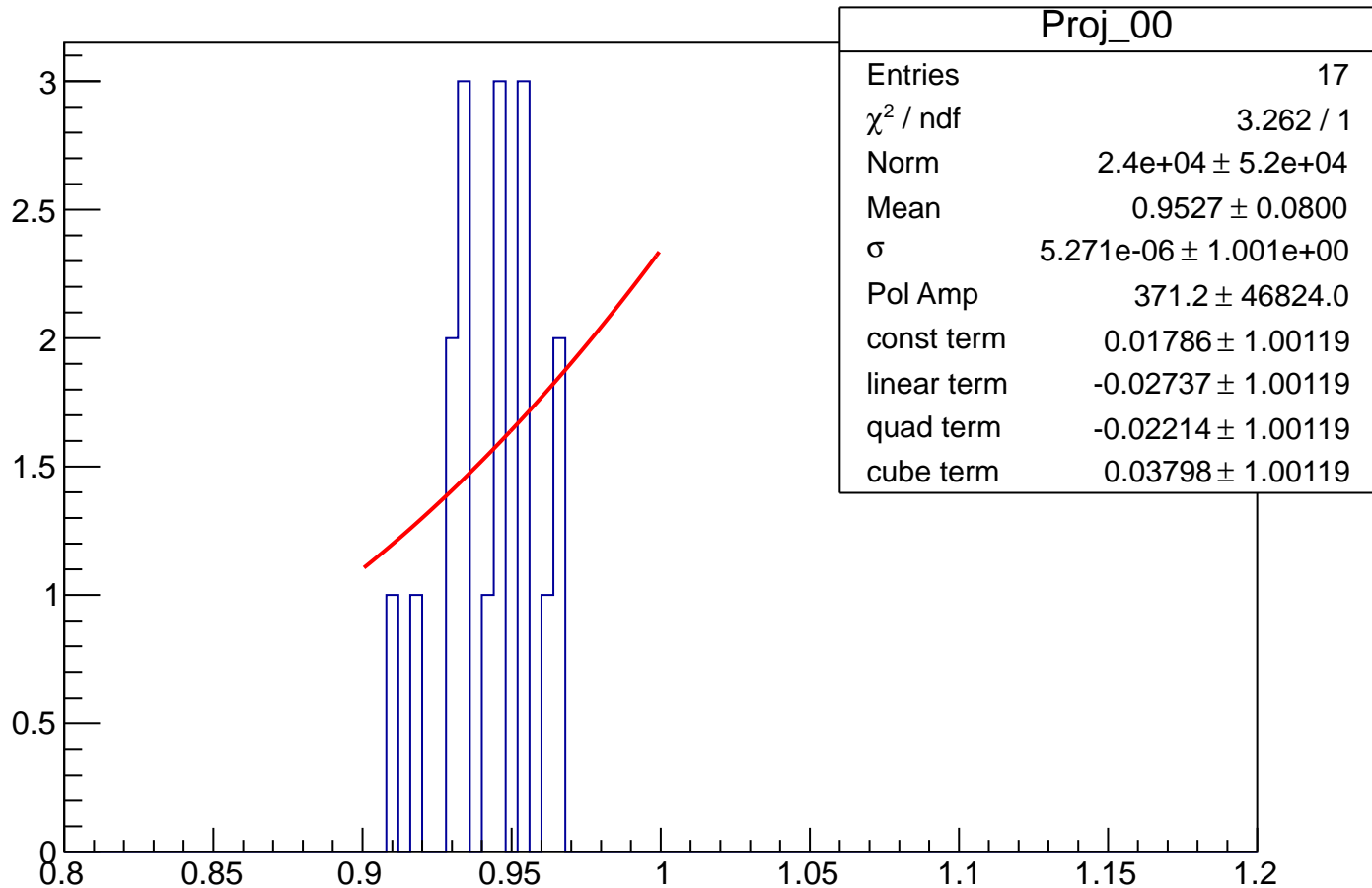
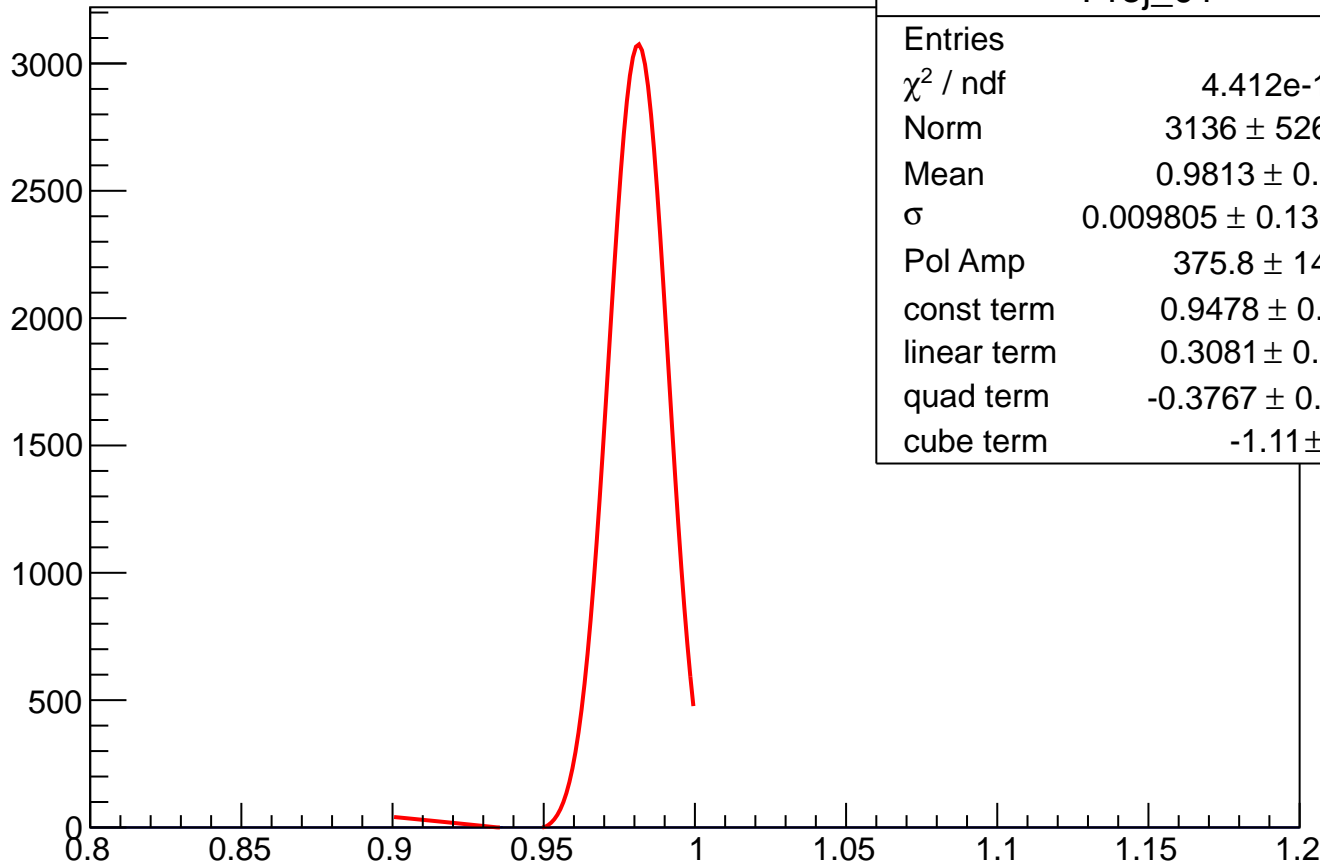


PhiThetaMassPip



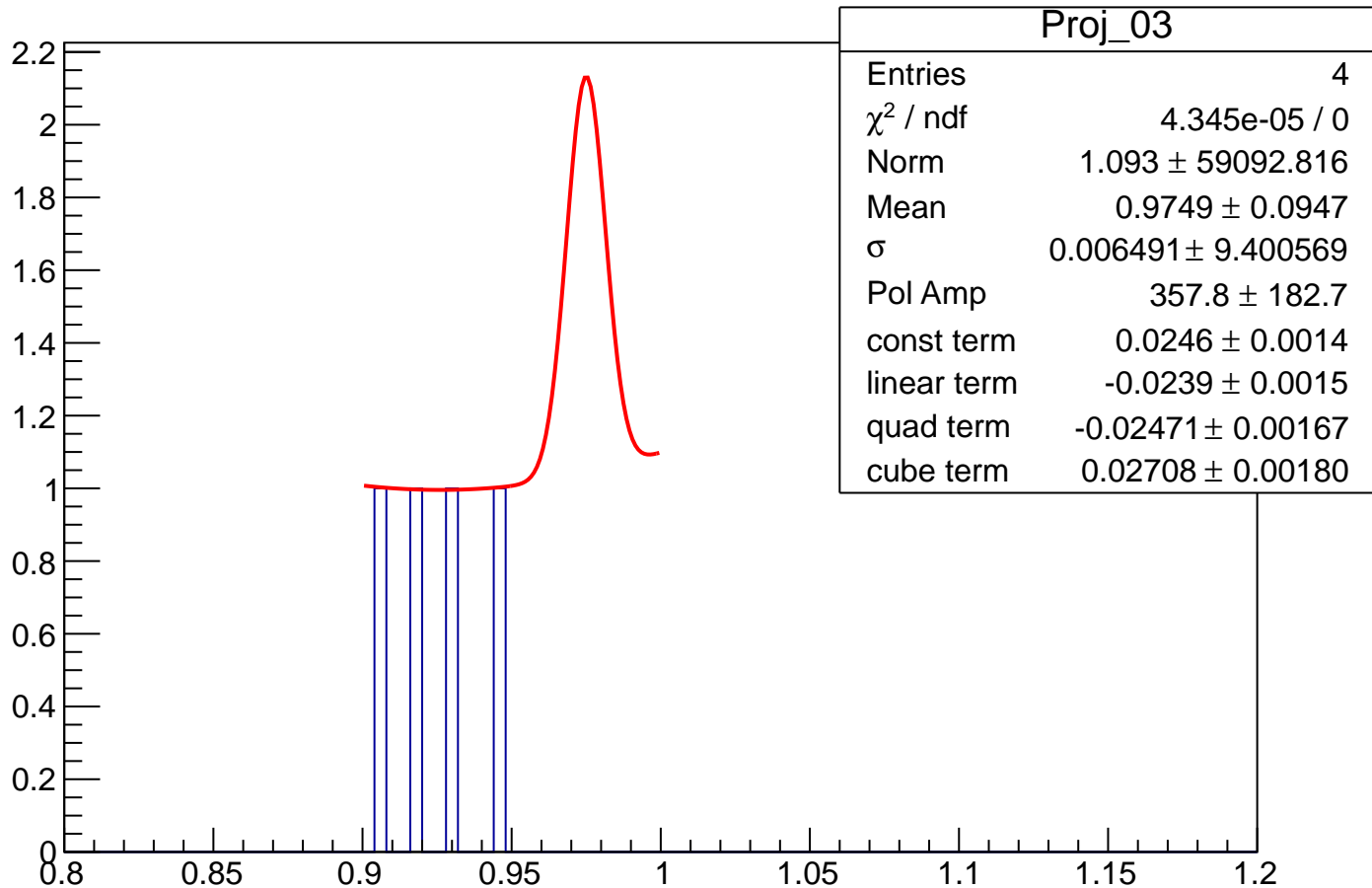
PhiThetaMassPip



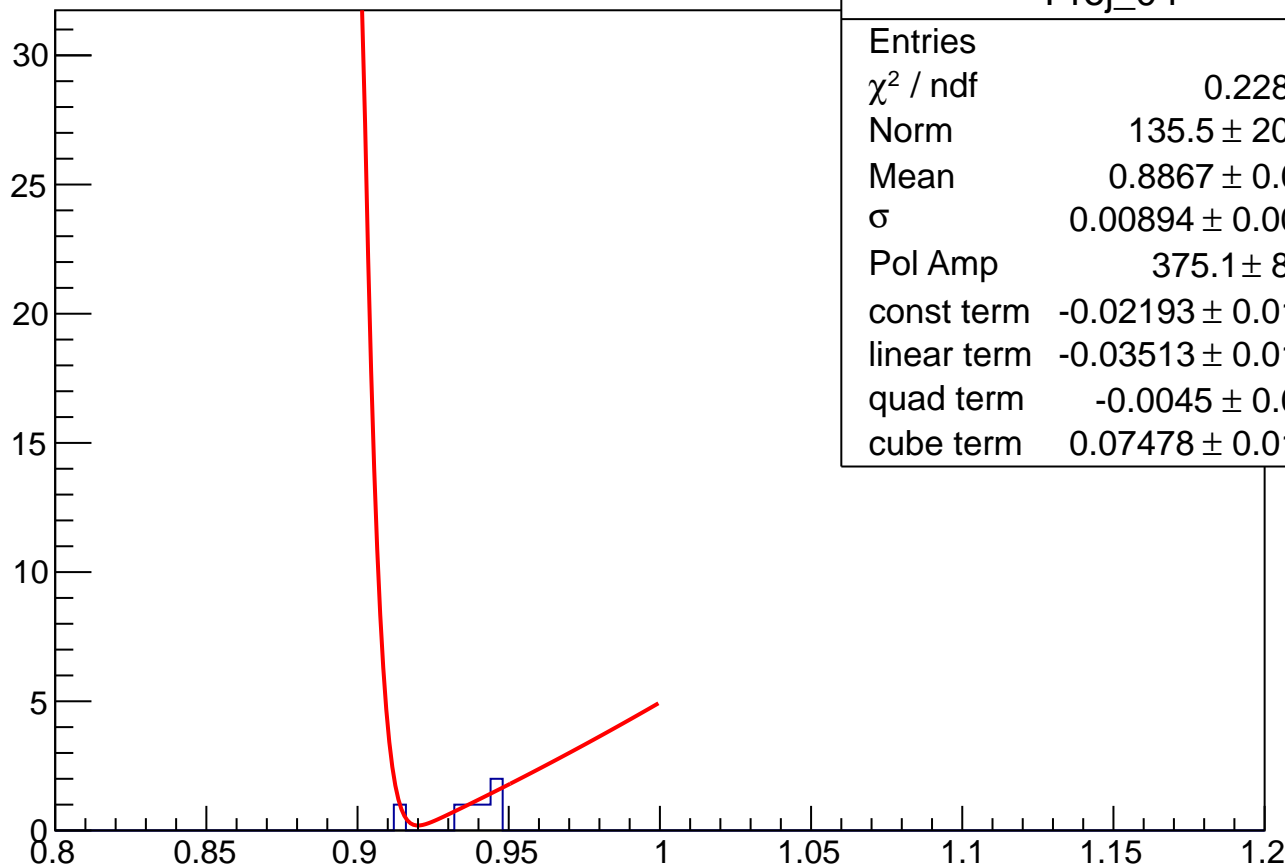
Proj_01

Entries	1
χ^2 / ndf	4.412e-14 / 0
Norm	3136 ± 52644.7
Mean	0.9813 ± 0.0933
σ	0.009805 ± 0.130078
Pol Amp	375.8 ± 1457.0
const term	0.9478 ± 0.0101
linear term	0.3081 ± 0.0108
quad term	-0.3767 ± 0.0115
cube term	-1.11 ± 0.01

PhiThetaMassPip



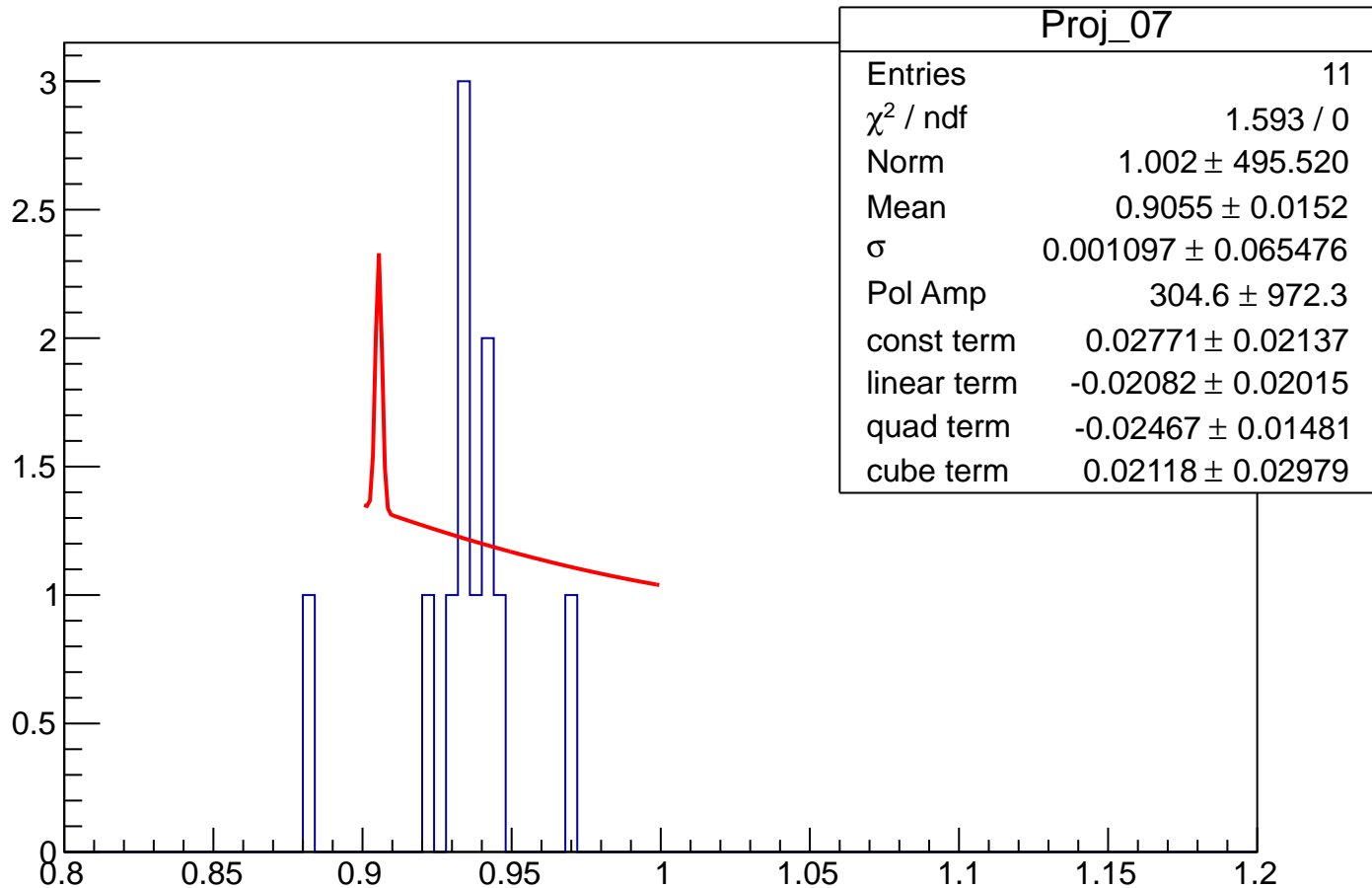
PhiThetaMassPip



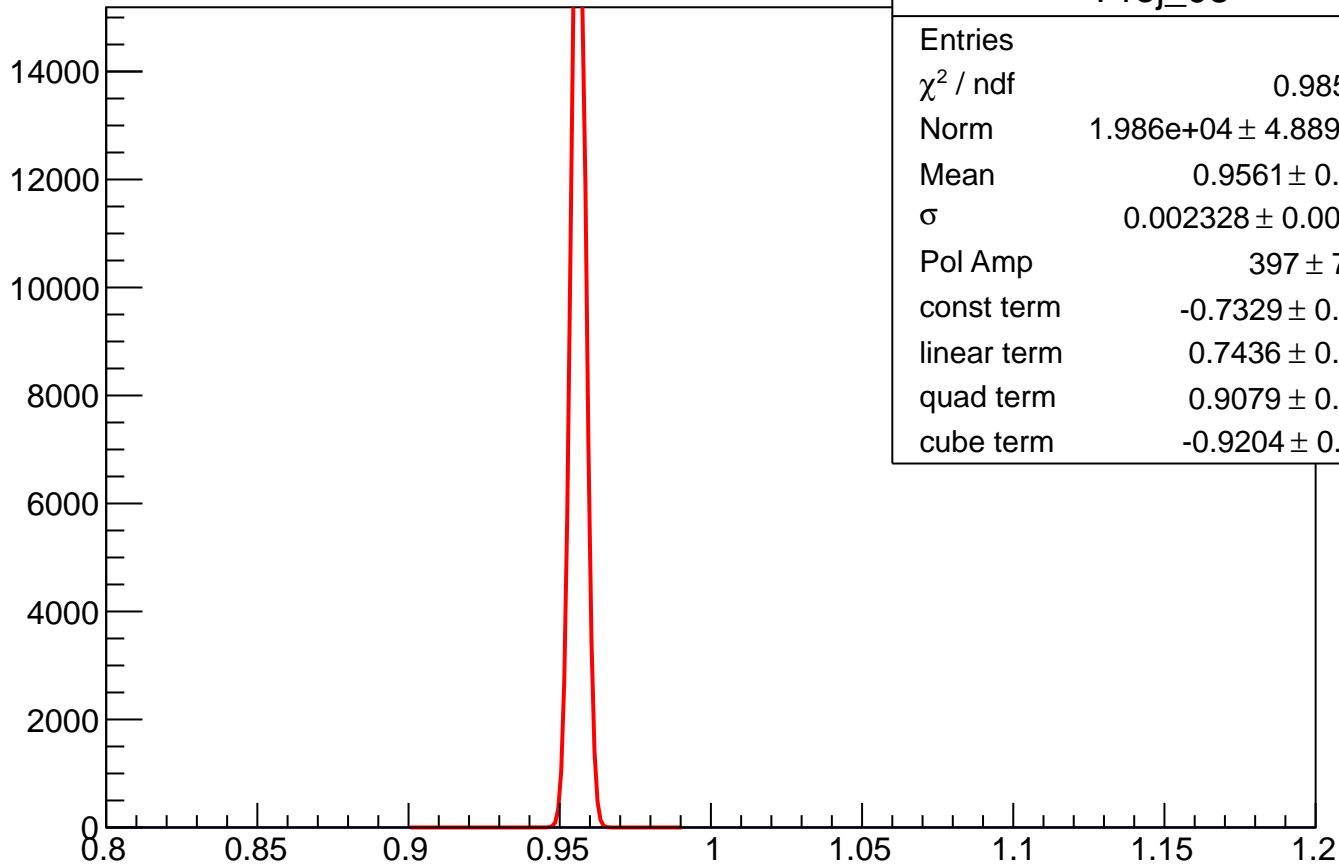
Proj_04

Entries	6
χ^2 / ndf	0.2288 / 0
Norm	135.5 ± 2080.8
Mean	0.8867 ± 0.0505
σ	0.00894 ± 0.00753
Pol Amp	375.1 ± 803.6
const term	-0.02193 ± 0.01500
linear term	-0.03513 ± 0.01615
quad term	-0.0045 ± 0.0174
cube term	0.07478 ± 0.01867

PhiThetaMassPip



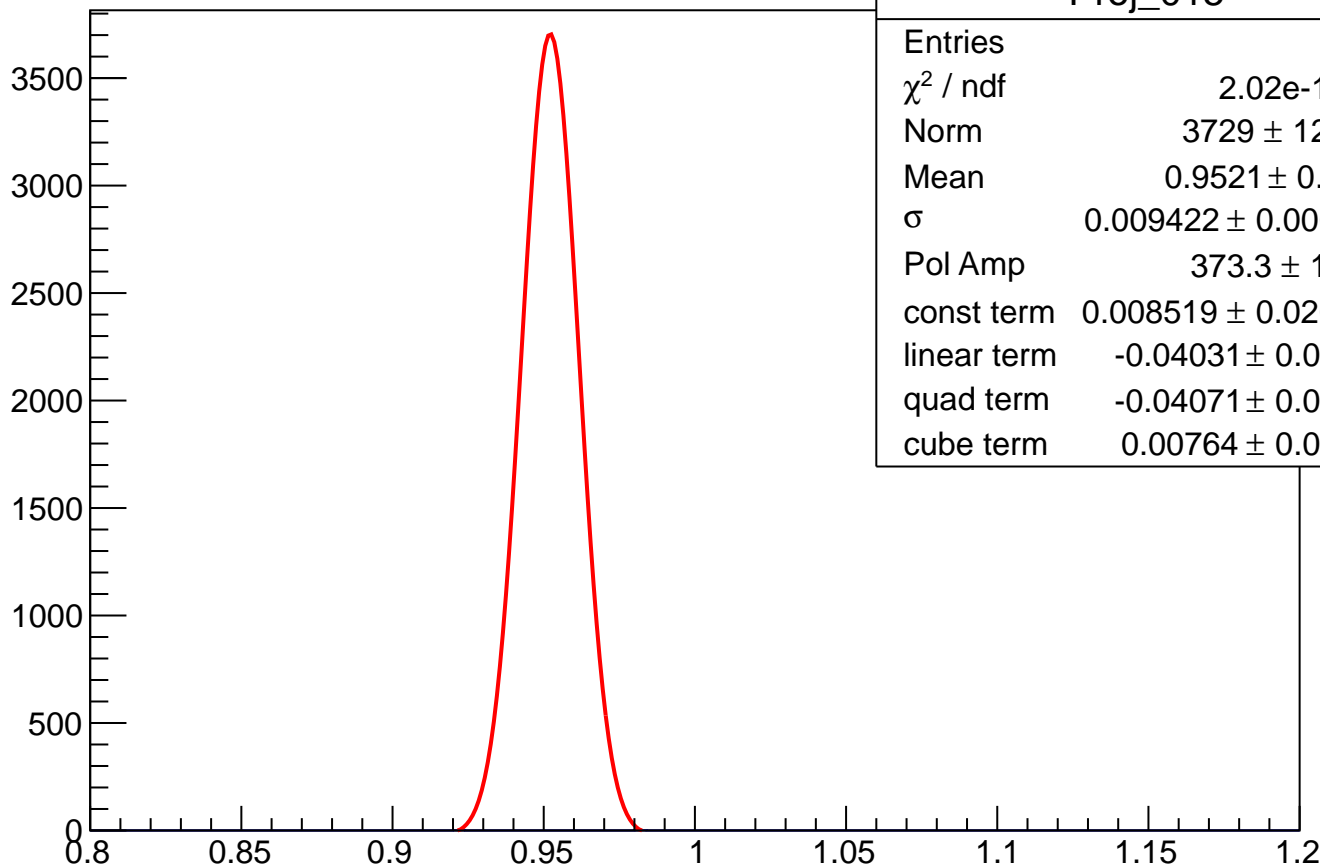
PhiThetaMassPip



Proj_08

Entries	9
χ^2 / ndf	0.9856 / 0
Norm	$1.986\text{e}+04 \pm 4.889\text{e}+04$
Mean	0.9561 ± 0.0054
σ	0.002328 ± 0.001493
Pol Amp	397 ± 767.2
const term	-0.7329 ± 0.0120
linear term	0.7436 ± 0.0136
quad term	0.9079 ± 0.0144
cube term	-0.9204 ± 0.0142

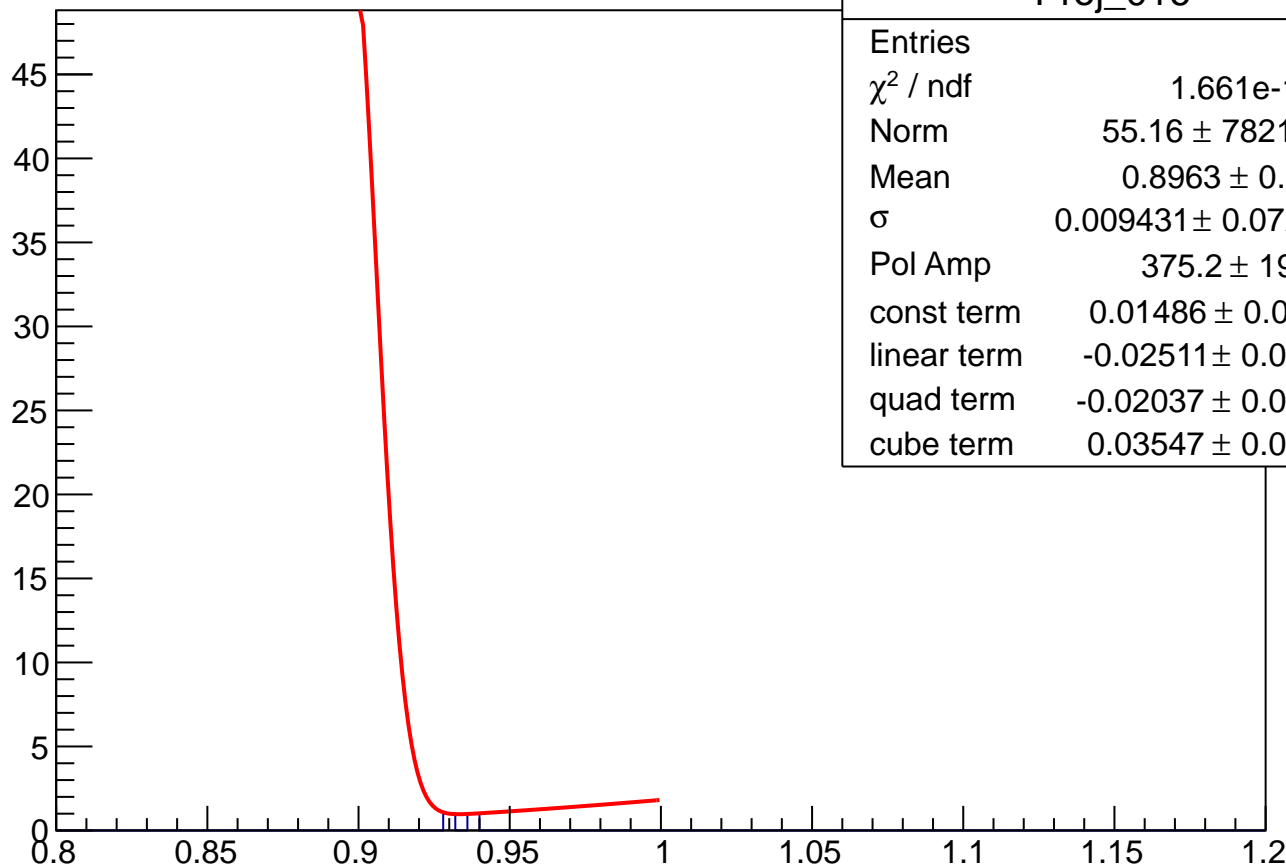
PhiThetaMassPip



Proj_015

Entries	2
χ^2 / ndf	2.02e-13 / 0
Norm	3729 ± 1238.6
Mean	0.9521 ± 0.0001
σ	0.009422 ± 0.000309
Pol Amp	373.3 ± 129.5
const term	0.008519 ± 0.020863
linear term	-0.04031 ± 0.02193
quad term	-0.04071 ± 0.02299
cube term	0.00764 ± 0.02403

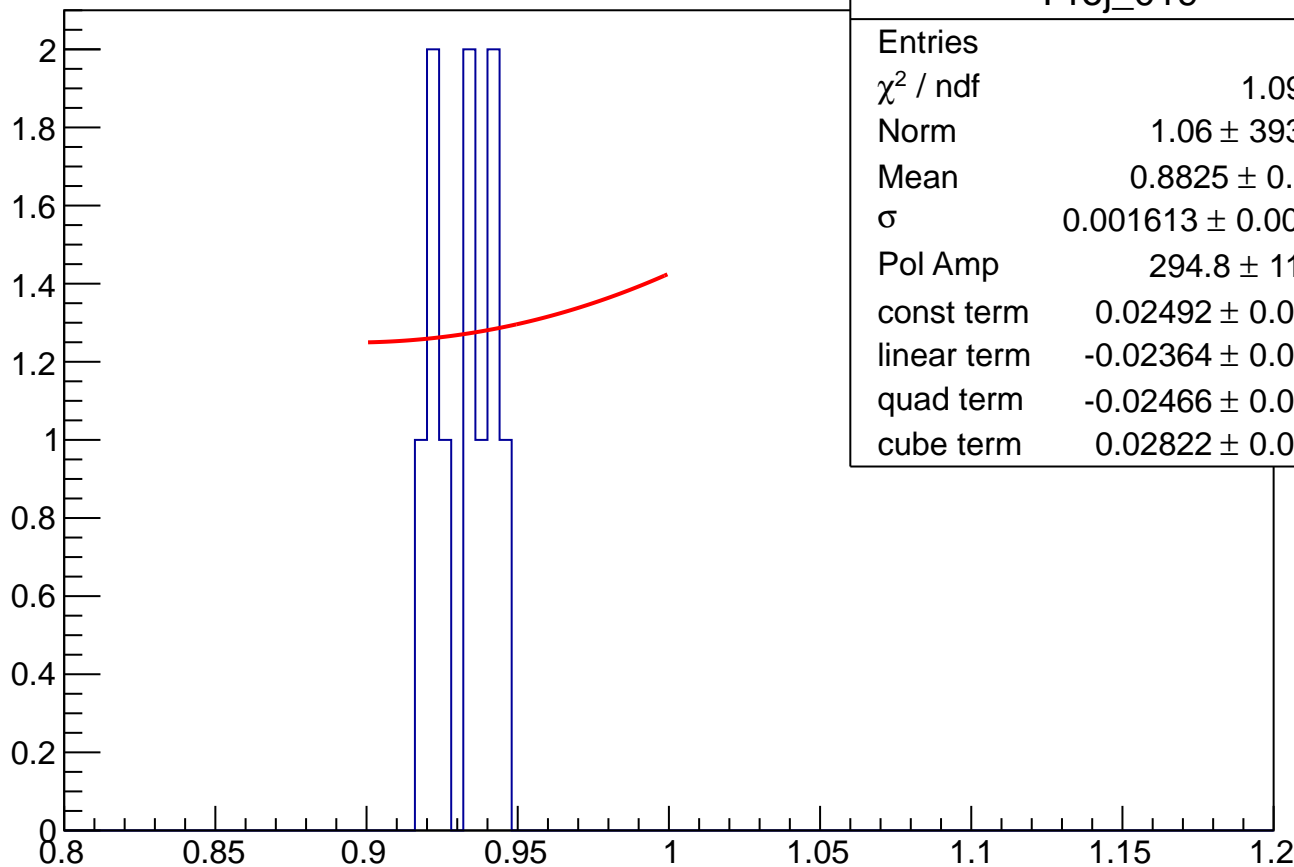
PhiThetaMassPip



Proj_016

Entries	2
χ^2 / ndf	1.661e-11 / 0
Norm	55.16 ± 78212.26
Mean	0.8963 ± 0.0615
σ	0.009431 ± 0.072820
Pol Amp	375.2 ± 1970.9
const term	0.01486 ± 0.01152
linear term	-0.02511 ± 0.01232
quad term	-0.02037 ± 0.01318
cube term	0.03547 ± 0.01409

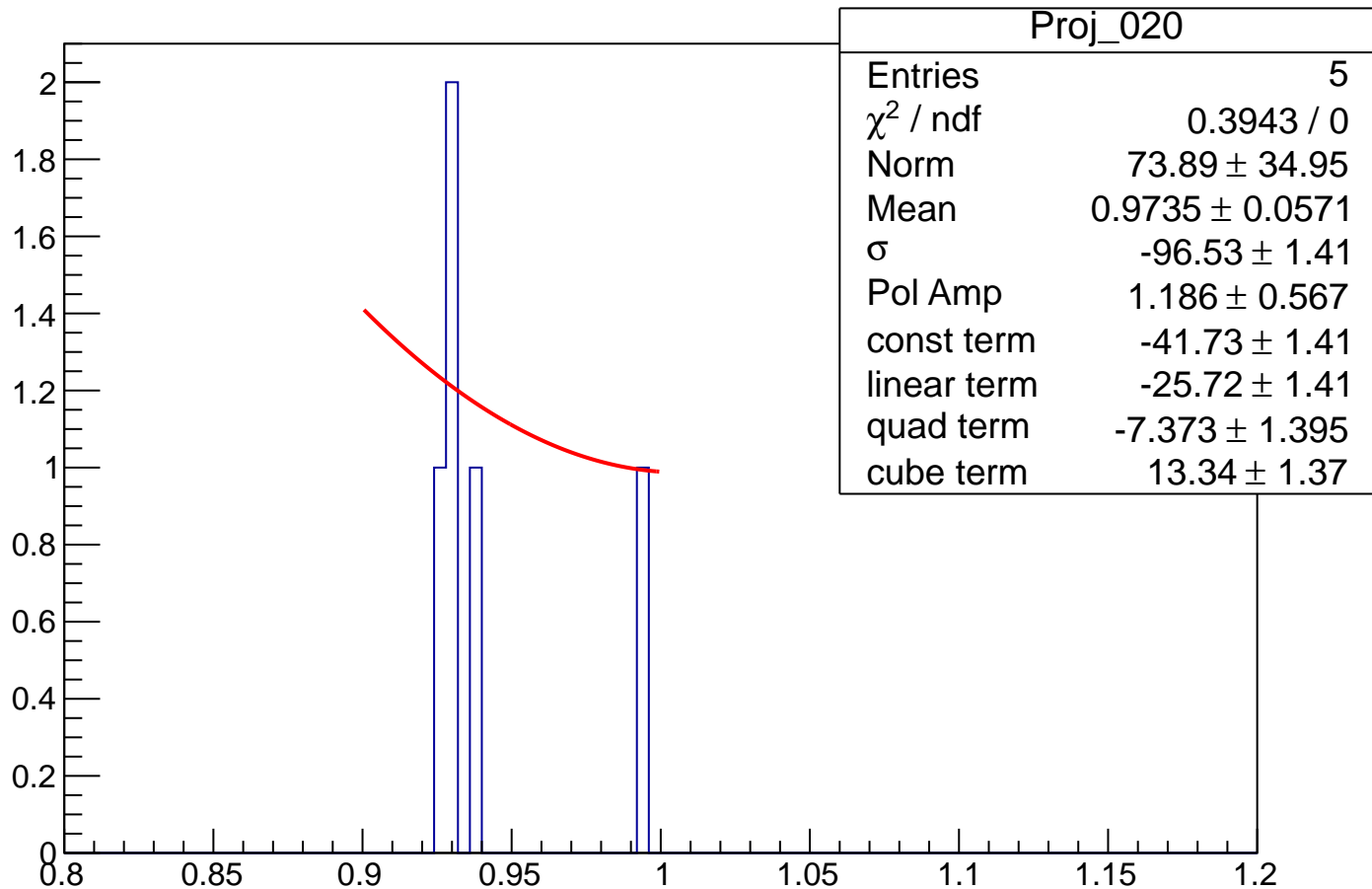
PhiThetaMassPip



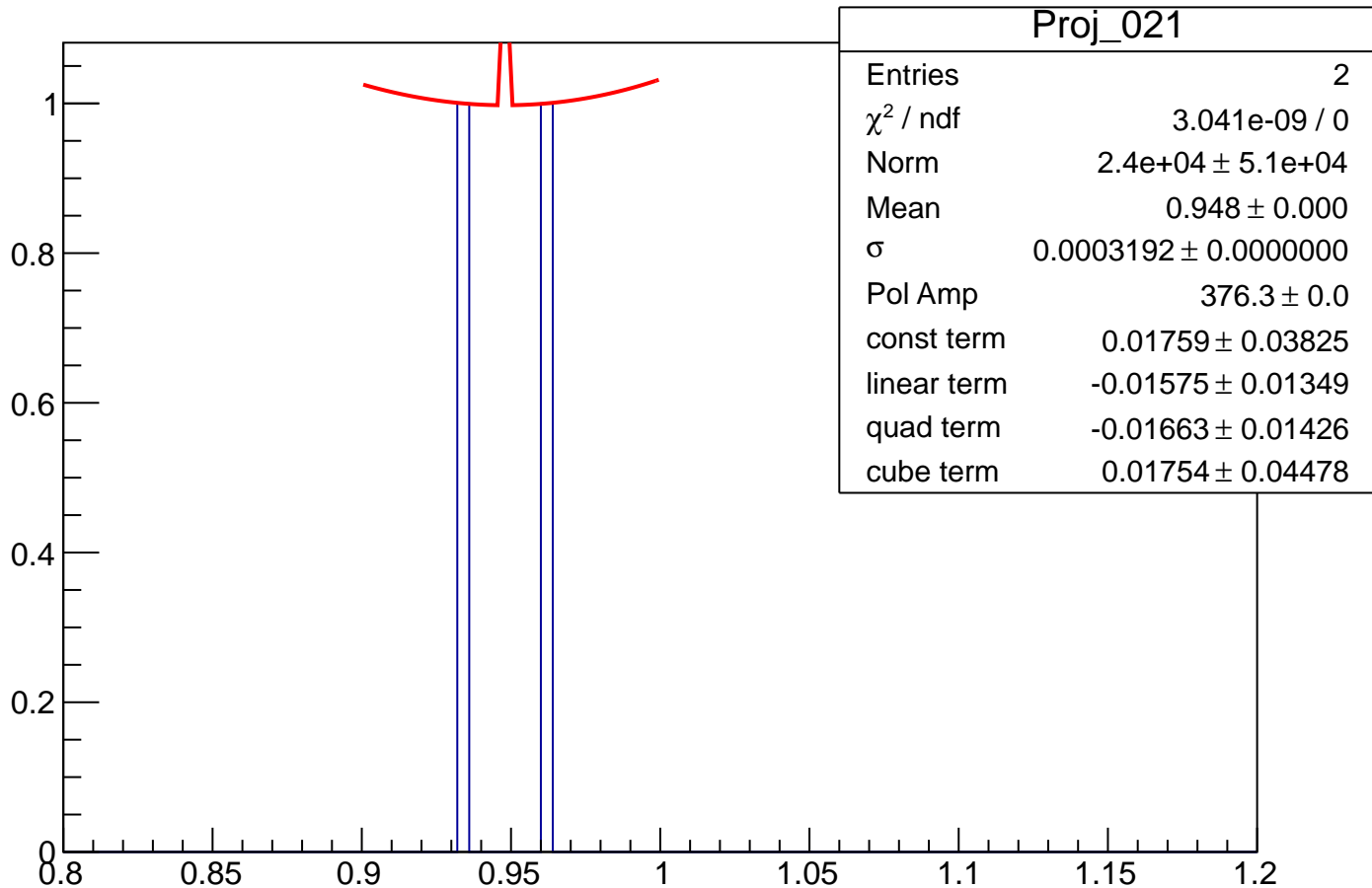
Proj_019

Entries	10
χ^2 / ndf	1.092 / 0
Norm	1.06 ± 3935.32
Mean	0.8825 ± 0.0615
σ	0.001613 ± 0.005181
Pol Amp	294.8 ± 1142.7
const term	0.02492 ± 0.01324
linear term	-0.02364 ± 0.01566
quad term	-0.02466 ± 0.01573
cube term	0.02822 ± 0.01686

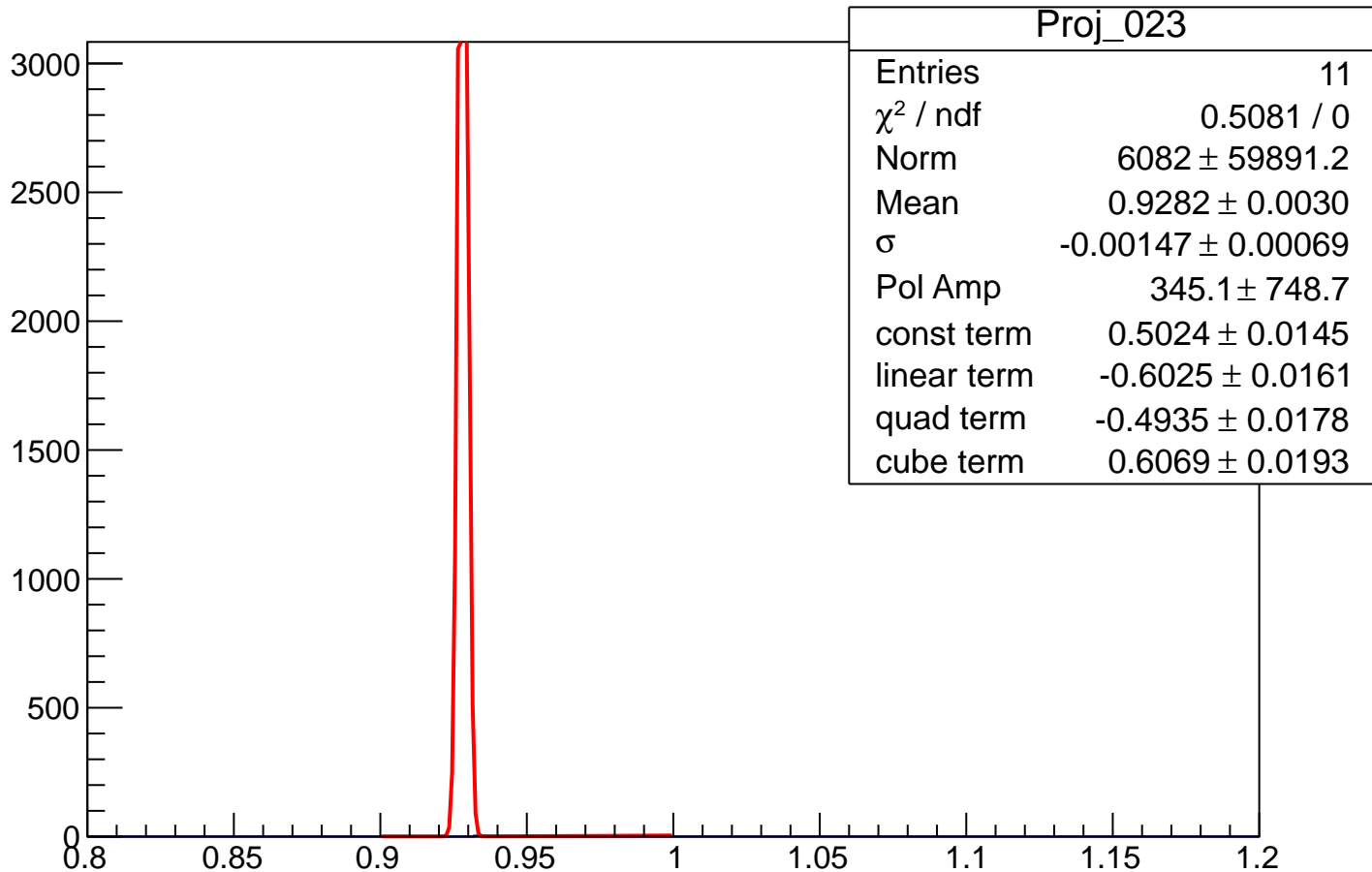
PhiThetaMassPip



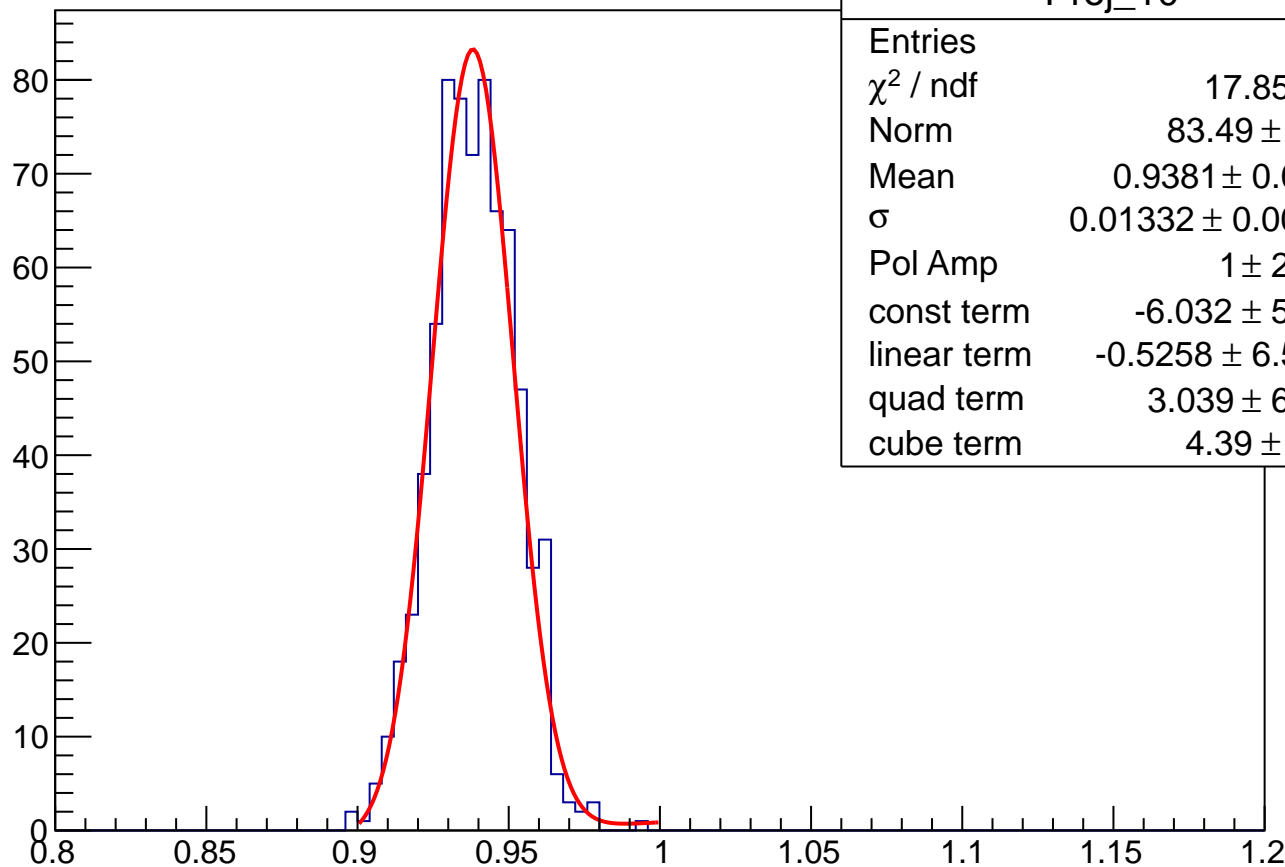
PhiThetaMassPip



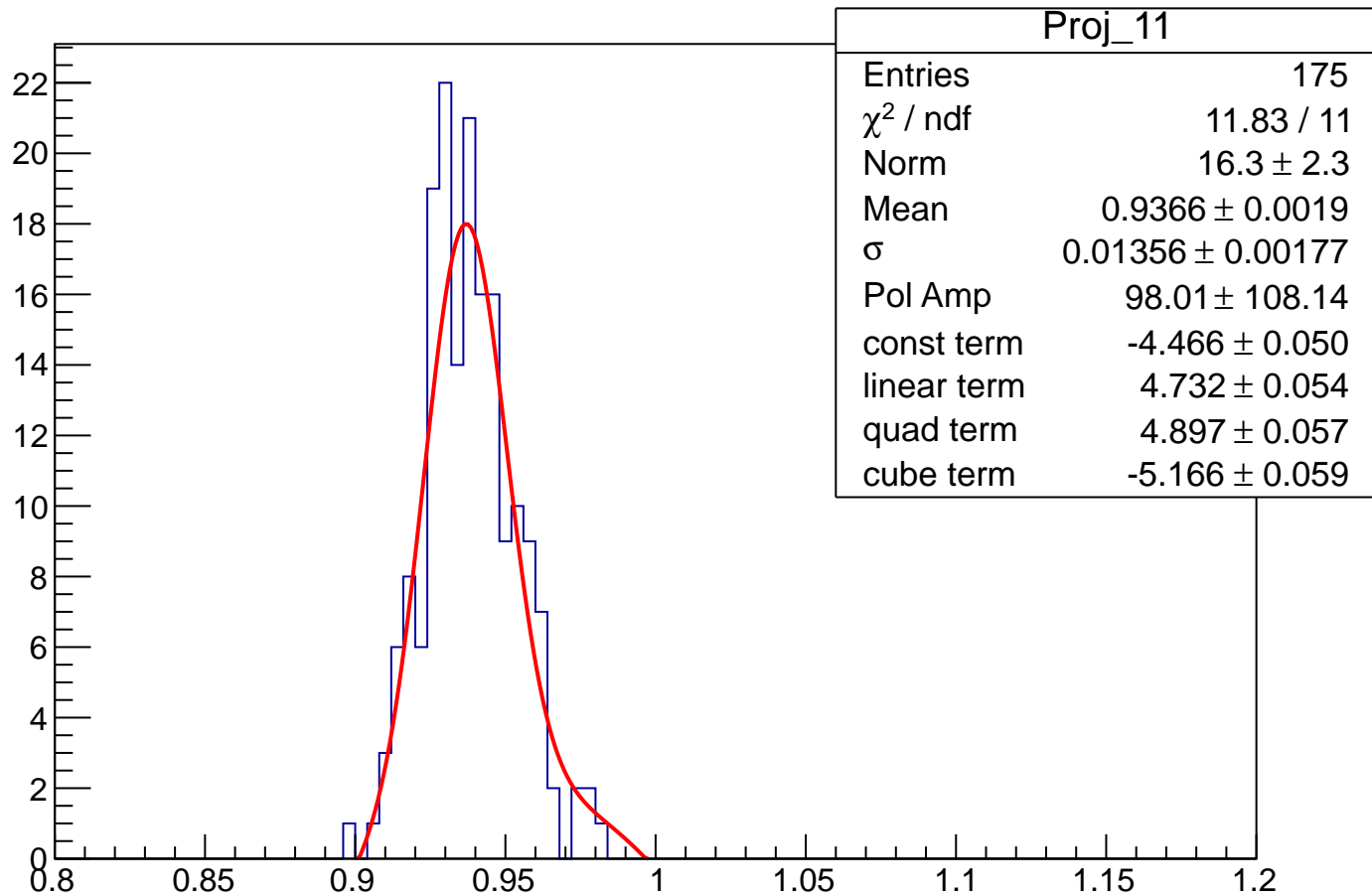
PhiThetaMassPip



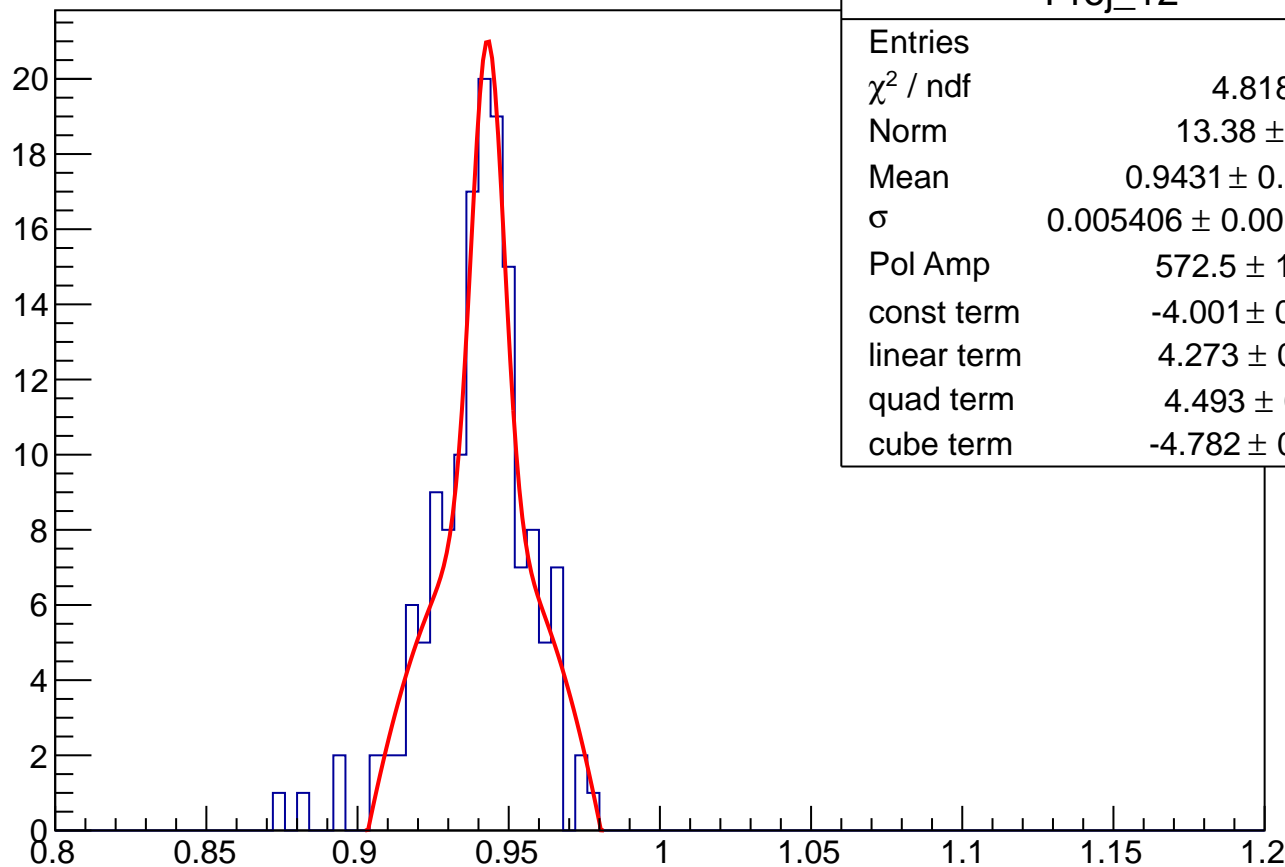
PhiThetaMassPip



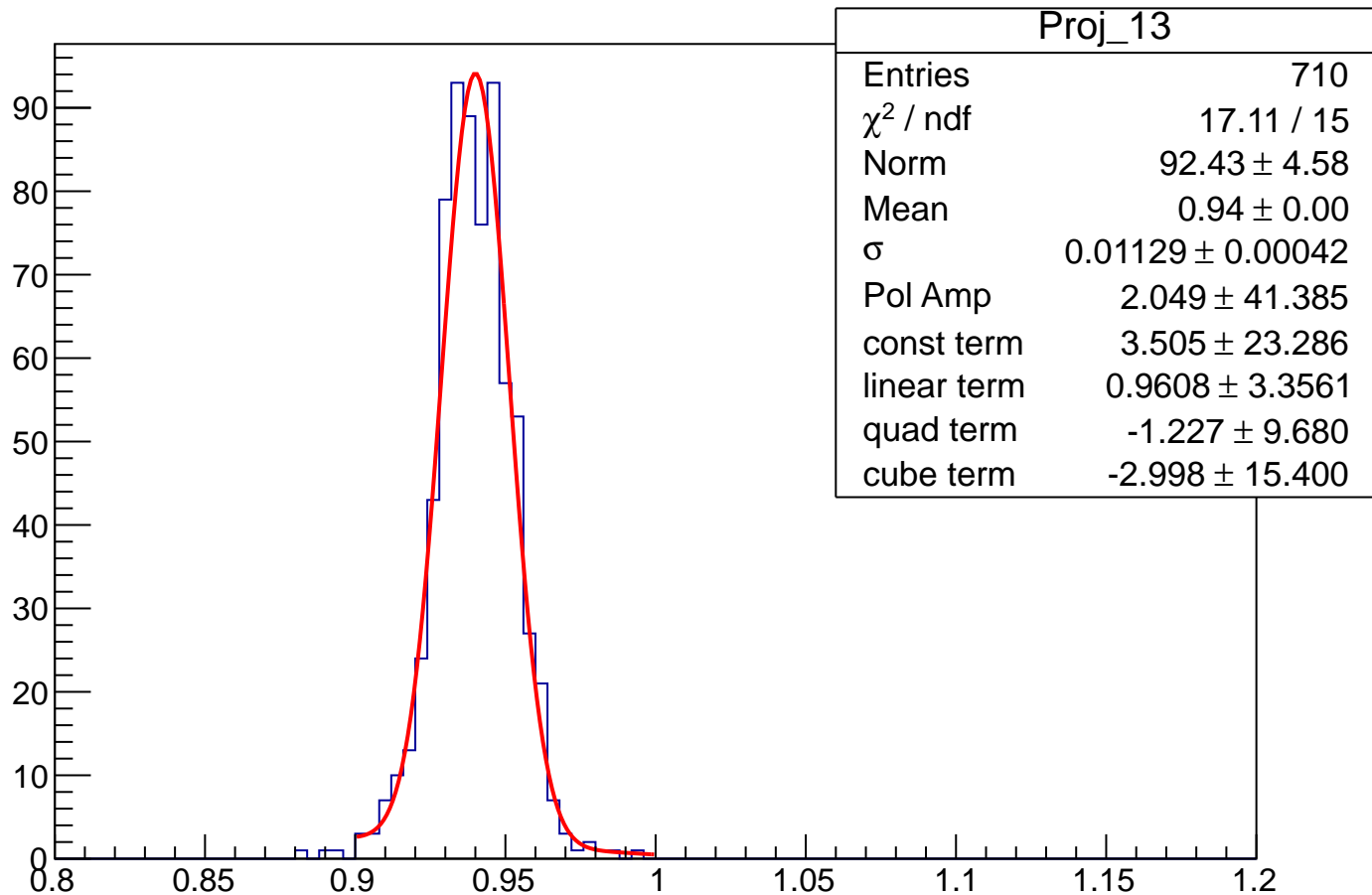
PhiThetaMassPip



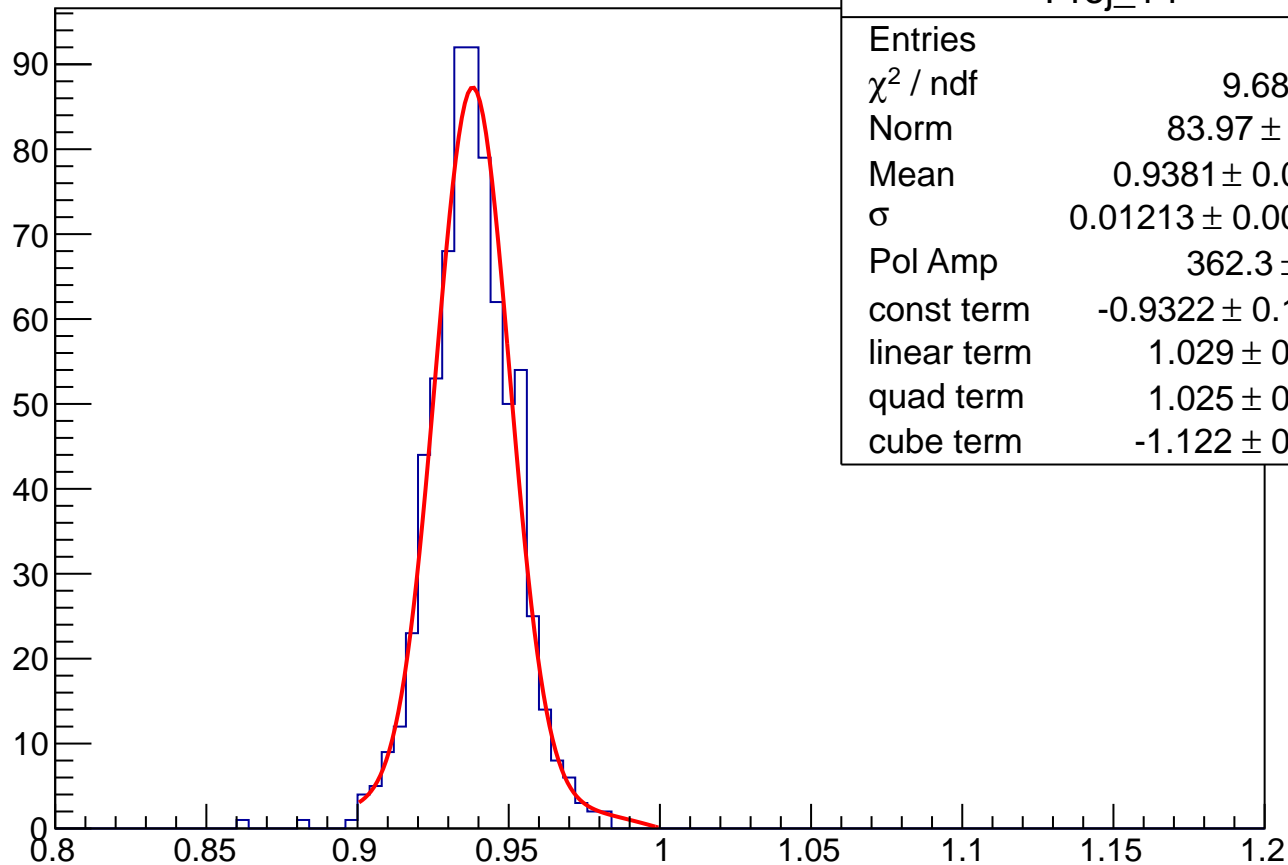
PhiThetaMassPip



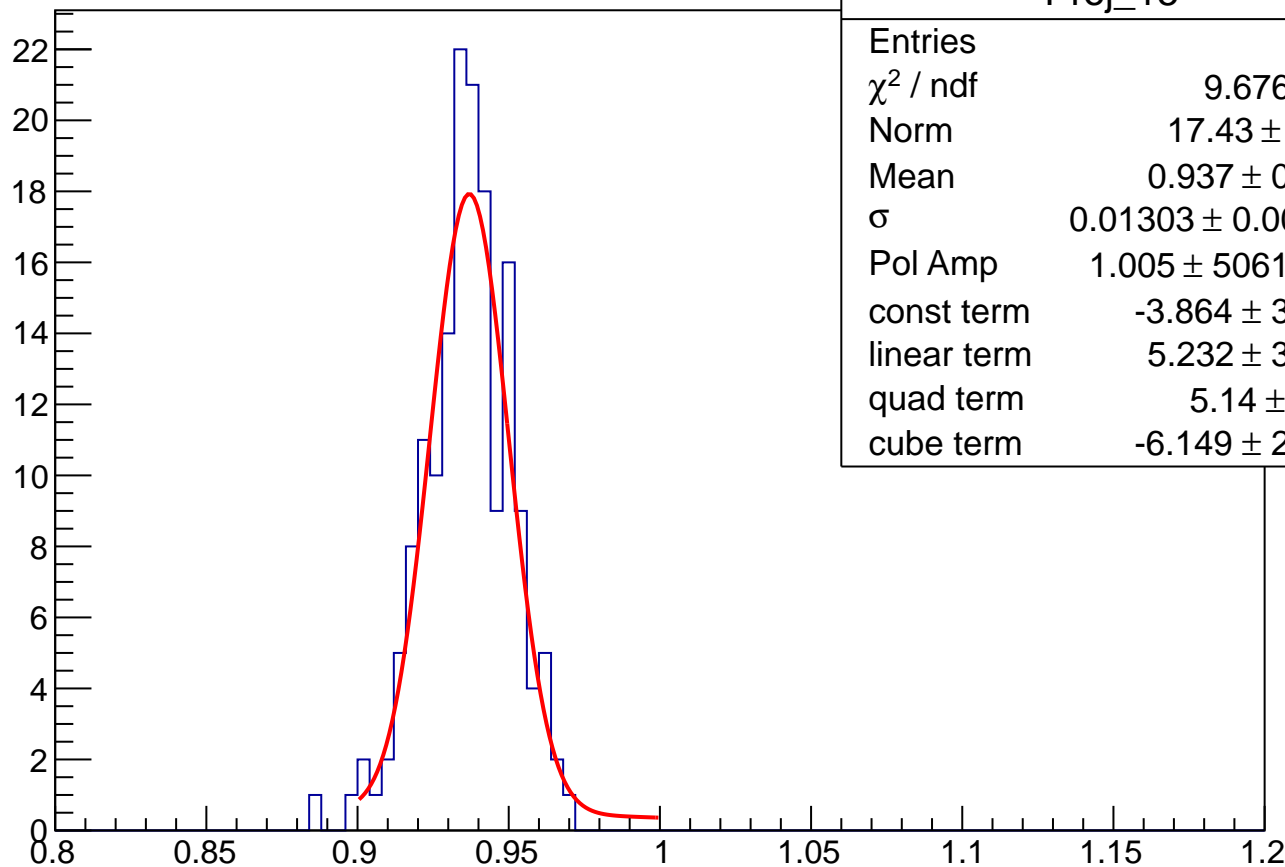
PhiThetaMassPip



PhiThetaMassPip



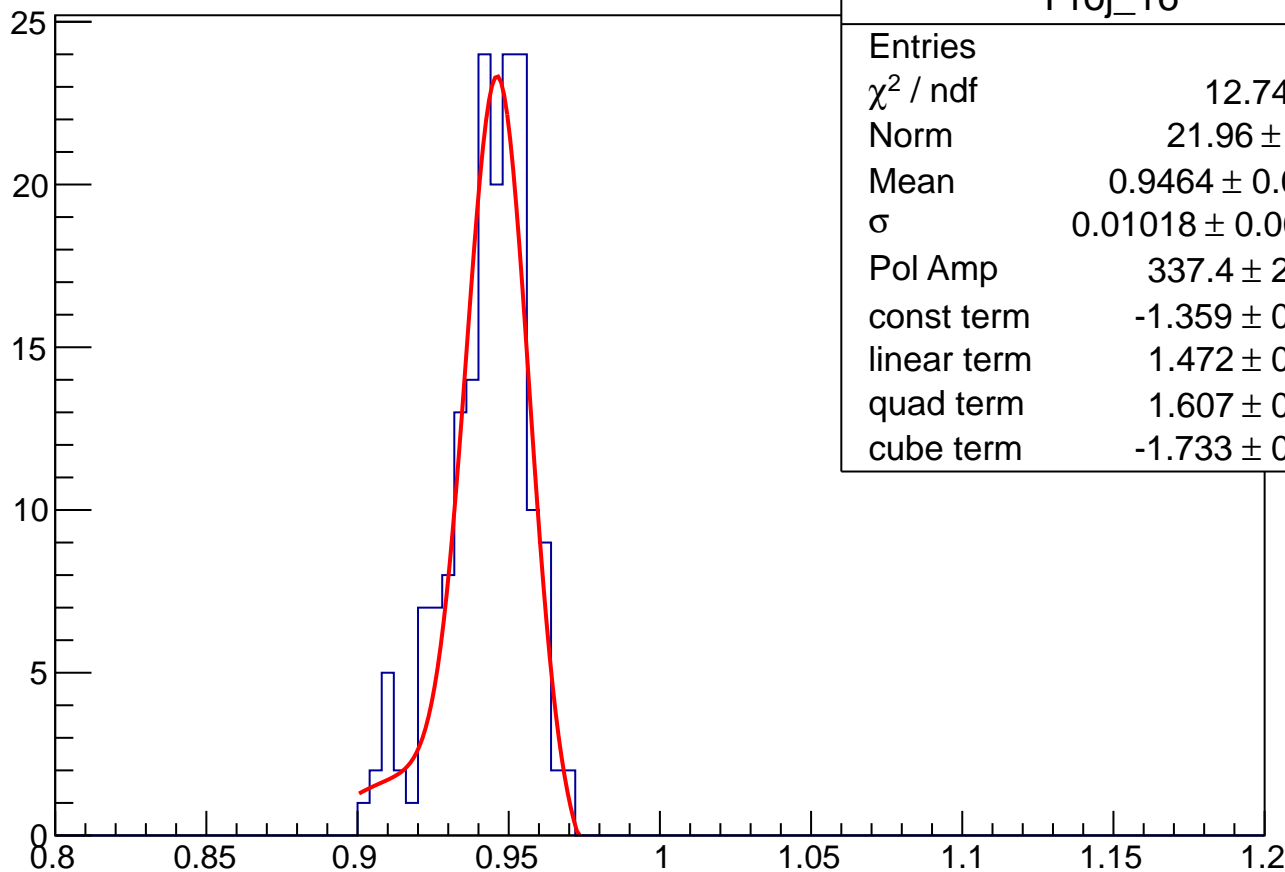
PhiThetaMassPip



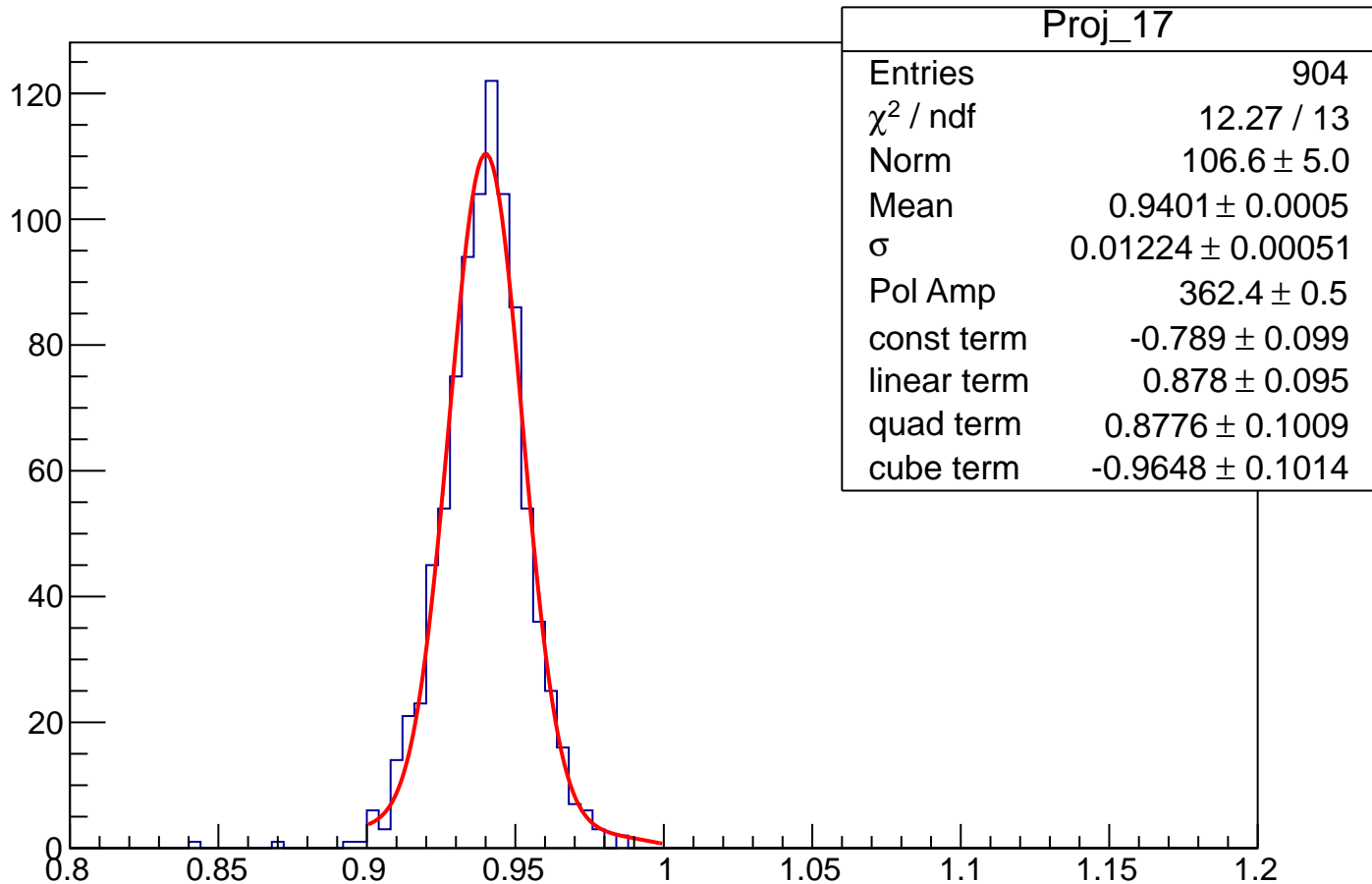
Proj_15

Entries	162
χ^2 / ndf	9.676 / 10
Norm	17.43 ± 1.89
Mean	0.937 ± 0.002
σ	0.01303 ± 0.00185
Pol Amp	1.005 ± 5061.150
const term	-3.864 ± 3.168
linear term	5.232 ± 3.083
quad term	5.14 ± 3.01
cube term	-6.149 ± 2.965

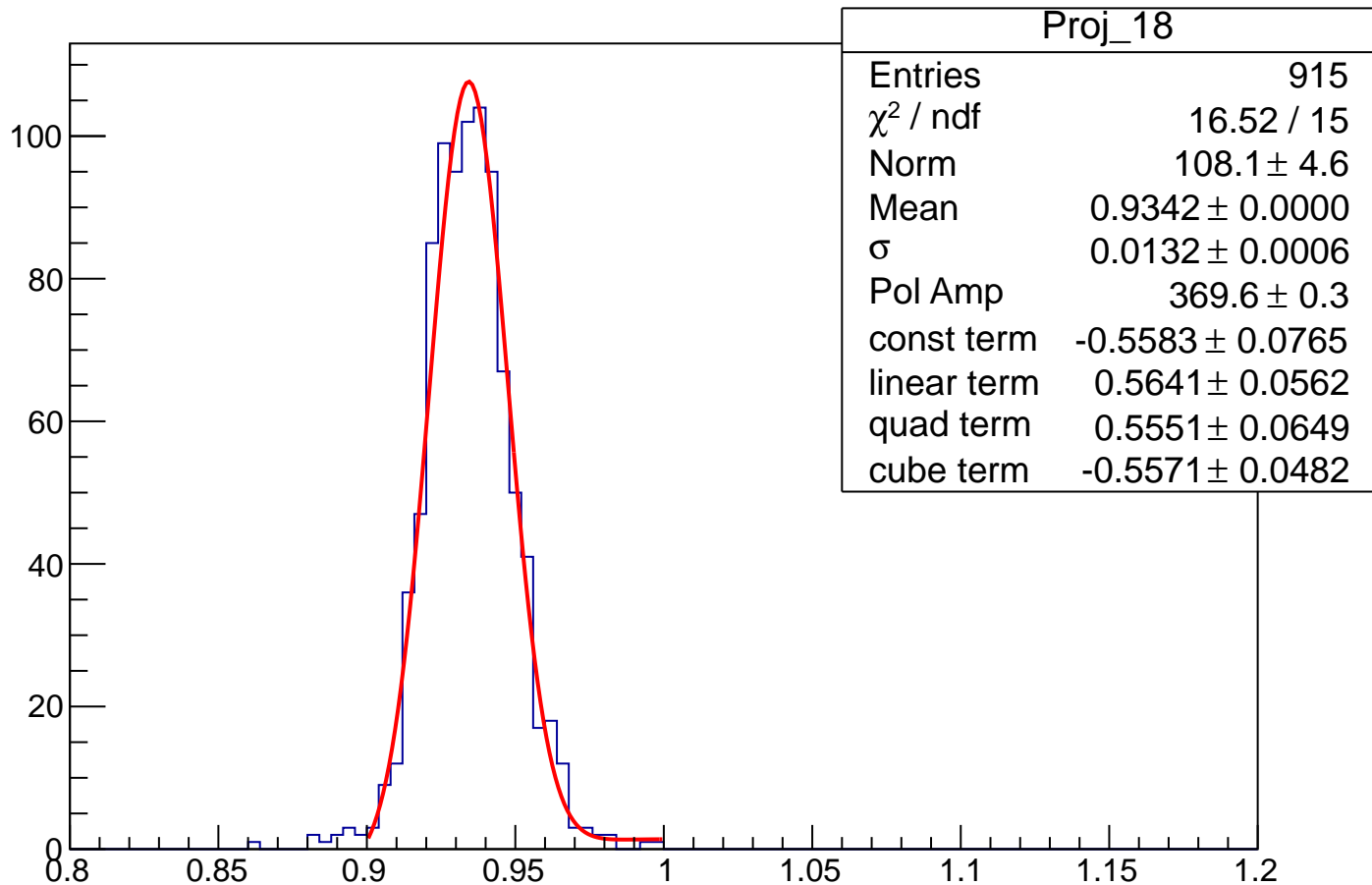
PhiThetaMassPip



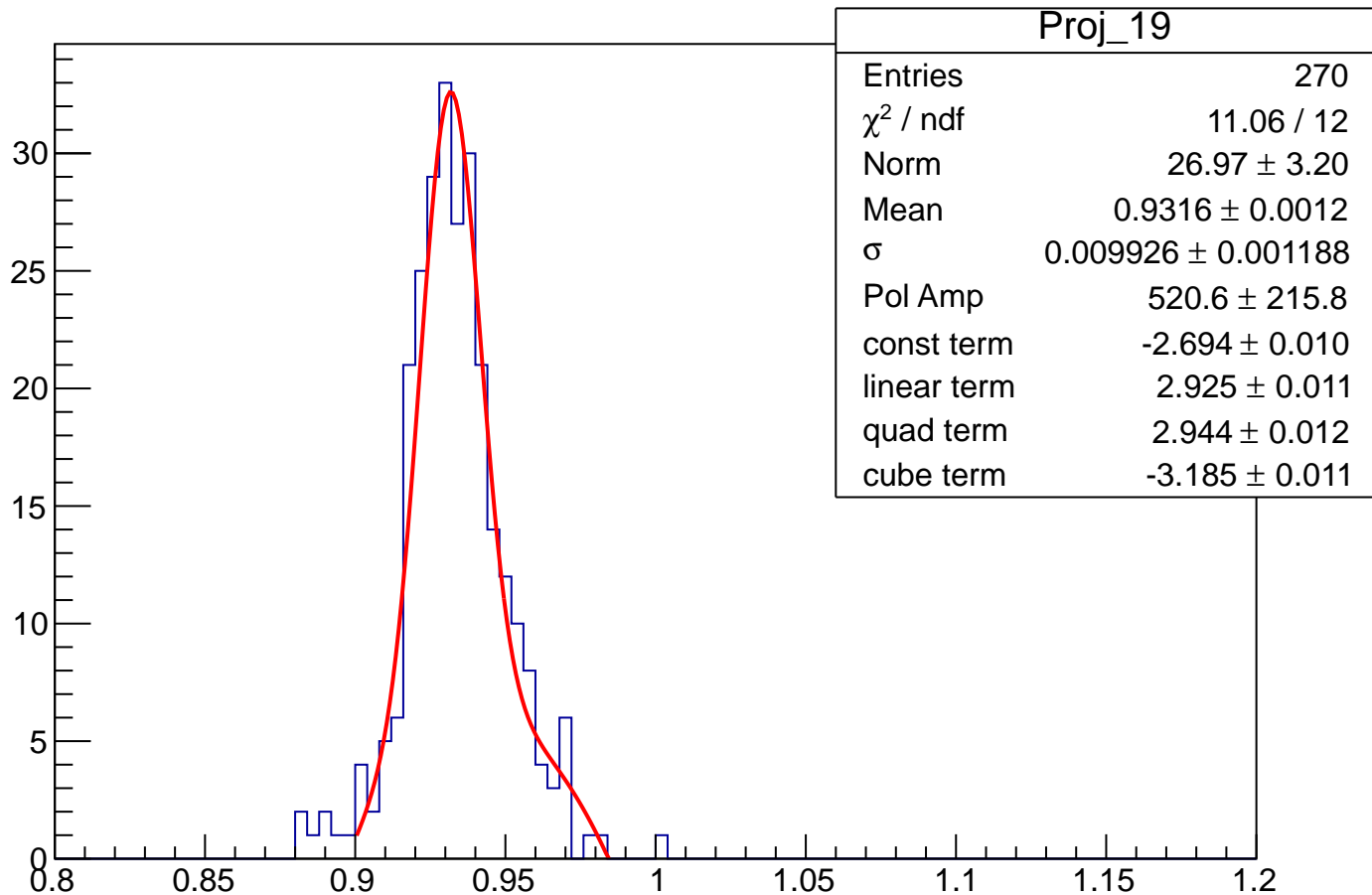
PhiThetaMassPip



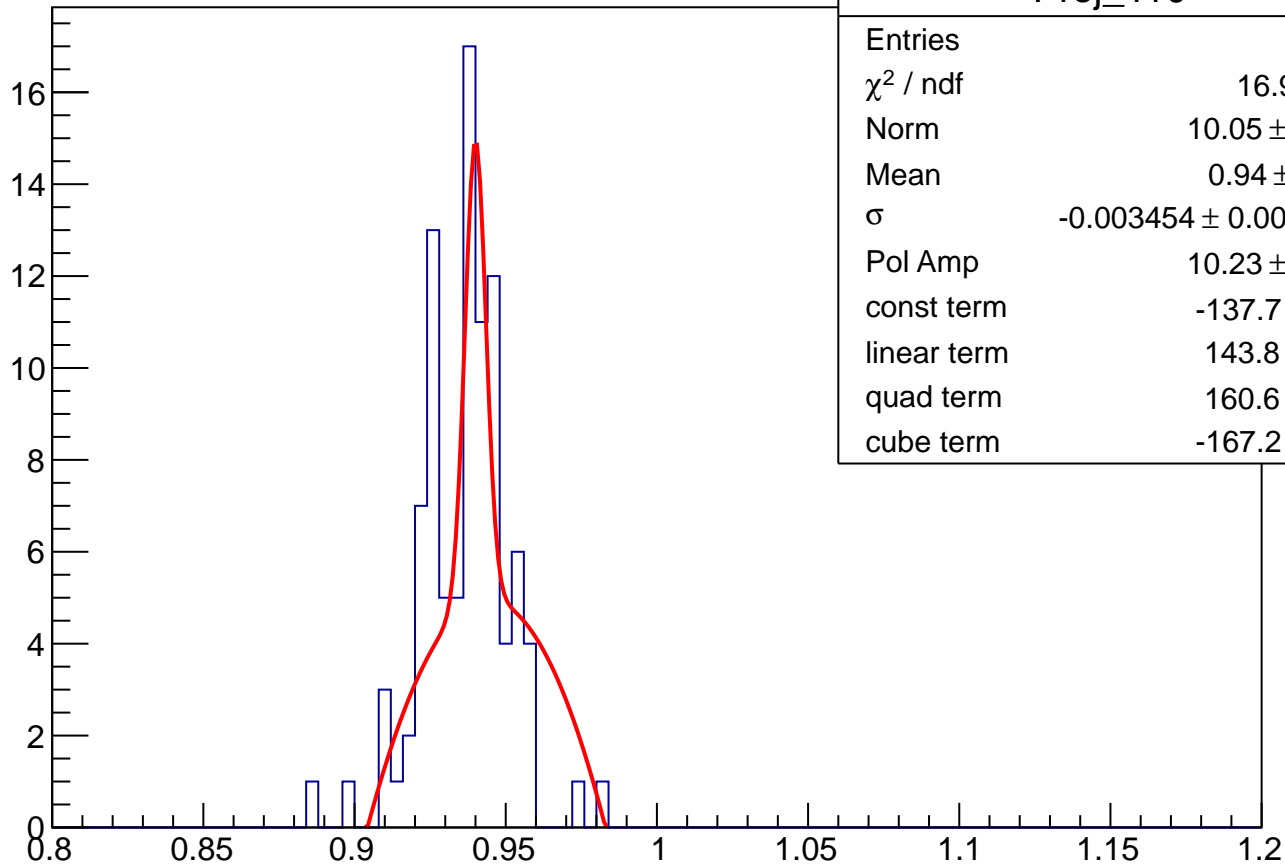
PhiThetaMassPip



PhiThetaMassPip



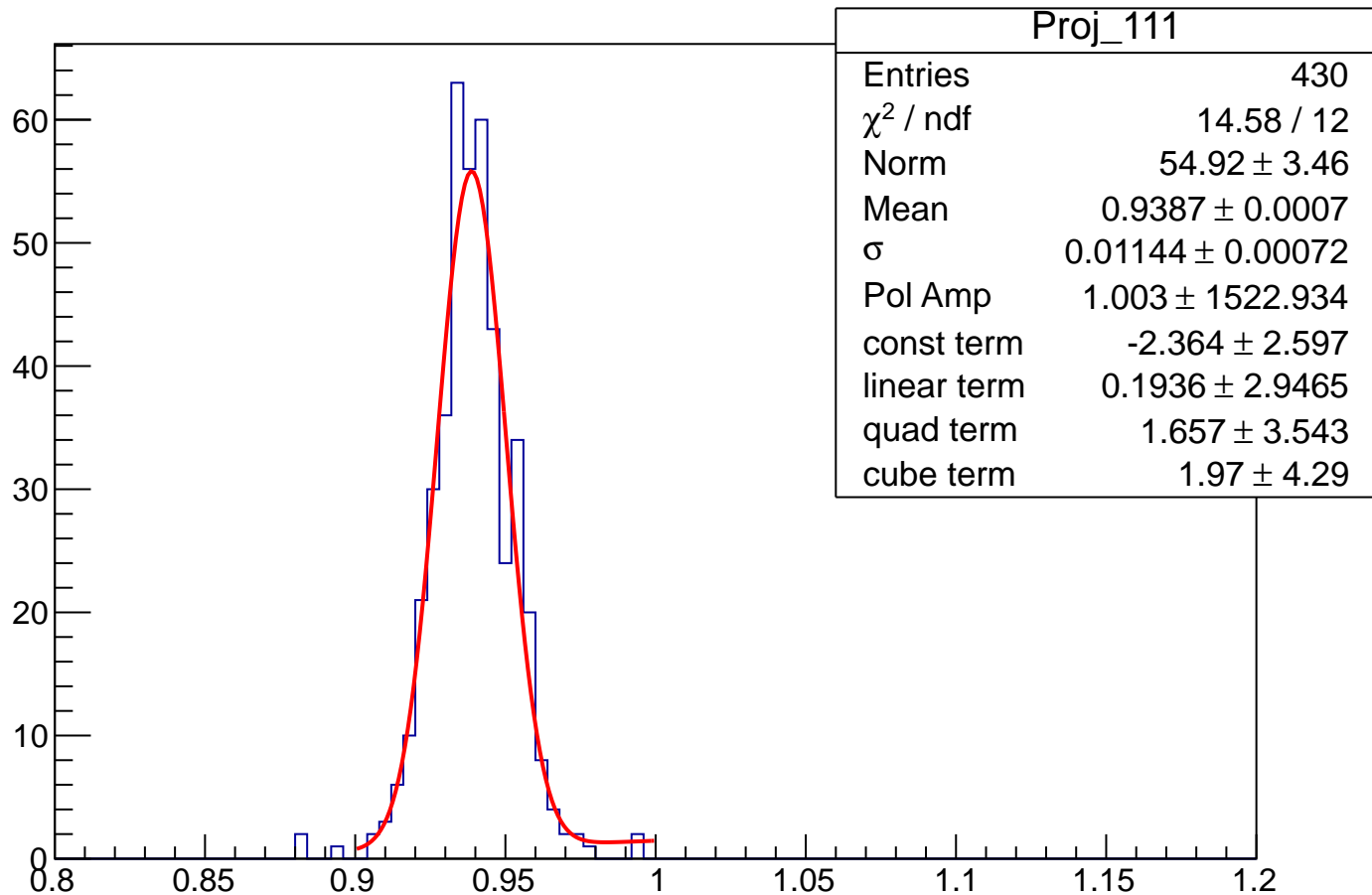
PhiThetaMassPip



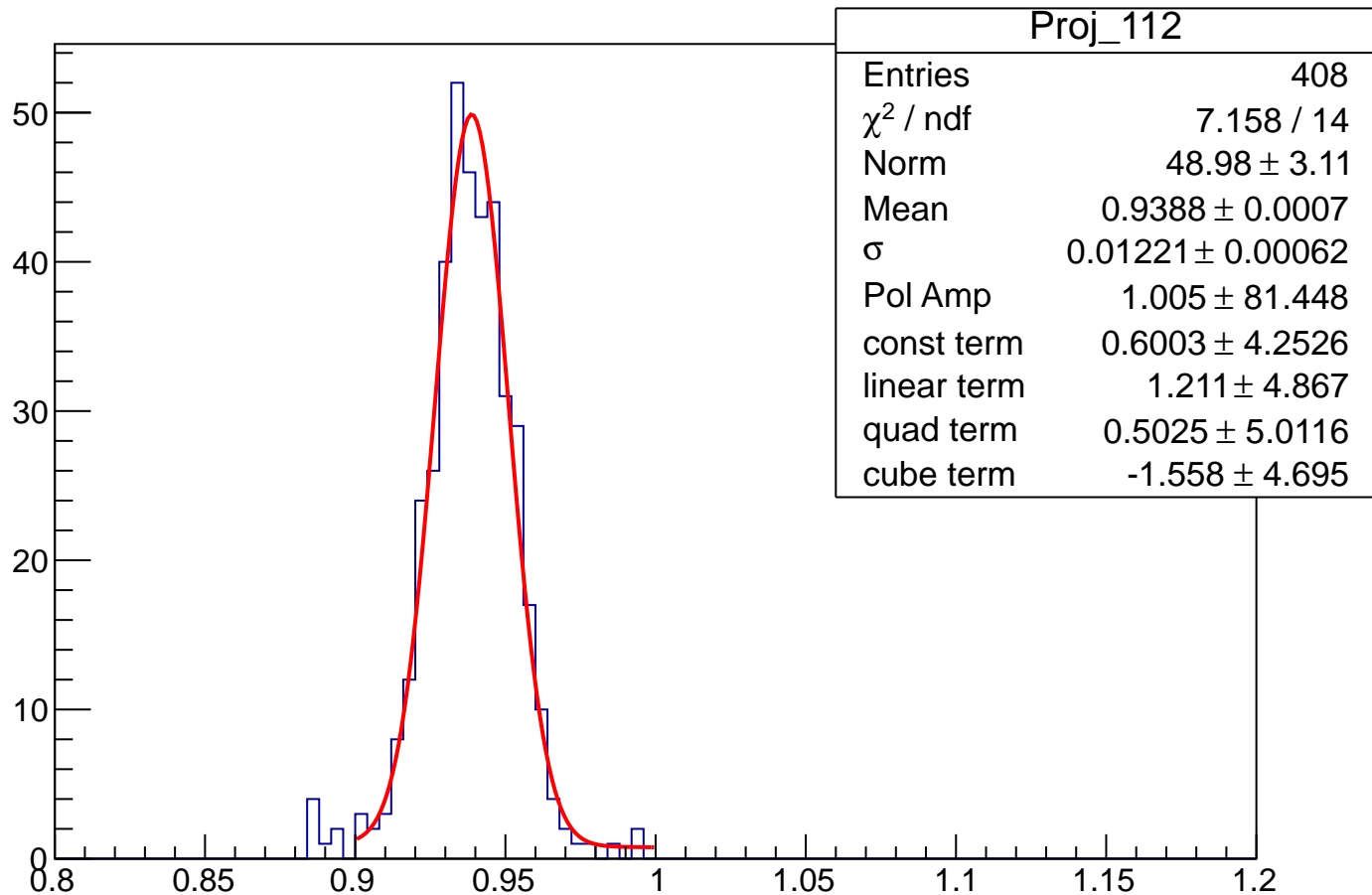
Proj_110

Entries	94
χ^2 / ndf	16.93 / 7
Norm	10.05 ± 7.13
Mean	0.94 ± 0.01
σ	-0.003454 ± 0.005140
Pol Amp	10.23 ± 6.36
const term	-137.7 ± 0.5
linear term	143.8 ± 0.5
quad term	160.6 ± 0.6
cube term	-167.2 ± 0.5

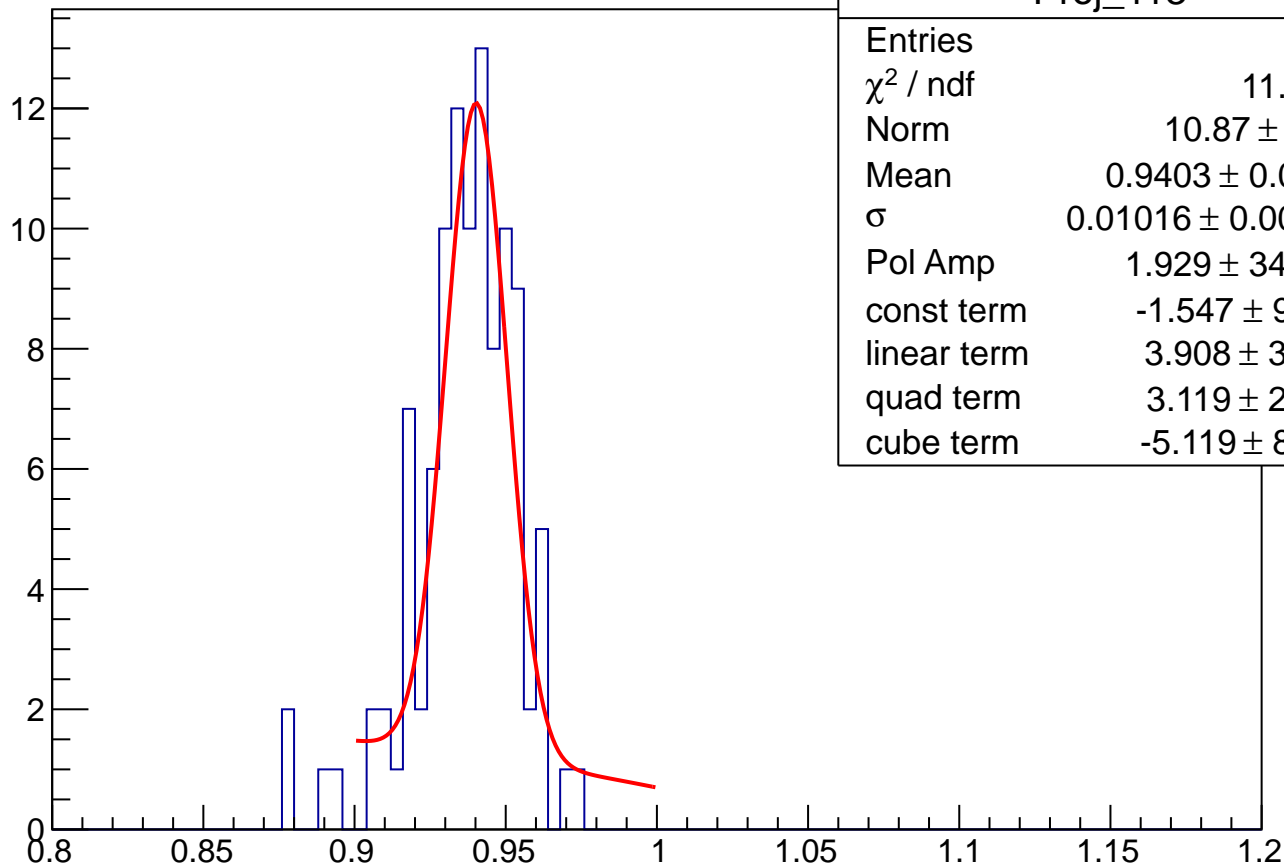
PhiThetaMassPip



PhiThetaMassPip



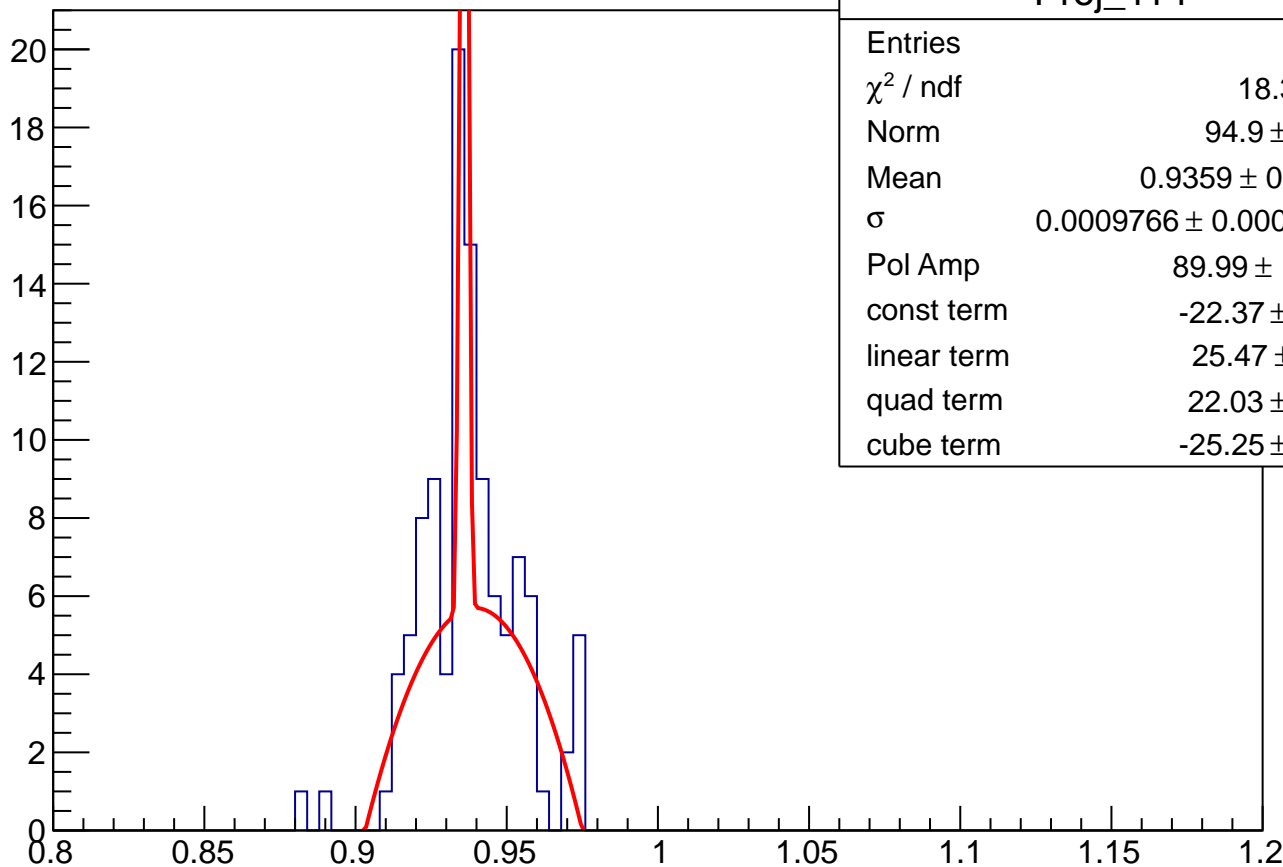
PhiThetaMassPip



Proj_113

Entries	105
χ^2 / ndf	11.5 / 9
Norm	10.87 ± 1.78
Mean	0.9403 ± 0.0016
σ	0.01016 ± 0.00155
Pol Amp	1.929 ± 34.694
const term	-1.547 ± 9.801
linear term	3.908 ± 3.482
quad term	3.119 ± 2.709
cube term	-5.119 ± 8.661

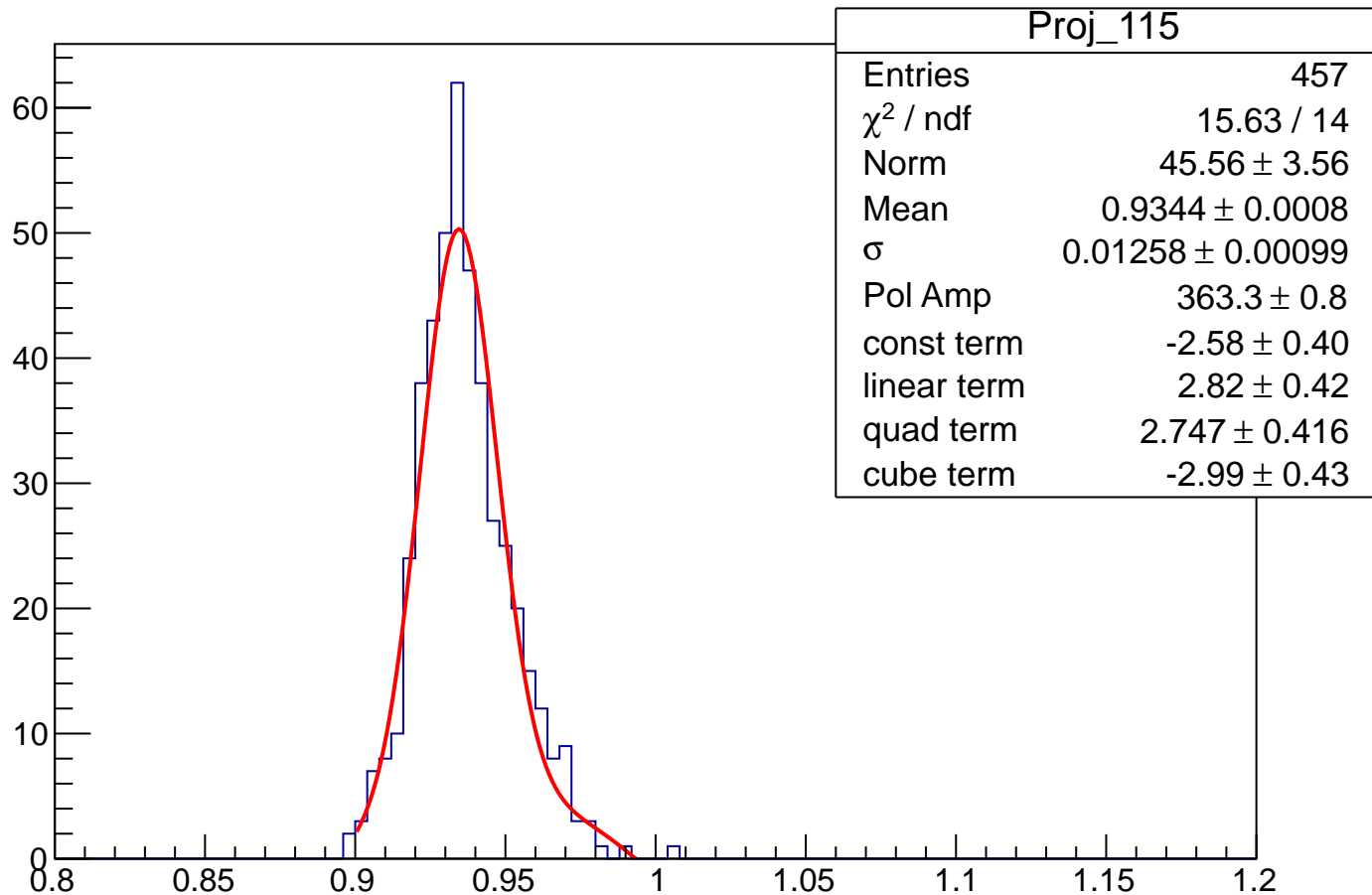
PhiThetaMassPip



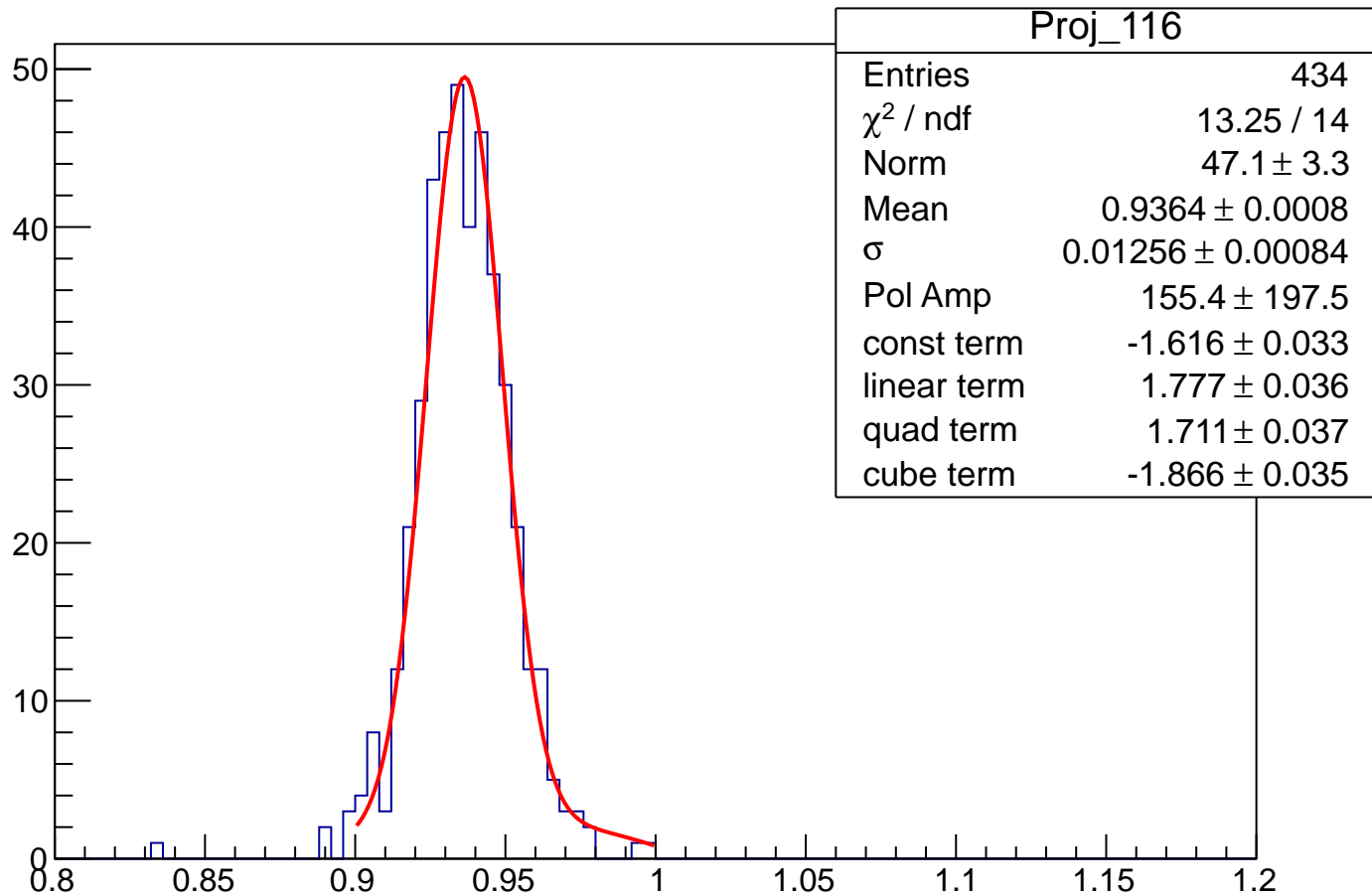
Proj_114

Entries	109
χ^2 / ndf	18.38 / 8
Norm	94.9 ± 42.8
Mean	0.9359 ± 0.0001
σ	0.0009766 ± 0.0000769
Pol Amp	89.99 ± 11.76
const term	-22.37 ± 5.18
linear term	25.47 ± 6.01
quad term	22.03 ± 4.97
cube term	-25.25 ± 5.75

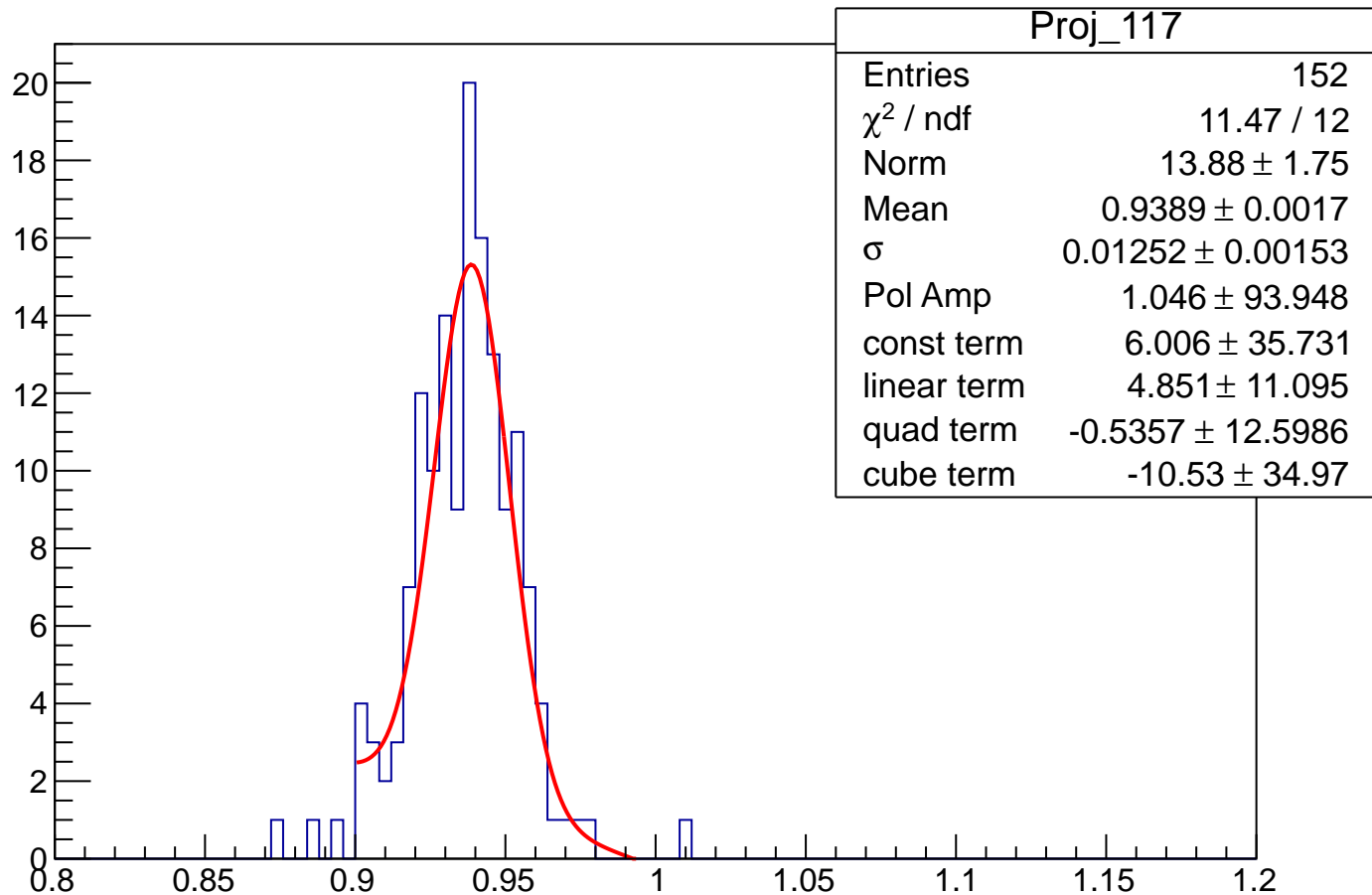
PhiThetaMassPip



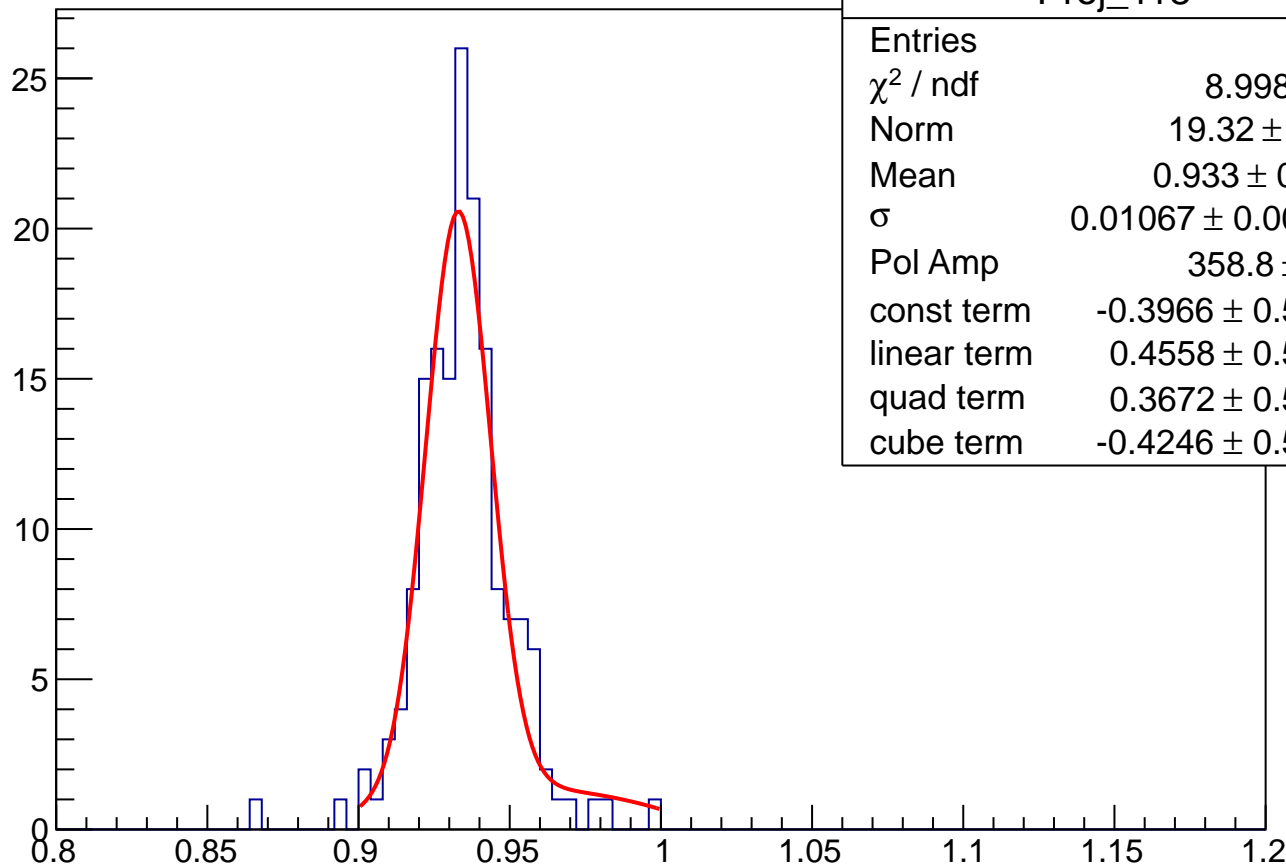
PhiThetaMassPip



PhiThetaMassPip



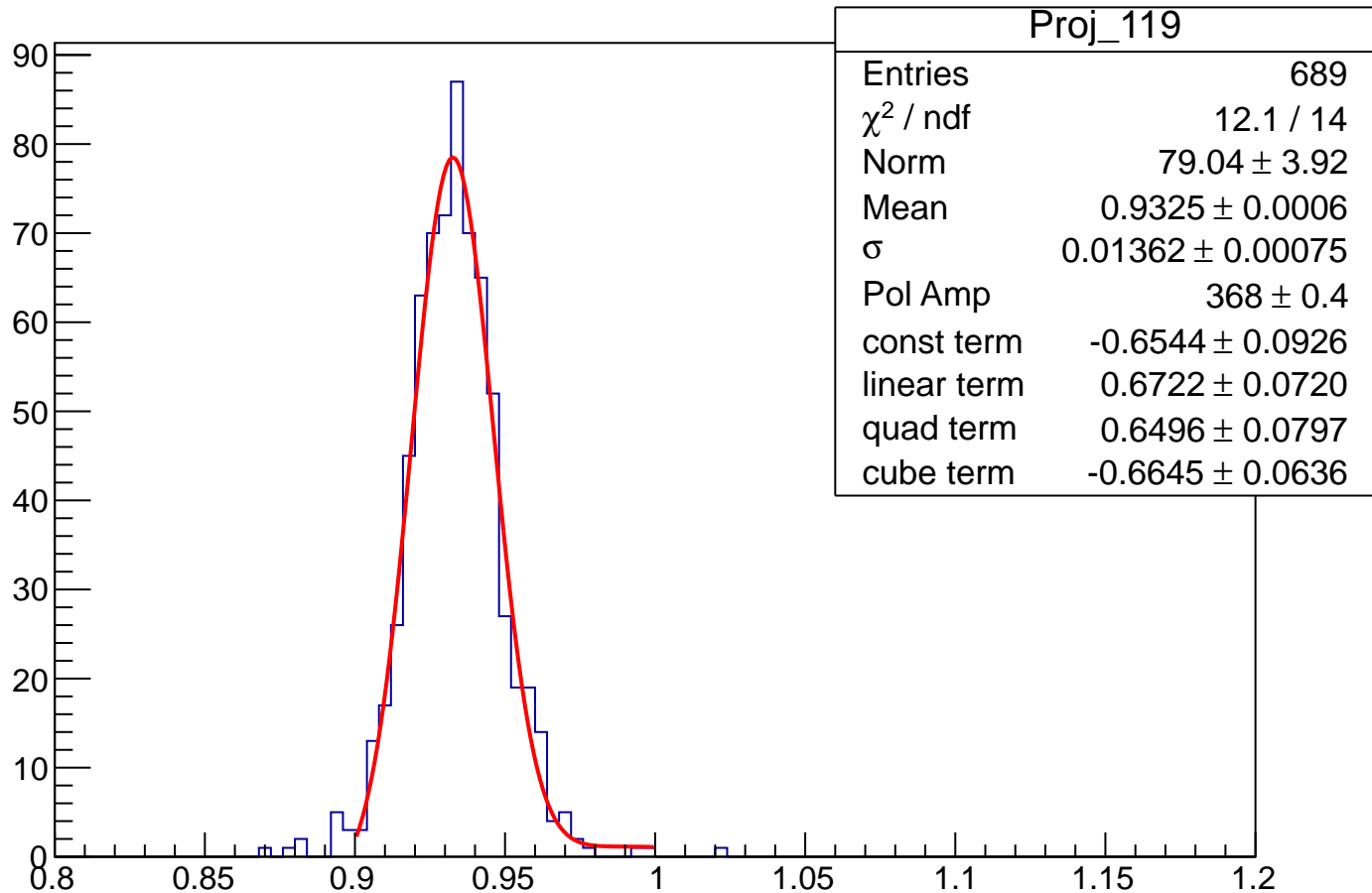
PhiThetaMassPip



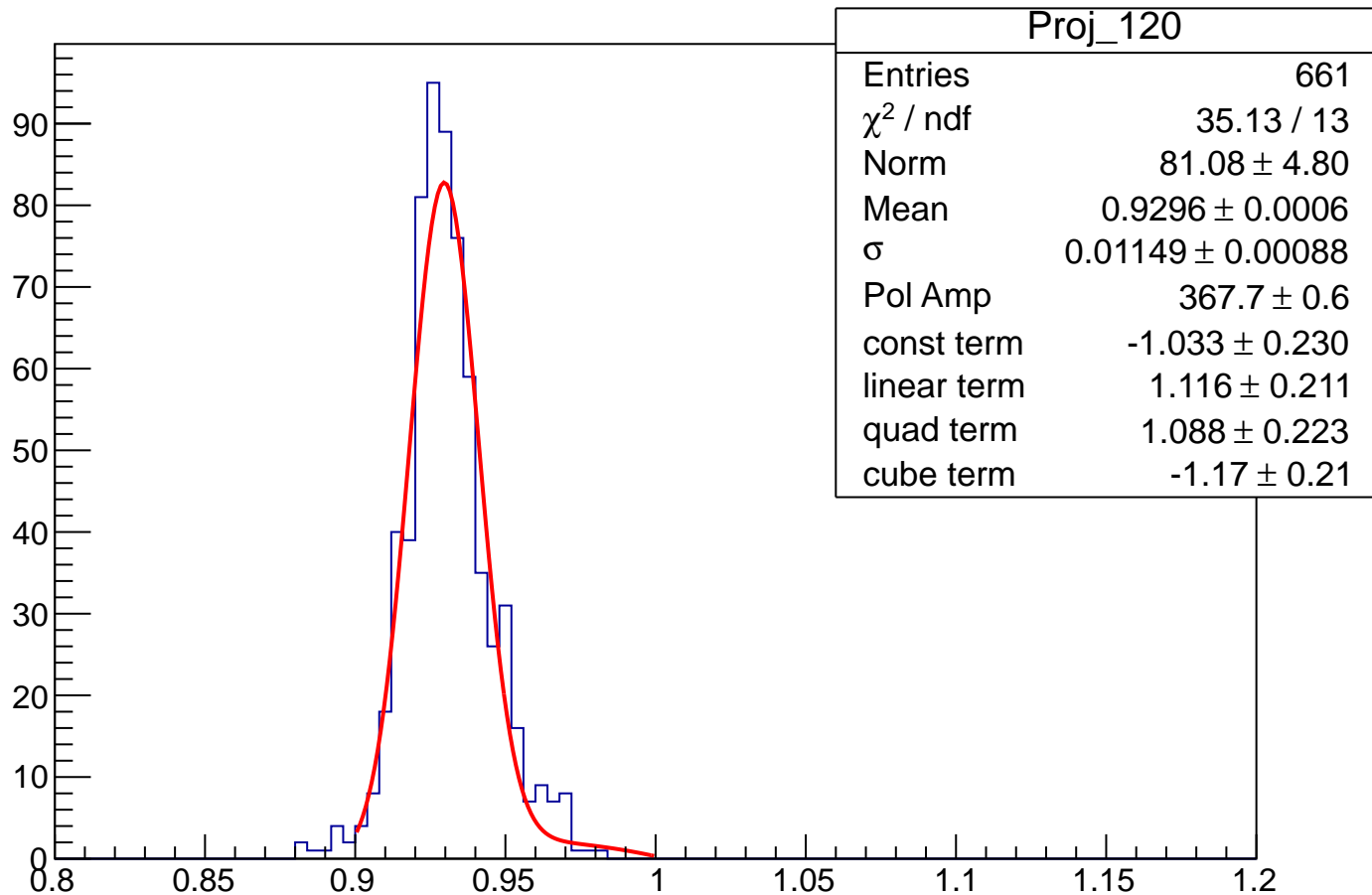
Proj_118

Entries	164
χ^2 / ndf	8.998 / 13
Norm	19.32 ± 2.26
Mean	0.933 ± 0.001
σ	0.01067 ± 0.00127
Pol Amp	358.8 ± 2.3
const term	-0.3966 ± 0.5096
linear term	0.4558 ± 0.5456
quad term	0.3672 ± 0.5593
cube term	-0.4246 ± 0.5975

