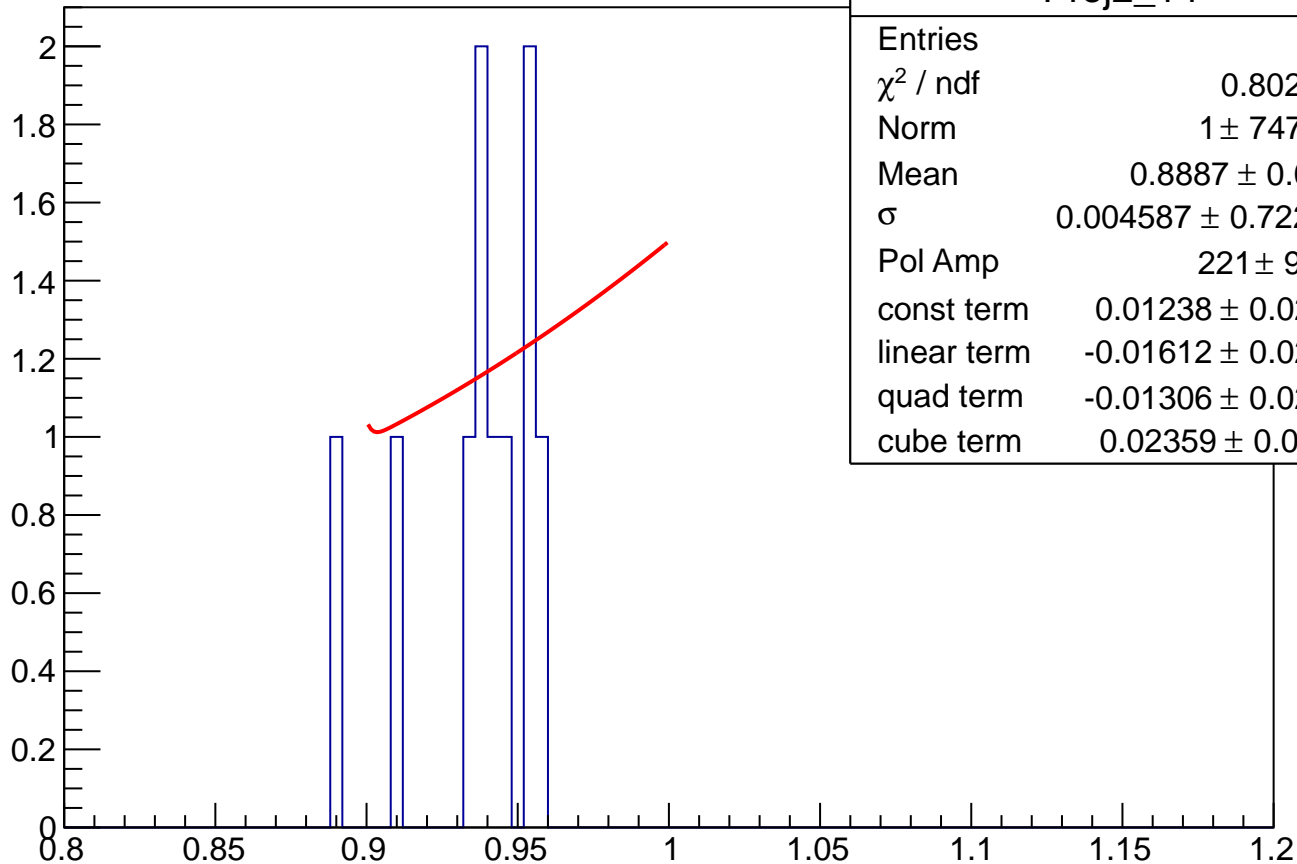


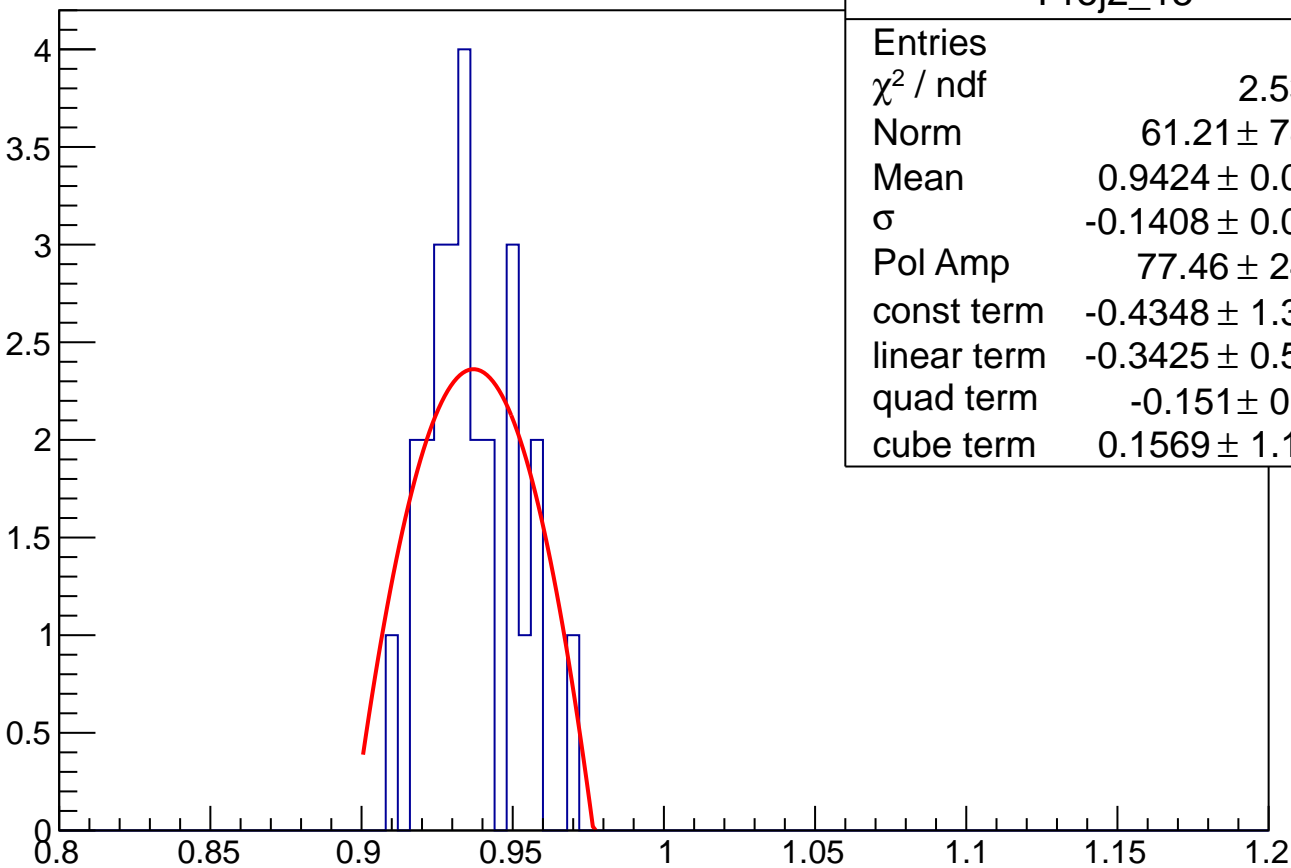
PhiThetaMassPim



Proj2_14

Entries	10
χ^2 / ndf	0.8026 / 0
Norm	1 ± 74742.4
Mean	0.8887 ± 0.0620
σ	0.004587 ± 0.722717
Pol Amp	221 ± 971.5
const term	0.01238 ± 0.02043
linear term	-0.01612 ± 0.02327
quad term	-0.01306 ± 0.02528
cube term	0.02359 ± 0.02641

PhiThetaMassPim

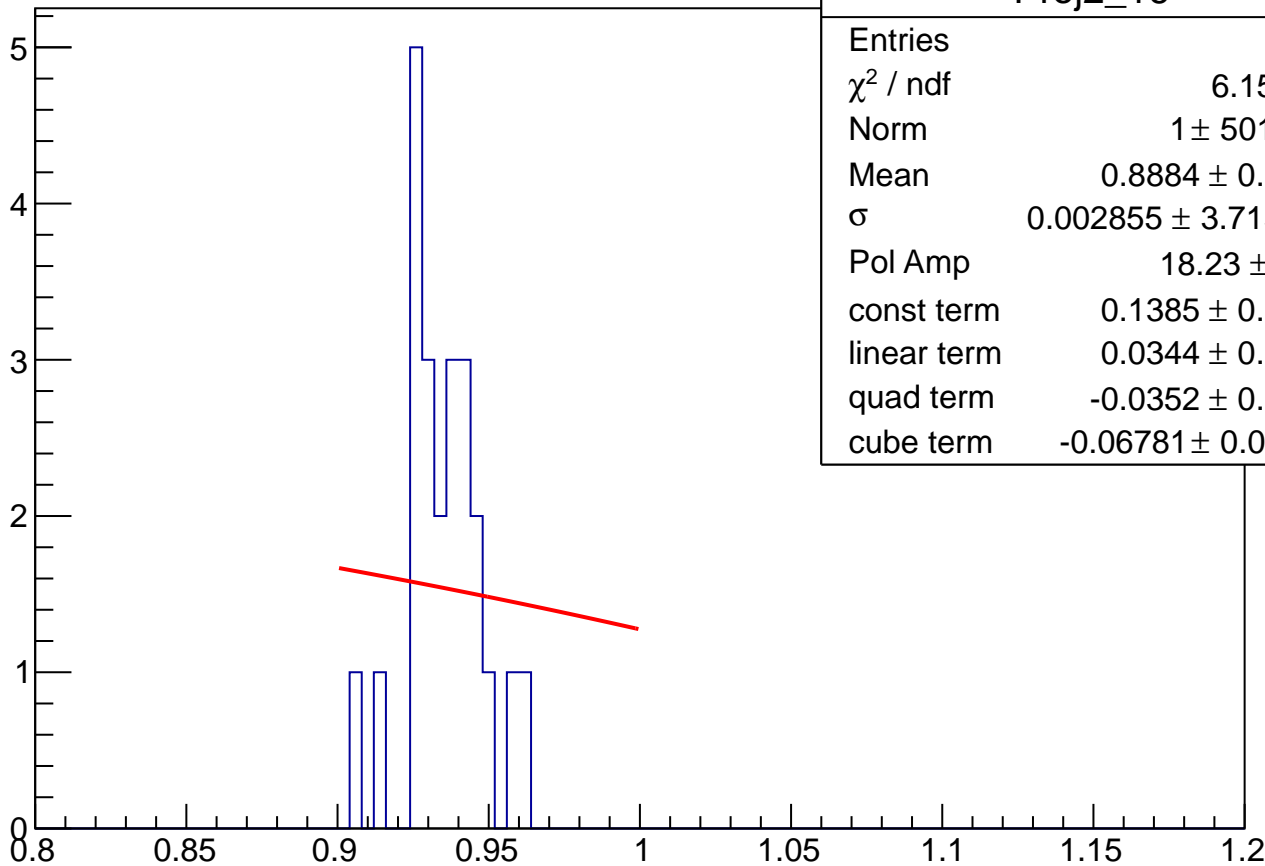


Proj2_15

Entries	26
χ^2 / ndf	2.53 / 4
Norm	61.21 ± 78.06
Mean	0.9424 ± 0.0764
σ	-0.1408 ± 0.0996
Pol Amp	77.46 ± 24.72
const term	-0.4348 ± 1.3687
linear term	-0.3425 ± 0.5894
quad term	-0.151 ± 0.248
cube term	0.1569 ± 1.1212

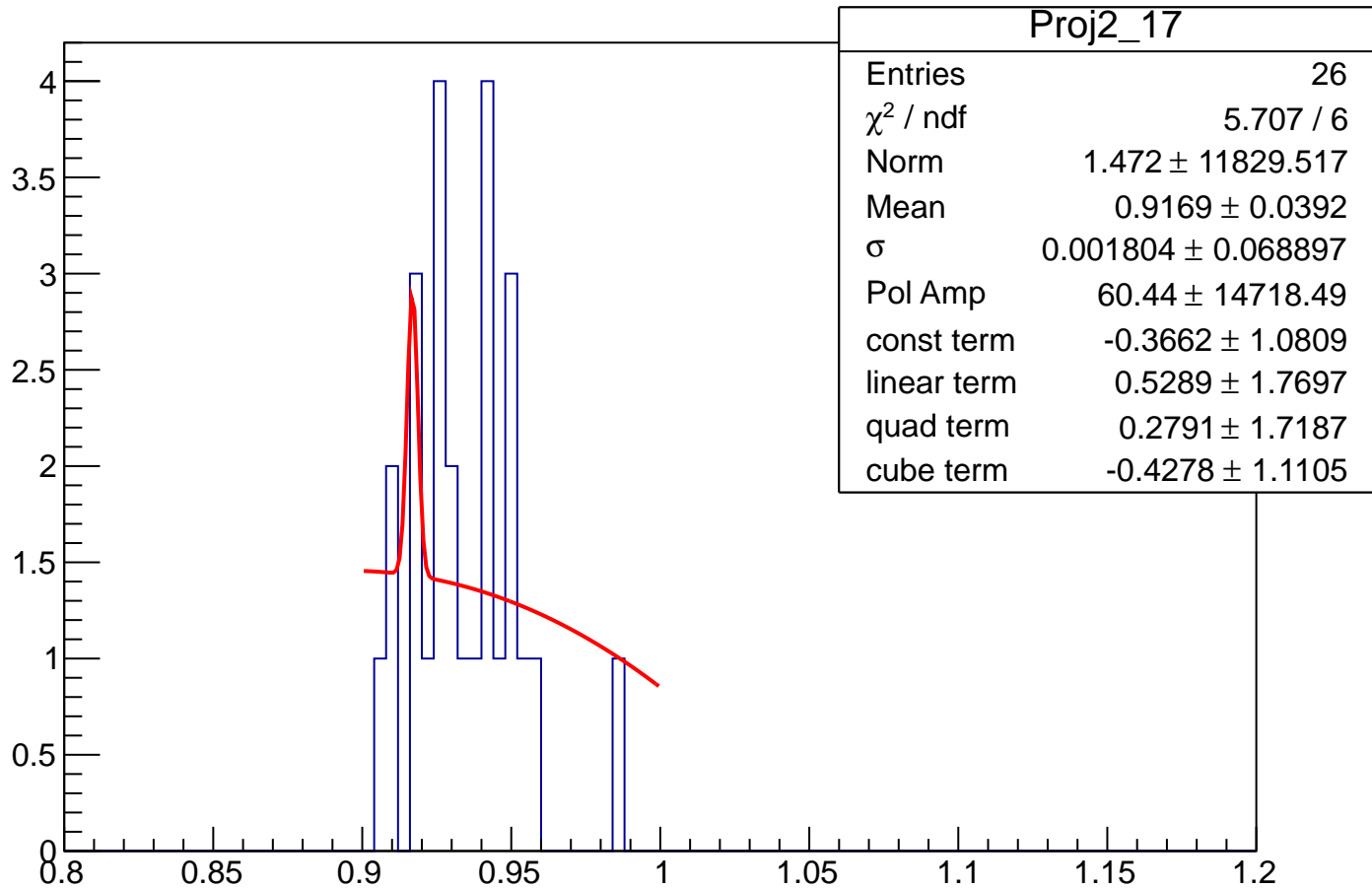
PhiThetaMassPim

Proj2_16



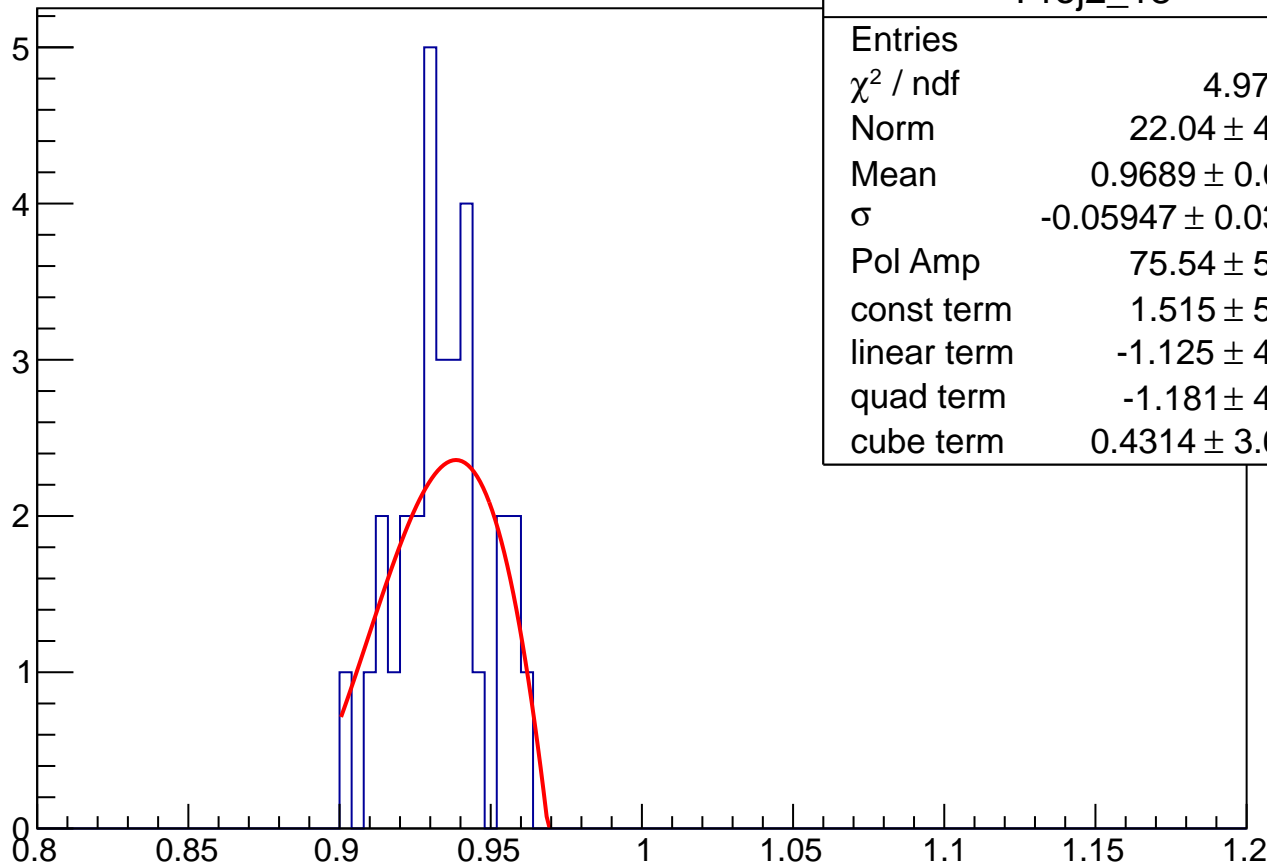
Entries	23
χ^2 / ndf	6.153 / 3
Norm	1 ± 50143.4
Mean	0.8884 ± 0.0535
σ	0.002855 ± 3.715526
Pol Amp	18.23 ± 0.81
const term	0.1385 ± 0.0037
linear term	0.0344 ± 0.0040
quad term	-0.0352 ± 0.0042
cube term	-0.06781 ± 0.00452

PhiThetaMassPim



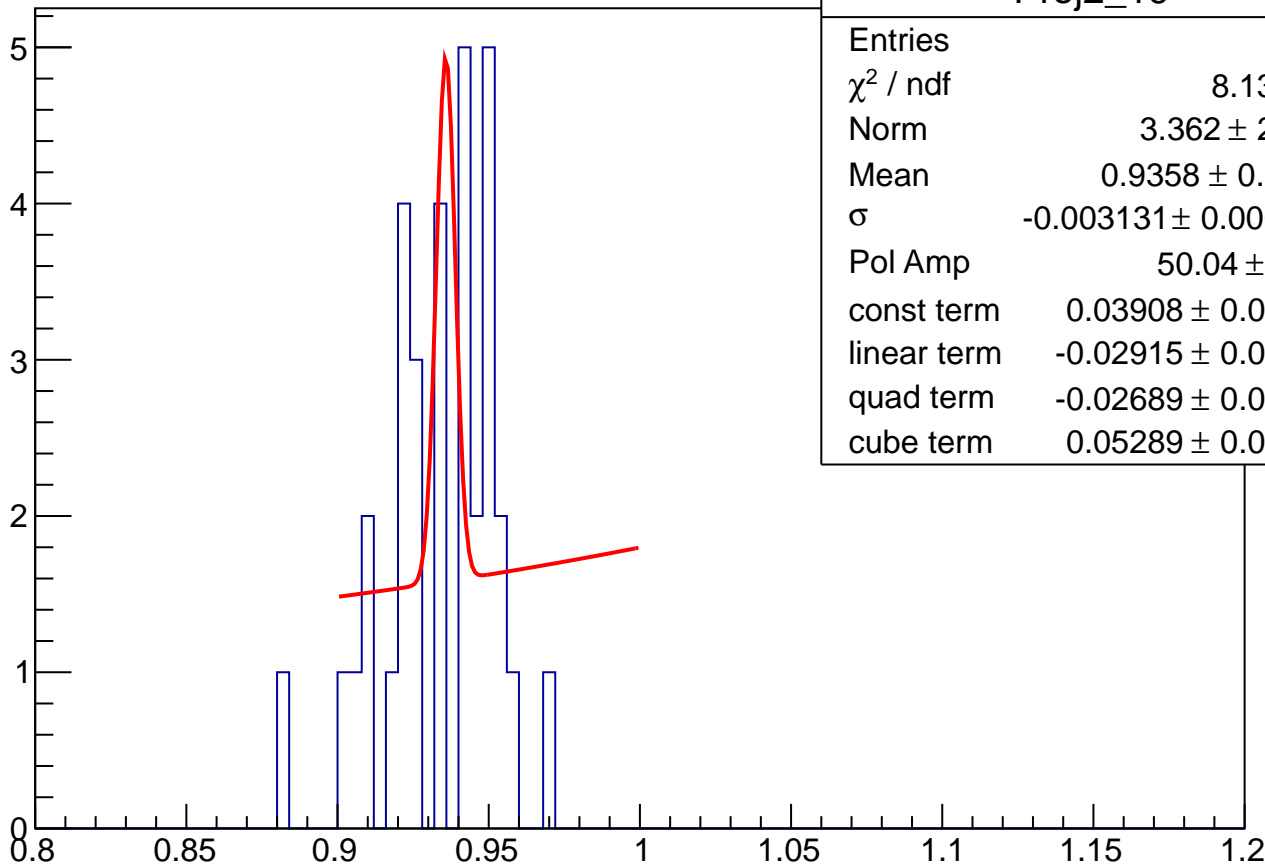
PhiThetaMassPim

Proj2_18

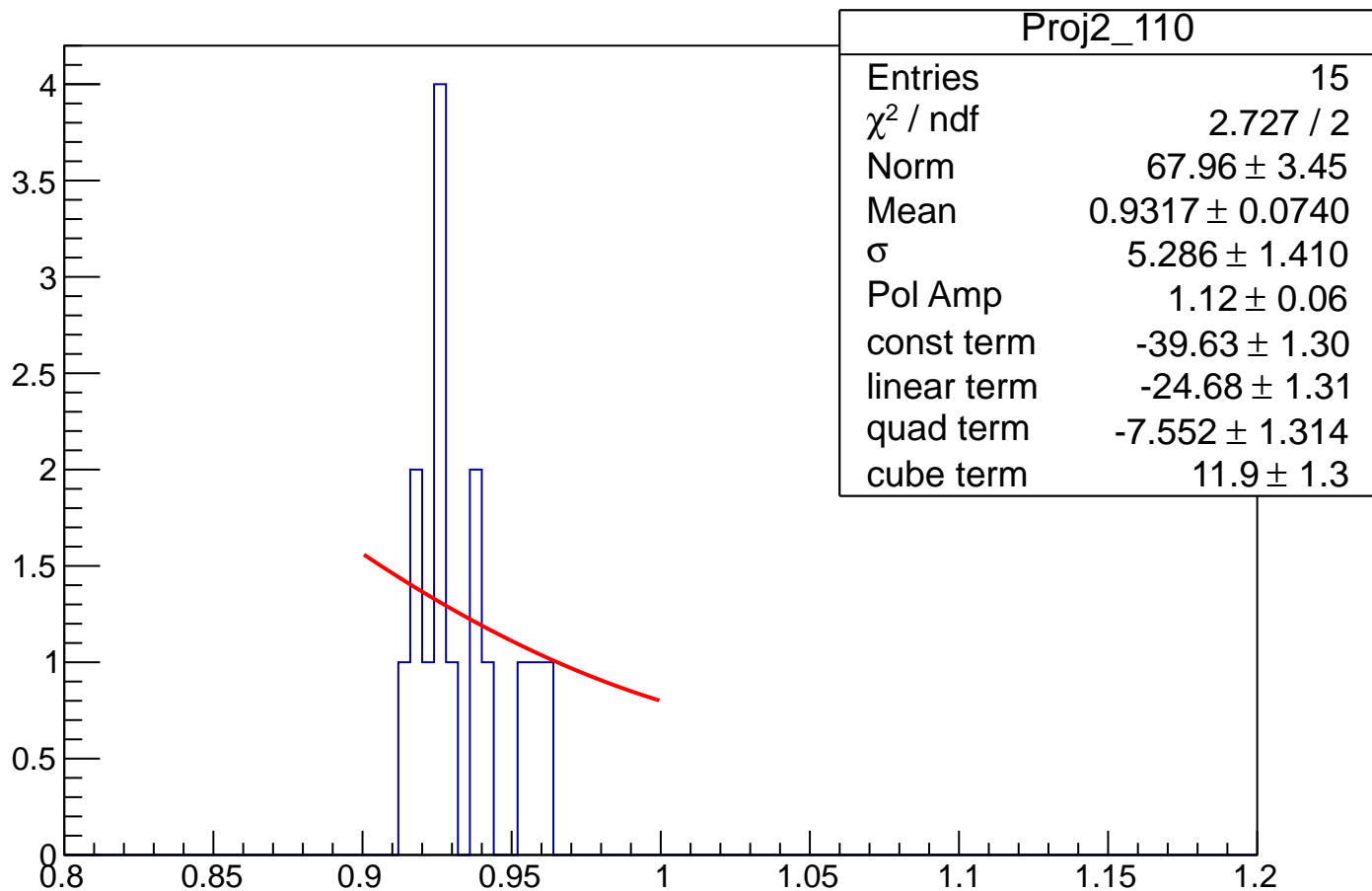


PhiThetaMassPim

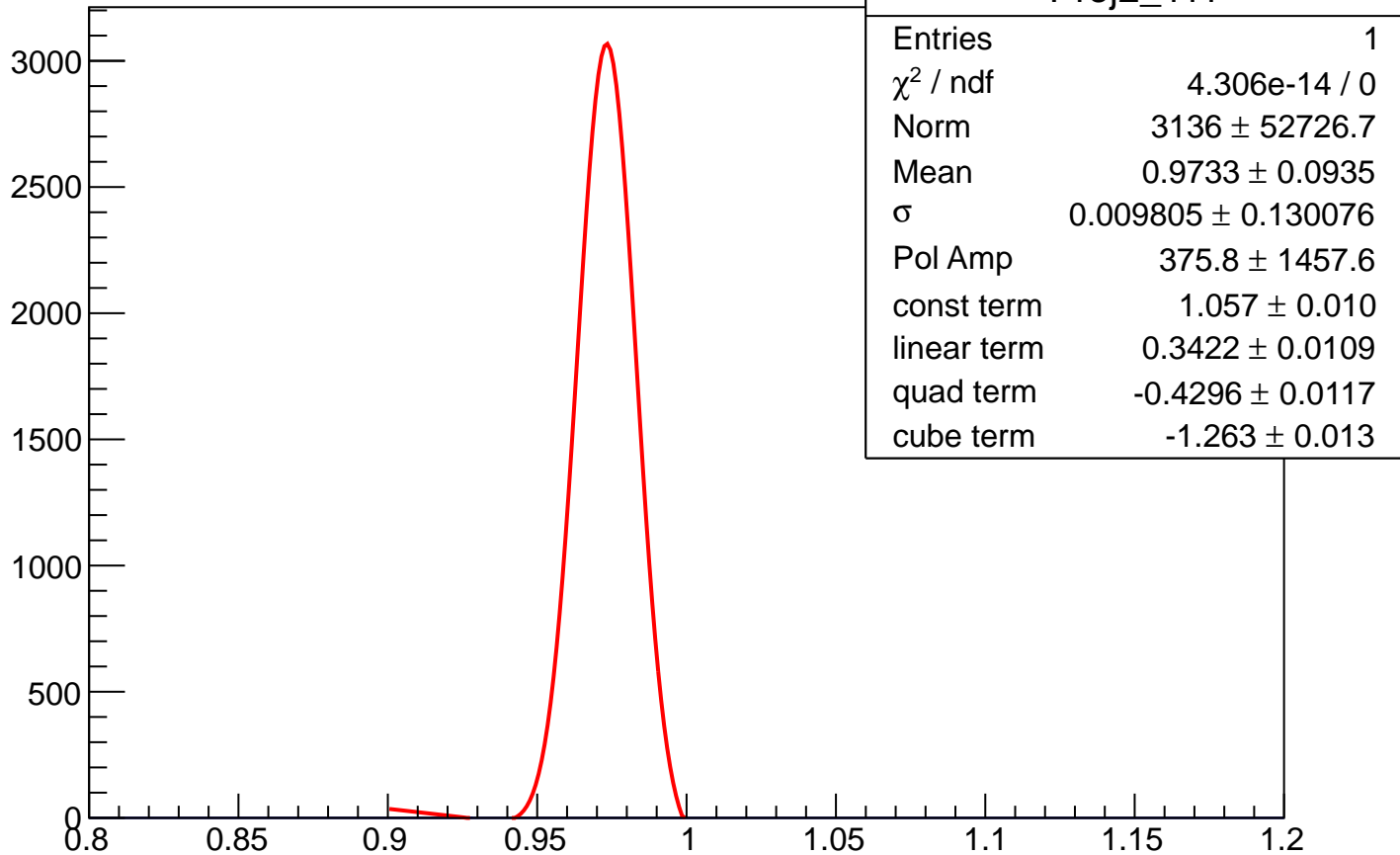
Proj2_19



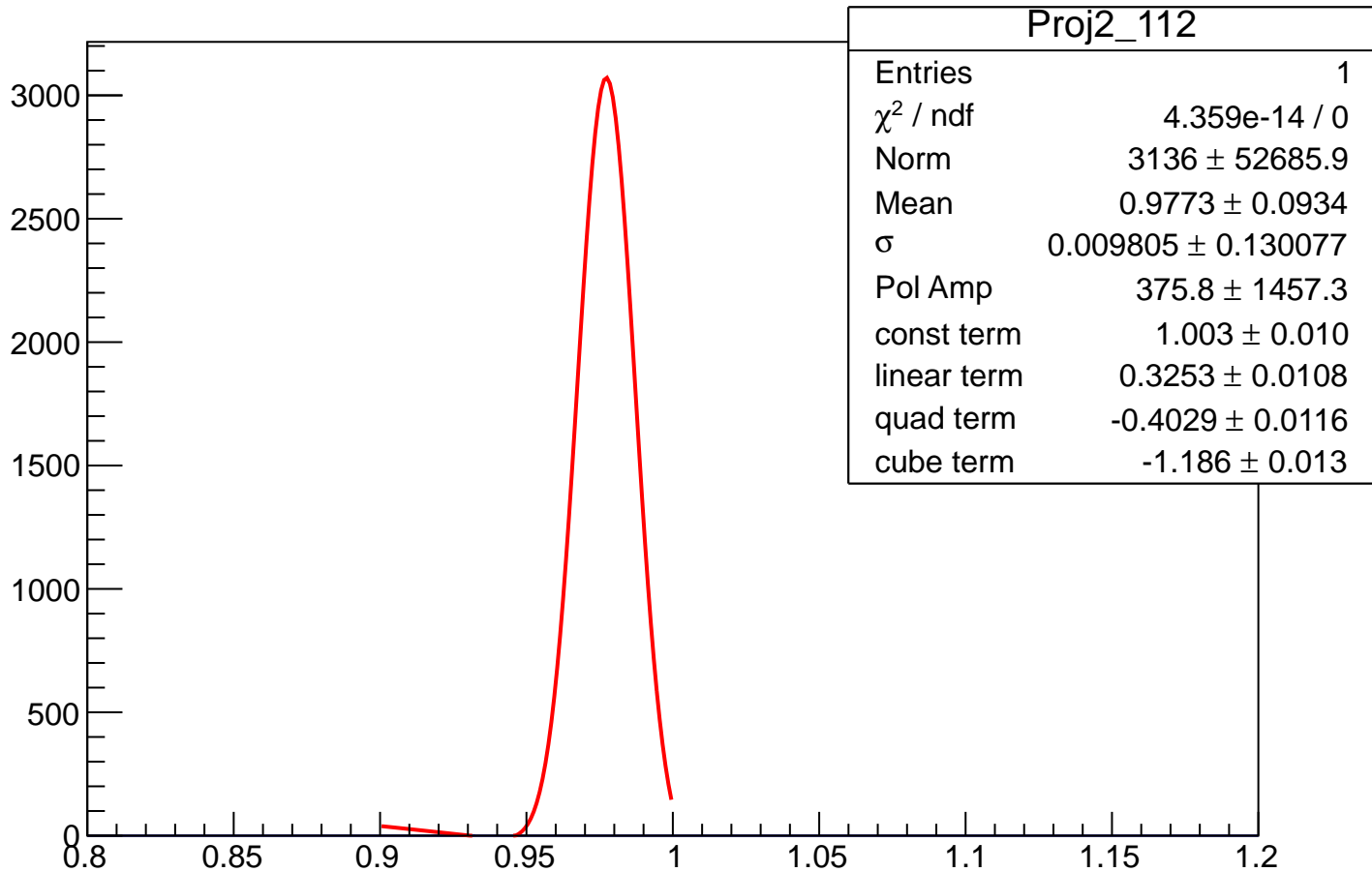
PhiThetaMassPim



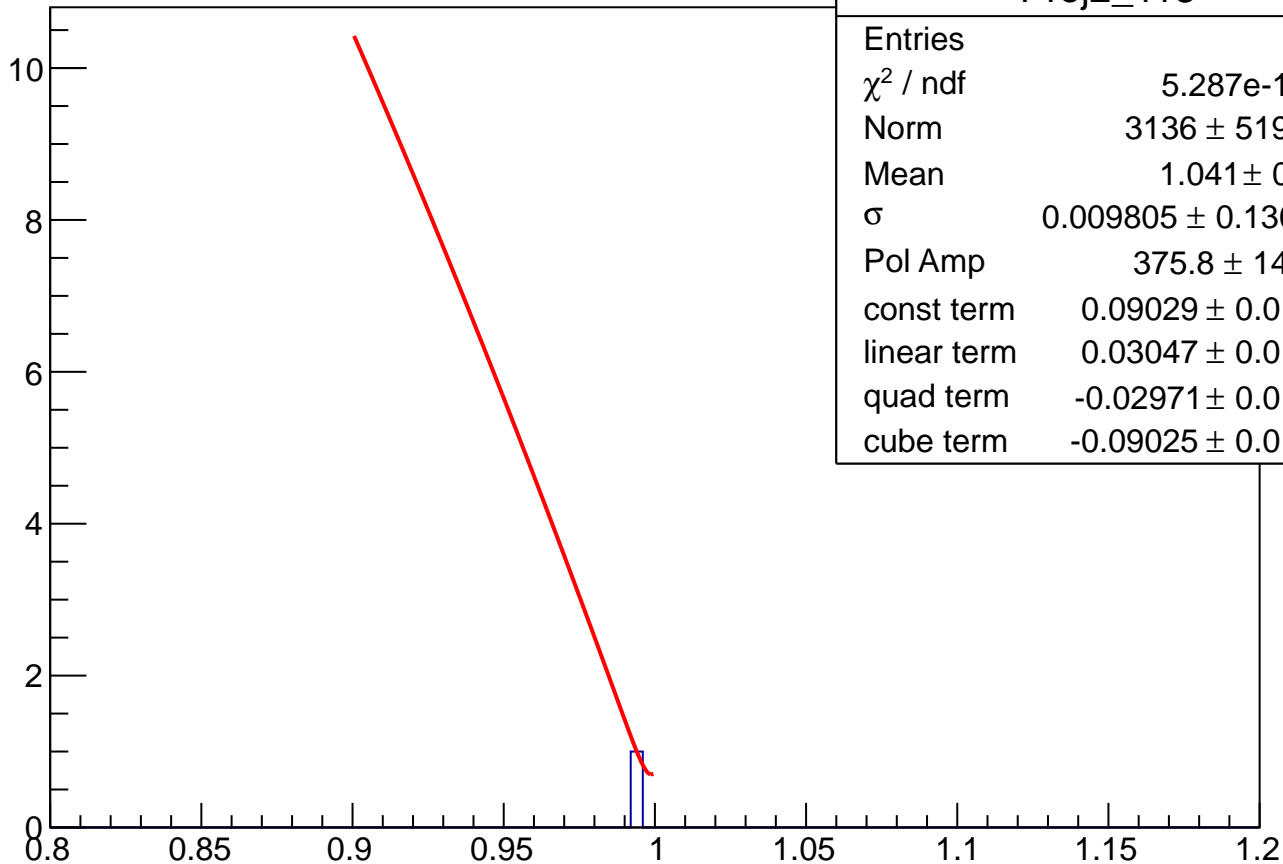
PhiThetaMassPim



PhiThetaMassPim



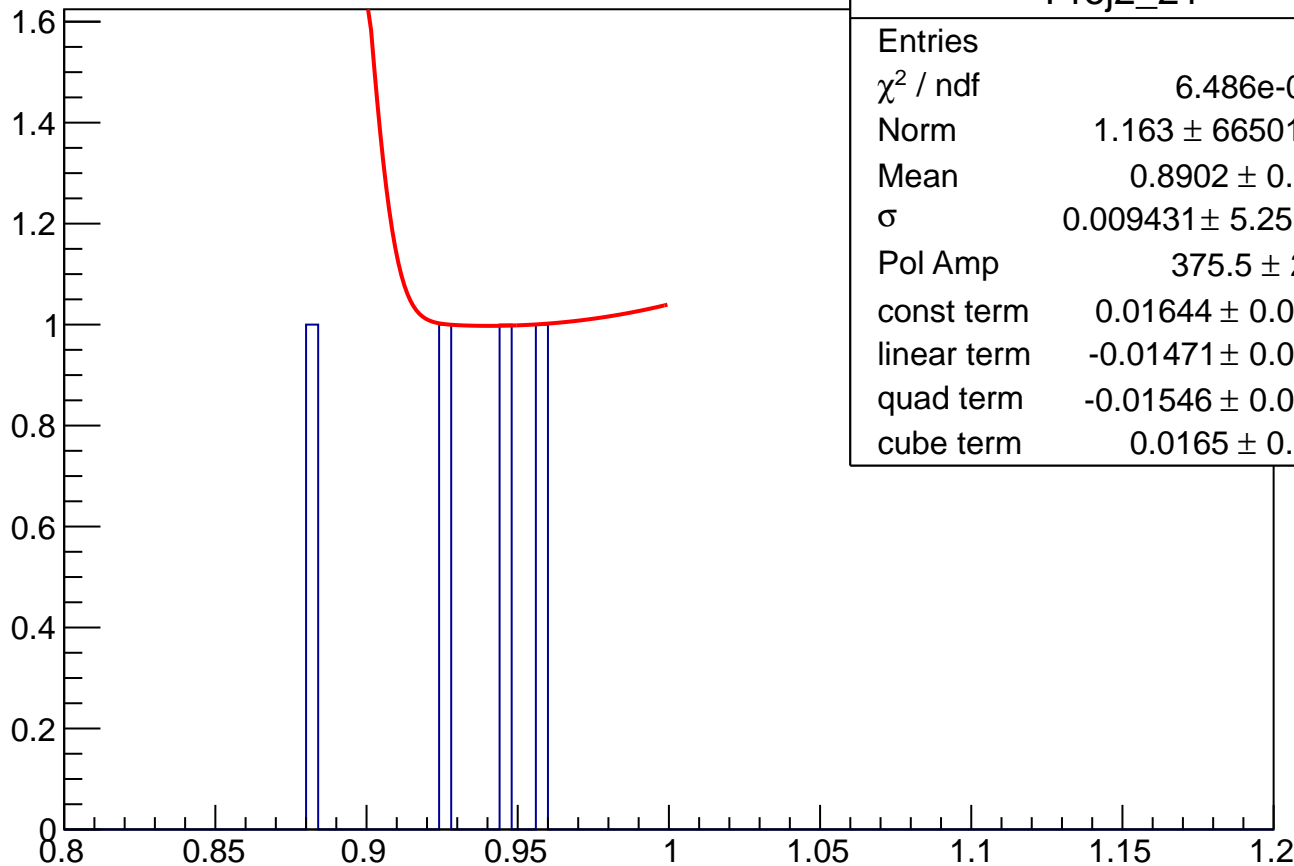
PhiThetaMassPim



Proj2_113

Entries	1
χ^2 / ndf	5.287e-14 / 0
Norm	3136 ± 51996.5
Mean	1.041 ± 0.092
σ	0.009805 ± 0.130099
Pol Amp	375.8 ± 1452.0
const term	0.09029 ± 0.01002
linear term	0.03047 ± 0.01008
quad term	-0.02971 ± 0.01014
cube term	-0.09025 ± 0.01020

PhiThetaMassPim

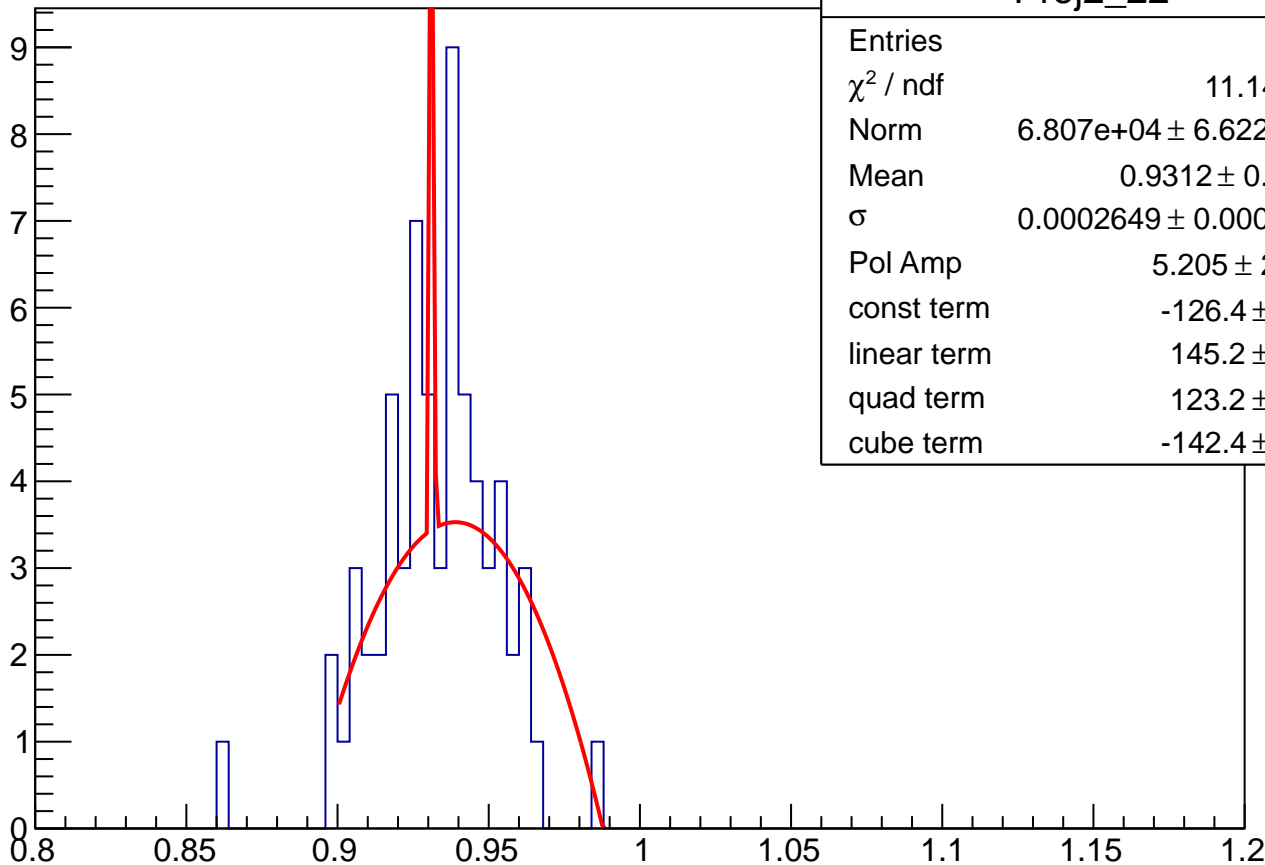


Proj2_21

Entries	4
χ^2 / ndf	6.486e-06 / 0
Norm	1.163 ± 66501.523
Mean	0.8902 ± 0.0539
σ	0.009431 ± 5.258278
Pol Amp	375.5 ± 216.1
const term	0.01644 ± 0.00153
linear term	-0.01471 ± 0.00162
quad term	-0.01546 ± 0.00172
cube term	0.0165 ± 0.0018

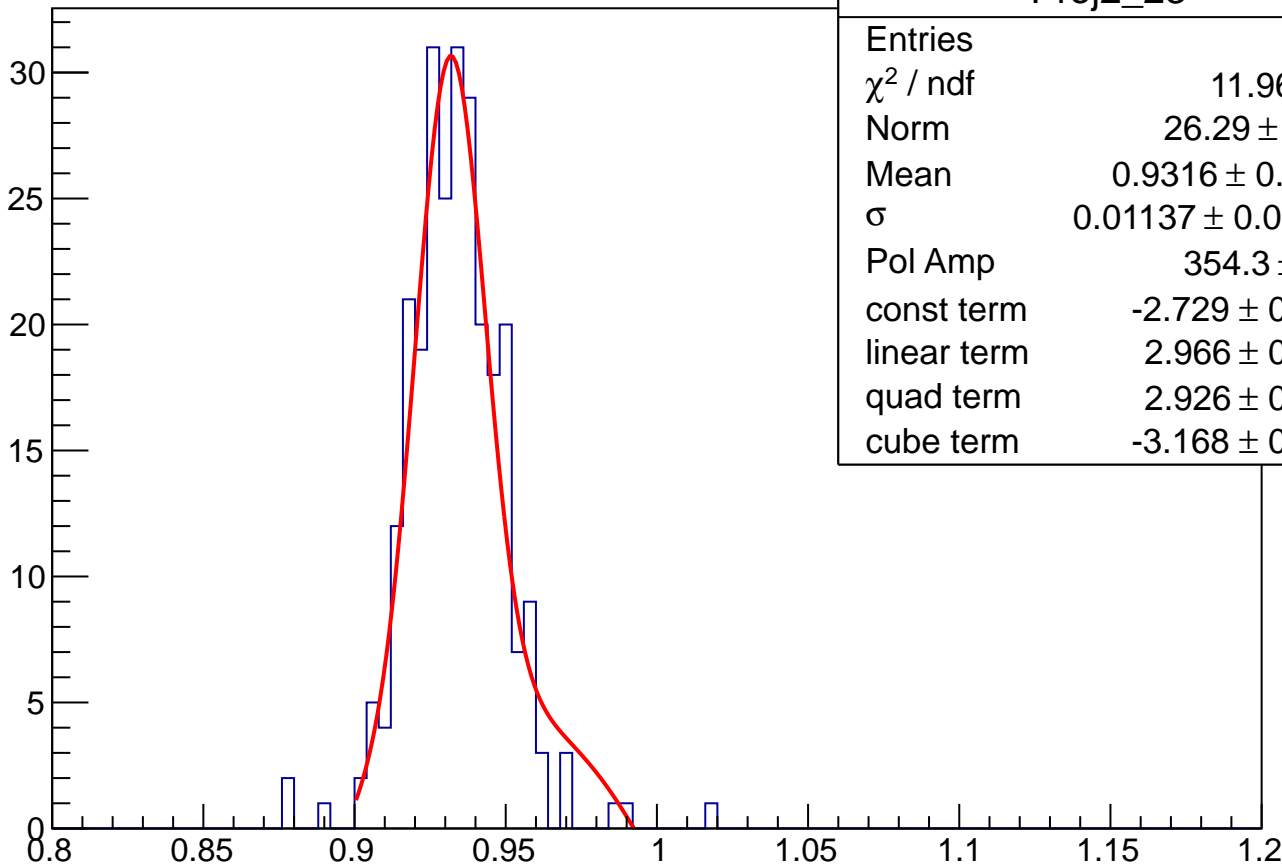
PhiThetaMassPim

Proj2_22

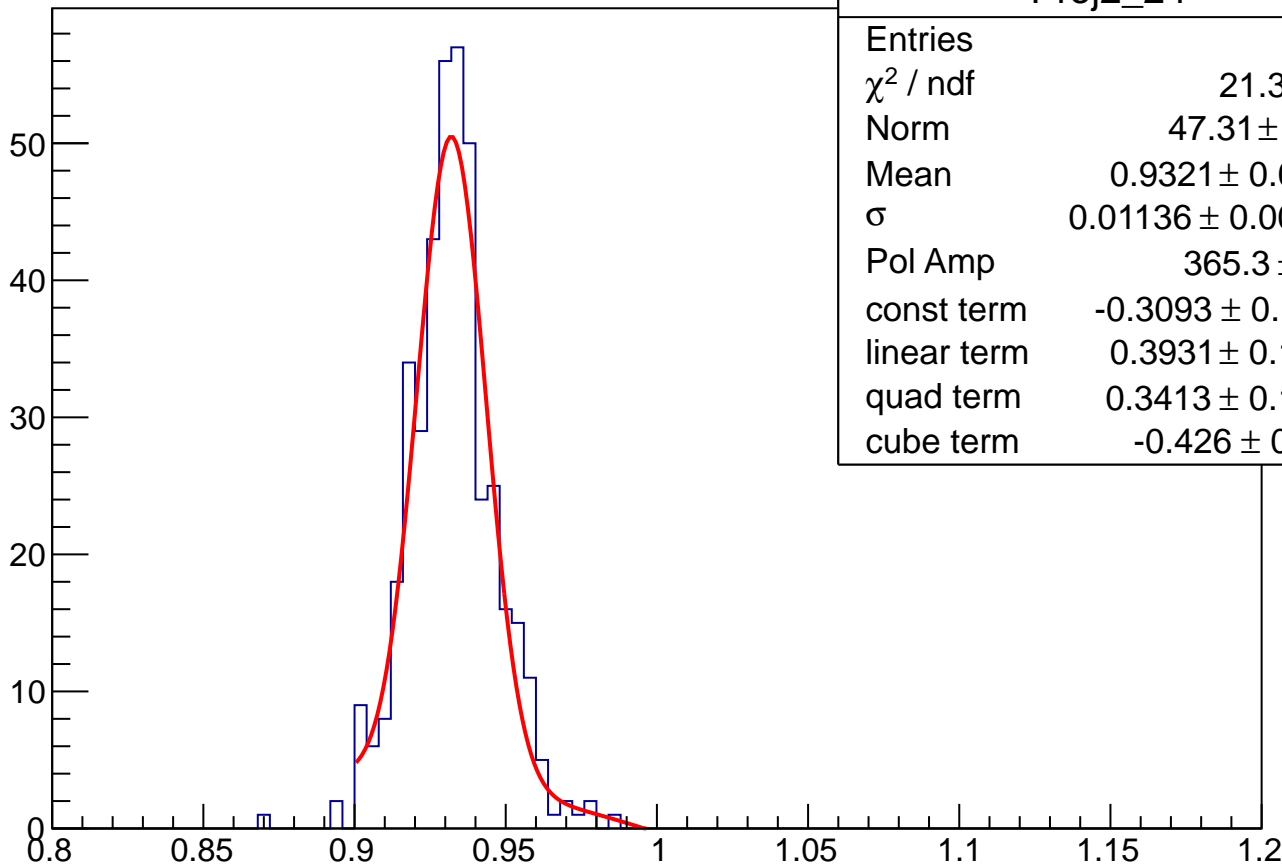


Entries	66
χ^2 / ndf	11.14 / 10
Norm	$6.807\text{e}+04 \pm 6.622\text{e}+04$
Mean	0.9312 ± 0.0008
σ	0.0002649 ± 0.0001796
Pol Amp	5.205 ± 2.084
const term	-126.4 ± 75.6
linear term	145.2 ± 86.0
quad term	123.2 ± 73.4
cube term	-142.4 ± 84.0

PhiThetaMassPim



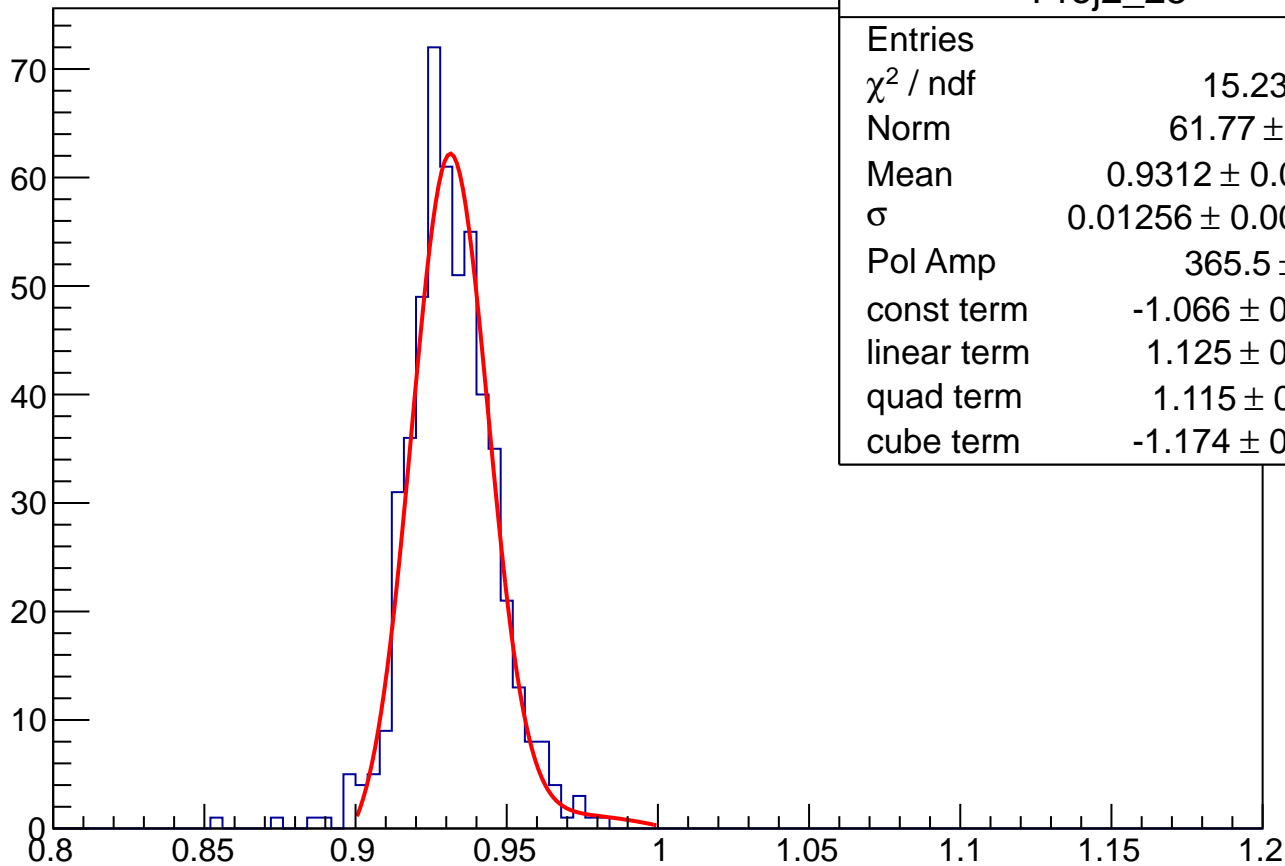
PhiThetaMassPim



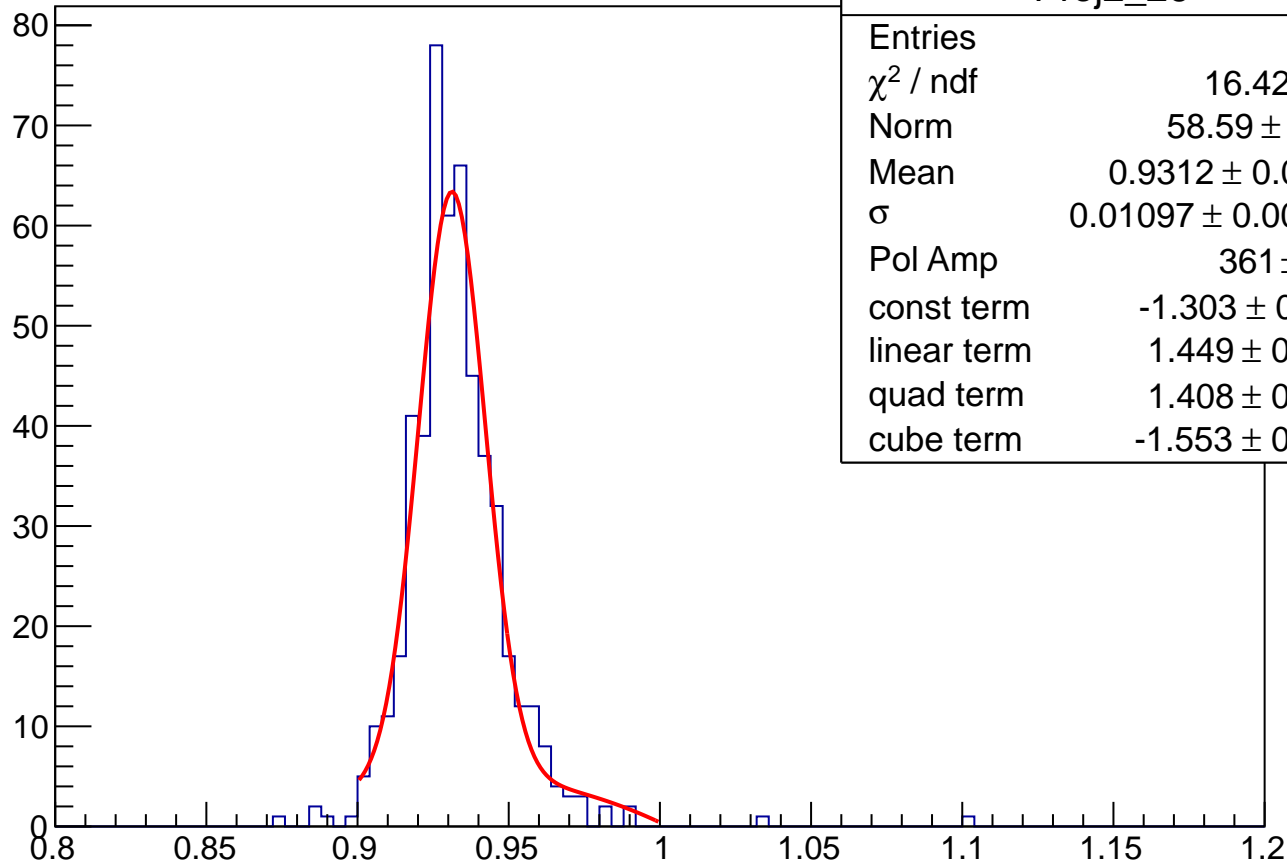
Proj2_24

Entries	416
χ^2 / ndf	21.3 / 13
Norm	47.31 ± 3.58
Mean	0.9321 ± 0.0008
σ	0.01136 ± 0.00104
Pol Amp	365.3 ± 1.0
const term	-0.3093 ± 0.1105
linear term	0.3931 ± 0.1055
quad term	0.3413 ± 0.1058
cube term	-0.426 ± 0.110

PhiThetaMassPim



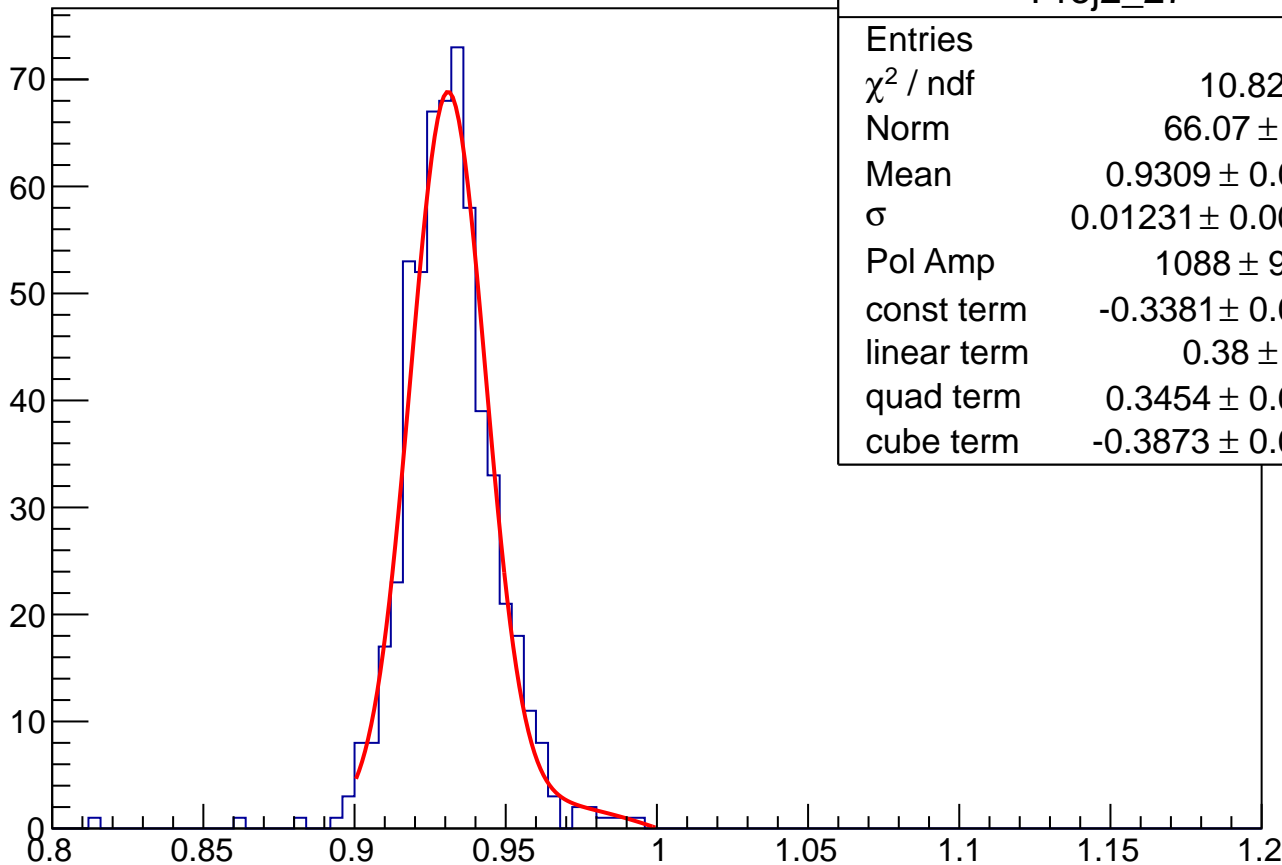
PhiThetaMassPim



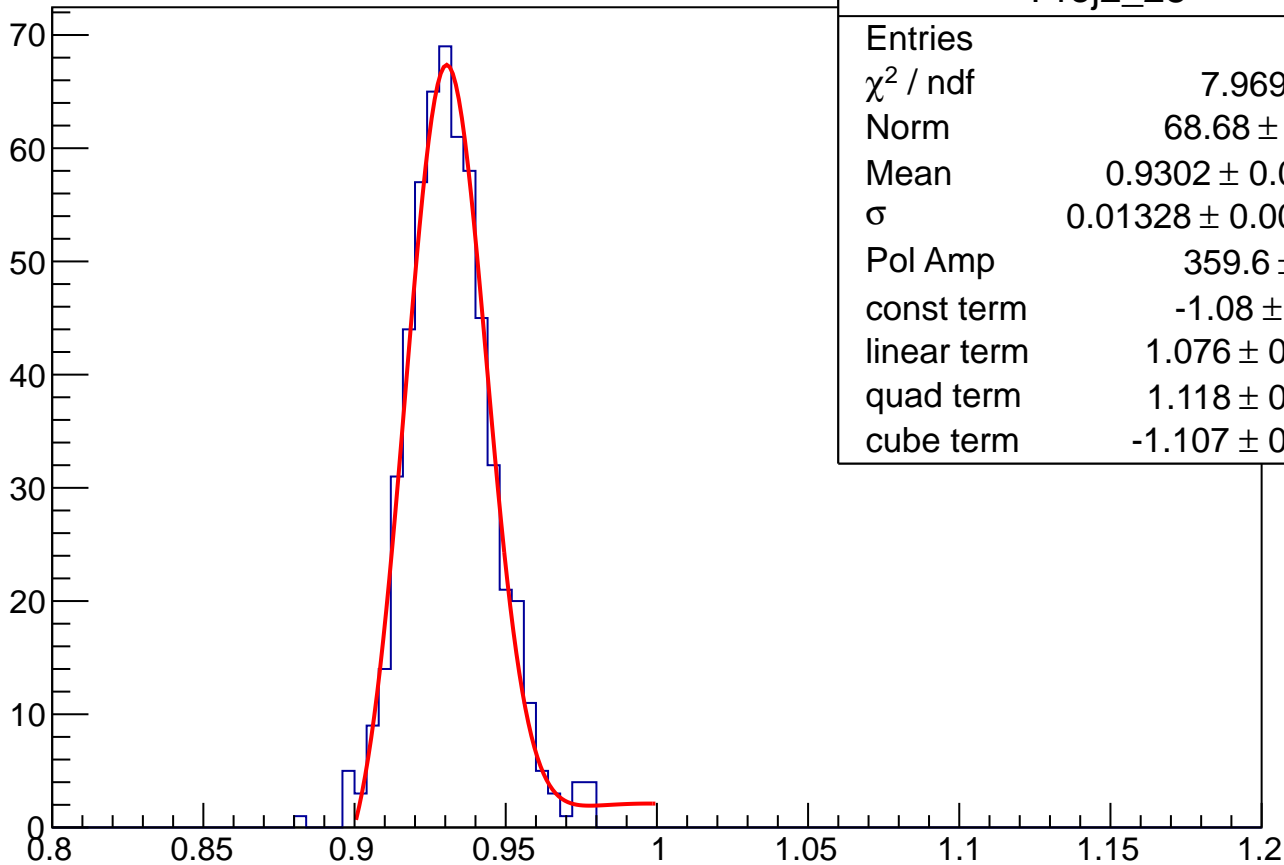
Proj2_26

Entries	512
χ^2 / ndf	16.42 / 13
Norm	58.59 ± 4.15
Mean	0.9312 ± 0.0007
σ	0.01097 ± 0.00082
Pol Amp	361 ± 1.0
const term	-1.303 ± 0.271
linear term	1.449 ± 0.270
quad term	1.408 ± 0.276
cube term	-1.553 ± 0.278

