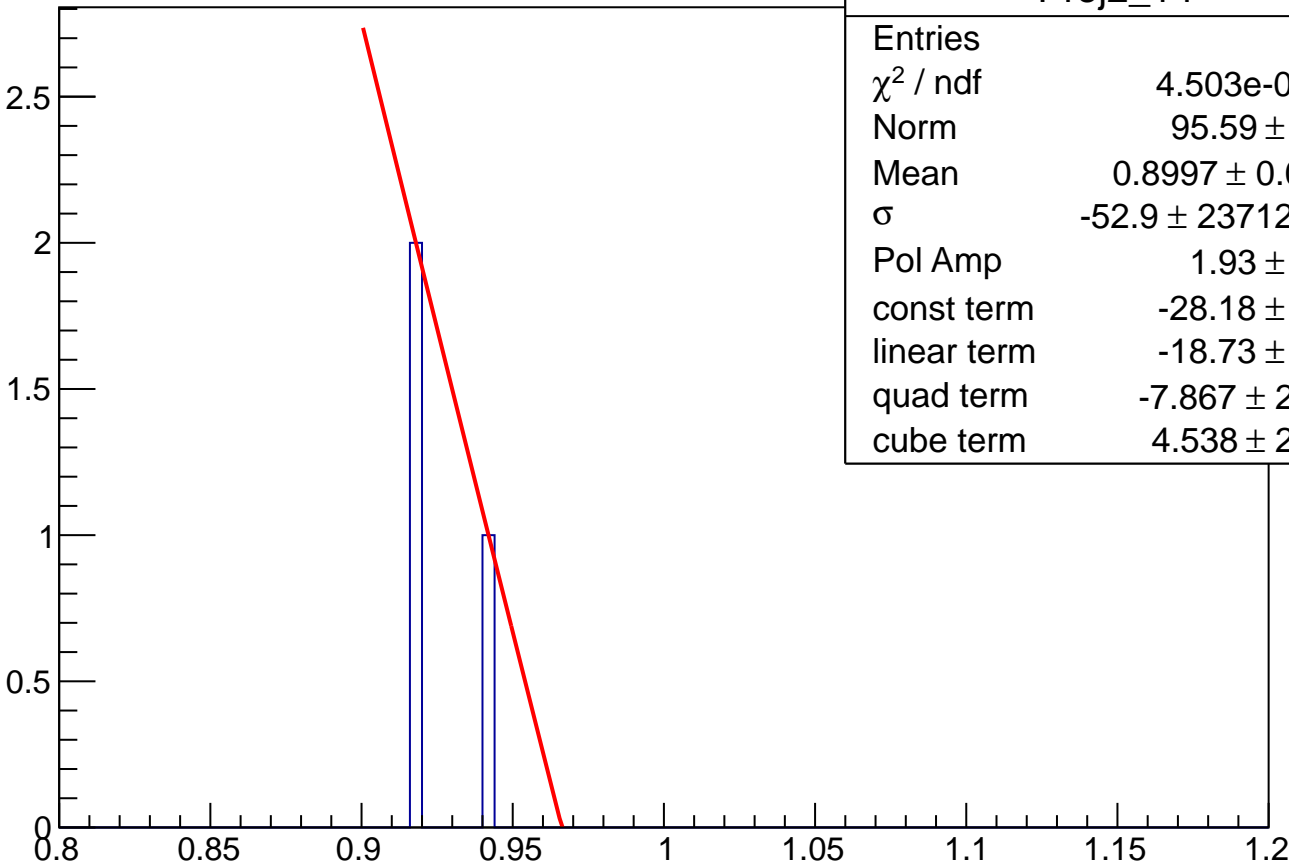


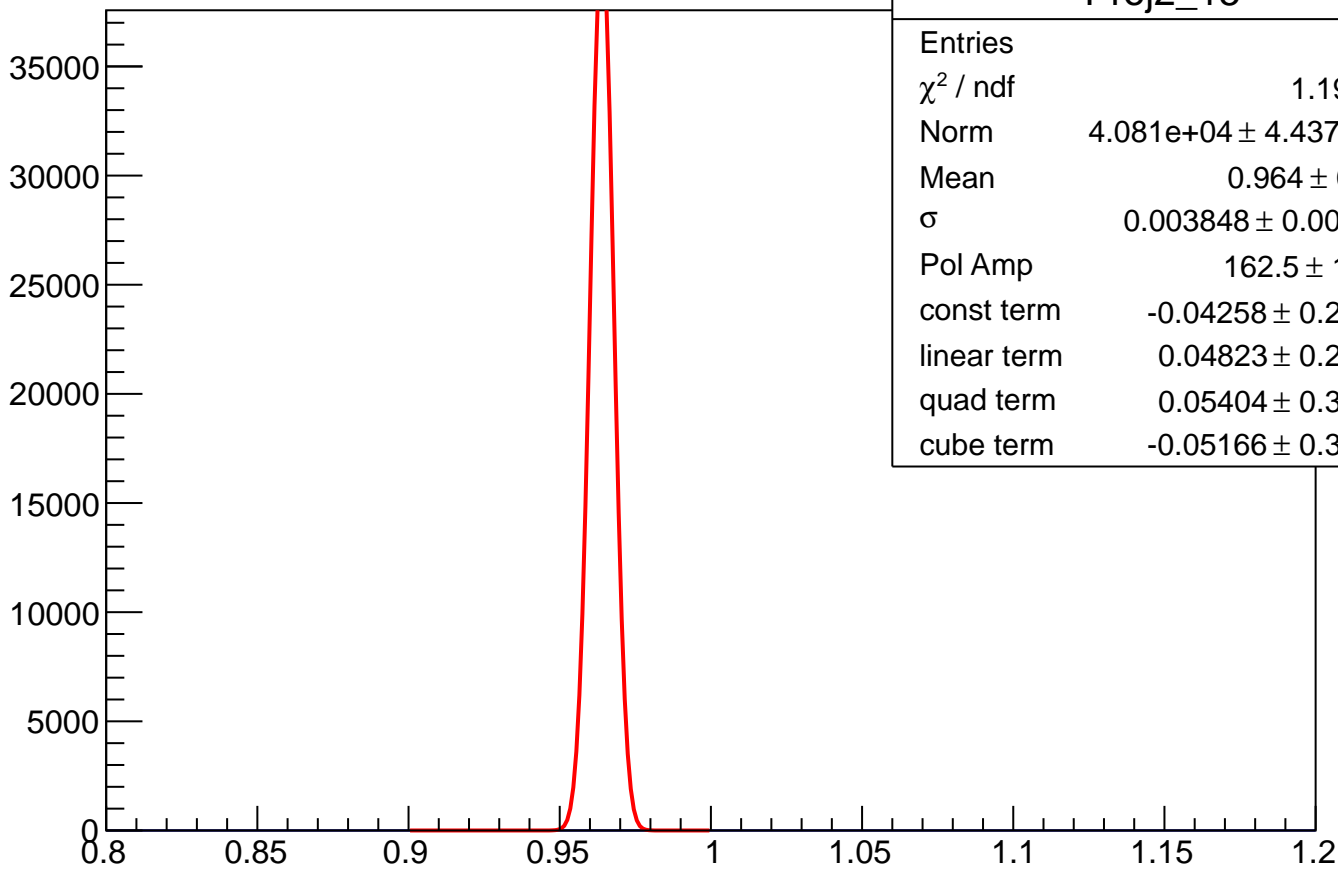
PhiThetaMassPim



Proj2_14

Entries	3
χ^2 / ndf	4.503e-08 / 0
Norm	95.59 ± 3.94
Mean	0.8997 ± 0.0595
σ	-52.9 ± 2371292.0
Pol Amp	1.93 ± 0.08
const term	-28.18 ± 2.04
linear term	-18.73 ± 2.20
quad term	-7.867 ± 2.350
cube term	4.538 ± 2.508