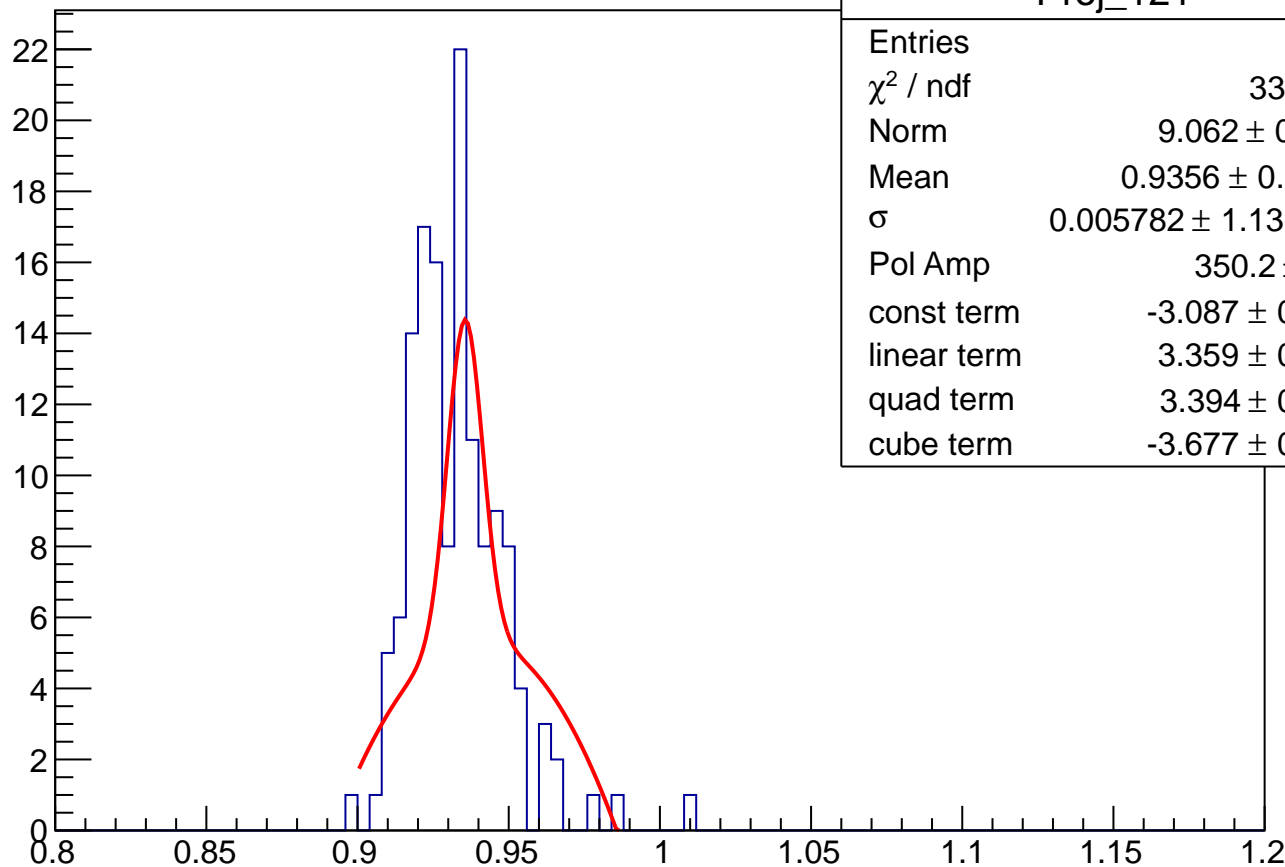
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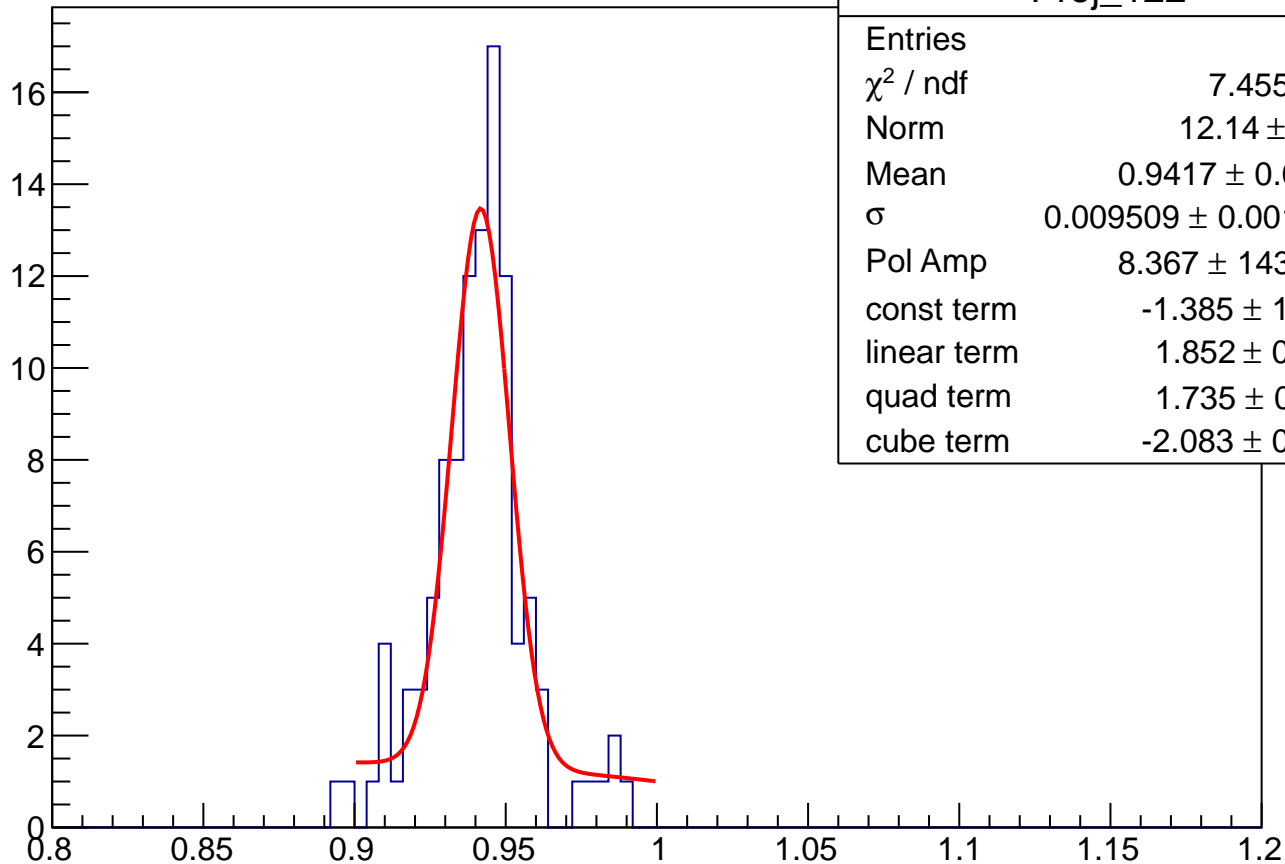
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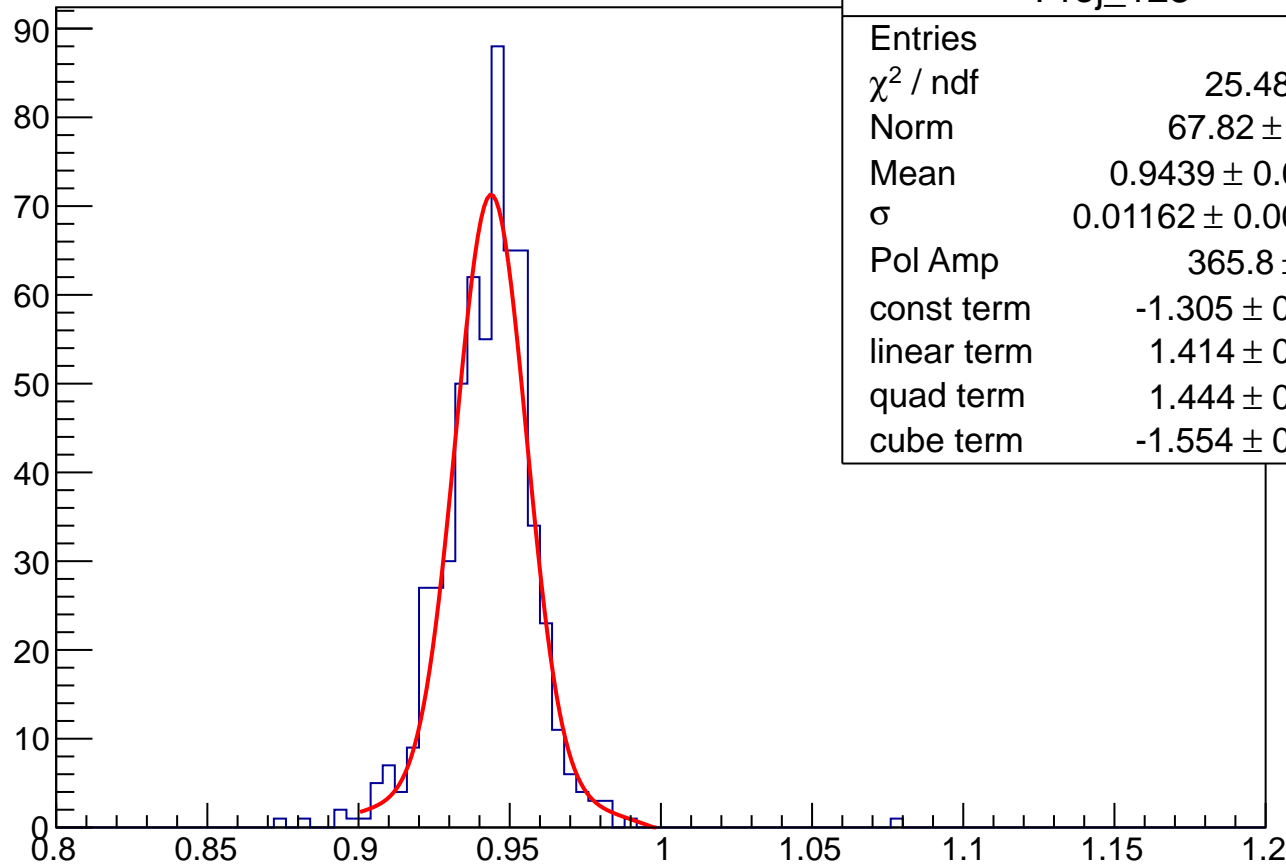
PhiThetaMassPip



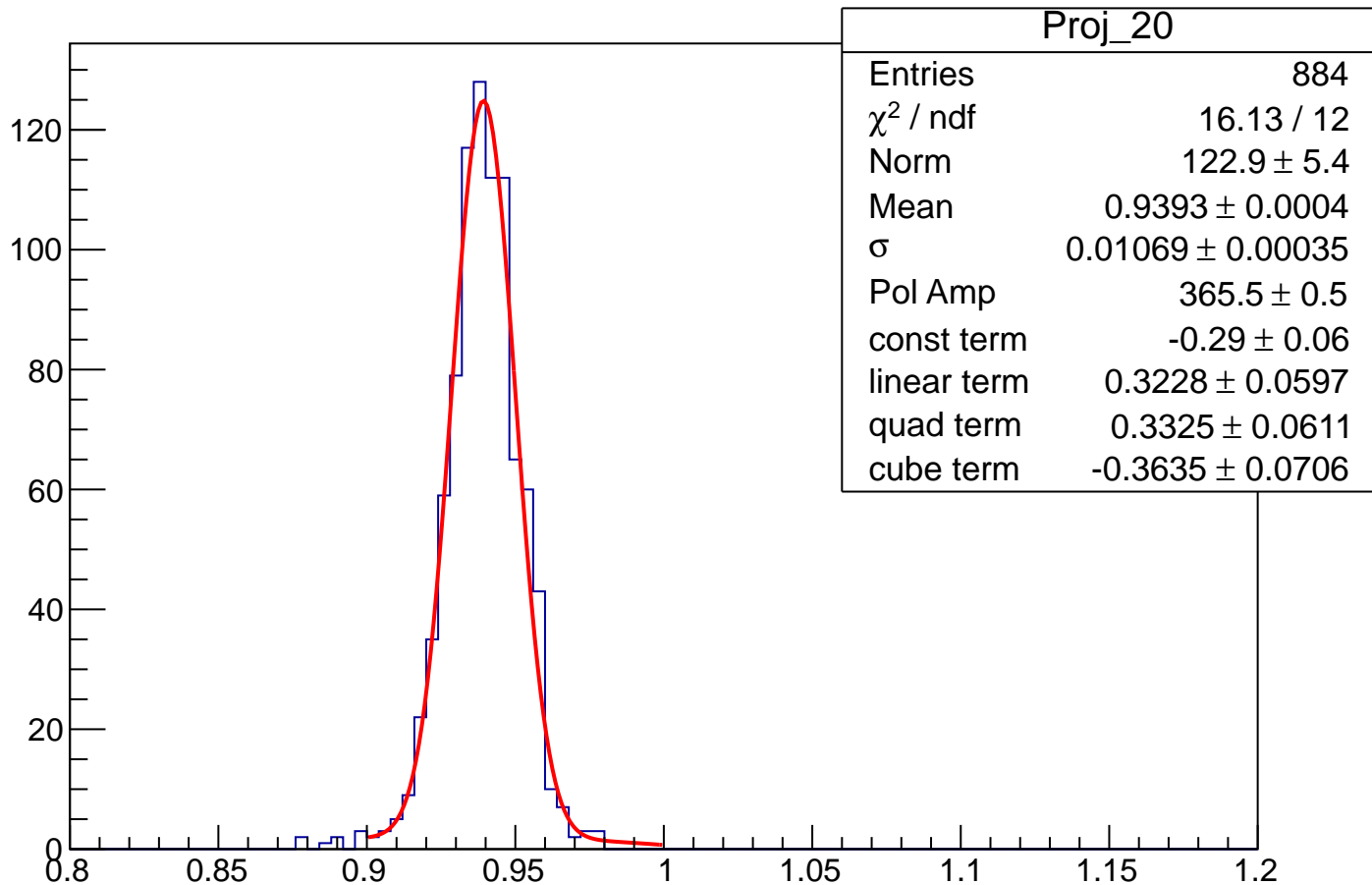
PhiThetaMassPip



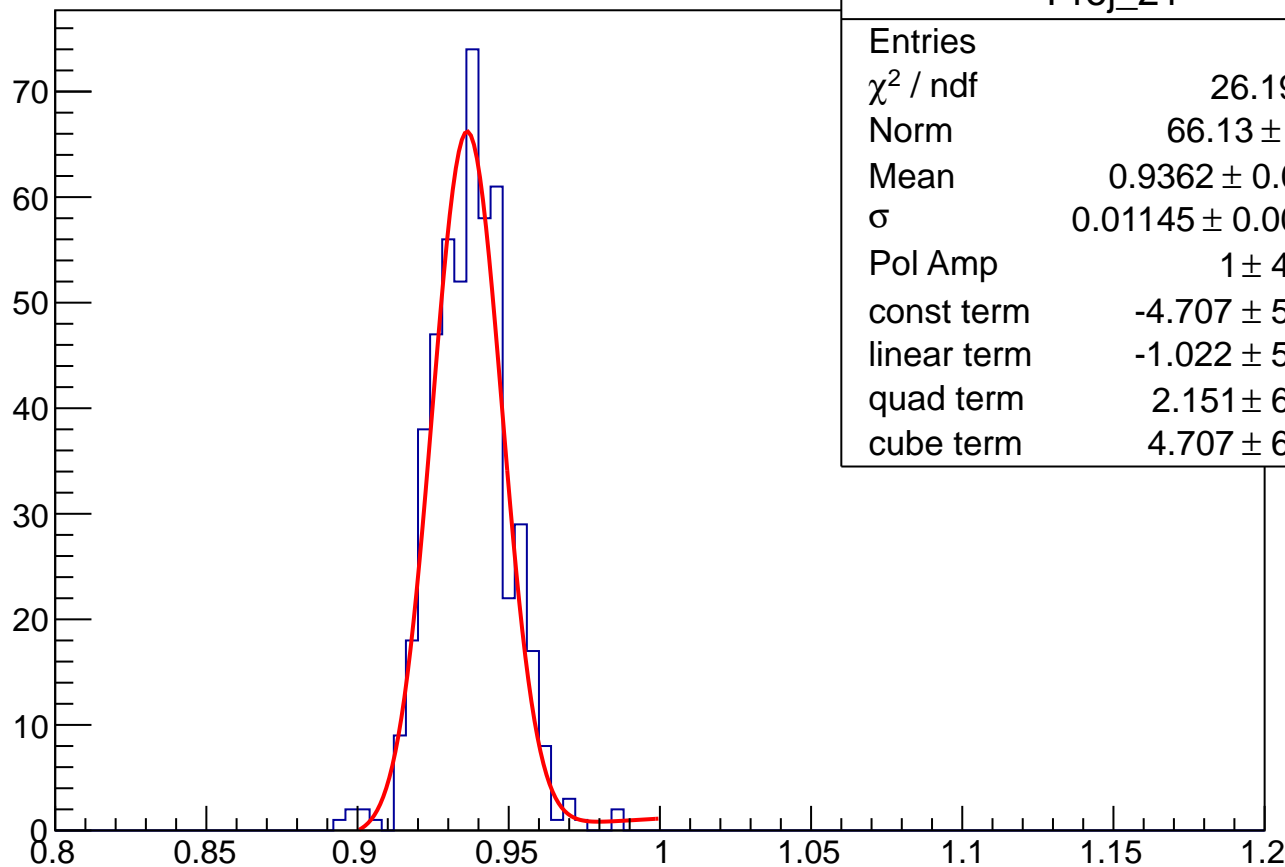
PhiThetaMassPip



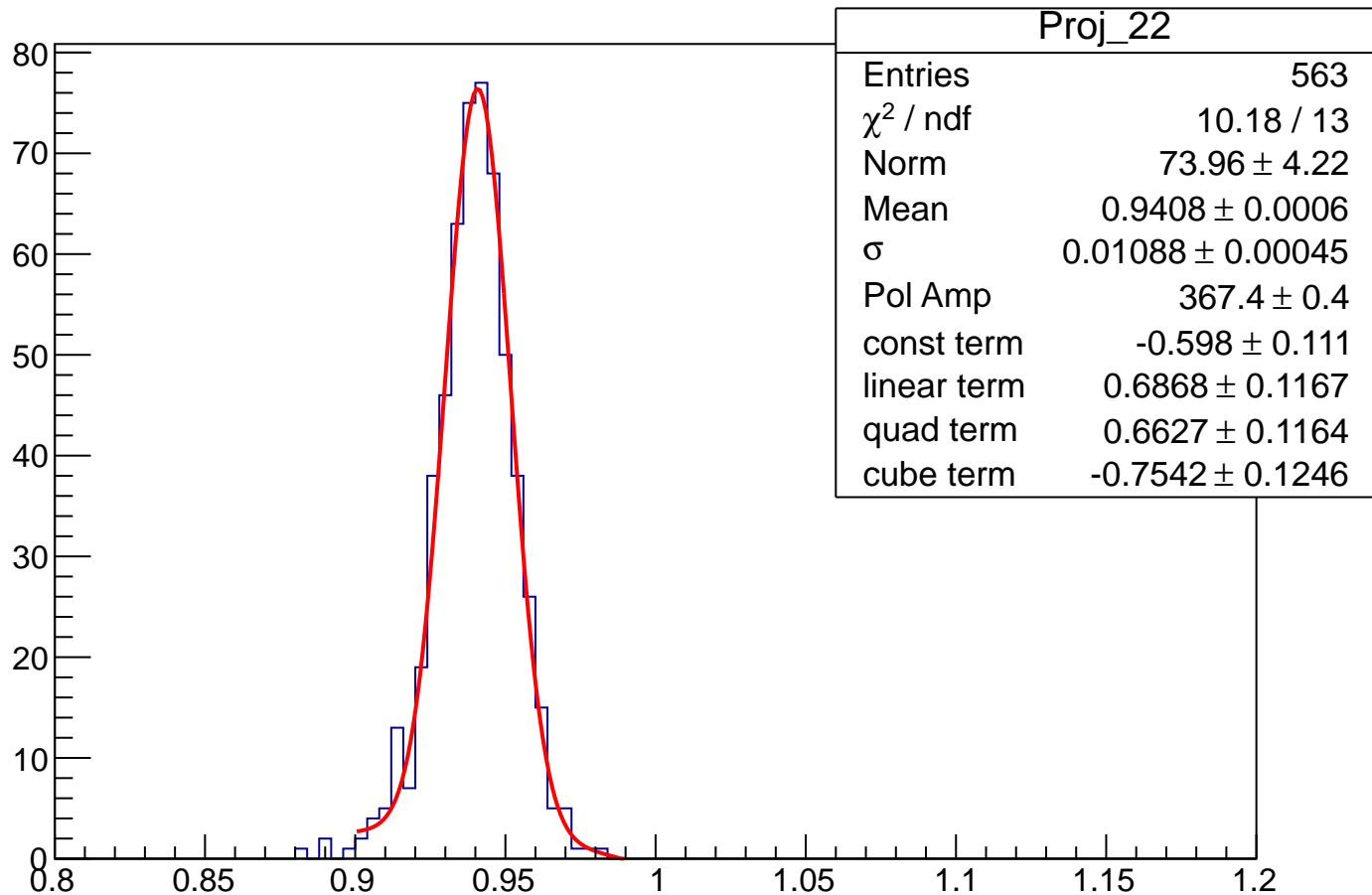
PhiThetaMassPip



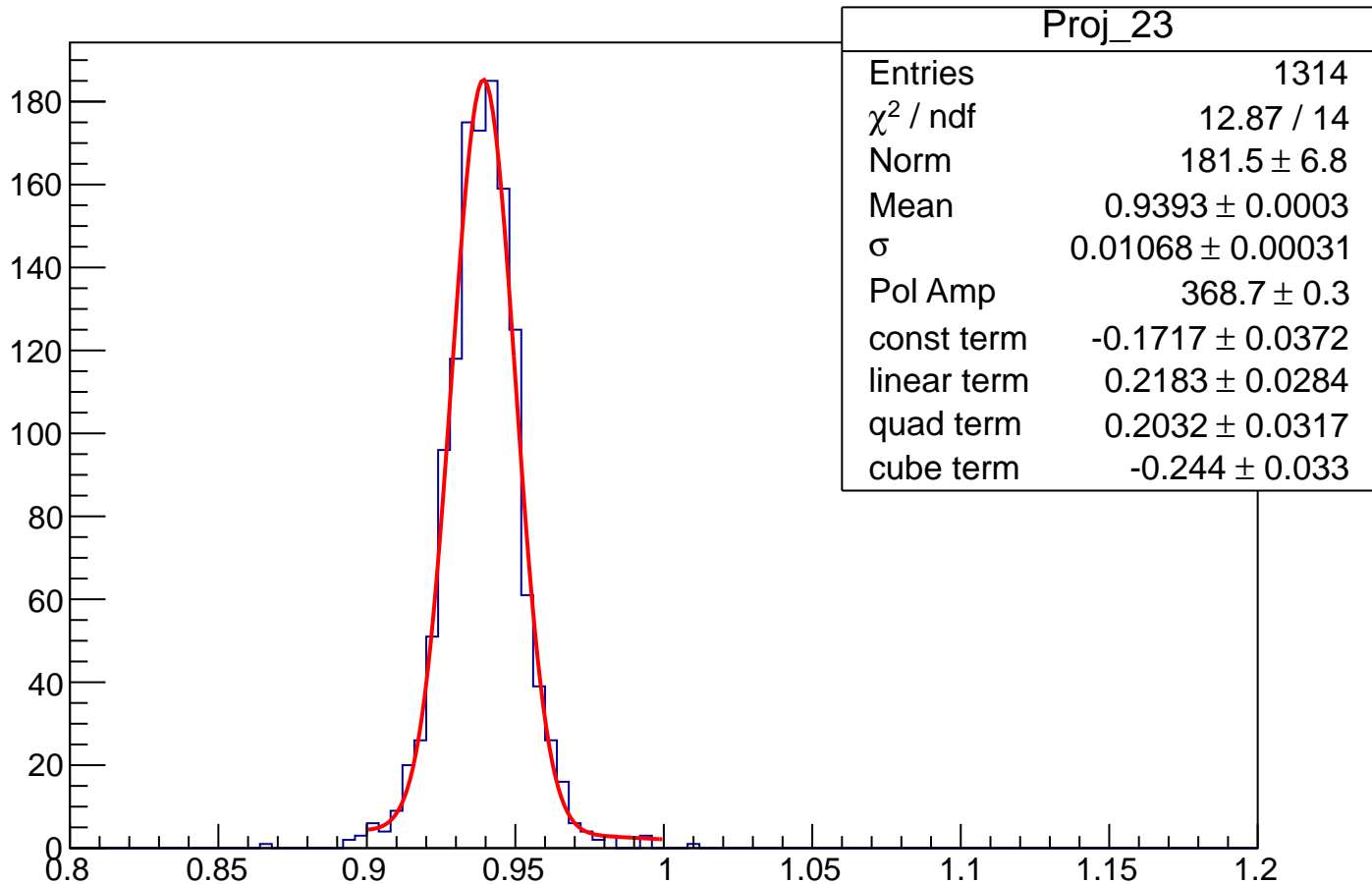
PhiThetaMassPip



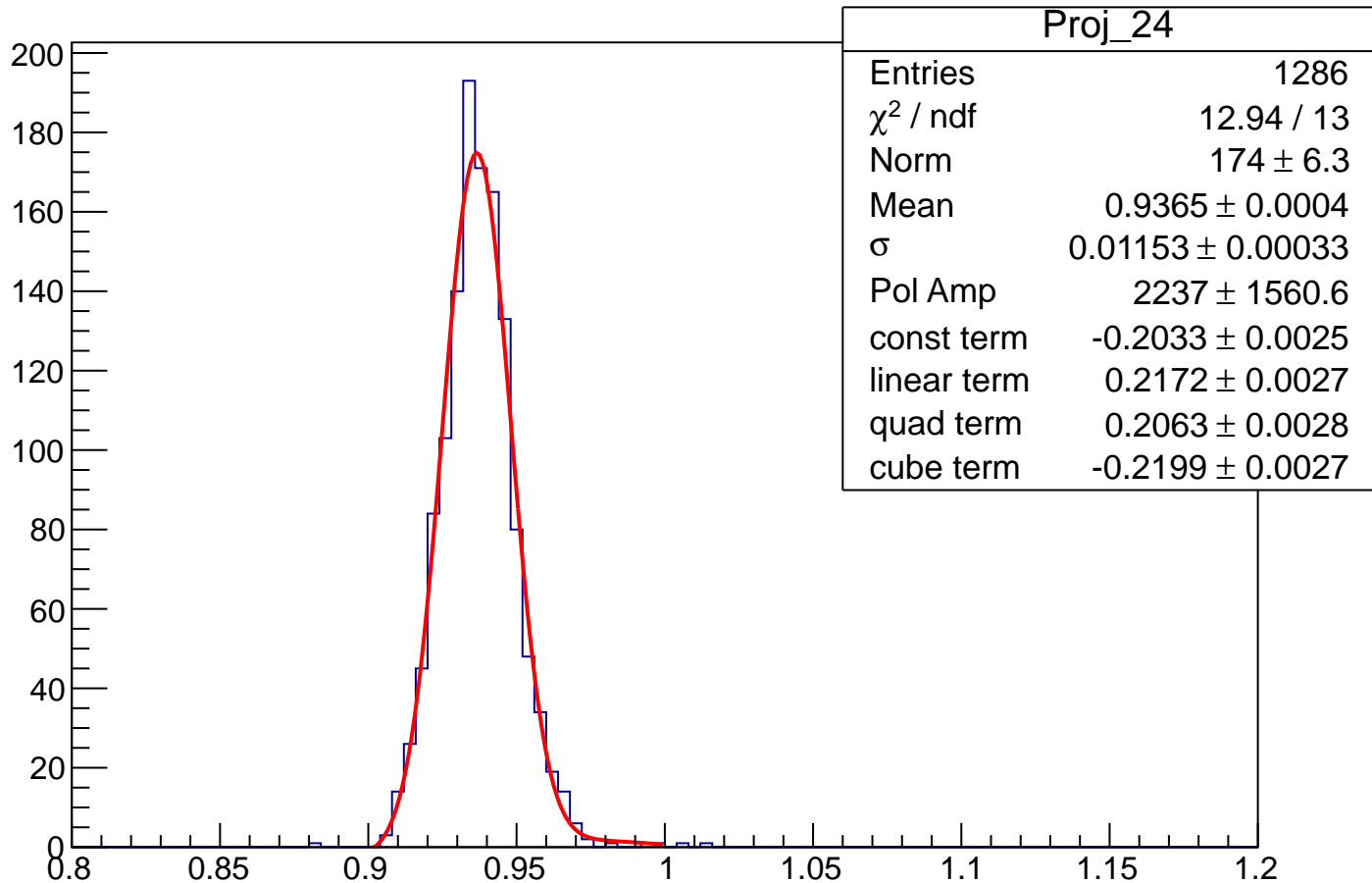
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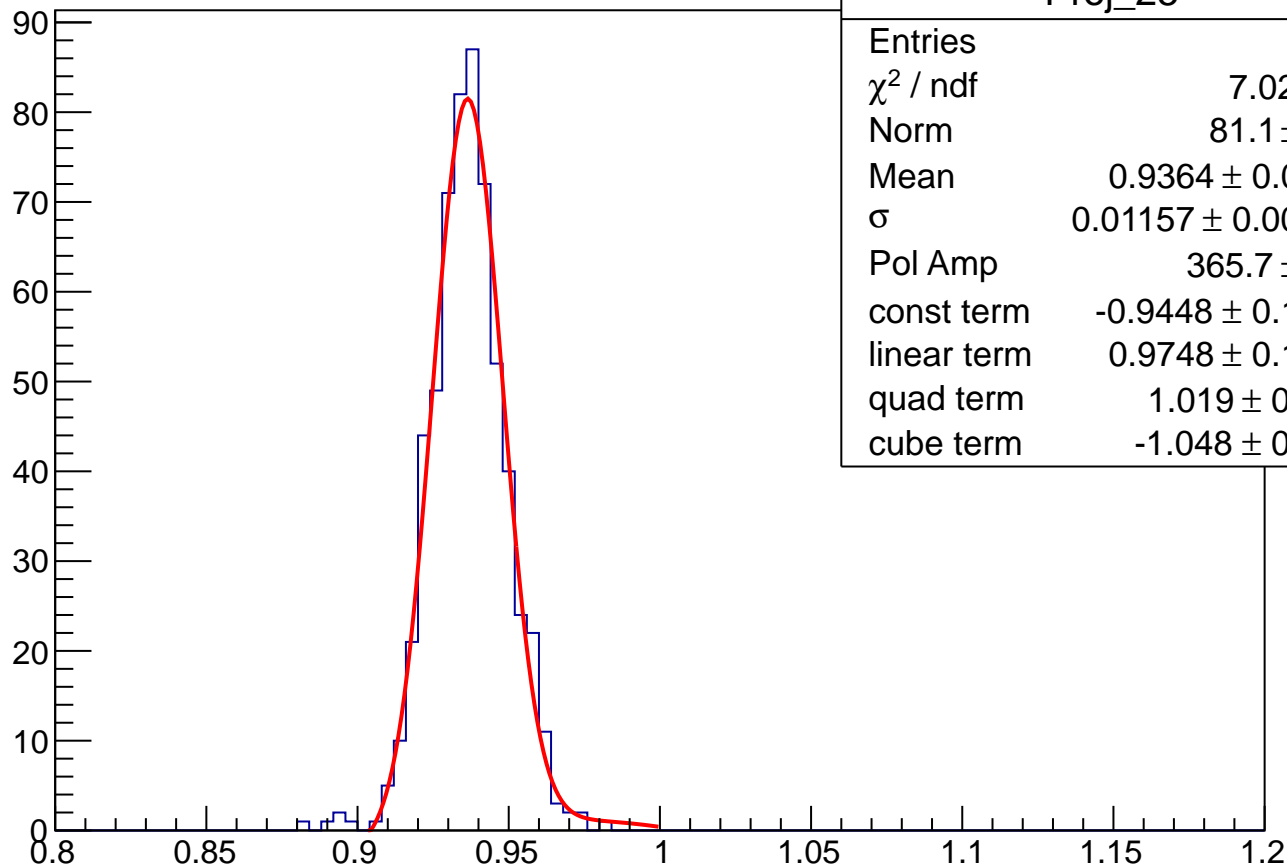
PhiThetaMassPip



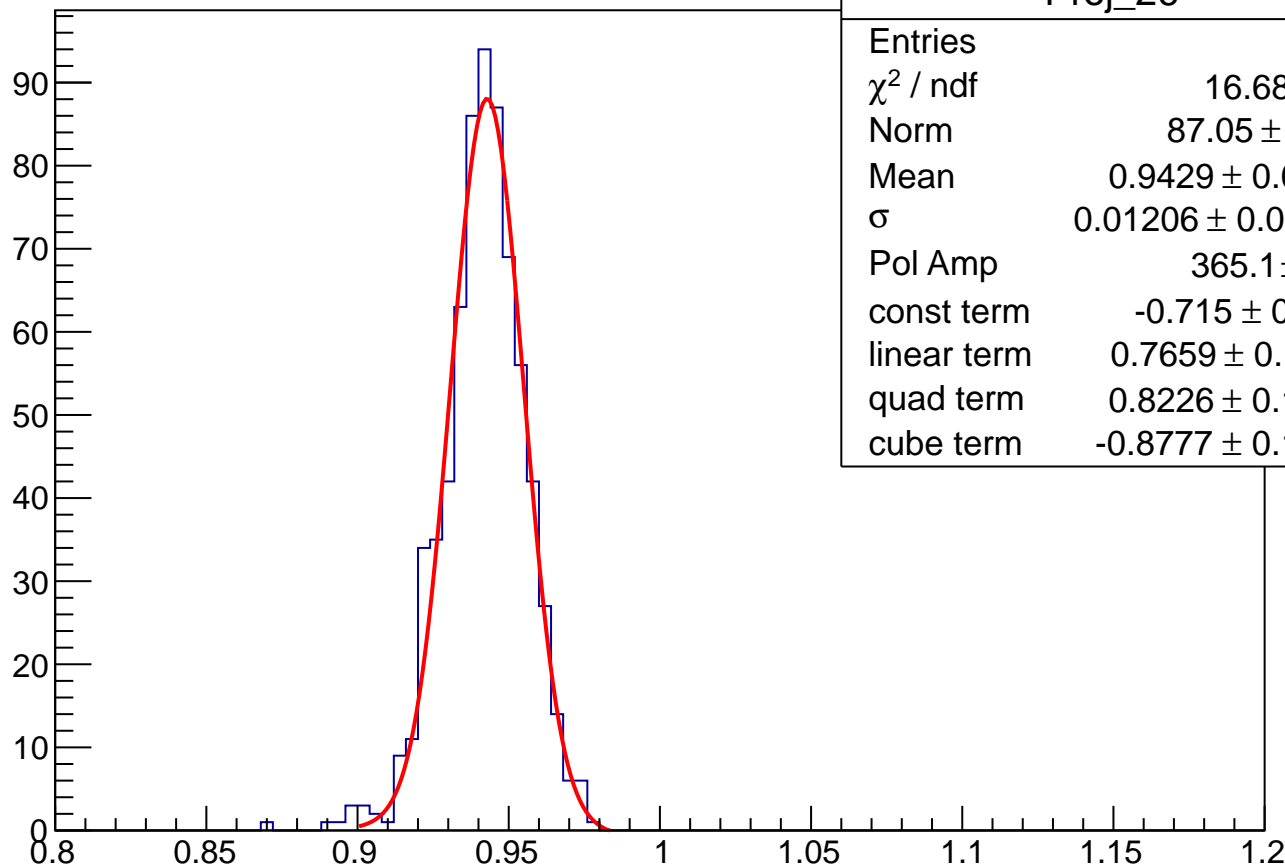
PhiThetaMassPip



PhiThetaMassPip



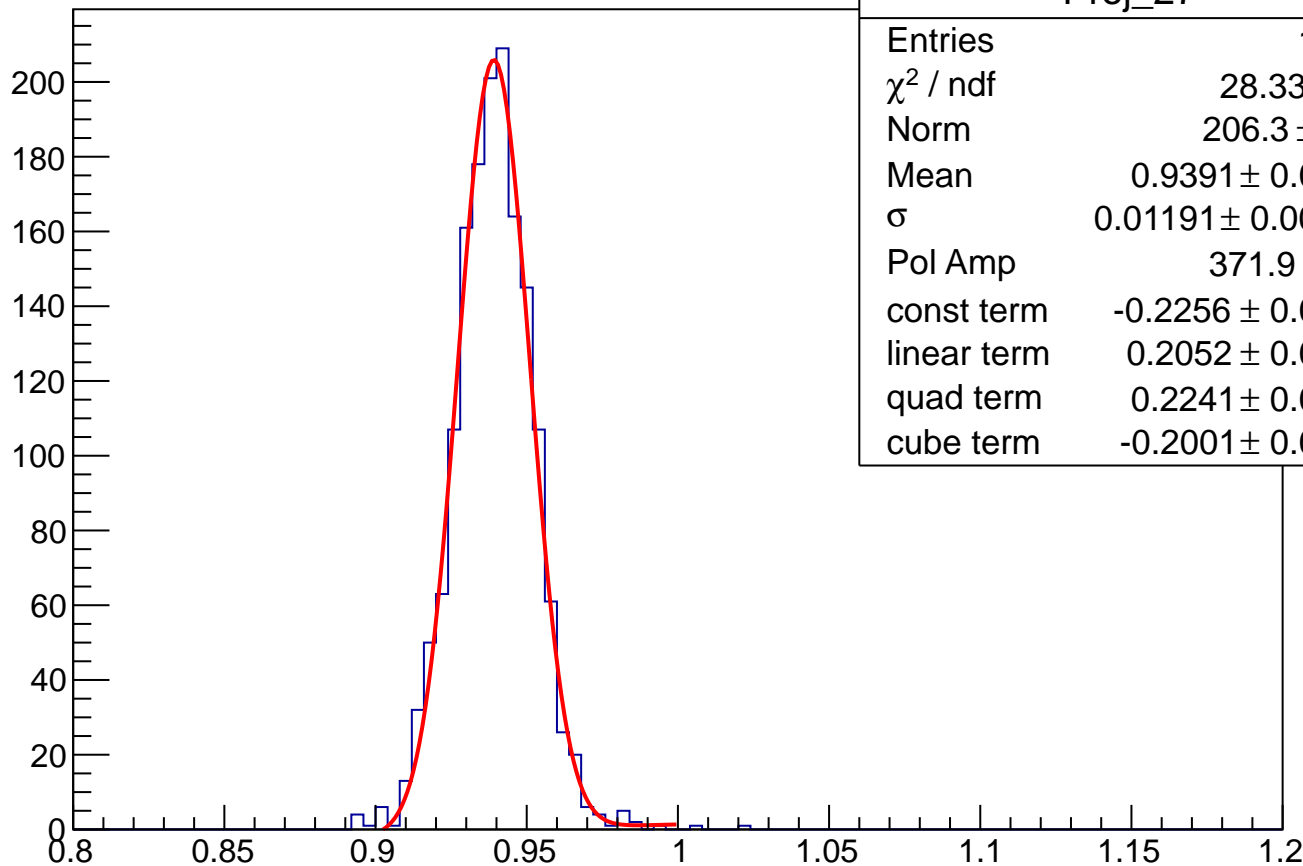
PhiThetaMassPip



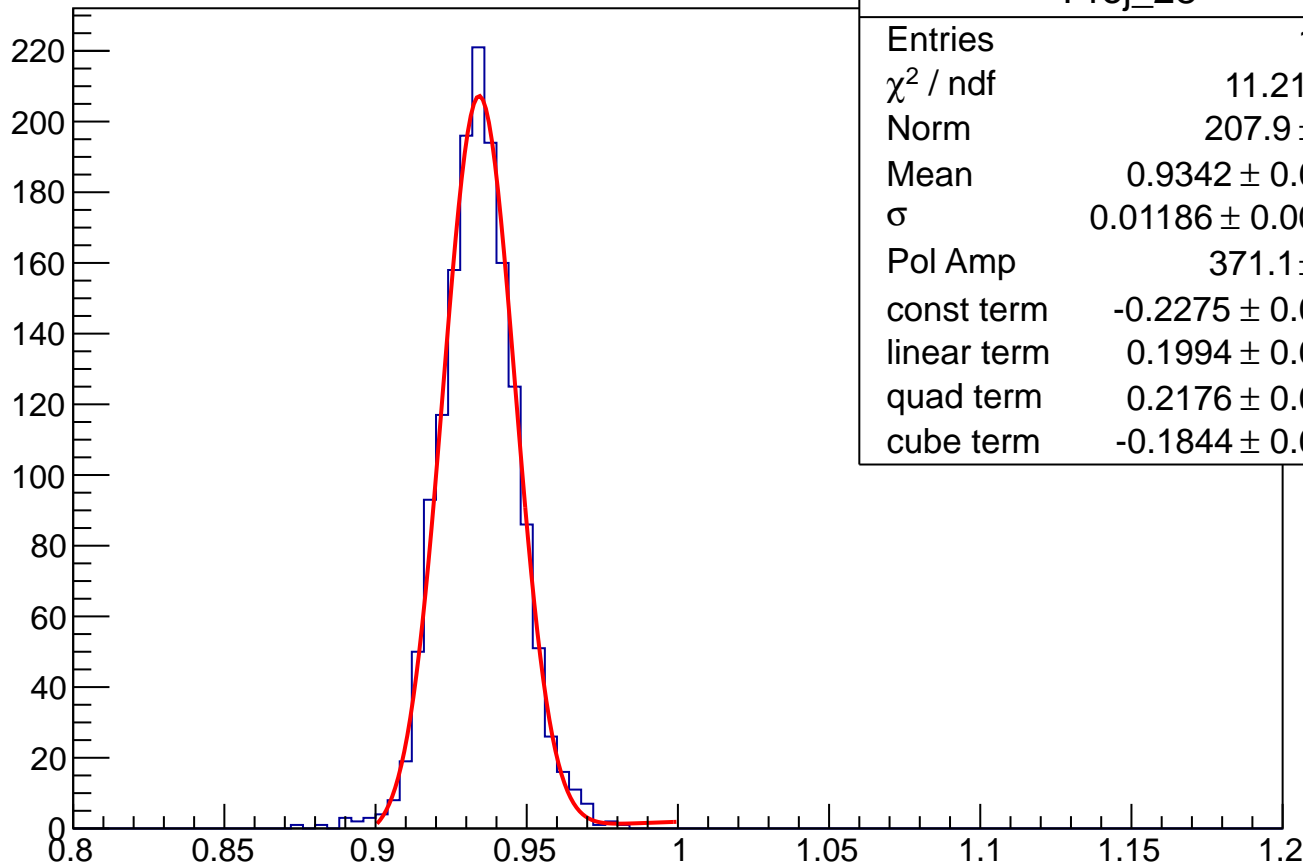
Proj_26

Entries	694
χ^2 / ndf	16.68 / 12
Norm	87.05 ± 4.38
Mean	0.9429 ± 0.0006
σ	0.01206 ± 0.00051
Pol Amp	365.1 ± 0.6
const term	-0.715 ± 0.107
linear term	0.7659 ± 0.1138
quad term	0.8226 ± 0.1213
cube term	-0.8777 ± 0.1325

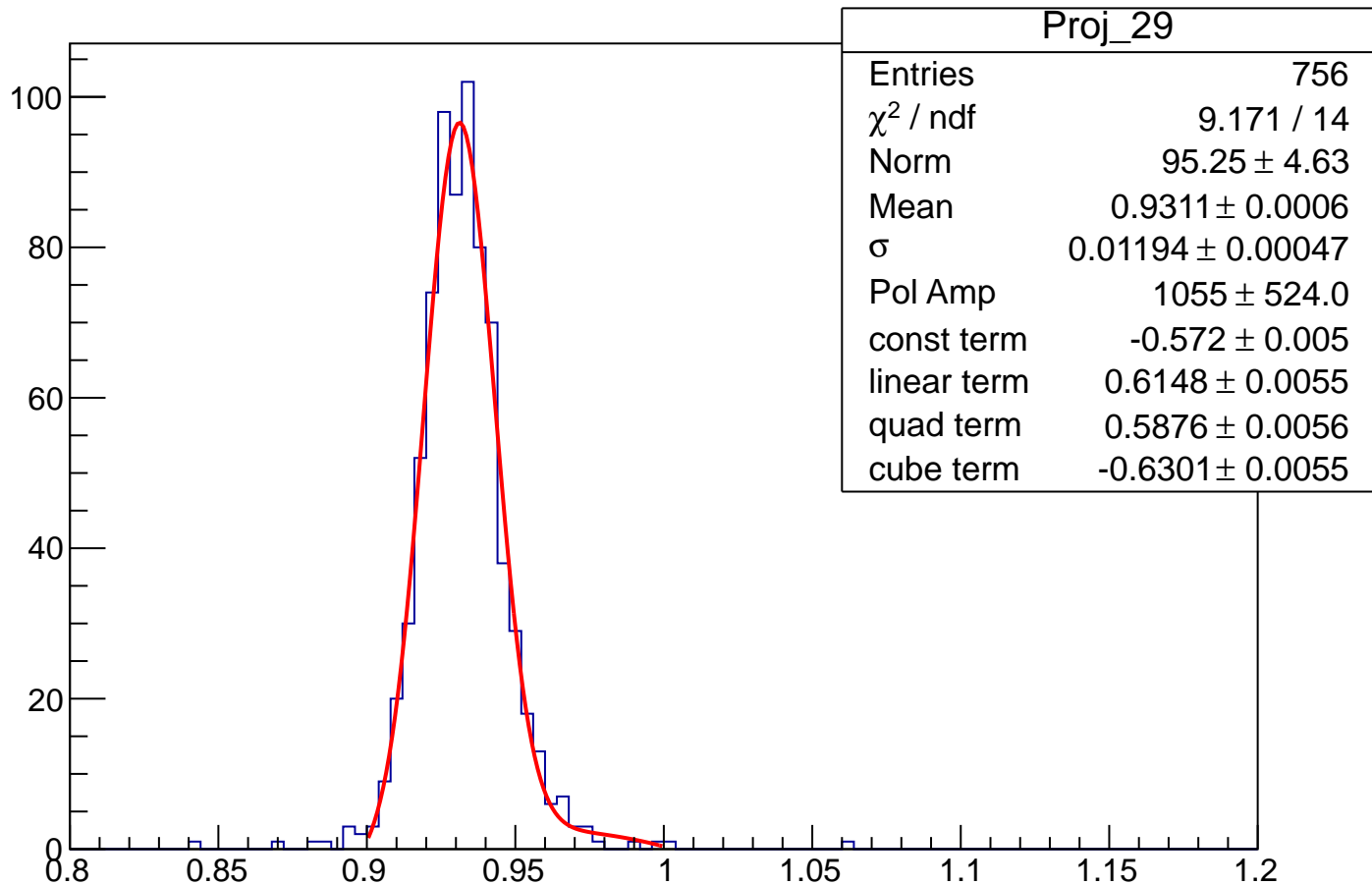
PhiThetaMassPip



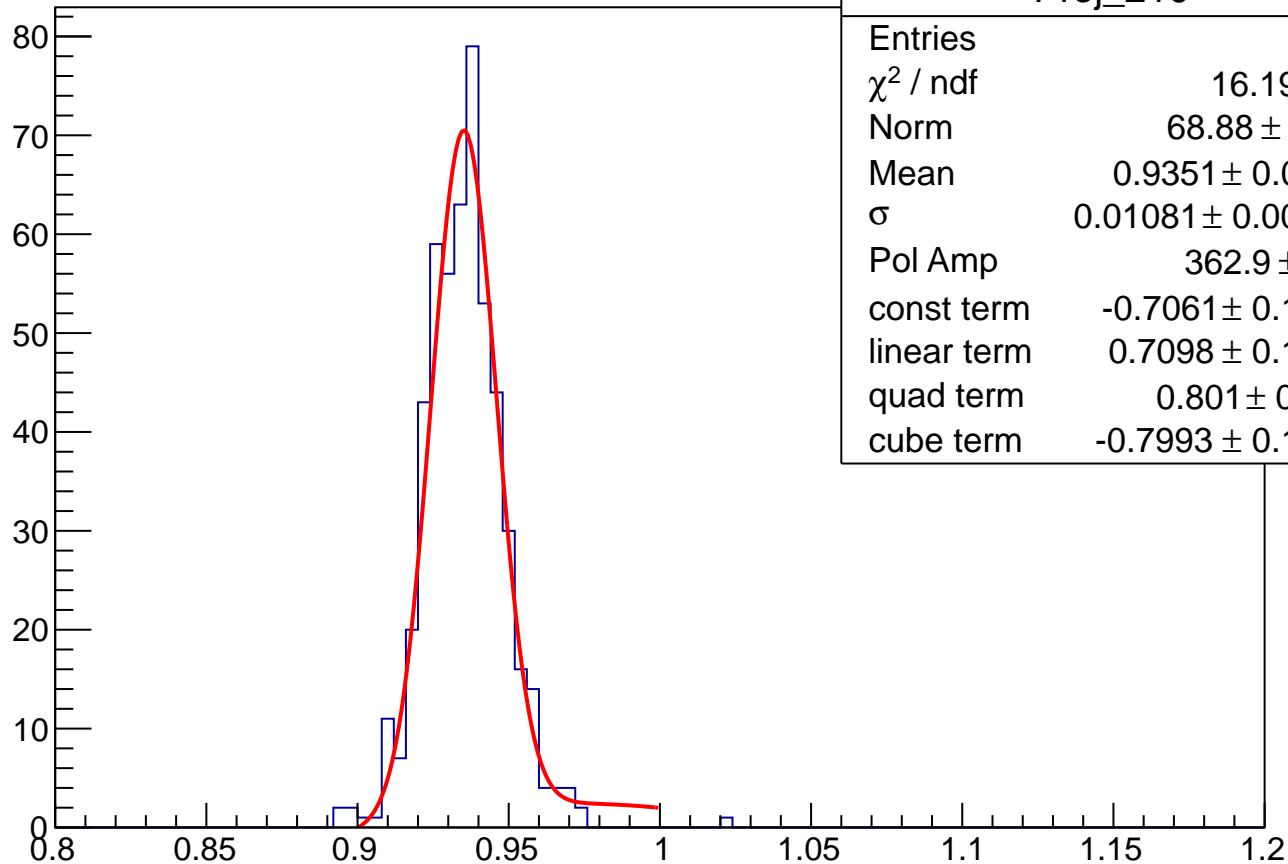
PhiThetaMassPip



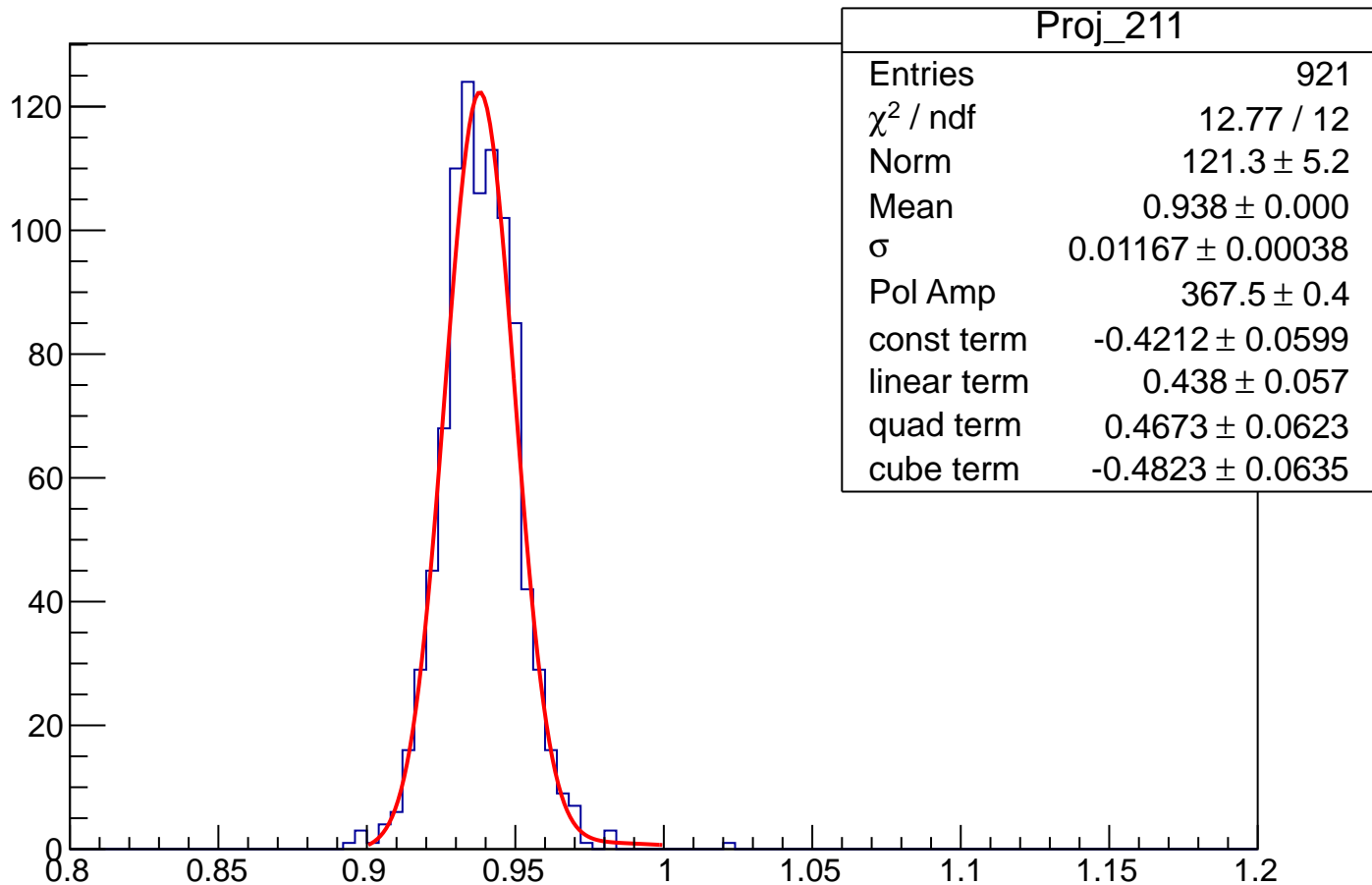
PhiThetaMassPip



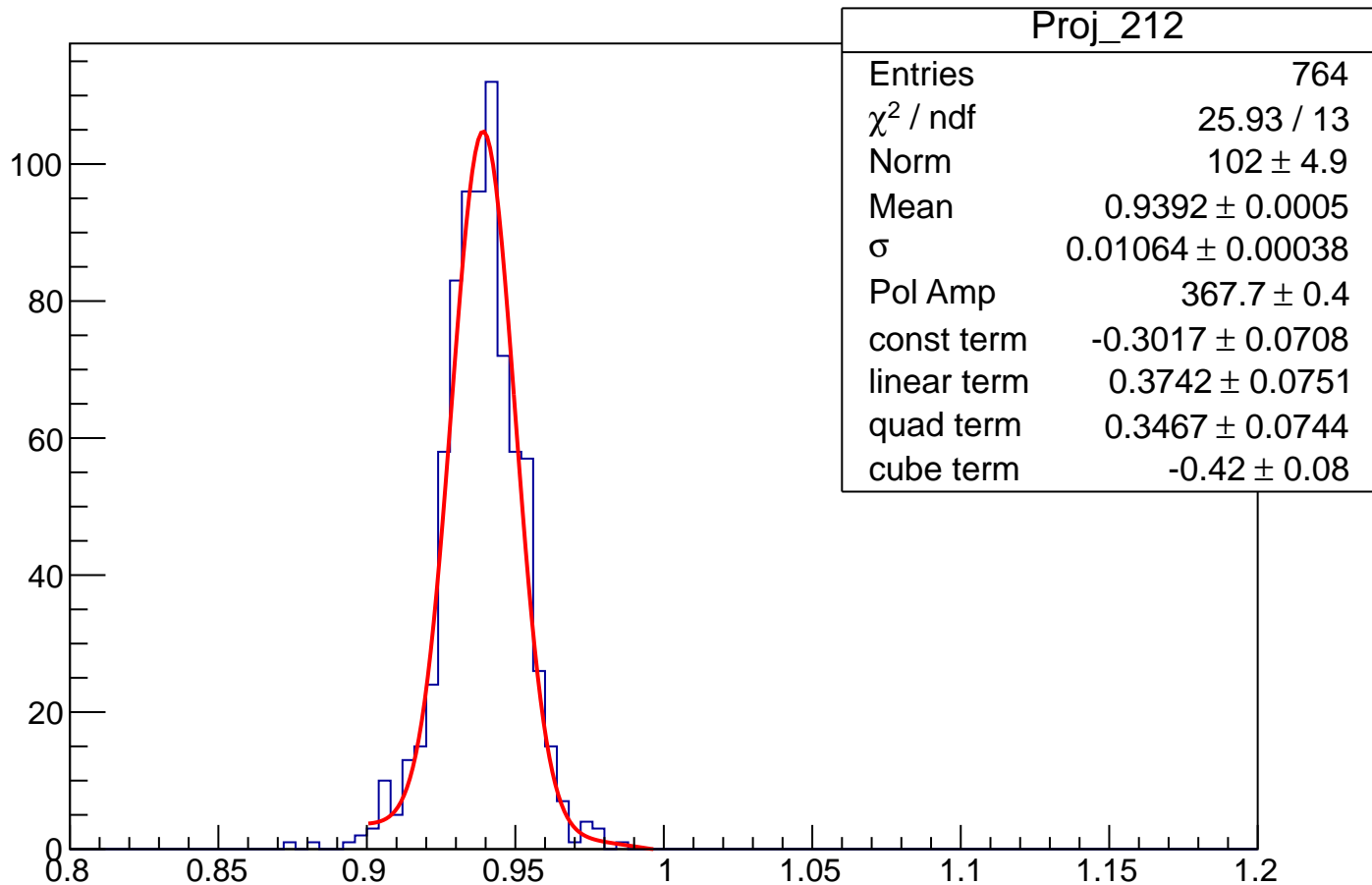
PhiThetaMassPip



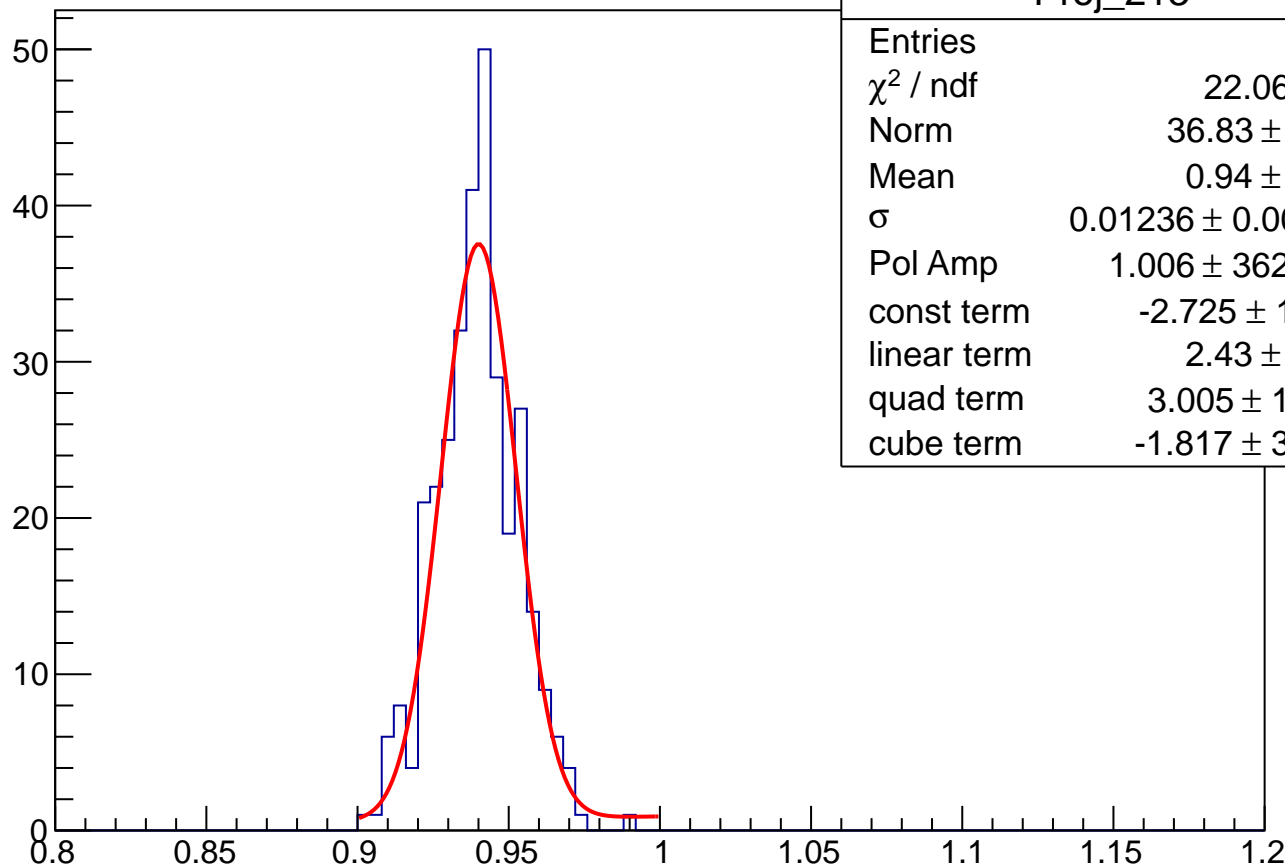
PhiThetaMassPip



PhiThetaMassPip



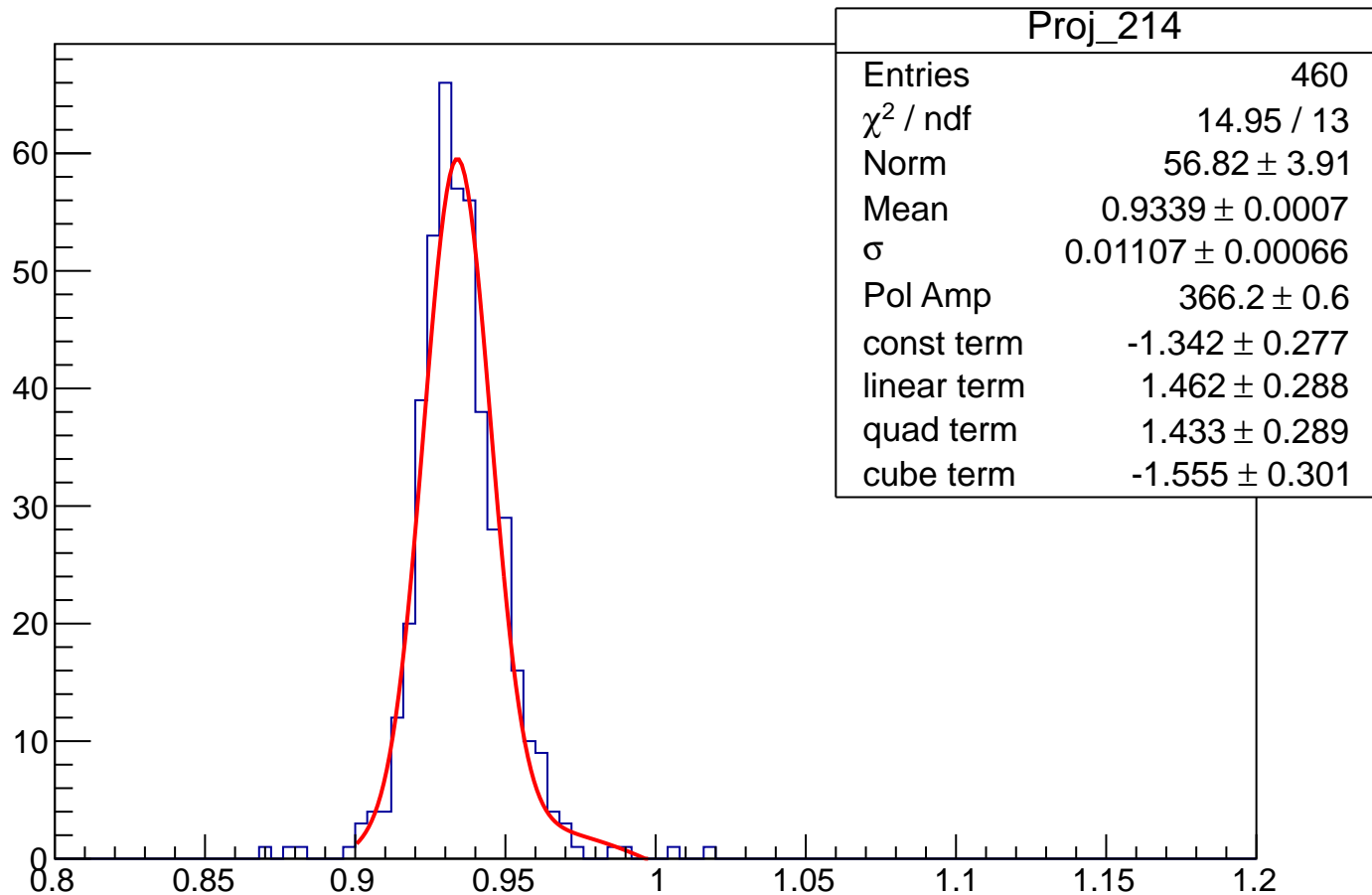
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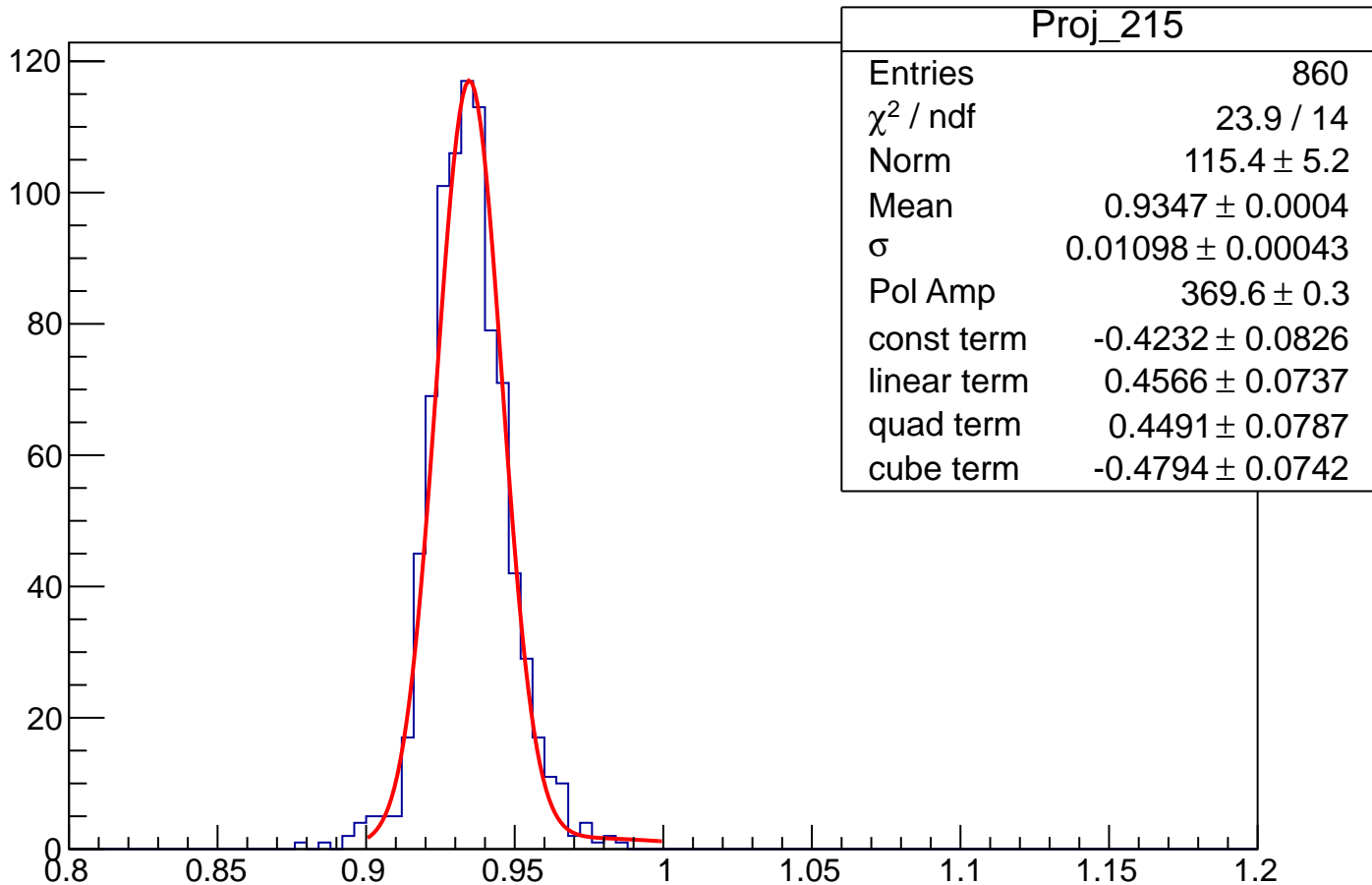
Proj_213

Entries	321
χ^2 / ndf	22.06 / 12
Norm	36.83 ± 2.82
Mean	0.94 ± 0.00
σ	0.01236 ± 0.00083
Pol Amp	1.006 ± 362.639
const term	-2.725 ± 1.281
linear term	2.43 ± 0.39
quad term	3.005 ± 1.235
cube term	-1.817 ± 3.712

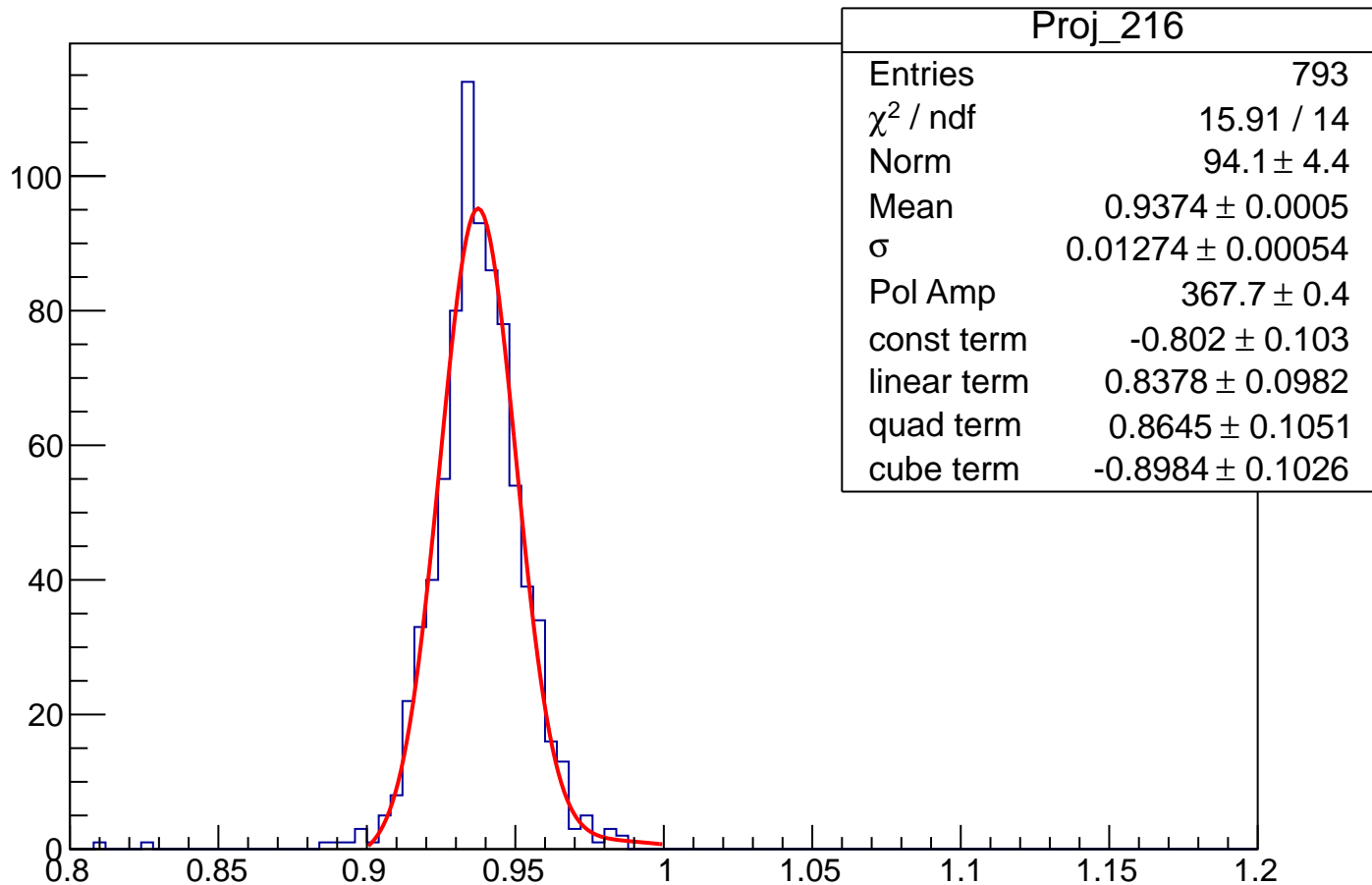
PhiThetaMassPip



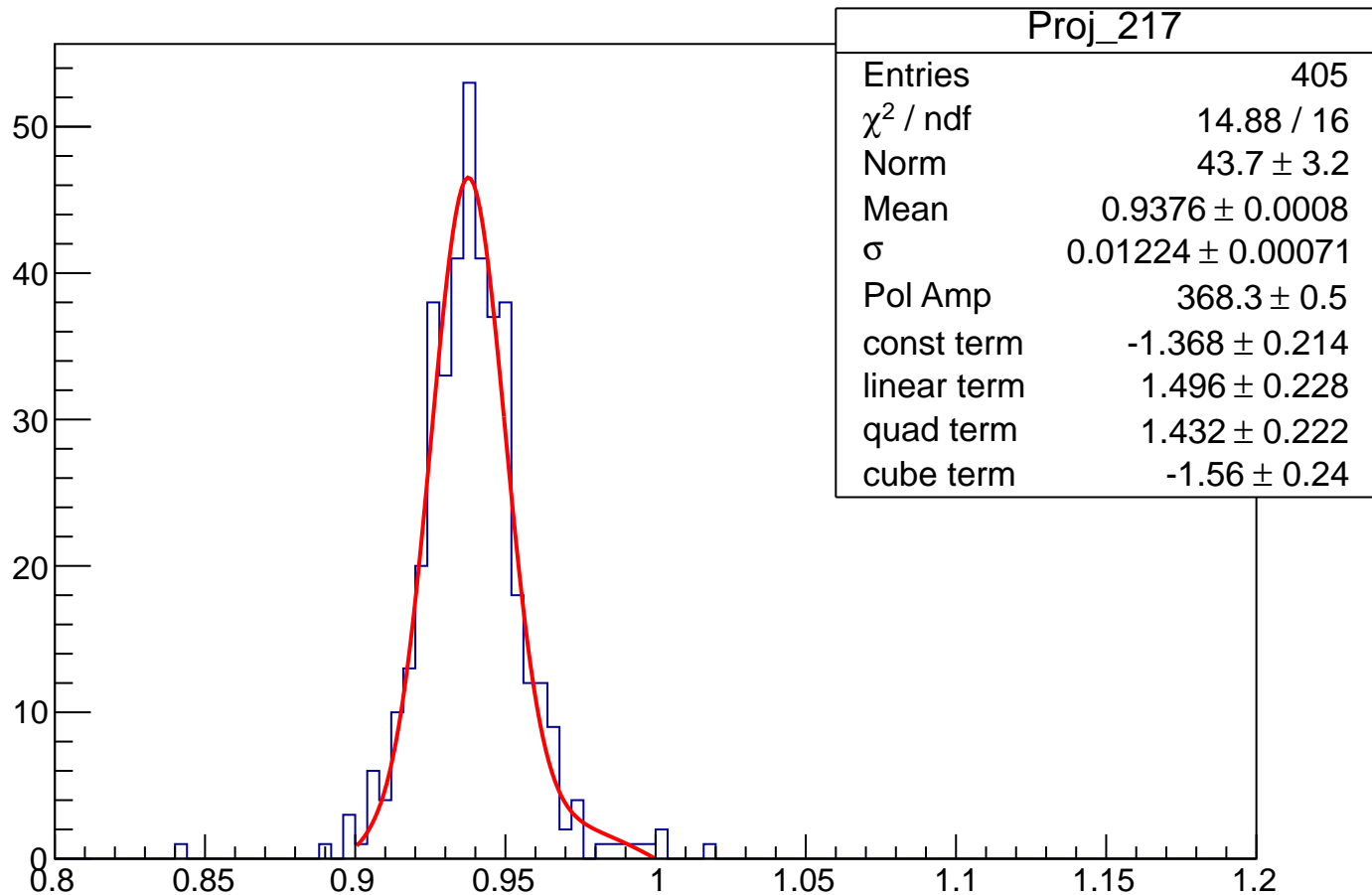
PhiThetaMassPip



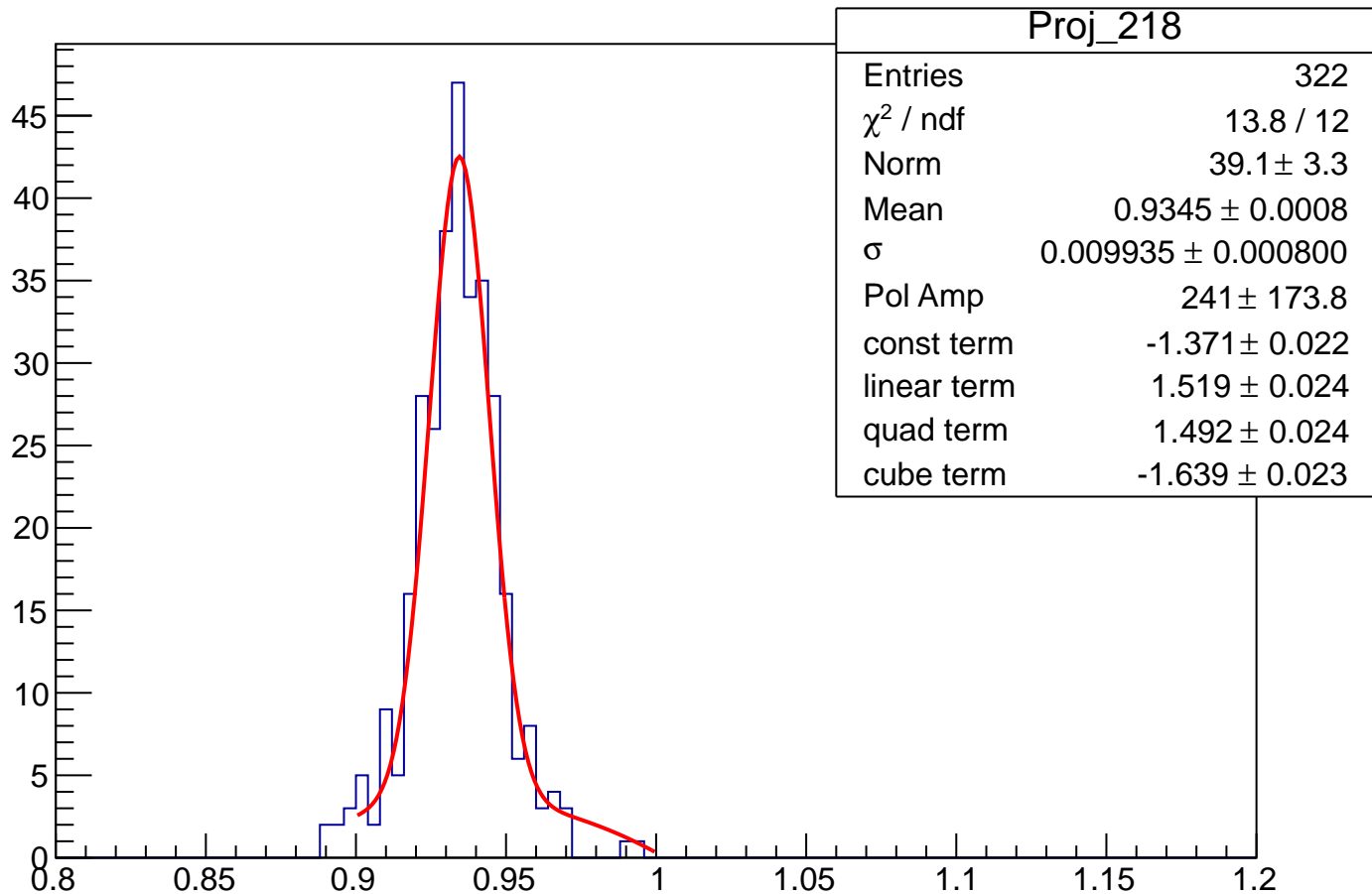
PhiThetaMassPip



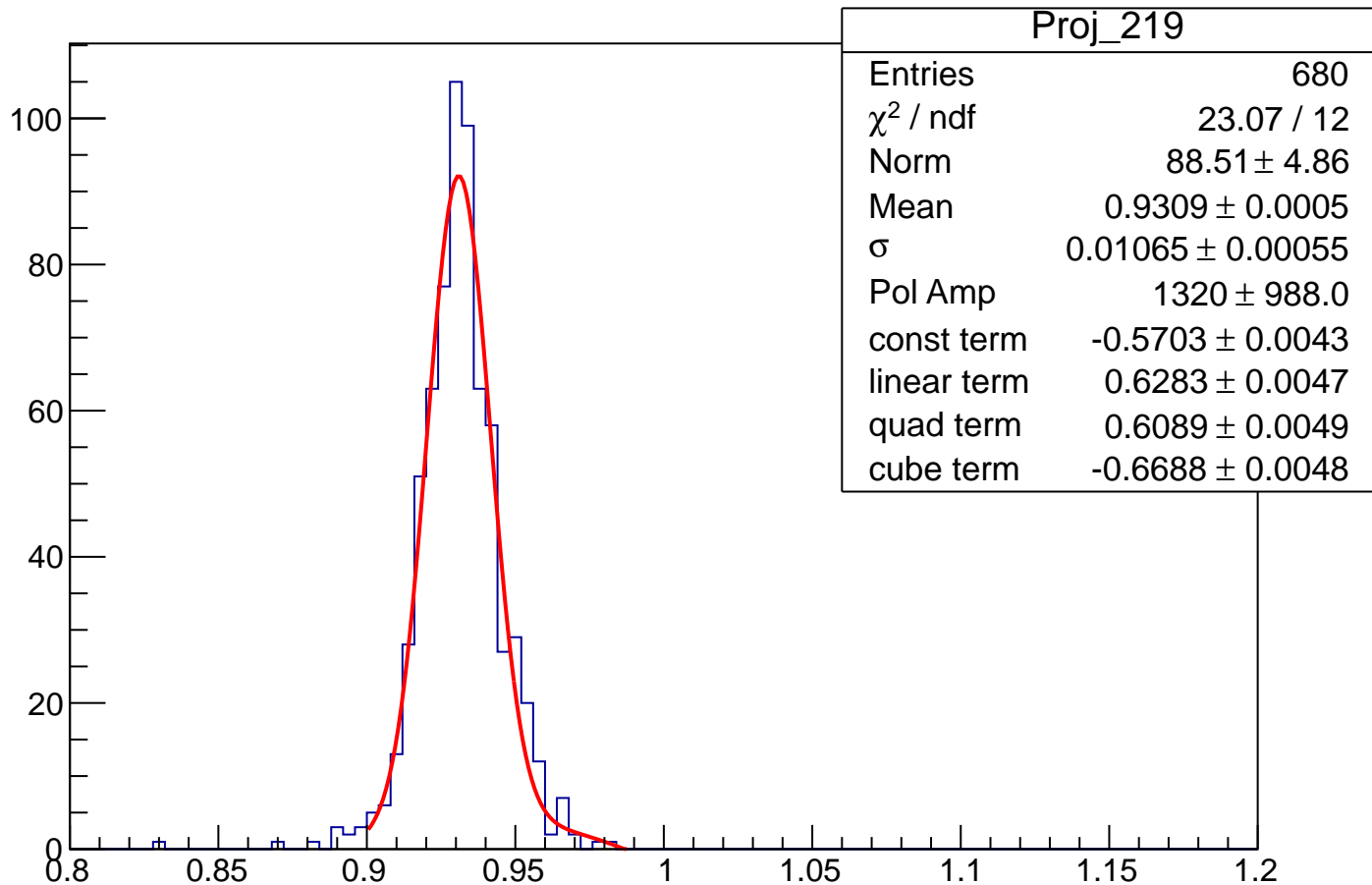
PhiThetaMassPip



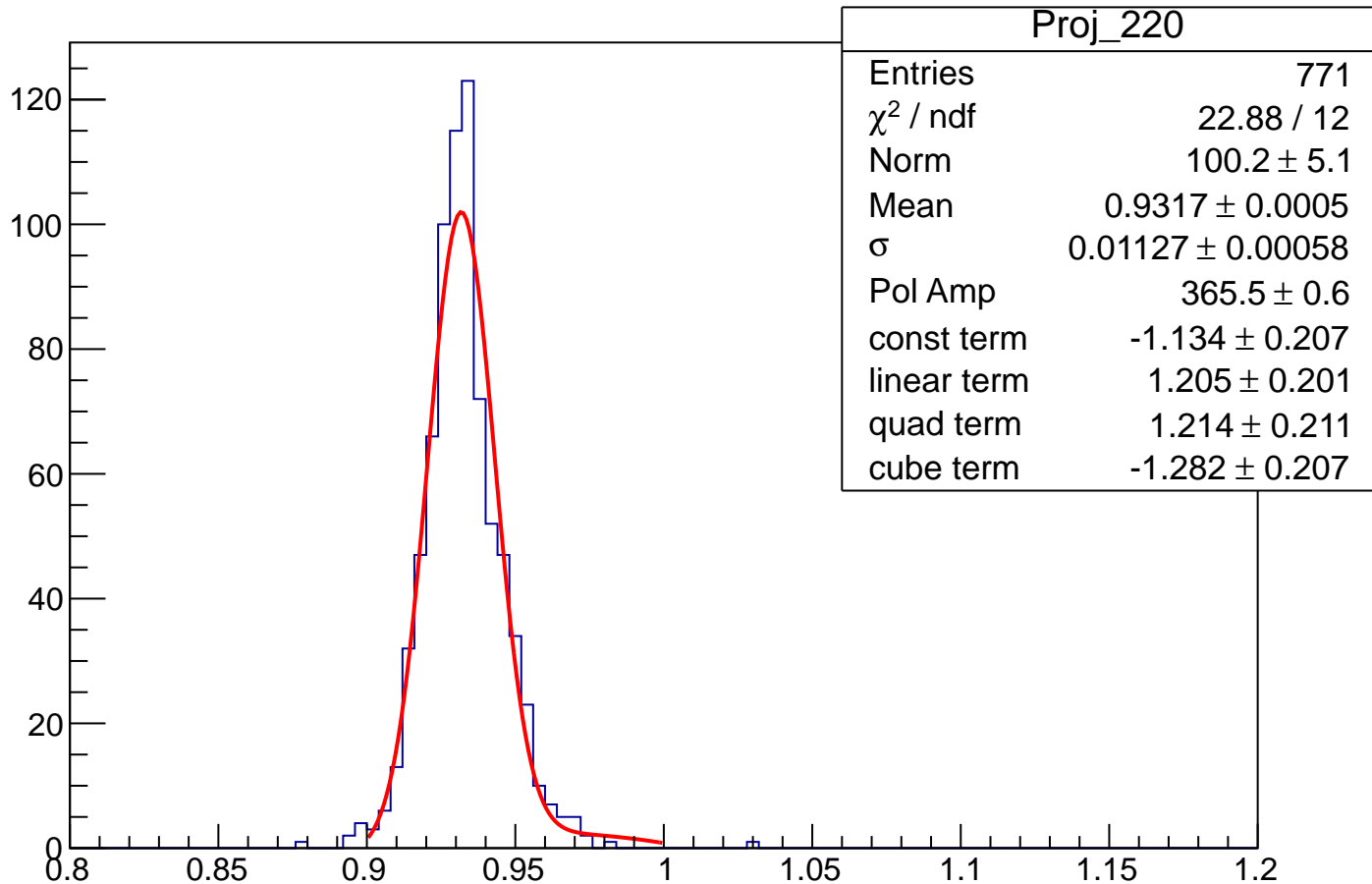
PhiThetaMassPip



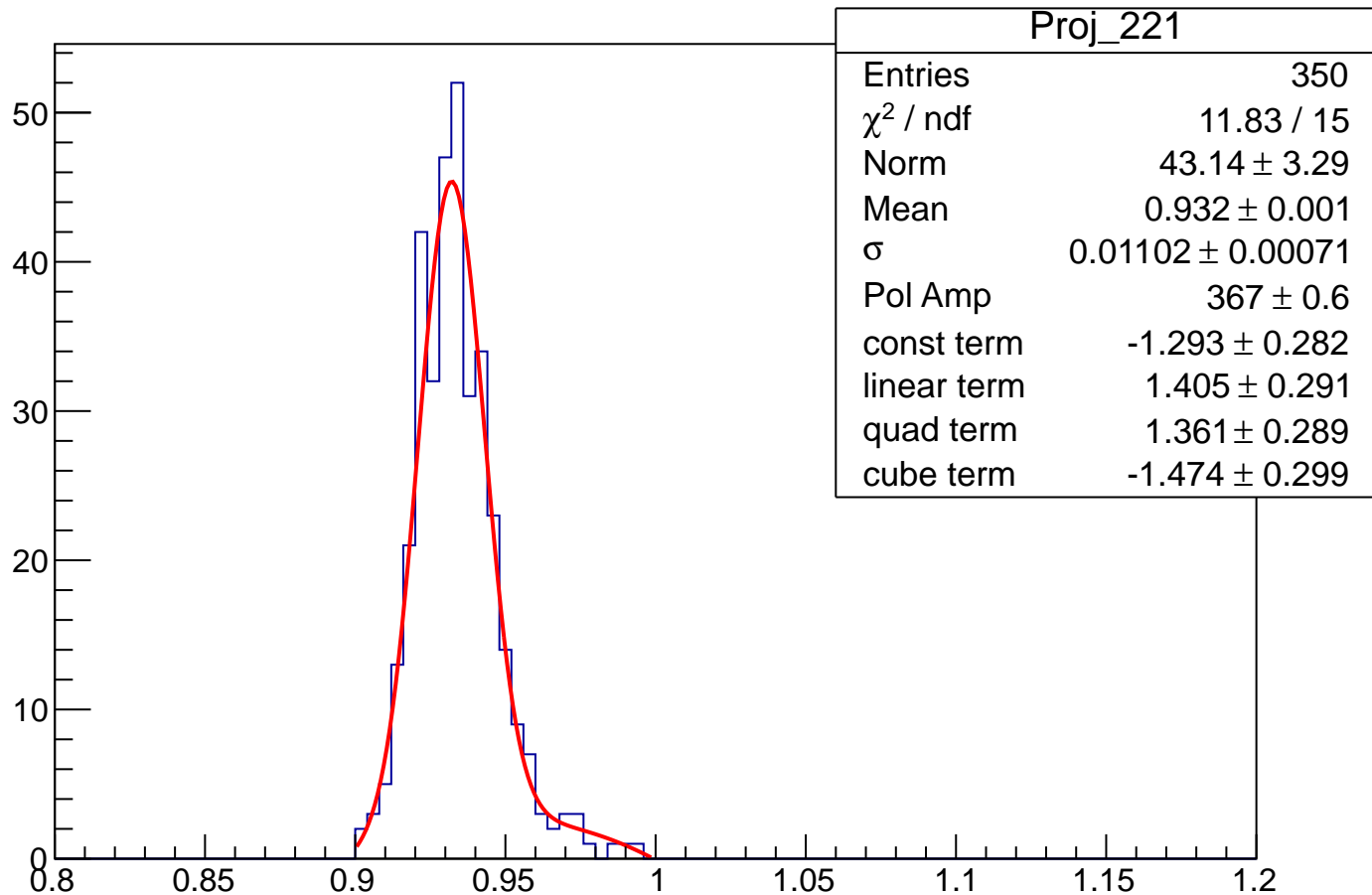
PhiThetaMassPip



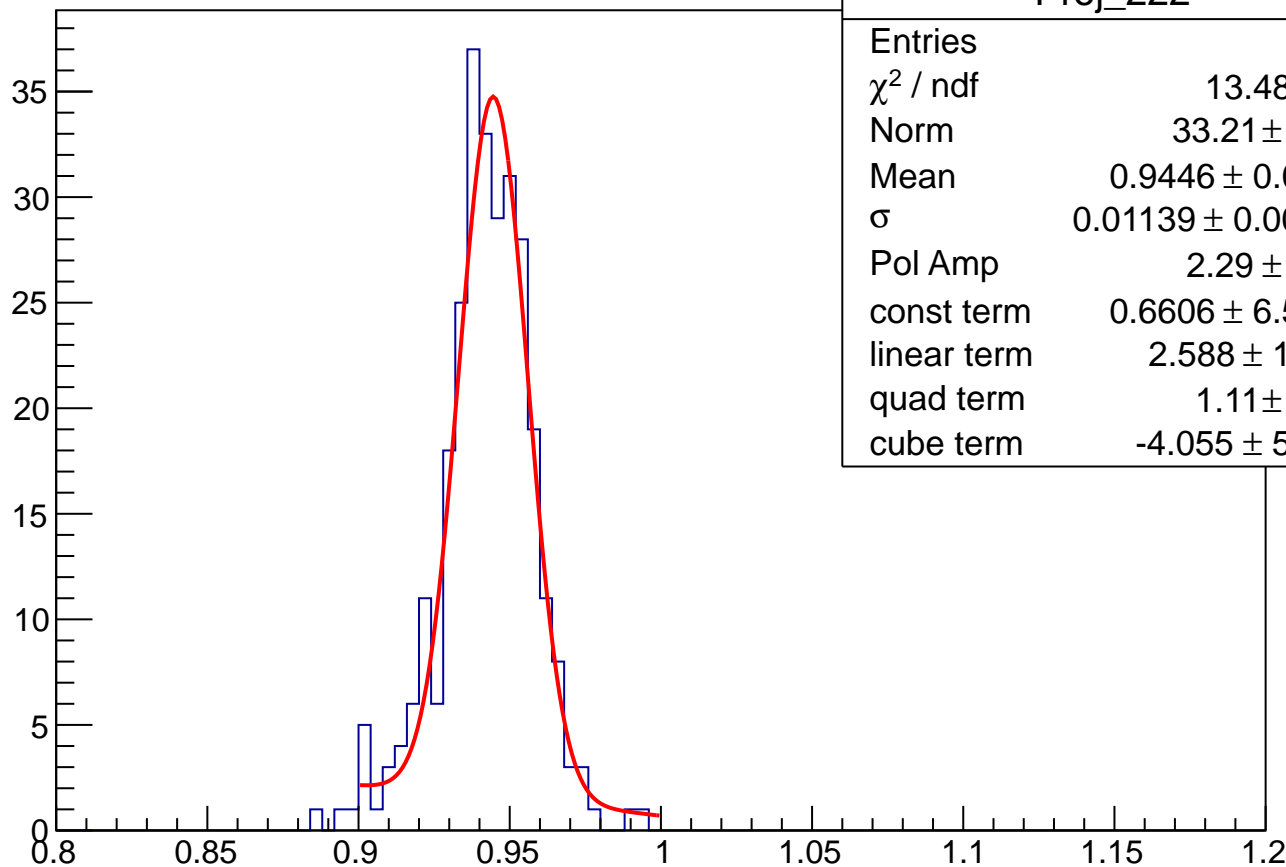
PhiThetaMassPip



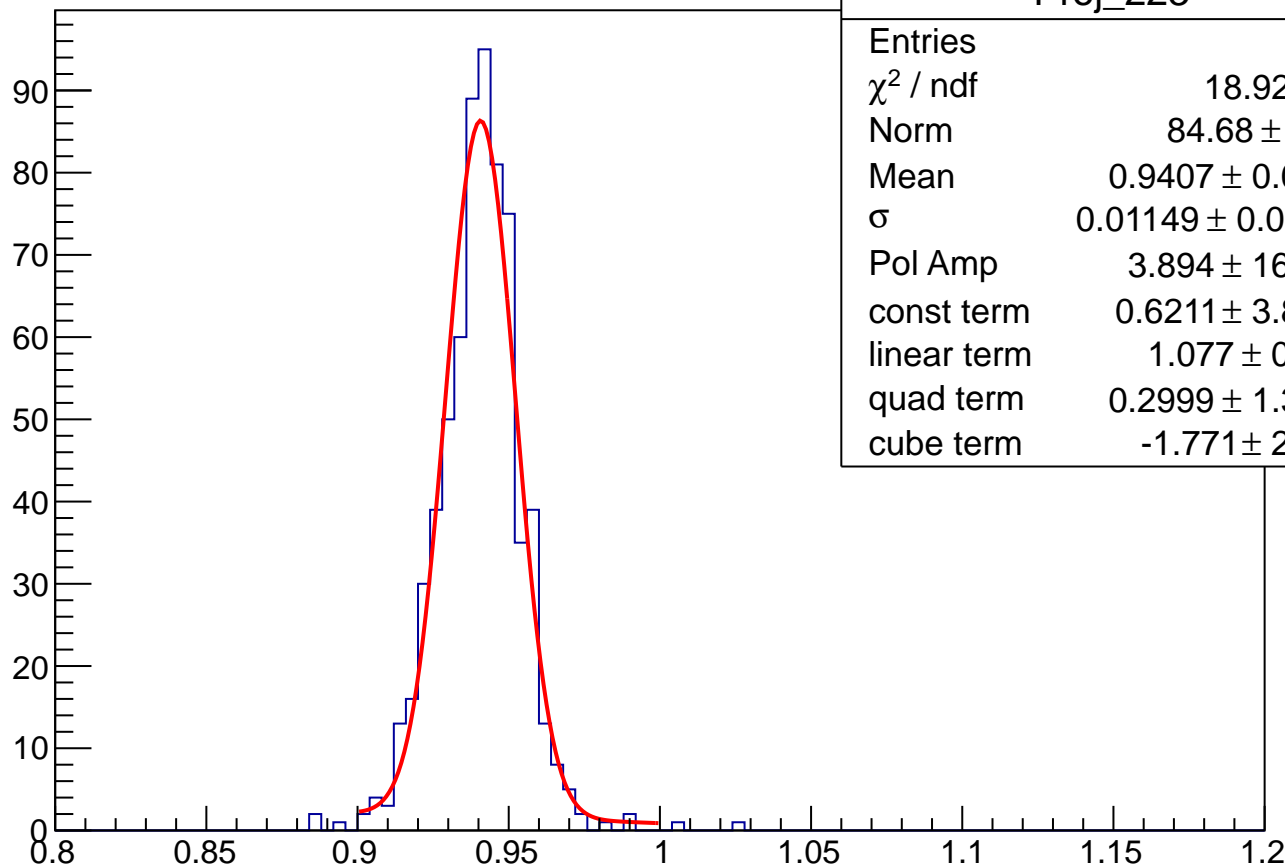
PhiThetaMassPip



PhiThetaMassPip



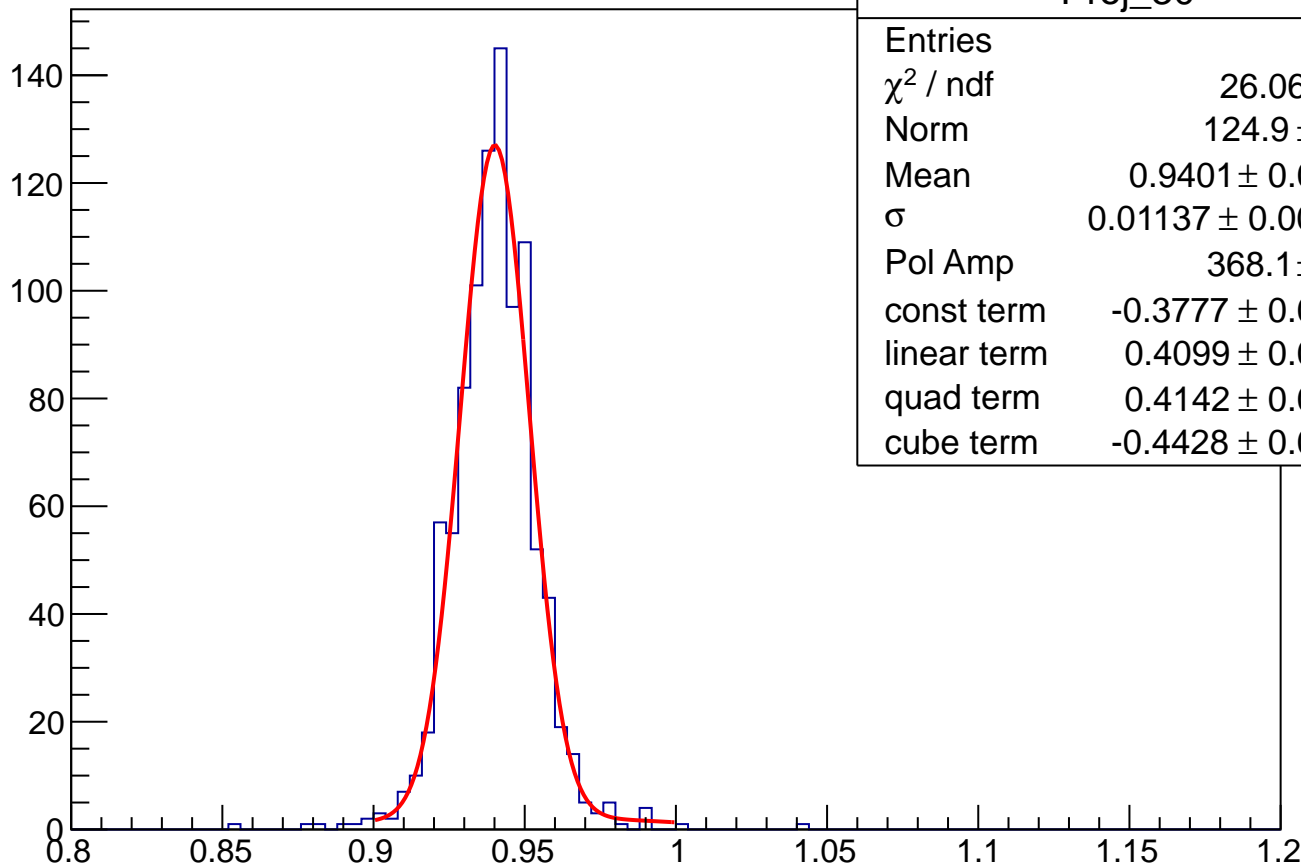
PhiThetaMassPip



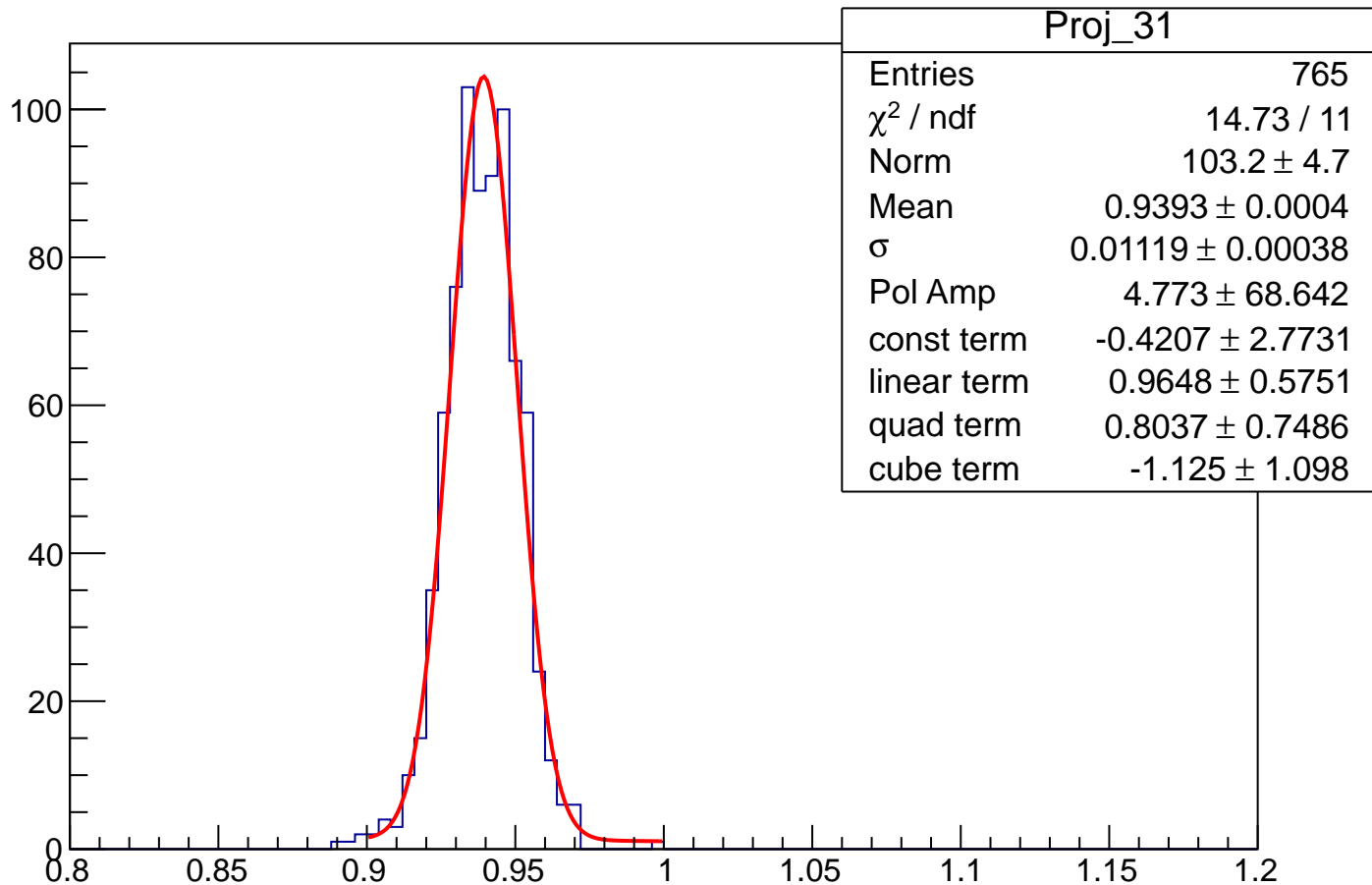
Proj_223

Entries	668
χ^2 / ndf	18.92 / 13
Norm	84.68 ± 4.47
Mean	0.9407 ± 0.0005
σ	0.01149 ± 0.00051
Pol Amp	3.894 ± 16.397
const term	0.6211 ± 3.8078
linear term	1.077 ± 0.736
quad term	0.2999 ± 1.3917
cube term	-1.771 ± 2.382

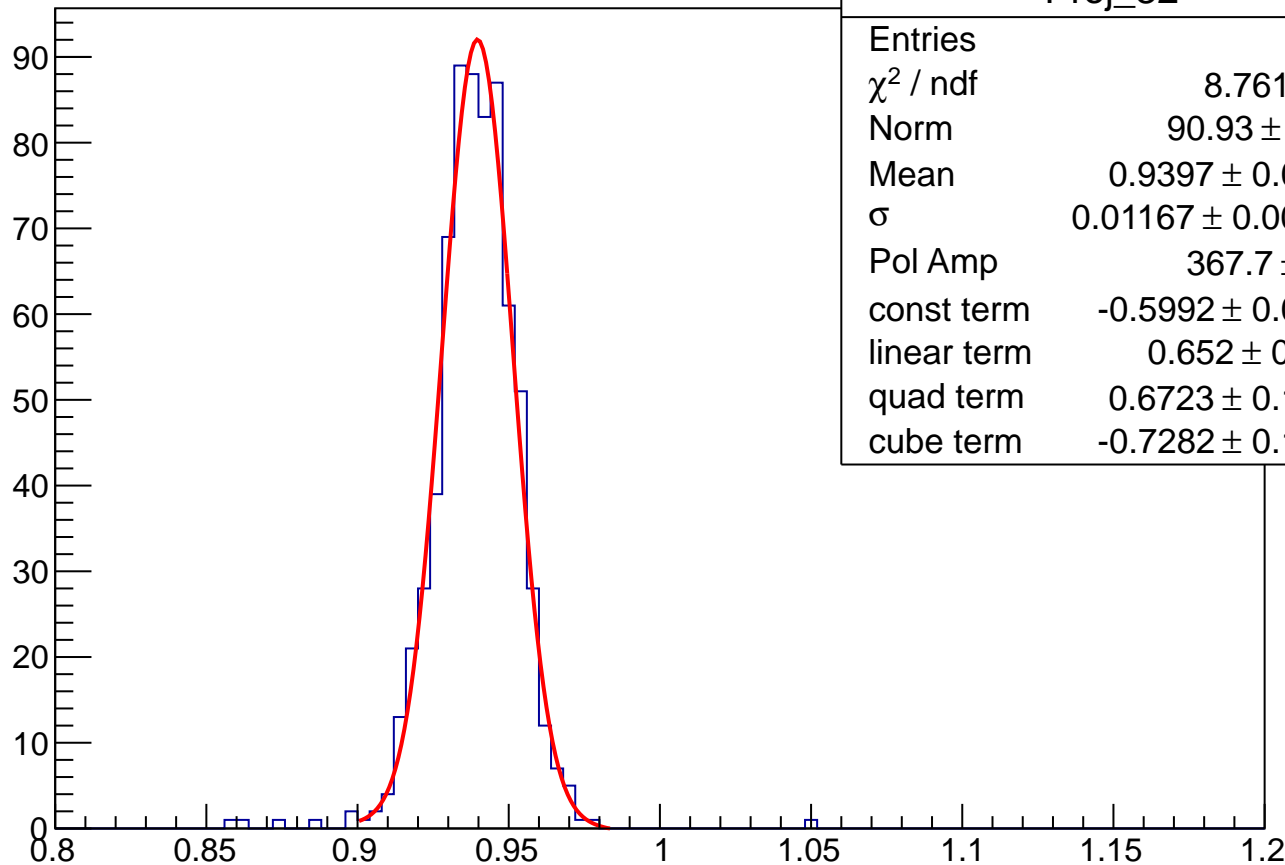
PhiThetaMassPip



PhiThetaMassPip



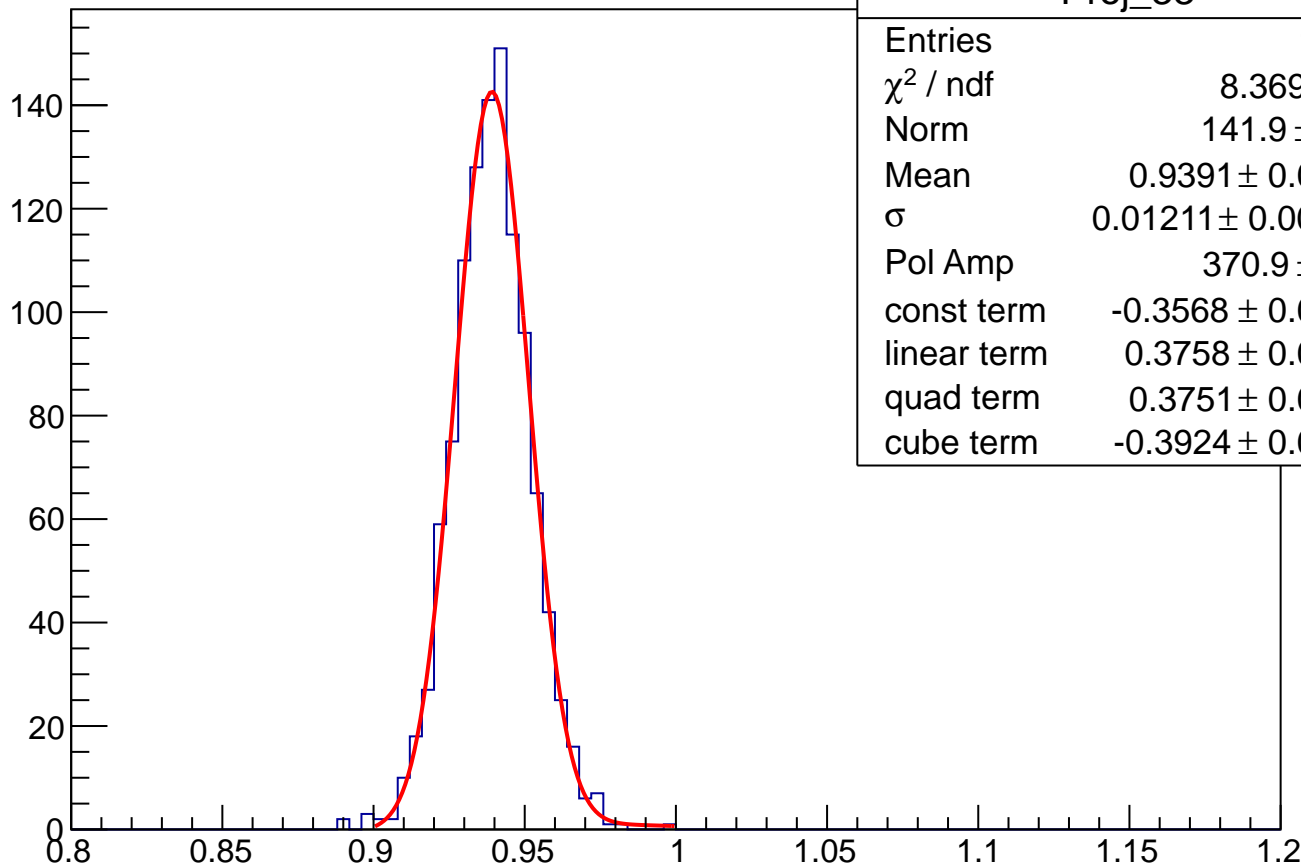
PhiThetaMassPip



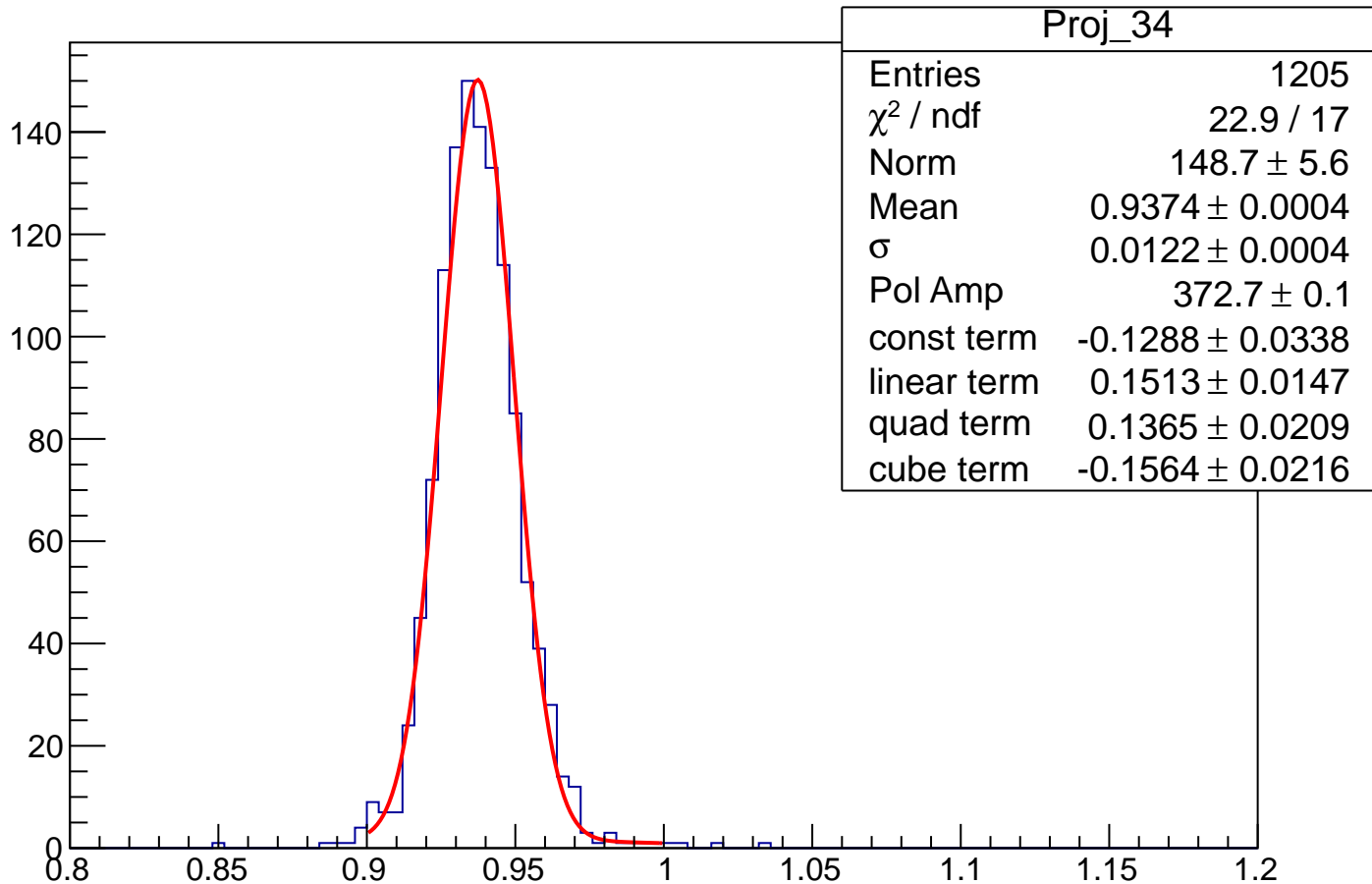
Proj_32

Entries	697
χ^2 / ndf	8.761 / 12
Norm	90.93 ± 4.49
Mean	0.9397 ± 0.0005
σ	0.01167 ± 0.00045
Pol Amp	367.7 ± 0.4
const term	-0.5992 ± 0.0932
linear term	0.652 ± 0.098
quad term	0.6723 ± 0.1014
cube term	-0.7282 ± 0.1088

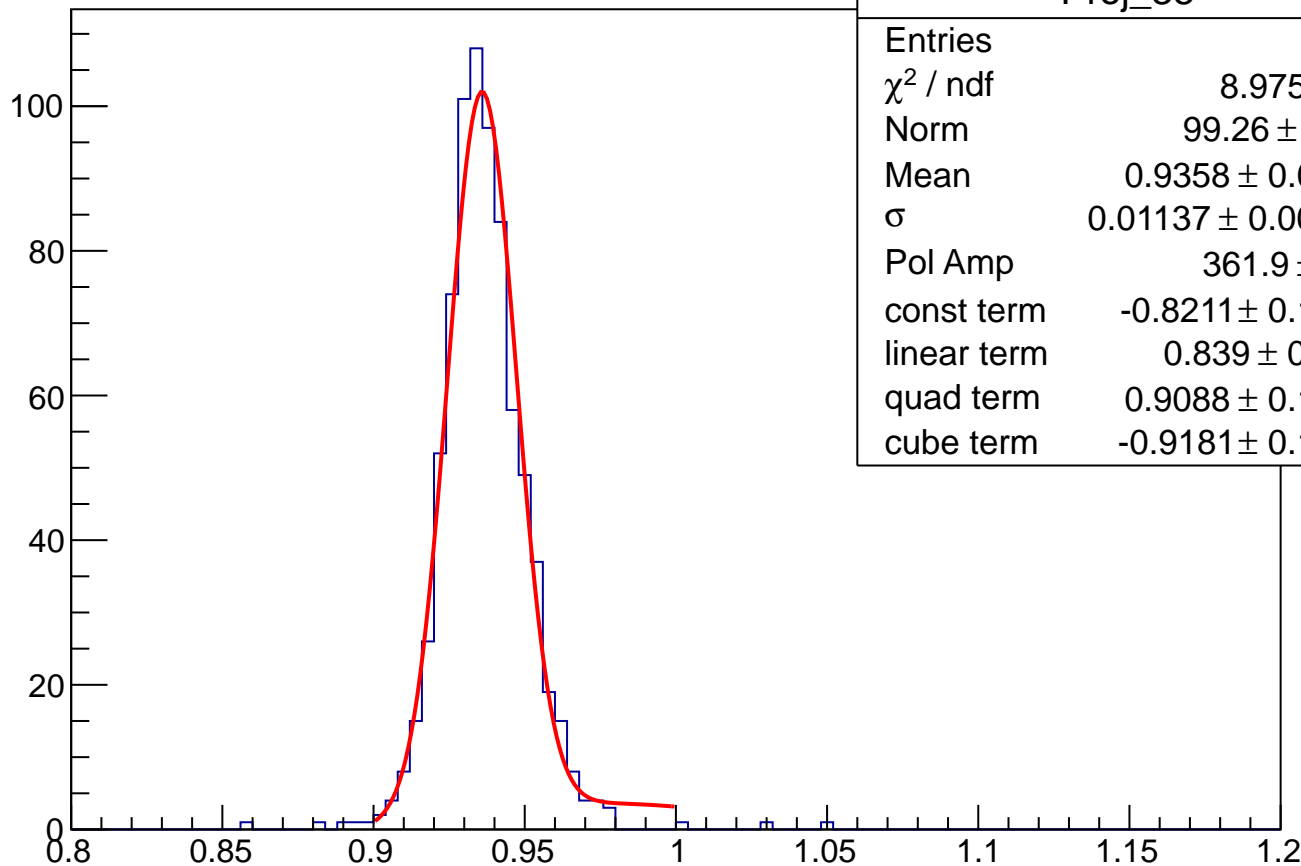
PhiThetaMassPip



PhiThetaMassPip



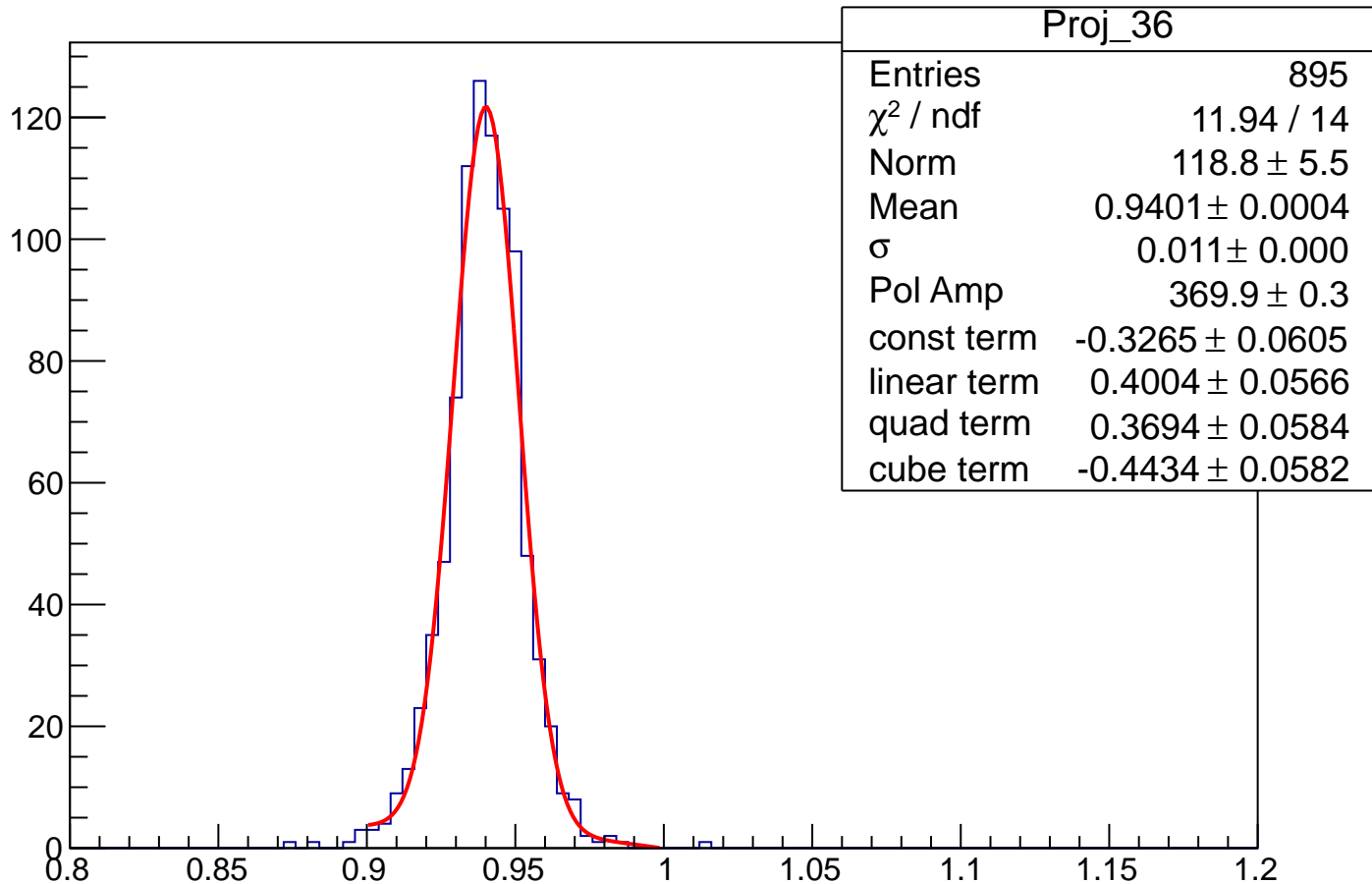
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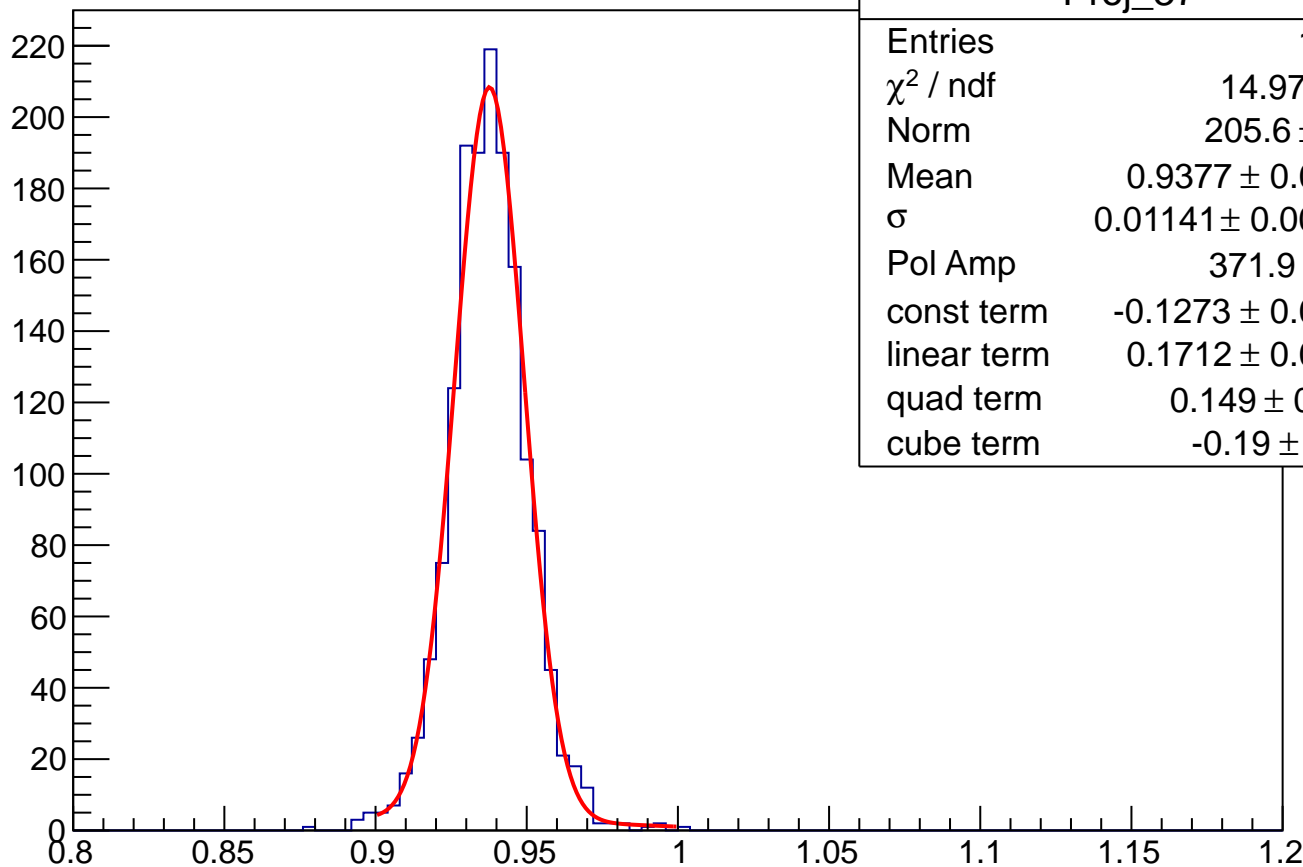
Proj_35

Entries	776
χ^2 / ndf	8.975 / 12
Norm	99.26 ± 4.92
Mean	0.9358 ± 0.0005
σ	0.01137 ± 0.00049
Pol Amp	361.9 ± 0.7
const term	-0.8211 ± 0.1285
linear term	0.839 ± 0.130
quad term	0.9088 ± 0.1398
cube term	-0.9181 ± 0.1454