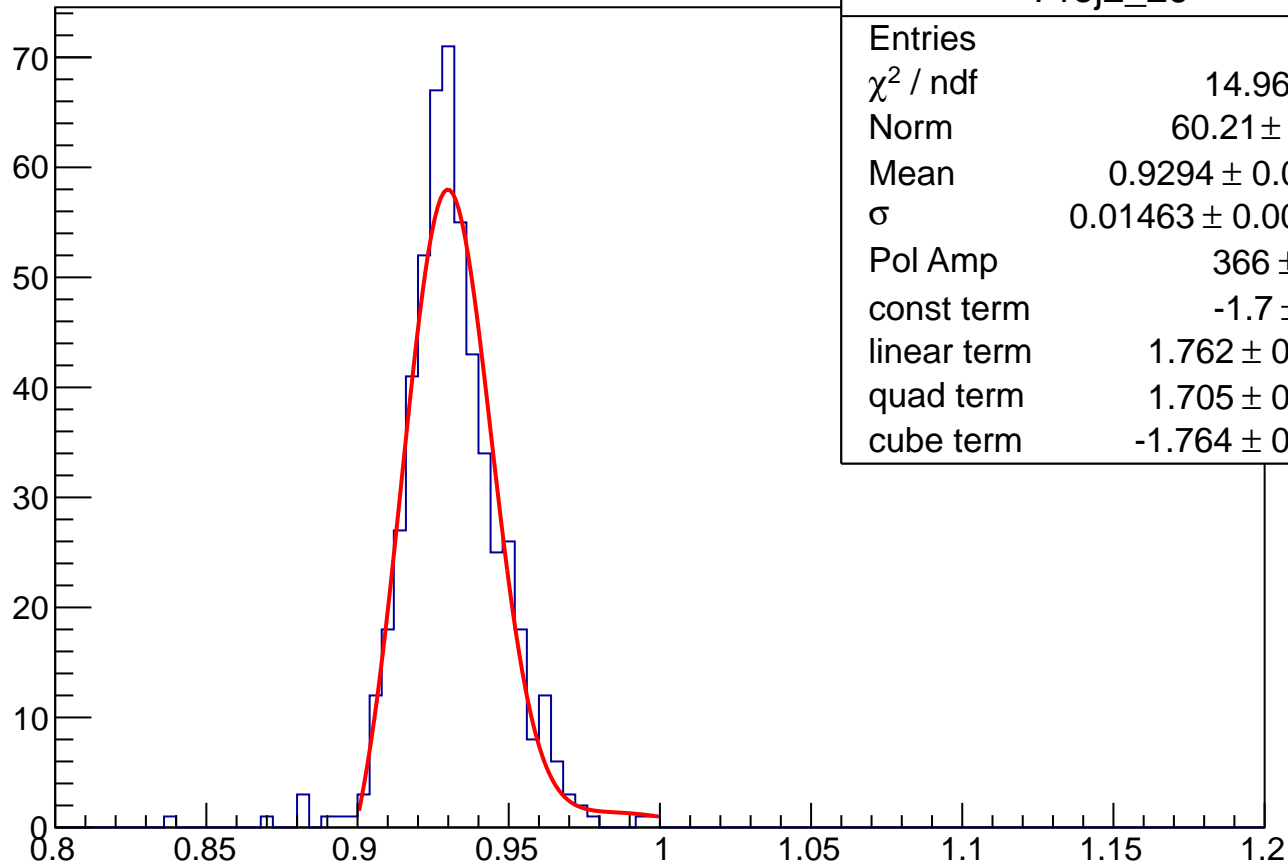
PhiThetaMassPim



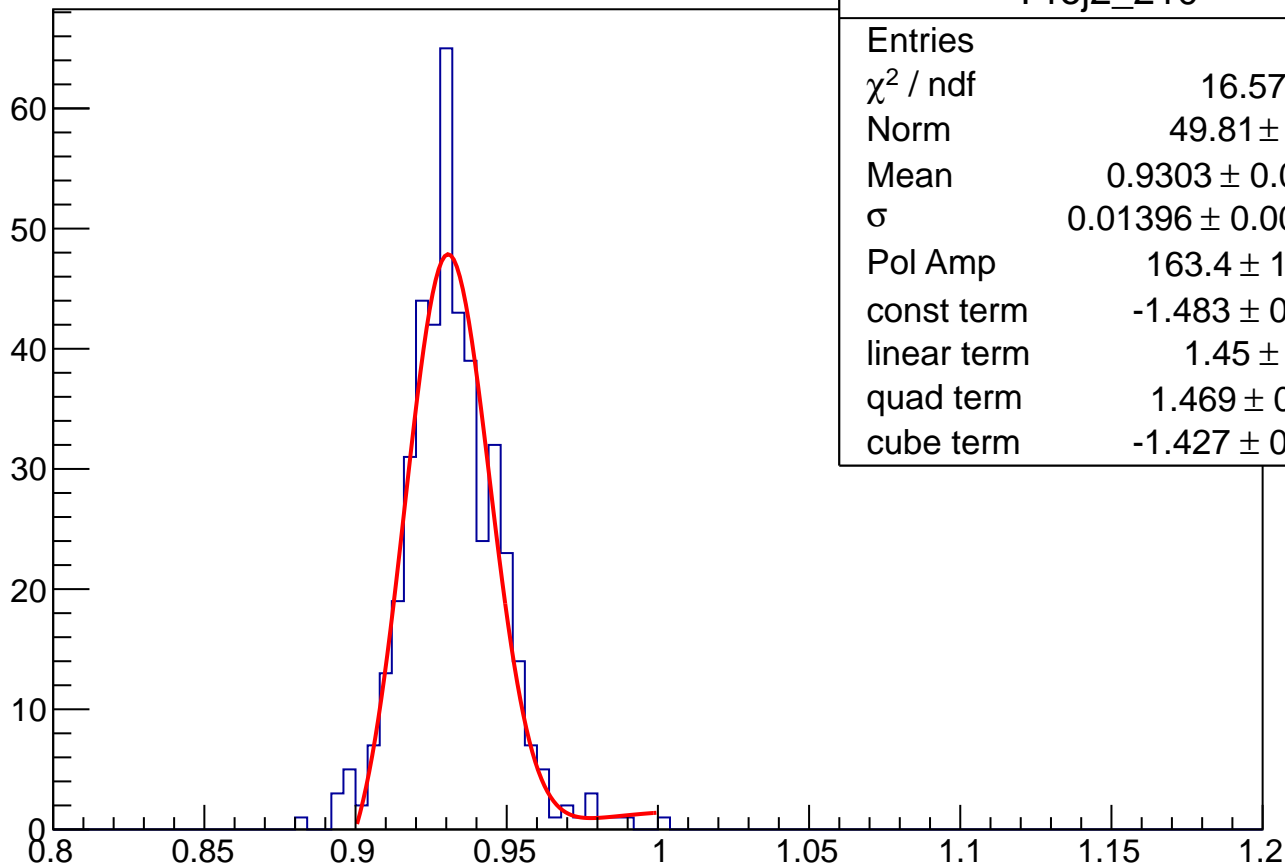
PhiThetaMassPim



PhiThetaMassPim



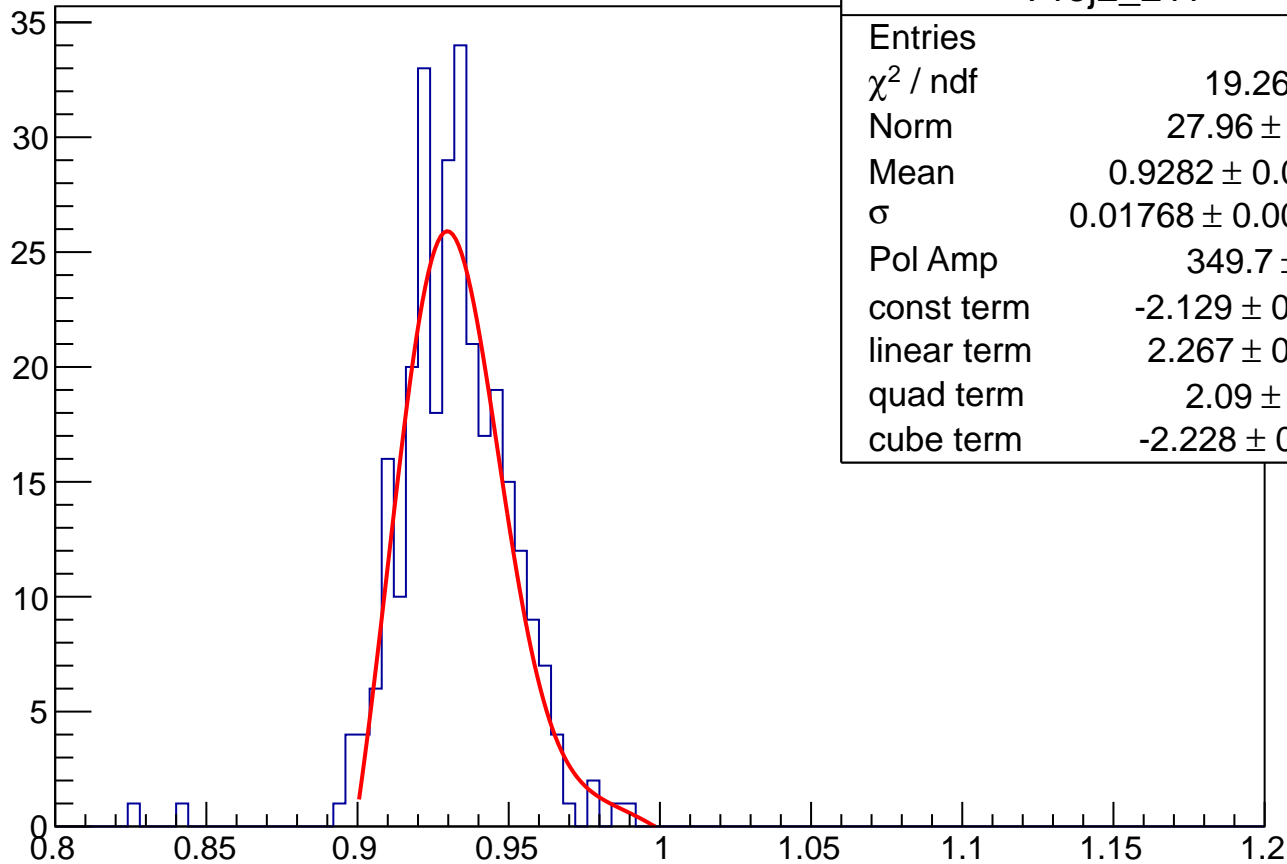
PhiThetaMassPim



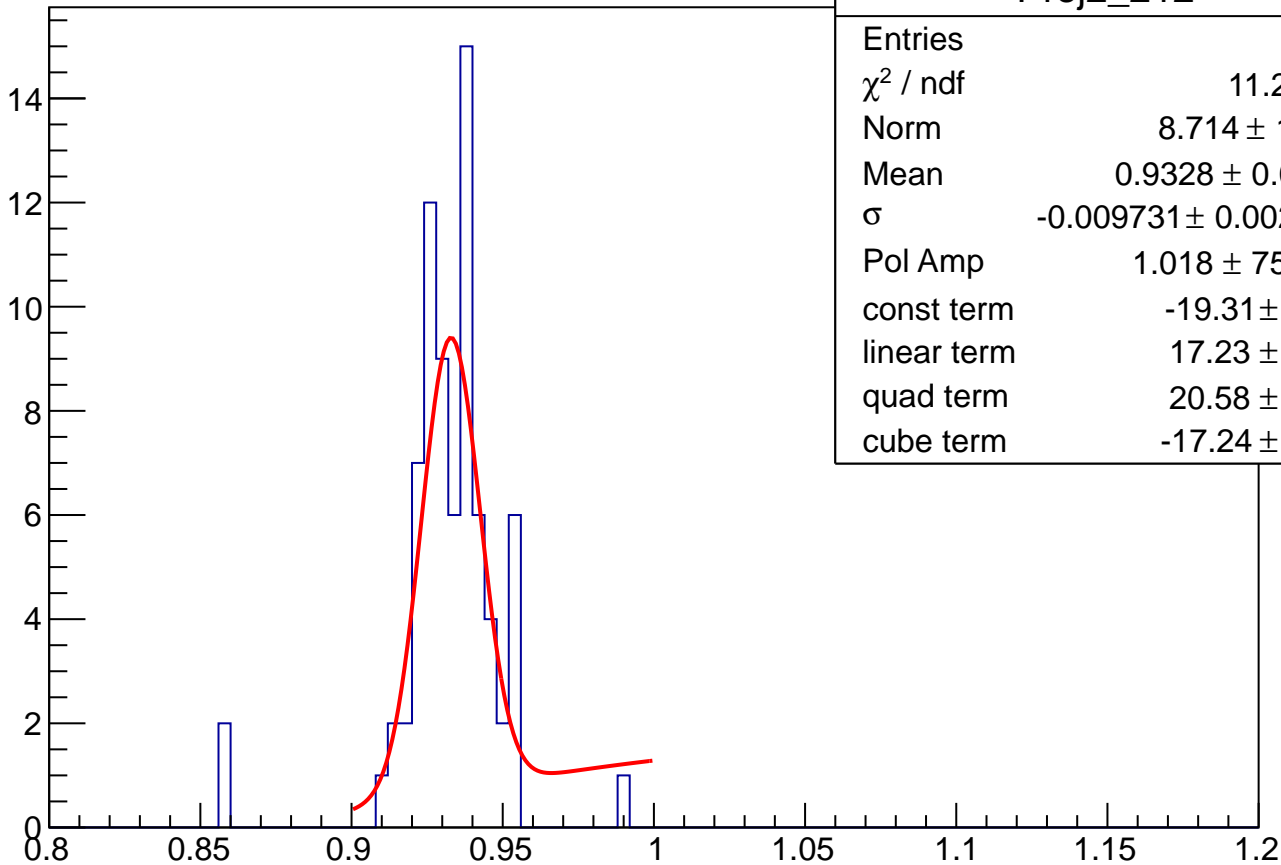
Proj2_210

Entries	430
χ^2 / ndf	16.57 / 15
Norm	49.81 ± 3.07
Mean	0.9303 ± 0.0010
σ	0.01396 ± 0.00102
Pol Amp	163.4 ± 103.9
const term	-1.483 ± 0.029
linear term	1.45 ± 0.03
quad term	1.469 ± 0.031
cube term	-1.427 ± 0.032

PhiThetaMassPim



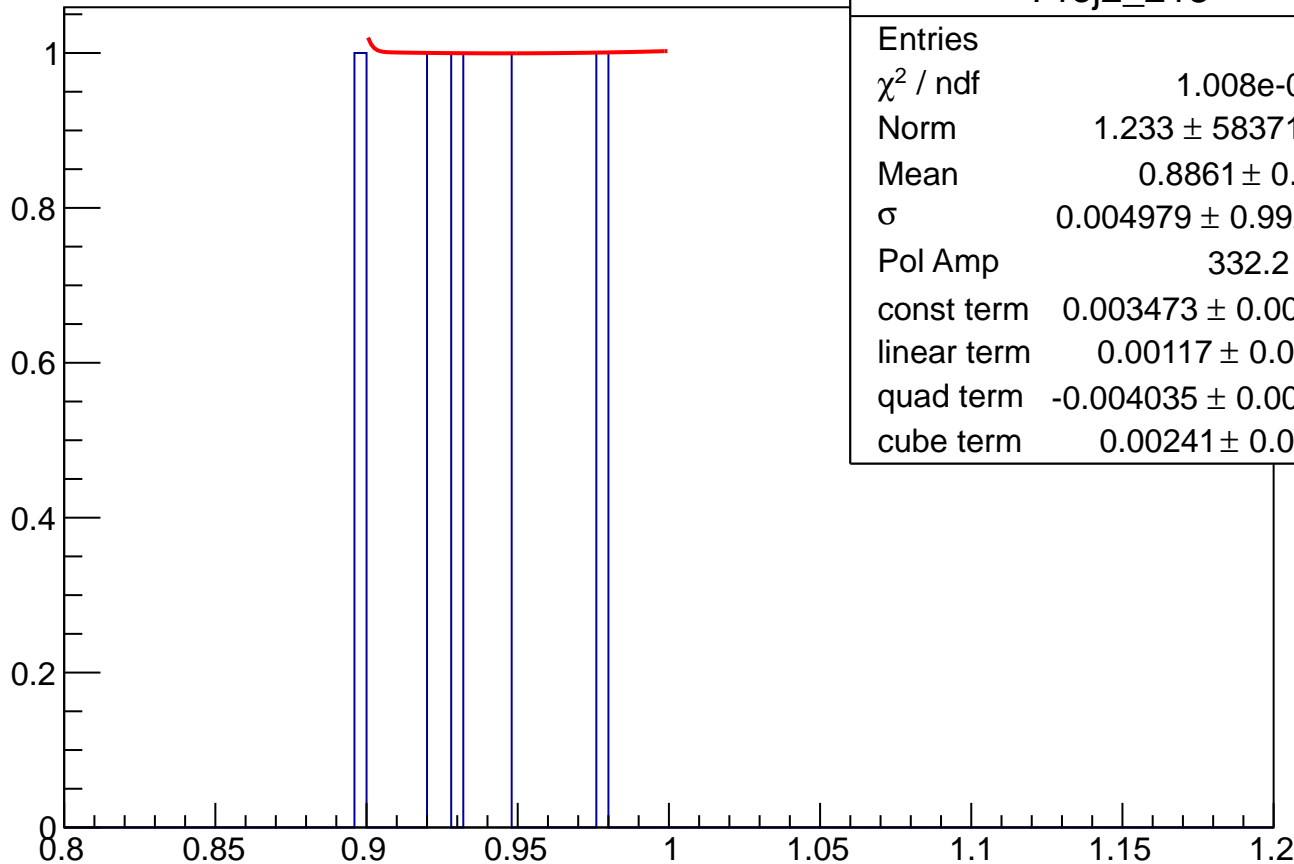
PhiThetaMassPim



Proj2_212

Entries	75
χ^2 / ndf	11.22 / 5
Norm	8.714 ± 1.751
Mean	0.9328 ± 0.0018
σ	-0.009731 ± 0.002207
Pol Amp	1.018 ± 75.940
const term	-19.31 ± 4.82
linear term	17.23 ± 5.38
quad term	20.58 ± 5.78
cube term	-17.24 ± 6.03

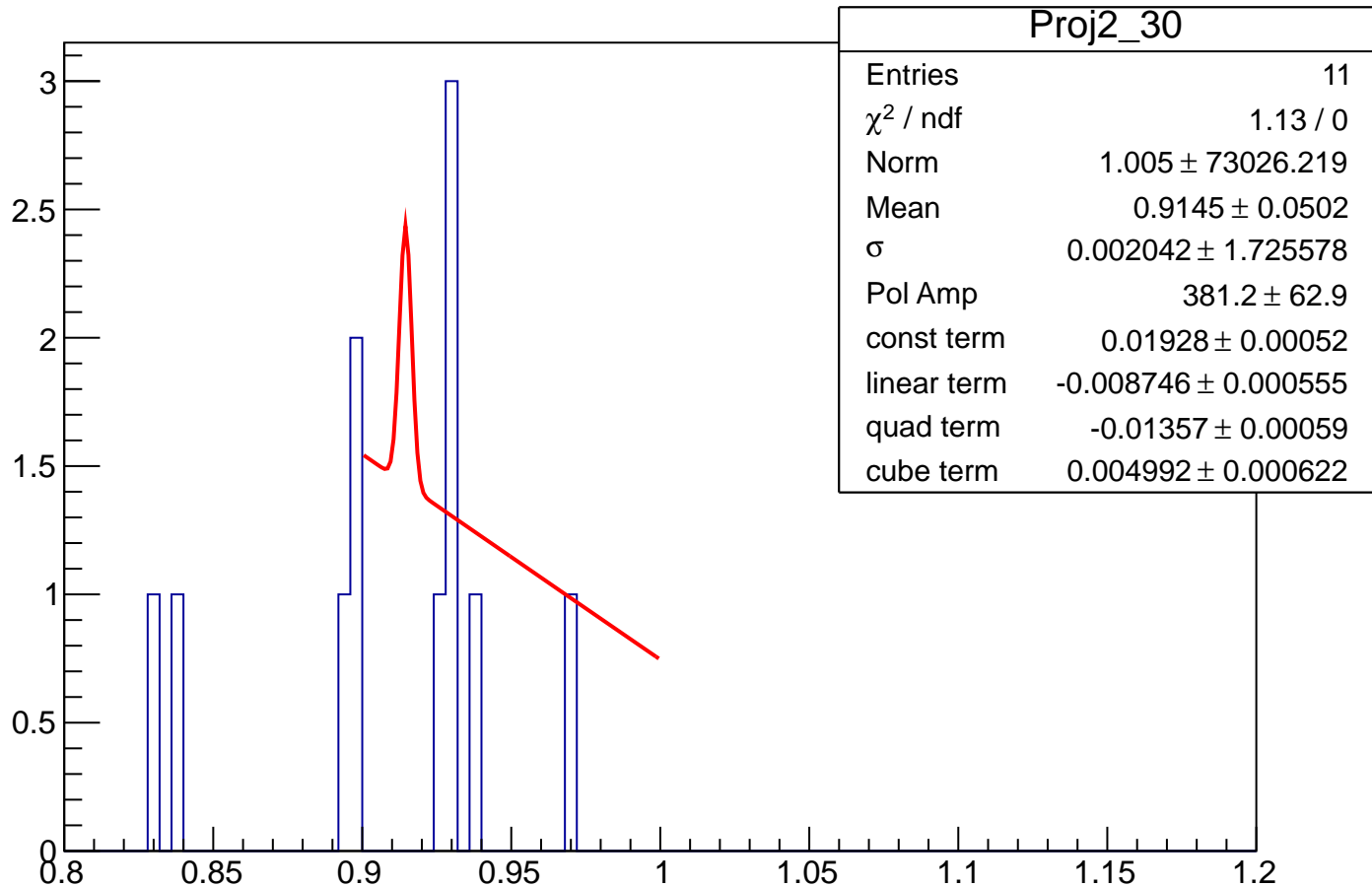
PhiThetaMassPim



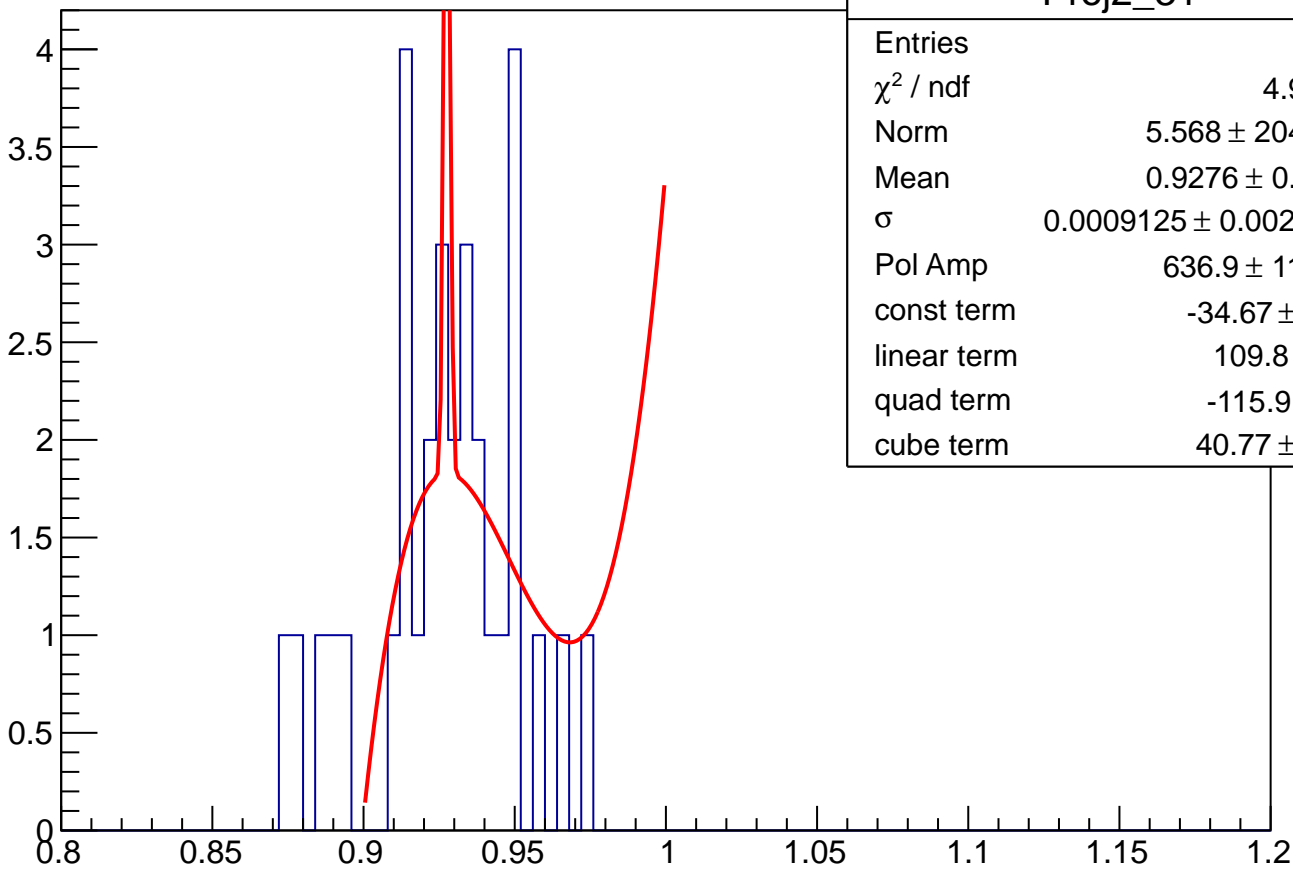
Proj2_213

Entries	8
χ^2 / ndf	1.008e-06 / 0
Norm	1.233 ± 58371.023
Mean	0.8861 ± 0.0501
σ	0.004979 ± 0.992680
Pol Amp	332.2 ± 0.1
const term	0.003473 ± 0.000001
linear term	0.00117 ± 0.00000
quad term	-0.004035 ± 0.000001
cube term	0.00241 ± 0.00000

PhiThetaMassPim



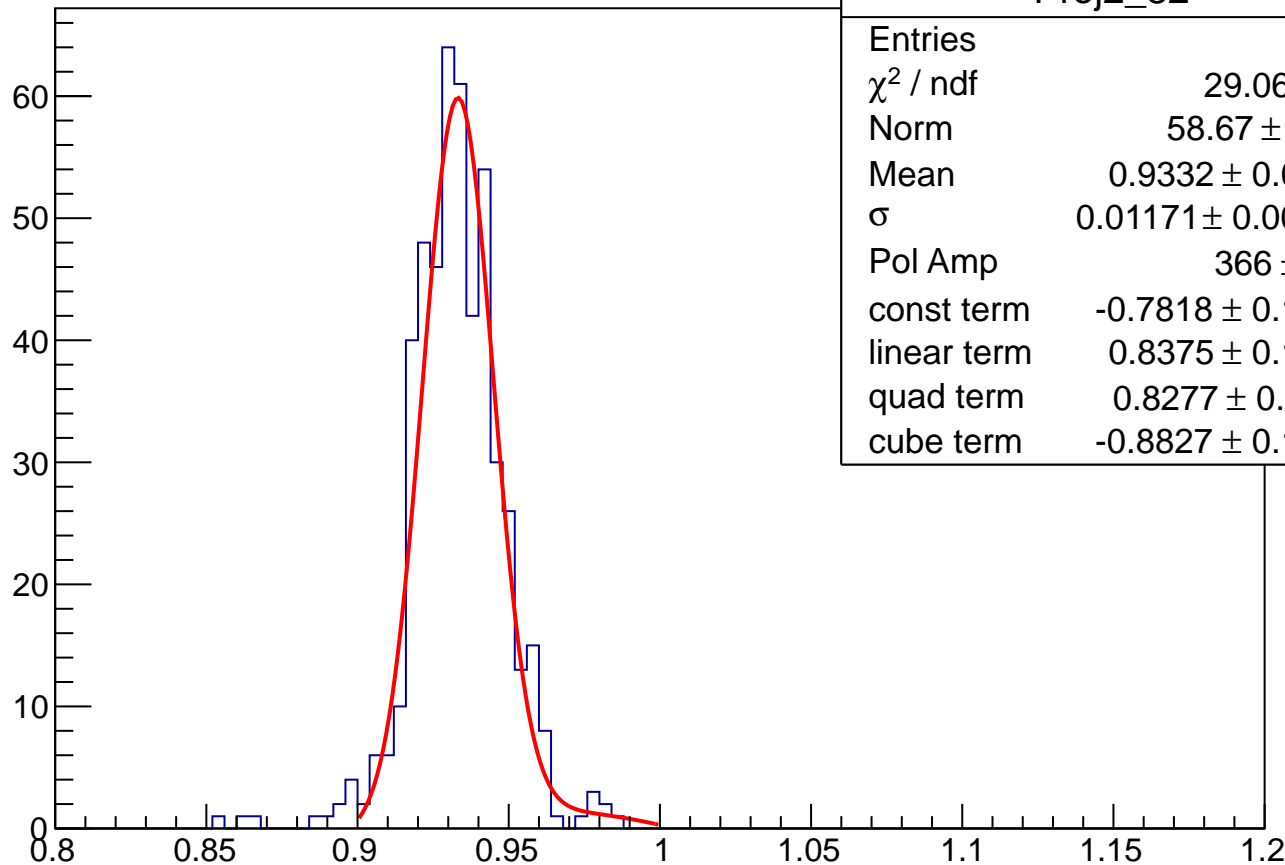
PhiThetaMassPim



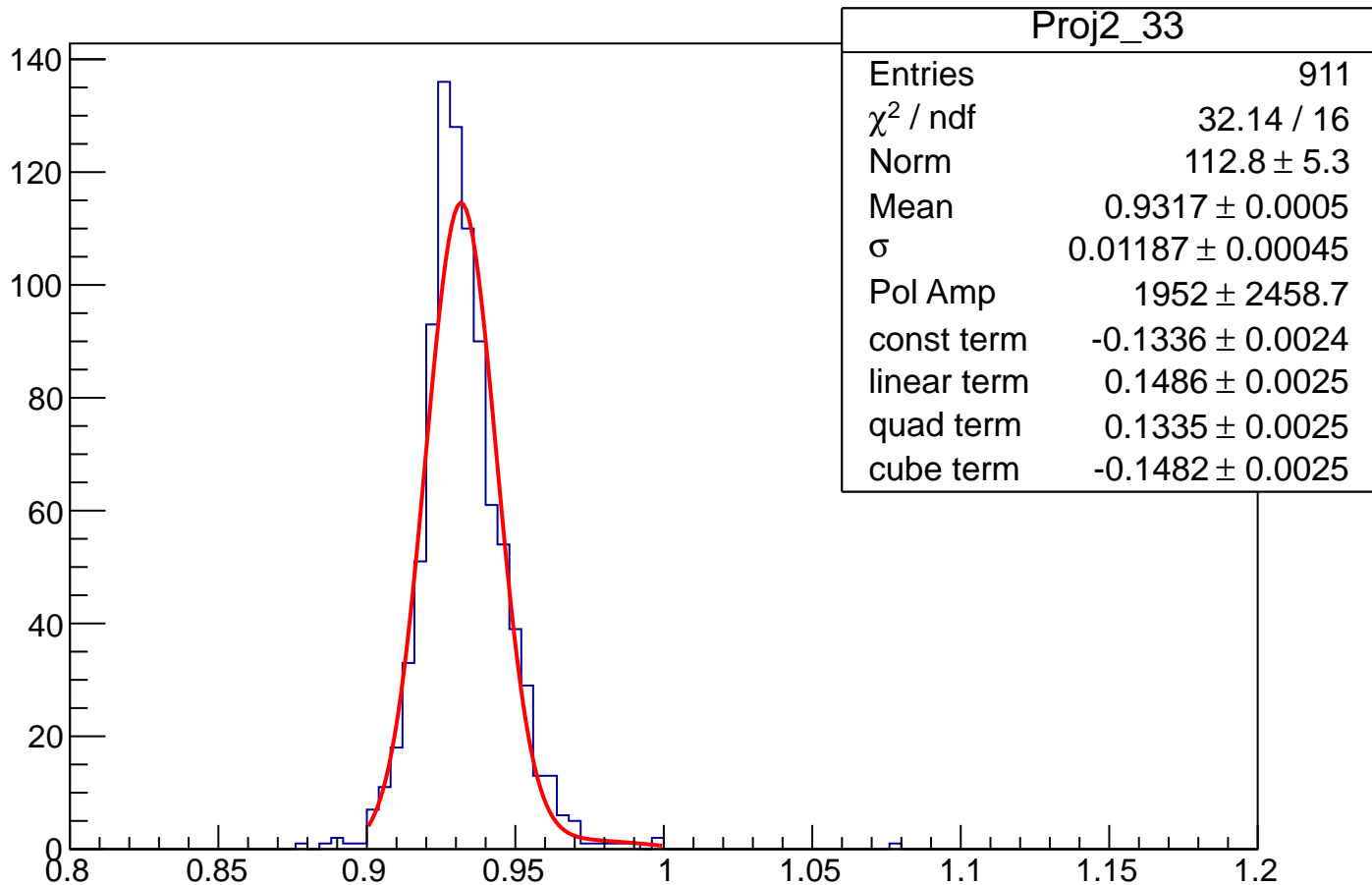
Proj2_31

Entries	32
χ^2 / ndf	4.99 / 6
Norm	5.568 ± 204.688
Mean	0.9276 ± 0.0022
σ	0.0009125 ± 0.0022704
Pol Amp	636.9 ± 1123.8
const term	-34.67 ± 0.00
linear term	109.8 ± 0.0
quad term	-115.9 ± 0.0
cube term	40.77 ± 0.00

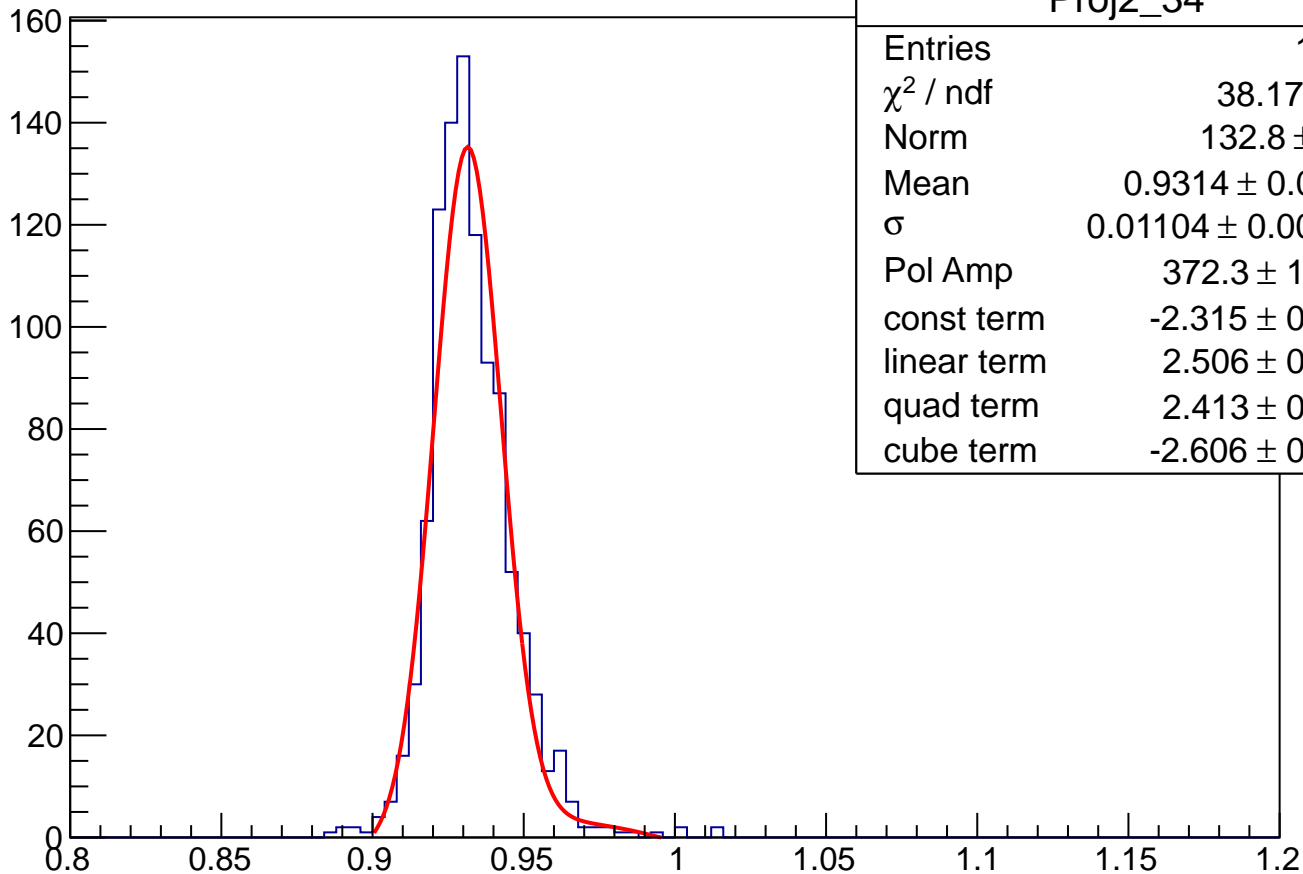
PhiThetaMassPim



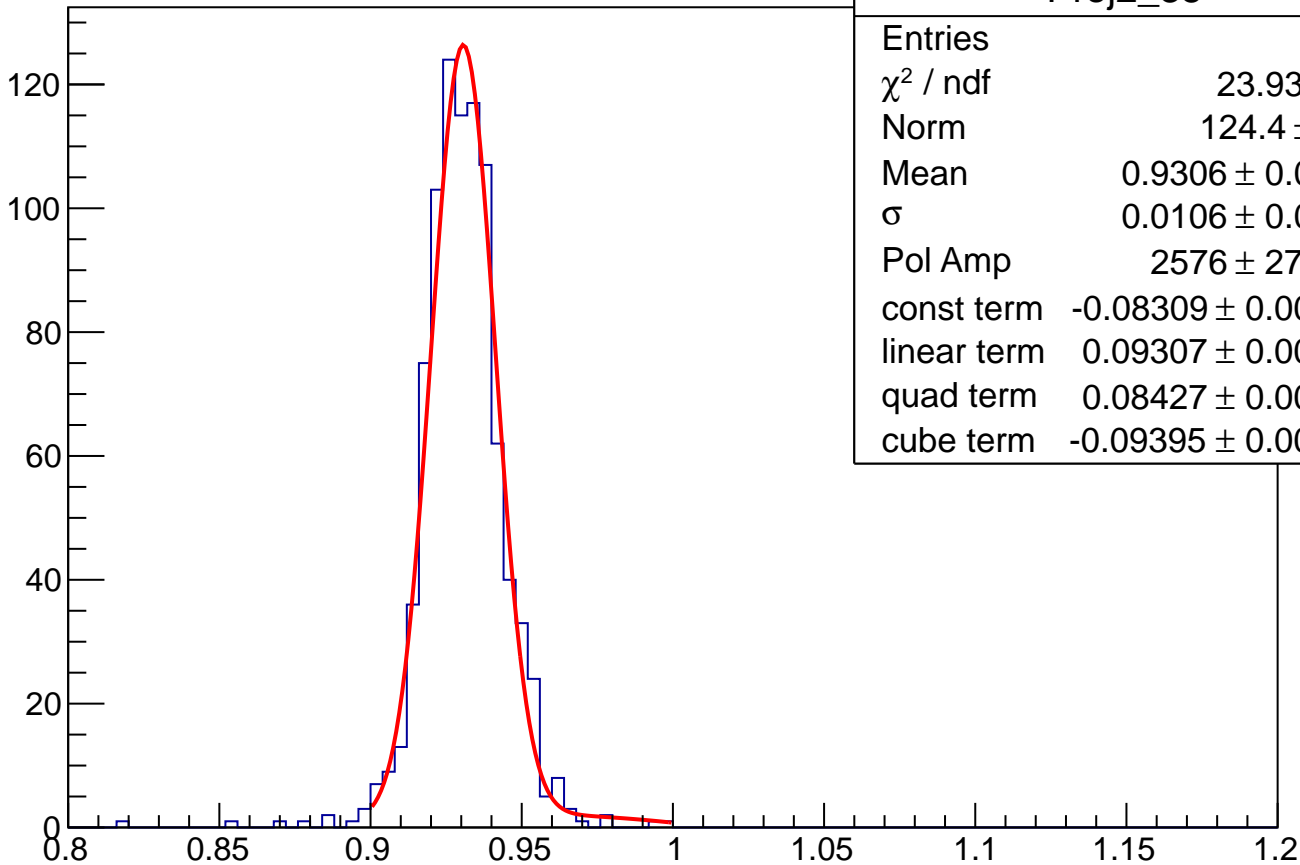
PhiThetaMassPim



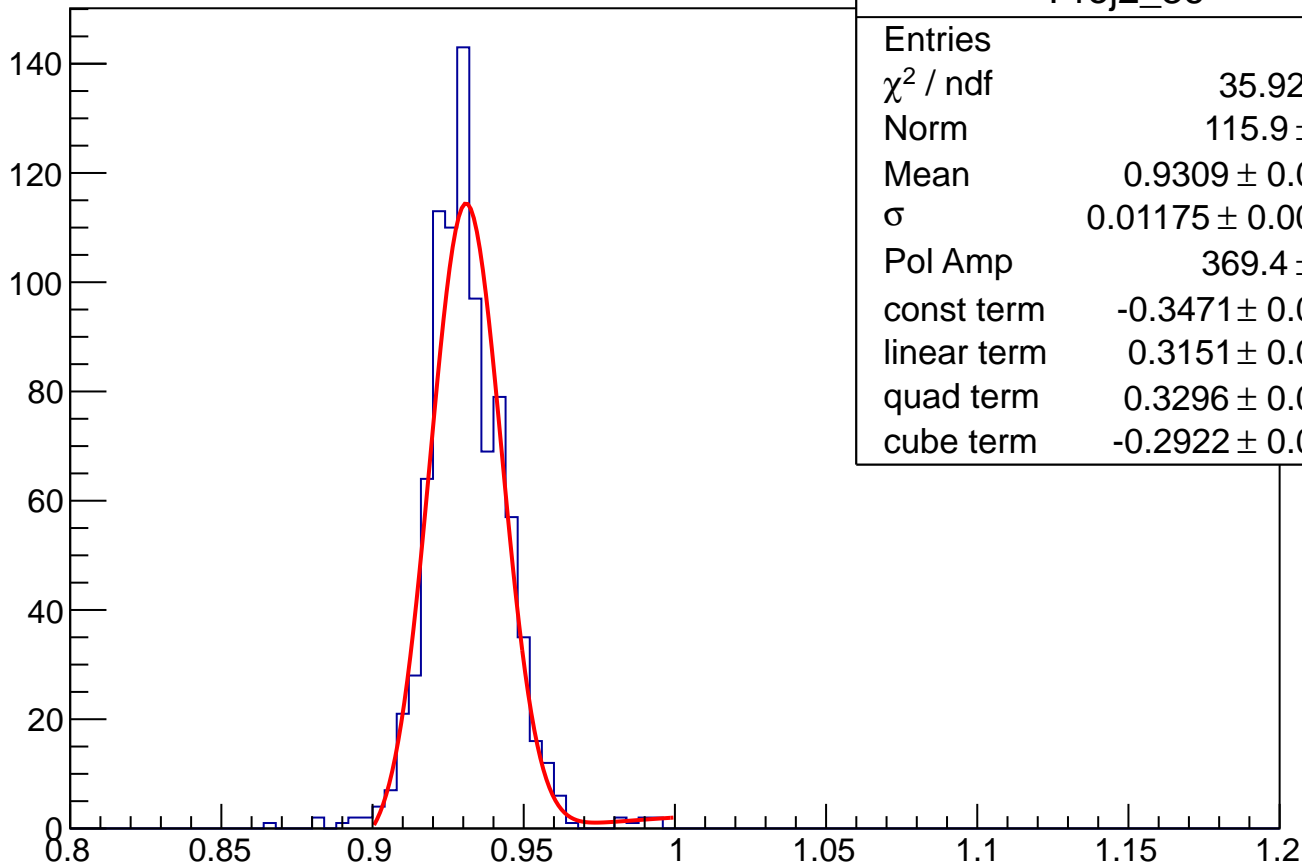
PhiThetaMassPim



PhiThetaMassPim



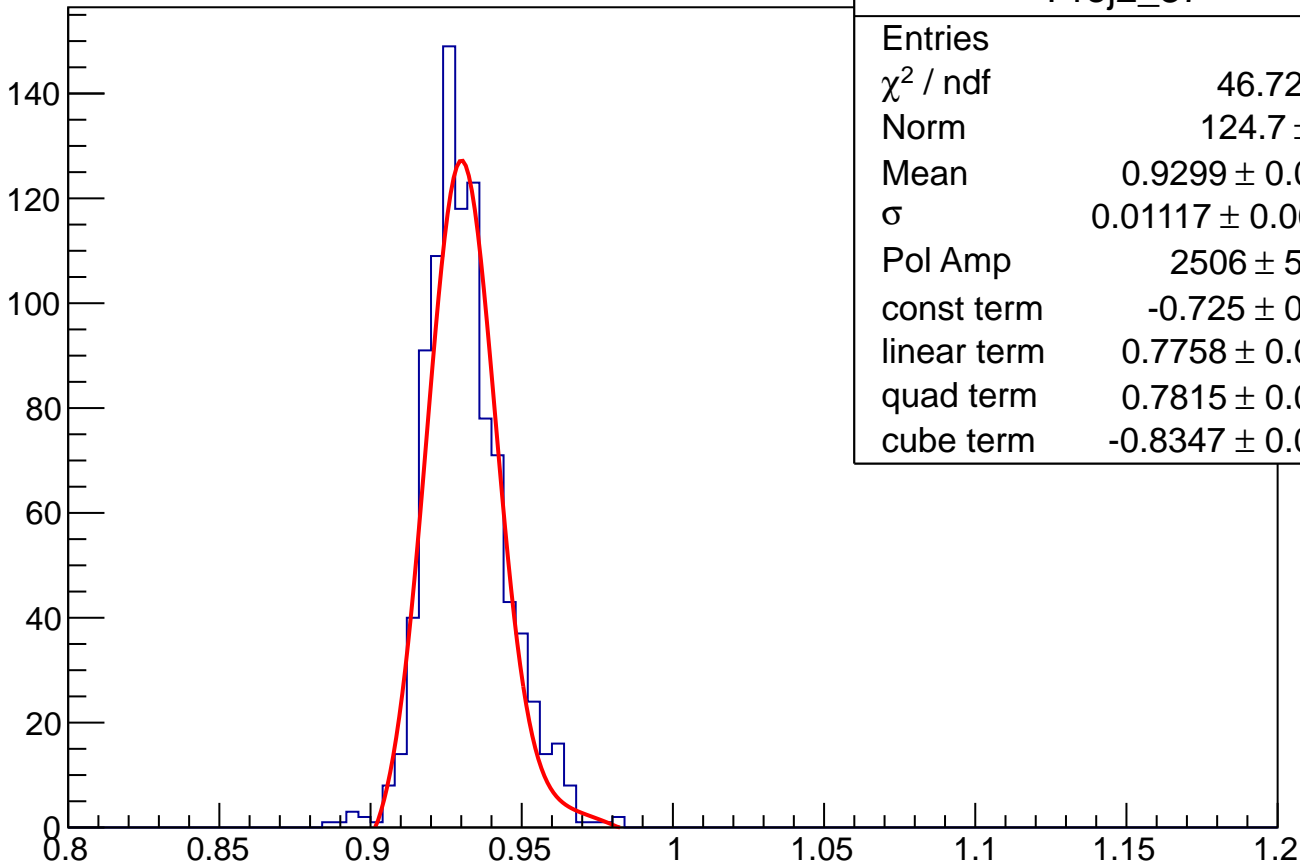
PhiThetaMassPim



Proj2_36

Entries	877
χ^2 / ndf	35.92 / 13
Norm	115.9 ± 5.0
Mean	0.9309 ± 0.0005
σ	0.01175 ± 0.00056
Pol Amp	369.4 ± 0.4
const term	-0.3471 ± 0.0743
linear term	0.3151 ± 0.0513
quad term	0.3296 ± 0.0609
cube term	-0.2922 ± 0.0466

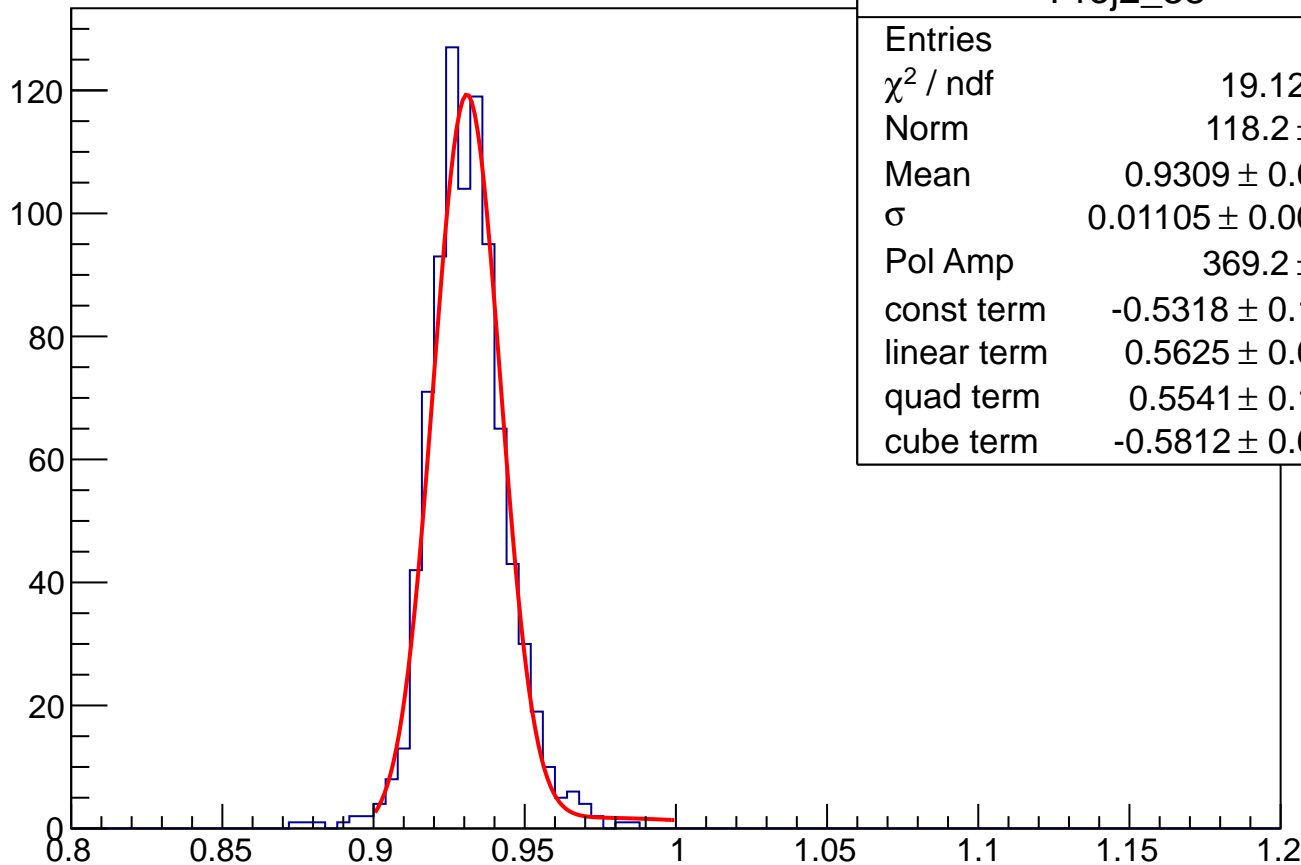
PhiThetaMassPim



Proj2_37

Entries	956
χ^2 / ndf	46.72 / 13
Norm	124.7 ± 5.7
Mean	0.9299 ± 0.0005
σ	0.01117 ± 0.00041
Pol Amp	2506 ± 599.6
const term	-0.725 ± 0.002
linear term	0.7758 ± 0.0024
quad term	0.7815 ± 0.0025
cube term	-0.8347 ± 0.0025

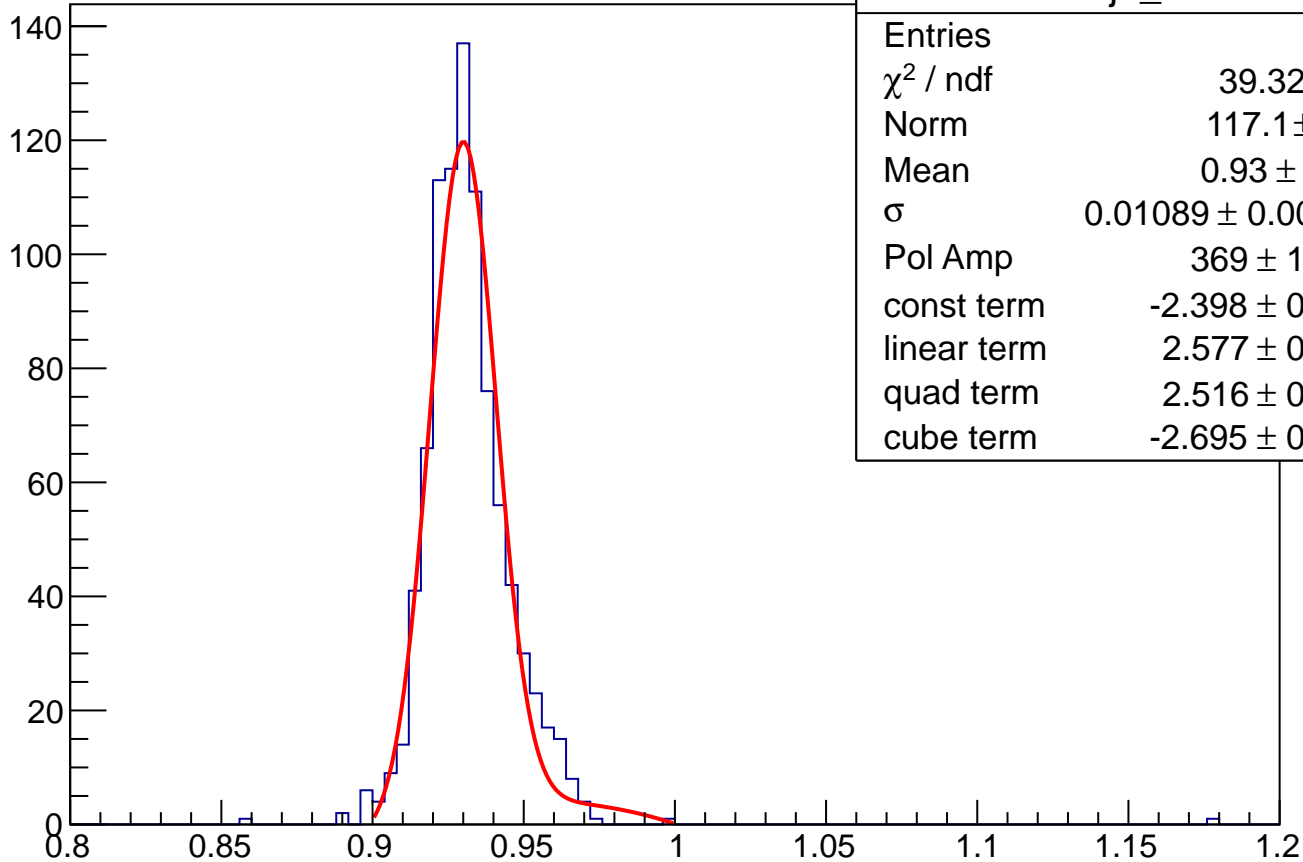
PhiThetaMassPim



Proj2_38

Entries	870
χ^2 / ndf	19.12 / 13
Norm	118.2 ± 5.4
Mean	0.9309 ± 0.0004
σ	0.01105 ± 0.00049
Pol Amp	369.2 ± 0.4
const term	-0.5318 ± 0.1083
linear term	0.5625 ± 0.0956
quad term	0.5541 ± 0.1019
cube term	-0.5812 ± 0.0947

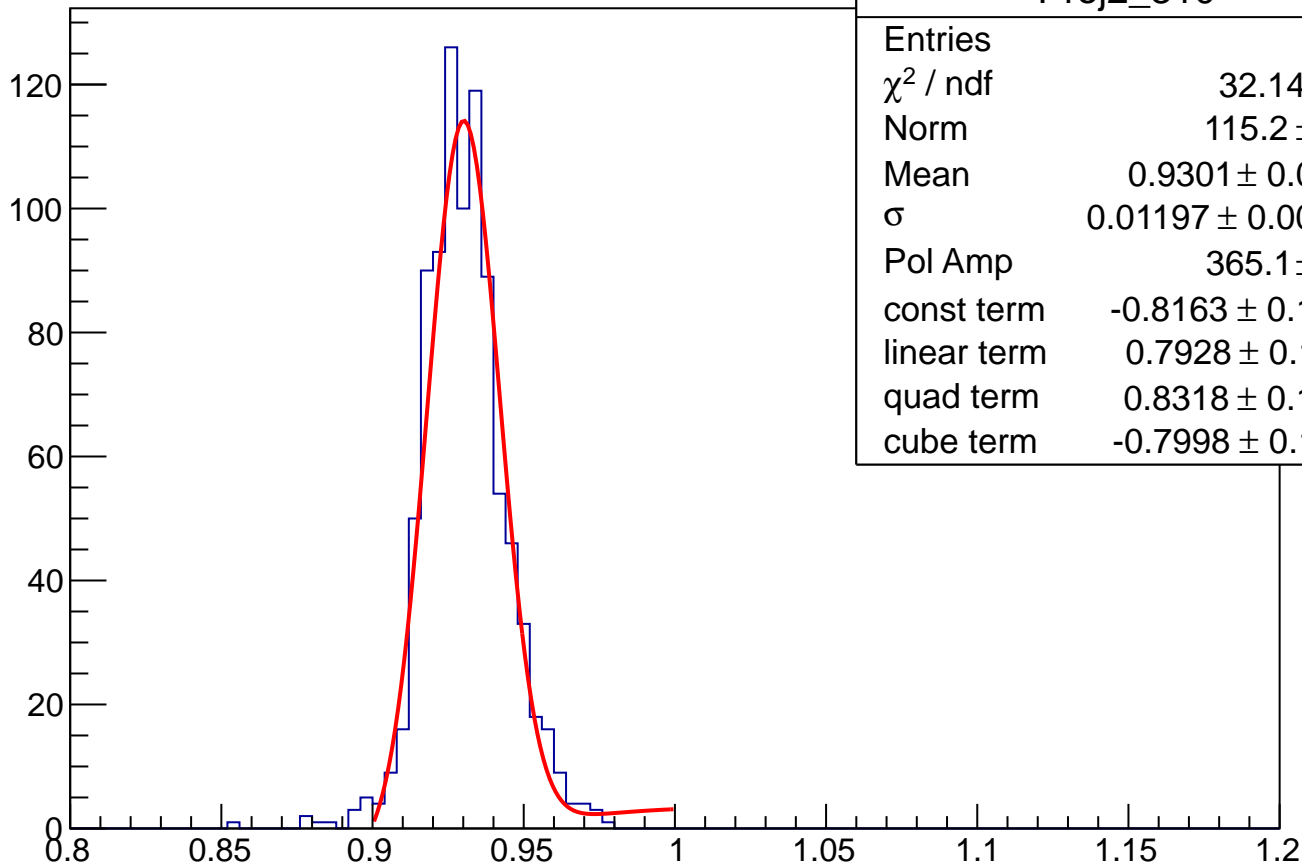
PhiThetaMassPim



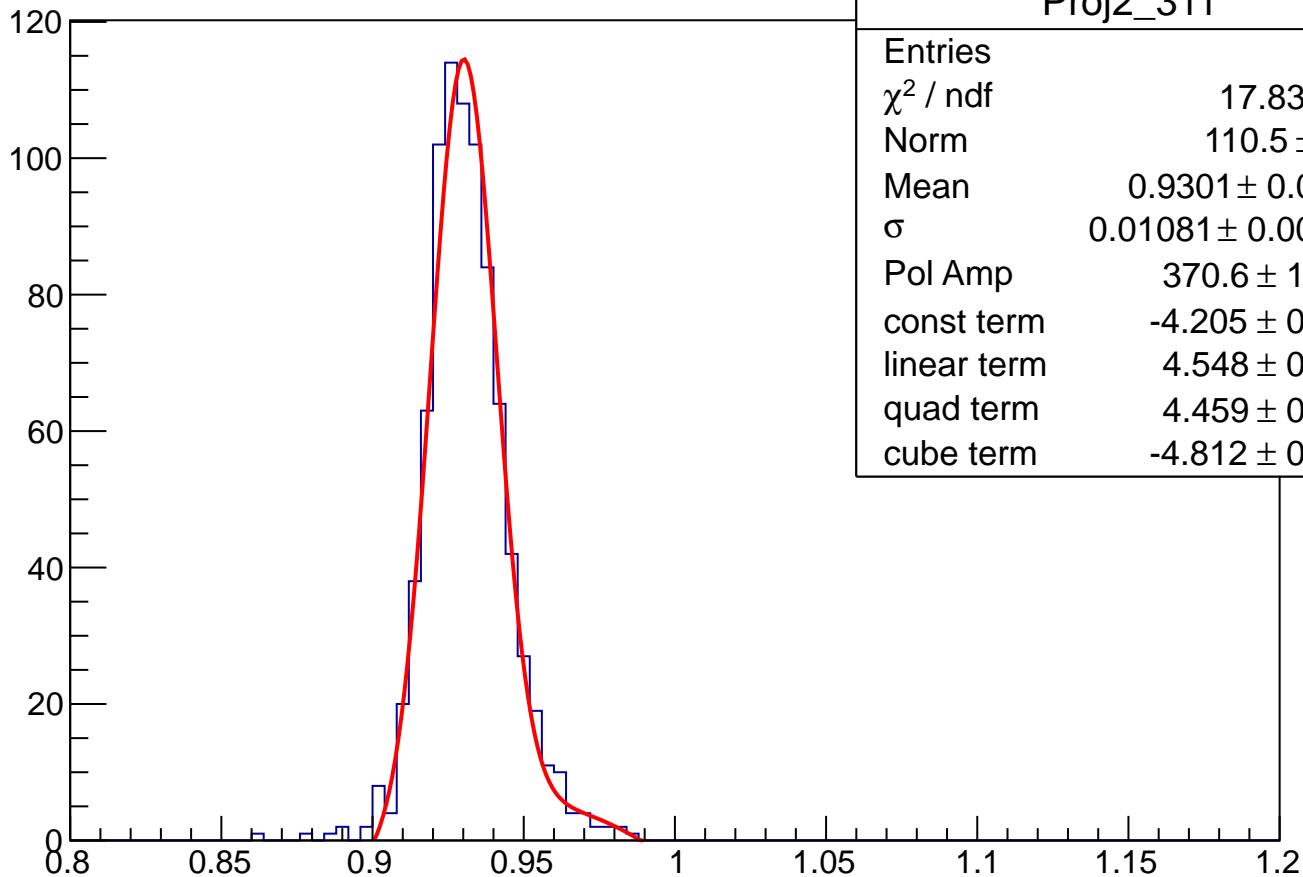
Proj2_39

Entries	893
χ^2 / ndf	39.32 / 12
Norm	117.1 ± 5.8
Mean	0.93 ± 0.00
σ	0.01089 ± 0.00048
Pol Amp	369 ± 129.4
const term	-2.398 ± 0.018
linear term	2.577 ± 0.019
quad term	2.516 ± 0.020
cube term	-2.695 ± 0.019

PhiThetaMassPim



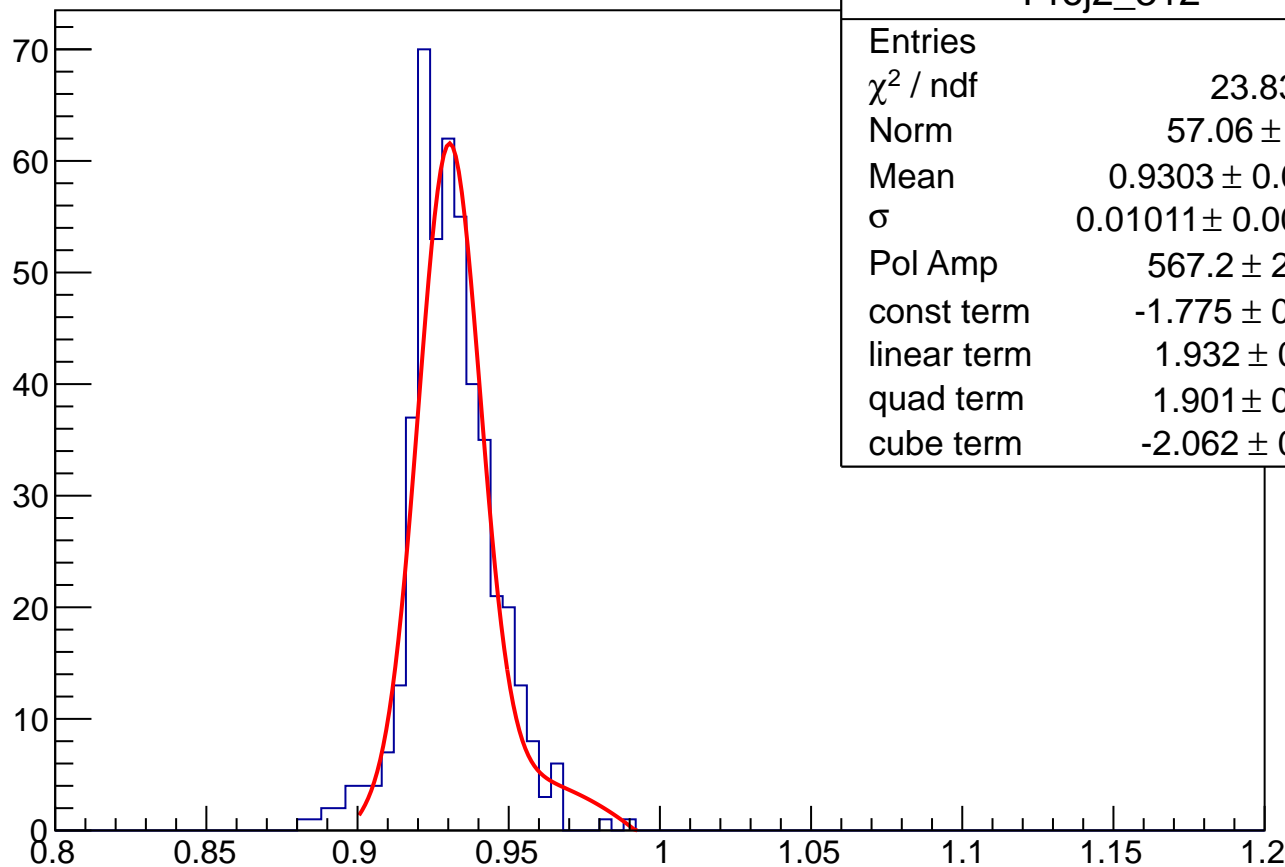
PhiThetaMassPim



Proj2_311

Entries	838
χ^2 / ndf	17.83 / 14
Norm	110.5 ± 5.3
Mean	0.9301 ± 0.0005
σ	0.01081 ± 0.00040
Pol Amp	370.6 ± 122.0
const term	-4.205 ± 0.016
linear term	4.548 ± 0.017
quad term	4.459 ± 0.018
cube term	-4.812 ± 0.018

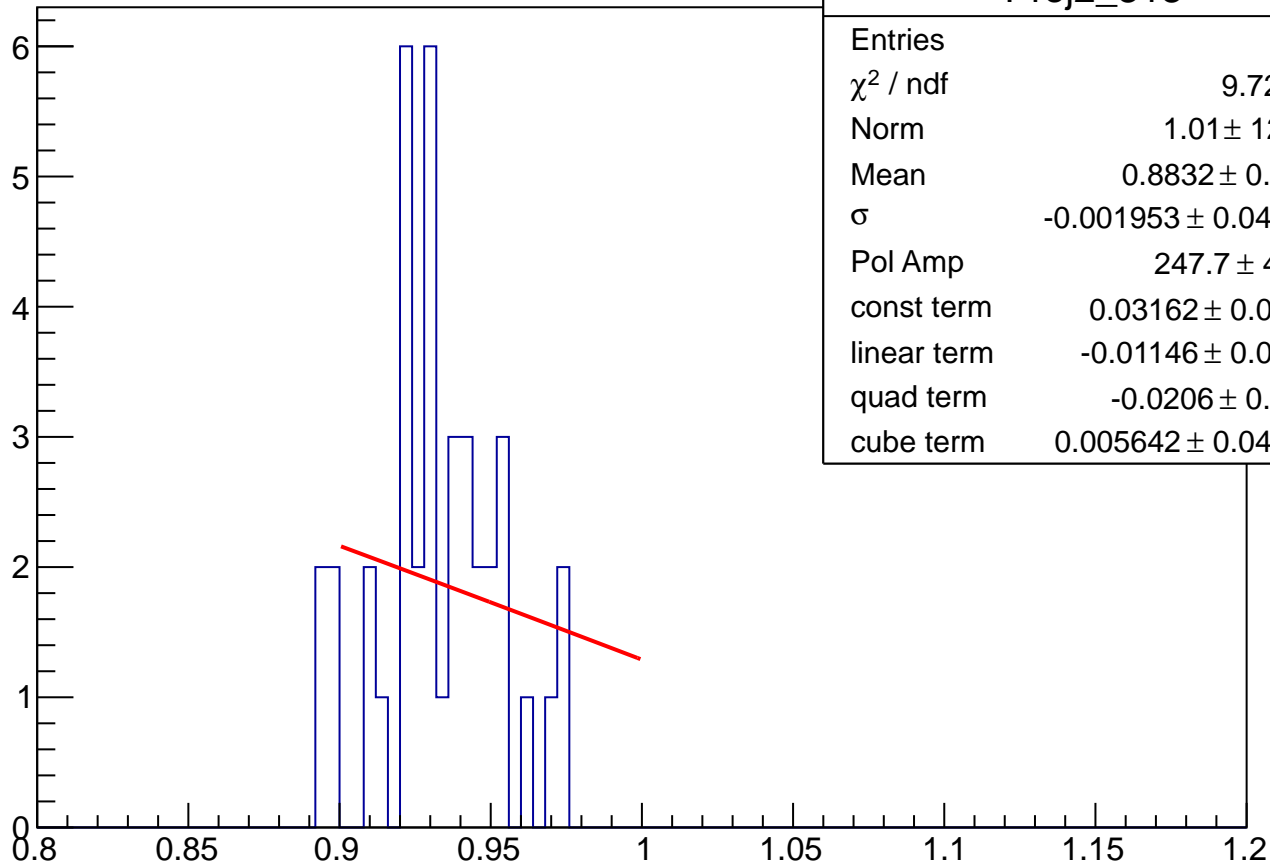
PhiThetaMassPim



Proj2_312

Entries	463
χ^2 / ndf	23.83 / 11
Norm	57.06 ± 4.14
Mean	0.9303 ± 0.0008
σ	0.01011 ± 0.00072
Pol Amp	567.2 ± 243.0
const term	-1.775 ± 0.010
linear term	1.932 ± 0.011
quad term	1.901 ± 0.012
cube term	-2.062 ± 0.011

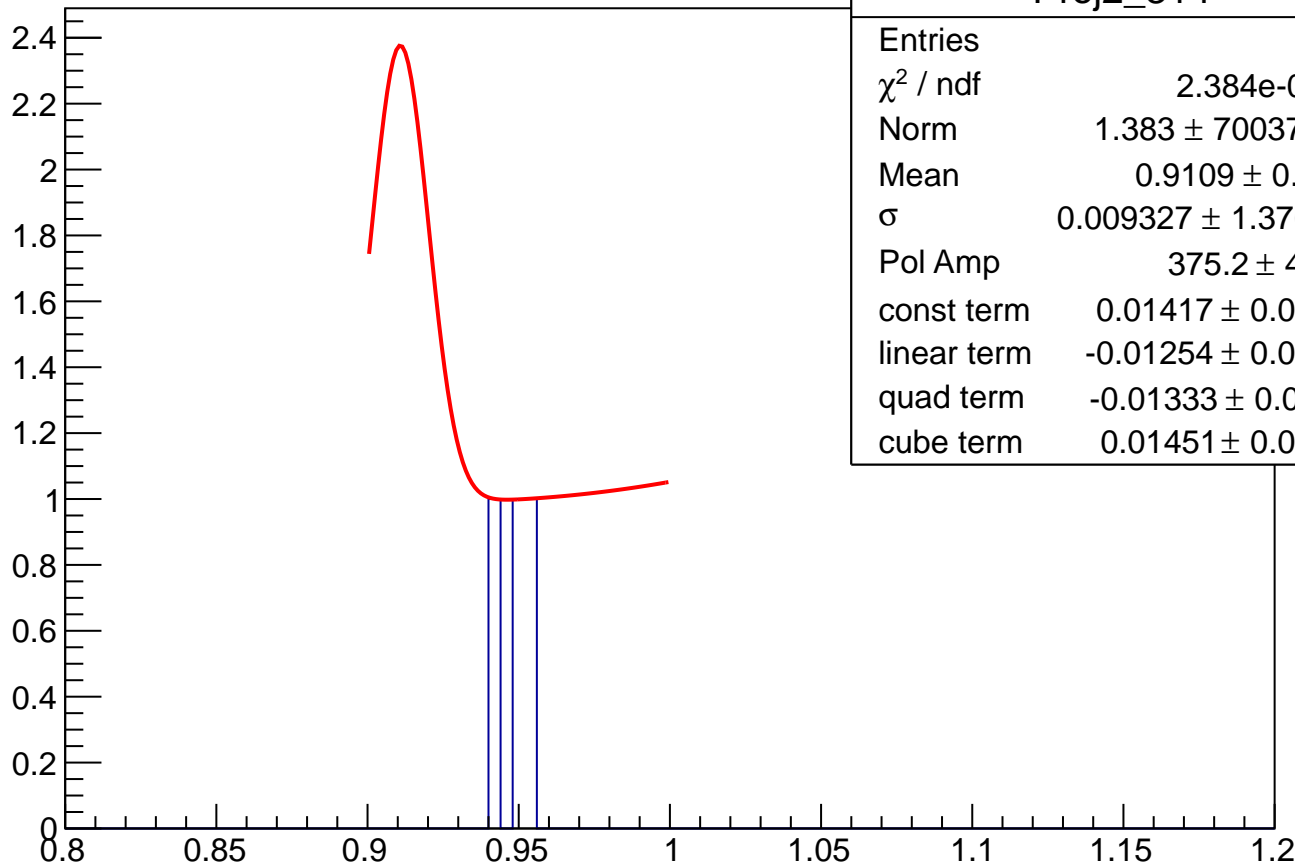
PhiThetaMassPim



Proj2_313

Entries	39
χ^2 / ndf	9.725 / 6
Norm	1.01 ± 127.81
Mean	0.8832 ± 0.0945
σ	-0.001953 ± 0.040259
Pol Amp	247.7 ± 440.7
const term	0.03162 ± 0.01666
linear term	-0.01146 ± 0.03050
quad term	-0.0206 ± 0.0210
cube term	0.005642 ± 0.043428

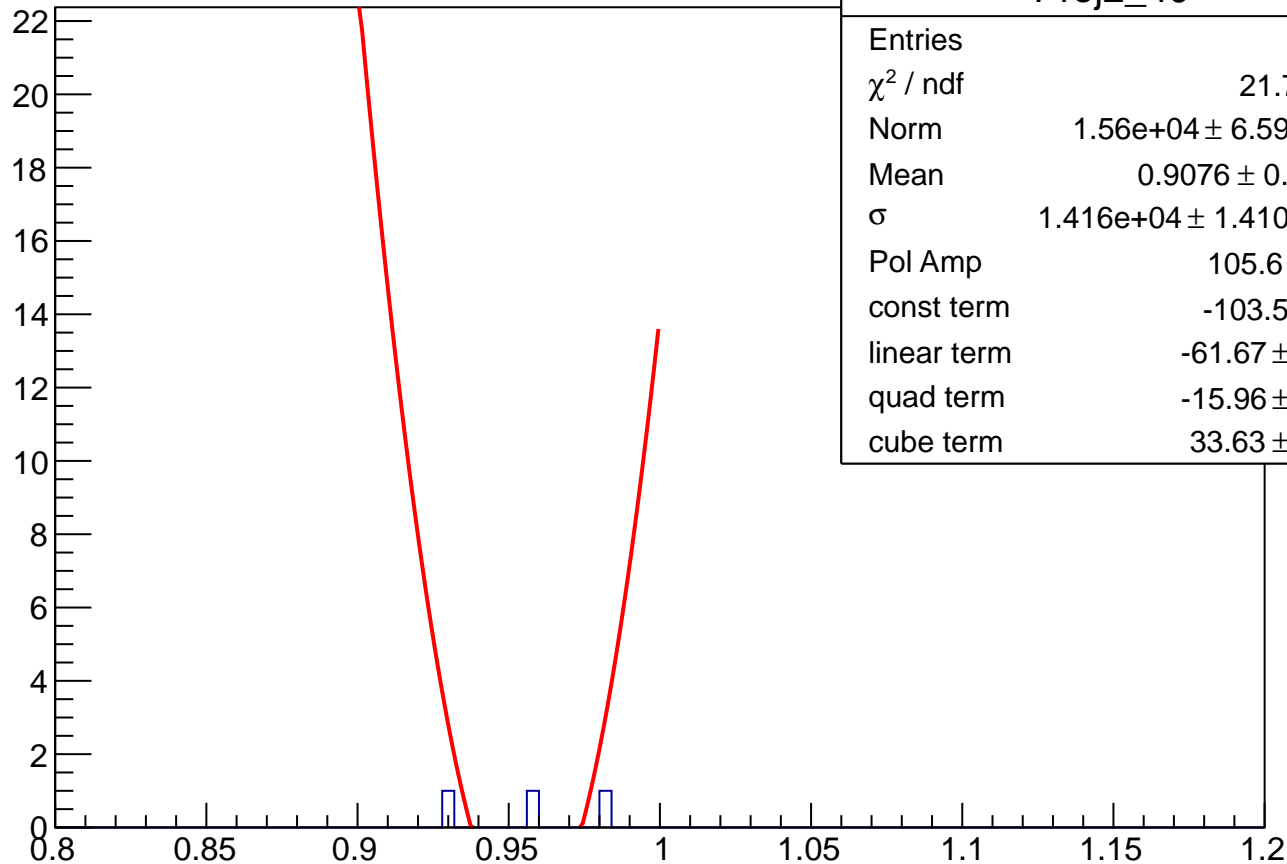
PhiThetaMassPim



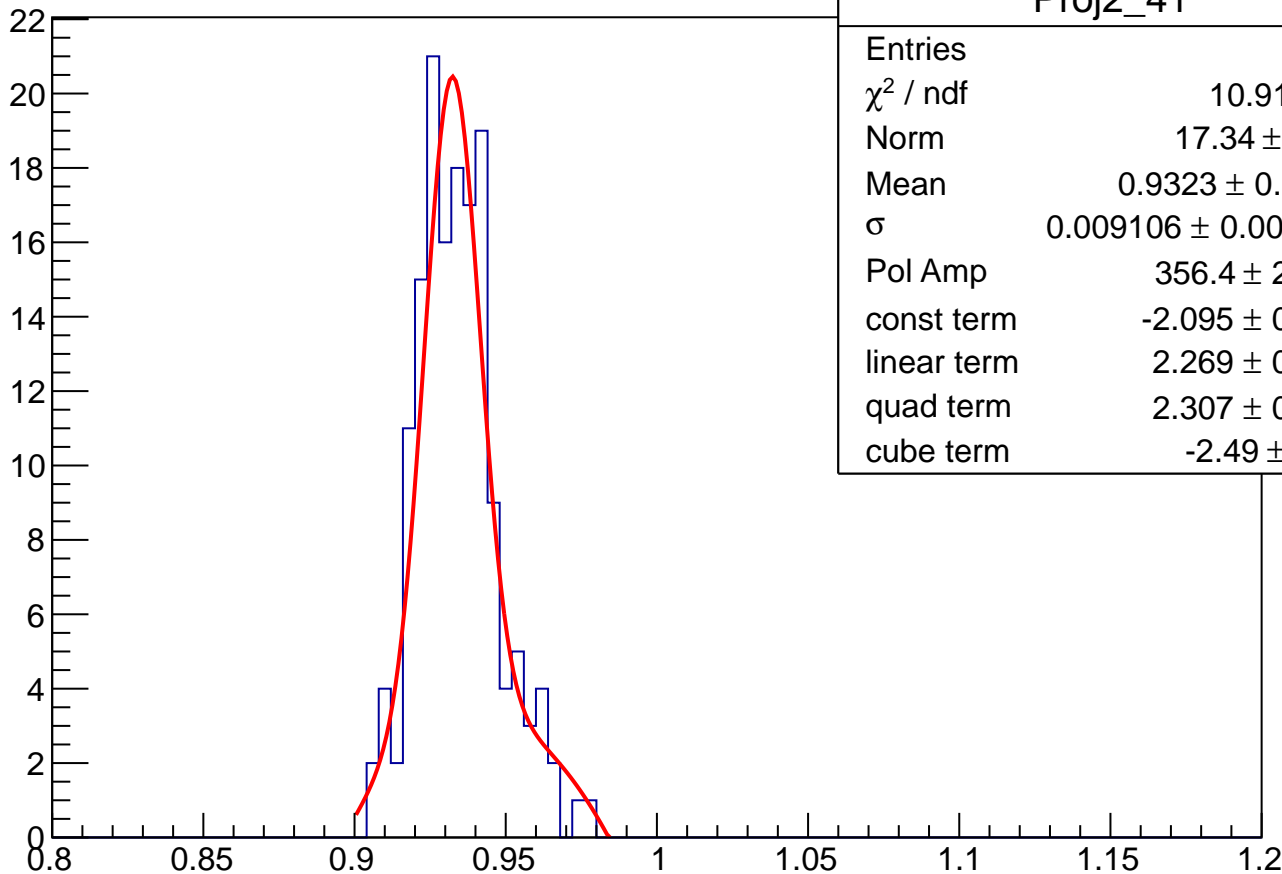
Proj2_314

Entries	3
χ^2 / ndf	2.384e-06 / 0
Norm	1.383 ± 70037.133
Mean	0.9109 ± 0.0521
σ	0.009327 ± 1.376536
Pol Amp	375.2 ± 421.5
const term	0.01417 ± 0.00299
linear term	-0.01254 ± 0.00315
quad term	-0.01333 ± 0.00331
cube term	0.01451 ± 0.00349