PhiThetaMassPim

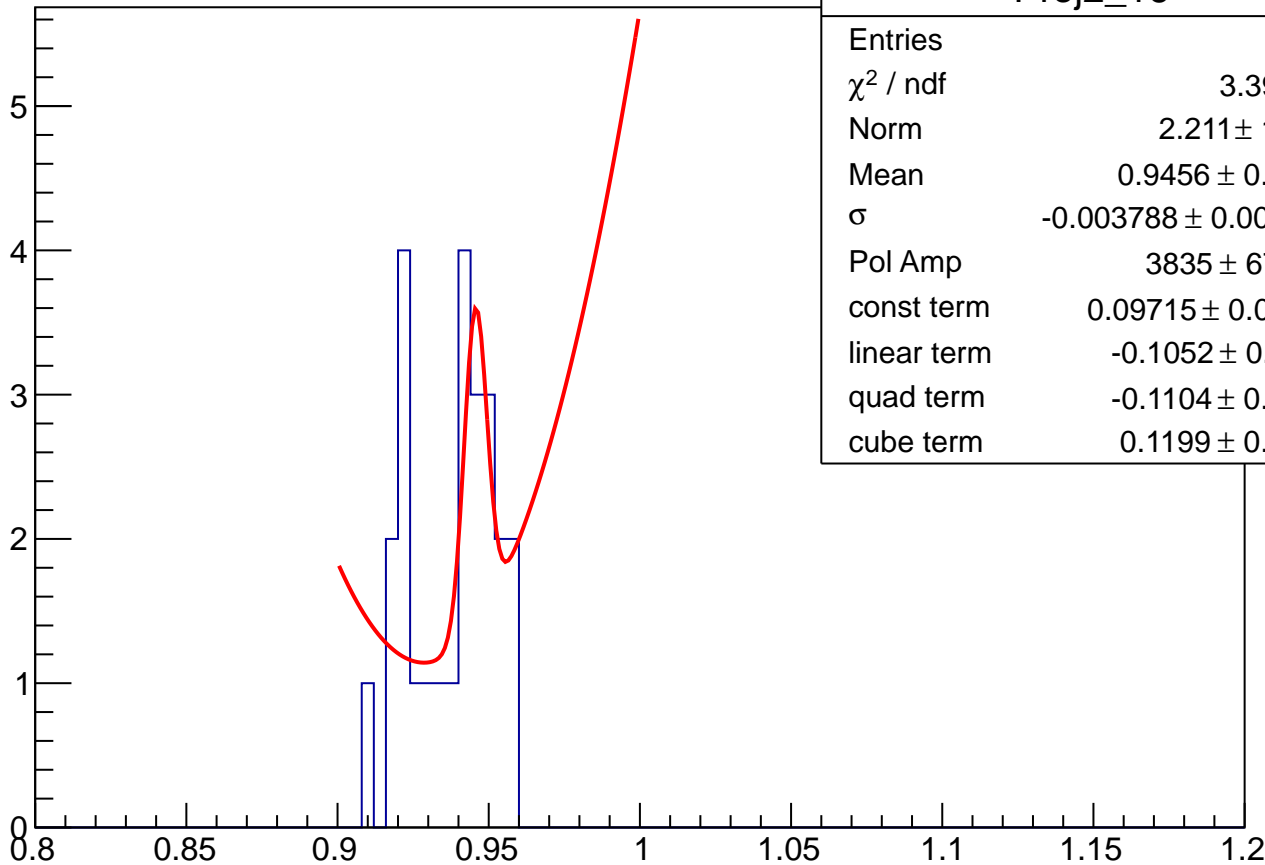


Proj2_15

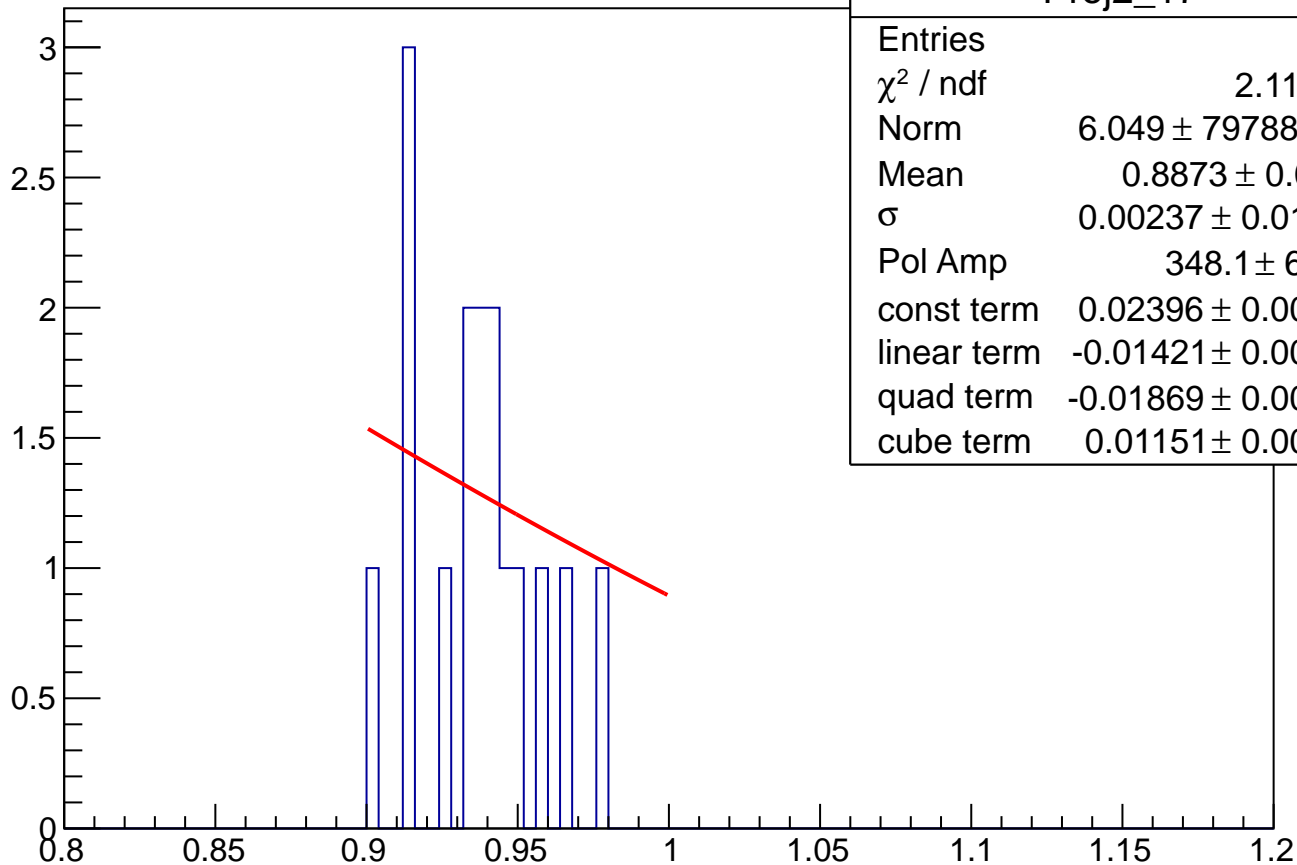
Entries	16
χ^2 / ndf	1.191 / 3
Norm	$4.081\text{e}+04 \pm 4.437\text{e}+04$
Mean	0.964 ± 0.001
σ	0.003848 ± 0.003014
Pol Amp	162.5 ± 158.6
const term	-0.04258 ± 0.29929
linear term	0.04823 ± 0.29902
quad term	0.05404 ± 0.33084
cube term	-0.05166 ± 0.32856

