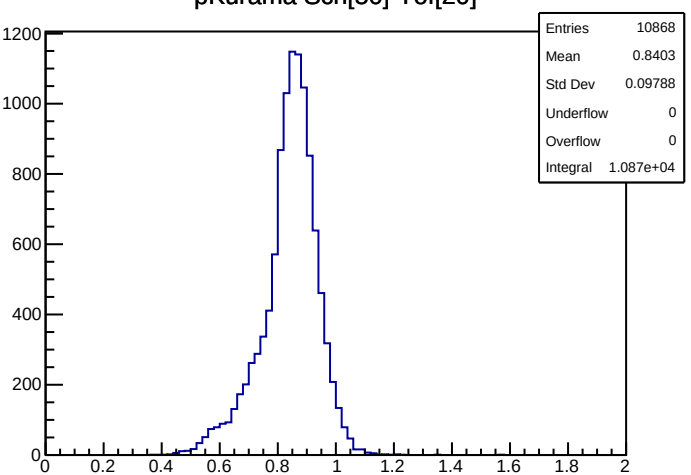

m2 Sch[50]-Tof[19]
Entries 1582
Mean 0.4031
Std Dev 0.3312
Underflow 35
Overflow 38
Integral 1509
120
100
80
60
40
20
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

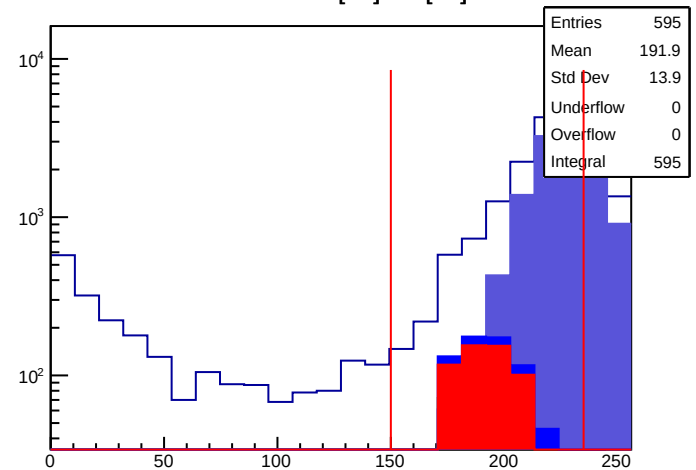

pKurama Sch[50]-Tof[19]
Entries 1582
Mean 0.6733
Std Dev 0.1121
Underflow 0
Overflow 0
Integral 1582
140
120
100
80
60
40
20
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

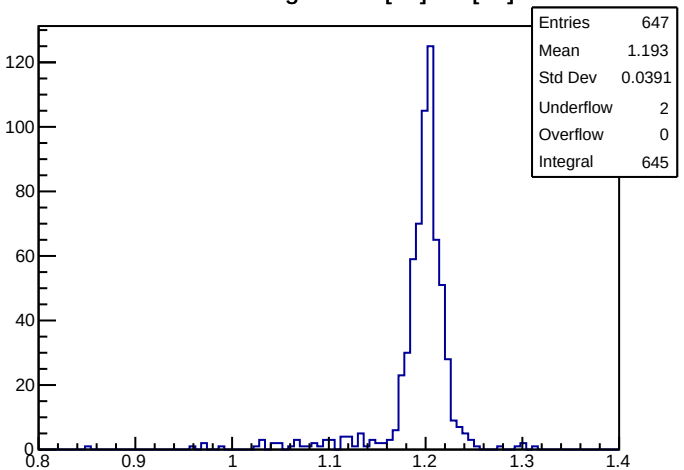

sftx all Sch[50]-Tof[20]
Entries 672
Mean 216.8
Std Dev 15.64
Underflow 1
Overflow 0
Integral 671

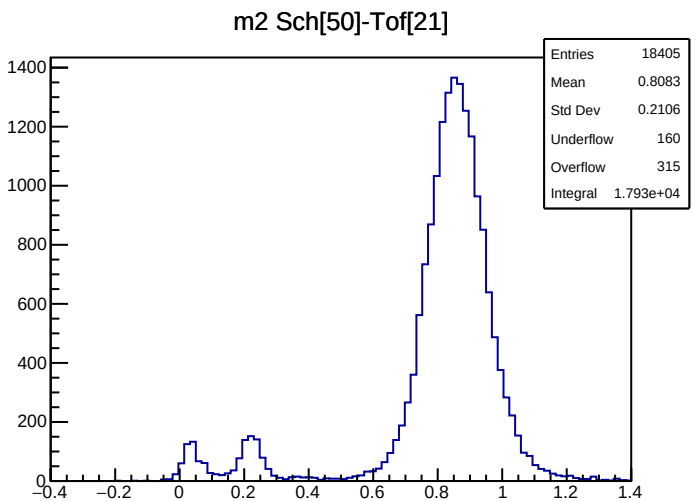

MissMass Sigma Sch[50]-Tof[20]
Entries 729
Mean 1.197
Std Dev 0.03961
Underflow 2
Overflow 0
Integral 727

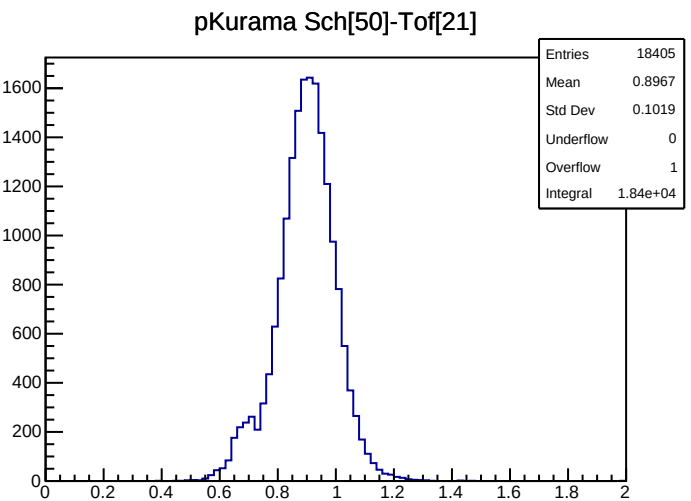

m2 Sch[50]-Tof[20]
Entries 10868
Mean 0.7691
Std Dev 0.2728
Underflow 121
Overflow 162
Integral 1.058e+04

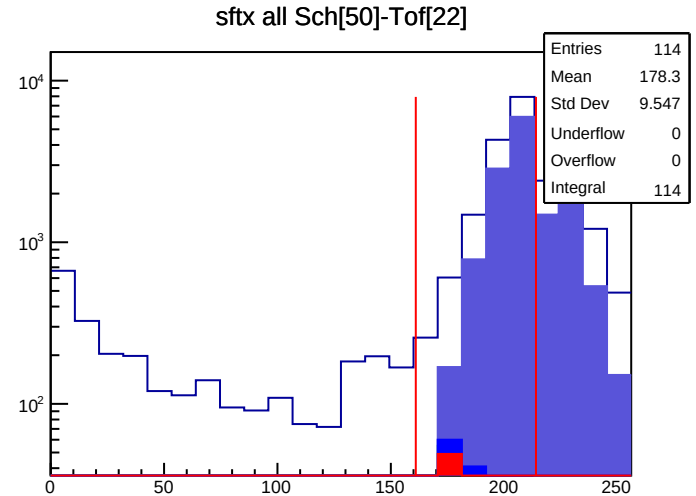

pKurama Sch[50]-Tof[20]
Entries 10868
Mean 0.8403
Std Dev 0.09788
Underflow 0
Overflow 0
Integral 1.087e+04

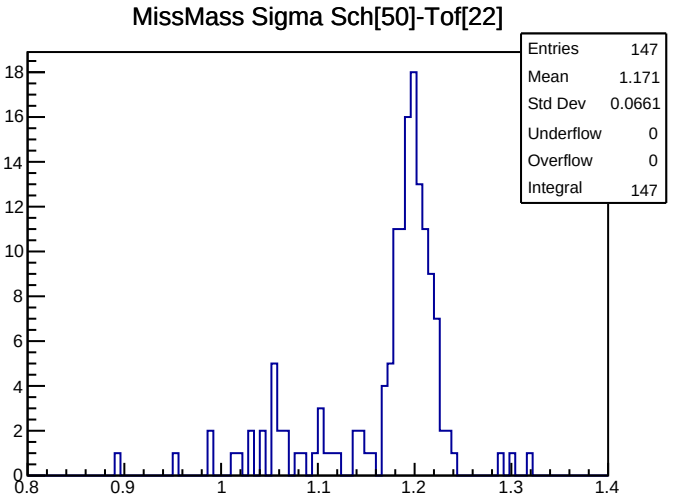

sftx all Sch[50]-Tof[21]
Entries 595
Mean 191.9
Std Dev 13.9
Underflow 0
Overflow 0
Integral 595

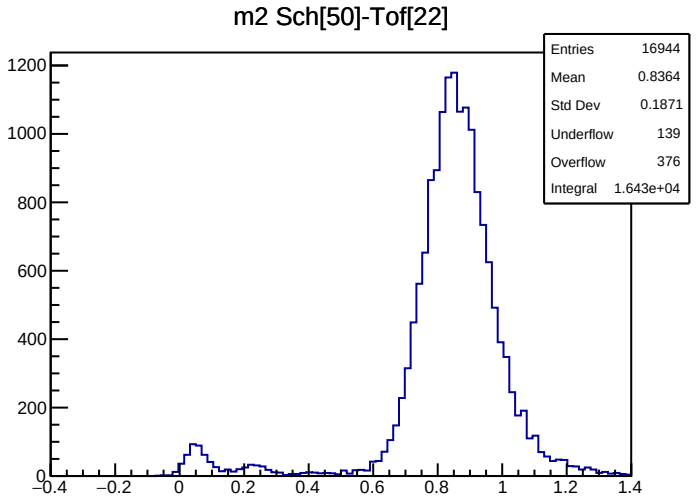

MissMass Sigma Sch[50]-Tof[21]
Entries 647
Mean 1.193
Std Dev 0.0391
Underflow 2
Overflow 0
Integral 645

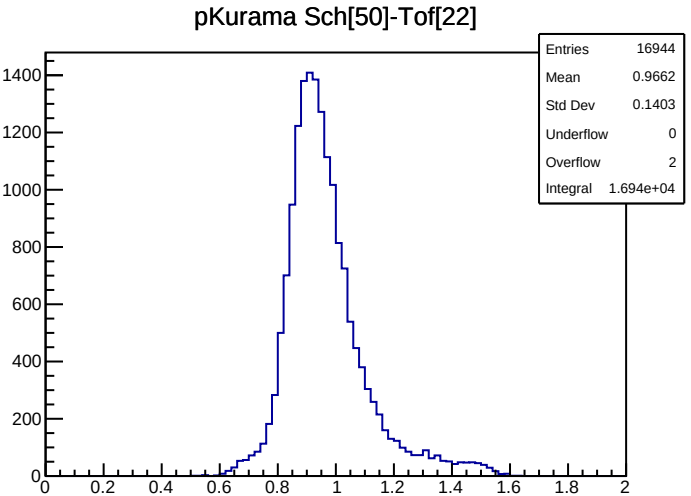

m2 Sch[50]-Tof[21]
Entries 18405
Mean 0.8083
Std Dev 0.2106
Underflow 160
Overflow 315
Integral 1.793e+04