PhiThetaMassPip



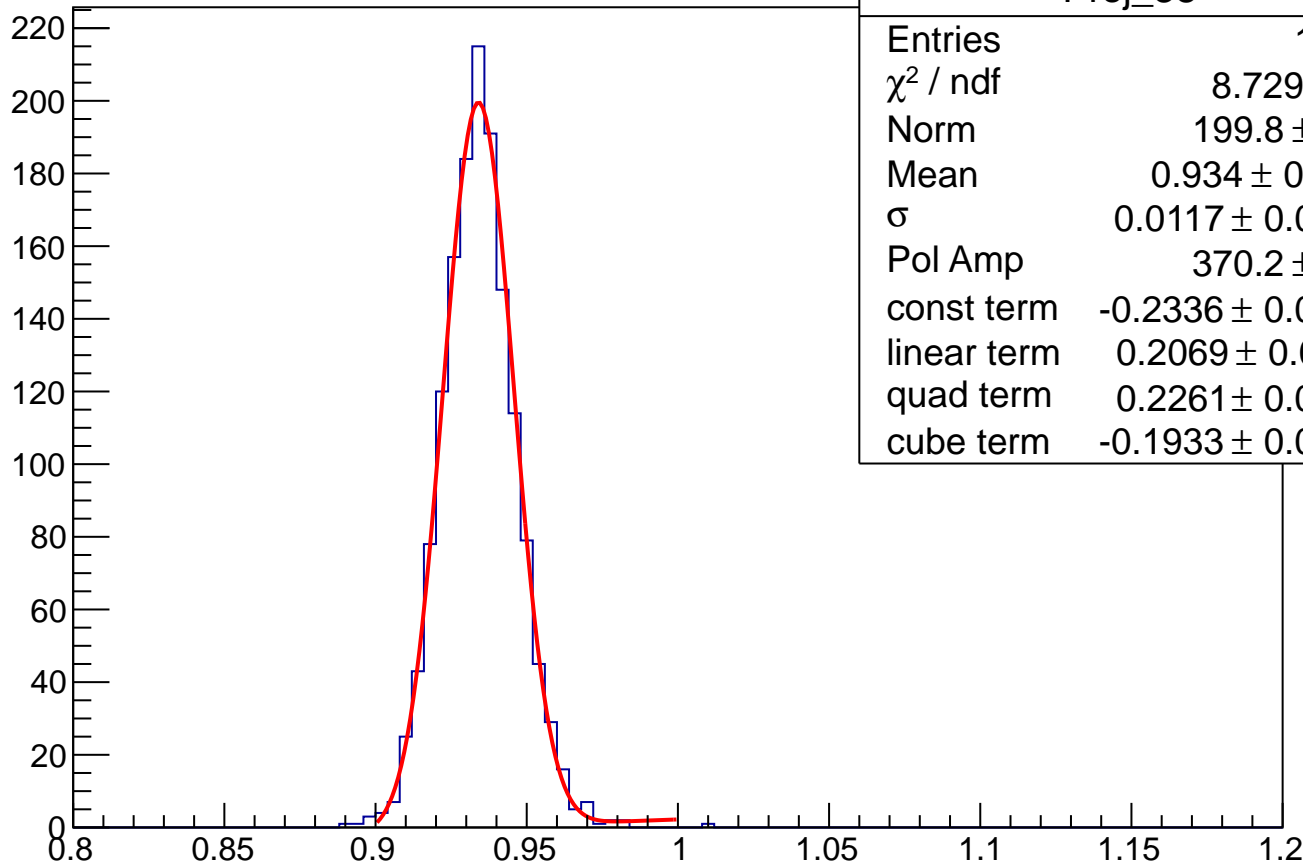
PhiThetaMassPip



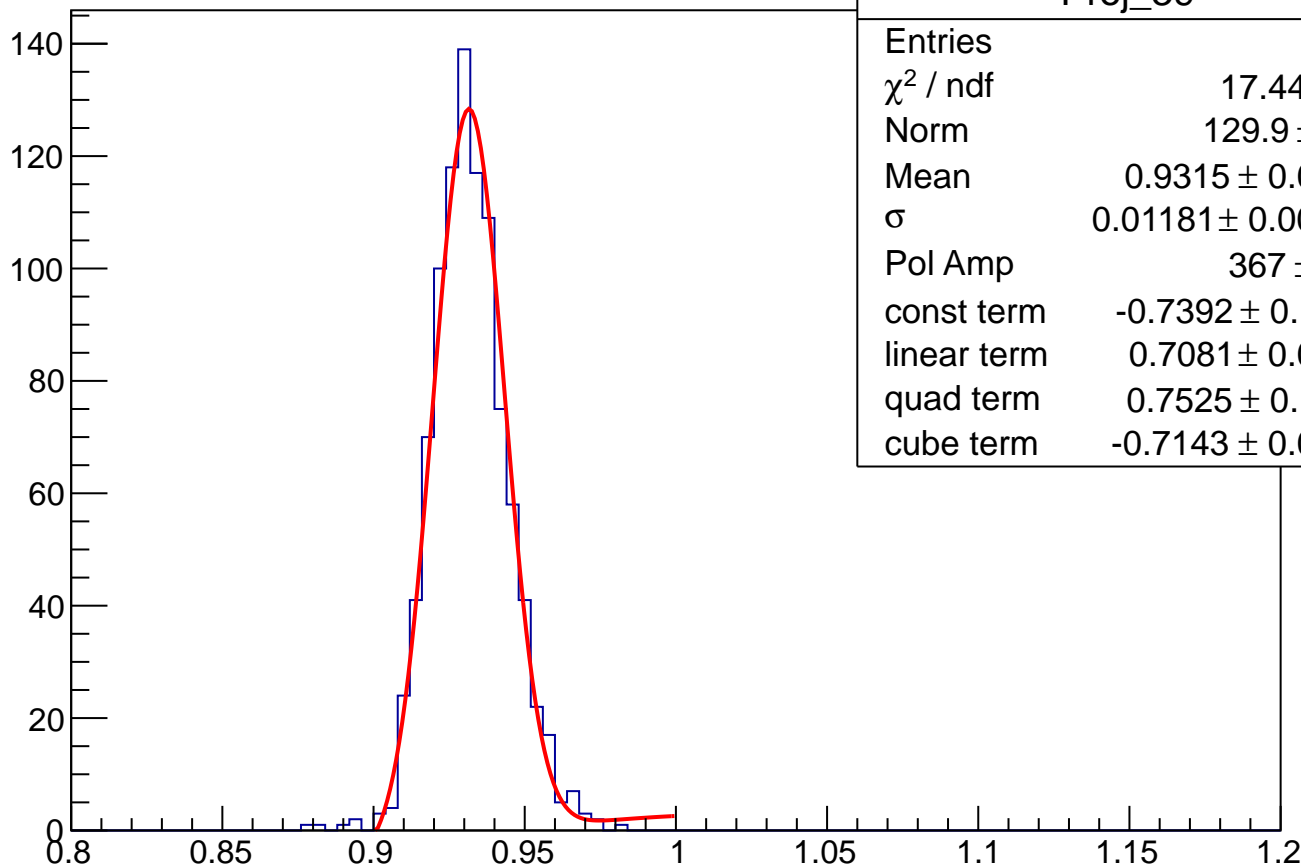
Proj_37

Entries	1553
χ^2 / ndf	14.97 / 15
Norm	205.6 ± 7.0
Mean	0.9377 ± 0.0003
σ	0.01141 ± 0.00032
Pol Amp	371.9 ± 0.1
const term	-0.1273 ± 0.0312
linear term	0.1712 ± 0.0162
quad term	0.149 ± 0.021
cube term	-0.19 ± 0.02

PhiThetaMassPip



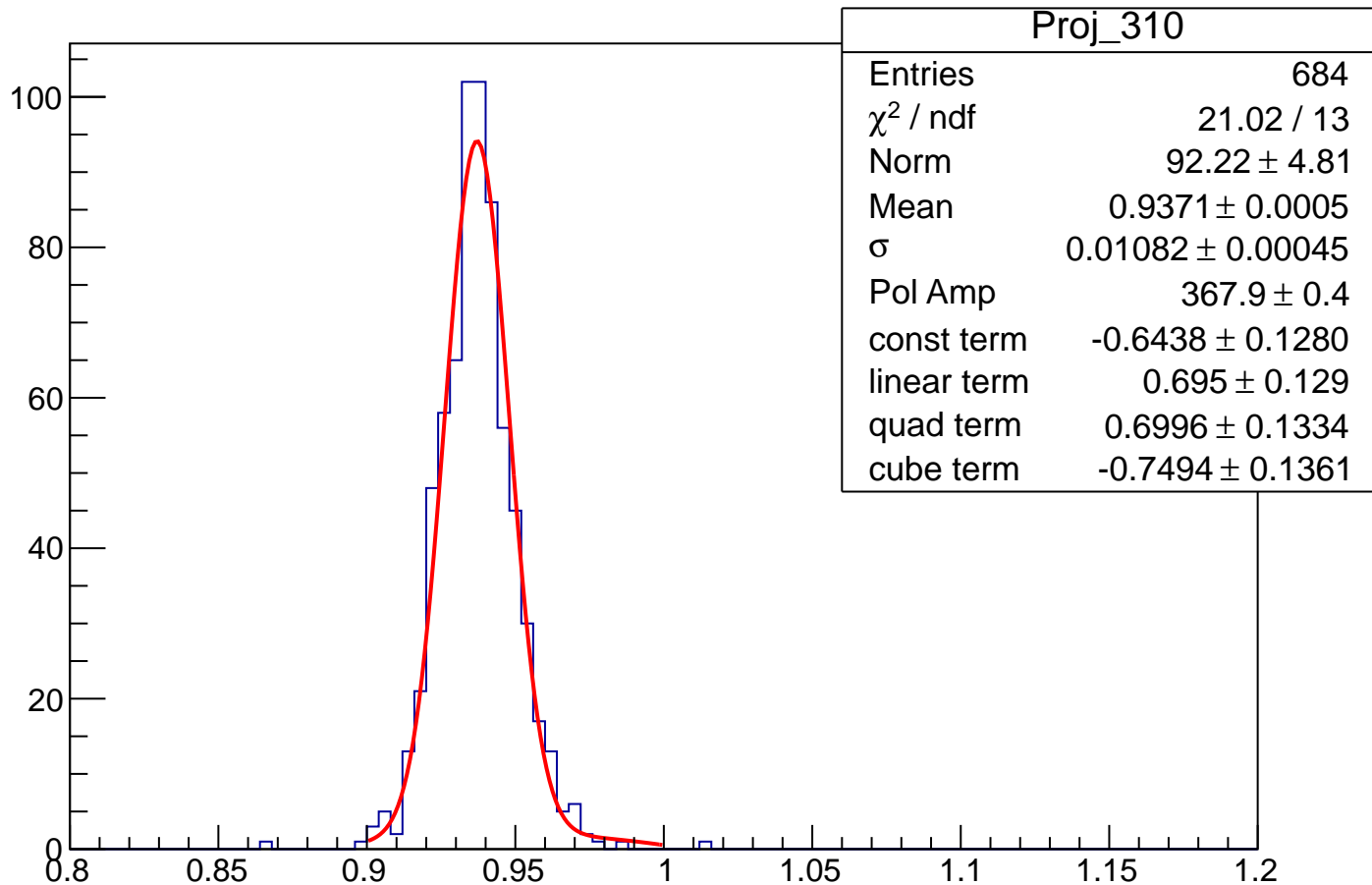
PhiThetaMassPip



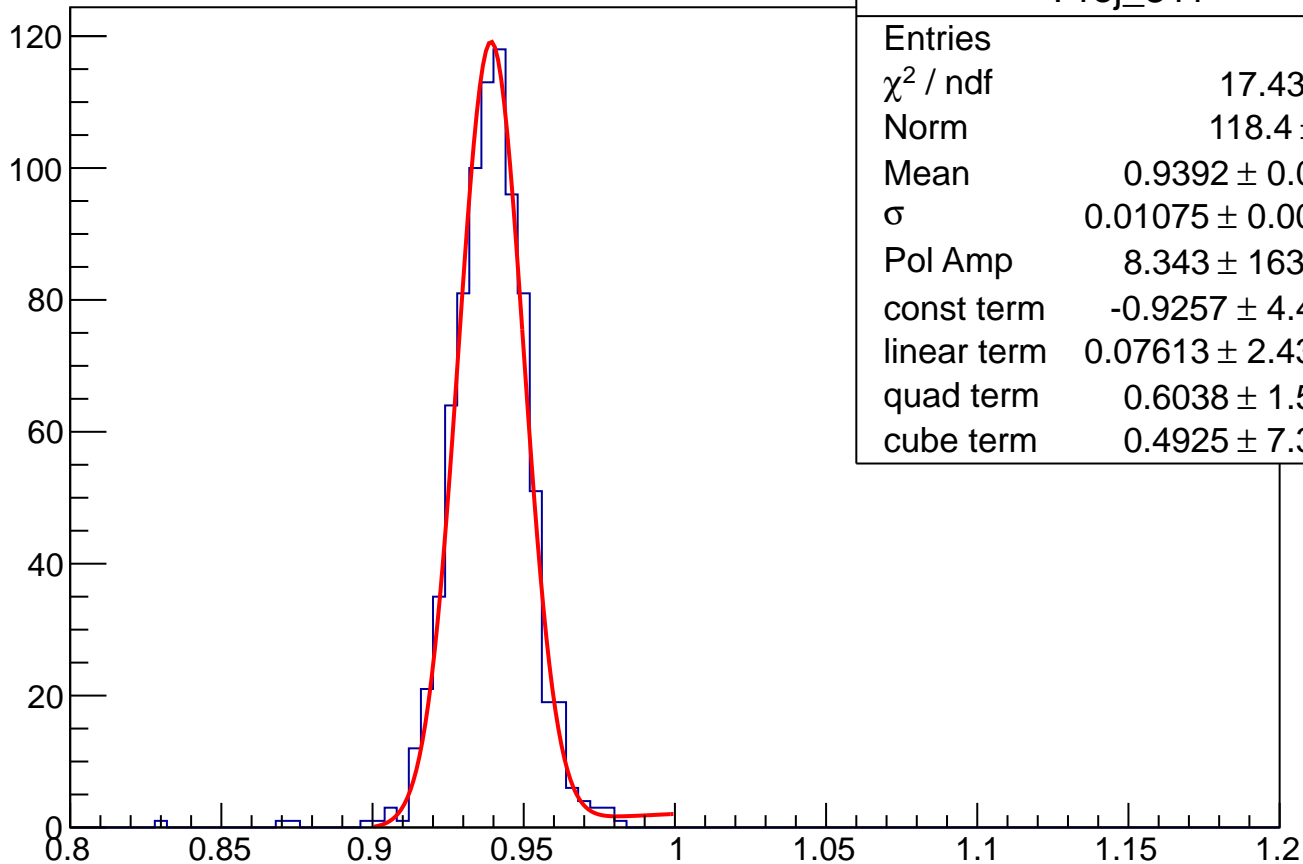
Proj_39

Entries	961
χ^2 / ndf	17.44 / 12
Norm	129.9 ± 5.3
Mean	0.9315 ± 0.0004
σ	0.01181 ± 0.00048
Pol Amp	367 ± 0.5
const term	-0.7392 ± 0.1176
linear term	0.7081 ± 0.0984
quad term	0.7525 ± 0.1109
cube term	-0.7143 ± 0.0966

PhiThetaMassPip



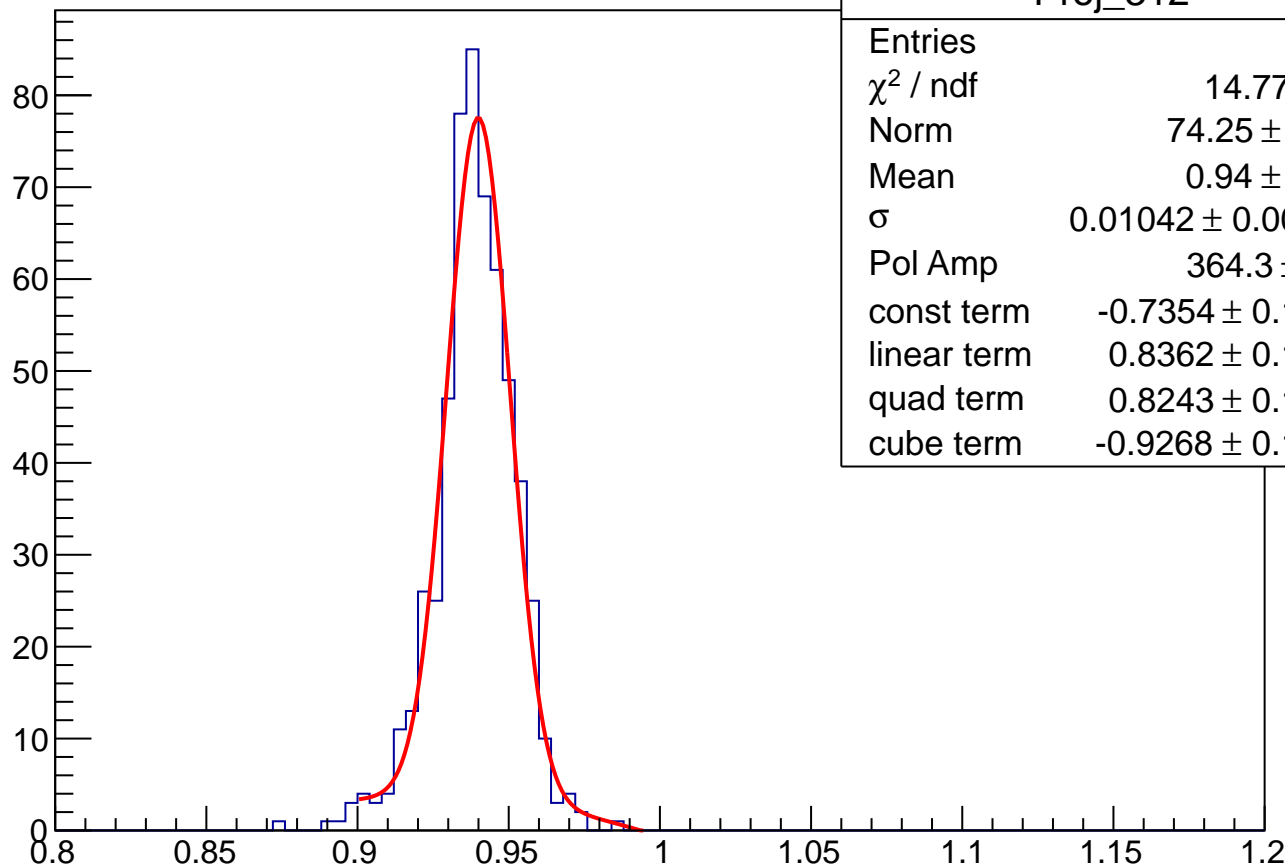
PhiThetaMassPip



Proj_311

Entries	836
χ^2 / ndf	17.43 / 13
Norm	118.4 ± 5.1
Mean	0.9392 ± 0.0004
σ	0.01075 ± 0.00032
Pol Amp	8.343 ± 163.320
const term	-0.9257 ± 4.4664
linear term	0.07613 ± 2.43405
quad term	0.6038 ± 1.5393
cube term	0.4925 ± 7.3300

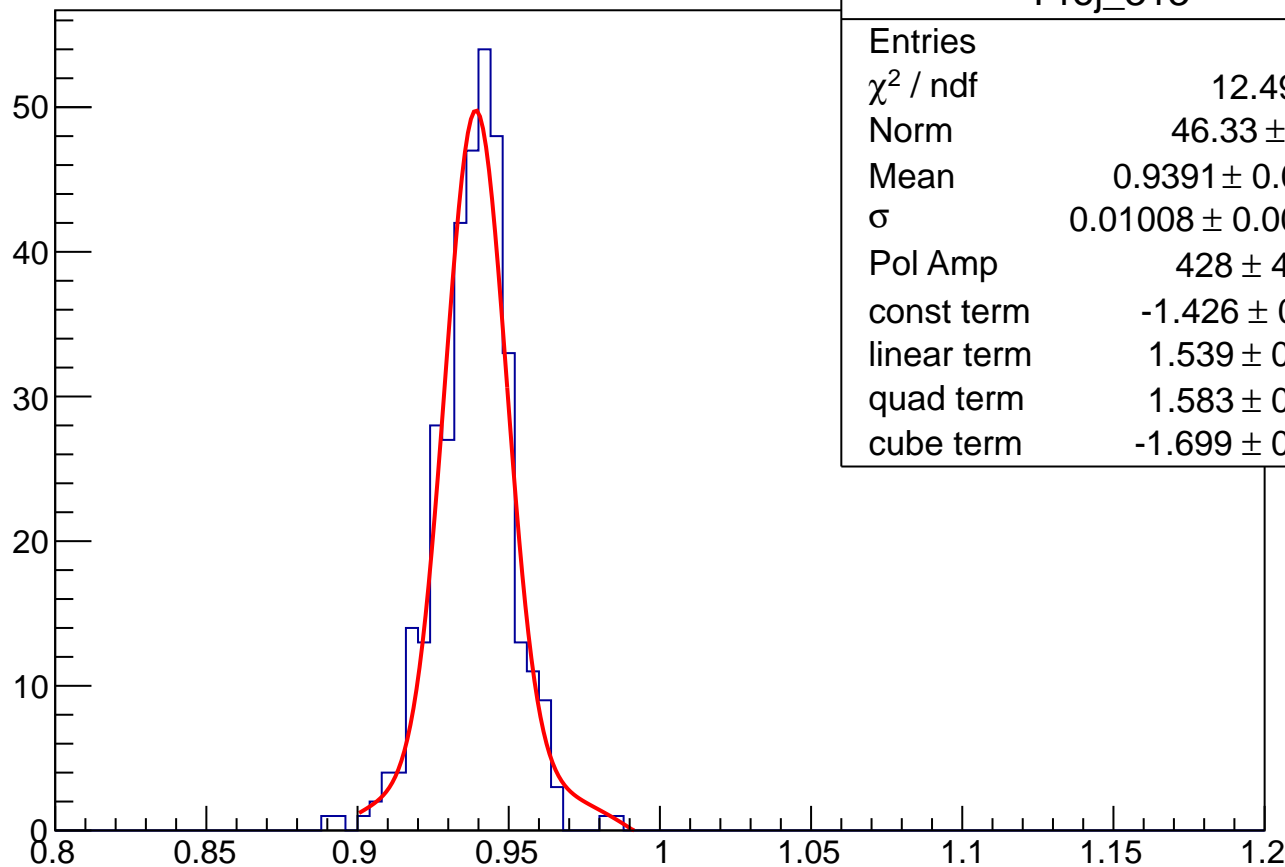
PhiThetaMassPip



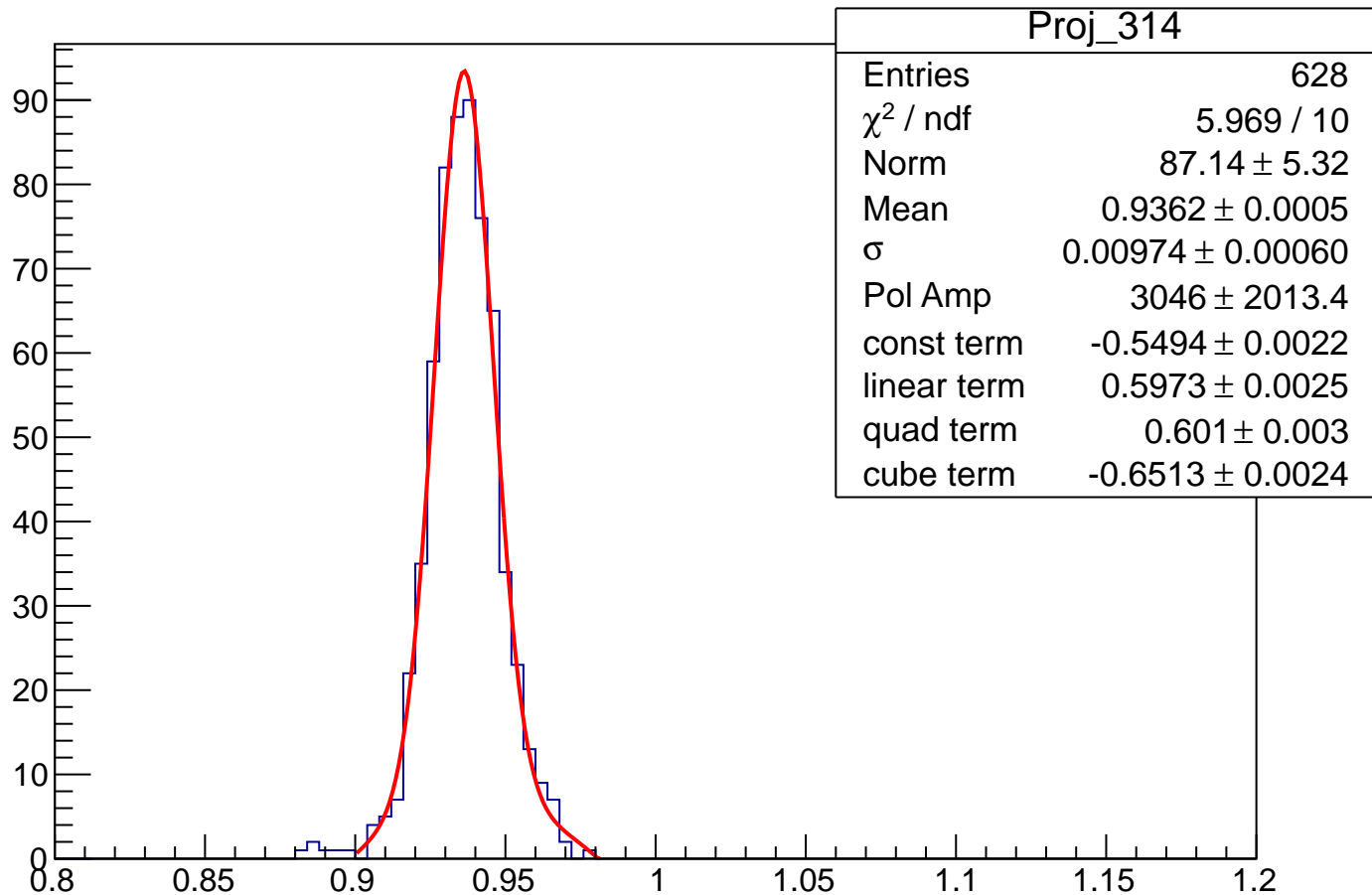
Proj_312

Entries	564
χ^2 / ndf	14.77 / 12
Norm	74.25 ± 4.39
Mean	0.94 ± 0.00
σ	0.01042 ± 0.00047
Pol Amp	364.3 ± 0.6
const term	-0.7354 ± 0.1405
linear term	0.8362 ± 0.1472
quad term	0.8243 ± 0.1497
cube term	-0.9268 ± 0.1589

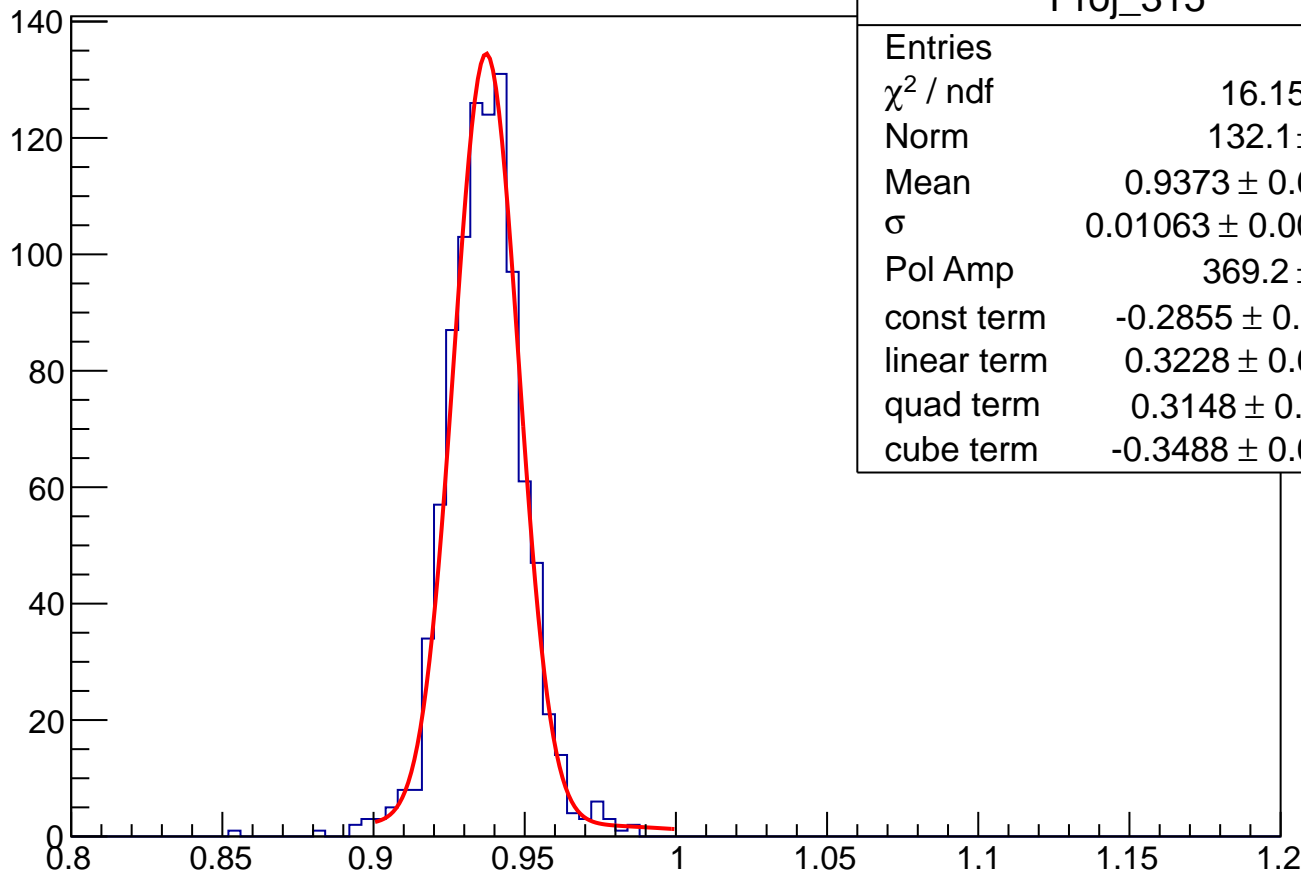
PhiThetaMassPip



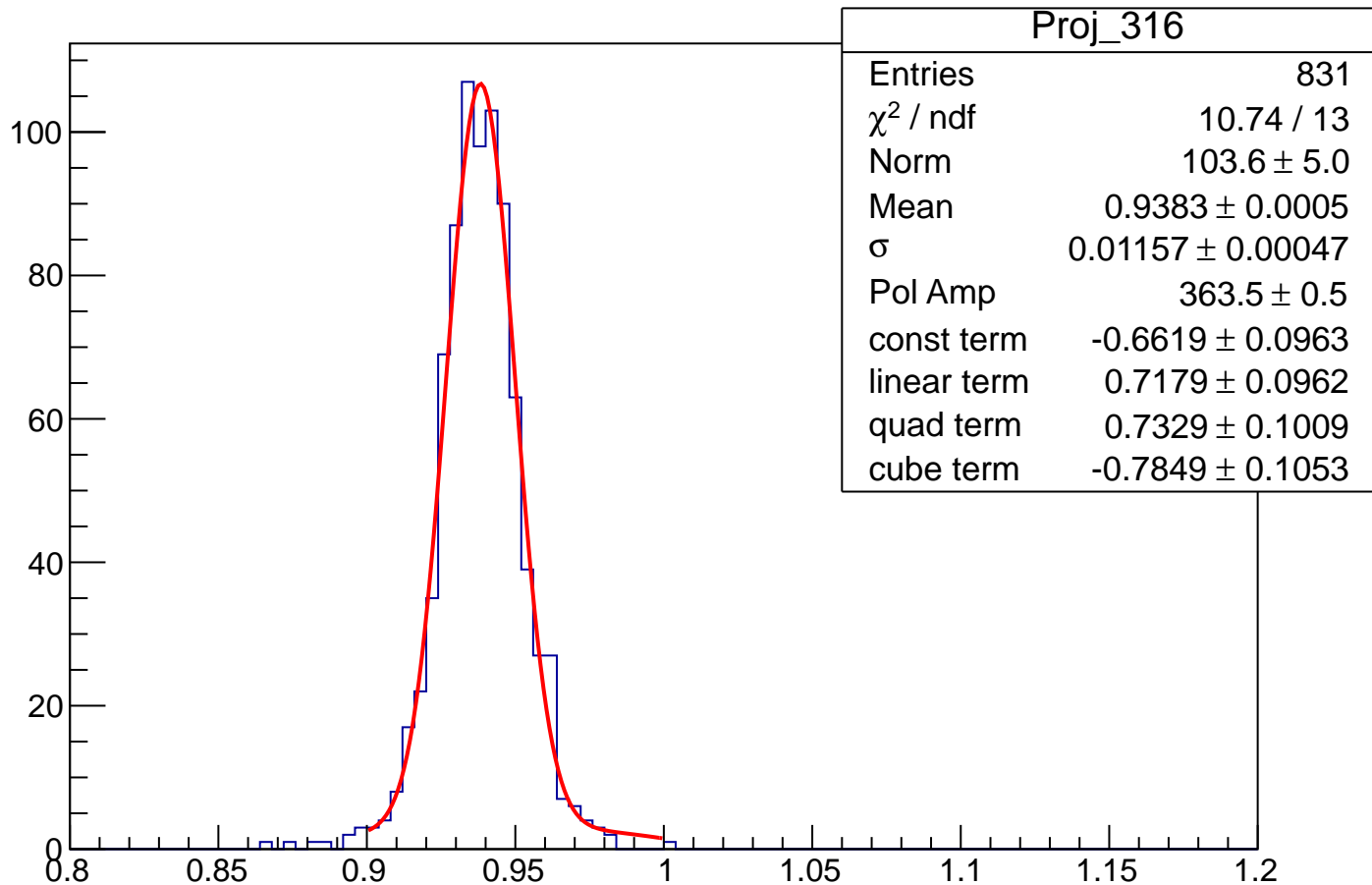
PhiThetaMassPip



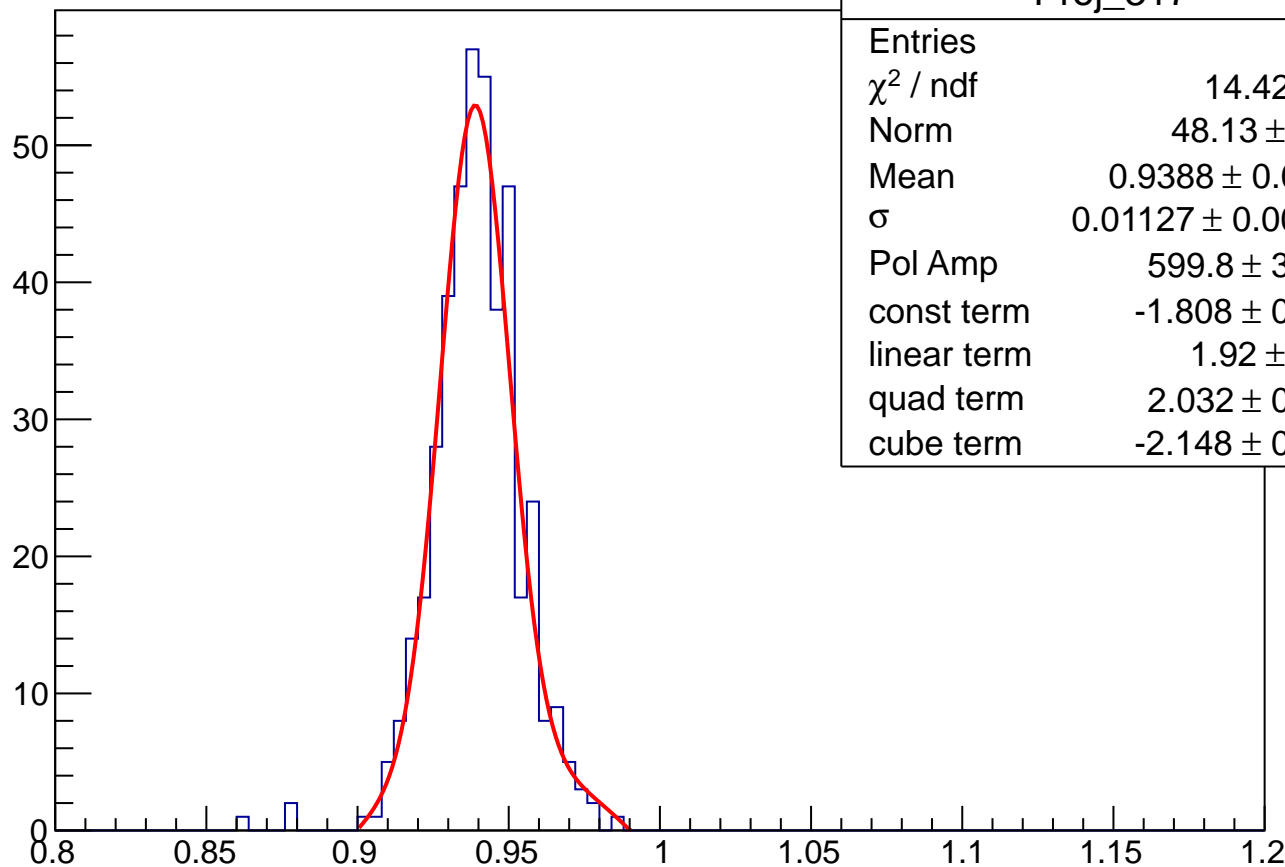
PhiThetaMassPip



PhiThetaMassPip



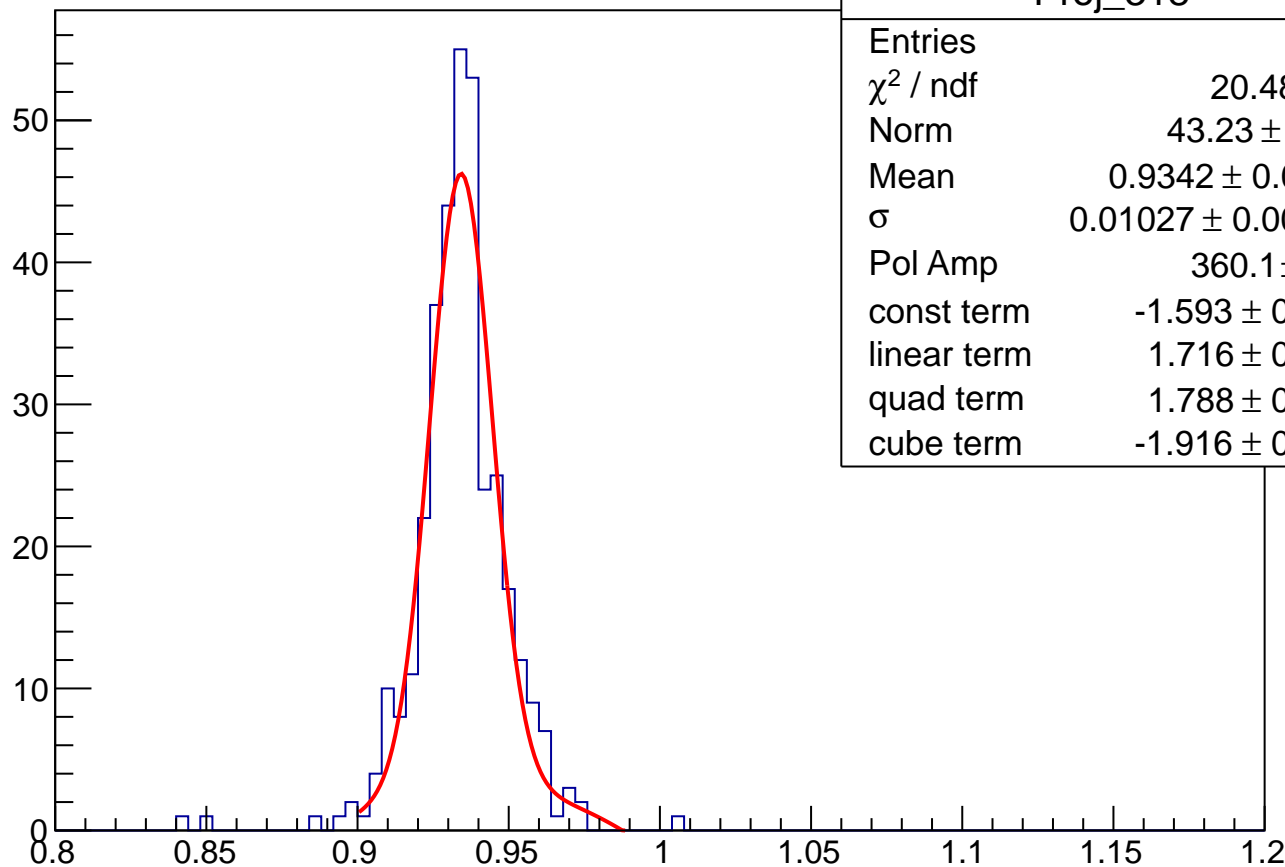
PhiThetaMassPip



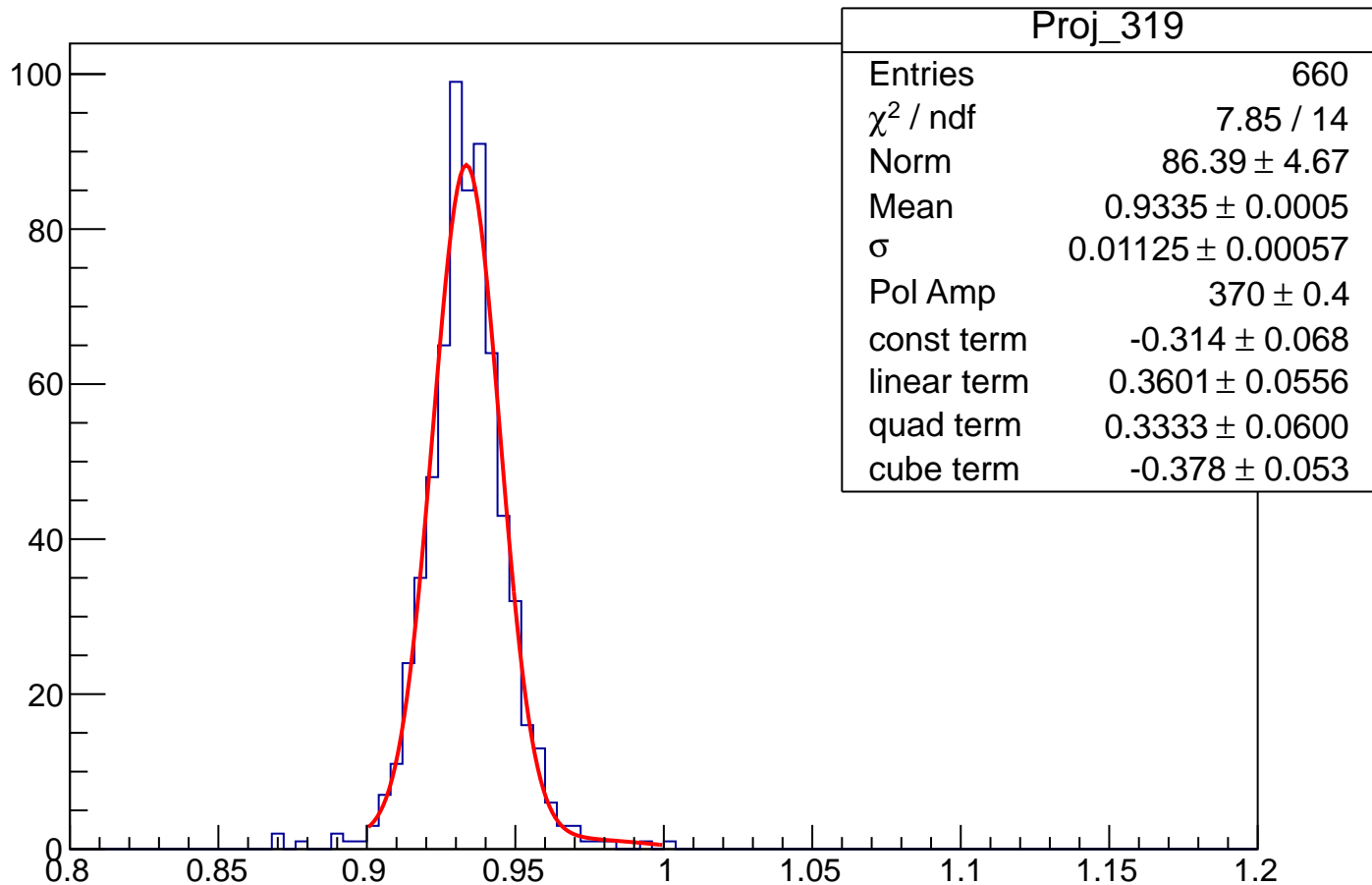
Proj_317

Entries	429
χ^2 / ndf	14.42 / 13
Norm	48.13 ± 3.91
Mean	0.9388 ± 0.0008
σ	0.01127 ± 0.00096
Pol Amp	599.8 ± 381.4
const term	-1.808 ± 0.008
linear term	1.92 ± 0.01
quad term	2.032 ± 0.010
cube term	-2.148 ± 0.009

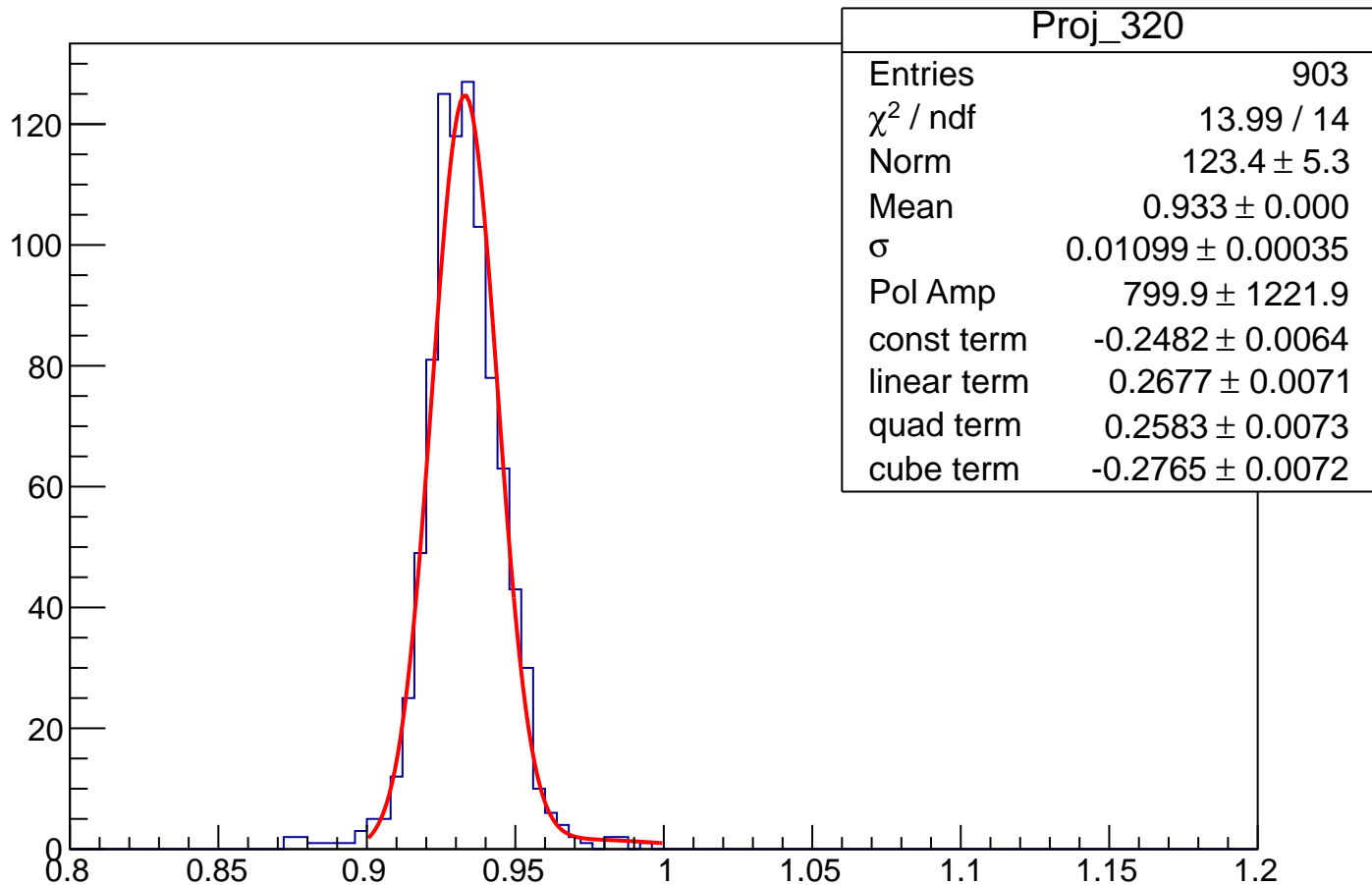
PhiThetaMassPip



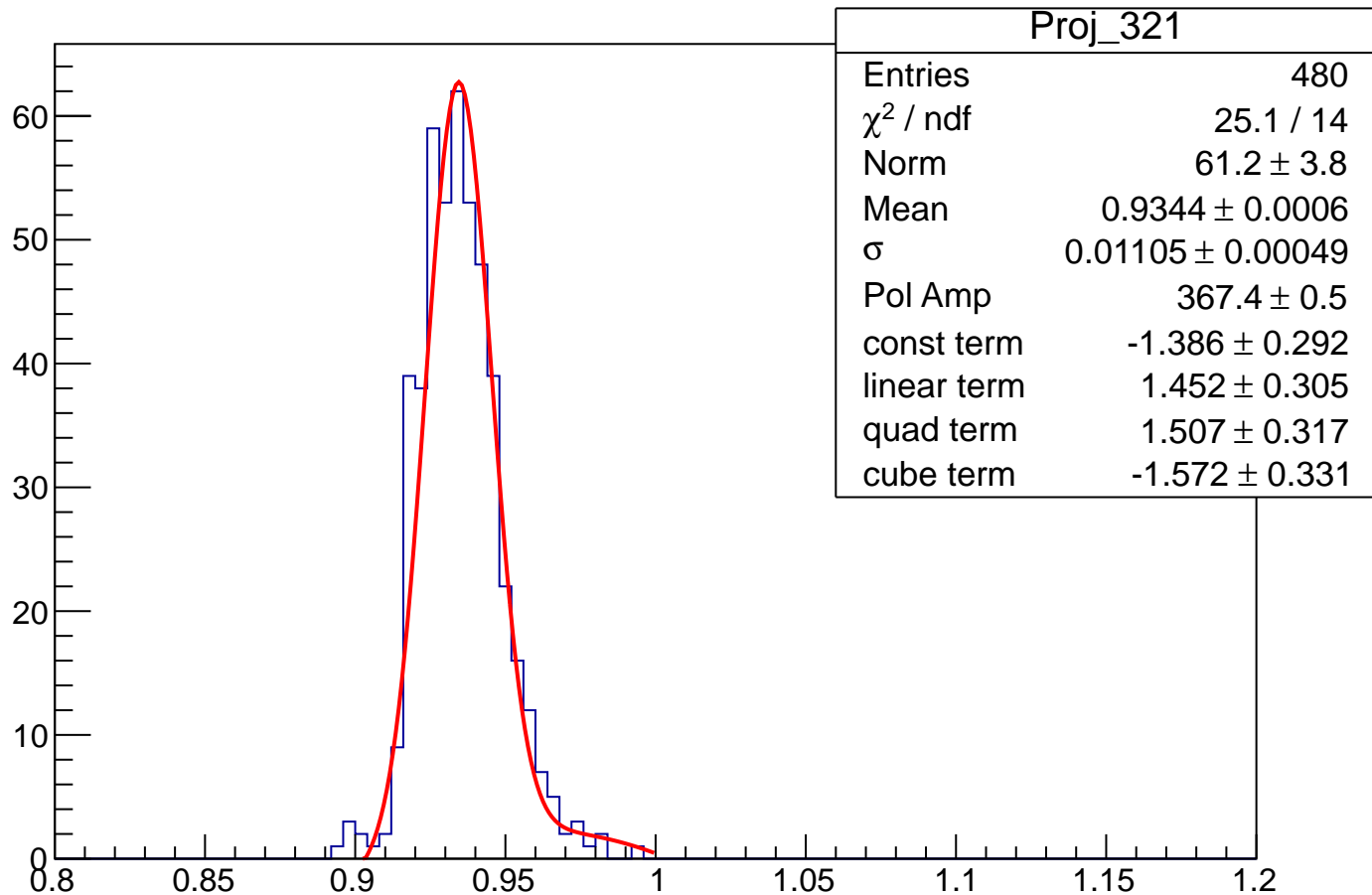
PhiThetaMassPip



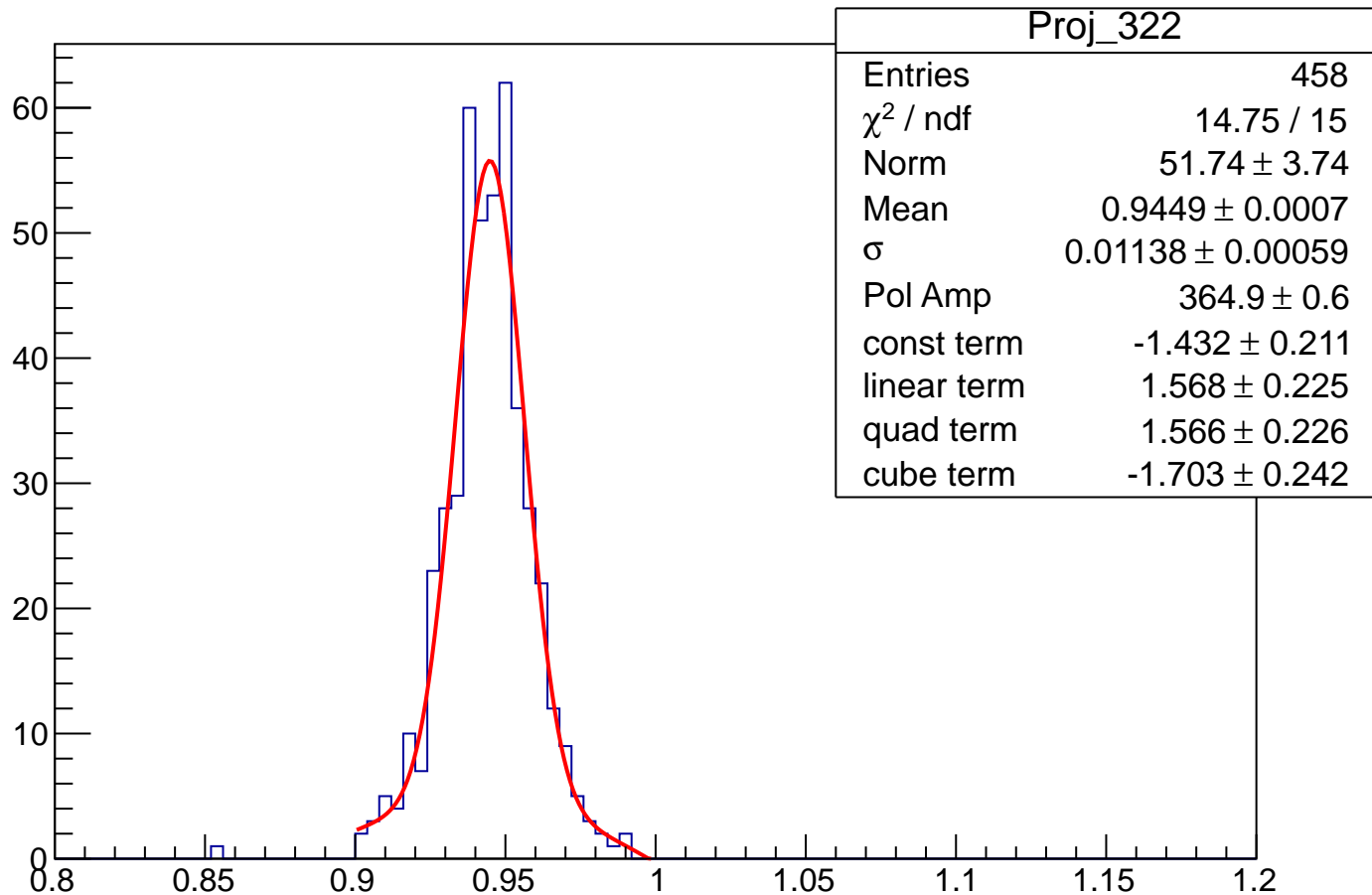
PhiThetaMassPip



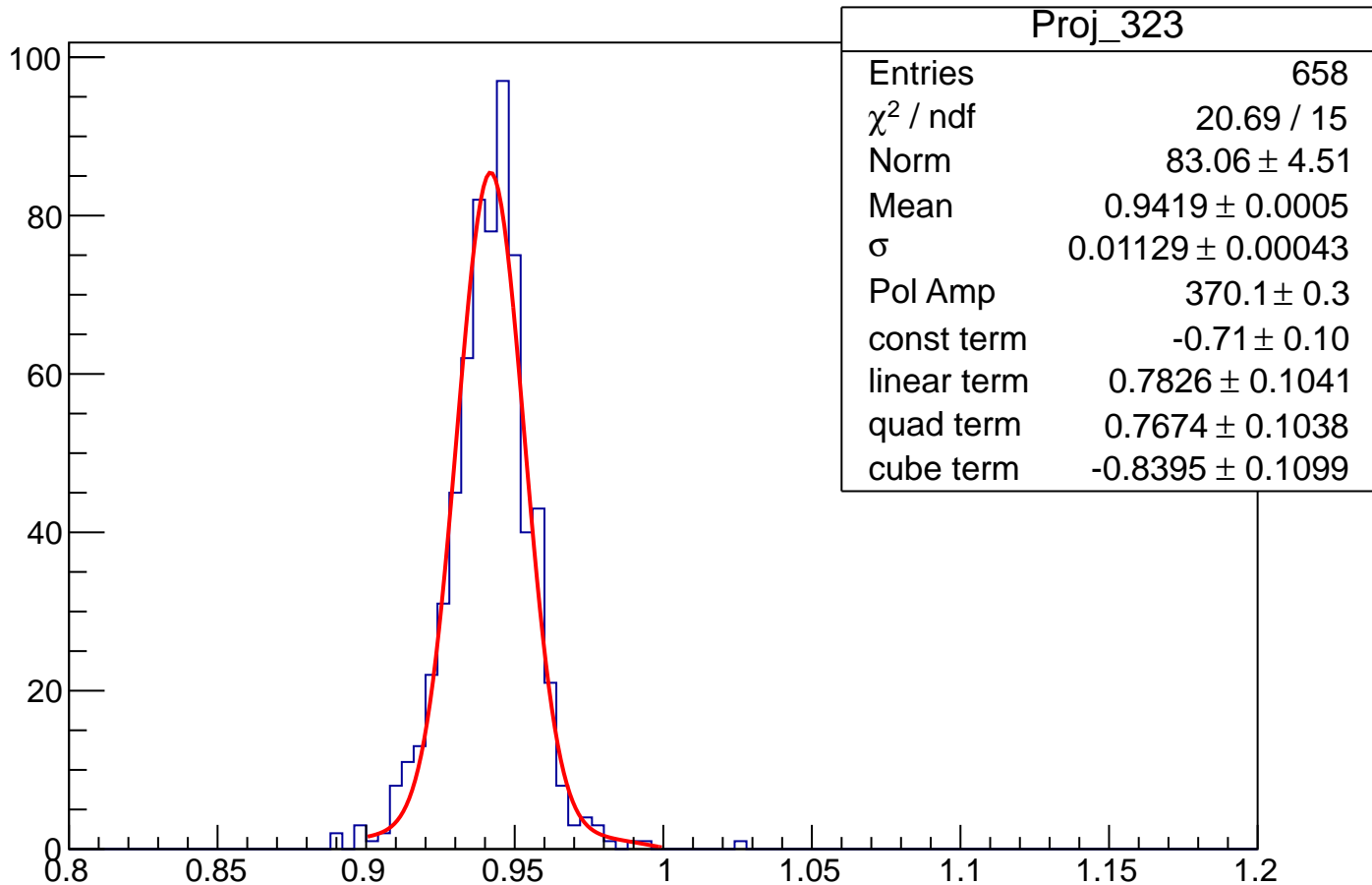
PhiThetaMassPip



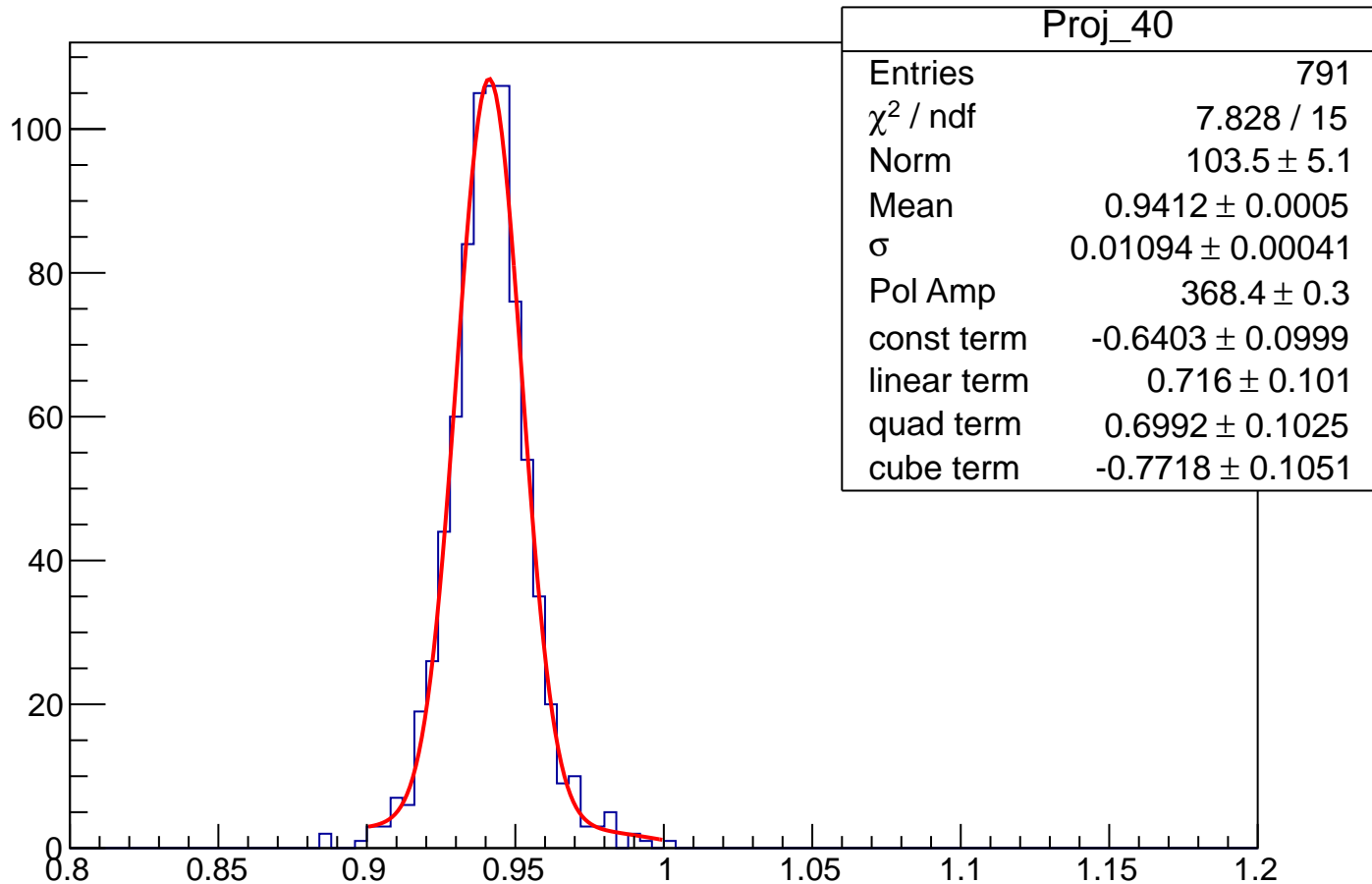
PhiThetaMassPip



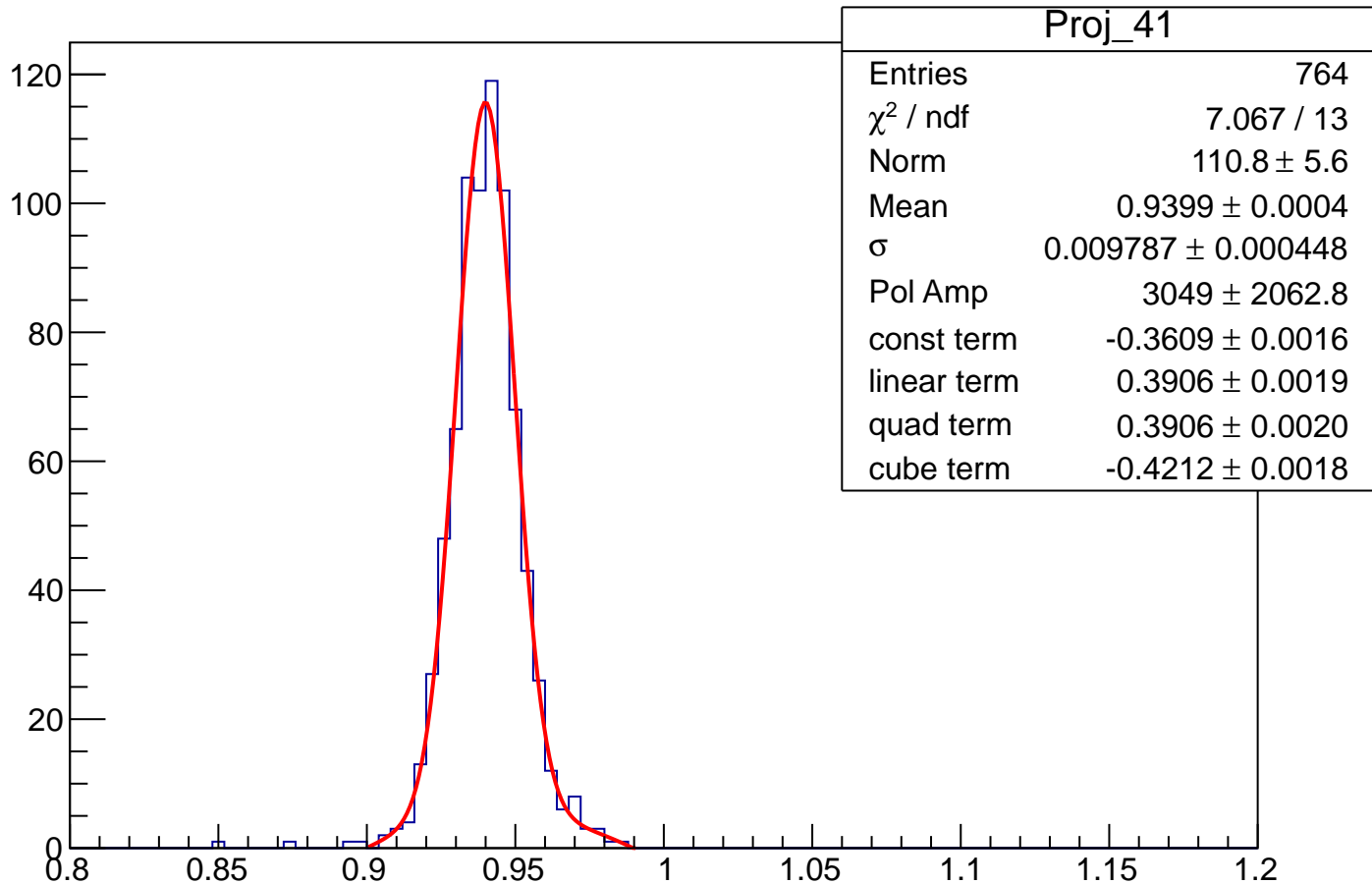
PhiThetaMassPip



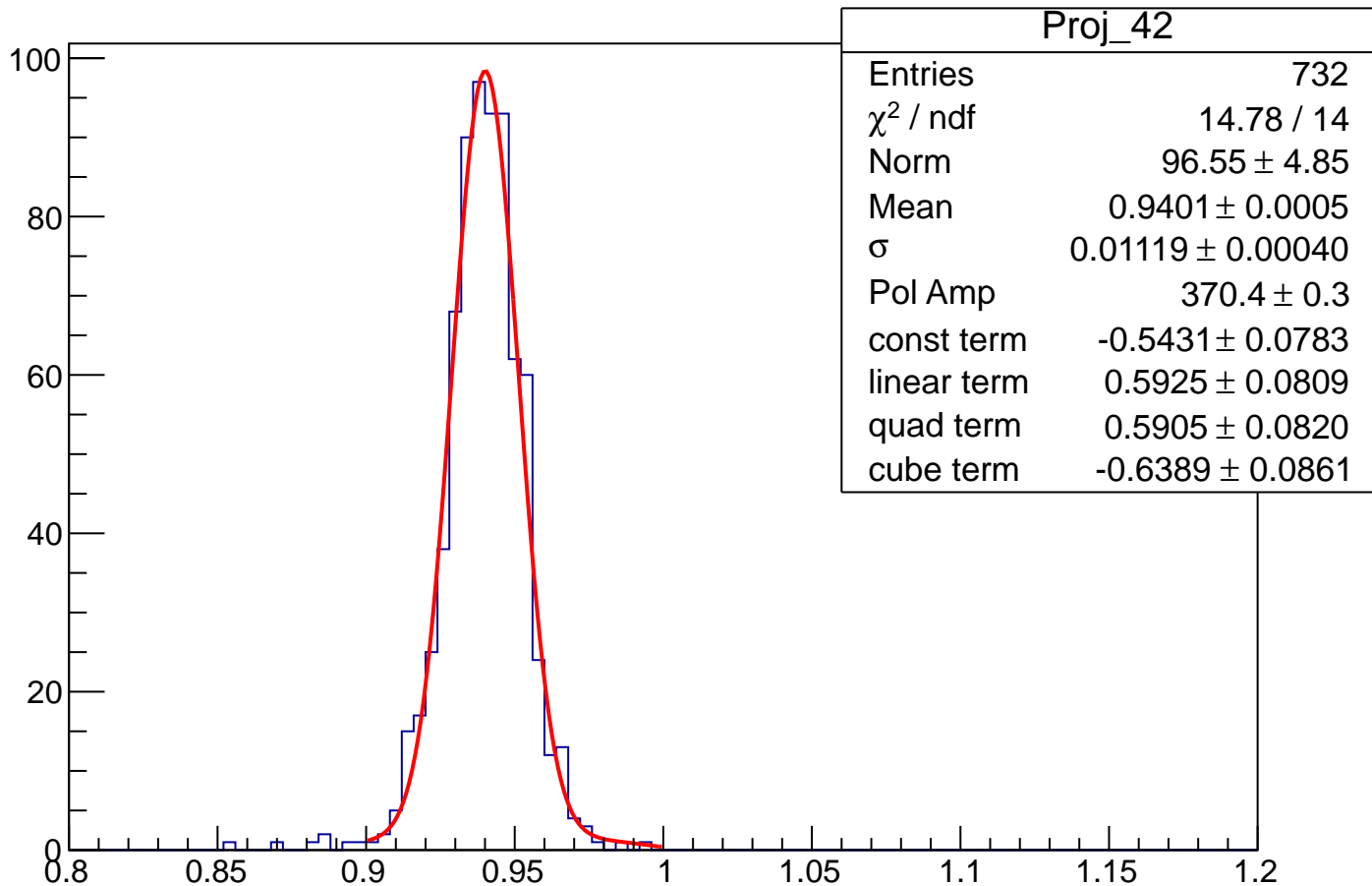
PhiThetaMassPip



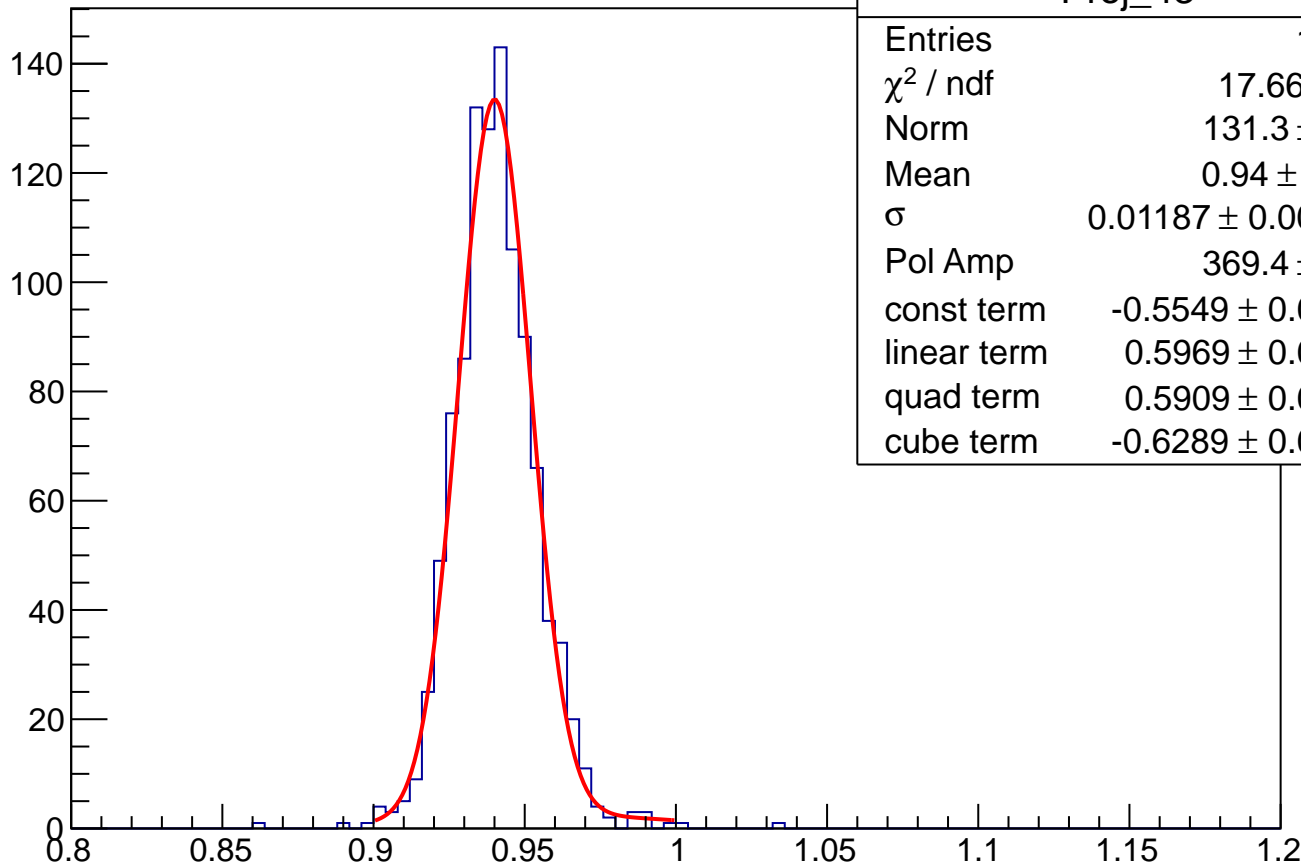
PhiThetaMassPip



PhiThetaMassPip



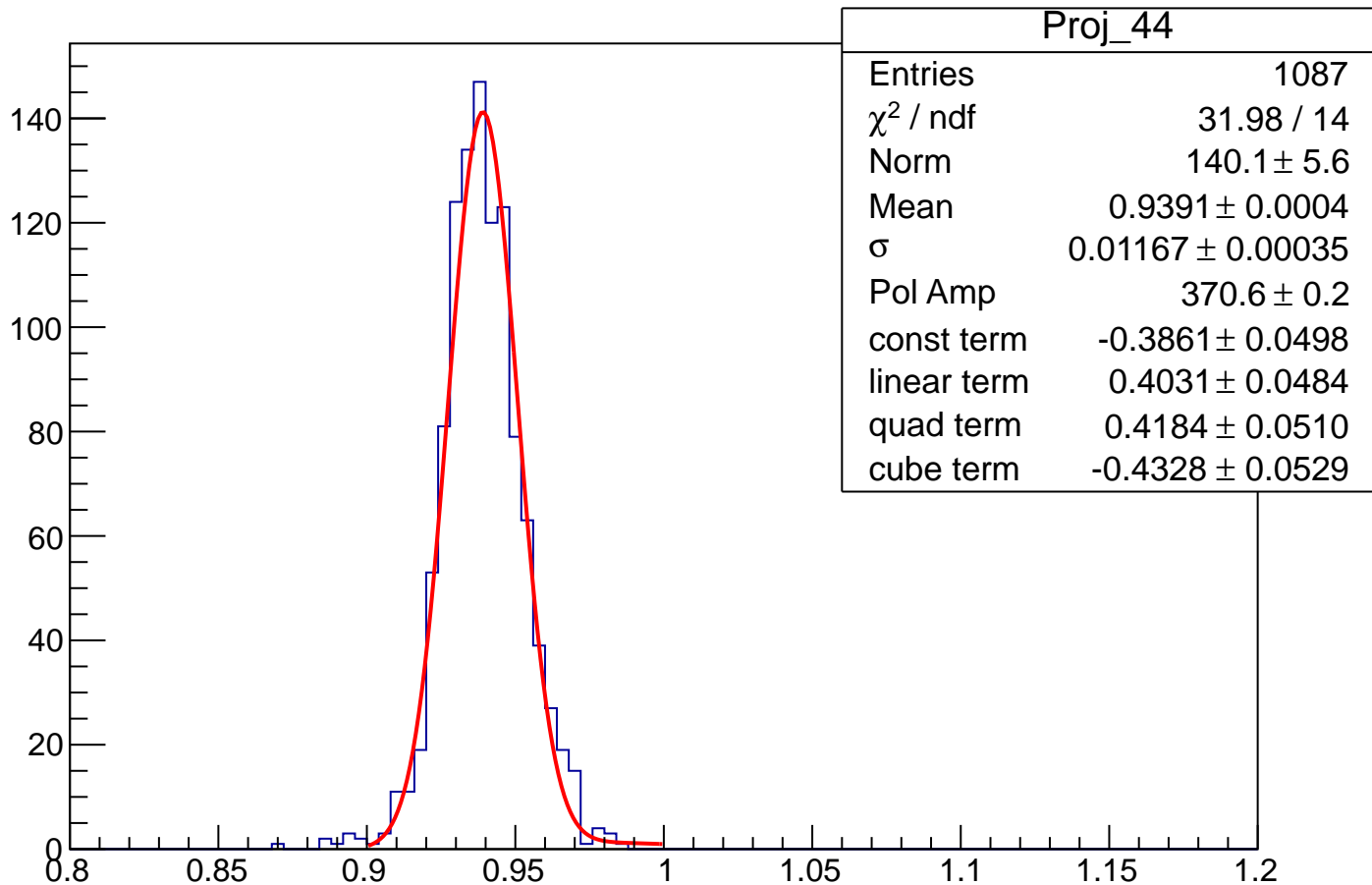
PhiThetaMassPip



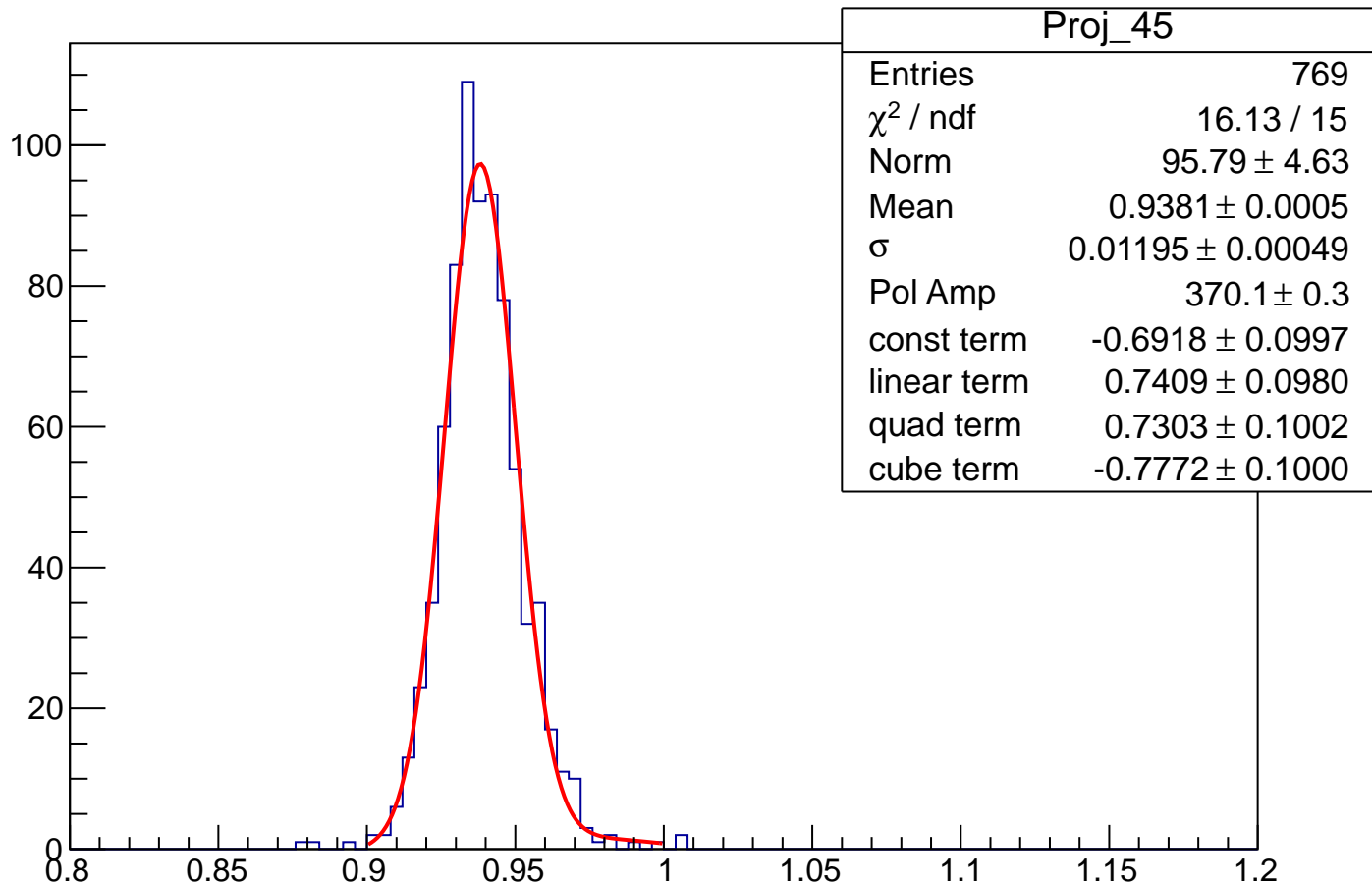
Proj_43

Entries	1043
χ^2 / ndf	17.66 / 15
Norm	131.3 ± 5.4
Mean	0.94 ± 0.00
σ	0.01187 ± 0.00039
Pol Amp	369.4 ± 0.2
const term	-0.5549 ± 0.0713
linear term	0.5969 ± 0.0664
quad term	0.5909 ± 0.0697
cube term	-0.6289 ± 0.0678

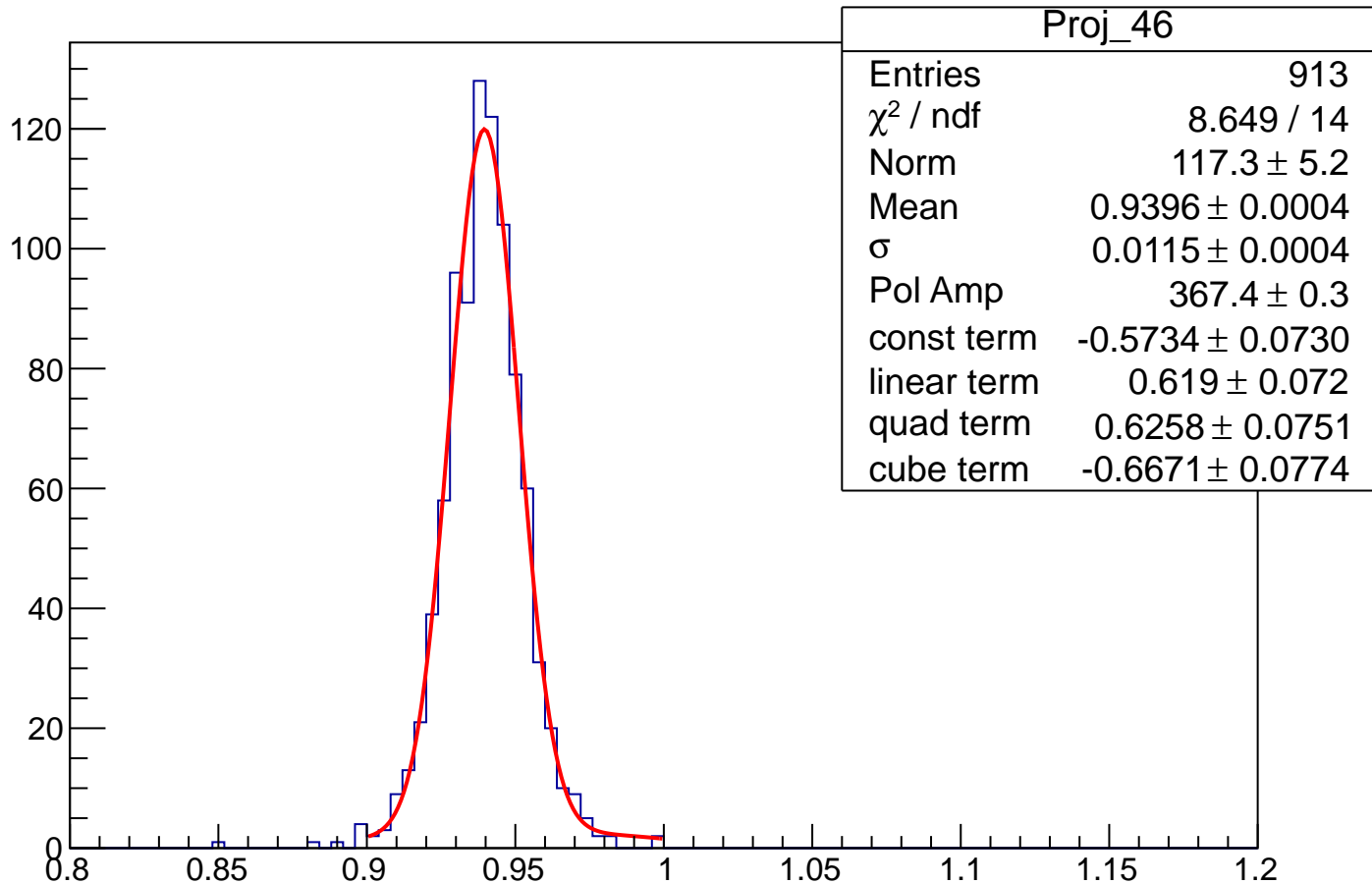
PhiThetaMassPip



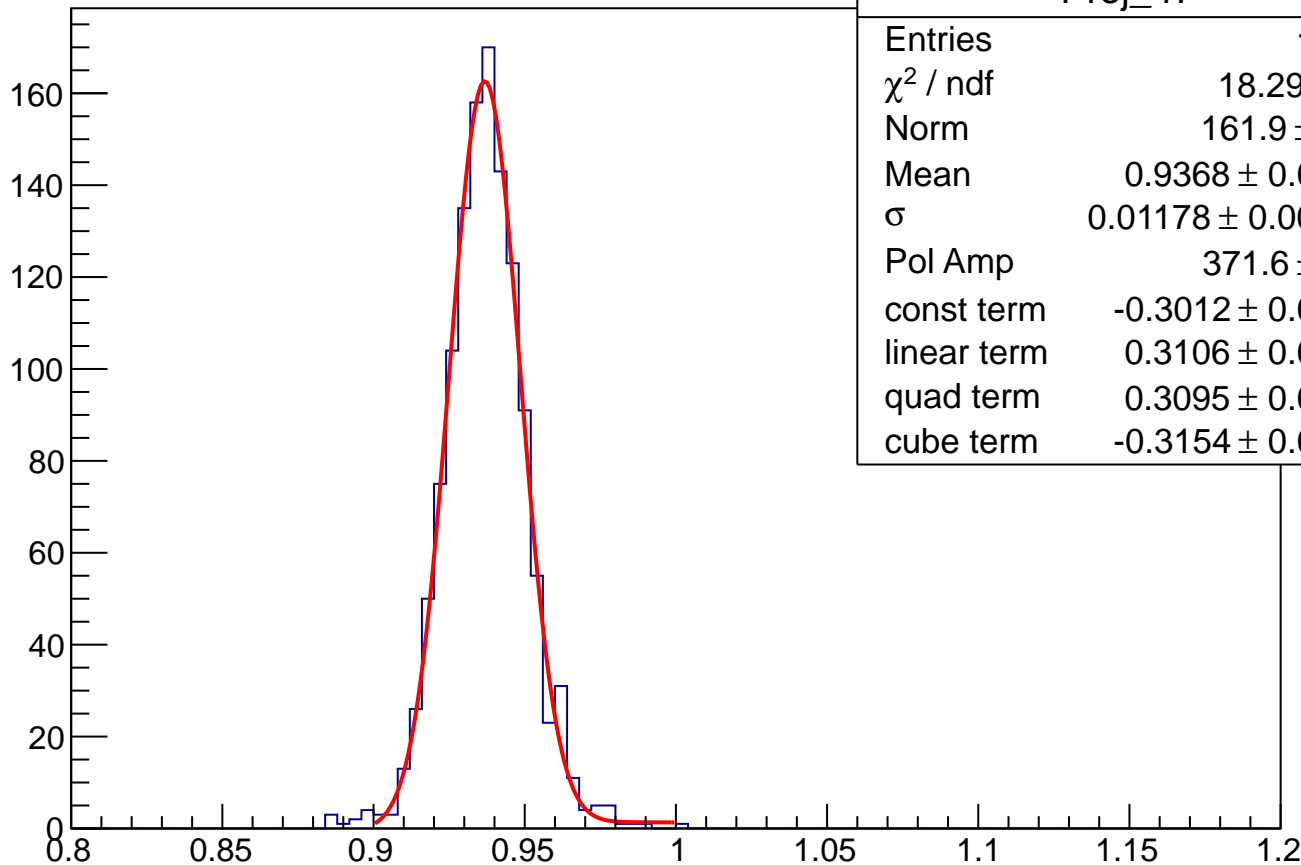
PhiThetaMassPip



PhiThetaMassPip



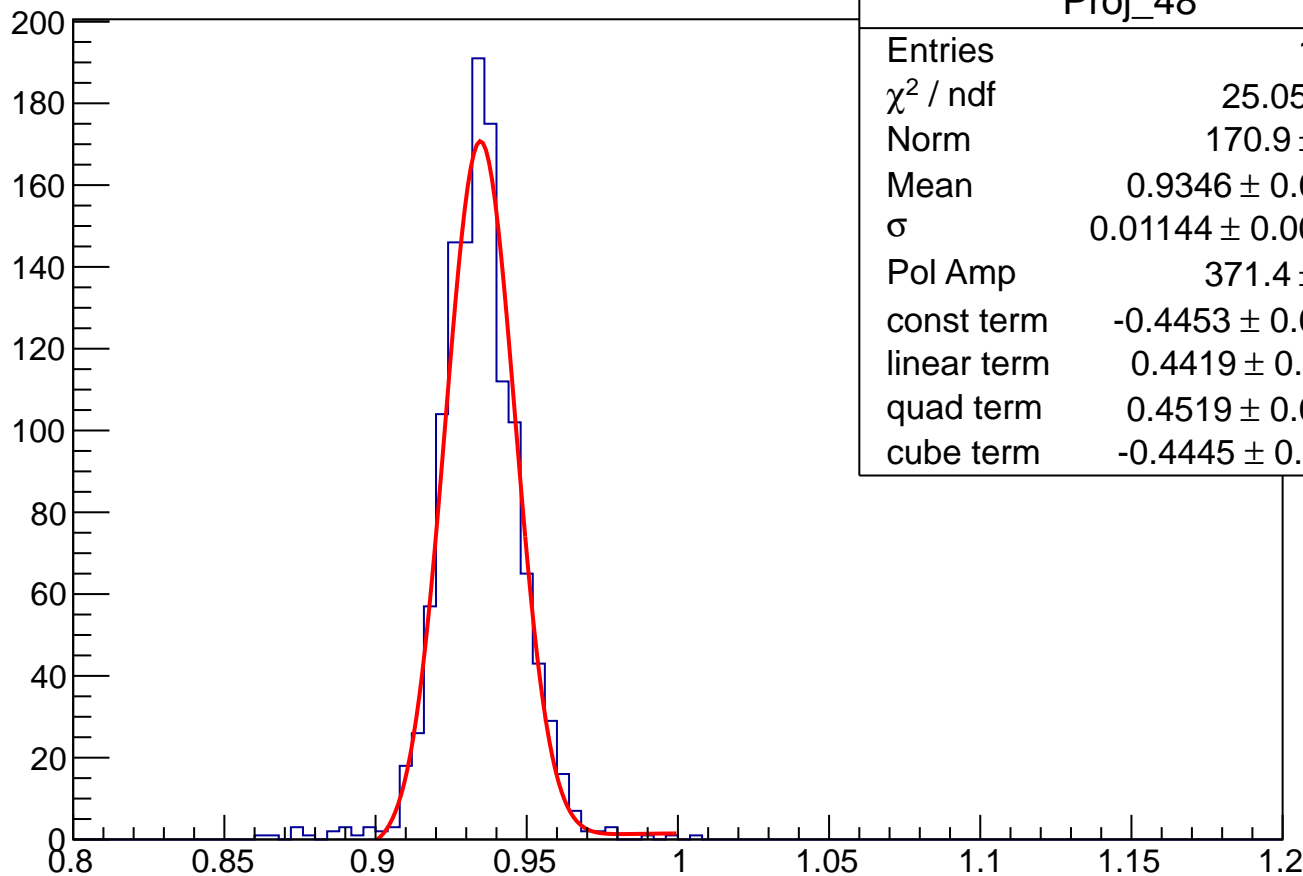
PhiThetaMassPip



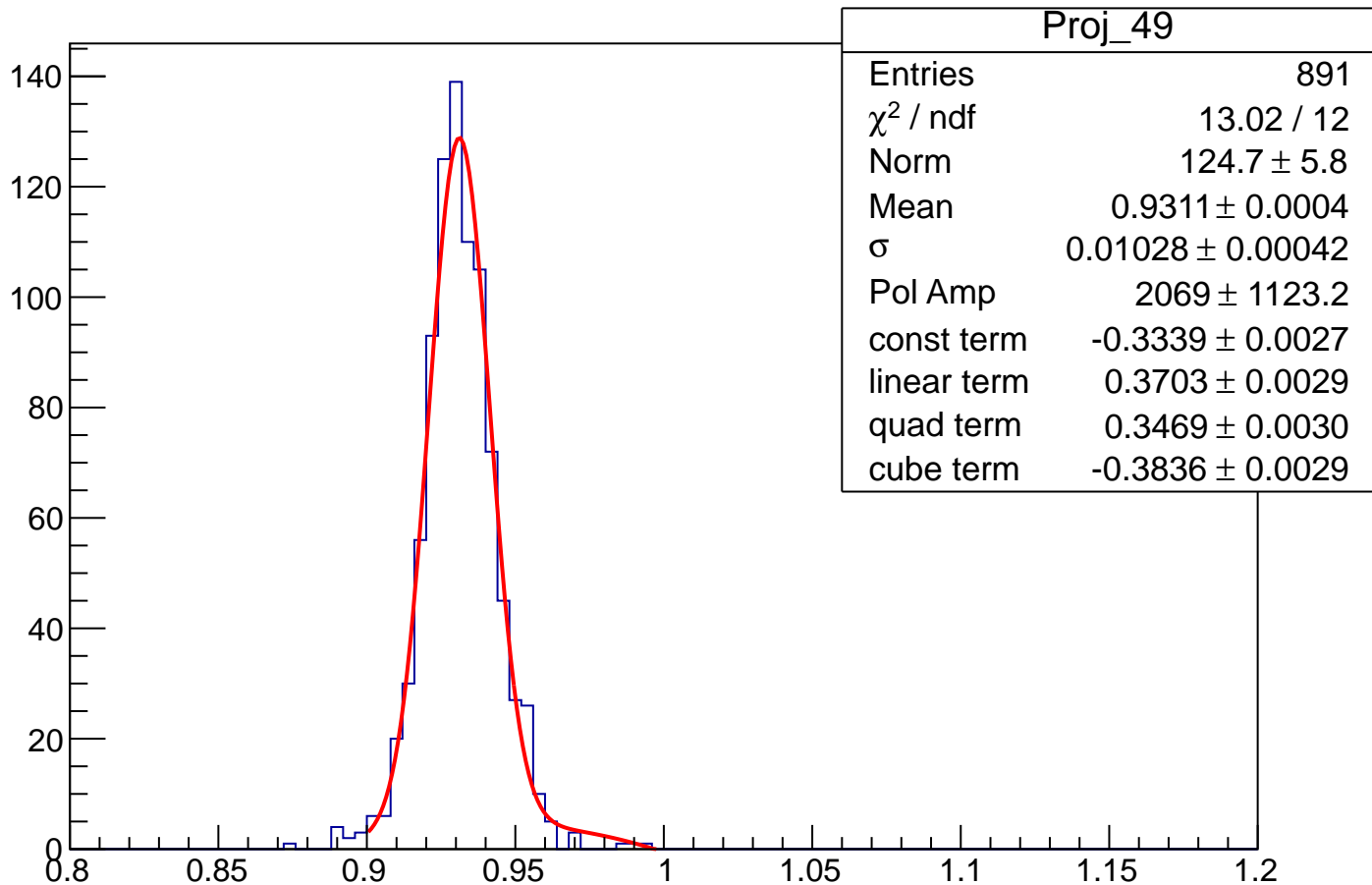
Proj_47

Entries	1242
χ^2 / ndf	18.29 / 15
Norm	161.9 ± 5.9
Mean	0.9368 ± 0.0004
σ	0.01178 ± 0.00036
Pol Amp	371.6 ± 0.2
const term	-0.3012 ± 0.0487
linear term	0.3106 ± 0.0340
quad term	0.3095 ± 0.0410
cube term	-0.3154 ± 0.0307