PhiThetaMassPim

Proj2_16



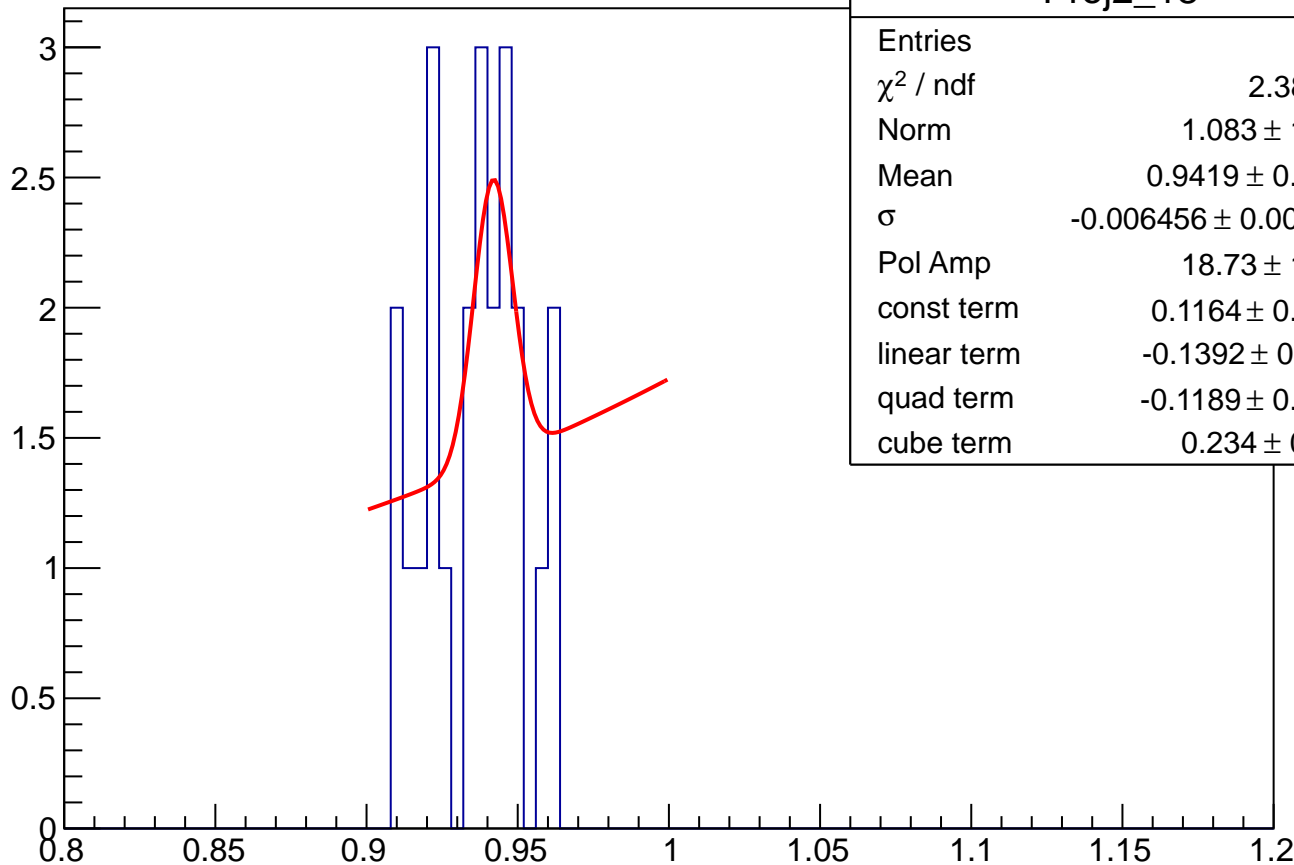
PhiThetaMassPim



Proj2_17

Entries	16
χ^2 / ndf	2.117 / 3
Norm	6.049 ± 79788.164
Mean	0.8873 ± 0.0881
σ	0.00237 ± 0.01345
Pol Amp	348.1 ± 600.1
const term	0.02396 ± 0.00164
linear term	-0.01421 ± 0.00242
quad term	-0.01869 ± 0.00236
cube term	0.01151 ± 0.00162