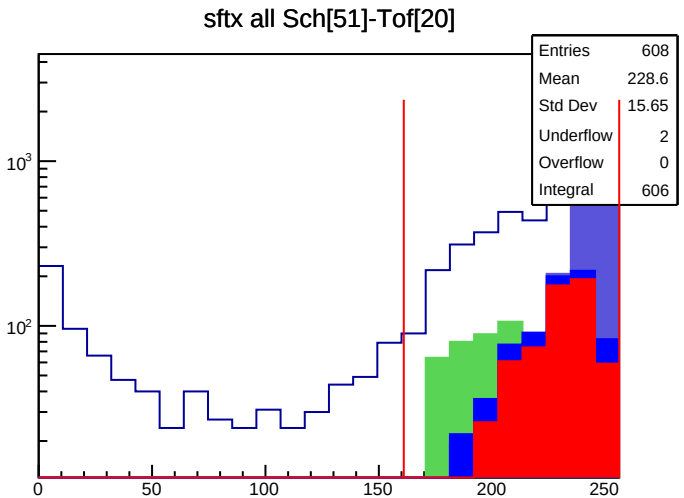

pKurama Sch[50]-Tof[21]
Entries 18405
Mean 0.8967
Std Dev 0.1019
Underflow 0
Overflow 1
Integral 1.84e+04

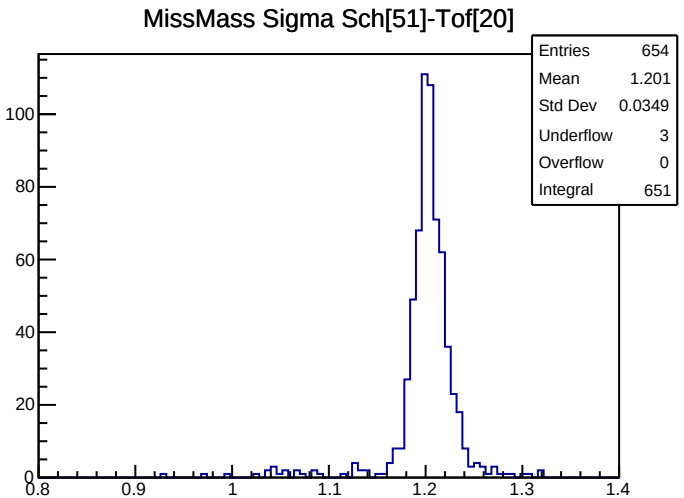

sftx all Sch[50]-Tof[22]
Entries 114
Mean 178.3
Std Dev 9.547
Underflow 0
Overflow 0
Integral 114

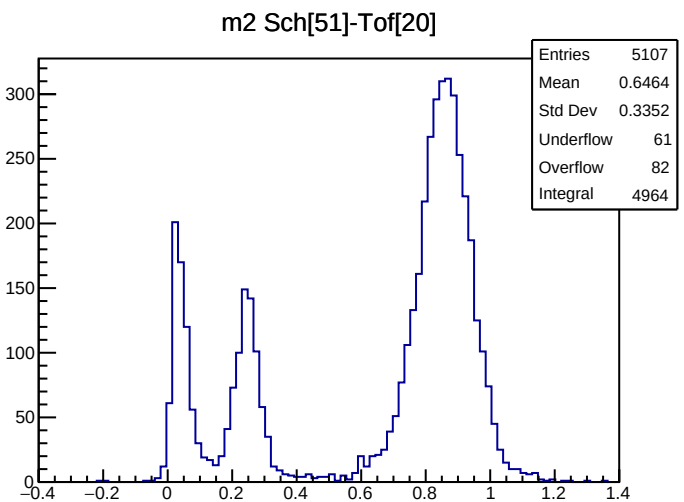

MissMass Sigma Sch[50]-Tof[22]
Entries 147
Mean 1.171
Std Dev 0.0661
Underflow 0
Overflow 0
Integral 147

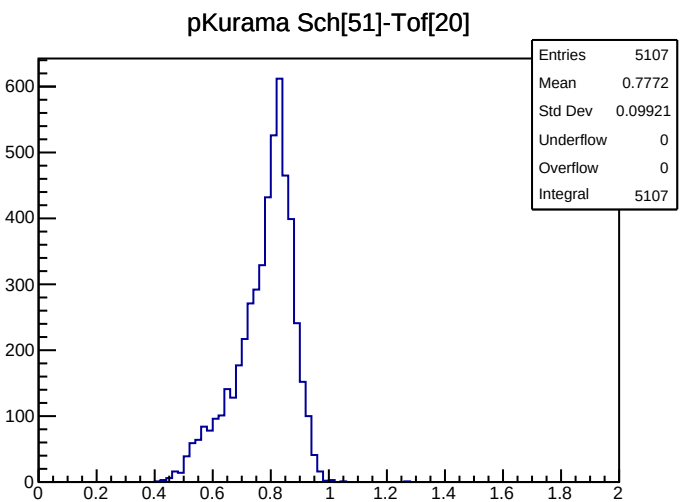

m2 Sch[50]-Tof[22]
Entries 16944
Mean 0.8364
Std Dev 0.1871
Underflow 139
Overflow 376
Integral 1.643e+04

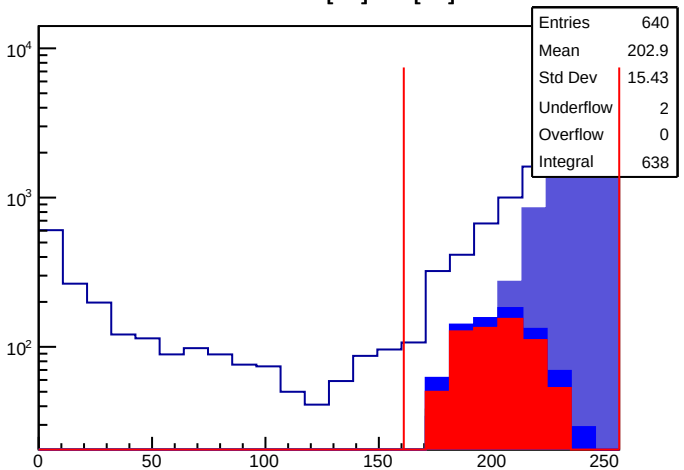

pKurama Sch[50]-Tof[22]
Entries 16944
Mean 0.9662
Std Dev 0.1403
Underflow 0
Overflow 2
Integral 1.694e+04

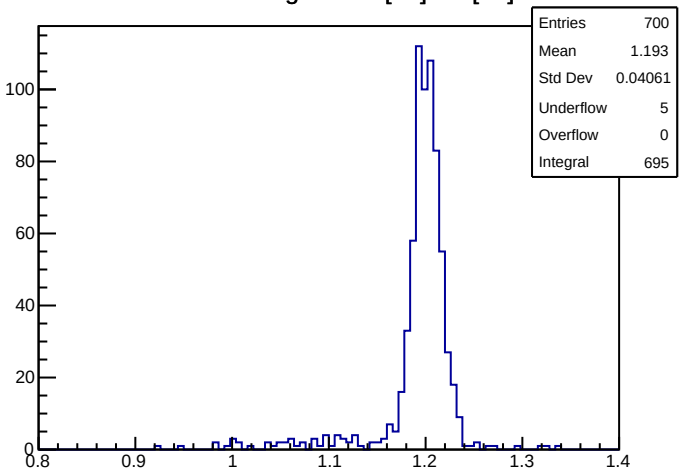

sftx all Sch[51]-Tof[20]
Entries 608
Mean 228.6
Std Dev 15.65
Underflow 2
Overflow 0
Integral 606

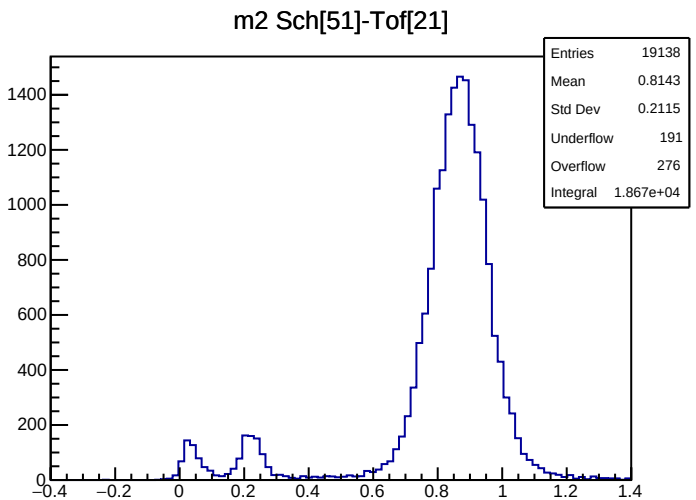

MissMass Sigma Sch[51]-Tof[20]
Entries 654
Mean 1.201
Std Dev 0.0349
Underflow 3
Overflow 0
Integral 651

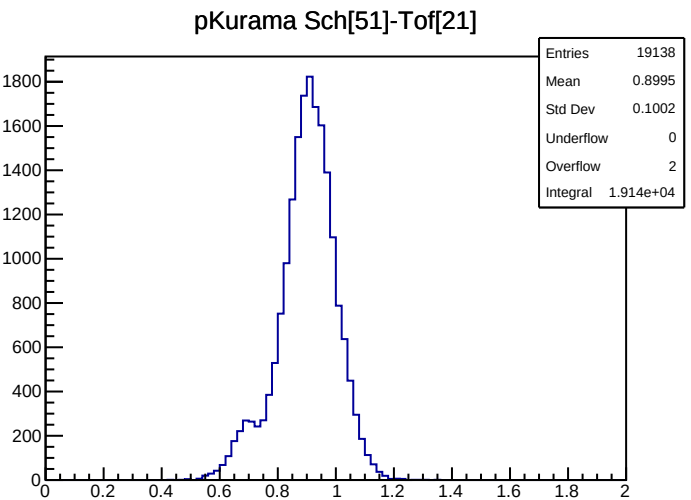

m2 Sch[51]-Tof[20]
Entries 5107
Mean 0.6464
Std Dev 0.3352
Underflow 61
Overflow 82
Integral 4964

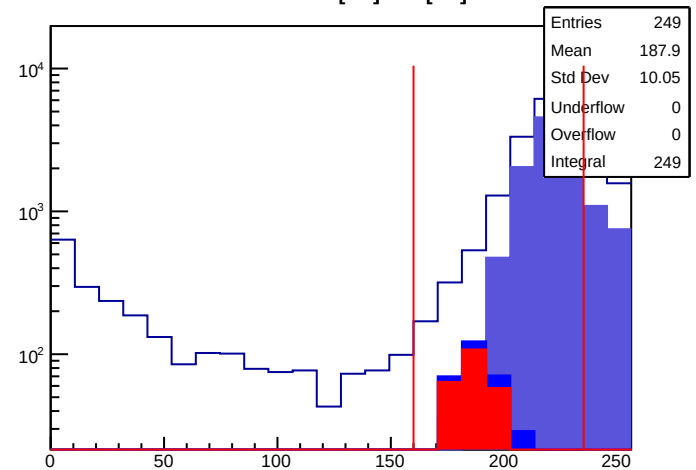

pKurama Sch[51]-Tof[20]
Entries 5107
Mean 0.7772
Std Dev 0.09921
Underflow 0
Overflow 0
Integral 5107