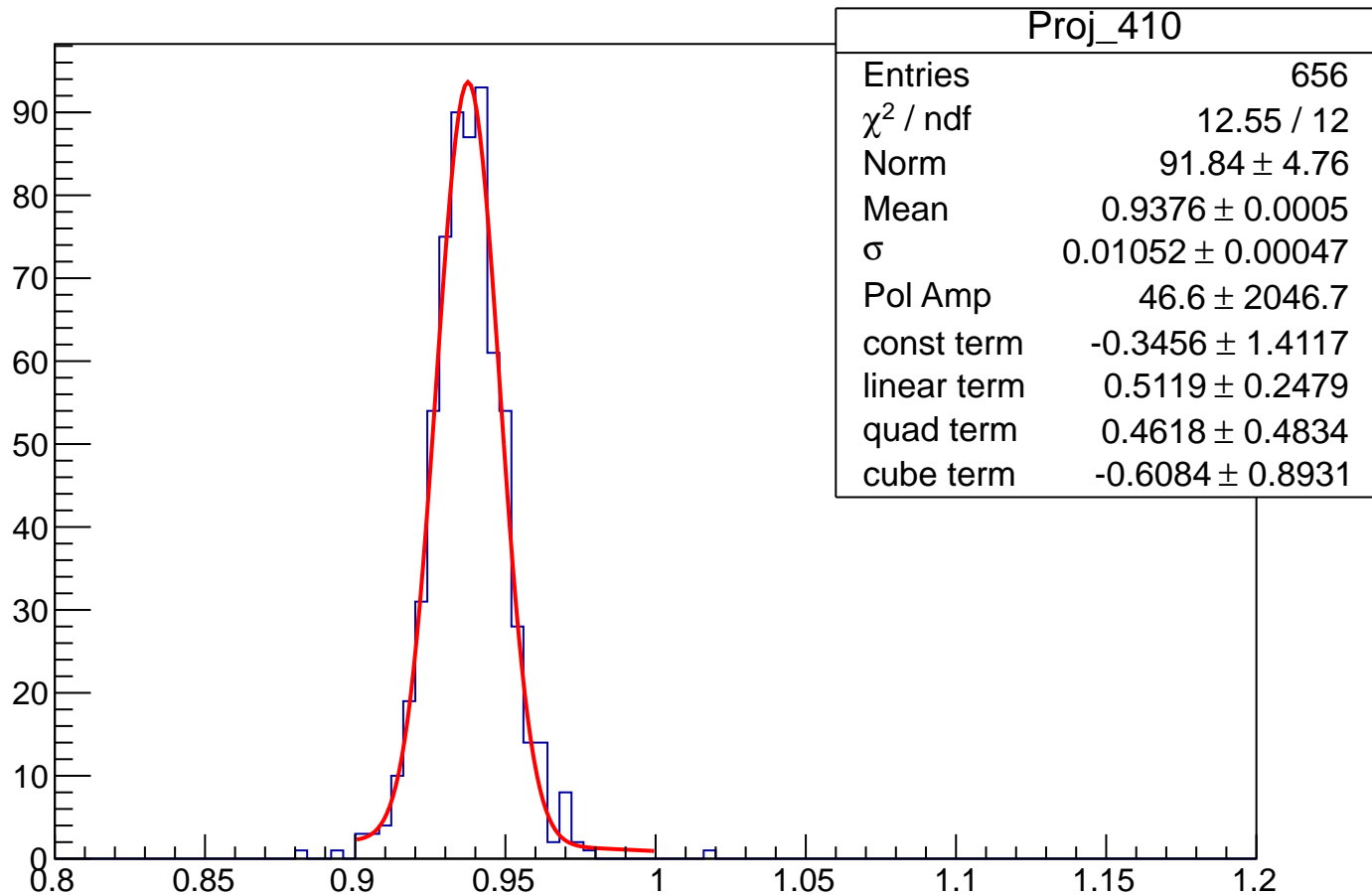
PhiThetaMassPip



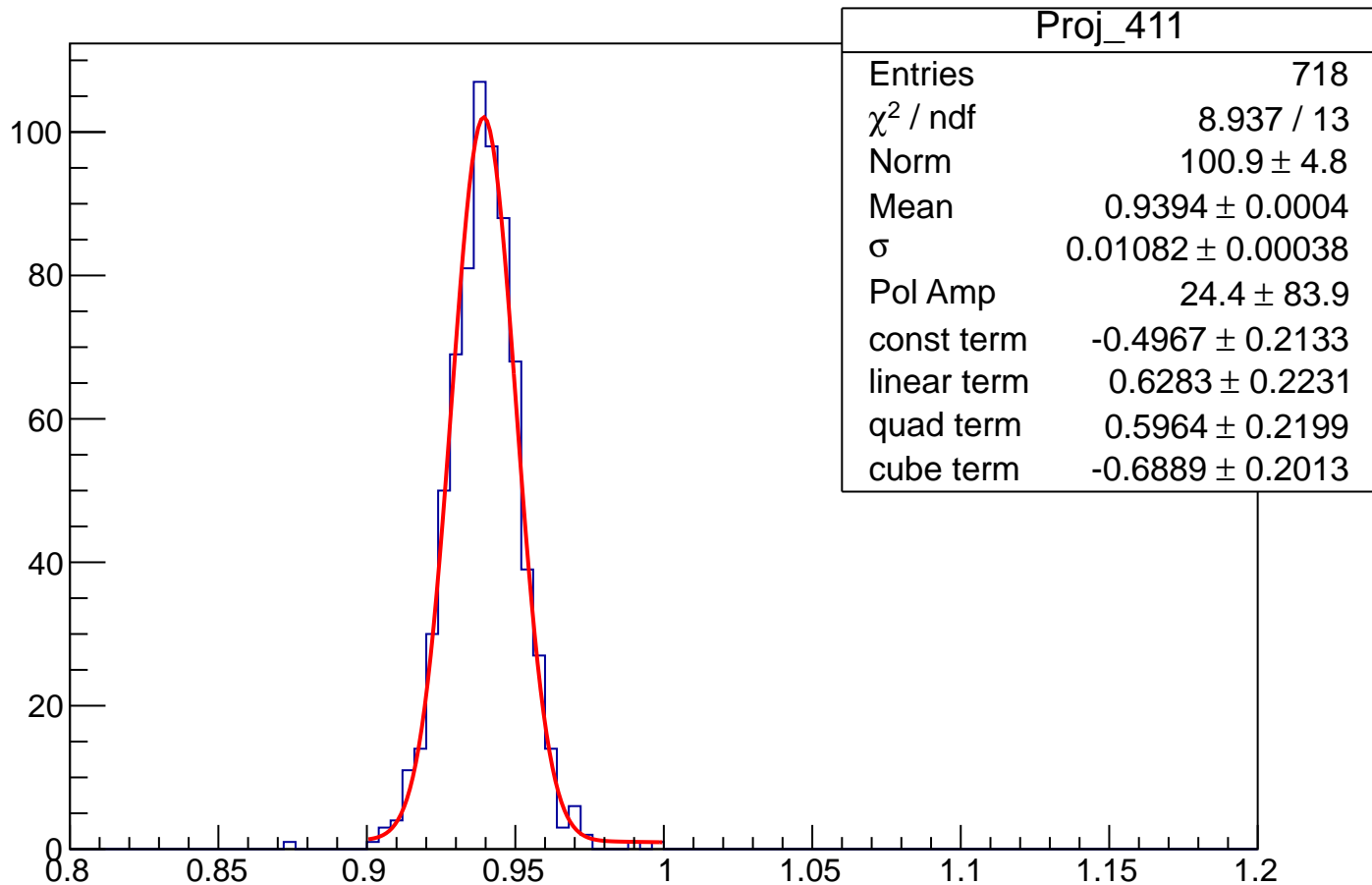
PhiThetaMassPip



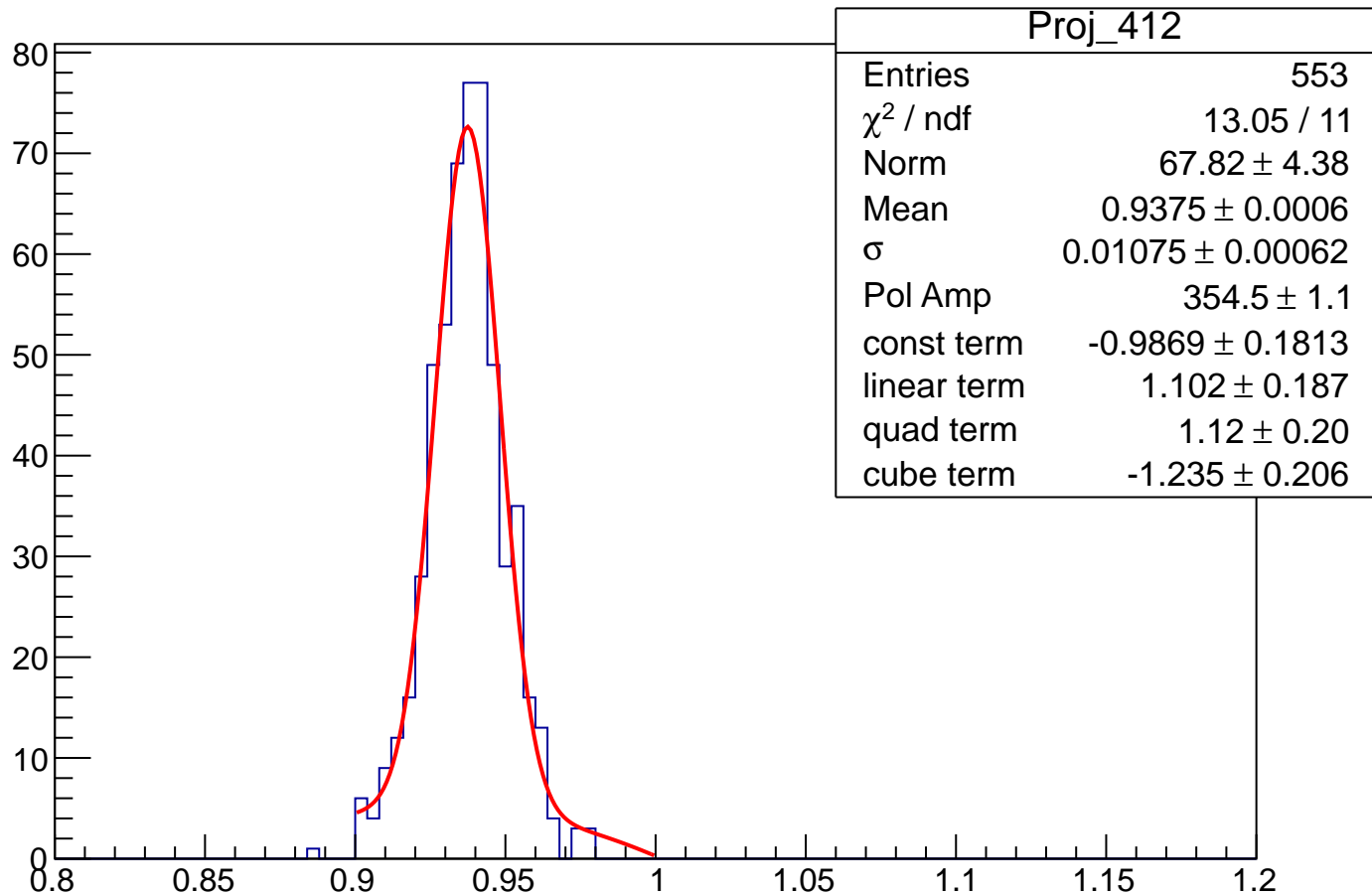
PhiThetaMassPip



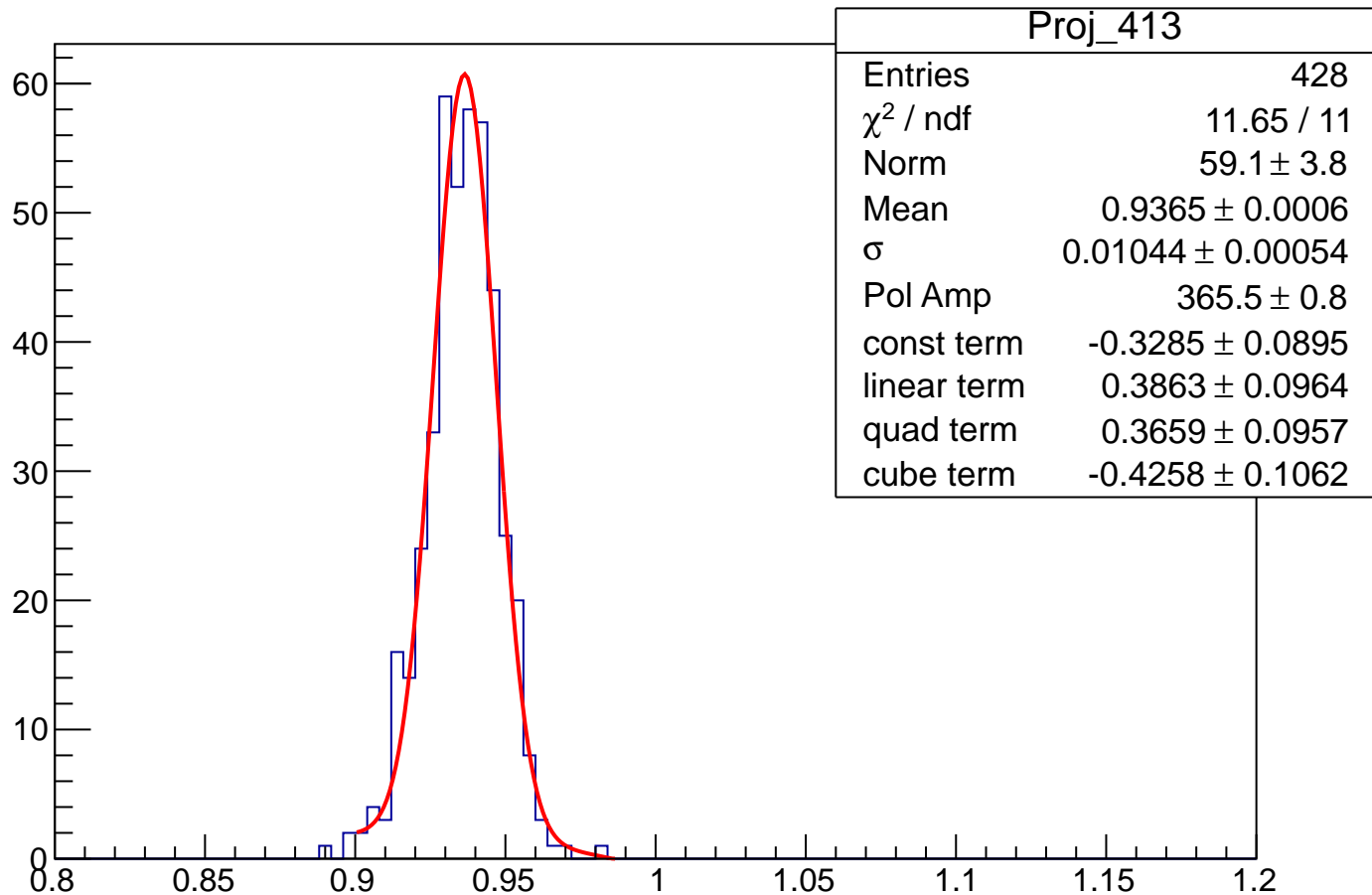
PhiThetaMassPip



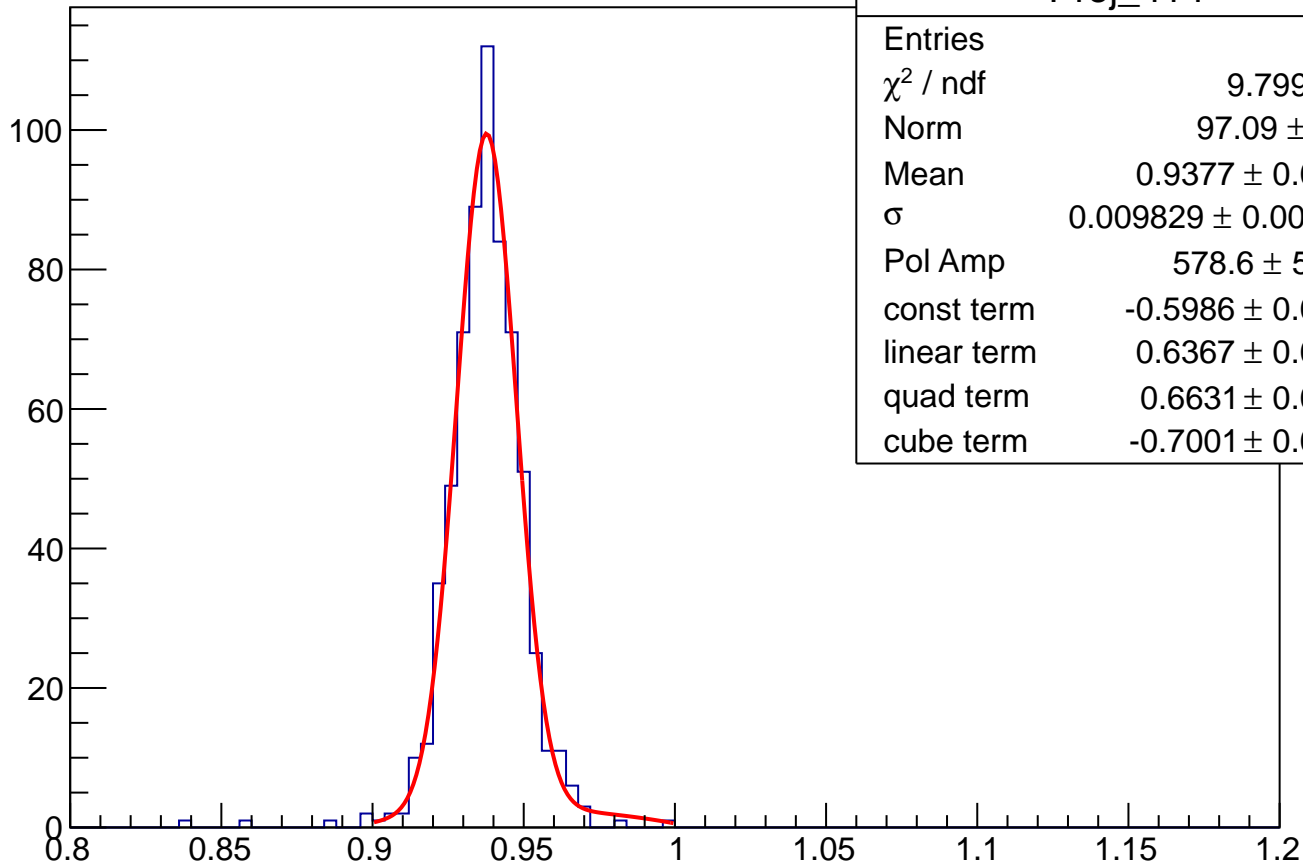
PhiThetaMassPip



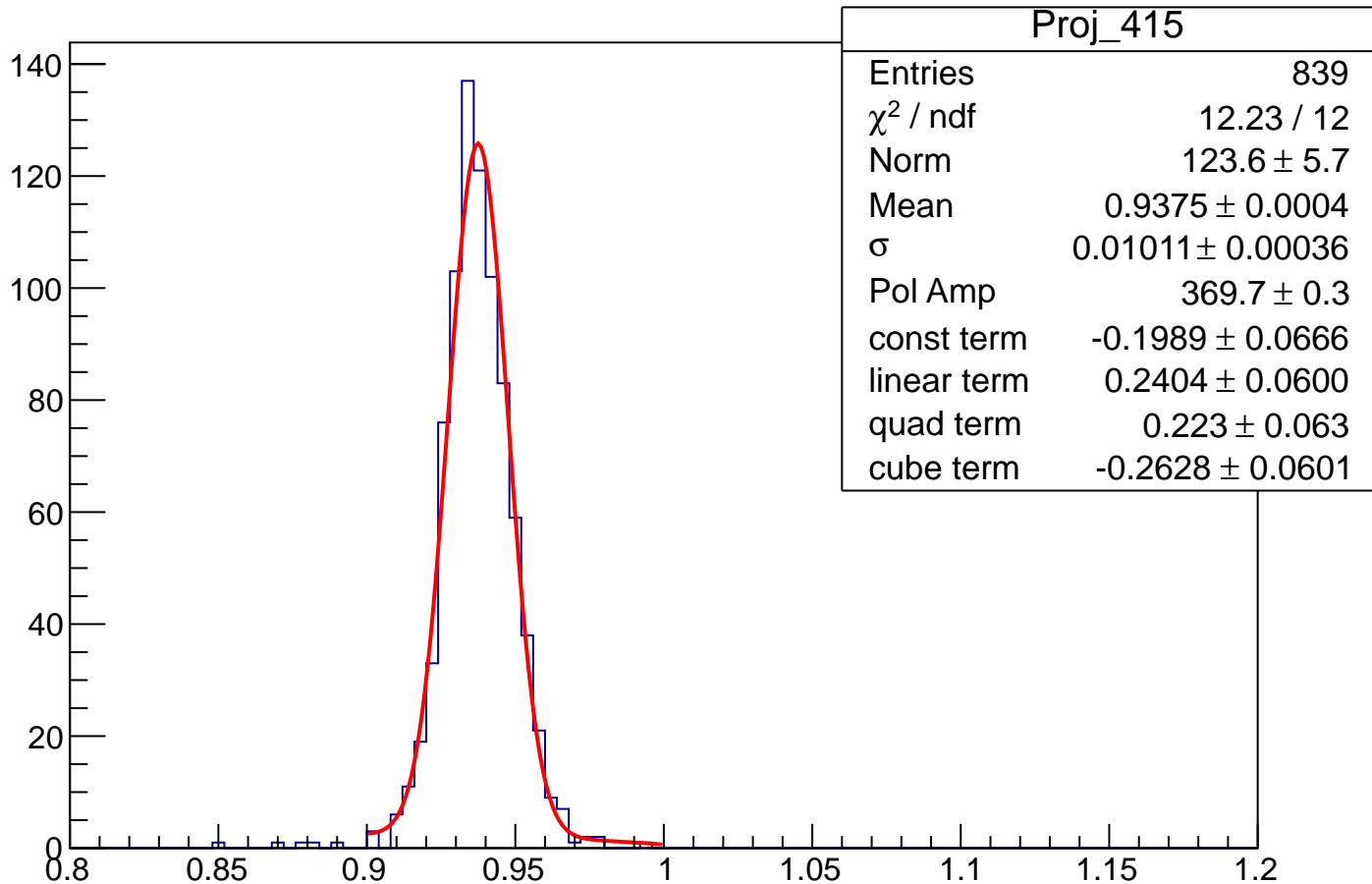
PhiThetaMassPip



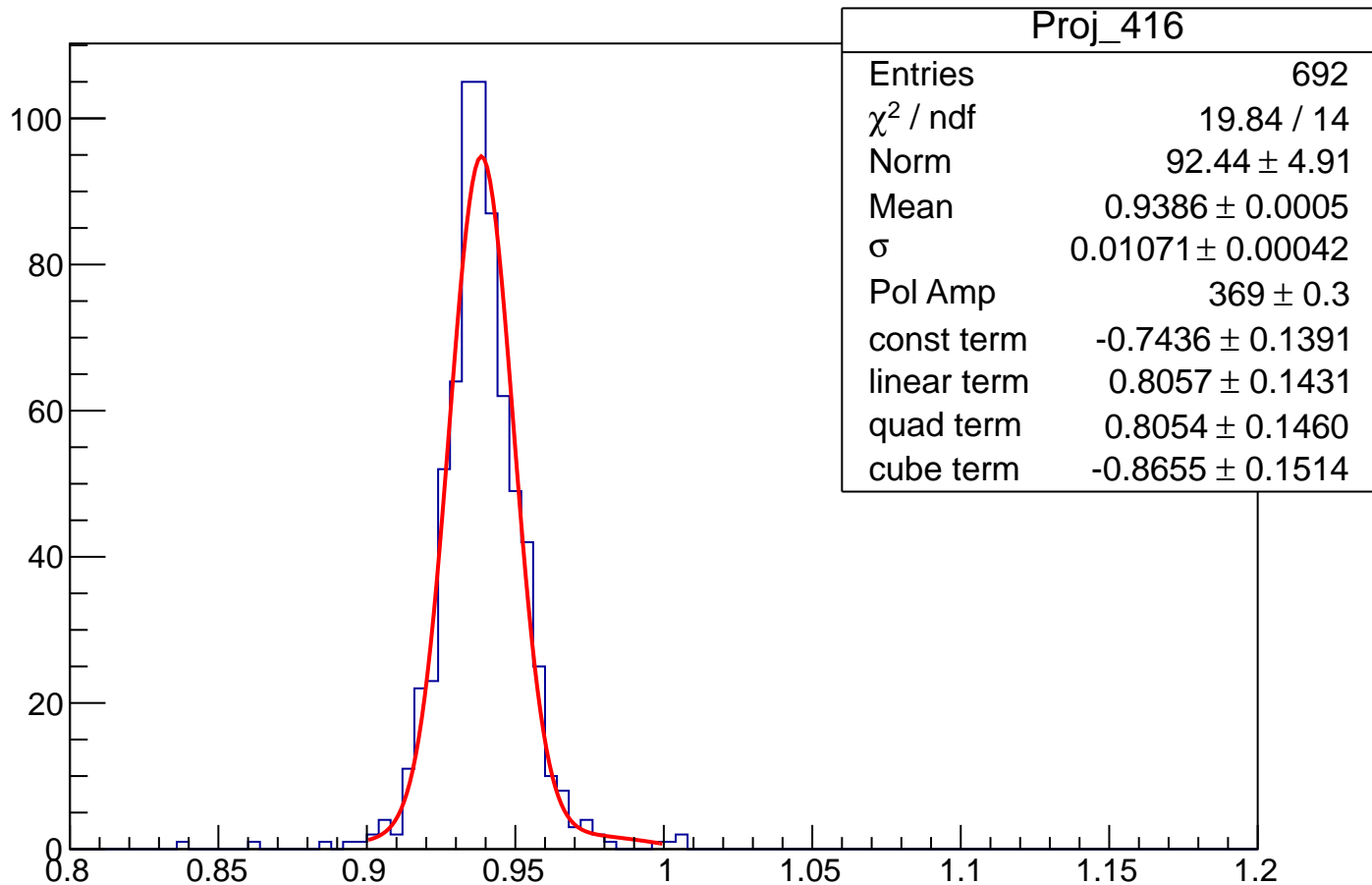
PhiThetaMassPip



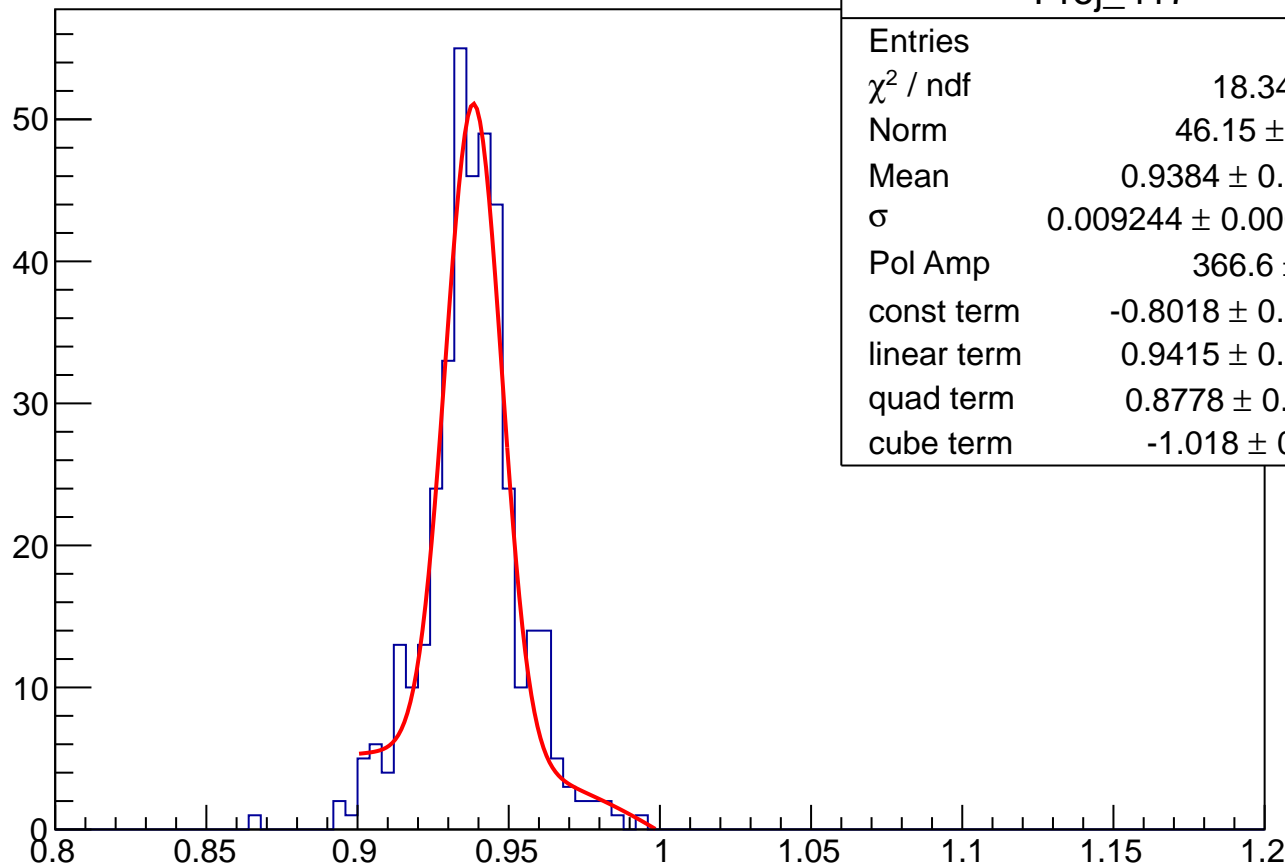
PhiThetaMassPip



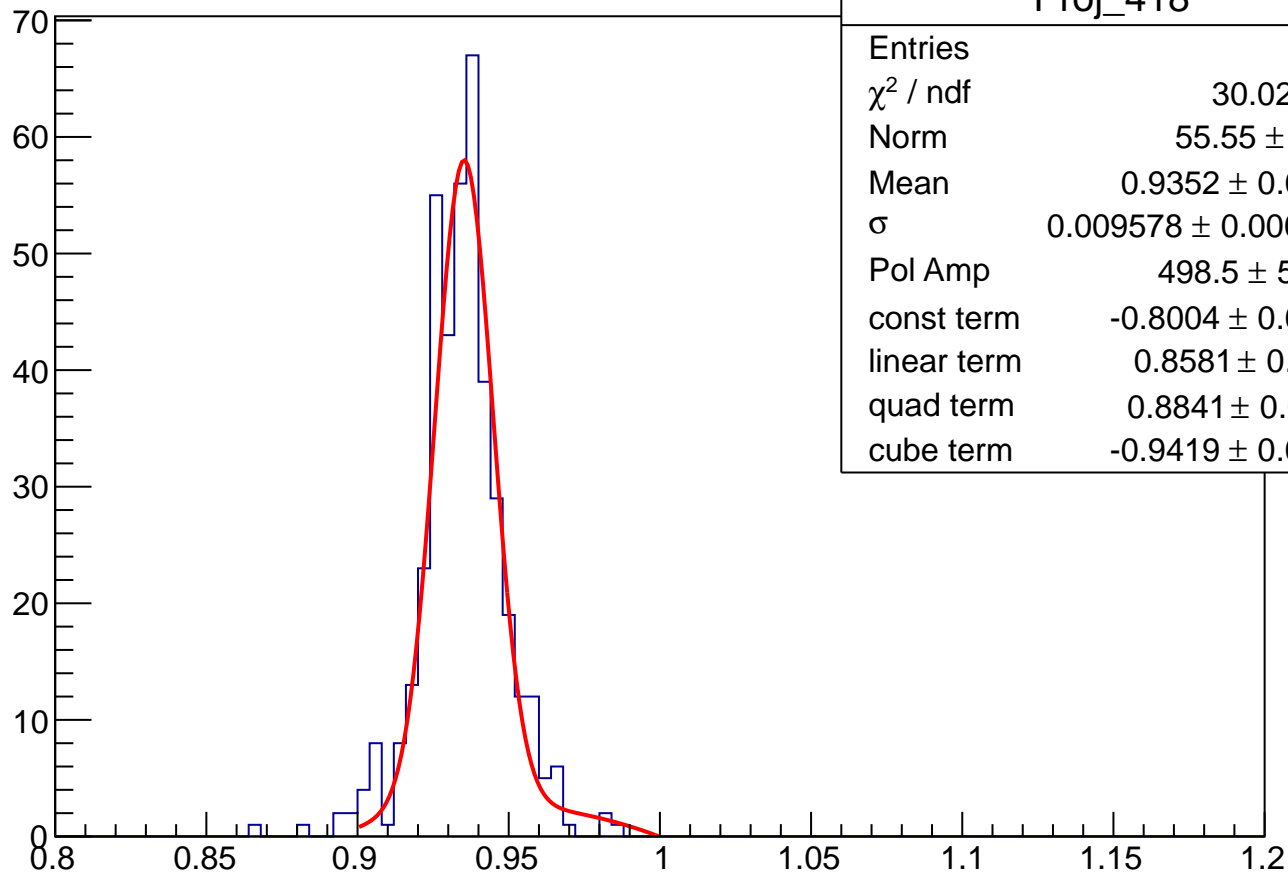
PhiThetaMassPip



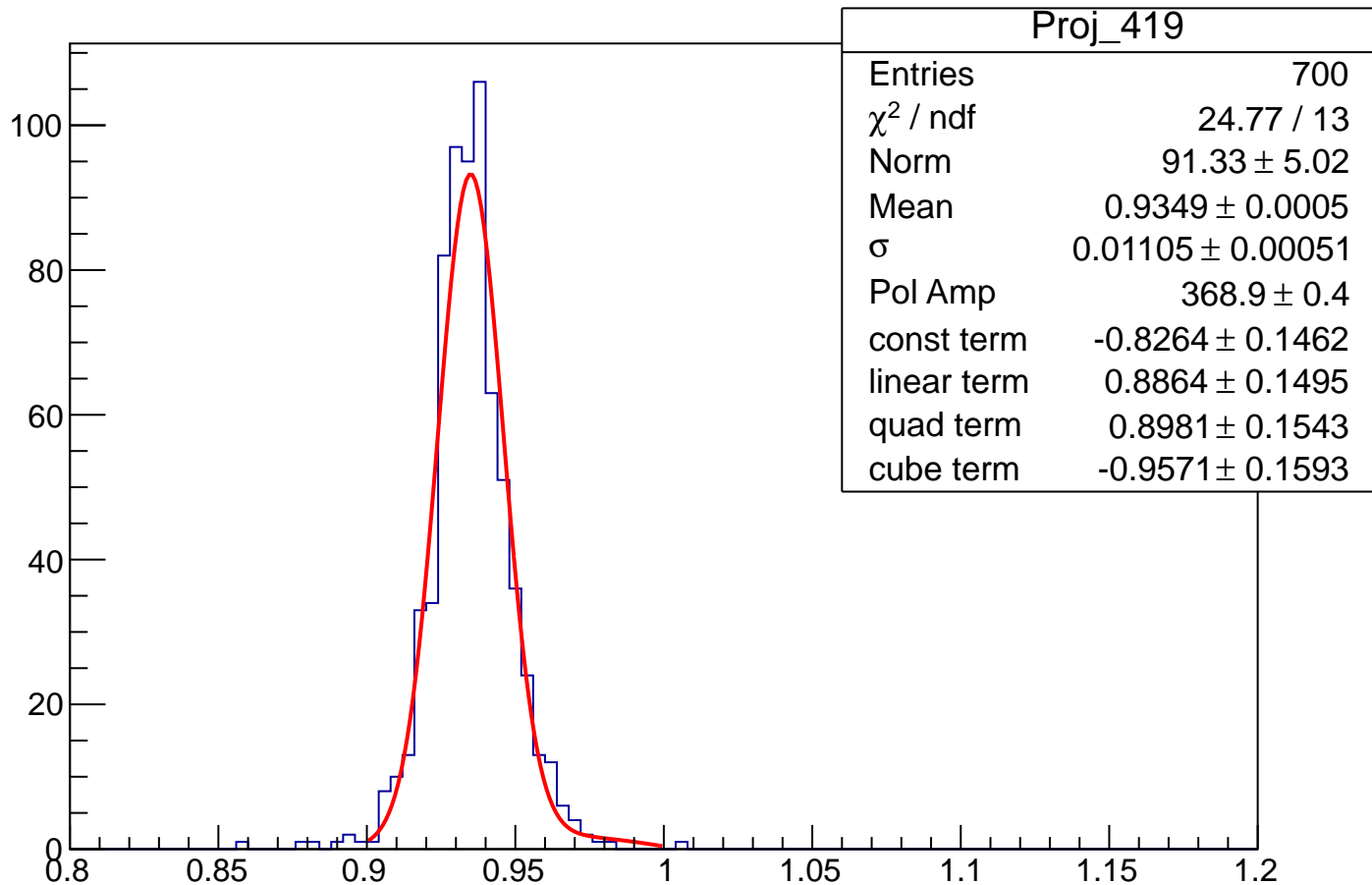
PhiThetaMassPip



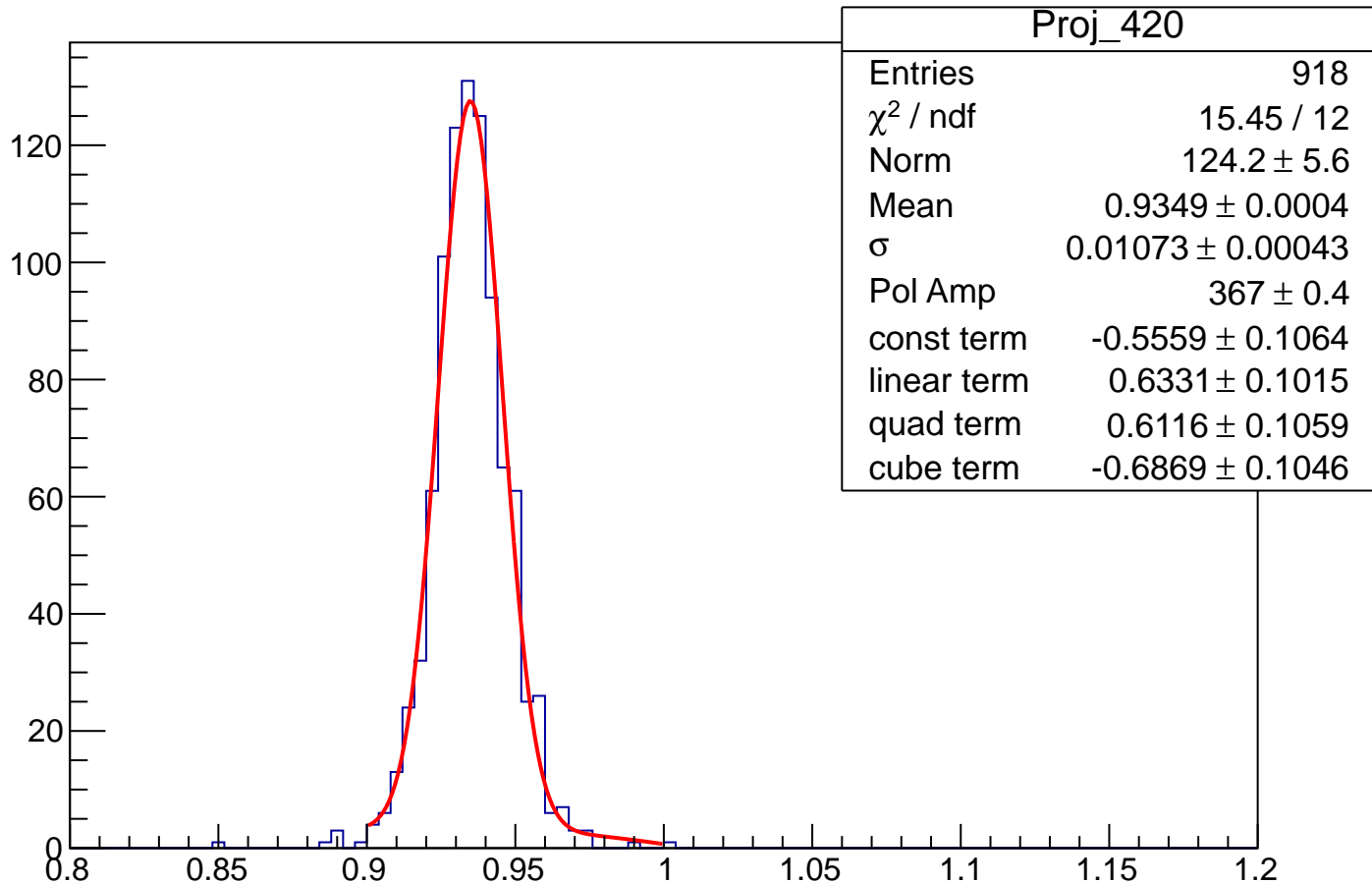
PhiThetaMassPip



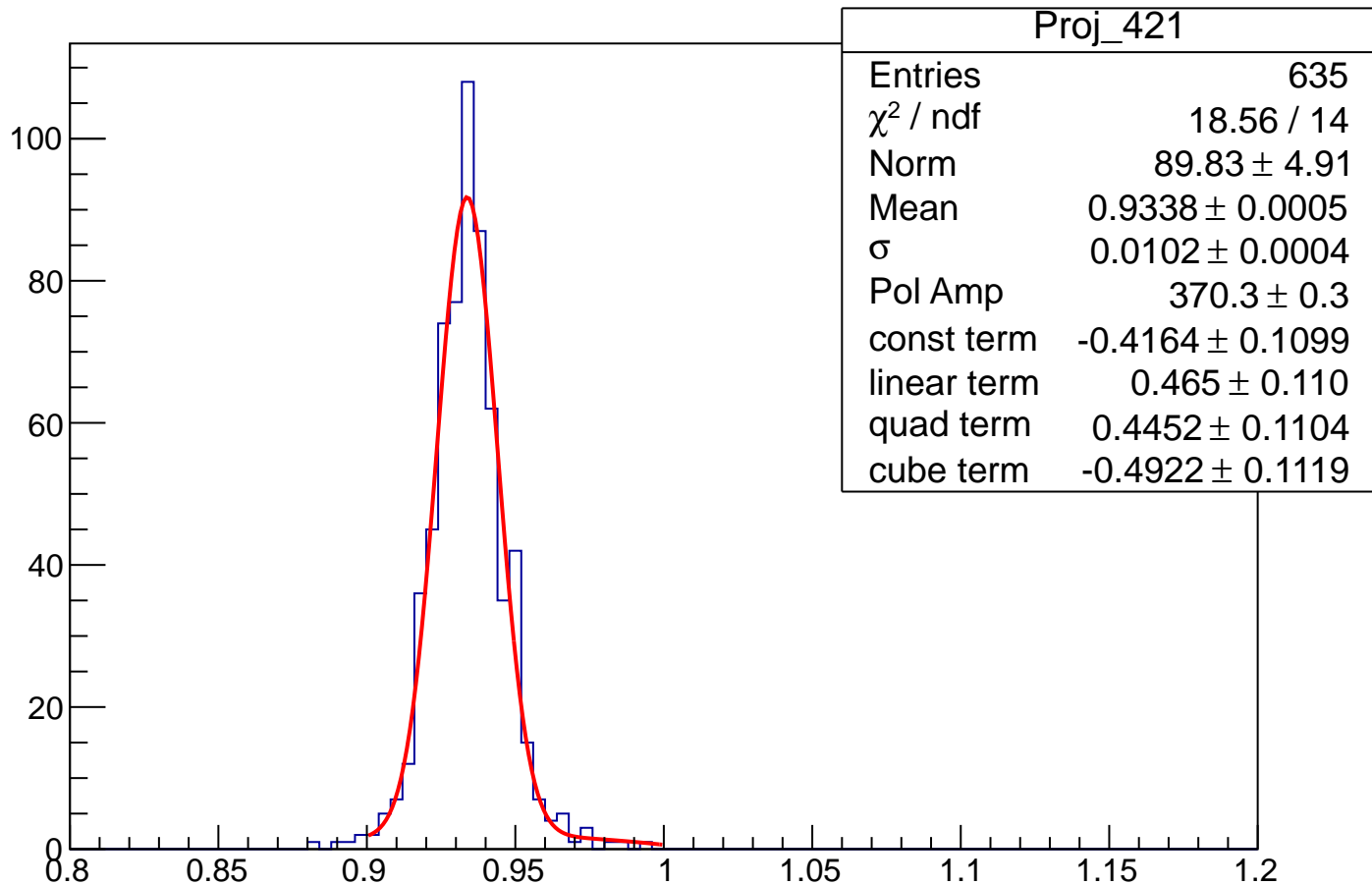
PhiThetaMassPip



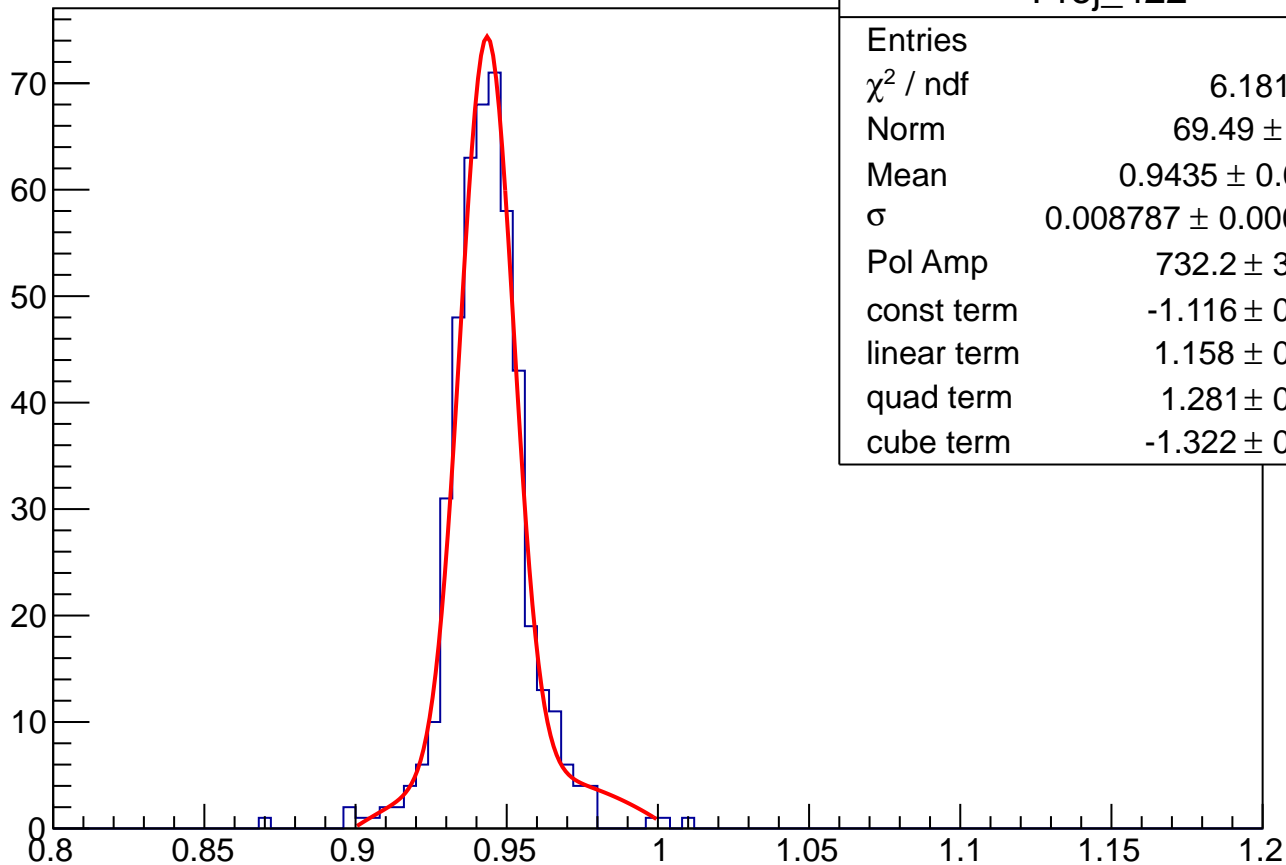
PhiThetaMassPip



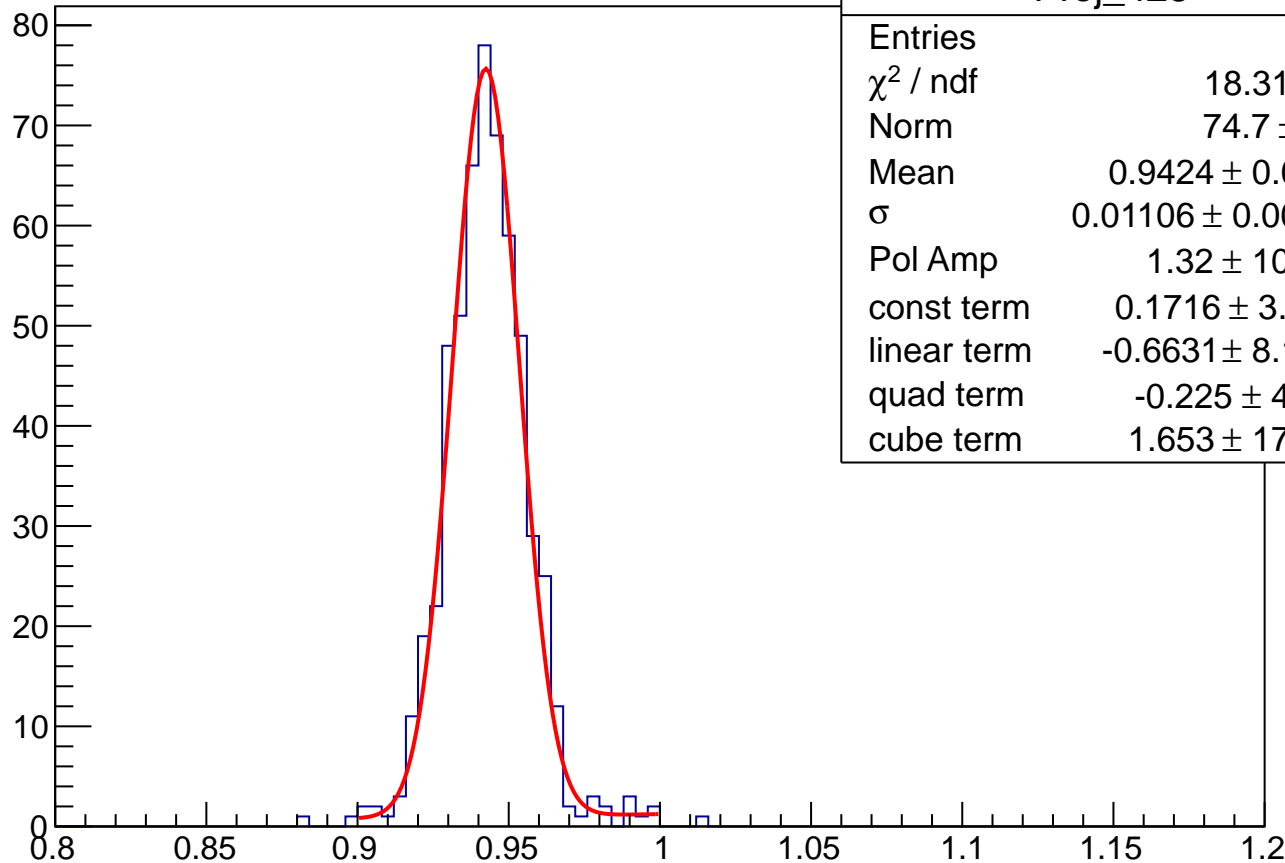
PhiThetaMassPip



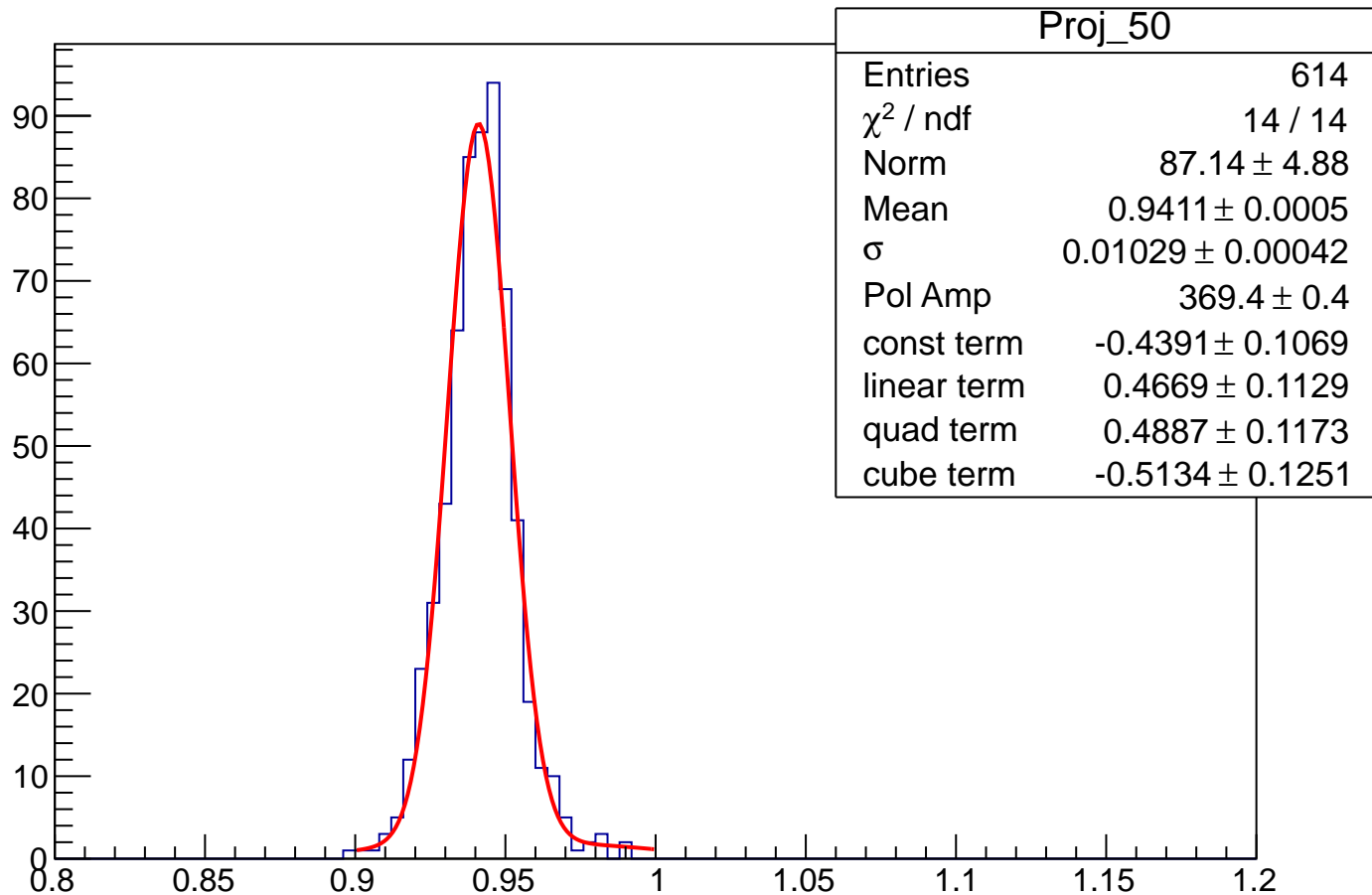
PhiThetaMassPip



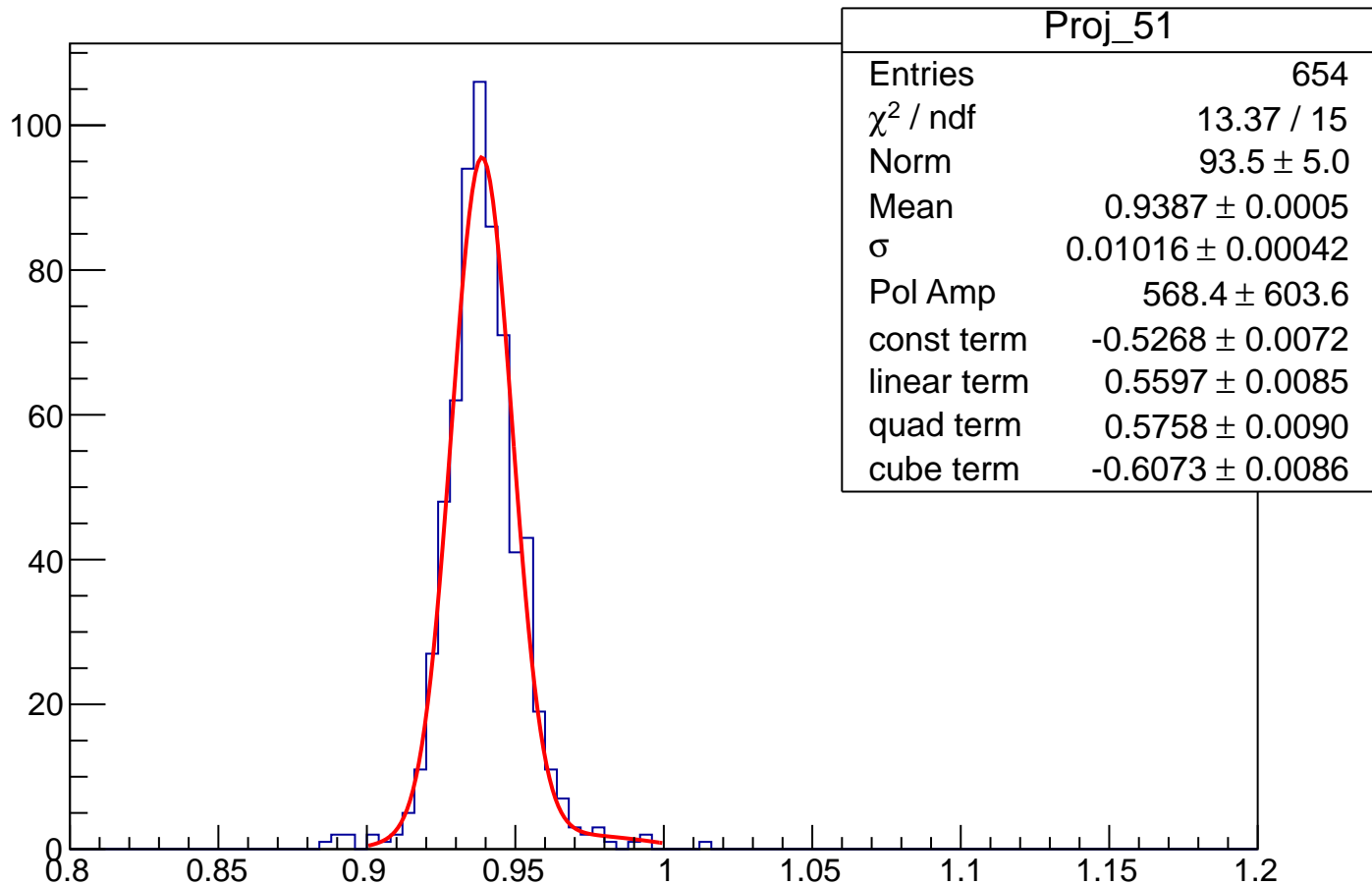
PhiThetaMassPip



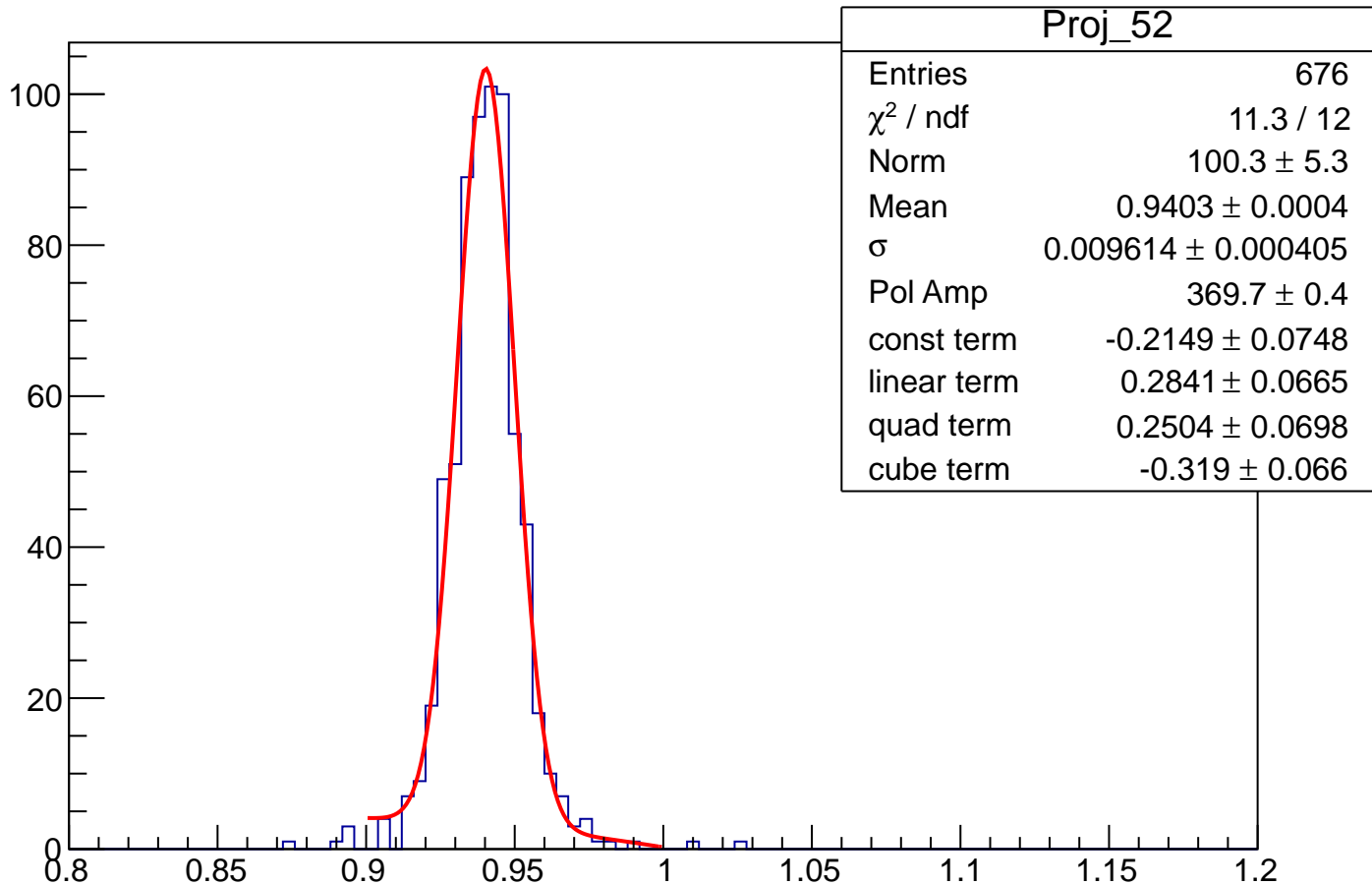
PhiThetaMassPip



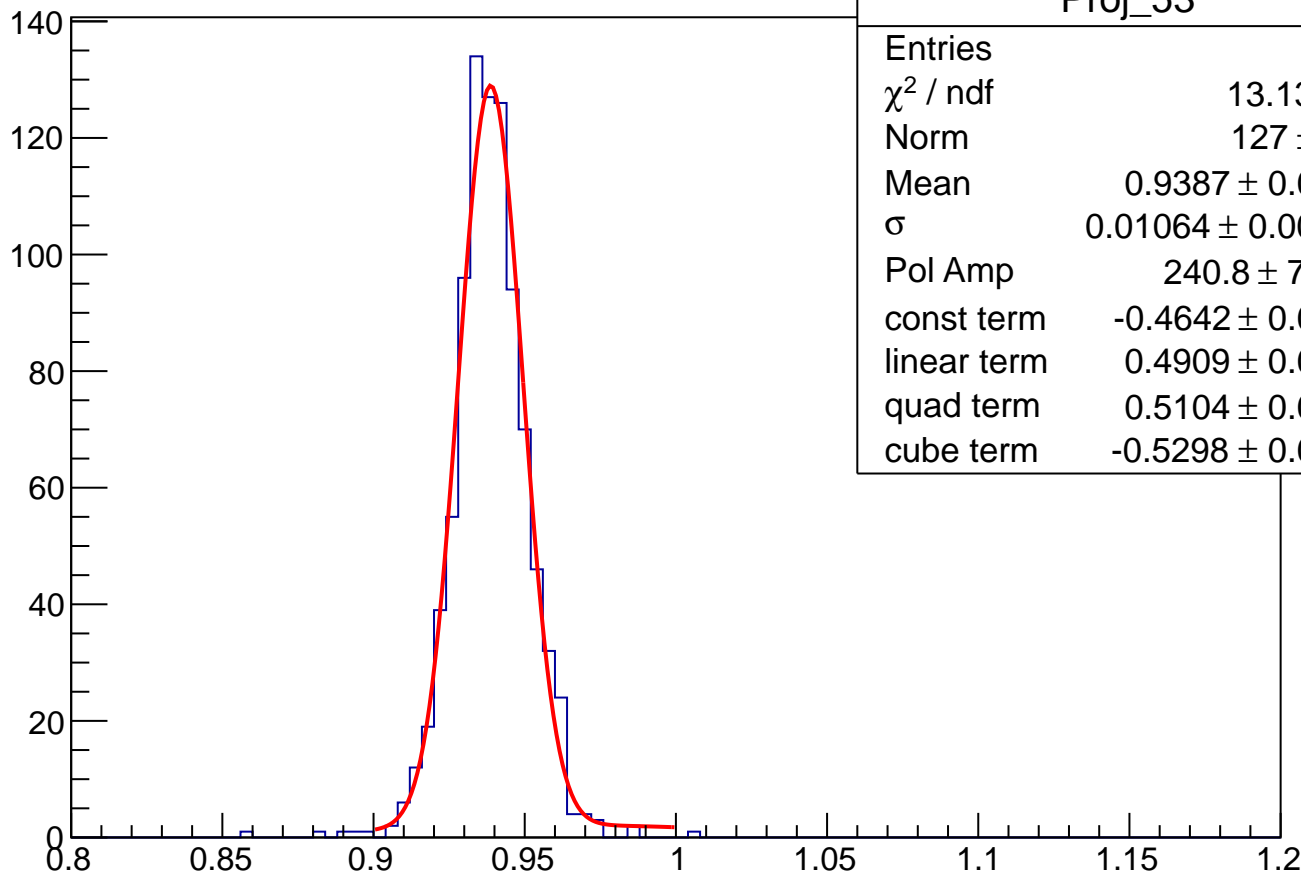
PhiThetaMassPip



PhiThetaMassPip



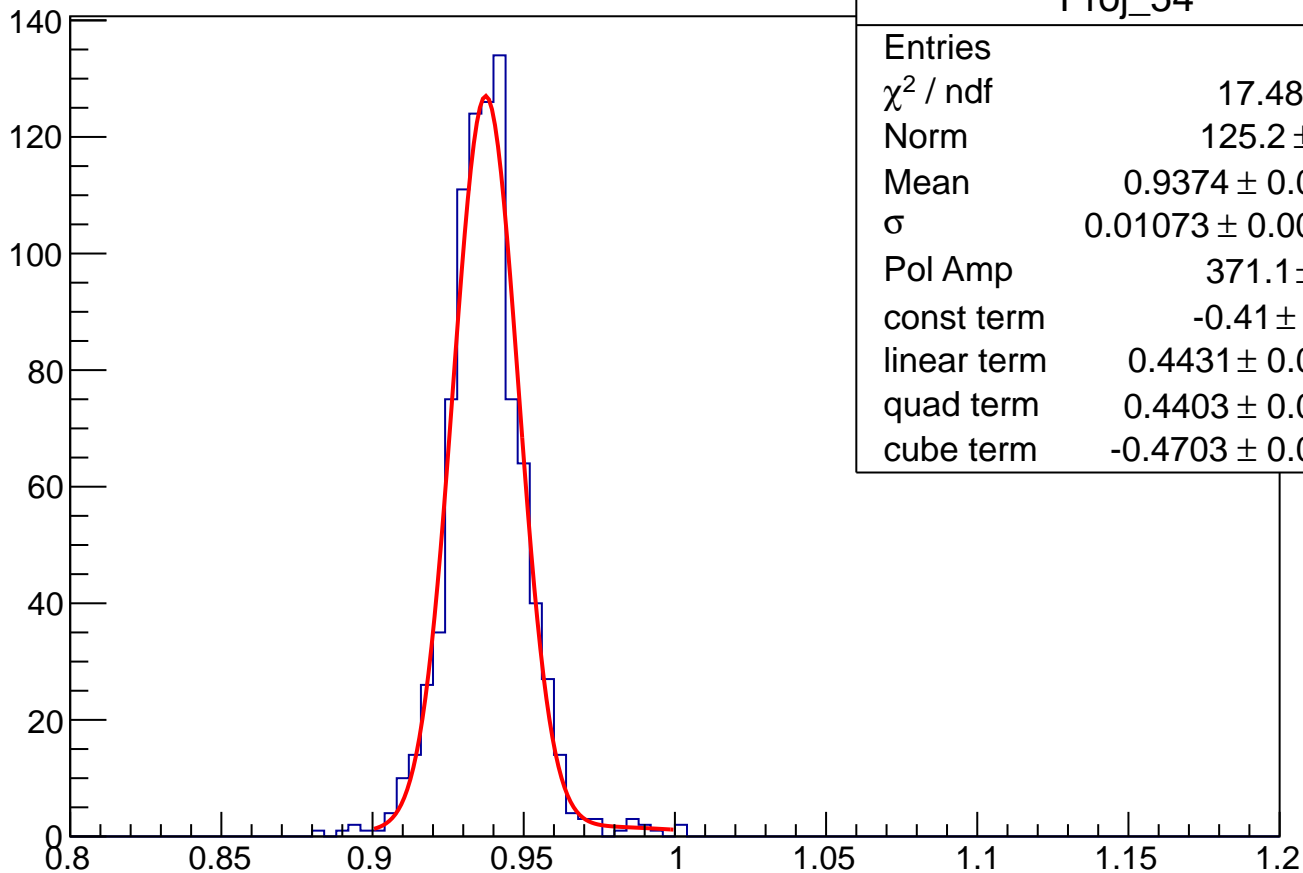
PhiThetaMassPip



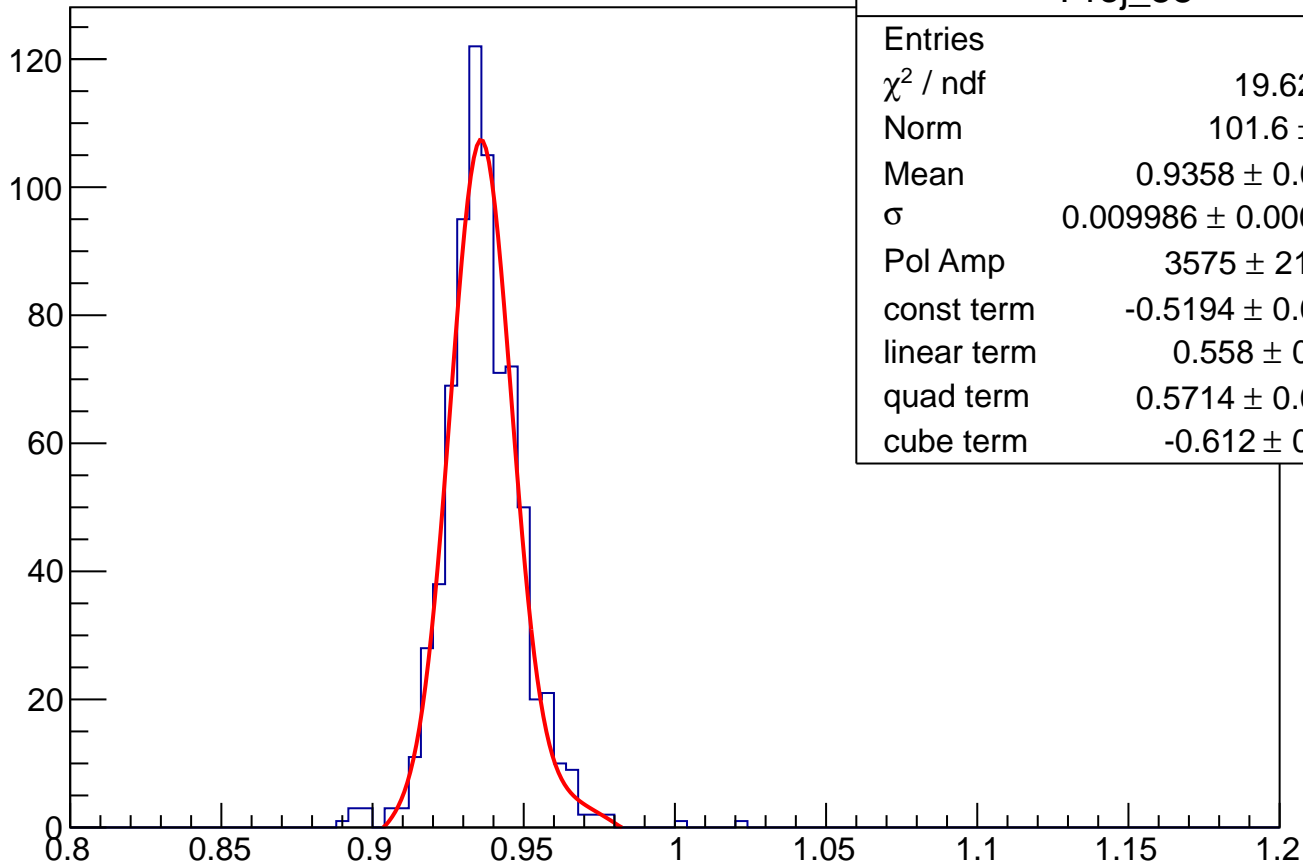
Proj_53

Entries	901
χ^2 / ndf	13.13 / 11
Norm	127 ± 5.6
Mean	0.9387 ± 0.0004
σ	0.01064 ± 0.00039
Pol Amp	240.8 ± 749.8
const term	-0.4642 ± 0.0273
linear term	0.4909 ± 0.0322
quad term	0.5104 ± 0.0352
cube term	-0.5298 ± 0.0364

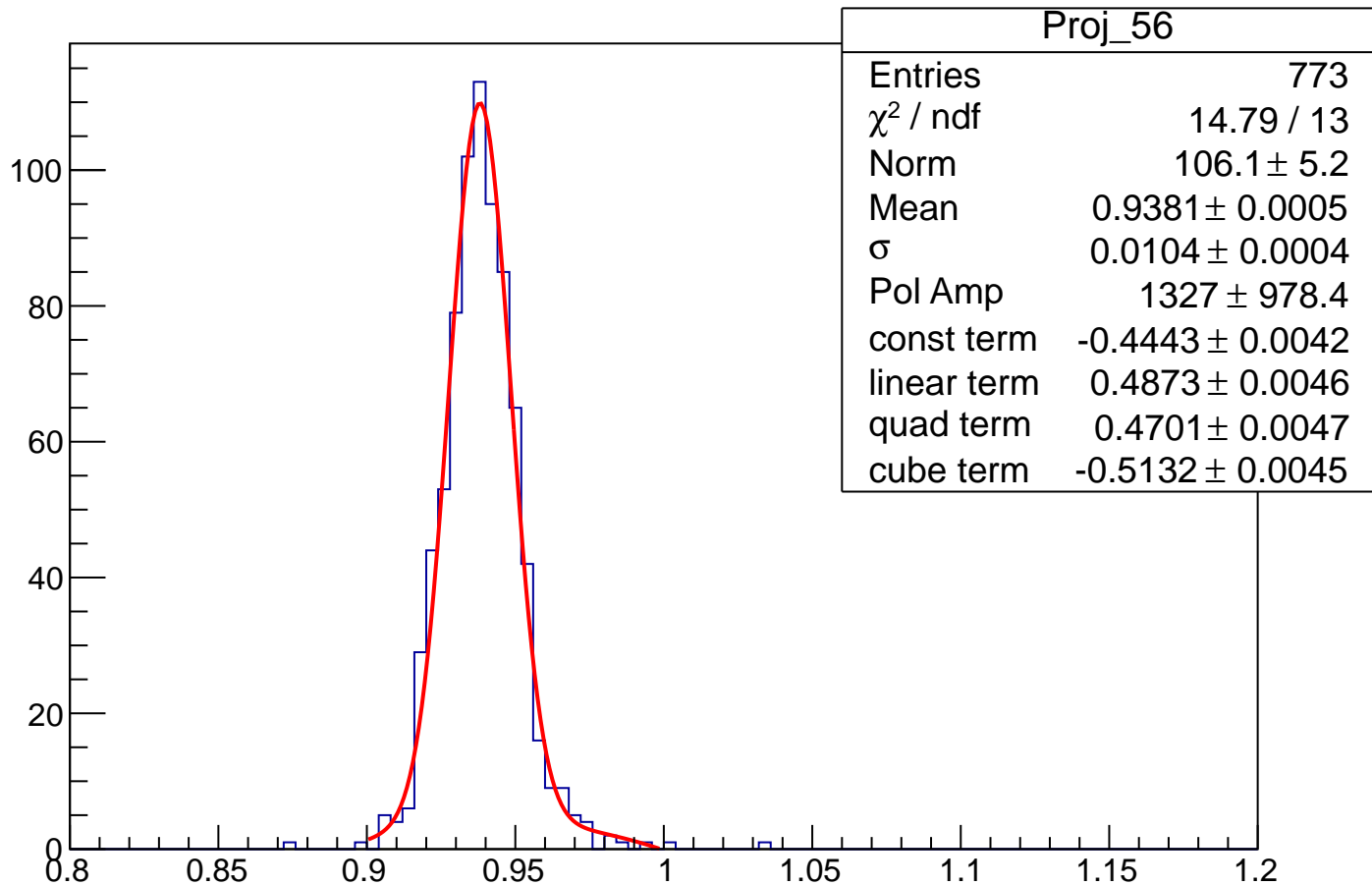
PhiThetaMassPip



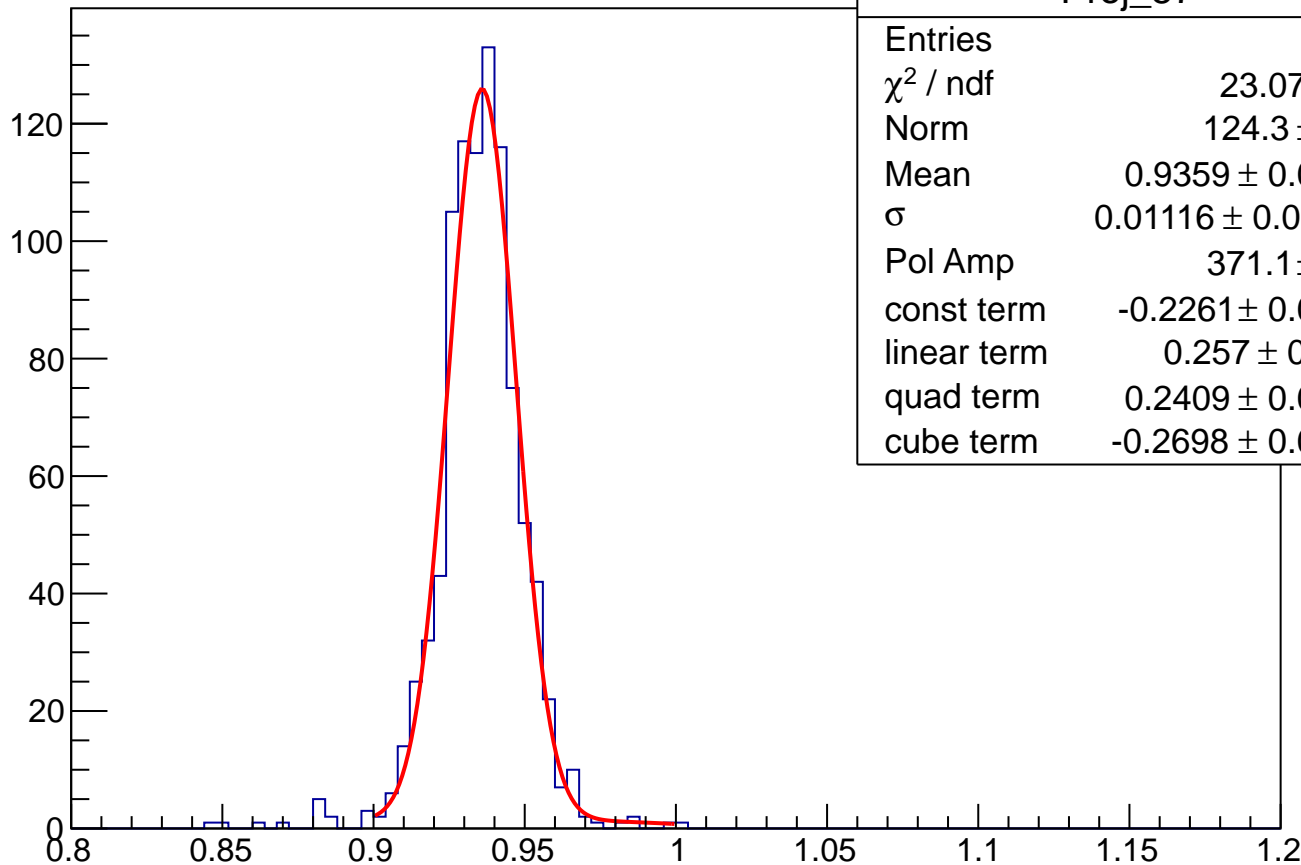
PhiThetaMassPip



PhiThetaMassPip



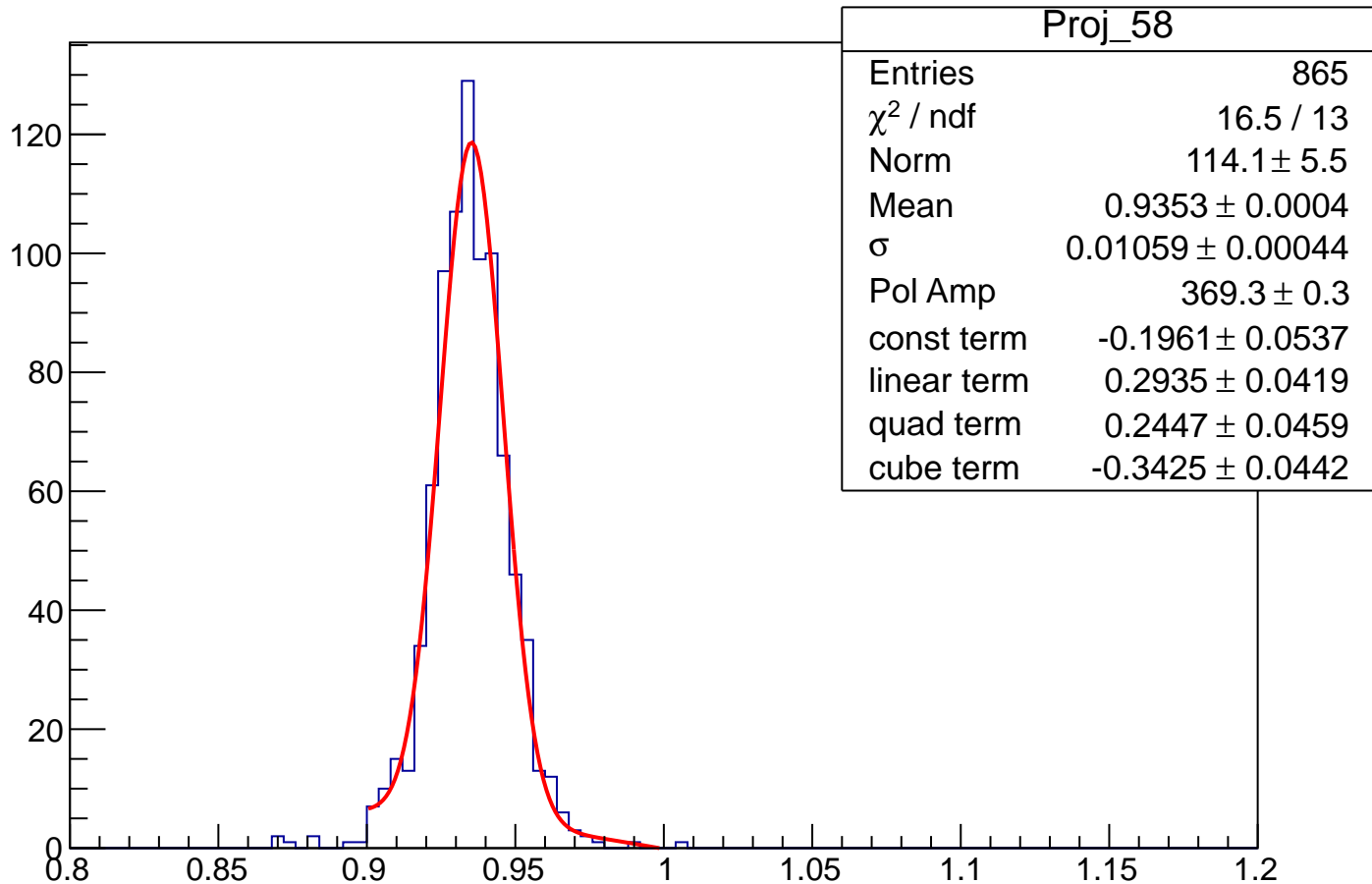
PhiThetaMassPip



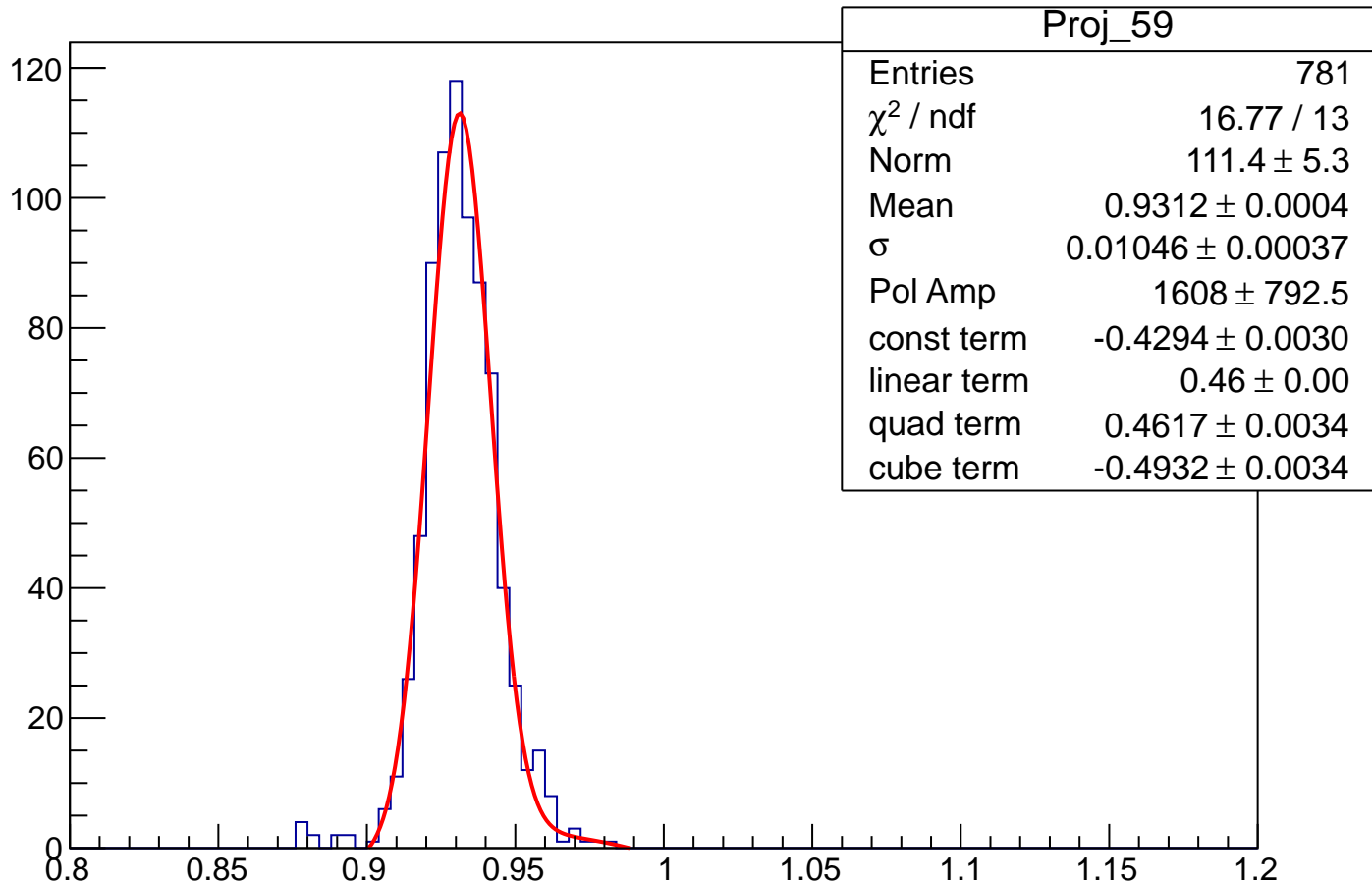
Proj_57

Entries	938
χ^2 / ndf	23.07 / 14
Norm	124.3 ± 5.6
Mean	0.9359 ± 0.0004
σ	0.01116 ± 0.00041
Pol Amp	371.1 ± 0.2
const term	-0.2261 ± 0.0419
linear term	0.257 ± 0.035
quad term	0.2409 ± 0.0370
cube term	-0.2698 ± 0.0352

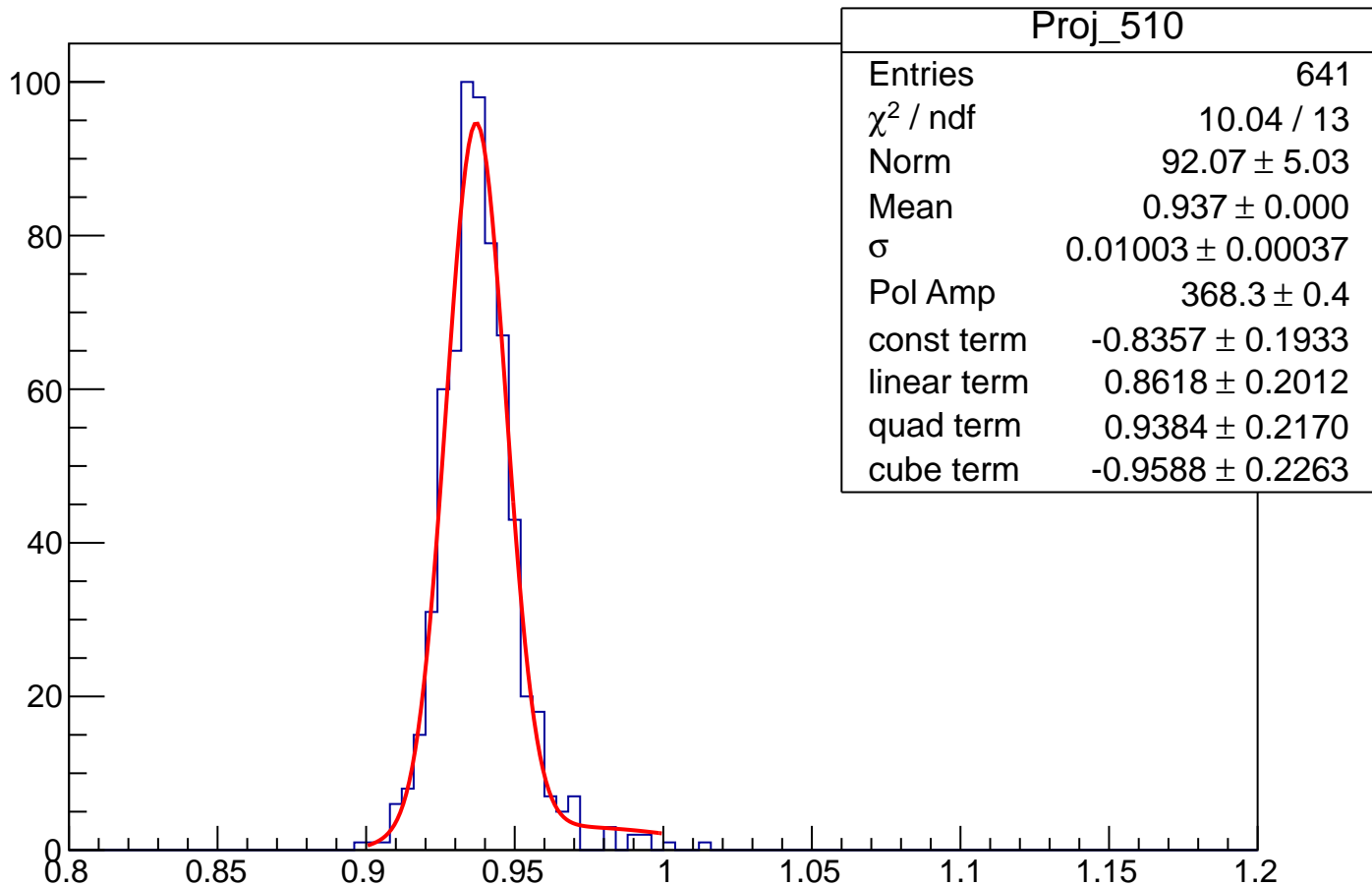
PhiThetaMassPip



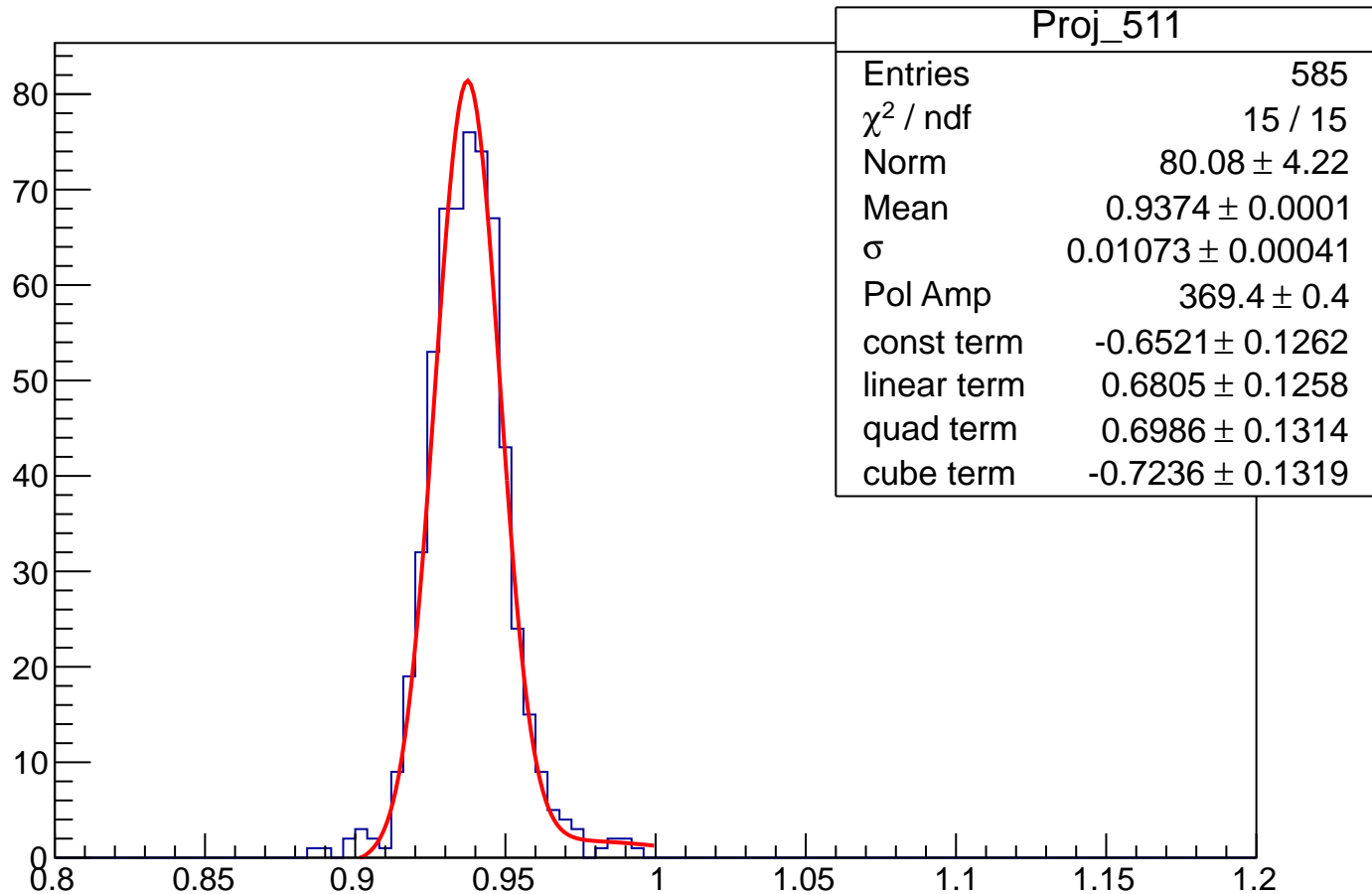
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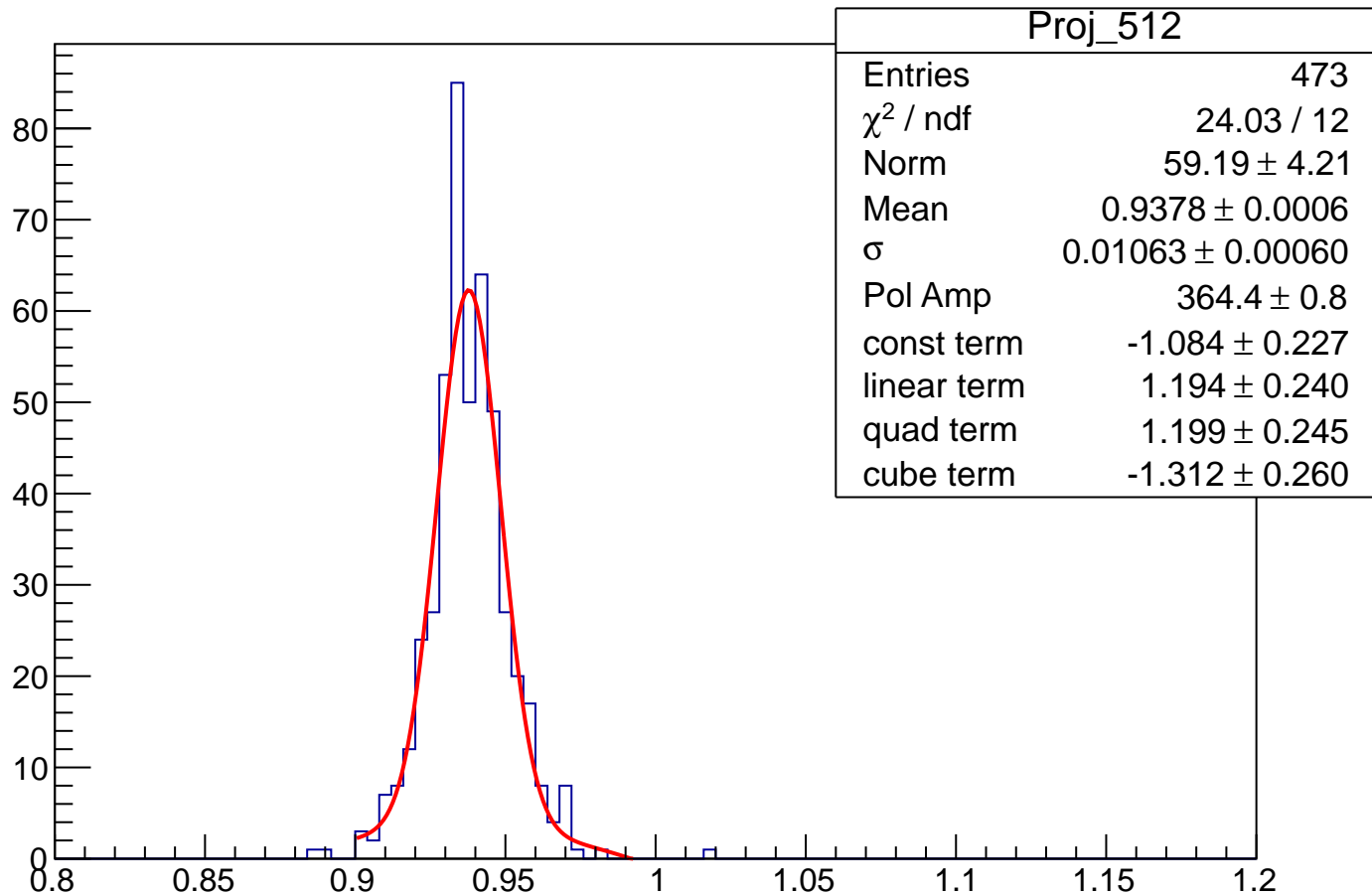
PhiThetaMassPip



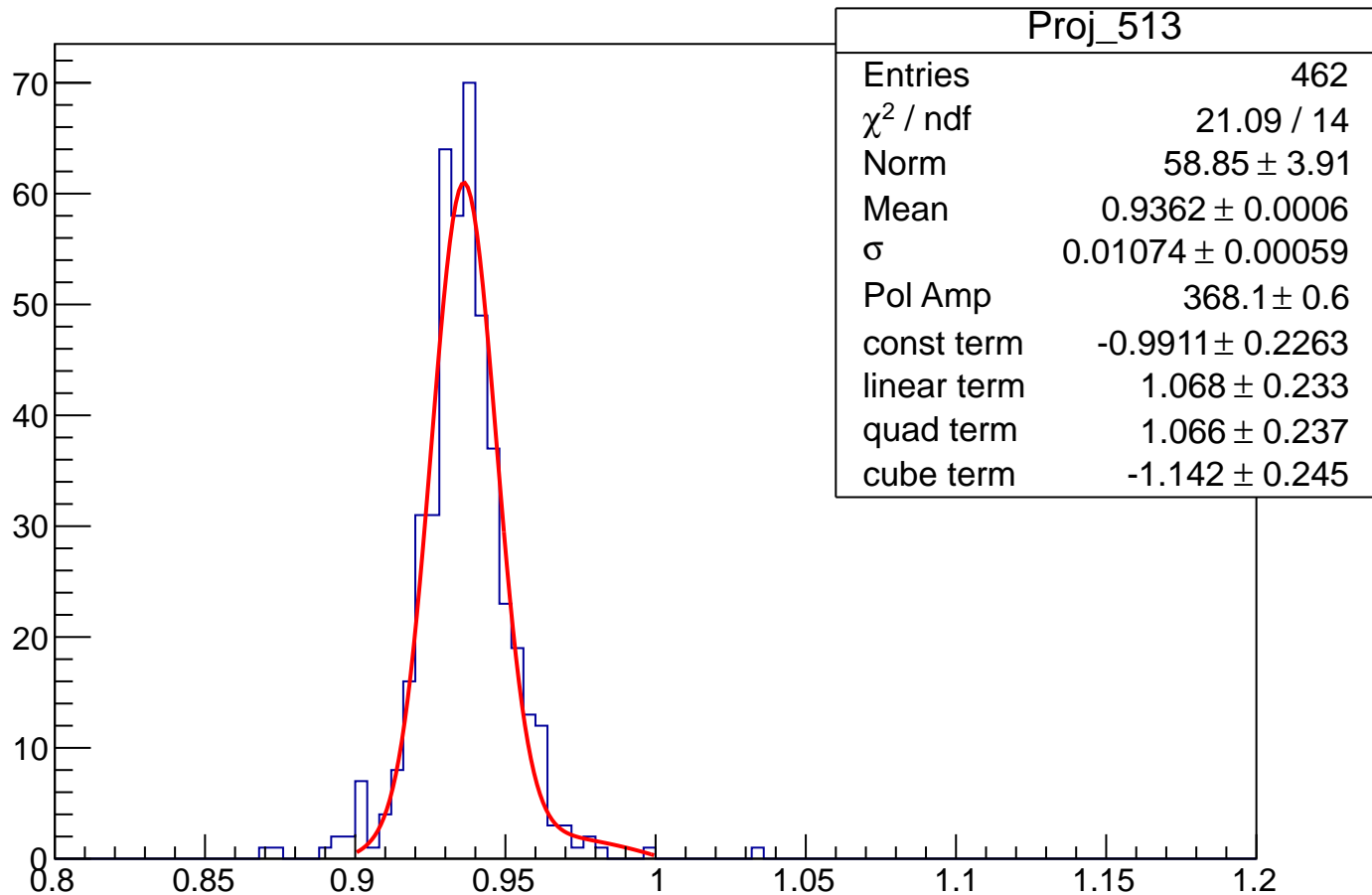
PhiThetaMassPip



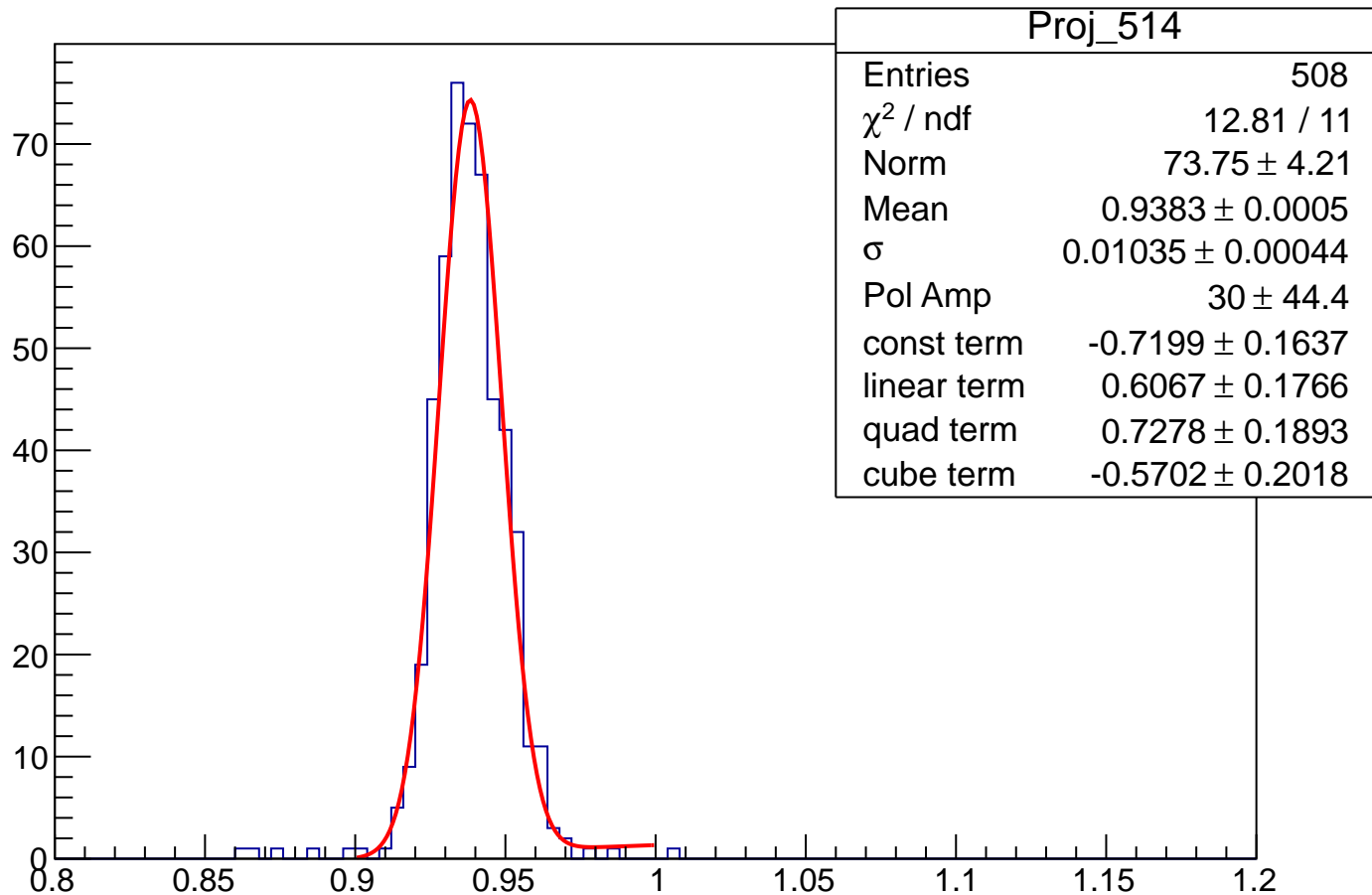
PhiThetaMassPip



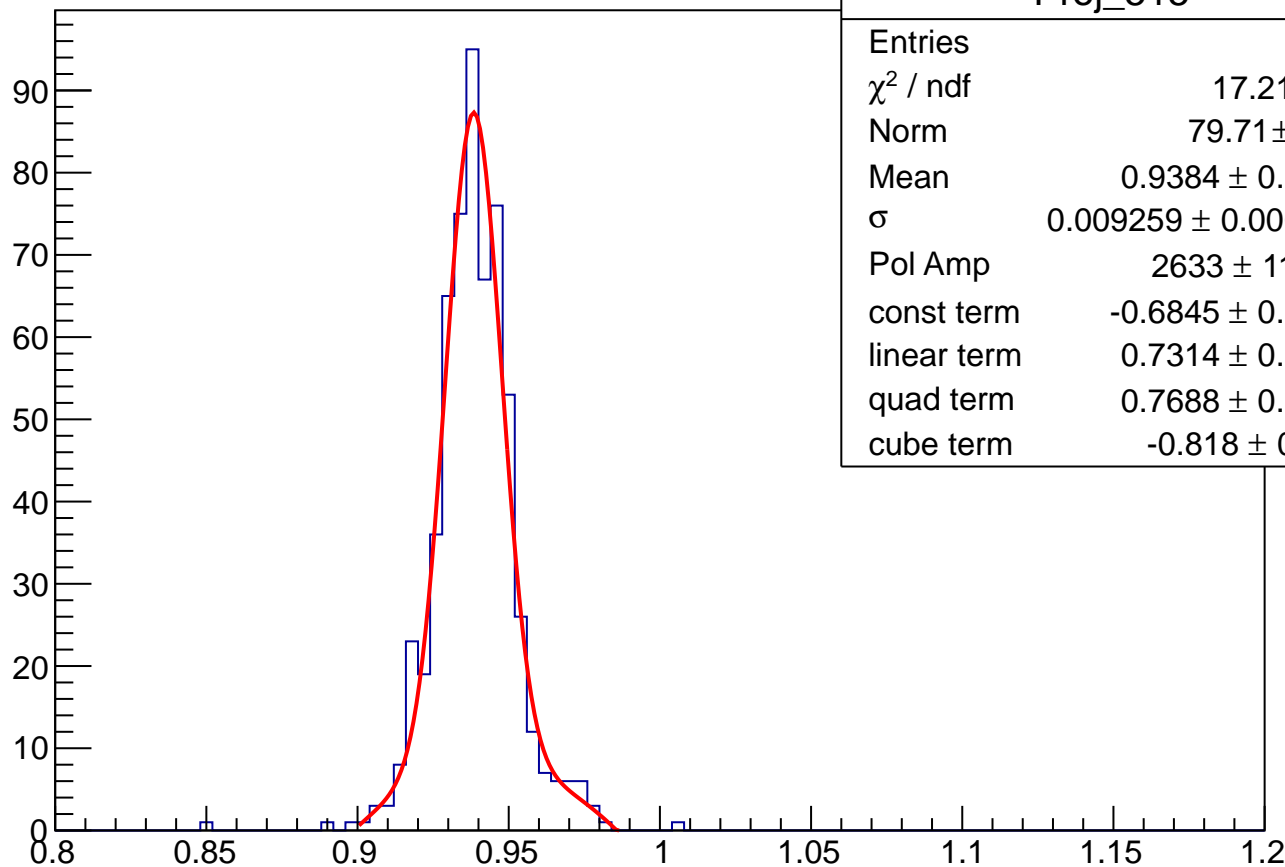
PhiThetaMassPip



PhiThetaMassPip



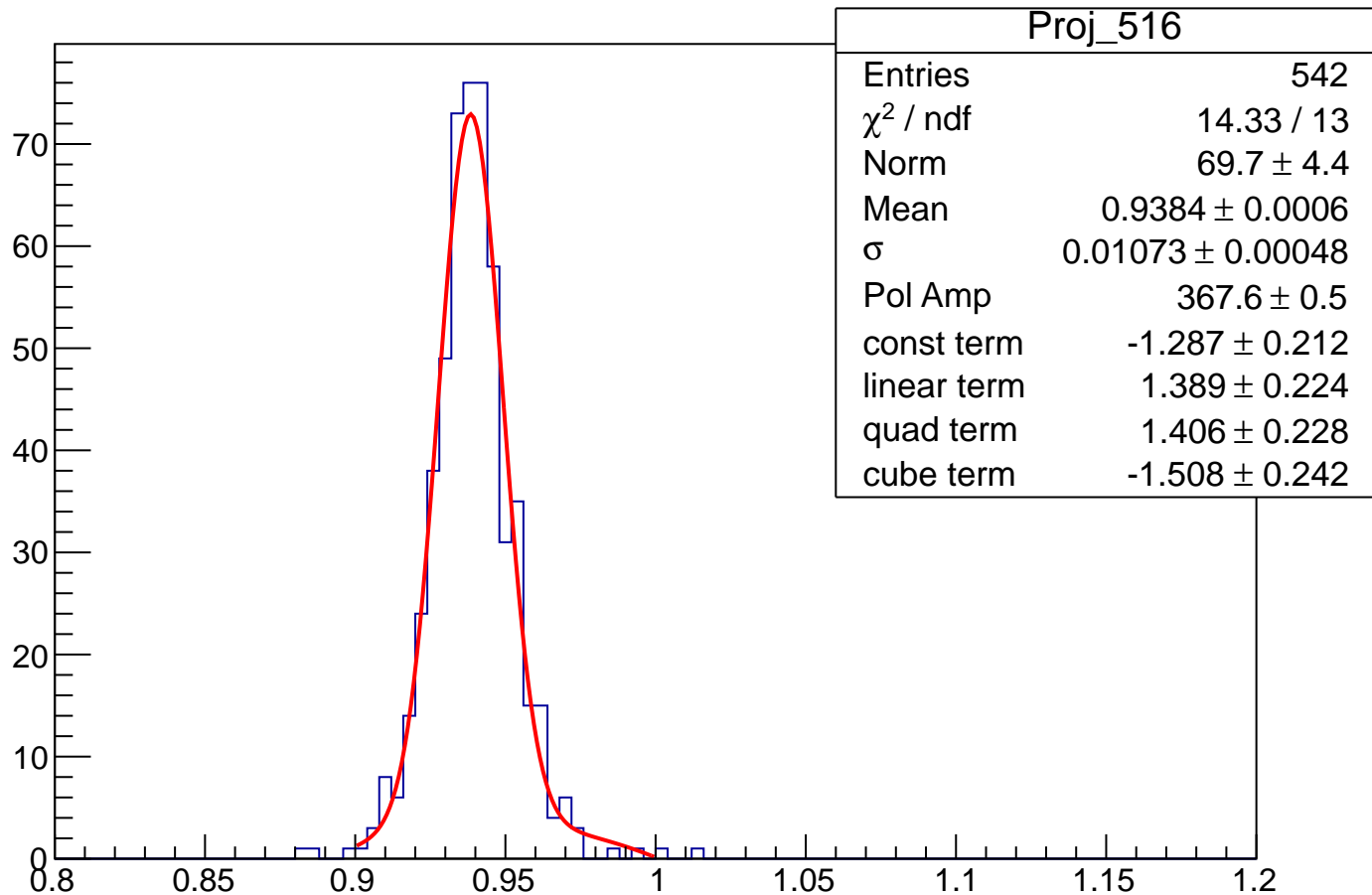
PhiThetaMassPip



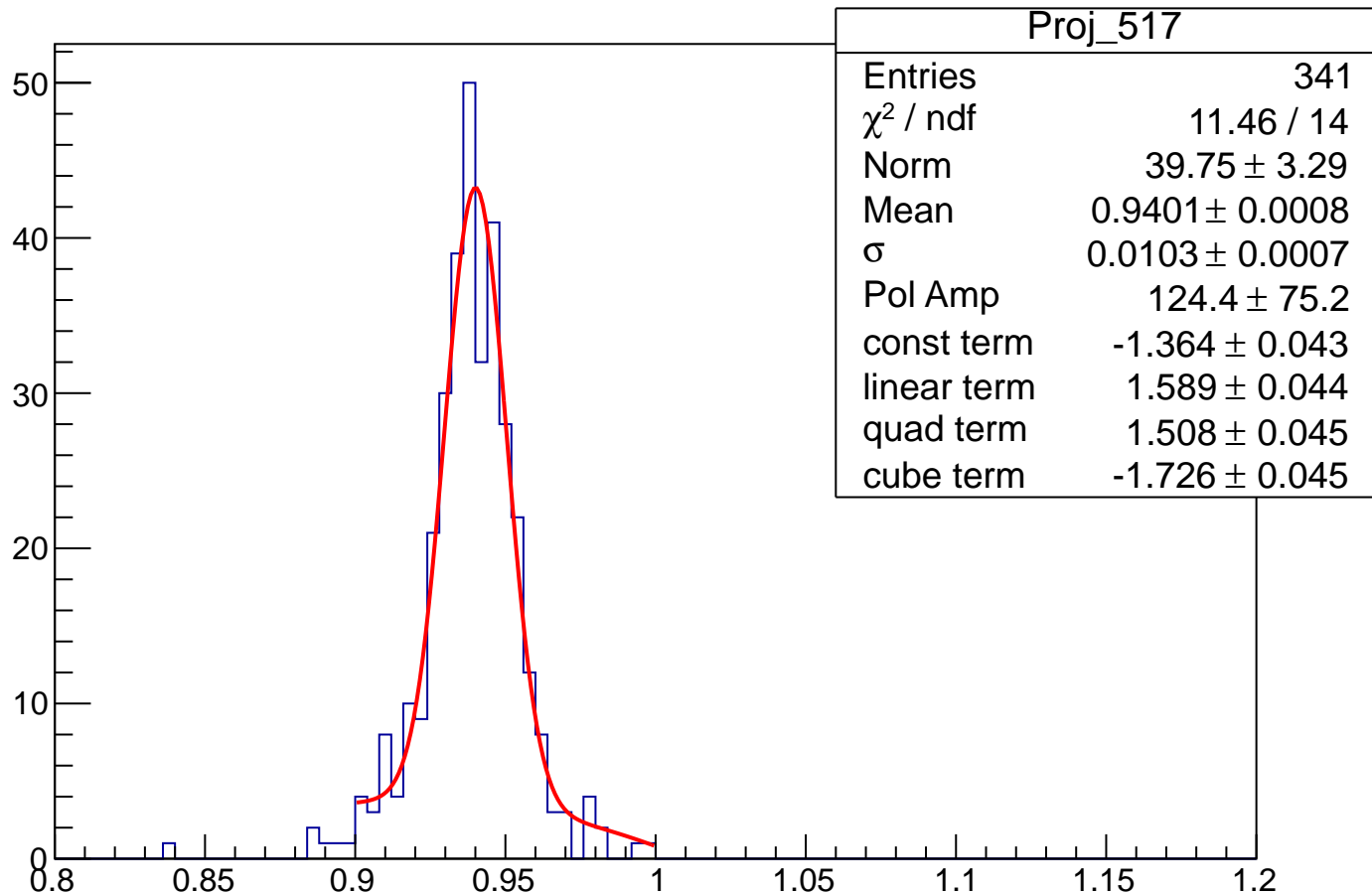
Proj_515

Entries	595
χ^2 / ndf	17.21 / 13
Norm	79.71 ± 5.11
Mean	0.9384 ± 0.0005
σ	0.009259 ± 0.000569
Pol Amp	2633 ± 1110.8
const term	-0.6845 ± 0.0018
linear term	0.7314 ± 0.0024
quad term	0.7688 ± 0.0025
cube term	-0.818 ± 0.002

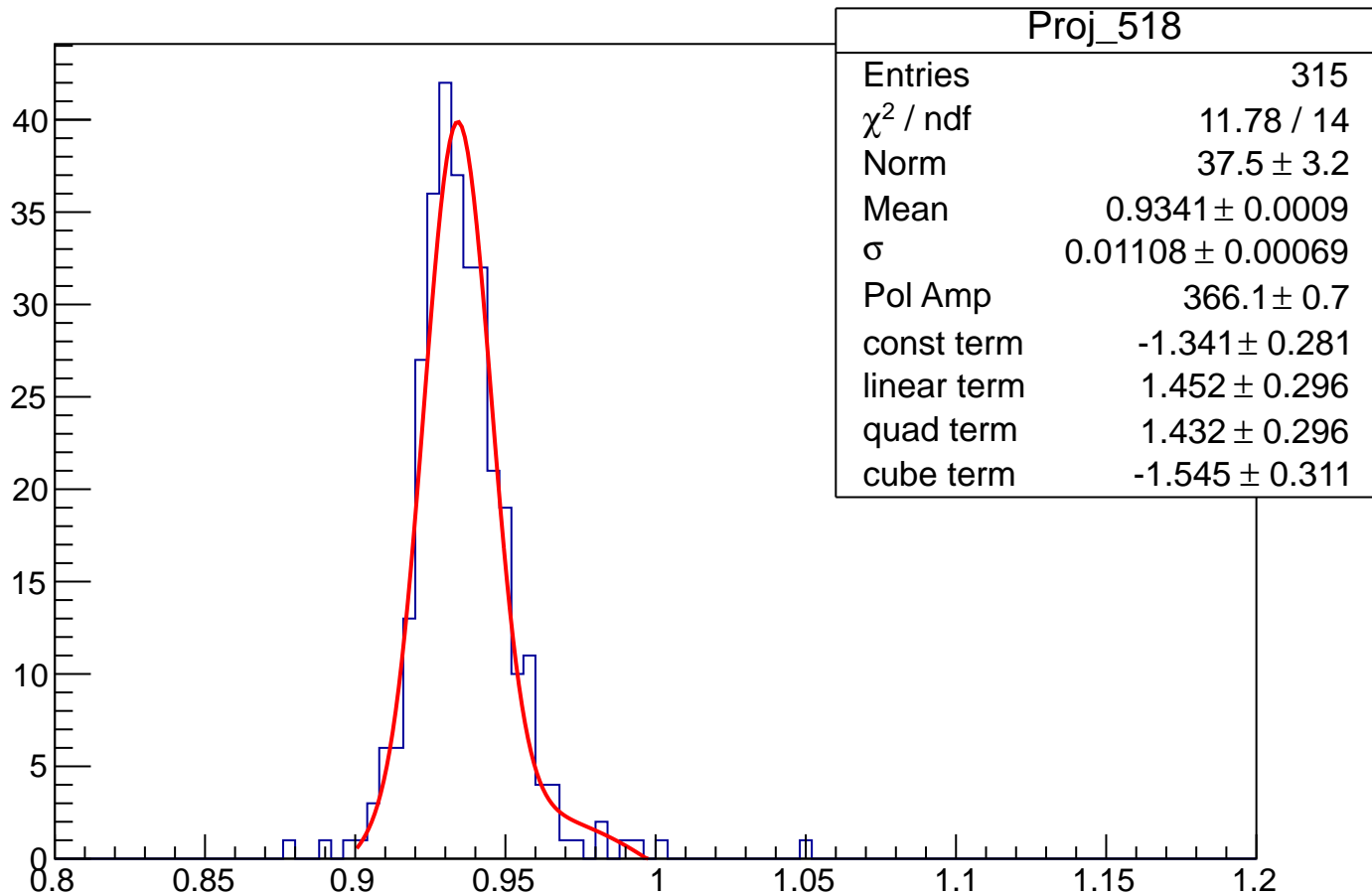
PhiThetaMassPip



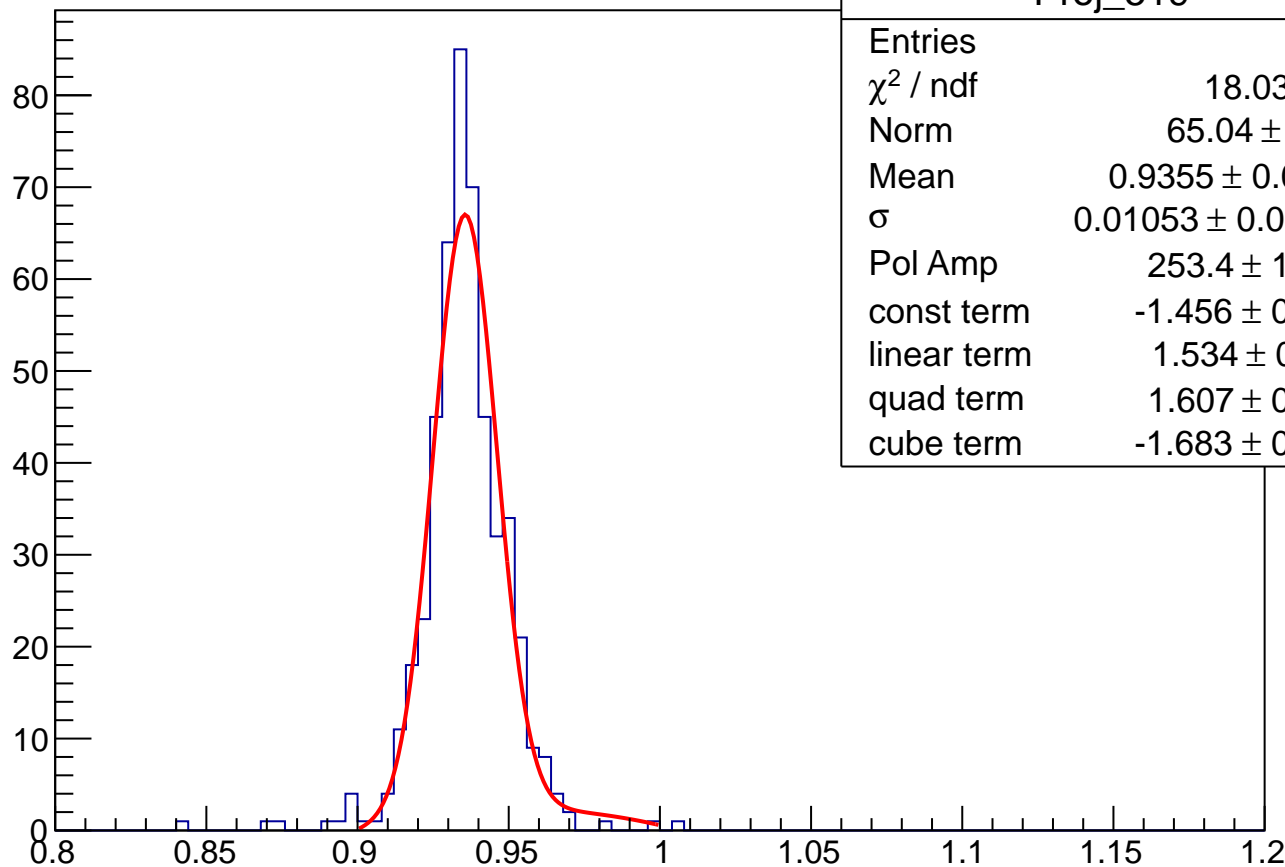
PhiThetaMassPip



PhiThetaMassPip



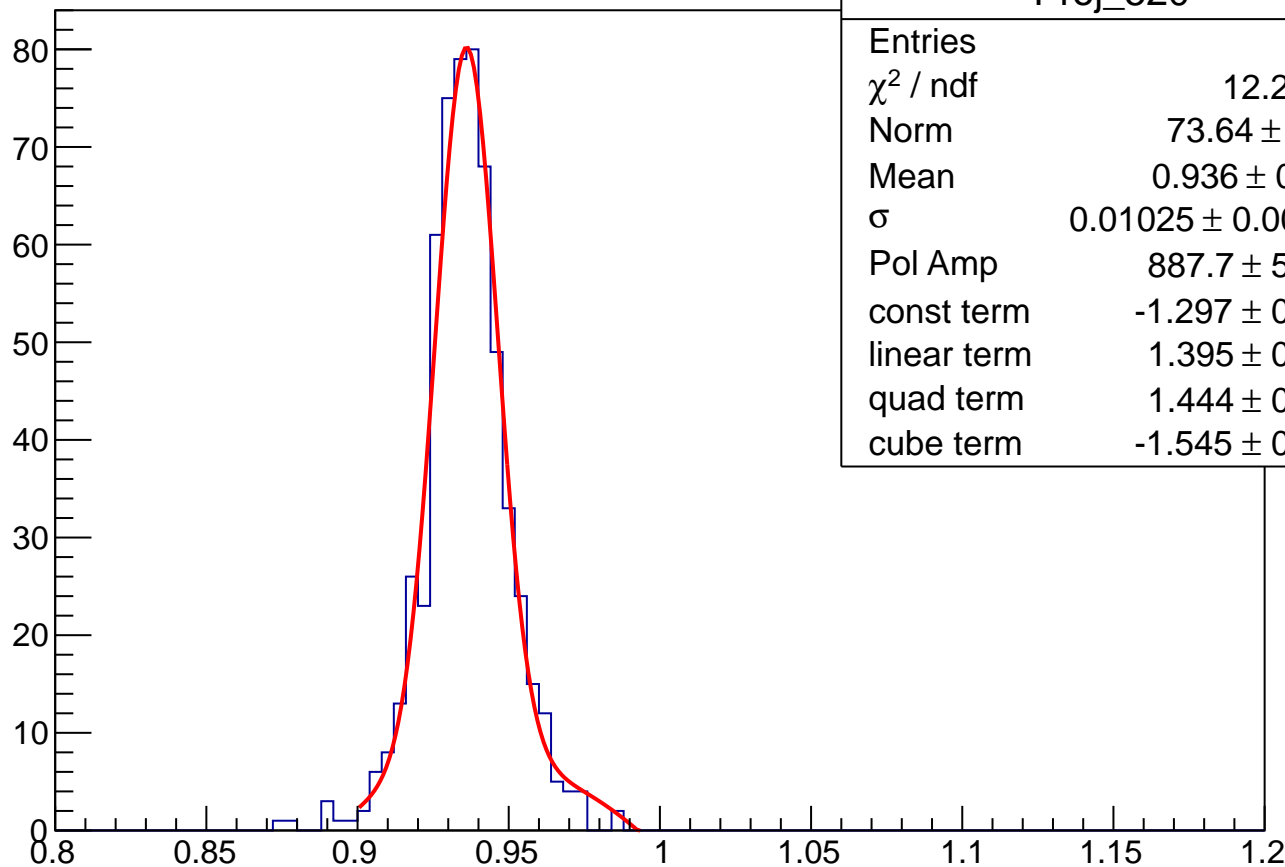
PhiThetaMassPip



Proj_519

Entries	489
χ^2 / ndf	18.03 / 12
Norm	65.04 ± 4.24
Mean	0.9355 ± 0.0006
σ	0.01053 ± 0.00061
Pol Amp	253.4 ± 183.0
const term	-1.456 ± 0.017
linear term	1.534 ± 0.021
quad term	1.607 ± 0.022
cube term	-1.683 ± 0.020

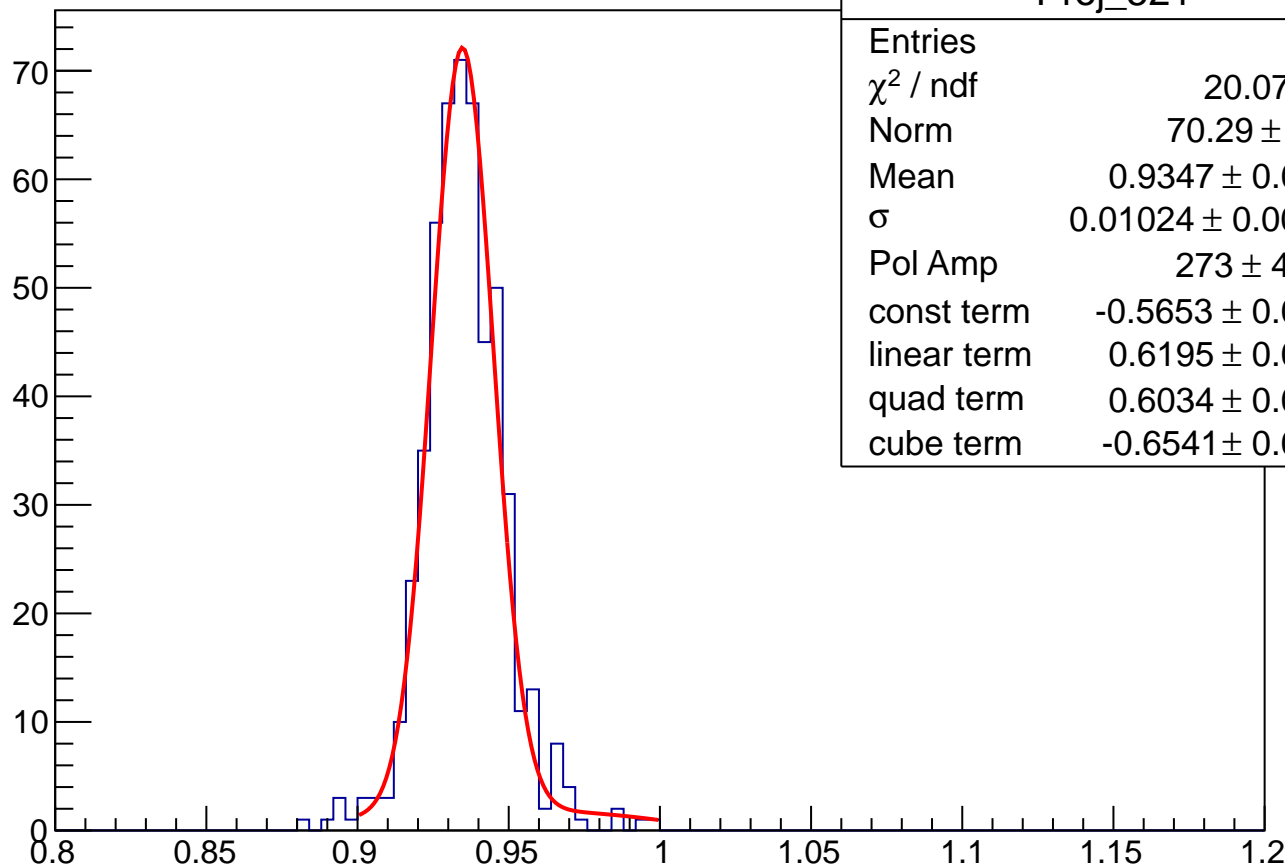
PhiThetaMassPip



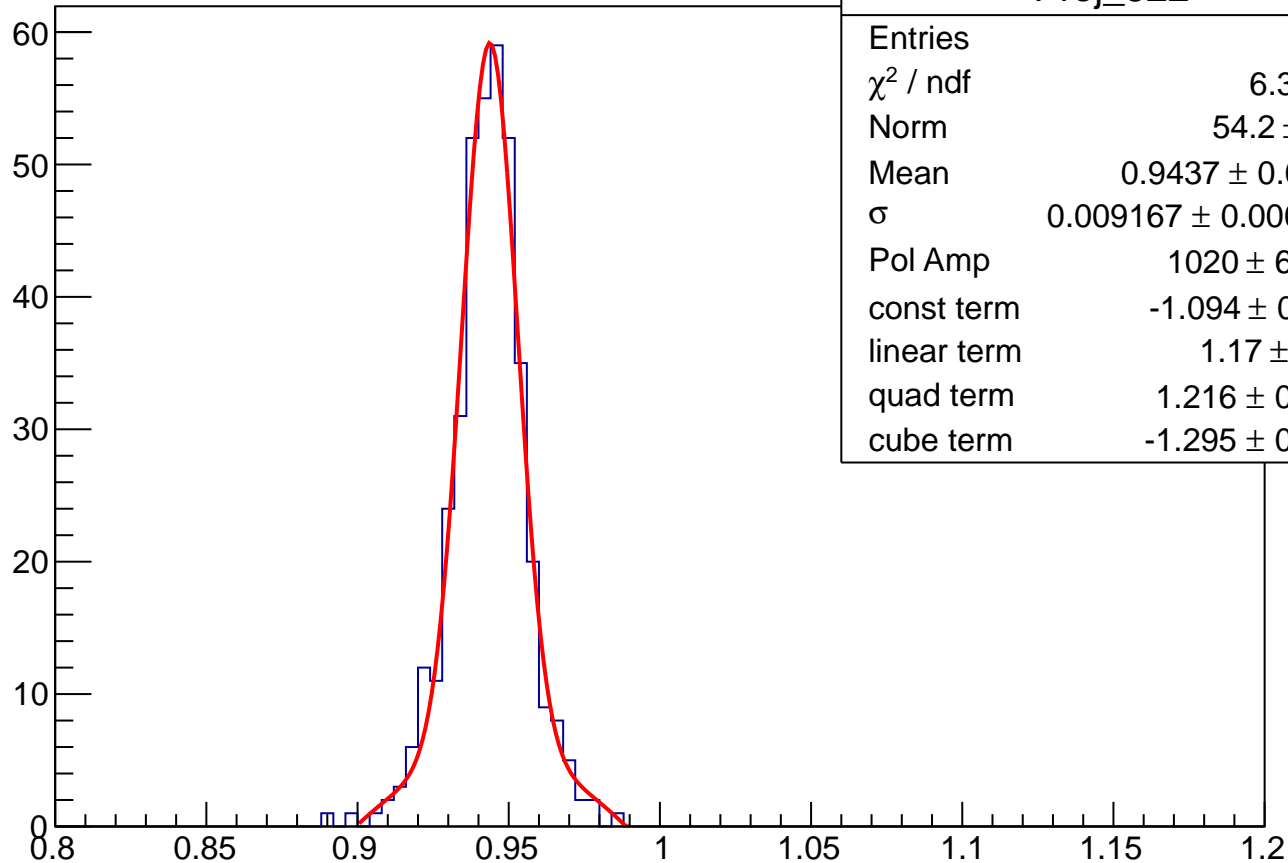
Proj_520

Entries	596
χ^2 / ndf	12.2 / 12
Norm	73.64 ± 4.83
Mean	0.936 ± 0.001
σ	0.01025 ± 0.00072
Pol Amp	887.7 ± 535.9
const term	-1.297 ± 0.007
linear term	1.395 ± 0.009
quad term	1.444 ± 0.009
cube term	-1.545 ± 0.008

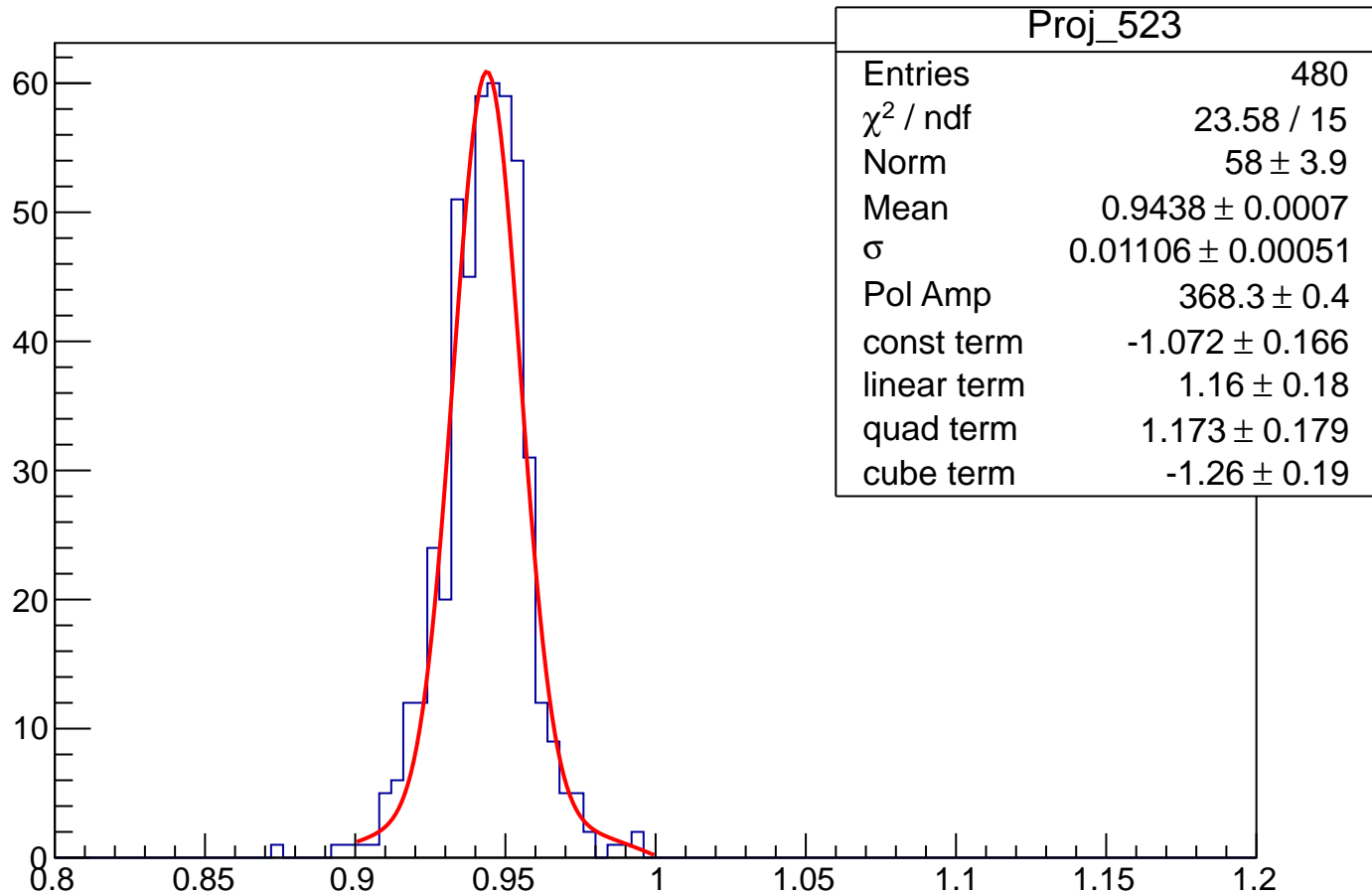
PhiThetaMassPip



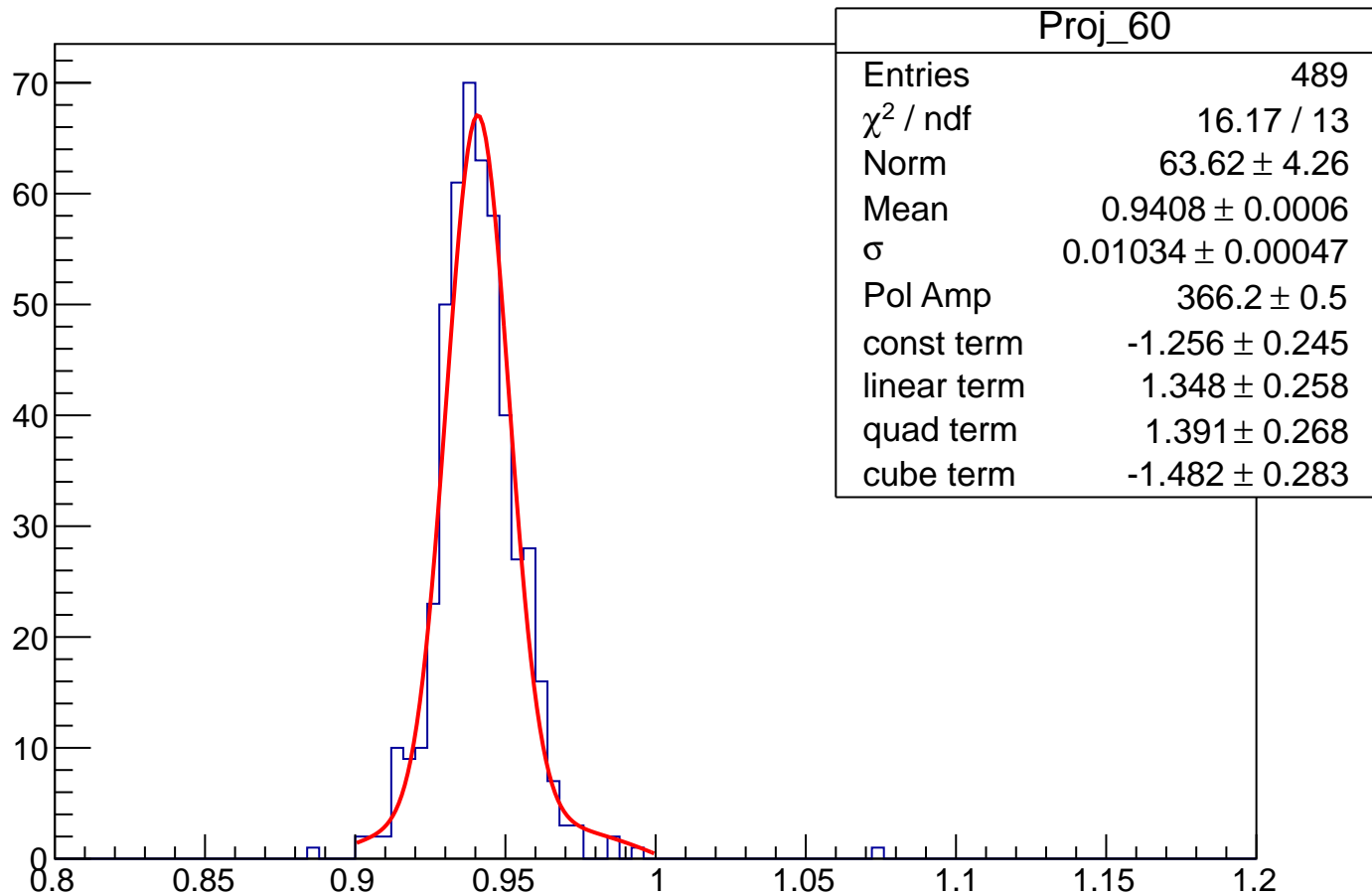
PhiThetaMassPip



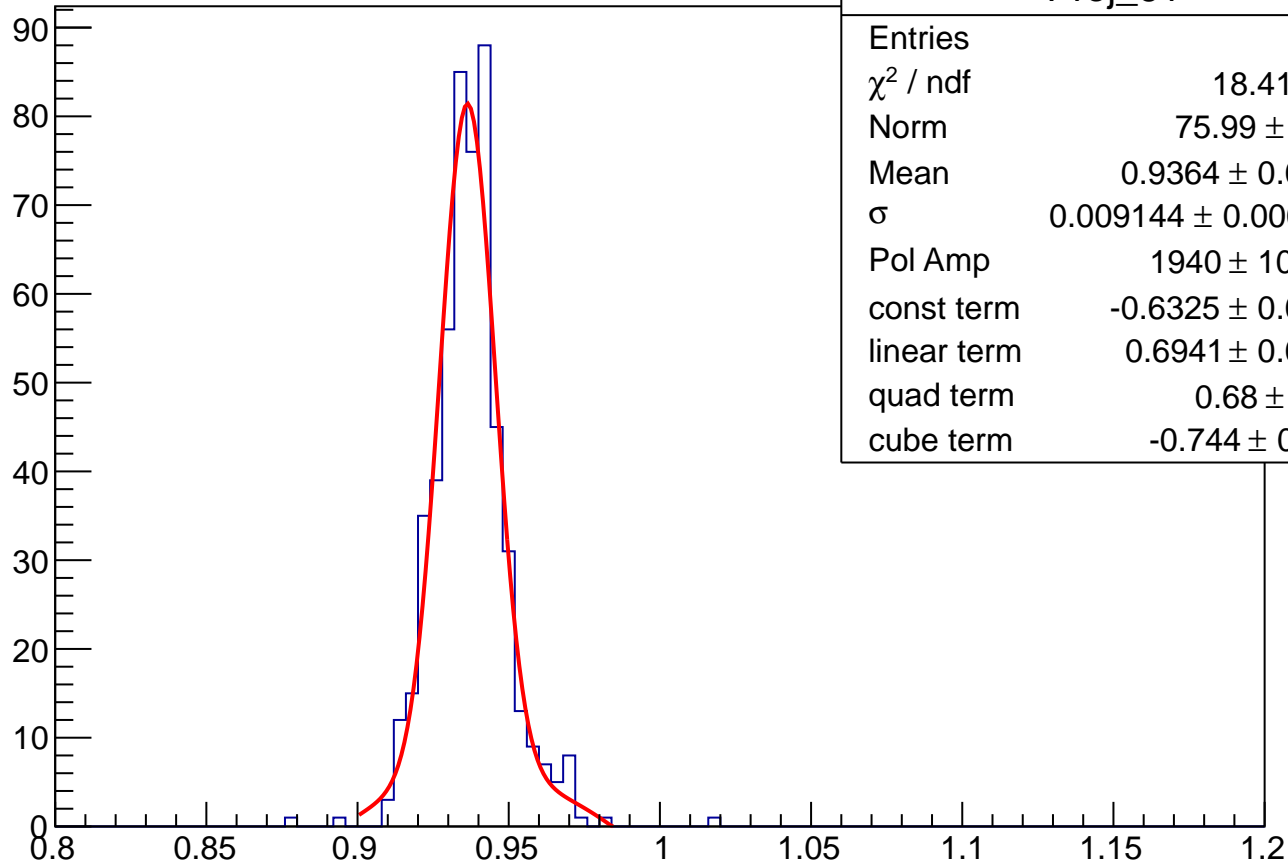
PhiThetaMassPip



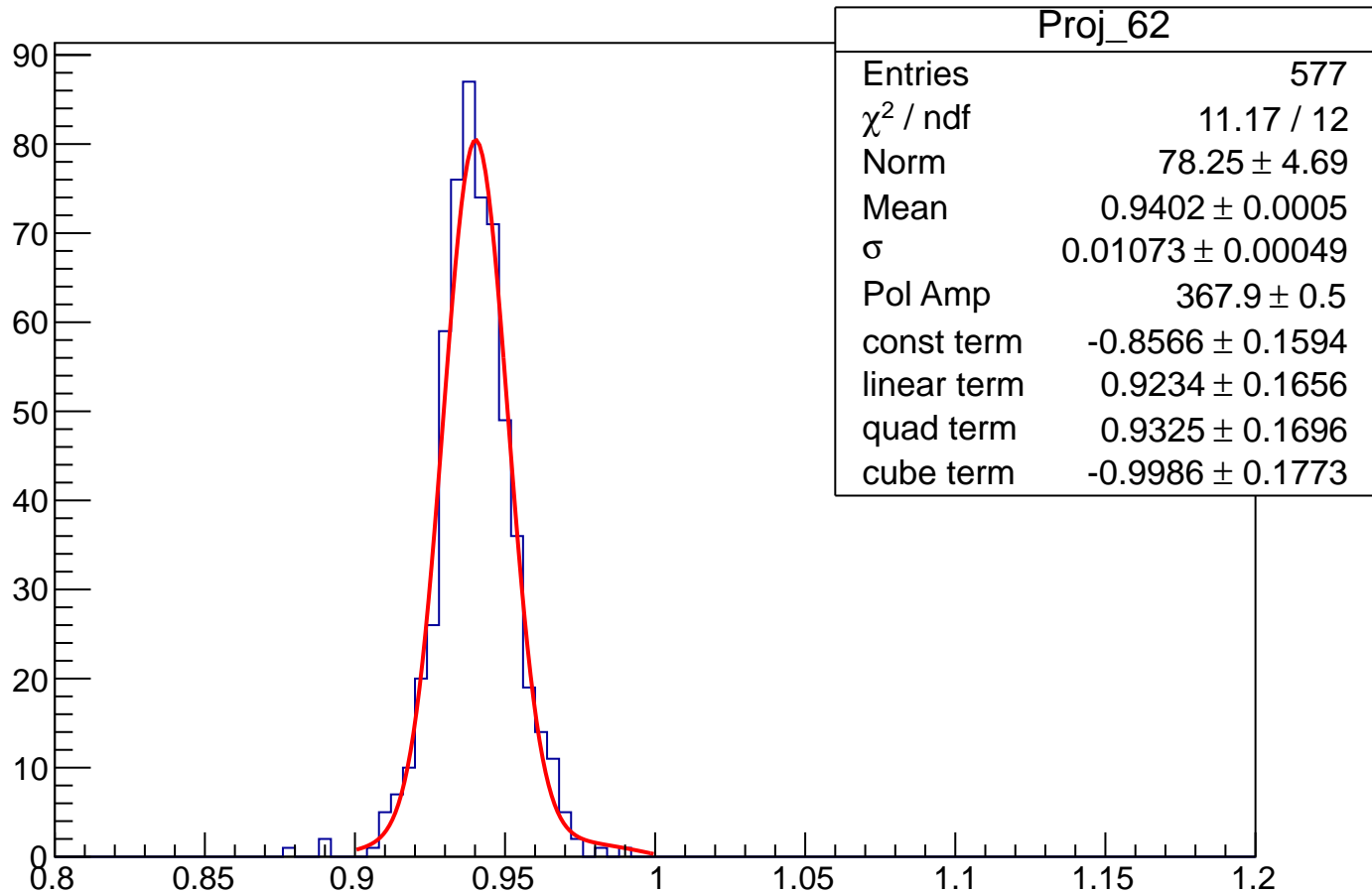
PhiThetaMassPip



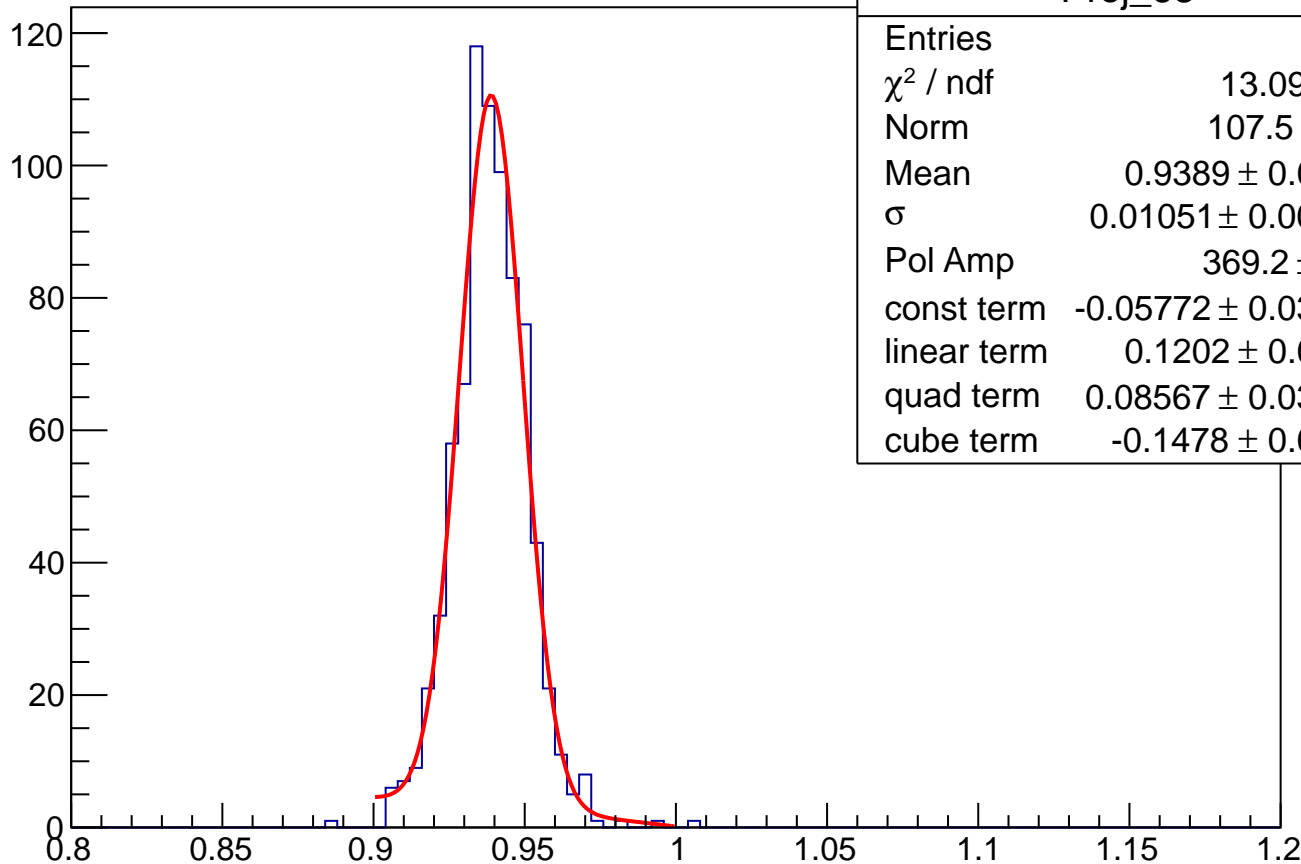
PhiThetaMassPip



PhiThetaMassPip



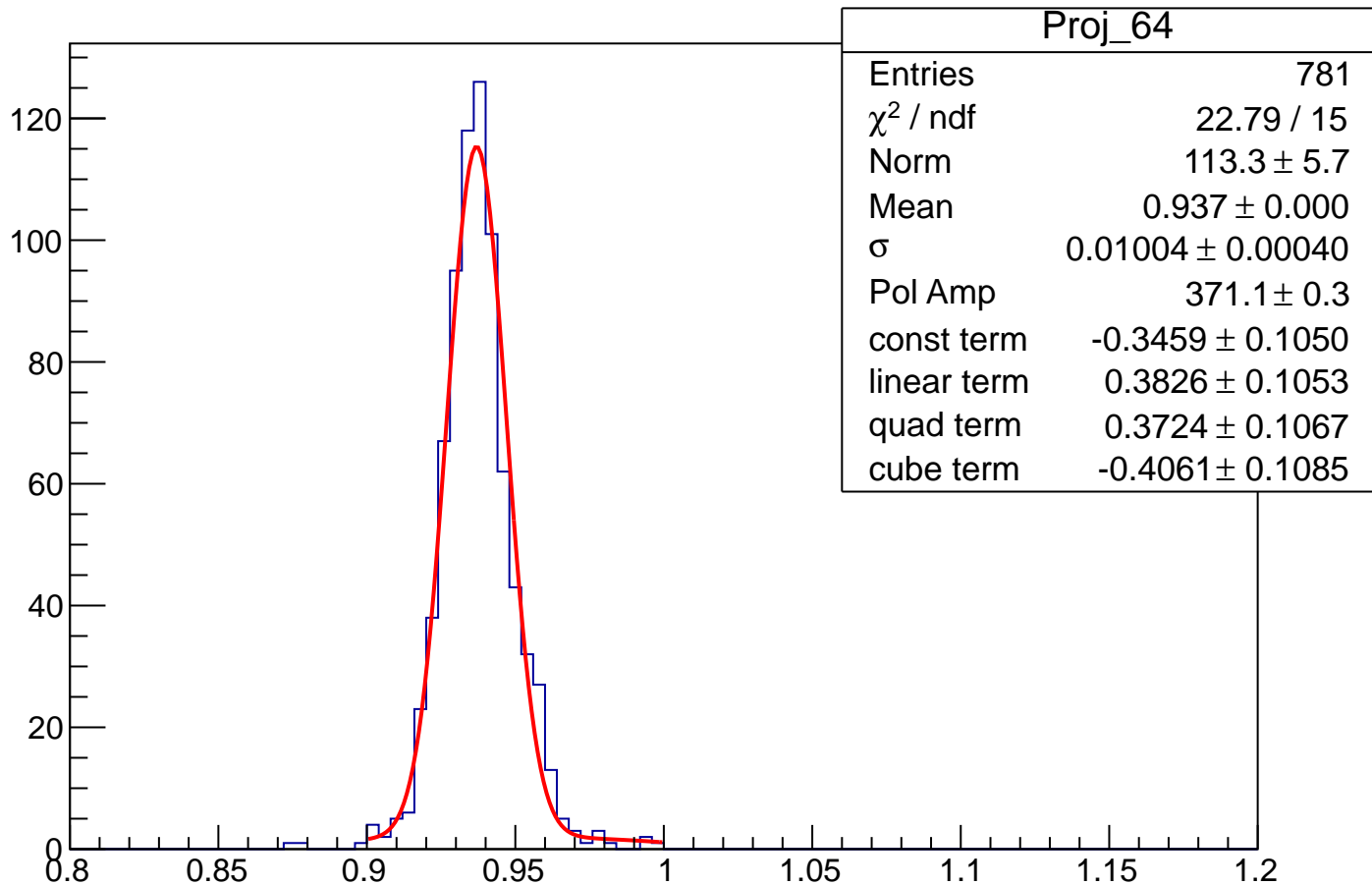
PhiThetaMassPip



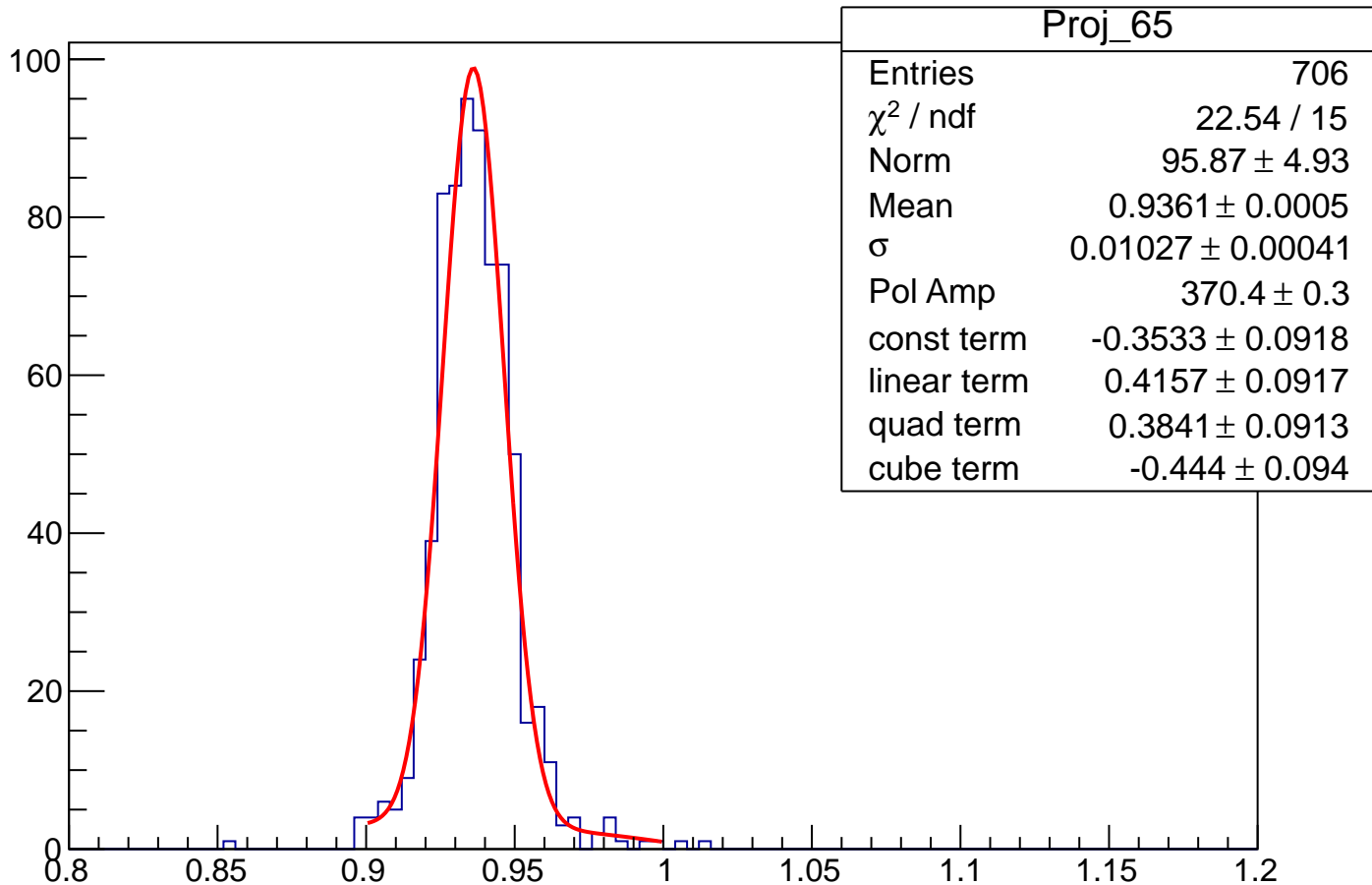
Proj_63

Entries	778
χ^2 / ndf	13.09 / 12
Norm	107.5 ± 5.1
Mean	0.9389 ± 0.0005
σ	0.01051 ± 0.00043
Pol Amp	369.2 ± 0.4
const term	-0.05772 ± 0.03677
linear term	0.1202 ± 0.0340
quad term	0.08567 ± 0.03253
cube term	-0.1478 ± 0.0424