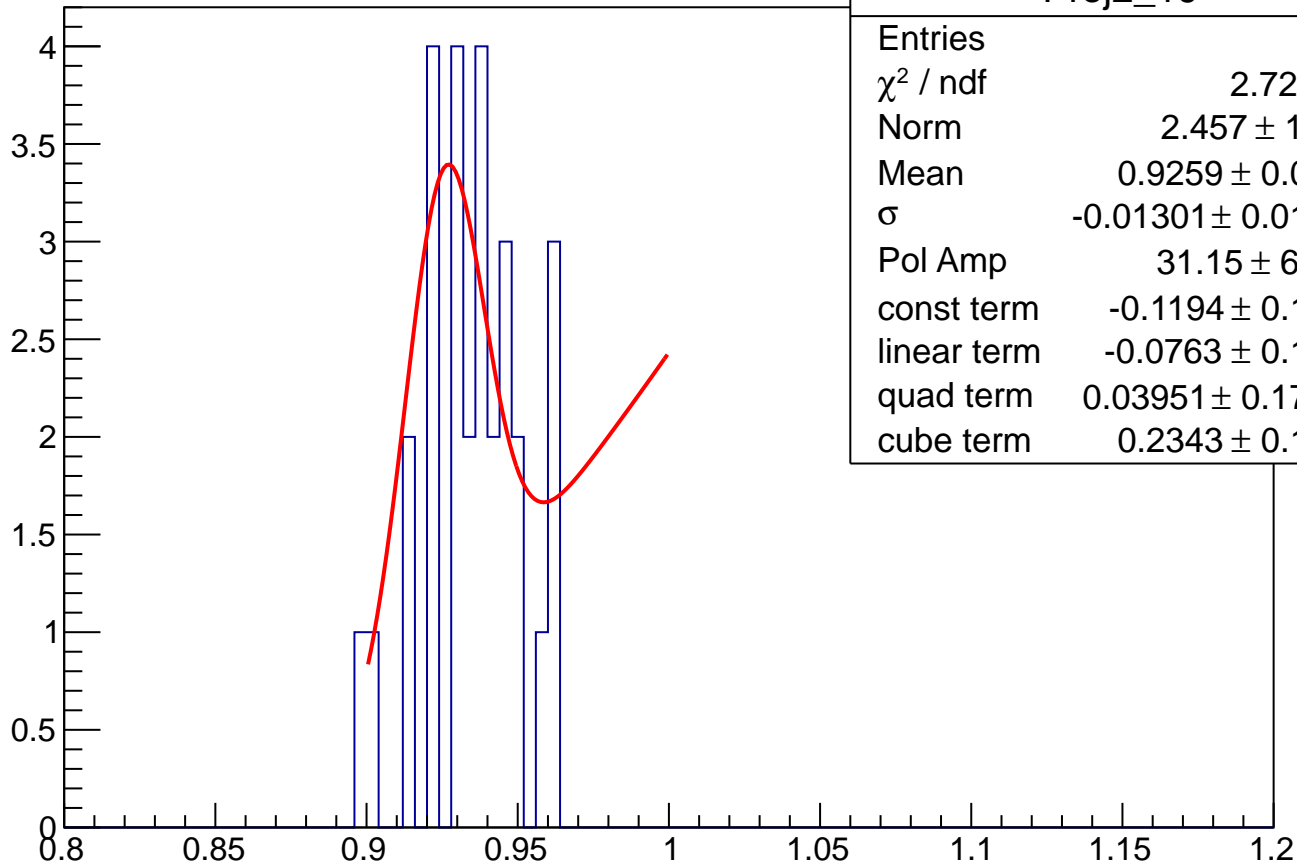
PhiThetaMassPim



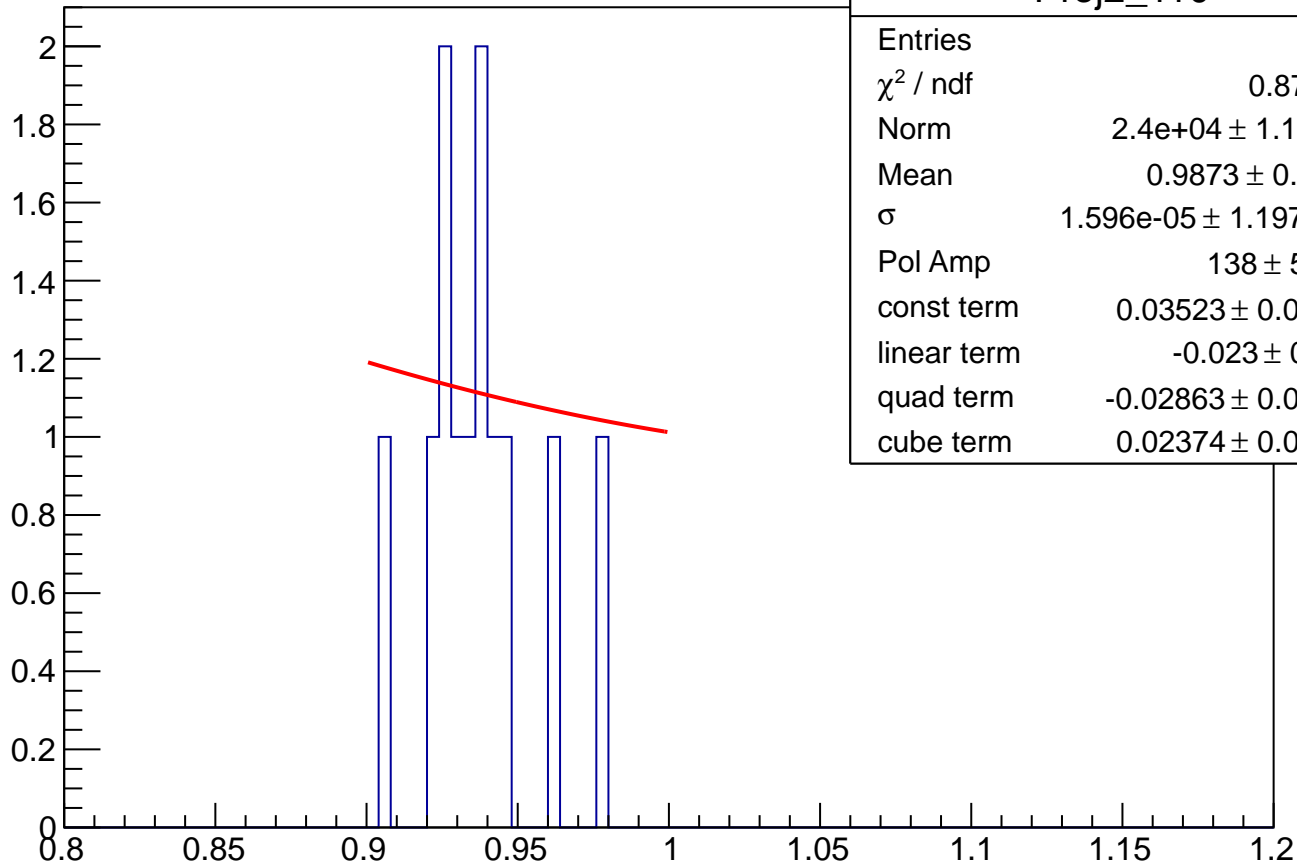
Proj2_18

Entries	23
χ^2 / ndf	2.382 / 4
Norm	1.083 ± 1.756
Mean	0.9419 ± 0.0076
σ	-0.006456 ± 0.005518
Pol Amp	18.73 ± 16.28
const term	0.1164 ± 0.3097
linear term	-0.1392 ± 0.1201
quad term	-0.1189 ± 0.1404
cube term	0.234 ± 0.425

PhiThetaMassPim



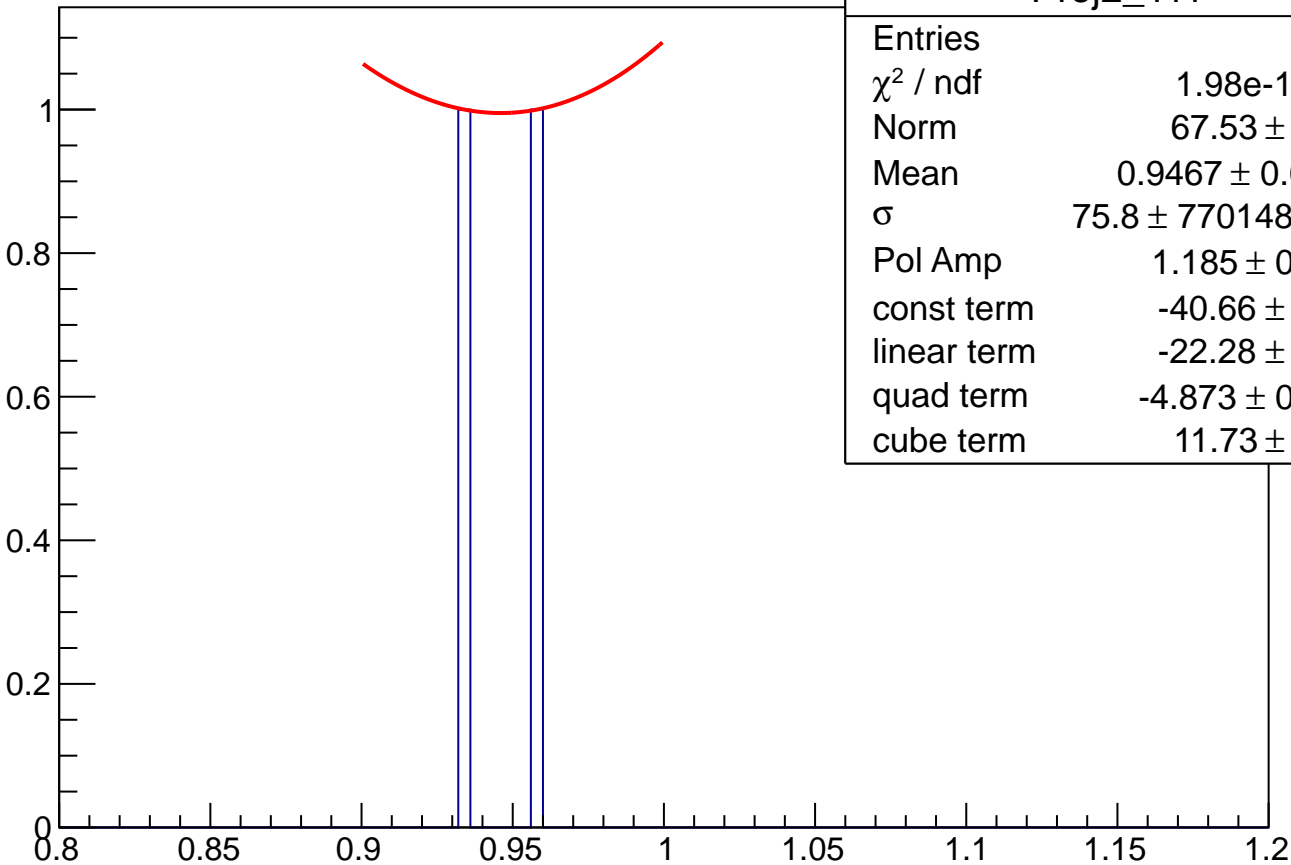
PhiThetaMassPim



Proj2_110

Entries	12
χ^2 / ndf	0.878 / 2
Norm	$2.4\text{e}+04 \pm 1.1\text{e}+04$
Mean	0.9873 ± 0.0714
σ	$1.596\text{e}-05 \pm 1.197\text{e}-08$
Pol Amp	138 ± 523.4
const term	0.03523 ± 0.00199
linear term	-0.023 ± 0.006
quad term	-0.02863 ± 0.01086
cube term	0.02374 ± 0.01600