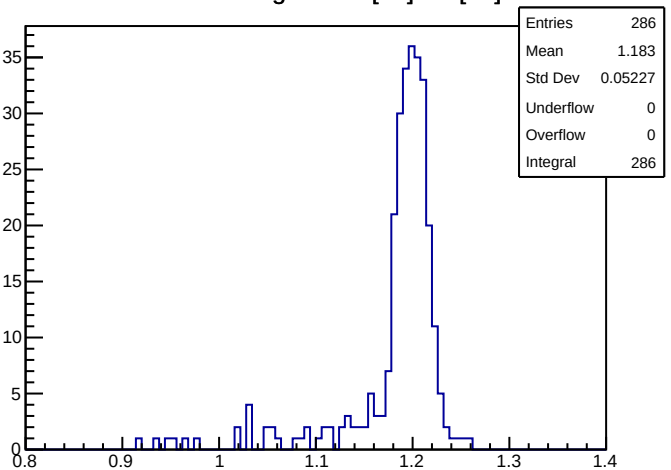

sftx all Sch[51]-Tof[21]
Entries 640
Mean 202.9
Std Dev 15.43
Underflow 2
Overflow 0
Integral 638

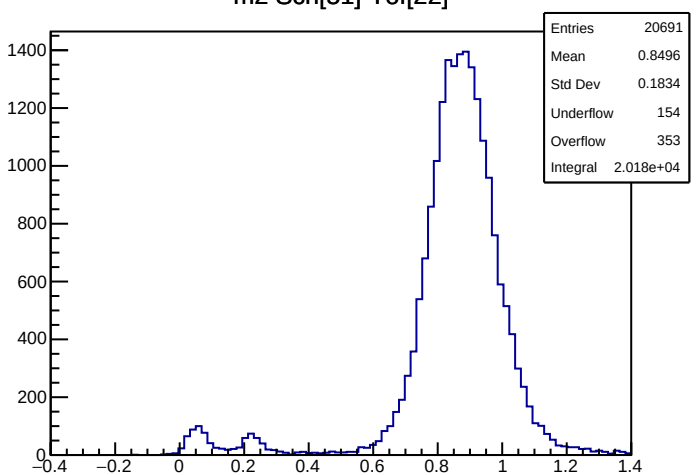

MissMass Sigma Sch[51]-Tof[21]
Entries 700
Mean 1.193
Std Dev 0.04061
Underflow 5
Overflow 0
Integral 695

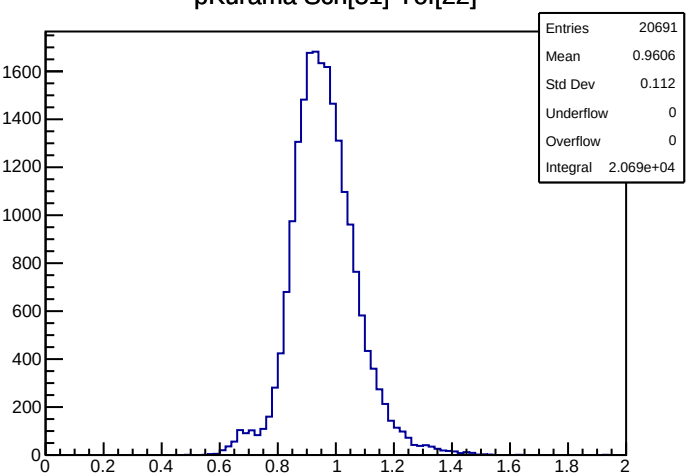

m2 Sch[51]-Tof[21]
Entries 19138
Mean 0.8143
Std Dev 0.2115
Underflow 191
Overflow 276
Integral 1.867e+04

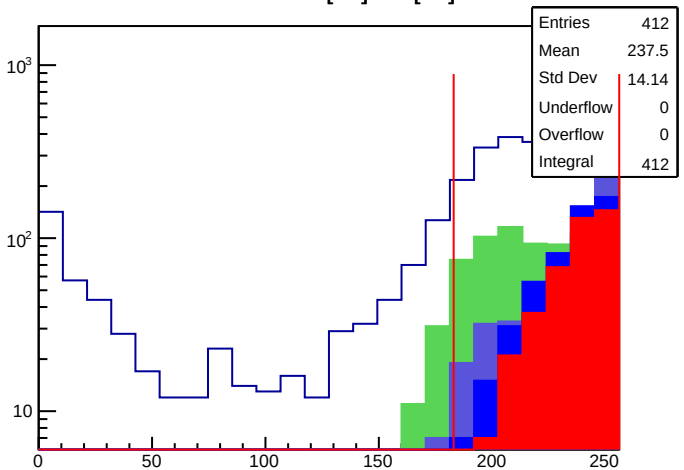

pKurama Sch[51]-Tof[21]
Entries 19138
Mean 0.8995
Std Dev 0.1002
Underflow 0
Overflow 2
Integral 1.914e+04

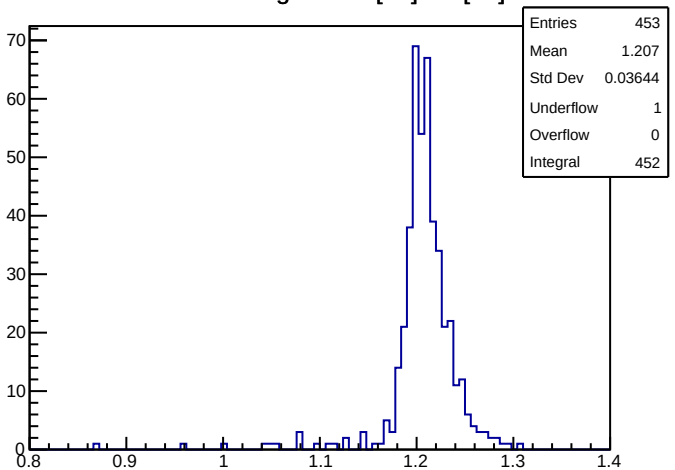

sftx all Sch[51]-Tof[22]
Entries 249
Mean 187.9
Std Dev 10.05
Underflow 0
Overflow 0
Integral 249

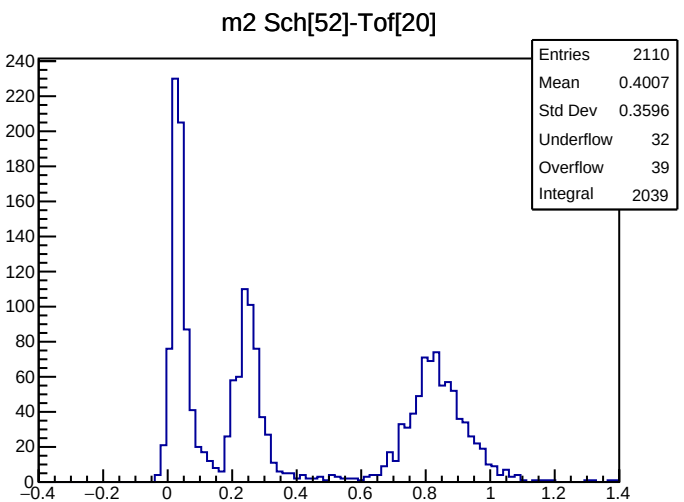

MissMass Sigma Sch[51]-Tof[22]
Entries 286
Mean 1.183
Std Dev 0.05227
Underflow 0
Overflow 0
Integral 286

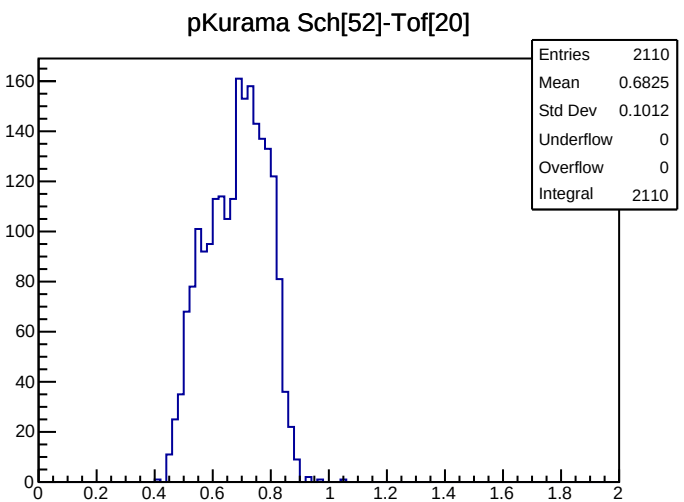

m2 Sch[51]-Tof[22]
Entries 20691
Mean 0.8496
Std Dev 0.1834
Underflow 154
Overflow 353
Integral 2.018e+04

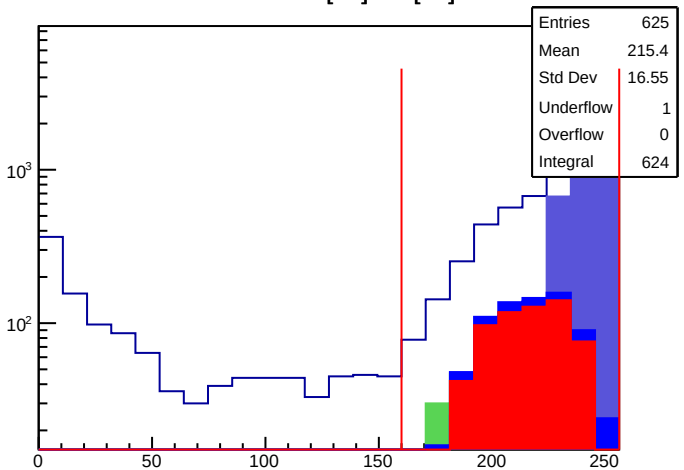

pKurama Sch[51]-Tof[22]
Entries 20691
Mean 0.9606
Std Dev 0.112
Underflow 0
Overflow 0
Integral 2.069e+04

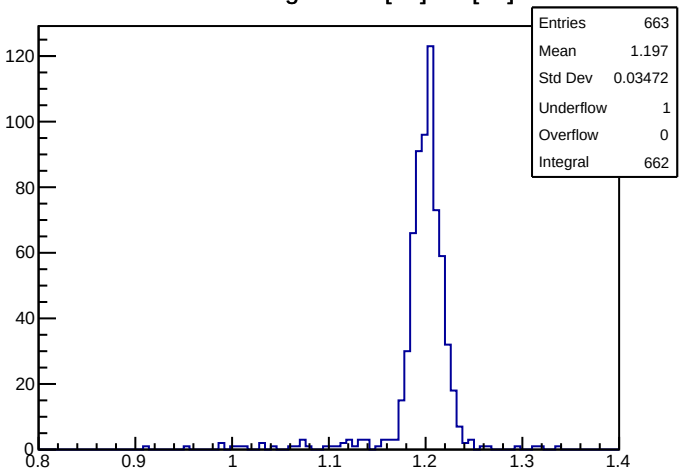

sftx all Sch[52]-Tof[20]
Entries 412
Mean 237.5
Std Dev 14.14
Underflow 0
Overflow 0
Integral 412

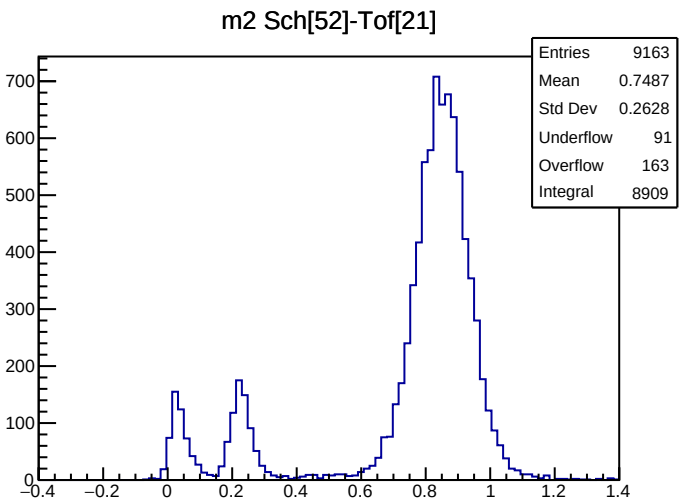

MissMass Sigma Sch[52]-Tof[20]
Entries 453
Mean 1.207
Std Dev 0.03644
Underflow 1
Overflow 0
Integral 452