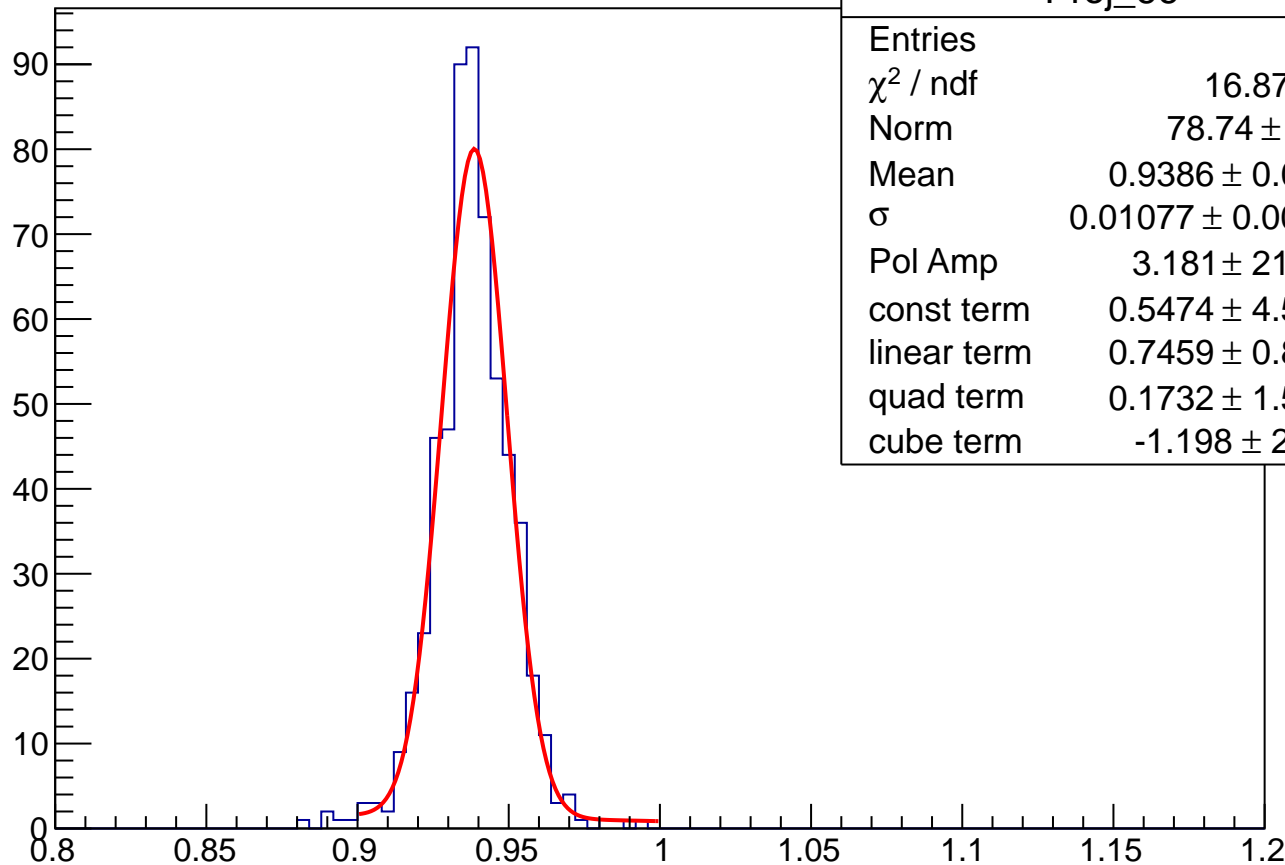
PhiThetaMassPip



PhiThetaMassPip



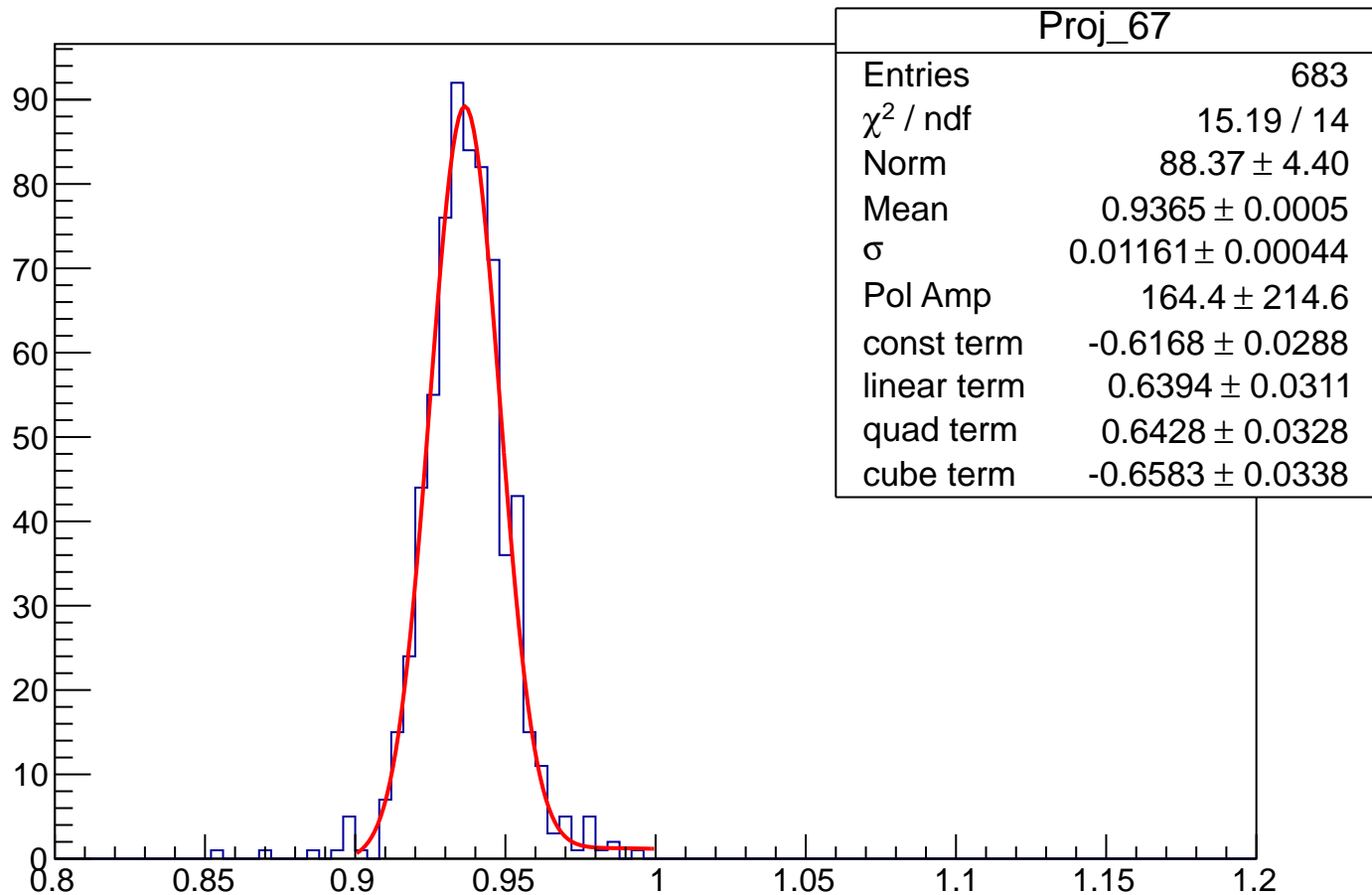
PhiThetaMassPip



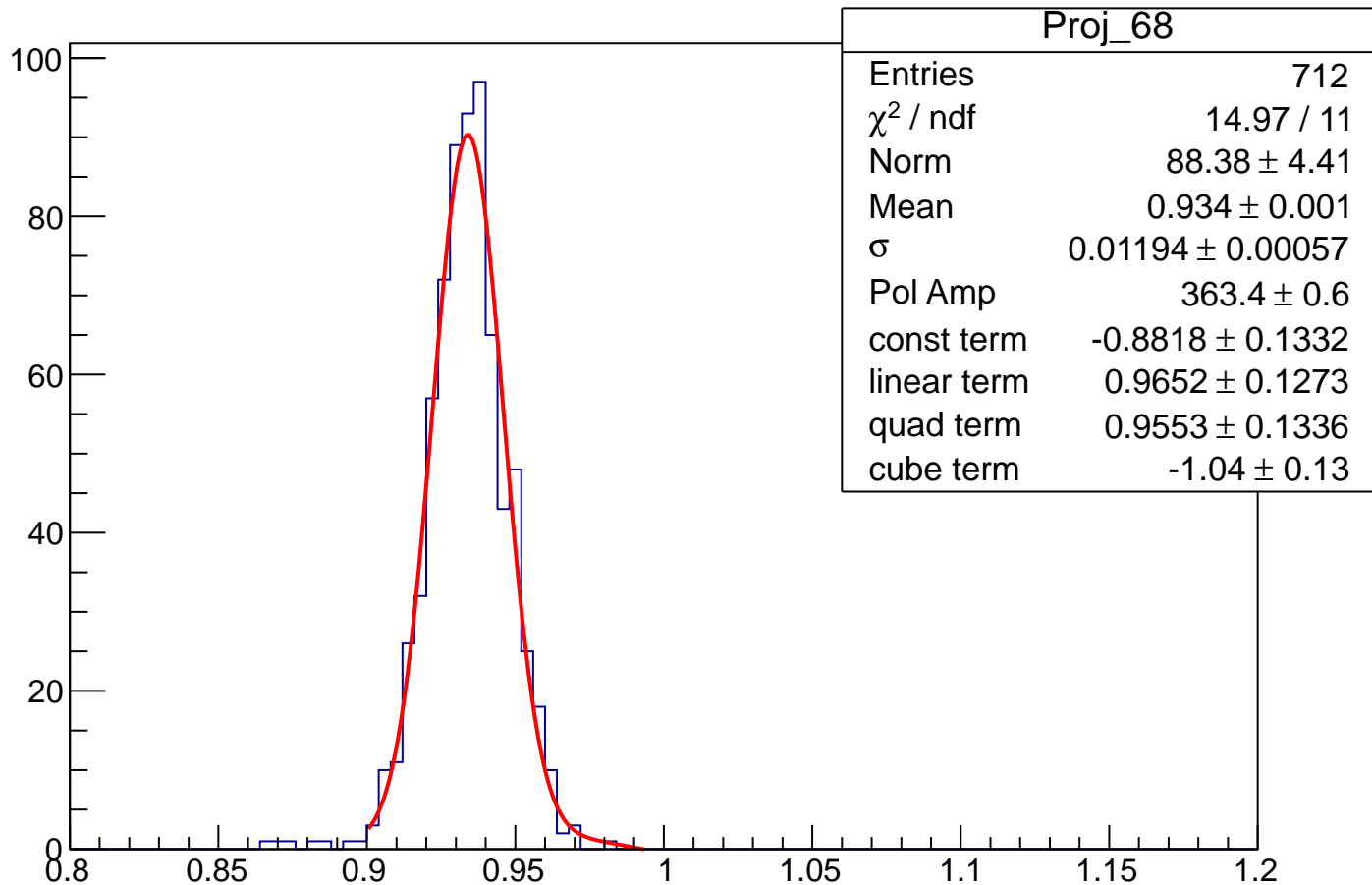
Proj_66

Entries	581
χ^2 / ndf	16.87 / 14
Norm	78.74 ± 4.33
Mean	0.9386 ± 0.0005
σ	0.01077 ± 0.00046
Pol Amp	3.181 ± 21.190
const term	0.5474 ± 4.5090
linear term	0.7459 ± 0.8273
quad term	0.1732 ± 1.5986
cube term	-1.198 ± 2.690

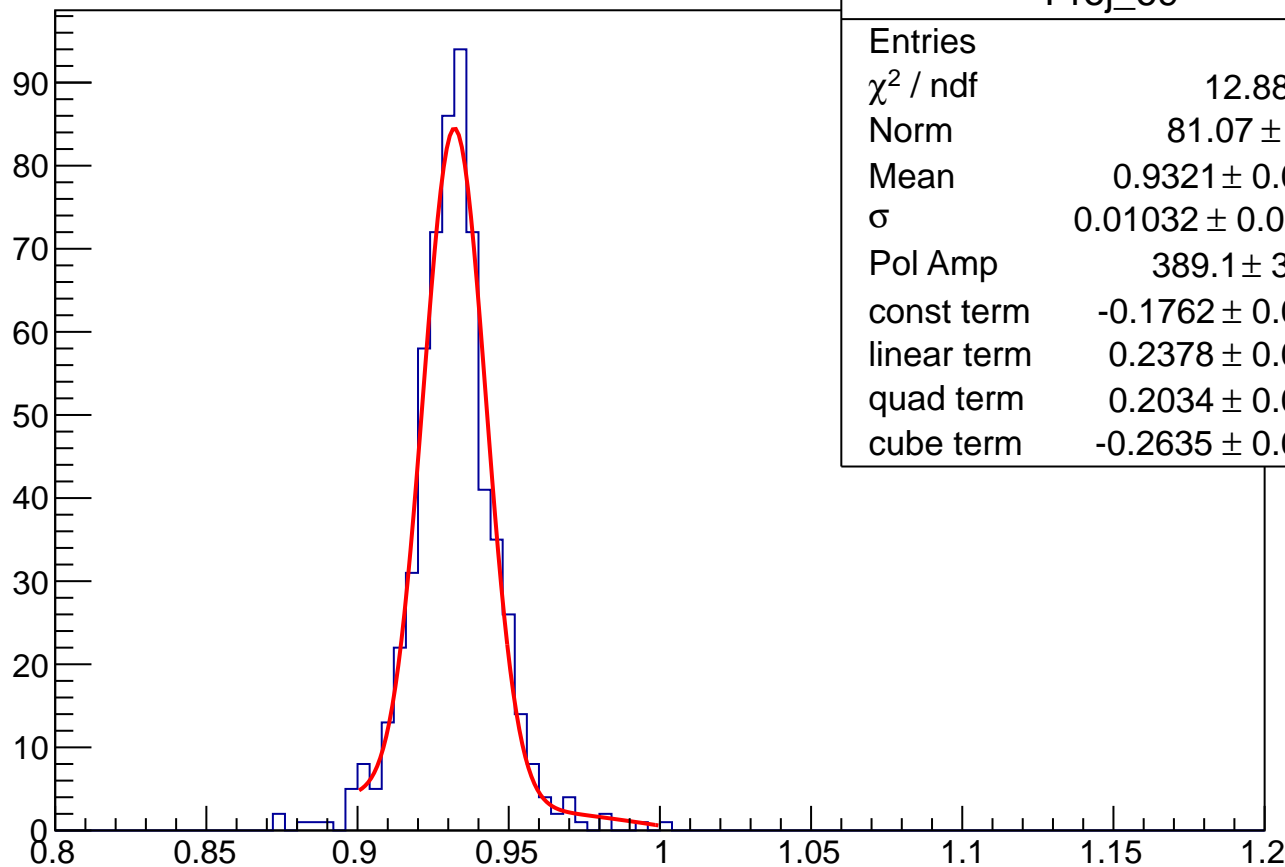
PhiThetaMassPip



PhiThetaMassPip



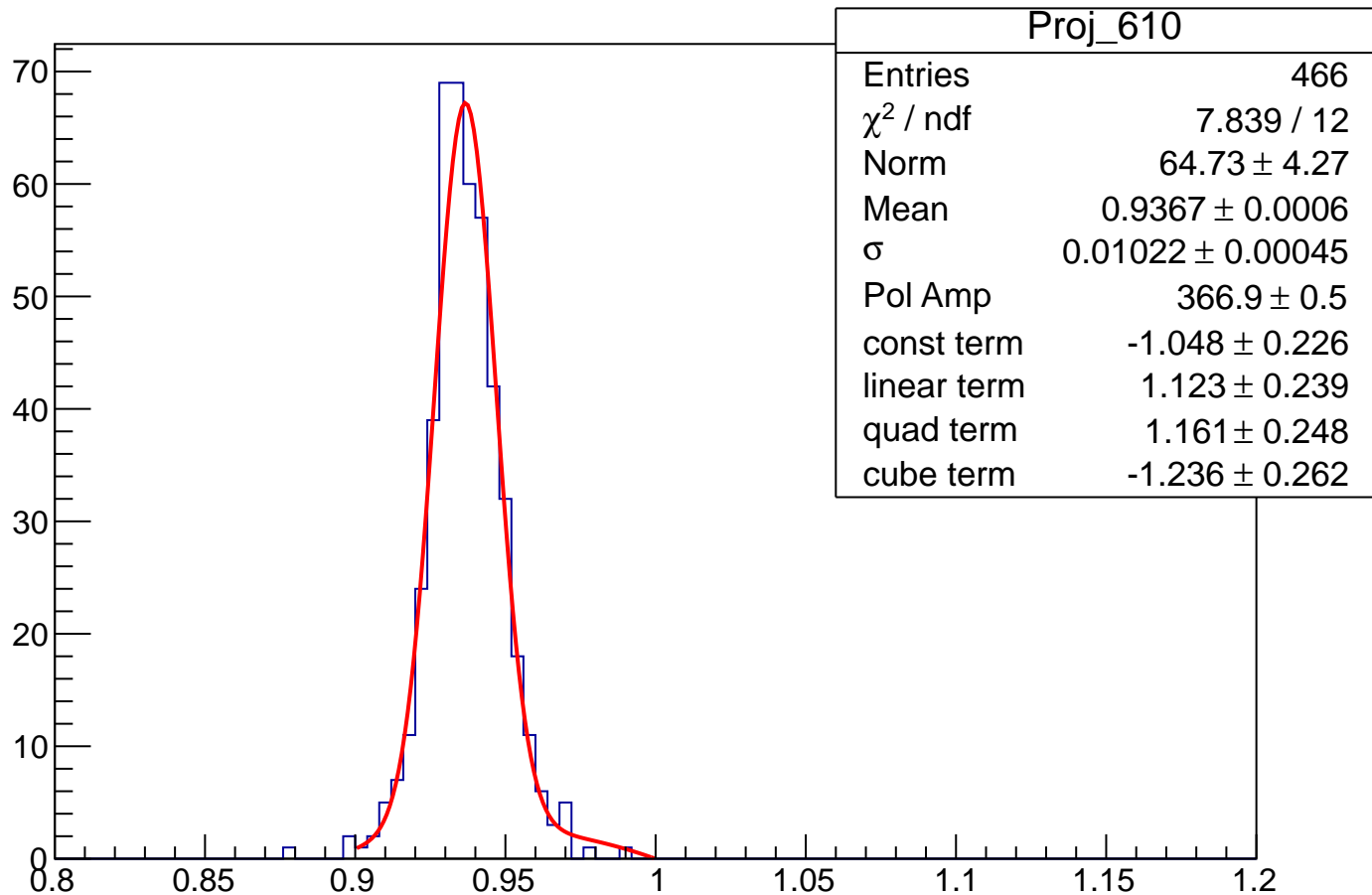
PhiThetaMassPip



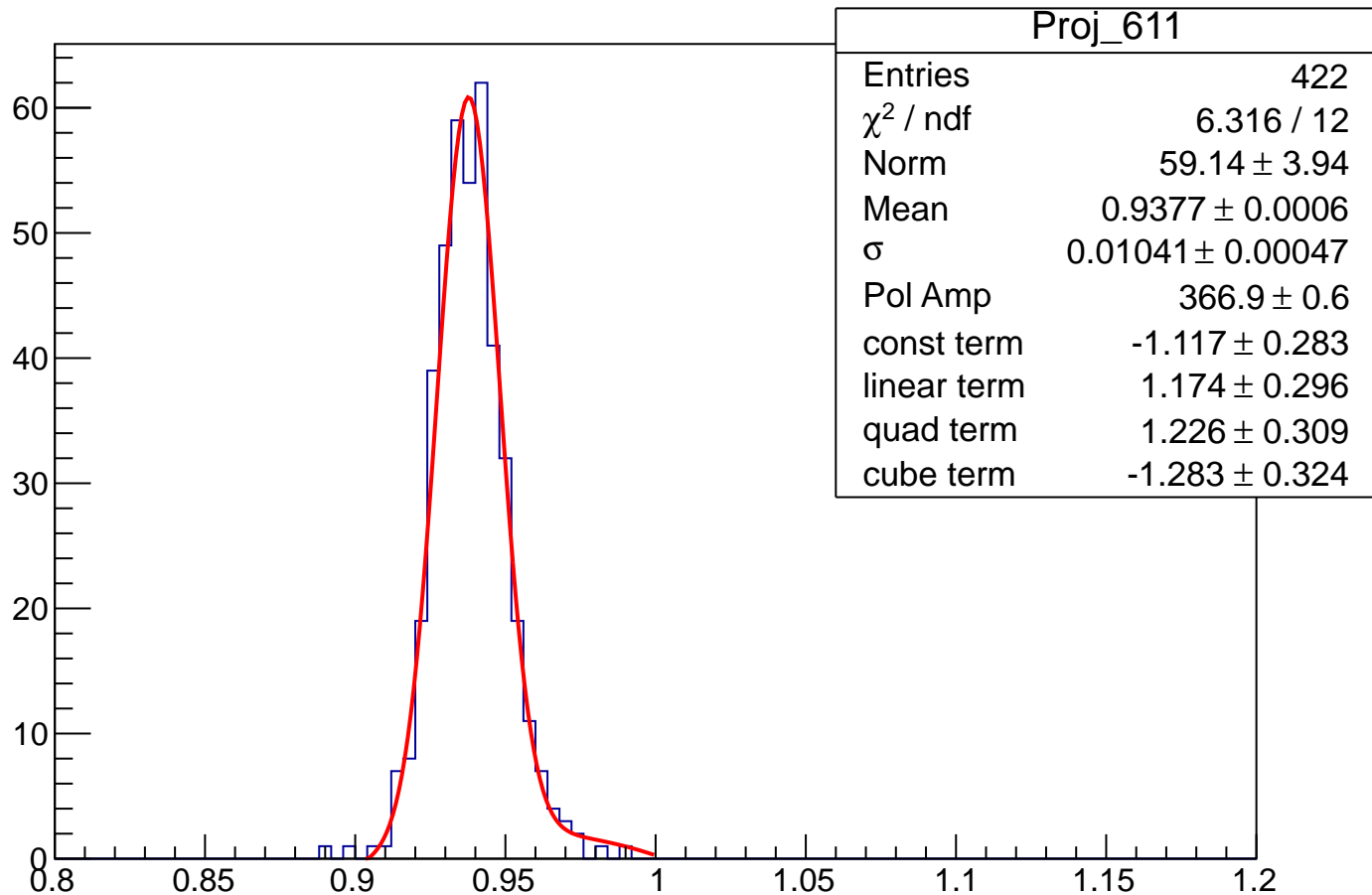
Proj_69

Entries	610
χ^2 / ndf	12.88 / 13
Norm	81.07 ± 4.76
Mean	0.9321 ± 0.0005
σ	0.01032 ± 0.00061
Pol Amp	389.1 ± 304.2
const term	-0.1762 ± 0.0150
linear term	0.2378 ± 0.0153
quad term	0.2034 ± 0.0156
cube term	-0.2635 ± 0.0157

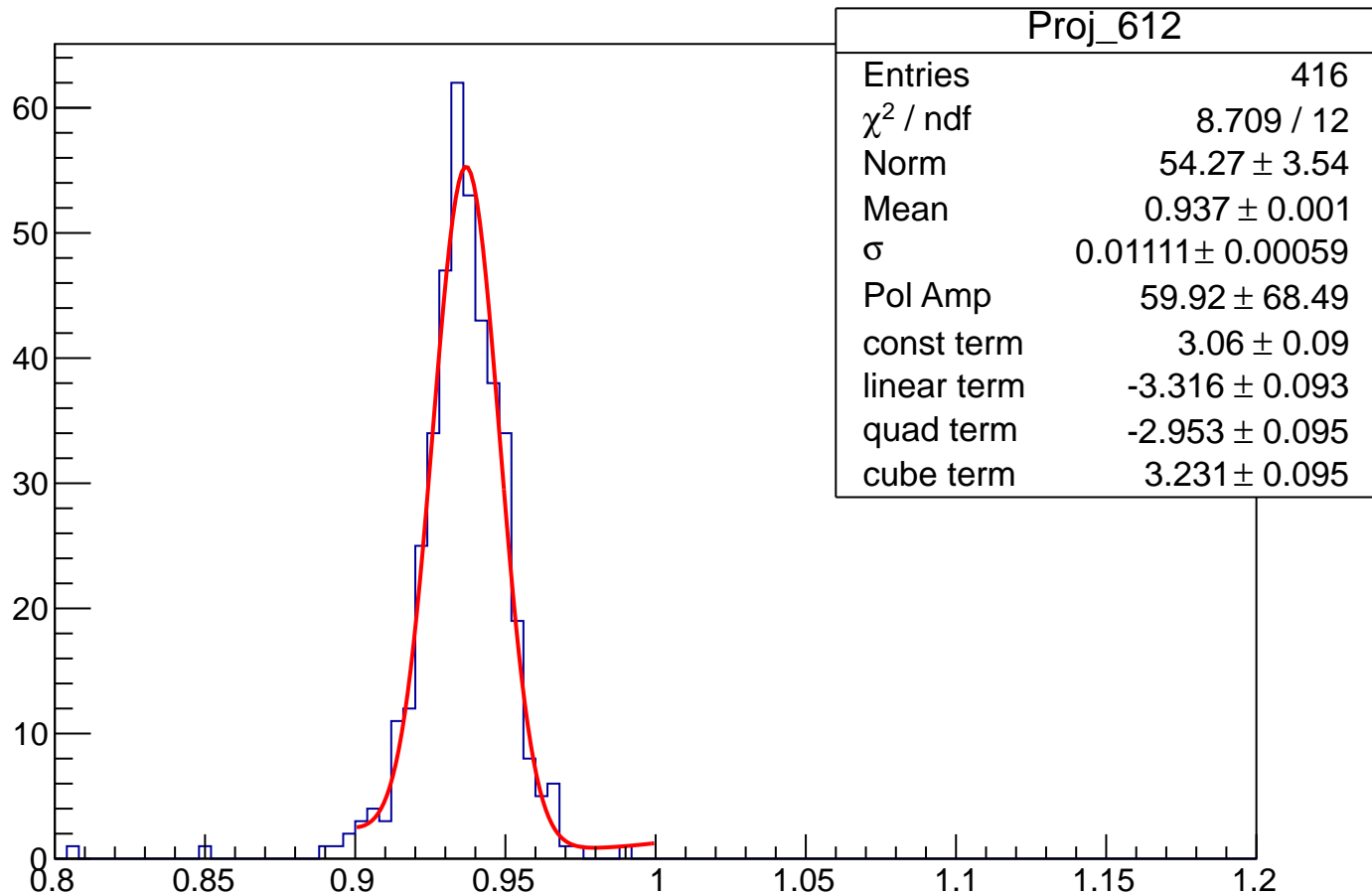
PhiThetaMassPip



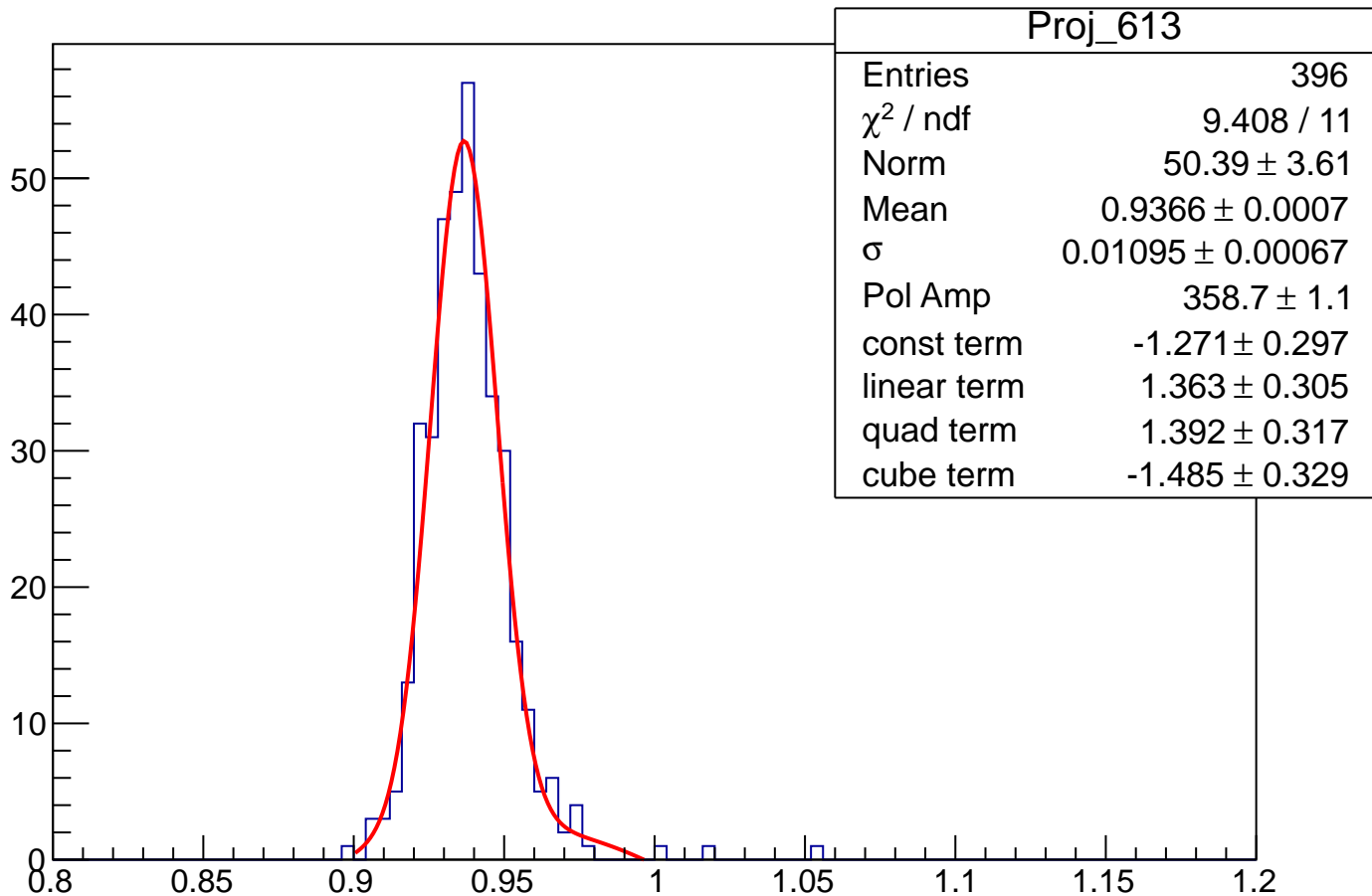
PhiThetaMassPip



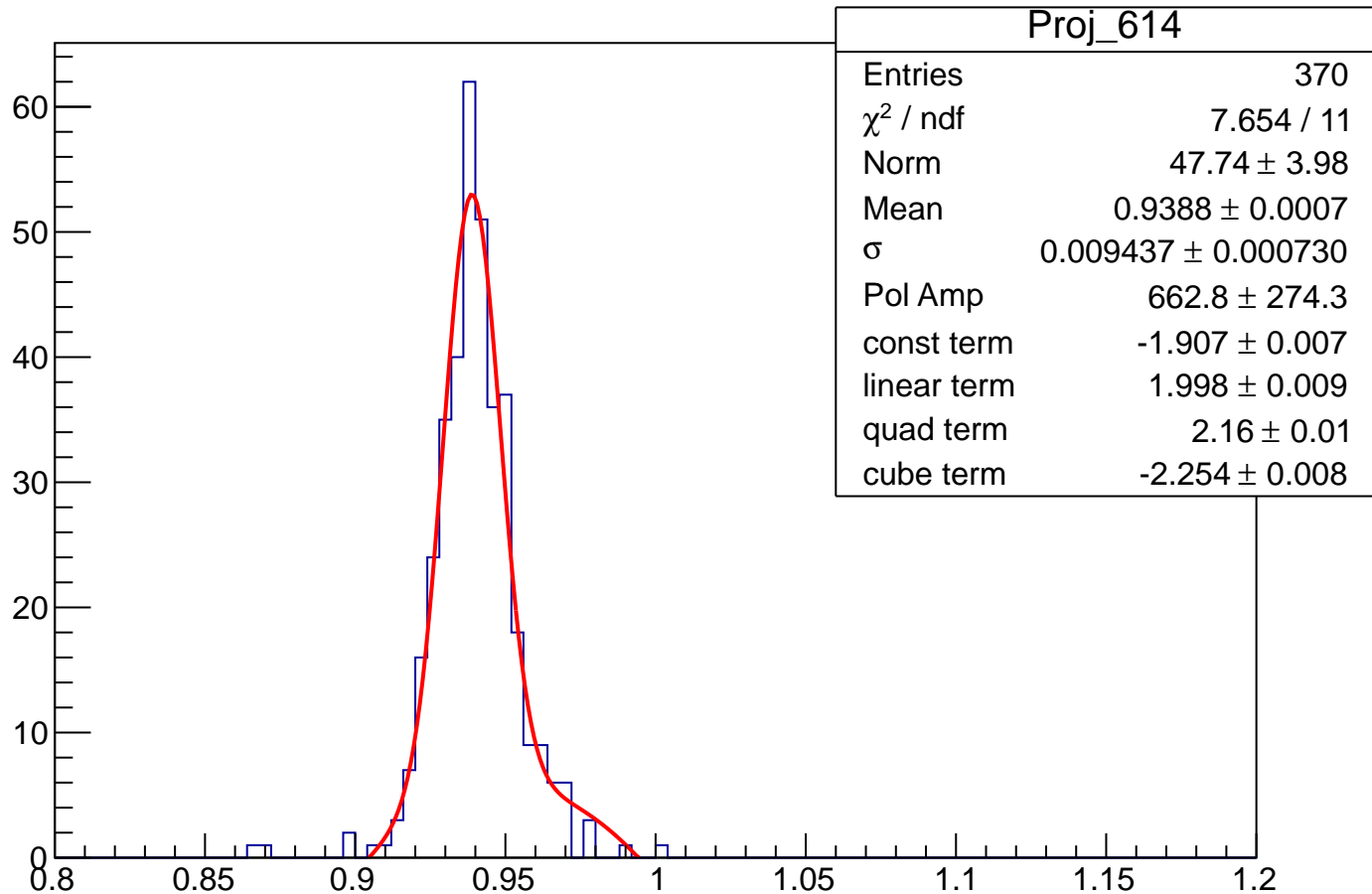
PhiThetaMassPip



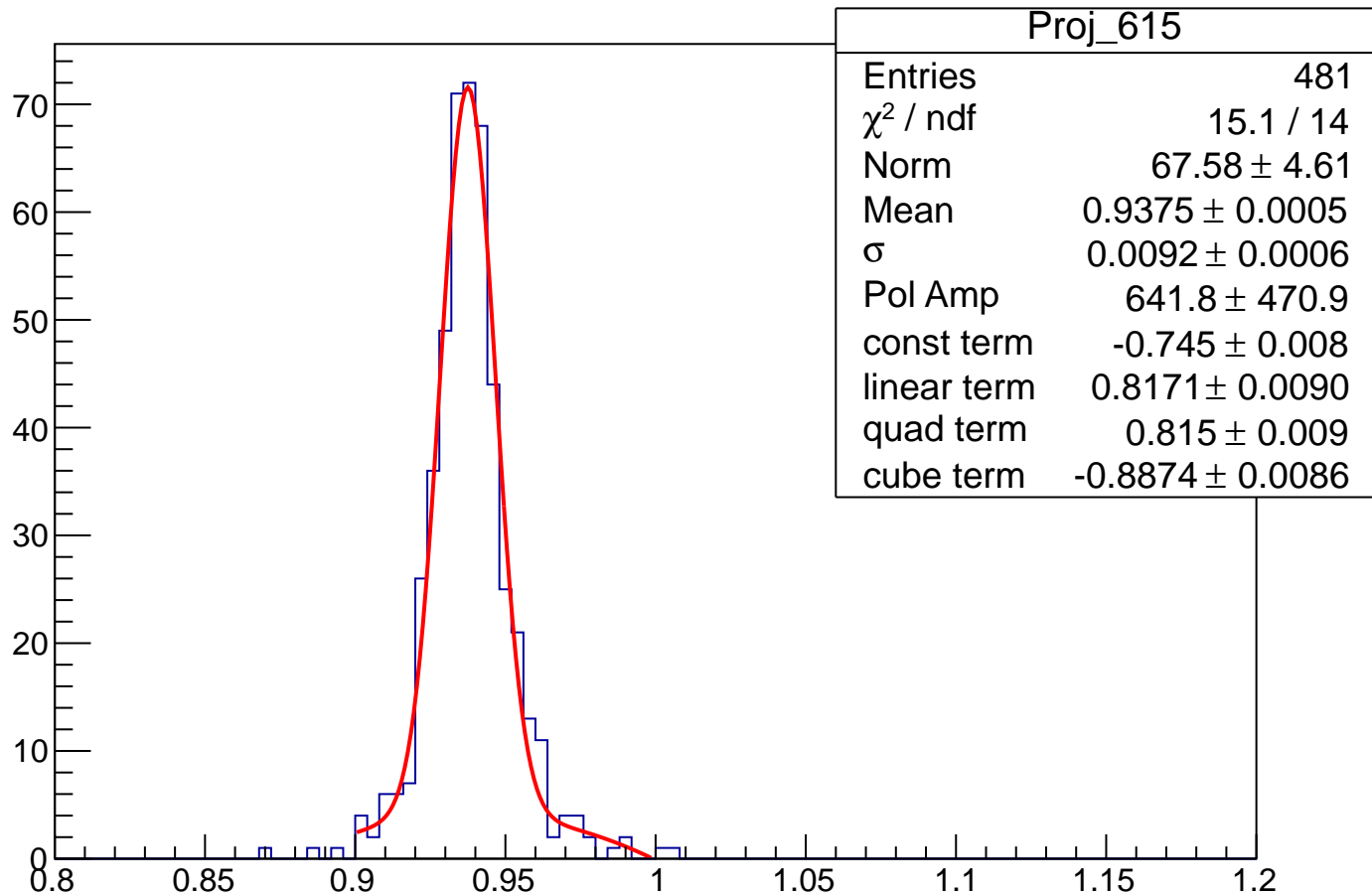
PhiThetaMassPip



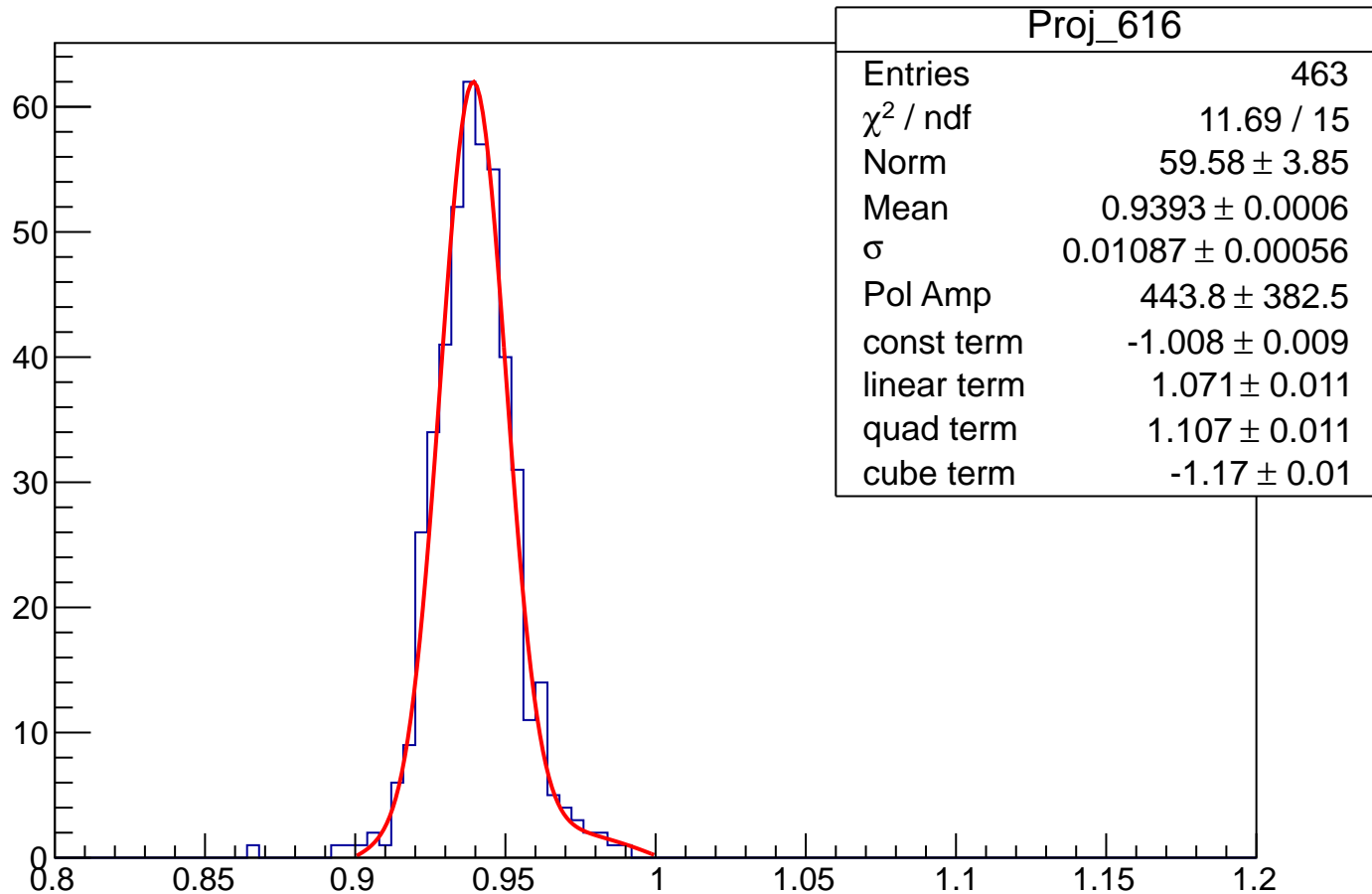
PhiThetaMassPip



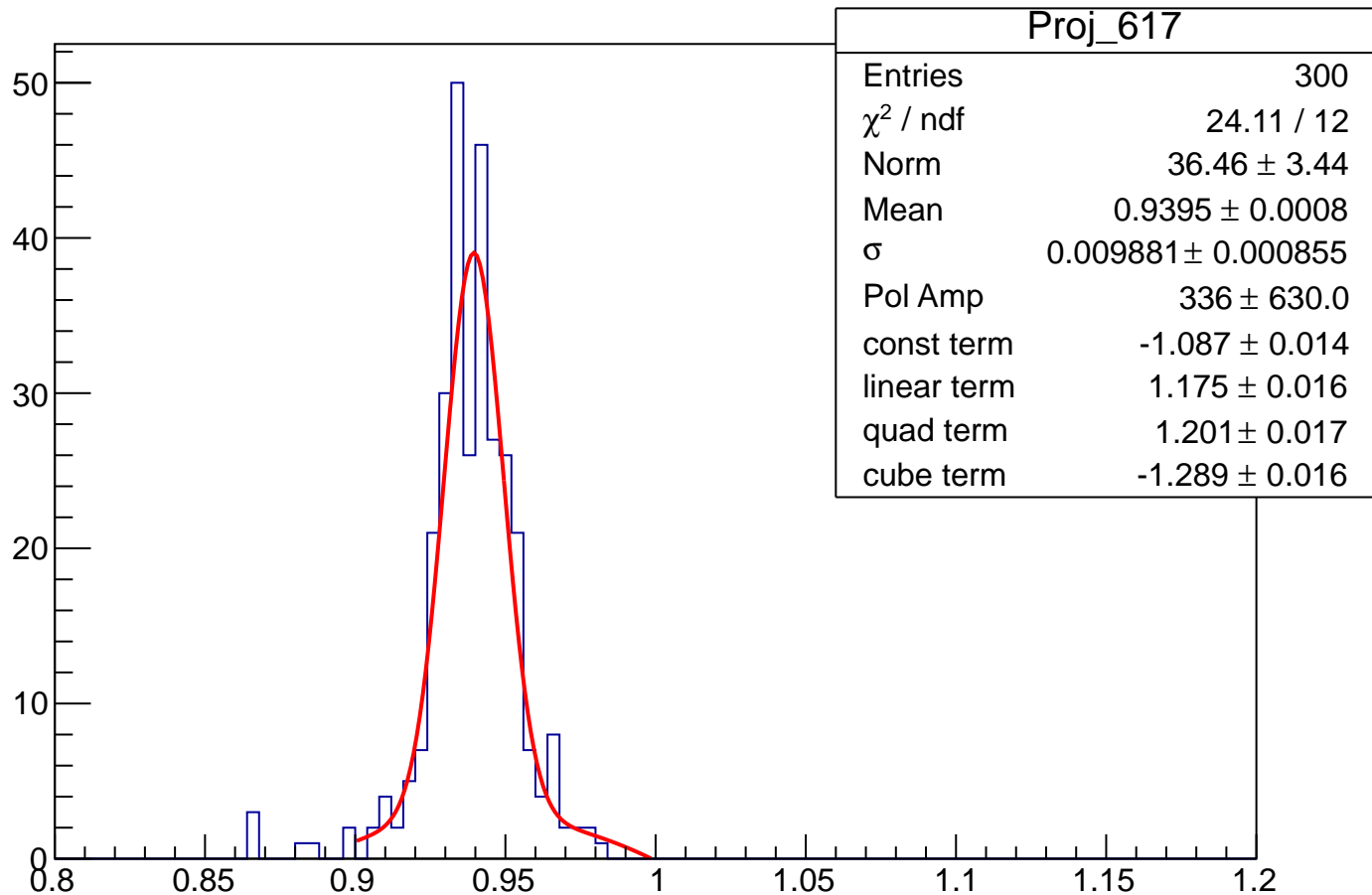
PhiThetaMassPip



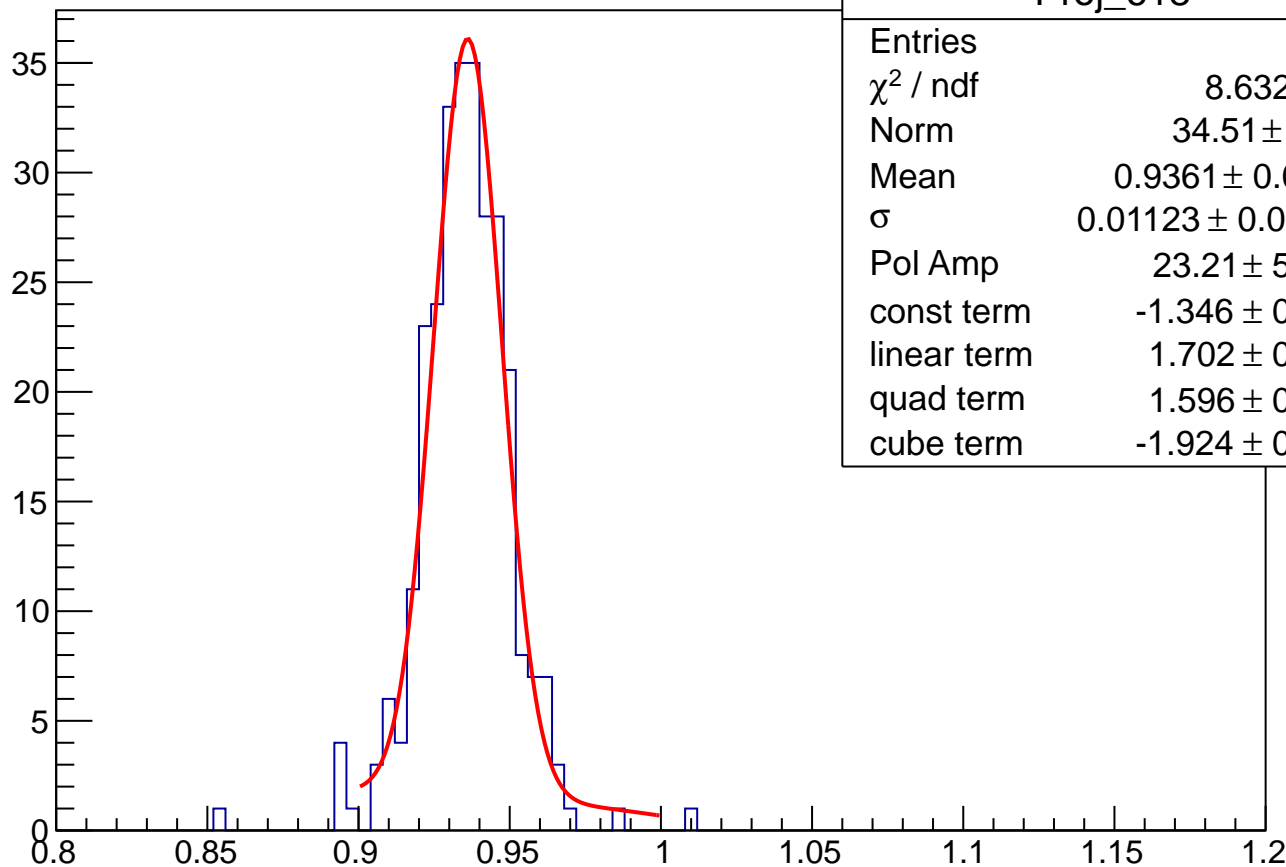
PhiThetaMassPip



PhiThetaMassPip



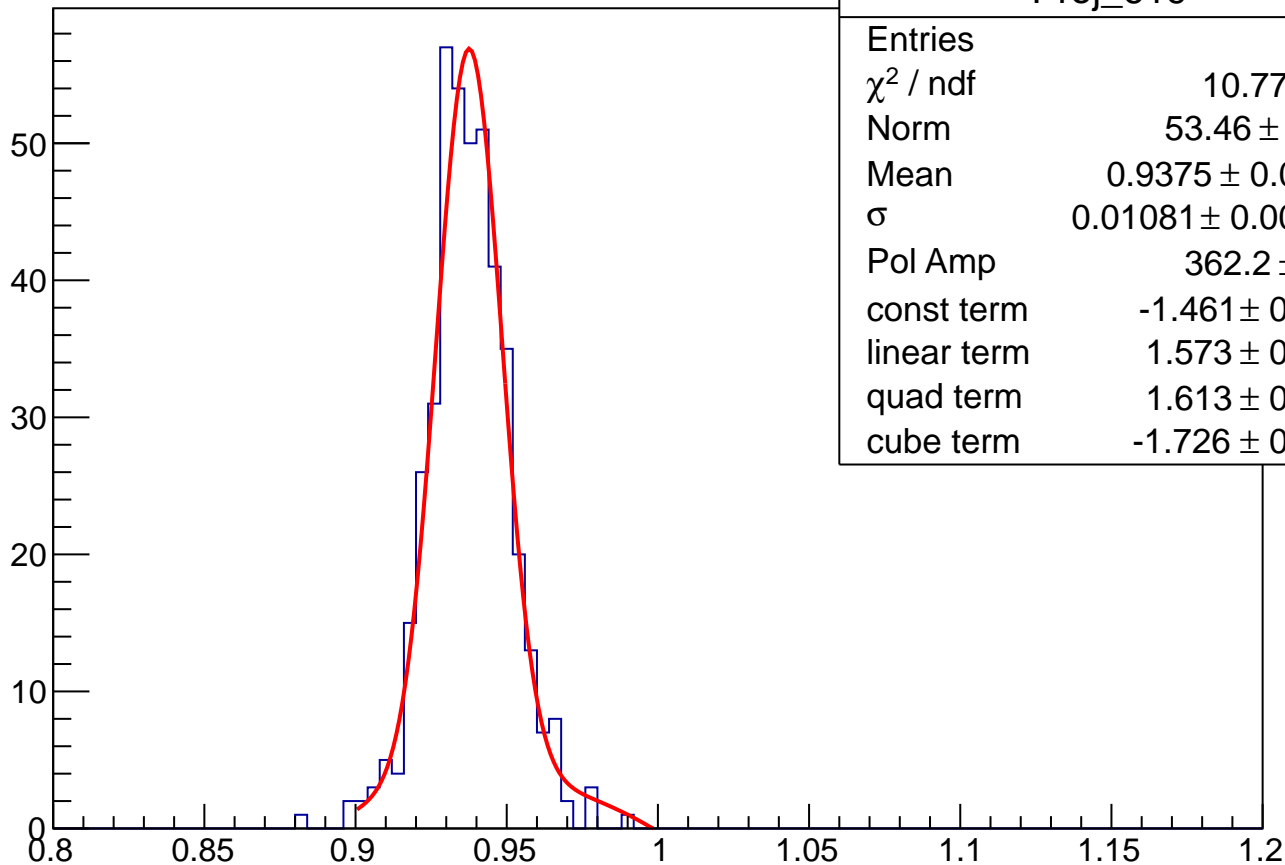
PhiThetaMassPip



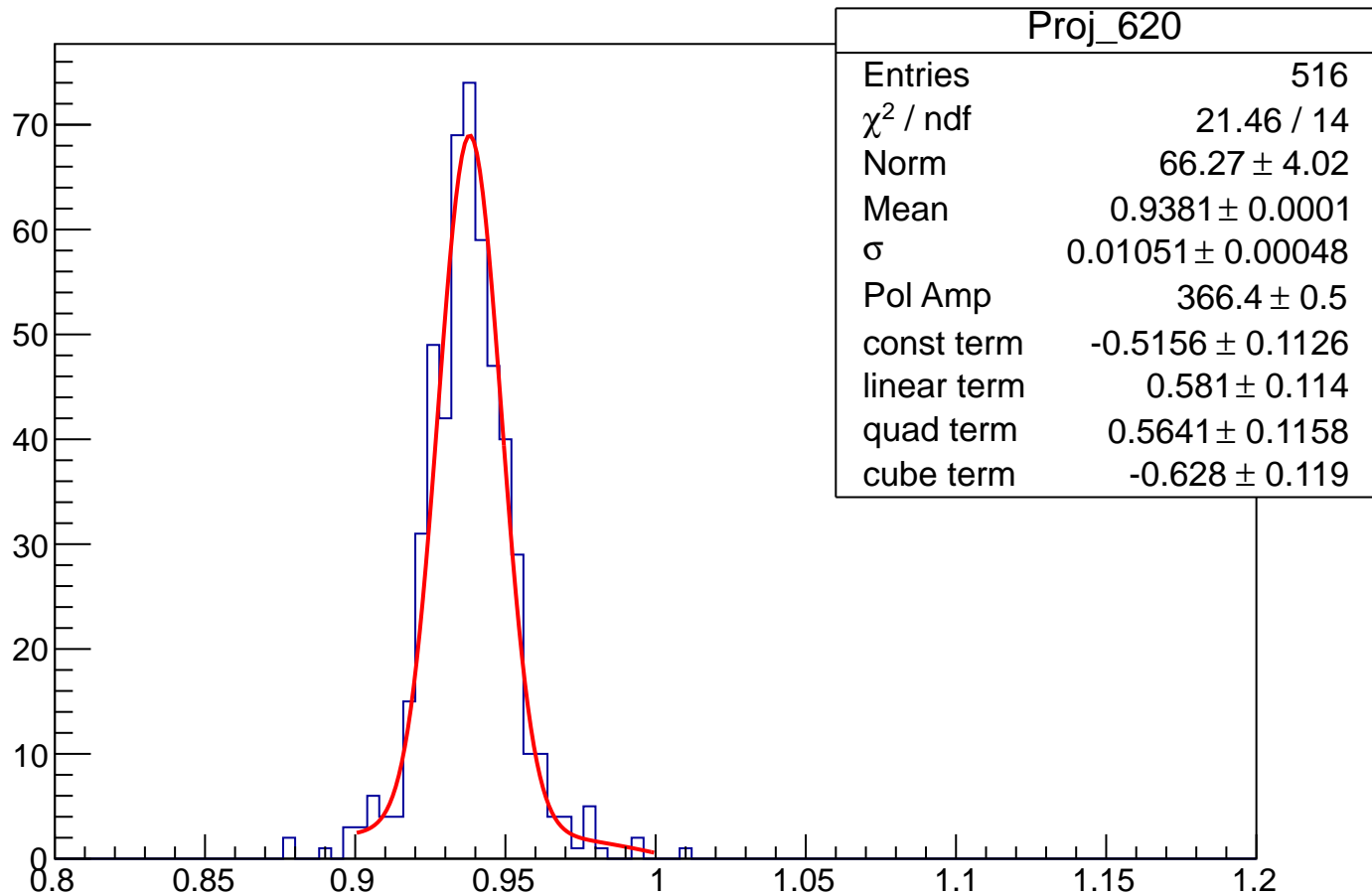
Proj_618

Entries	285
χ^2 / ndf	8.632 / 10
Norm	34.51 ± 2.94
Mean	0.9361 ± 0.0009
σ	0.01123 ± 0.00101
Pol Amp	23.21 ± 54.15
const term	-1.346 ± 0.256
linear term	1.702 ± 0.263
quad term	1.596 ± 0.266
cube term	-1.924 ± 0.266

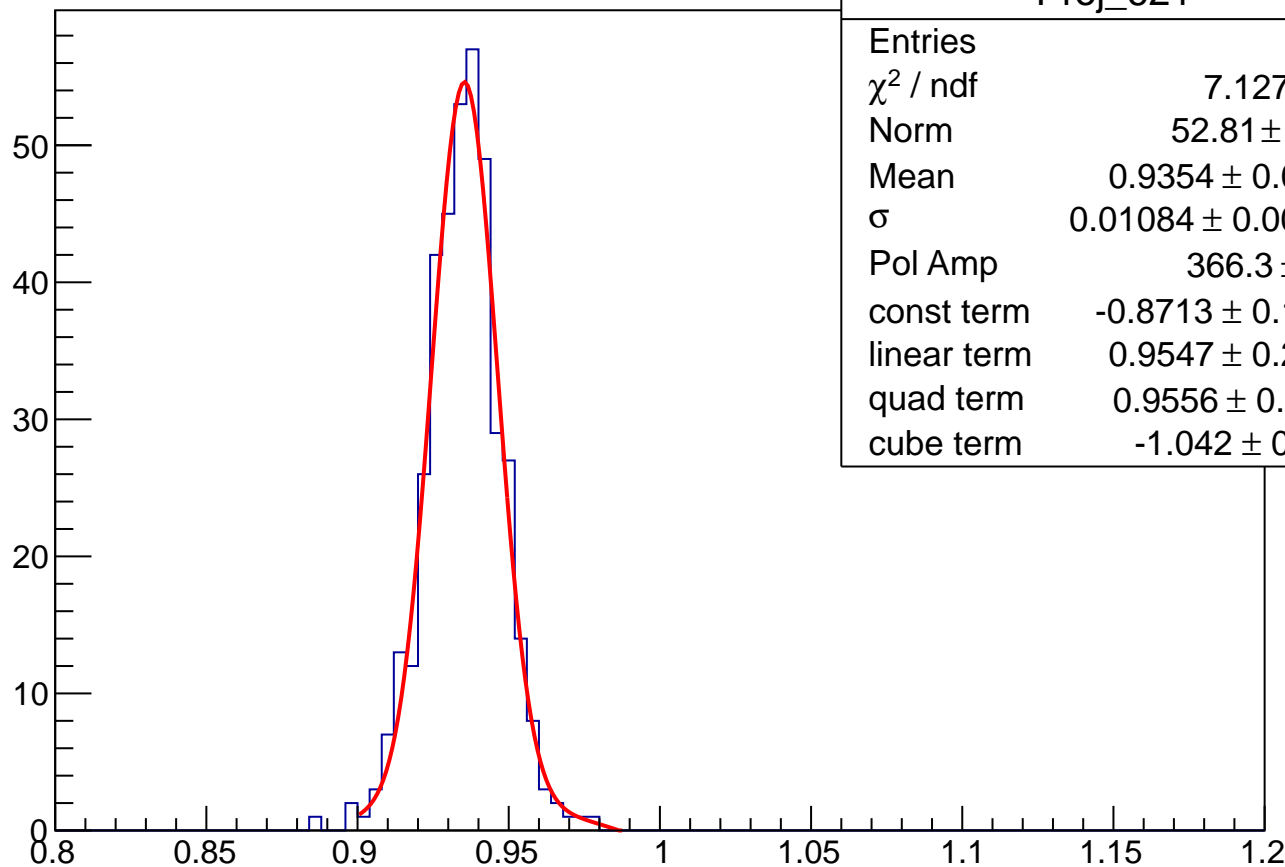
PhiThetaMassPip



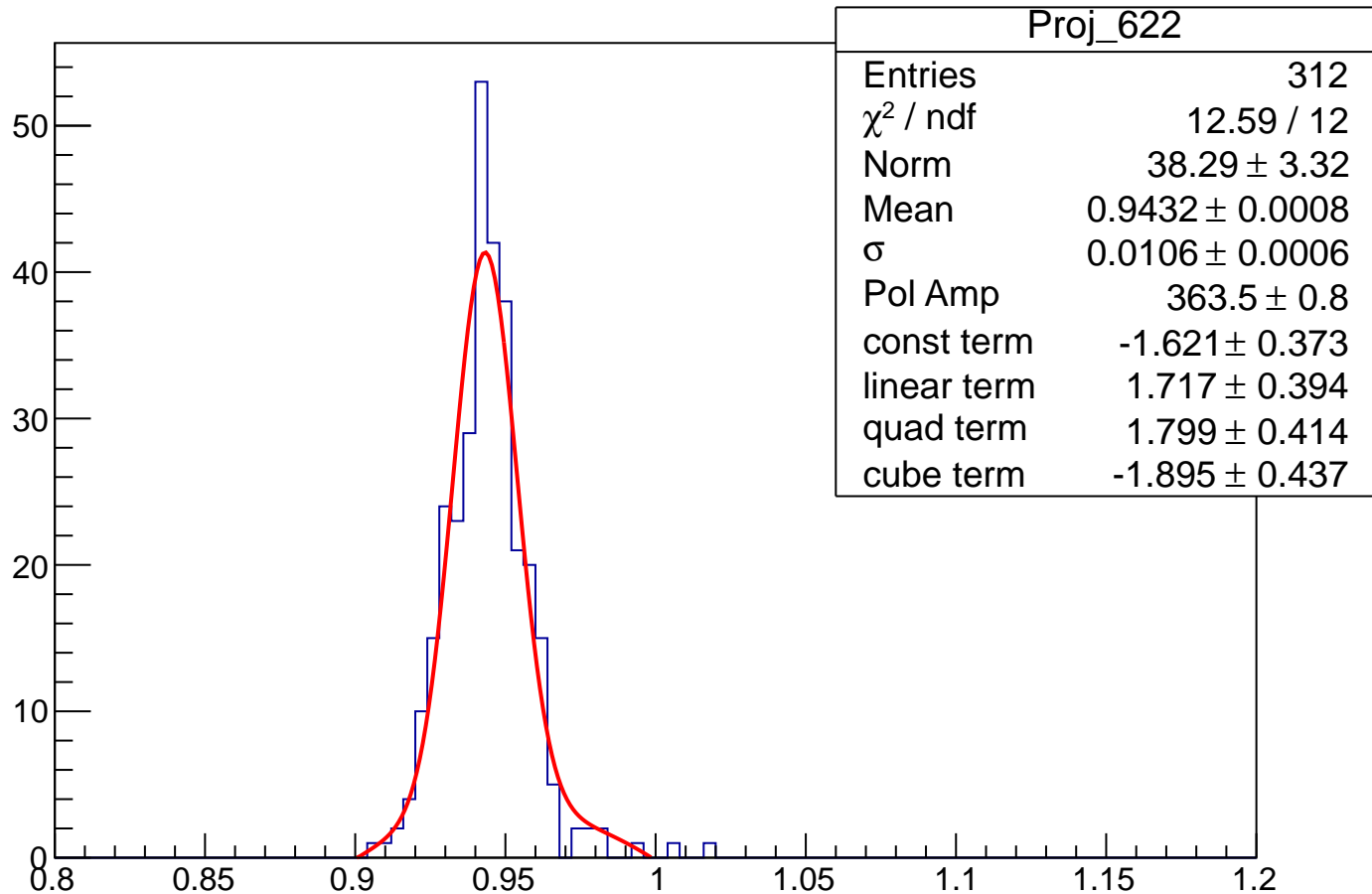
PhiThetaMassPip



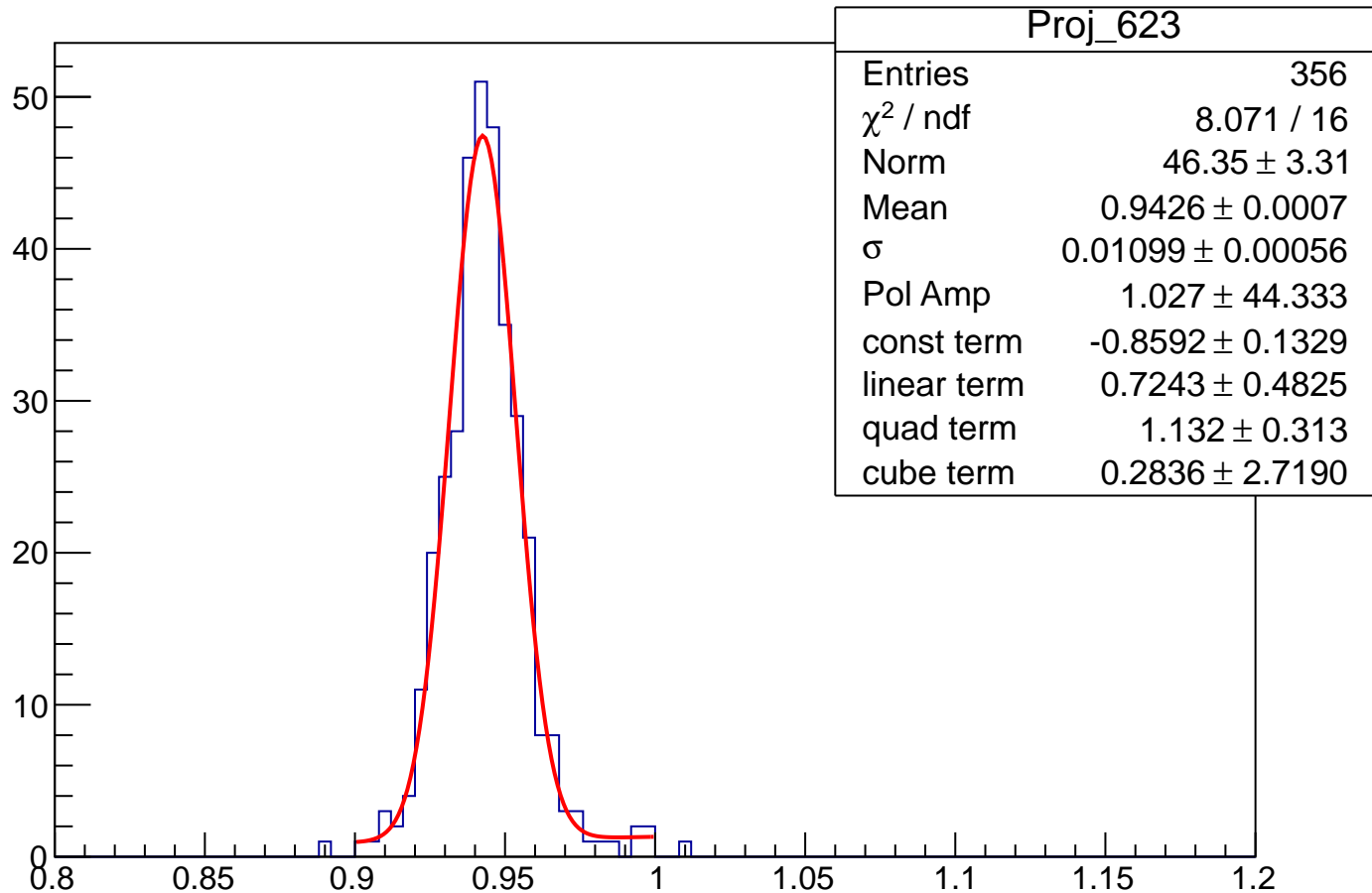
PhiThetaMassPip



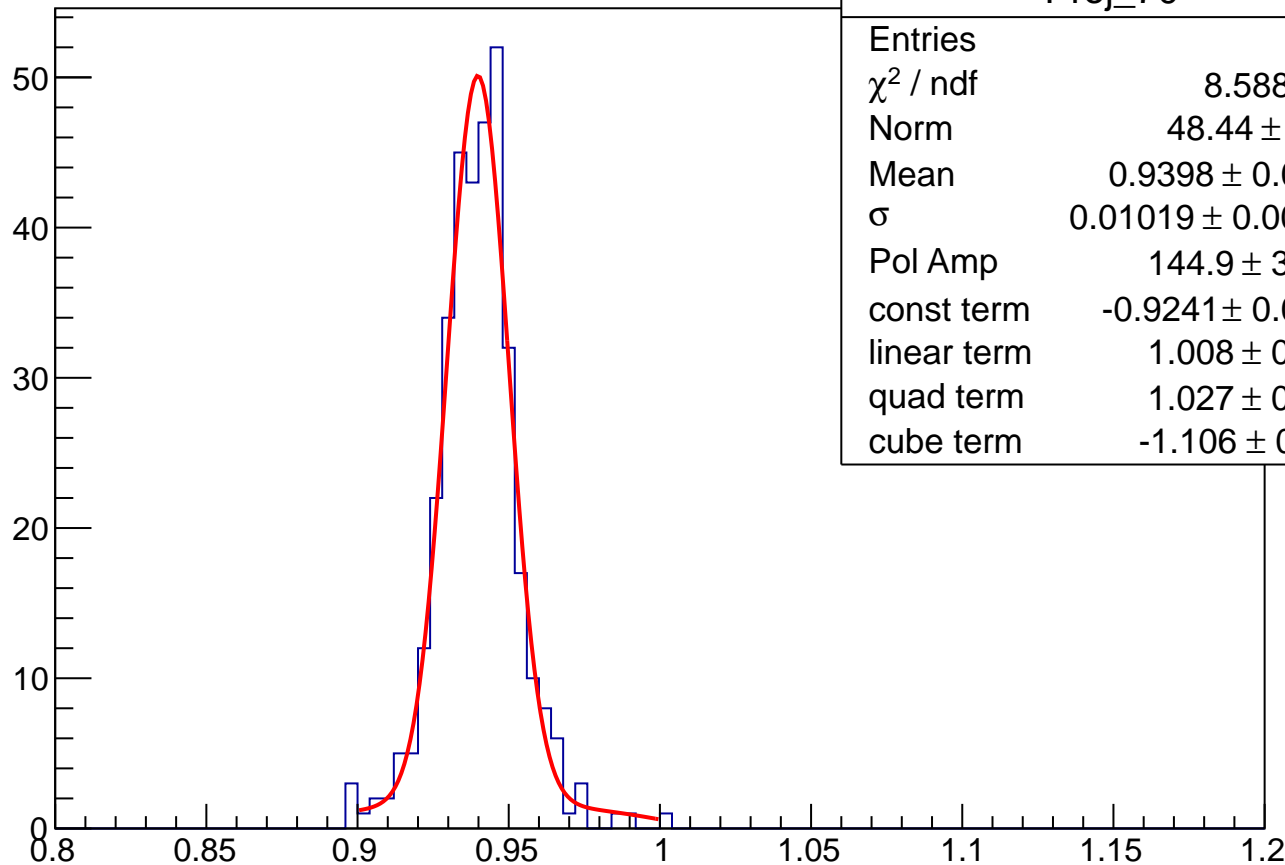
PhiThetaMassPip



PhiThetaMassPip



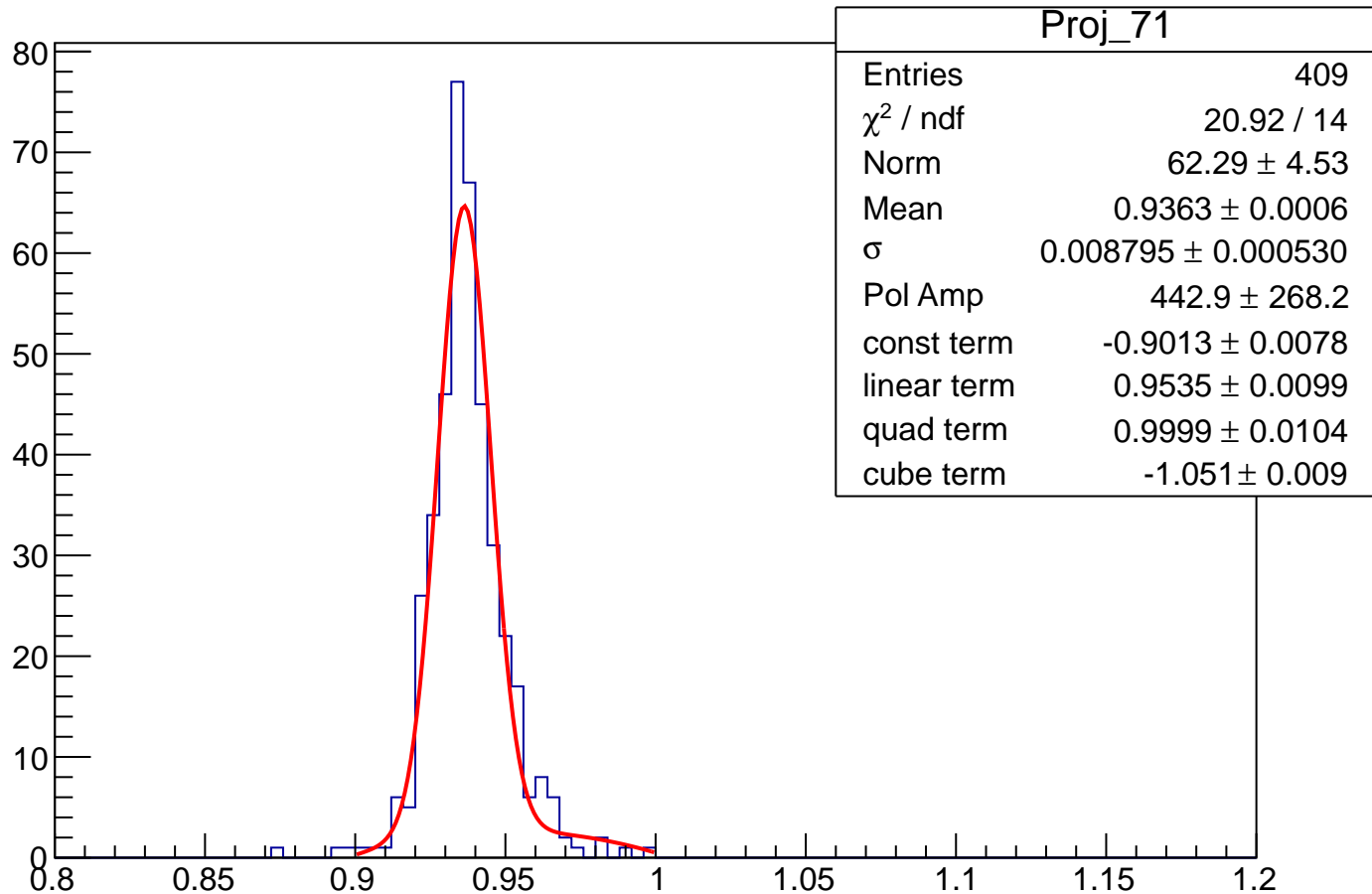
PhiThetaMassPip



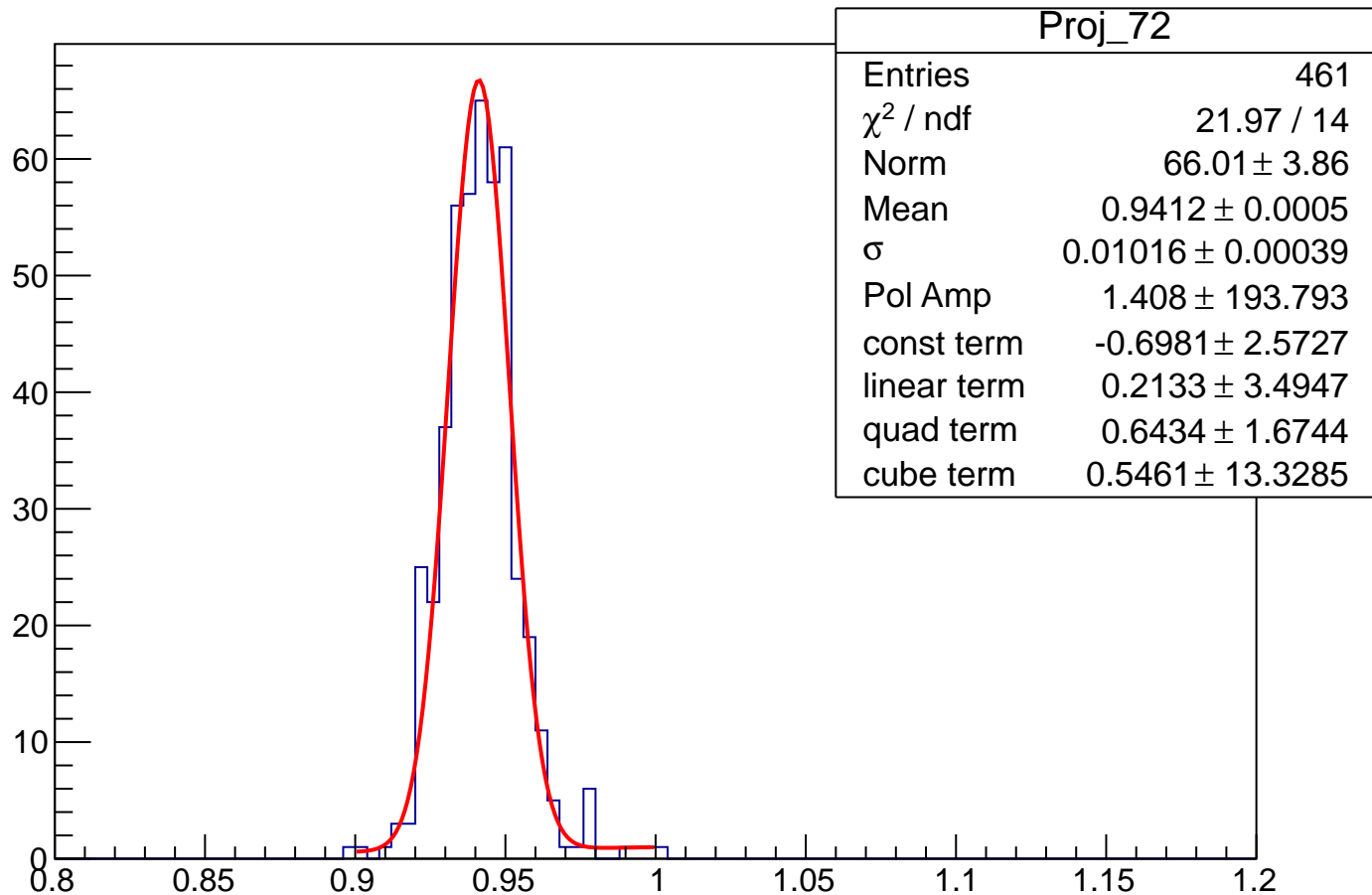
Proj_70

Entries	353
χ^2 / ndf	8.588 / 13
Norm	48.44 ± 3.57
Mean	0.9398 ± 0.0006
σ	0.01019 ± 0.00067
Pol Amp	144.9 ± 322.4
const term	-0.9241 ± 0.0297
linear term	1.008 ± 0.034
quad term	1.027 ± 0.034
cube term	-1.106 ± 0.031

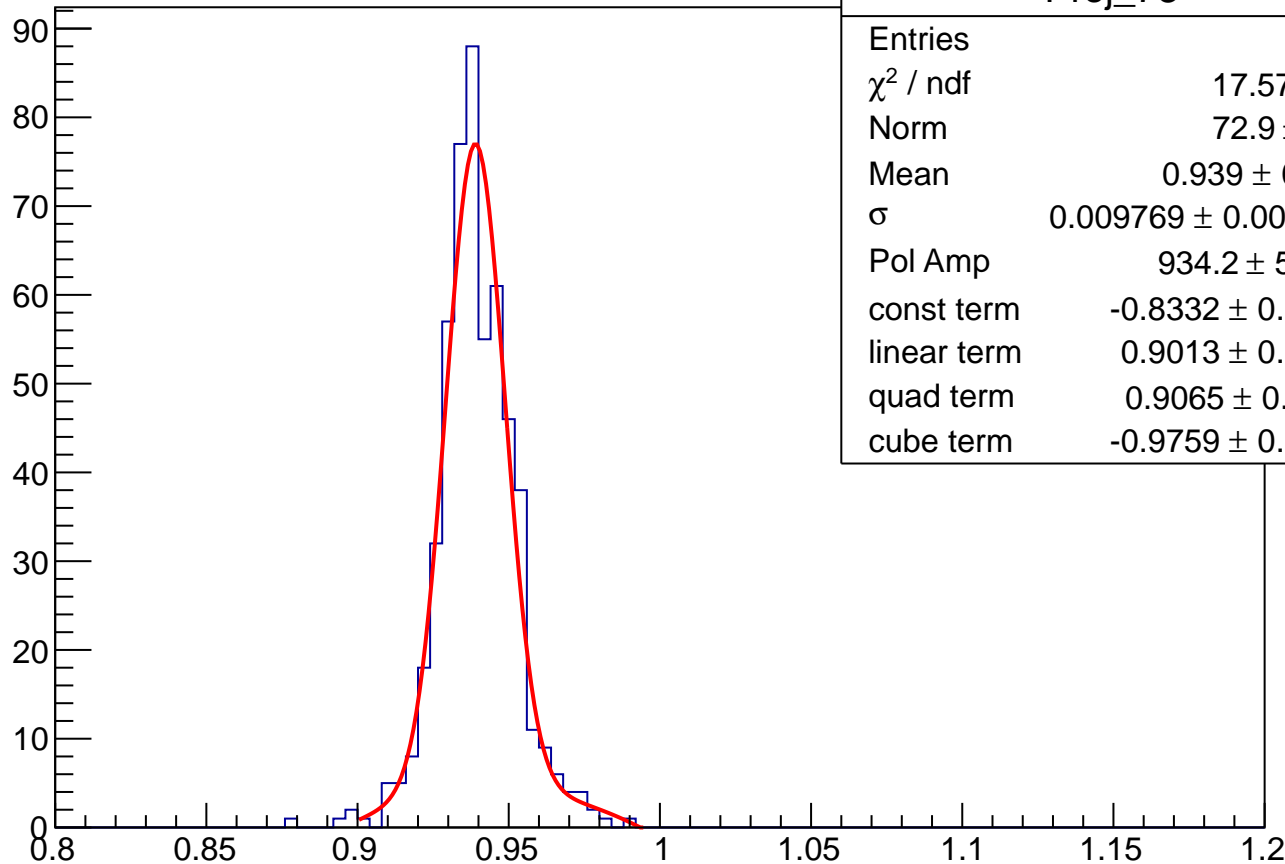
PhiThetaMassPip



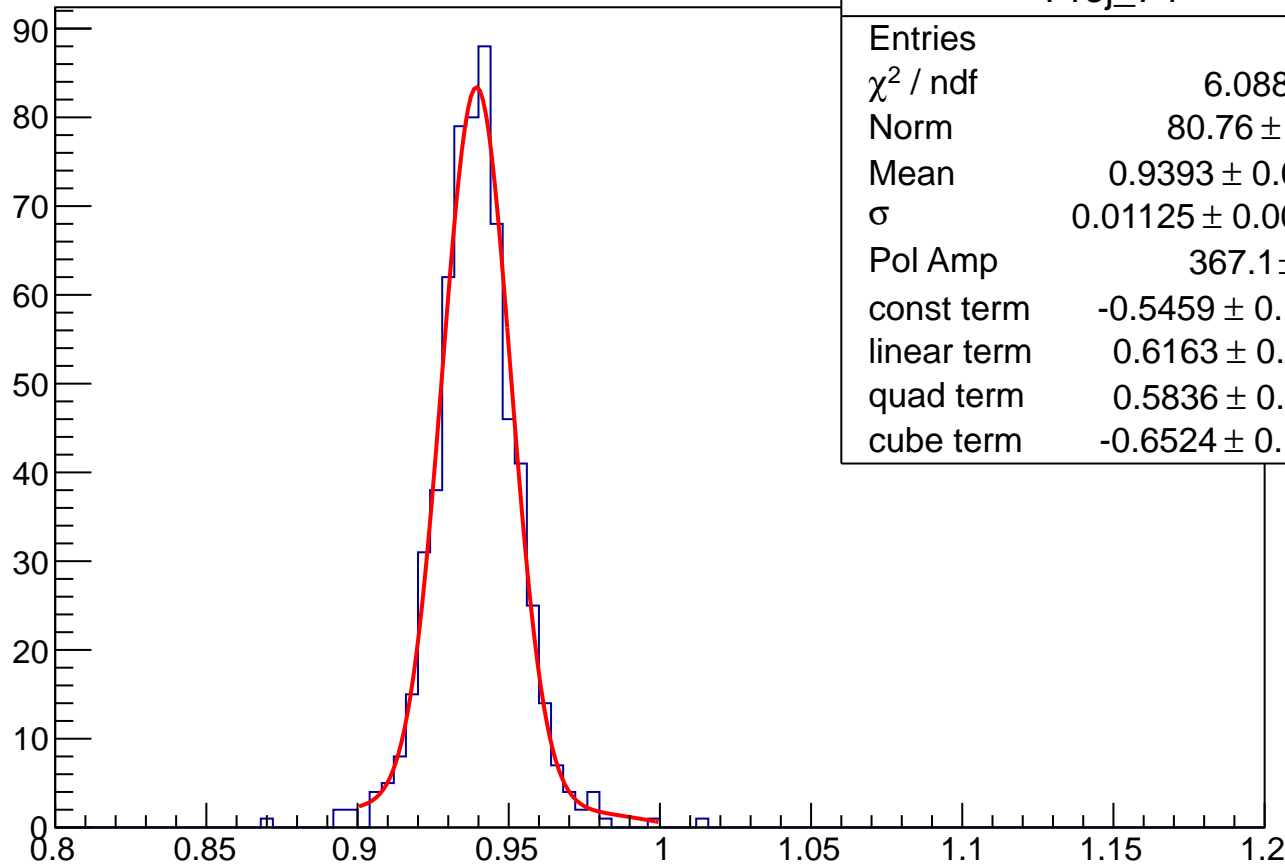
PhiThetaMassPip



PhiThetaMassPip



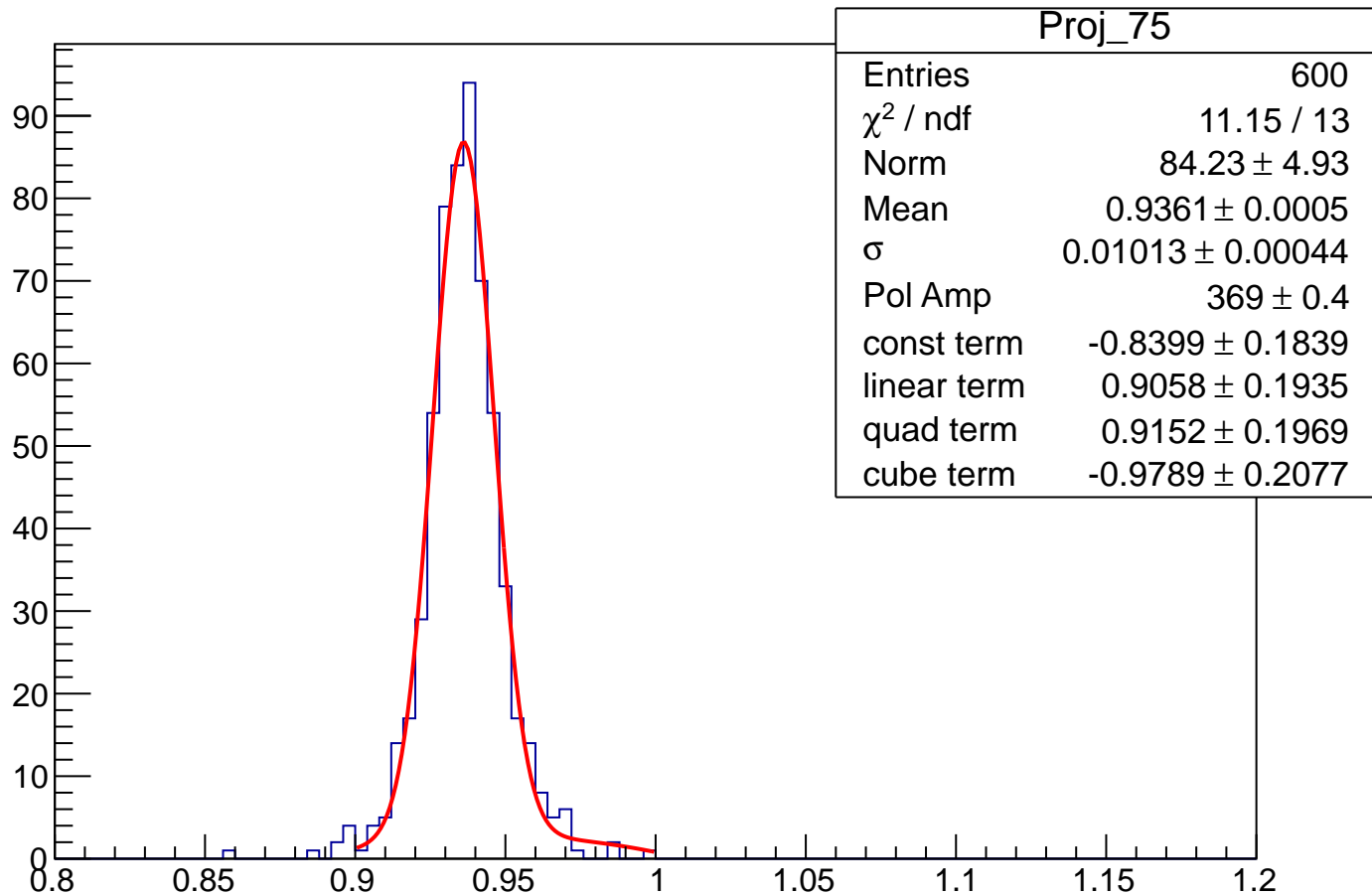
PhiThetaMassPip



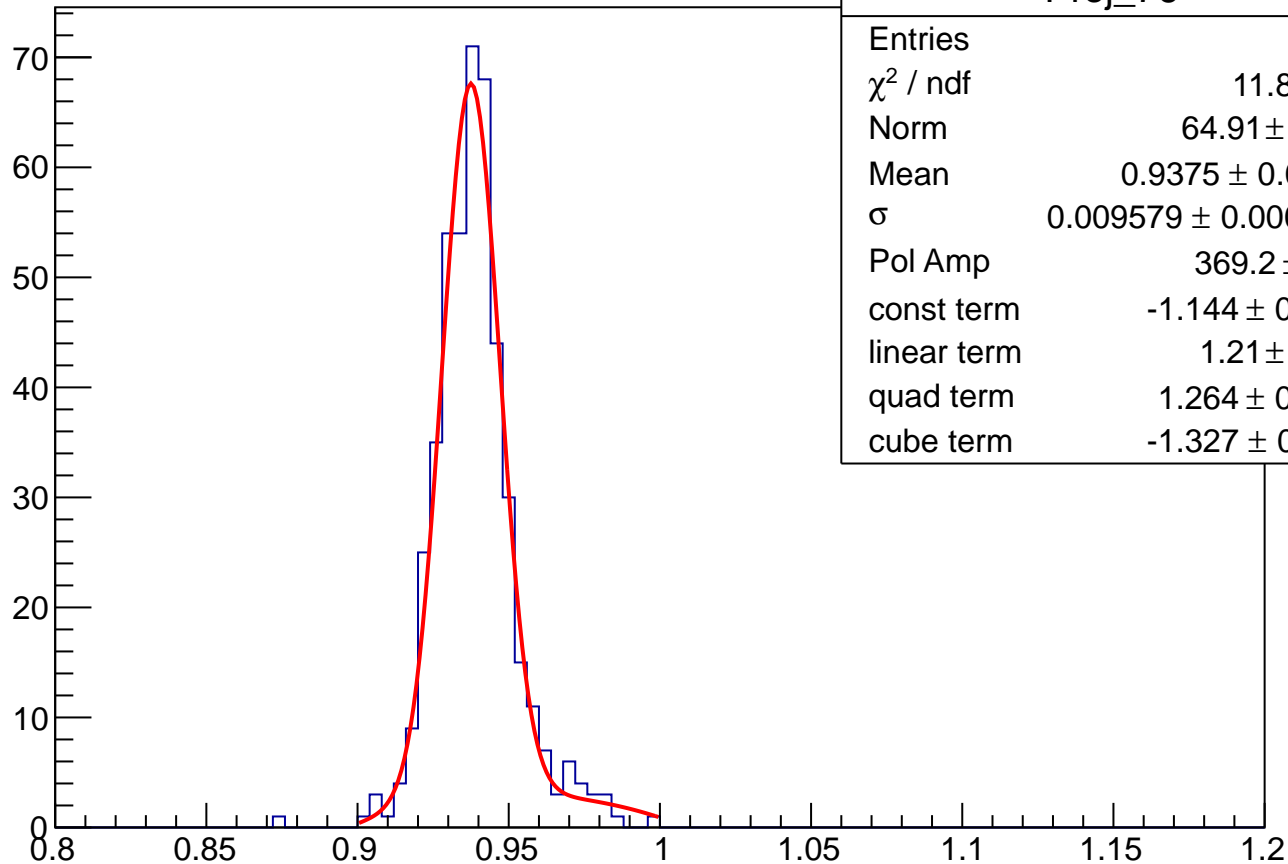
Proj_74

Entries	629
χ^2 / ndf	6.088 / 13
Norm	80.76 ± 4.38
Mean	0.9393 ± 0.0005
σ	0.01125 ± 0.00054
Pol Amp	367.1 ± 0.5
const term	-0.5459 ± 0.1108
linear term	0.6163 ± 0.1114
quad term	0.5836 ± 0.1115
cube term	-0.6524 ± 0.1156

PhiThetaMassPip



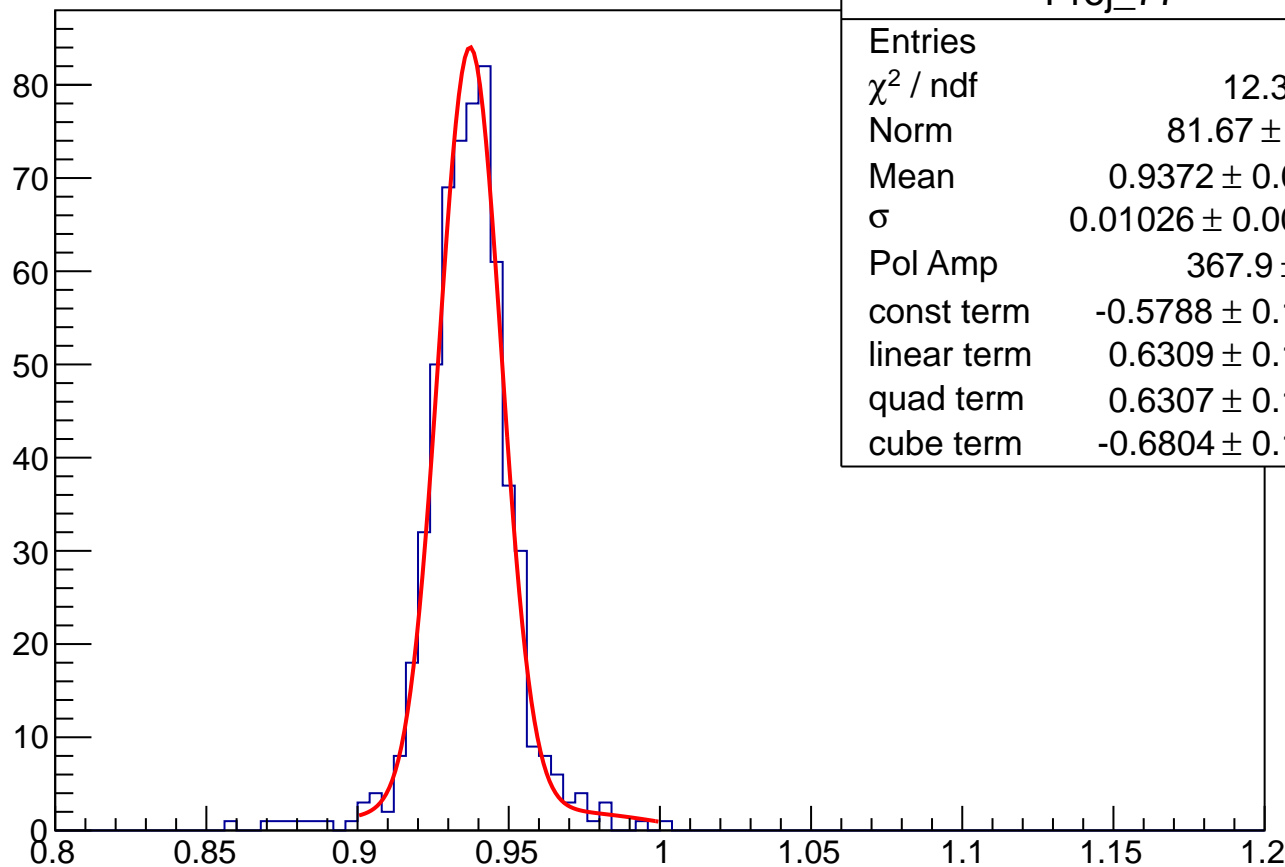
PhiThetaMassPip



Proj_76

Entries	454
χ^2 / ndf	11.8 / 15
Norm	64.91 ± 4.25
Mean	0.9375 ± 0.0005
σ	0.009579 ± 0.000335
Pol Amp	369.2 ± 0.3
const term	-1.144 ± 0.329
linear term	1.21 ± 0.35
quad term	1.264 ± 0.363
cube term	-1.327 ± 0.382

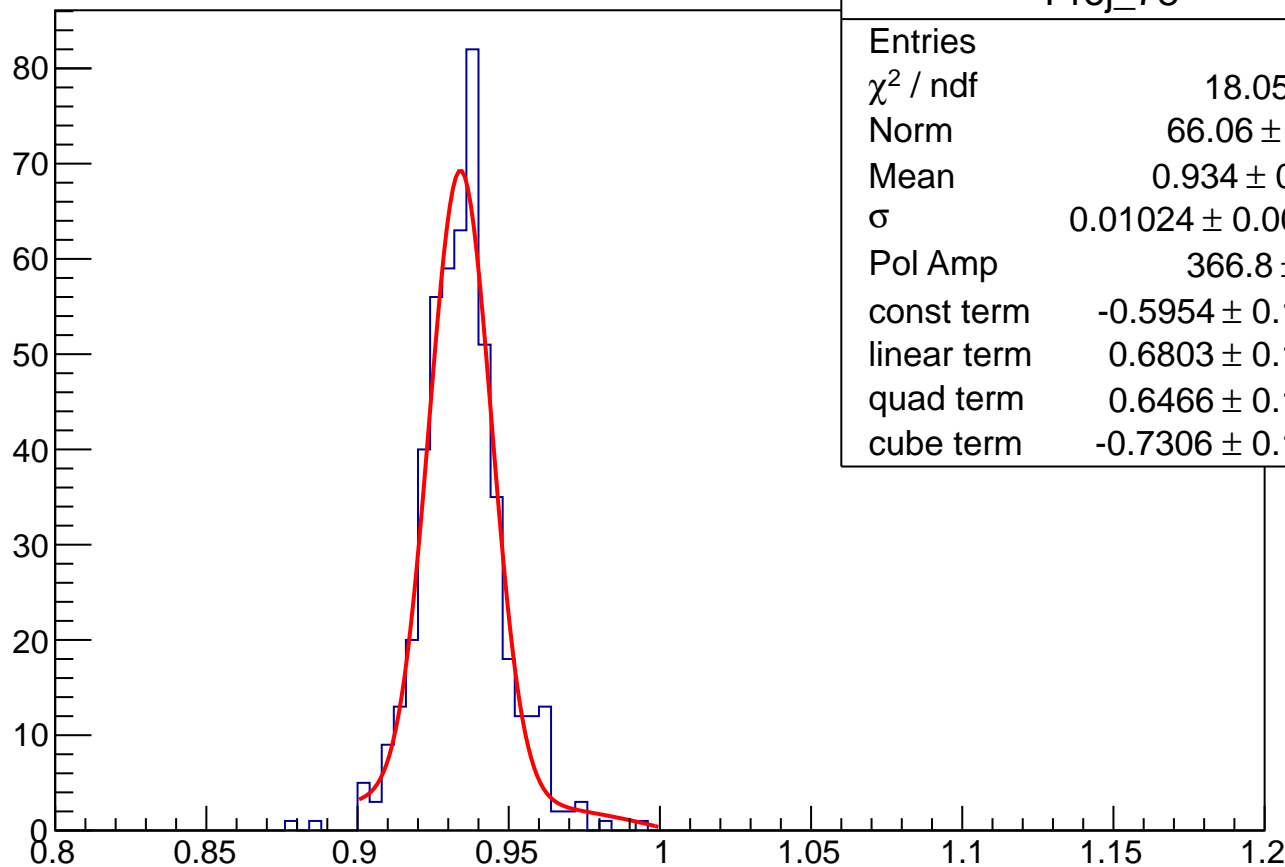
PhiThetaMassPip



Proj_77

Entries	592
χ^2 / ndf	12.3 / 14
Norm	81.67 ± 4.53
Mean	0.9372 ± 0.0005
σ	0.01026 ± 0.00042
Pol Amp	367.9 ± 0.4
const term	-0.5788 ± 0.1318
linear term	0.6309 ± 0.1328
quad term	0.6307 ± 0.1373
cube term	-0.6804 ± 0.1397

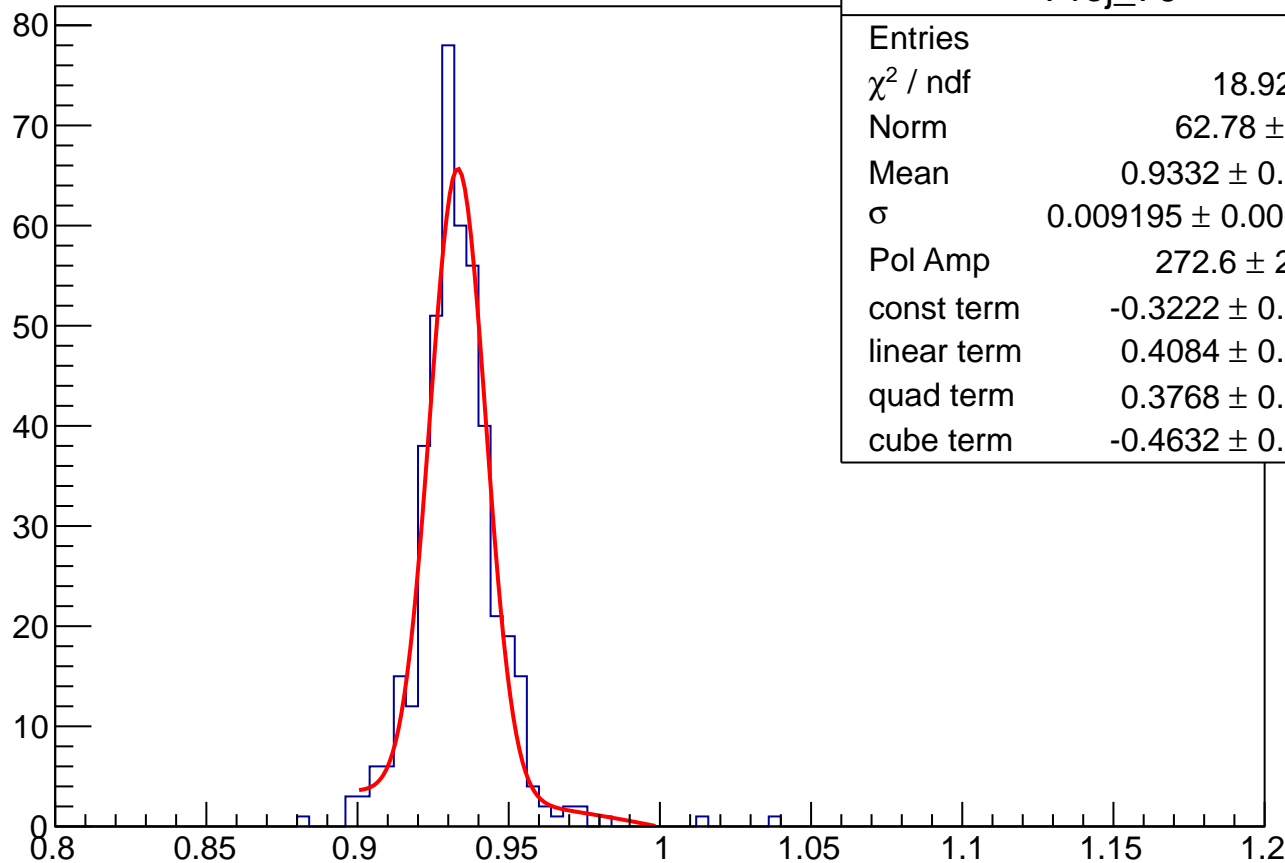
PhiThetaMassPip



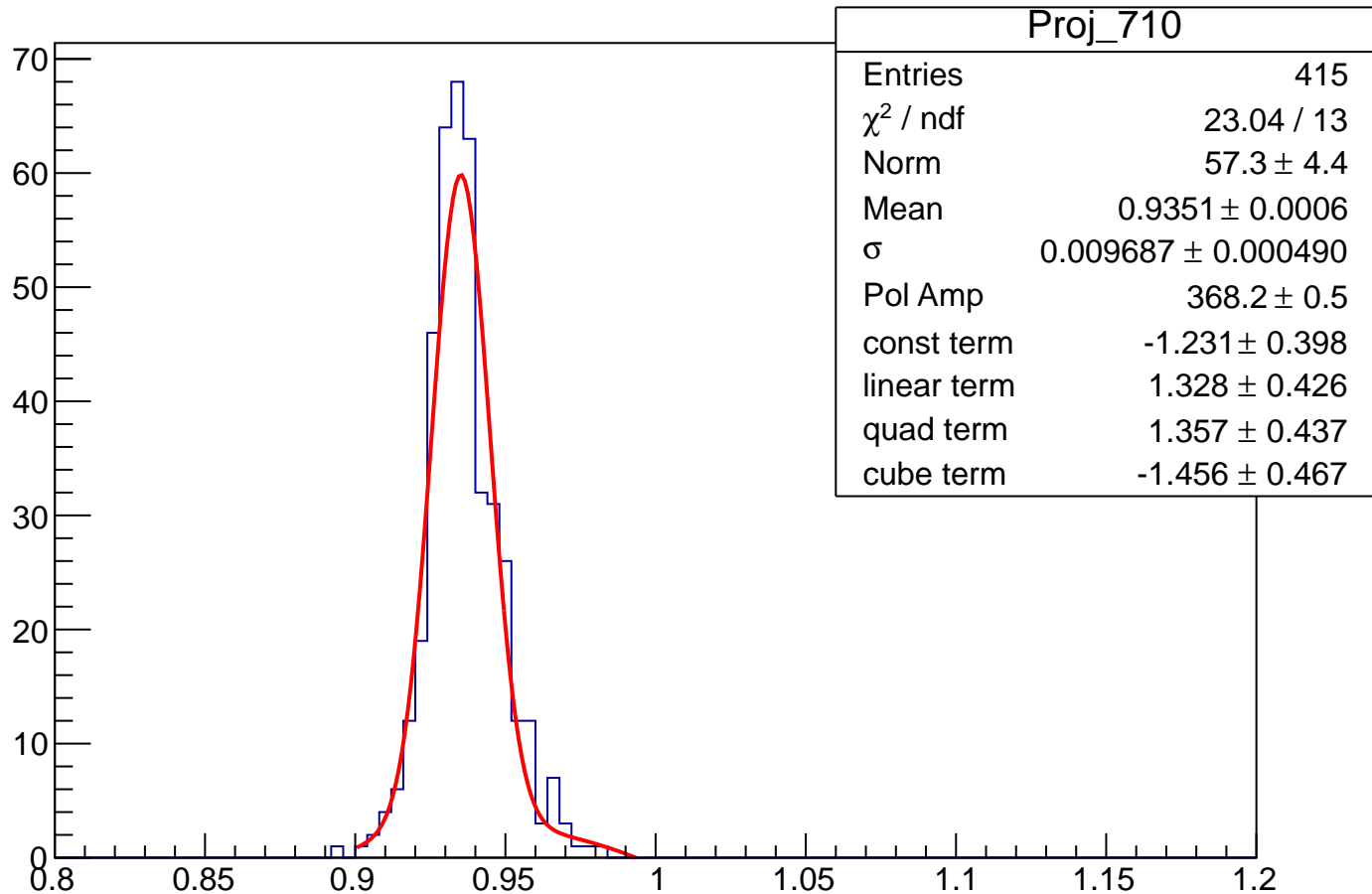
Proj_78

Entries	502
χ^2 / ndf	18.05 / 13
Norm	66.06 ± 4.33
Mean	0.934 ± 0.001
σ	0.01024 ± 0.00060
Pol Amp	366.8 ± 0.6
const term	-0.5954 ± 0.1510
linear term	0.6803 ± 0.1500
quad term	0.6466 ± 0.1519
cube term	-0.7306 ± 0.1525

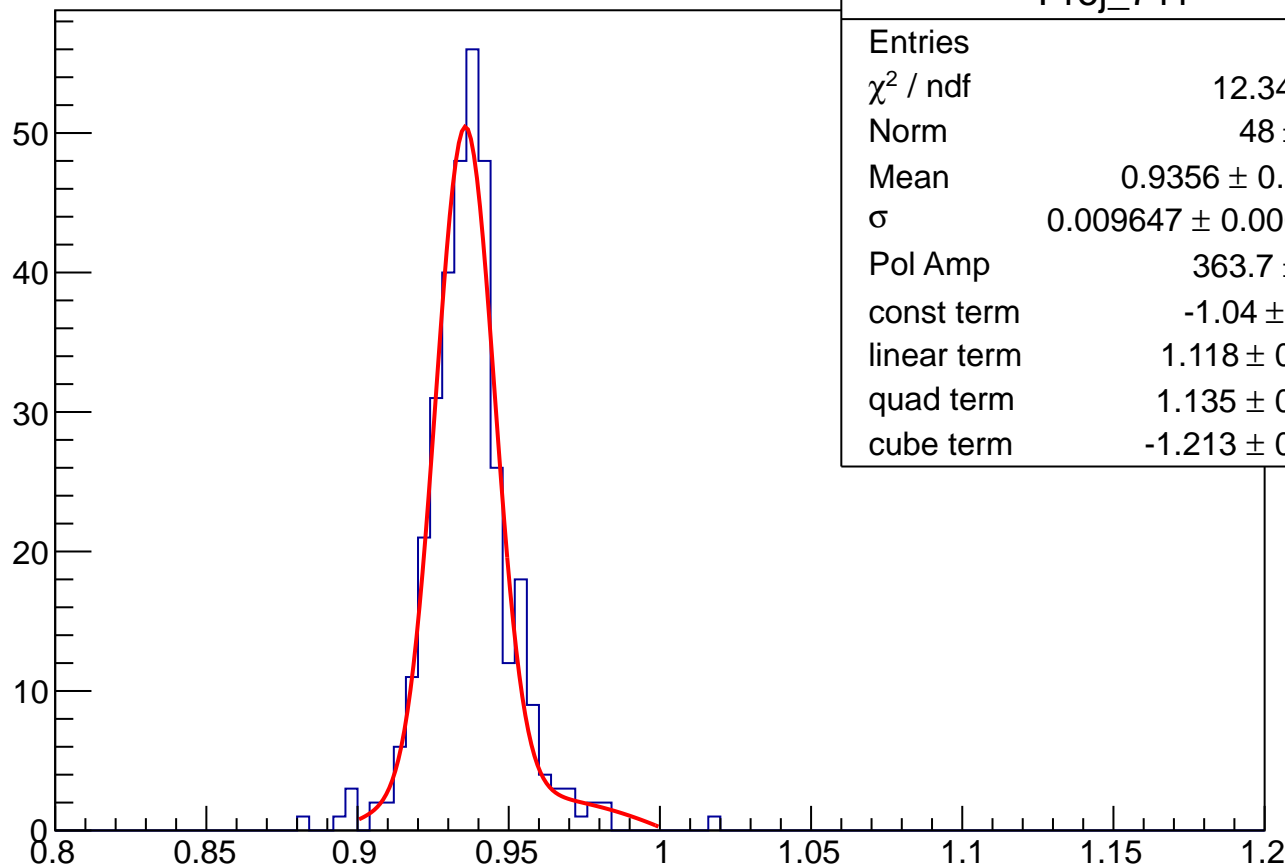
PhiThetaMassPip



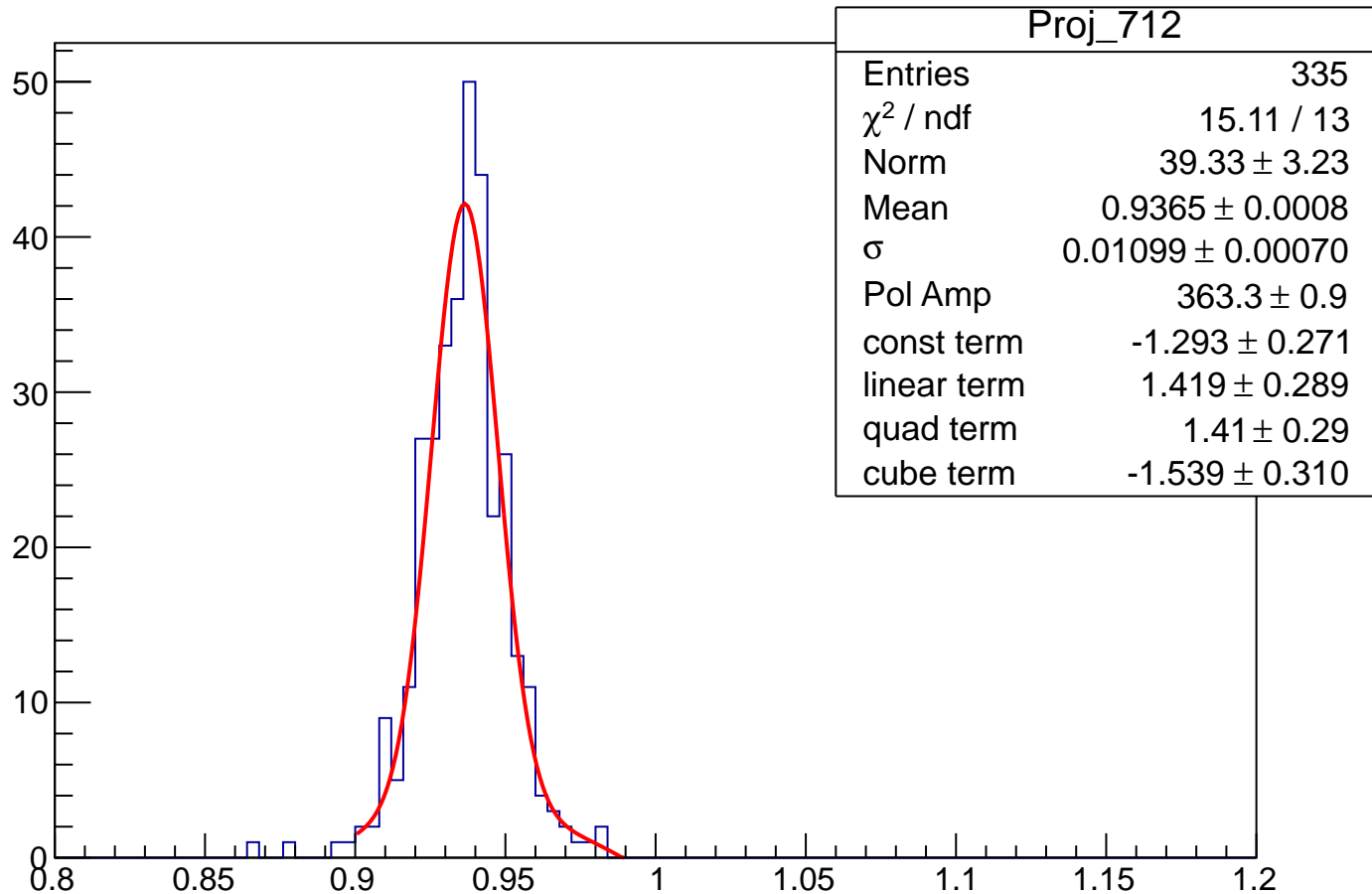
PhiThetaMassPip



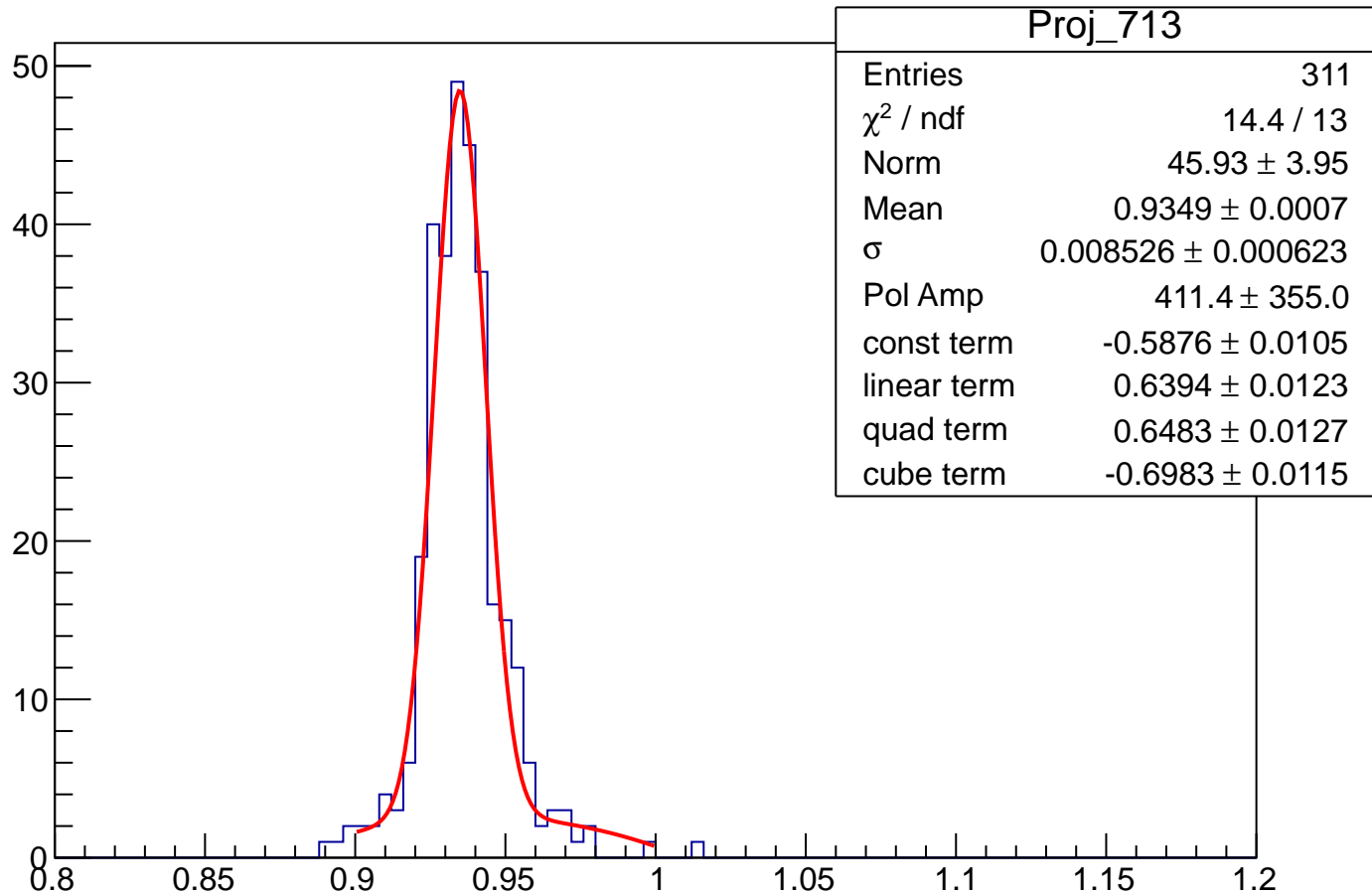
PhiThetaMassPip



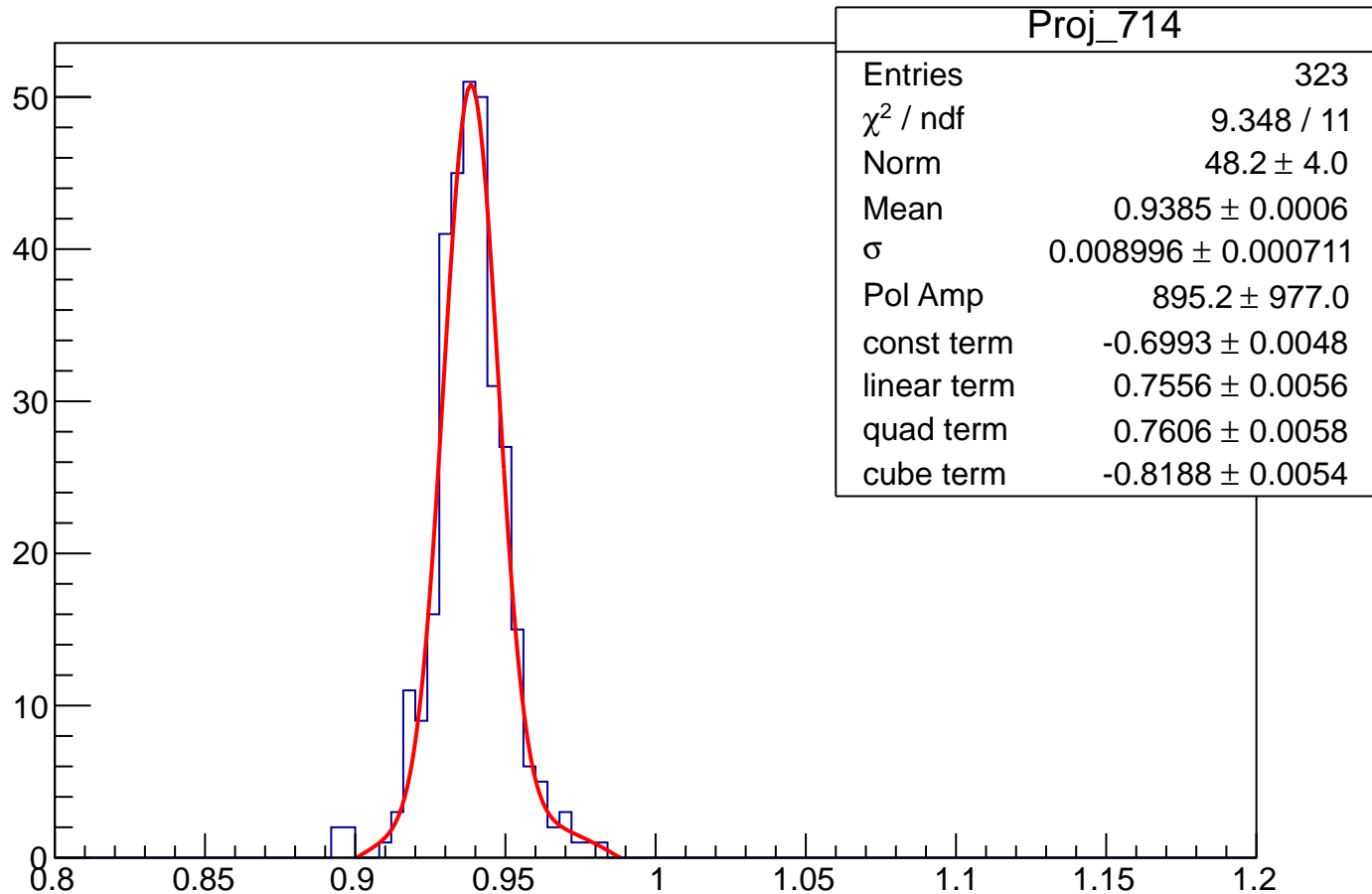
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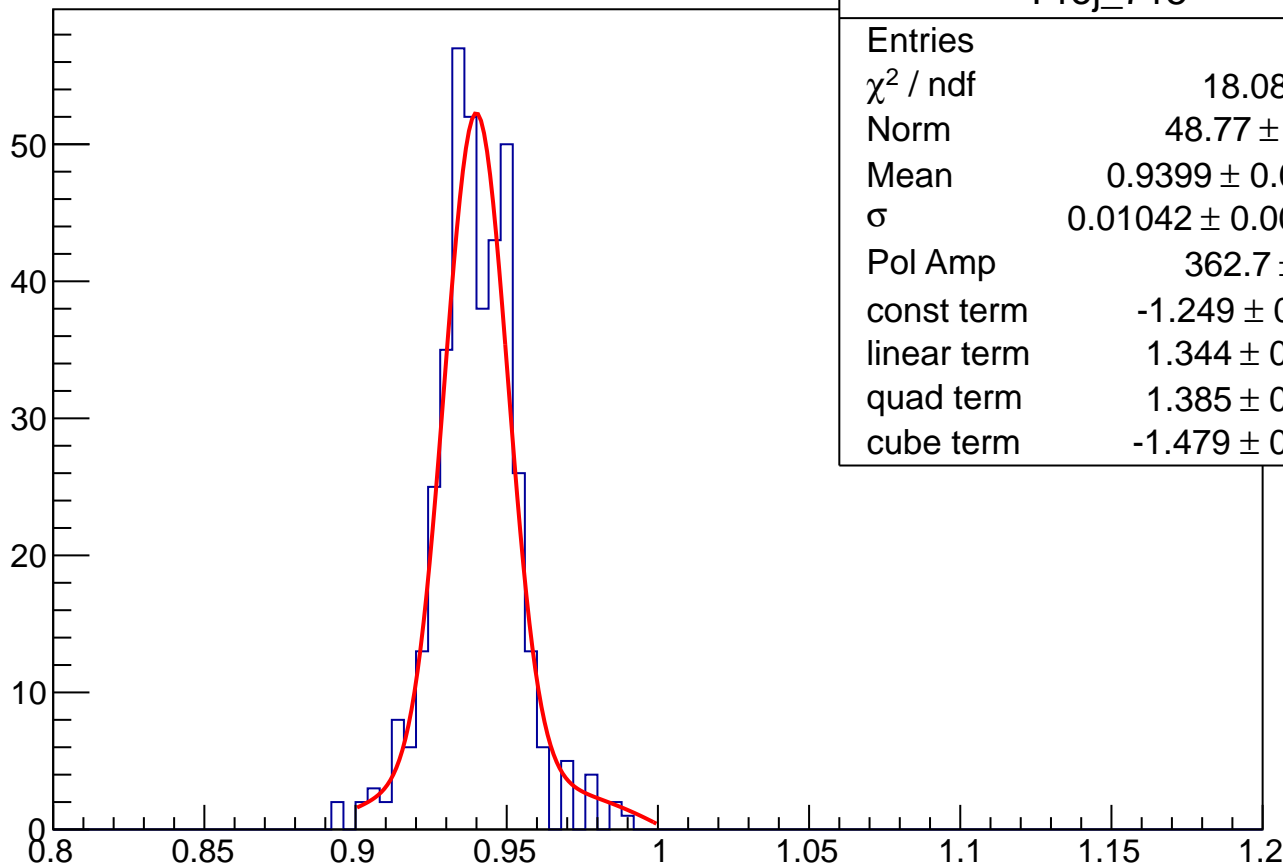
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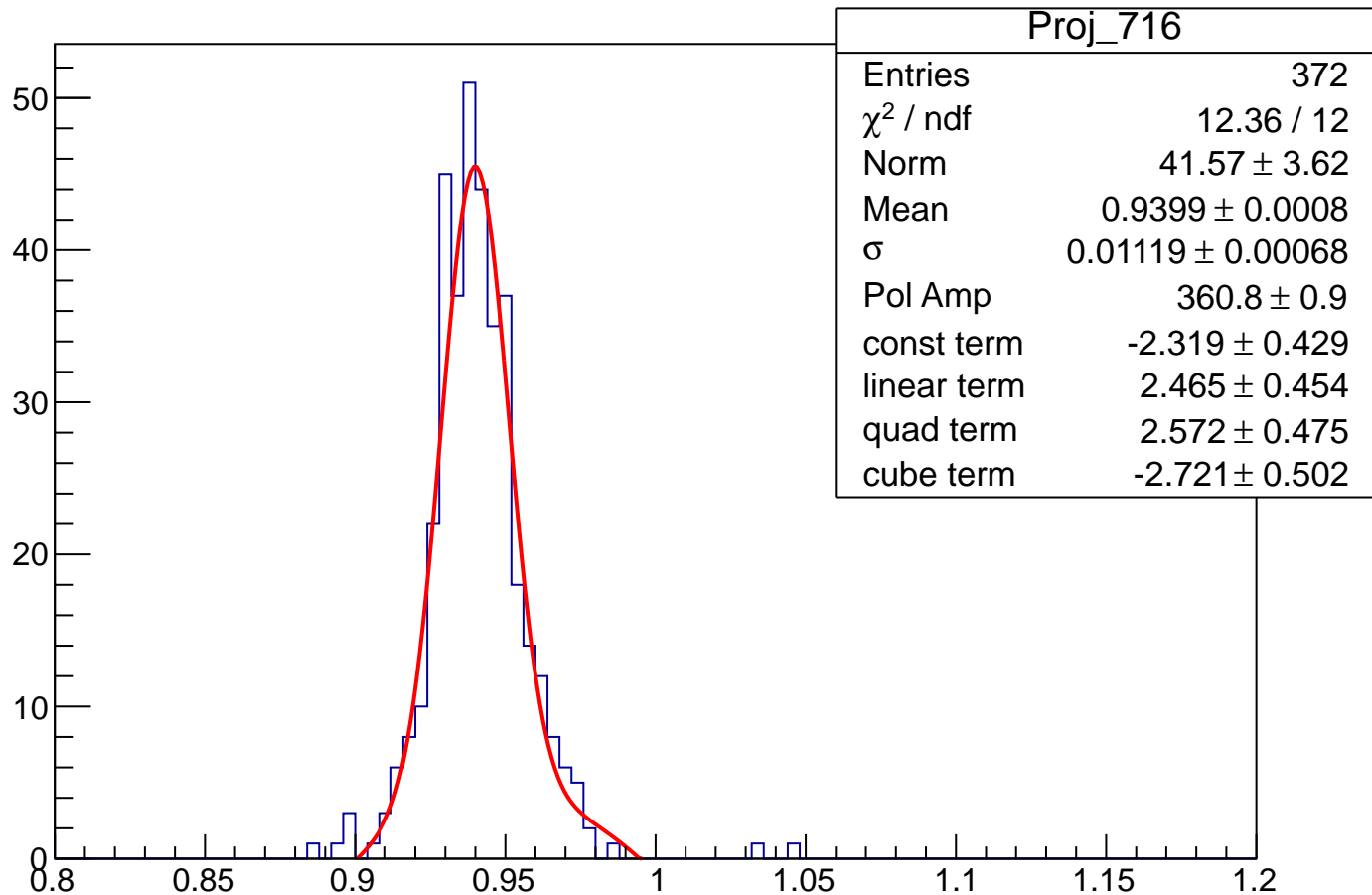
PhiThetaMassPip