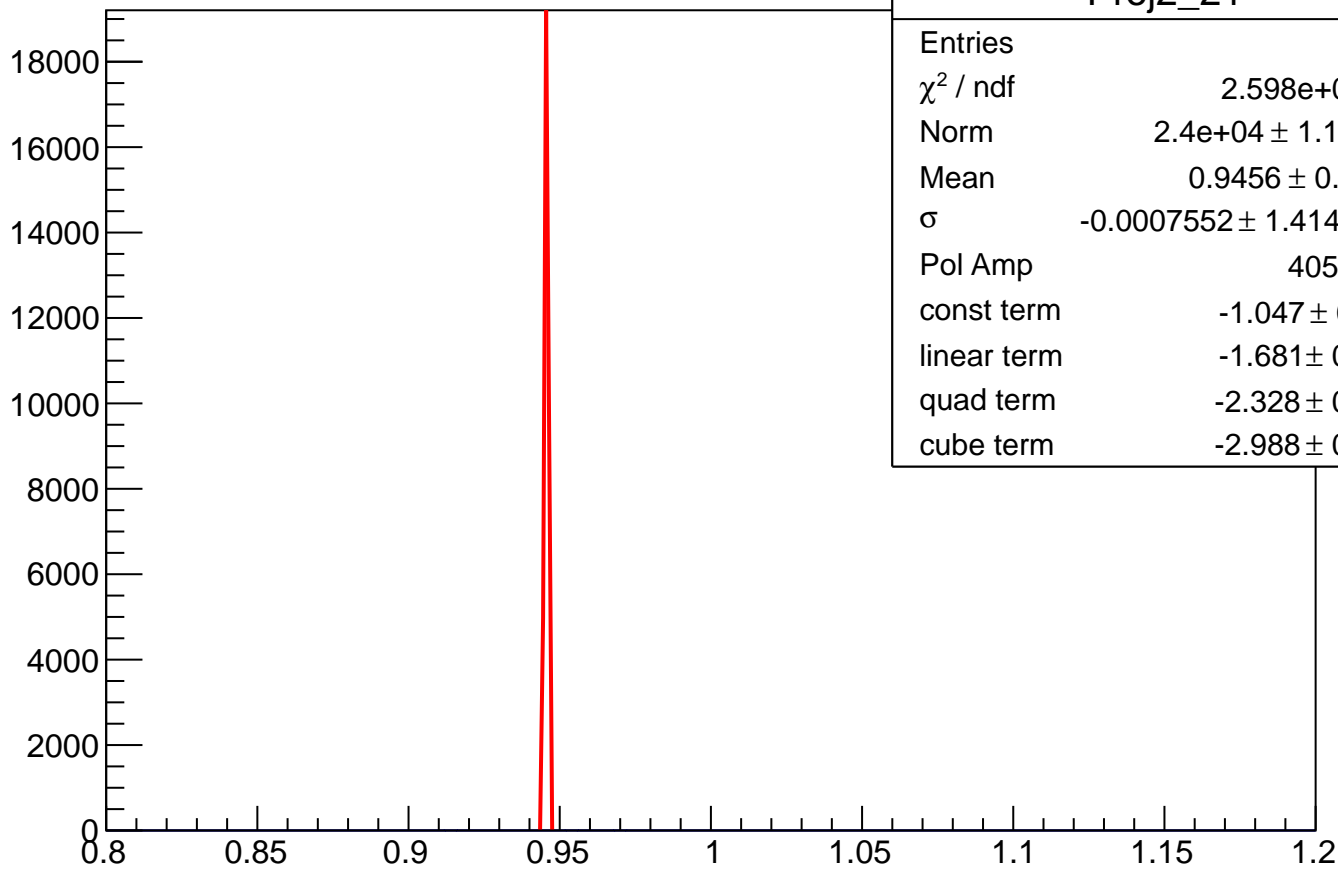
PhiThetaMassPim



Proj2_111

Entries	2
χ^2 / ndf	1.98e-10 / 0
Norm	67.53 ± 0.49
Mean	0.9467 ± 0.0751
σ	75.8 ± 77014888.0
Pol Amp	1.185 ± 0.009
const term	-40.66 ± 0.42
linear term	-22.28 ± 0.44
quad term	-4.873 ± 0.457
cube term	11.73 ± 0.48

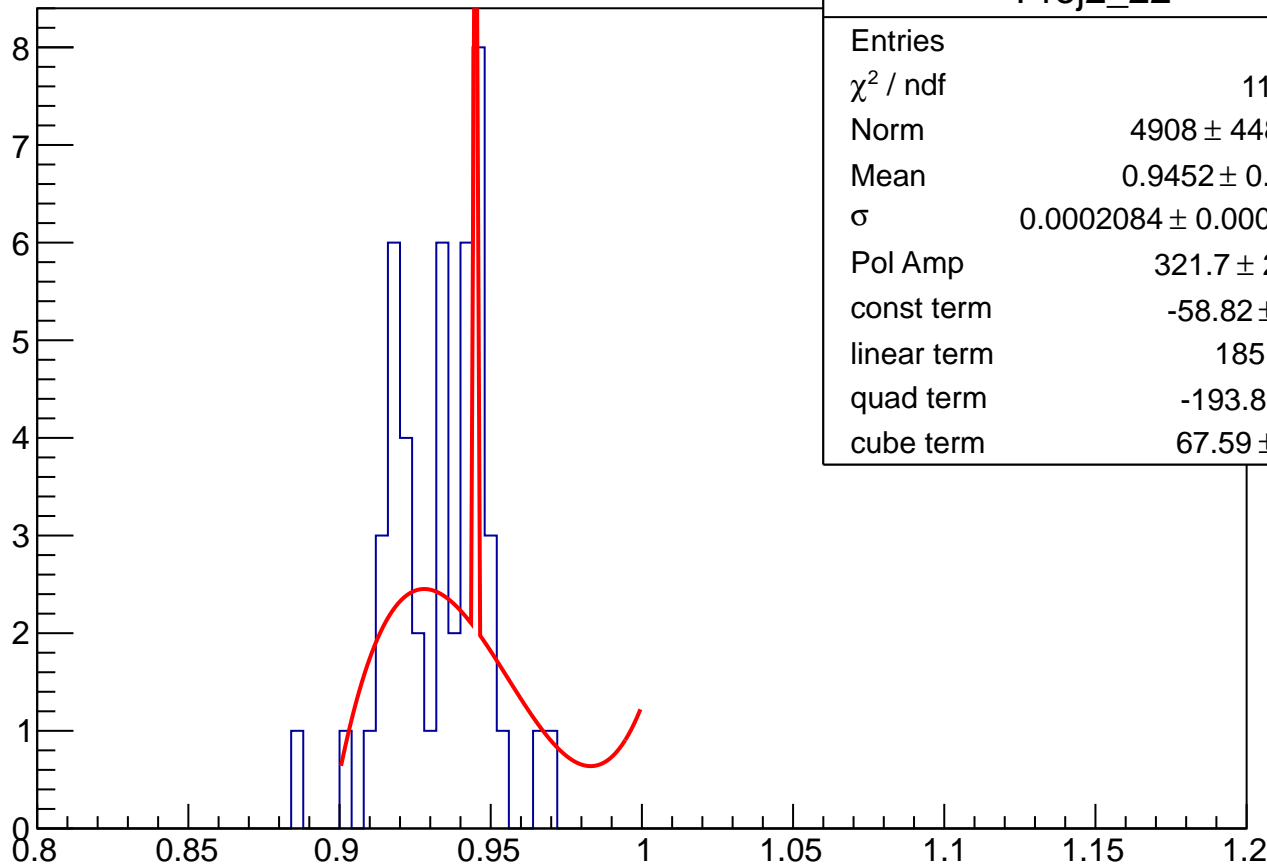
PhiThetaMassPim



Proj2_21	
Entries	3
χ^2 / ndf	2.598e+07 / 0
Norm	$2.4\text{e}+04 \pm 1.1\text{e}+04$
Mean	0.9456 ± 0.0000
σ	-0.0007552 ± 1.4142135
Pol Amp	405 ± 0.1
const term	-1.047 ± 0.001
linear term	-1.681 ± 0.002
quad term	-2.328 ± 0.002
cube term	-2.988 ± 0.002