PhiThetaMassPim



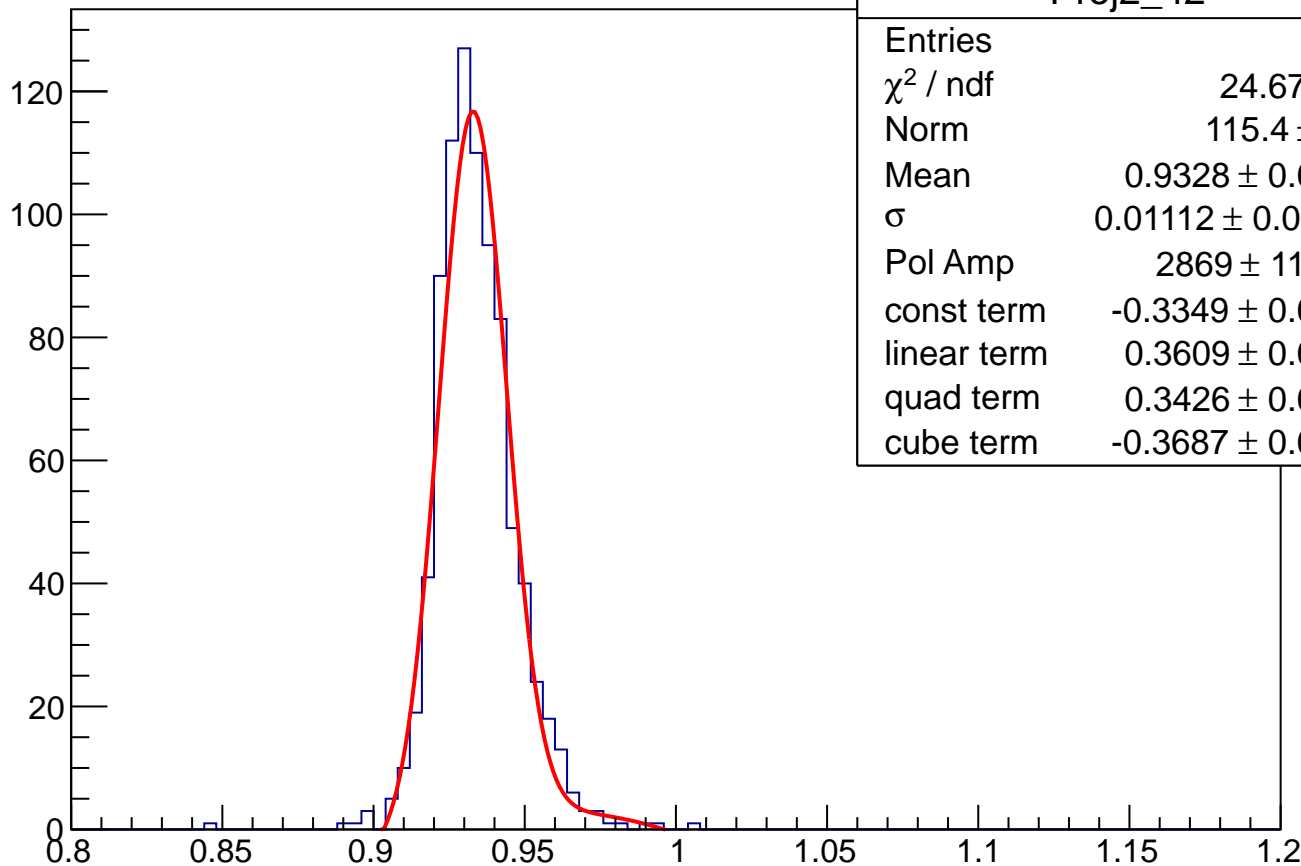
PhiThetaMassPim



Proj2_41

Entries	154
χ^2 / ndf	10.91 / 10
Norm	17.34 ± 2.65
Mean	0.9323 ± 0.0013
σ	0.009106 ± 0.001195
Pol Amp	356.4 ± 284.5
const term	-2.095 ± 0.013
linear term	2.269 ± 0.015
quad term	2.307 ± 0.015
cube term	-2.49 ± 0.01

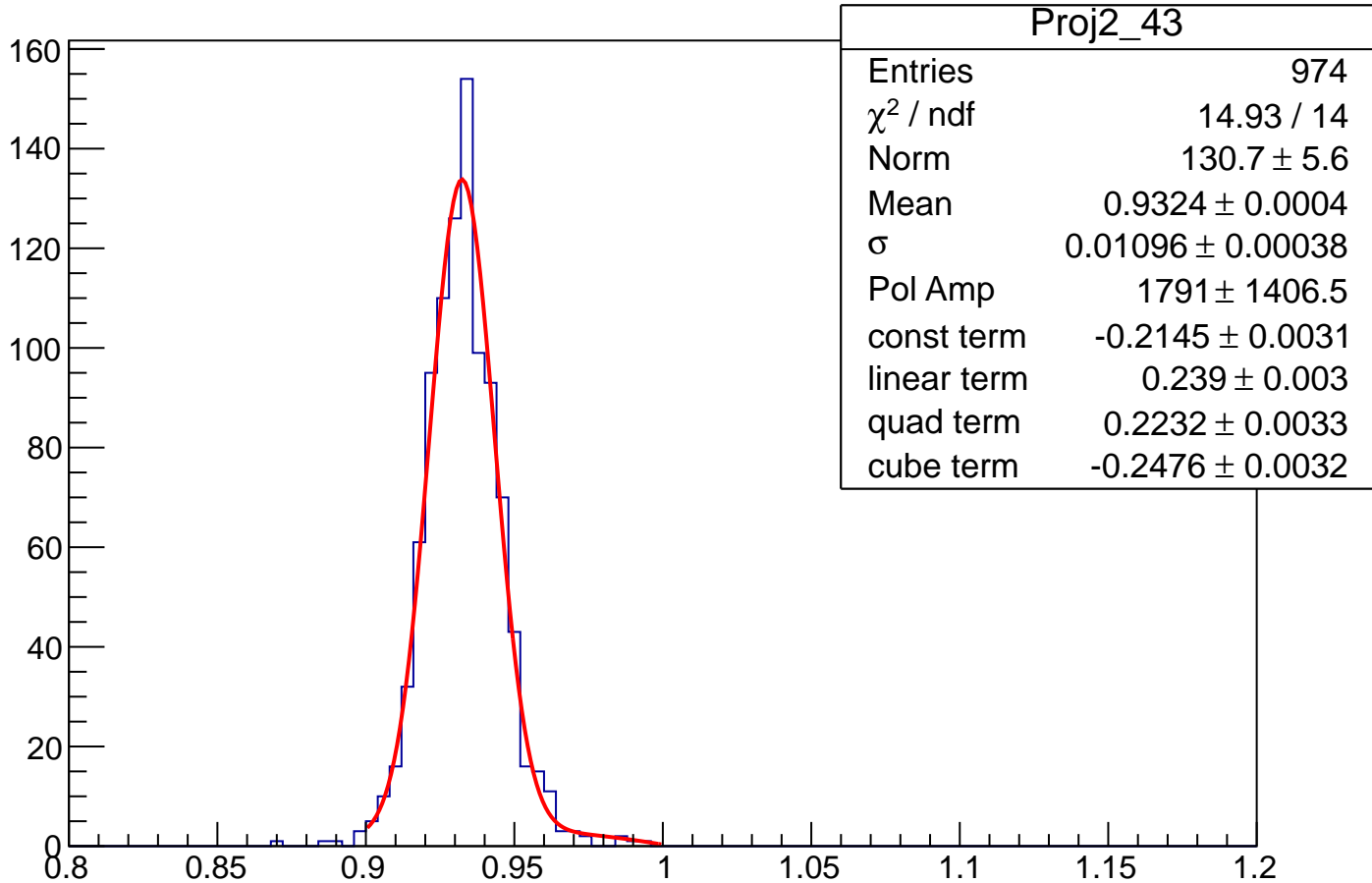
PhiThetaMassPim



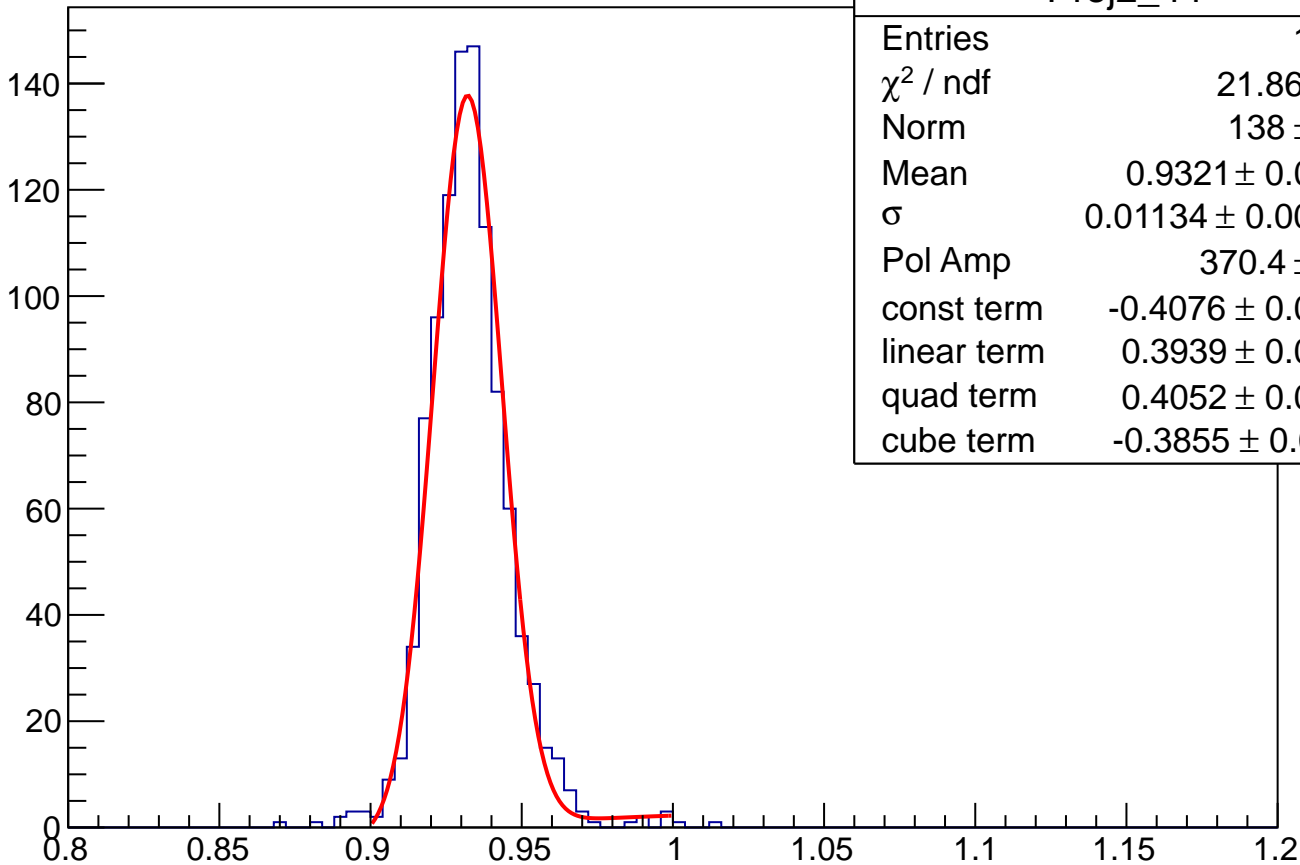
Proj2_42

Entries	859
χ^2 / ndf	24.67 / 14
Norm	115.4 ± 5.4
Mean	0.9328 ± 0.0005
σ	0.01112 ± 0.00041
Pol Amp	2869 ± 1175.0
const term	-0.3349 ± 0.0018
linear term	0.3609 ± 0.0019
quad term	0.3426 ± 0.0019
cube term	-0.3687 ± 0.0019

PhiThetaMassPim



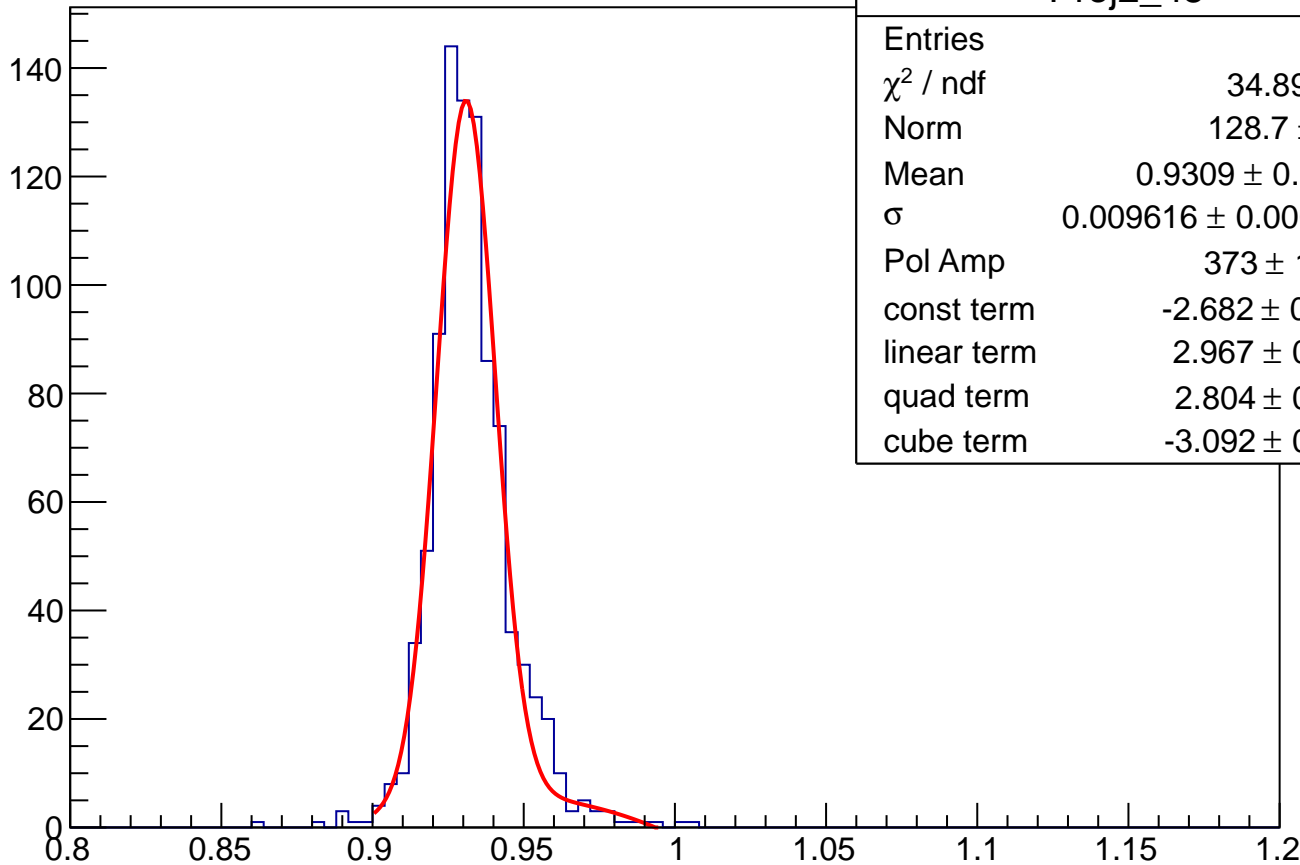
PhiThetaMassPim



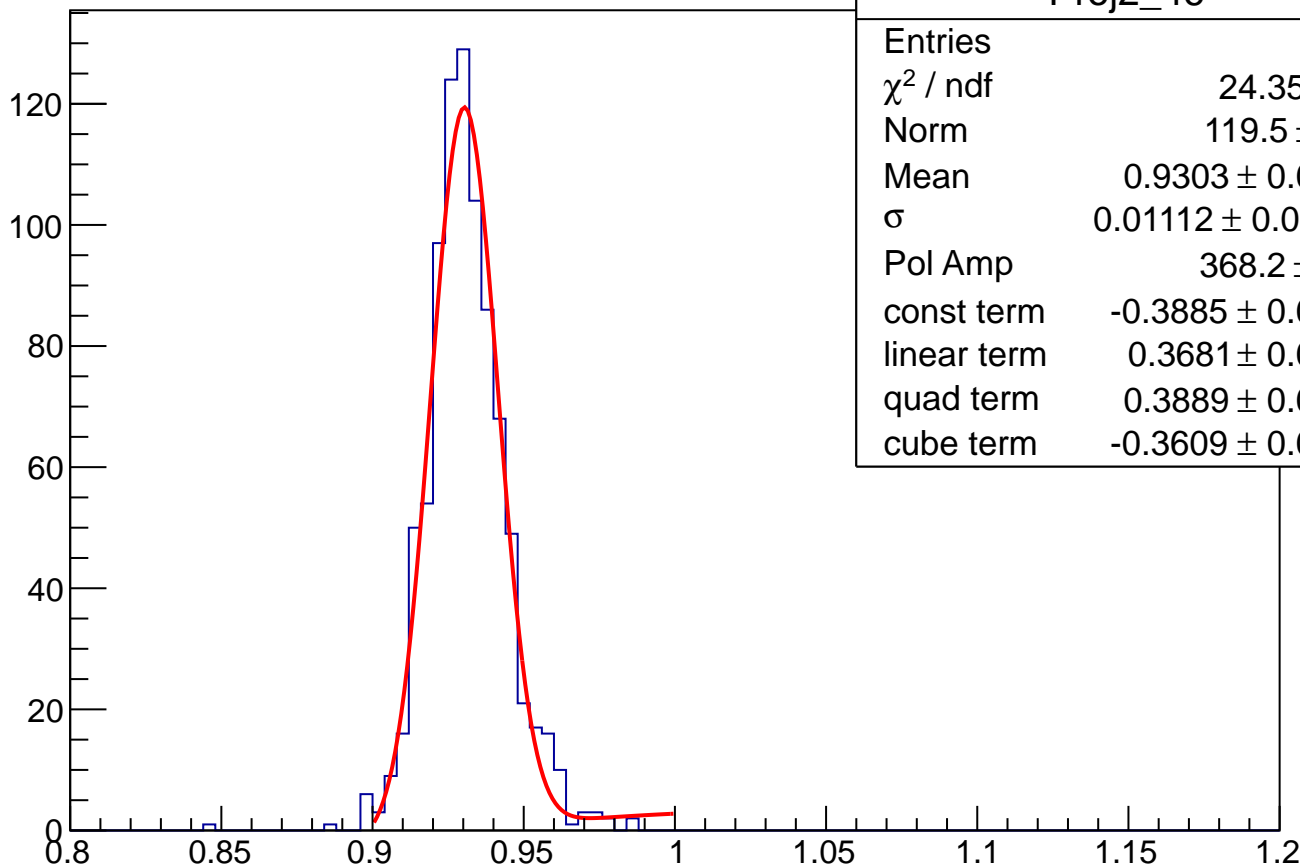
Proj2_44

Entries	1018
χ^2 / ndf	21.86 / 14
Norm	138 ± 5.7
Mean	0.9321 ± 0.0004
σ	0.01134 ± 0.00045
Pol Amp	370.4 ± 0.3
const term	-0.4076 ± 0.0750
linear term	0.3939 ± 0.0612
quad term	0.4052 ± 0.0677
cube term	-0.3855 ± 0.0581

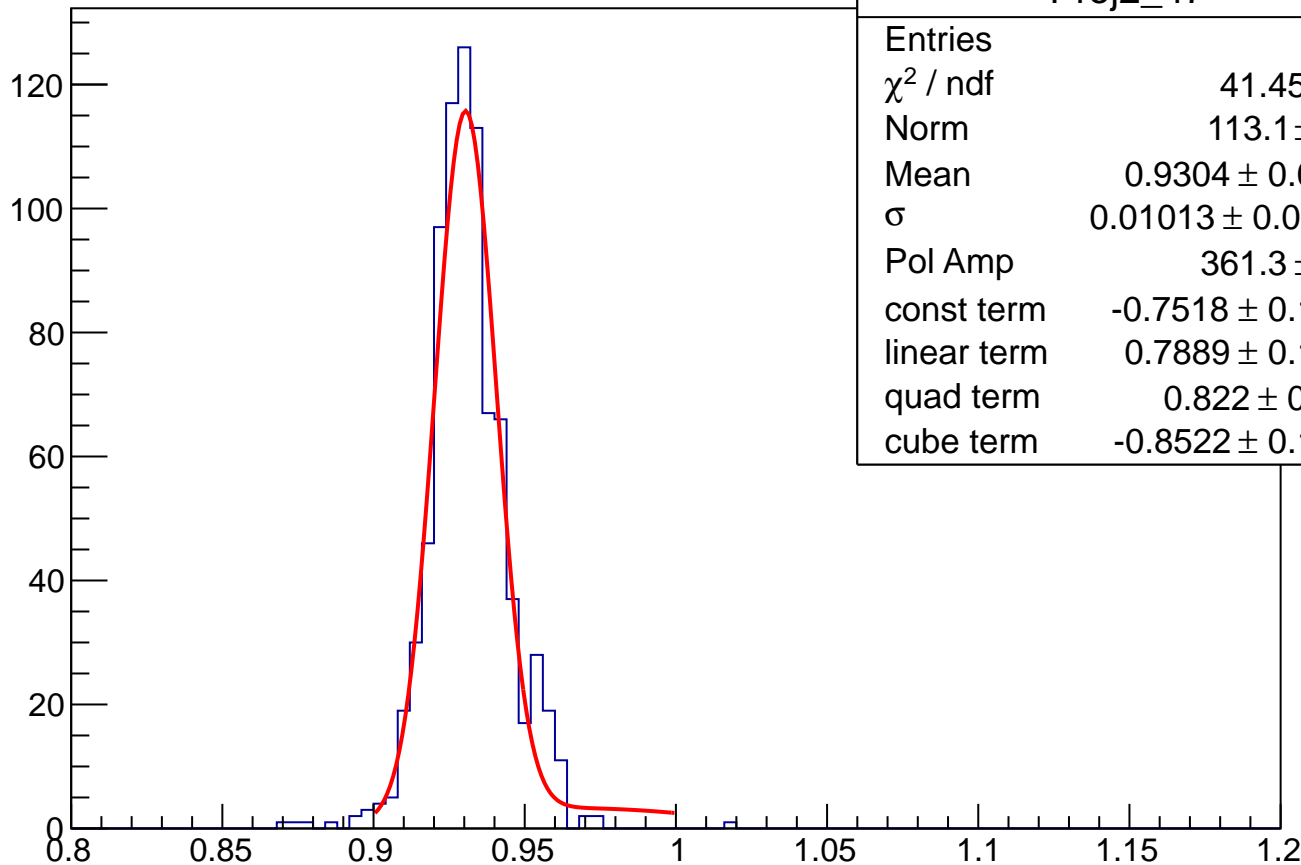
PhiThetaMassPim



PhiThetaMassPim



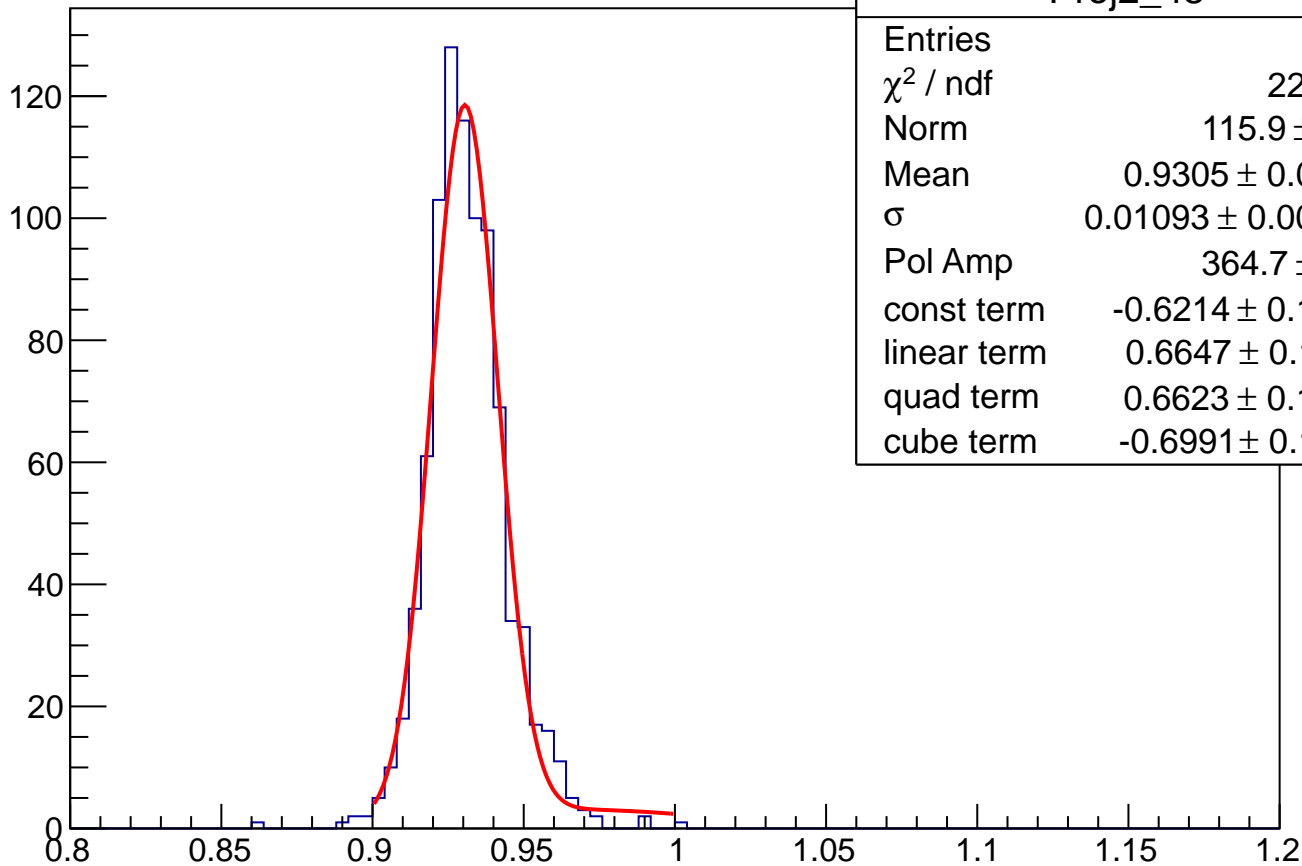
PhiThetaMassPim



Proj2_47

Entries	816
χ^2 / ndf	41.45 / 10
Norm	113.1 ± 5.8
Mean	0.9304 ± 0.0004
σ	0.01013 ± 0.00051
Pol Amp	361.3 ± 0.8
const term	-0.7518 ± 0.1715
linear term	0.7889 ± 0.1627
quad term	0.822 ± 0.177
cube term	-0.8522 ± 0.1717

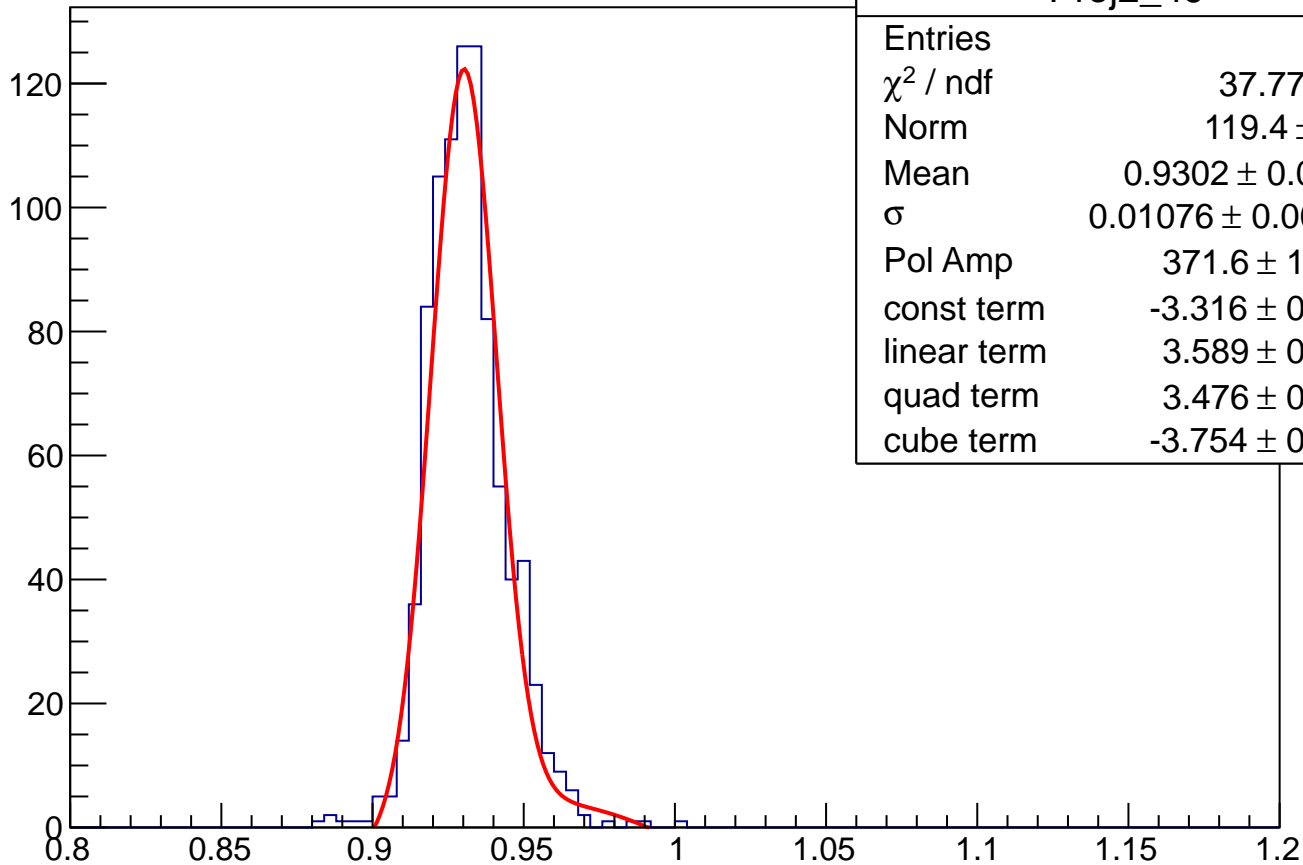
PhiThetaMassPim



Proj2_48

Entries	874
χ^2 / ndf	22 / 12
Norm	115.9 ± 5.5
Mean	0.9305 ± 0.0004
σ	0.01093 ± 0.00054
Pol Amp	364.7 ± 0.6
const term	-0.6214 ± 0.1308
linear term	0.6647 ± 0.1154
quad term	0.6623 ± 0.1252
cube term	-0.6991 ± 0.1154

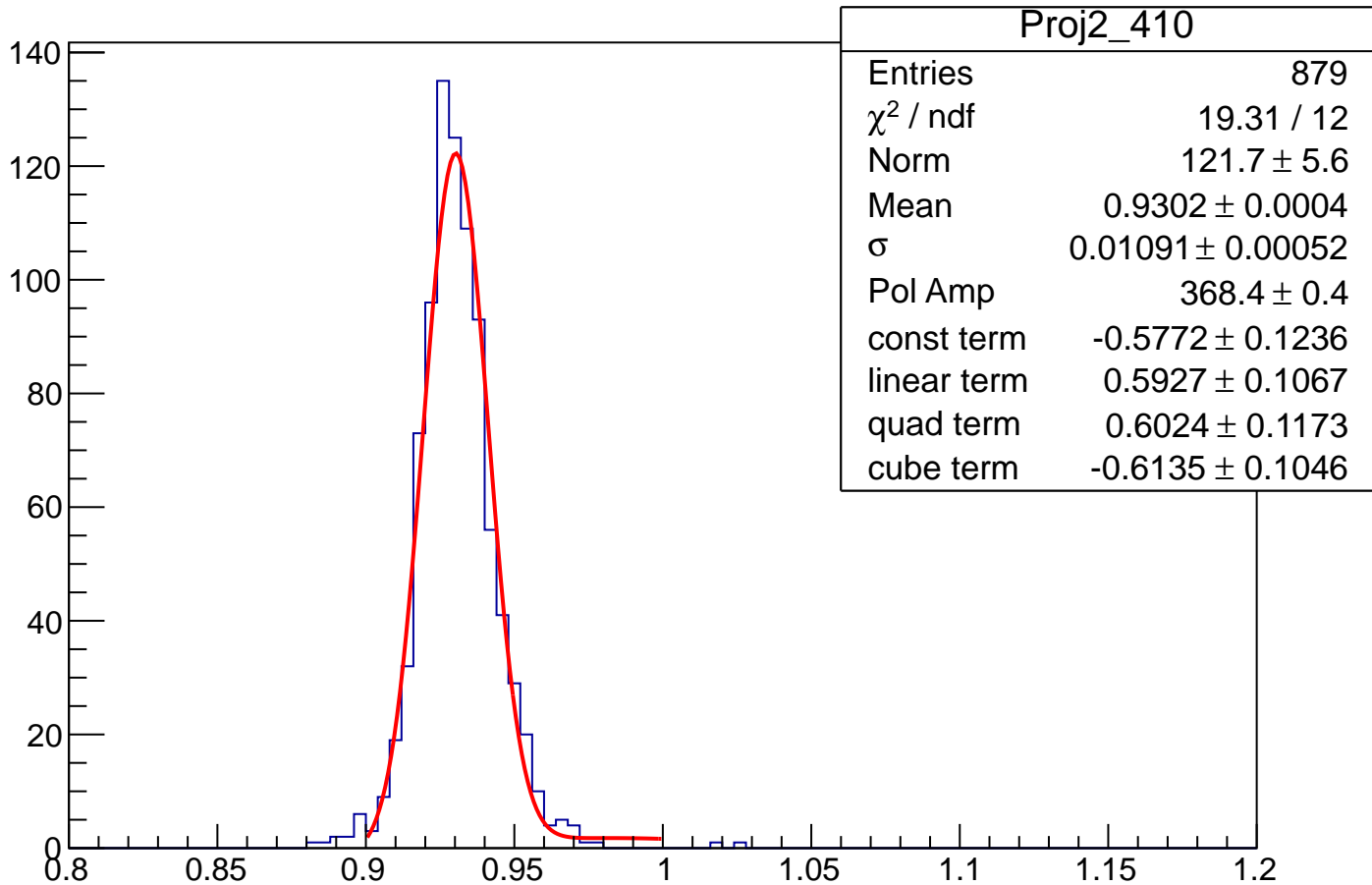
PhiThetaMassPim



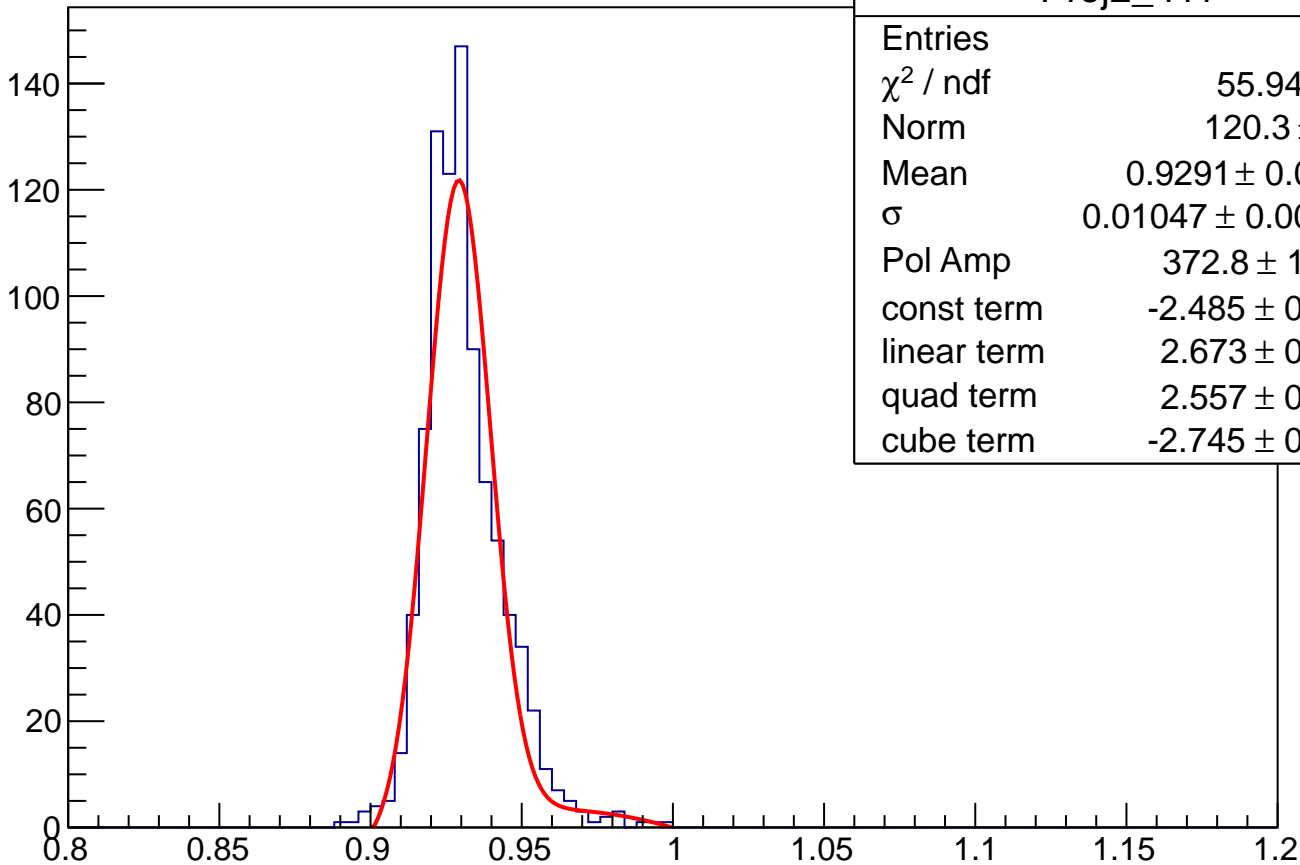
Proj2_49

Entries	894
χ^2 / ndf	37.77 / 13
Norm	119.4 ± 5.7
Mean	0.9302 ± 0.0005
σ	0.01076 ± 0.00041
Pol Amp	371.6 ± 123.4
const term	-3.316 ± 0.015
linear term	3.589 ± 0.016
quad term	3.476 ± 0.017
cube term	-3.754 ± 0.016

PhiThetaMassPim



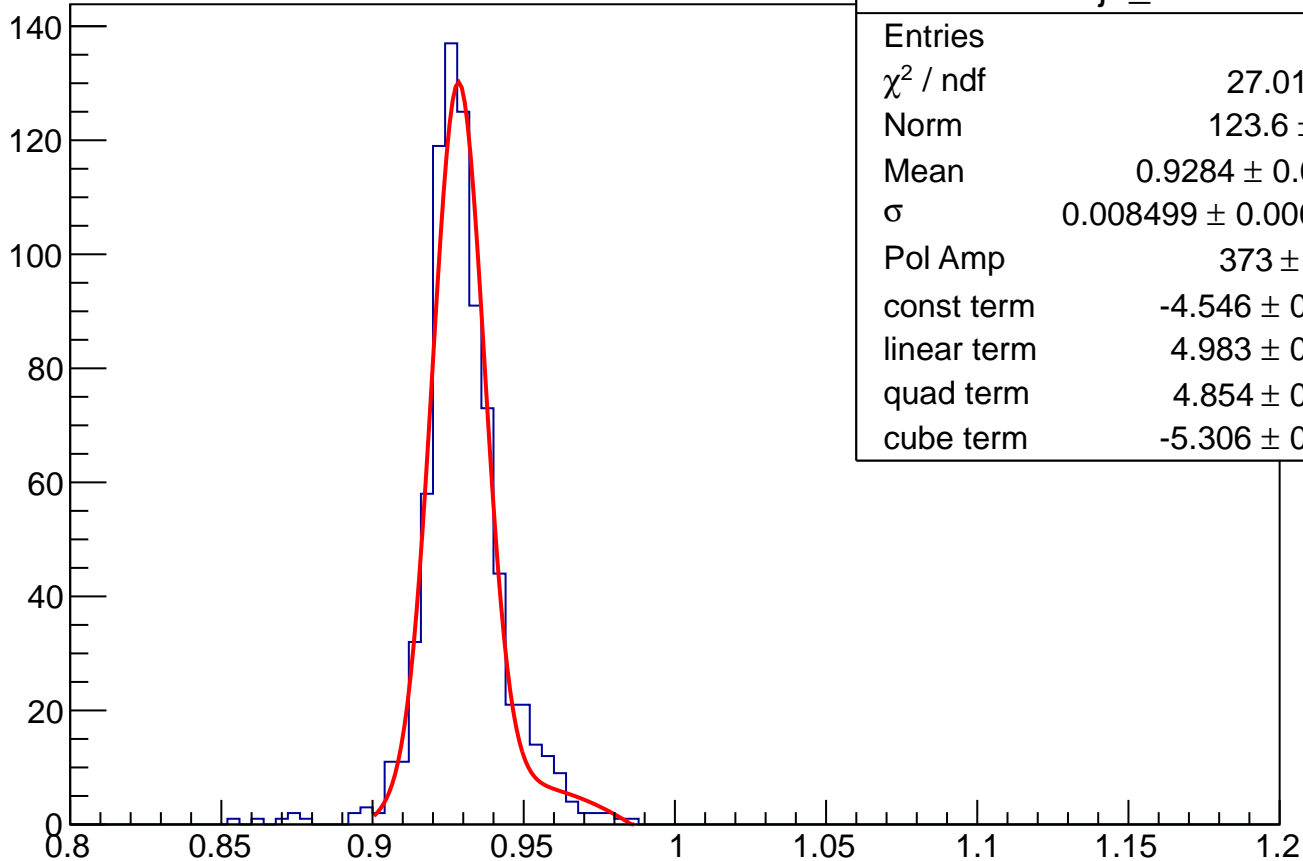
PhiThetaMassPim



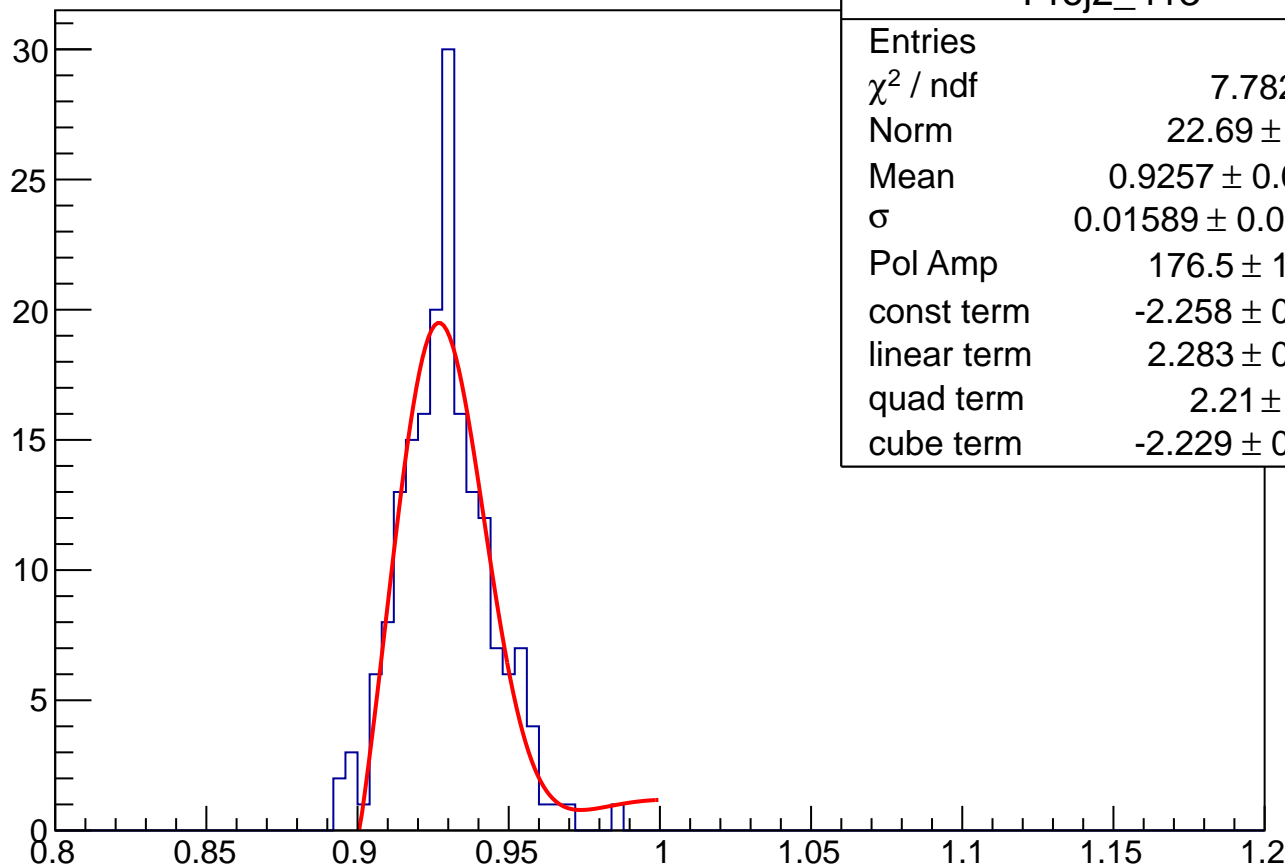
Proj2_411

Entries	884
χ^2 / ndf	55.94 / 16
Norm	120.3 ± 6.1
Mean	0.9291 ± 0.0005
σ	0.01047 ± 0.00045
Pol Amp	372.8 ± 110.9
const term	-2.485 ± 0.013
linear term	2.673 ± 0.014
quad term	2.557 ± 0.014
cube term	-2.745 ± 0.014

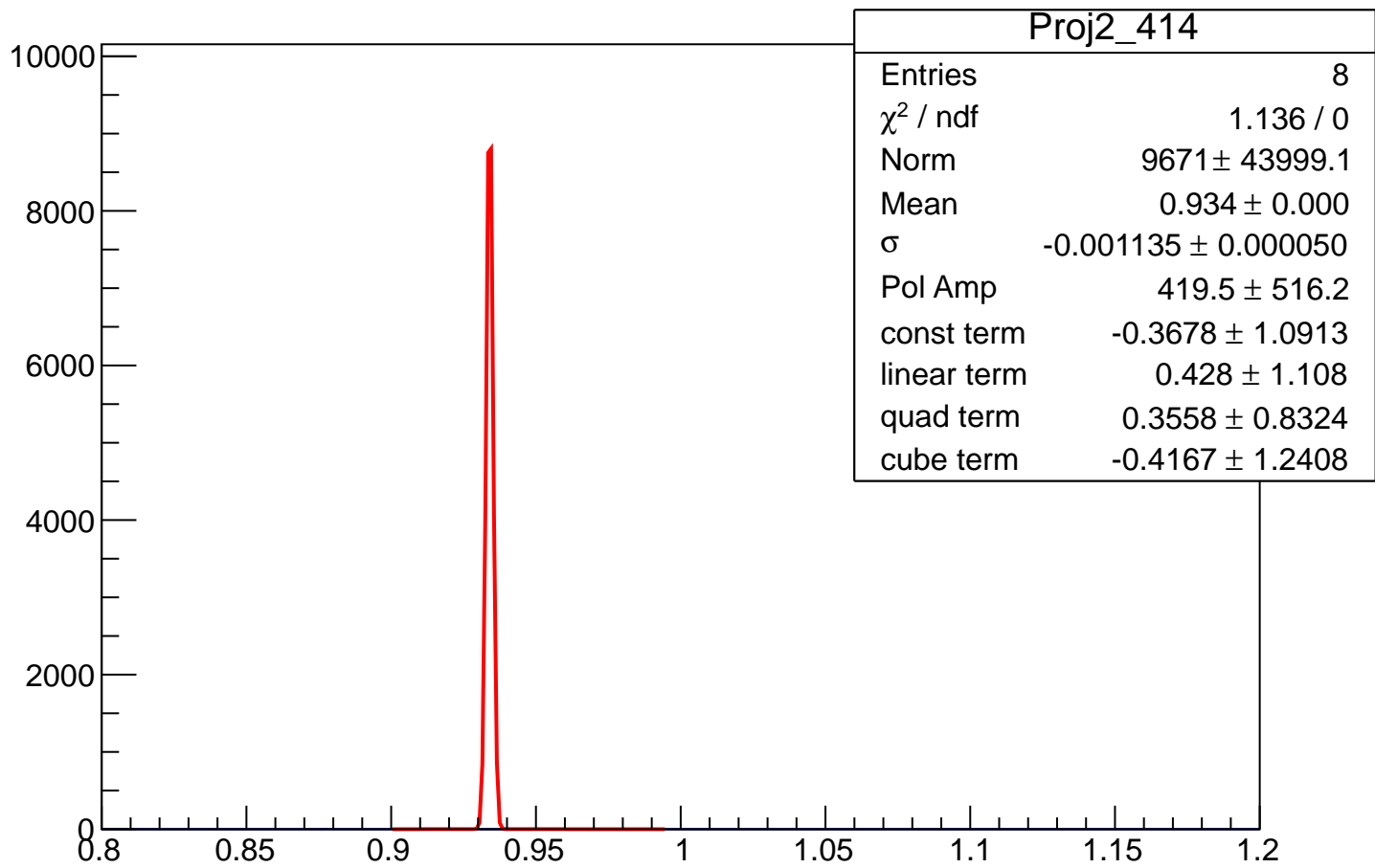
PhiThetaMassPim



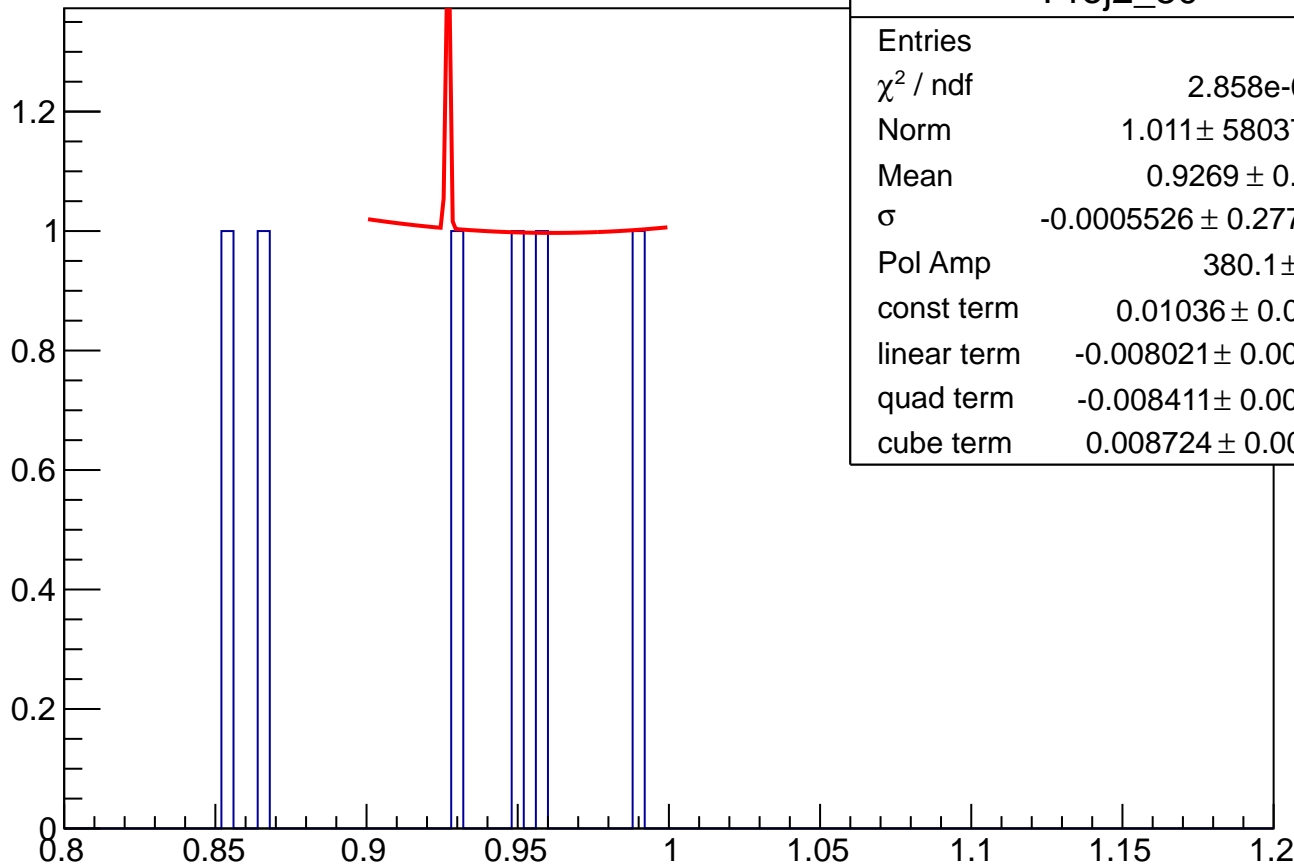
PhiThetaMassPim



PhiThetaMassPim



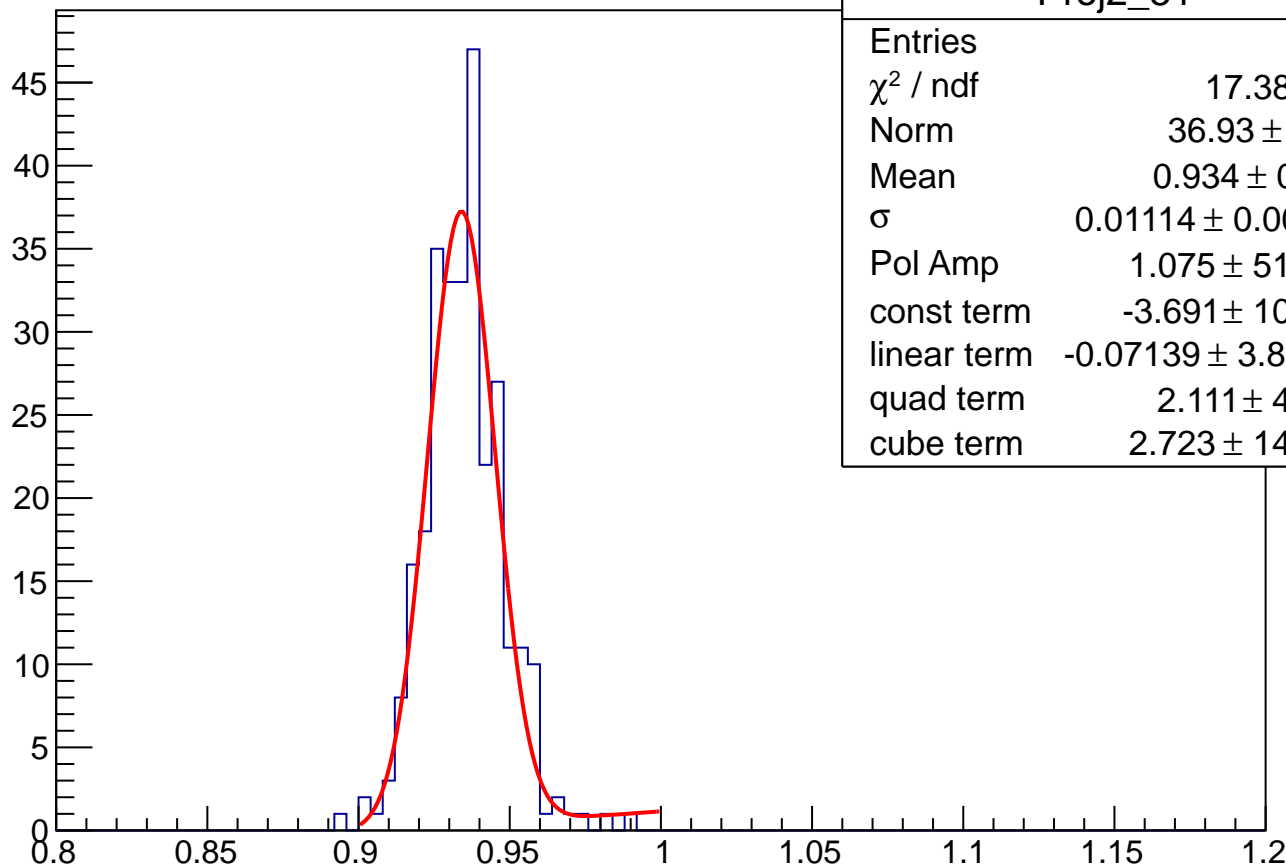
PhiThetaMassPim



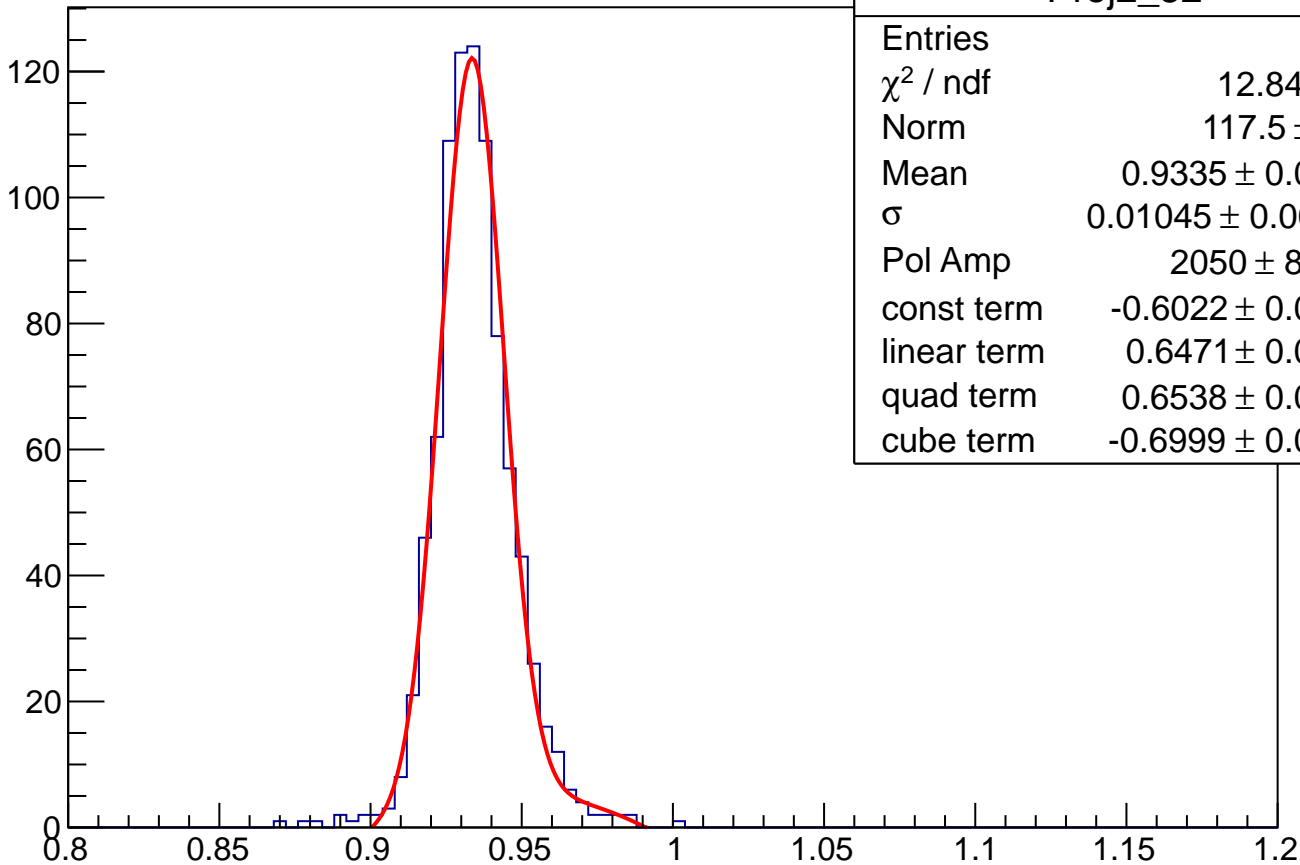
Proj2_50

Entries	6
χ^2 / ndf	2.858e-05 / 0
Norm	1.011 ± 58037.840
Mean	0.9269 ± 0.0717
σ	-0.0005526 ± 0.2779471
Pol Amp	380.1 ± 28.2
const term	0.01036 ± 0.00019
linear term	-0.008021 ± 0.000204
quad term	-0.008411 ± 0.000212
cube term	0.008724 ± 0.000221

PhiThetaMassPim



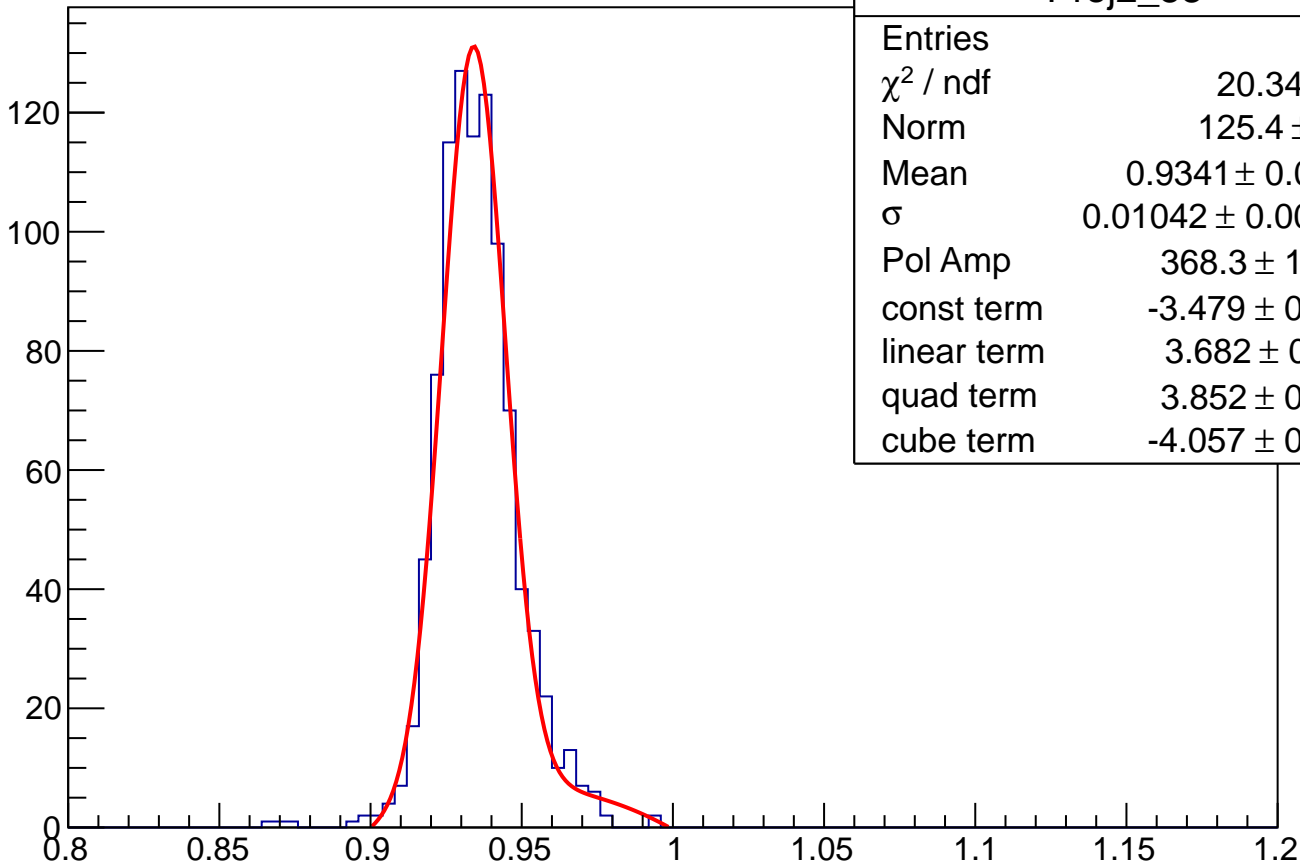
PhiThetaMassPim



Proj2_52

Entries	866
χ^2 / ndf	12.84 / 14
Norm	117.5 ± 5.7
Mean	0.9335 ± 0.0005
σ	0.01045 ± 0.00041
Pol Amp	2050 ± 865.6
const term	-0.6022 ± 0.0028
linear term	0.6471 ± 0.0032
quad term	0.6538 ± 0.0033
cube term	-0.6999 ± 0.0032

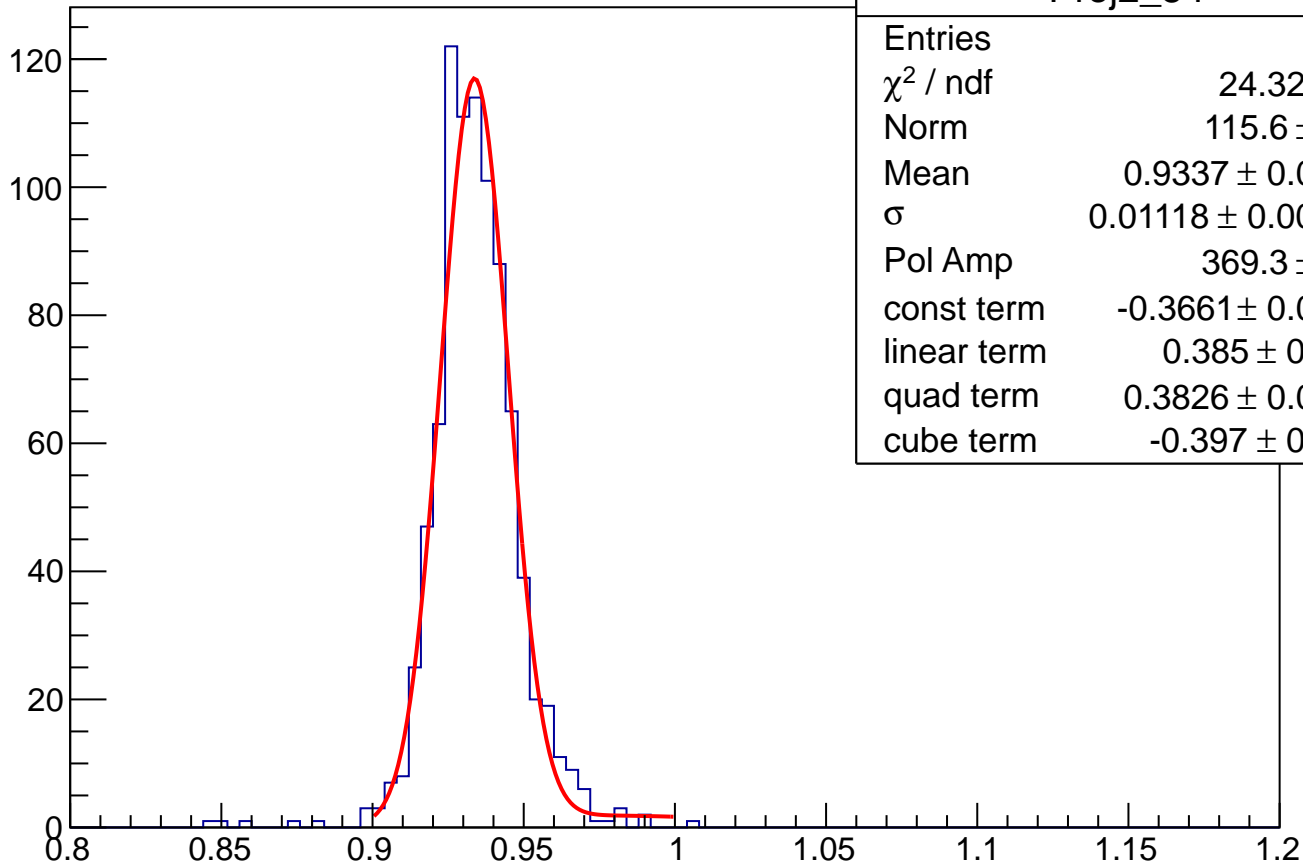
PhiThetaMassPim



Proj2_53

Entries	941
χ^2 / ndf	20.34 / 13
Norm	125.4 ± 5.8
Mean	0.9341 ± 0.0004
σ	0.01042 ± 0.00039
Pol Amp	368.3 ± 122.0
const term	-3.479 ± 0.017
linear term	3.682 ± 0.021
quad term	3.852 ± 0.022
cube term	-4.057 ± 0.020

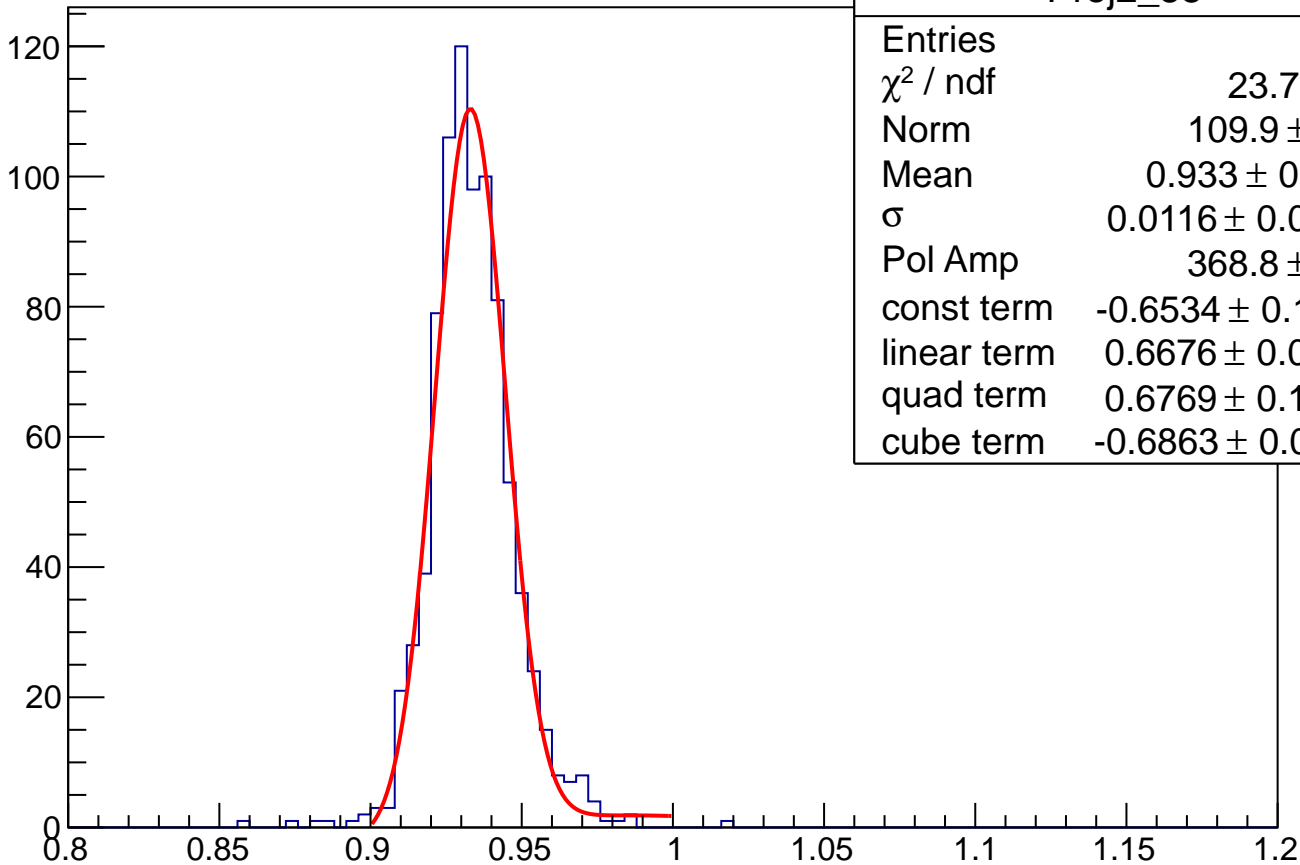
PhiThetaMassPim



Proj2_54

Entries	874
χ^2 / ndf	24.32 / 14
Norm	115.6 ± 5.2
Mean	0.9337 ± 0.0004
σ	0.01118 ± 0.00046
Pol Amp	369.3 ± 0.3
const term	-0.3661 ± 0.0687
linear term	0.385 ± 0.057
quad term	0.3826 ± 0.0626
cube term	-0.397 ± 0.056