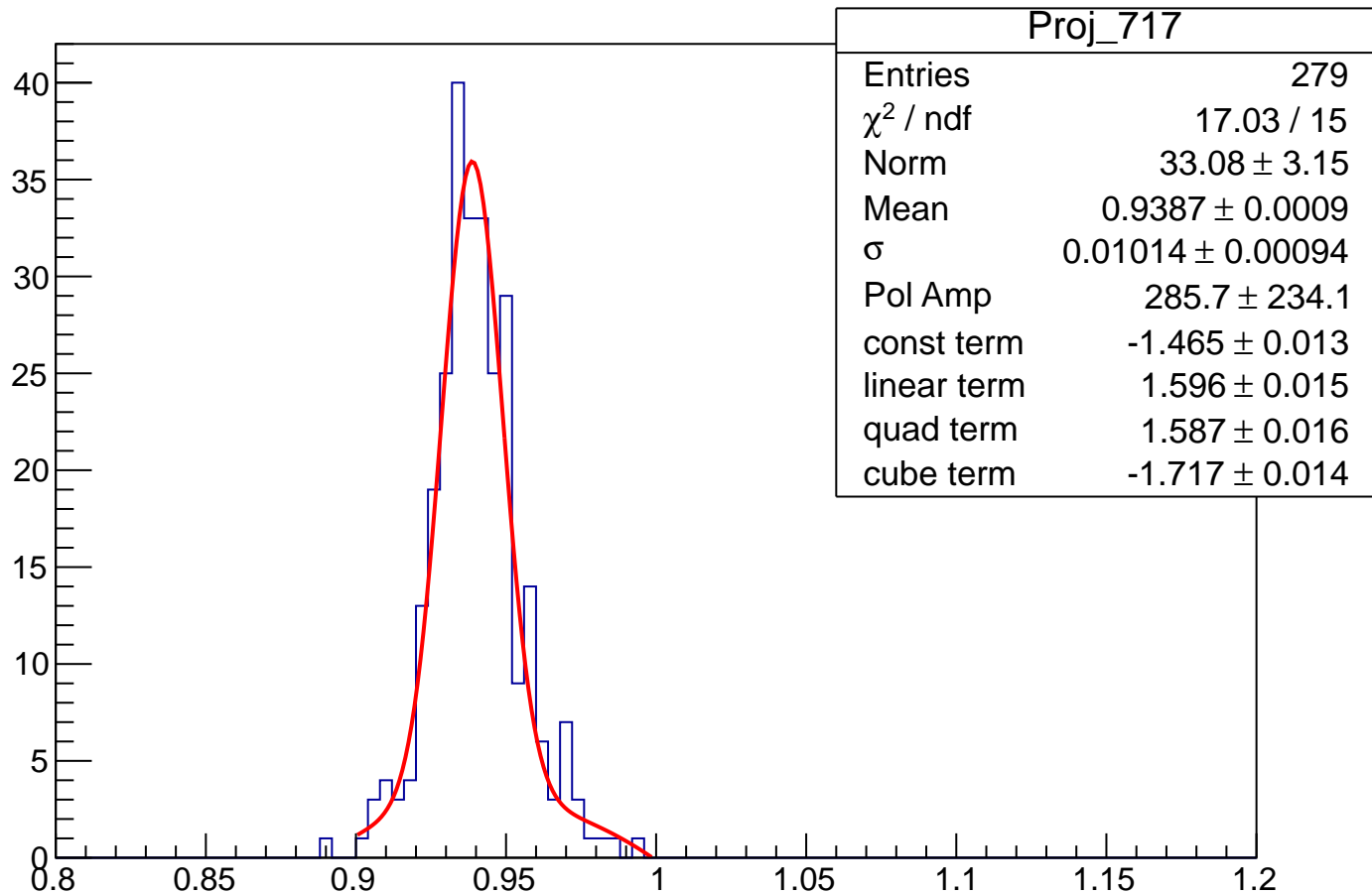
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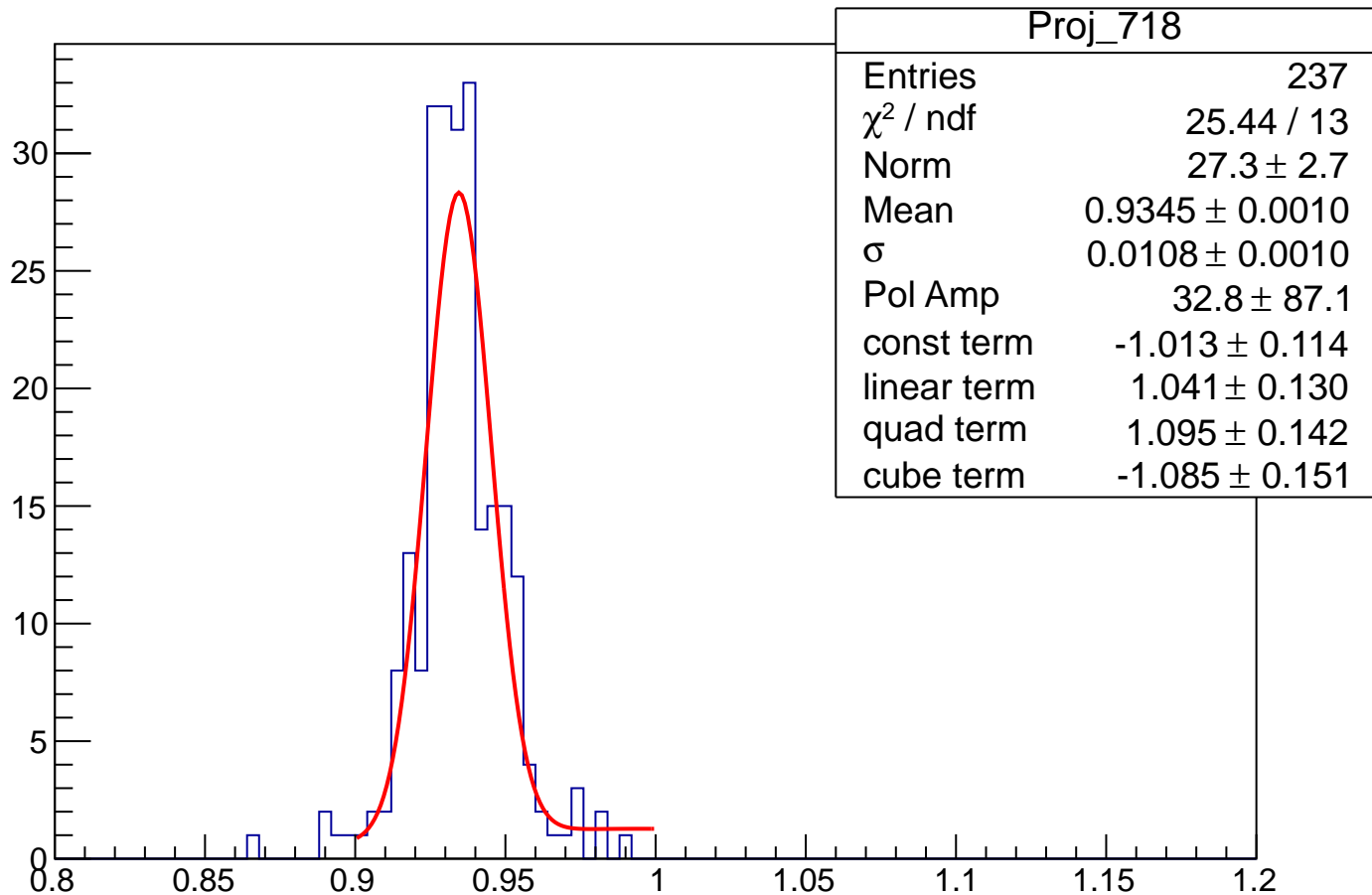
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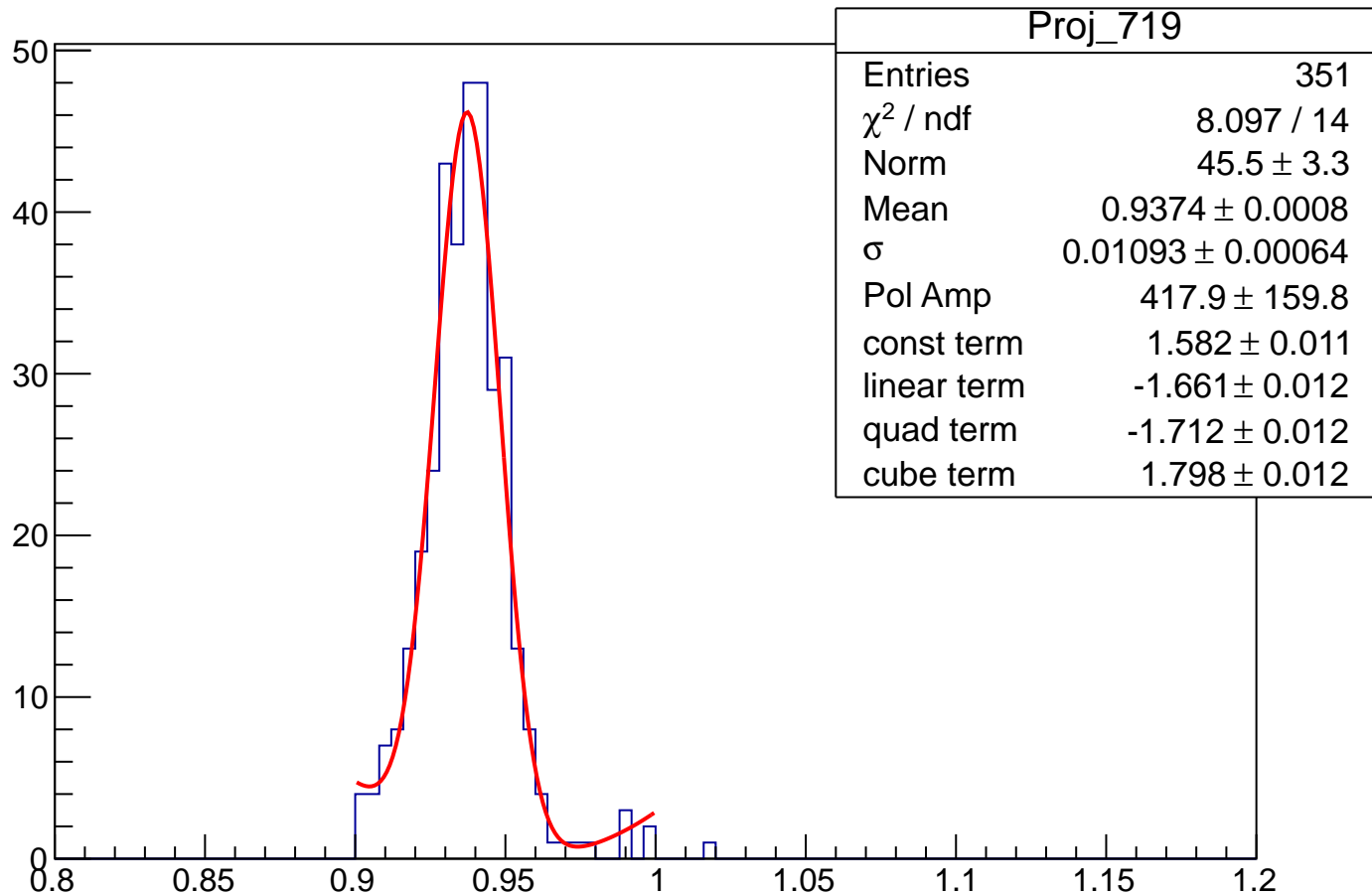
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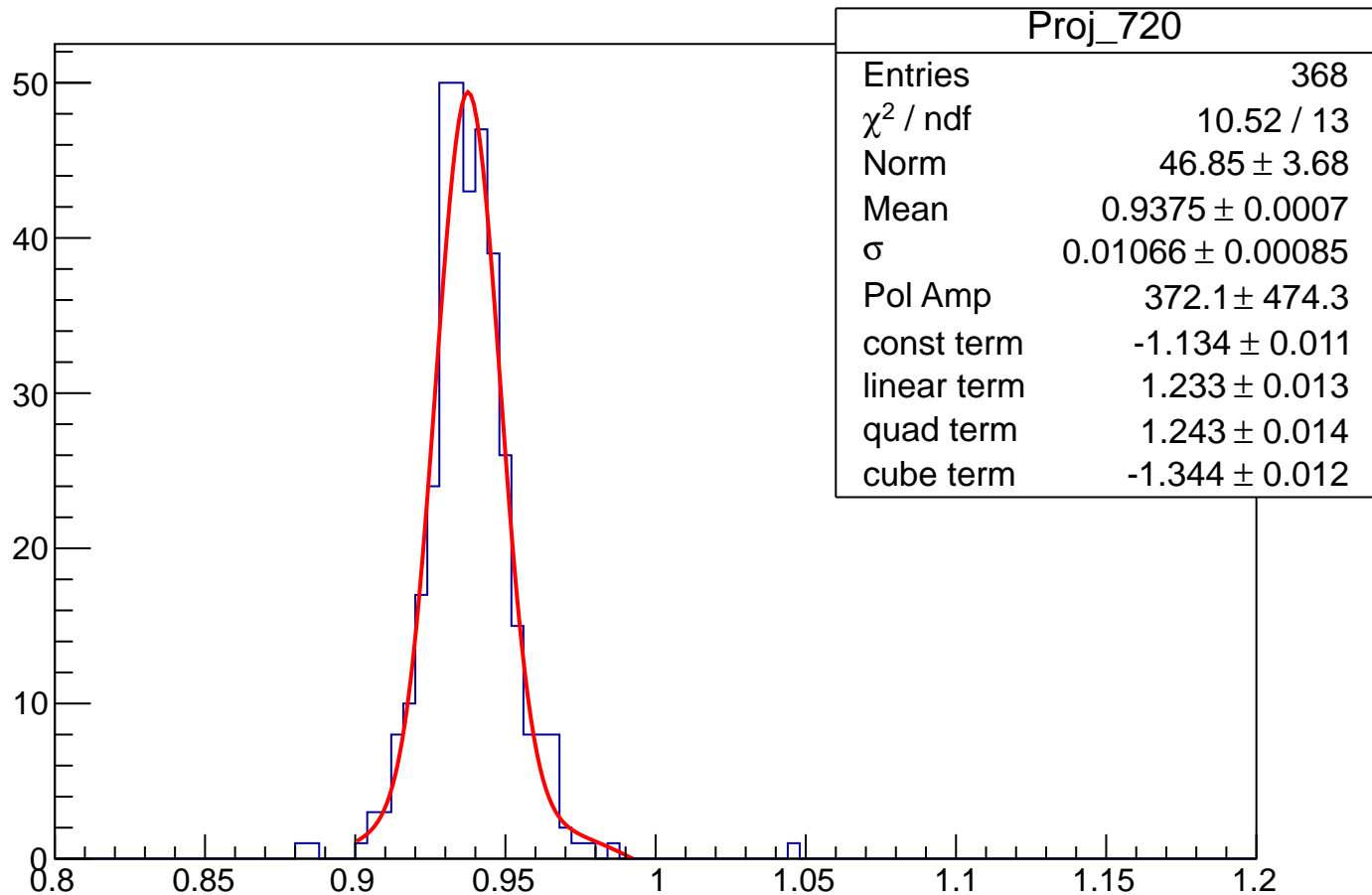
PhiThetaMassPip



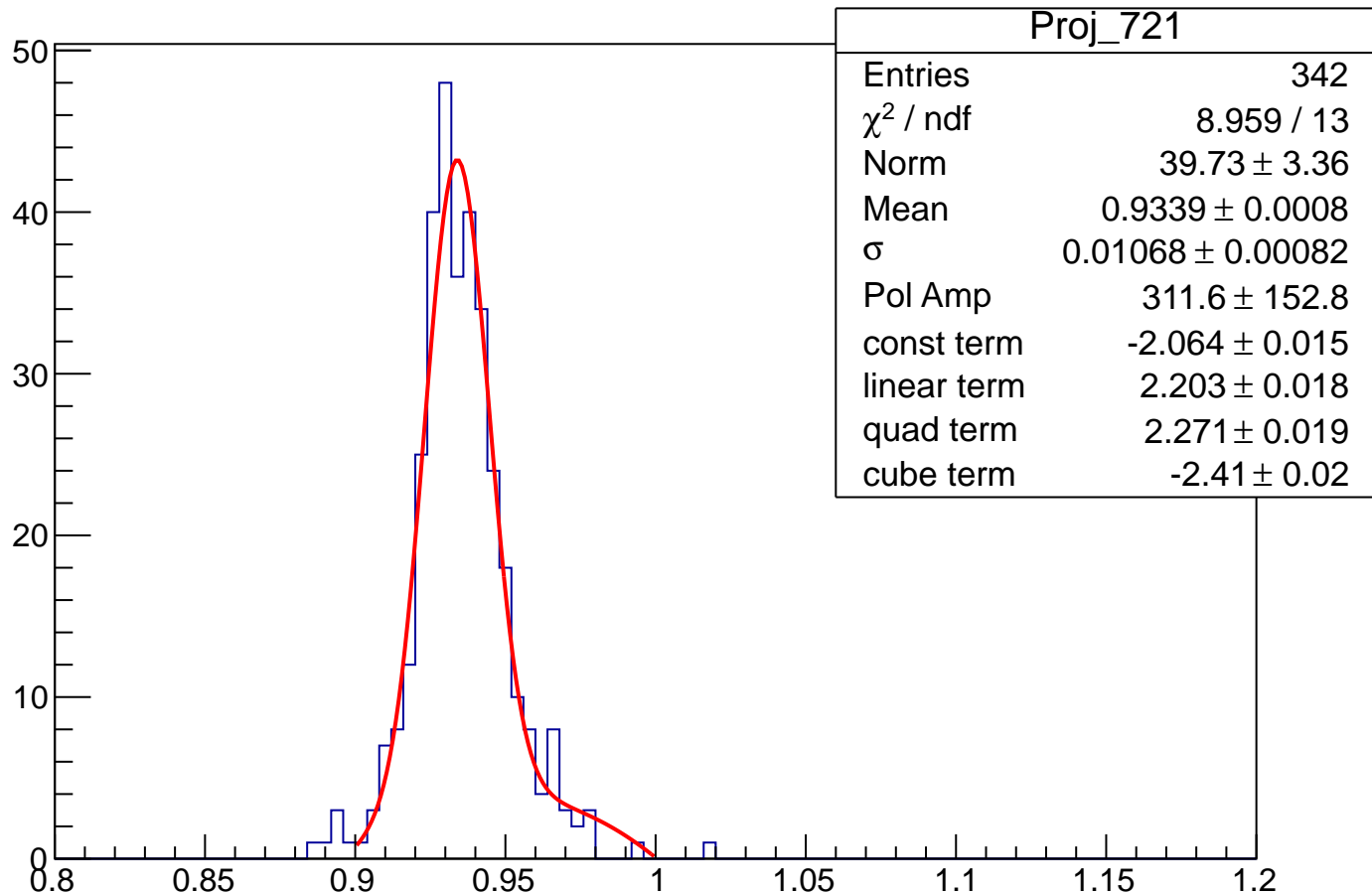
PhiThetaMassPip



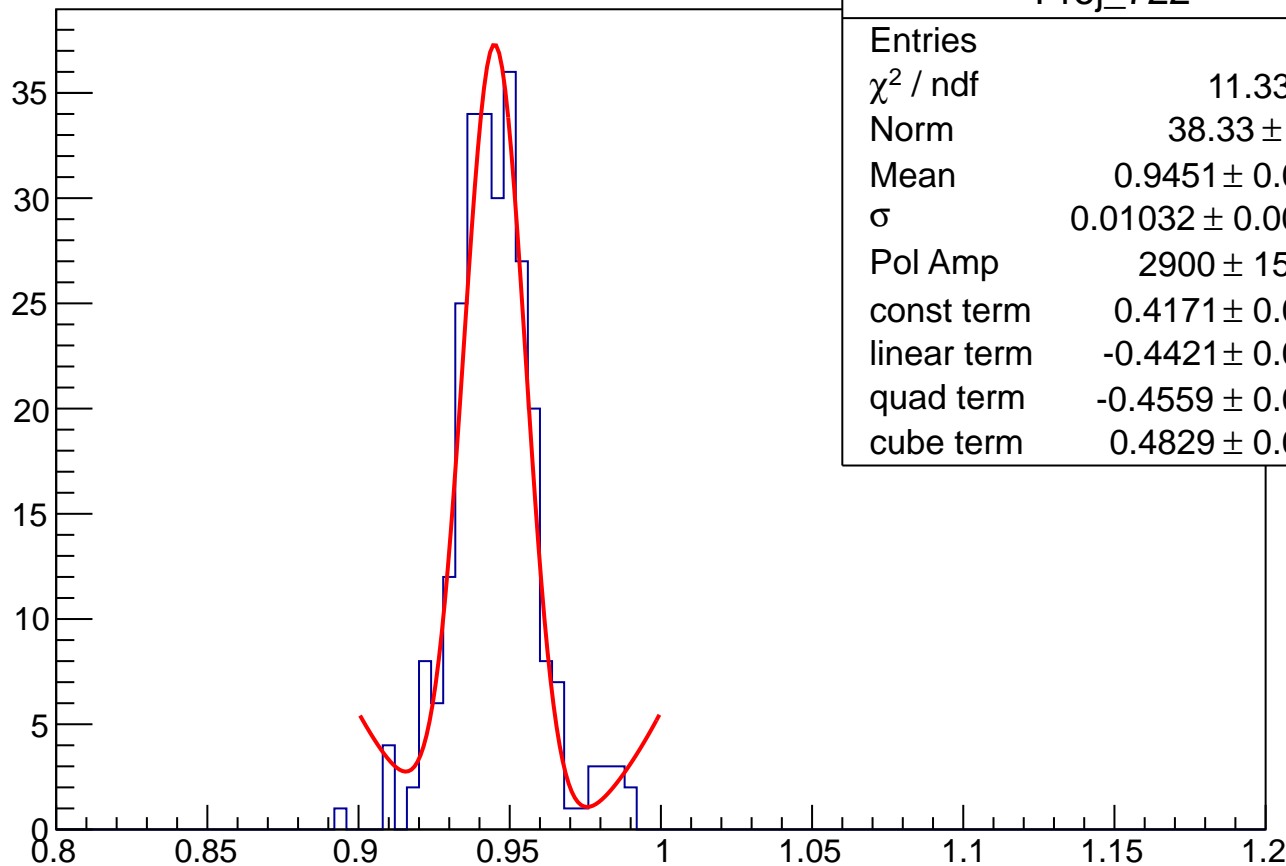
PhiThetaMassPip



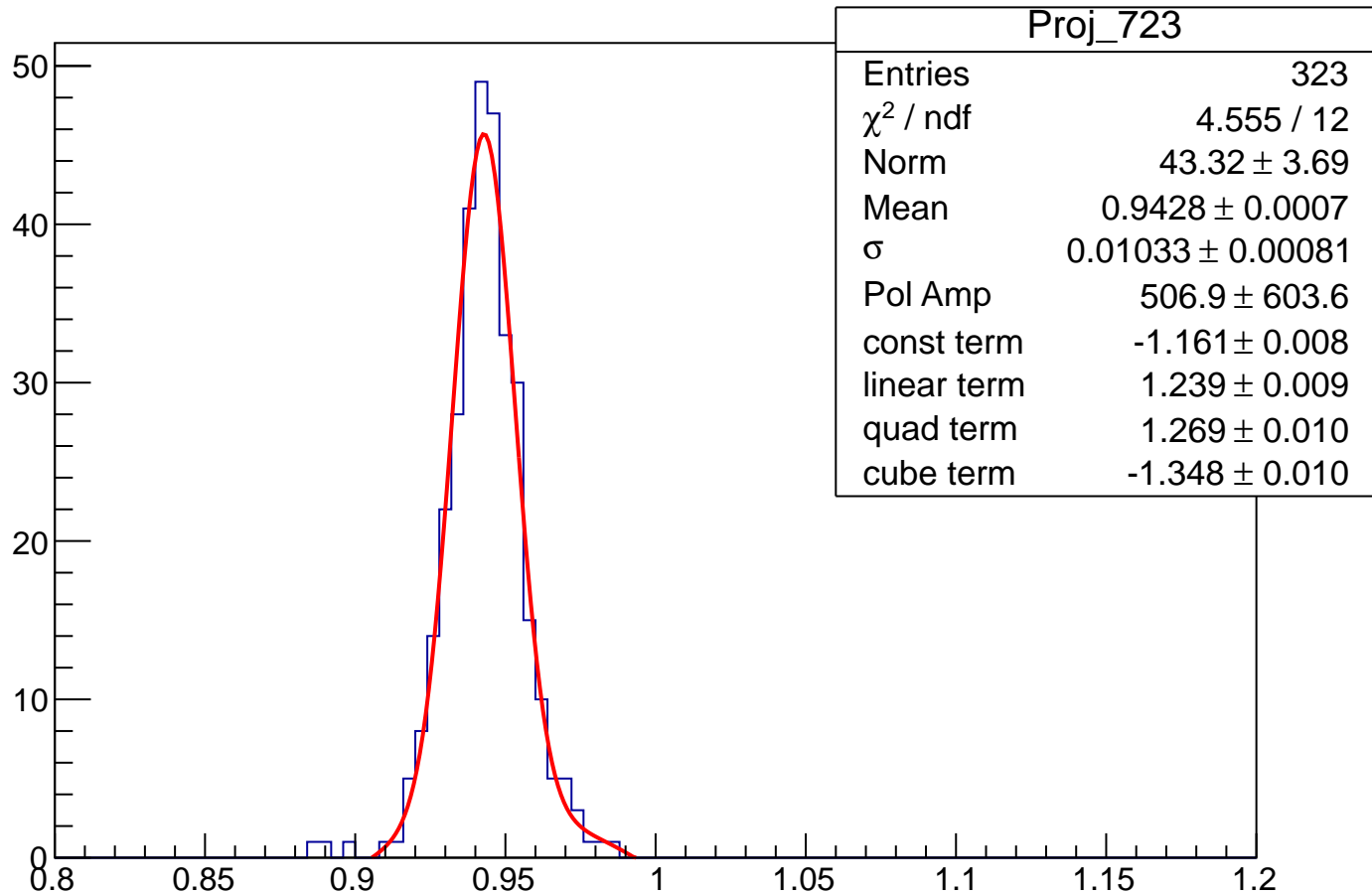
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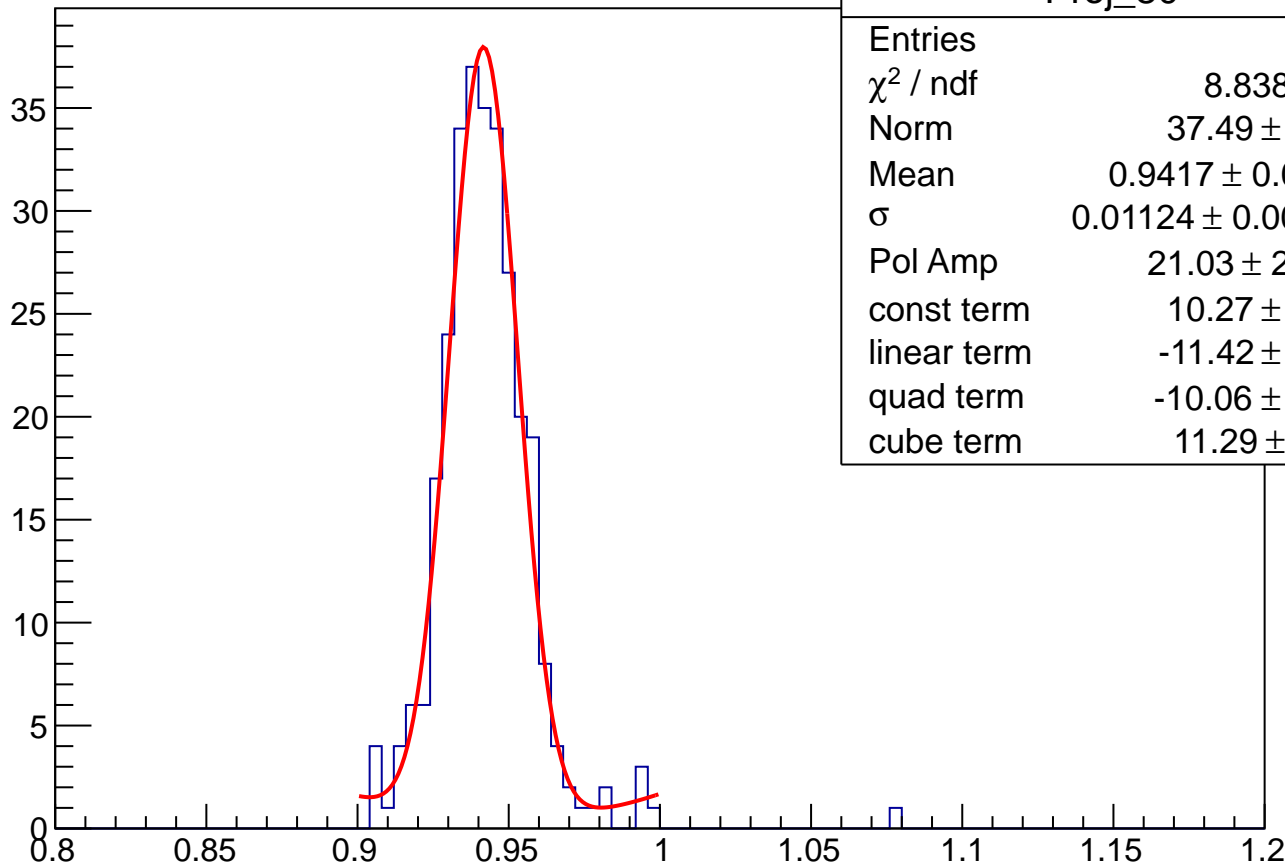
PhiThetaMassPip



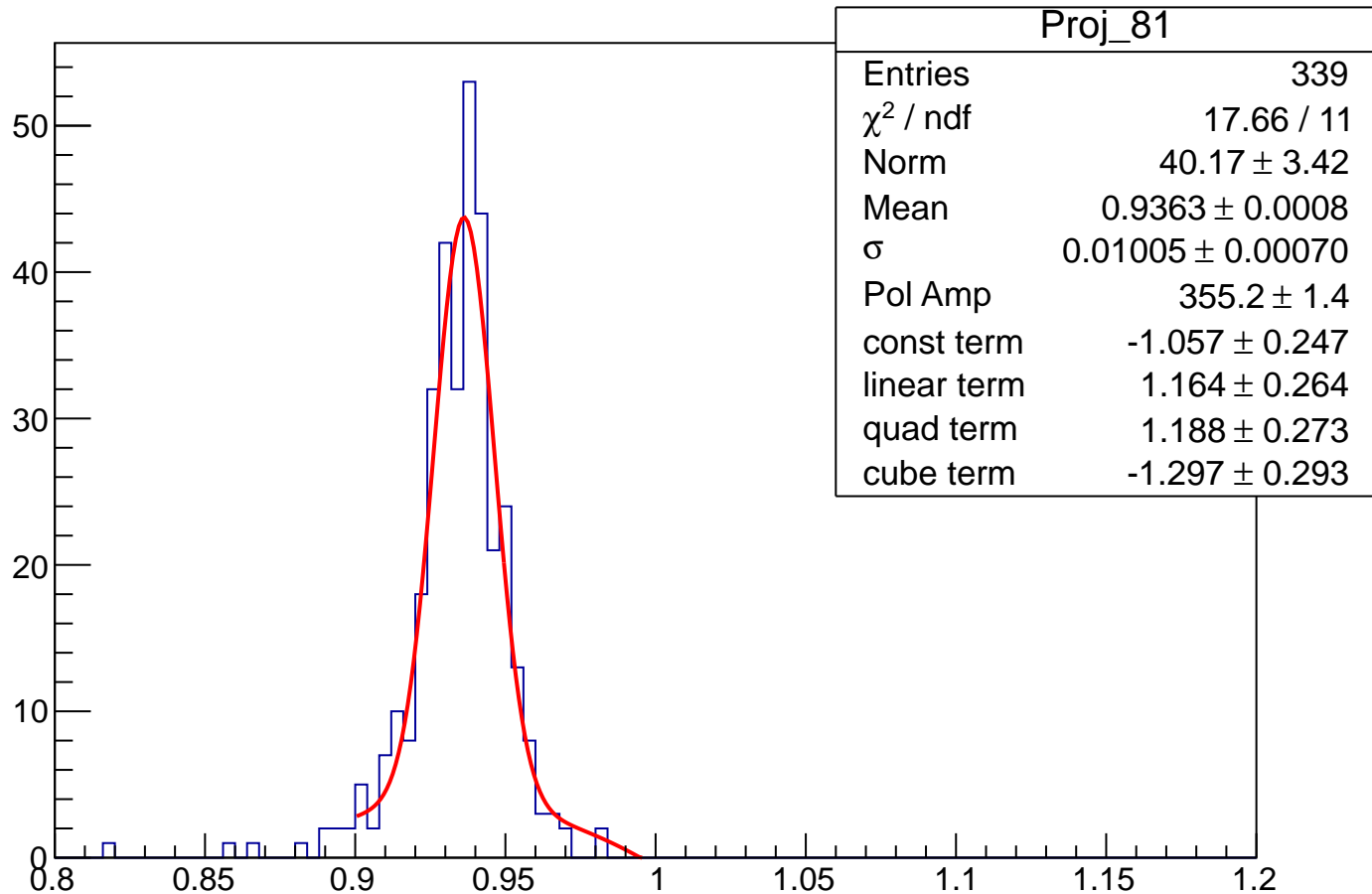
PhiThetaMassPip



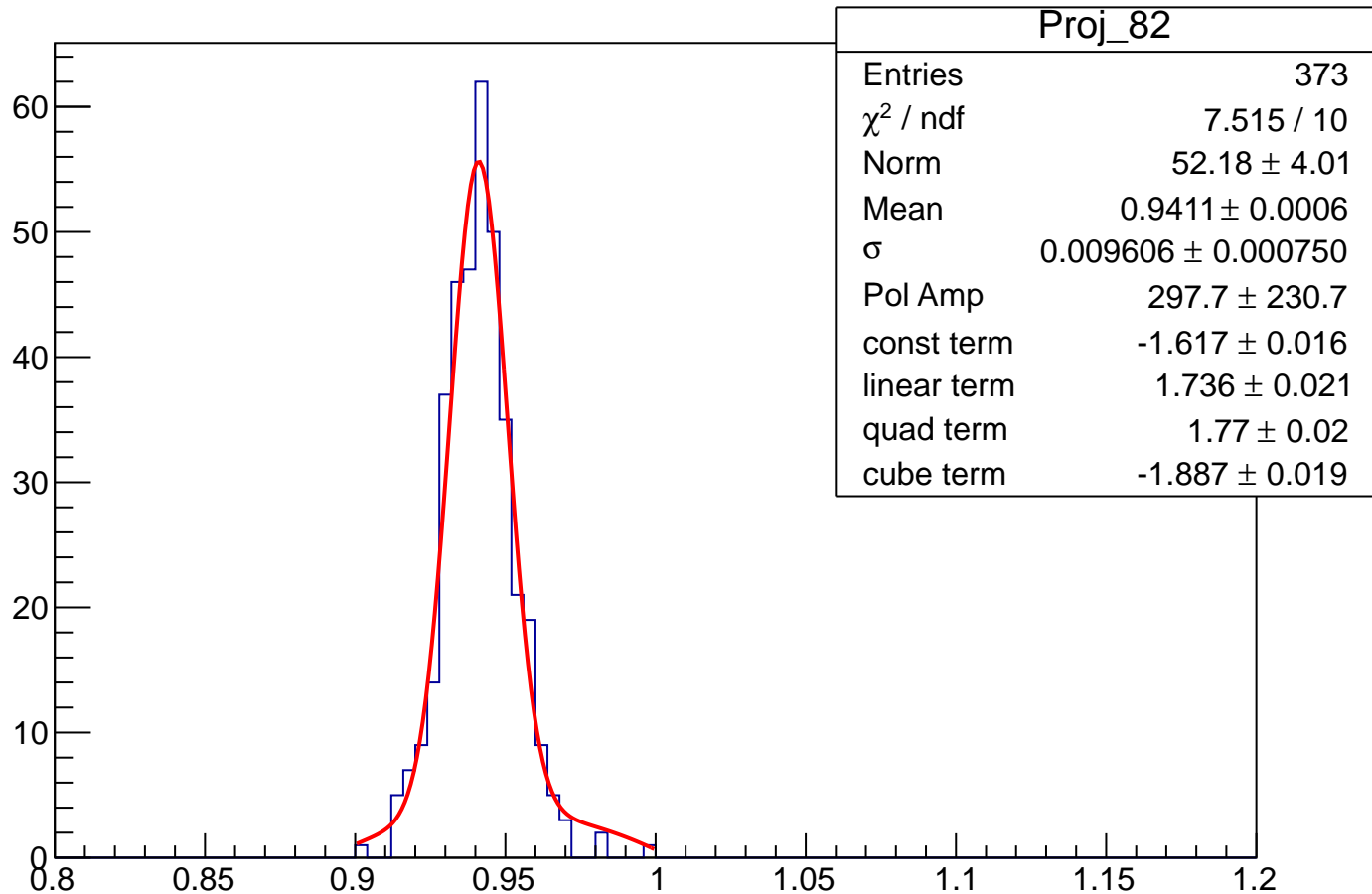
PhiThetaMassPip



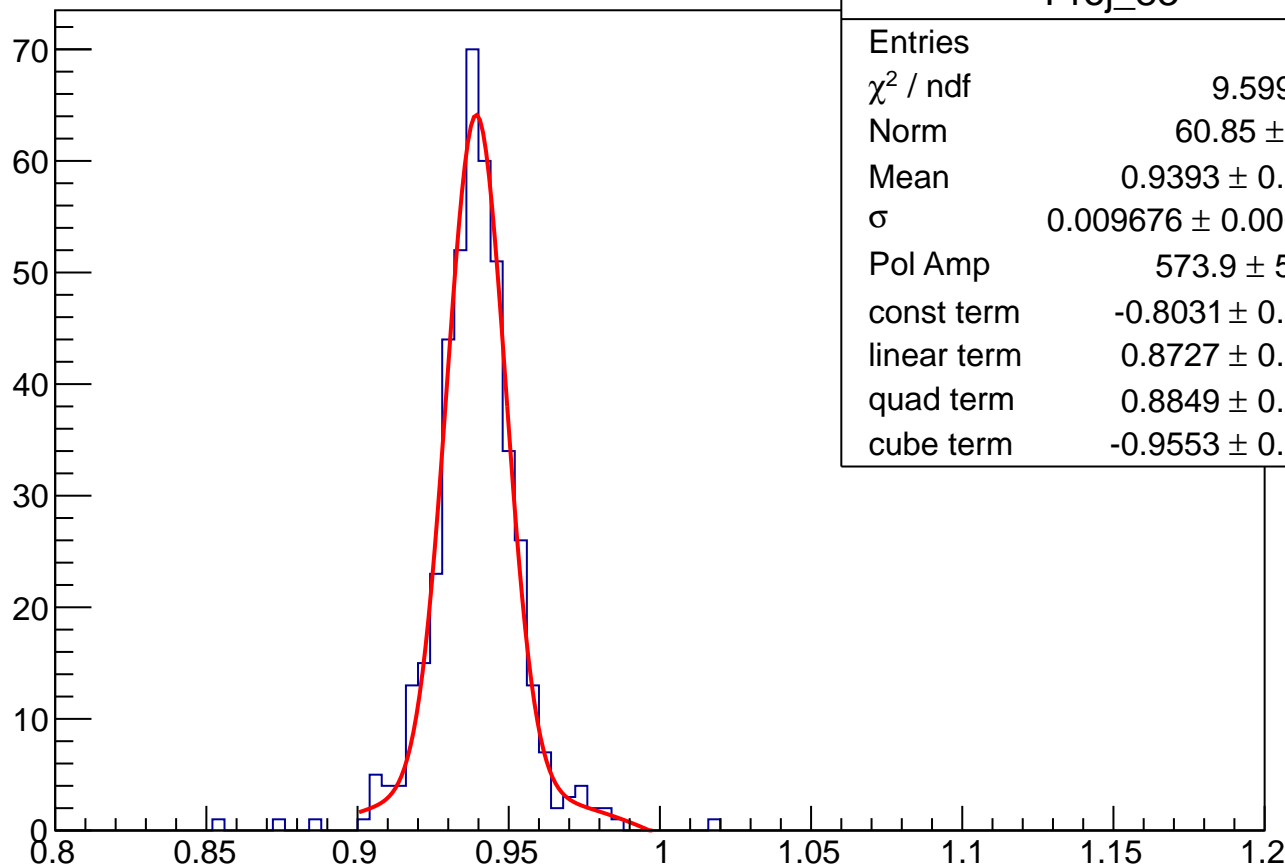
PhiThetaMassPip



PhiThetaMassPip



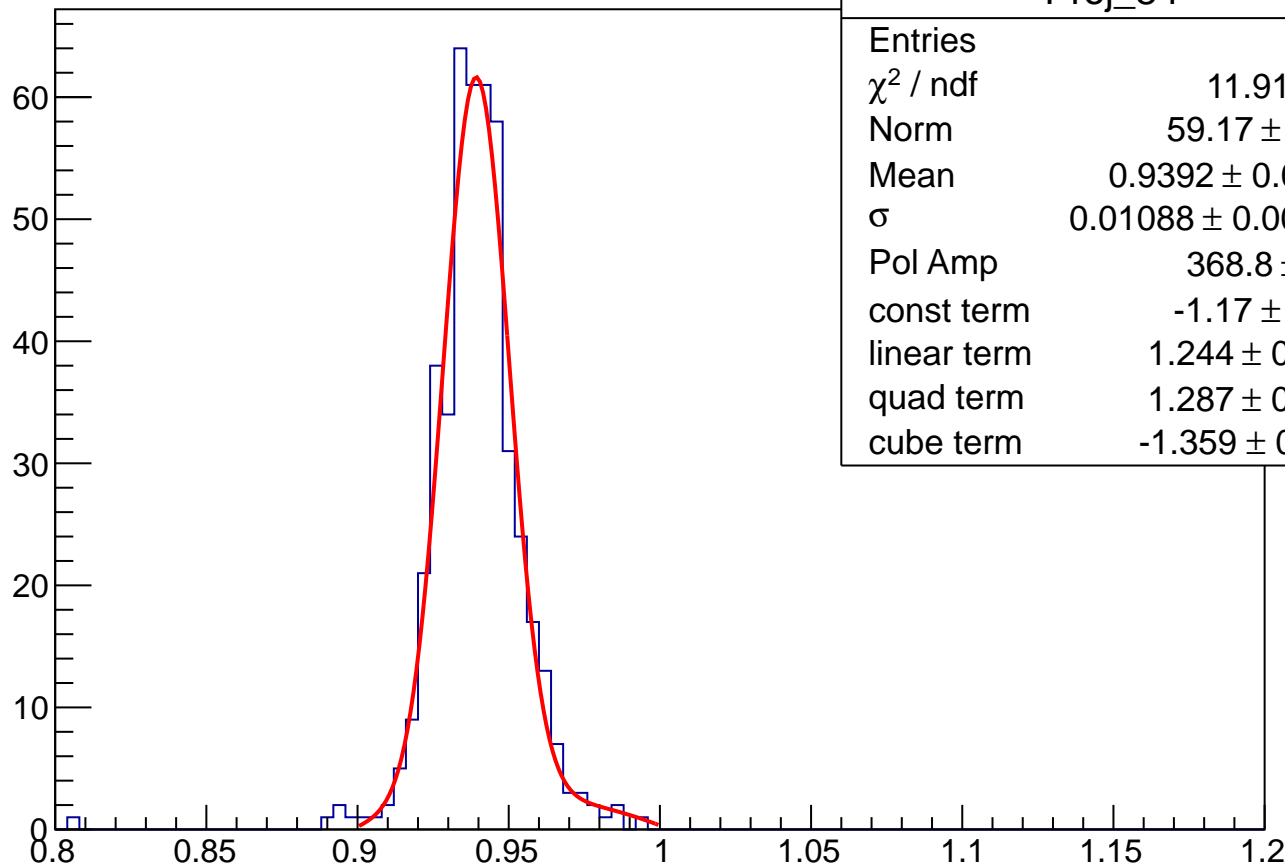
PhiThetaMassPip



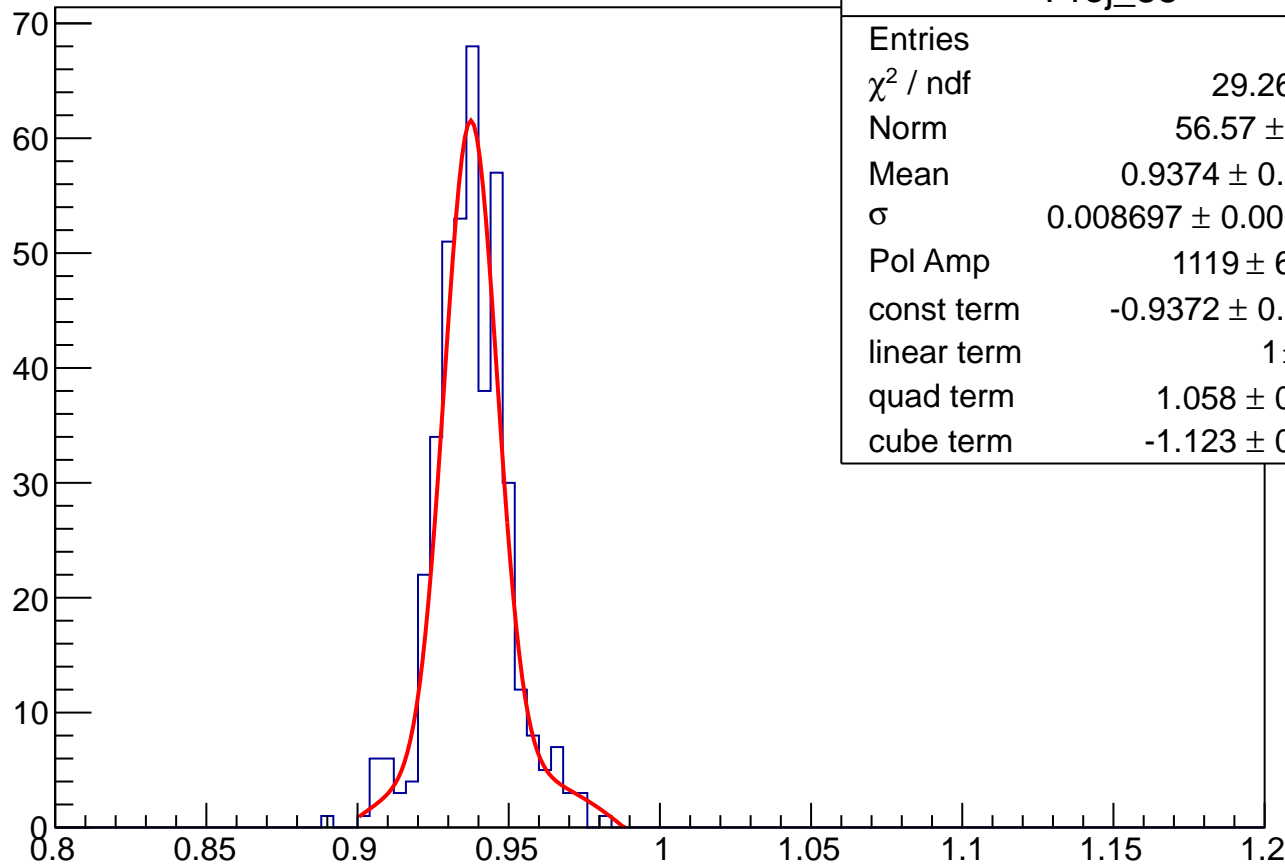
Proj_83

Entries	440
χ^2 / ndf	9.599 / 14
Norm	60.85 ± 4.20
Mean	0.9393 ± 0.0006
σ	0.009676 ± 0.000648
Pol Amp	573.9 ± 596.8
const term	-0.8031 ± 0.0078
linear term	0.8727 ± 0.0093
quad term	0.8849 ± 0.0096
cube term	-0.9553 ± 0.0086

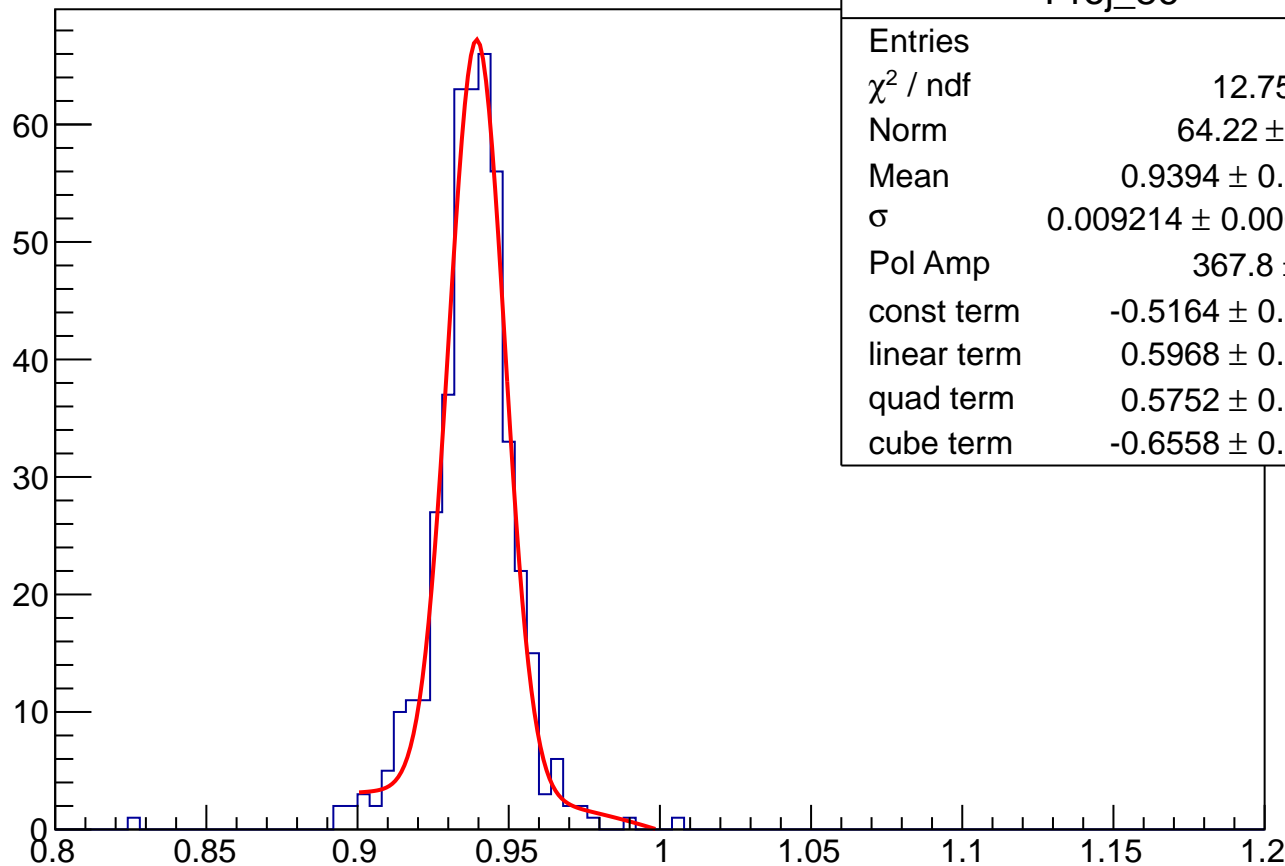
PhiThetaMassPip



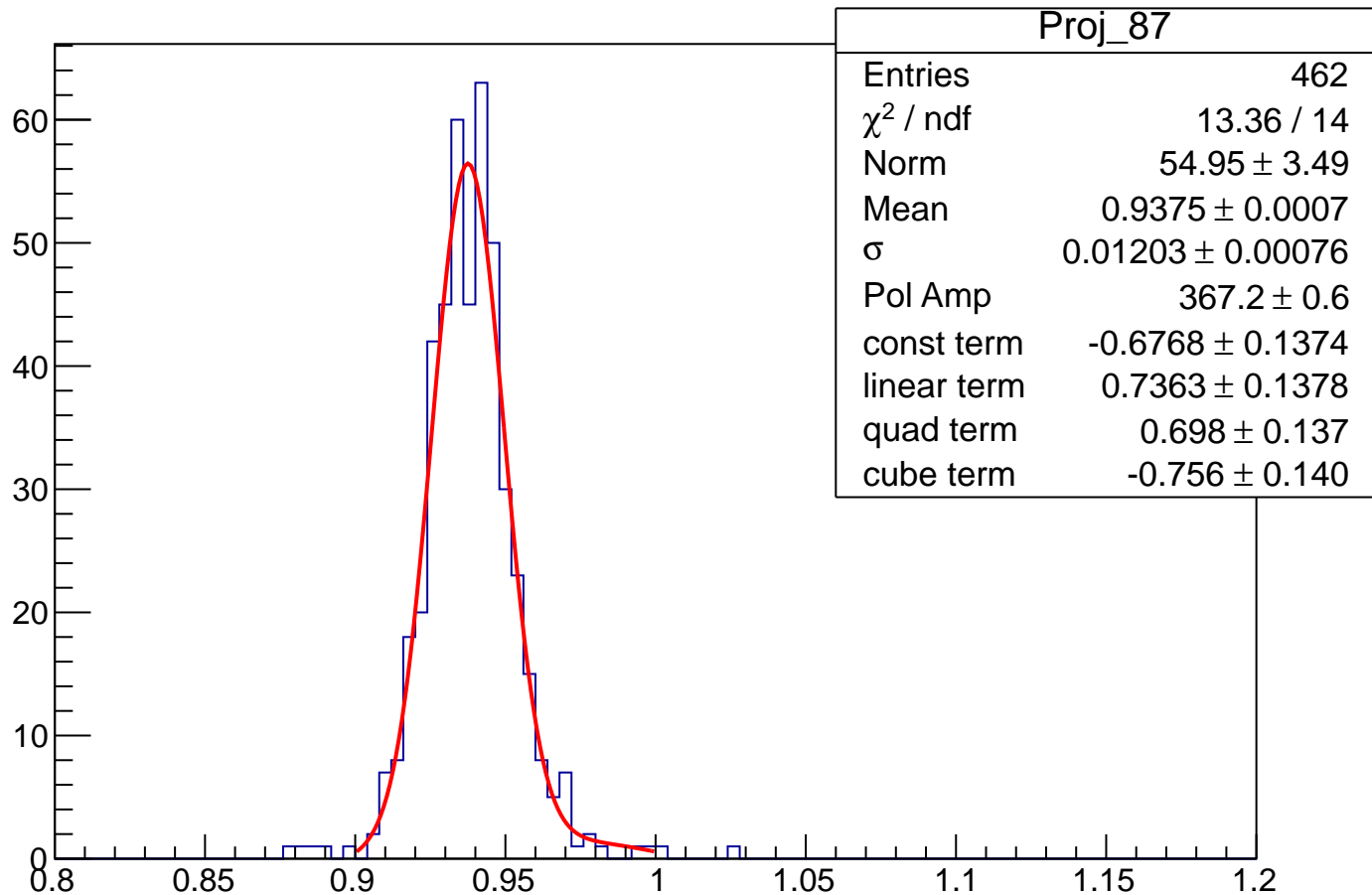
PhiThetaMassPip



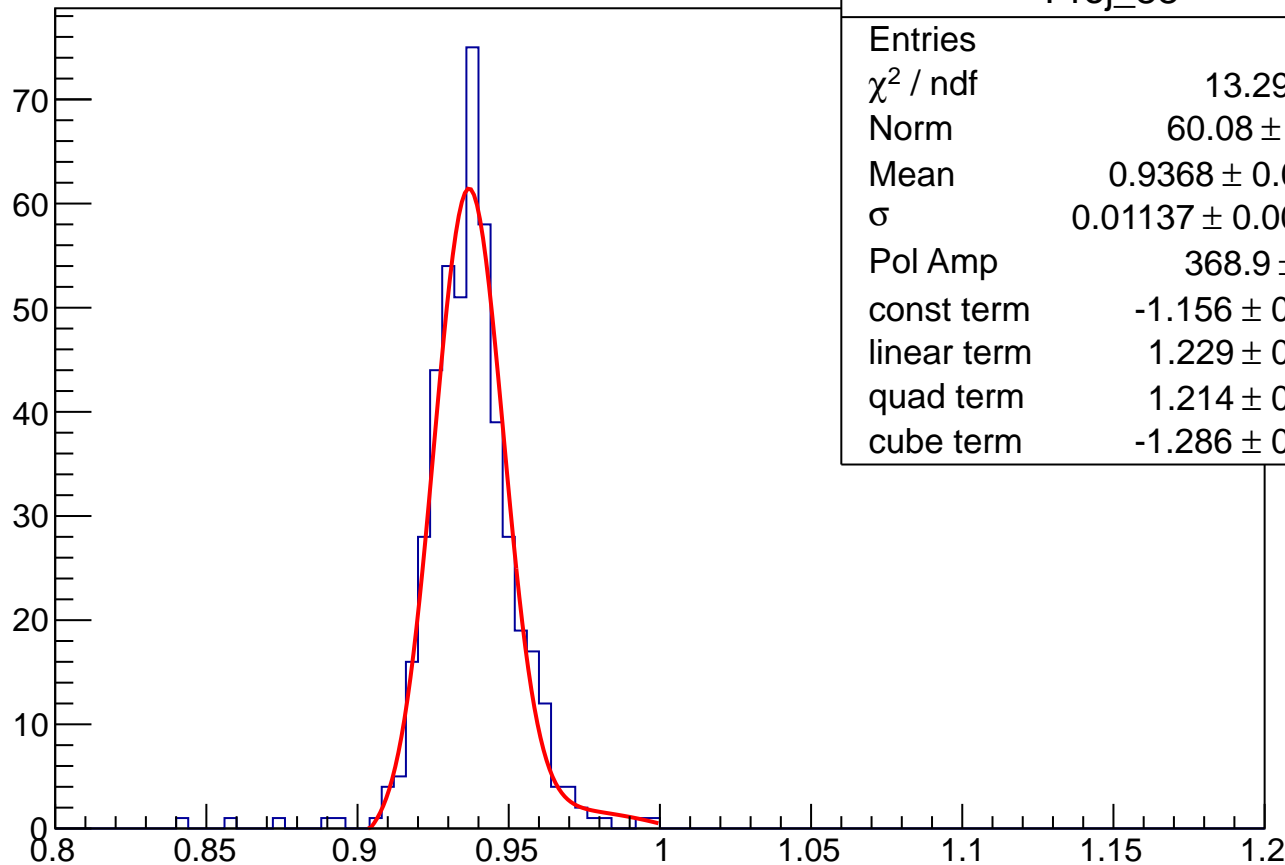
PhiThetaMassPip



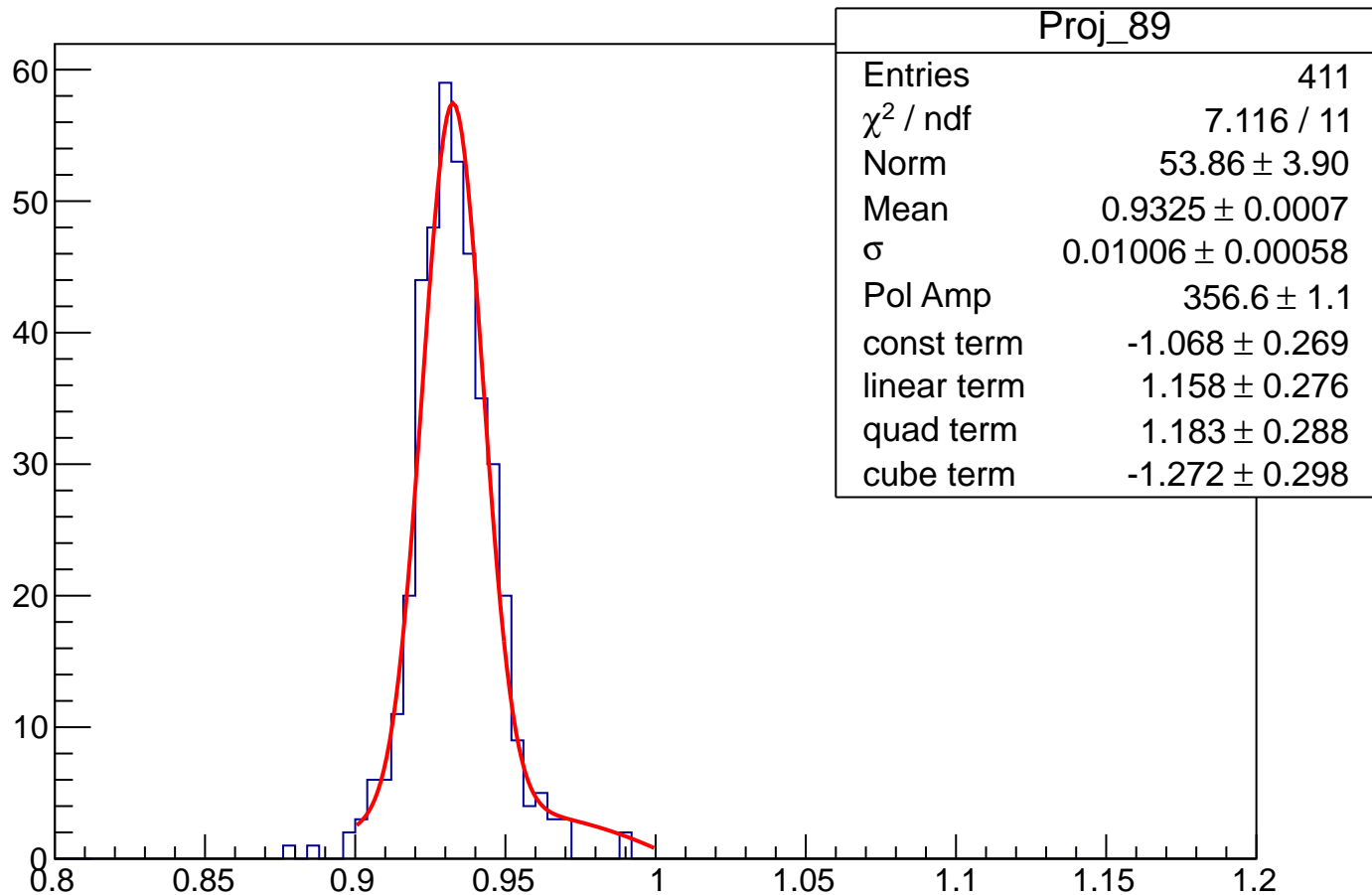
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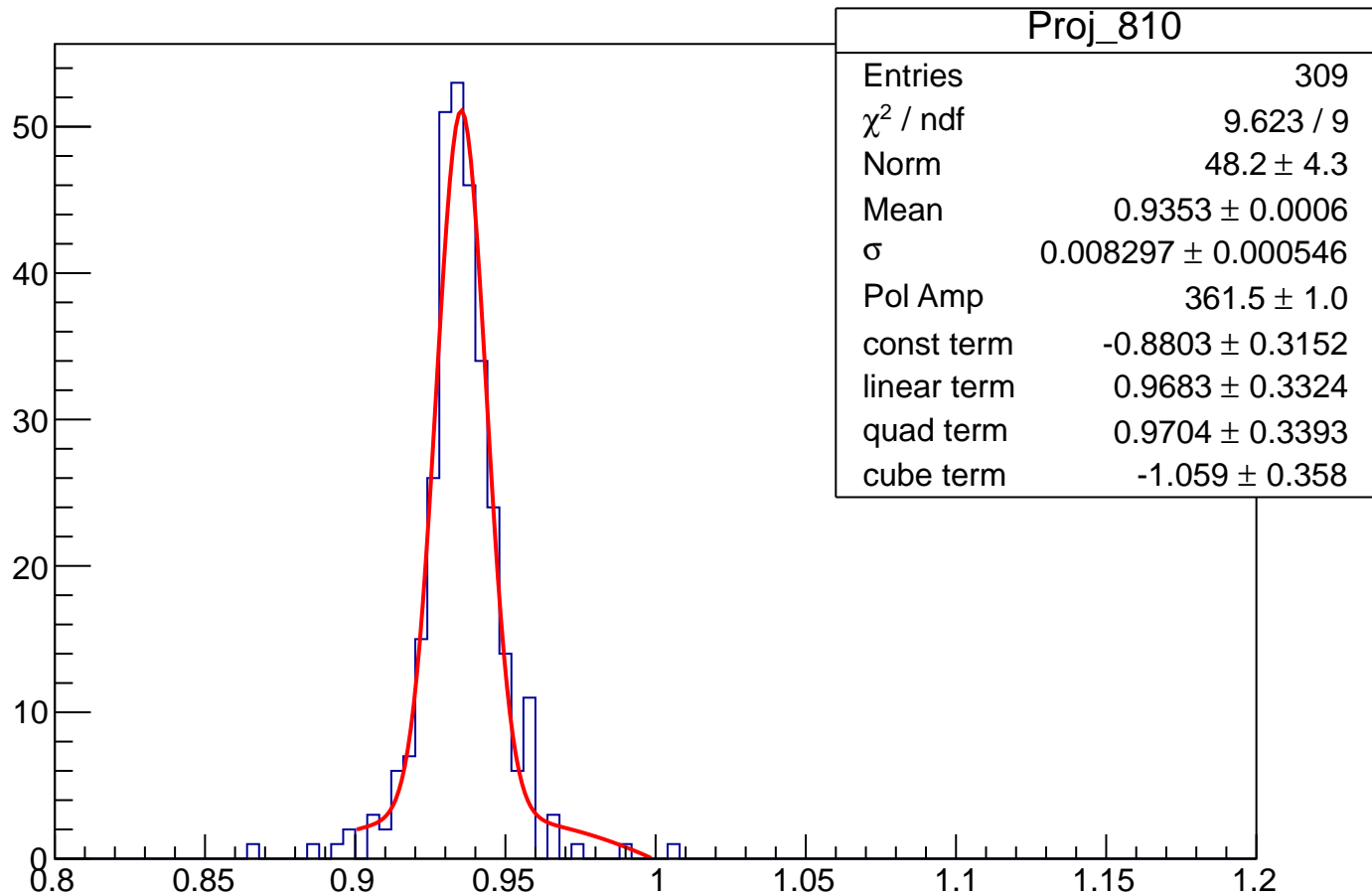
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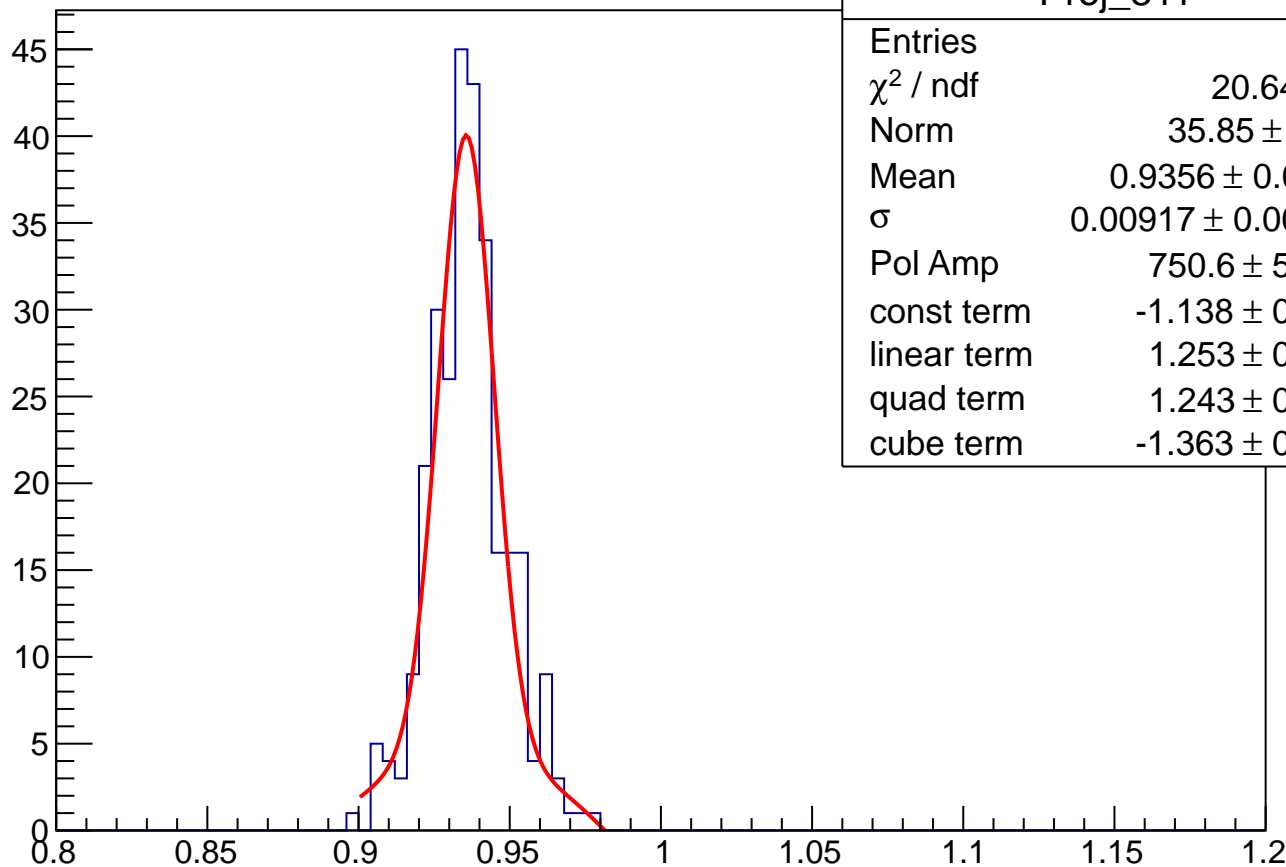
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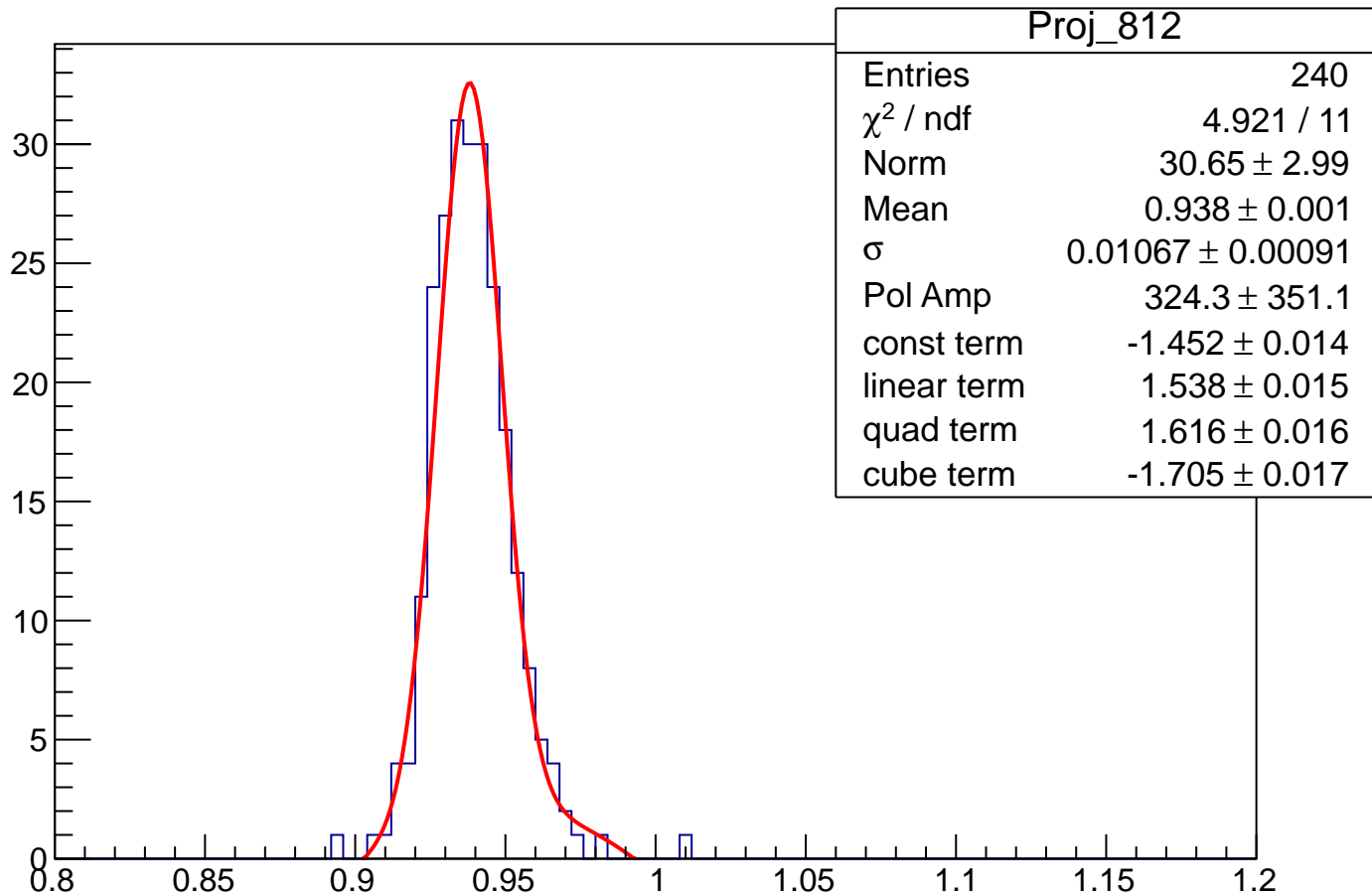
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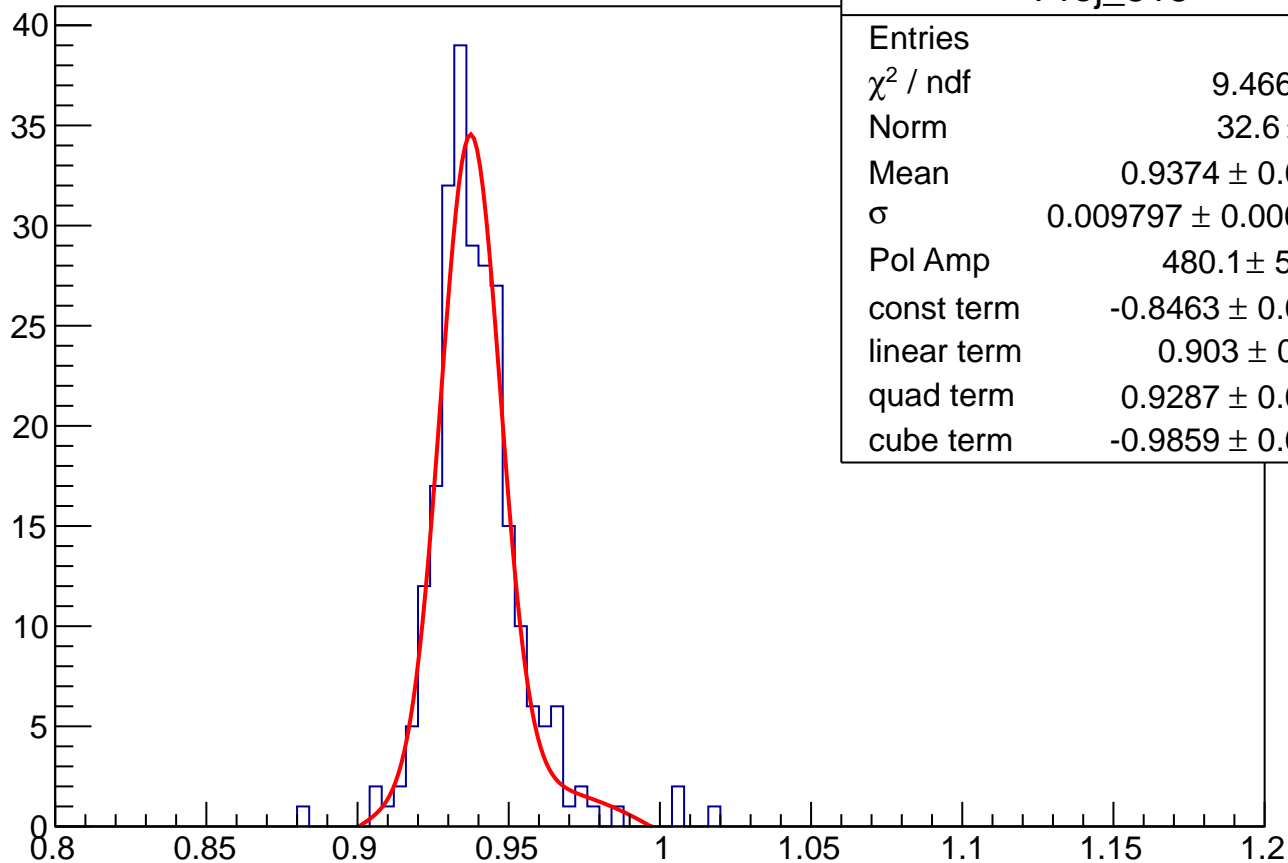
PhiThetaMassPip



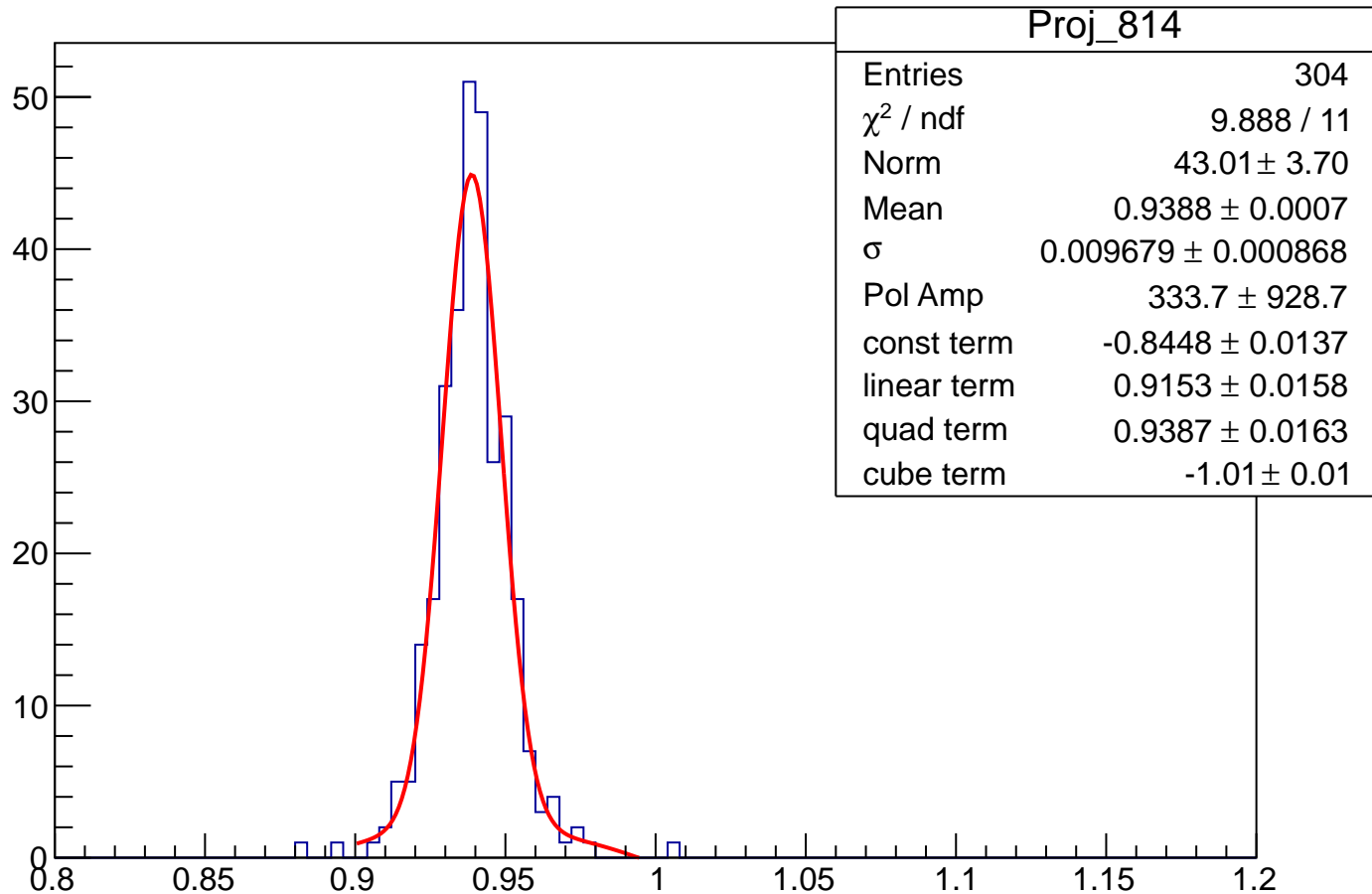
PhiThetaMassPip



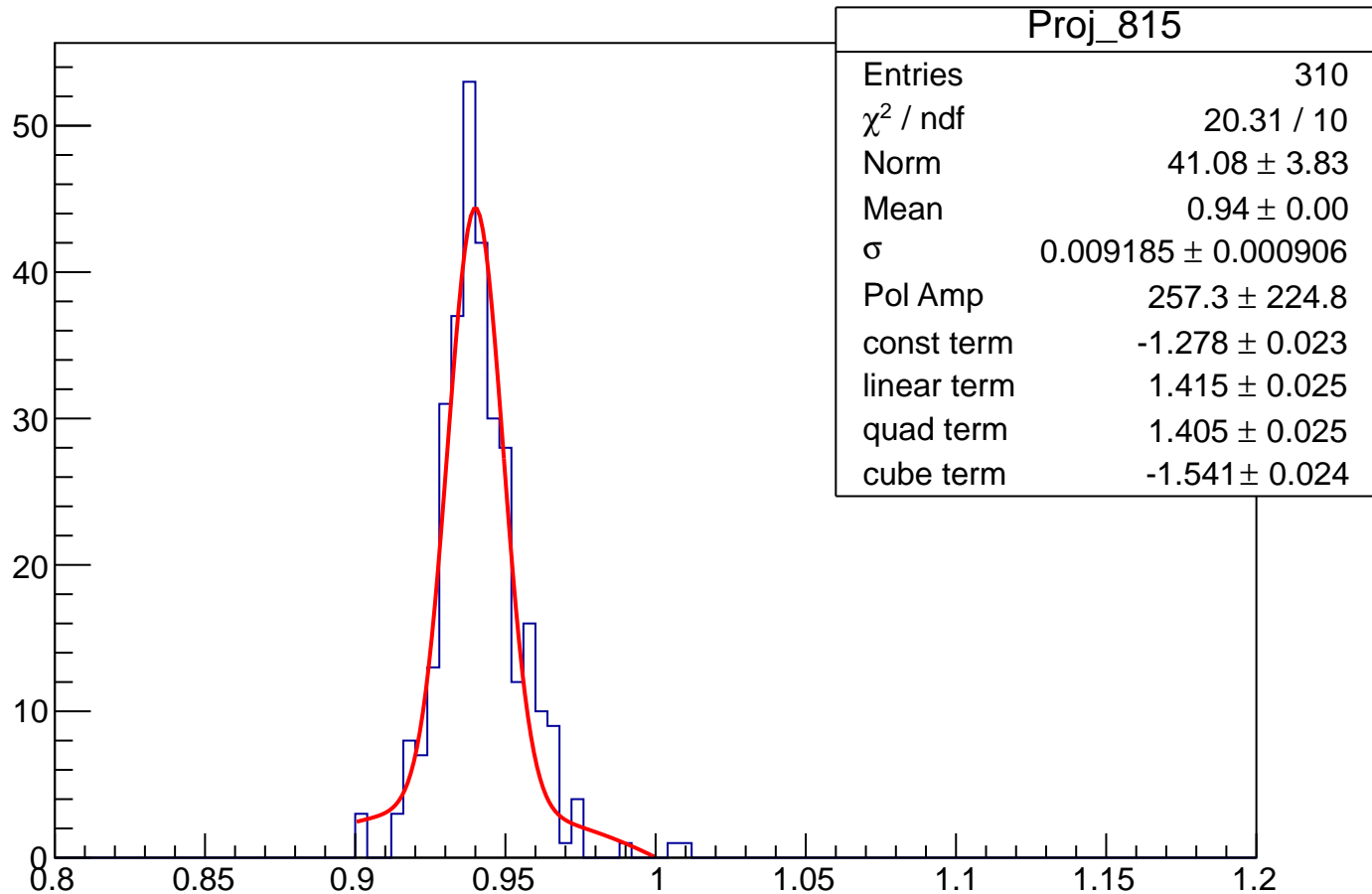
PhiThetaMassPip



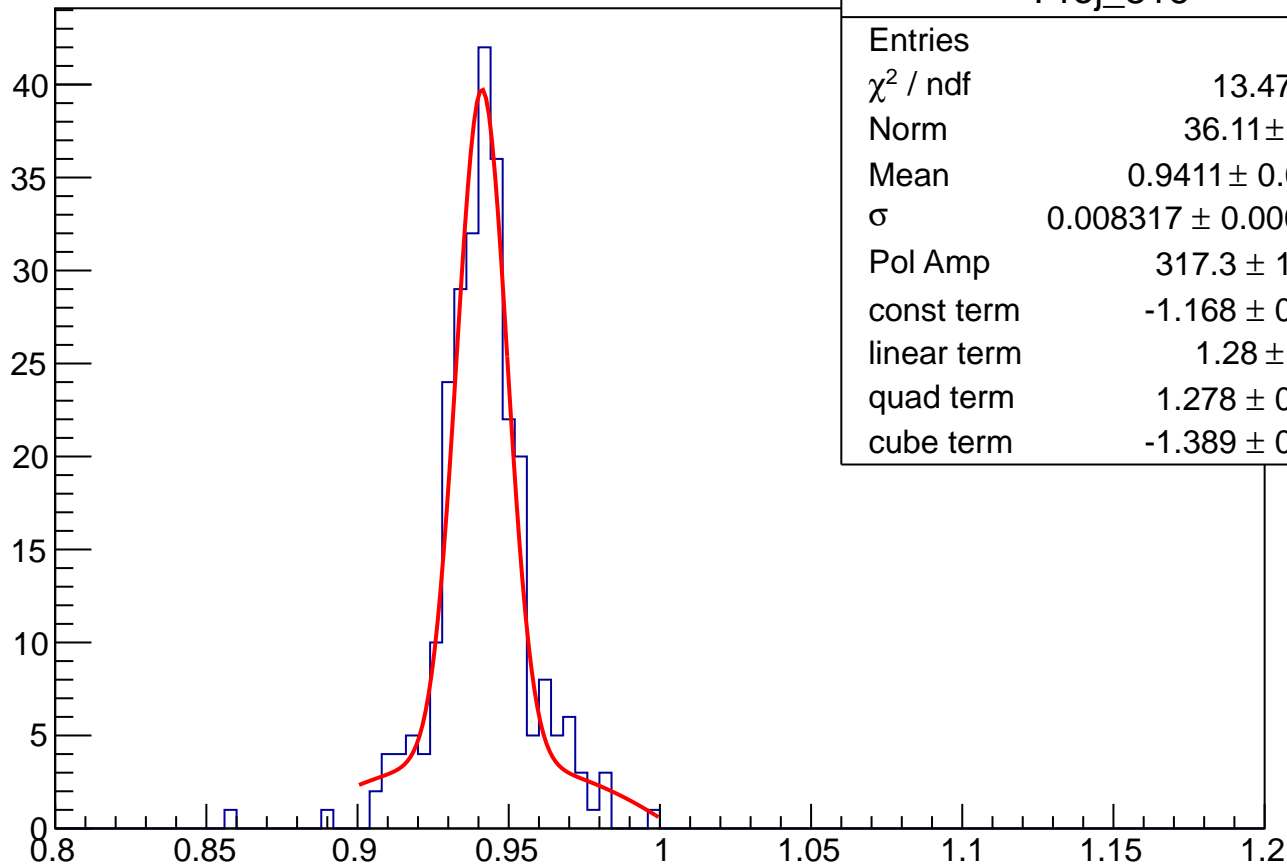
PhiThetaMassPip



PhiThetaMassPip



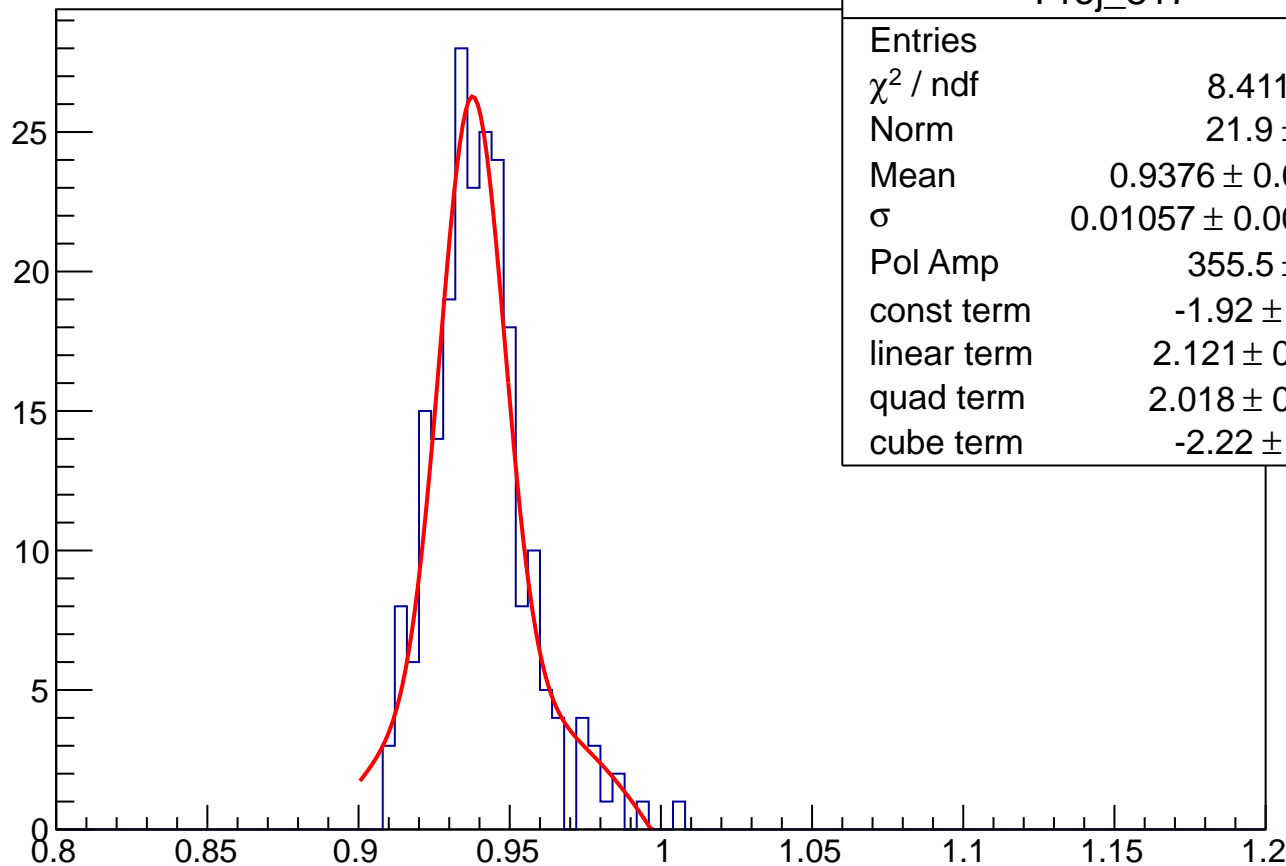
PhiThetaMassPip



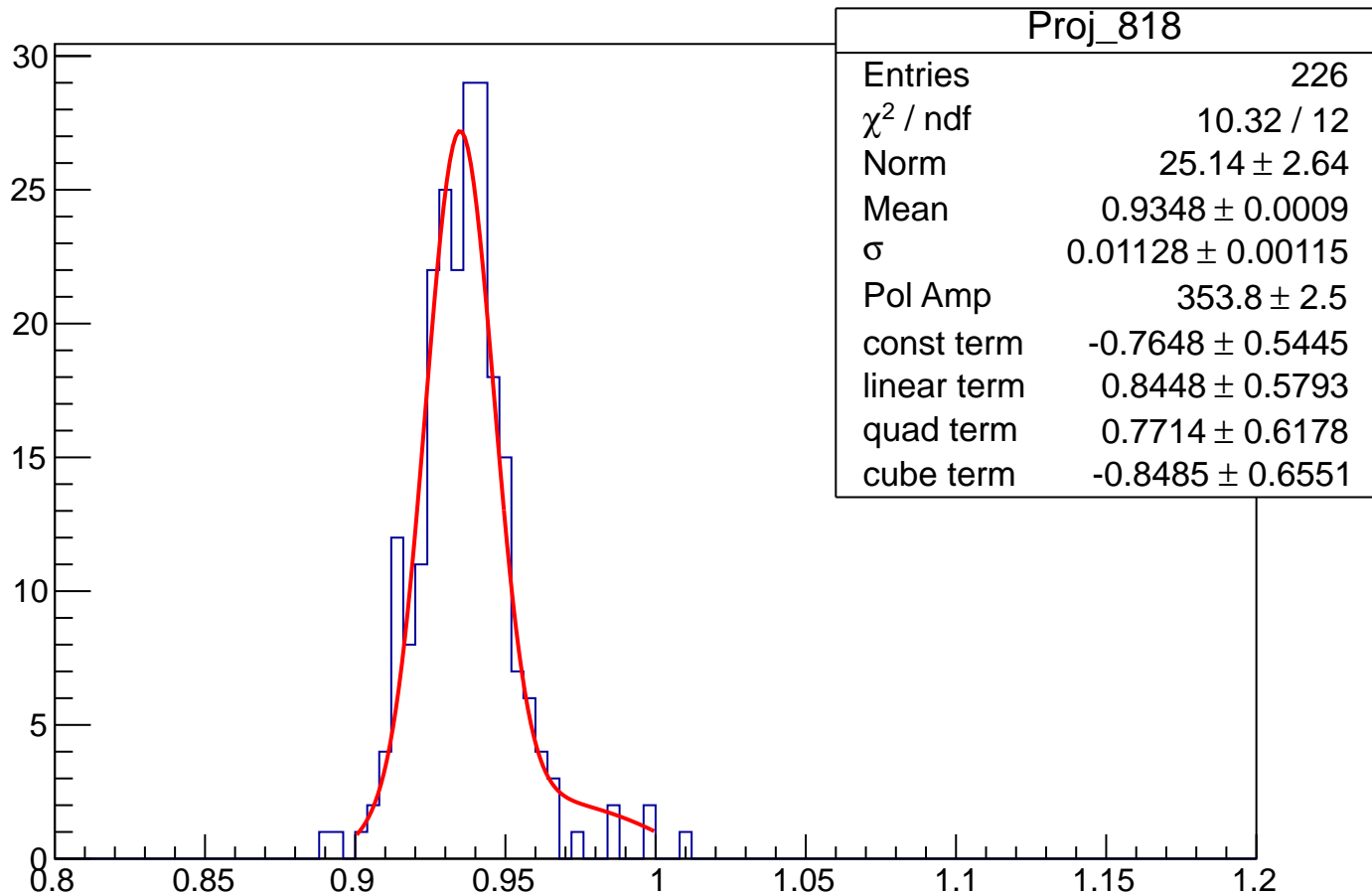
Proj_816

Entries	268
χ^2 / ndf	13.47 / 13
Norm	36.11 ± 3.55
Mean	0.9411 ± 0.0007
σ	0.008317 ± 0.000703
Pol Amp	317.3 ± 193.3
const term	-1.168 ± 0.015
linear term	1.28 ± 0.02
quad term	1.278 ± 0.018
cube term	-1.389 ± 0.017

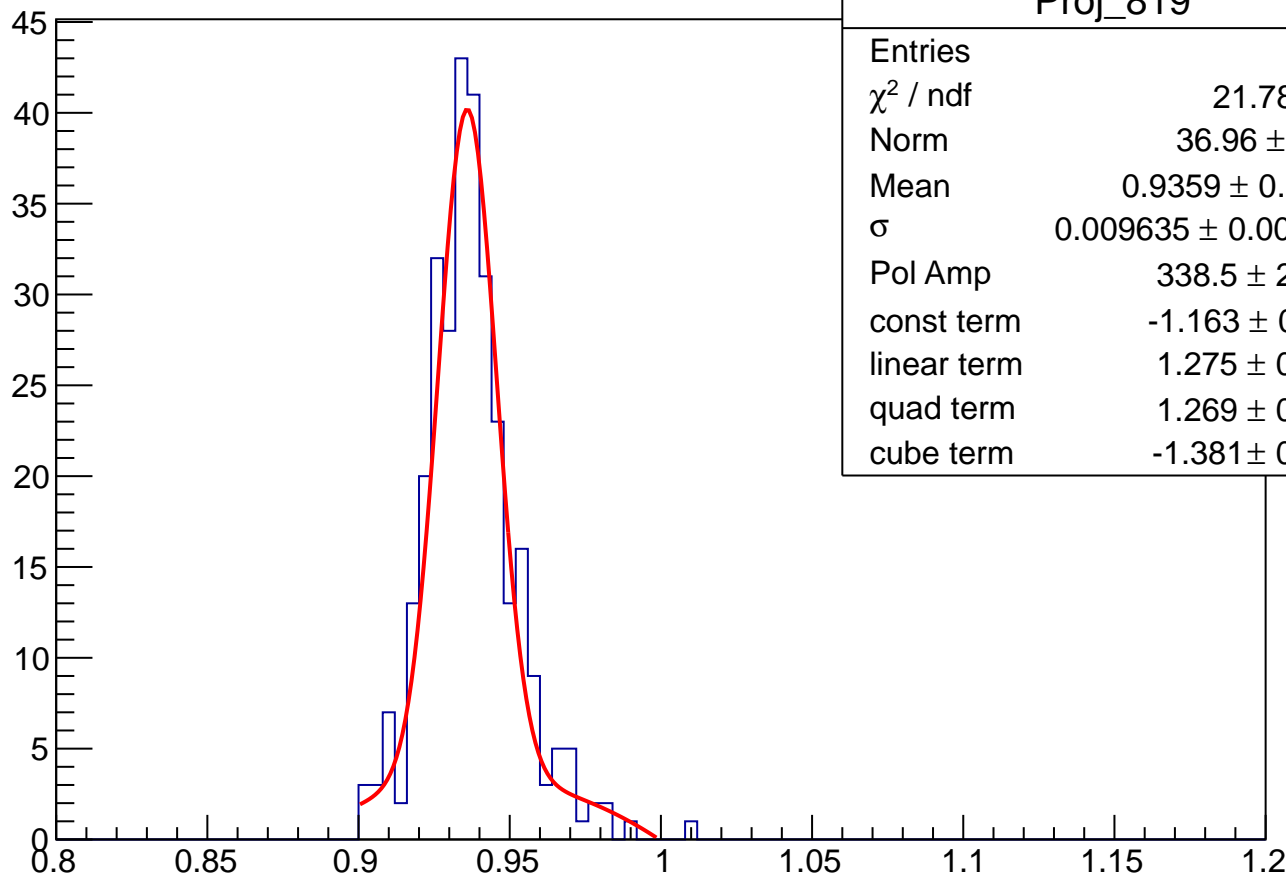
PhiThetaMassPip



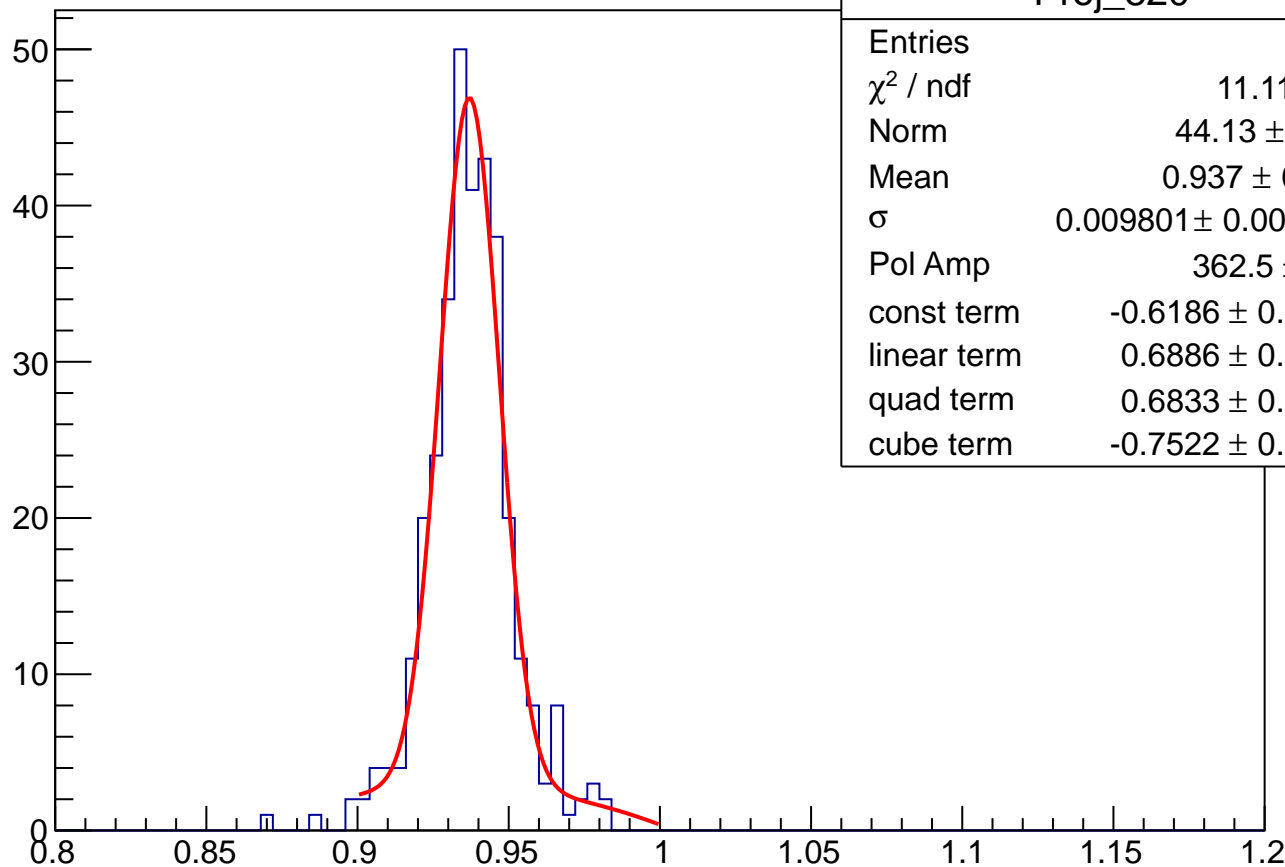
PhiThetaMassPip



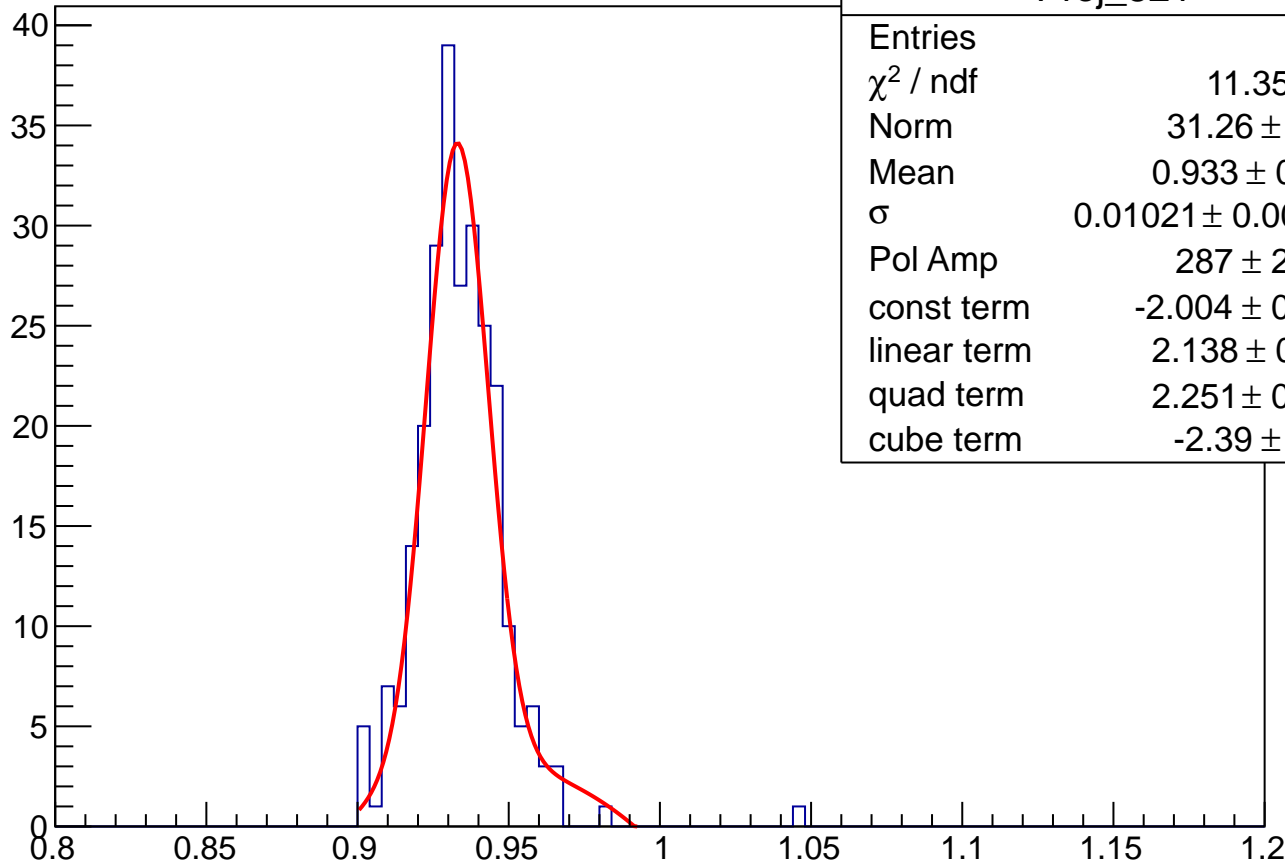
PhiThetaMassPip



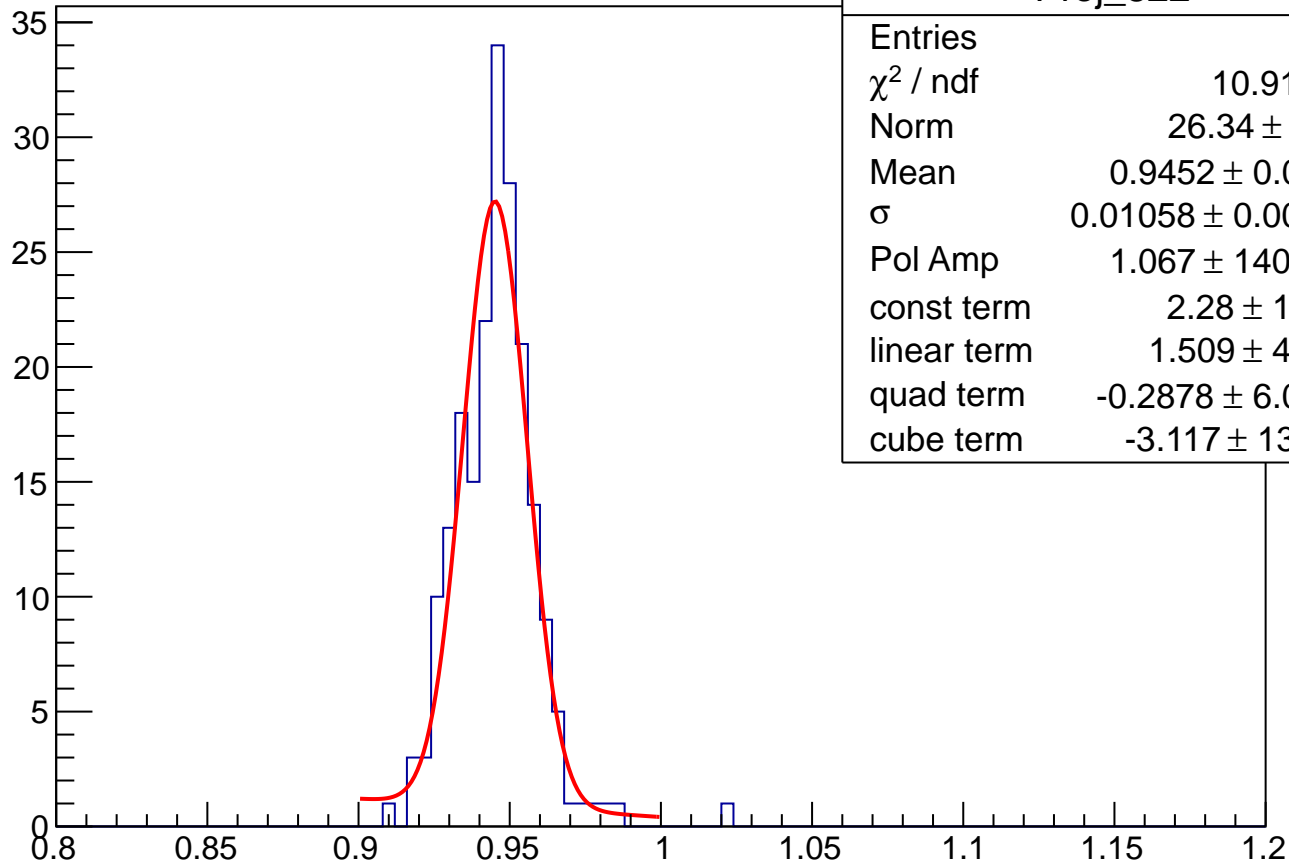
PhiThetaMassPip



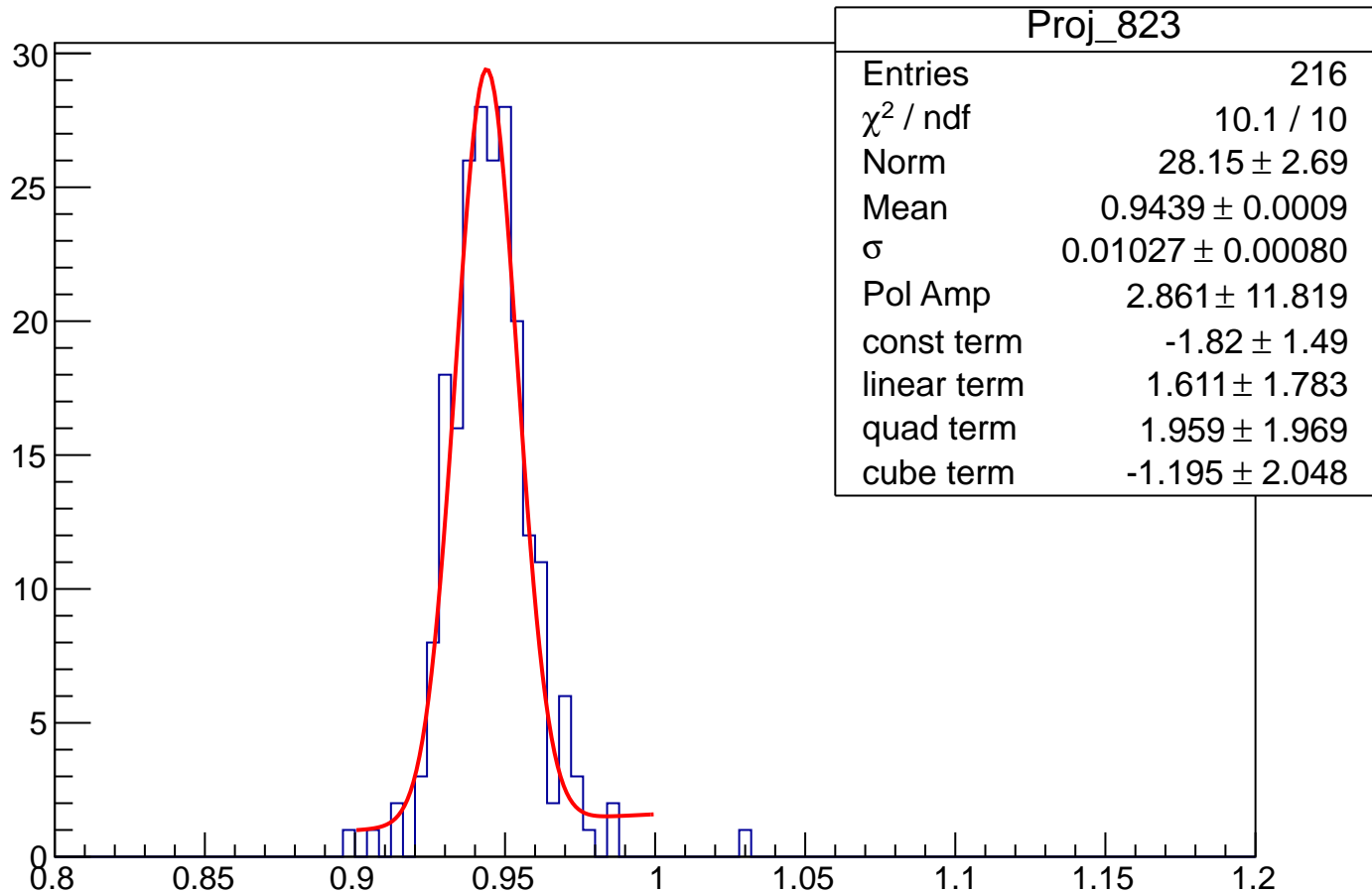
PhiThetaMassPip



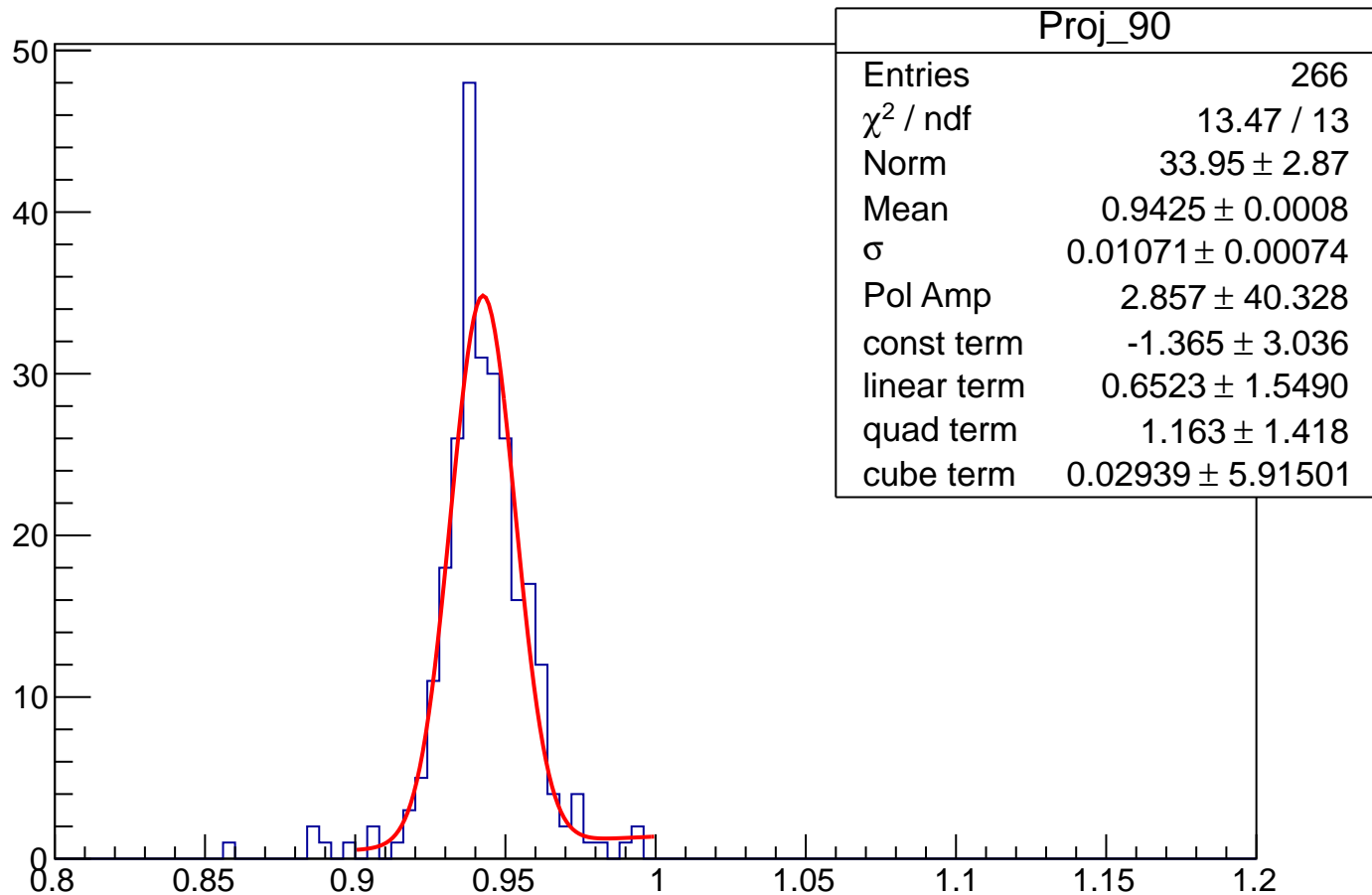
PhiThetaMassPip



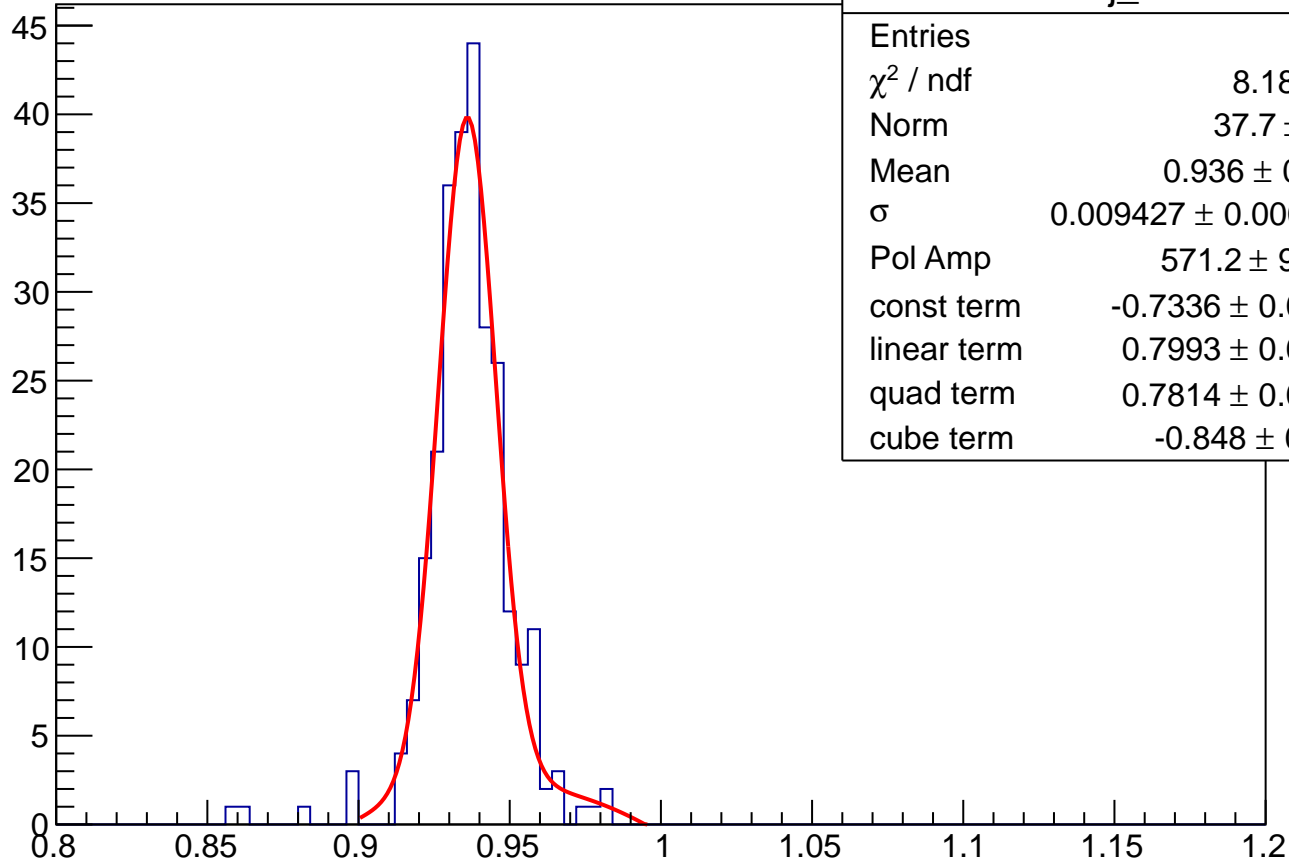
PhiThetaMassPip



PhiThetaMassPip



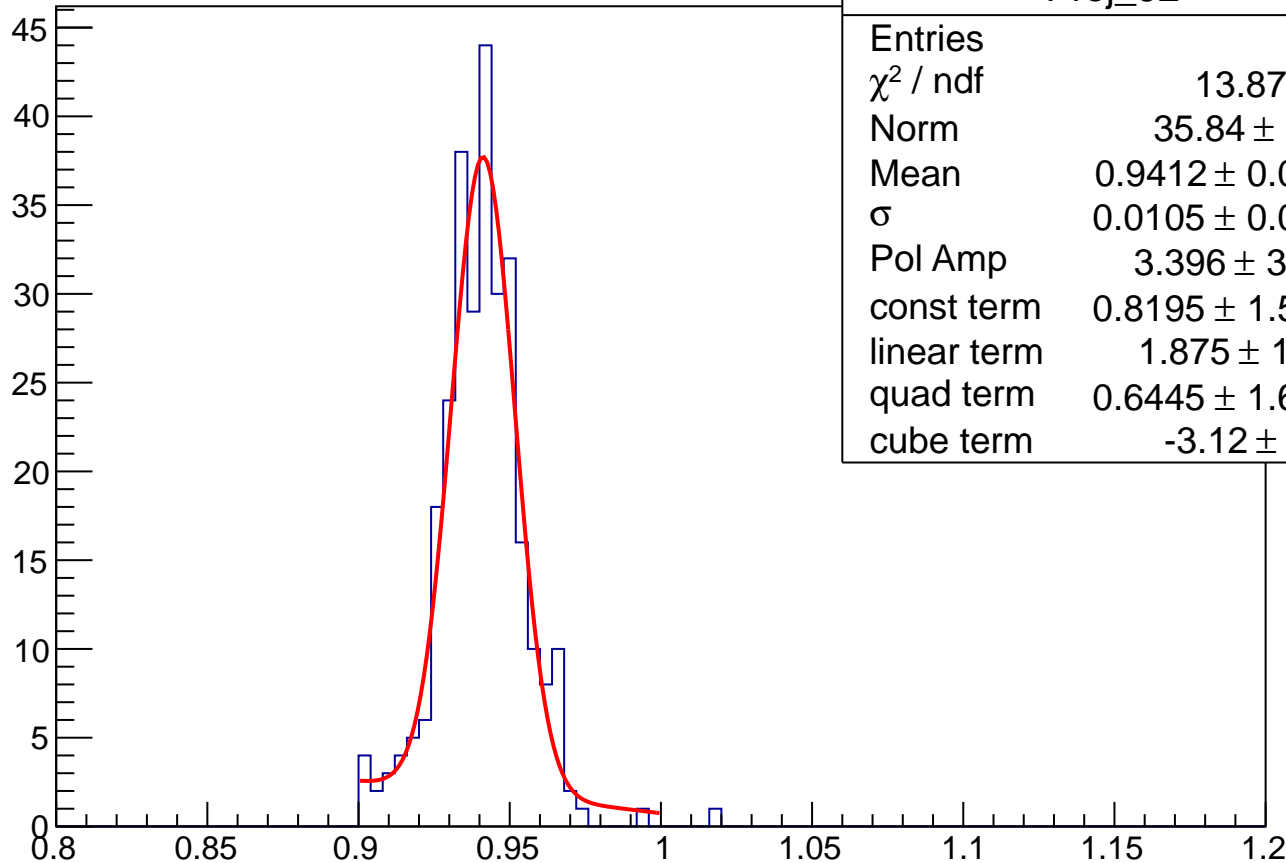
PhiThetaMassPip



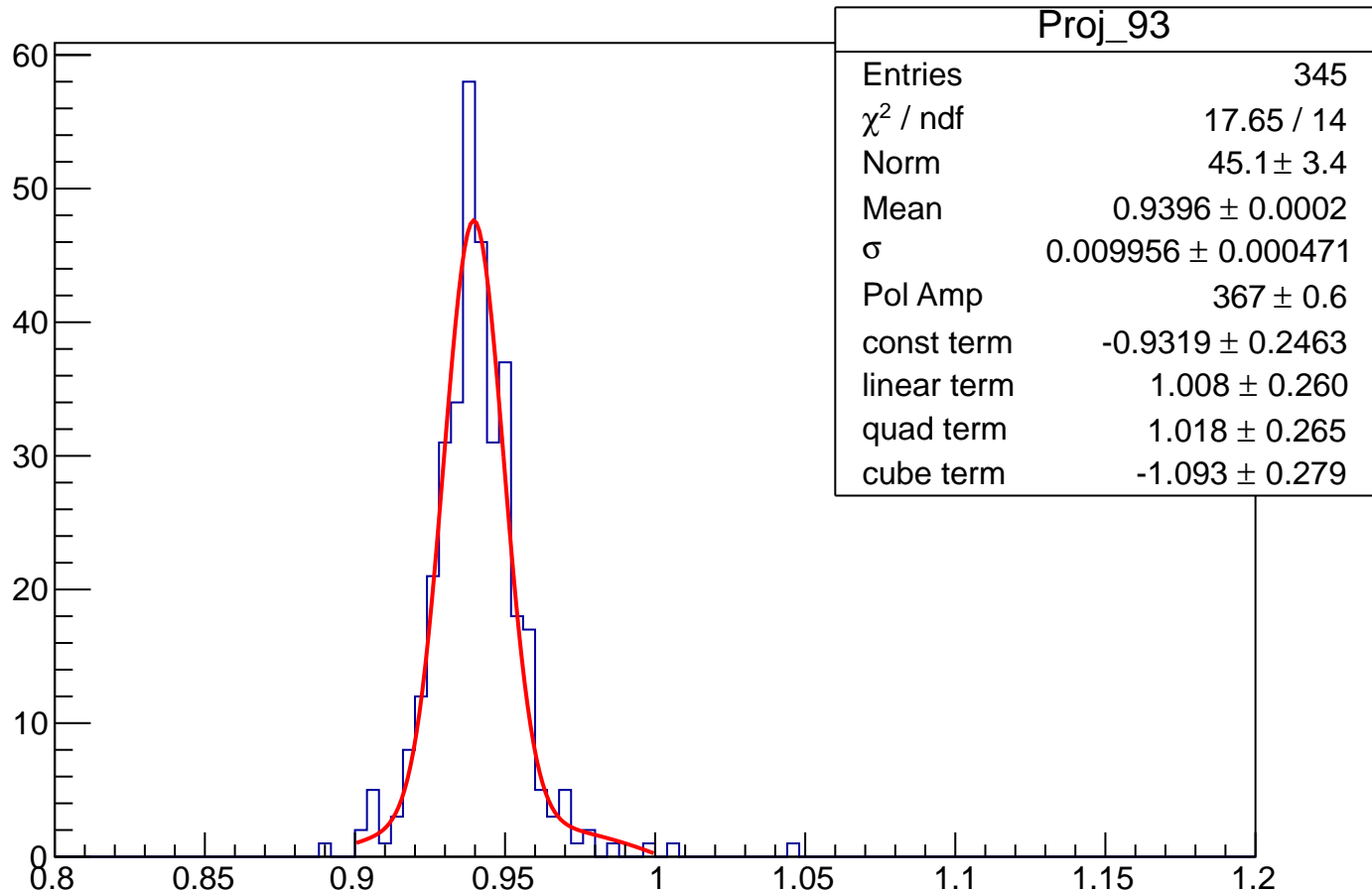
Proj_91

Entries	267
χ^2 / ndf	8.183 / 9
Norm	37.7 ± 3.5
Mean	0.936 ± 0.001
σ	0.009427 ± 0.000852
Pol Amp	571.2 ± 989.0
const term	-0.7336 ± 0.0098
linear term	0.7993 ± 0.0103
quad term	0.7814 ± 0.0106
cube term	-0.848 ± 0.011