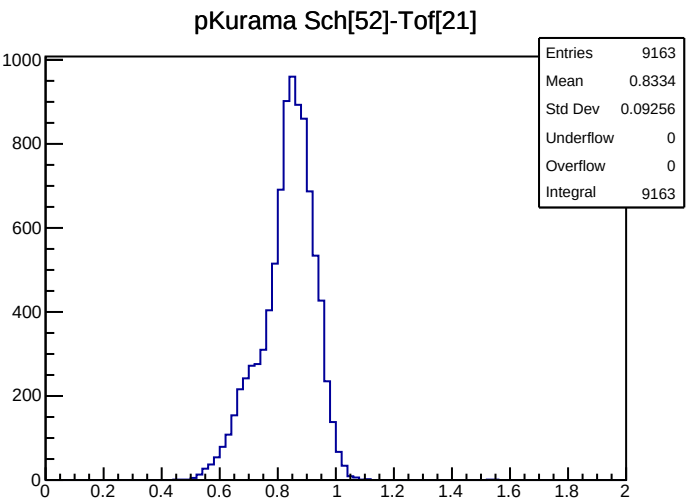

m2 Sch[52]-Tof[20]
Entries 2110
Mean 0.4007
Std Dev 0.3596
Underflow 32
Overflow 39
Integral 2039

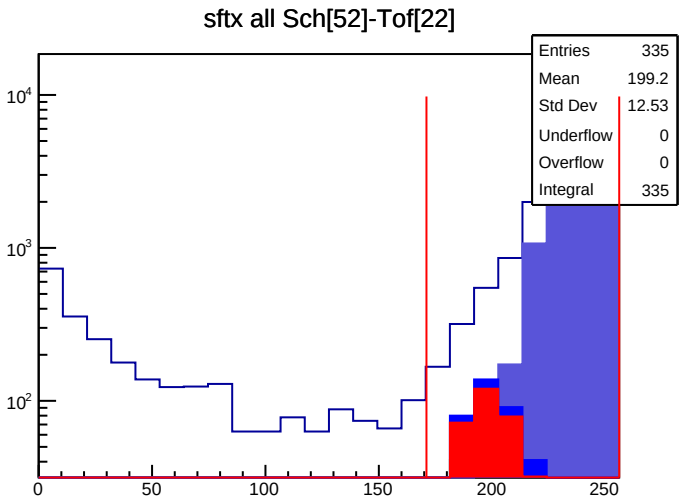

pKurama Sch[52]-Tof[20]
Entries 2110
Mean 0.6825
Std Dev 0.1012
Underflow 0
Overflow 0
Integral 2110

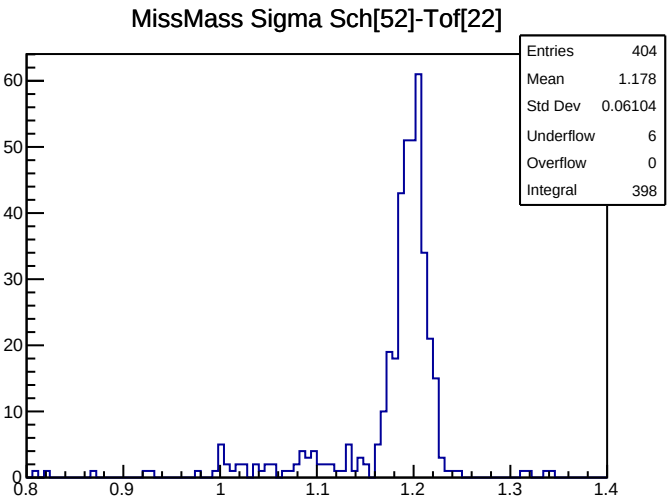

sftx all Sch[52]-Tof[21]
Entries 625
Mean 215.4
Std Dev 16.55
Underflow 1
Overflow 0
Integral 624
10^3
10^2
0
50
100
150
200
250

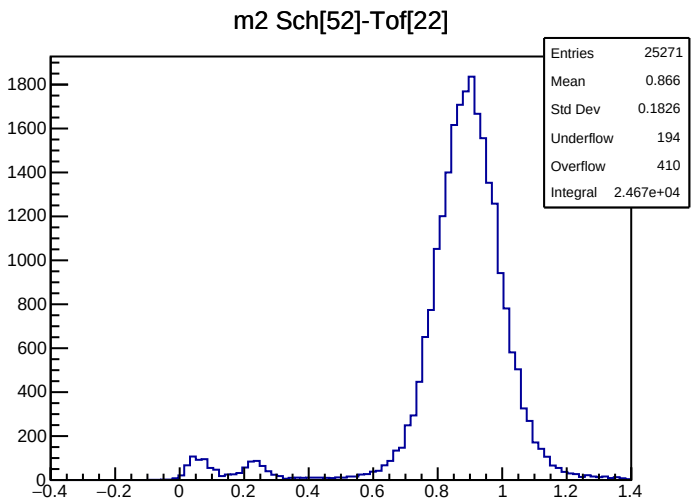

MissMass Sigma Sch[52]-Tof[21]
Entries 663
Mean 1.197
Std Dev 0.03472
Underflow 1
Overflow 0
Integral 662
120
100
80
60
40
20
0
0.8
0.9
1
1.1
1.2
1.3
1.4

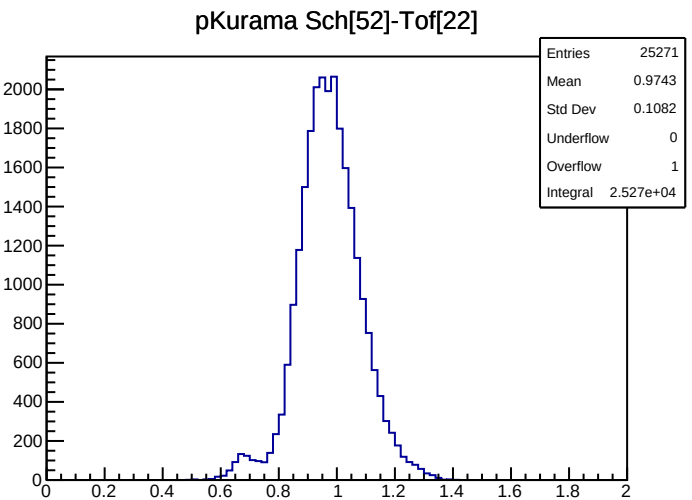

m2 Sch[52]-Tof[21]
Entries 9163
Mean 0.7487
Std Dev 0.2628
Underflow 91
Overflow 163
Integral 8909
700
600
500
400
300
200
100
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

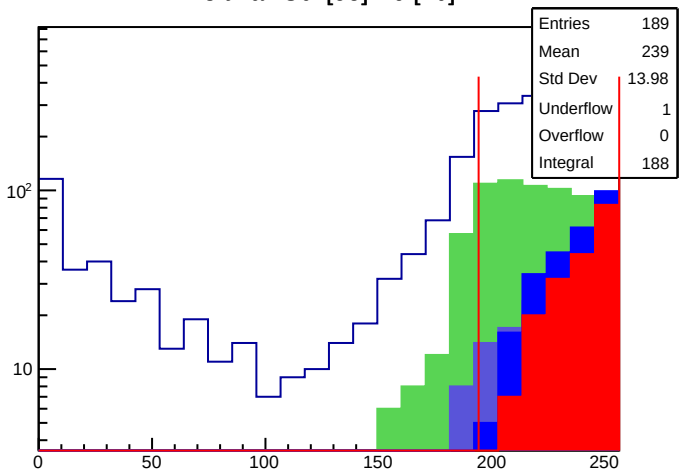

pKurama Sch[52]-Tof[21]
Entries 9163
Mean 0.8334
Std Dev 0.09256
Underflow 0
Overflow 0
Integral 9163
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

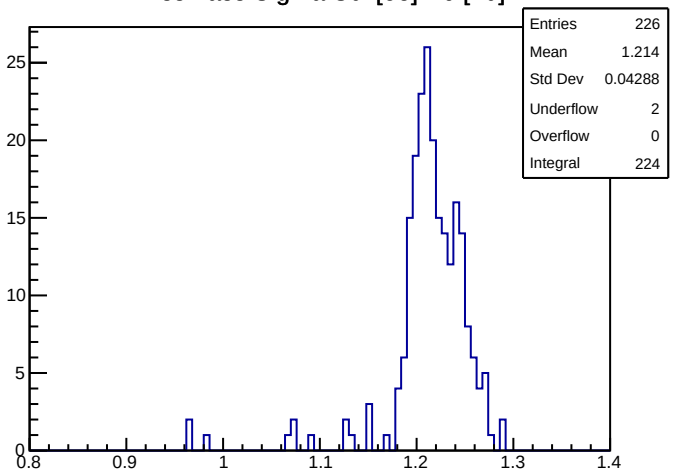

sftx all Sch[52]-Tof[22]
Entries 335
Mean 199.2
Std Dev 12.53
Underflow 0
Overflow 0
Integral 335

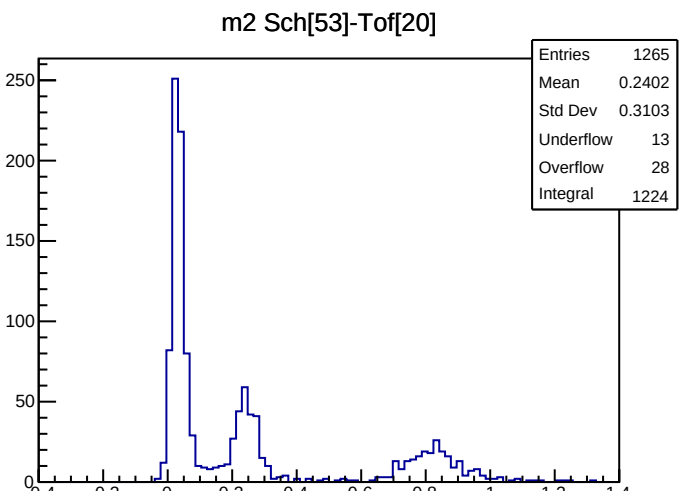

MissMass Sigma Sch[52]-Tof[22]
Entries 404
Mean 1.178
Std Dev 0.06104
Underflow 6
Overflow 0
Integral 398

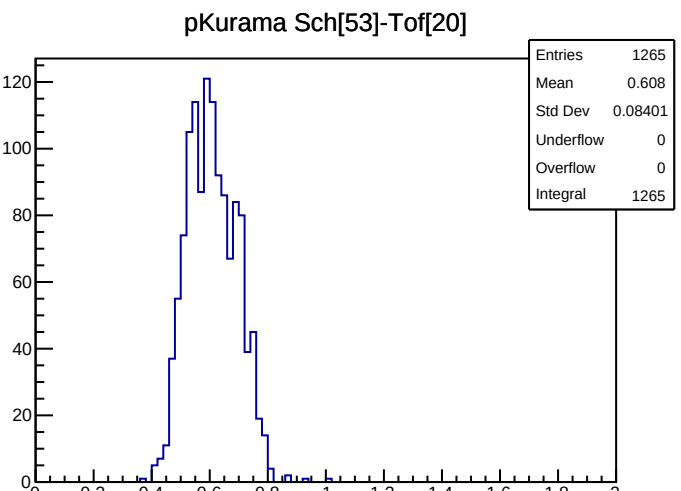

m2 Sch[52]-Tof[22]
Entries 25271
Mean 0.866
Std Dev 0.1826
Underflow 194
Overflow 410
Integral 2.467e+04