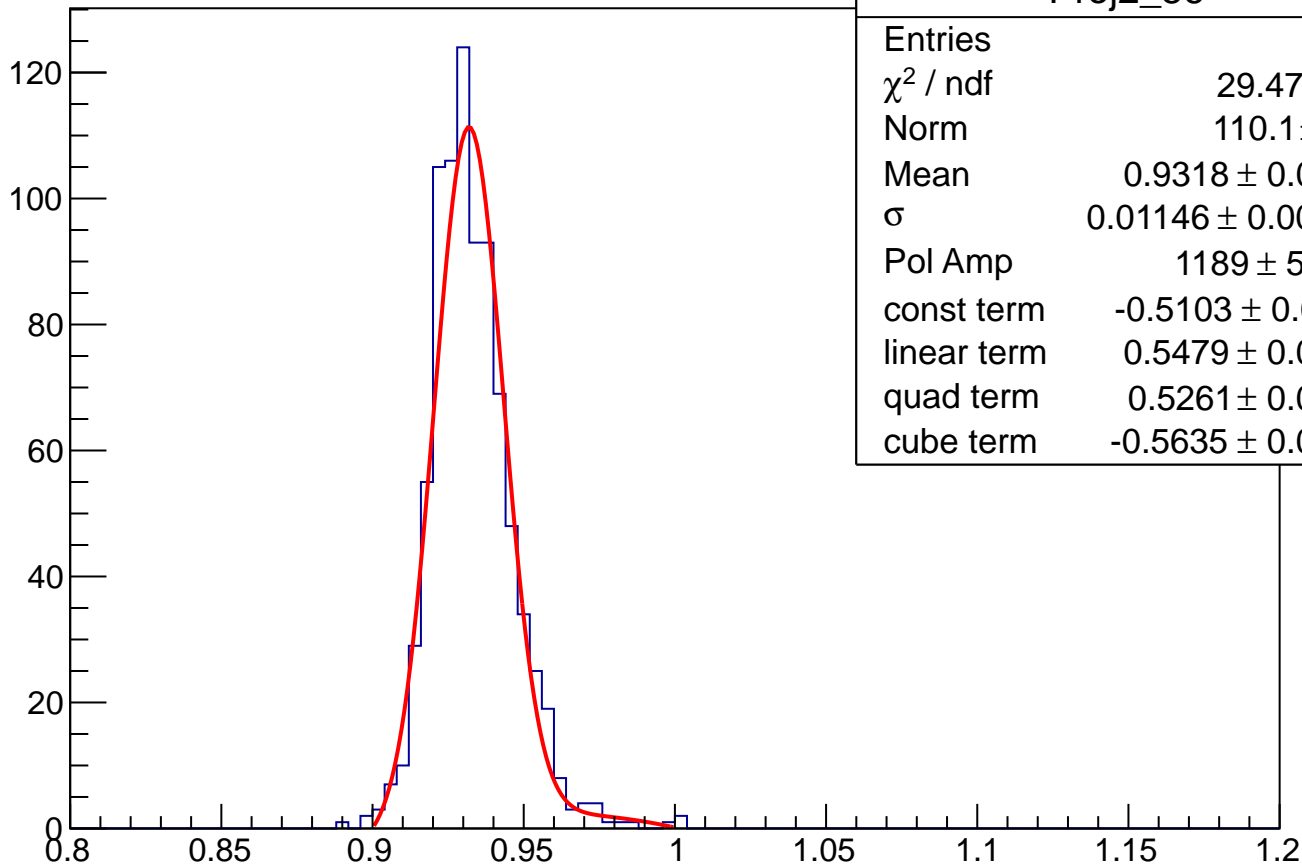
PhiThetaMassPim



Proj2_55

Entries	846
χ^2 / ndf	23.7 / 14
Norm	109.9 ± 5.0
Mean	0.933 ± 0.000
σ	0.0116 ± 0.0005
Pol Amp	368.8 ± 0.4
const term	-0.6534 ± 0.1123
linear term	0.6676 ± 0.0995
quad term	0.6769 ± 0.1075
cube term	-0.6863 ± 0.0979

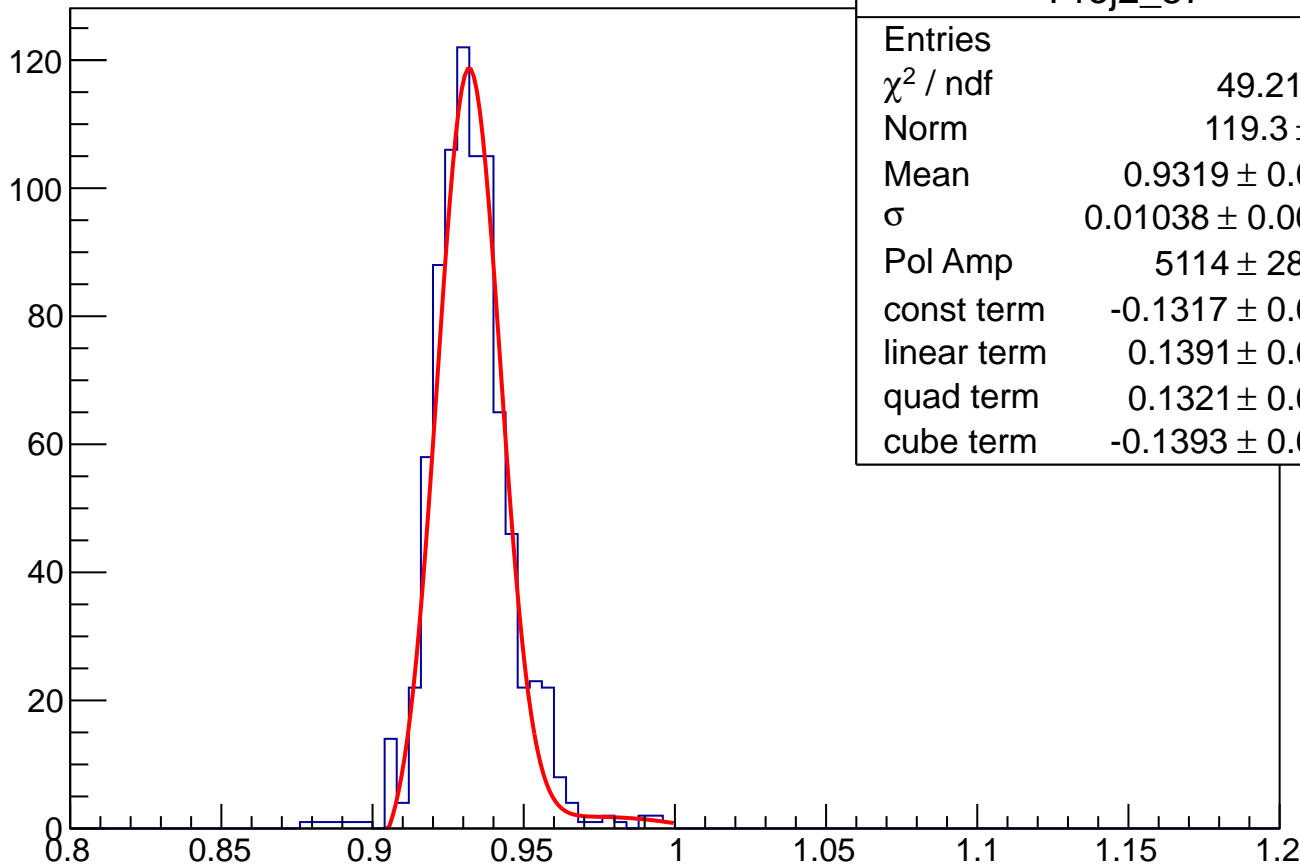
PhiThetaMassPim



Proj2_56

Entries	848
χ^2 / ndf	29.47 / 15
Norm	110.1 ± 5.1
Mean	0.9318 ± 0.0005
σ	0.01146 ± 0.00042
Pol Amp	1189 ± 547.9
const term	-0.5103 ± 0.0041
linear term	0.5479 ± 0.0045
quad term	0.5261 ± 0.0046
cube term	-0.5635 ± 0.0045

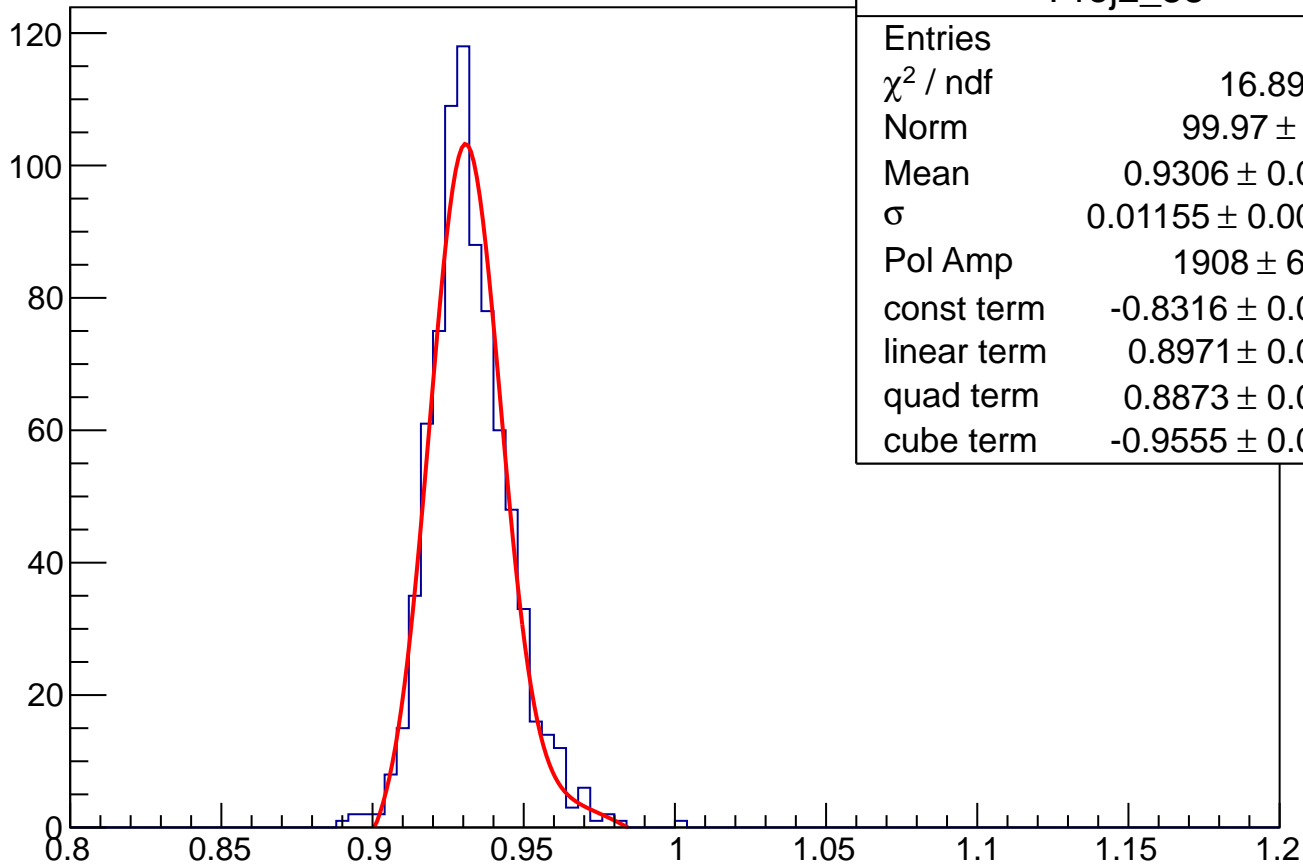
PhiThetaMassPim



Proj2_57

Entries	830
χ^2 / ndf	49.21 / 15
Norm	119.3 ± 5.6
Mean	0.9319 ± 0.0005
σ	0.01038 ± 0.00045
Pol Amp	5114 ± 2829.0
const term	-0.1317 ± 0.0009
linear term	0.1391 ± 0.0010
quad term	0.1321 ± 0.0010
cube term	-0.1393 ± 0.0010

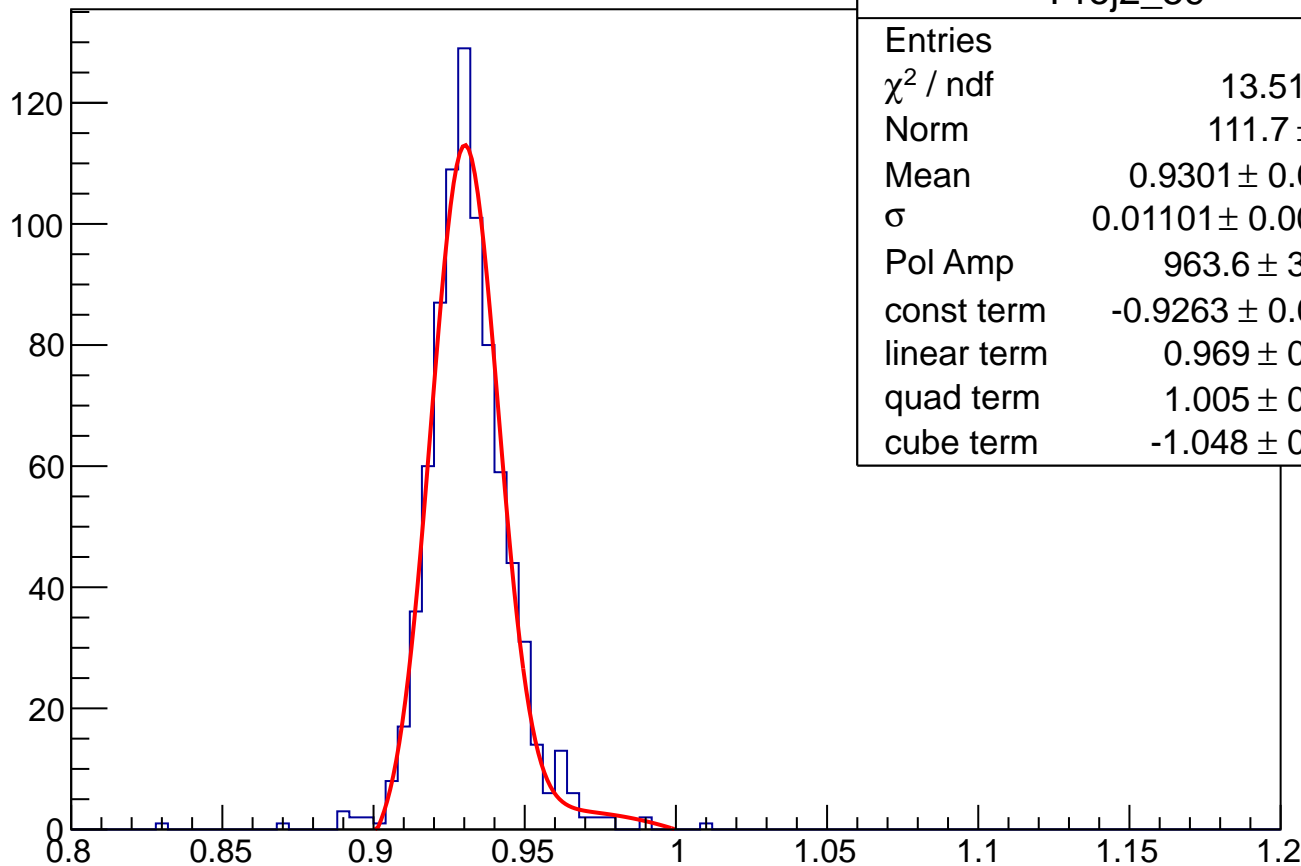
PhiThetaMassPim



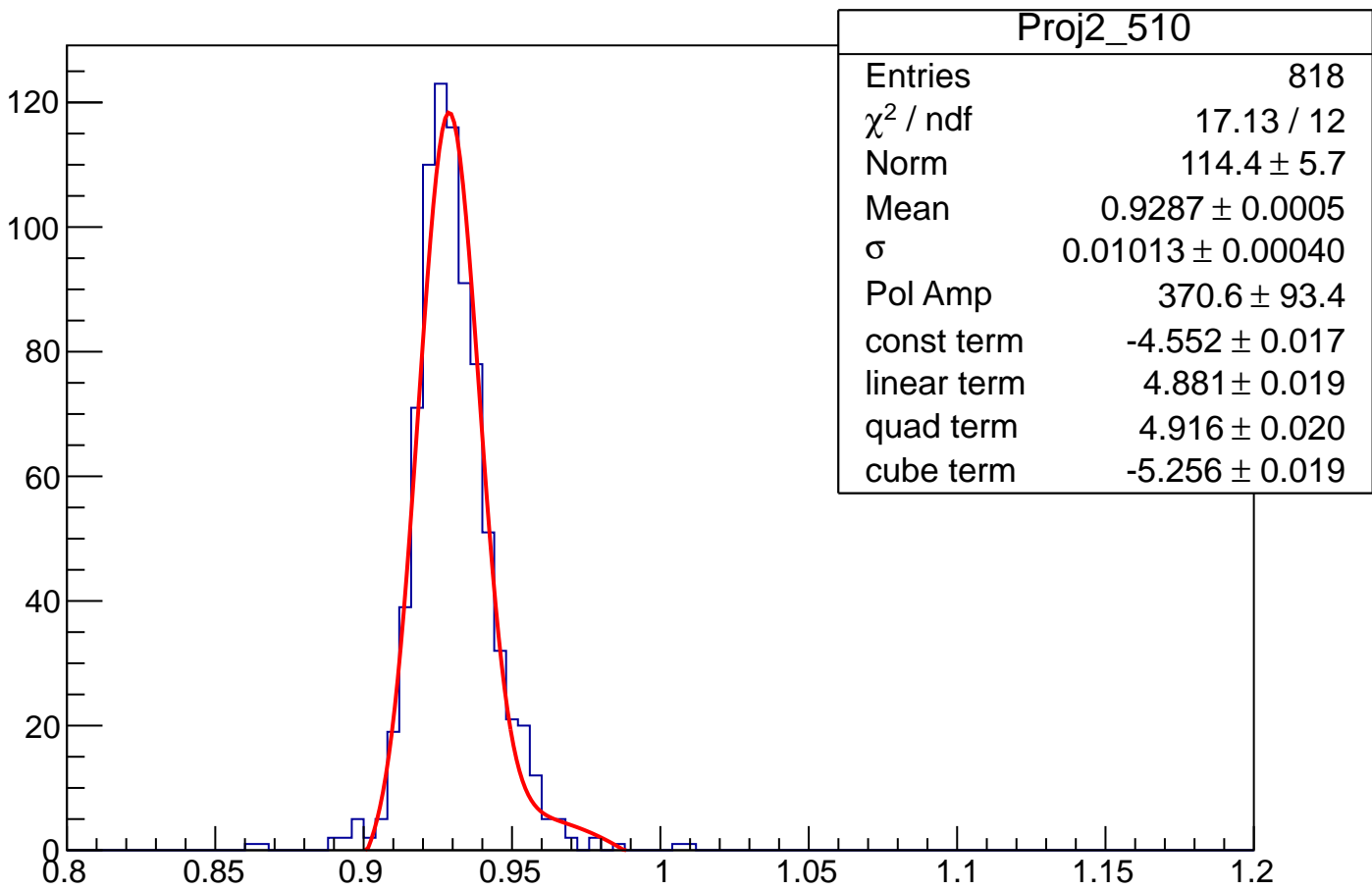
Proj2_58

Entries	791
χ^2 / ndf	16.89 / 13
Norm	99.97 ± 4.95
Mean	0.9306 ± 0.0006
σ	0.01155 ± 0.00044
Pol Amp	1908 ± 630.4
const term	-0.8316 ± 0.0032
linear term	0.8971 ± 0.0034
quad term	0.8873 ± 0.0035
cube term	-0.9555 ± 0.0035

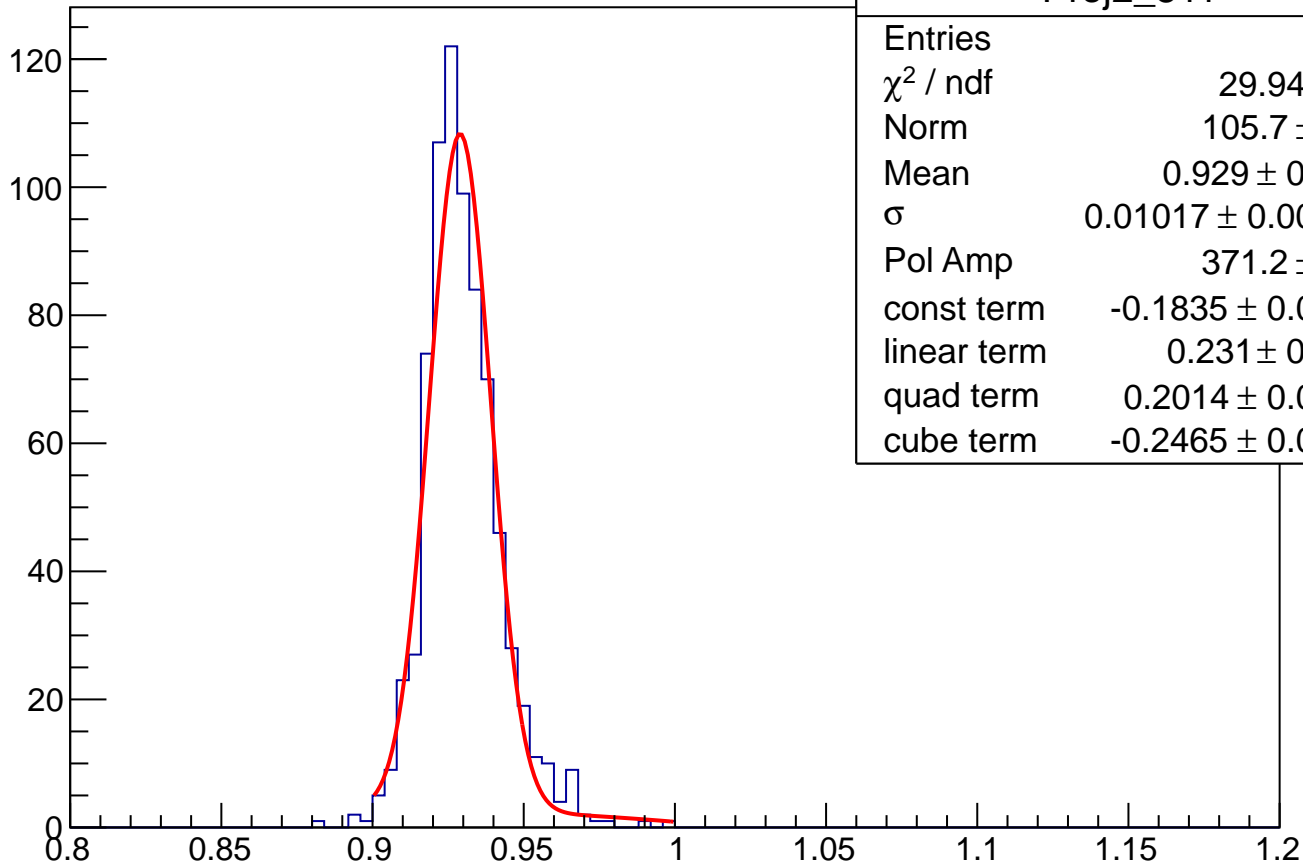
PhiThetaMassPim



PhiThetaMassPim



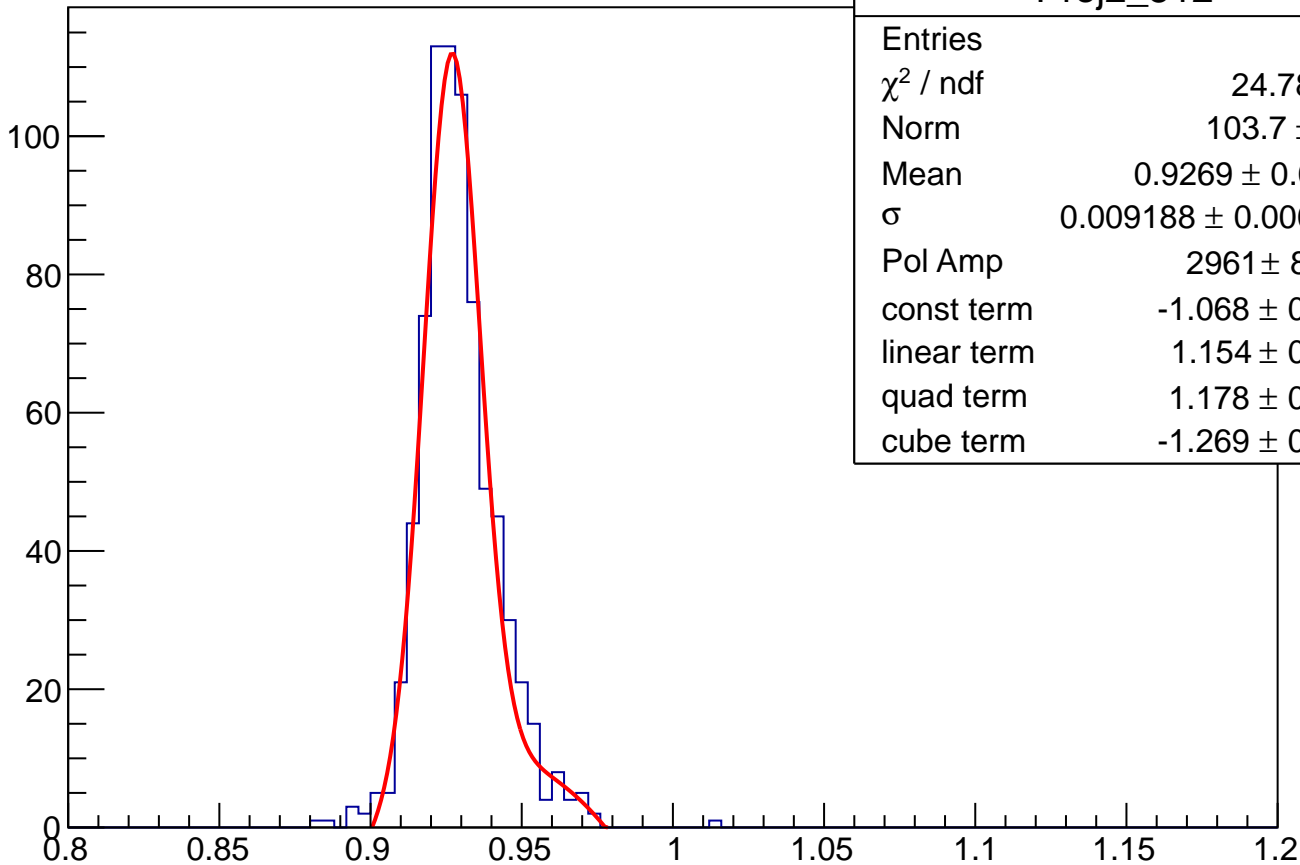
PhiThetaMassPim



Proj2_511

Entries	757
χ^2 / ndf	29.94 / 14
Norm	105.7 ± 5.6
Mean	0.929 ± 0.000
σ	0.01017 ± 0.00052
Pol Amp	371.2 ± 0.3
const term	-0.1835 ± 0.0685
linear term	0.231 ± 0.056
quad term	0.2014 ± 0.0599
cube term	-0.2465 ± 0.0540

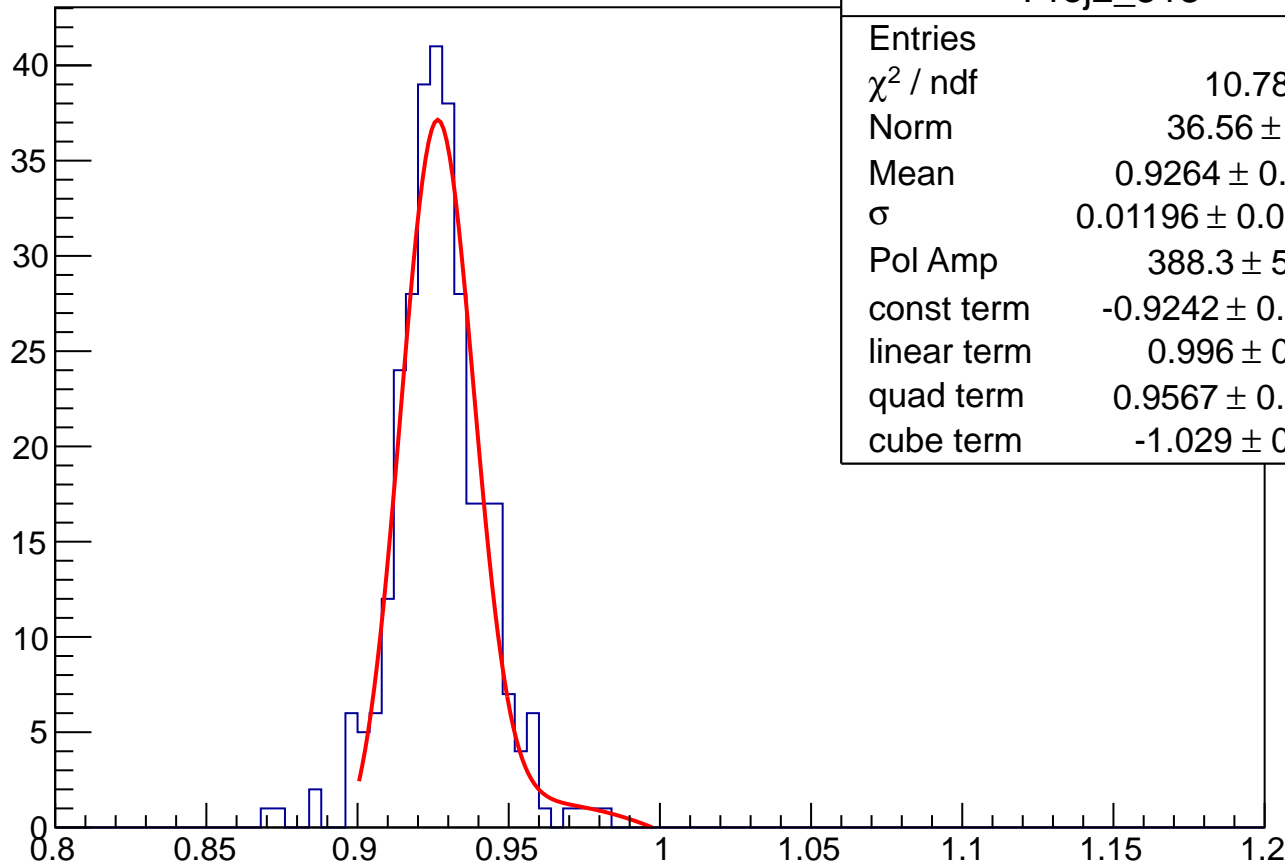
PhiThetaMassPim



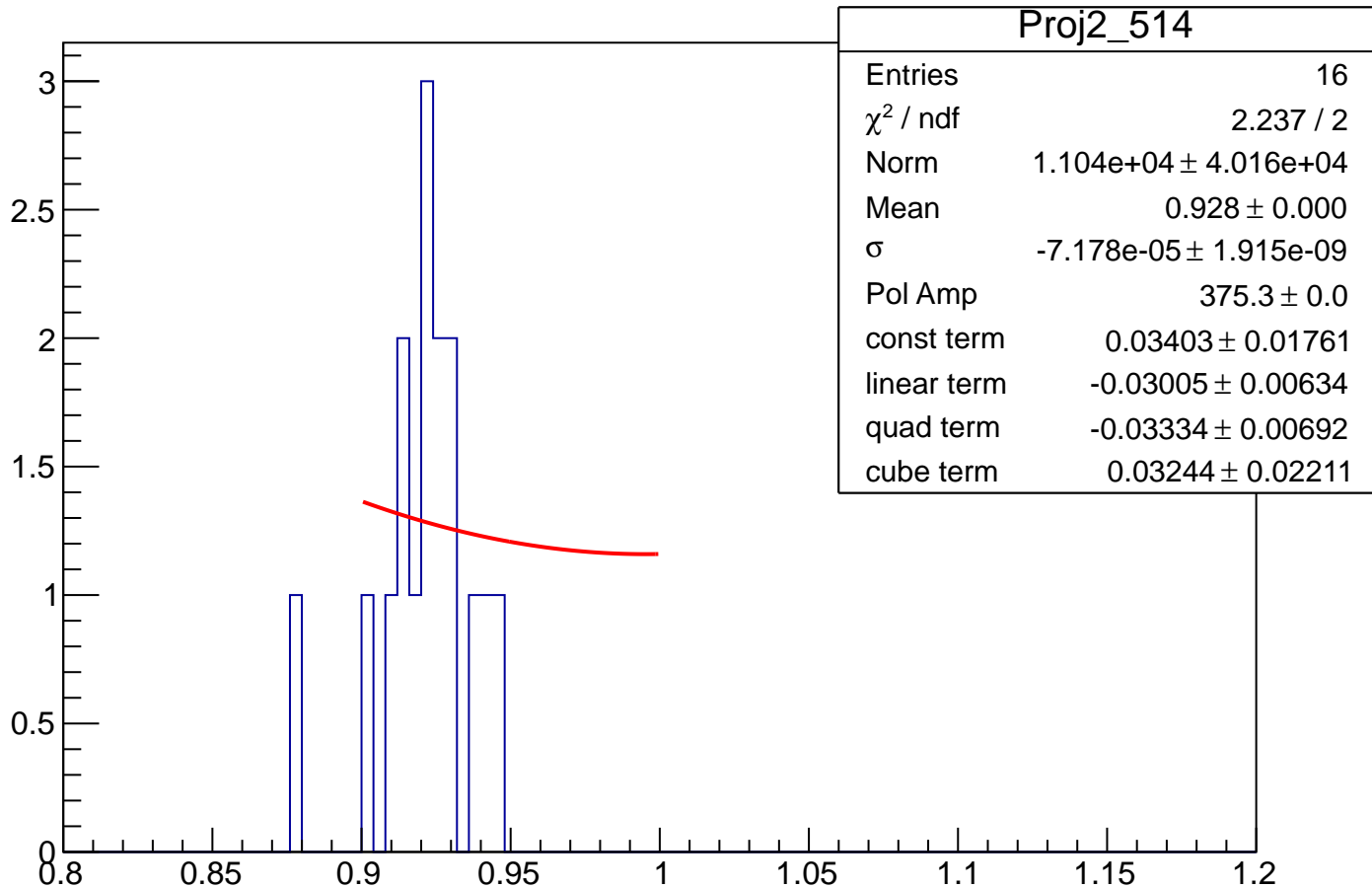
Proj2_512

Entries	748
χ^2 / ndf	24.78 / 11
Norm	103.7 ± 6.0
Mean	0.9269 ± 0.0005
σ	0.009188 ± 0.000466
Pol Amp	2961 ± 812.2
const term	-1.068 ± 0.003
linear term	1.154 ± 0.003
quad term	1.178 ± 0.003
cube term	-1.269 ± 0.003

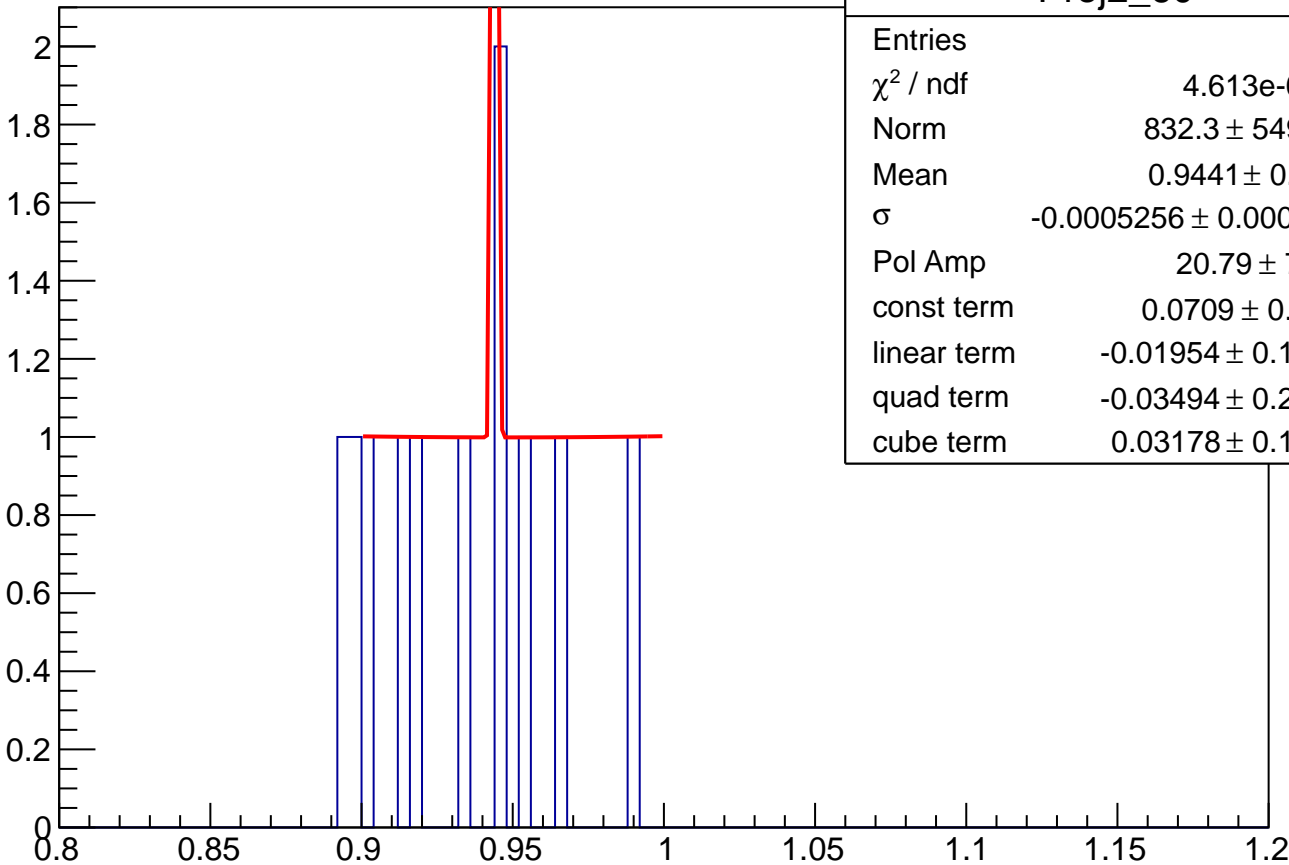
PhiThetaMassPim



PhiThetaMassPim



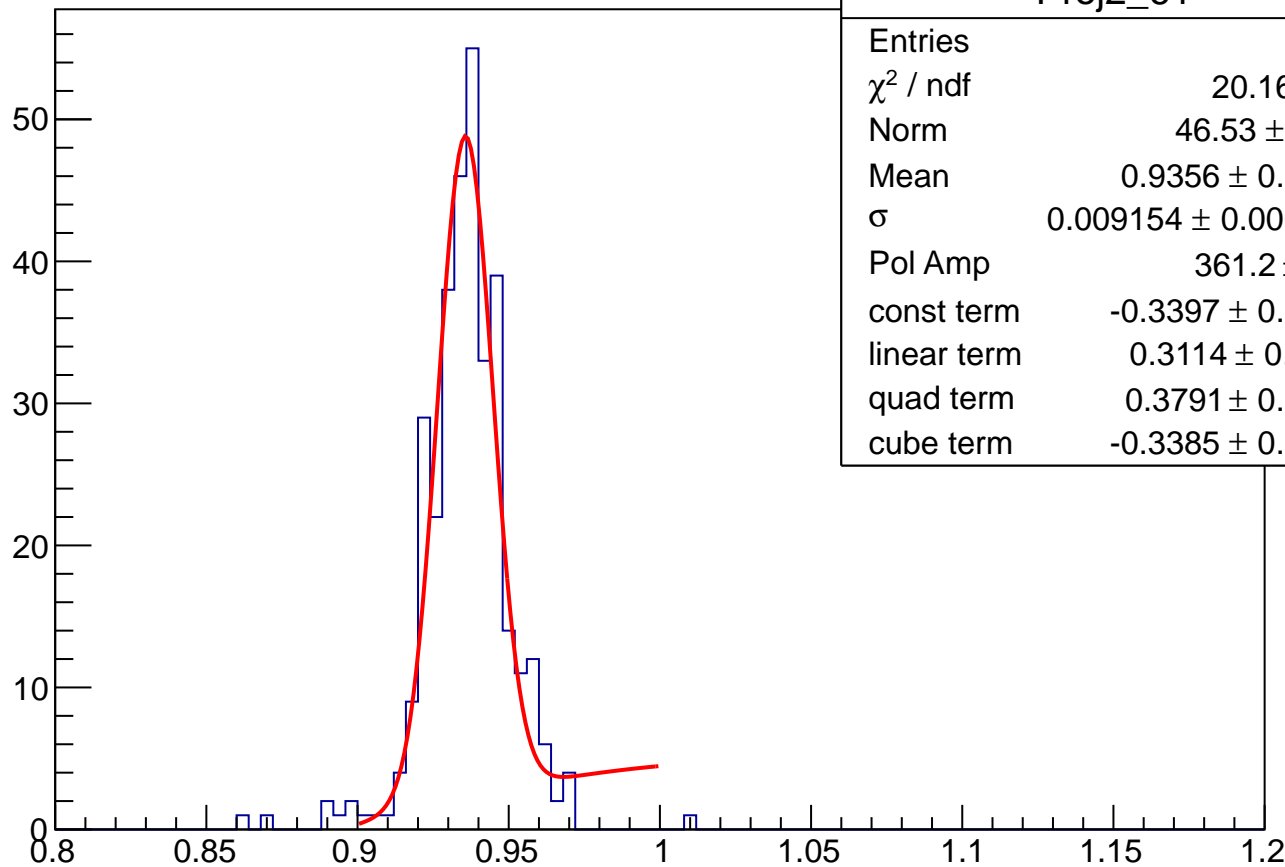
PhiThetaMassPim



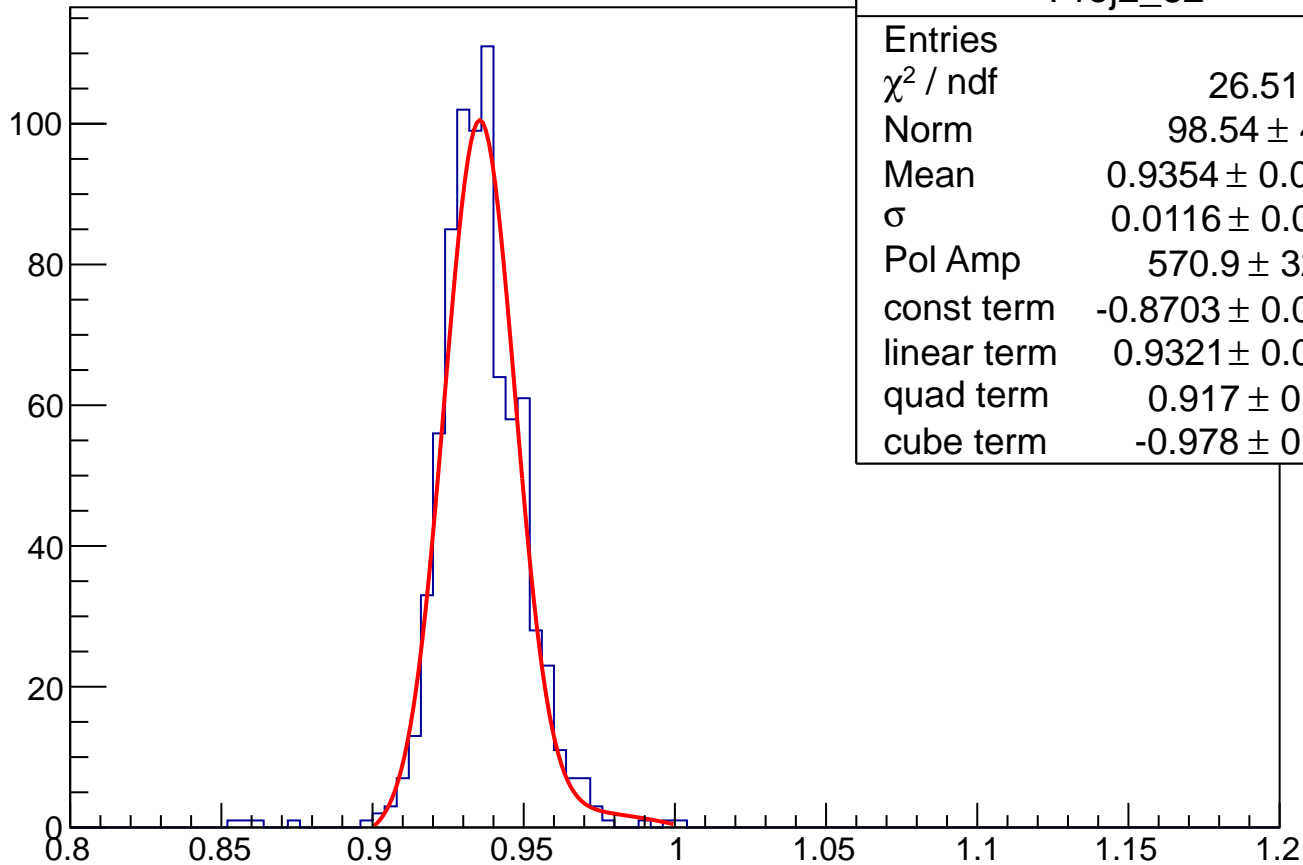
Proj2_60

Entries	11
χ^2 / ndf	4.613e-06 / 0
Norm	832.3 ± 54956.6
Mean	0.9441 ± 0.0022
σ	-0.0005256 ± 0.0005069
Pol Amp	20.79 ± 77.34
const term	0.0709 ± 0.1736
linear term	-0.01954 ± 0.19556
quad term	-0.03494 ± 0.20186
cube term	0.03178 ± 0.18715

PhiThetaMassPim



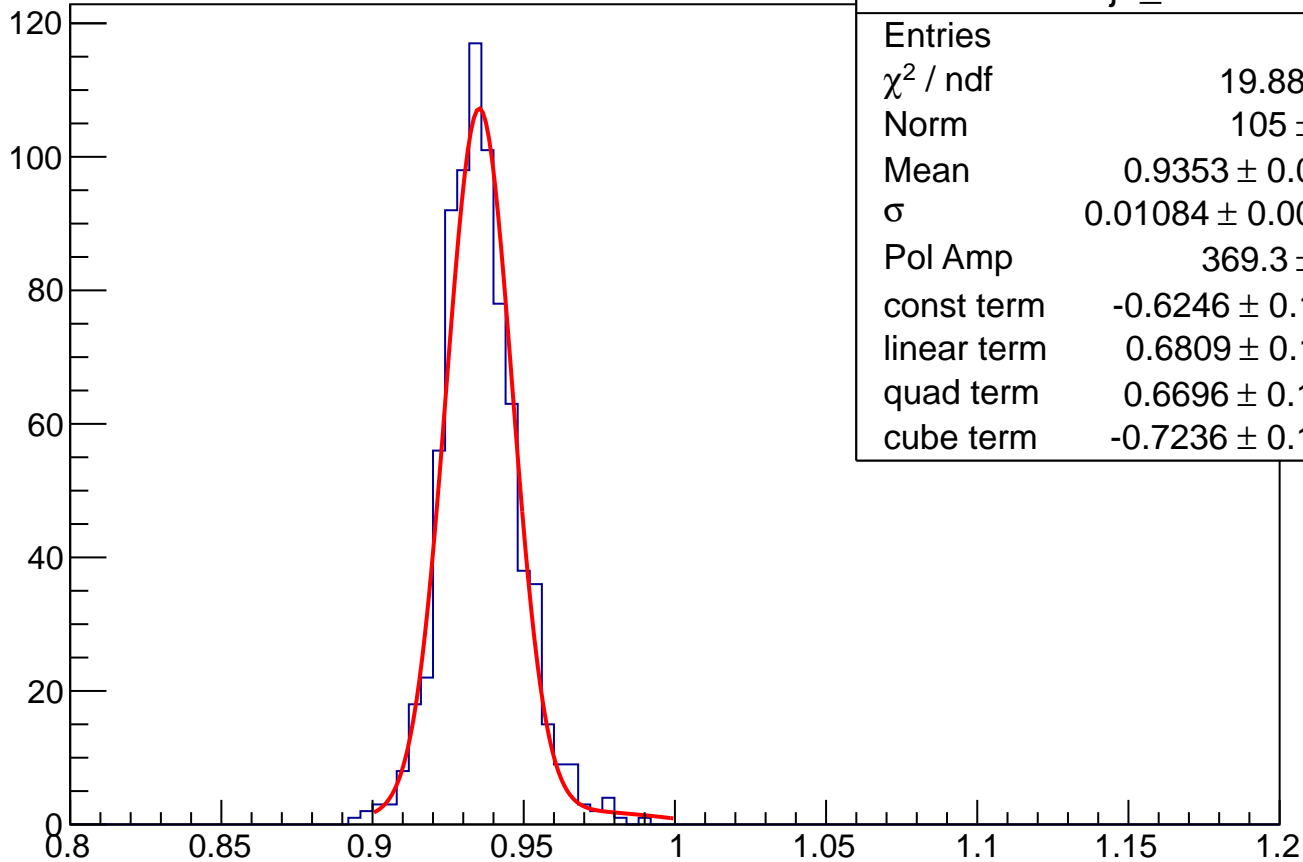
PhiThetaMassPim



Proj2_62

Entries	782
χ^2 / ndf	26.51 / 14
Norm	98.54 ± 4.79
Mean	0.9354 ± 0.0005
σ	0.0116 ± 0.0004
Pol Amp	570.9 ± 324.5
const term	-0.8703 ± 0.0087
linear term	0.9321 ± 0.0098
quad term	0.917 ± 0.010
cube term	-0.978 ± 0.010

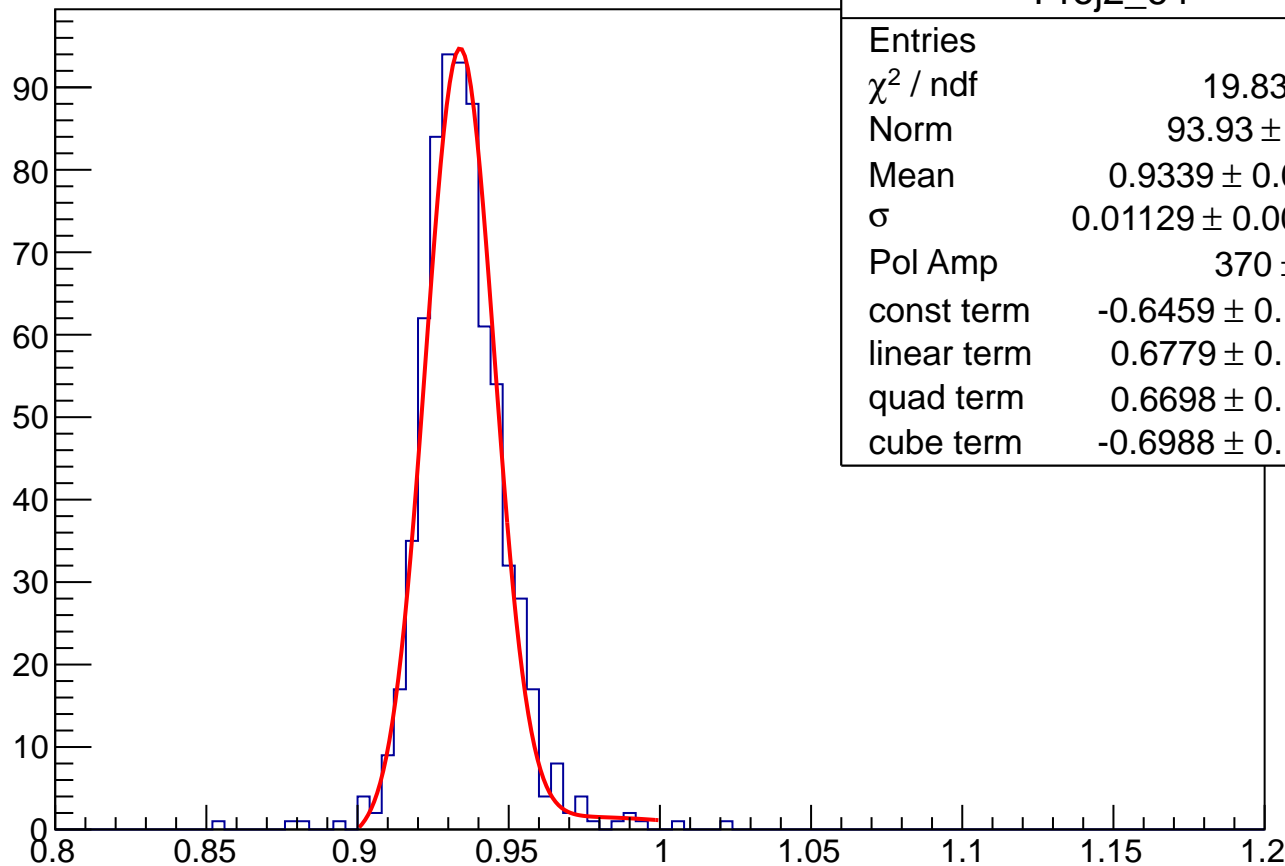
PhiThetaMassPim



Proj2_63

Entries	780
χ^2 / ndf	19.88 / 14
Norm	105 ± 5.2
Mean	0.9353 ± 0.0005
σ	0.01084 ± 0.00045
Pol Amp	369.3 ± 0.3
const term	-0.6246 ± 0.1196
linear term	0.6809 ± 0.1186
quad term	0.6696 ± 0.1215
cube term	-0.7236 ± 0.1225

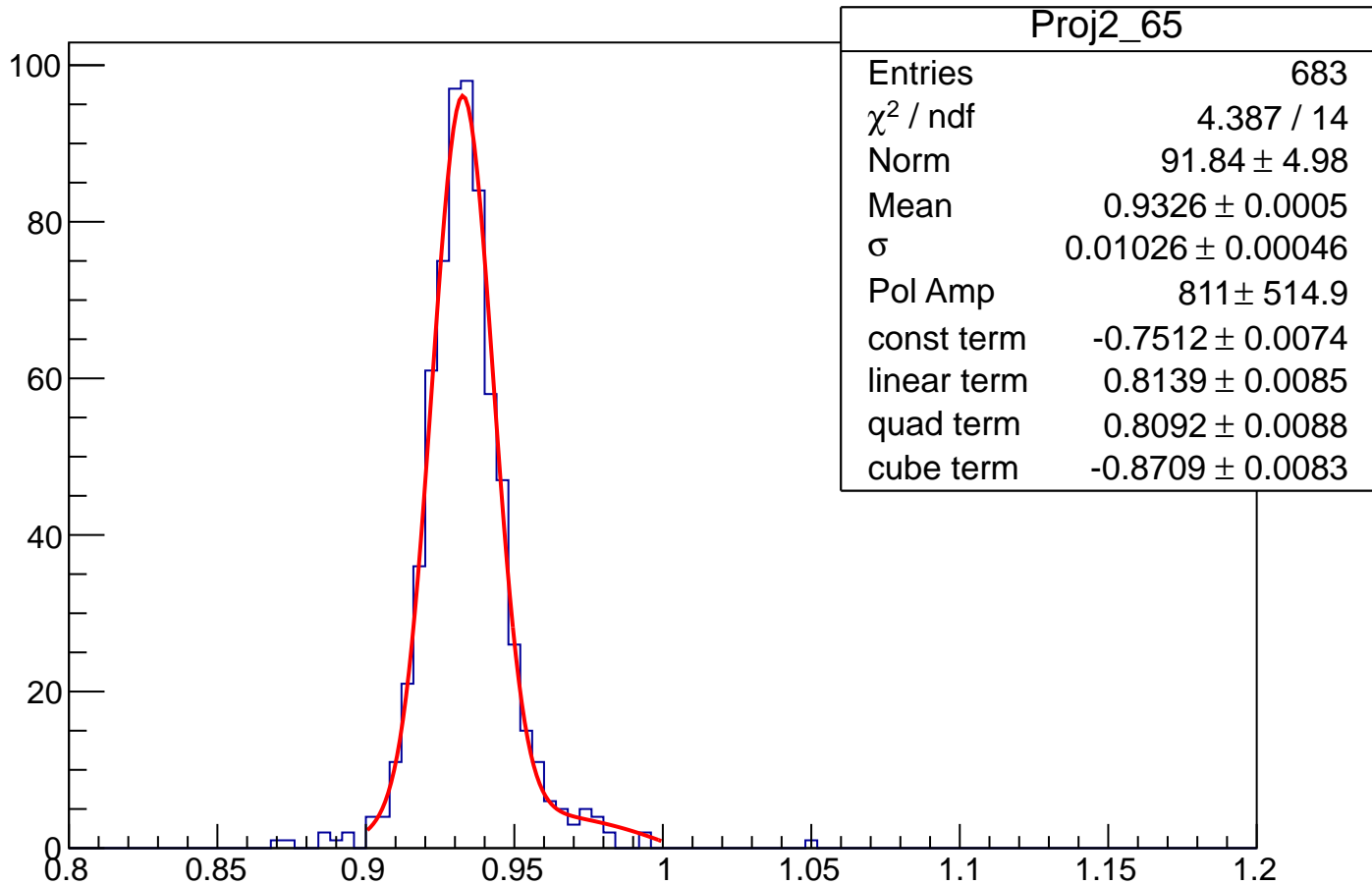
PhiThetaMassPim



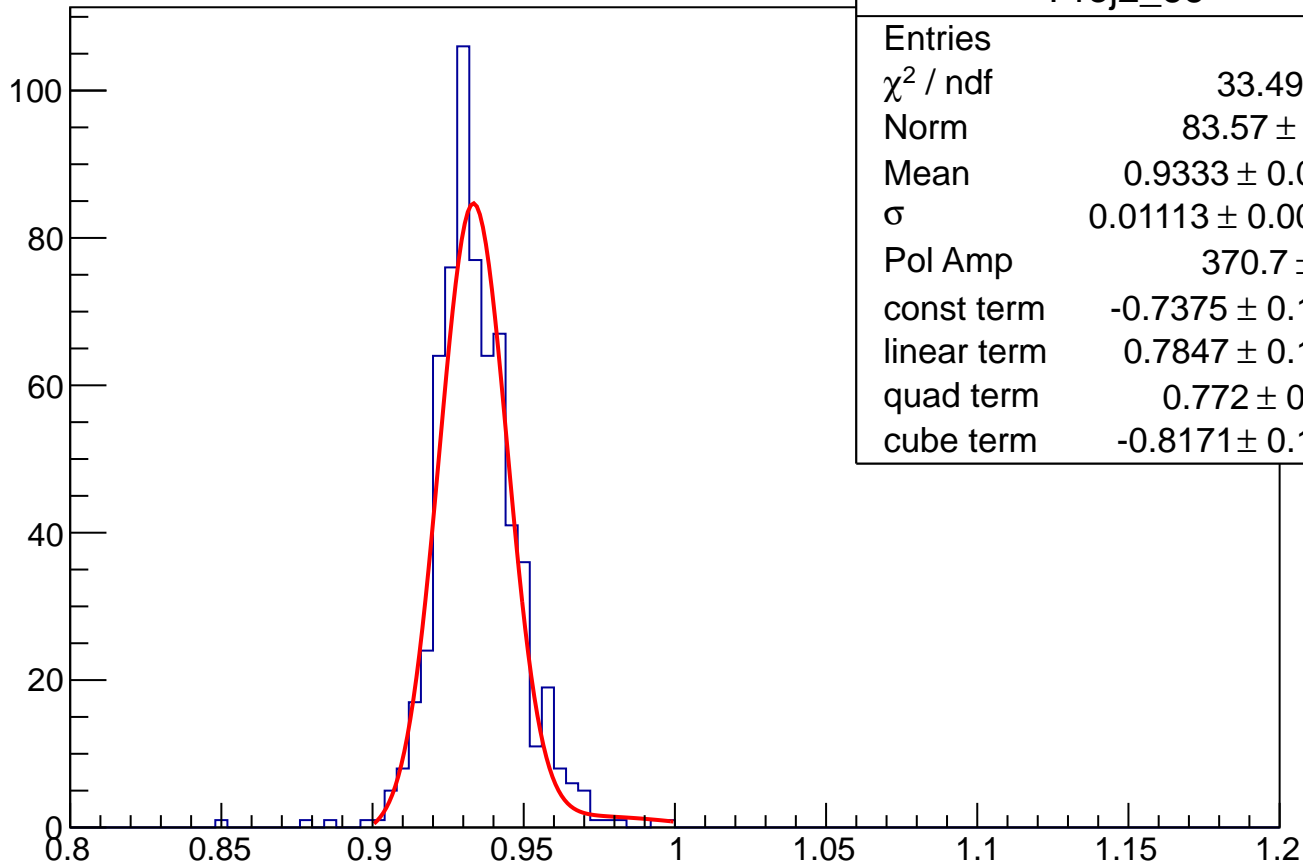
Proj2_64

Entries	709
χ^2 / ndf	19.83 / 15
Norm	93.93 ± 4.62
Mean	0.9339 ± 0.0005
σ	0.01129 ± 0.00046
Pol Amp	370 ± 0.3
const term	-0.6459 ± 0.1188
linear term	0.6779 ± 0.1160
quad term	0.6698 ± 0.1183
cube term	-0.6988 ± 0.1172

PhiThetaMassPim



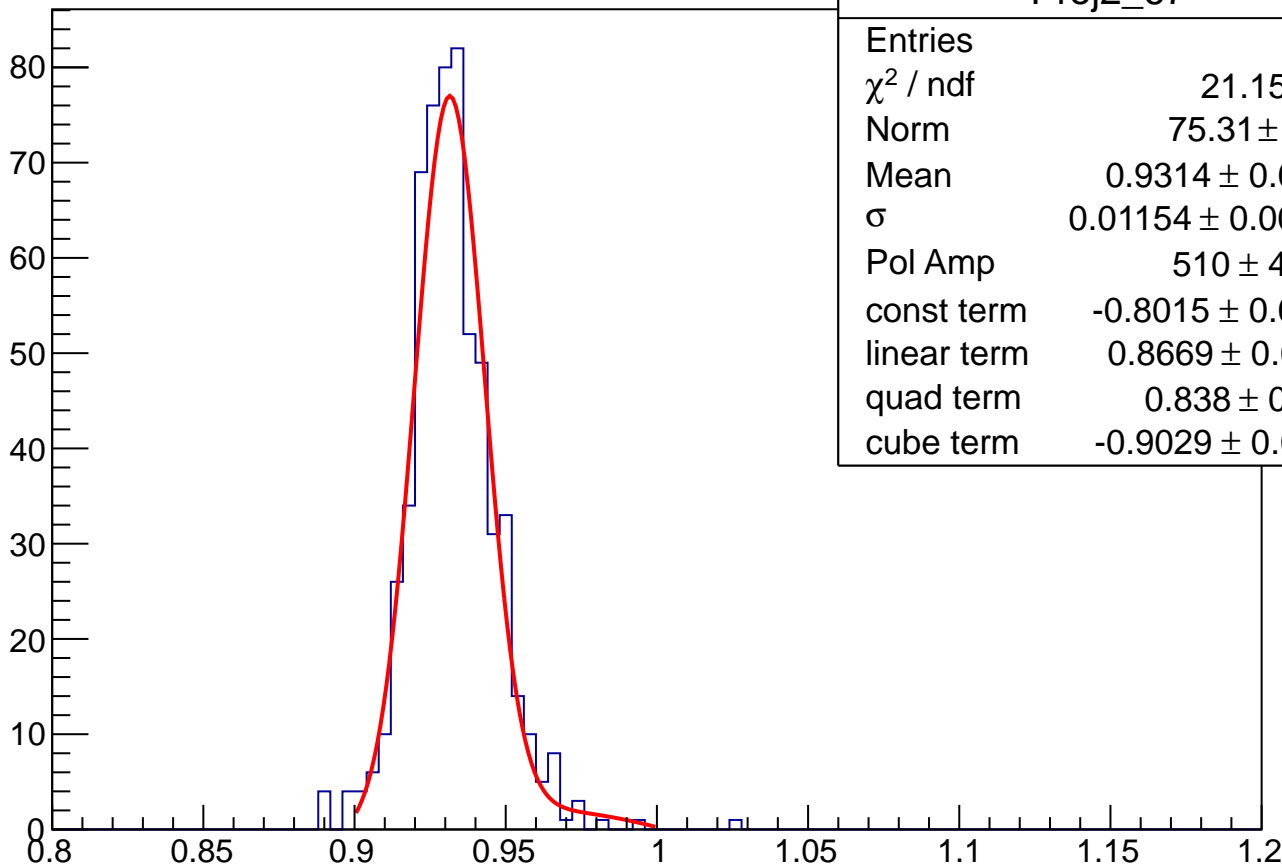
PhiThetaMassPim



Proj2_66

Entries	644
χ^2 / ndf	33.49 / 15
Norm	83.57 ± 4.57
Mean	0.9333 ± 0.0005
σ	0.01113 ± 0.00050
Pol Amp	370.7 ± 0.3
const term	-0.7375 ± 0.1435
linear term	0.7847 ± 0.1462
quad term	0.772 ± 0.146
cube term	-0.8171 ± 0.1502

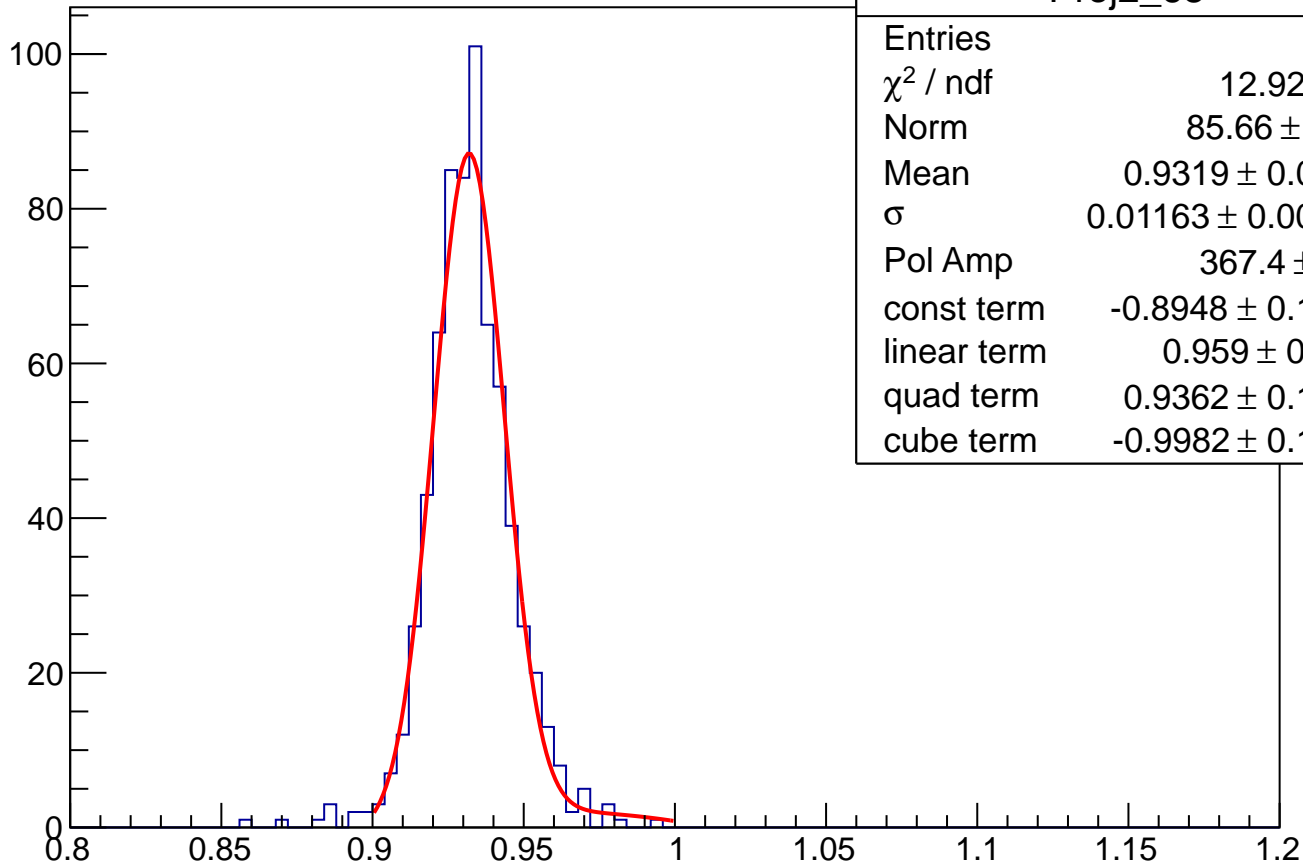
PhiThetaMassPim



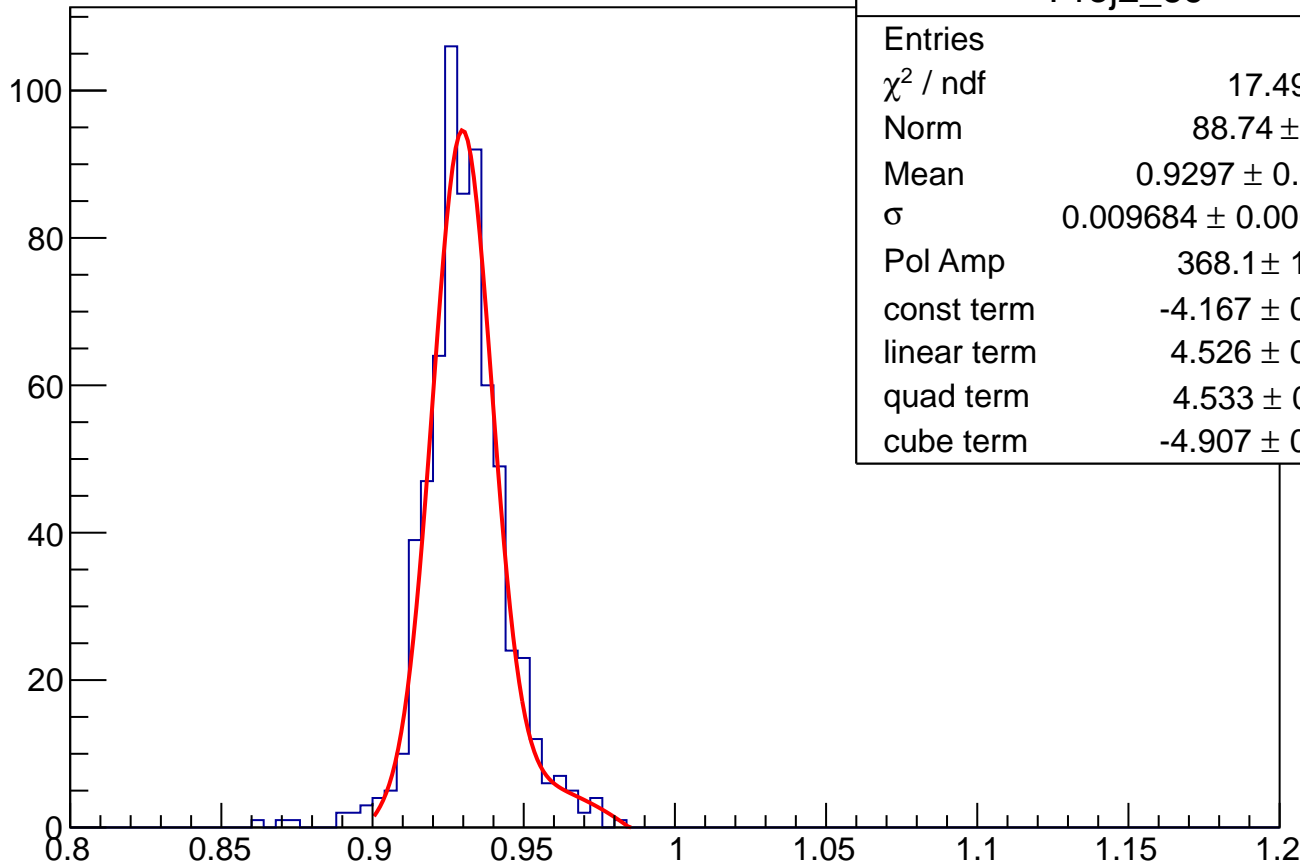
Proj2_67

Entries	604
χ^2 / ndf	21.15 / 13
Norm	75.31 ± 4.26
Mean	0.9314 ± 0.0006
σ	0.01154 ± 0.00054
Pol Amp	510 ± 409.0
const term	-0.8015 ± 0.0104
linear term	0.8669 ± 0.0113
quad term	0.838 ± 0.012
cube term	-0.9029 ± 0.0114