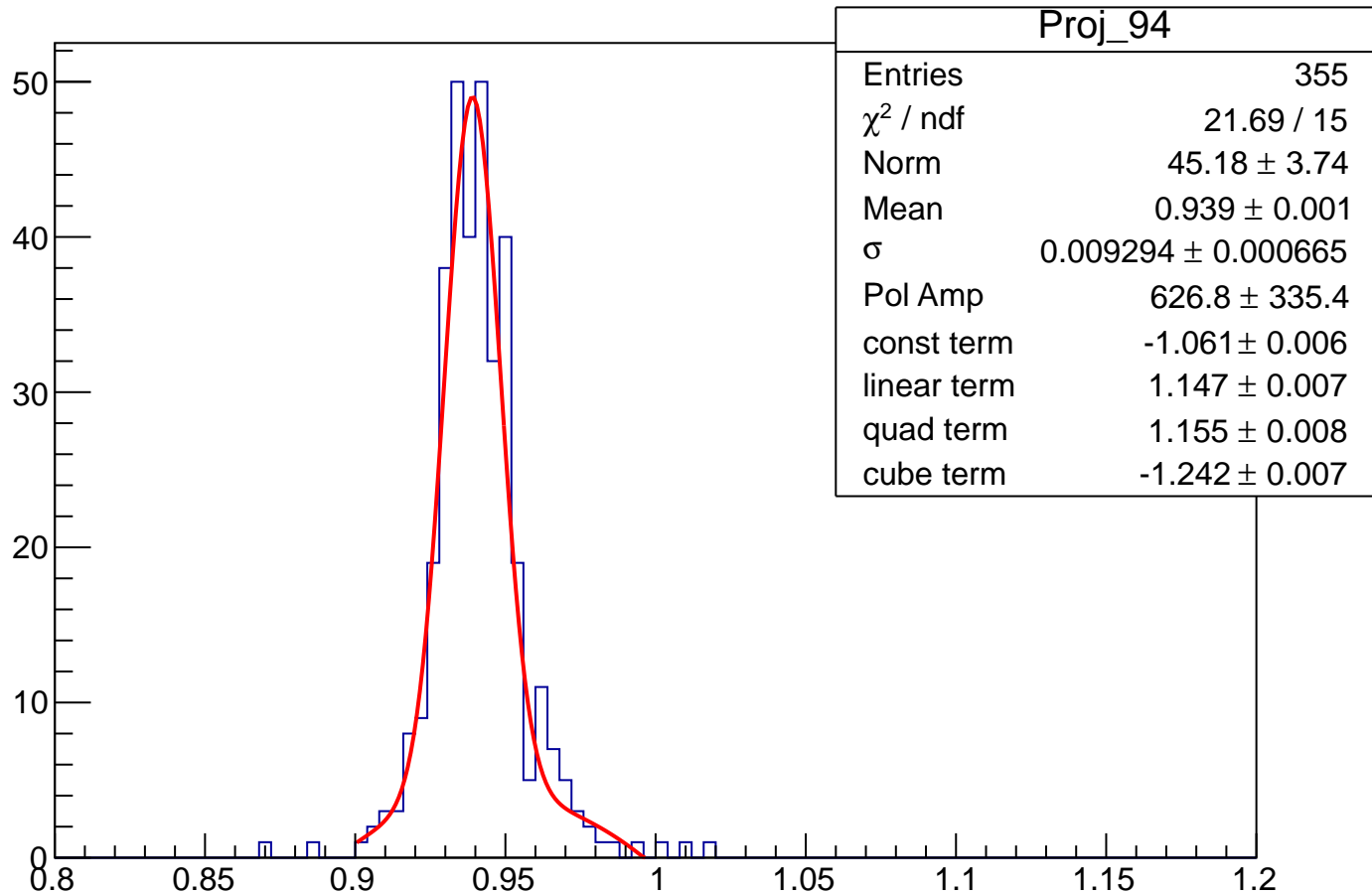
PhiThetaMassPip



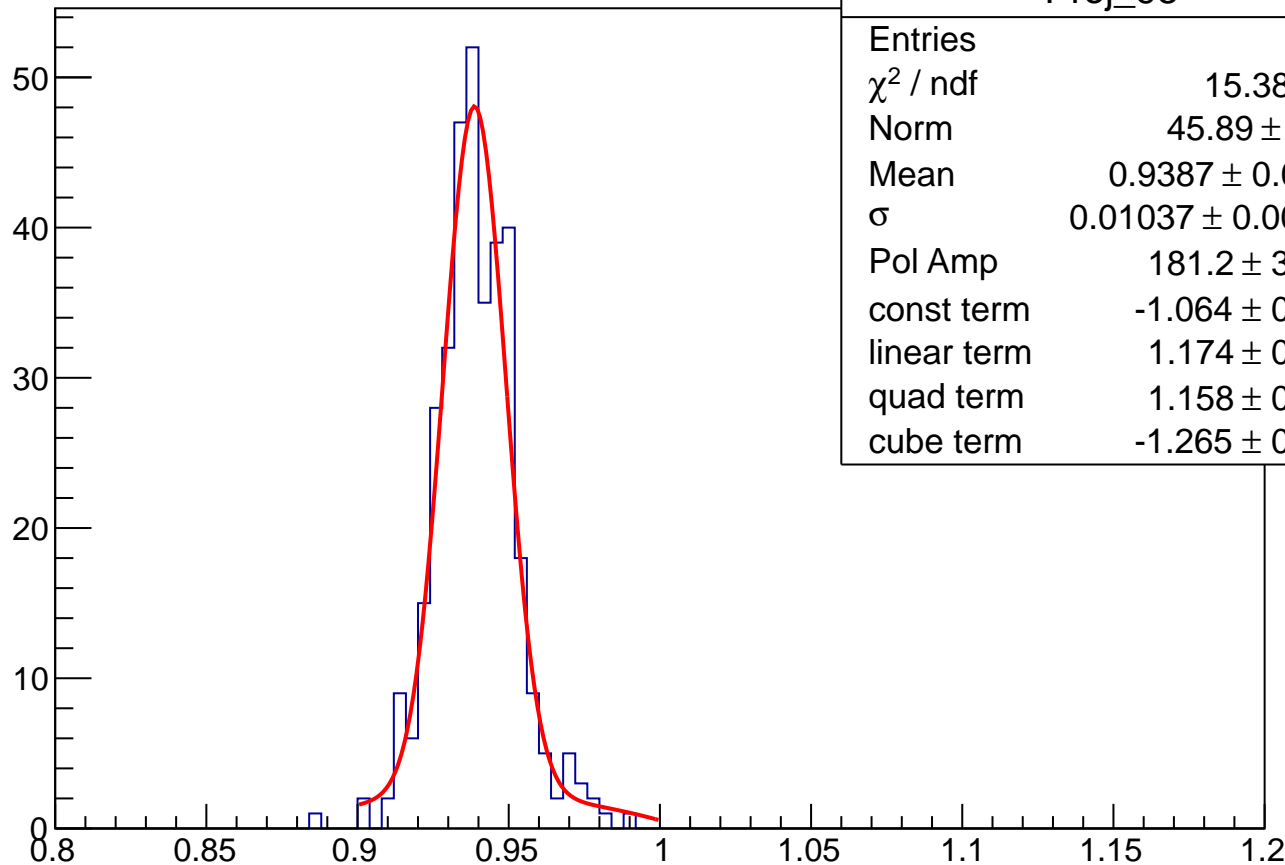
PhiThetaMassPip



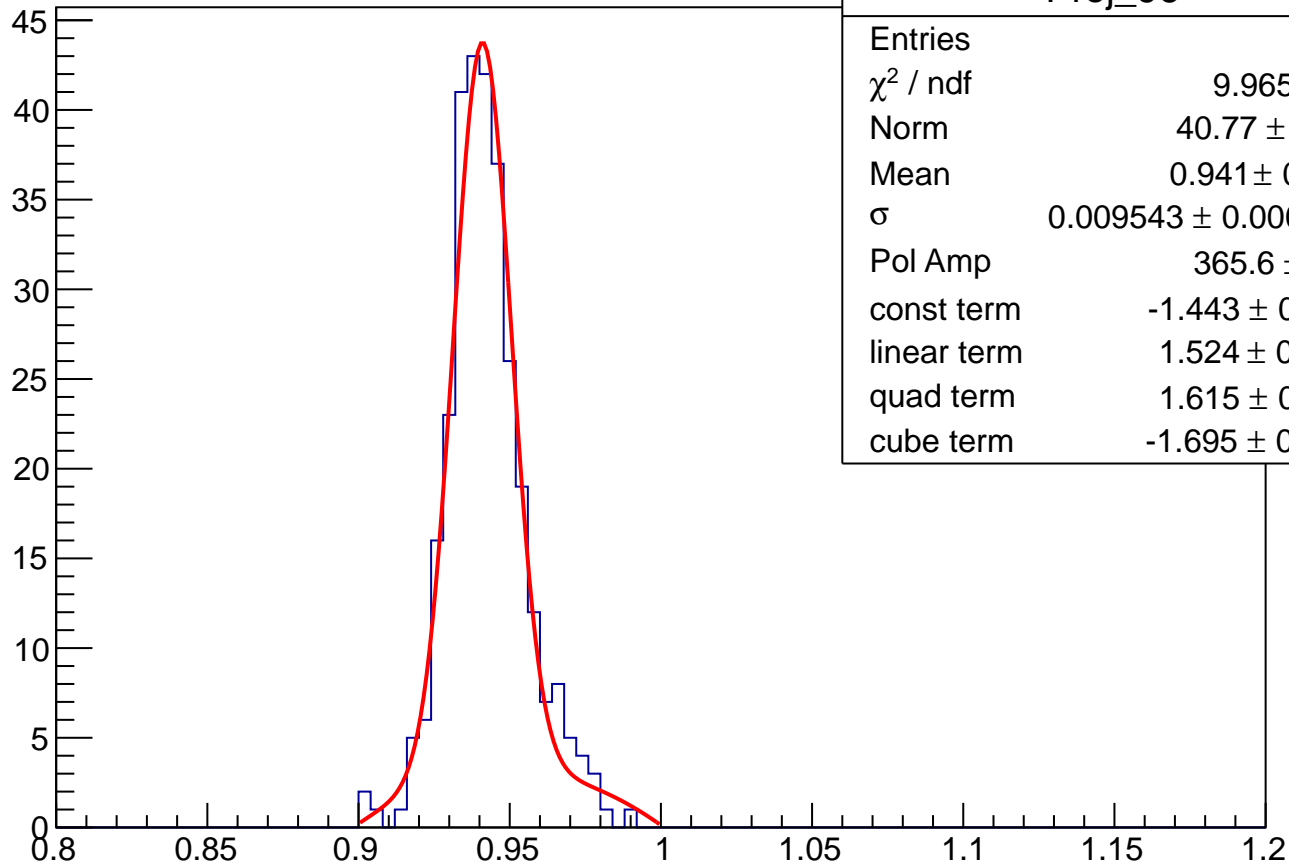
PhiThetaMassPip



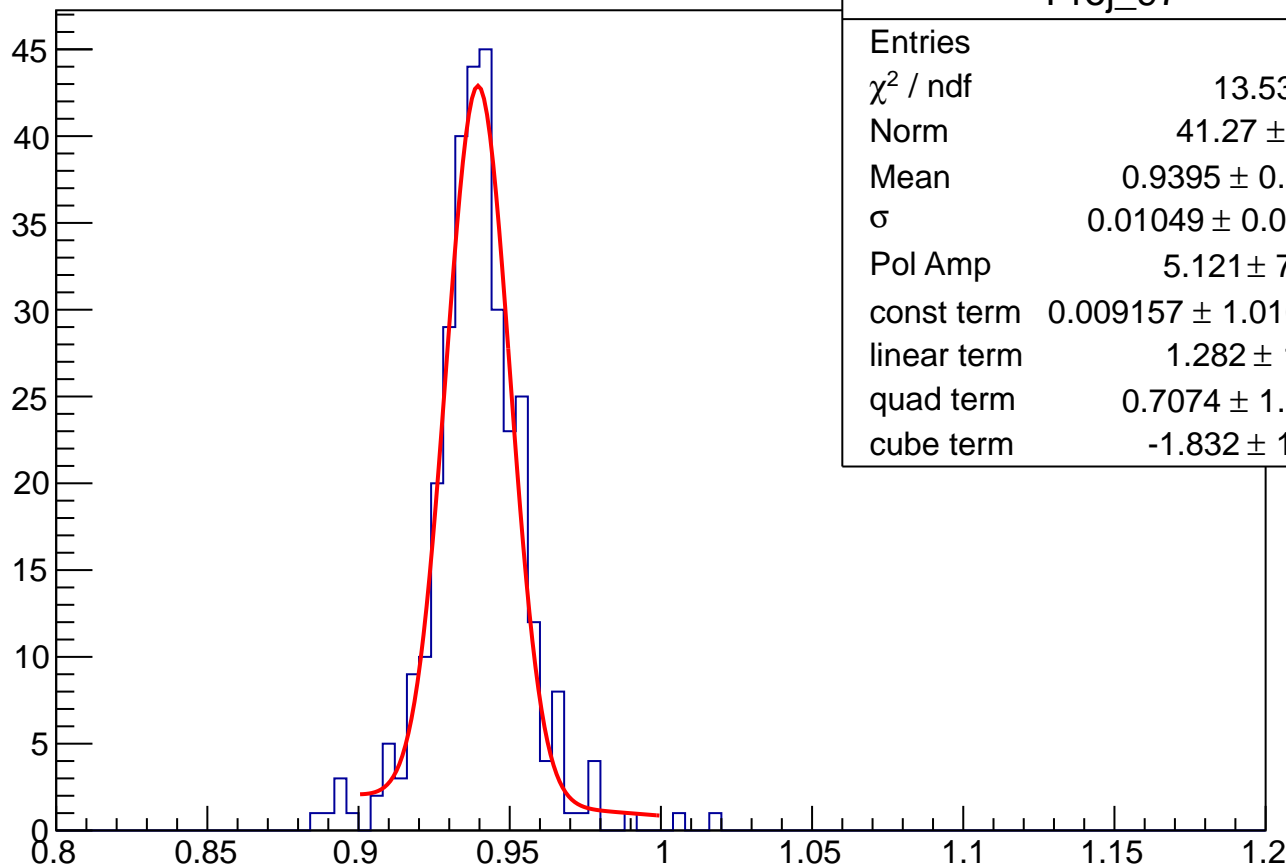
PhiThetaMassPip



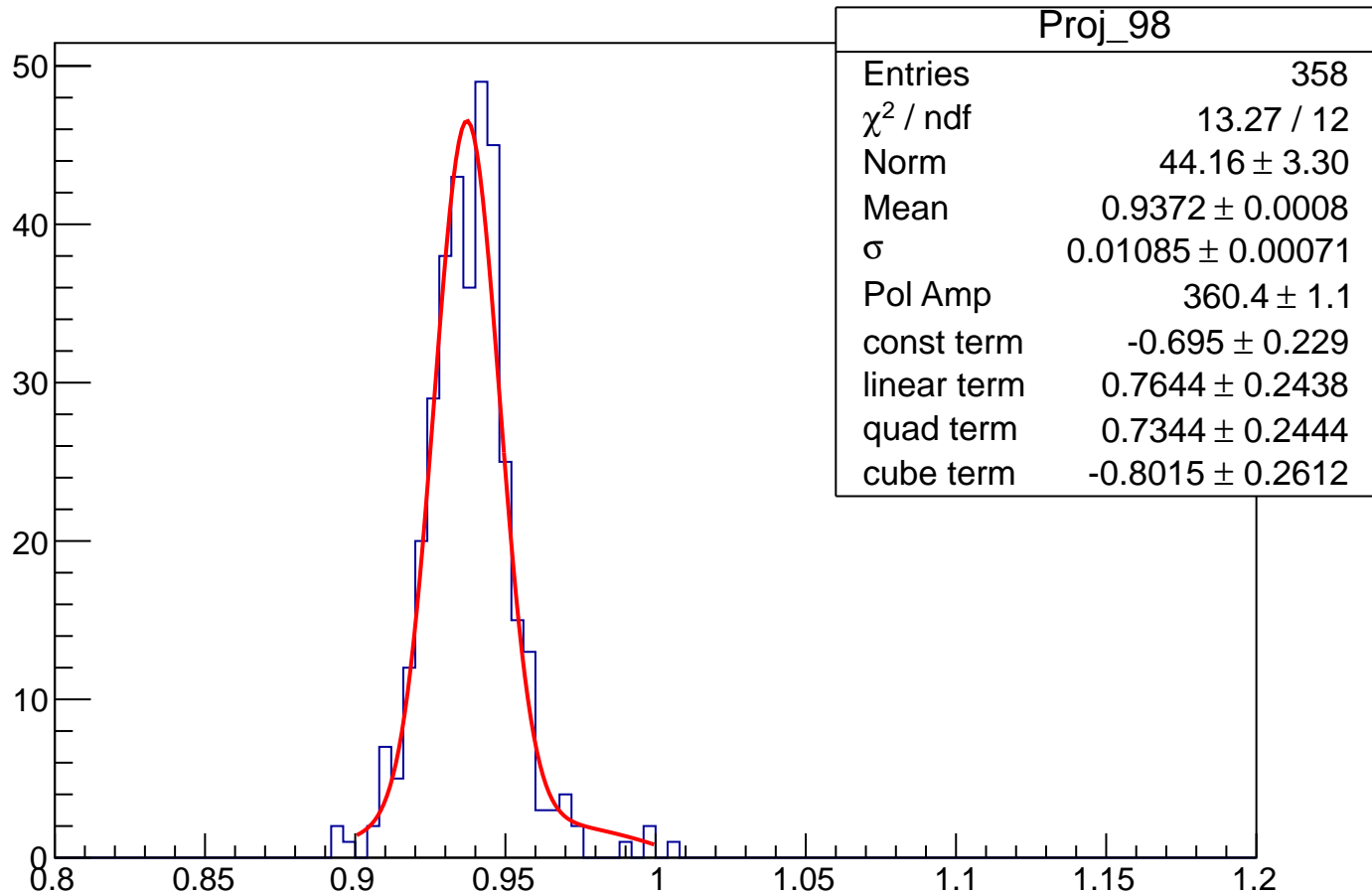
PhiThetaMassPip



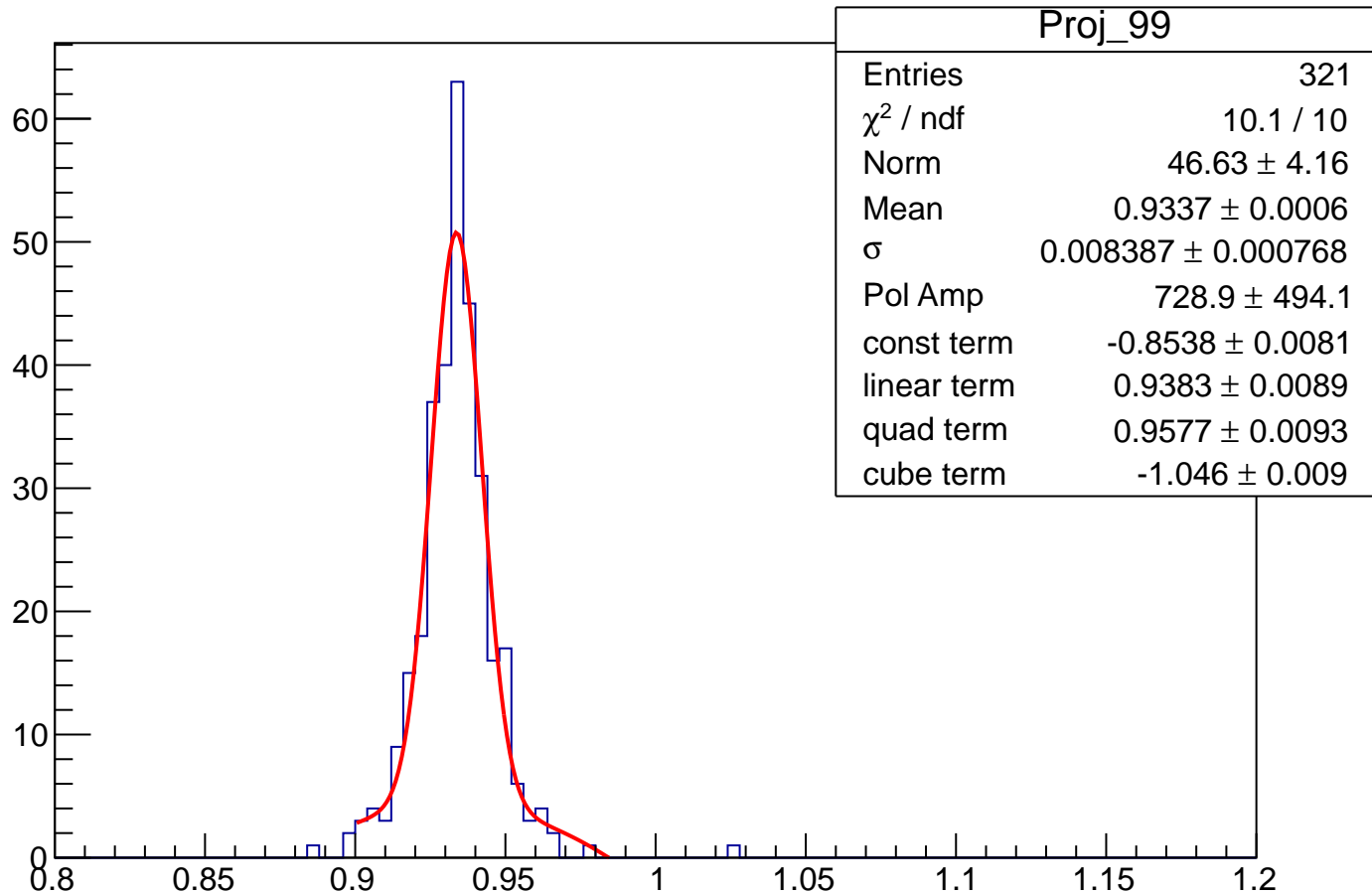
PhiThetaMassPip



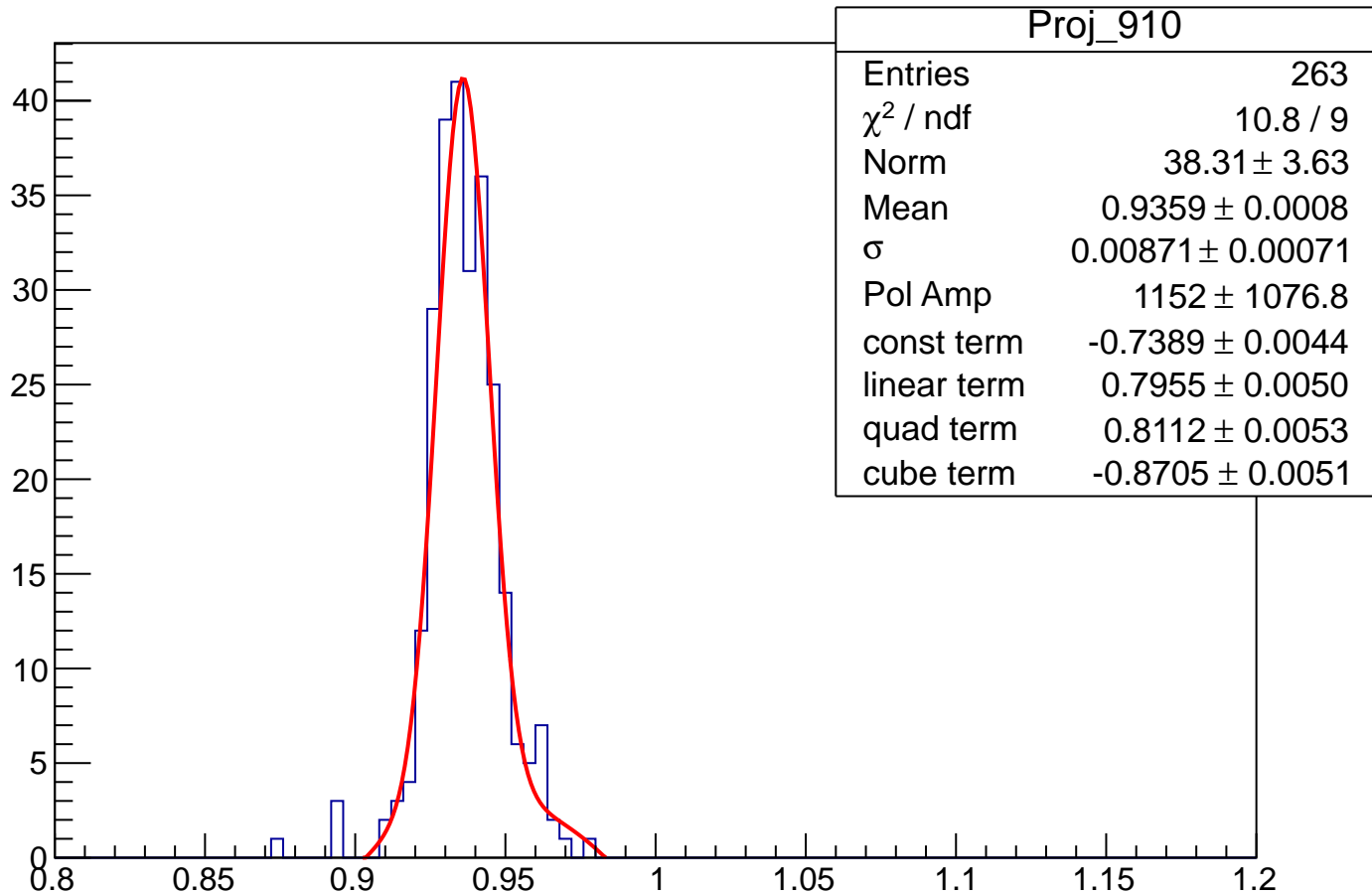
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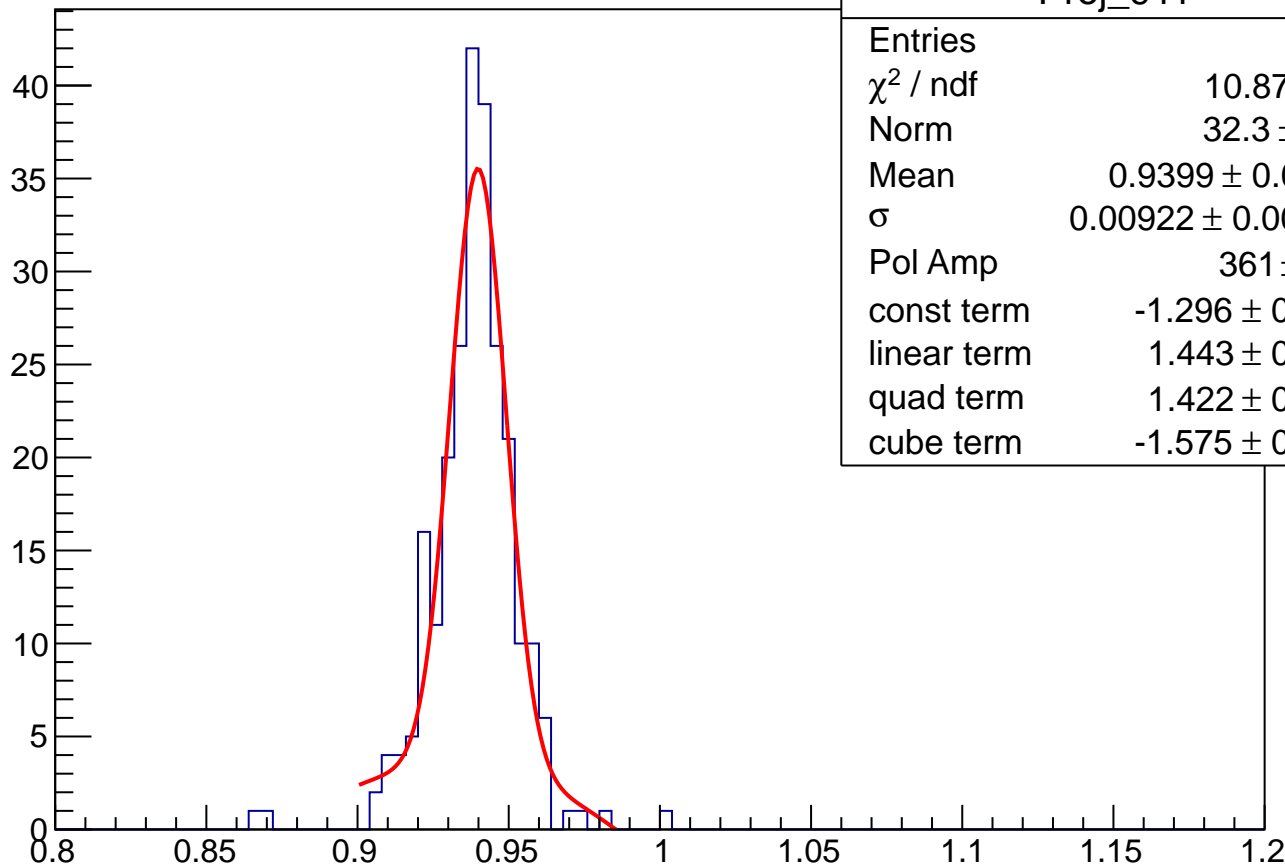
PhiThetaMassPip



PhiThetaMassPip



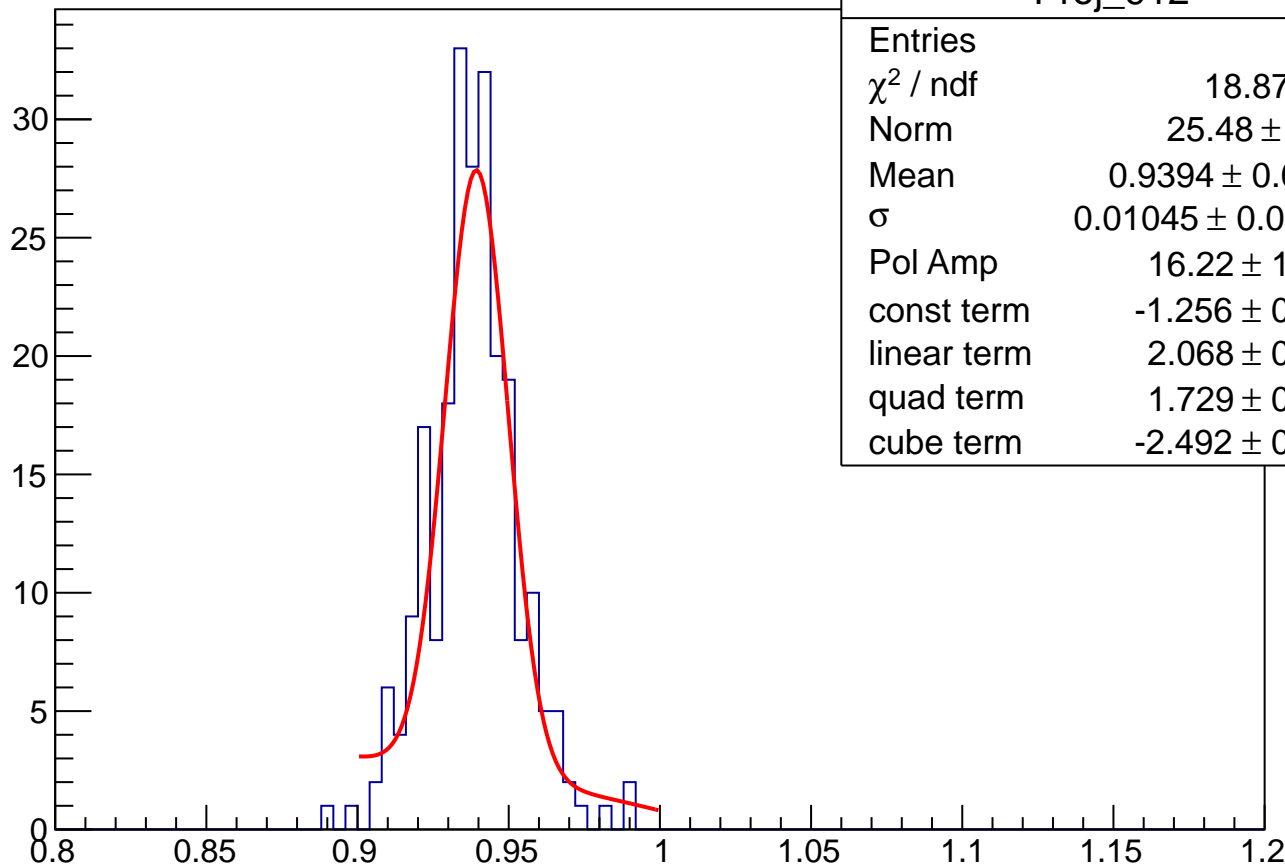
PhiThetaMassPip



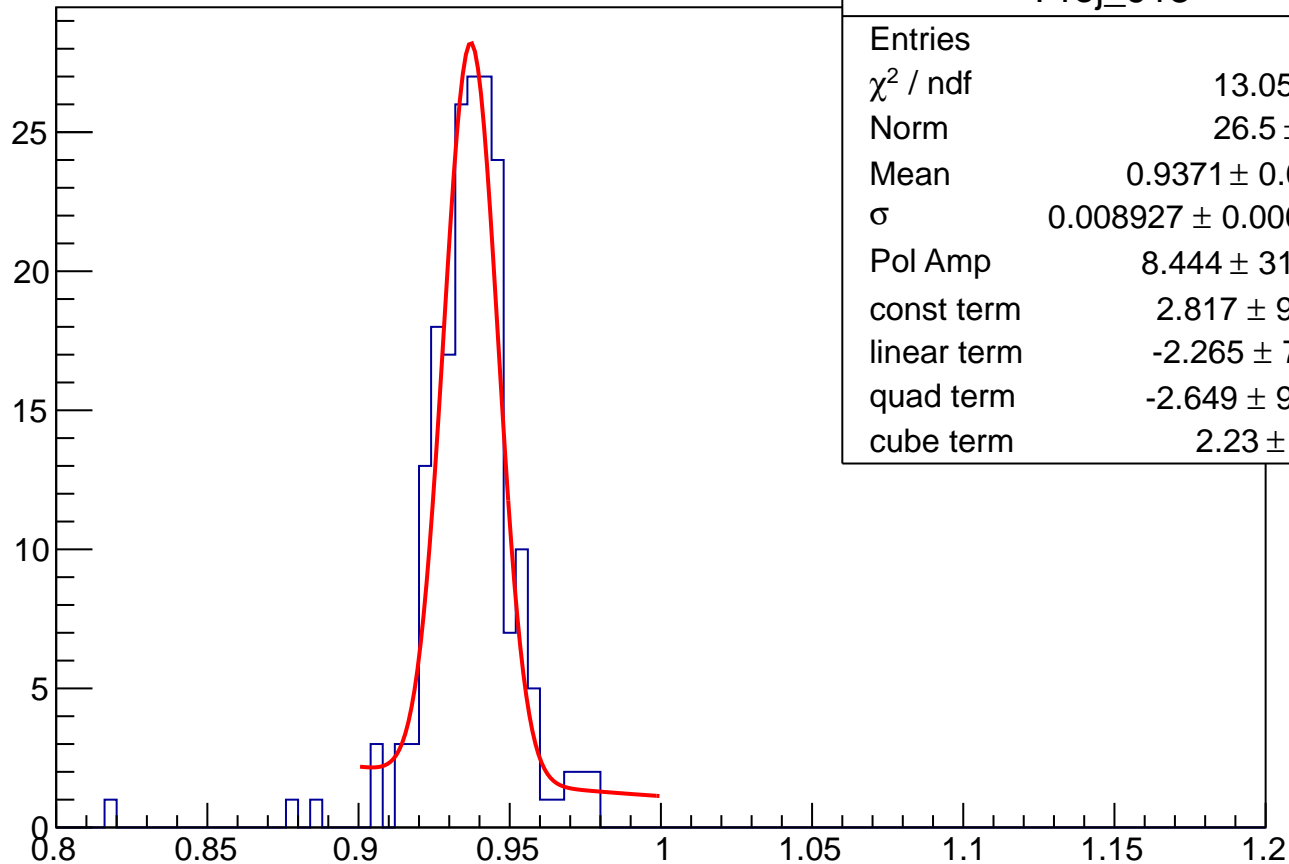
Proj_911

Entries	248
χ^2 / ndf	10.87 / 10
Norm	32.3 ± 3.5
Mean	0.9399 ± 0.0008
σ	0.00922 ± 0.00078
Pol Amp	361 ± 1.2
const term	-1.296 ± 0.414
linear term	1.443 ± 0.443
quad term	1.422 ± 0.443
cube term	-1.575 ± 0.475

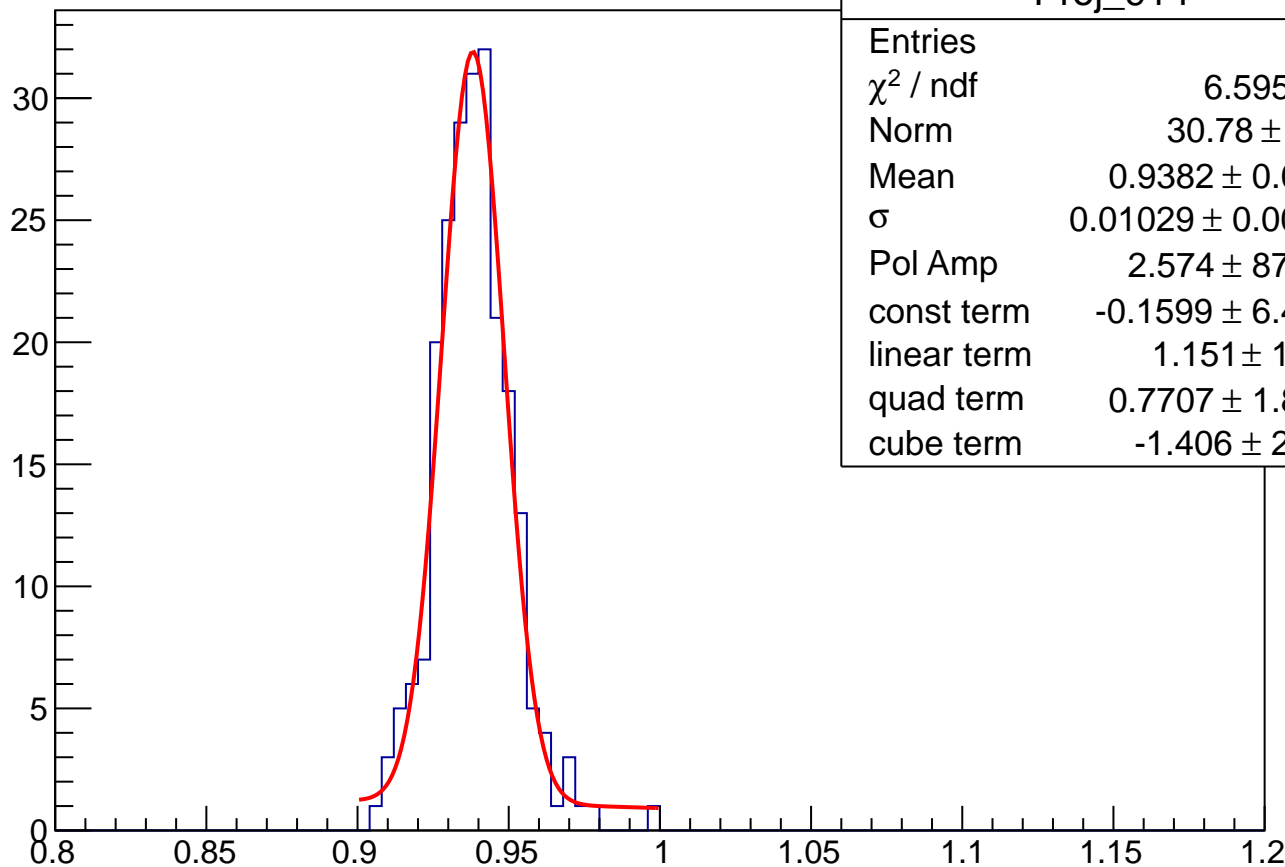
PhiThetaMassPip



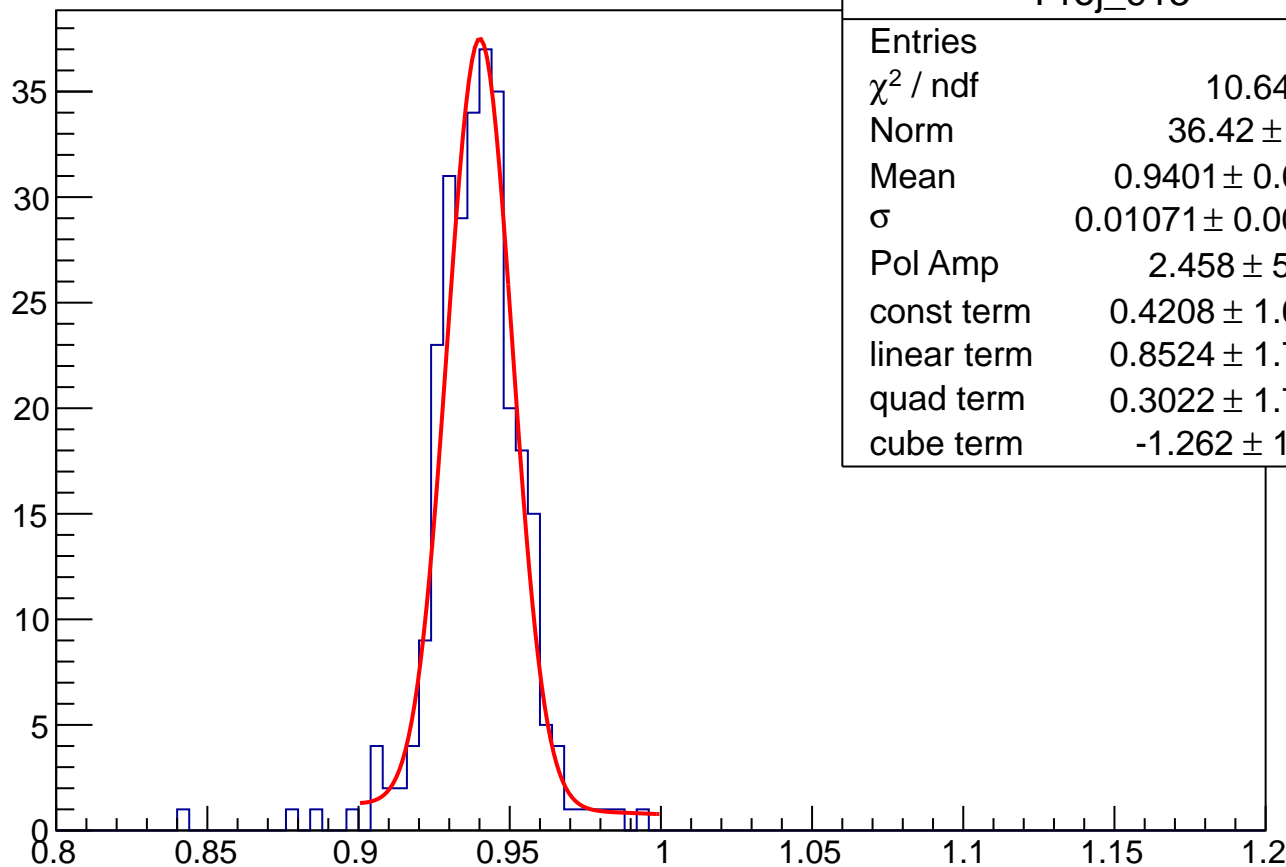
PhiThetaMassPip



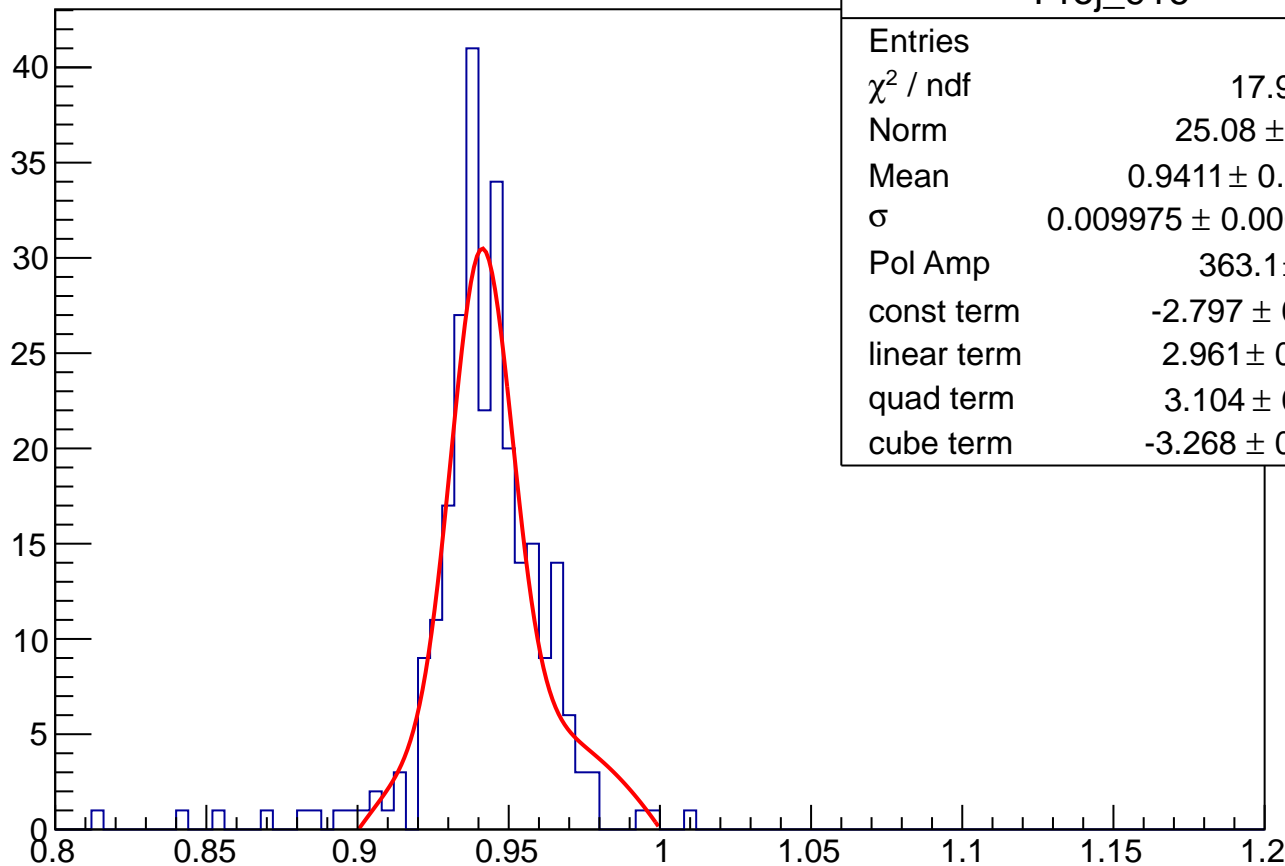
PhiThetaMassPip



PhiThetaMassPip



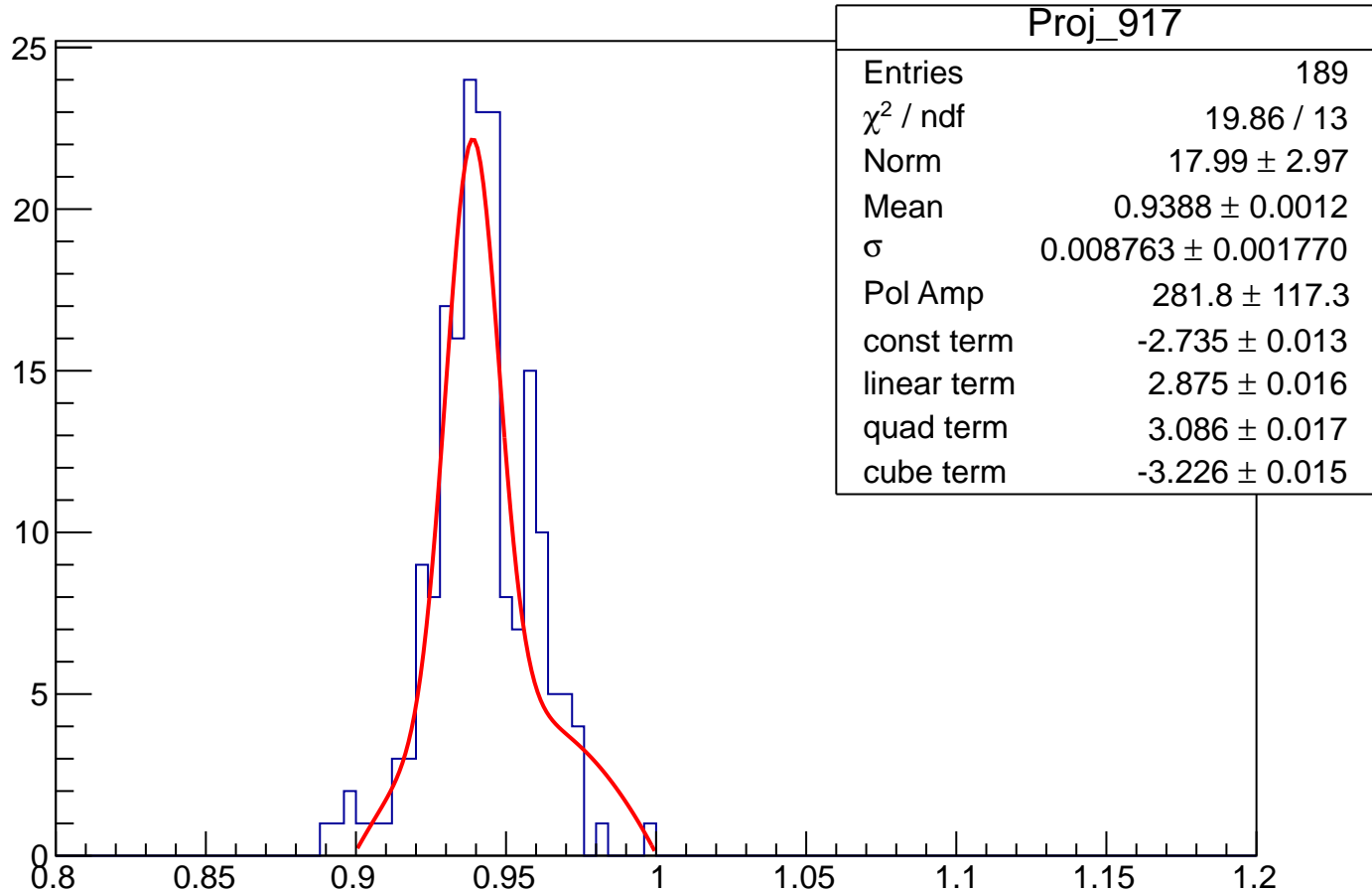
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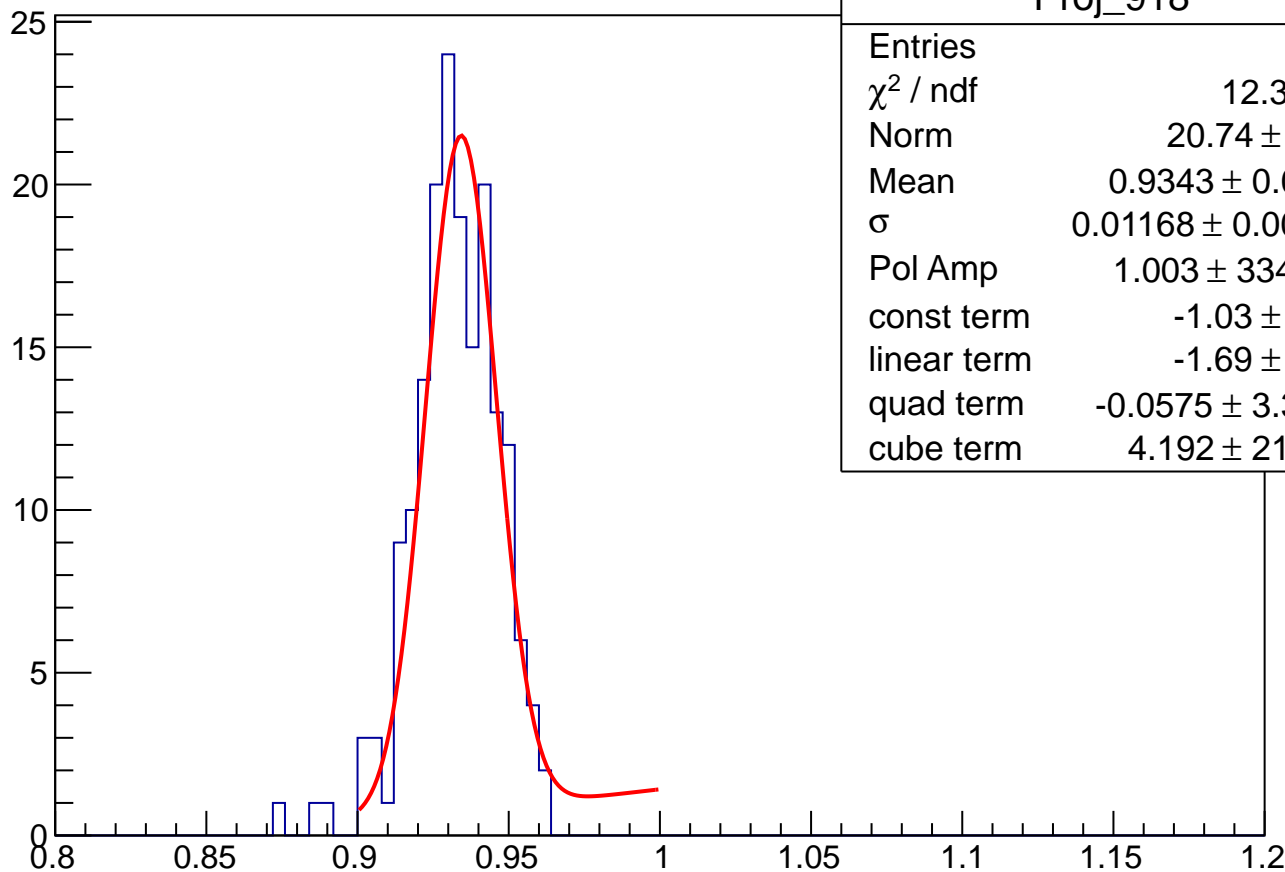
Proj_916

Entries	263
χ^2 / ndf	17.9 / 13
Norm	25.08 ± 3.04
Mean	0.9411 ± 0.0012
σ	0.009975 ± 0.000624
Pol Amp	363.1 ± 0.7
const term	-2.797 ± 0.471
linear term	2.961 ± 0.497
quad term	3.104 ± 0.521
cube term	-3.268 ± 0.548

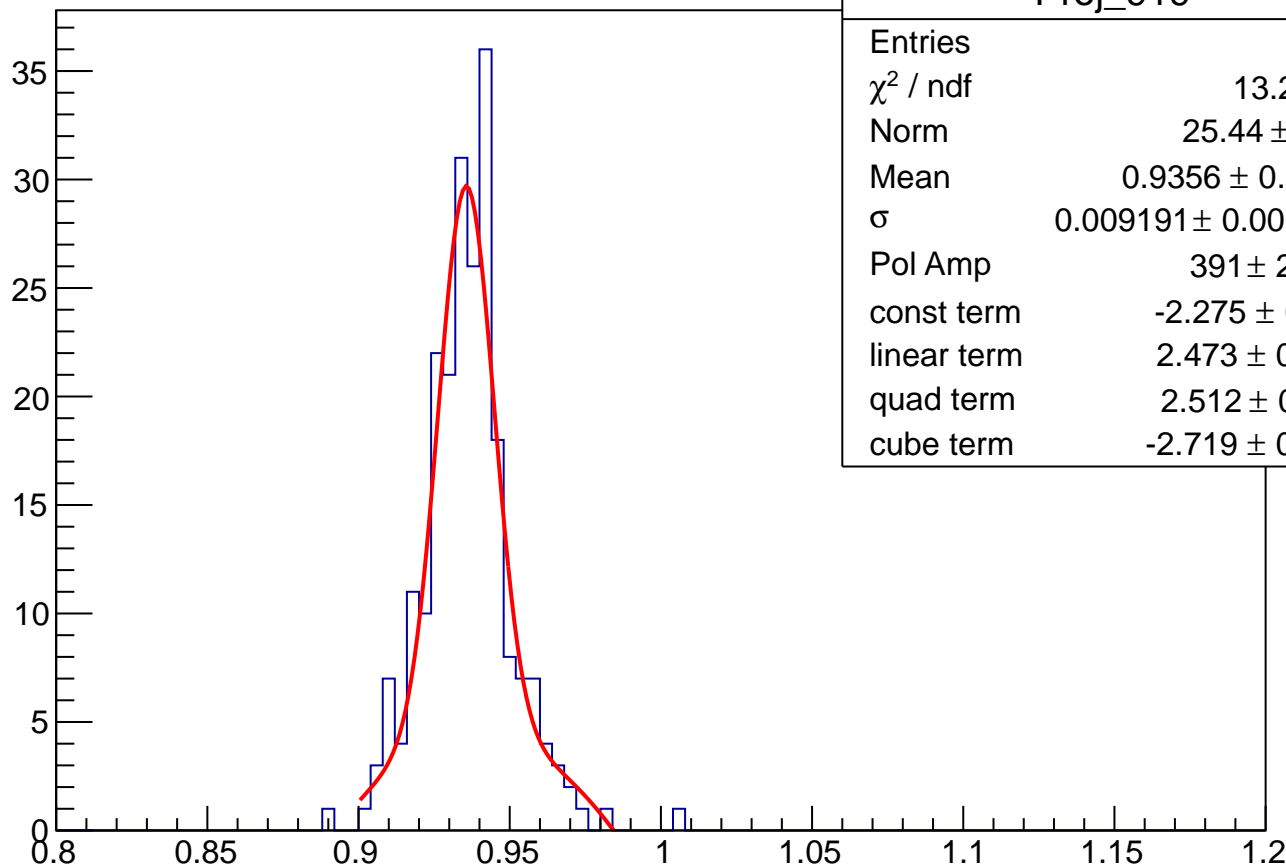
PhiThetaMassPip



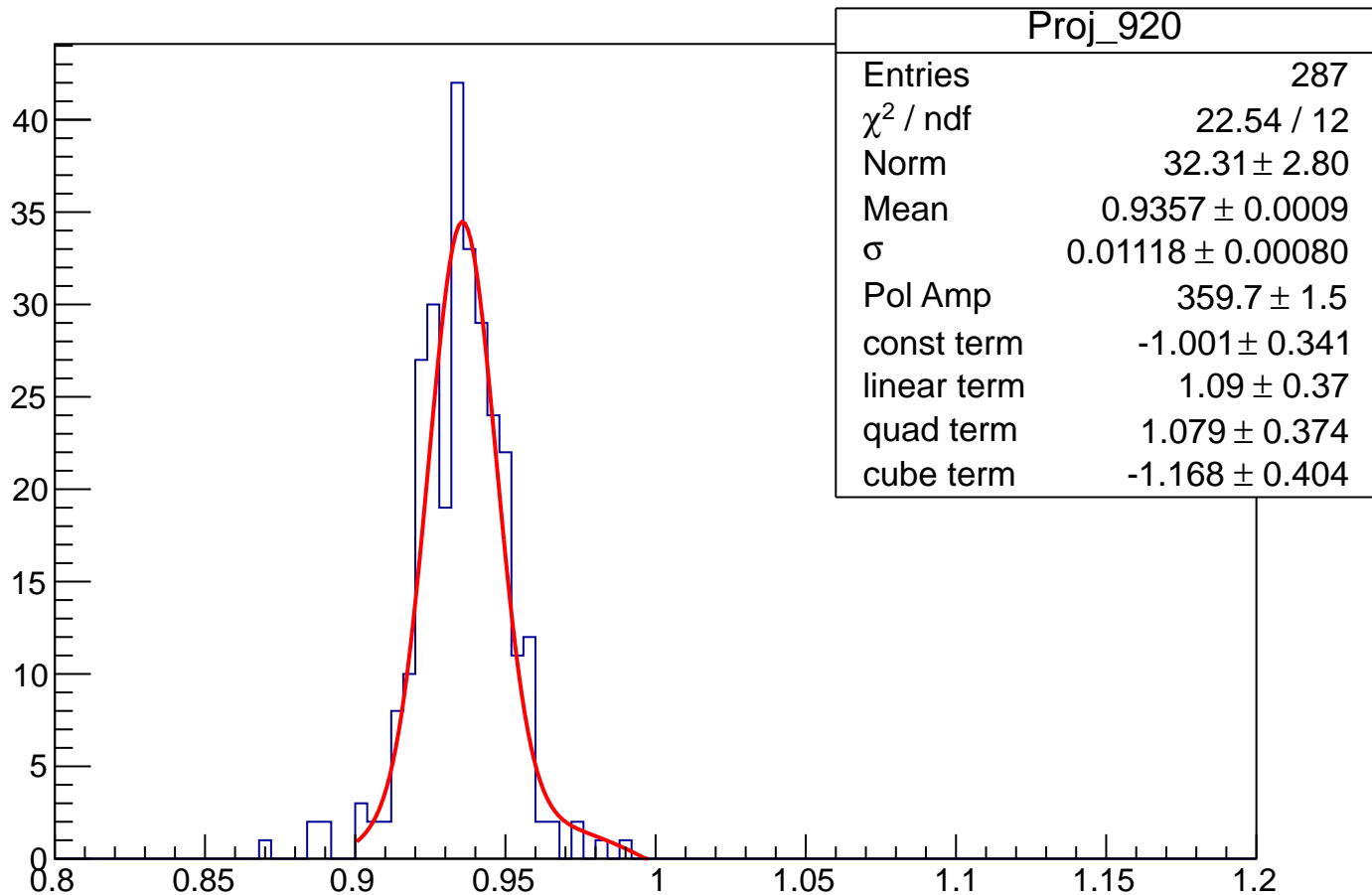
PhiThetaMassPip



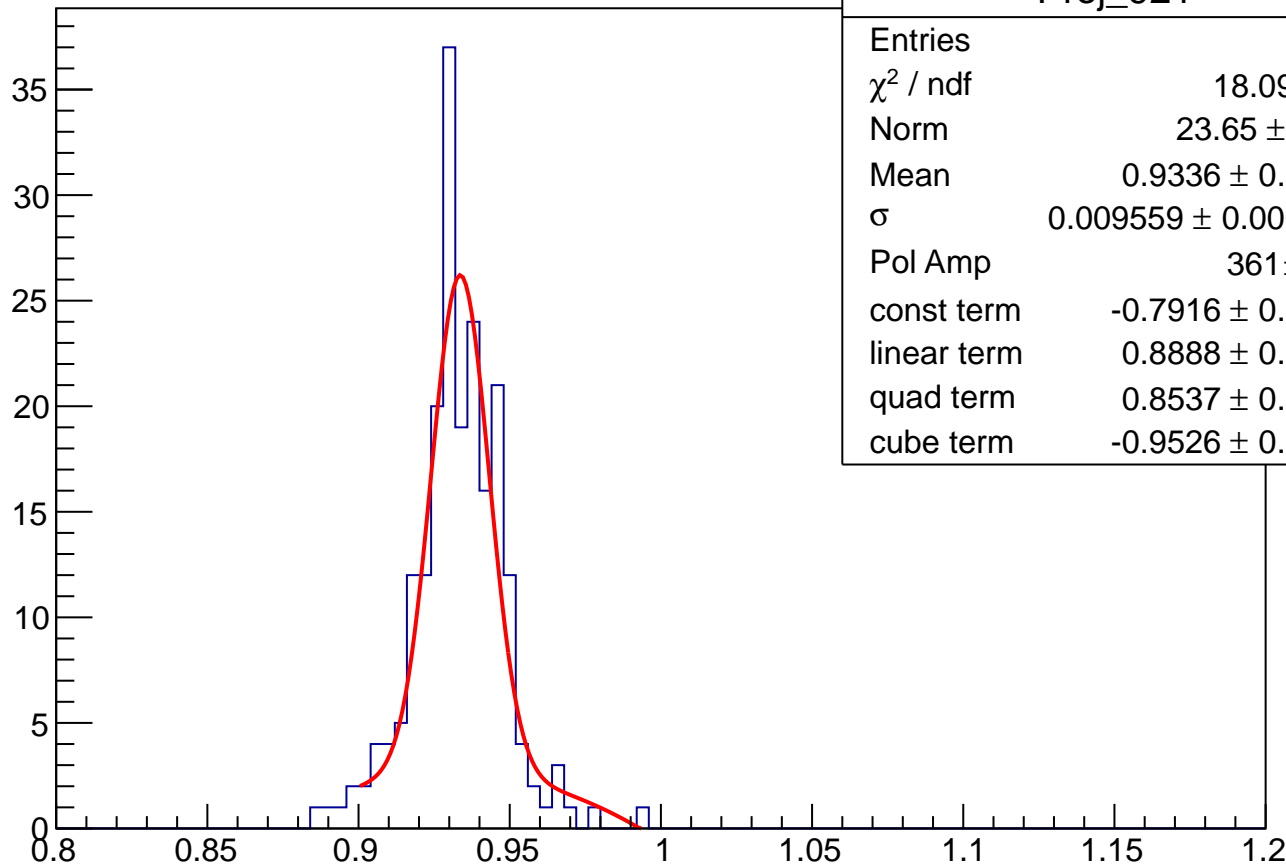
PhiThetaMassPip



PhiThetaMassPip



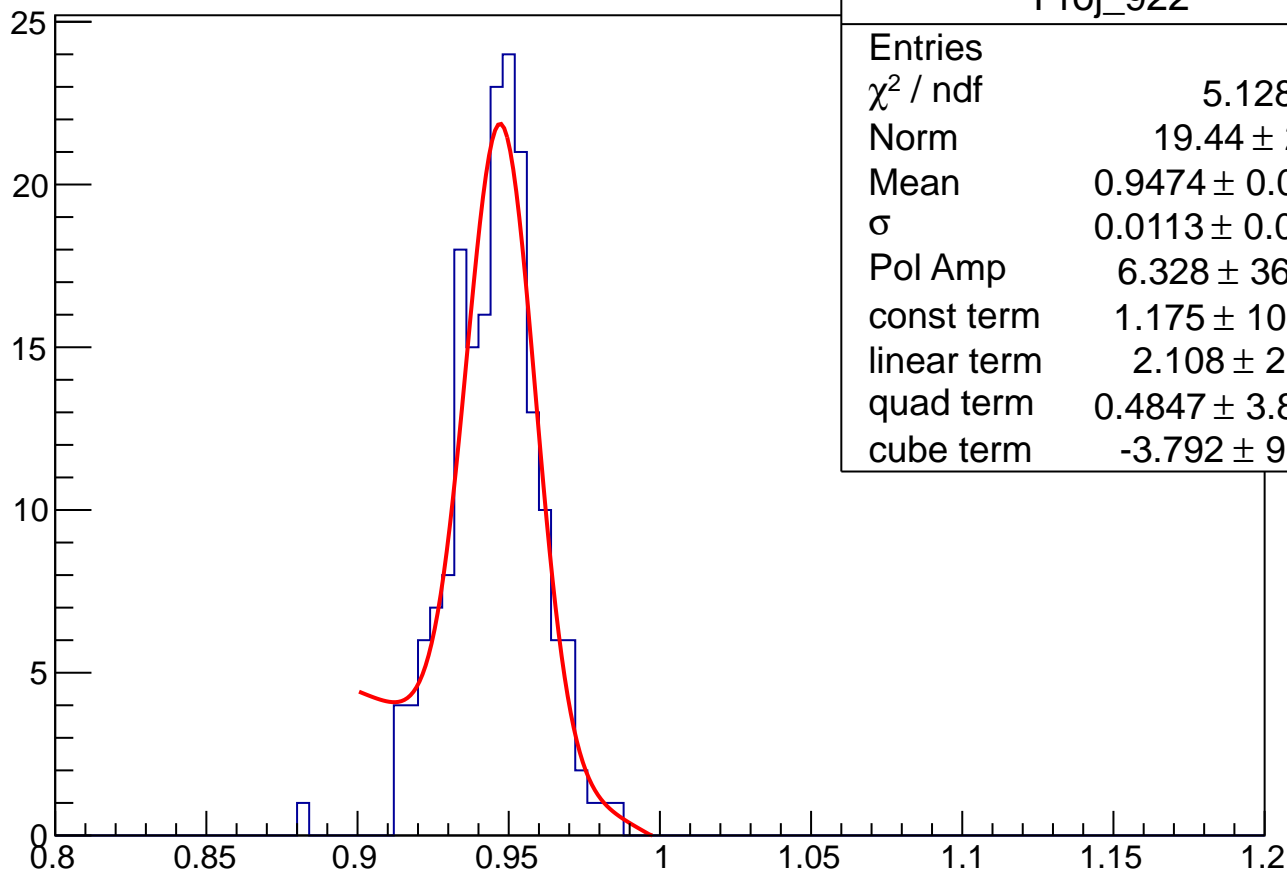
PhiThetaMassPip



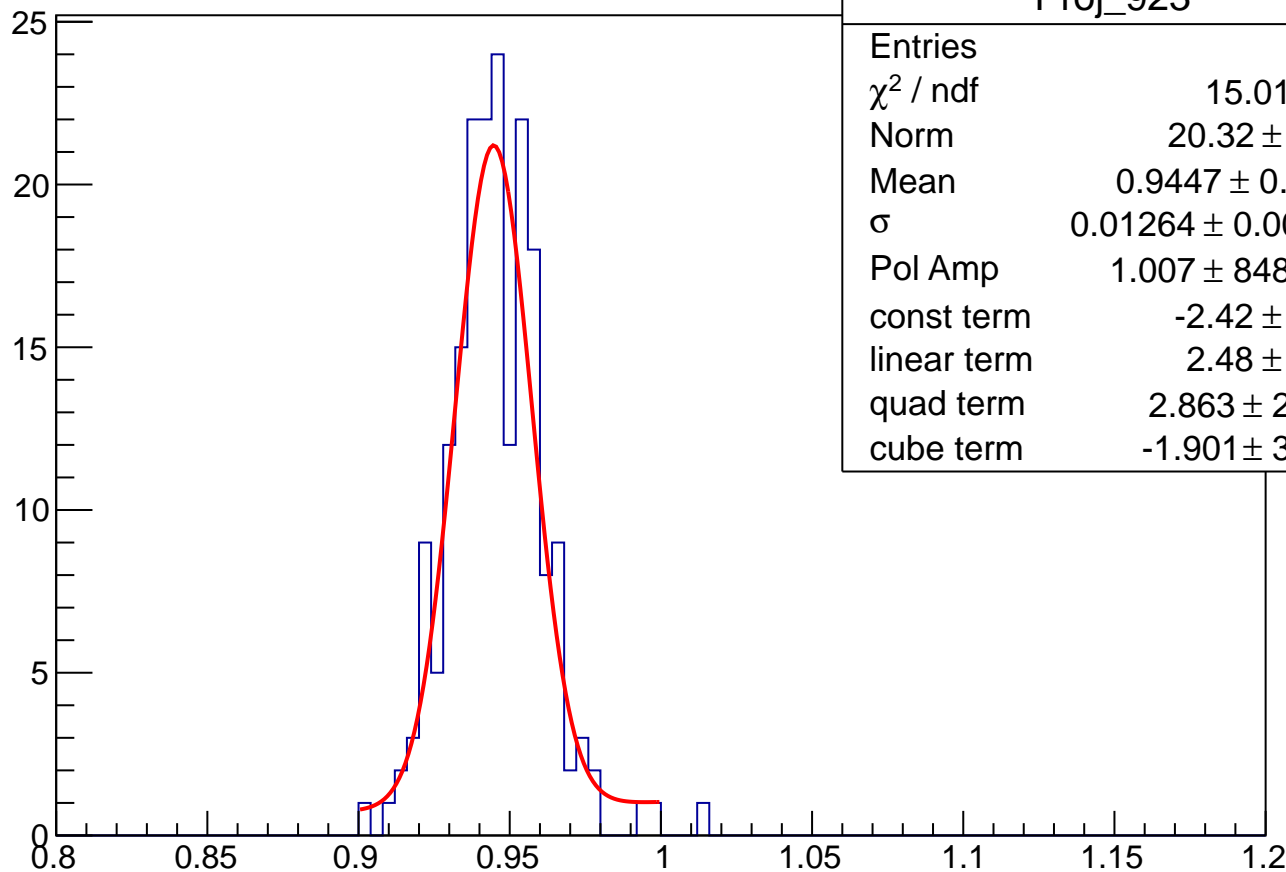
Proj_921

Entries	206
χ^2 / ndf	18.09 / 12
Norm	23.65 ± 2.56
Mean	0.9336 ± 0.0002
σ	0.009559 ± 0.000697
Pol Amp	361 ± 1.2
const term	-0.7916 ± 0.2306
linear term	0.8888 ± 0.2459
quad term	0.8537 ± 0.2399
cube term	-0.9526 ± 0.2568

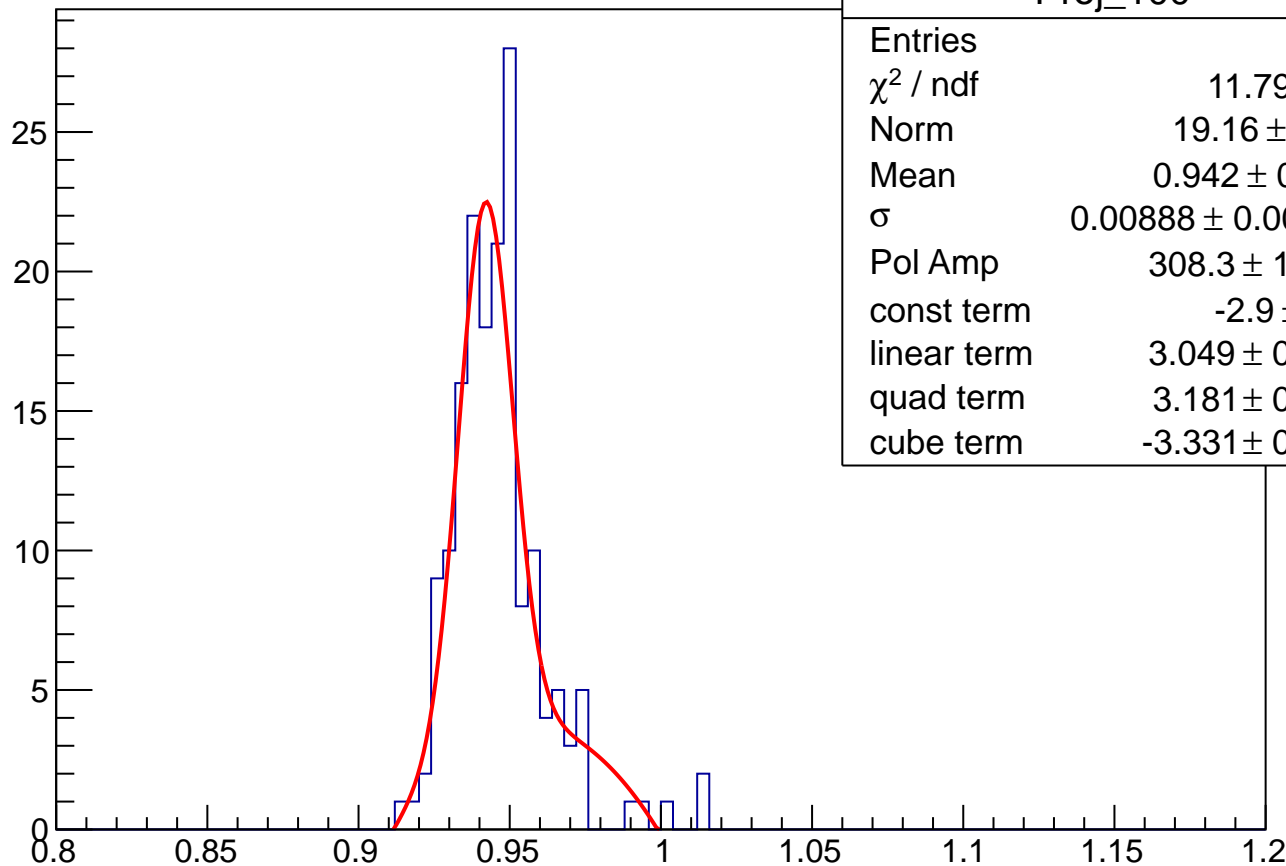
PhiThetaMassPip



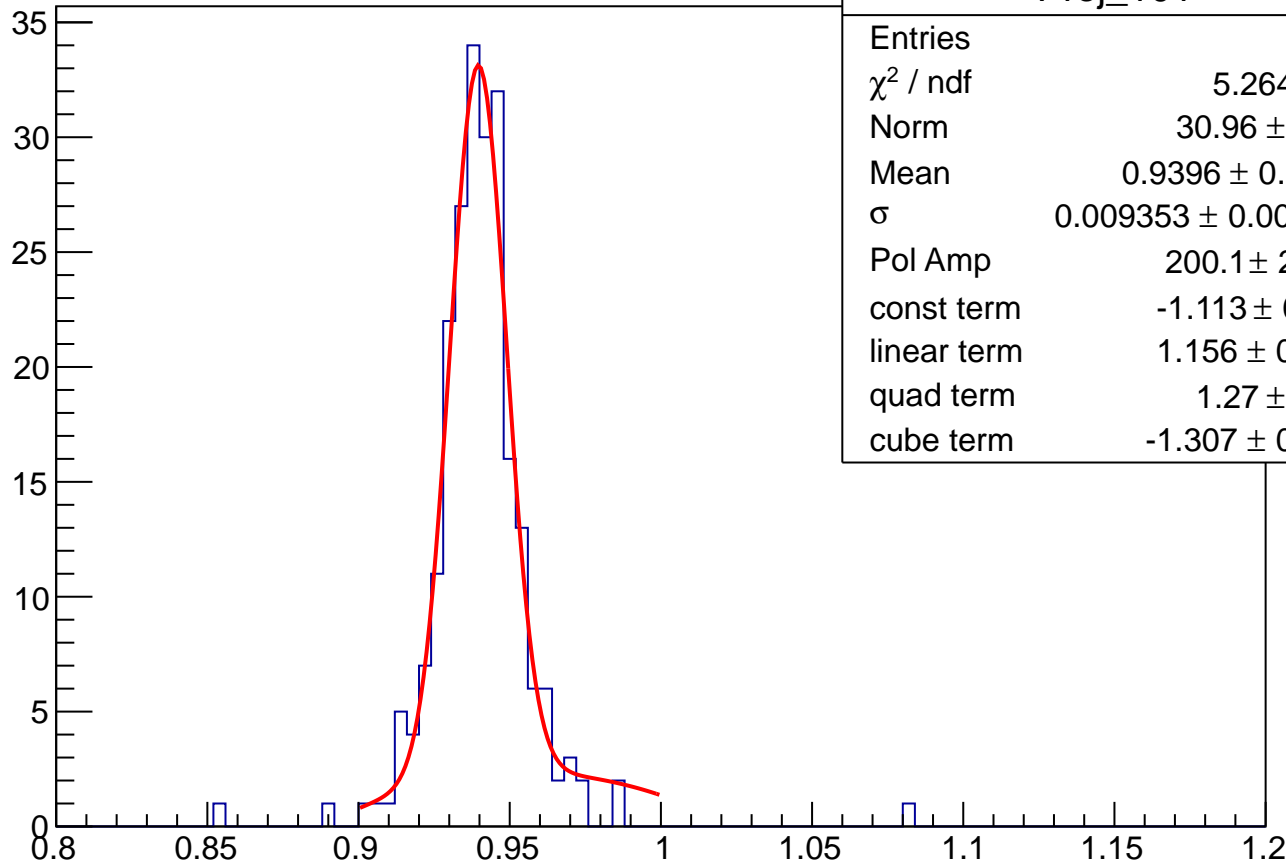
PhiThetaMassPip



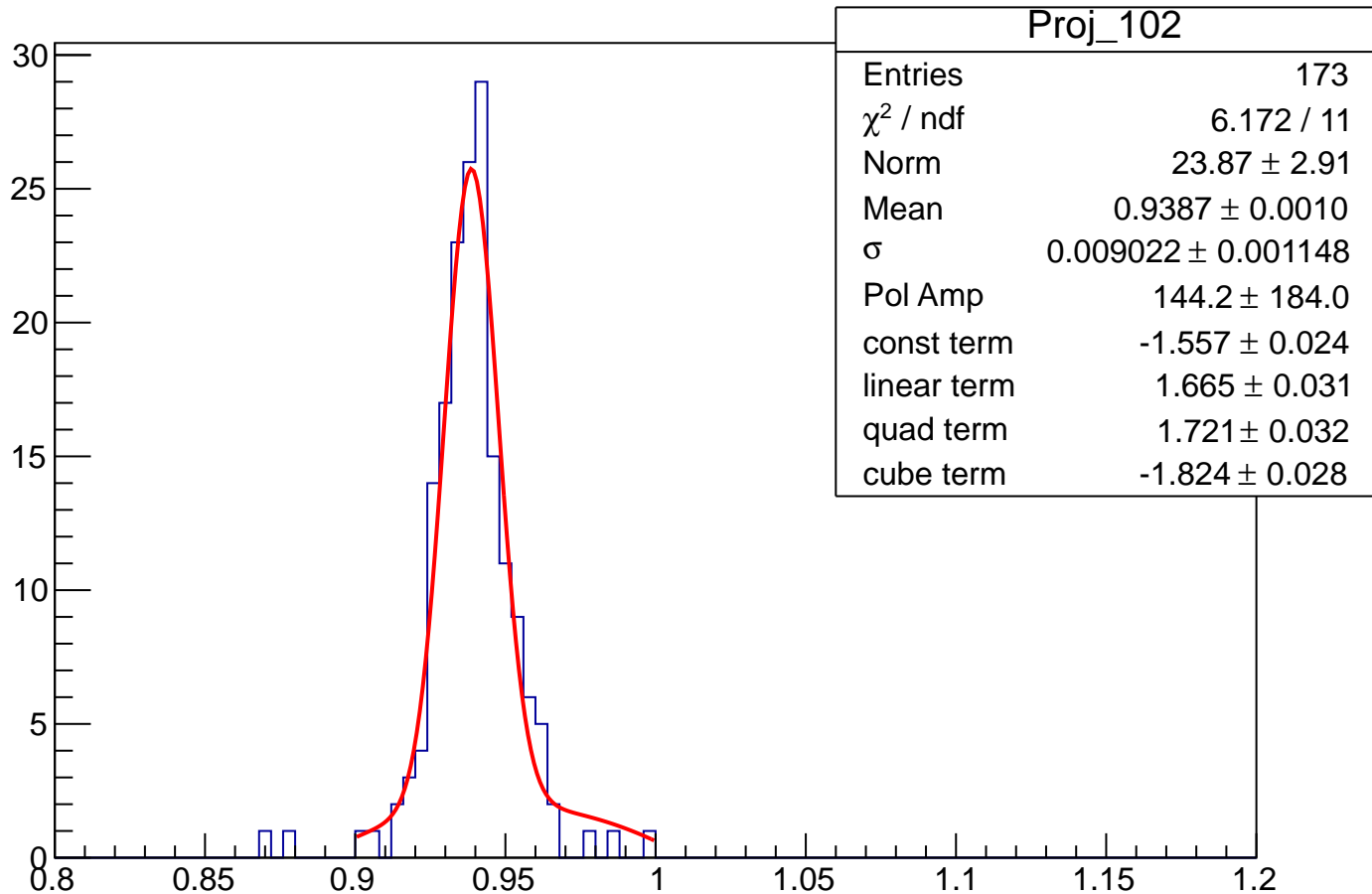
PhiThetaMassPip



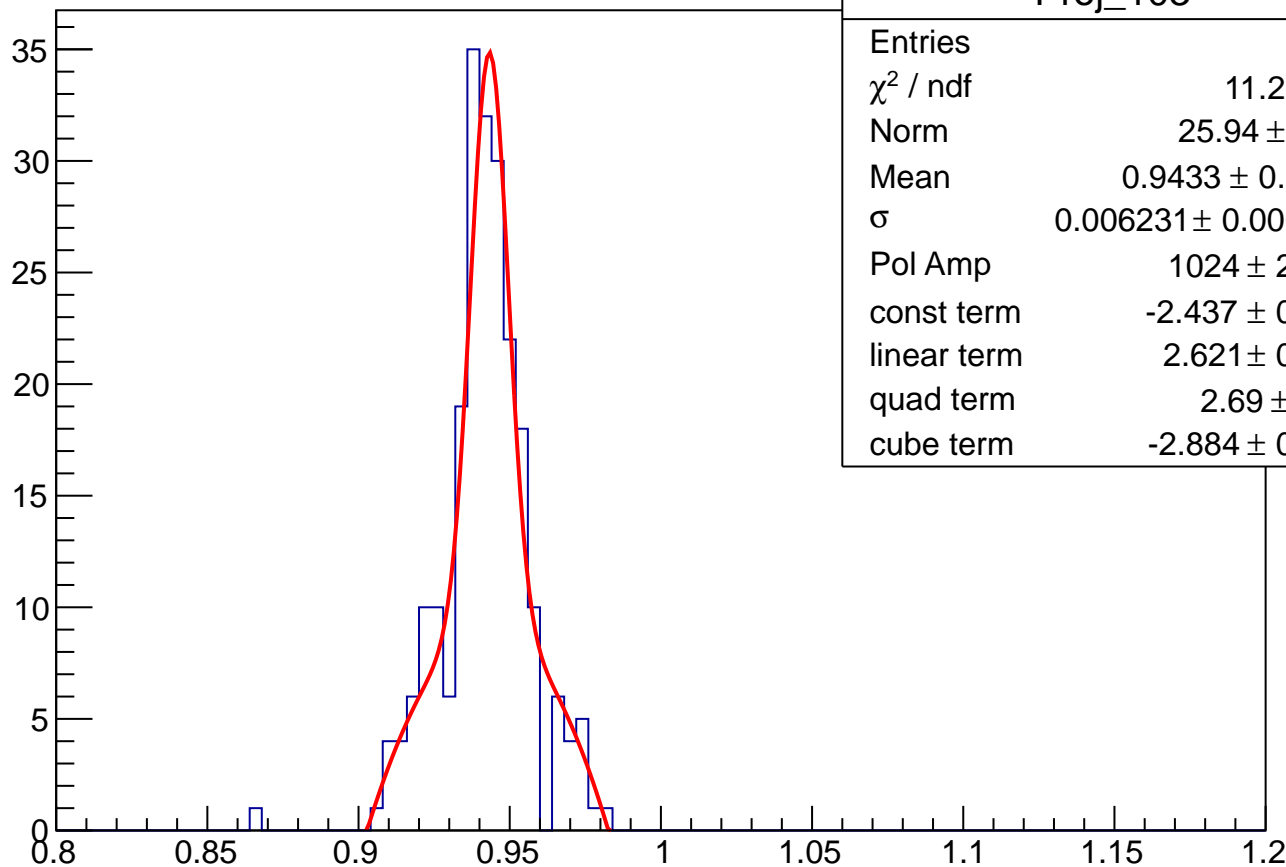
PhiThetaMassPip



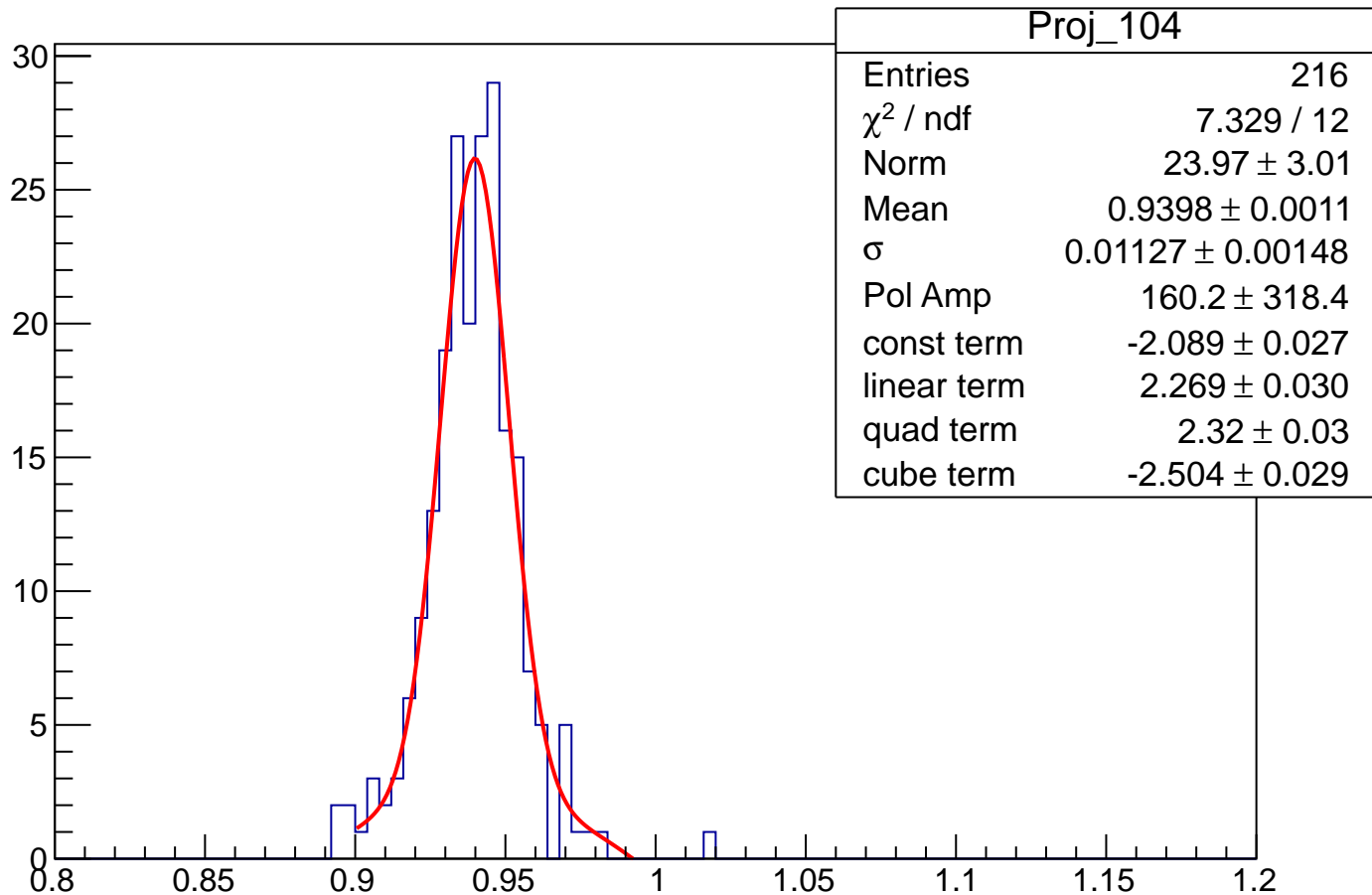
PhiThetaMassPip



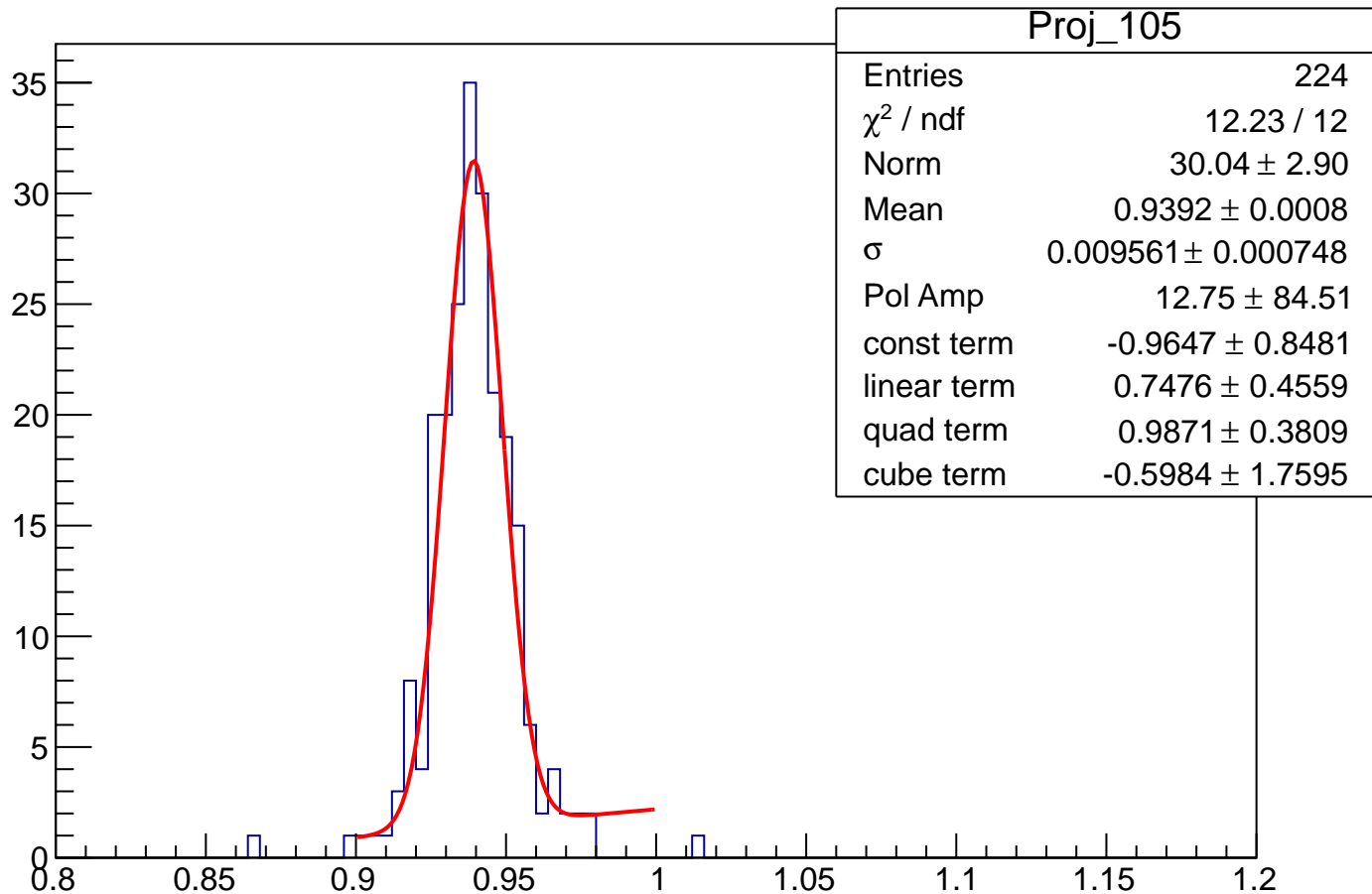
PhiThetaMassPip



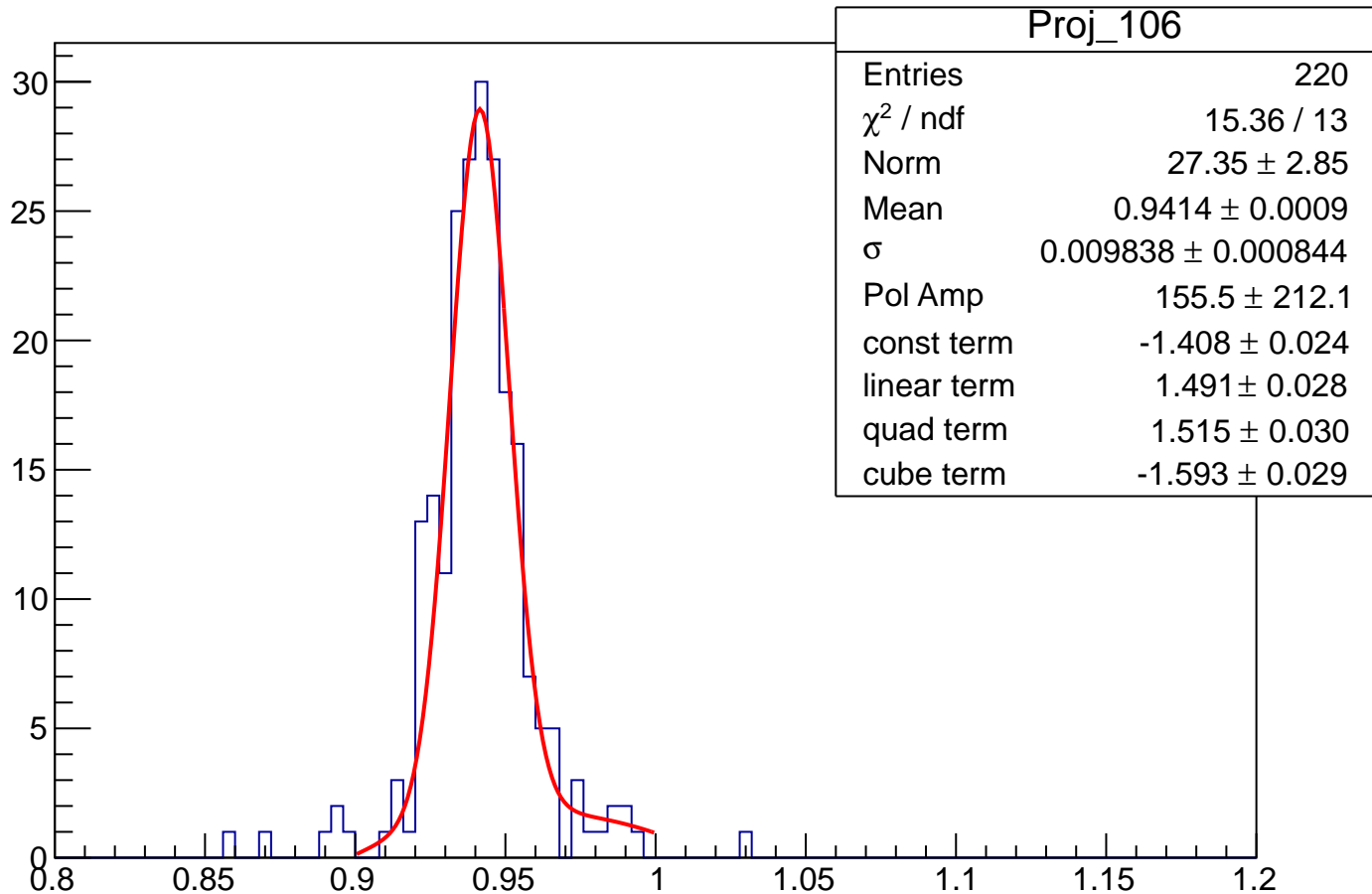
PhiThetaMassPip



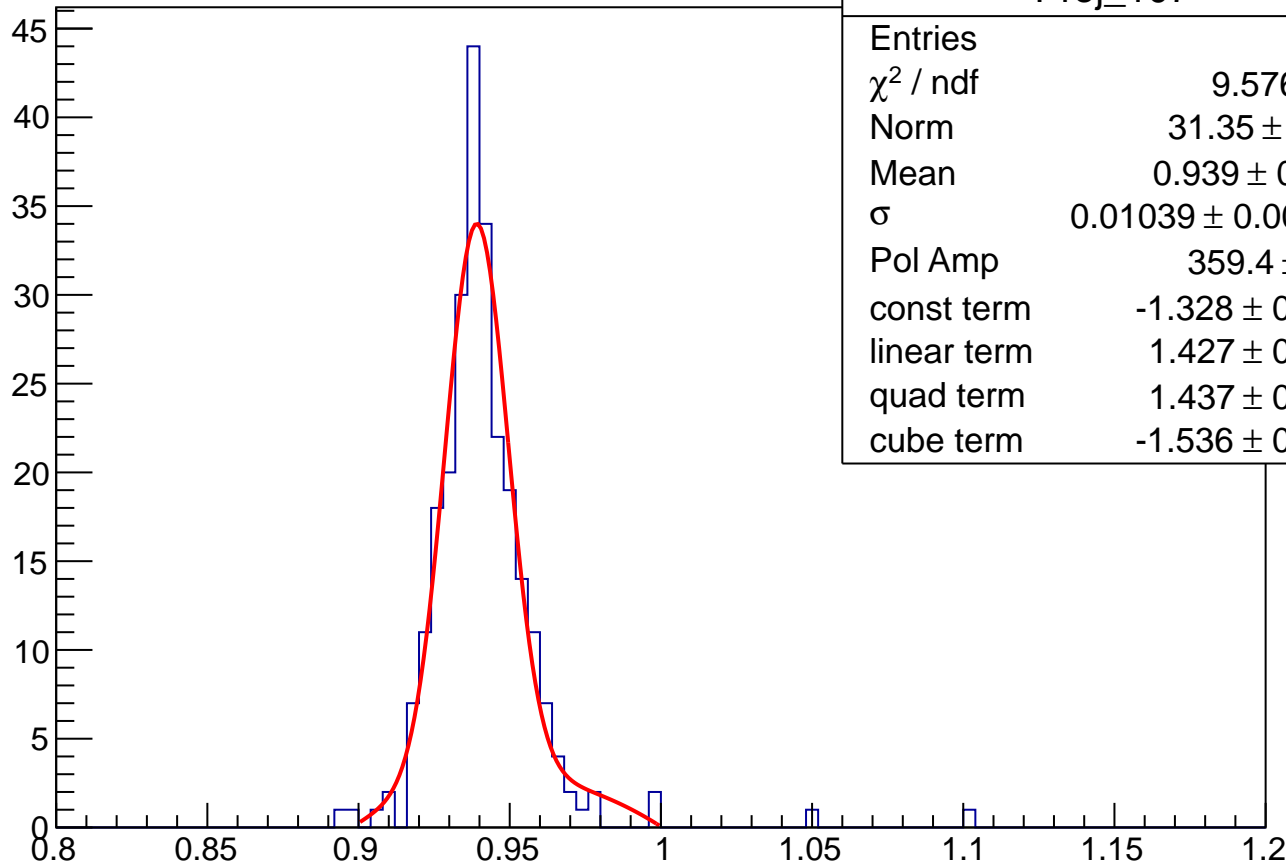
PhiThetaMassPip



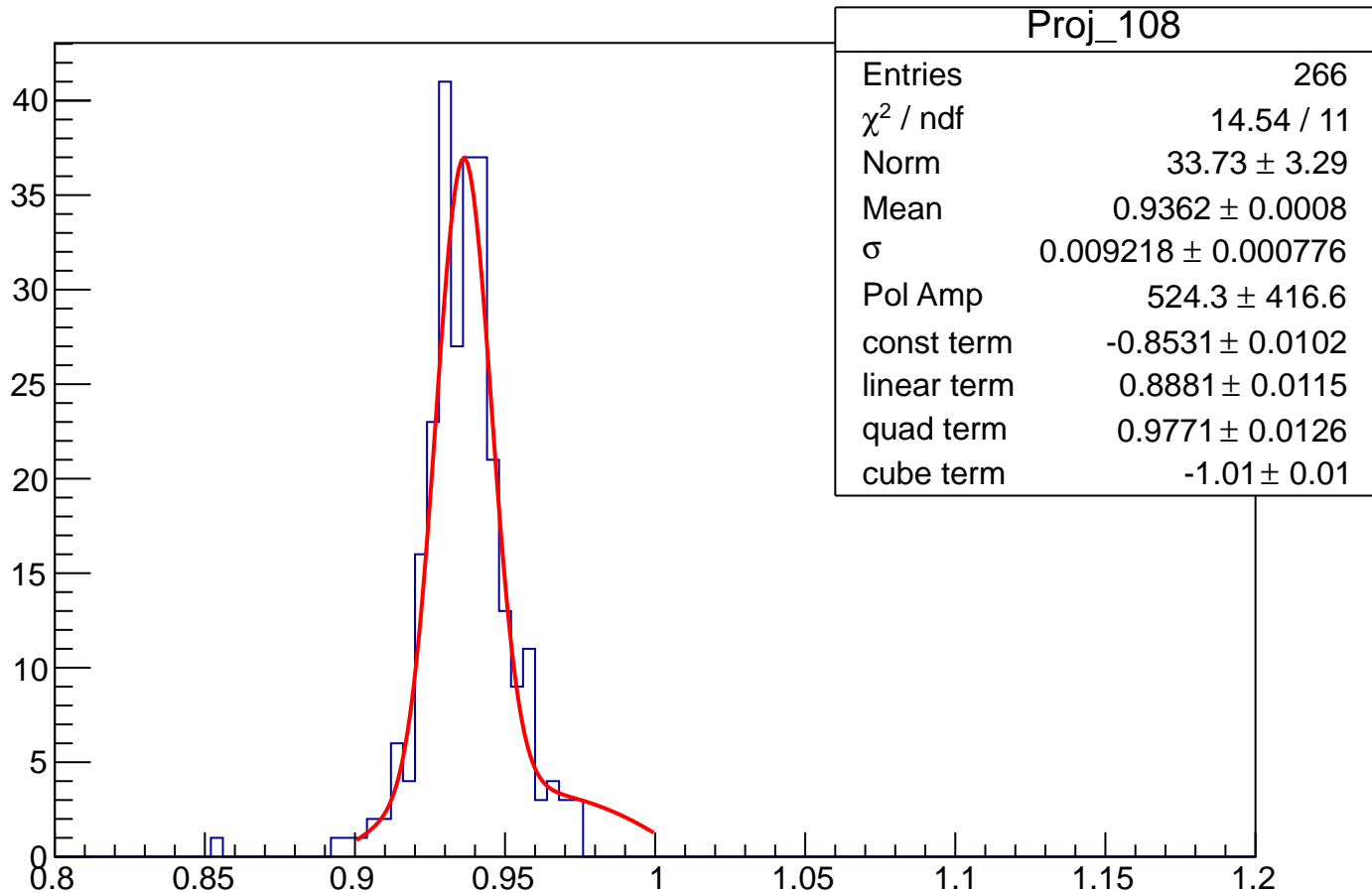
PhiThetaMassPip



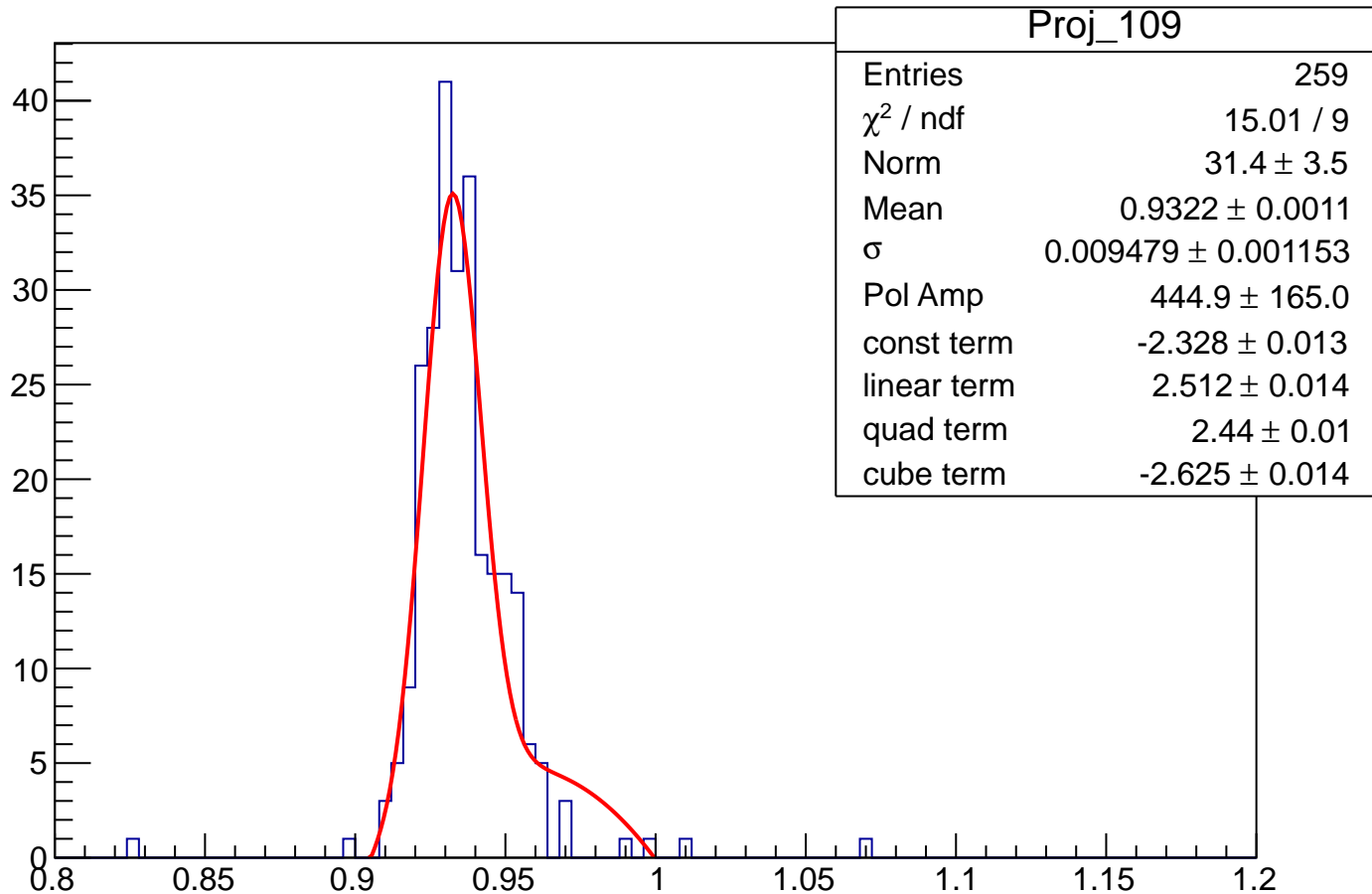
PhiThetaMassPip



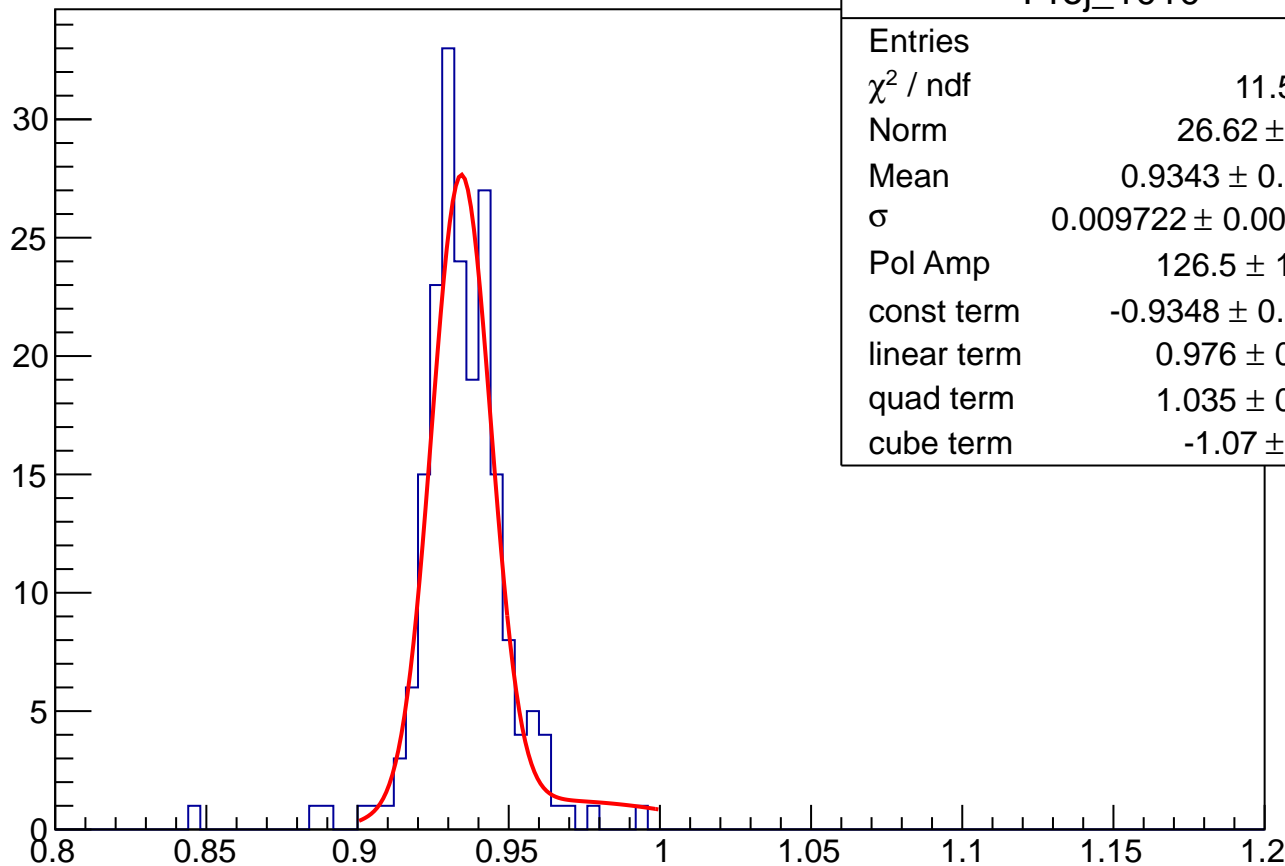
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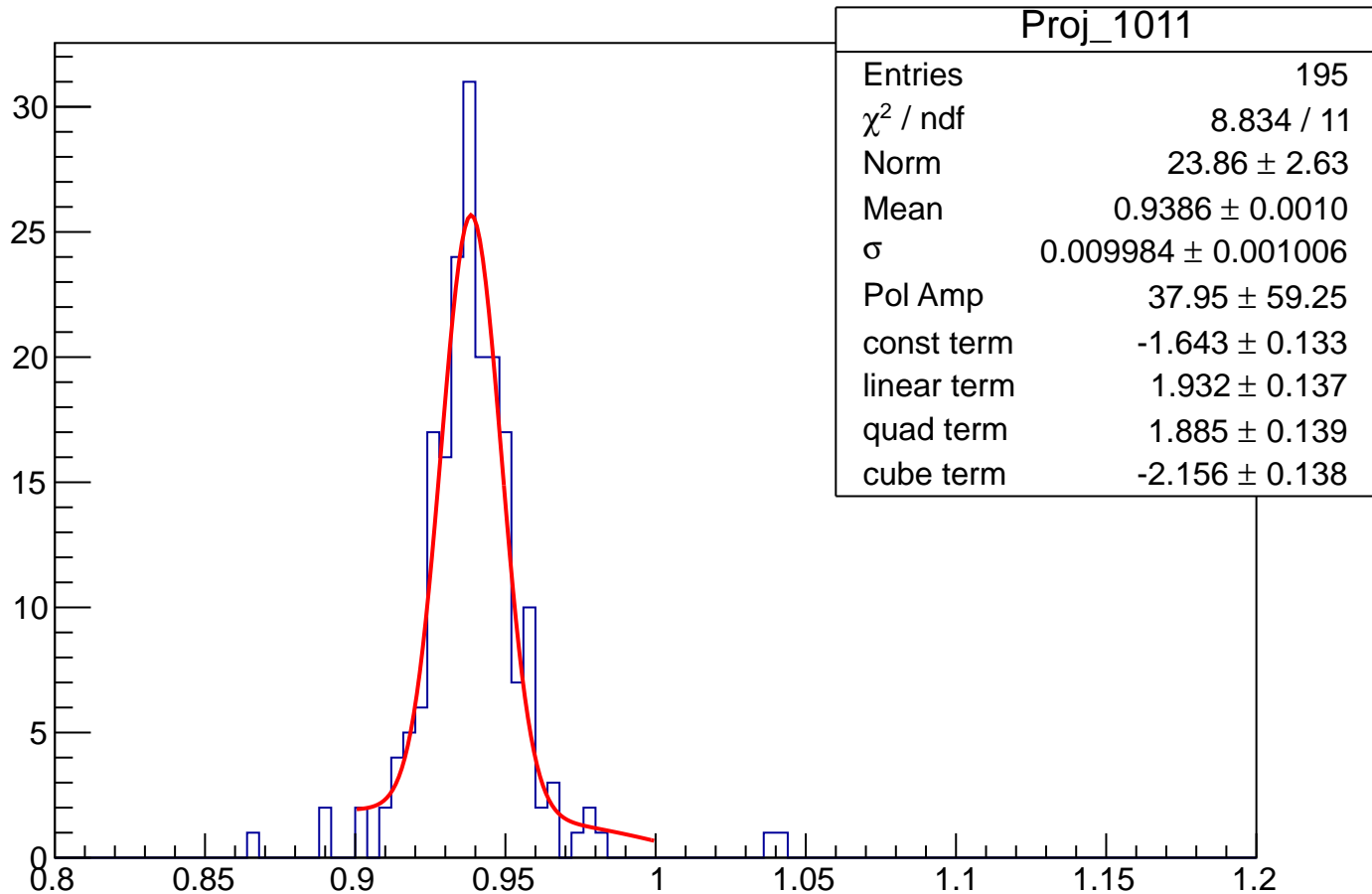
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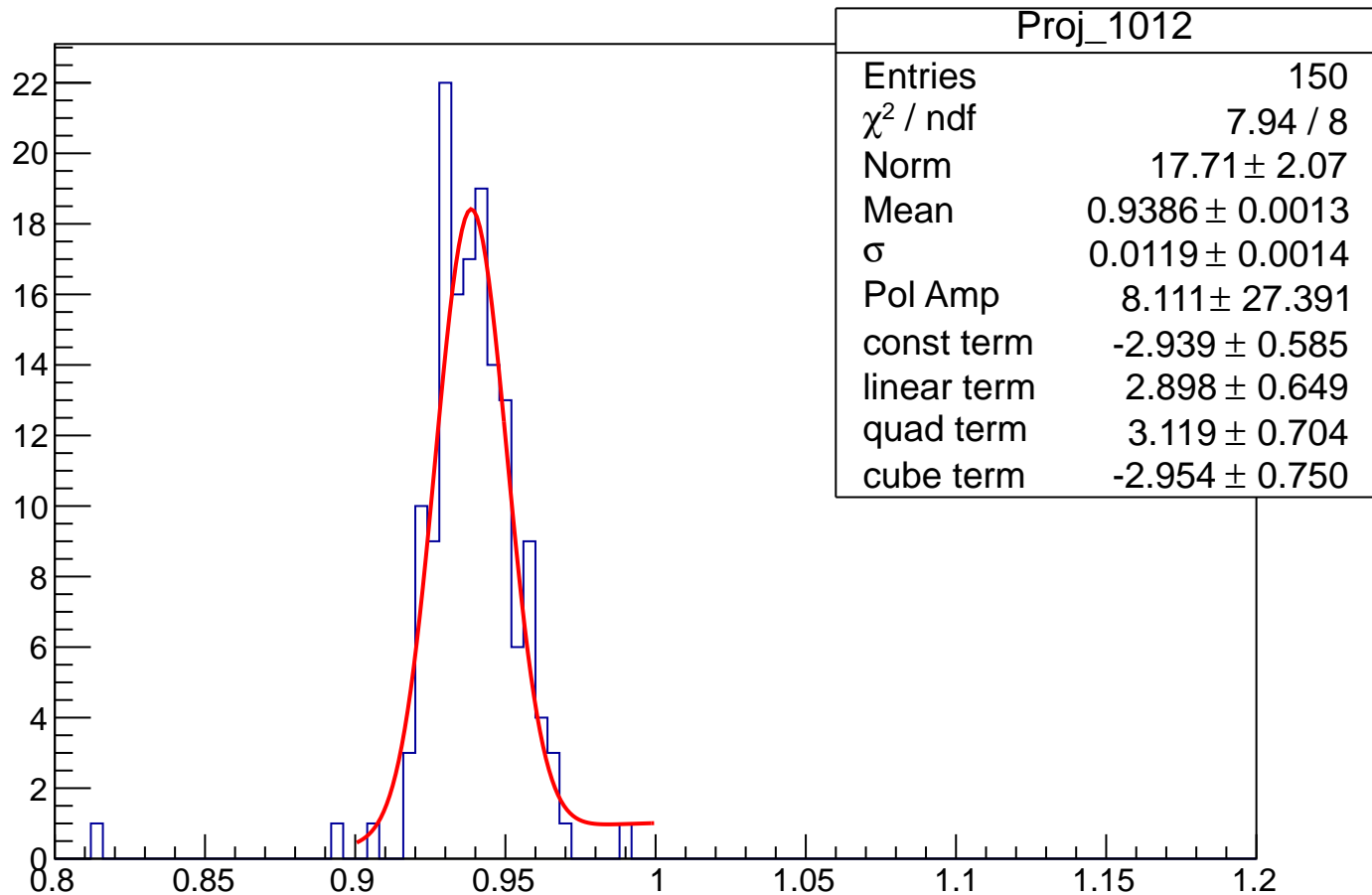
PhiThetaMassPip