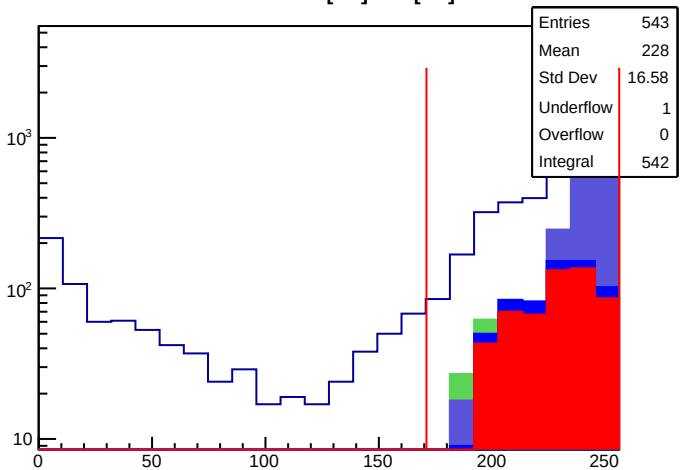

pKurama Sch[52]-Tof[22]
Entries 25271
Mean 0.9743
Std Dev 0.1082
Underflow 0
Overflow 1
Integral 2.527e+04

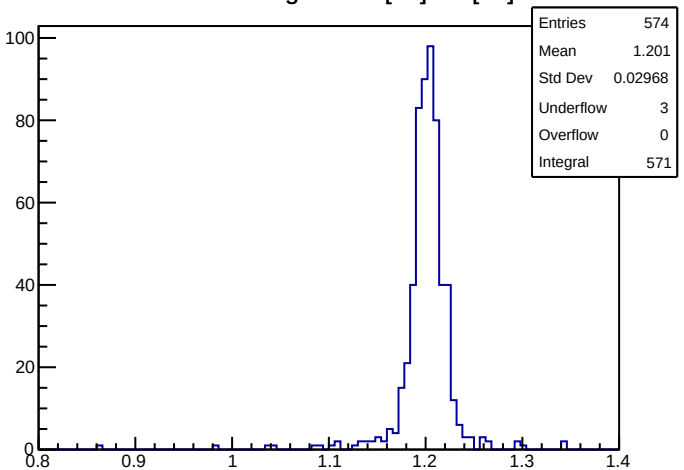

sftx all Sch[53]-Tof[20]
Entries 189
Mean 239
Std Dev 13.98
Underflow 1
Overflow 0
Integral 188
10^2
10
0
50
100
150
200
250

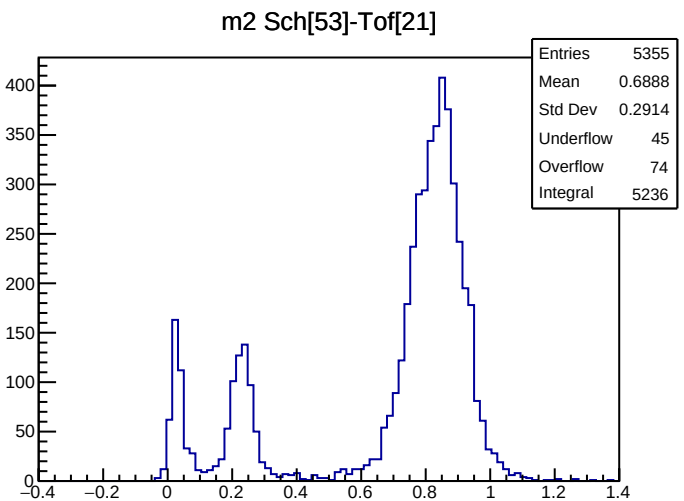

MissMass Sigma Sch[53]-Tof[20]
Entries 226
Mean 1.214
Std Dev 0.04288
Underflow 2
Overflow 0
Integral 224
25
20
15
10
5
0
0.8
0.9
1
1.1
1.2
1.3
1.4

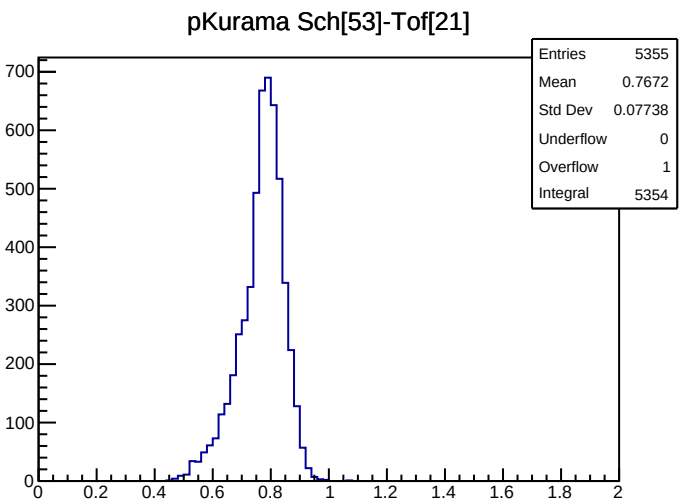

m2 Sch[53]-Tof[20]
Entries 1265
Mean 0.2402
Std Dev 0.3103
Underflow 13
Overflow 28
Integral 1224
250
200
150
100
50
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

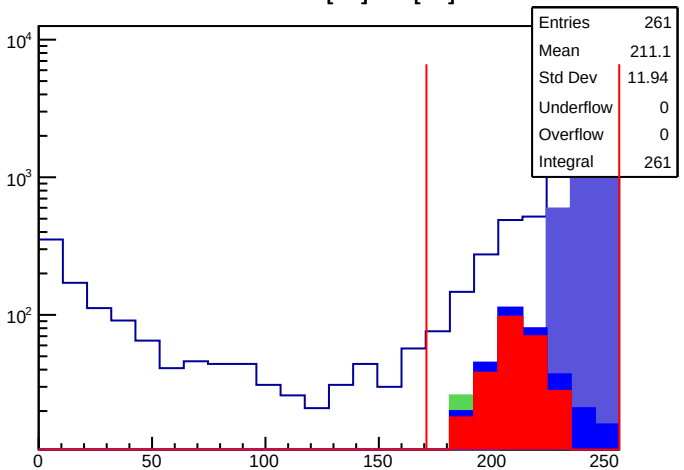

pKurama Sch[53]-Tof[20]
Entries 1265
Mean 0.608
Std Dev 0.08401
Underflow 0
Overflow 0
Integral 1265
120
100
80
60
40
20
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

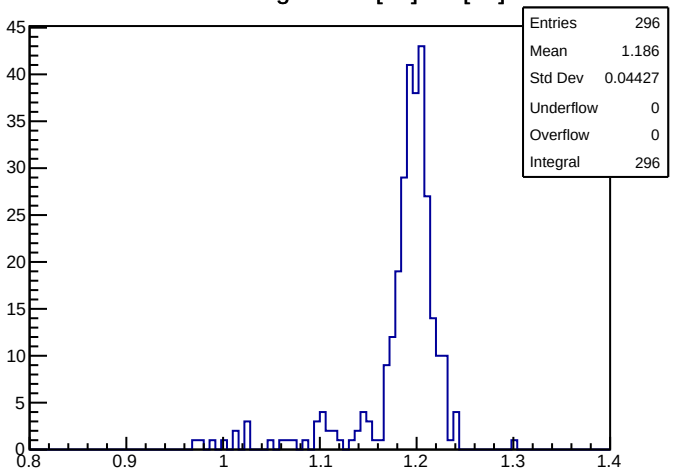

sftx all Sch[53]-Tof[21]
Entries 543
Mean 228
Std Dev 16.58
Underflow 1
Overflow 0
Integral 542

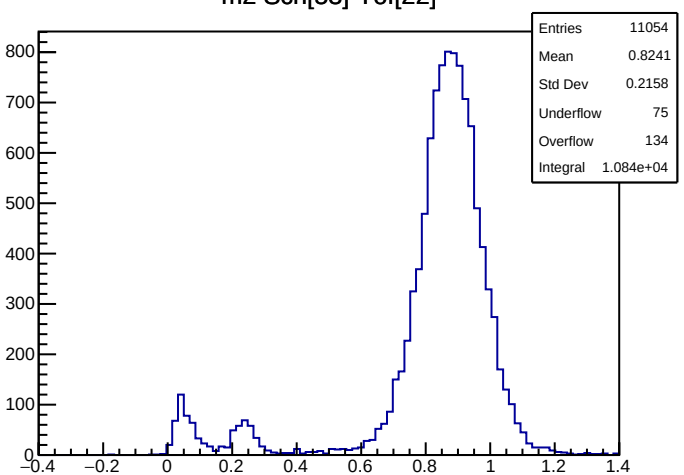

MissMass Sigma Sch[53]-Tof[21]
Entries 574
Mean 1.201
Std Dev 0.02968
Underflow 3
Overflow 0
Integral 571

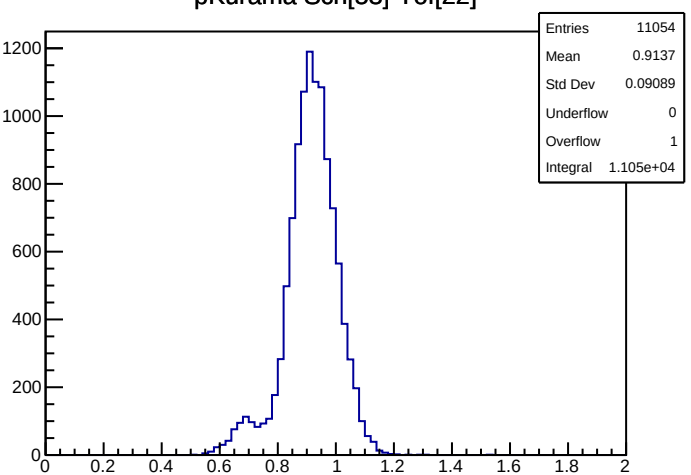

m2 Sch[53]-Tof[21]
Entries 5355
Mean 0.6888
Std Dev 0.2914
Underflow 45
Overflow 74
Integral 5236

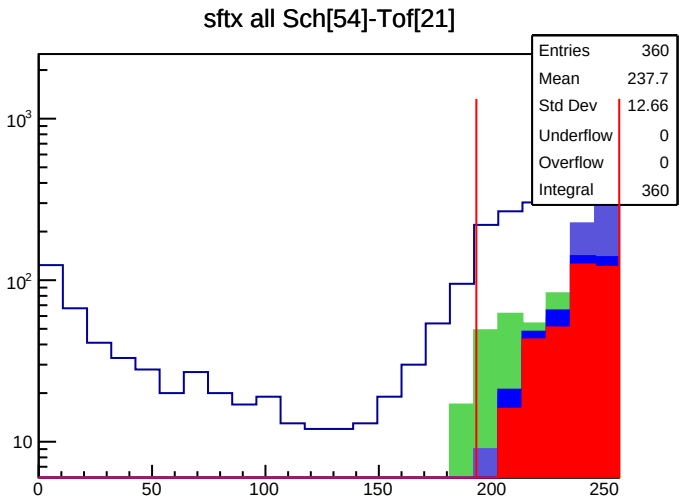

pKurama Sch[53]-Tof[21]
Entries 5355
Mean 0.7672
Std Dev 0.07738
Underflow 0
Overflow 1
Integral 5354