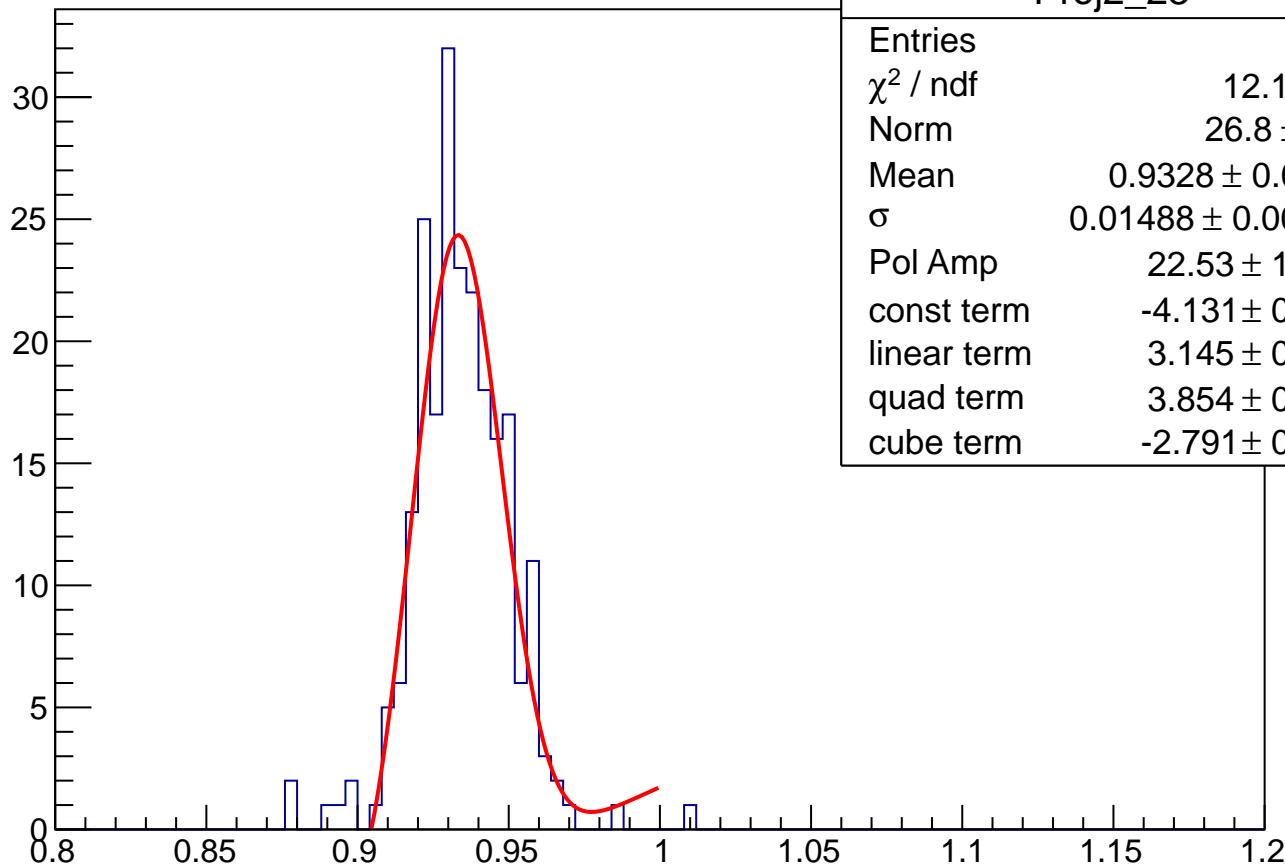
PhiThetaMassPim

Proj2_22

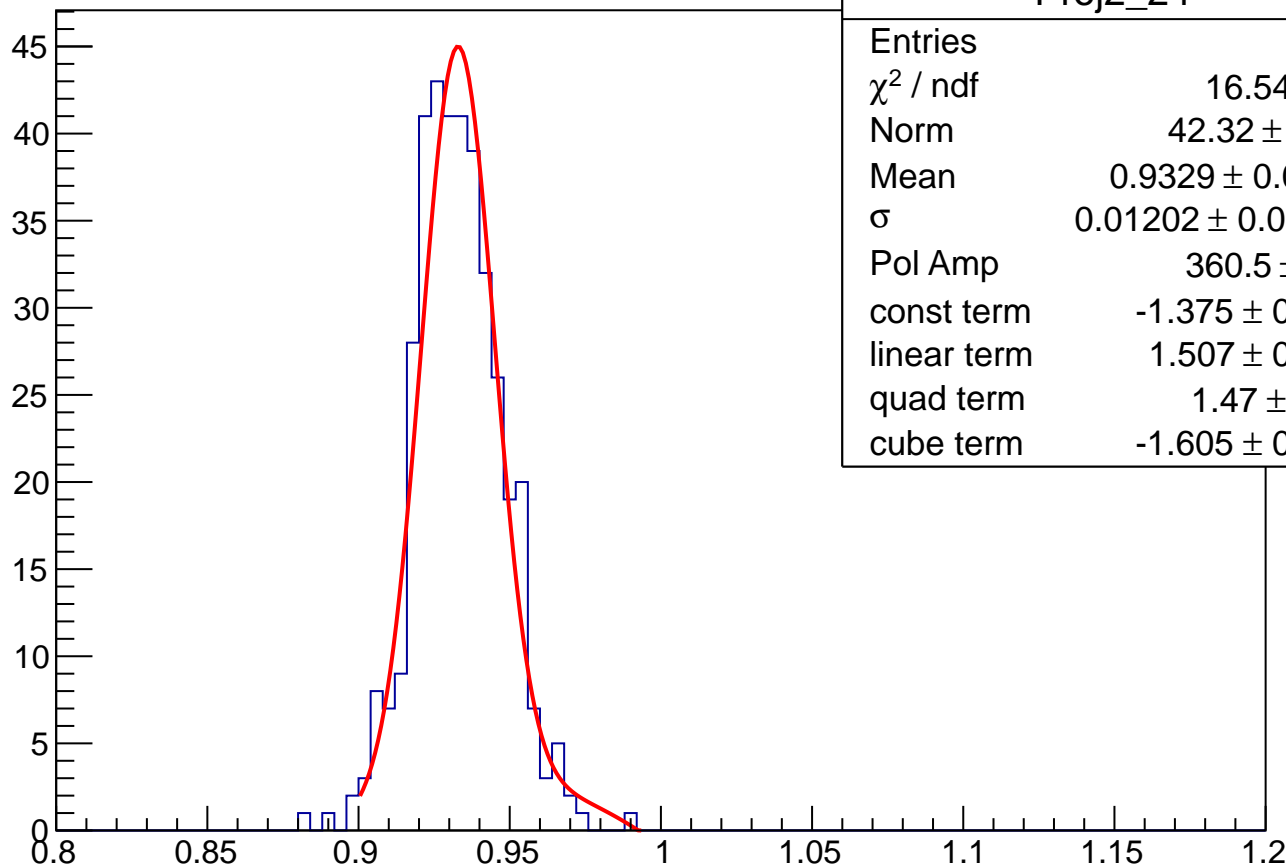


Entries	47
χ^2 / ndf	11.6 / 7
Norm	4908 ± 44896.2
Mean	0.9452 ± 0.0003
σ	0.0002084 ± 0.0000833
Pol Amp	321.7 ± 202.9
const term	-58.82 ± 0.01
linear term	185 ± 0.0
quad term	-193.8 ± 0.0
cube term	67.59 ± 0.01