PhiThetaMassPim



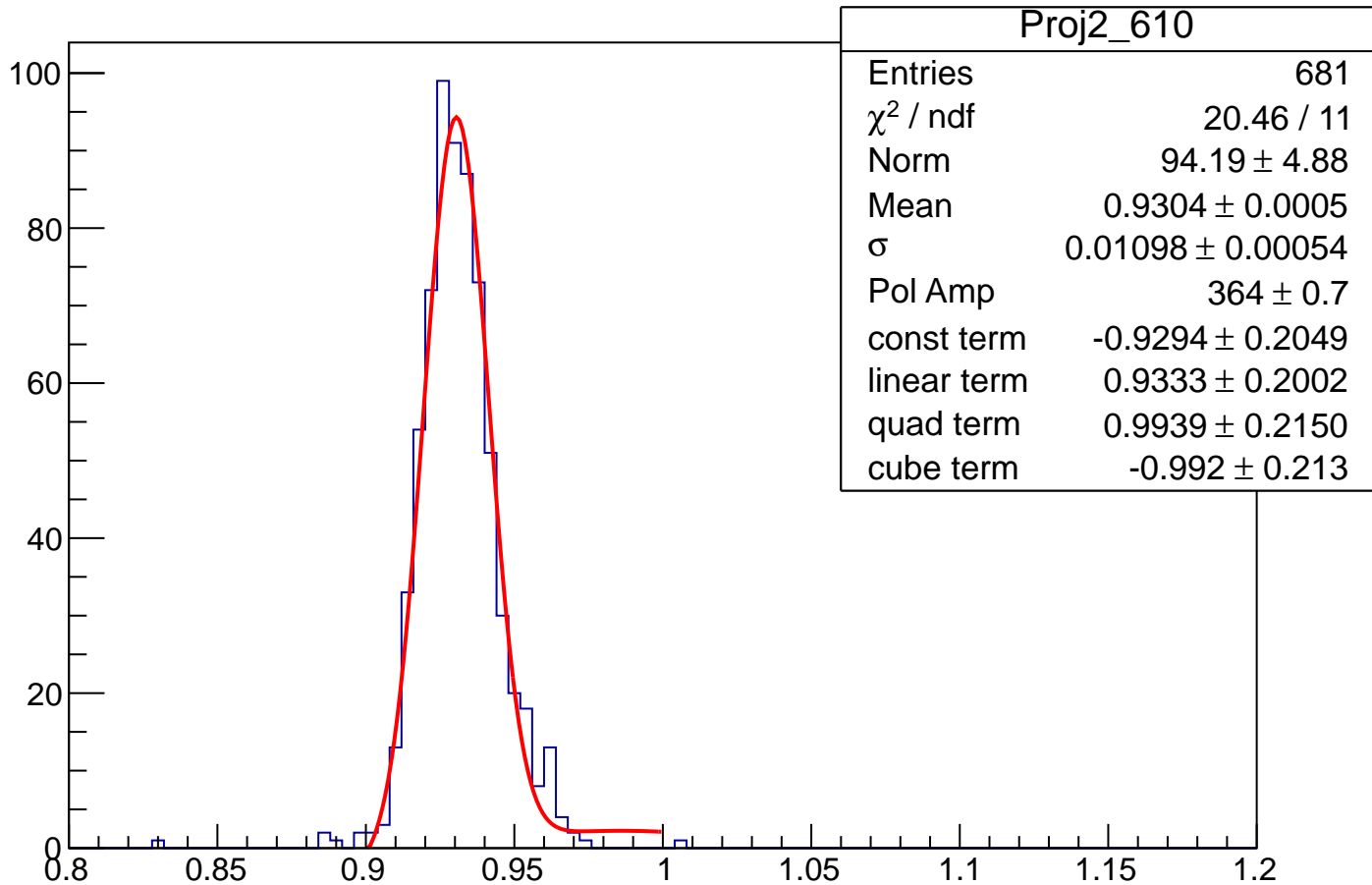
PhiThetaMassPim



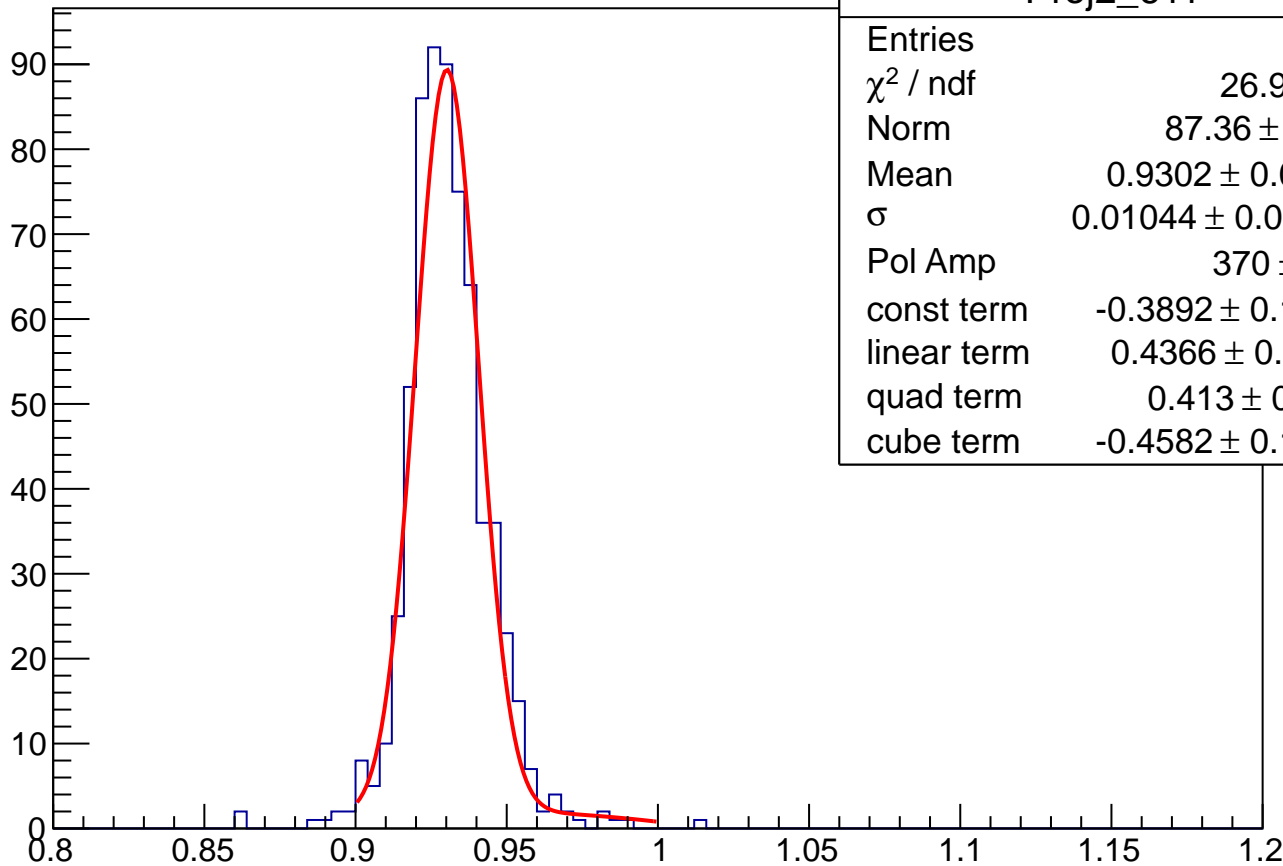
Proj2_69

Entries	656
χ^2 / ndf	17.49 / 12
Norm	88.74 ± 5.14
Mean	0.9297 ± 0.0005
σ	0.009684 ± 0.000477
Pol Amp	368.1 ± 133.5
const term	-4.167 ± 0.017
linear term	4.526 ± 0.019
quad term	4.533 ± 0.020
cube term	-4.907 ± 0.019

PhiThetaMassPim



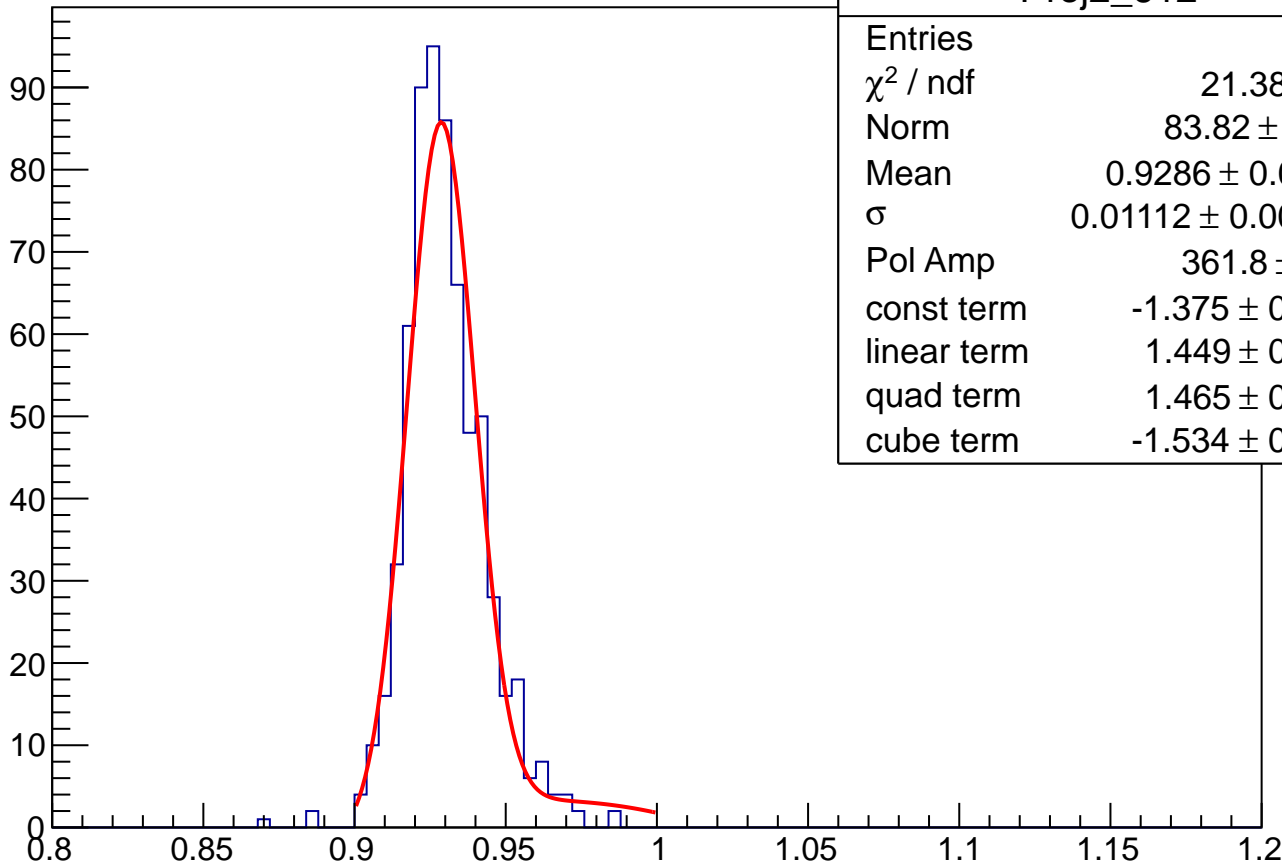
PhiThetaMassPim



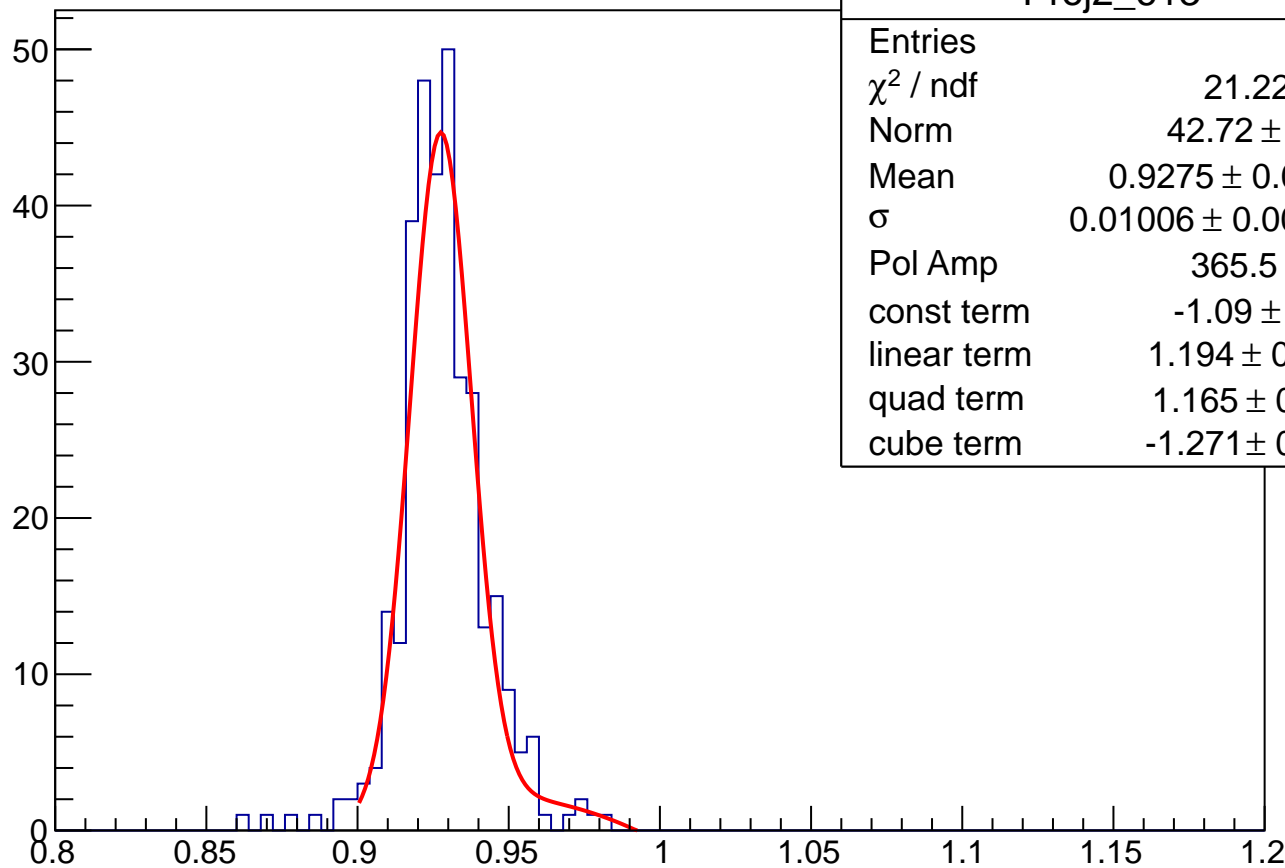
Proj2_611

Entries	647
χ^2 / ndf	26.9 / 14
Norm	87.36 ± 5.00
Mean	0.9302 ± 0.0005
σ	0.01044 ± 0.00061
Pol Amp	370 ± 0.4
const term	-0.3892 ± 0.1234
linear term	0.4366 ± 0.1112
quad term	0.413 ± 0.117
cube term	-0.4582 ± 0.1079

PhiThetaMassPim



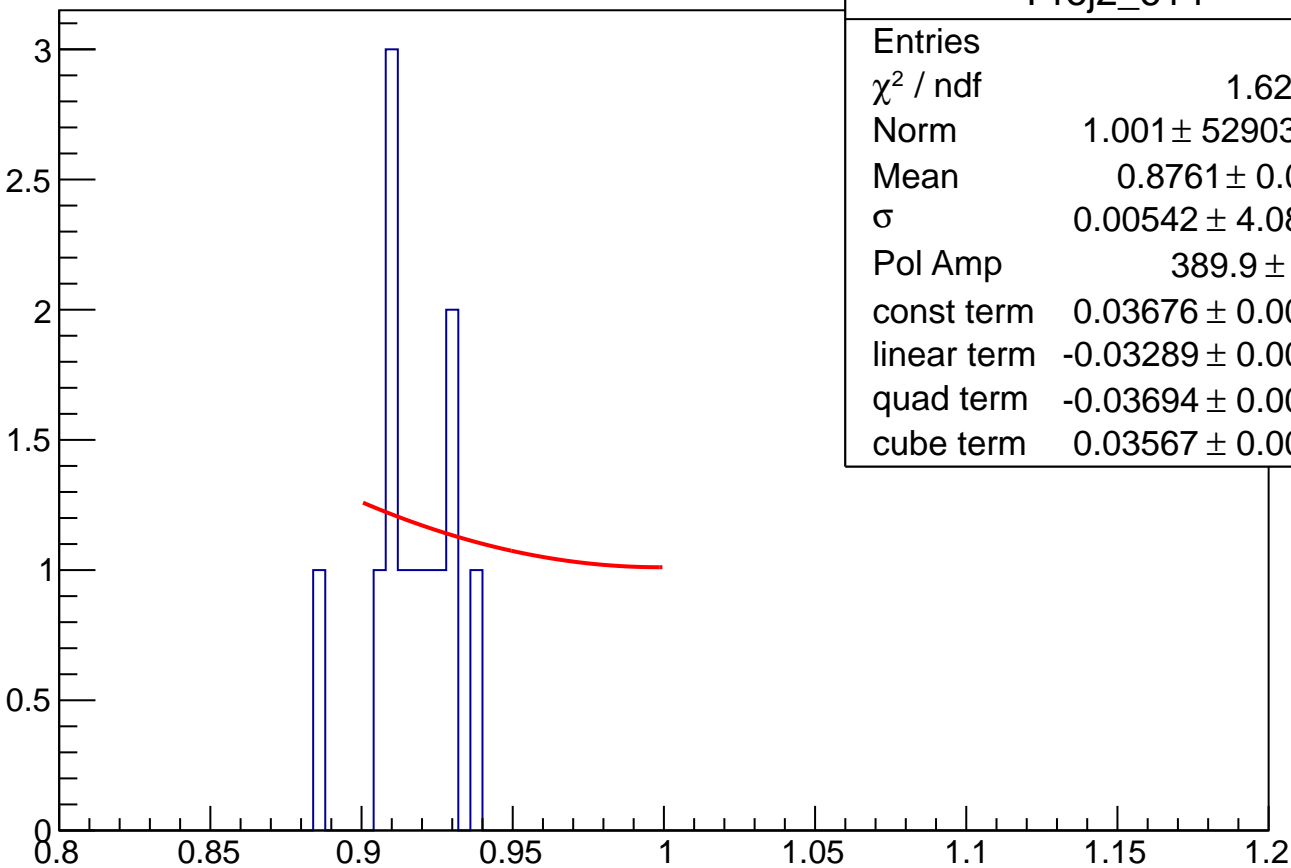
PhiThetaMassPim



Proj2_613

Entries	331
χ^2 / ndf	21.22 / 12
Norm	42.72 ± 3.69
Mean	0.9275 ± 0.0007
σ	0.01006 ± 0.00098
Pol Amp	365.5 ± 1.1
const term	-1.09 ± 0.36
linear term	1.194 ± 0.368
quad term	1.165 ± 0.371
cube term	-1.271 ± 0.381

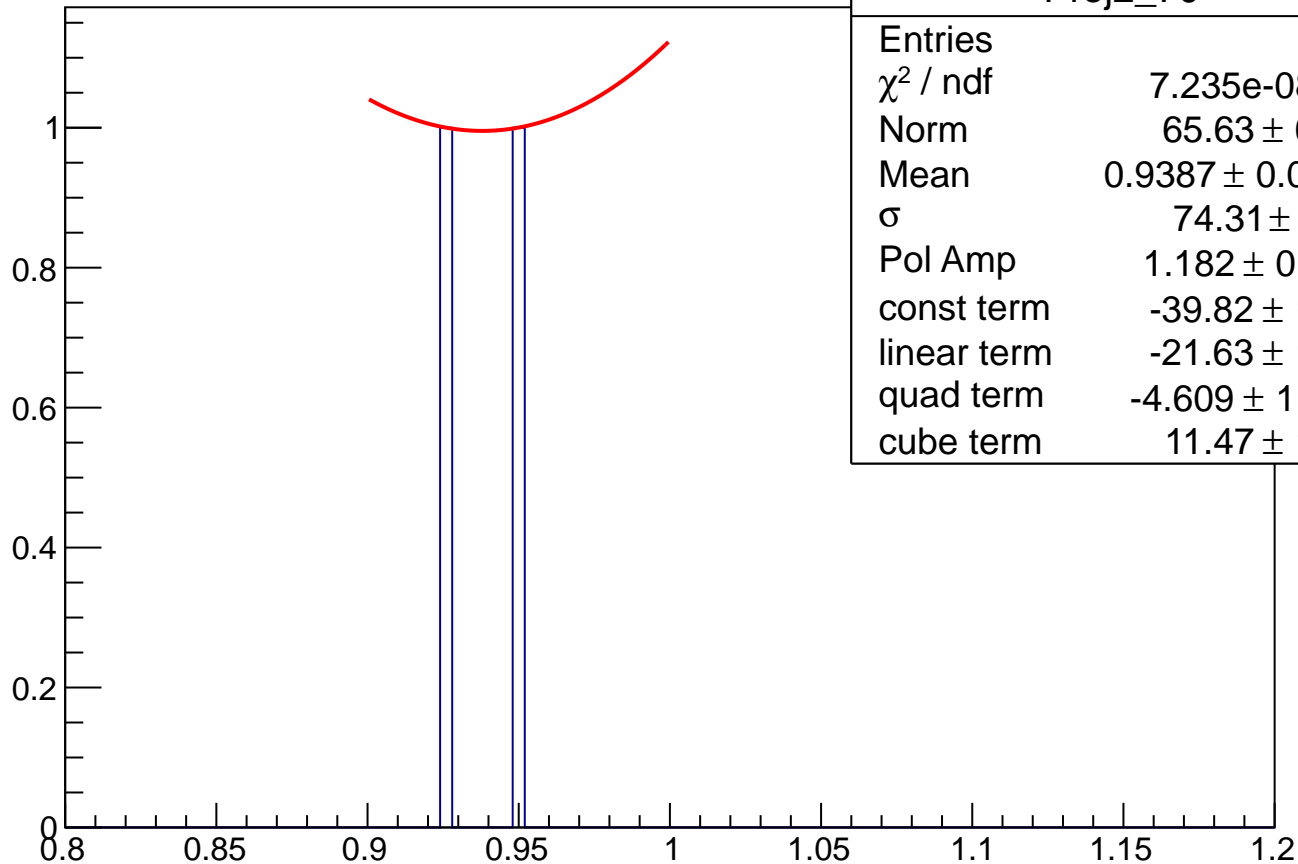
PhiThetaMassPim



Proj2_614

Entries	12
χ^2 / ndf	1.623 / 0
Norm	1.001 ± 52903.801
Mean	0.8761 ± 0.0517
σ	0.00542 ± 4.08959
Pol Amp	389.9 ± 47.7
const term	0.03676 ± 0.00037
linear term	-0.03289 ± 0.00040
quad term	-0.03694 ± 0.00043
cube term	0.03567 ± 0.00047

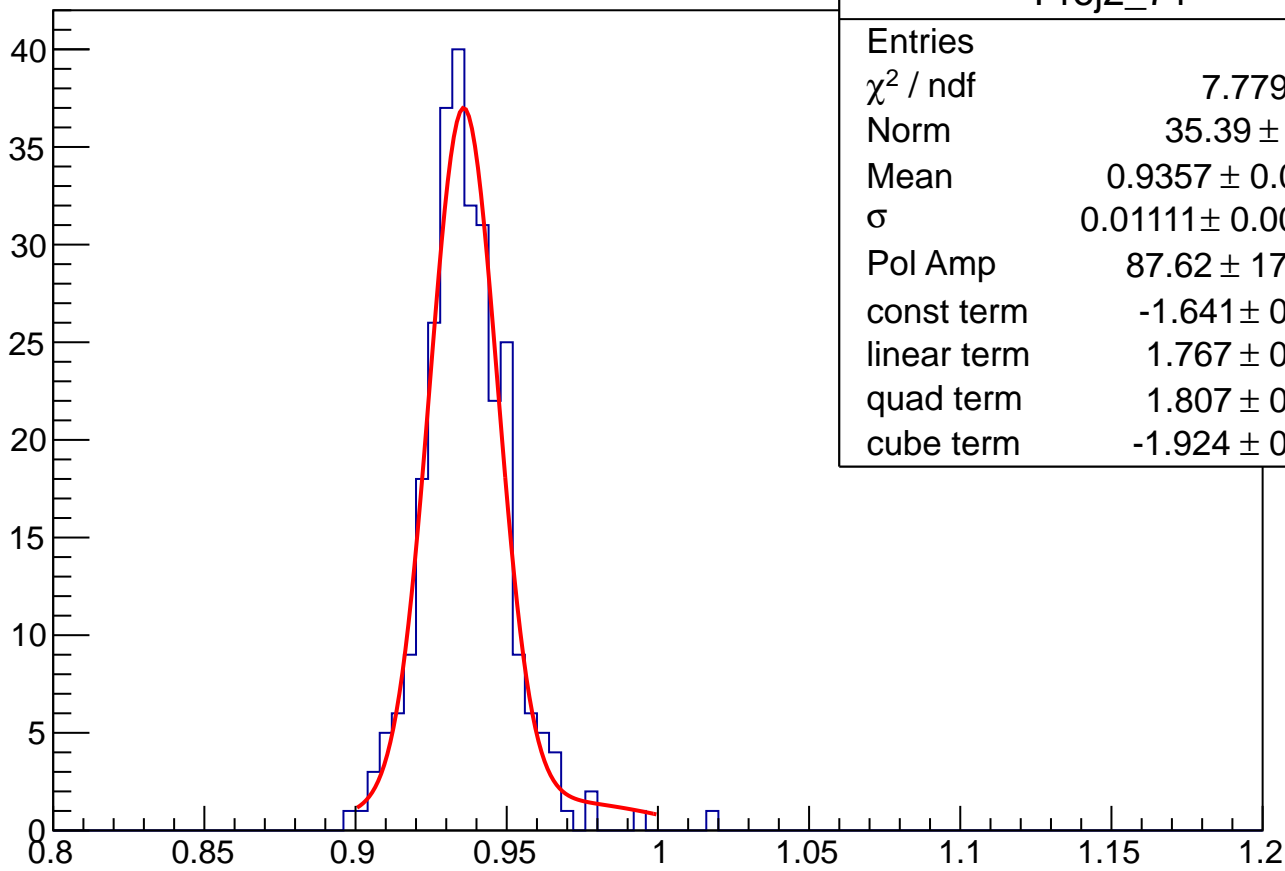
PhiThetaMassPim



Proj2_70

Entries	2
χ^2 / ndf	7.235e-08 / 0
Norm	65.63 ± 6.96
Mean	0.9387 ± 0.0750
σ	74.31 ± 1.41
Pol Amp	1.182 ± 0.128
const term	-39.82 ± 1.38
linear term	-21.63 ± 1.38
quad term	-4.609 ± 1.385
cube term	11.47 ± 1.39

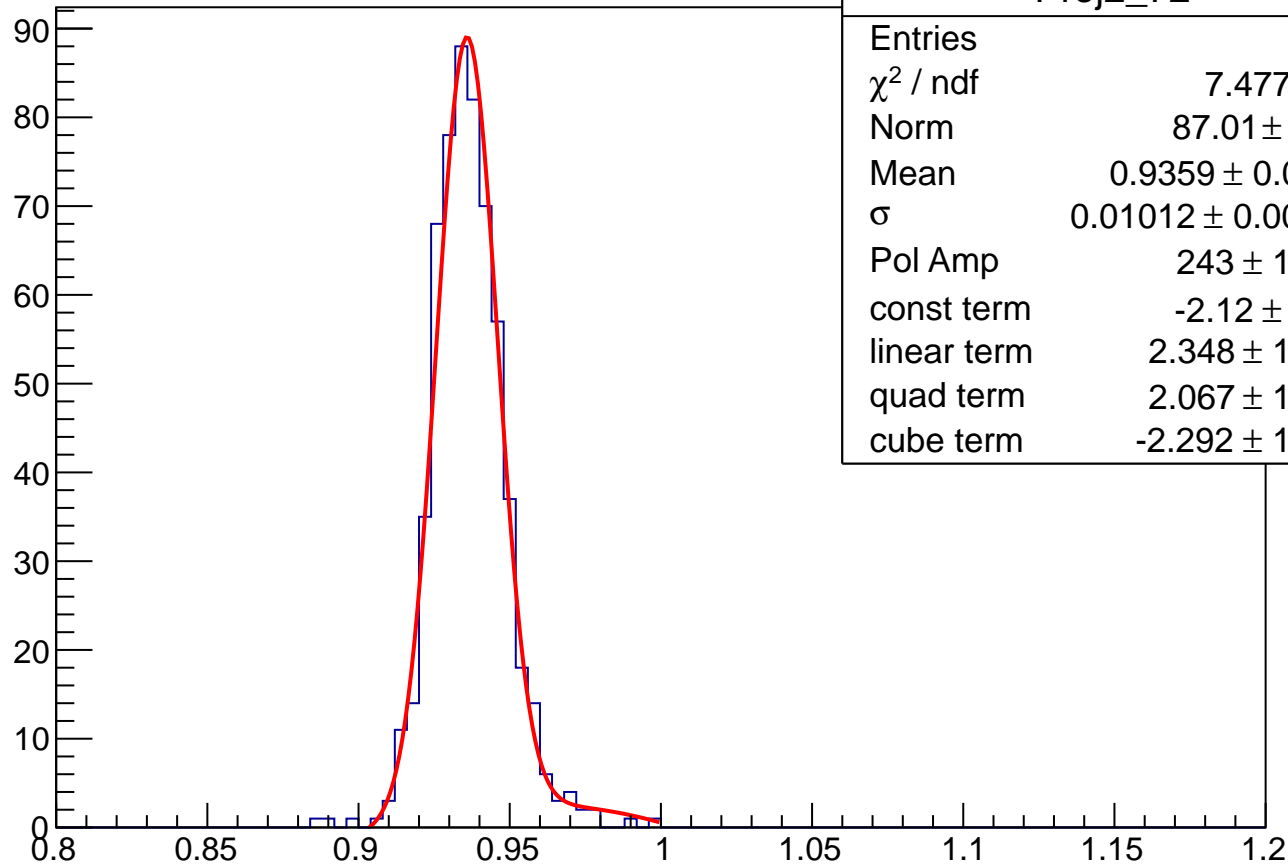
PhiThetaMassPim



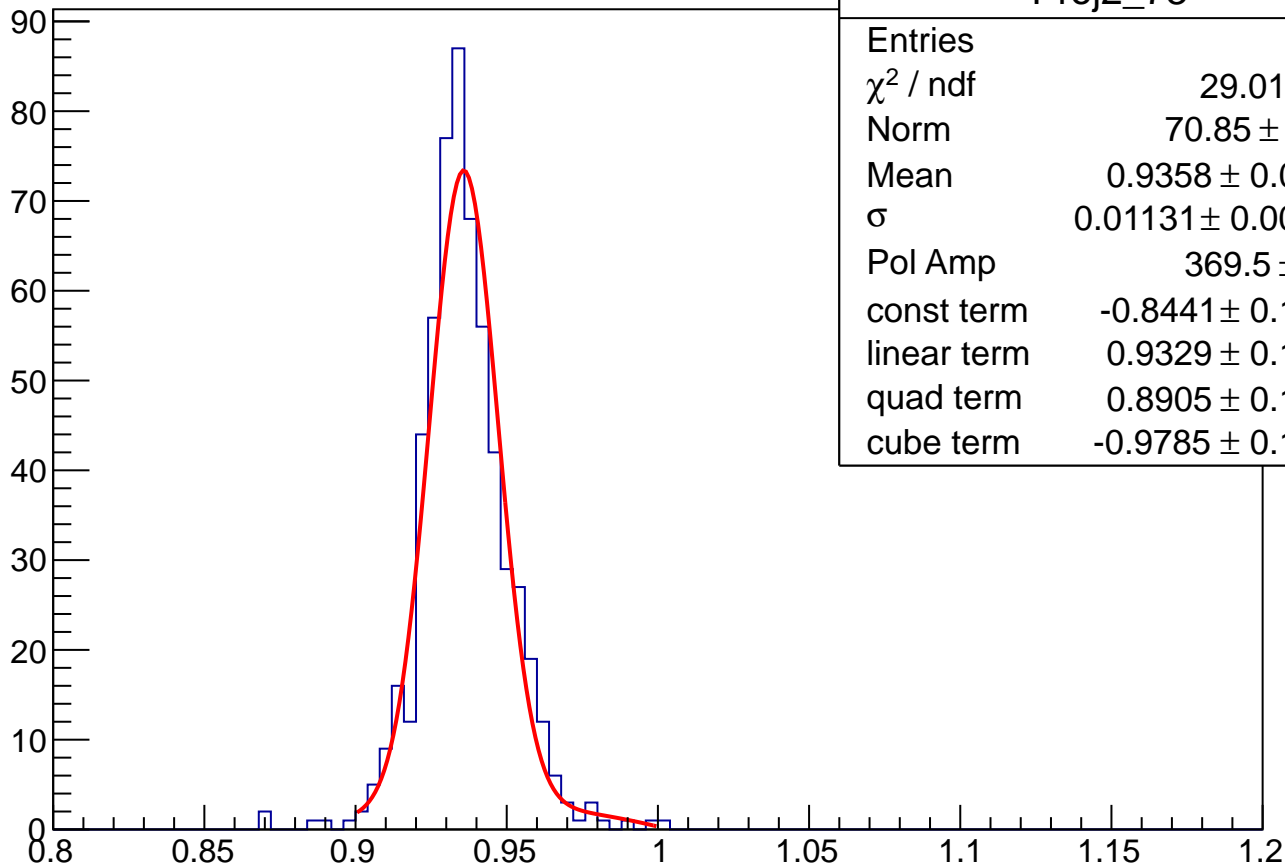
Proj2_71

Entries	285
χ^2 / ndf	7.779 / 12
Norm	35.39 ± 3.02
Mean	0.9357 ± 0.0008
σ	0.01111 ± 0.00089
Pol Amp	87.62 ± 179.63
const term	-1.641 ± 0.049
linear term	1.767 ± 0.059
quad term	1.807 ± 0.062
cube term	-1.924 ± 0.057

PhiThetaMassPim



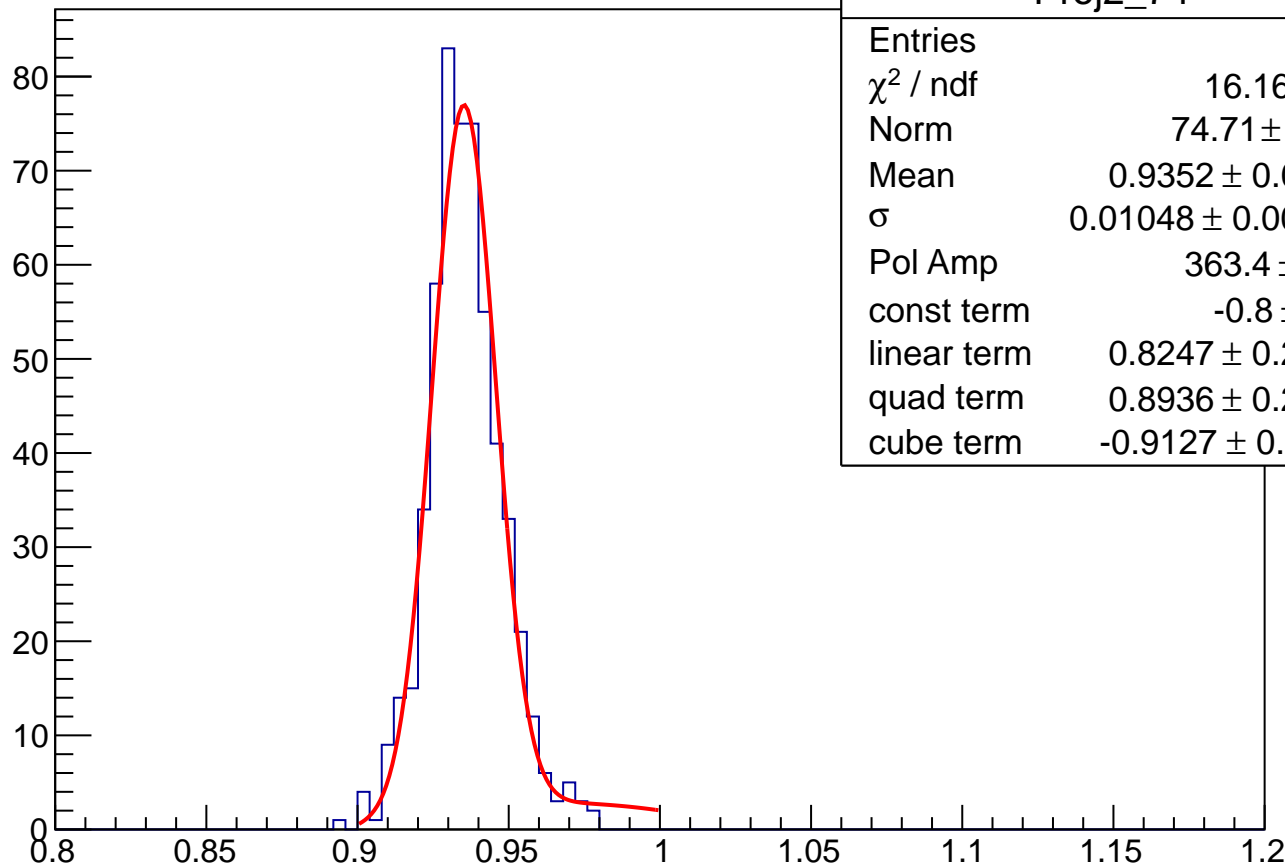
PhiThetaMassPim



Proj2_73

Entries	584
χ^2 / ndf	29.01 / 15
Norm	70.85 ± 4.42
Mean	0.9358 ± 0.0006
σ	0.01131 ± 0.00063
Pol Amp	369.5 ± 0.4
const term	-0.8441 ± 0.1563
linear term	0.9329 ± 0.1594
quad term	0.8905 ± 0.1578
cube term	-0.9785 ± 0.1623

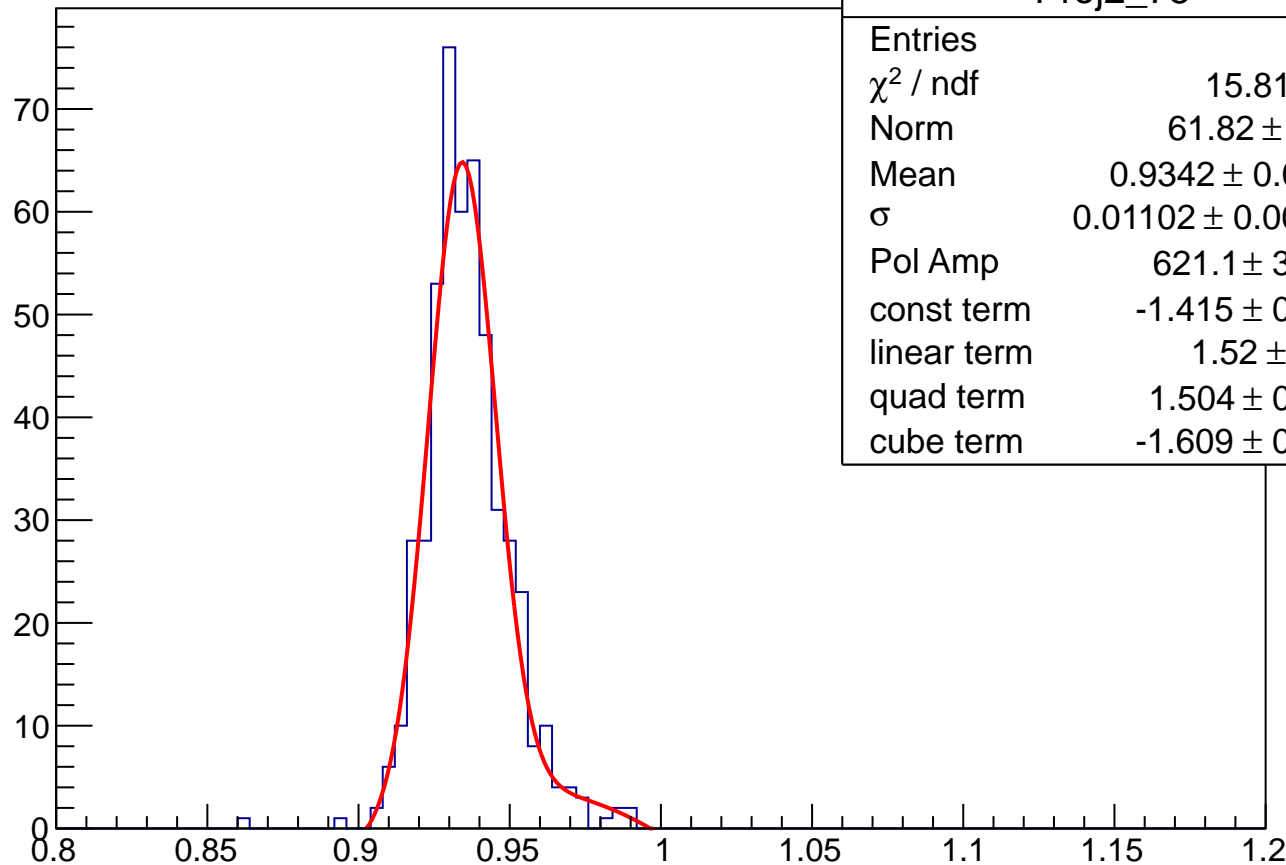
PhiThetaMassPim



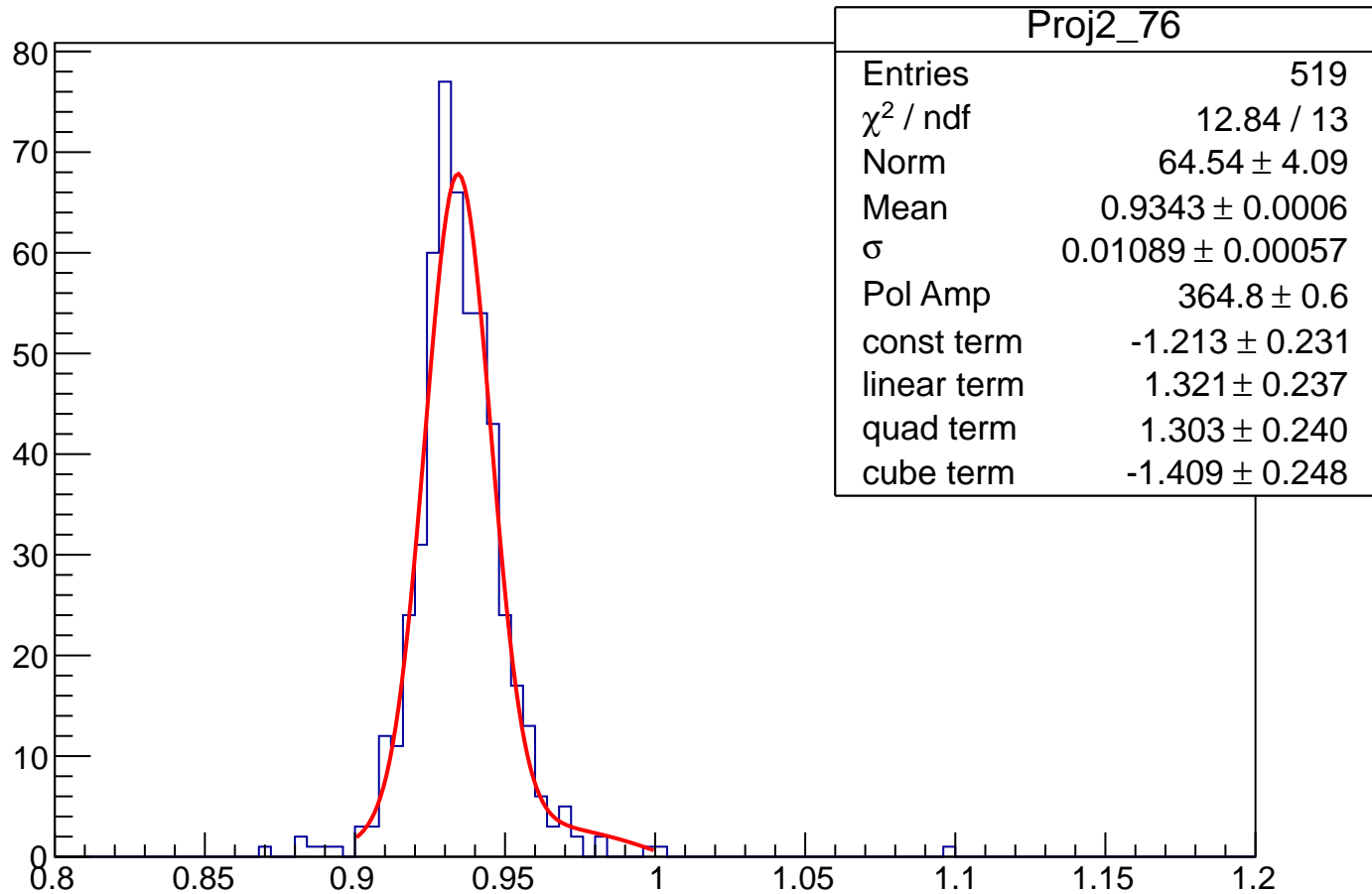
Proj2_74

Entries	550
χ^2 / ndf	16.16 / 12
Norm	74.71 ± 4.54
Mean	0.9352 ± 0.0005
σ	0.01048 ± 0.00052
Pol Amp	363.4 ± 0.8
const term	-0.8 ± 0.2
linear term	0.8247 ± 0.2105
quad term	0.8936 ± 0.2263
cube term	-0.9127 ± 0.2361

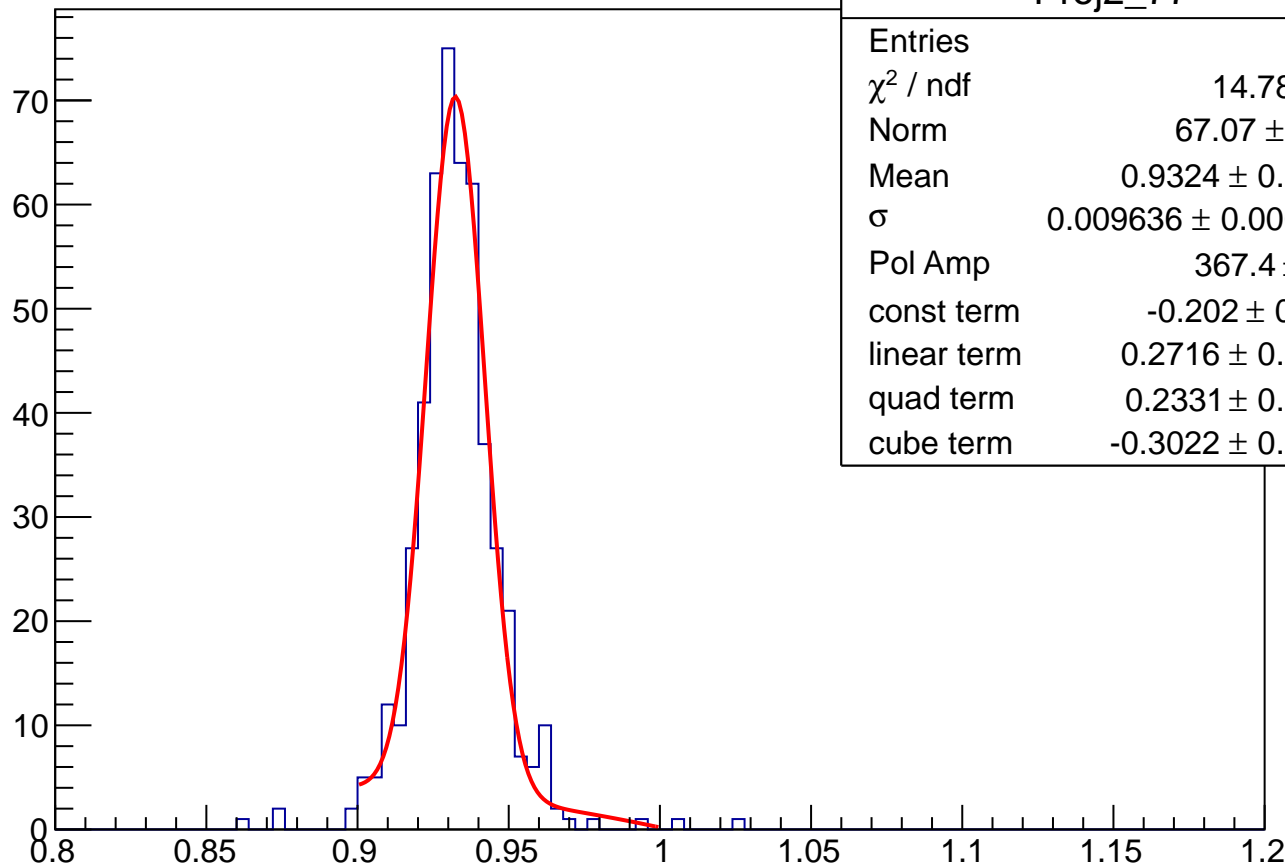
PhiThetaMassPim



PhiThetaMassPim



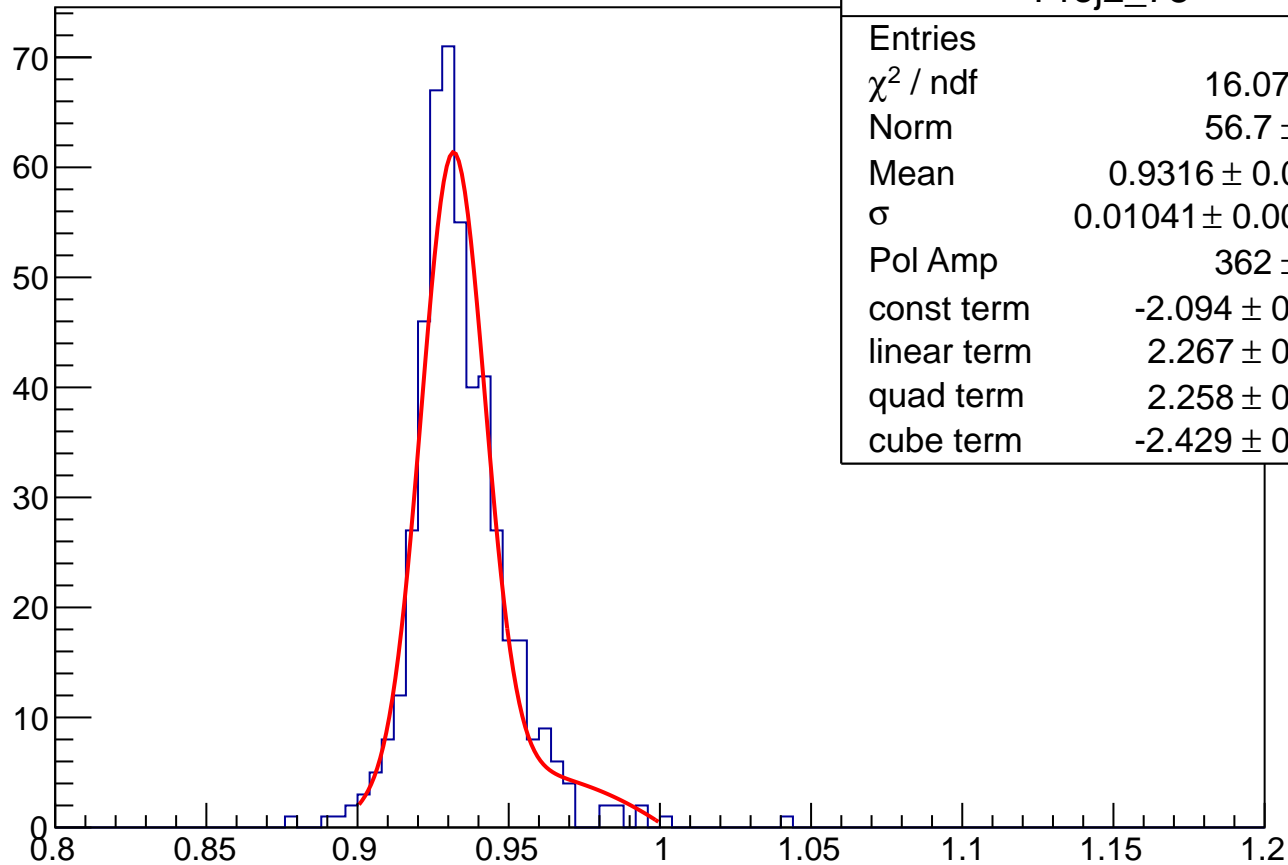
PhiThetaMassPim



Proj2_77

Entries	484
χ^2 / ndf	14.78 / 12
Norm	67.07 ± 4.55
Mean	0.9324 ± 0.0006
σ	0.009636 ± 0.000589
Pol Amp	367.4 ± 0.6
const term	-0.202 ± 0.078
linear term	0.2716 ± 0.0692
quad term	0.2331 ± 0.0717
cube term	-0.3022 ± 0.0665

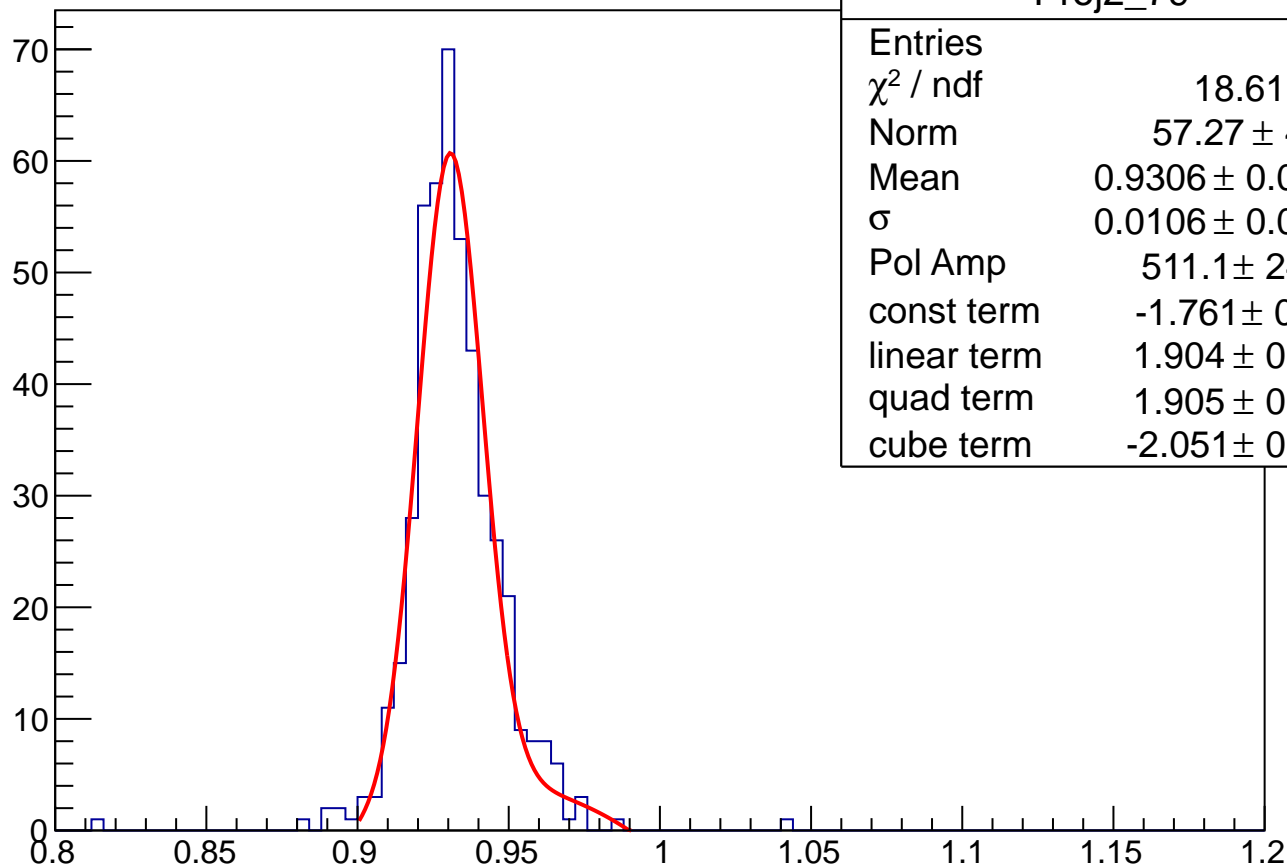
PhiThetaMassPim



Proj2_78

Entries	476
χ^2 / ndf	16.07 / 13
Norm	56.7 ± 4.2
Mean	0.9316 ± 0.0006
σ	0.01041 ± 0.00065
Pol Amp	362 ± 0.7
const term	-2.094 ± 0.463
linear term	2.267 ± 0.487
quad term	2.258 ± 0.492
cube term	-2.429 ± 0.517

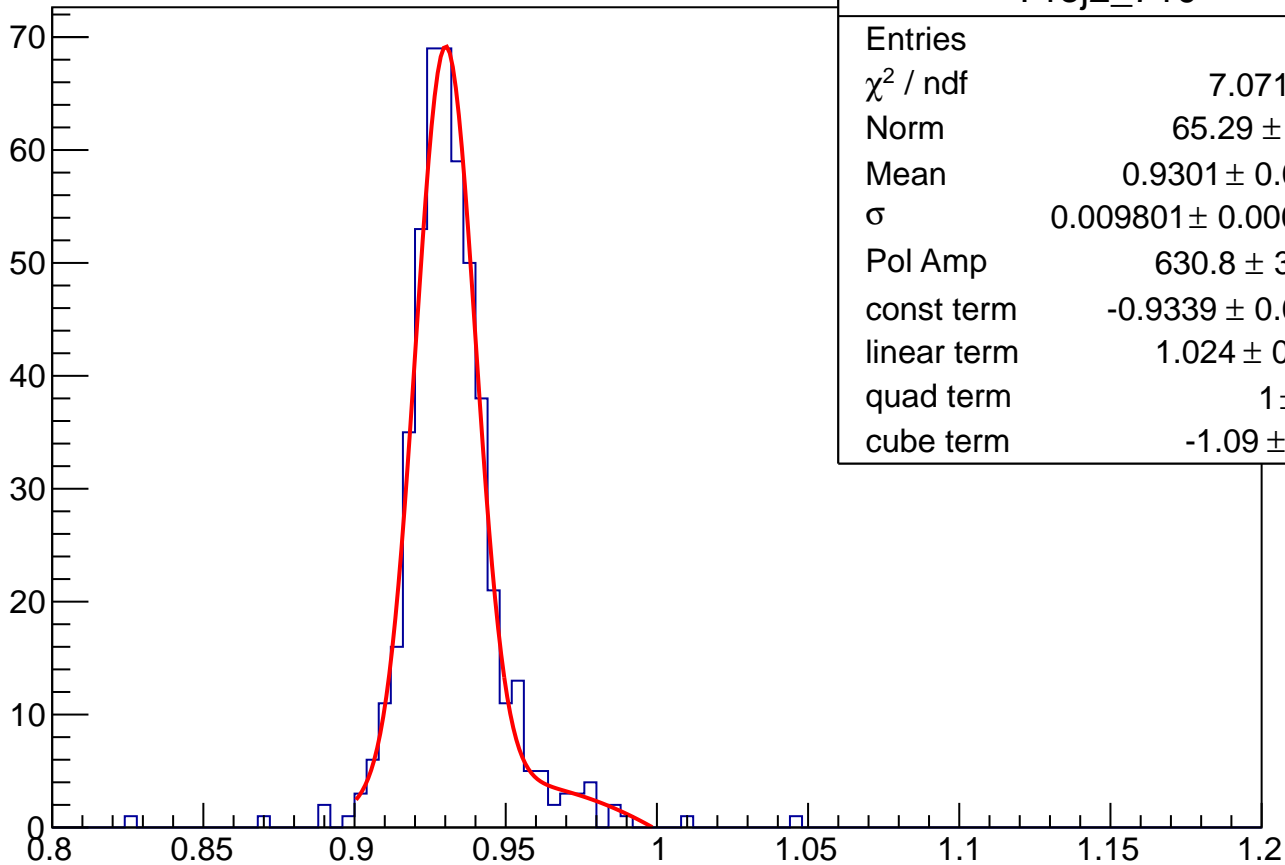
PhiThetaMassPim



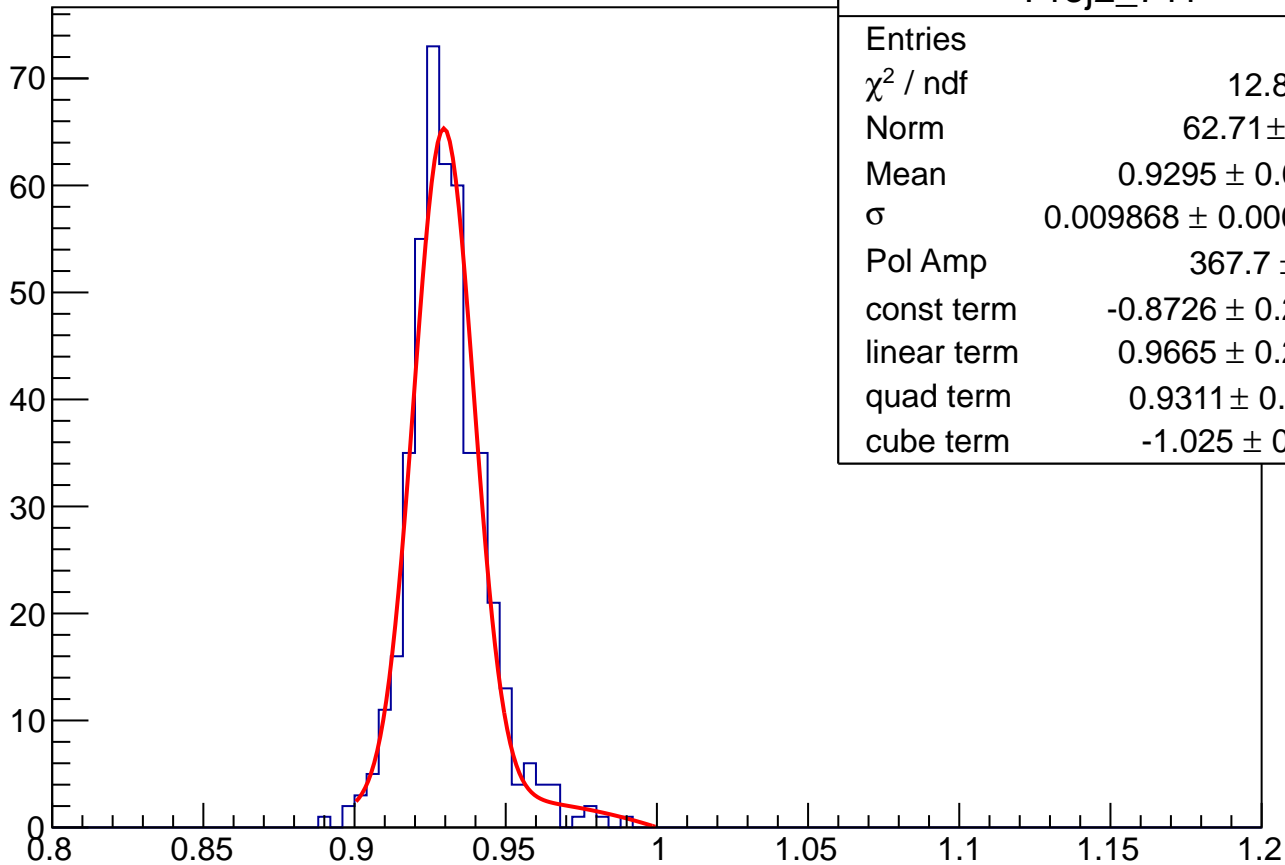
Proj2_79

Entries	461
χ^2 / ndf	18.61 / 12
Norm	57.27 ± 4.08
Mean	0.9306 ± 0.0007
σ	0.0106 ± 0.0007
Pol Amp	511.1 ± 248.3
const term	-1.761 ± 0.011
linear term	1.904 ± 0.012
quad term	1.905 ± 0.013
cube term	-2.051 ± 0.012

PhiThetaMassPim



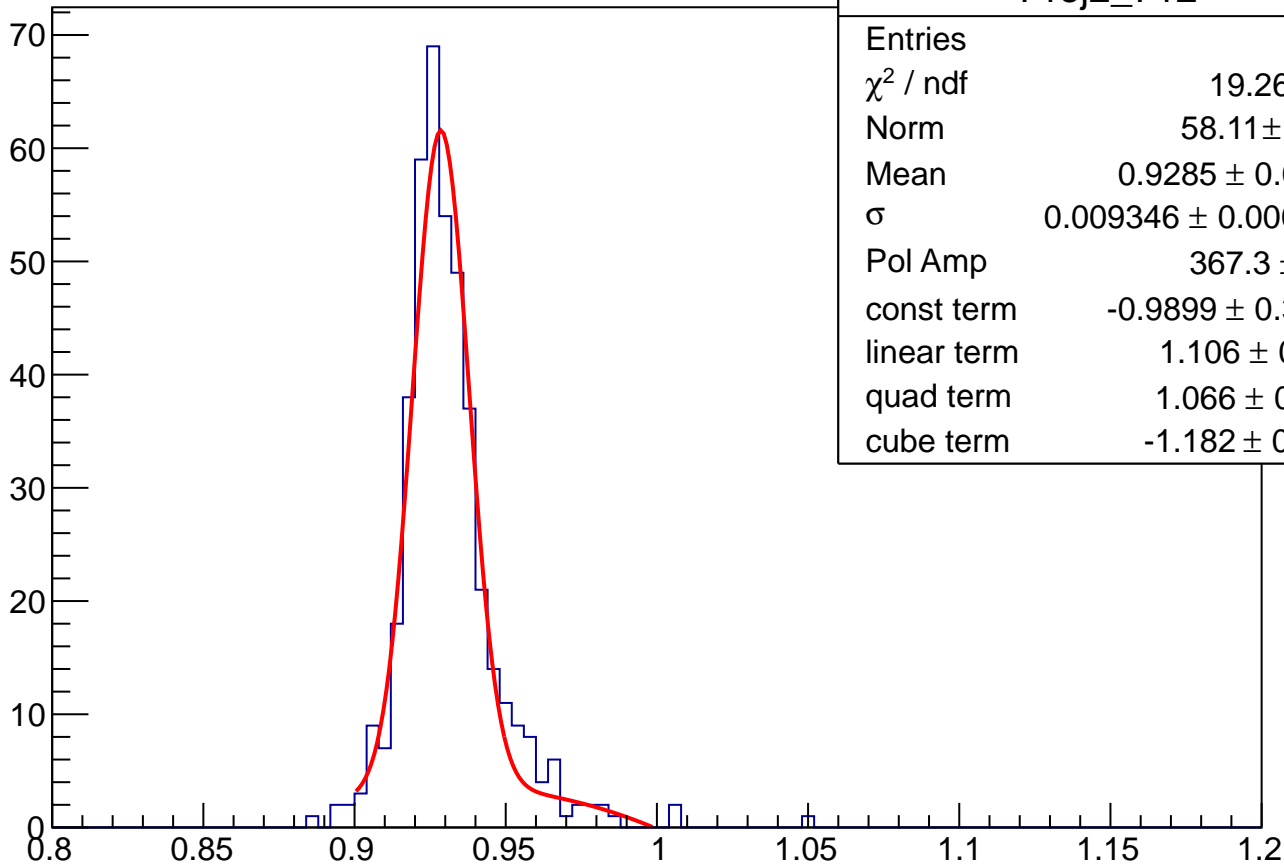
PhiThetaMassPim



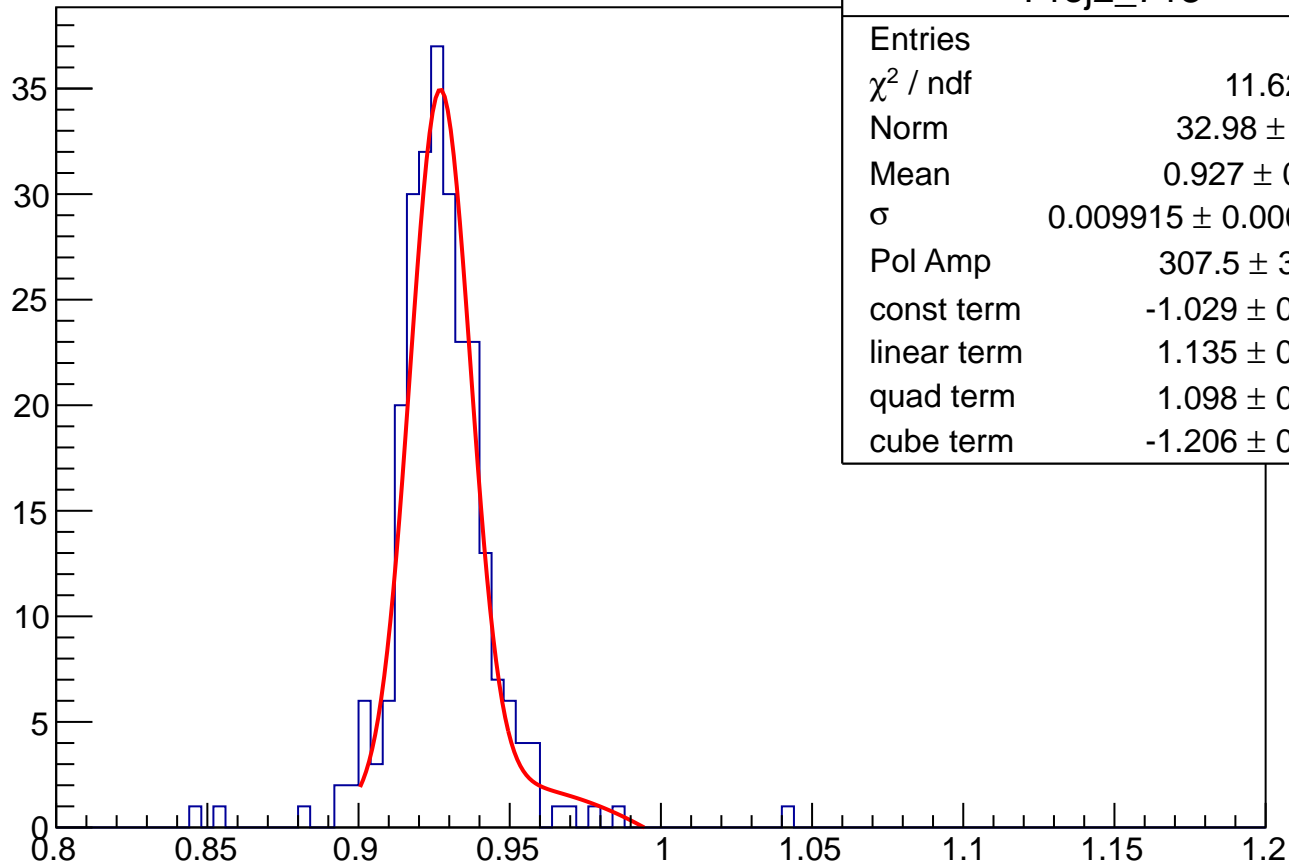
Proj2_711

Entries	450
χ^2 / ndf	12.8 / 13
Norm	62.71 ± 4.31
Mean	0.9295 ± 0.0006
σ	0.009868 ± 0.000607
Pol Amp	367.7 ± 0.6
const term	-0.8726 ± 0.2528
linear term	0.9665 ± 0.2596
quad term	0.9311 ± 0.2591
cube term	-1.025 ± 0.267