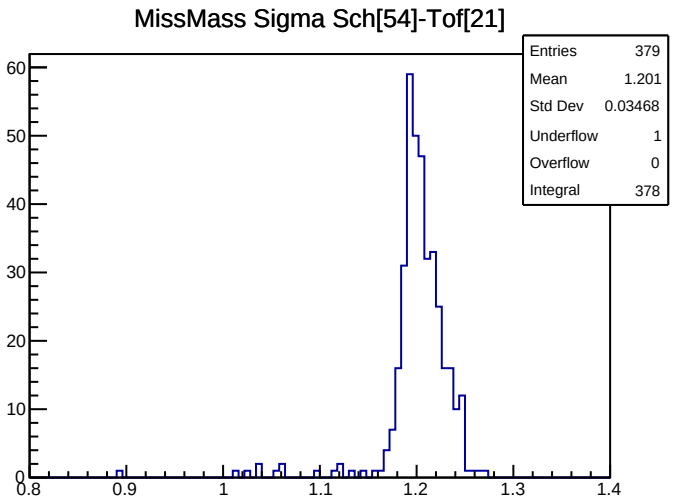

sftx all Sch[53]-Tof[22]
Entries 261
Mean 211.1
Std Dev 11.94
Underflow 0
Overflow 0
Integral 261

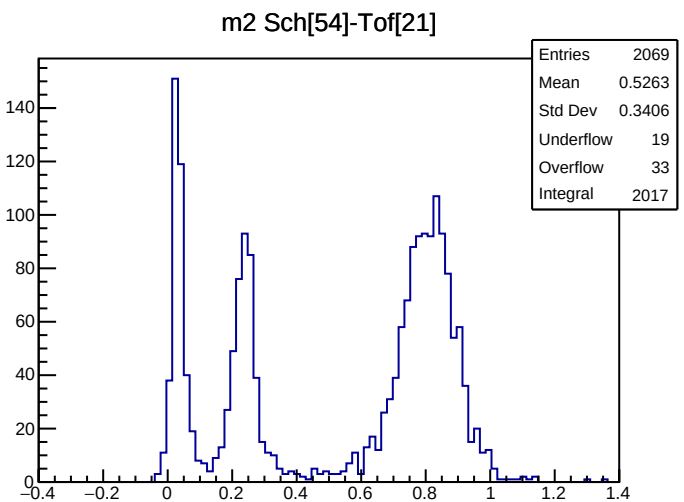

MissMass Sigma Sch[53]-Tof[22]
Entries 296
Mean 1.186
Std Dev 0.04427
Underflow 0
Overflow 0
Integral 296

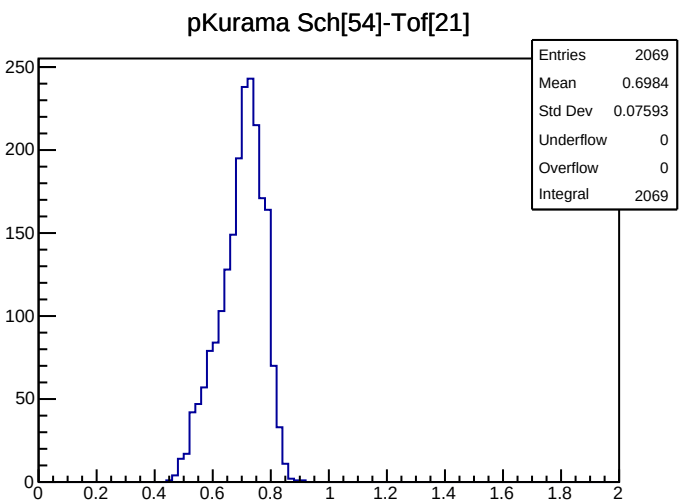

m2 Sch[53]-Tof[22]
Entries 11054
Mean 0.8241
Std Dev 0.2158
Underflow 75
Overflow 134
Integral 1.084e+04

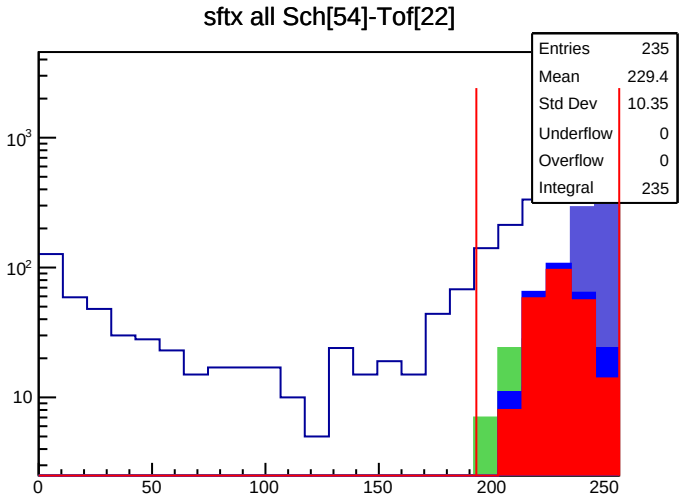

pKurama Sch[53]-Tof[22]
Entries 11054
Mean 0.9137
Std Dev 0.09089
Underflow 0
Overflow 1
Integral 1.105e+04

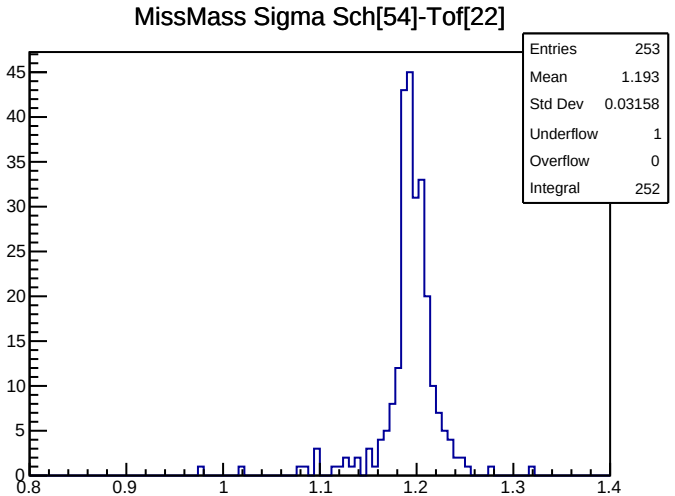

sftx all Sch[54]-Tof[21]
Entries 360
Mean 237.7
Std Dev 12.66
Underflow 0
Overflow 0
Integral 360

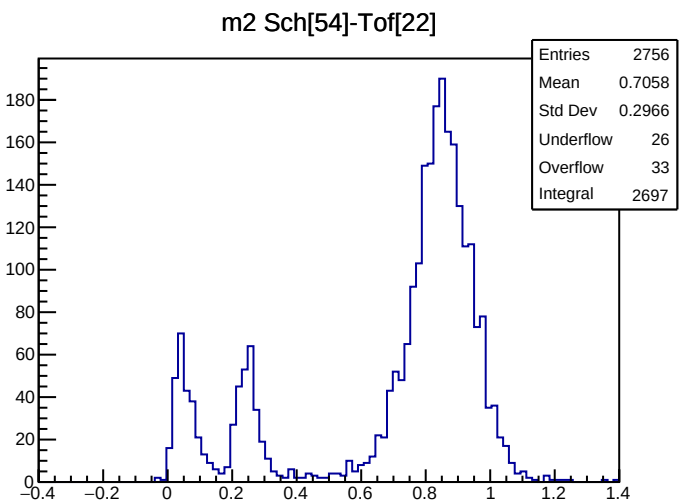

MissMass Sigma Sch[54]-Tof[21]
Entries 379
Mean 1.201
Std Dev 0.03468
Underflow 1
Overflow 0
Integral 378

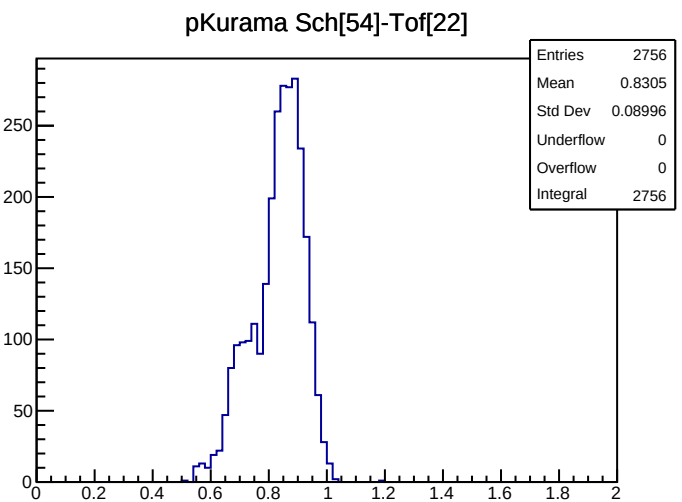

m2 Sch[54]-Tof[21]
Entries 2069
Mean 0.5263
Std Dev 0.3406
Underflow 19
Overflow 33
Integral 2017

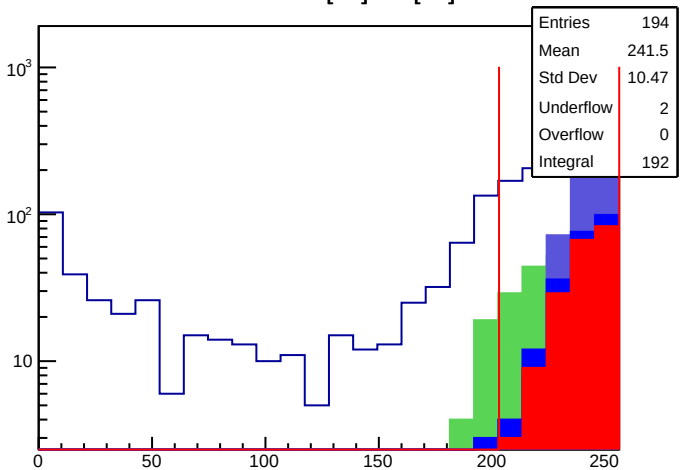

pKurama Sch[54]-Tof[21]
Entries 2069
Mean 0.6984
Std Dev 0.07593
Underflow 0
Overflow 0
Integral 2069

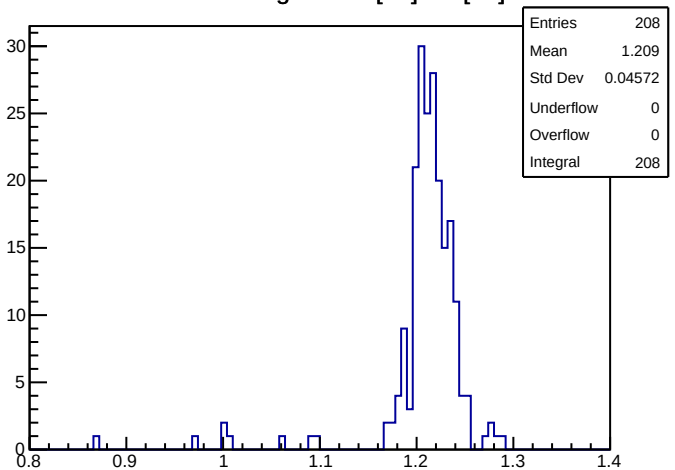

sftx all Sch[54]-Tof[22]
Entries 235
Mean 229.4
Std Dev 10.35
Underflow 0
Overflow 0
Integral 235