PhiThetaMassPim



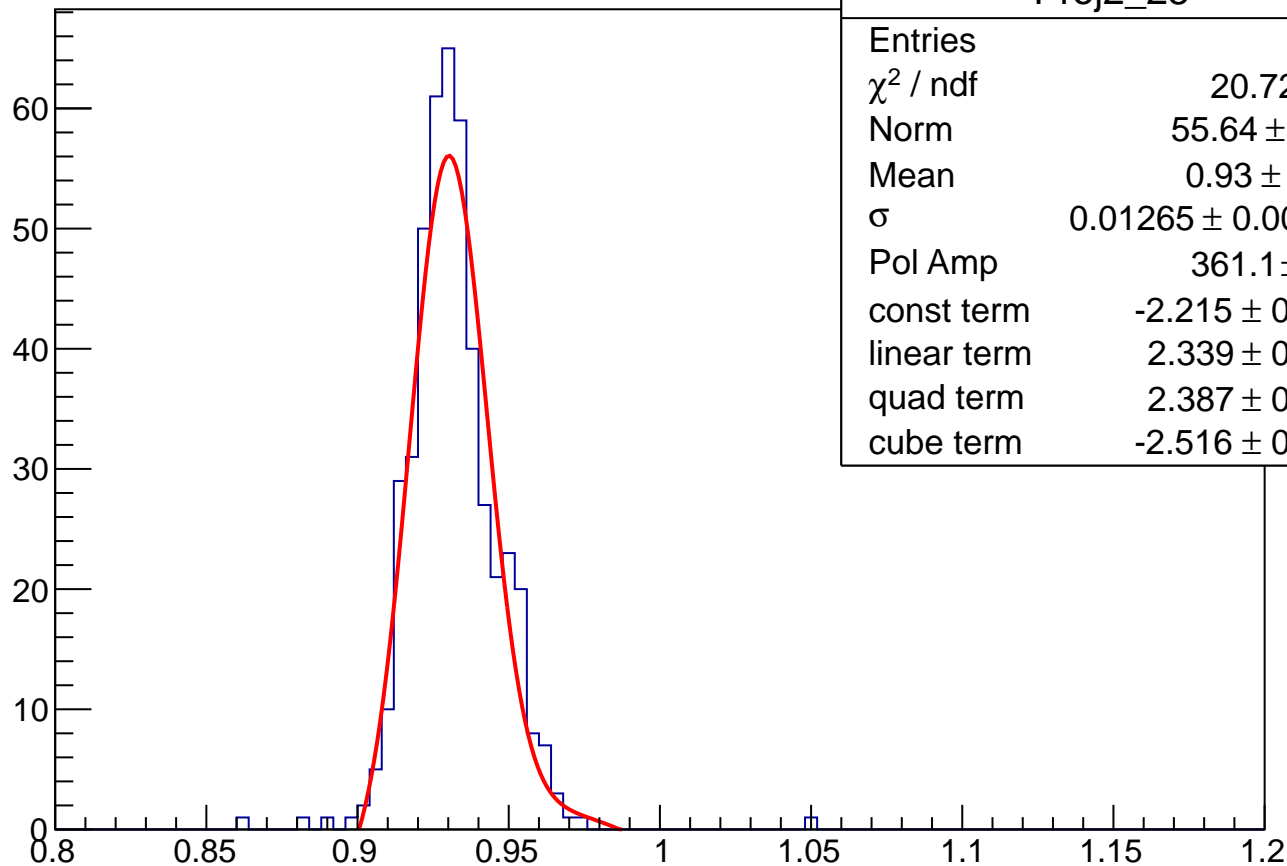
PhiThetaMassPim



Proj2_24

Entries	380
χ^2 / ndf	16.54 / 12
Norm	42.32 ± 3.19
Mean	0.9329 ± 0.0009
σ	0.01202 ± 0.00081
Pol Amp	360.5 ± 0.9
const term	-1.375 ± 0.302
linear term	1.507 ± 0.305
quad term	1.47 ± 0.31
cube term	-1.605 ± 0.315

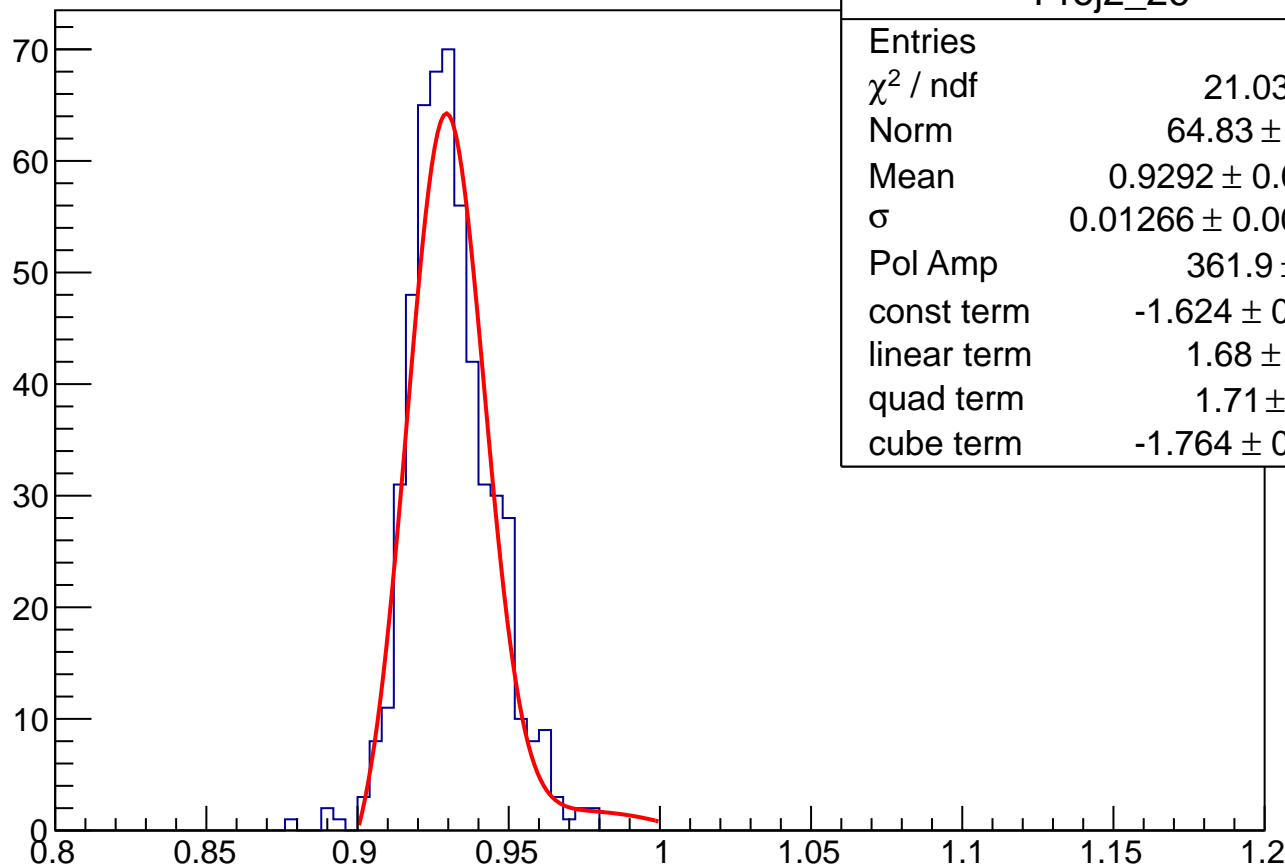
PhiThetaMassPim



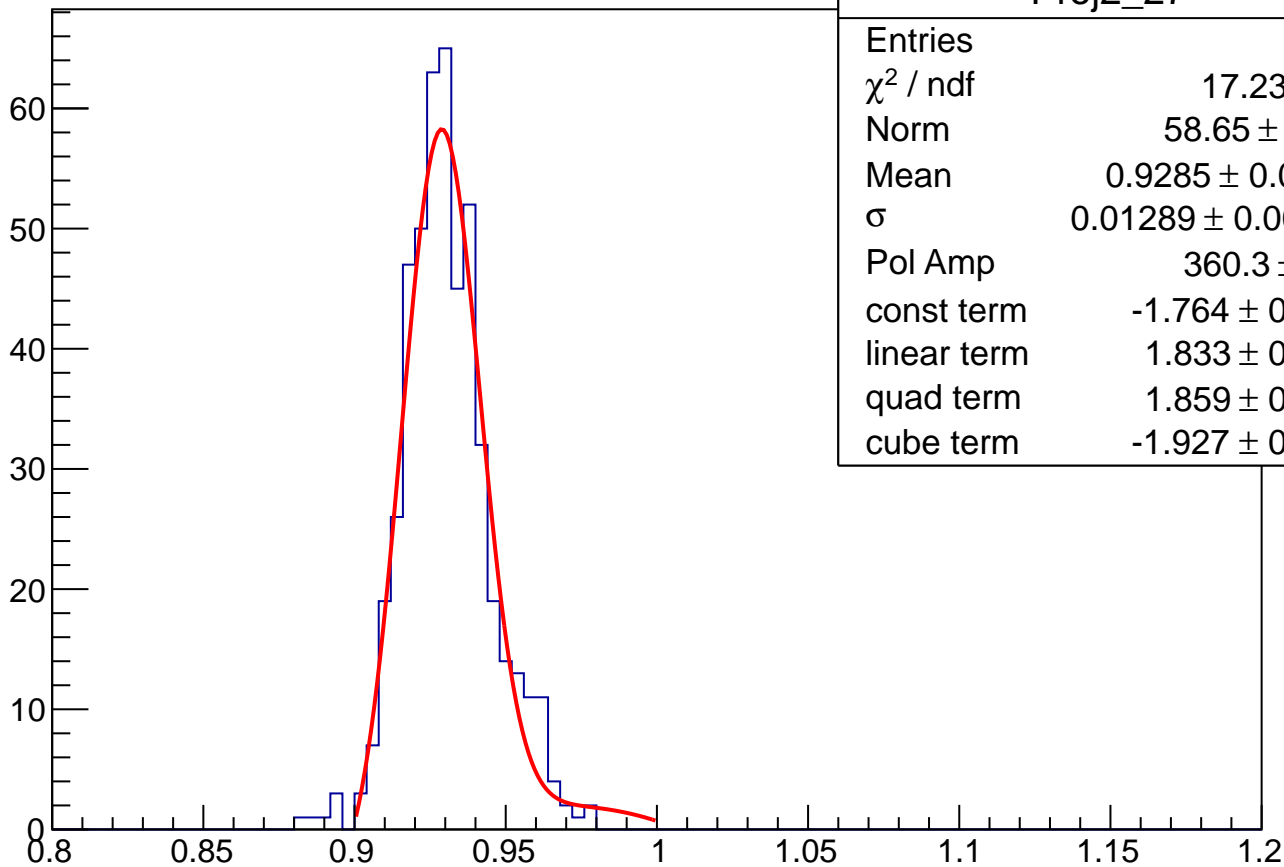
Proj2_25

Entries	468
χ^2 / ndf	20.72 / 11
Norm	55.64 ± 3.71
Mean	0.93 ± 0.00
σ	0.01265 ± 0.00106
Pol Amp	361.1 ± 1.2
const term	-2.215 ± 0.474
linear term	2.339 ± 0.479
quad term	2.387 ± 0.499
cube term	-2.516 ± 0.507