PhiThetaMassPim



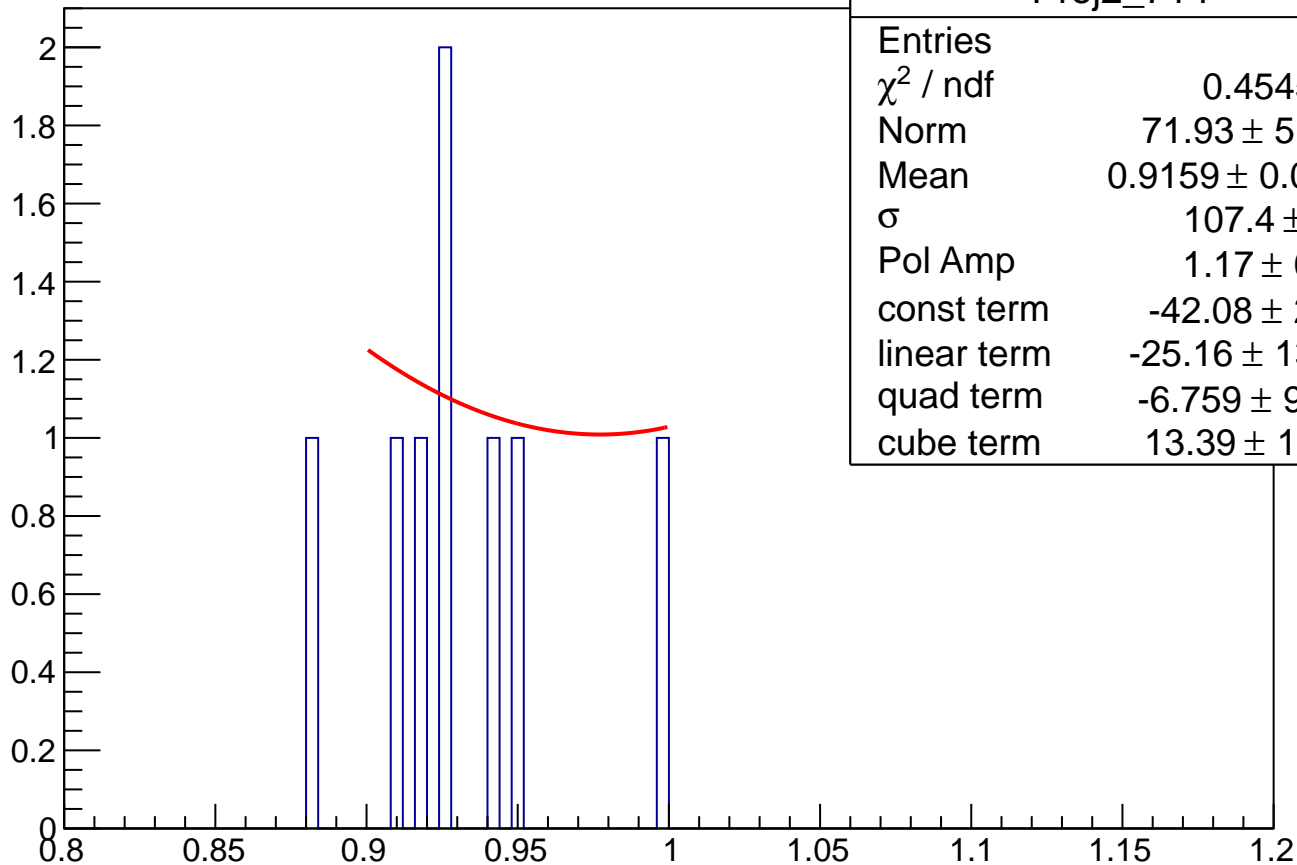
PhiThetaMassPim



Proj2_713

Entries	256
χ^2 / ndf	11.62 / 11
Norm	32.98 ± 3.14
Mean	0.927 ± 0.001
σ	0.009915 ± 0.000850
Pol Amp	307.5 ± 327.4
const term	-1.029 ± 0.016
linear term	1.135 ± 0.017
quad term	1.098 ± 0.017
cube term	-1.206 ± 0.017

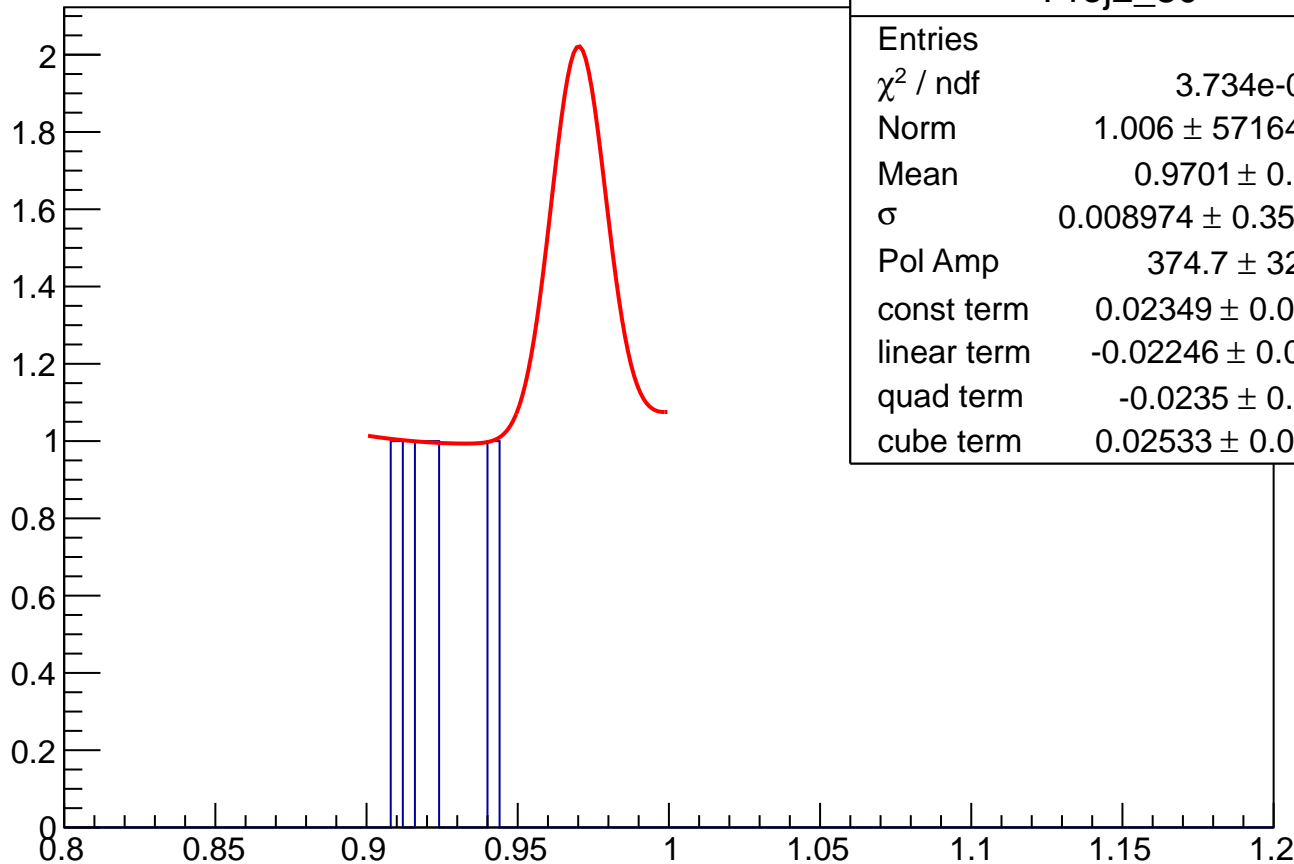
PhiThetaMassPim



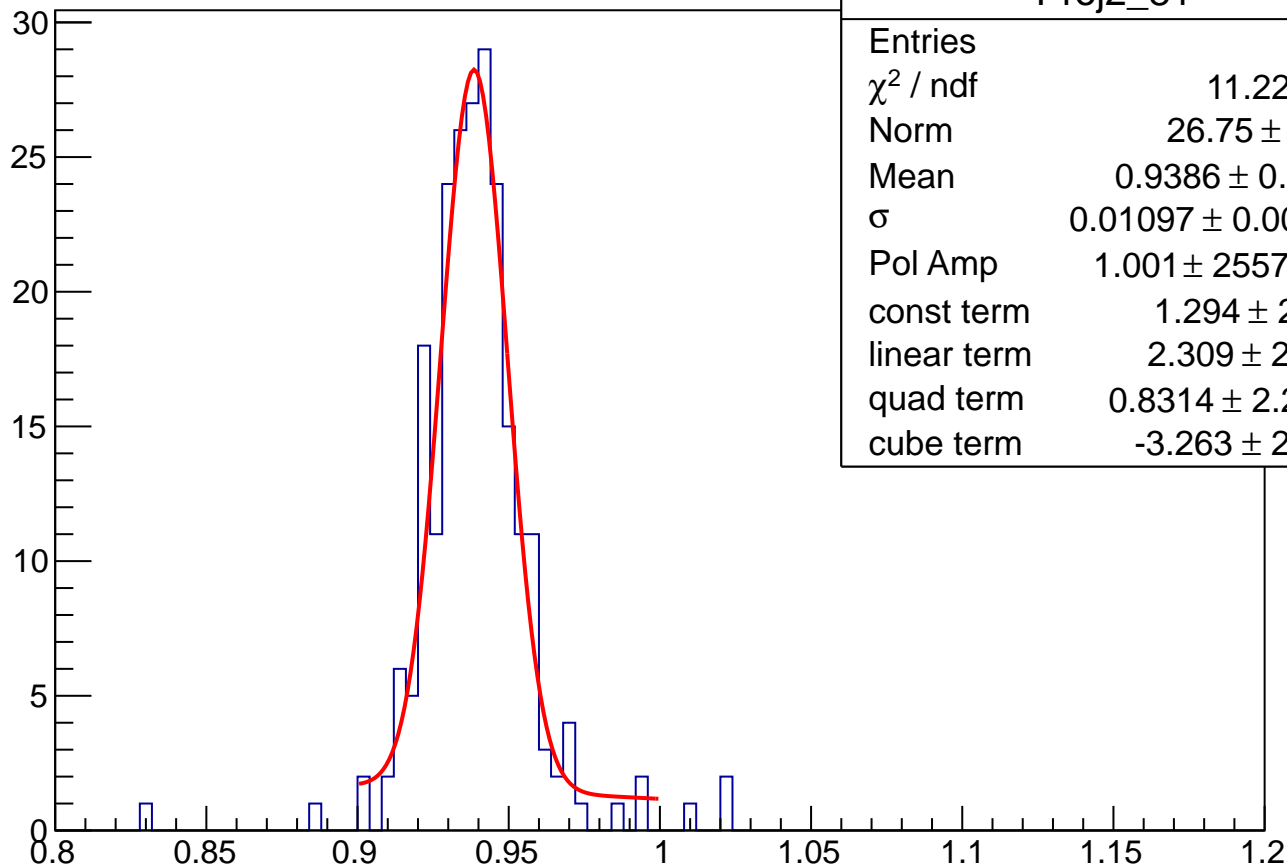
Proj2_714

Entries	8
χ^2 / ndf	0.4545 / 0
Norm	71.93 ± 51.83
Mean	0.9159 ± 0.0801
σ	107.4 ± 1.4
Pol Amp	1.17 ± 0.66
const term	-42.08 ± 2.75
linear term	-25.16 ± 13.53
quad term	-6.759 ± 9.711
cube term	13.39 ± 11.35

PhiThetaMassPim



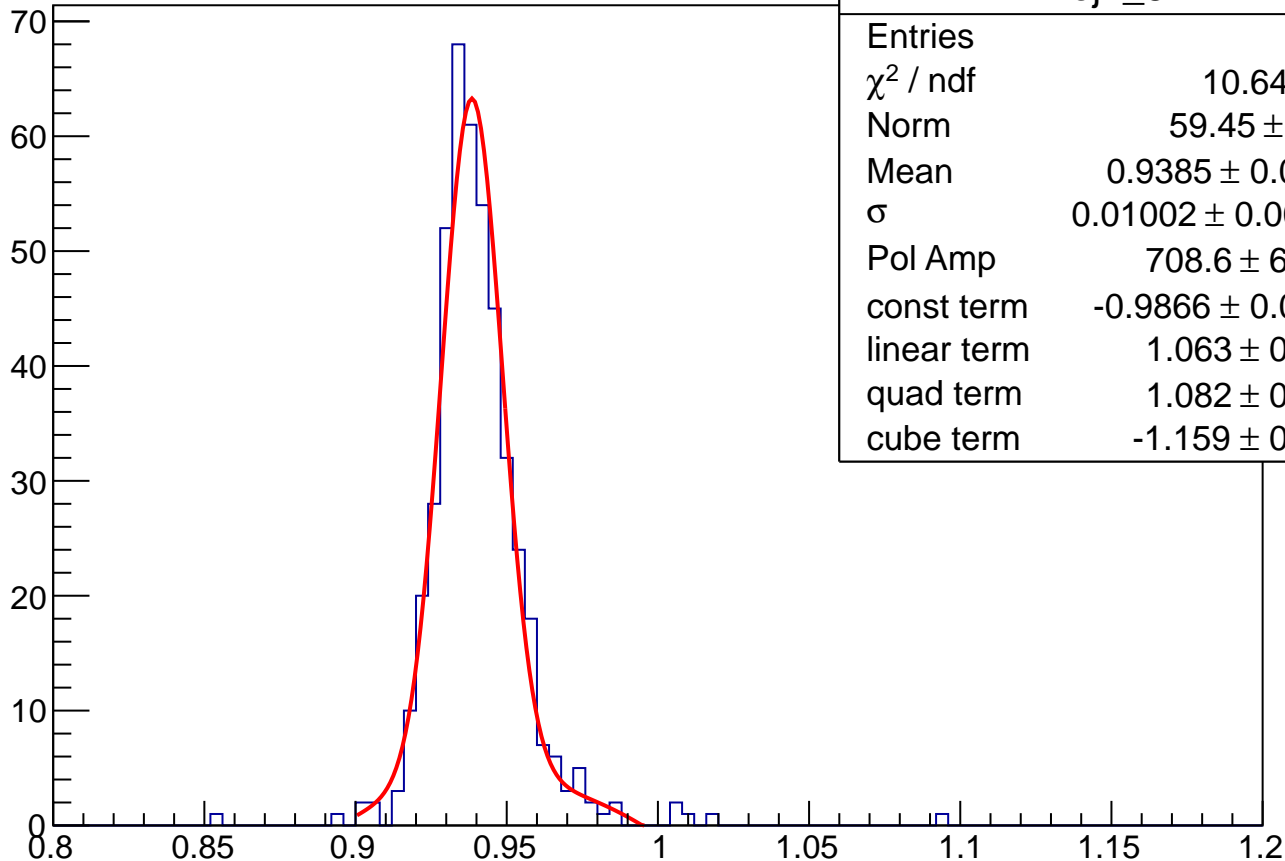
PhiThetaMassPim



Proj2_81

Entries	229
χ^2 / ndf	11.22 / 12
Norm	26.75 ± 2.53
Mean	0.9386 ± 0.0011
σ	0.01097 ± 0.00107
Pol Amp	1.001 ± 2557.720
const term	1.294 ± 2.511
linear term	2.309 ± 2.405
quad term	0.8314 ± 2.2870
cube term	-3.263 ± 2.165

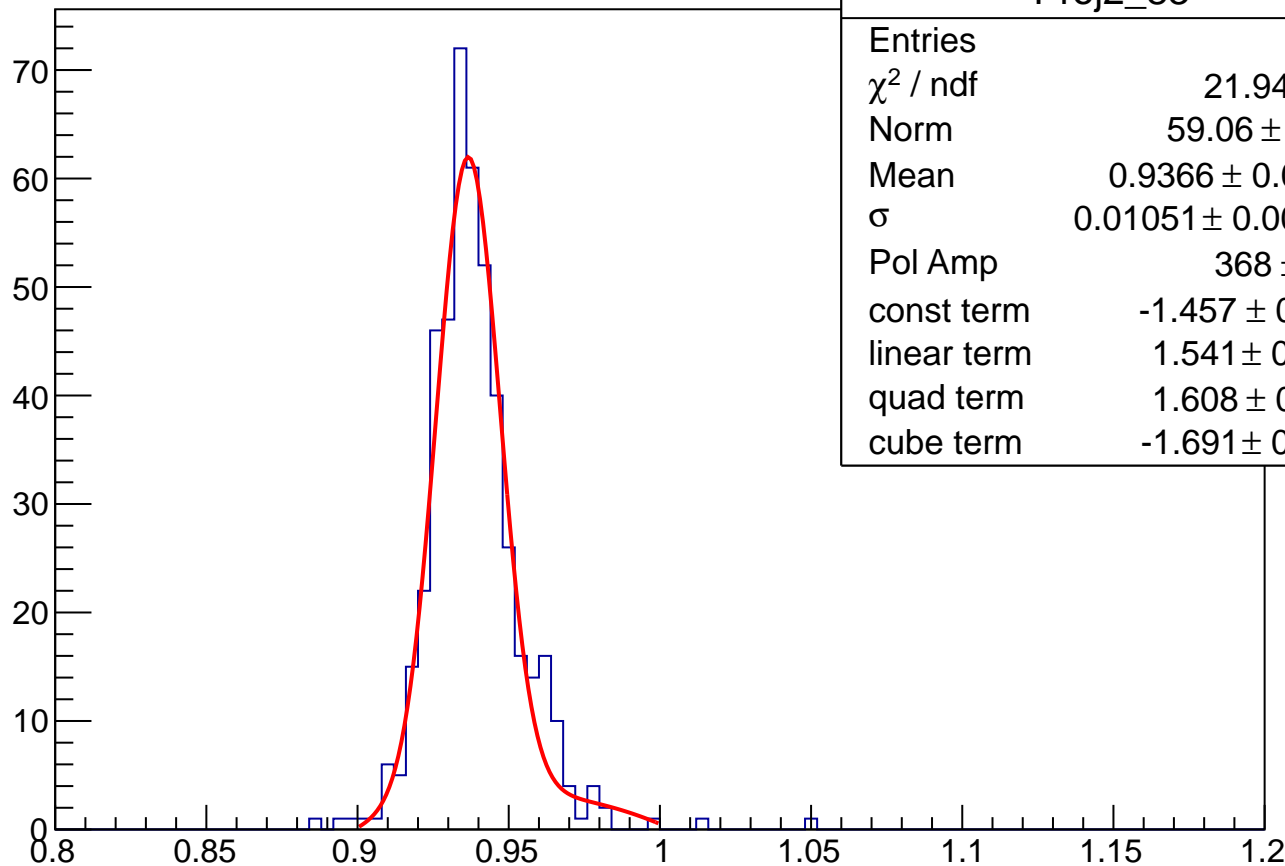
PhiThetaMassPim



Proj2_82

Entries	452
χ^2 / ndf	10.64 / 13
Norm	59.45 ± 4.21
Mean	0.9385 ± 0.0007
σ	0.01002 ± 0.00071
Pol Amp	708.6 ± 670.9
const term	-0.9866 ± 0.0066
linear term	1.063 ± 0.008
quad term	1.082 ± 0.008
cube term	-1.159 ± 0.008

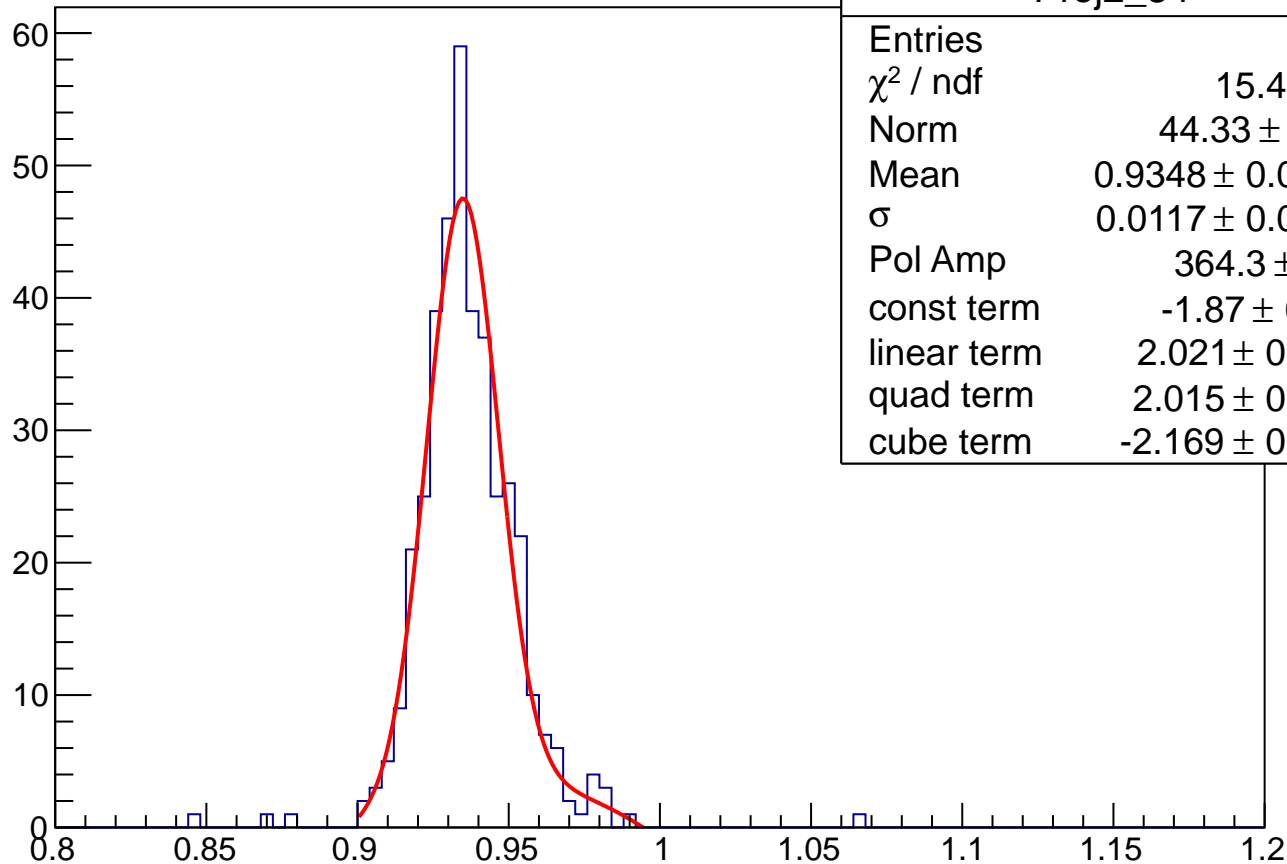
PhiThetaMassPim



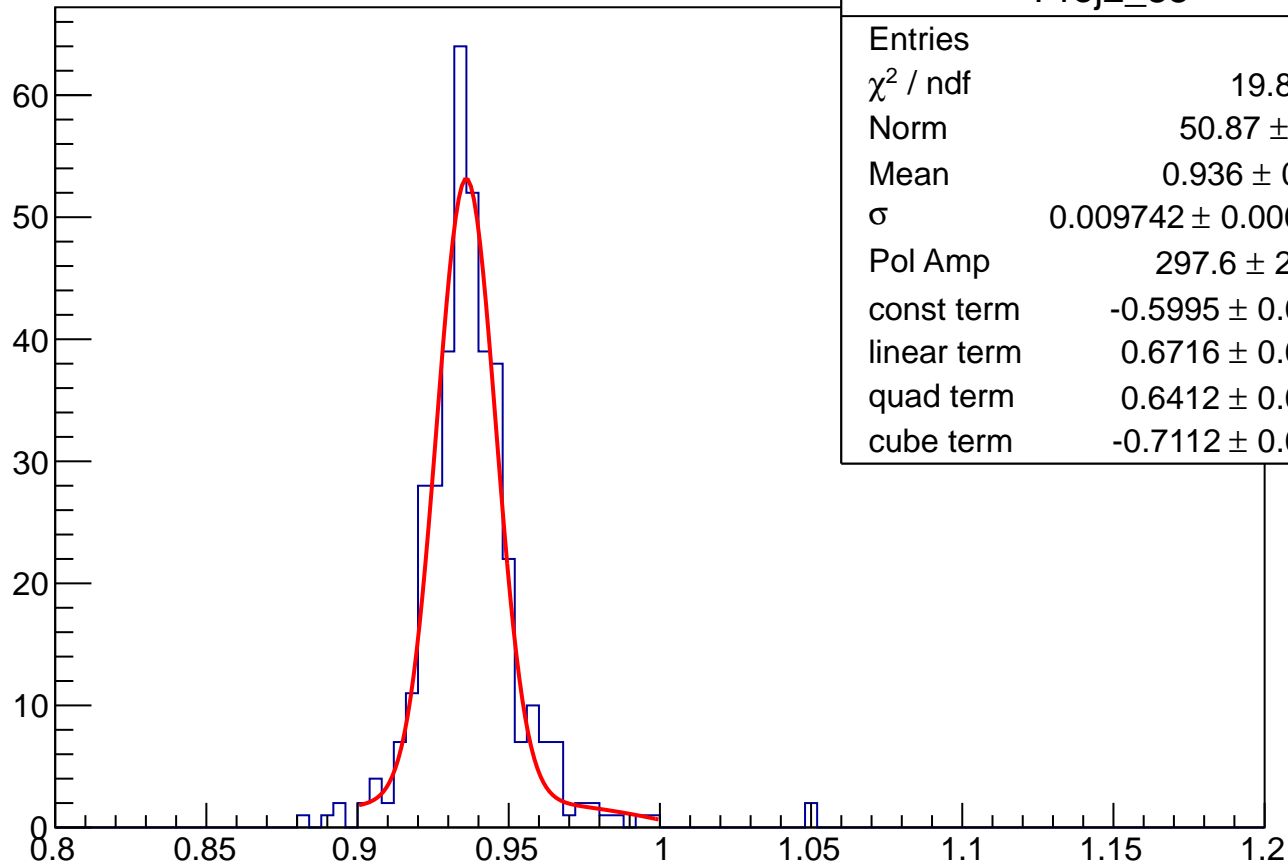
Proj2_83

Entries	467
χ^2 / ndf	21.94 / 14
Norm	59.06 ± 4.07
Mean	0.9366 ± 0.0006
σ	0.01051 ± 0.00049
Pol Amp	368 ± 0.4
const term	-1.457 ± 0.301
linear term	1.541 ± 0.317
quad term	1.608 ± 0.331
cube term	-1.691 ± 0.348

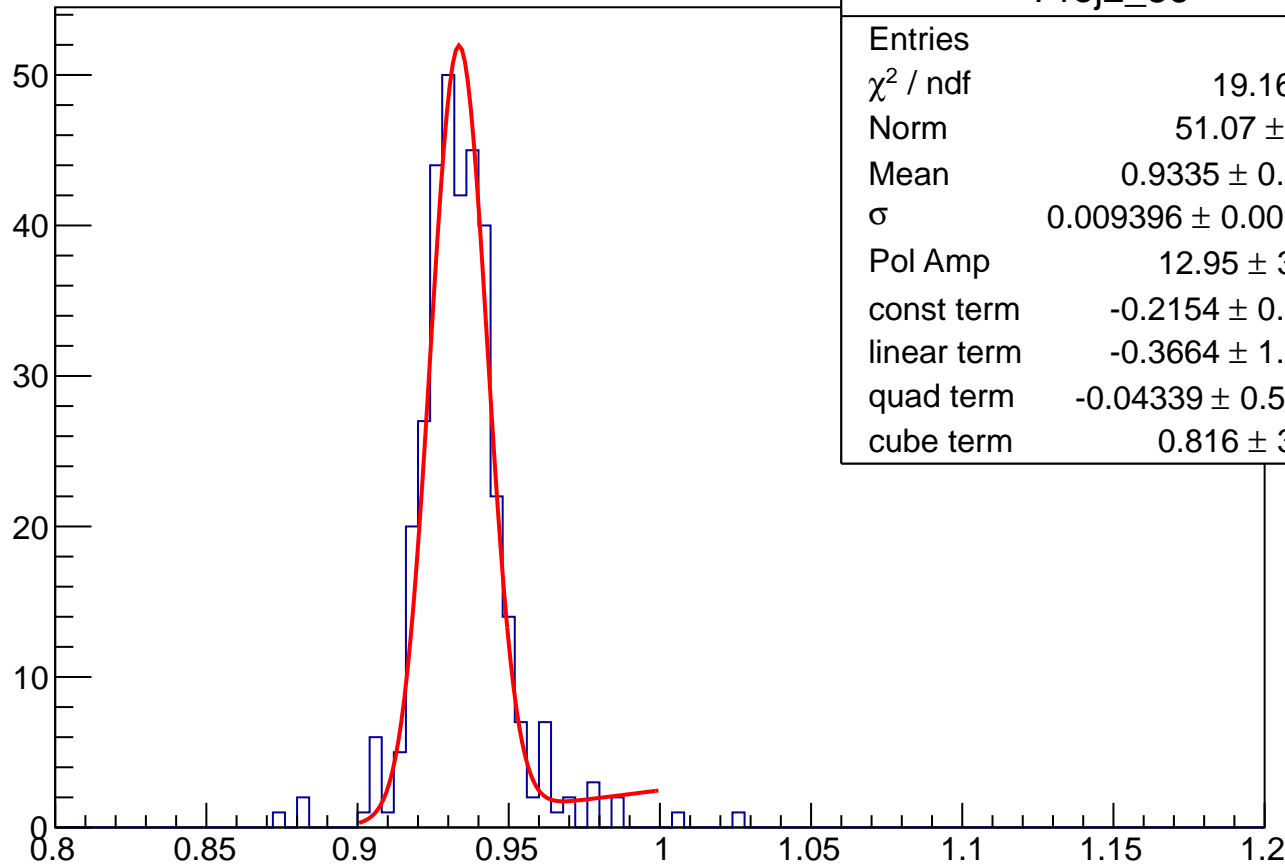
PhiThetaMassPim



PhiThetaMassPim



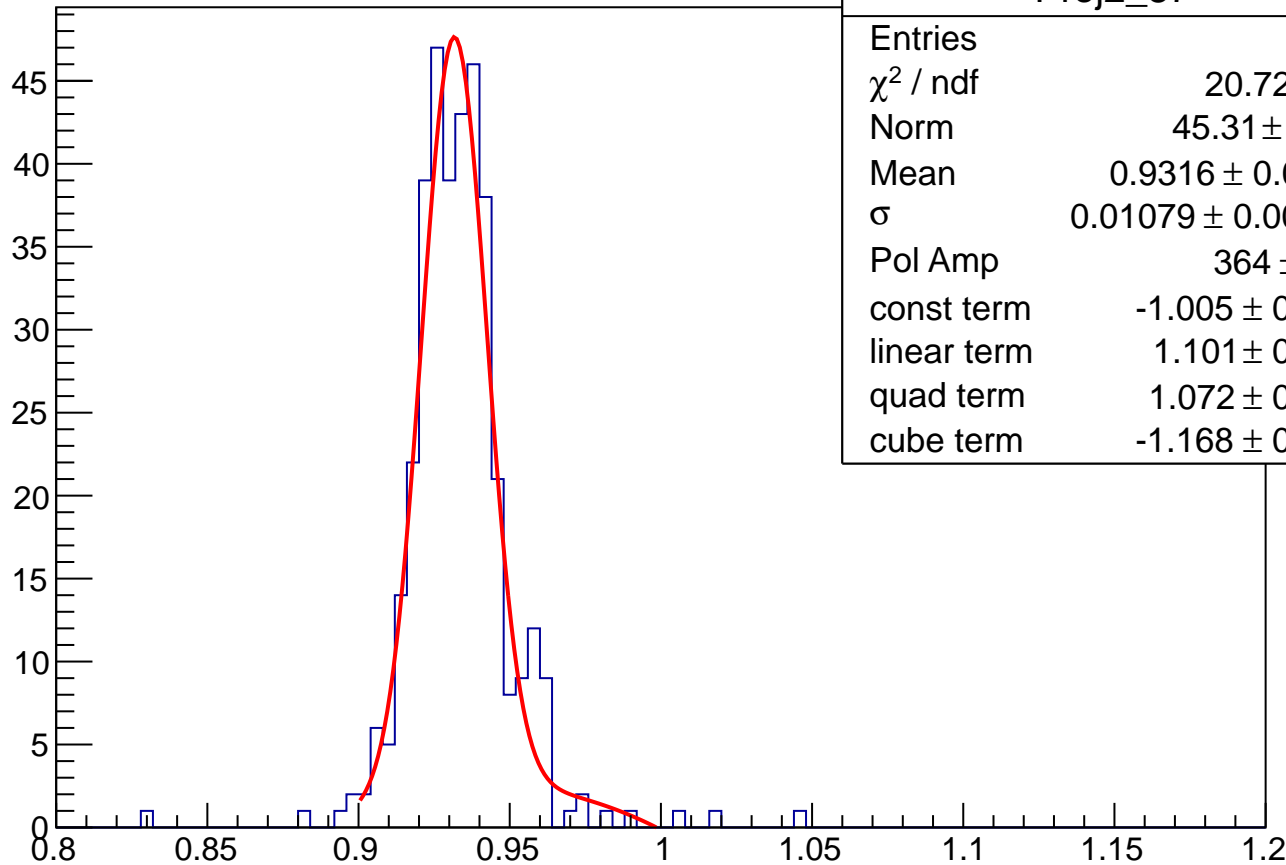
PhiThetaMassPim



Proj2_86

Entries	346
χ^2 / ndf	19.16 / 12
Norm	51.07 ± 3.58
Mean	0.9335 ± 0.0006
σ	0.009396 ± 0.000455
Pol Amp	12.95 ± 39.20
const term	-0.2154 ± 0.3916
linear term	-0.3664 ± 1.5468
quad term	-0.04339 ± 0.51303
cube term	0.816 ± 3.034

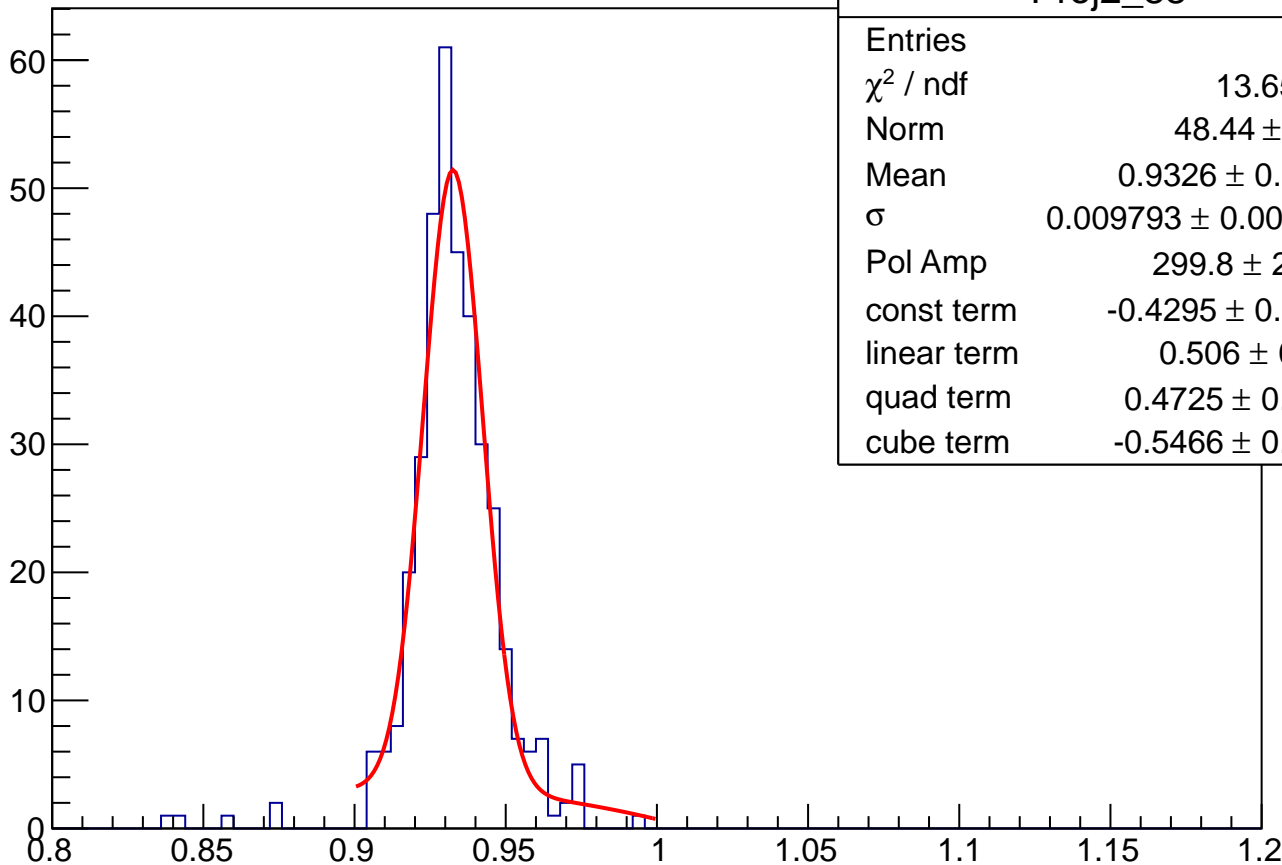
PhiThetaMassPim



Proj2_87

Entries	373
χ^2 / ndf	20.72 / 12
Norm	45.31 ± 3.56
Mean	0.9316 ± 0.0007
σ	0.01079 ± 0.00075
Pol Amp	364 ± 0.8
const term	-1.005 ± 0.212
linear term	1.101 ± 0.216
quad term	1.072 ± 0.218
cube term	-1.168 ± 0.224

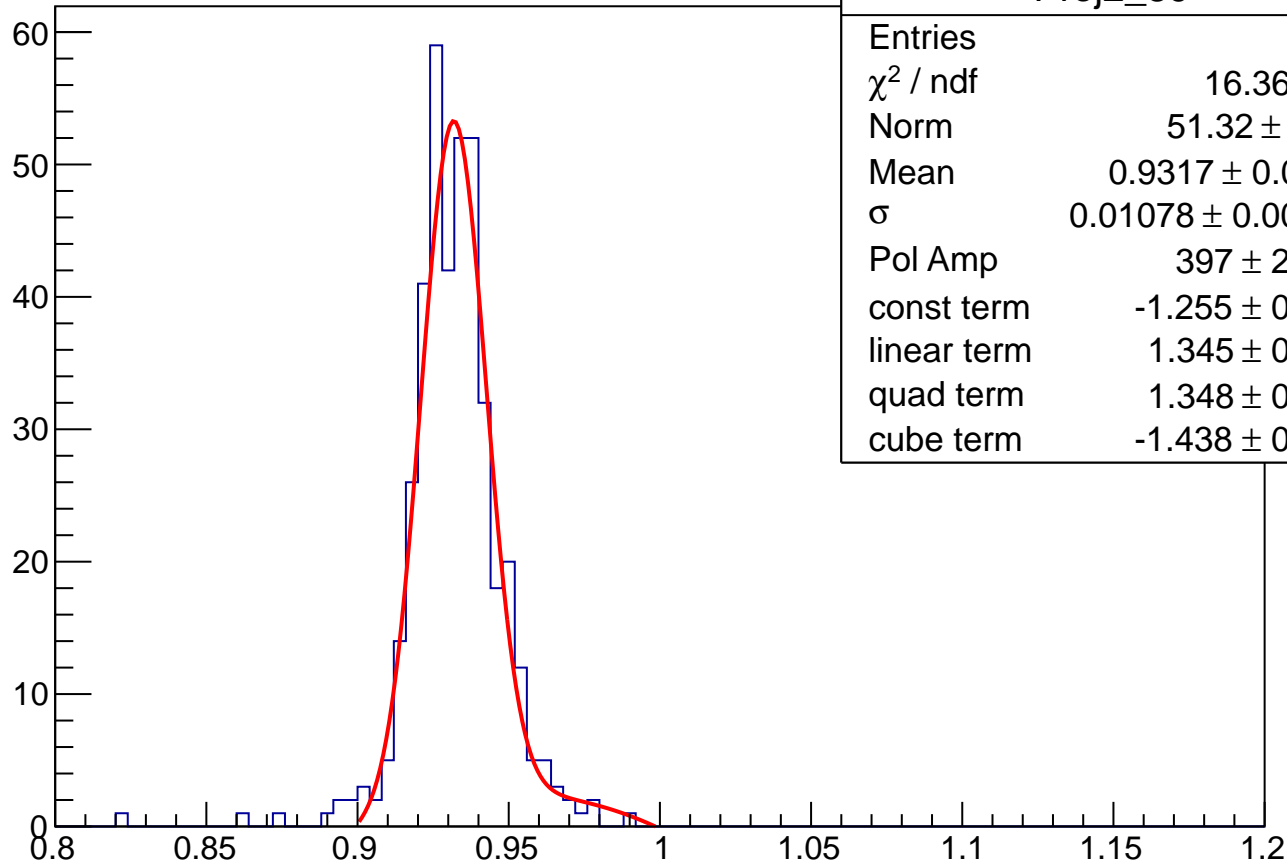
PhiThetaMassPim



Proj2_88

Entries	366
χ^2 / ndf	13.65 / 11
Norm	48.44 ± 3.80
Mean	0.9326 ± 0.0007
σ	0.009793 ± 0.000752
Pol Amp	299.8 ± 290.7
const term	-0.4295 ± 0.0200
linear term	0.506 ± 0.021
quad term	0.4725 ± 0.0211
cube term	-0.5466 ± 0.0211

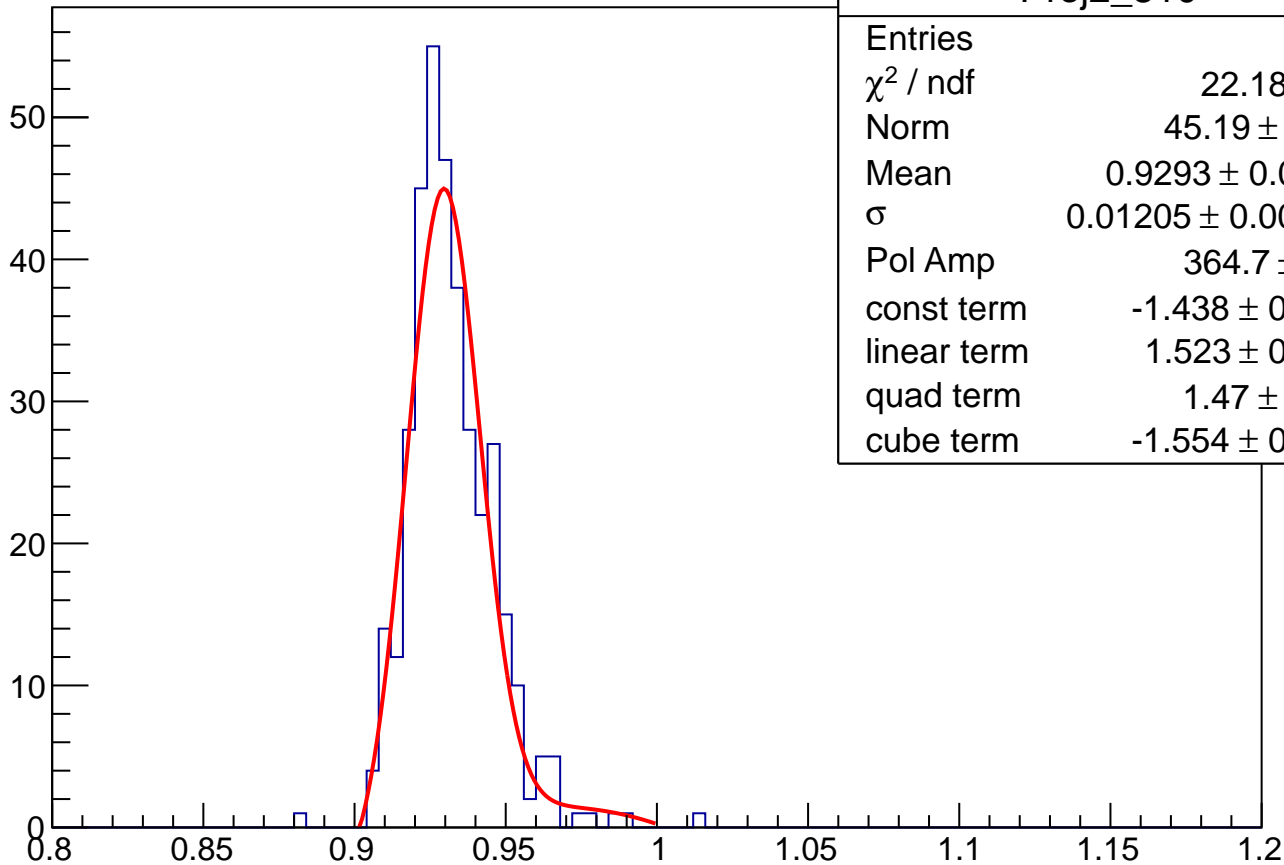
PhiThetaMassPim



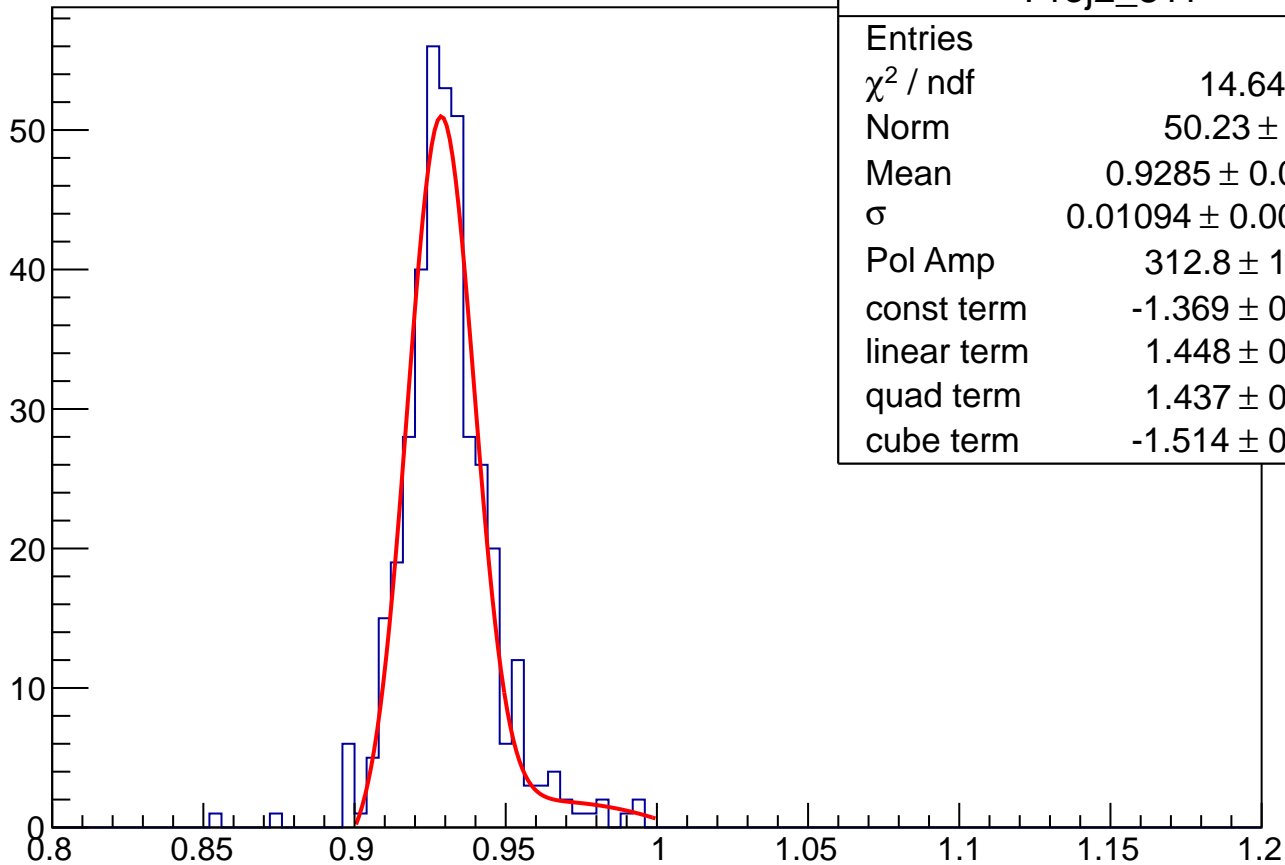
Proj2_89

Entries	405
χ^2 / ndf	16.36 / 13
Norm	51.32 ± 3.62
Mean	0.9317 ± 0.0007
σ	0.01078 ± 0.00062
Pol Amp	397 ± 260.7
const term	-1.255 ± 0.012
linear term	1.345 ± 0.014
quad term	1.348 ± 0.014
cube term	-1.438 ± 0.014

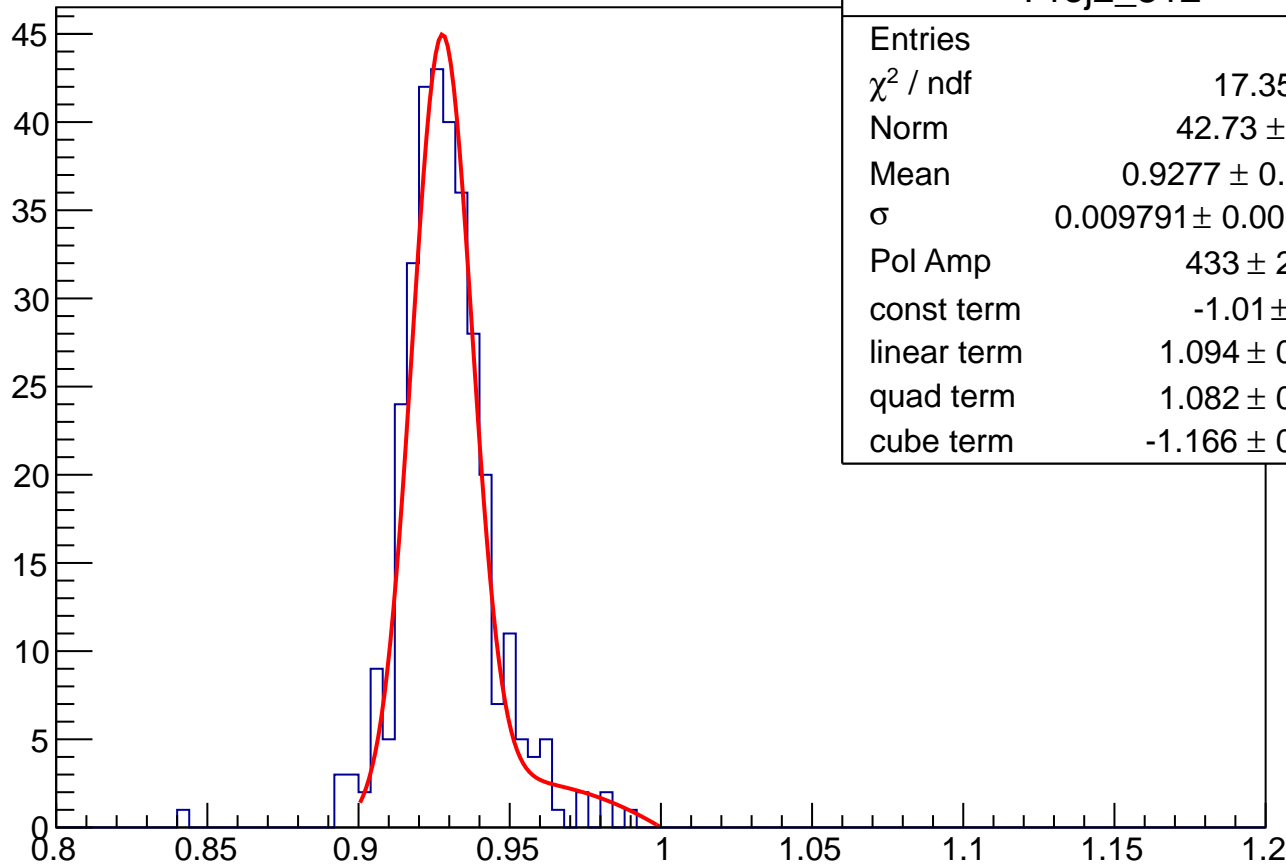
PhiThetaMassPim



PhiThetaMassPim



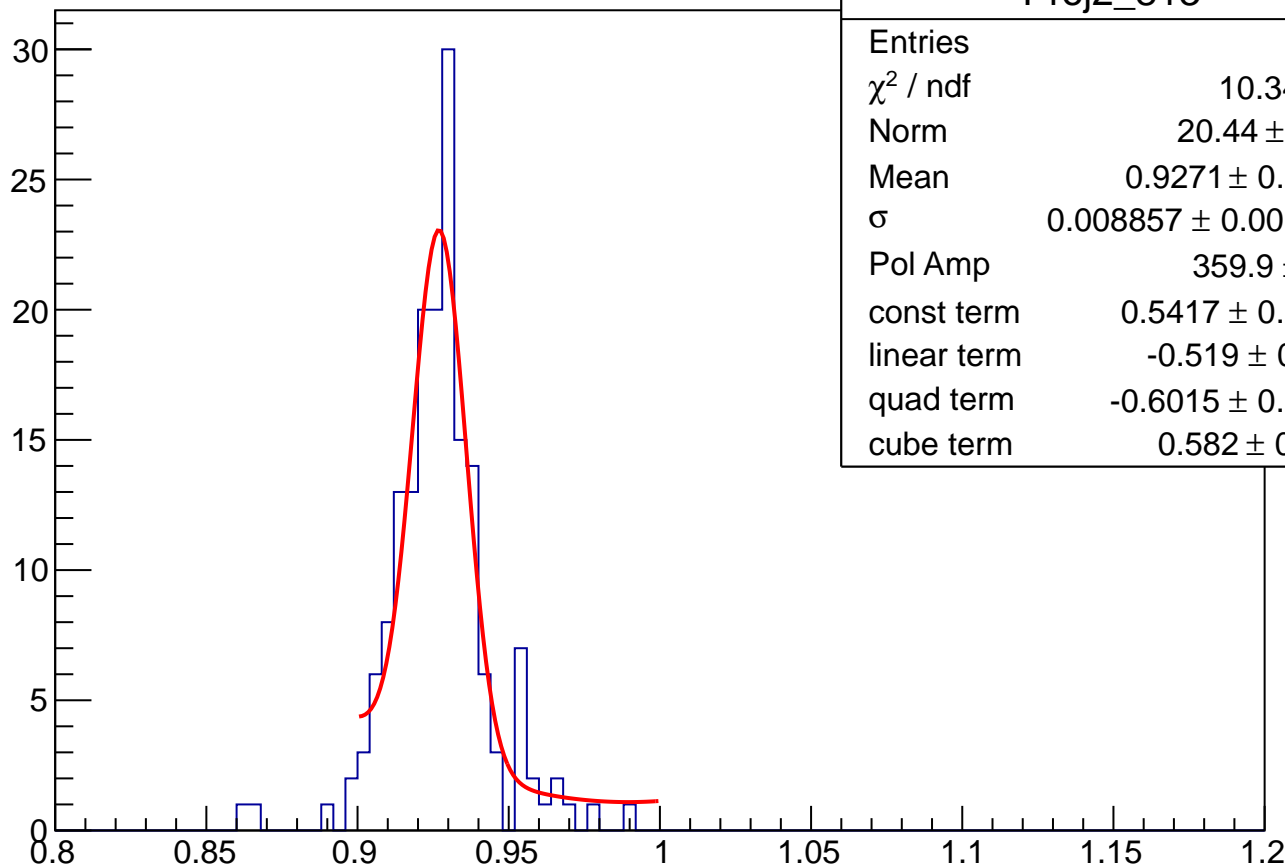
PhiThetaMassPim



Proj2_812

Entries	326
χ^2 / ndf	17.35 / 12
Norm	42.73 ± 3.52
Mean	0.9277 ± 0.0008
σ	0.009791 ± 0.000667
Pol Amp	433 ± 298.6
const term	-1.01 ± 0.01
linear term	1.094 ± 0.013
quad term	1.082 ± 0.013
cube term	-1.166 ± 0.013

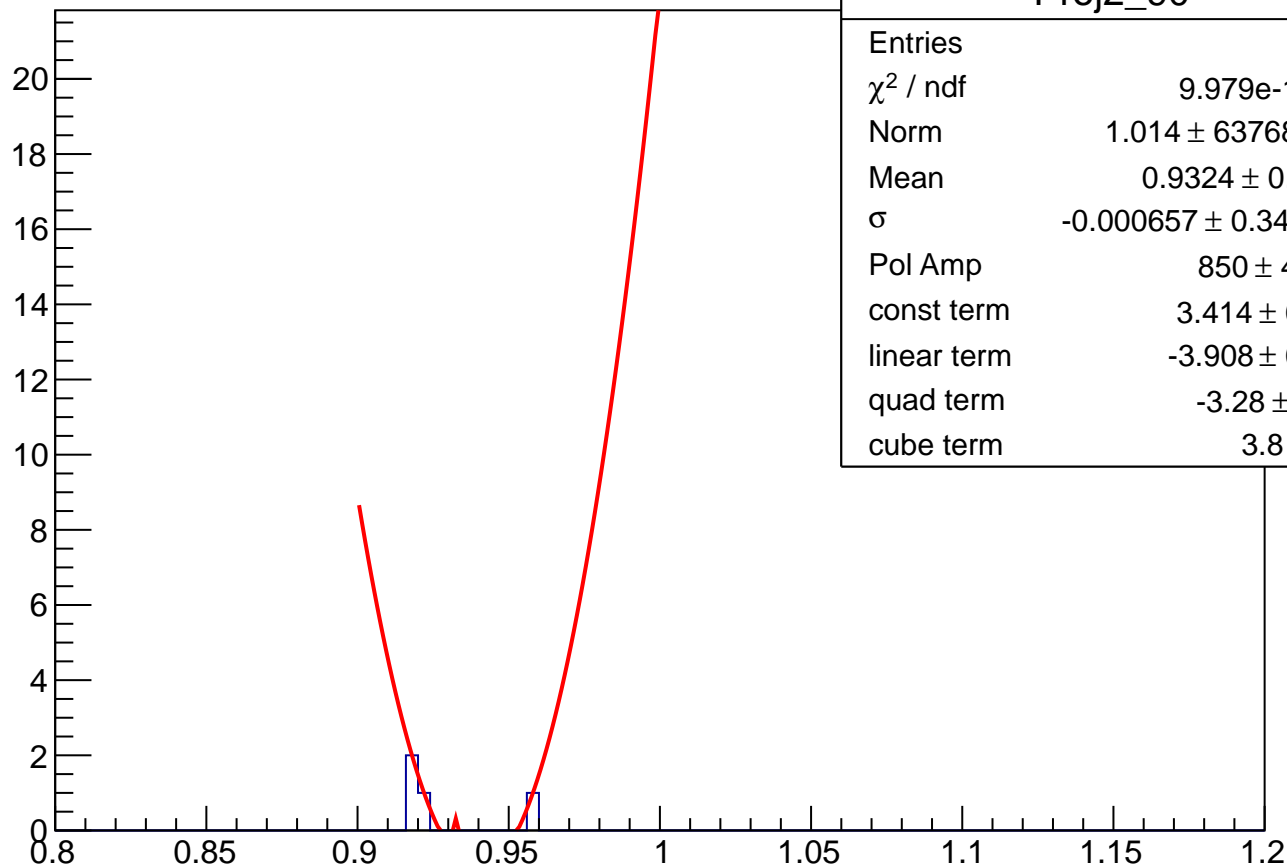
PhiThetaMassPim



Proj2_813

Entries	171
χ^2 / ndf	10.34 / 11
Norm	20.44 ± 2.72
Mean	0.9271 ± 0.0009
σ	0.008857 ± 0.001218
Pol Amp	359.9 ± 1.6
const term	0.5417 ± 0.2845
linear term	-0.519 ± 0.314
quad term	-0.6015 ± 0.3200
cube term	0.582 ± 0.353

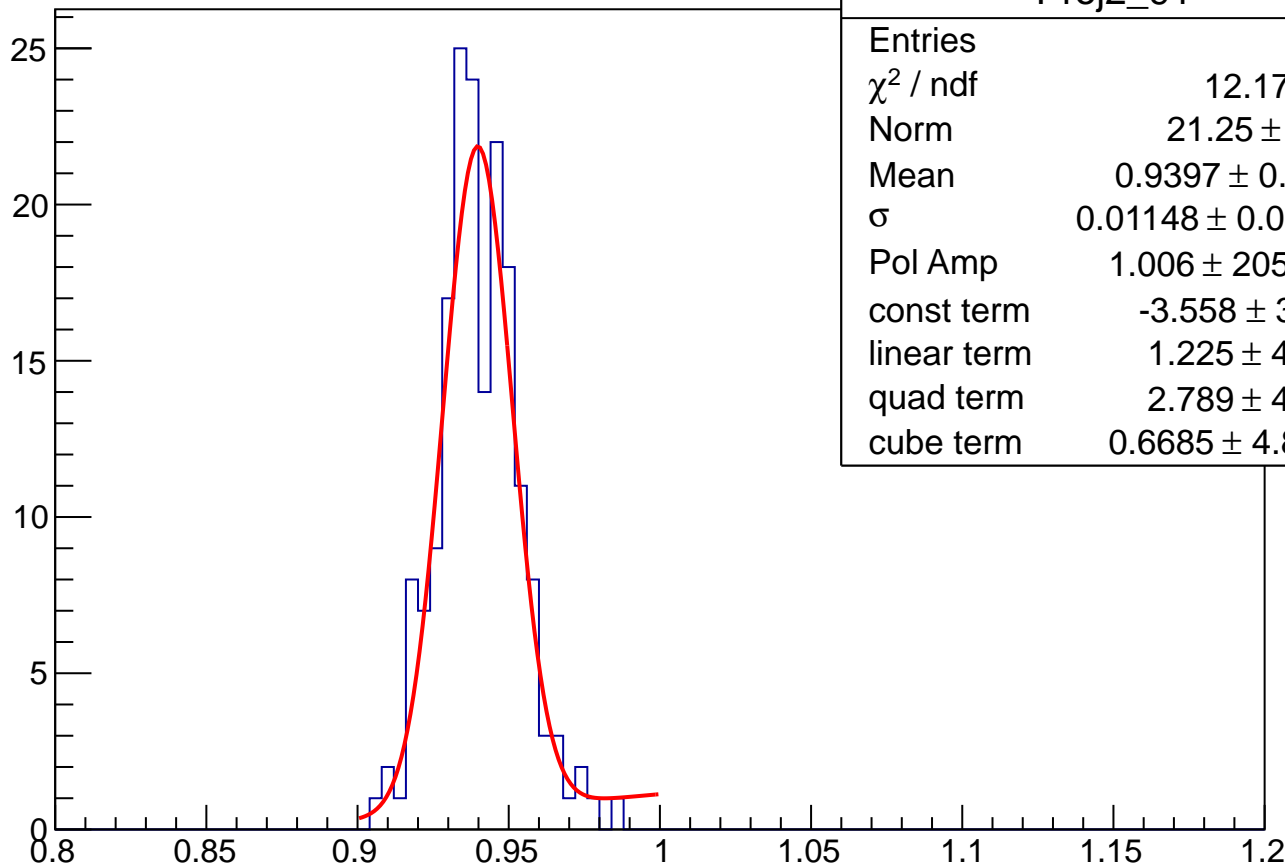
PhiThetaMassPim



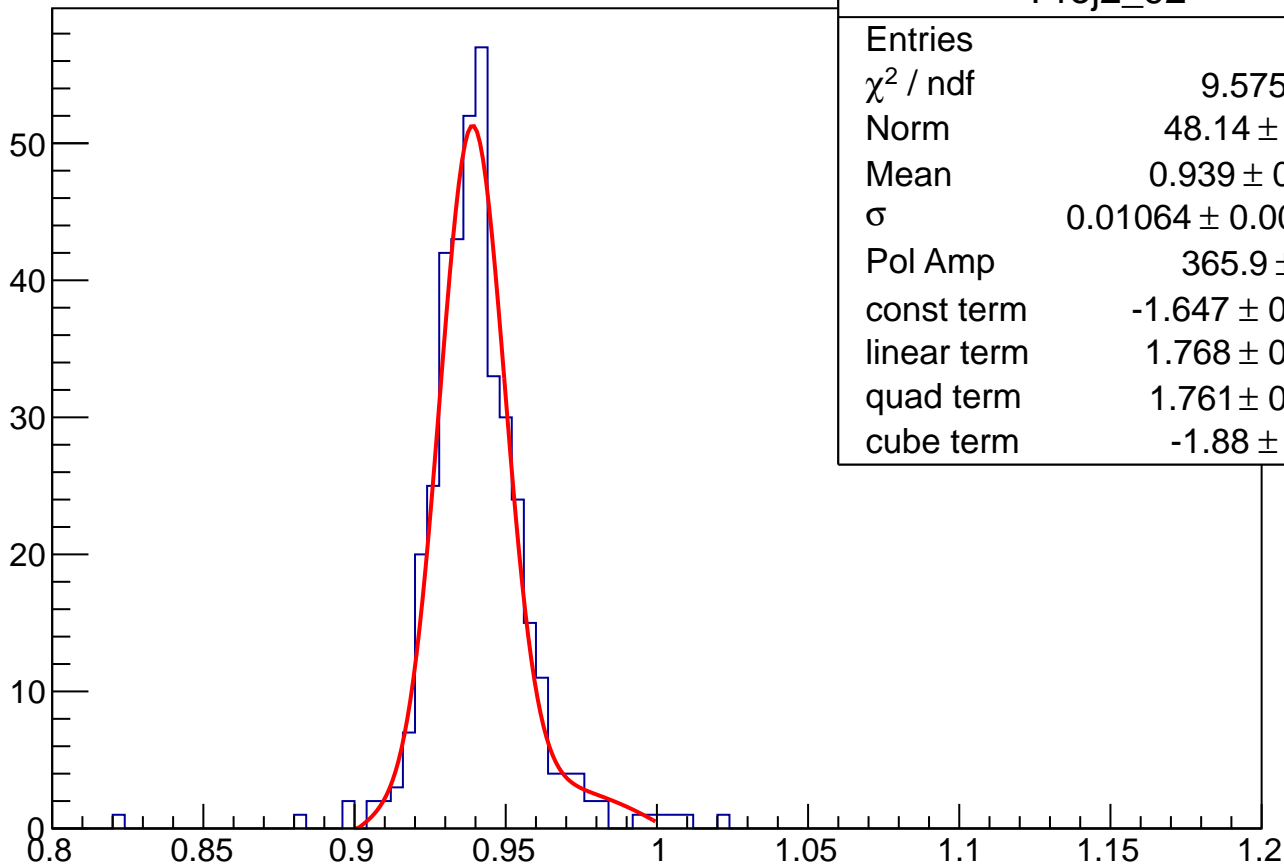
Proj2_90

Entries	4
χ^2 / ndf	9.979e-10 / 0
Norm	1.014 ± 63768.500
Mean	0.9324 ± 0.0761
σ	-0.000657 ± 0.347037
Pol Amp	850 ± 424.8
const term	3.414 ± 0.001
linear term	-3.908 ± 0.001
quad term	-3.28 ± 0.00
cube term	3.8 ± 0.0

PhiThetaMassPim



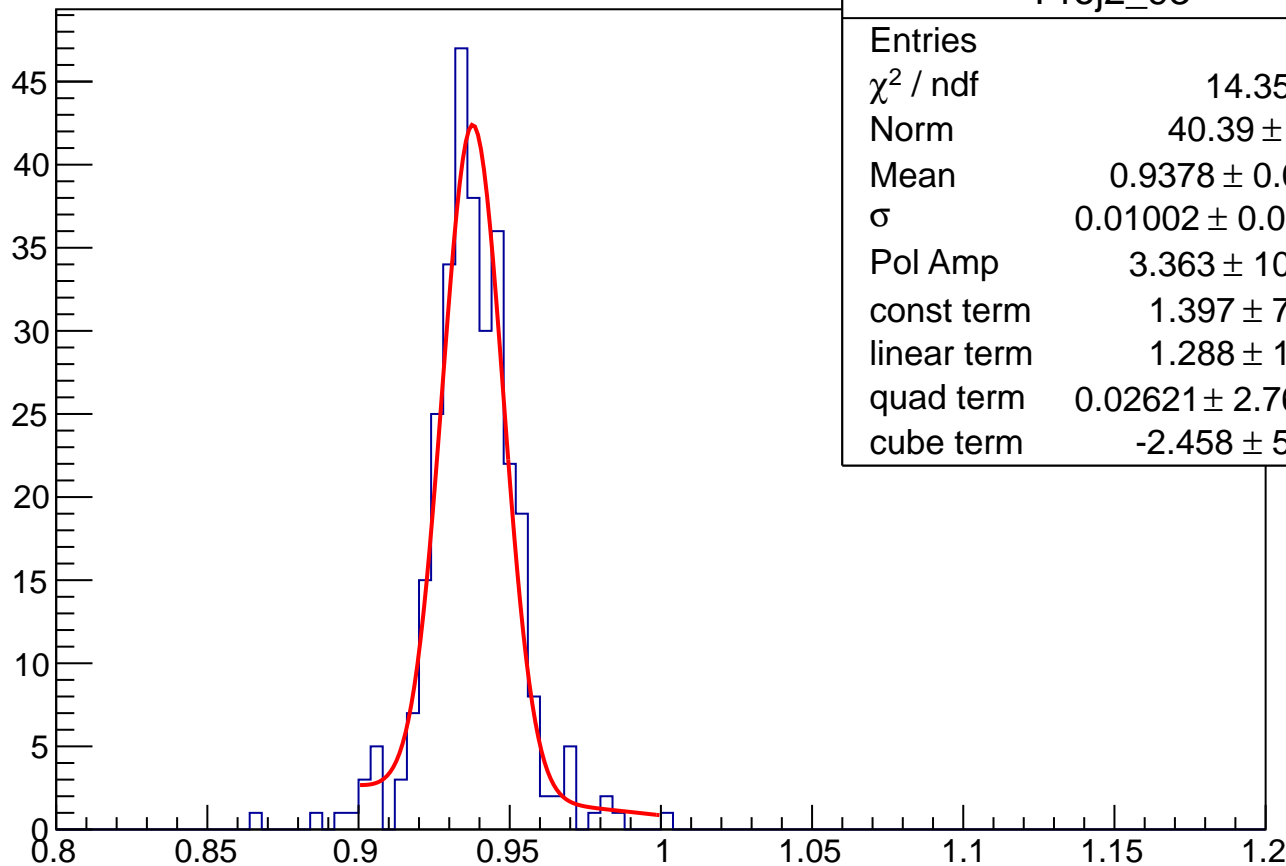
PhiThetaMassPim



Proj2_92

Entries	392
χ^2 / ndf	9.575 / 14
Norm	48.14 ± 3.58
Mean	0.939 ± 0.001
σ	0.01064 ± 0.00054
Pol Amp	365.9 ± 0.5
const term	-1.647 ± 0.336
linear term	1.768 ± 0.353
quad term	1.761 ± 0.355
cube term	-1.88 ± 0.37