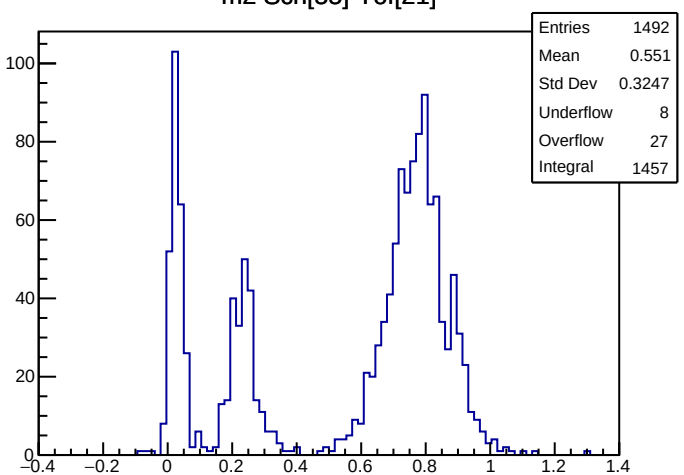

MissMass Sigma Sch[54]-Tof[22]
Entries 253
Mean 1.193
Std Dev 0.03158
Underflow 1
Overflow 0
Integral 252

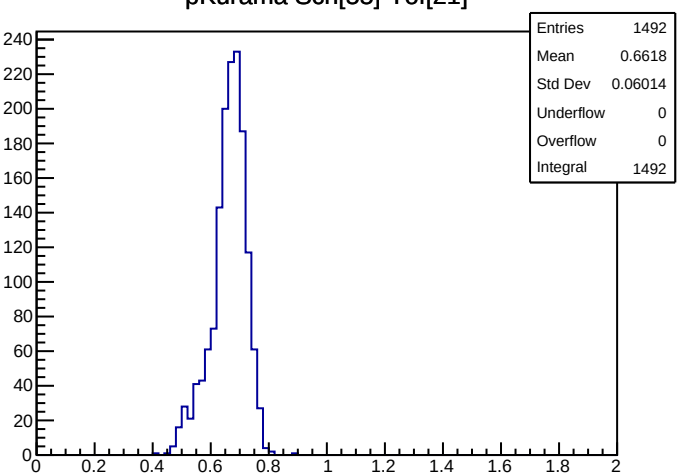

m2 Sch[54]-Tof[22]
Entries 2756
Mean 0.7058
Std Dev 0.2966
Underflow 26
Overflow 33
Integral 2697

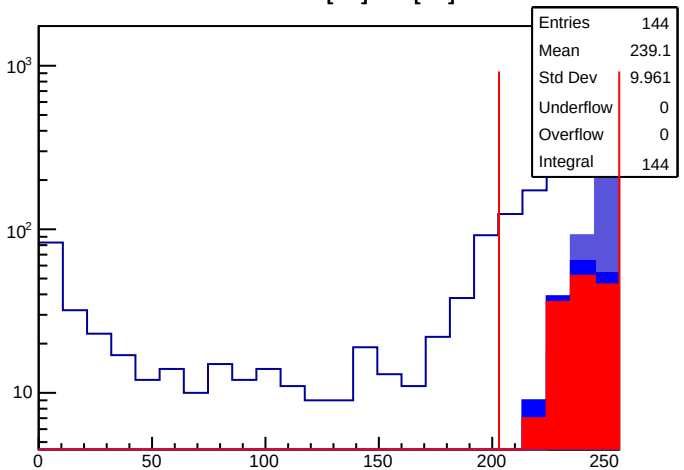

pKurama Sch[54]-Tof[22]
Entries 2756
Mean 0.8305
Std Dev 0.08996
Underflow 0
Overflow 0
Integral 2756

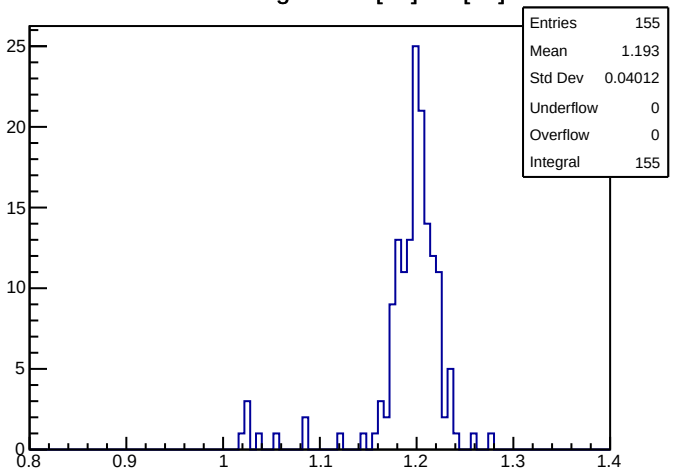

sftx all Sch[55]-Tof[21]
Entries 194
Mean 241.5
Std Dev 10.47
Underflow 2
Overflow 0
Integral 192

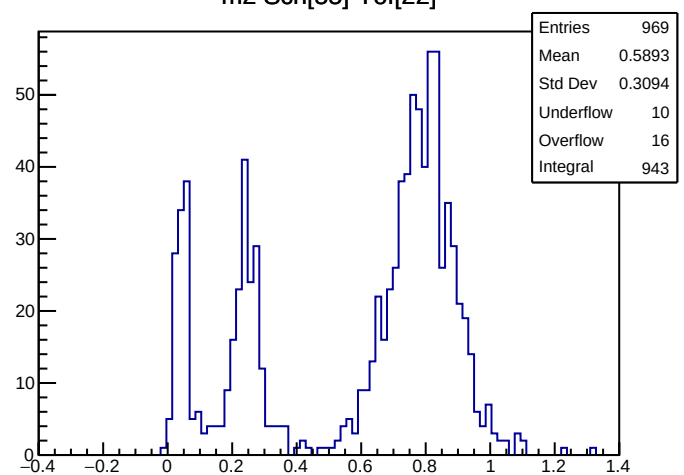

MissMass Sigma Sch[55]-Tof[21]
Entries 208
Mean 1.209
Std Dev 0.04572
Underflow 0
Overflow 0
Integral 208

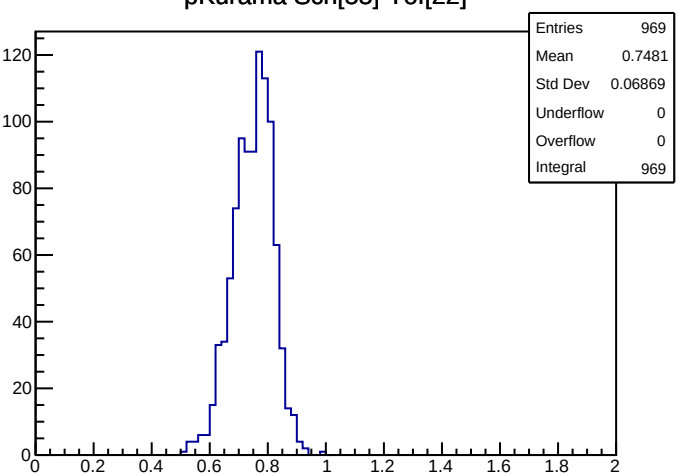

m2 Sch[55]-Tof[21]
Entries 1492
Mean 0.551
Std Dev 0.3247
Underflow 8
Overflow 27
Integral 1457

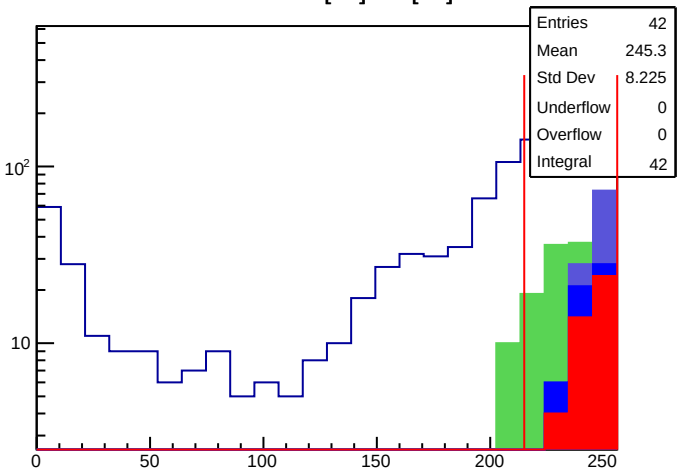

pKurama Sch[55]-Tof[21]
Entries 1492
Mean 0.6618
Std Dev 0.06014
Underflow 0
Overflow 0
Integral 1492

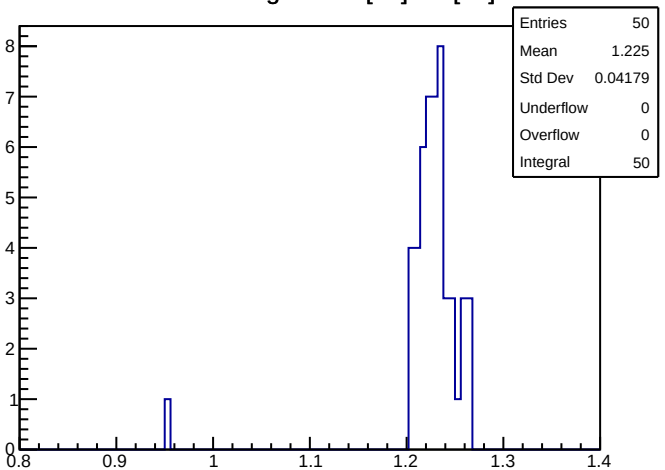

sftx all Sch[55]-Tof[22]
Entries 144
Mean 239.1
Std Dev 9.961
Underflow 0
Overflow 0
Integral 144

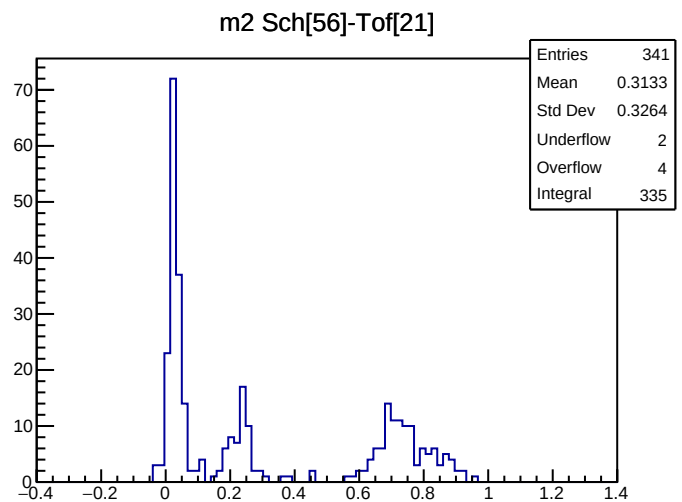

MissMass Sigma Sch[55]-Tof[22]
Entries 155
Mean 1.193
Std Dev 0.04012
Underflow 0
Overflow 0
Integral 155

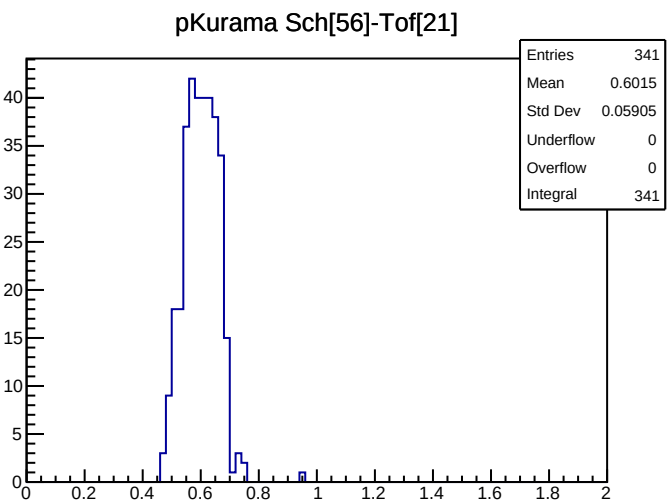

m2 Sch[55]-Tof[22]
Entries 969
Mean 0.5893
Std Dev 0.3094
Underflow 10
Overflow 16
Integral 943