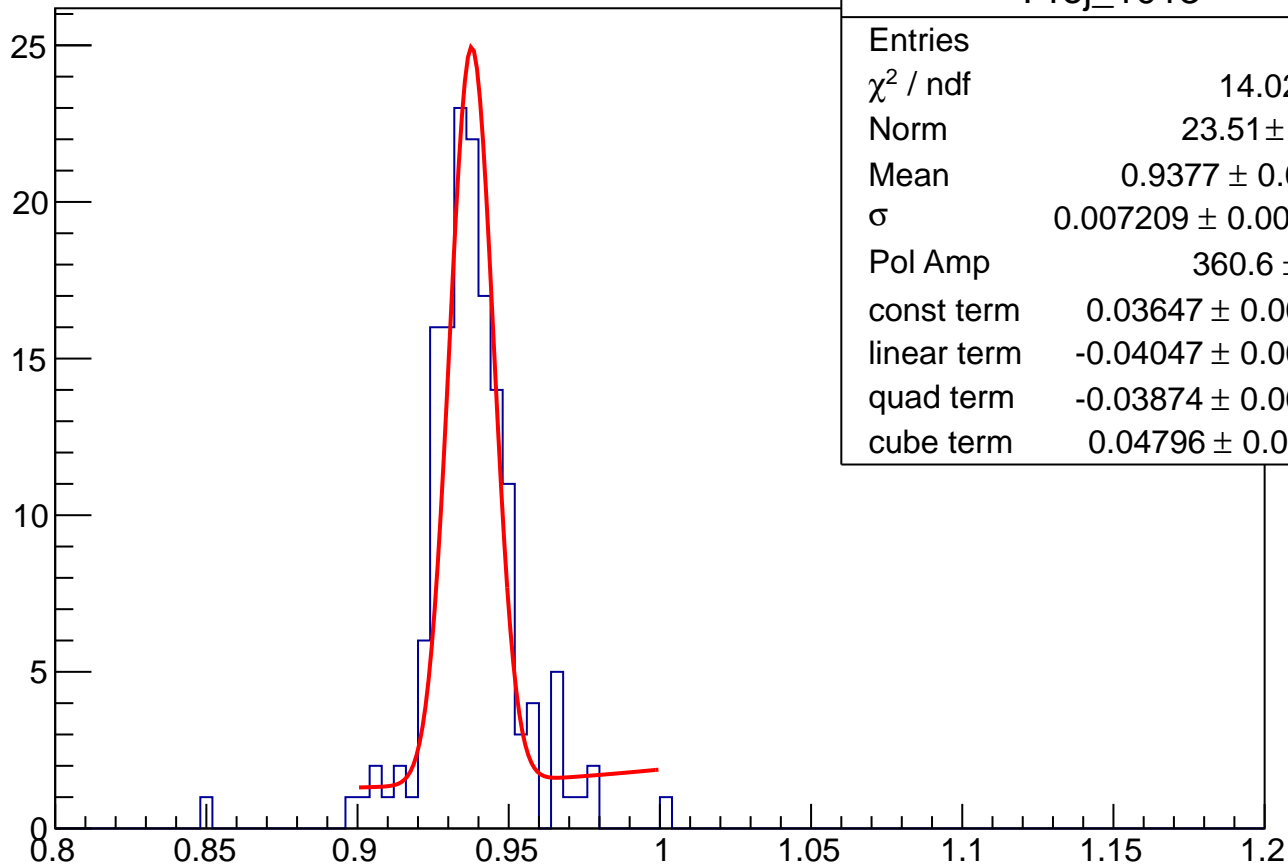
PhiThetaMassPip



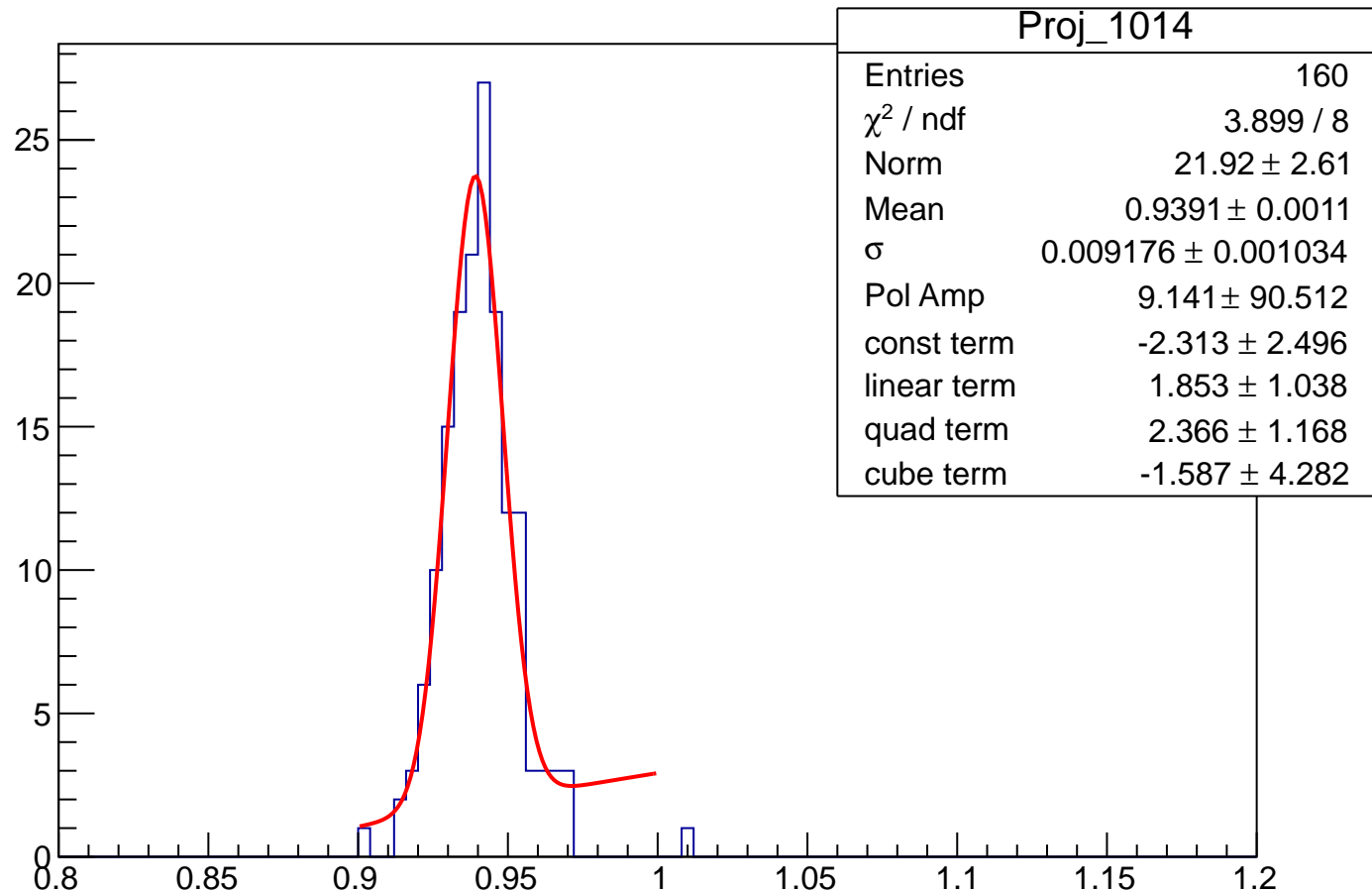
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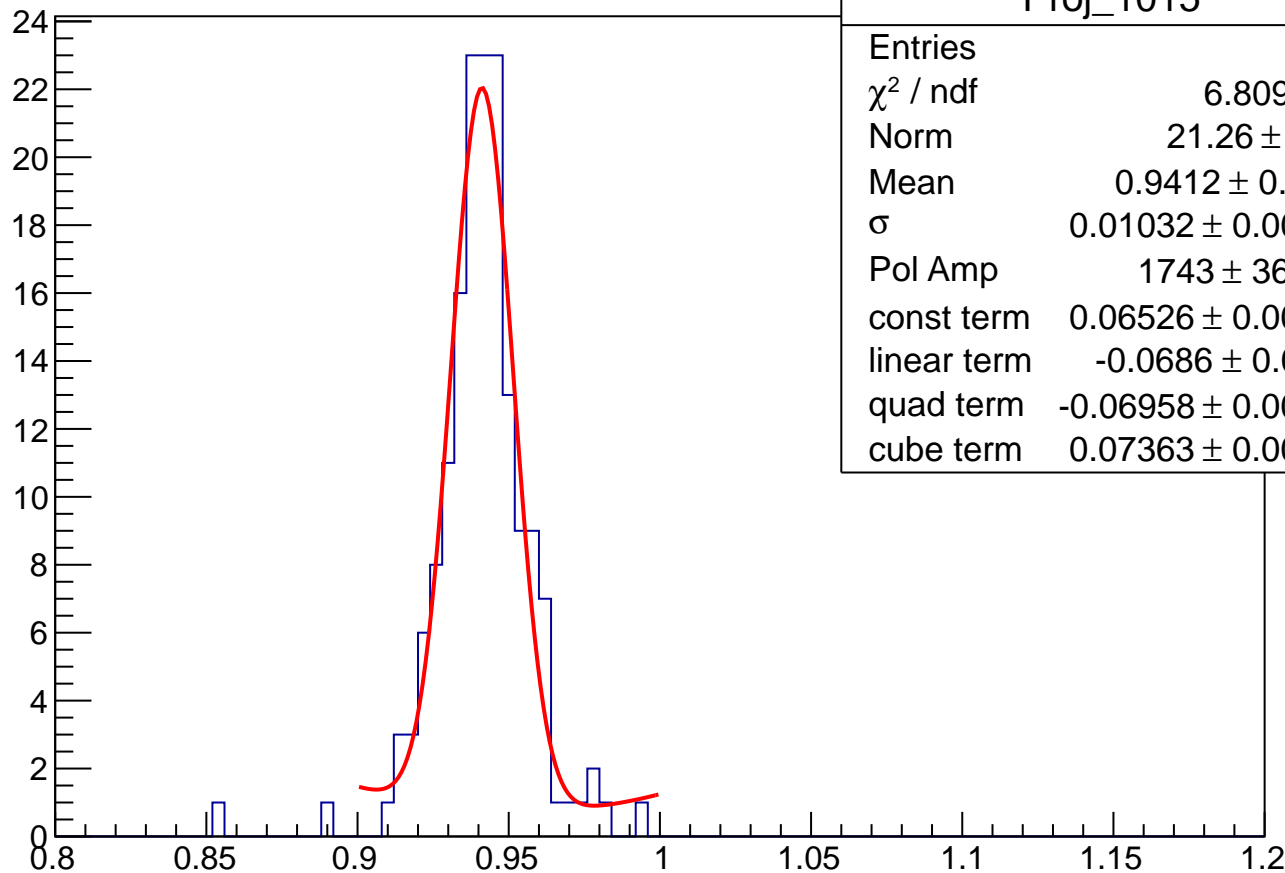
PhiThetaMassPip



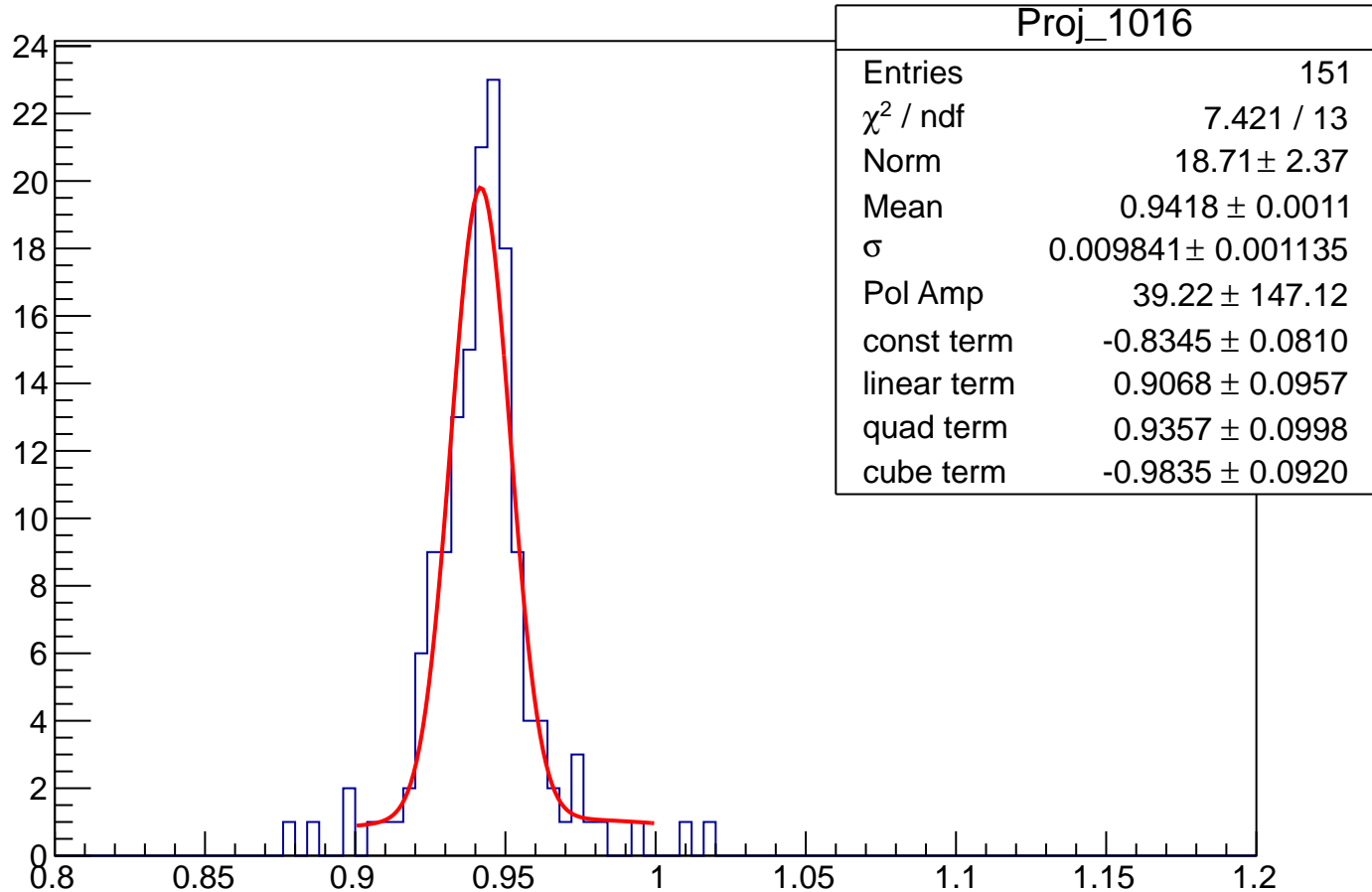
PhiThetaMassPip



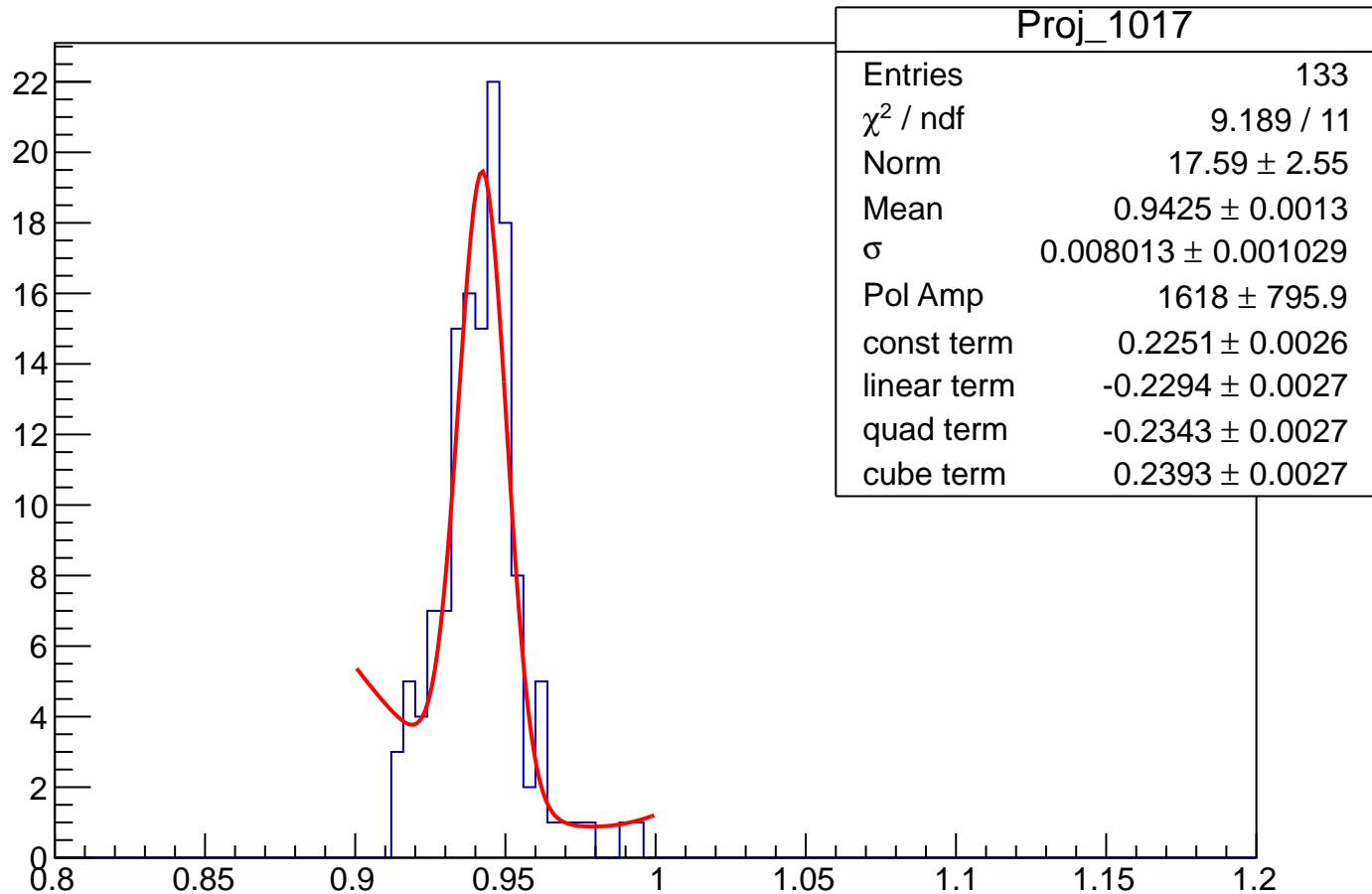
PhiThetaMassPip



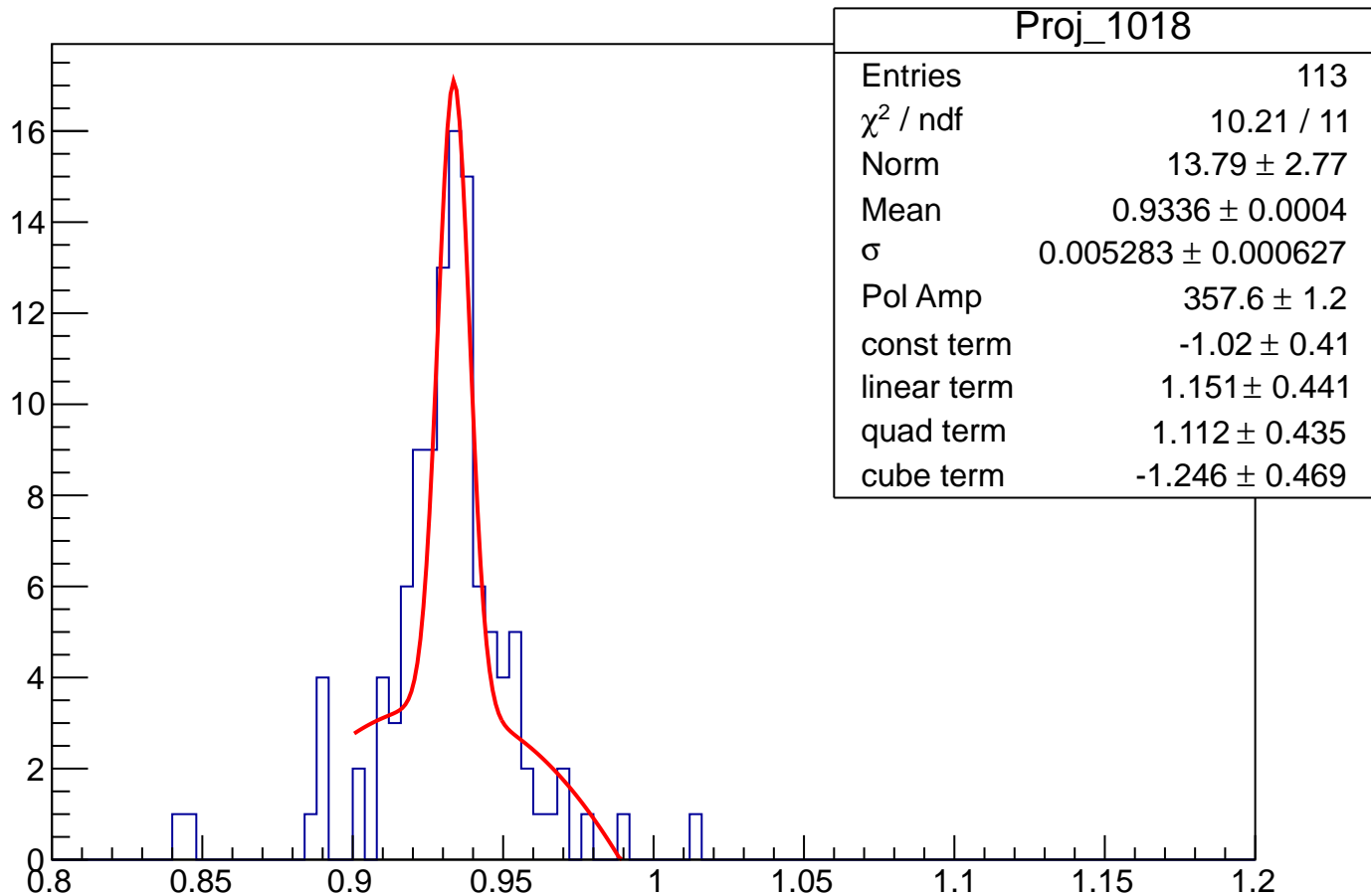
PhiThetaMassPip



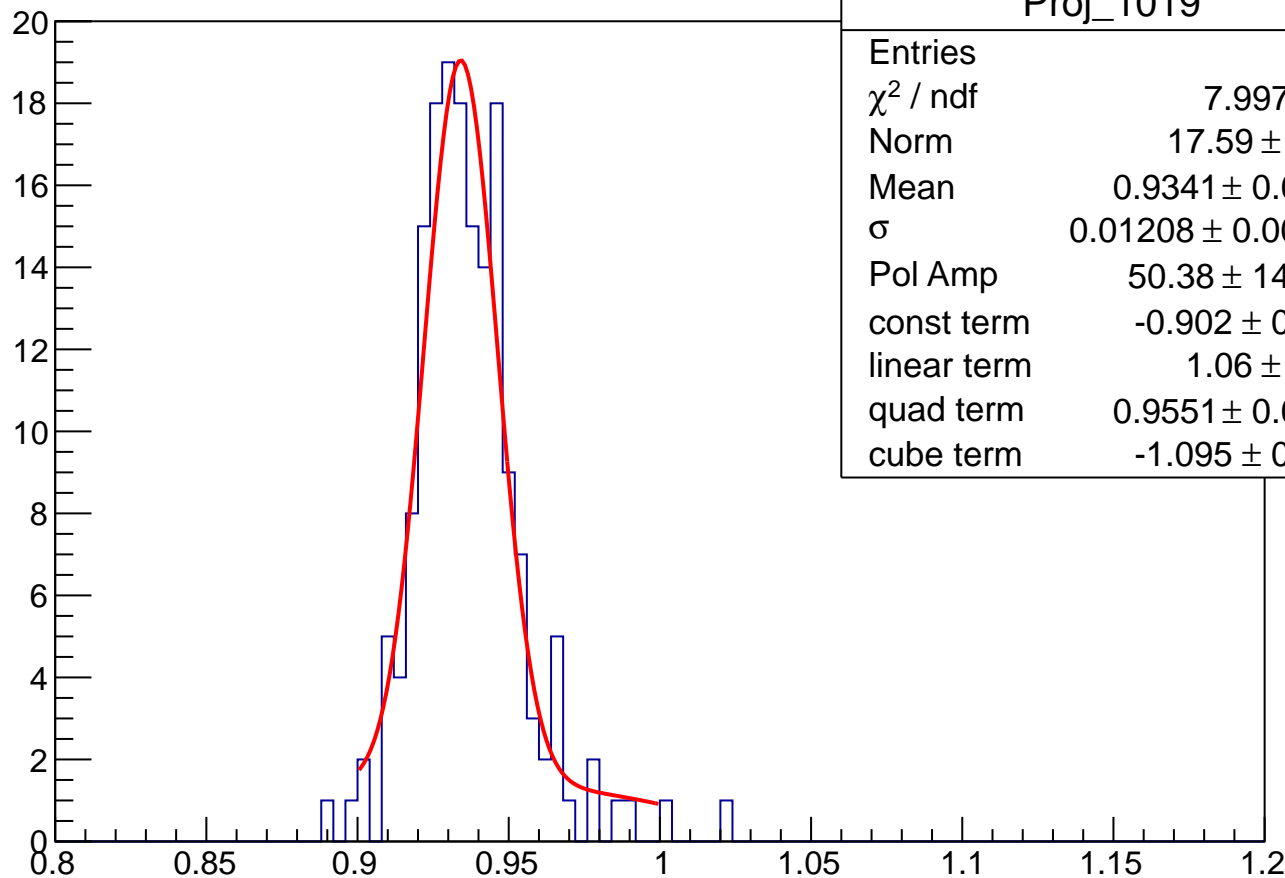
PhiThetaMassPip



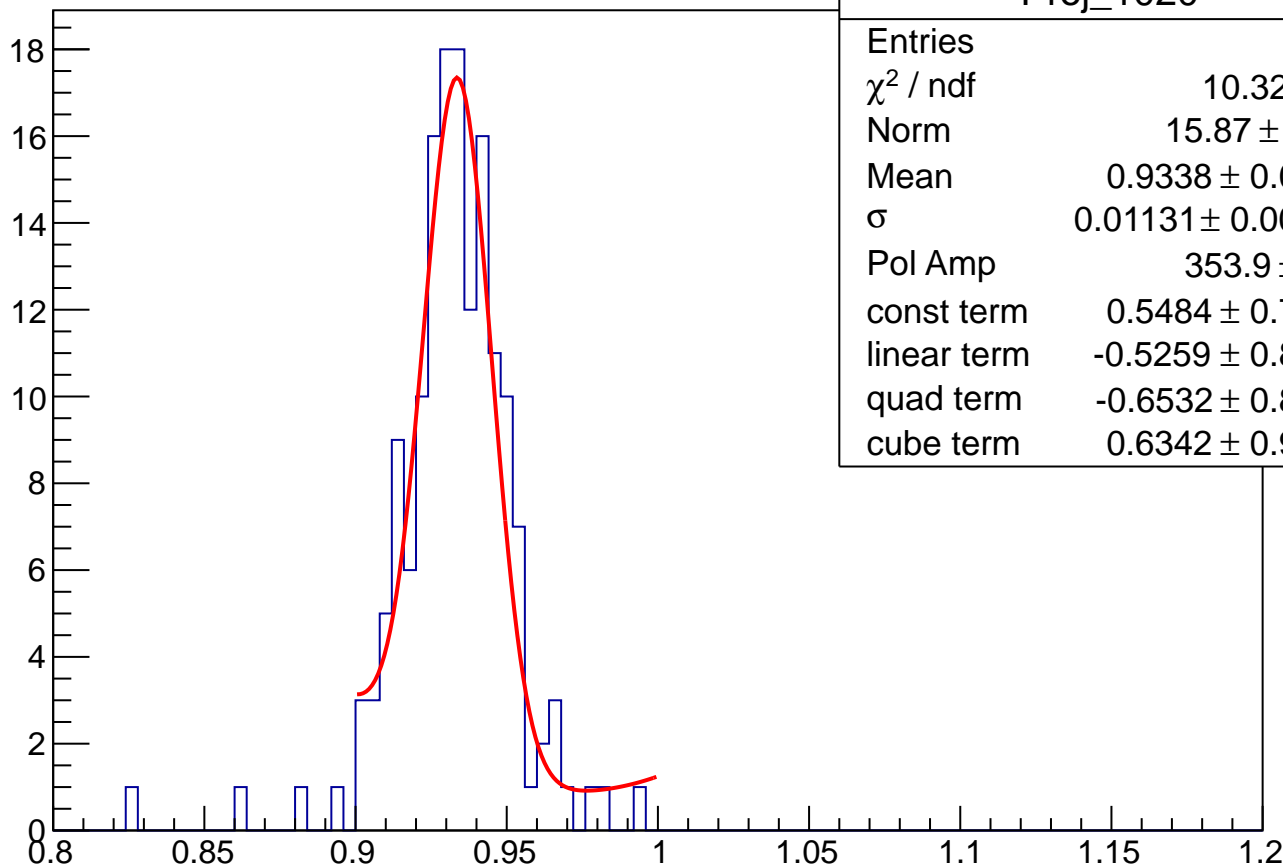
PhiThetaMassPip



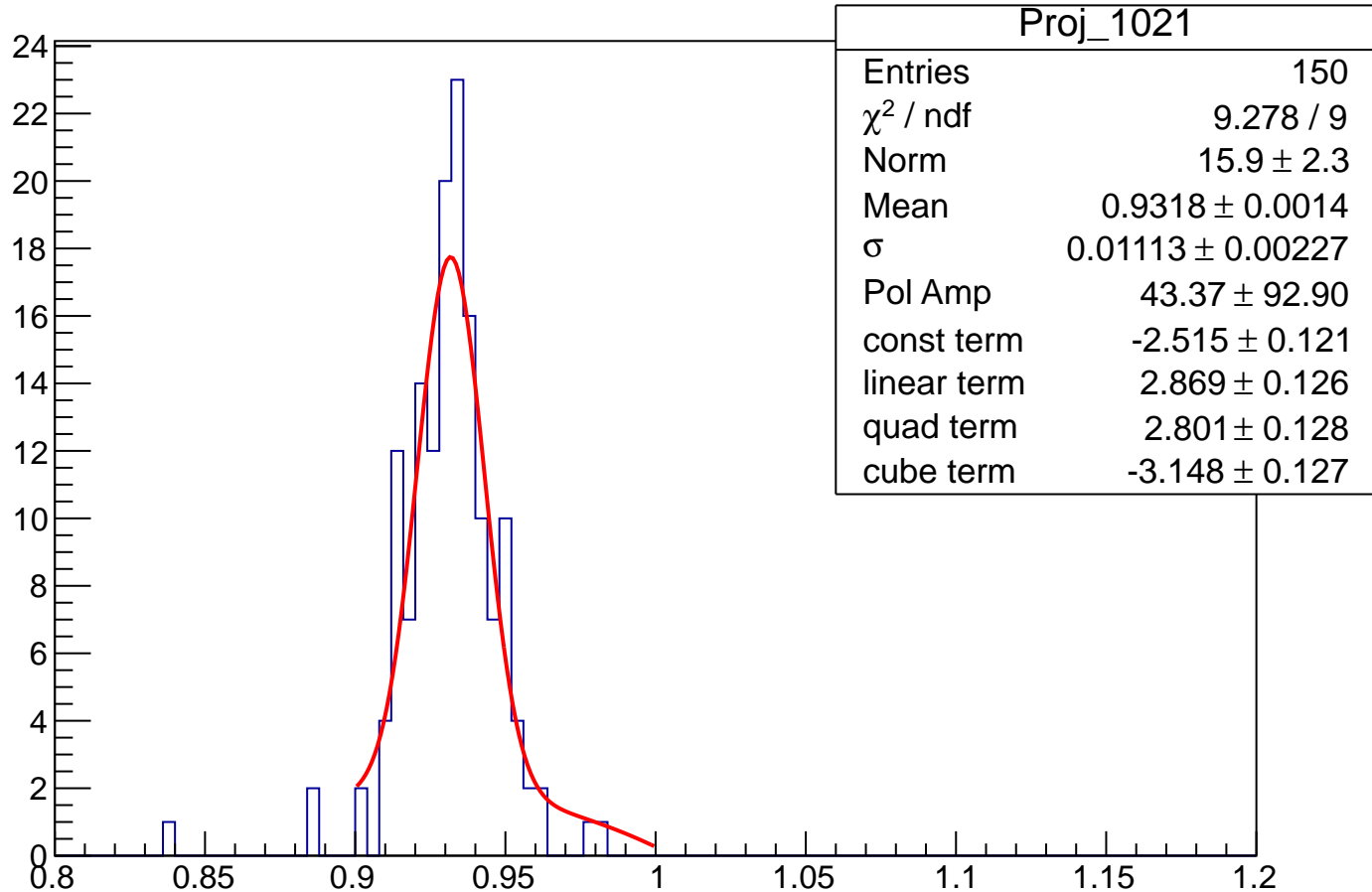
PhiThetaMassPip



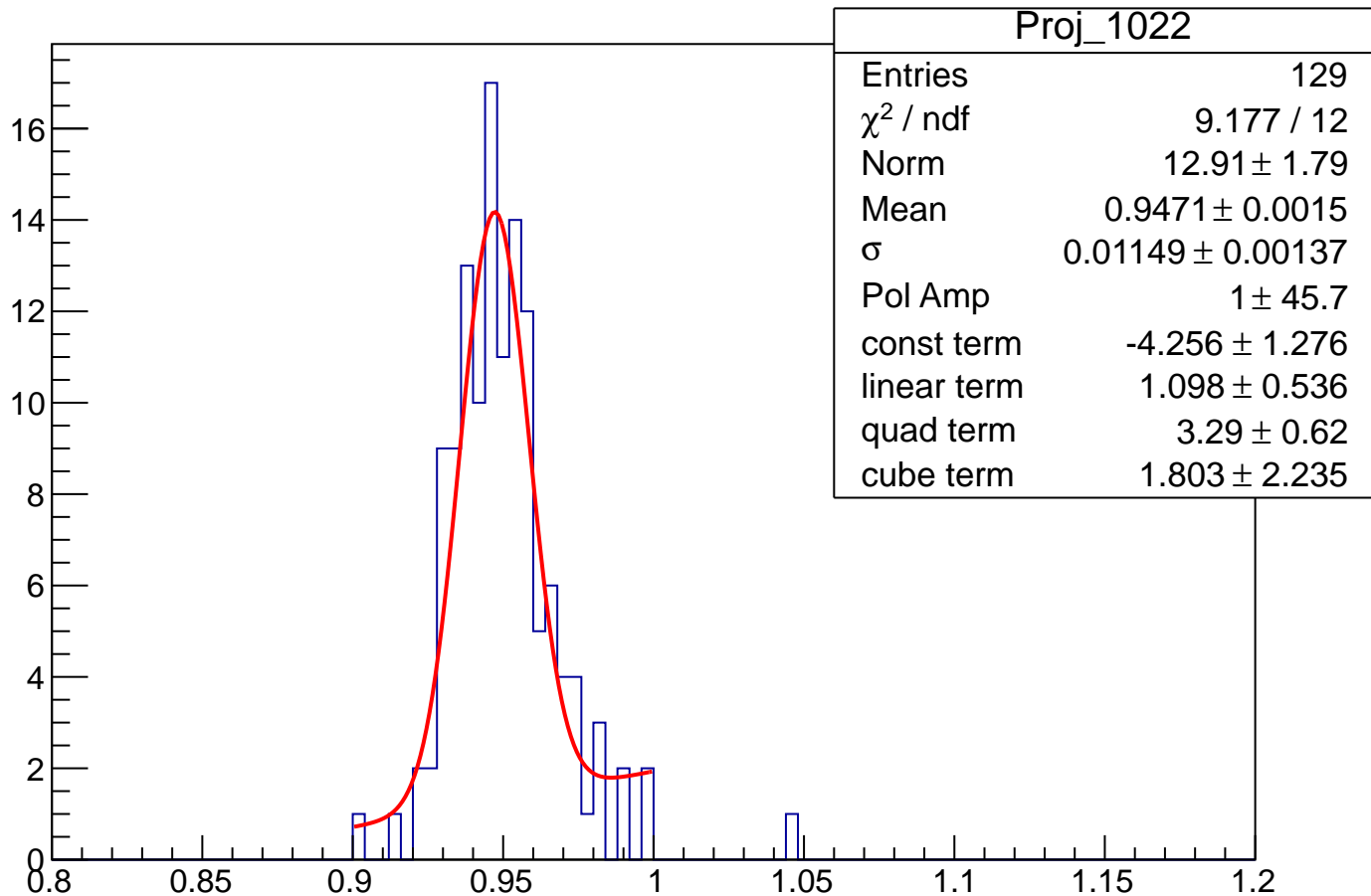
PhiThetaMassPip



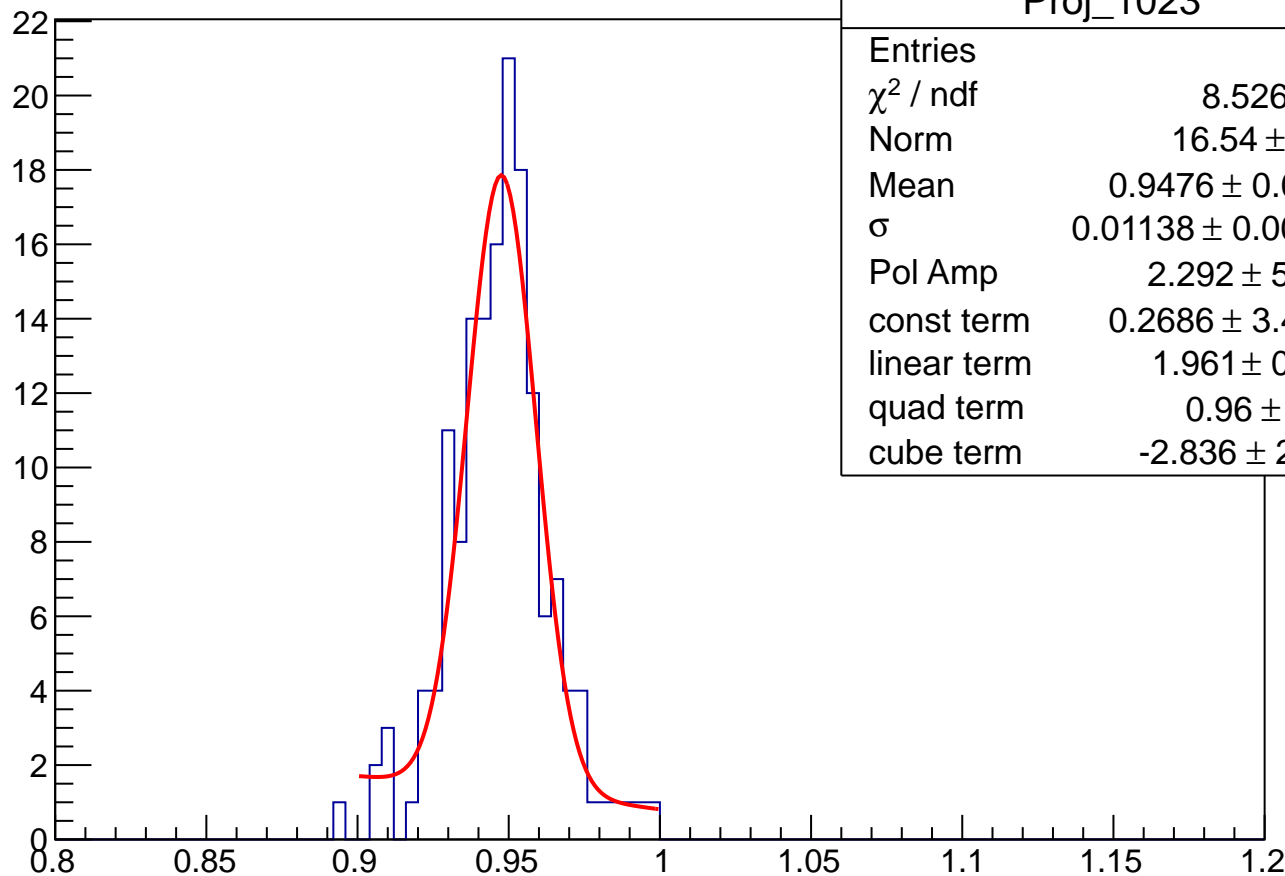
PhiThetaMassPip



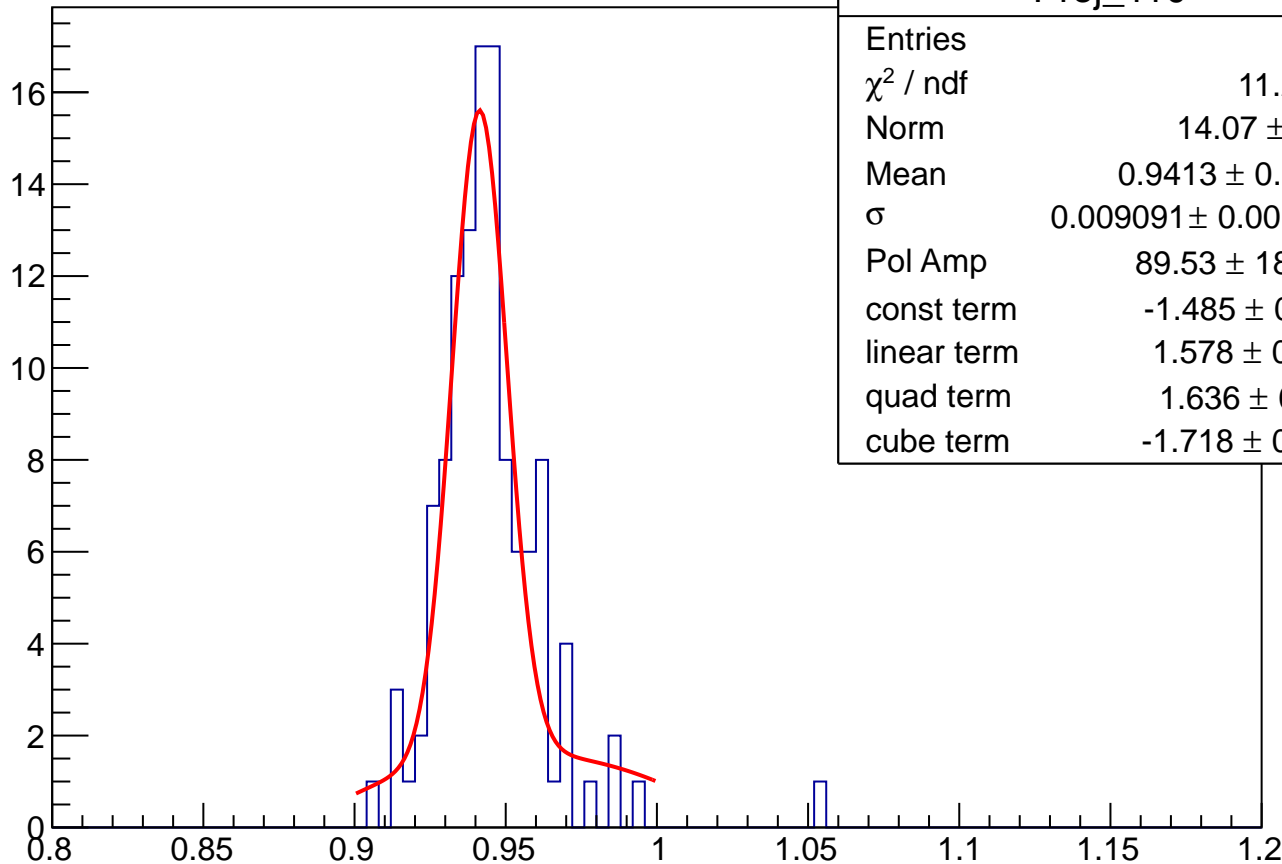
PhiThetaMassPip



PhiThetaMassPip



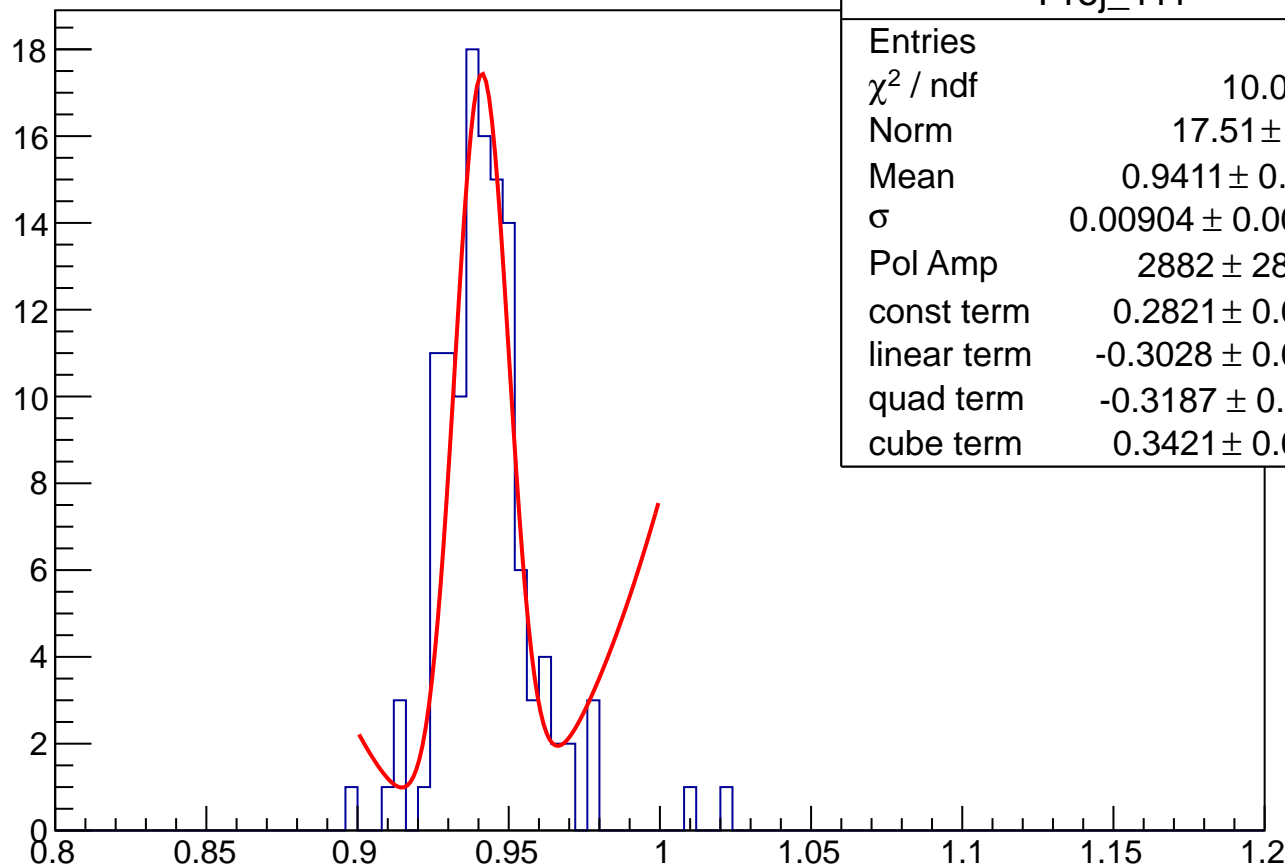
PhiThetaMassPip



Proj_110

Entries	119
χ^2 / ndf	11.2 / 11
Norm	14.07 ± 2.21
Mean	0.9413 ± 0.0013
σ	0.009091 ± 0.001430
Pol Amp	89.53 ± 185.77
const term	-1.485 ± 0.040
linear term	1.578 ± 0.048
quad term	1.636 ± 0.051
cube term	-1.718 ± 0.049

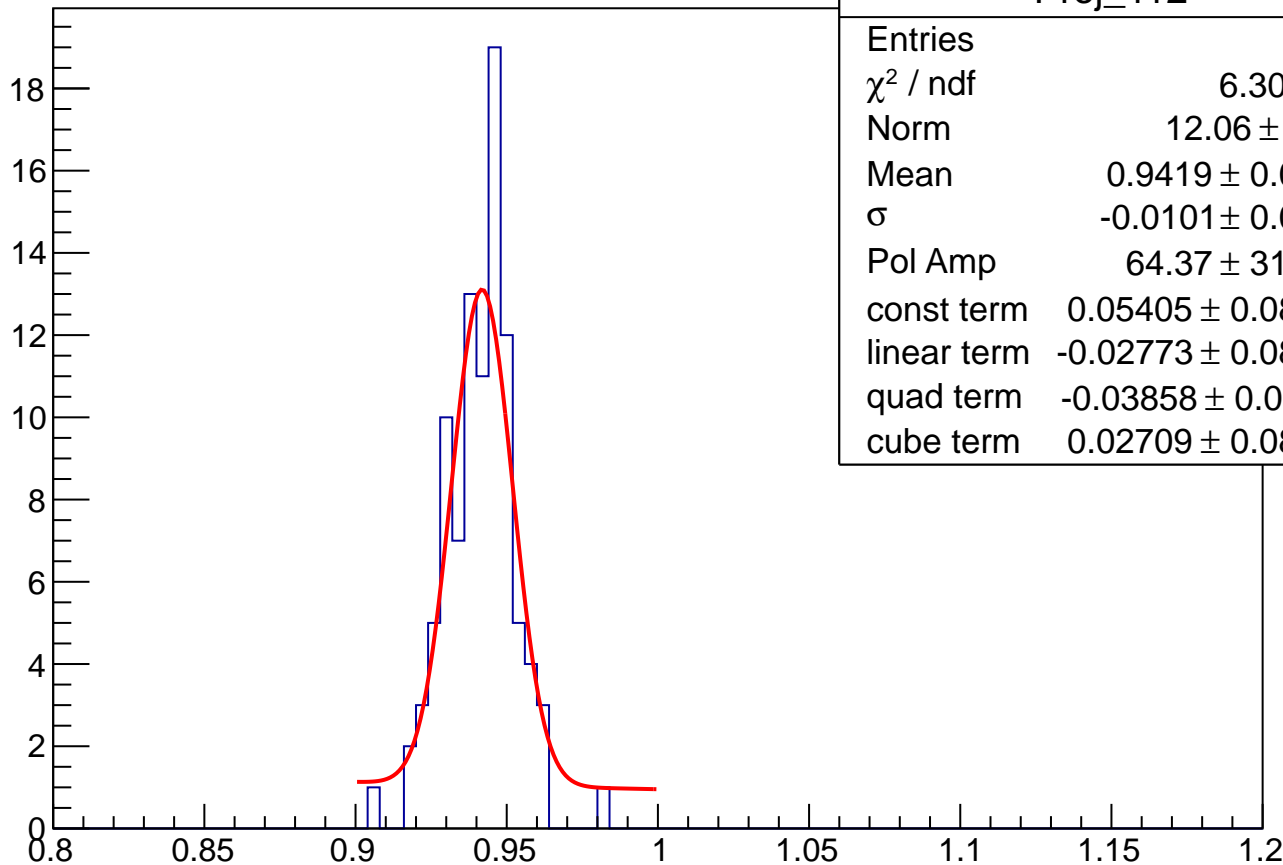
PhiThetaMassPip



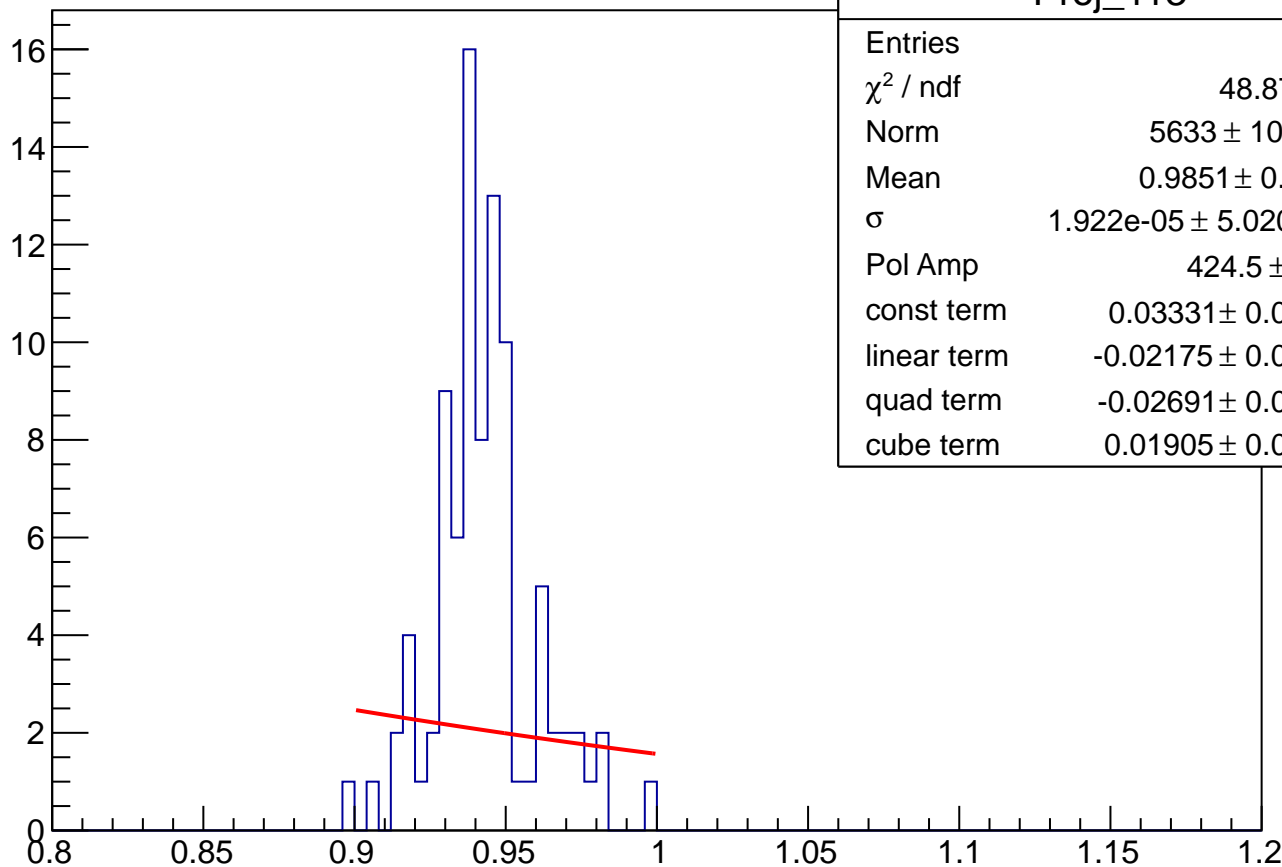
Proj_111

Entries	123
χ^2 / ndf	10.03 / 8
Norm	17.51 ± 2.63
Mean	0.9411 ± 0.0011
σ	0.00904 ± 0.00129
Pol Amp	2882 ± 2847.0
const term	0.2821 ± 0.0017
linear term	-0.3028 ± 0.0019
quad term	-0.3187 ± 0.0021
cube term	0.3421 ± 0.0022

PhiThetaMassPip



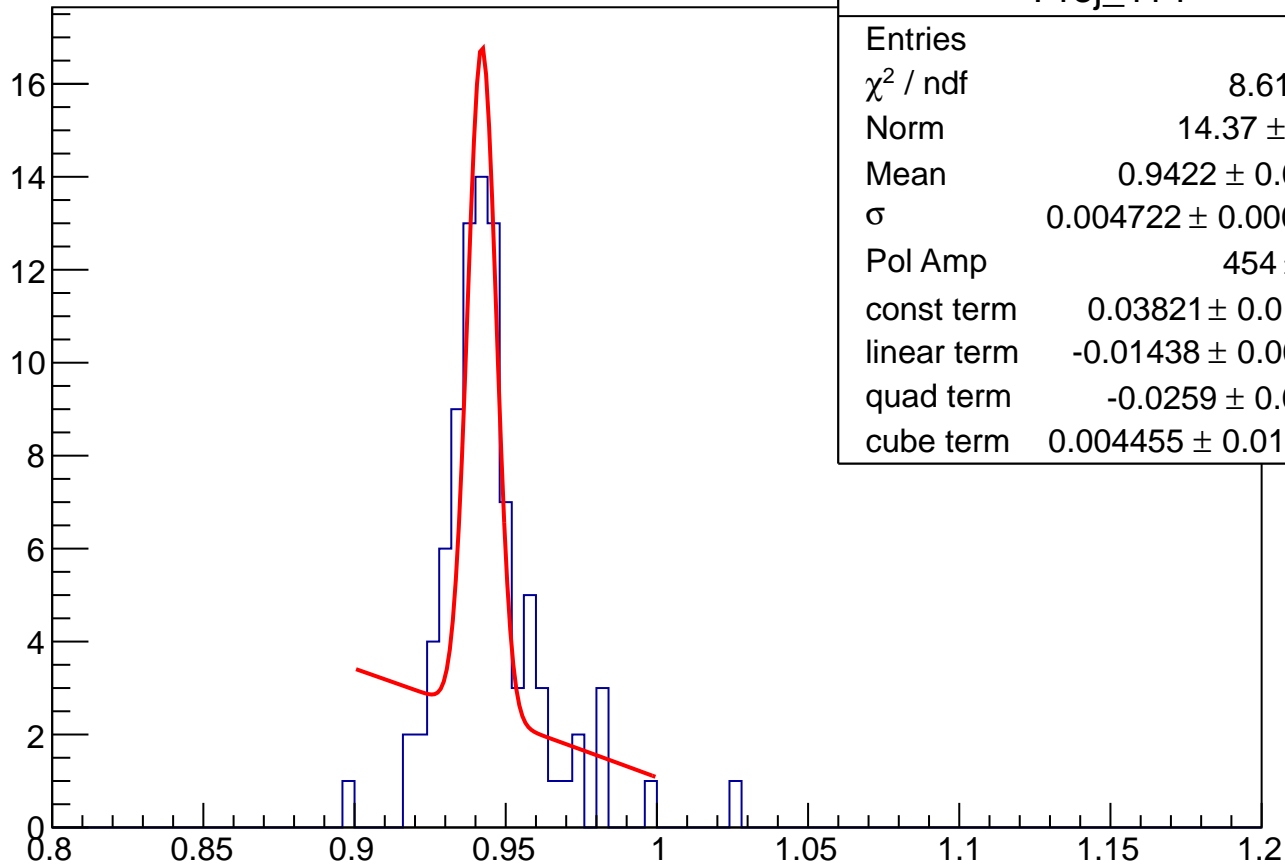
PhiThetaMassPip



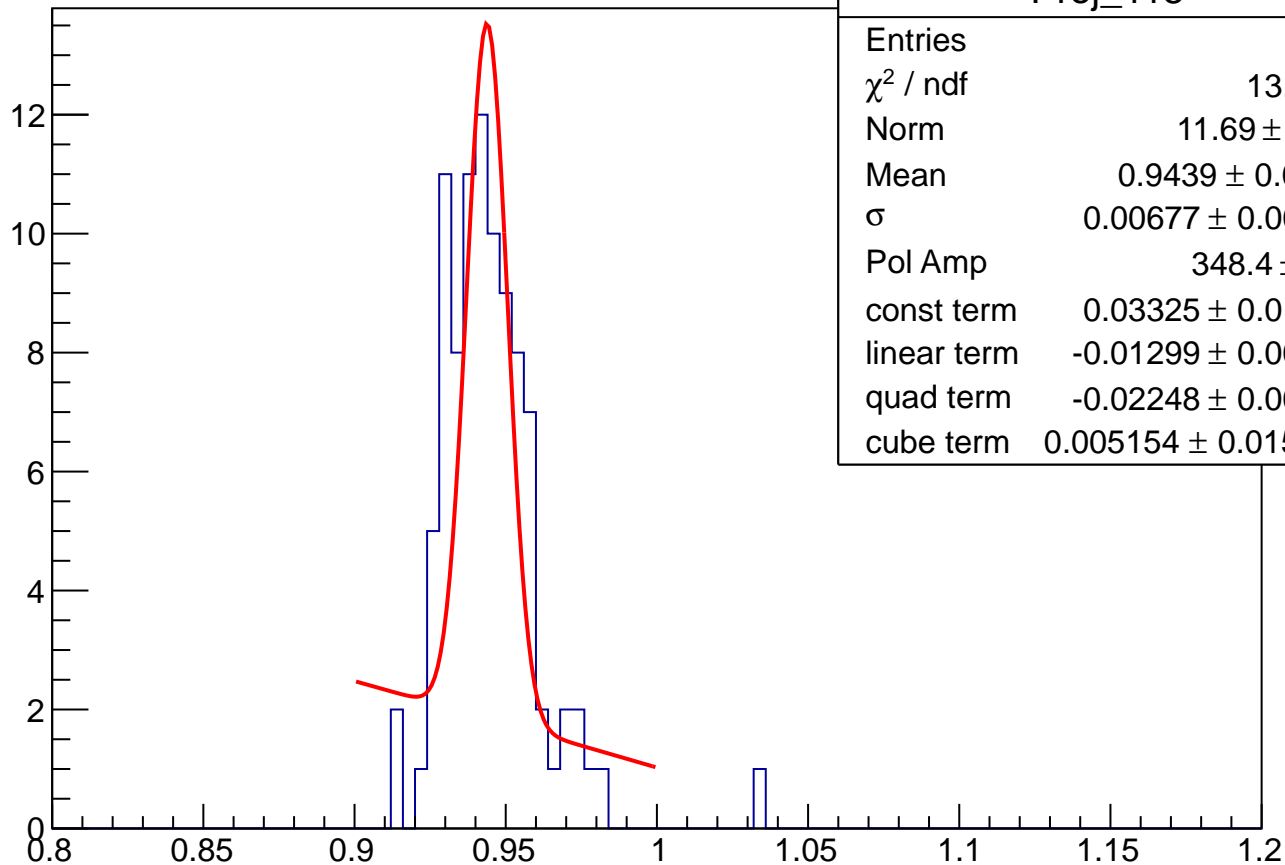
Proj_113

Entries	90
χ^2 / ndf	48.87 / 12
Norm	5633 ± 10746.1
Mean	0.9851 ± 0.0819
σ	$1.922\text{e-}05 \pm 5.020\text{e-}09$
Pol Amp	424.5 ± 66.9
const term	0.03331 ± 0.00076
linear term	-0.02175 ± 0.00080
quad term	-0.02691 ± 0.00084
cube term	0.01905 ± 0.00087

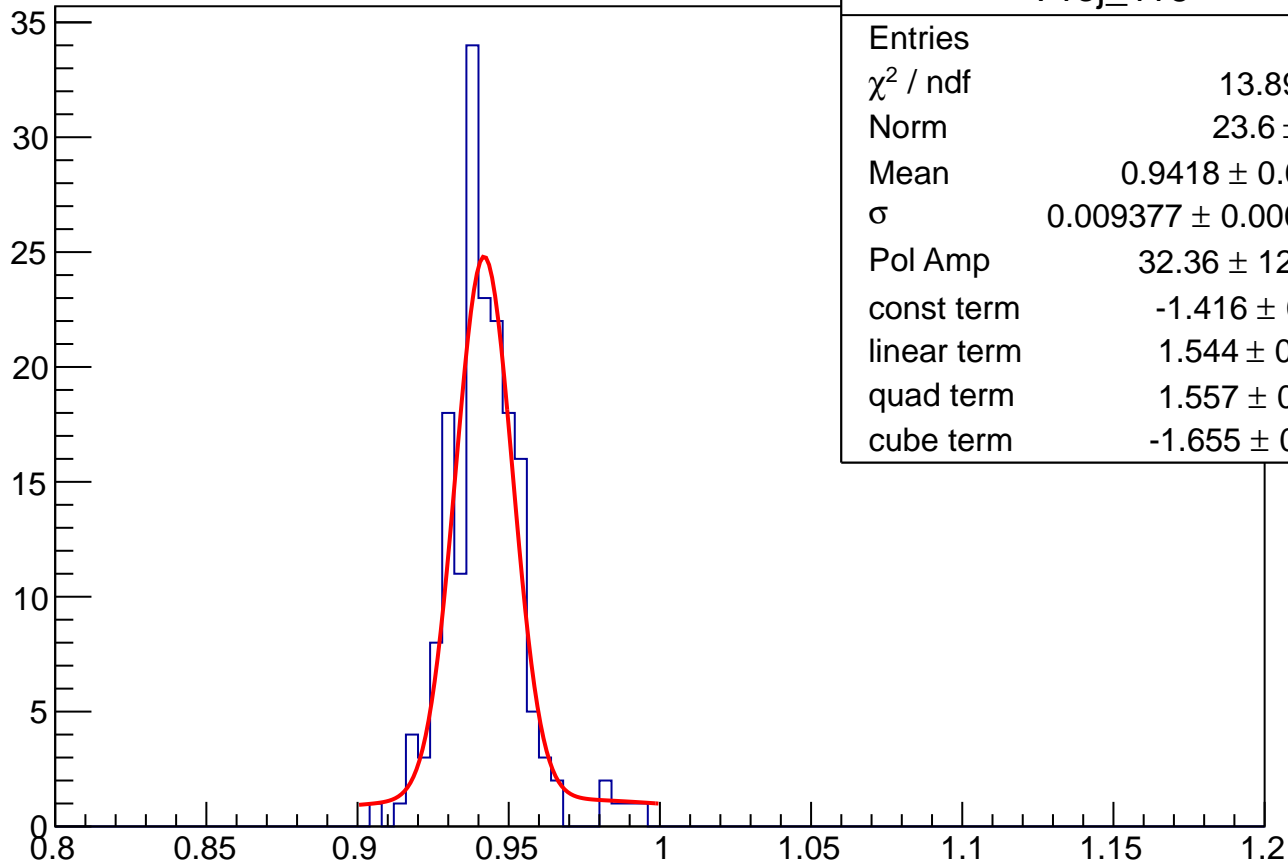
PhiThetaMassPip



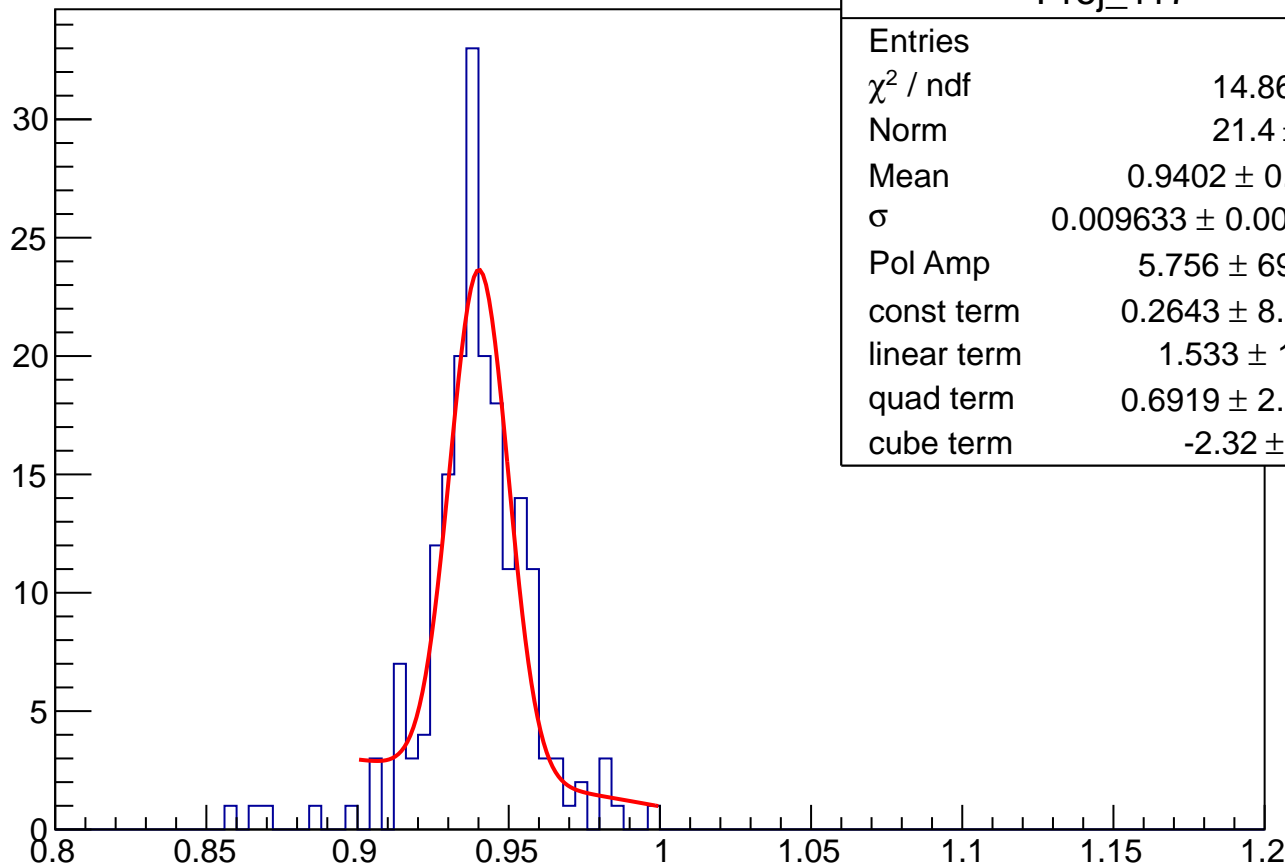
PhiThetaMassPip



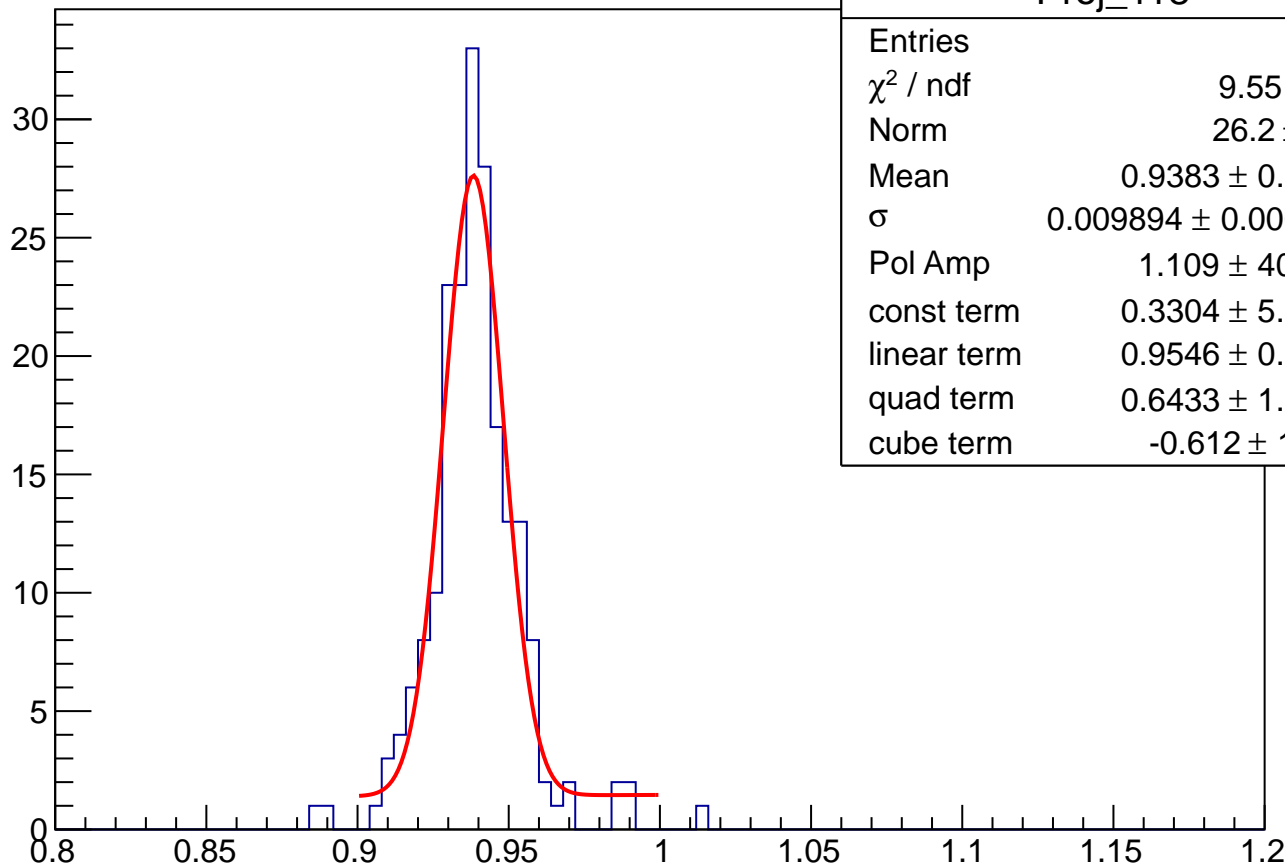
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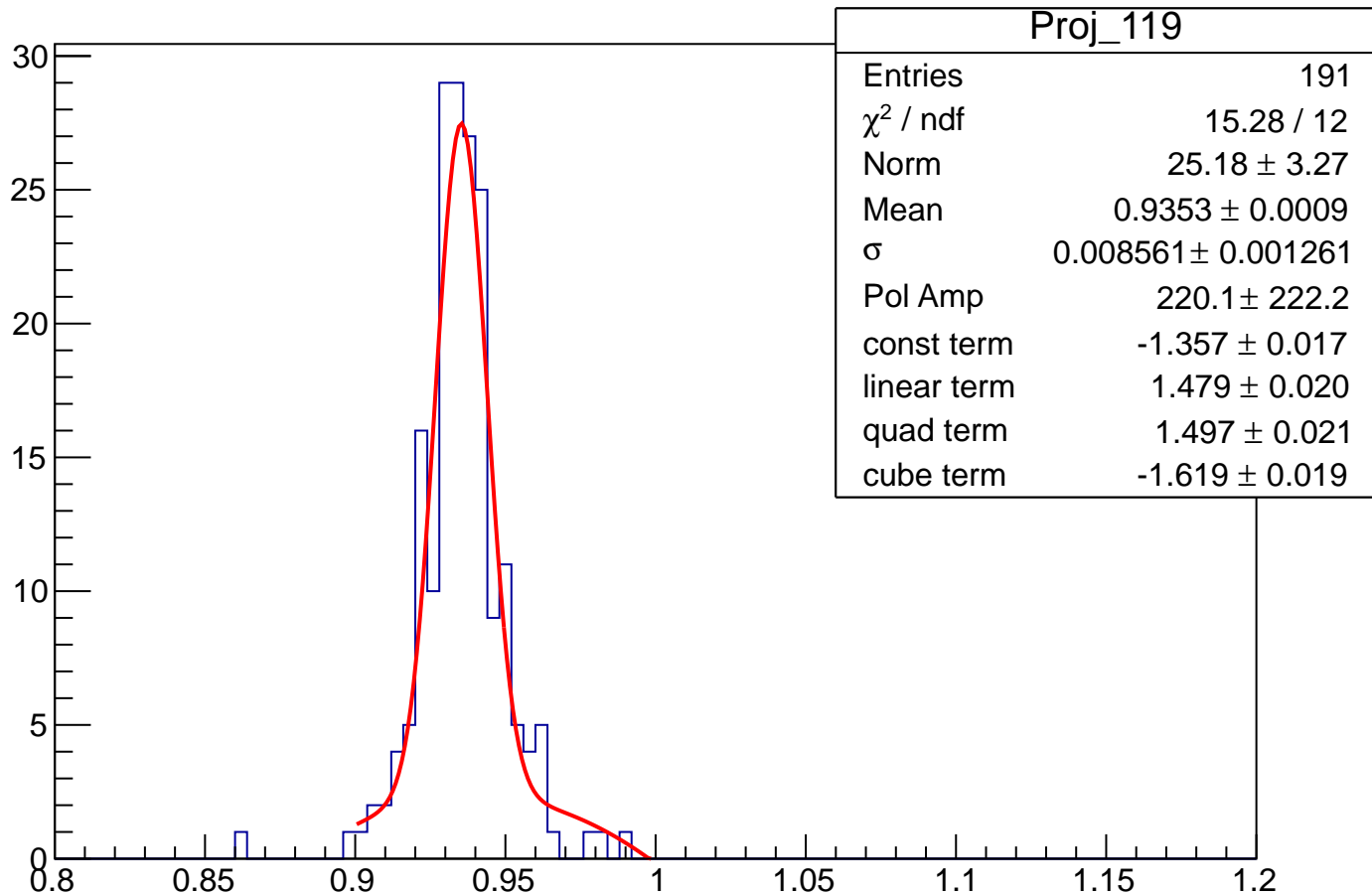
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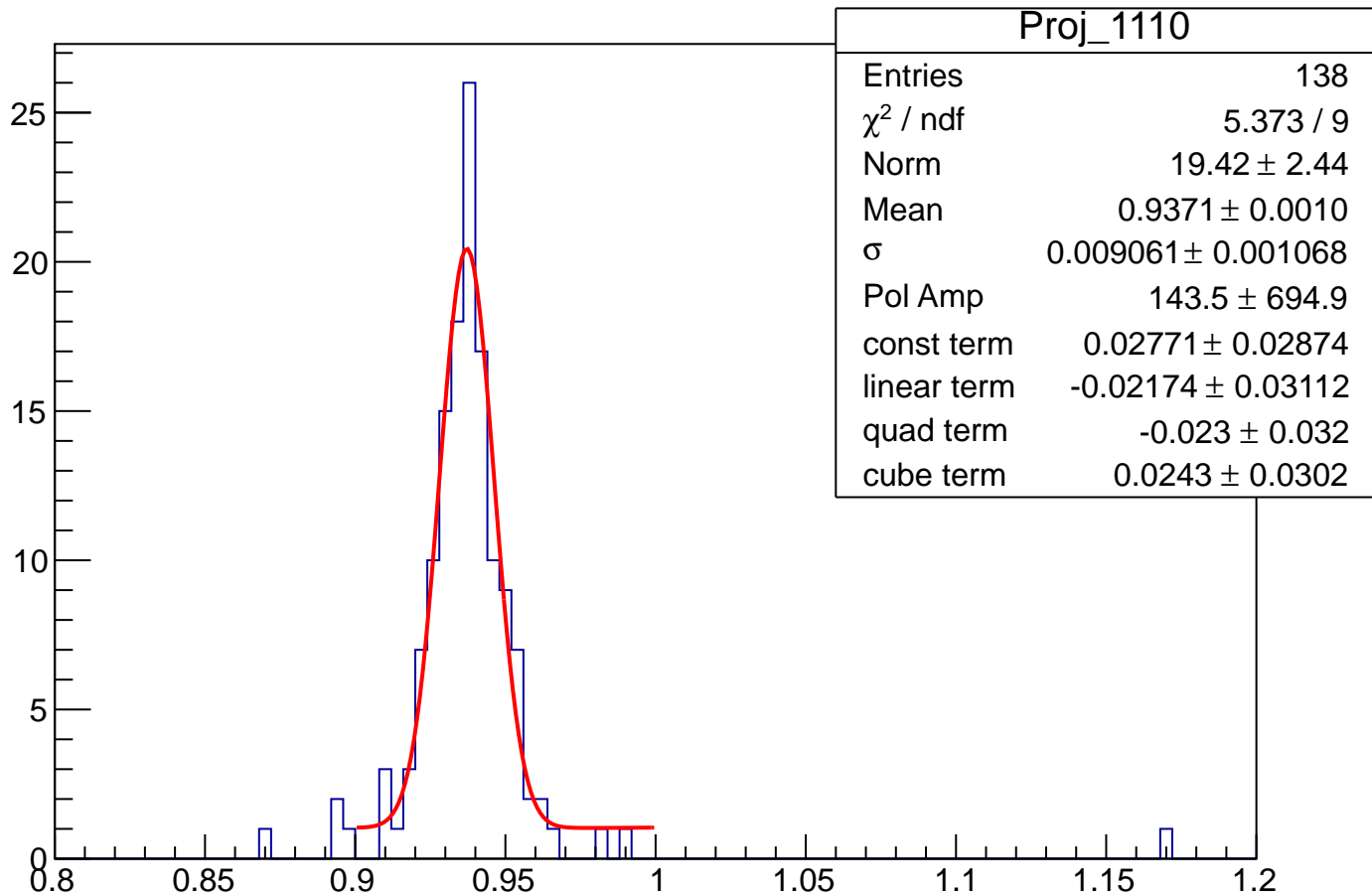
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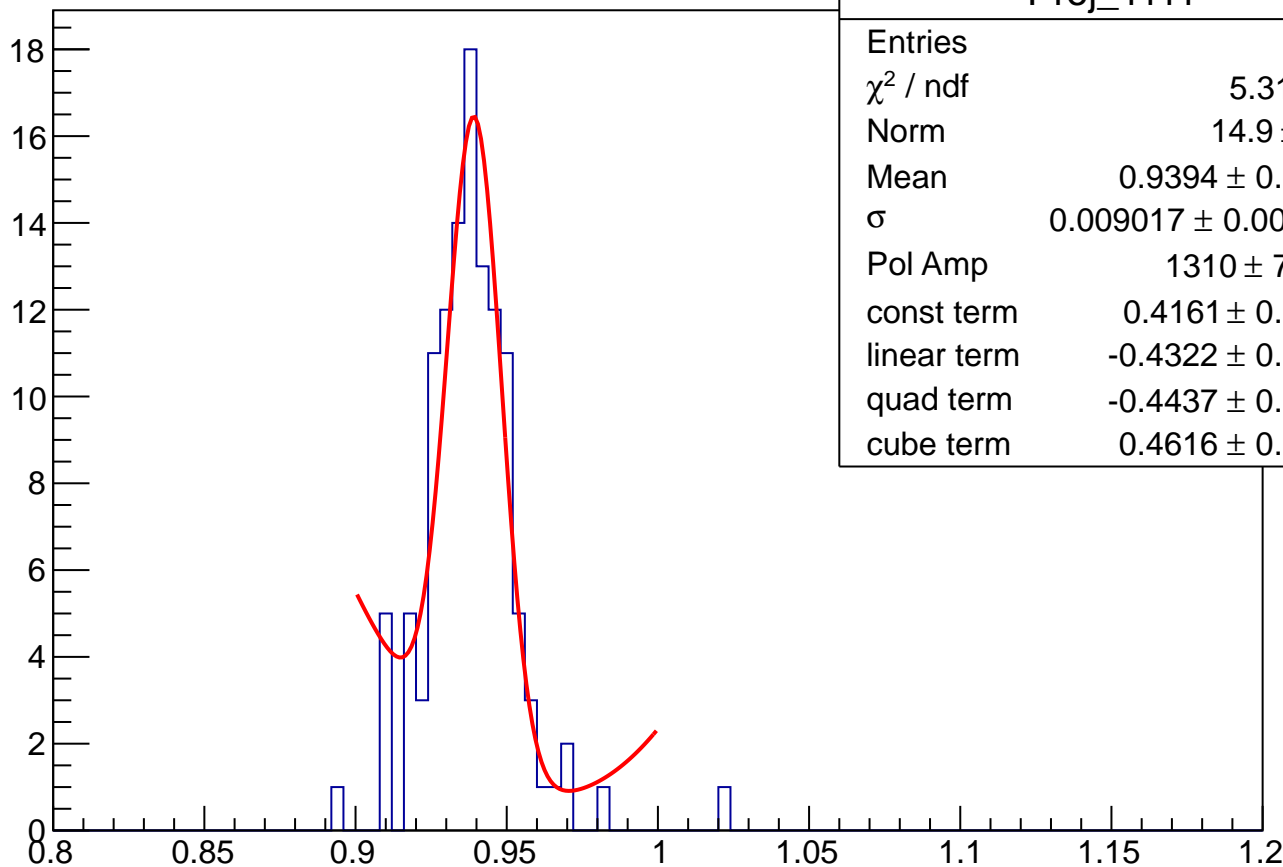
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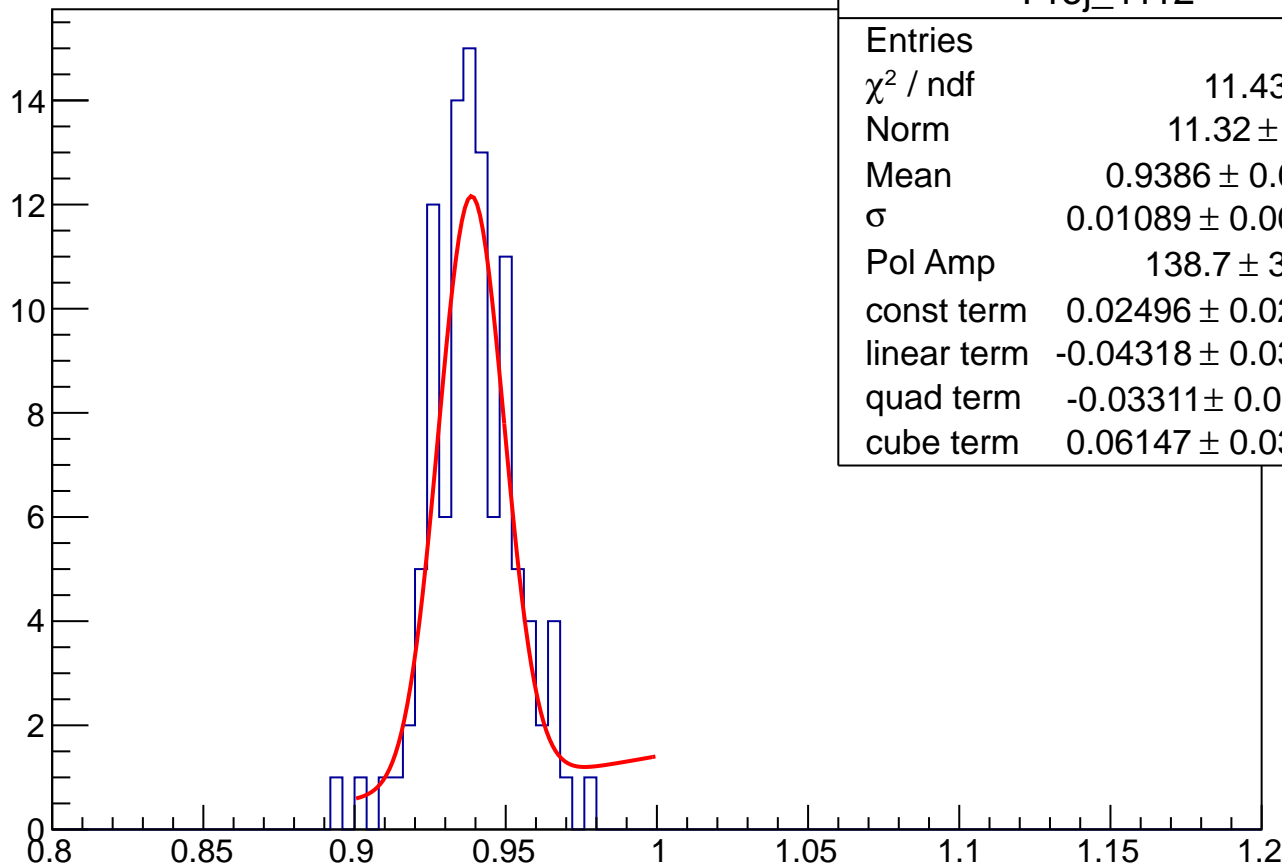
PhiThetaMassPip



PhiThetaMassPip



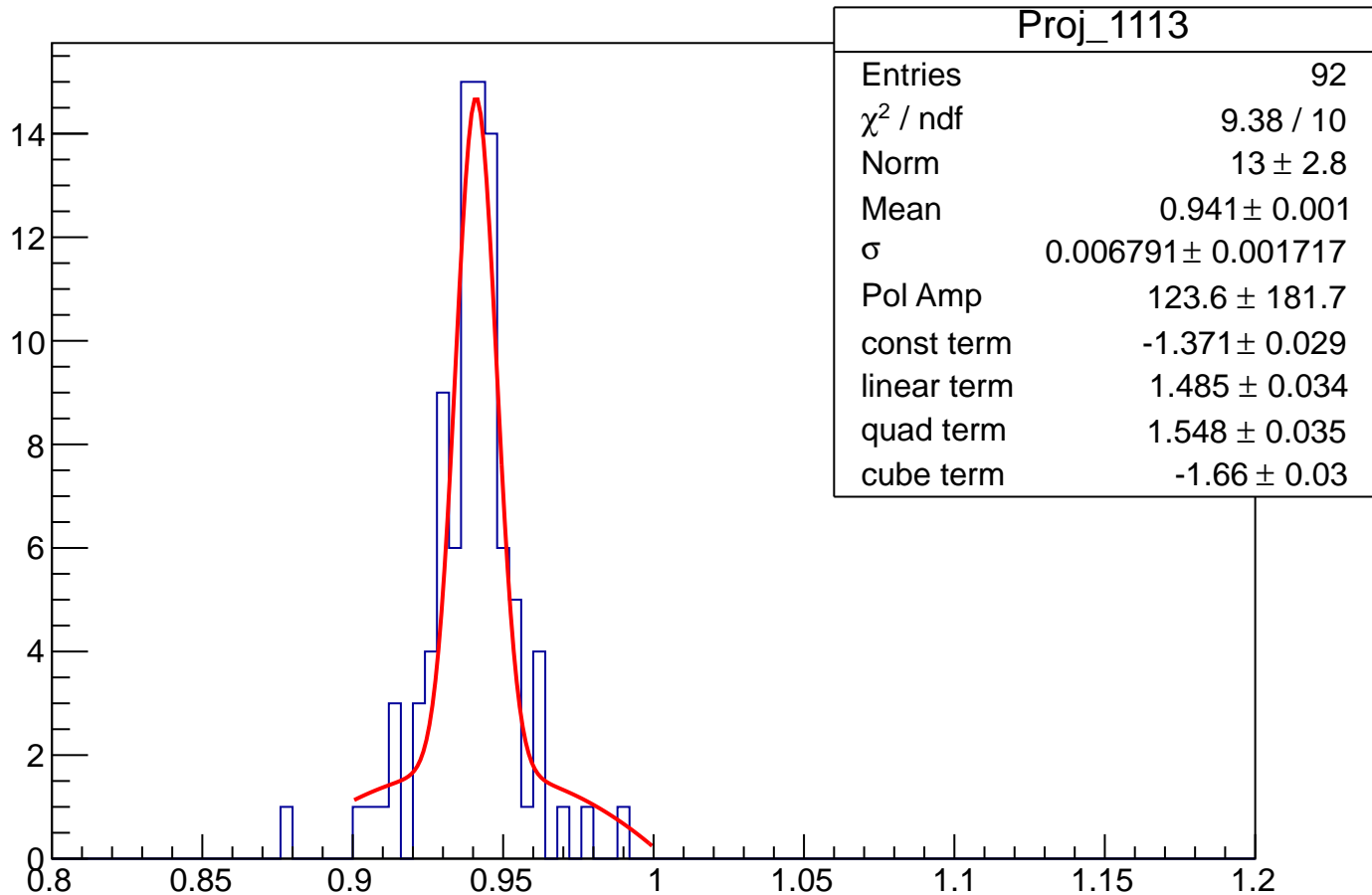
PhiThetaMassPip



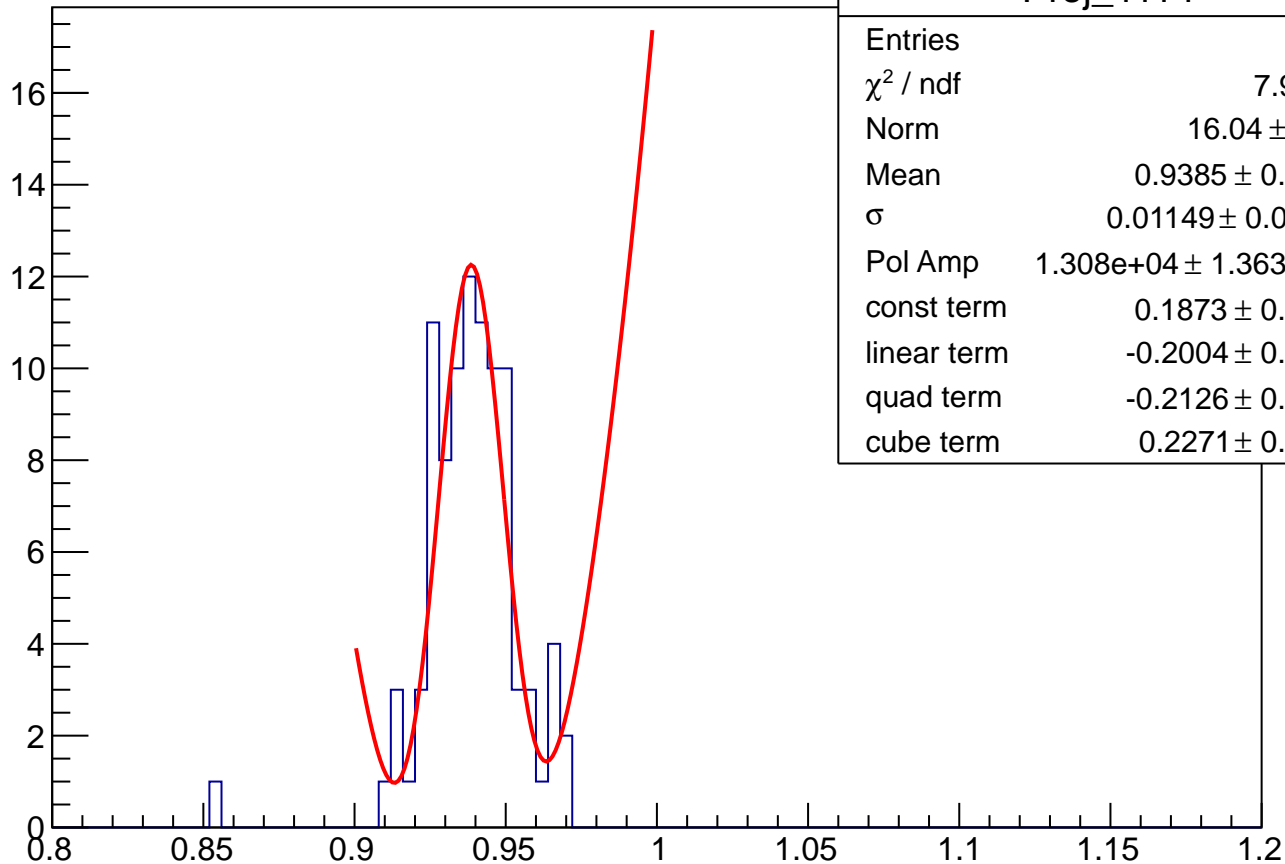
Proj_1112

Entries	105
χ^2 / ndf	11.43 / 10
Norm	11.32 ± 1.74
Mean	0.9386 ± 0.0017
σ	0.01089 ± 0.00170
Pol Amp	138.7 ± 344.8
const term	0.02496 ± 0.02664
linear term	-0.04318 ± 0.03012
quad term	-0.03311 ± 0.03331
cube term	0.06147 ± 0.03615

PhiThetaMassPip



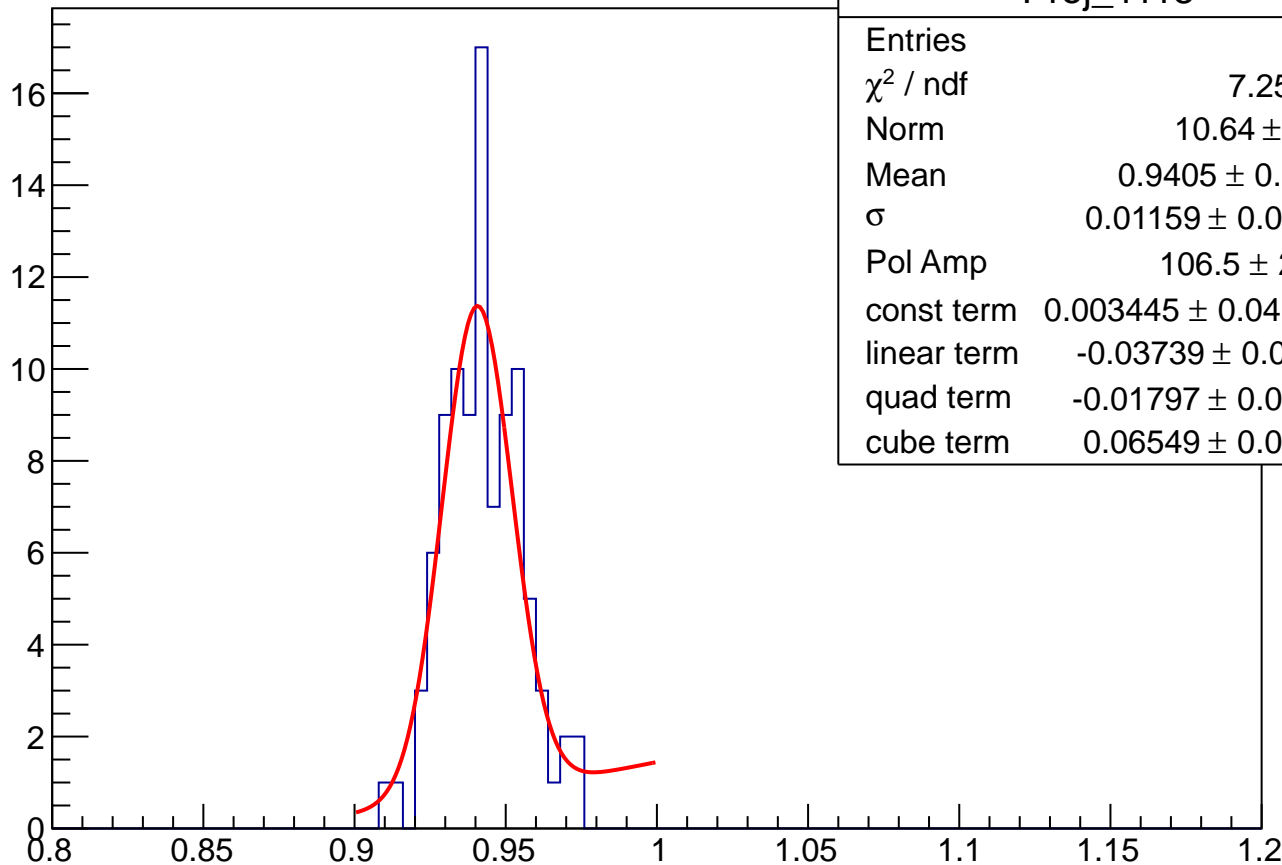
PhiThetaMassPip



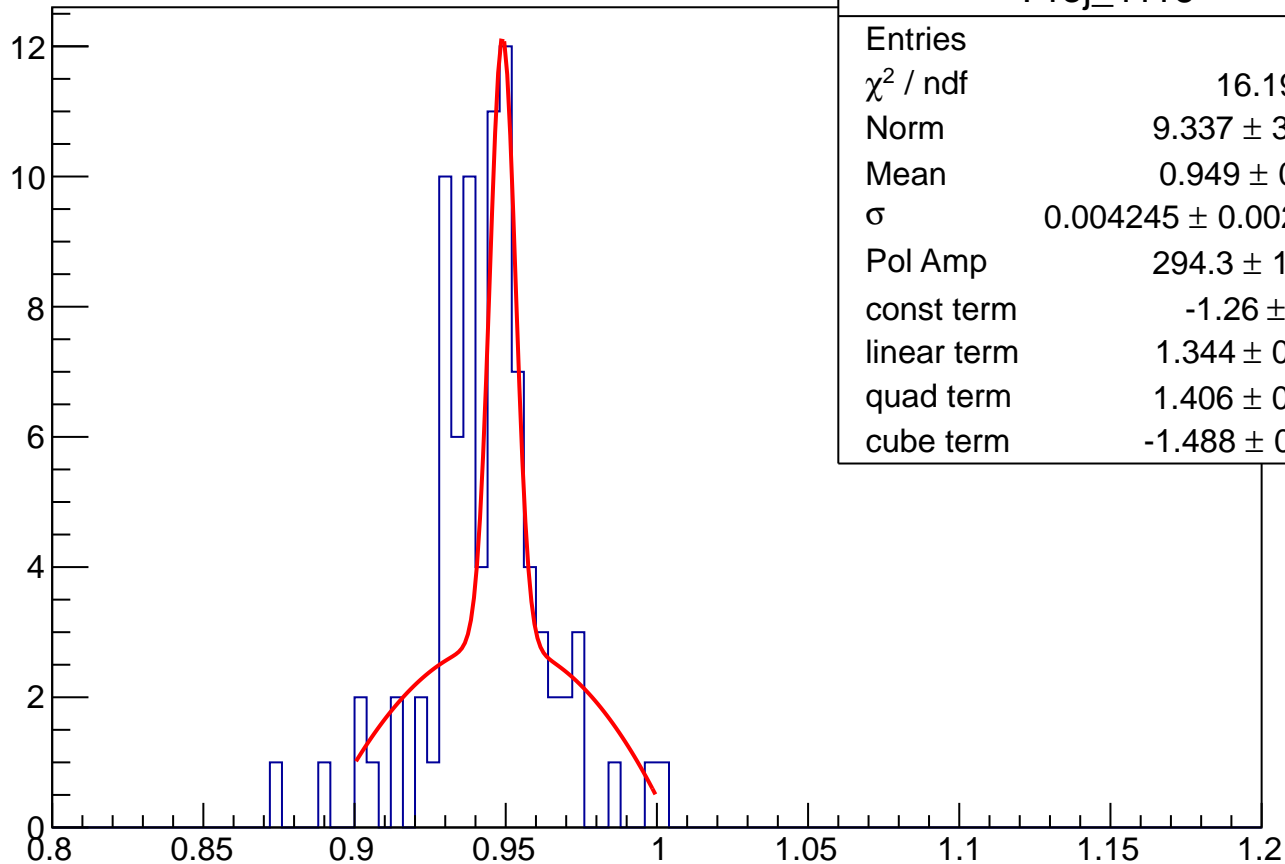
Proj_1114

Entries	94
χ^2 / ndf	7.91 / 8
Norm	16.04 ± 6.03
Mean	0.9385 ± 0.0010
σ	0.01149 ± 0.00292
Pol Amp	$1.308\text{e}+04 \pm 1.363\text{e}+04$
const term	0.1873 ± 0.0003
linear term	-0.2004 ± 0.0004
quad term	-0.2126 ± 0.0004
cube term	0.2271 ± 0.0004

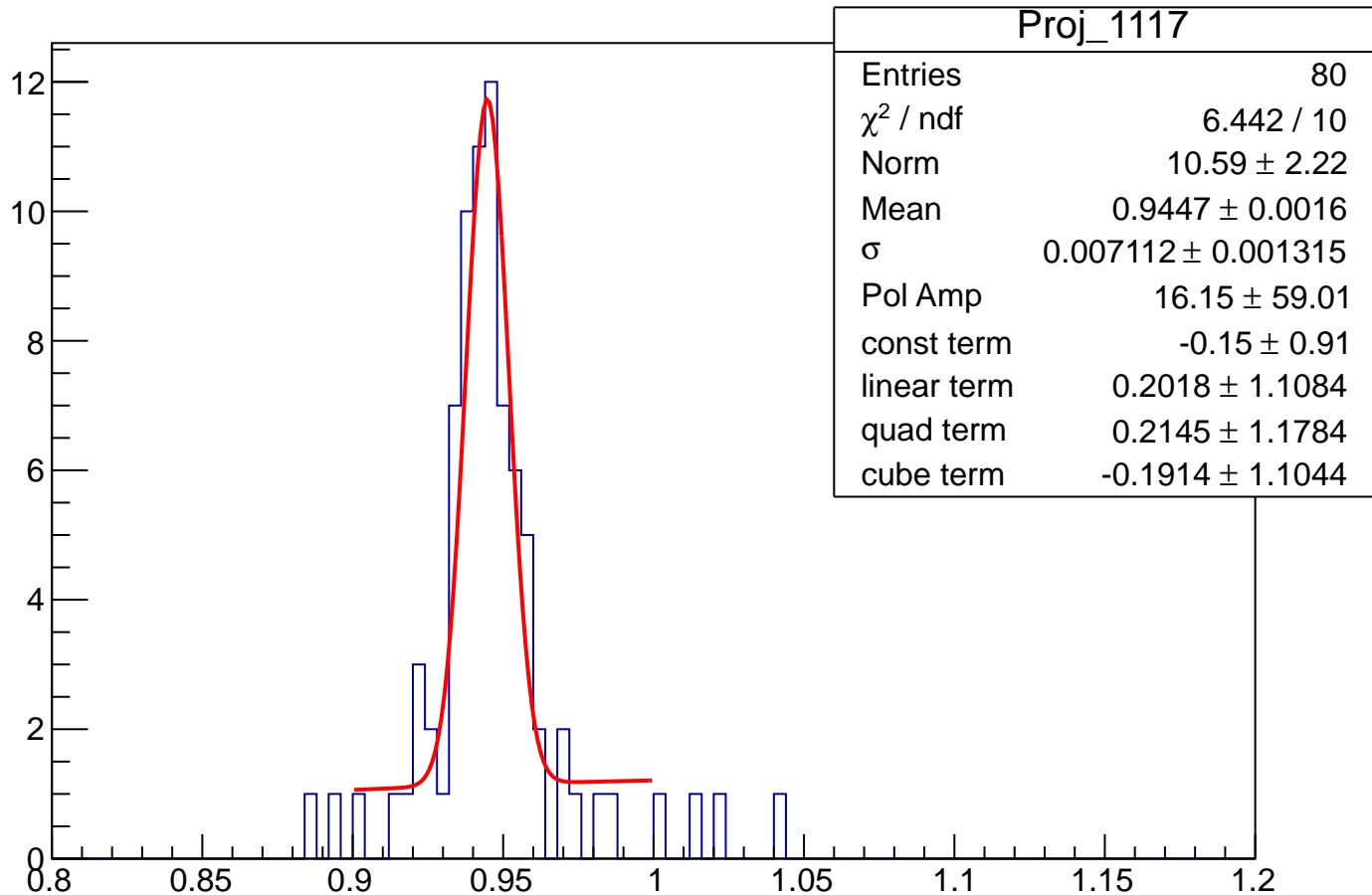
PhiThetaMassPip



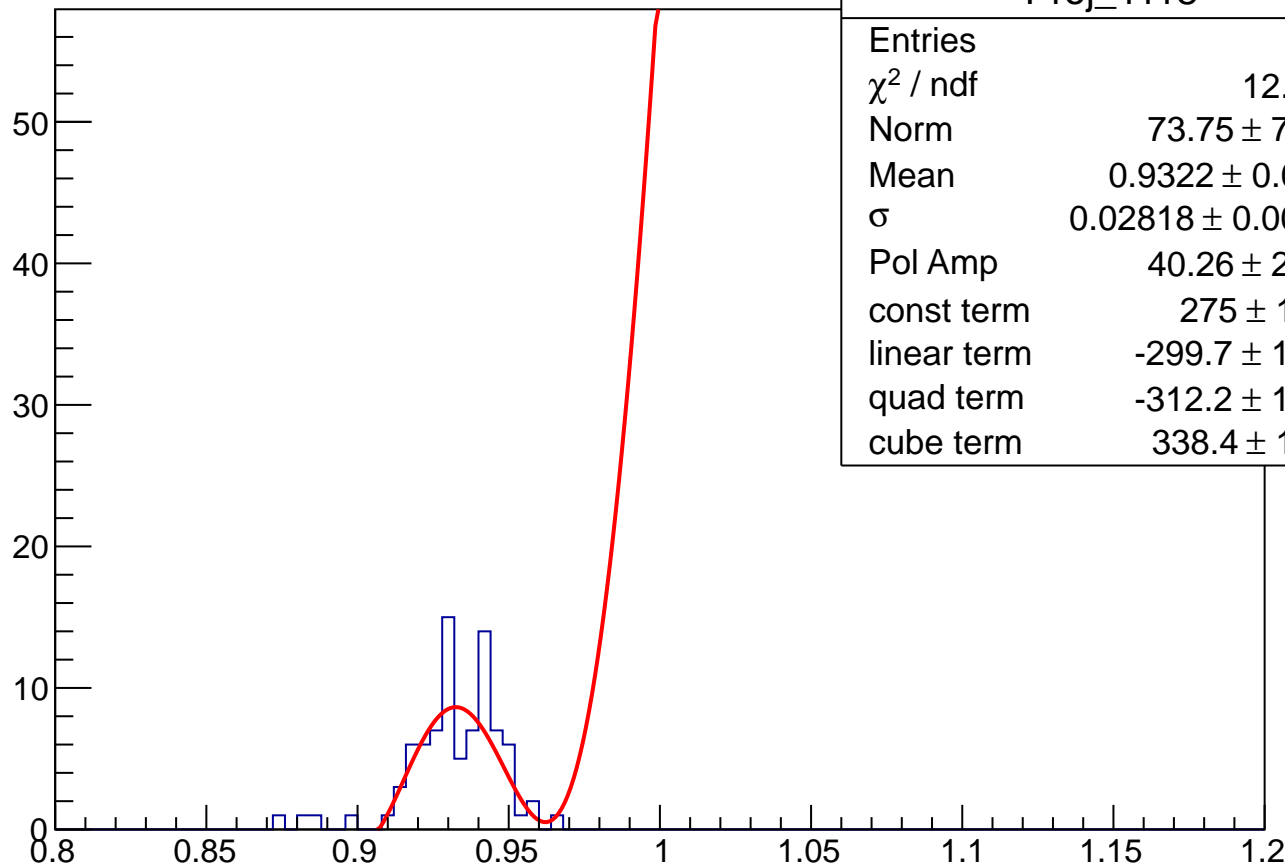
PhiThetaMassPip



PhiThetaMassPip



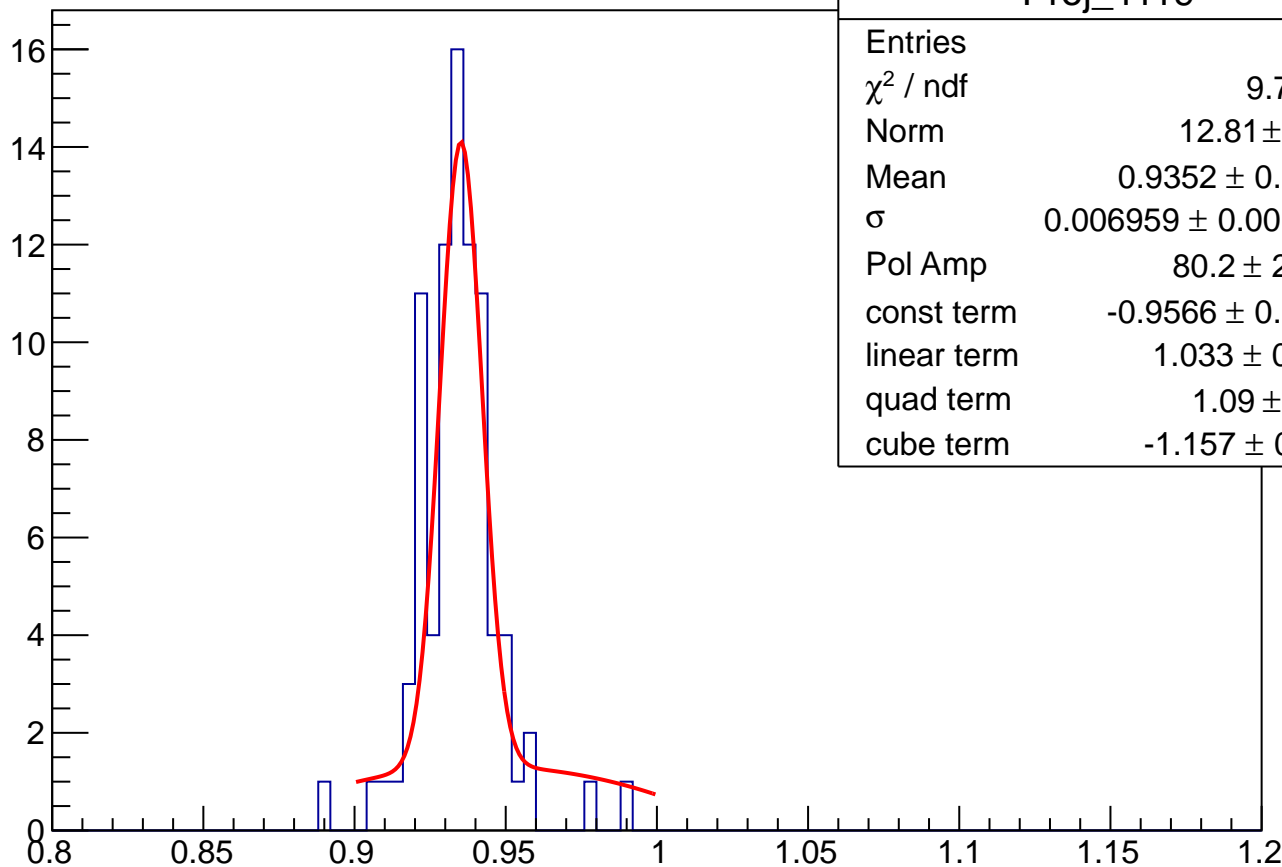
PhiThetaMassPip



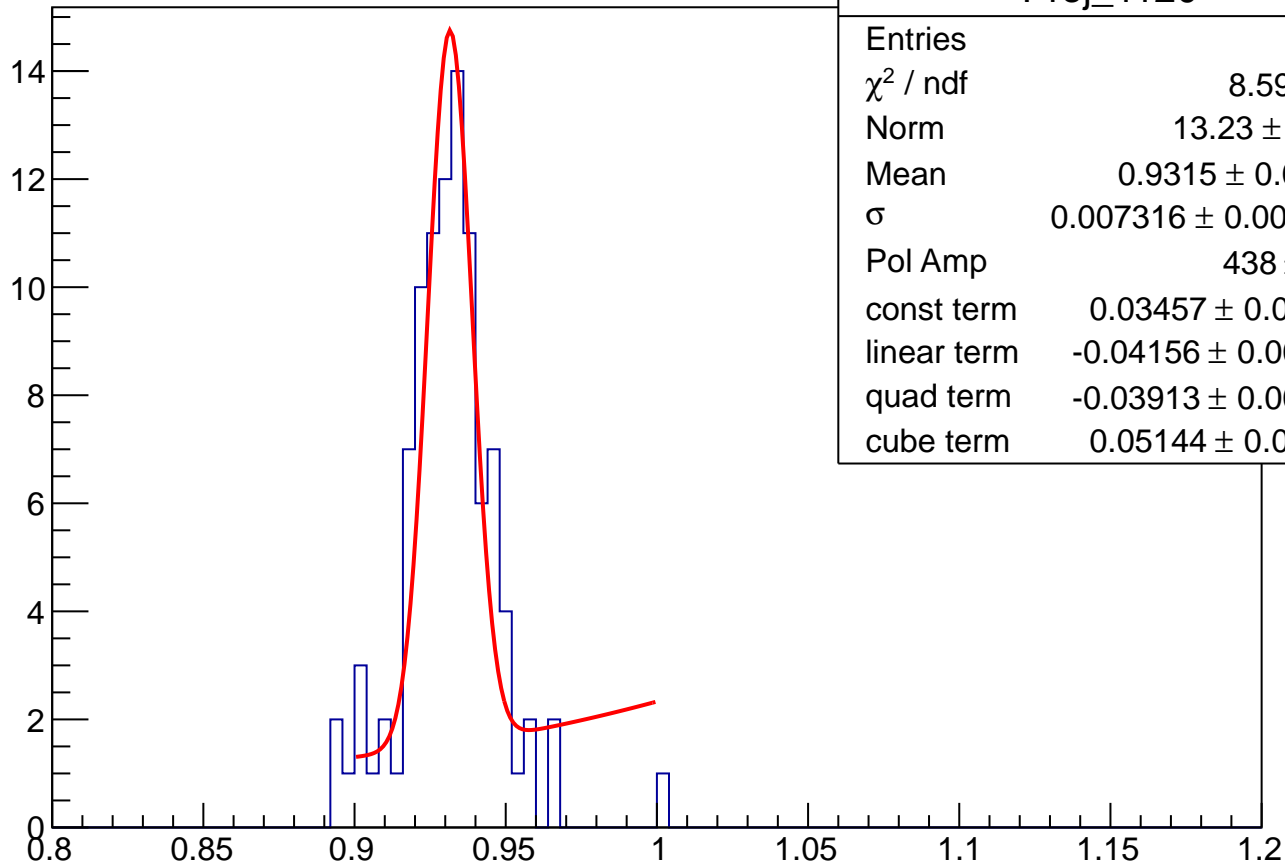
Proj_1118

Entries	85
χ^2 / ndf	12.6 / 6
Norm	73.75 ± 76.54
Mean	0.9322 ± 0.0046
σ	0.02818 ± 0.00665
Pol Amp	40.26 ± 21.34
const term	275 ± 162.1
linear term	-299.7 ± 173.6
quad term	-312.2 ± 182.4
cube term	338.4 ± 194.1

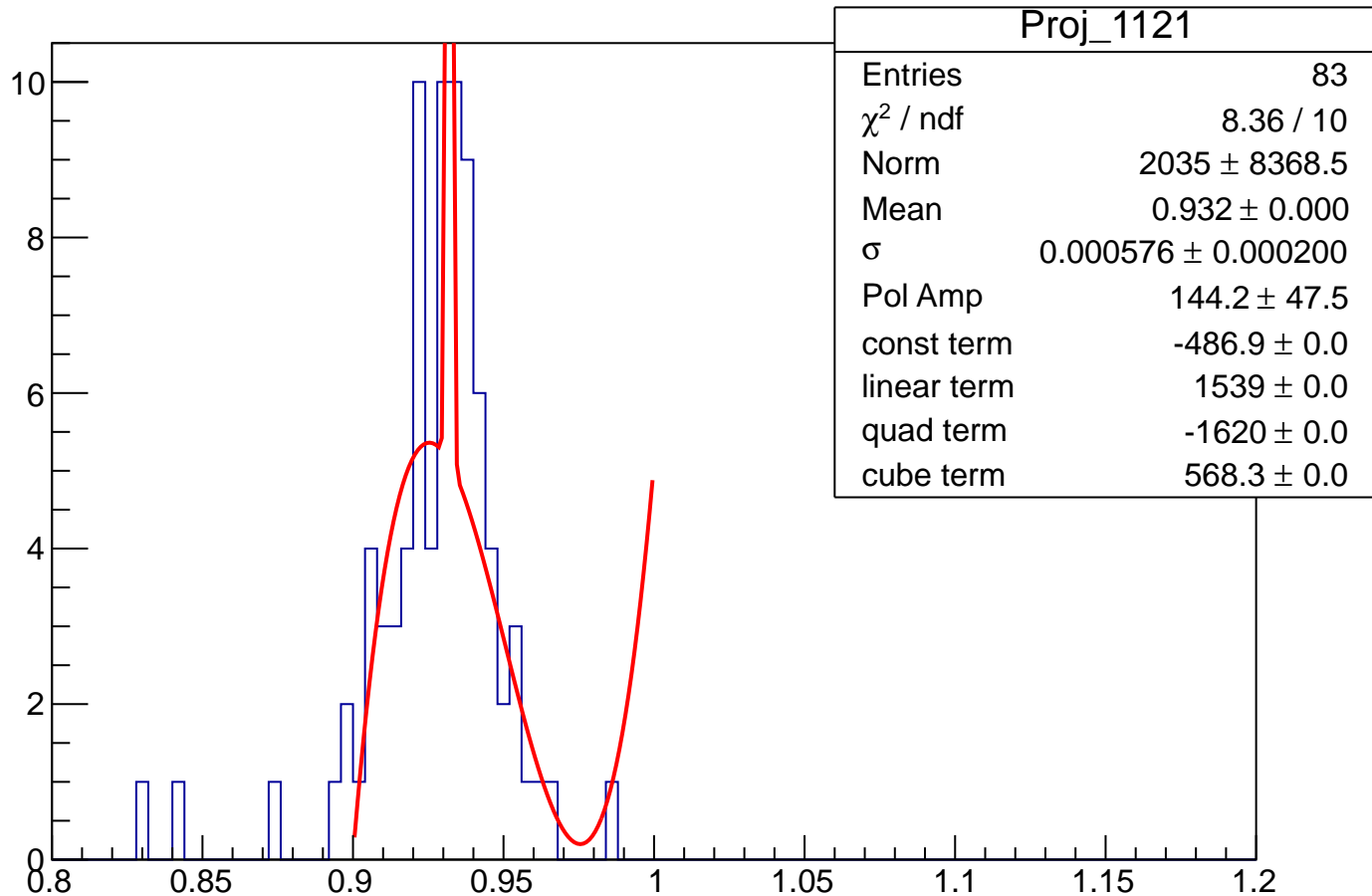
PhiThetaMassPip



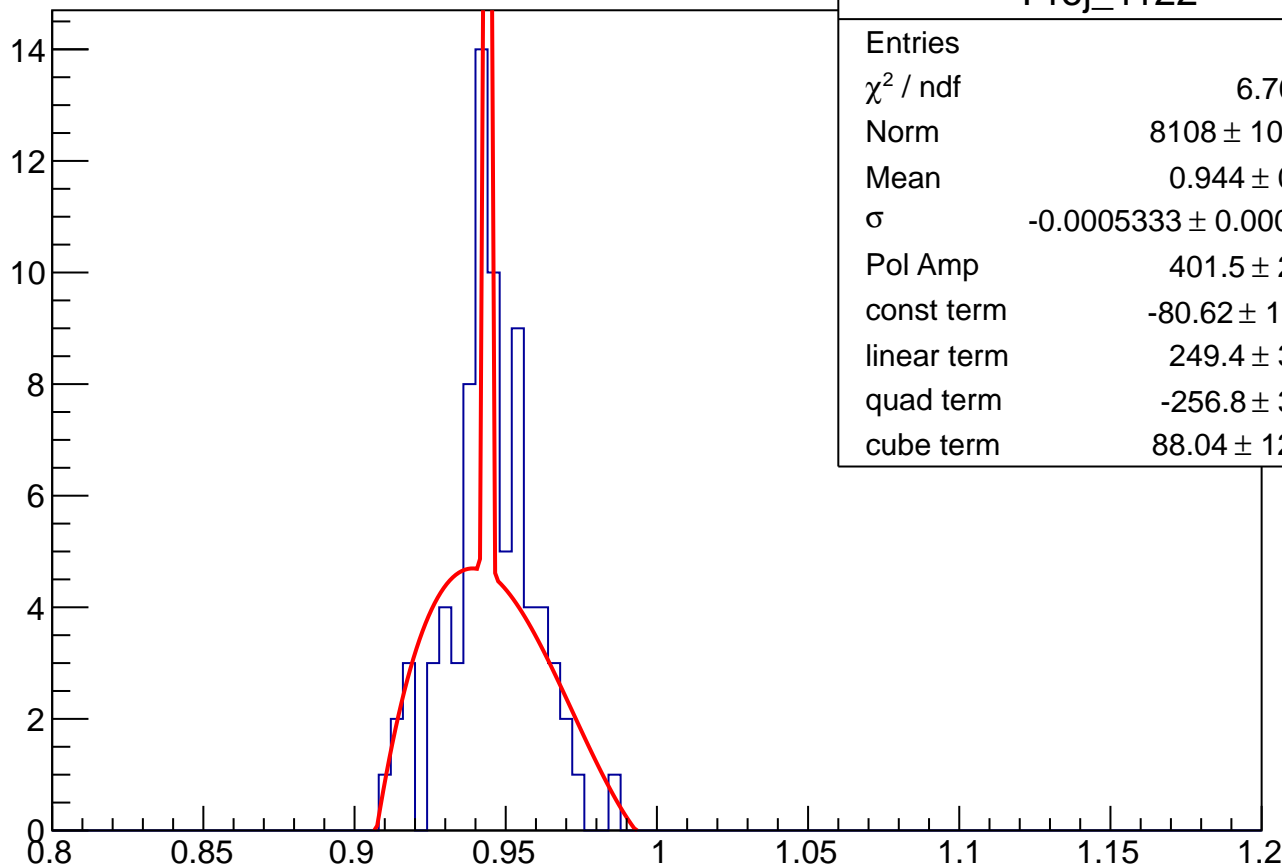
PhiThetaMassPip



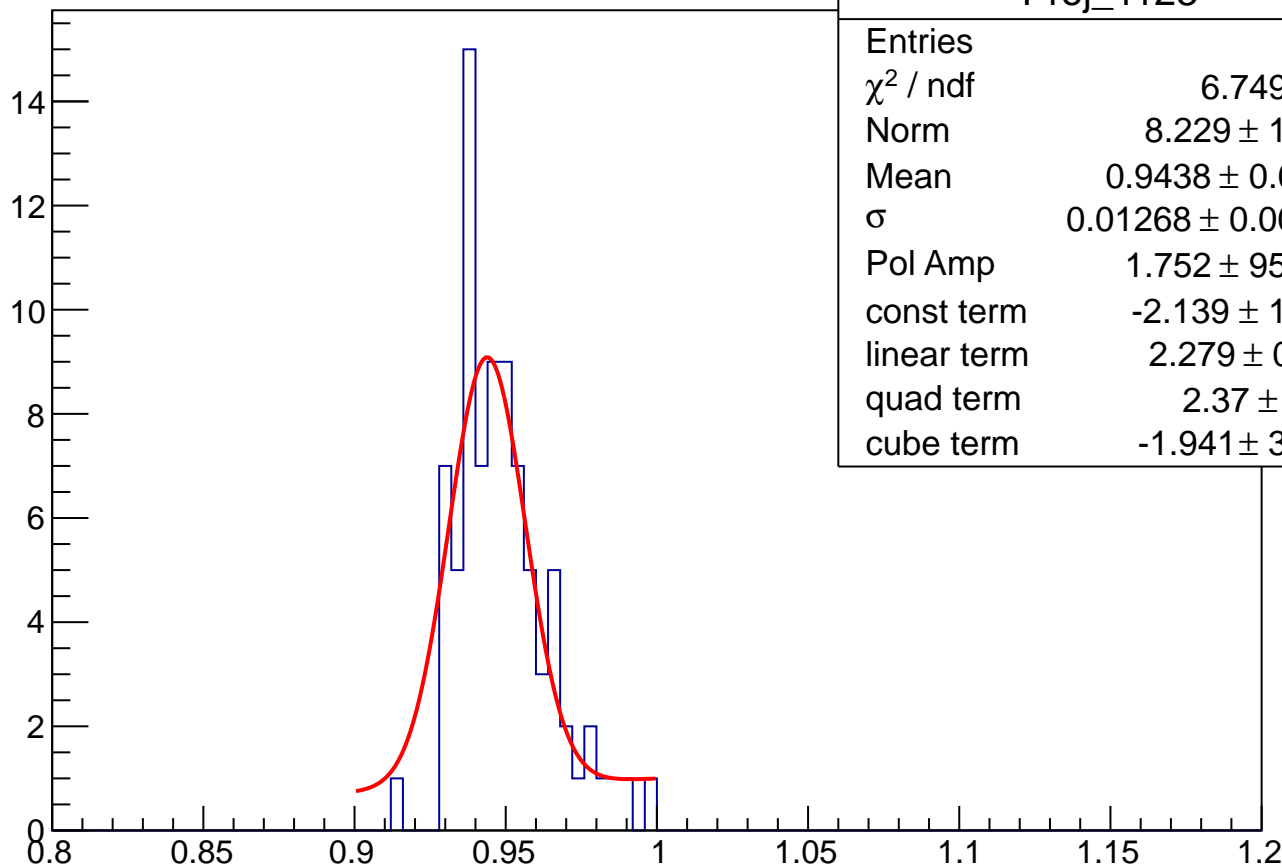
PhiThetaMassPip



PhiThetaMassPip



PhiThetaMassPip



Proj_1123

Entries	82
χ^2 / ndf	6.749 / 10
Norm	8.229 ± 1.413
Mean	0.9438 ± 0.0024
σ	0.01268 ± 0.00249
Pol Amp	1.752 ± 95.703
const term	-2.139 ± 1.065
linear term	2.279 ± 0.501
quad term	2.37 ± 2.13
cube term	-1.941 ± 3.798