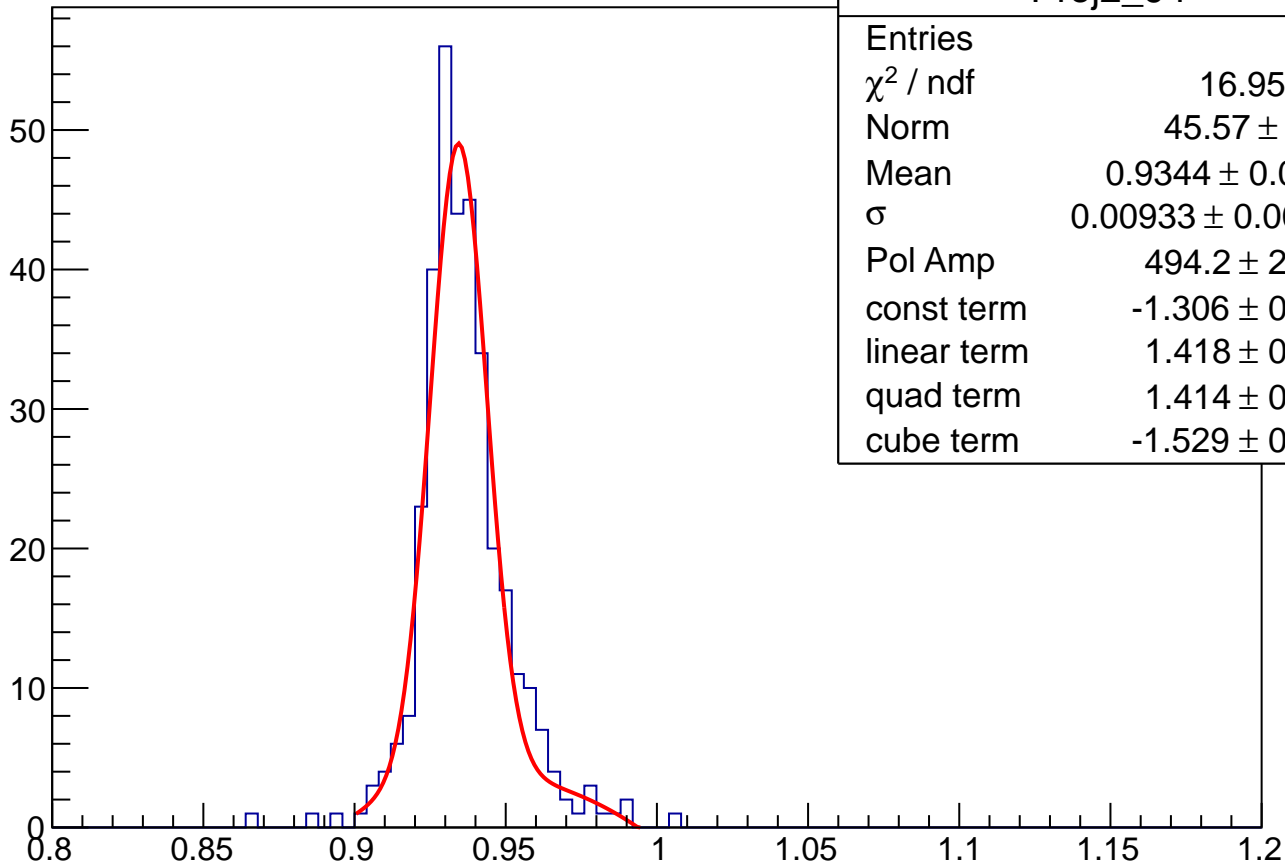
PhiThetaMassPim



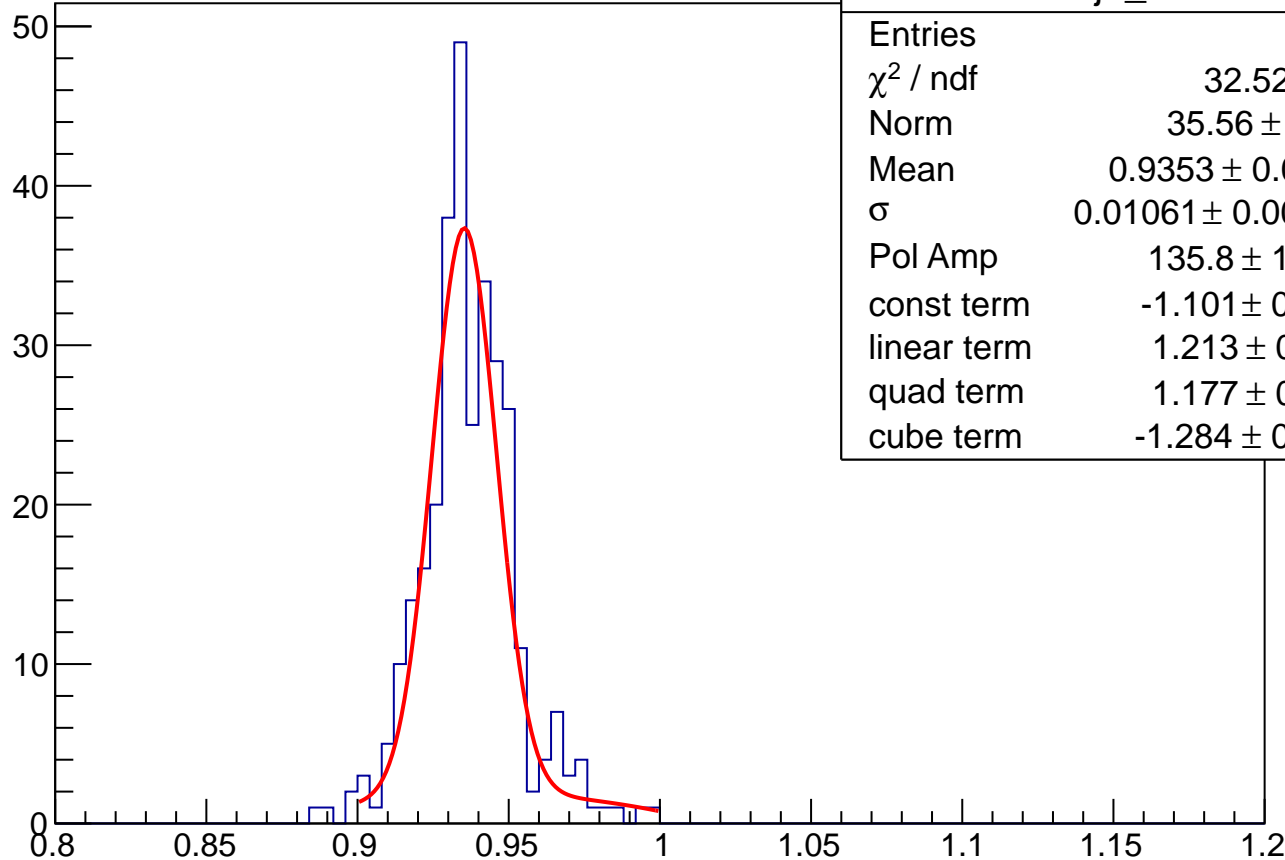
Proj2_93

Entries	310
χ^2 / ndf	14.35 / 12
Norm	40.39 ± 3.16
Mean	0.9378 ± 0.0008
σ	0.01002 ± 0.00061
Pol Amp	3.363 ± 10.822
const term	1.397 ± 7.369
linear term	1.288 ± 1.567
quad term	0.02621 ± 2.76818
cube term	-2.458 ± 5.526

PhiThetaMassPim



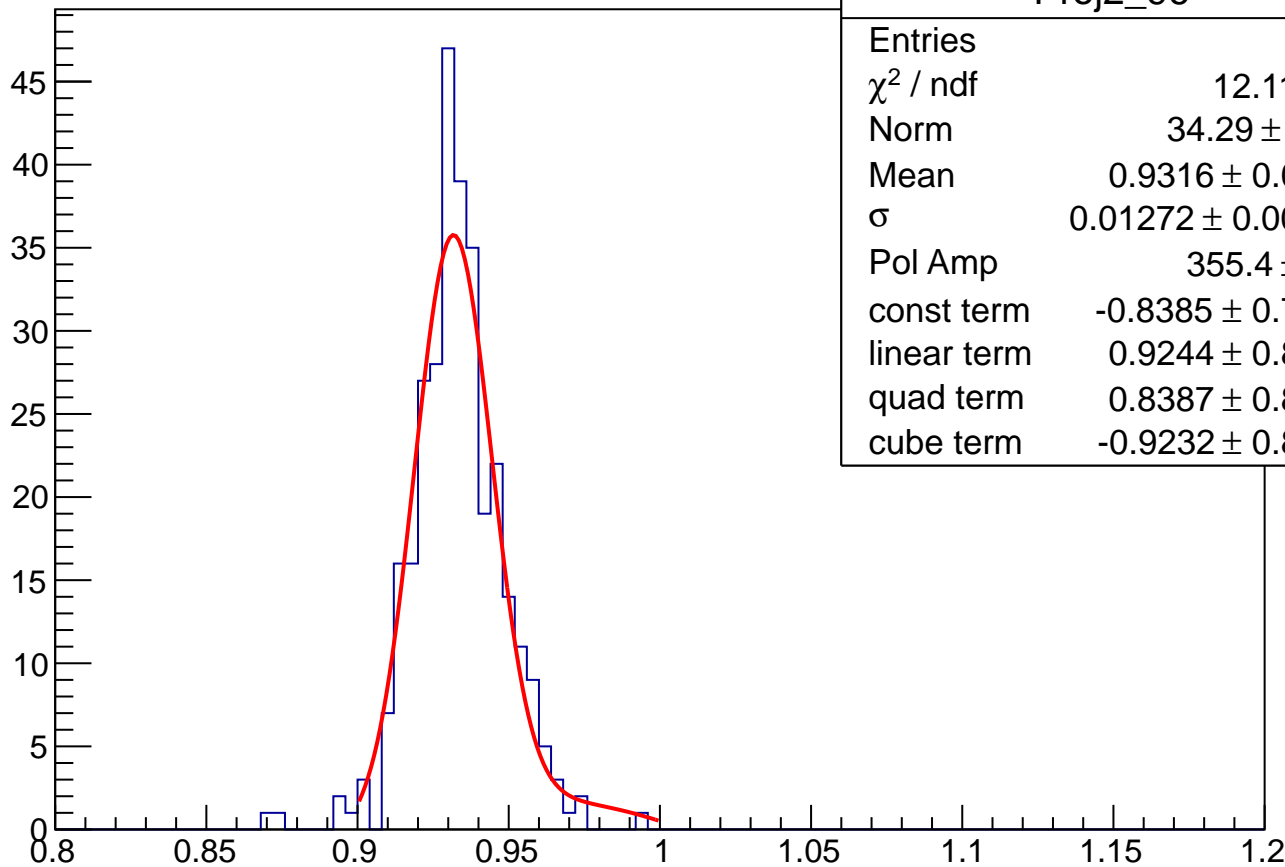
PhiThetaMassPim



Proj2_95

Entries	310
χ^2 / ndf	32.52 / 16
Norm	35.56 ± 3.00
Mean	0.9353 ± 0.0008
σ	0.01061 ± 0.00076
Pol Amp	135.8 ± 197.0
const term	-1.101 ± 0.027
linear term	1.213 ± 0.031
quad term	1.177 ± 0.031
cube term	-1.284 ± 0.029

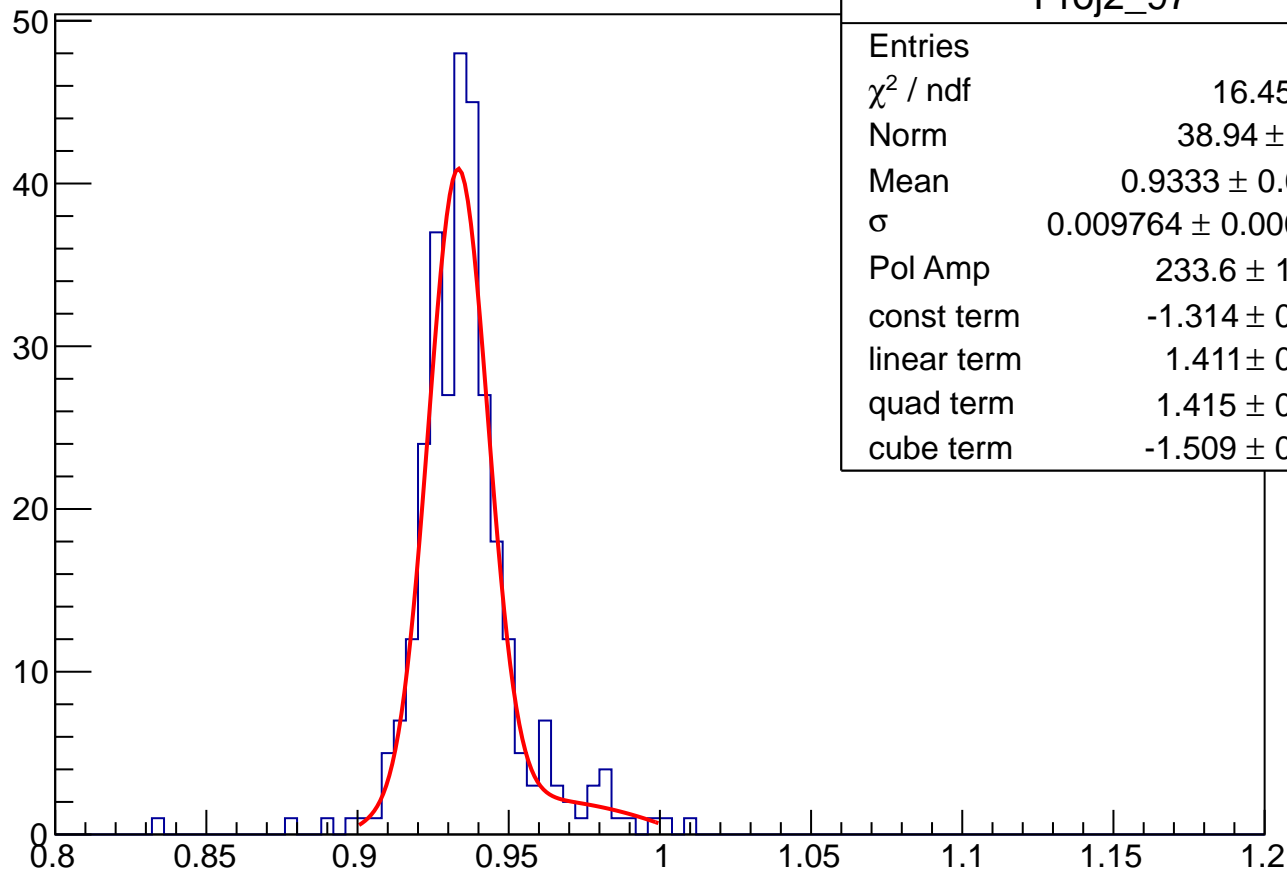
PhiThetaMassPim



Proj2_96

Entries	310
χ^2 / ndf	12.11 / 11
Norm	34.29 ± 2.90
Mean	0.9316 ± 0.0003
σ	0.01272 ± 0.00160
Pol Amp	355.4 ± 3.0
const term	-0.8385 ± 0.7568
linear term	0.9244 ± 0.8192
quad term	0.8387 ± 0.8192
cube term	-0.9232 ± 0.8857

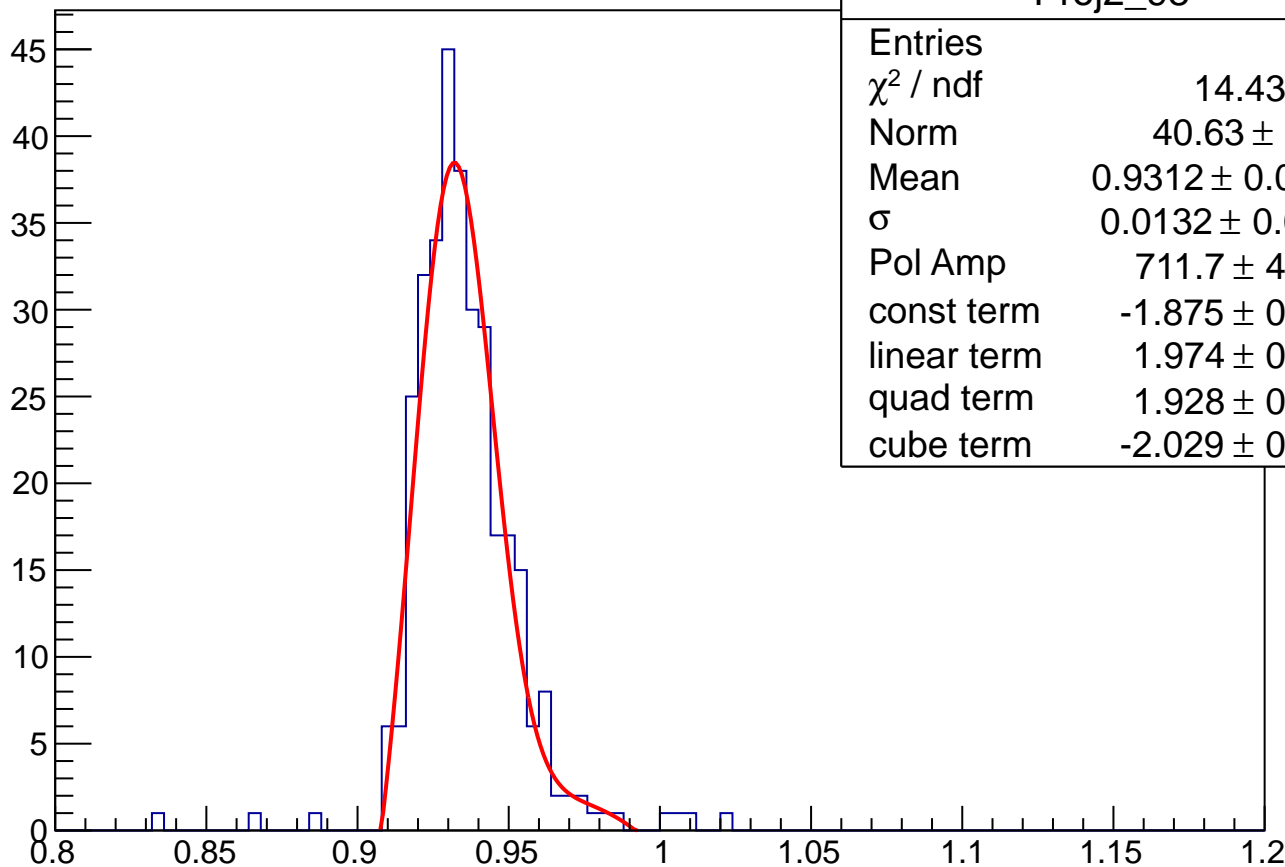
PhiThetaMassPim



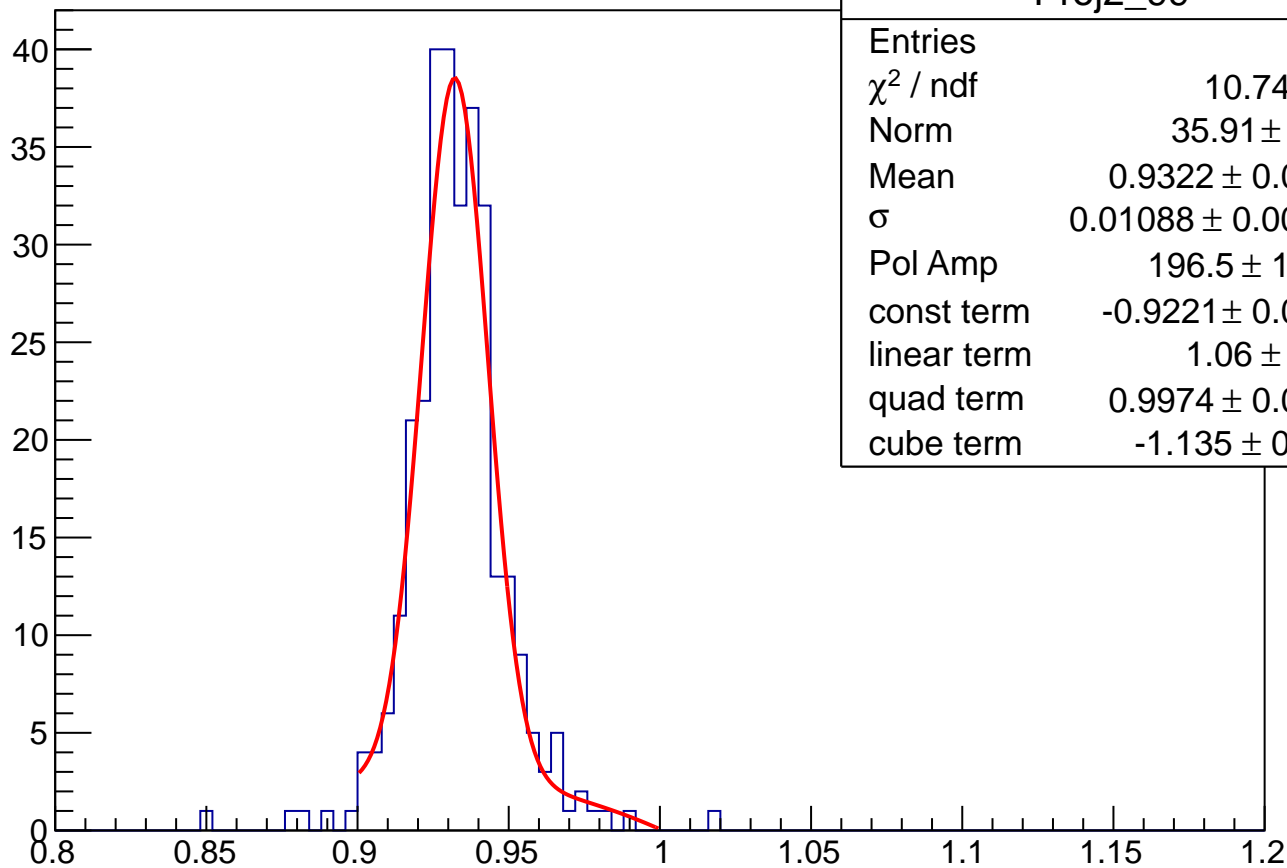
Proj2_97

Entries	301
χ^2 / ndf	16.45 / 16
Norm	38.94 ± 3.30
Mean	0.9333 ± 0.0008
σ	0.009764 ± 0.000649
Pol Amp	233.6 ± 162.7
const term	-1.314 ± 0.015
linear term	1.411 ± 0.018
quad term	1.415 ± 0.018
cube term	-1.509 ± 0.017

PhiThetaMassPim



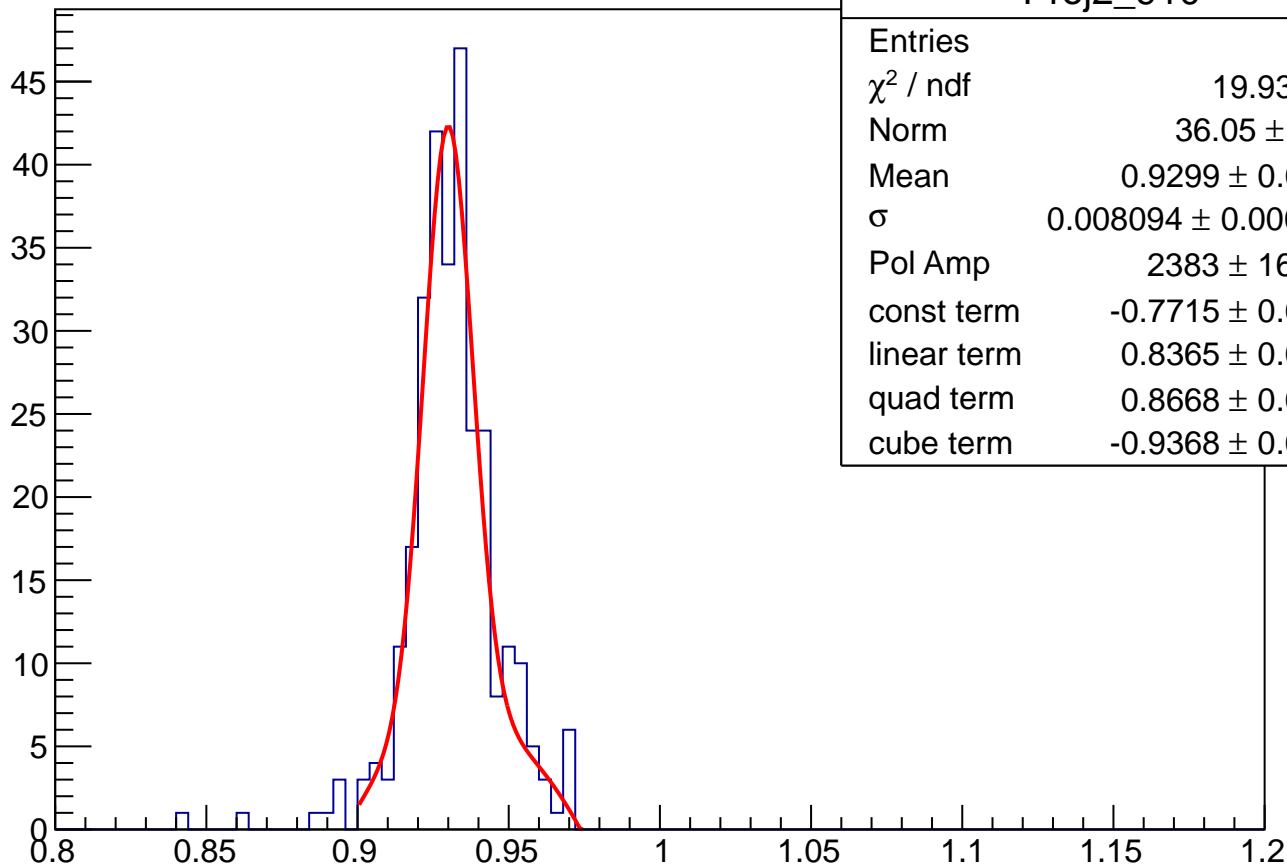
PhiThetaMassPim



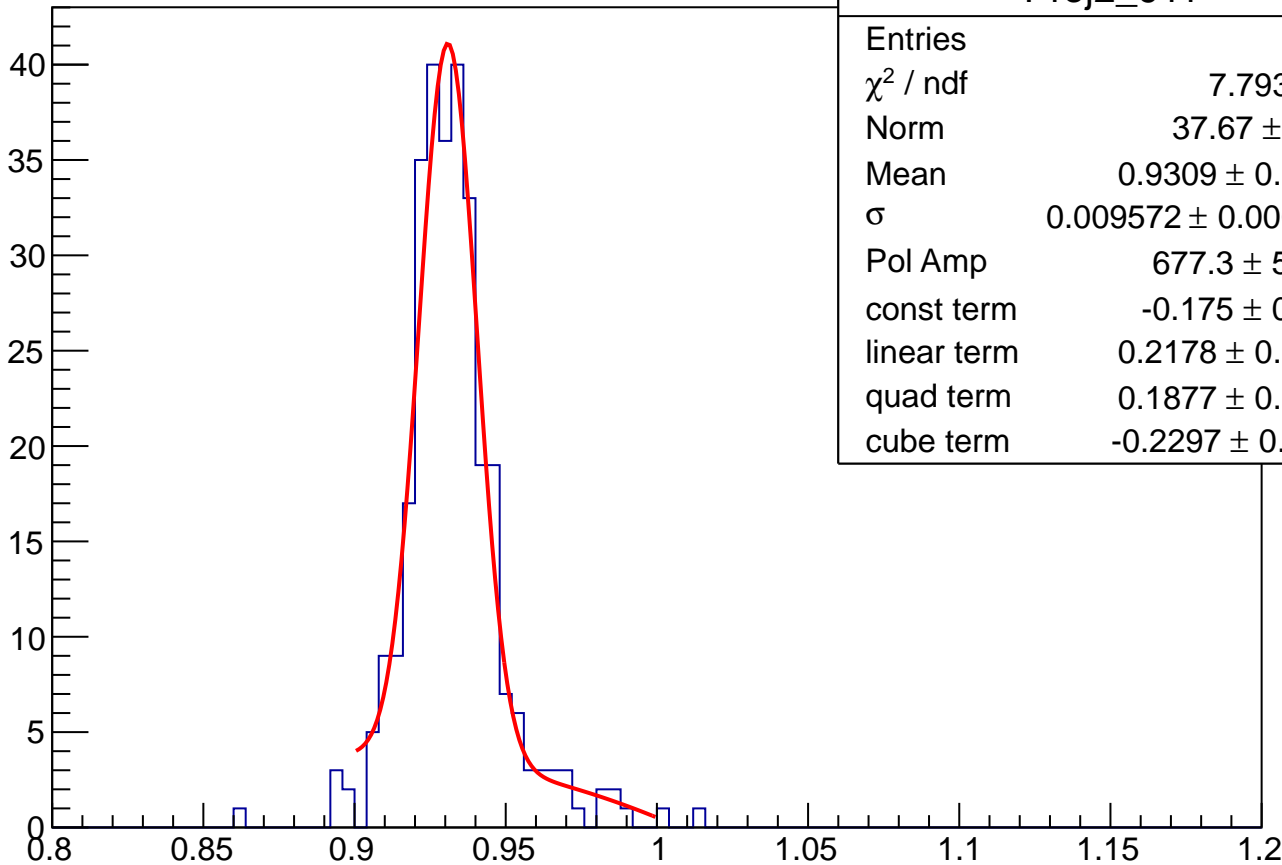
Proj2_99

Entries	309
χ^2 / ndf	10.74 / 14
Norm	35.91 ± 3.15
Mean	0.9322 ± 0.0008
σ	0.01088 ± 0.00102
Pol Amp	196.5 ± 199.8
const term	-0.9221 ± 0.0237
linear term	1.06 ± 0.02
quad term	0.9974 ± 0.0250
cube term	-1.135 ± 0.025

PhiThetaMassPim



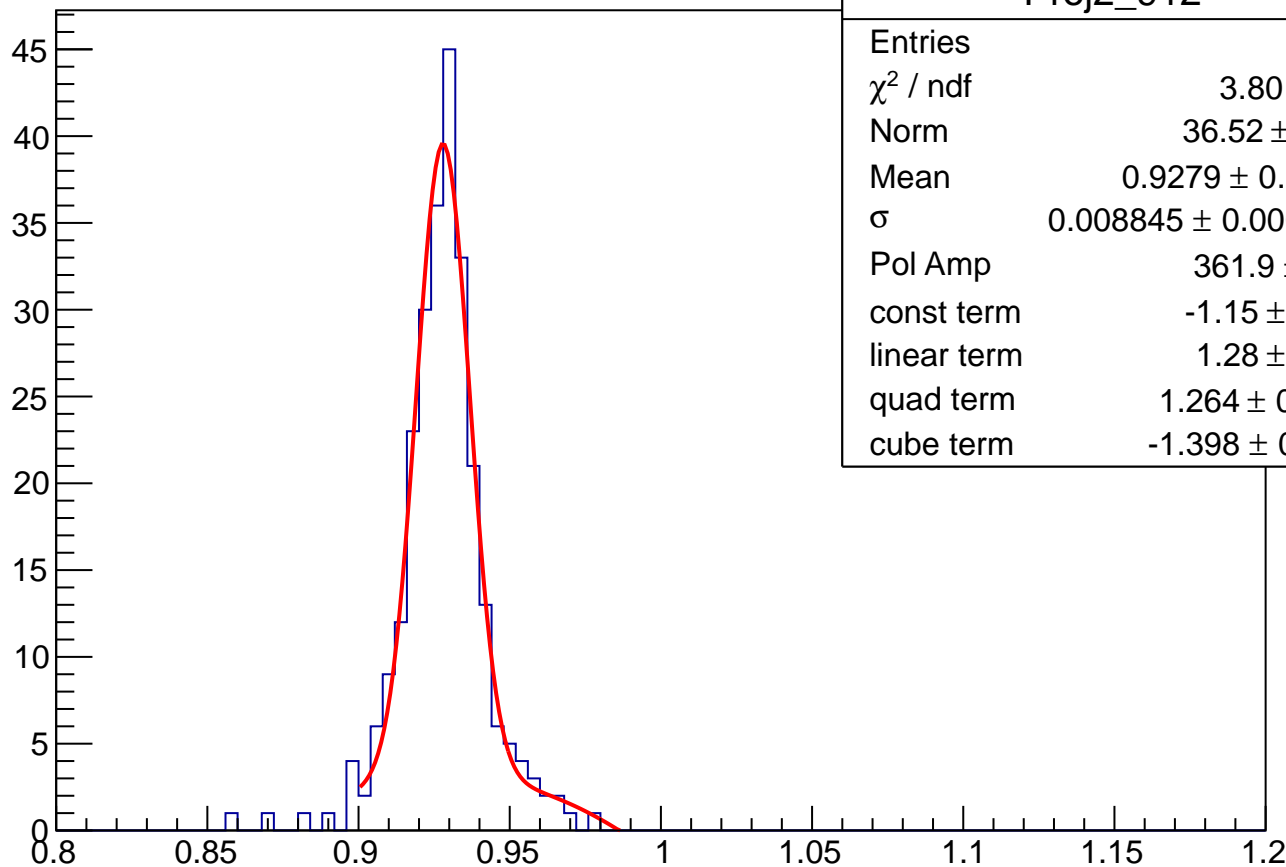
PhiThetaMassPim



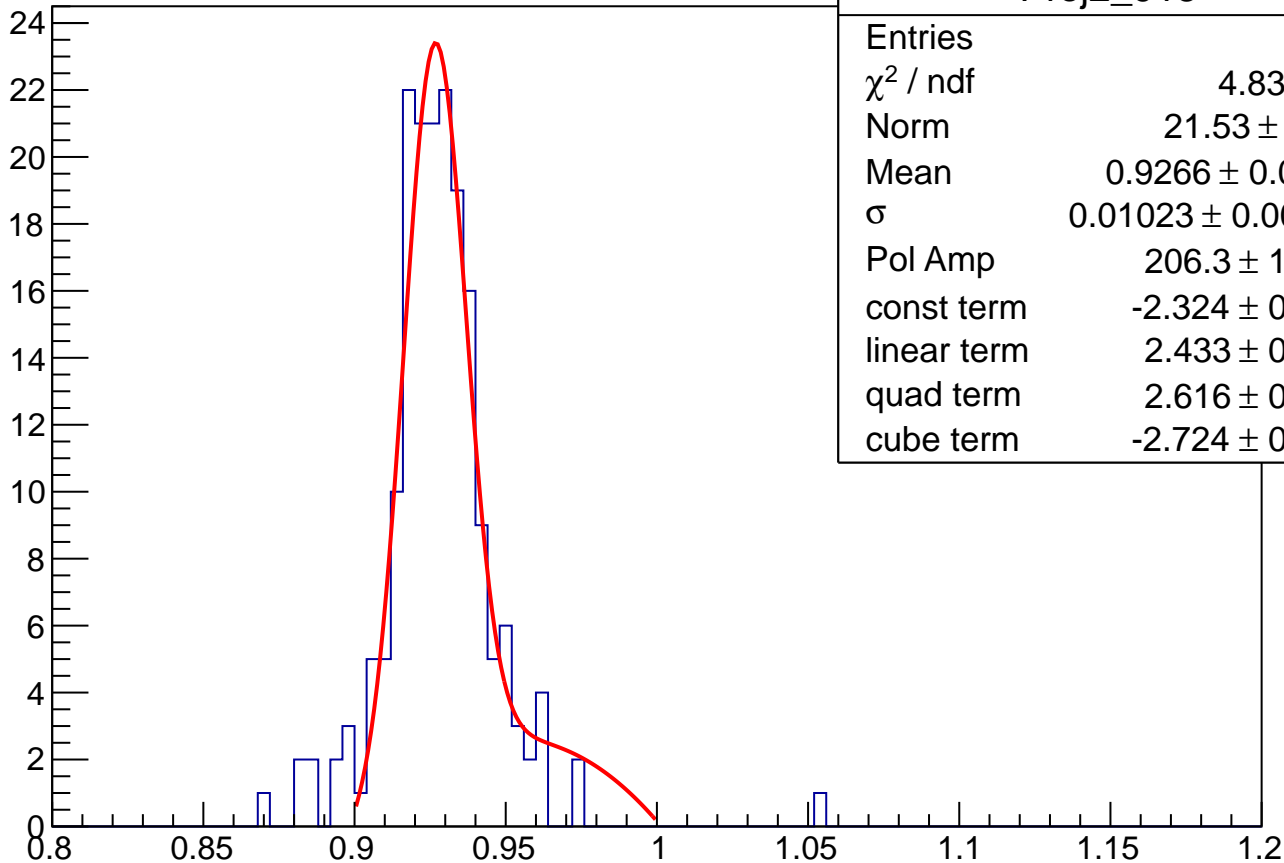
Proj2_911

Entries	301
χ^2 / ndf	7.793 / 13
Norm	37.67 ± 3.45
Mean	0.9309 ± 0.0008
σ	0.009572 ± 0.000896
Pol Amp	677.3 ± 547.7
const term	-0.175 ± 0.008
linear term	0.2178 ± 0.0079
quad term	0.1877 ± 0.0080
cube term	-0.2297 ± 0.0081

PhiThetaMassPim



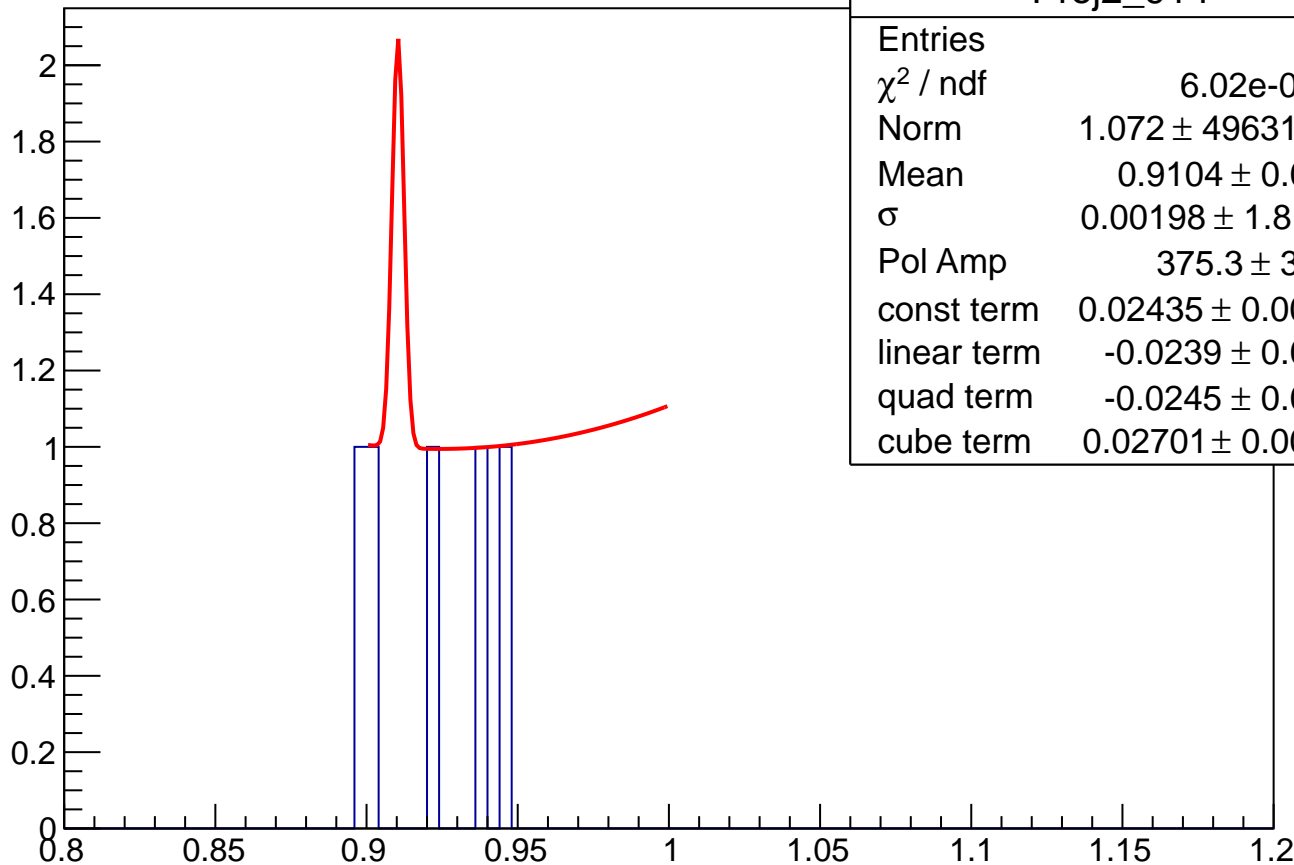
PhiThetaMassPim



Proj2_913

Entries	184
χ^2 / ndf	4.835 / 9
Norm	21.53 ± 2.50
Mean	0.9266 ± 0.0013
σ	0.01023 ± 0.00119
Pol Amp	206.3 ± 145.8
const term	-2.324 ± 0.028
linear term	2.433 ± 0.030
quad term	2.616 ± 0.033
cube term	-2.724 ± 0.034

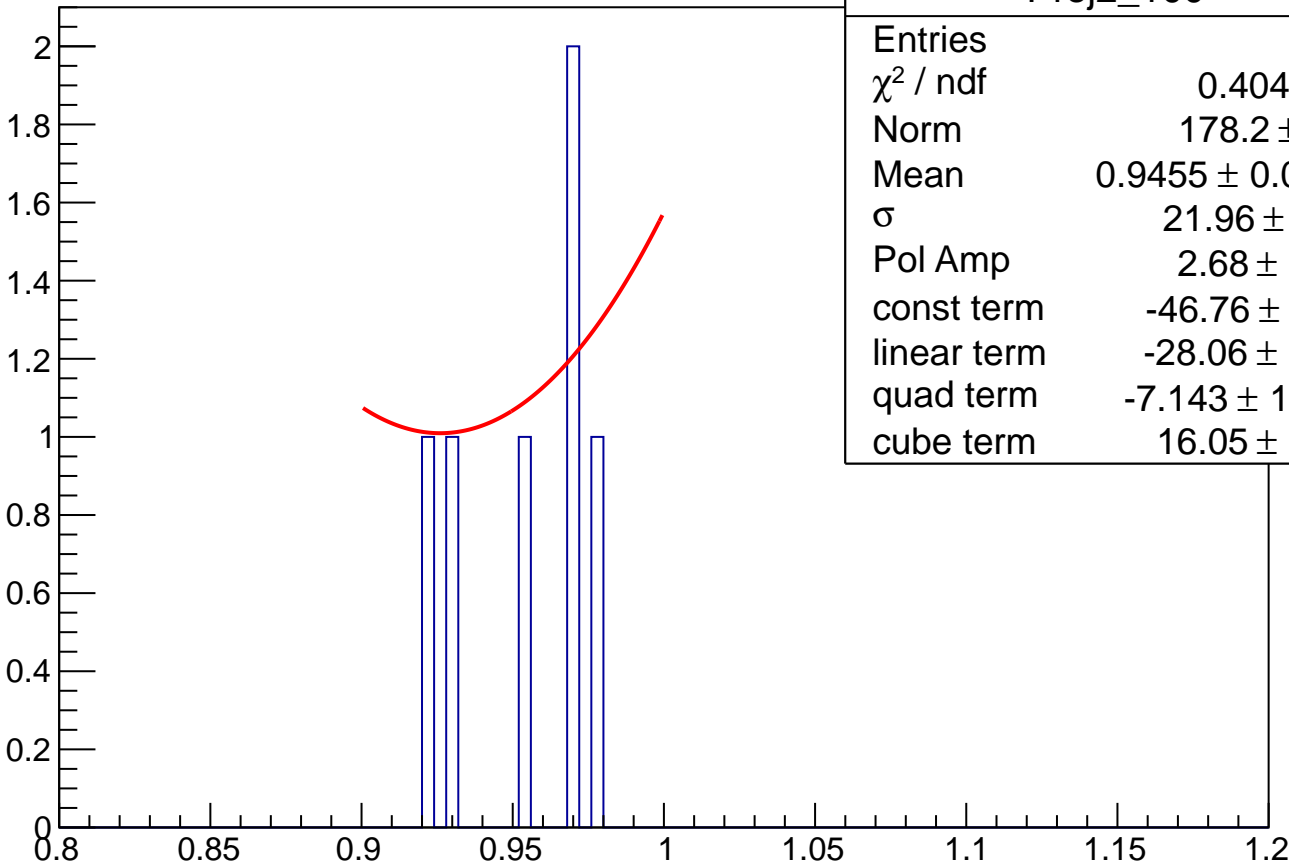
PhiThetaMassPim



Proj2_914

Entries	5
χ^2 / ndf	6.02e-05 / 0
Norm	1.072 ± 49631.605
Mean	0.9104 ± 0.0637
σ	0.00198 ± 1.81163
Pol Amp	375.3 ± 361.9
const term	0.02435 ± 0.00257
linear term	-0.0239 ± 0.0028
quad term	-0.0245 ± 0.0030
cube term	0.02701 ± 0.00319

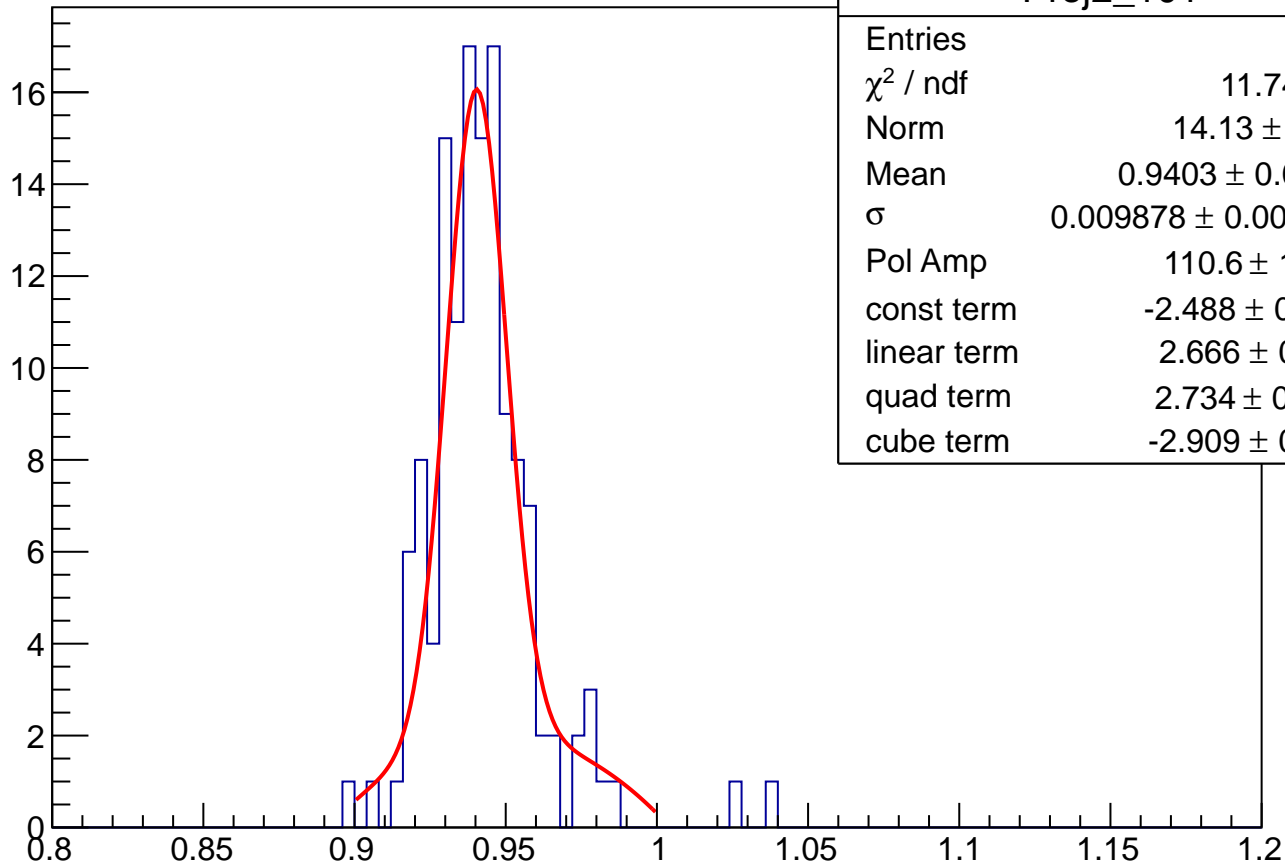
PhiThetaMassPim



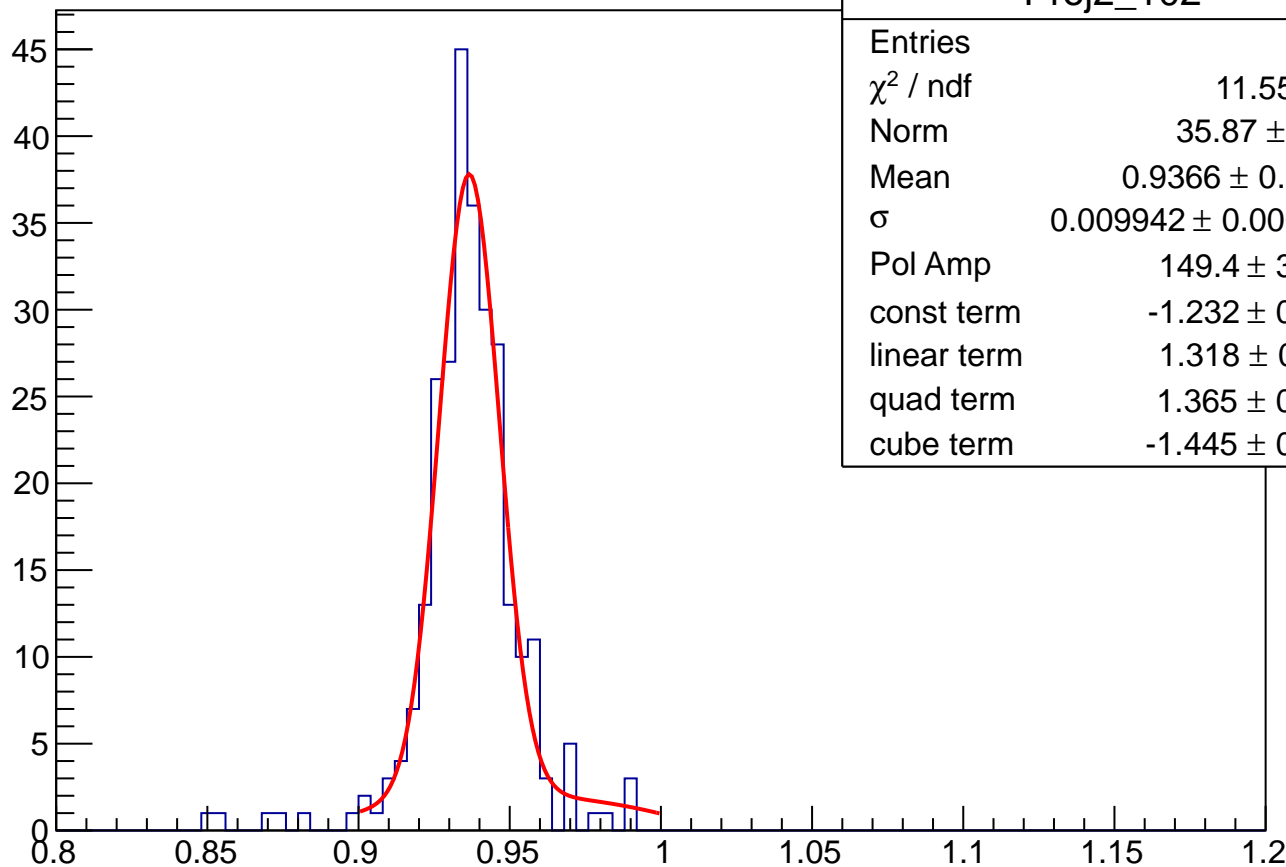
Proj2_100

Entries	6
χ^2 / ndf	0.4045 / 0
Norm	178.2 ± 4.9
Mean	0.9455 ± 0.0707
σ	21.96 ± 1.41
Pol Amp	2.68 ± 0.08
const term	-46.76 ± 1.14
linear term	-28.06 ± 1.16
quad term	-7.143 ± 1.155
cube term	16.05 ± 1.13

PhiThetaMassPim



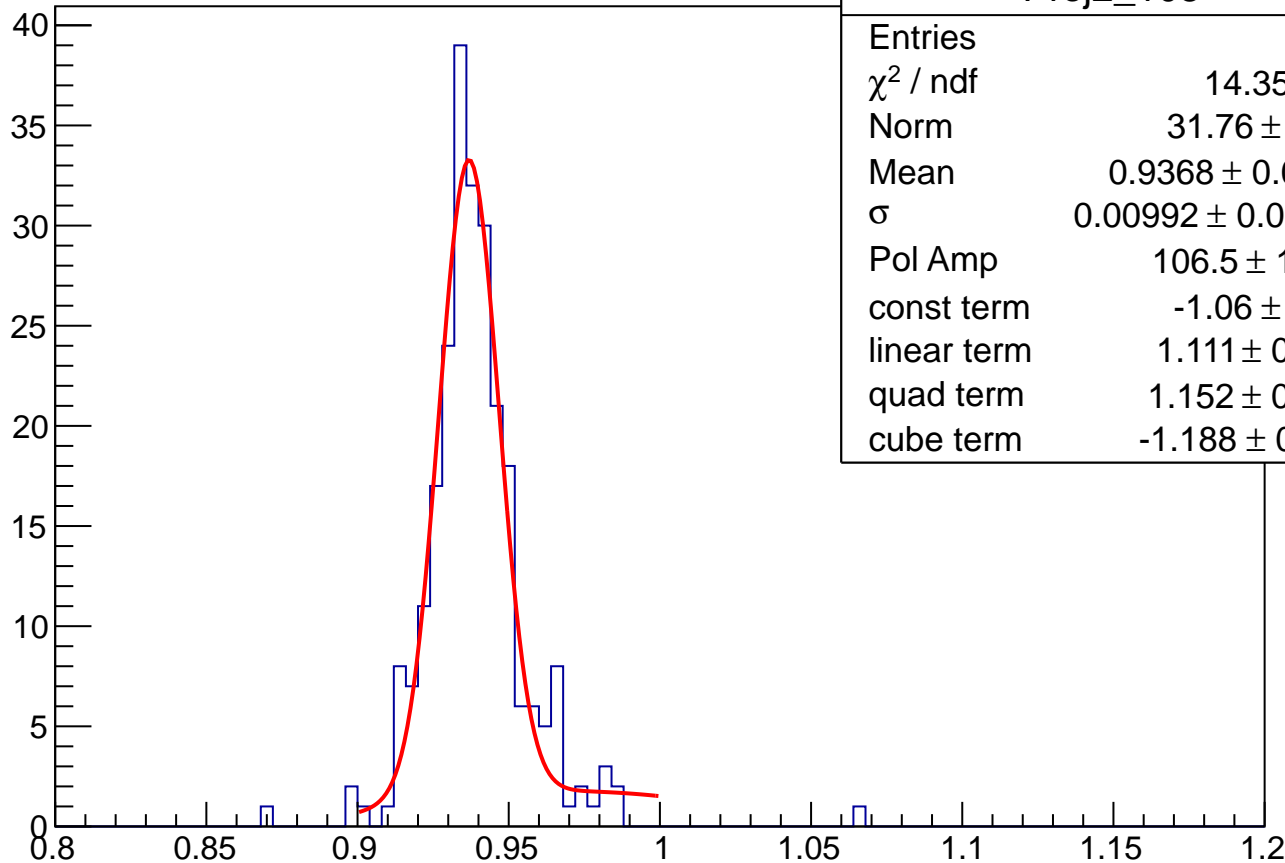
PhiThetaMassPim



Proj2_102

Entries	275
χ^2 / ndf	11.55 / 12
Norm	35.87 ± 3.33
Mean	0.9366 ± 0.0008
σ	0.009942 ± 0.000864
Pol Amp	149.4 ± 347.9
const term	-1.232 ± 0.028
linear term	1.318 ± 0.034
quad term	1.365 ± 0.037
cube term	-1.445 ± 0.036

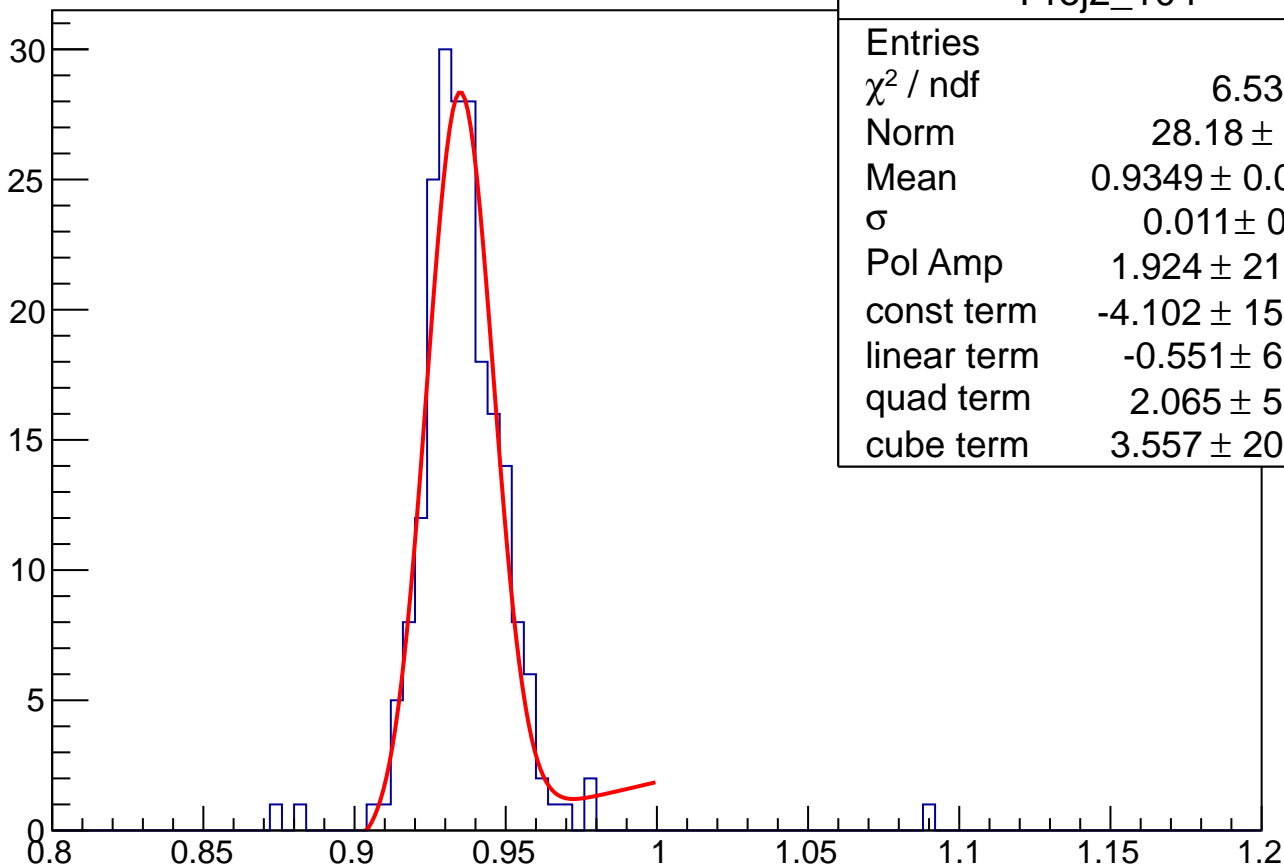
PhiThetaMassPim



Proj2_103

Entries	247
χ^2 / ndf	14.35 / 13
Norm	31.76 ± 3.08
Mean	0.9368 ± 0.0008
σ	0.00992 ± 0.00081
Pol Amp	106.5 ± 154.1
const term	-1.06 ± 0.04
linear term	1.111 ± 0.044
quad term	1.152 ± 0.048
cube term	-1.188 ± 0.051

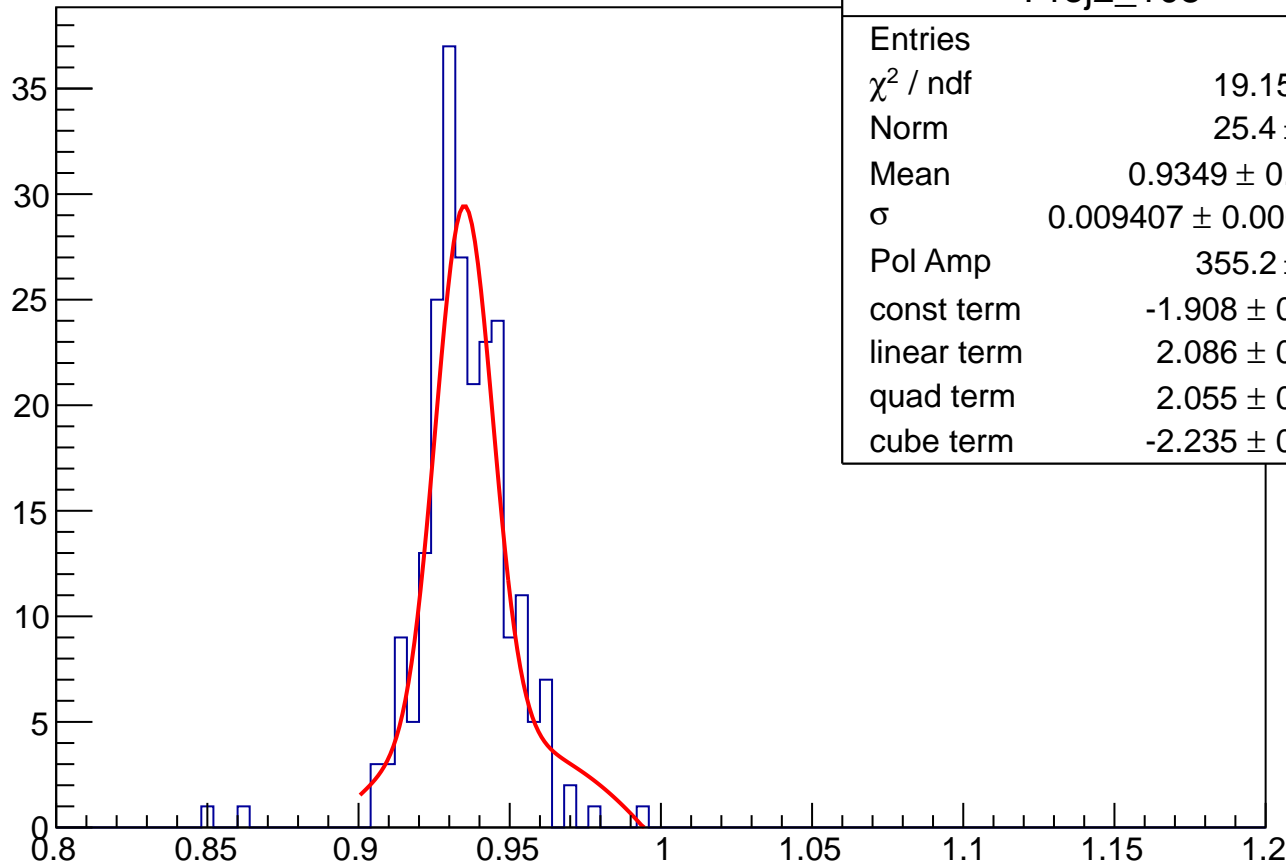
PhiThetaMassPim



Proj2_104

Entries	209
χ^2 / ndf	6.53 / 10
Norm	28.18 ± 2.54
Mean	0.9349 ± 0.0010
σ	0.011 ± 0.001
Pol Amp	1.924 ± 21.127
const term	-4.102 ± 15.552
linear term	-0.551 ± 6.133
quad term	2.065 ± 5.772
cube term	3.557 ± 20.372

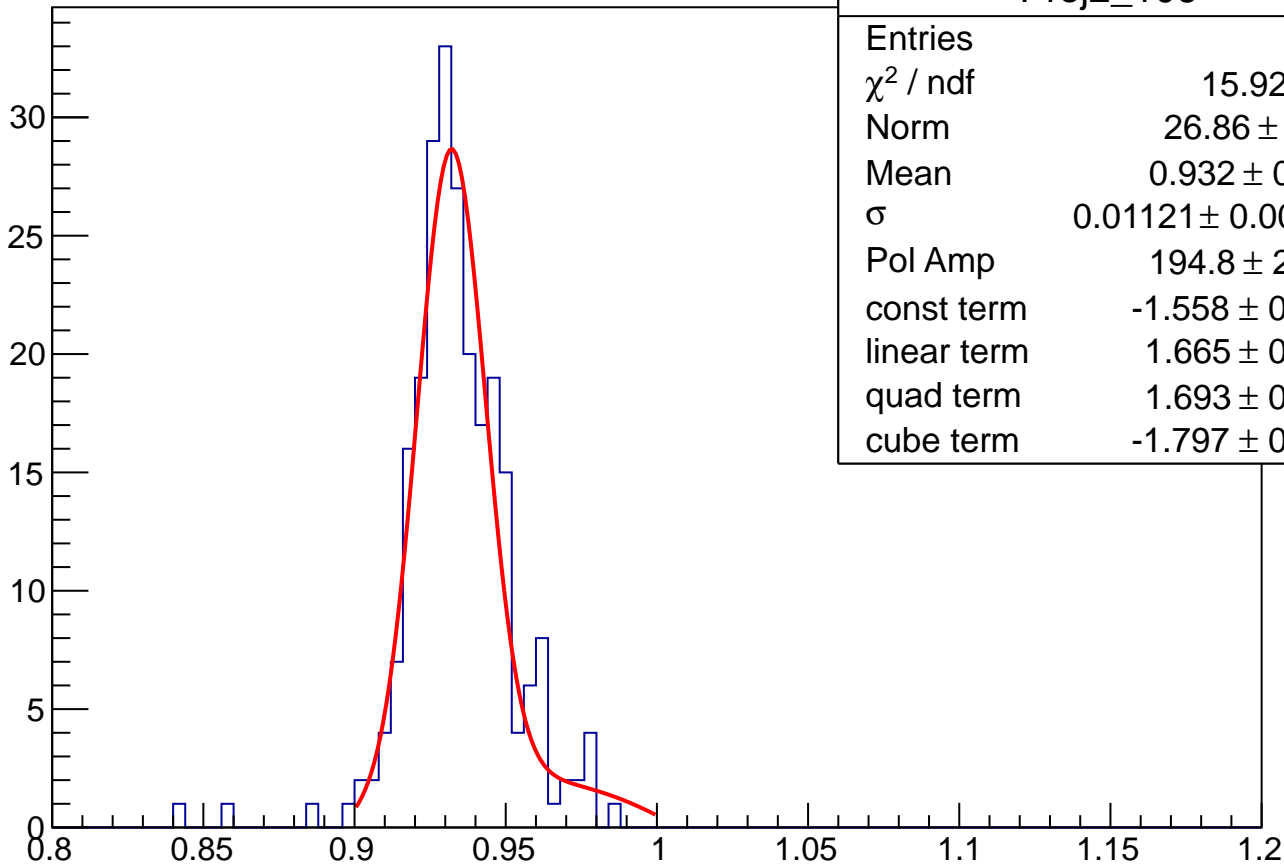
PhiThetaMassPim



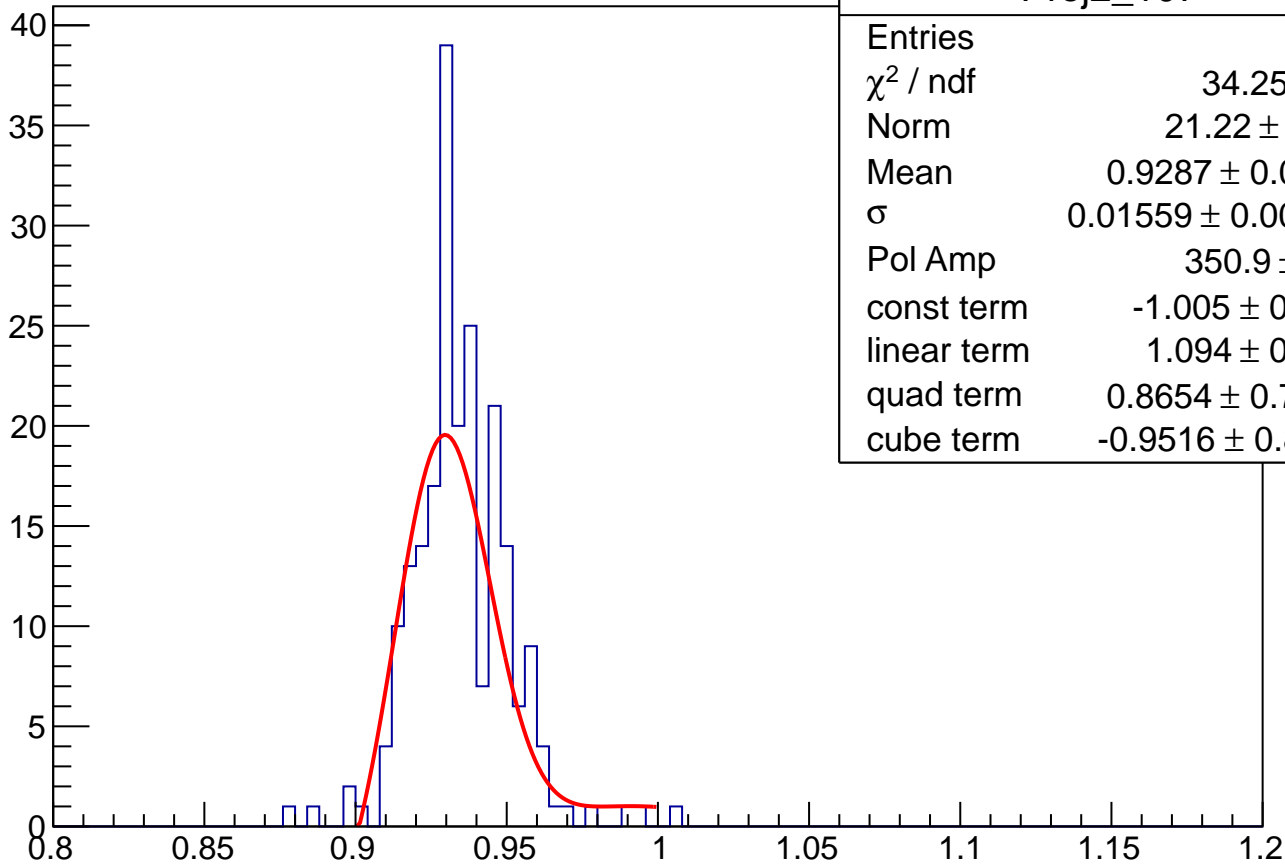
Proj2_105

Entries	228
χ^2 / ndf	19.15 / 10
Norm	25.4 ± 3.0
Mean	0.9349 ± 0.0011
σ	0.009407 ± 0.000816
Pol Amp	355.2 ± 1.4
const term	-1.908 ± 0.425
linear term	2.086 ± 0.447
quad term	2.055 ± 0.449
cube term	-2.235 ± 0.473

PhiThetaMassPim



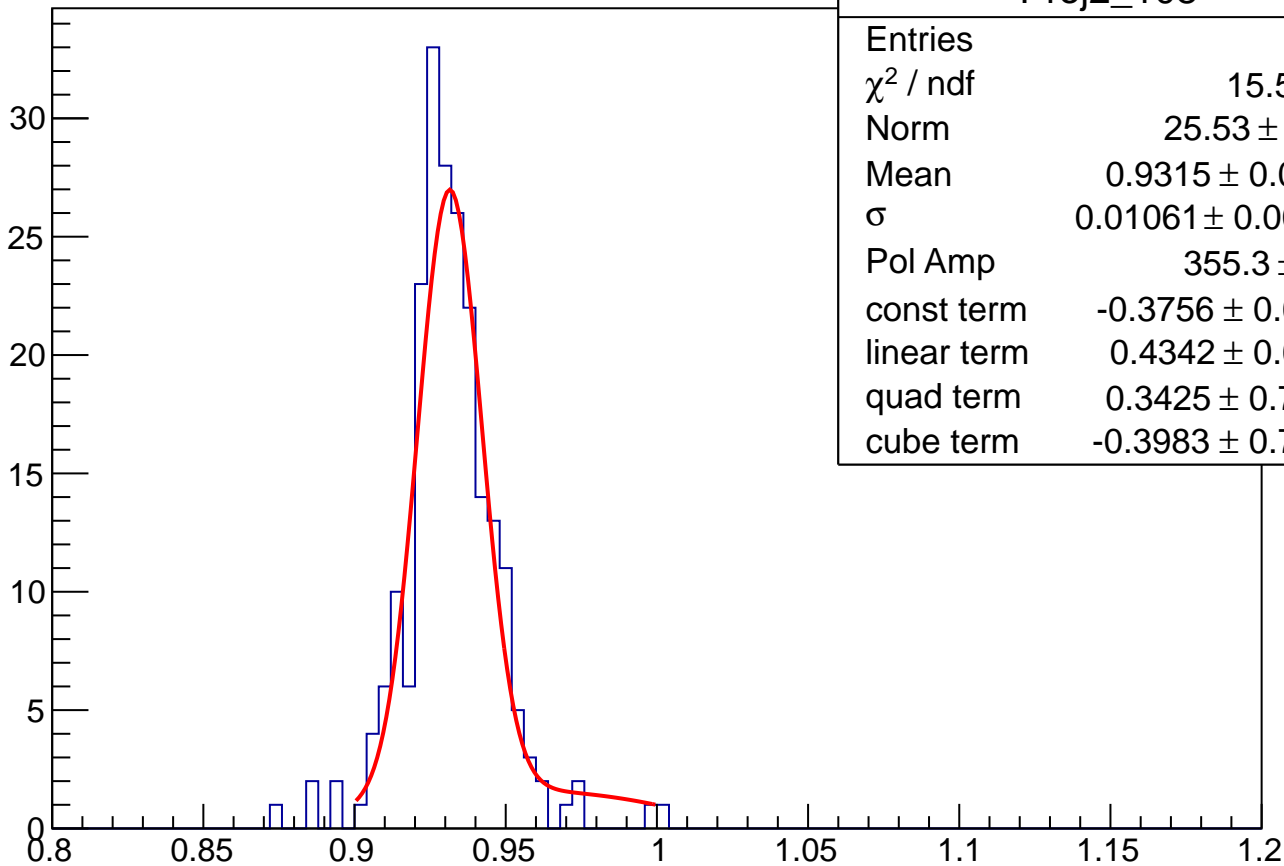
PhiThetaMassPim



Proj2_107

Entries	214
χ^2 / ndf	34.25 / 12
Norm	21.22 ± 3.10
Mean	0.9287 ± 0.0013
σ	0.01559 ± 0.00465
Pol Amp	350.9 ± 7.6
const term	-1.005 ± 0.685
linear term	1.094 ± 0.739
quad term	0.8654 ± 0.7525
cube term	-0.9516 ± 0.8161