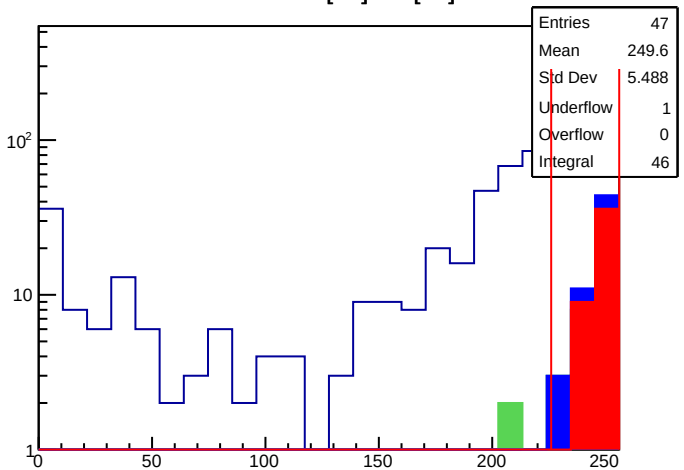

pKurama Sch[55]-Tof[22]
Entries 969
Mean 0.7481
Std Dev 0.06869
Underflow 0
Overflow 0
Integral 969

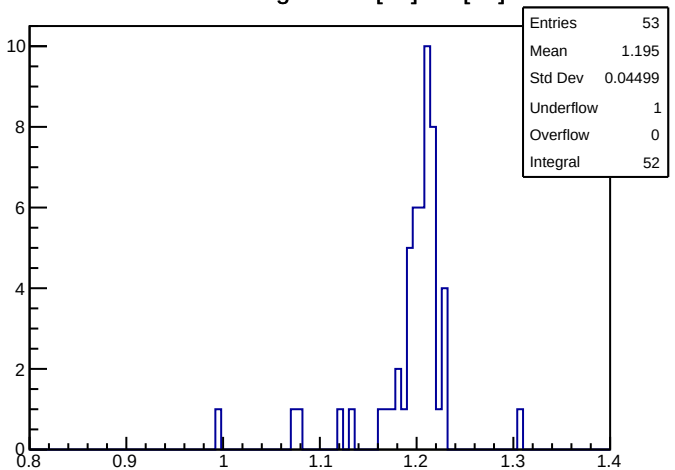

sftx all Sch[56]-Tof[21]
Entries 42
Mean 245.3
Std Dev 8.225
Underflow 0
Overflow 0
Integral 42
10^2
10
0
50
100
150
200
250

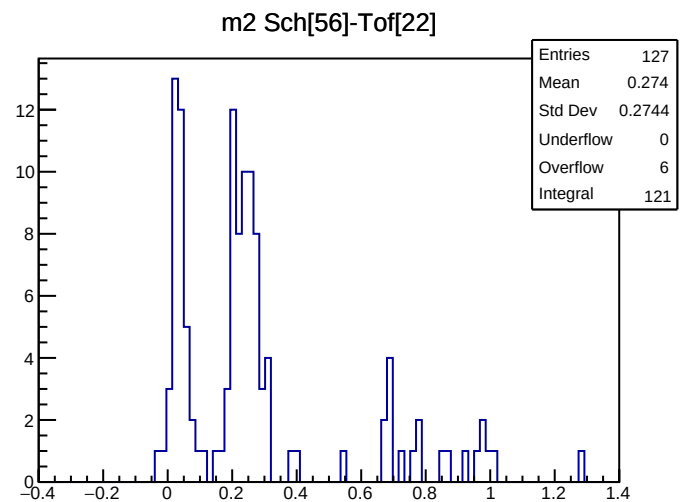

MissMass Sigma Sch[56]-Tof[21]
Entries 50
Mean 1.225
Std Dev 0.04179
Underflow 0
Overflow 0
Integral 50
0
1
2
3
4
5
6
7
8
0.8
0.9
1
1.1
1.2
1.3
1.4

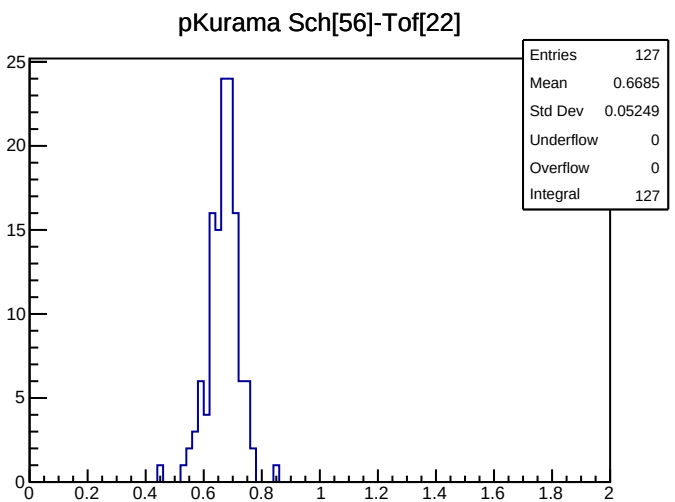

m2 Sch[56]-Tof[21]
Entries 341
Mean 0.3133
Std Dev 0.3264
Underflow 2
Overflow 4
Integral 335
0
10
20
30
40
50
60
70
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4

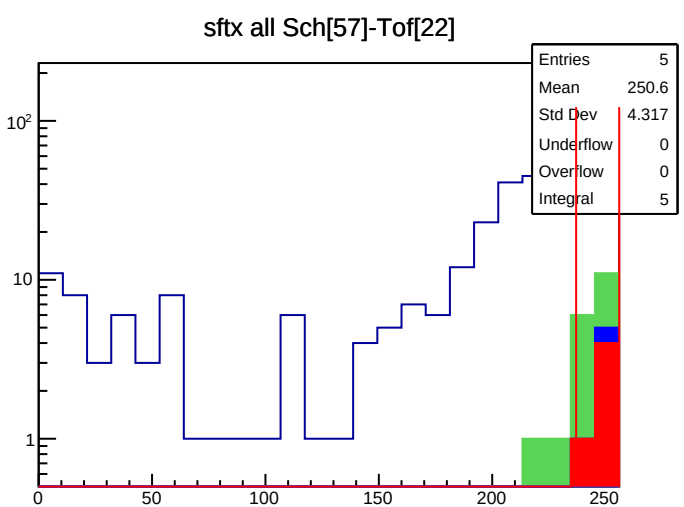

pKurama Sch[56]-Tof[21]
Entries 341
Mean 0.6015
Std Dev 0.05905
Underflow 0
Overflow 0
Integral 341
0
5
10
15
20
25
30
35
40
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

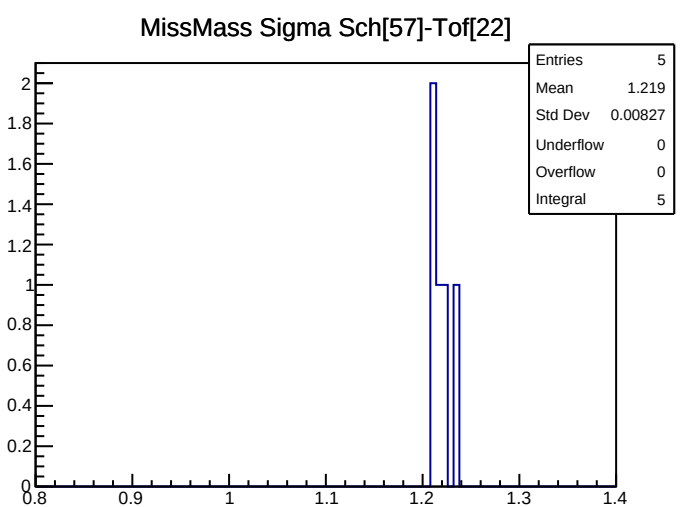

sftx all Sch[56]-Tof[22]
Entries 47
Mean 249.6
Std Dev 5.488
Underflow 1
Overflow 0
Integral 46

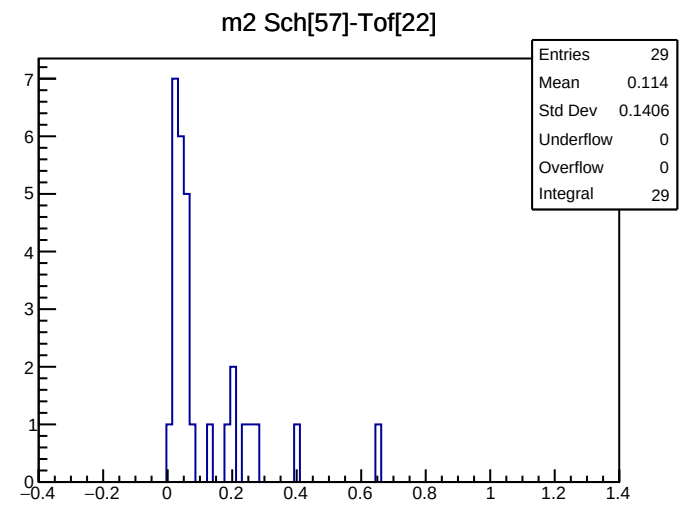

MissMass Sigma Sch[56]-Tof[22]
Entries 53
Mean 1.195
Std Dev 0.04499
Underflow 1
Overflow 0
Integral 52

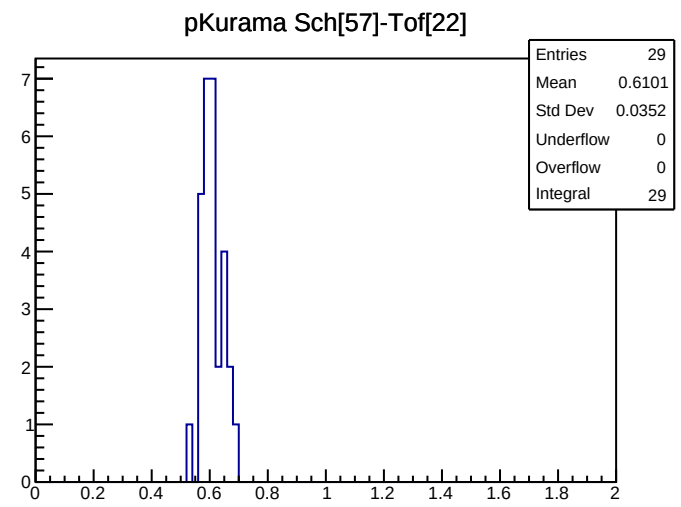

m2 Sch[56]-Tof[22]
Entries 127
Mean 0.274
Std Dev 0.2744
Underflow 0
Overflow 6
Integral 121


pKurama Sch[56]-Tof[22]
Entries 127
Mean 0.6685
Std Dev 0.05249
Underflow 0
Overflow 0
Integral 127


sftx all Sch[57]-Tof[22]
Entries 5
Mean 250.6
Std Dev 4.317
Underflow 0
Overflow 0
Integral 5
10²
10
1
0
50
100
150
200
250


MissMass Sigma Sch[57]-Tof[22]
Entries 5
Mean 1.219
Std Dev 0.00827
Underflow 0
Overflow 0
Integral 5
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0.8
0.9
1
1.1
1.2
1.3
1.4


m2 Sch[57]-Tof[22]
Entries 29
Mean 0.114
Std Dev 0.1406
Underflow 0
Overflow 0
Integral 29
7
6
5
4
3
2
1
0
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4


pKurama Sch[57]-Tof[22]
Entries 29
Mean 0.6101
Std Dev 0.0352
Underflow 0
Overflow 0
Integral 29
7
6
5
4
3
2
1
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2