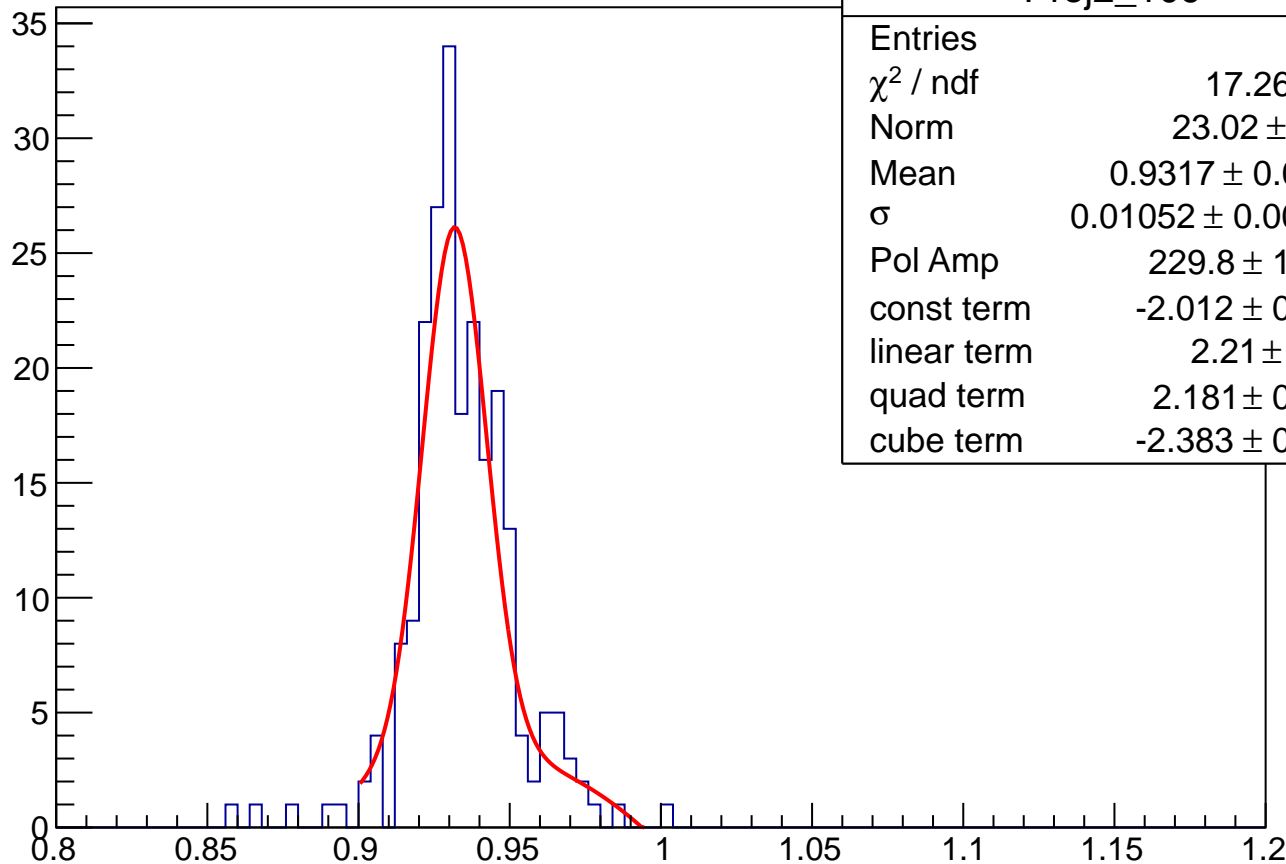
PhiThetaMassPim



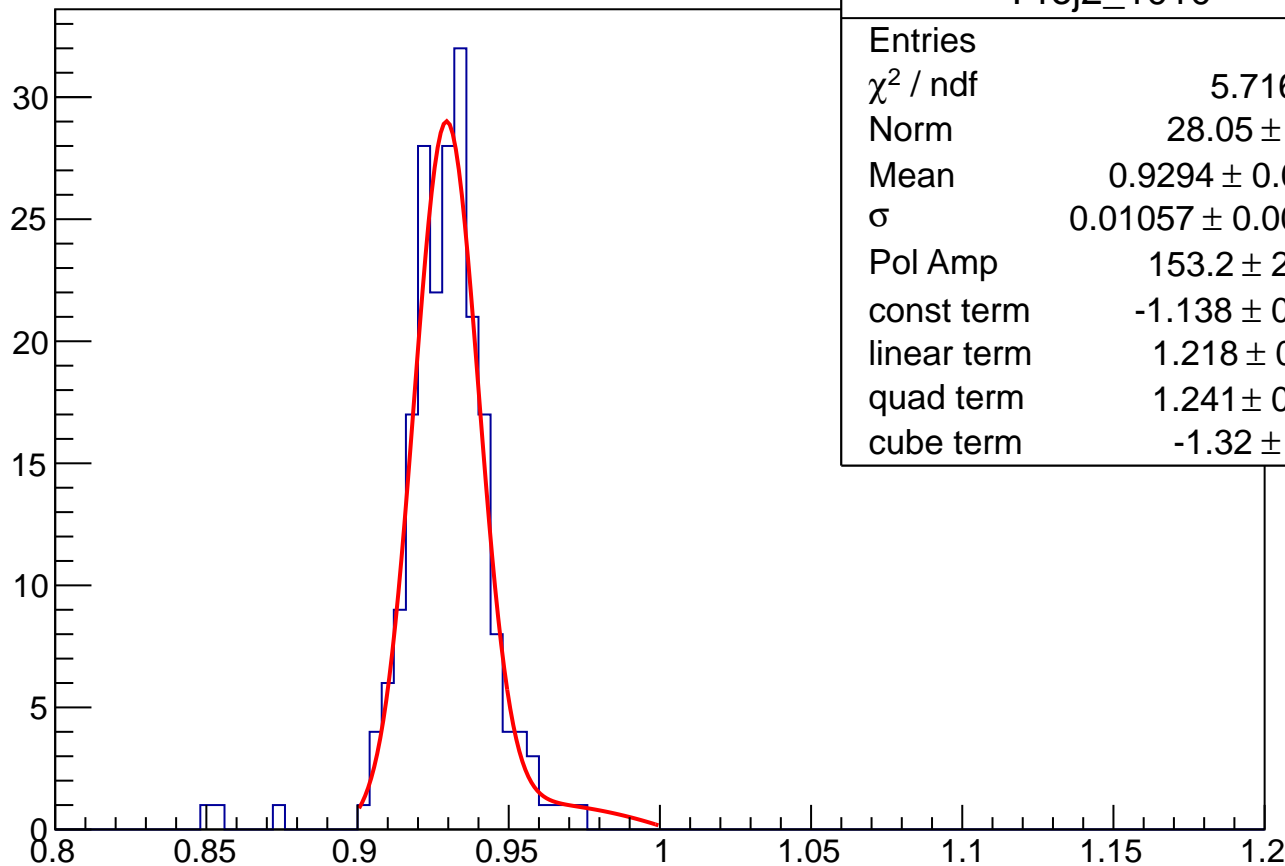
Proj2_108

Entries	217
χ^2 / ndf	15.5 / 11
Norm	25.53 ± 2.85
Mean	0.9315 ± 0.0003
σ	0.01061 ± 0.00141
Pol Amp	355.3 ± 3.2
const term	-0.3756 ± 0.6551
linear term	0.4342 ± 0.6951
quad term	0.3425 ± 0.7365
cube term	-0.3983 ± 0.7789

PhiThetaMassPim



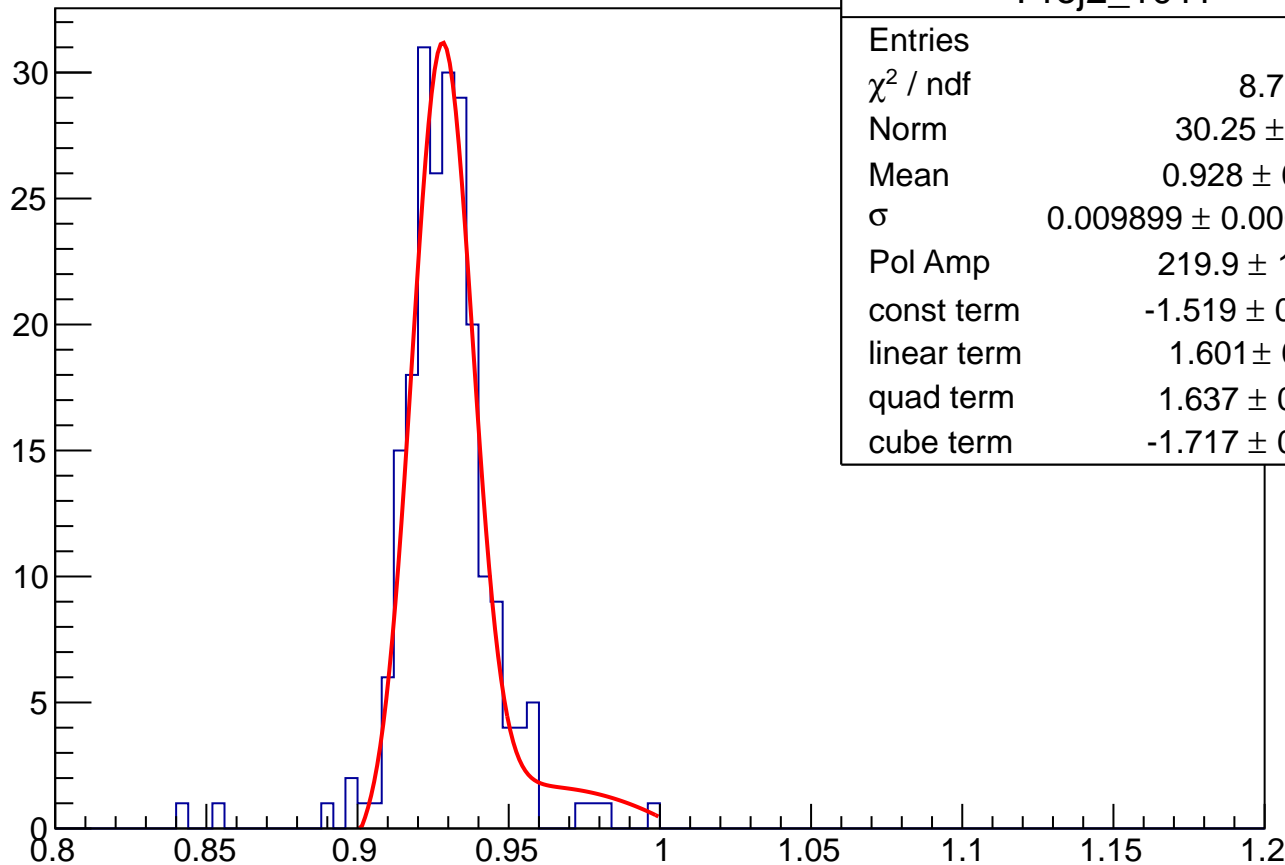
PhiThetaMassPim



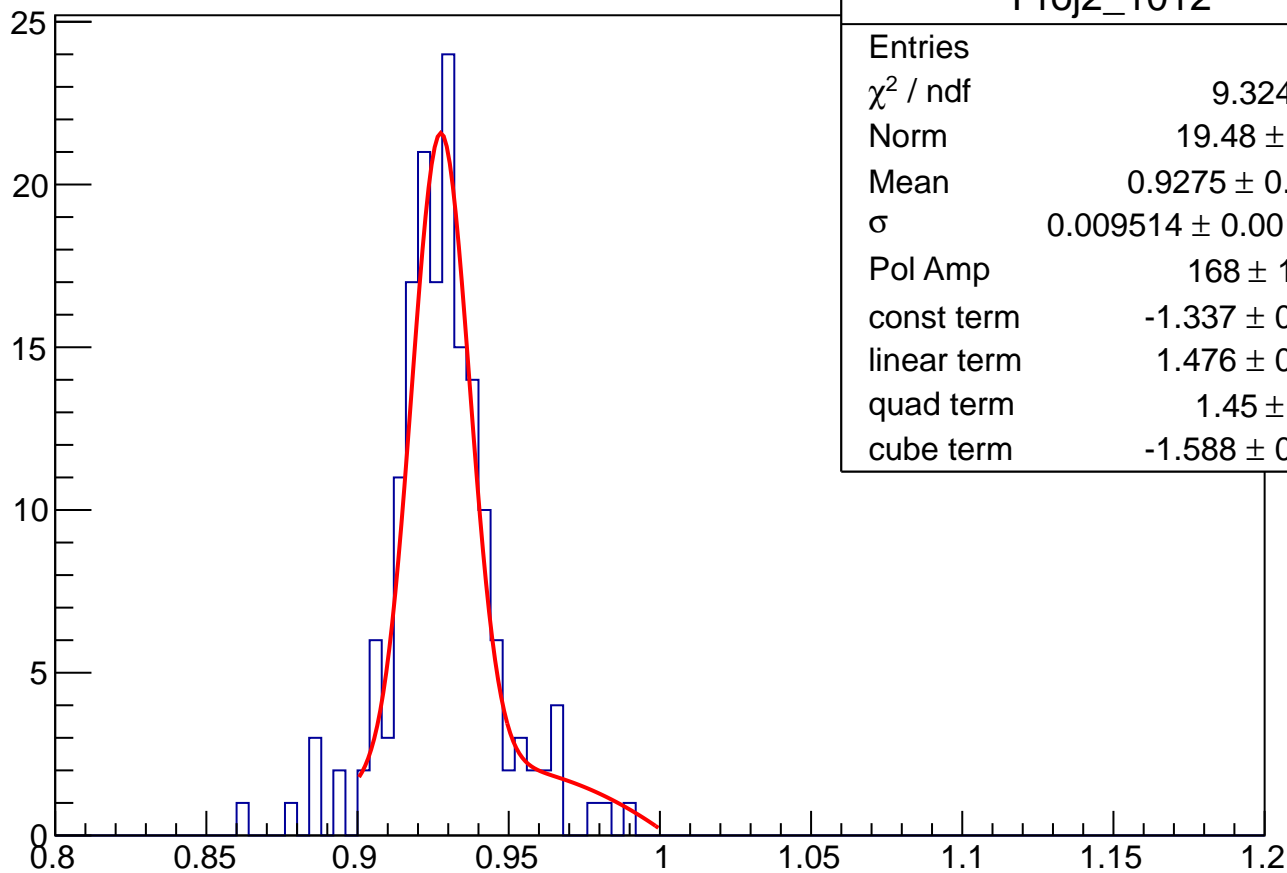
Proj2_1010

Entries	211
χ^2 / ndf	5.716 / 11
Norm	28.05 ± 2.72
Mean	0.9294 ± 0.0010
σ	0.01057 ± 0.00086
Pol Amp	153.2 ± 288.6
const term	-1.138 ± 0.028
linear term	1.218 ± 0.031
quad term	1.241 ± 0.033
cube term	-1.32 ± 0.03

PhiThetaMassPim



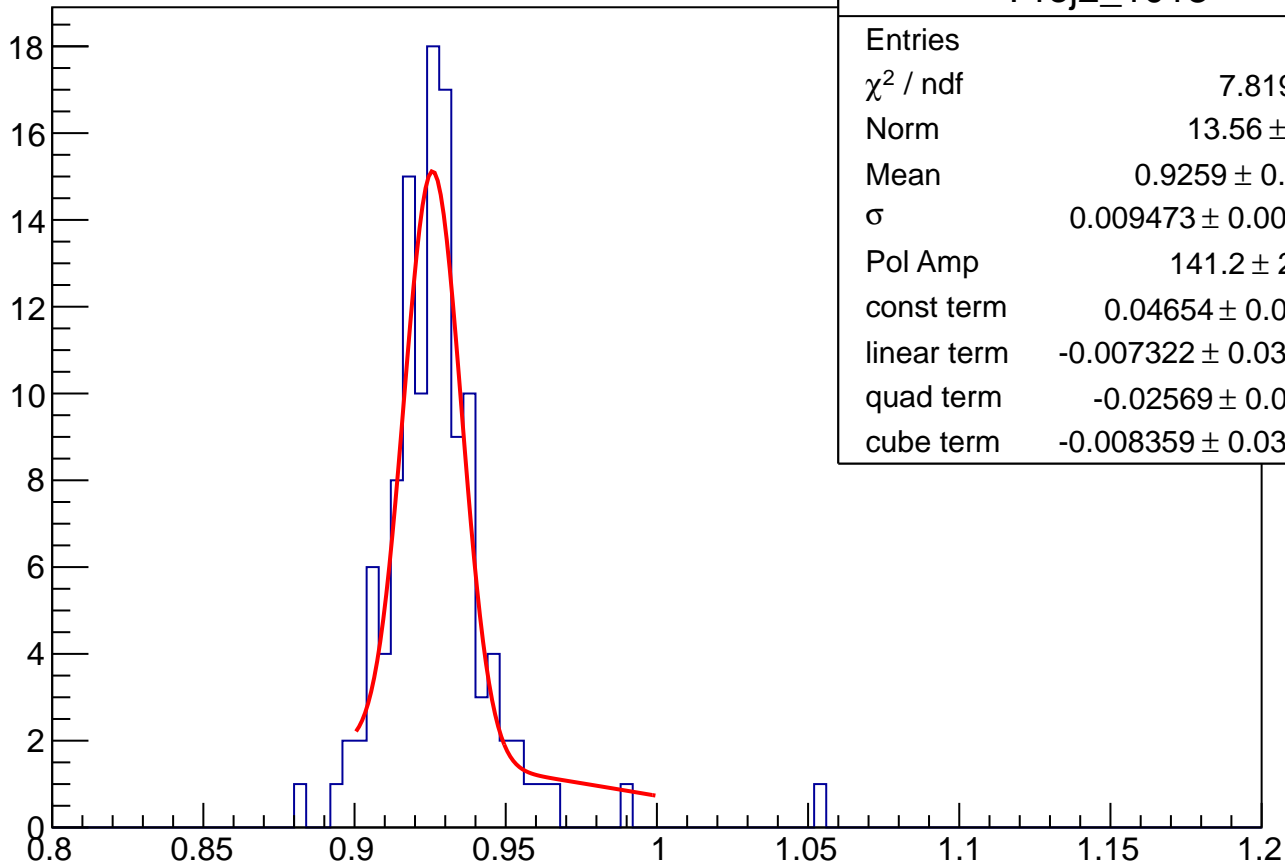
PhiThetaMassPim



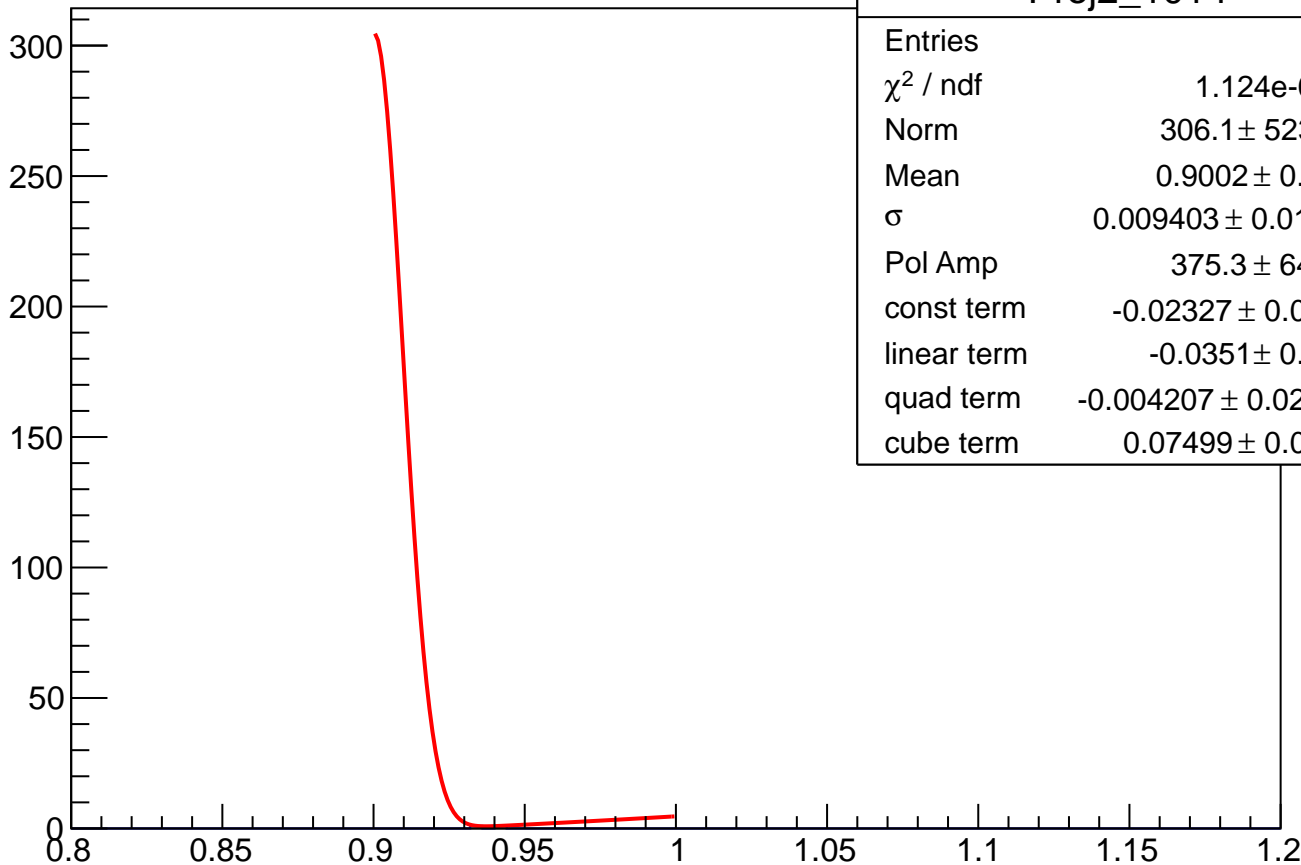
Proj2_1012

Entries	169
χ^2 / ndf	9.324 / 12
Norm	19.48 ± 2.46
Mean	0.9275 ± 0.0011
σ	0.009514 ± 0.001076
Pol Amp	168 ± 170.2
const term	-1.337 ± 0.026
linear term	1.476 ± 0.028
quad term	1.45 ± 0.03
cube term	-1.588 ± 0.028

PhiThetaMassPim



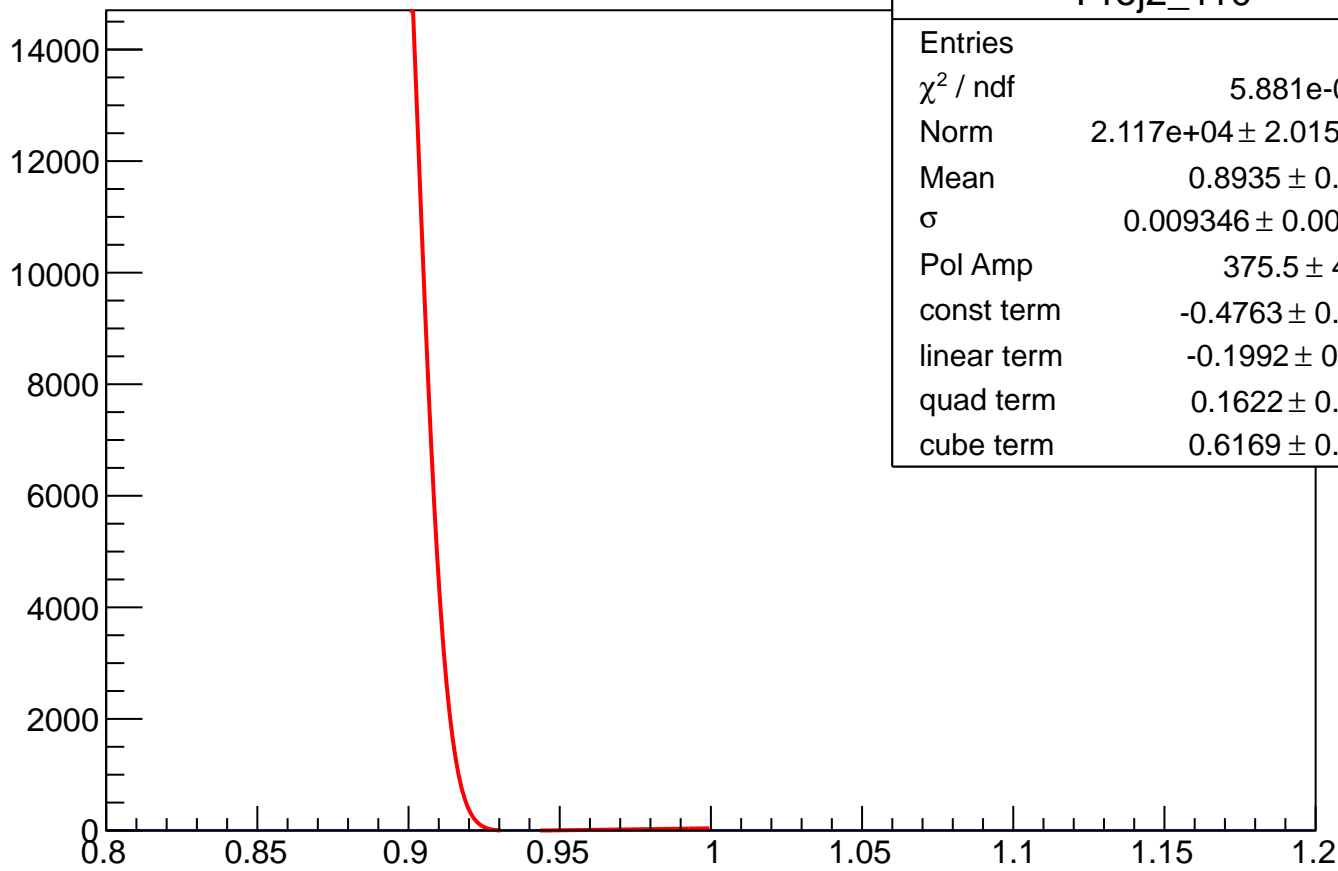
PhiThetaMassPim



Proj2_1014

Entries	2
χ^2 / ndf	1.124e-09 / 0
Norm	306.1 ± 52360.4
Mean	0.9002 ± 0.0530
σ	0.009403 ± 0.014501
Pol Amp	375.3 ± 6440.3
const term	-0.02327 ± 0.01775
linear term	-0.0351 ± 0.0189
quad term	-0.004207 ± 0.020147
cube term	0.07499 ± 0.02146

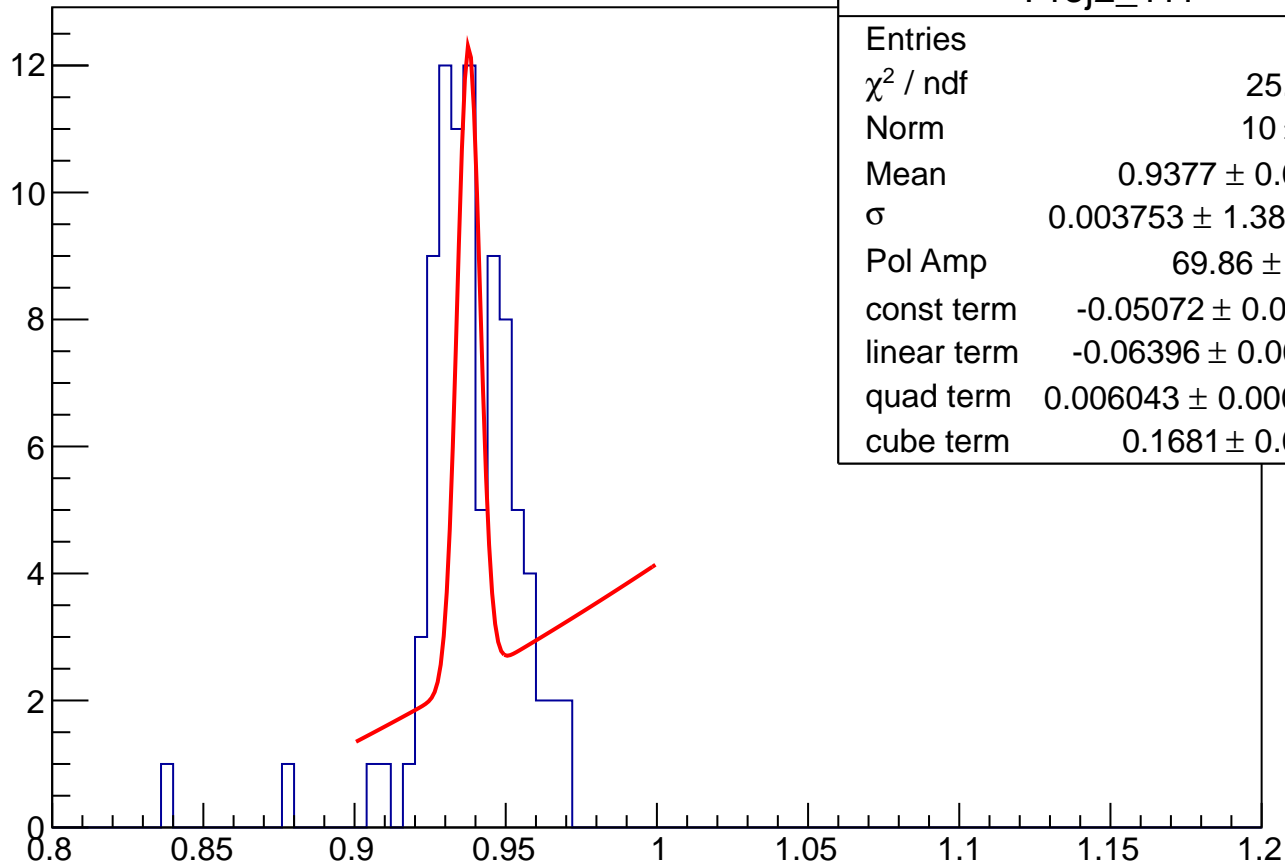
PhiThetaMassPim



Proj2_110

Entries	3
χ^2 / ndf	5.881e-07 / 0
Norm	$2.117\text{e}+04 \pm 2.015\text{e}+04$
Mean	0.8935 ± 0.0024
σ	0.009346 ± 0.000625
Pol Amp	375.5 ± 404.4
const term	-0.4763 ± 0.0198
linear term	-0.1992 ± 0.0211
quad term	0.1622 ± 0.0224
cube term	0.6169 ± 0.0238

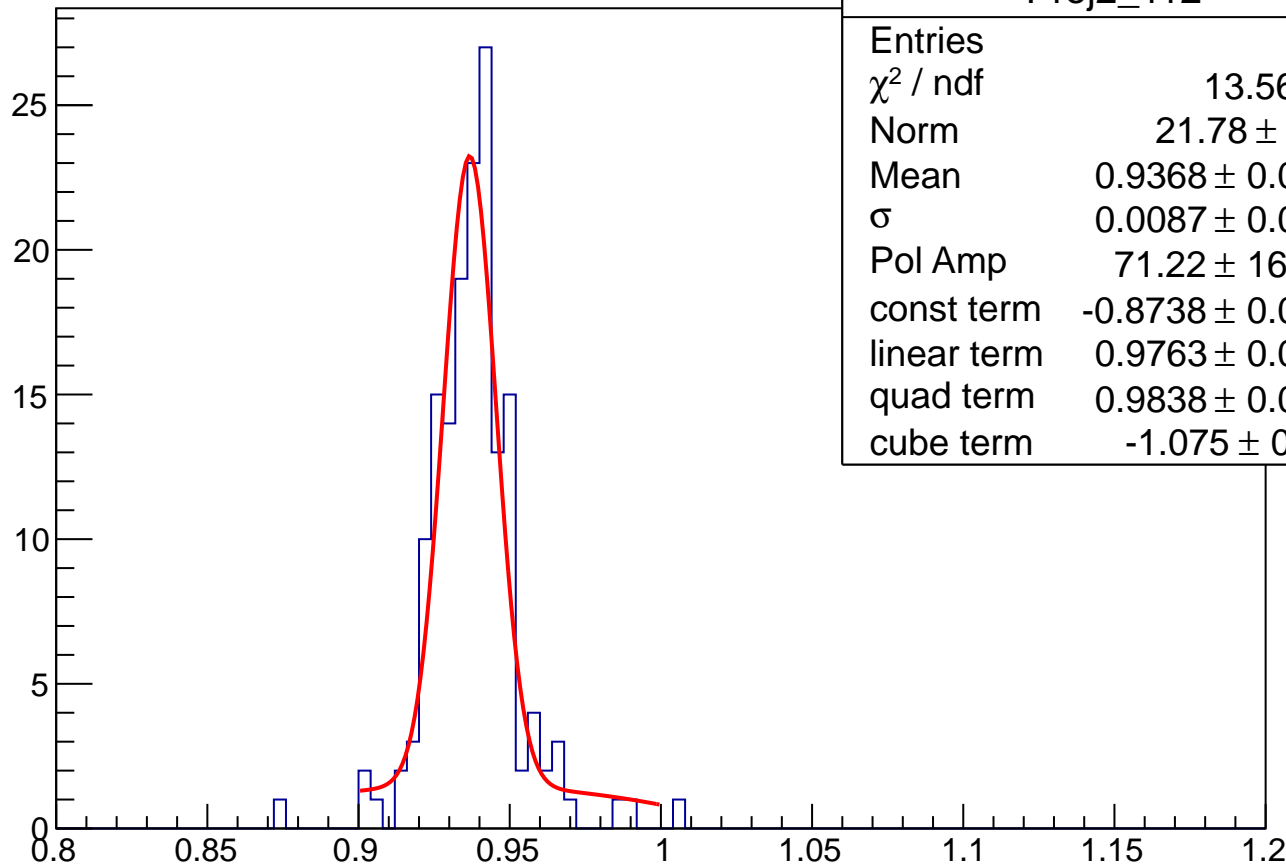
PhiThetaMassPim



Proj2_111

Entries	90
χ^2 / ndf	25.4 / 8
Norm	10 ± 1.1
Mean	0.9377 ± 0.0000
σ	0.003753 ± 1.386114
Pol Amp	69.86 ± 1.83
const term	-0.05072 ± 0.00071
linear term	-0.06396 ± 0.00068
quad term	0.006043 ± 0.000650
cube term	0.1681 ± 0.0006

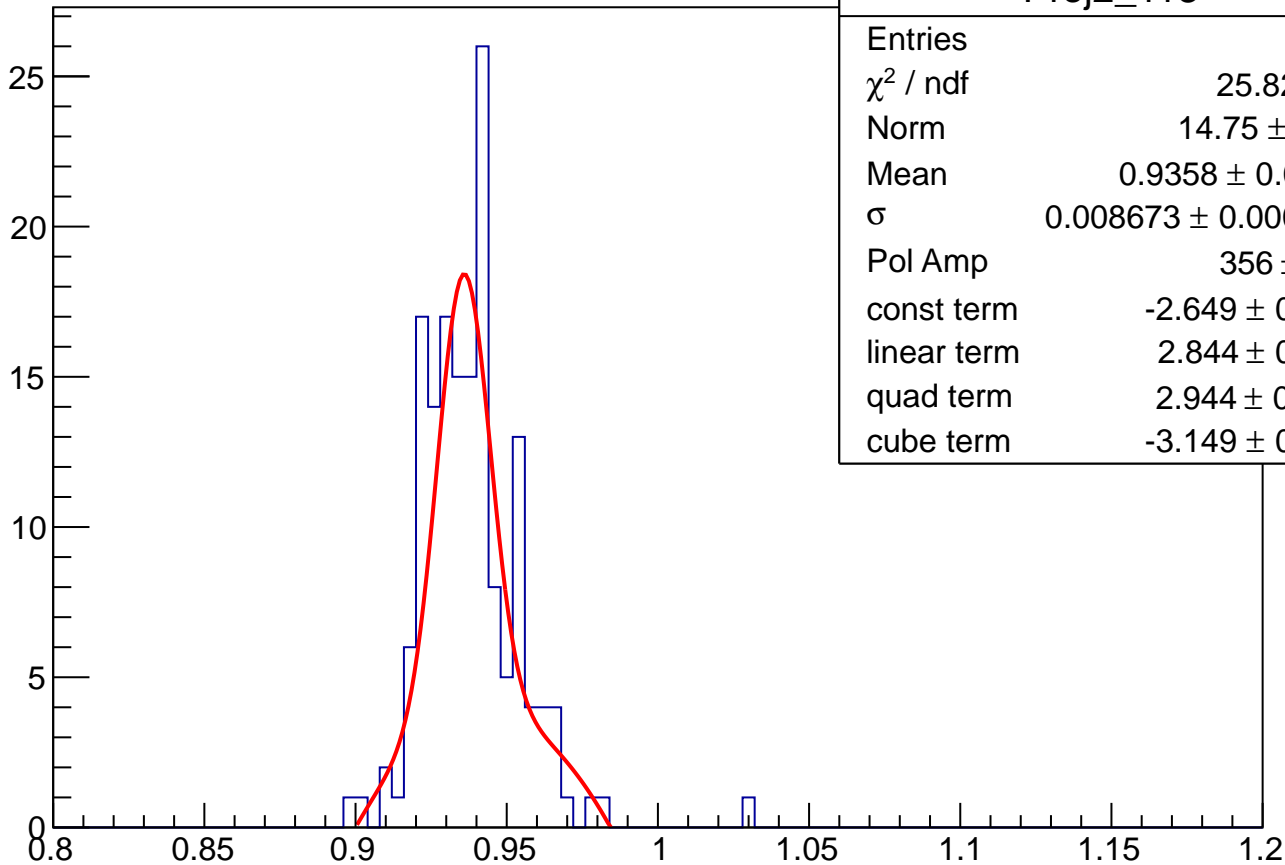
PhiThetaMassPim



Proj2_112

Entries	160
χ^2 / ndf	13.56 / 11
Norm	21.78 ± 2.62
Mean	0.9368 ± 0.0010
σ	0.0087 ± 0.0009
Pol Amp	71.22 ± 164.38
const term	-0.8738 ± 0.0602
linear term	0.9763 ± 0.0649
quad term	0.9838 ± 0.0653
cube term	-1.075 ± 0.061

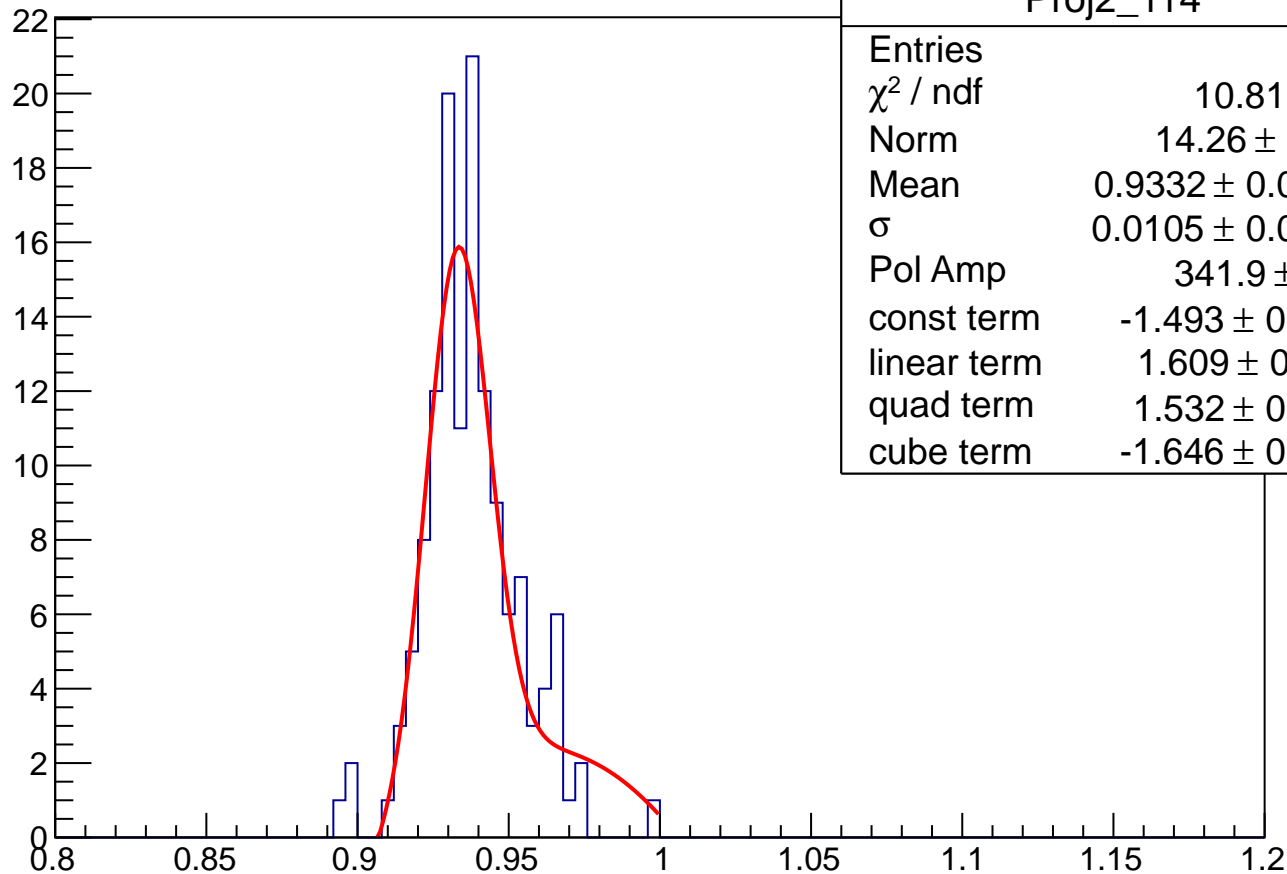
PhiThetaMassPim



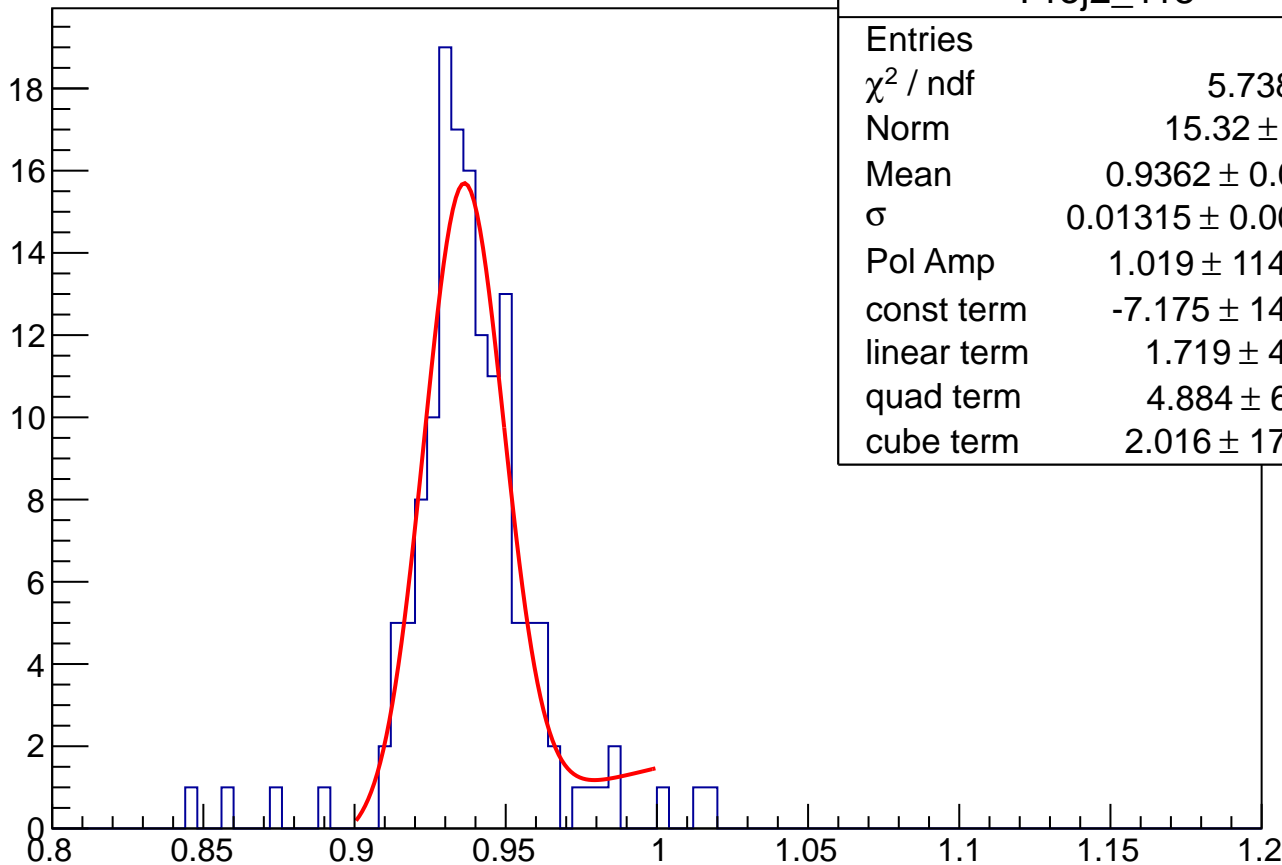
Proj2_113

Entries	157
χ^2 / ndf	25.82 / 11
Norm	14.75 ± 2.41
Mean	0.9358 ± 0.0003
σ	0.008673 ± 0.000565
Pol Amp	356 ± 1.0
const term	-2.649 ± 0.702
linear term	2.844 ± 0.750
quad term	2.944 ± 0.778
cube term	-3.149 ± 0.830

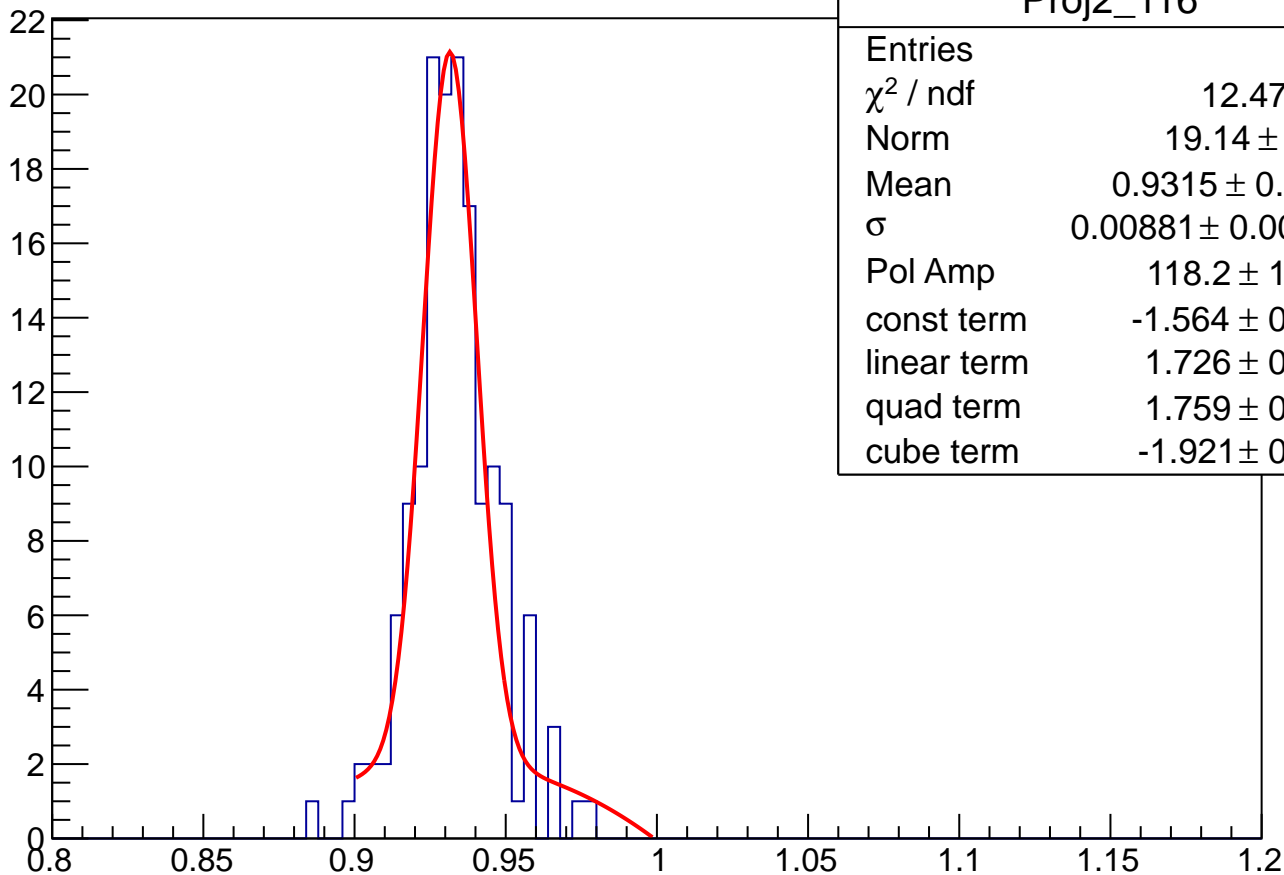
PhiThetaMassPim



PhiThetaMassPim



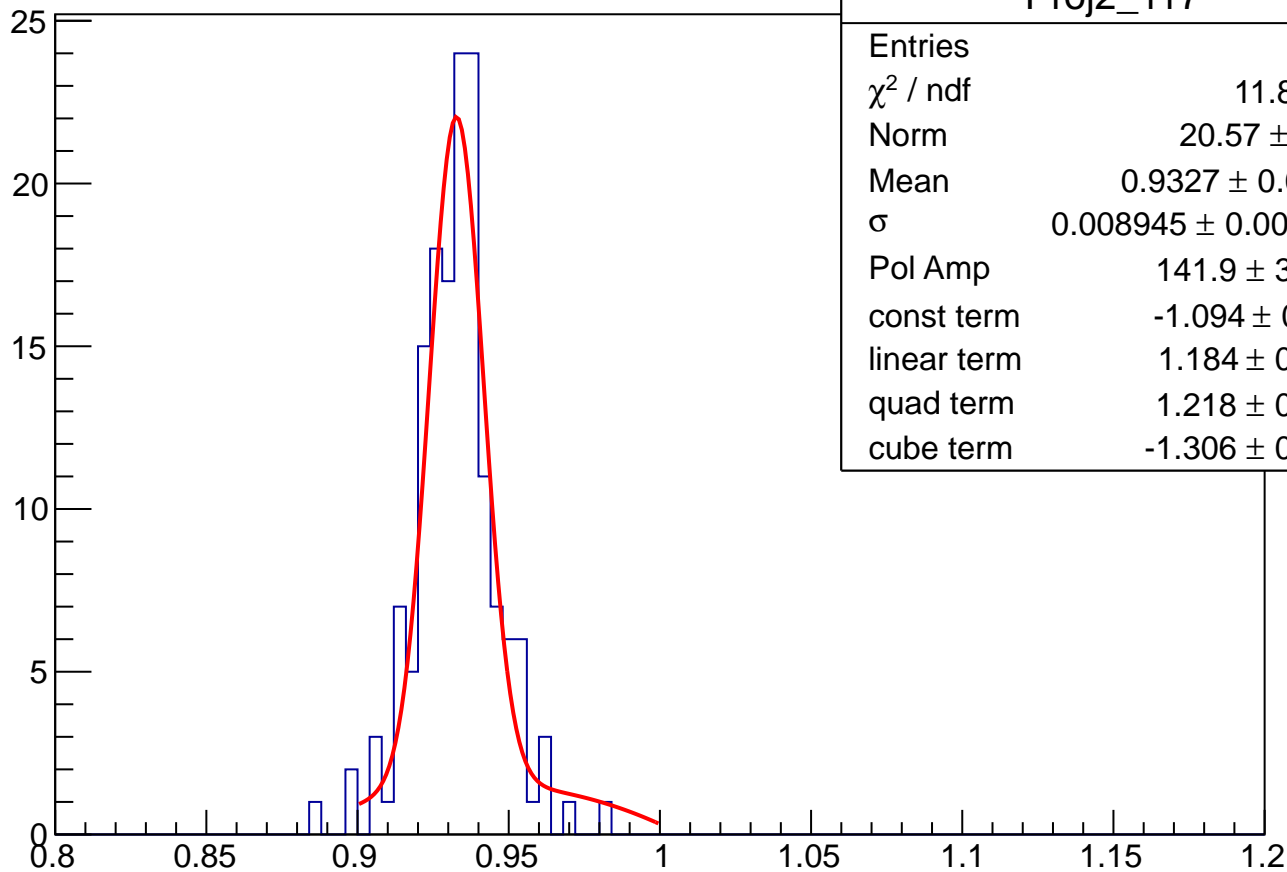
PhiThetaMassPim



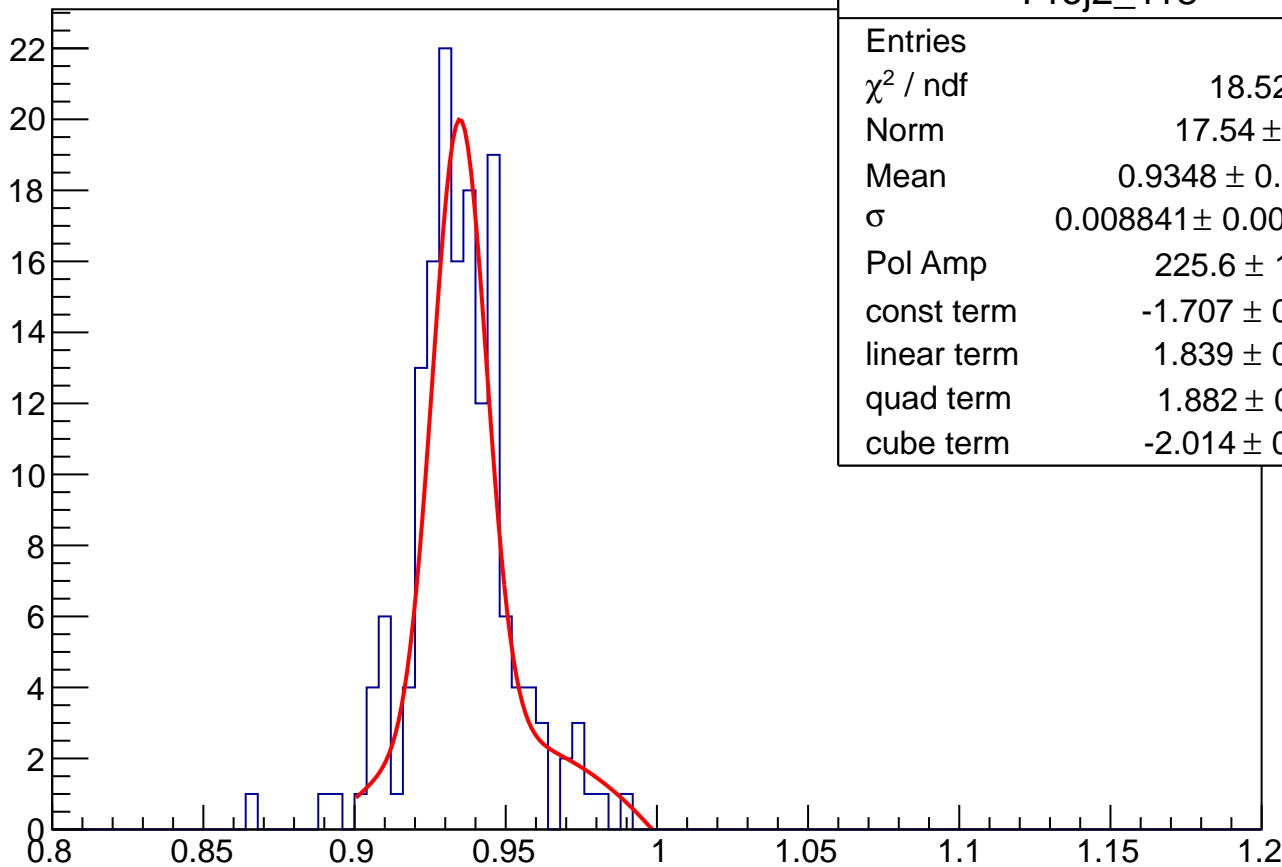
Proj2_116

Entries	152
χ^2 / ndf	12.47 / 10
Norm	19.14 ± 2.56
Mean	0.9315 ± 0.0011
σ	0.00881 ± 0.00124
Pol Amp	118.2 ± 198.6
const term	-1.564 ± 0.040
linear term	1.726 ± 0.043
quad term	1.759 ± 0.044
cube term	-1.921 ± 0.043

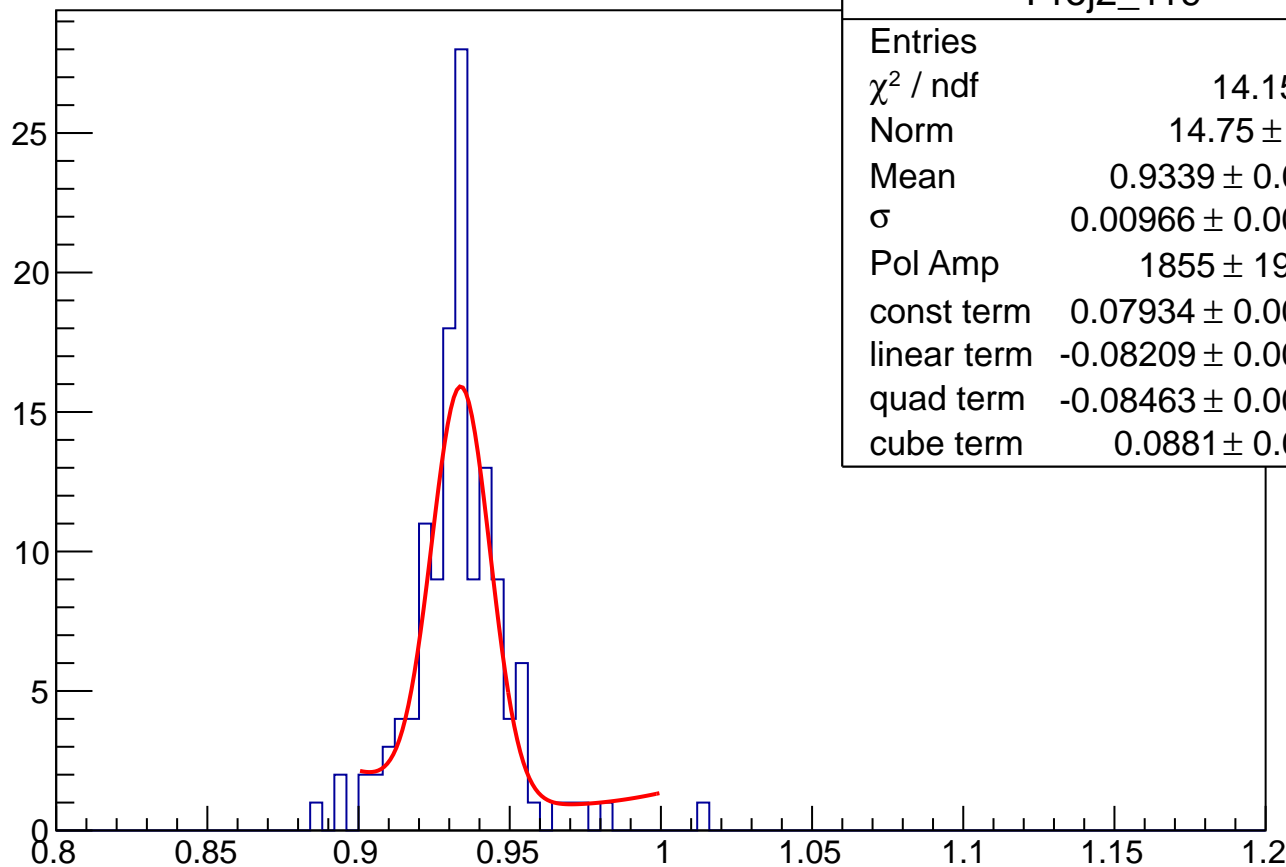
PhiThetaMassPim



PhiThetaMassPim



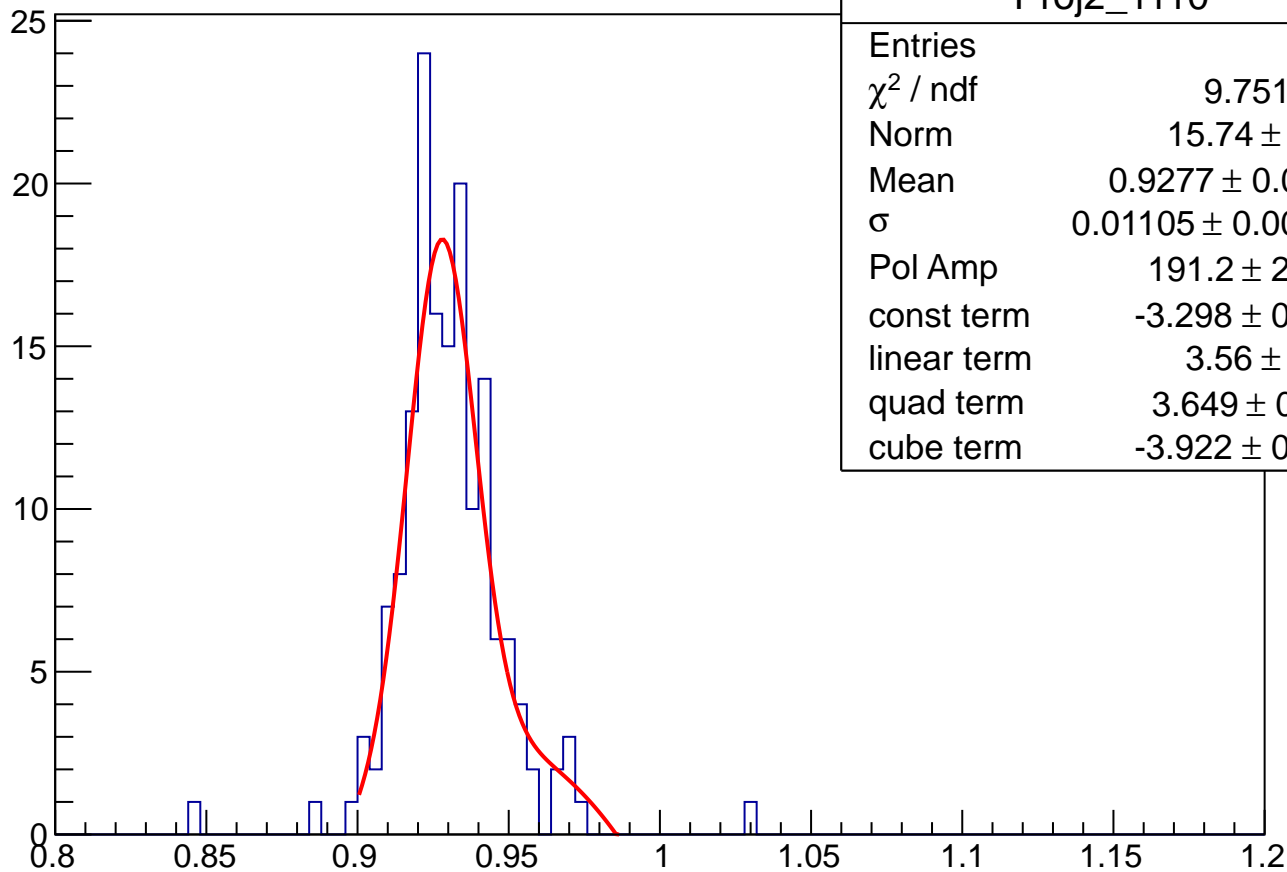
PhiThetaMassPim



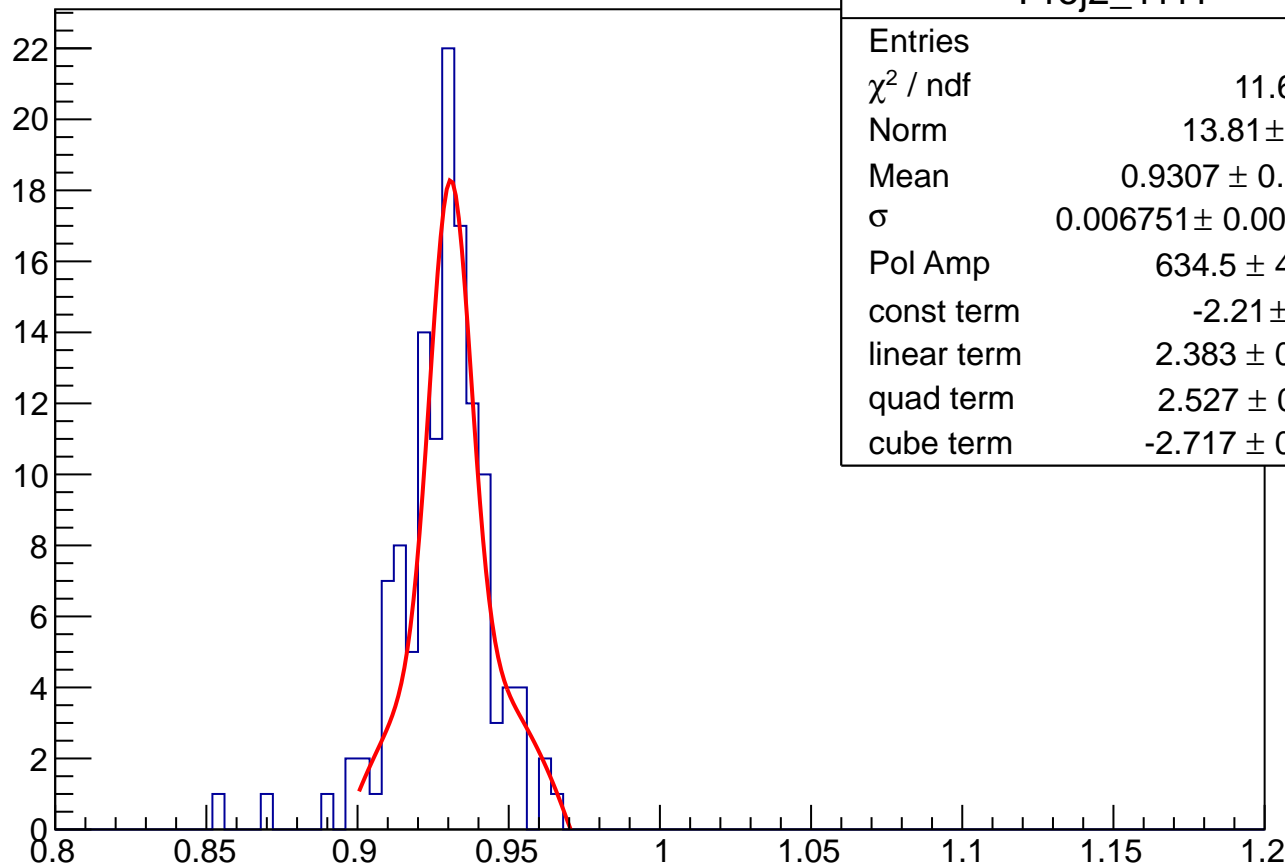
Proj2_119

Entries	131
χ^2 / ndf	14.15 / 11
Norm	14.75 ± 2.14
Mean	0.9339 ± 0.0013
σ	0.00966 ± 0.00128
Pol Amp	1855 ± 1975.2
const term	0.07934 ± 0.00228
linear term	-0.08209 ± 0.00238
quad term	-0.08463 ± 0.00244
cube term	0.0881 ± 0.0025

PhiThetaMassPim



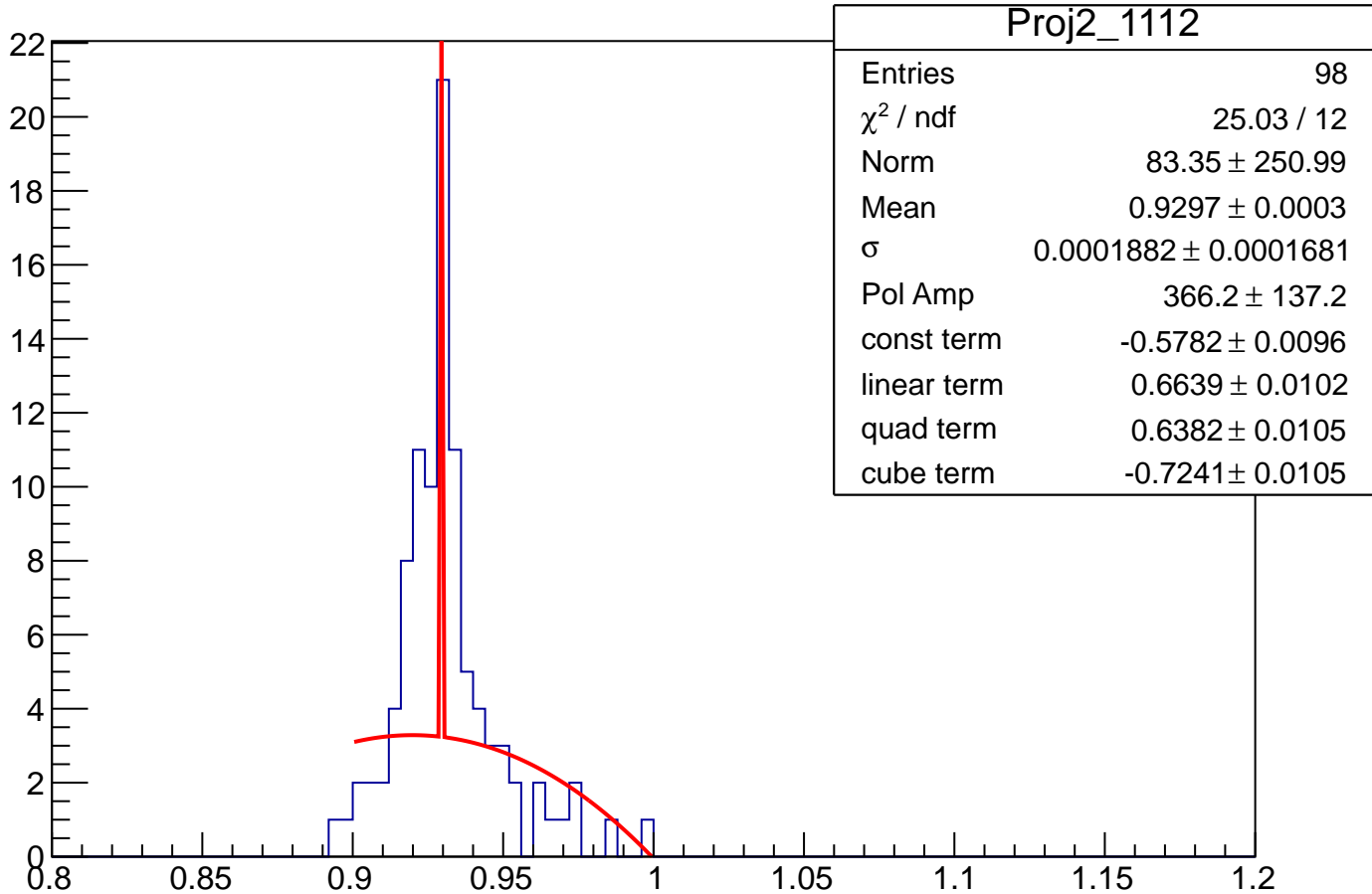
PhiThetaMassPim



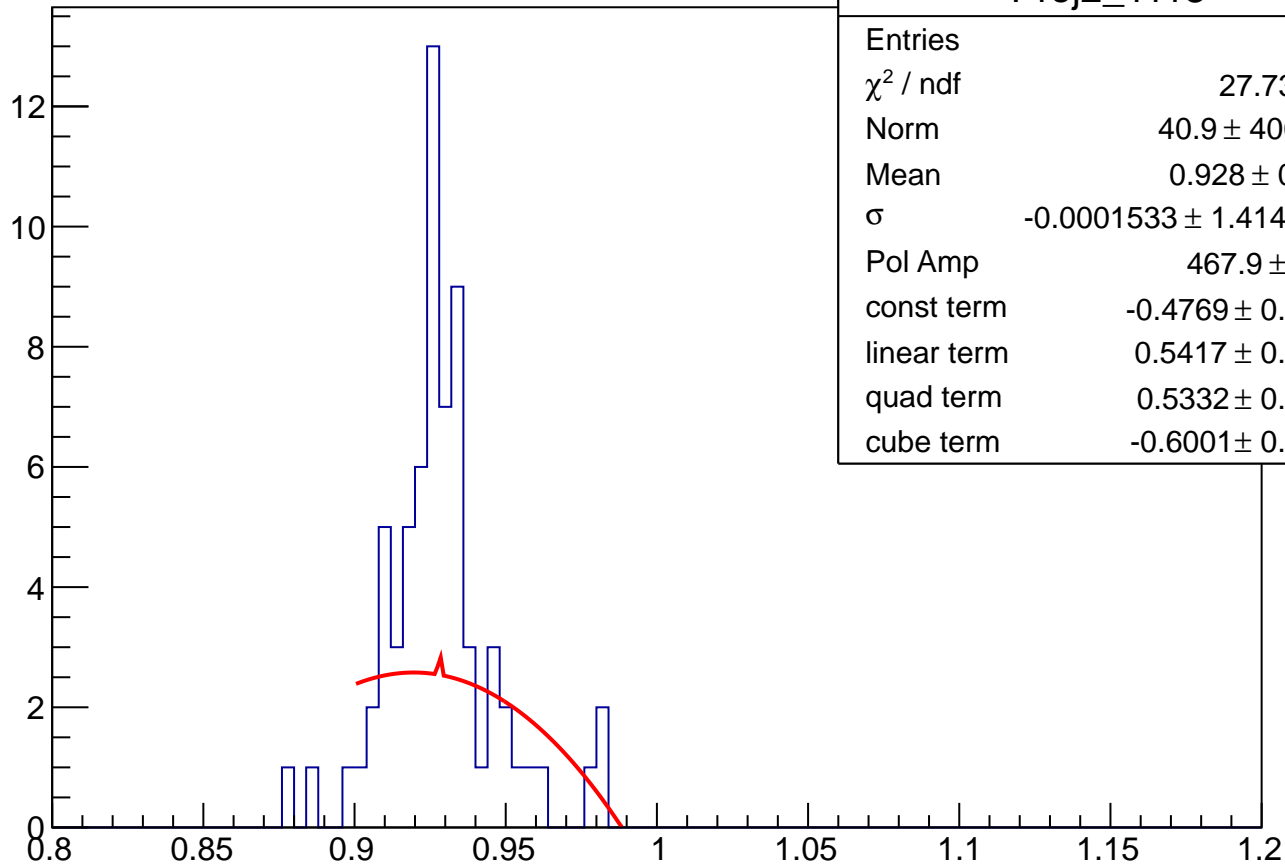
Proj2_1111

Entries	128
χ^2 / ndf	11.65 / 8
Norm	13.81 ± 3.05
Mean	0.9307 ± 0.0014
σ	0.006751 ± 0.001942
Pol Amp	634.5 ± 443.6
const term	-2.21 ± 0.01
linear term	2.383 ± 0.009
quad term	2.527 ± 0.010
cube term	-2.717 ± 0.009

PhiThetaMassPim



PhiThetaMassPim



Proj2_1113

Entries	69
χ^2 / ndf	27.73 / 10
Norm	40.9 ± 40019.1
Mean	0.928 ± 0.075
σ	-0.0001533 ± 1.4142135
Pol Amp	467.9 ± 75.7
const term	-0.4769 ± 0.0007
linear term	0.5417 ± 0.0007
quad term	0.5332 ± 0.0008
cube term	-0.6001 ± 0.0008

PhiThetaMassPim