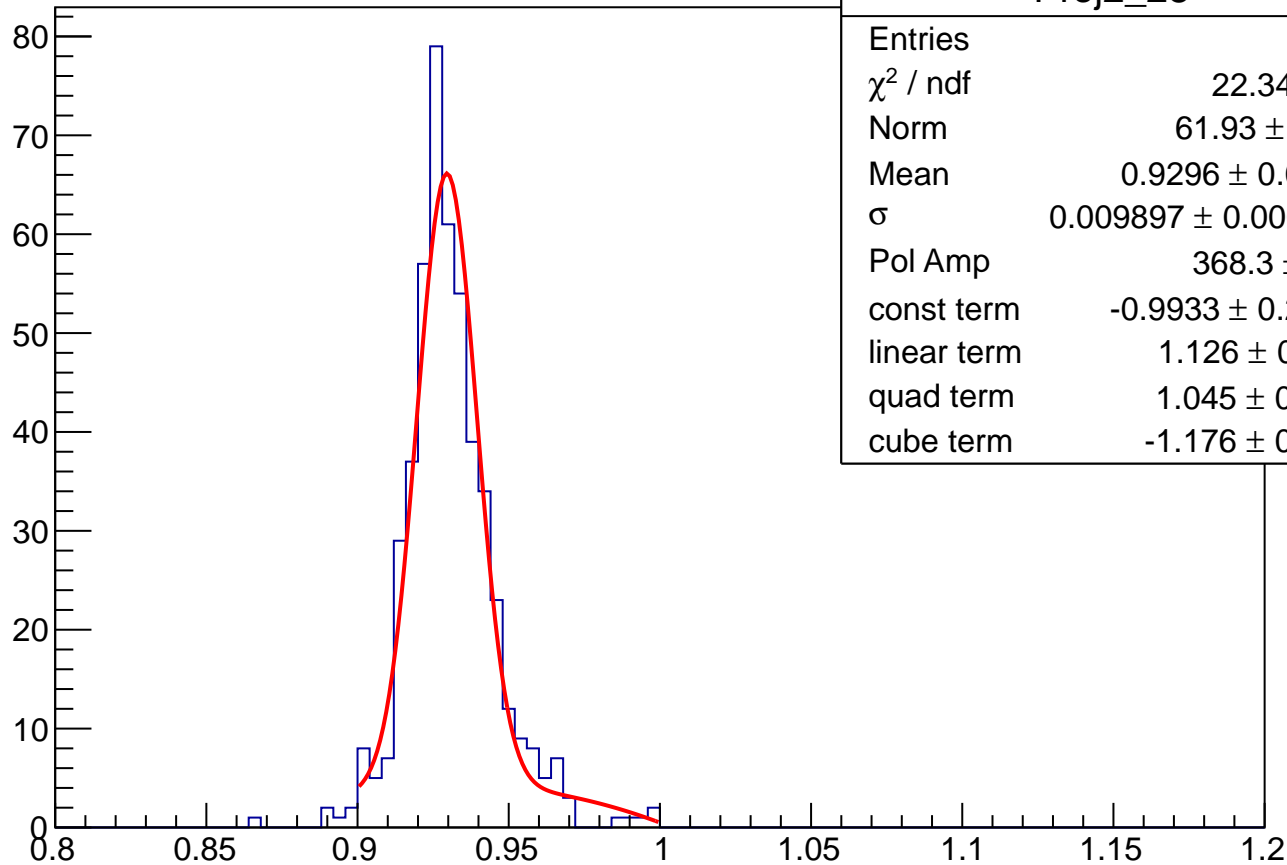
PhiThetaMassPim



PhiThetaMassPim



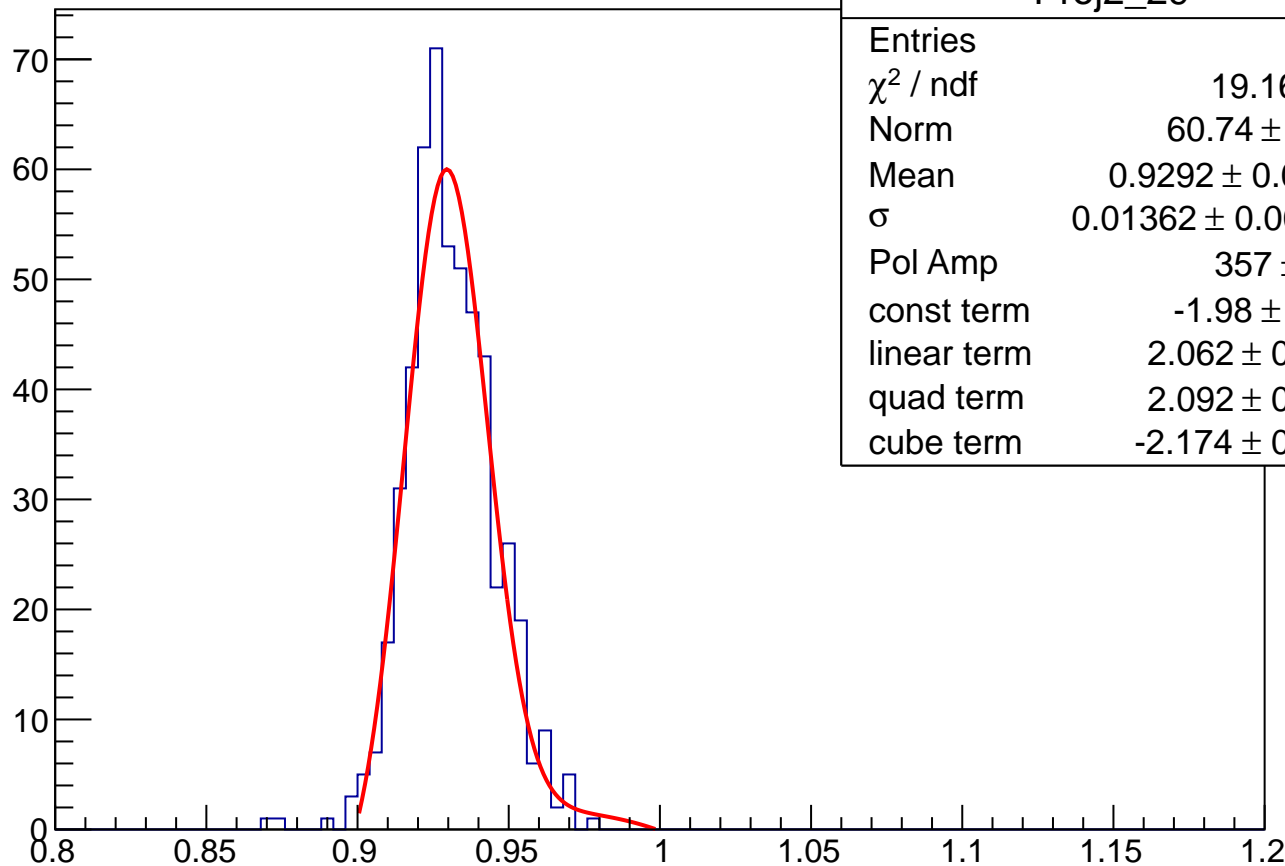
PhiThetaMassPim



Proj2_28

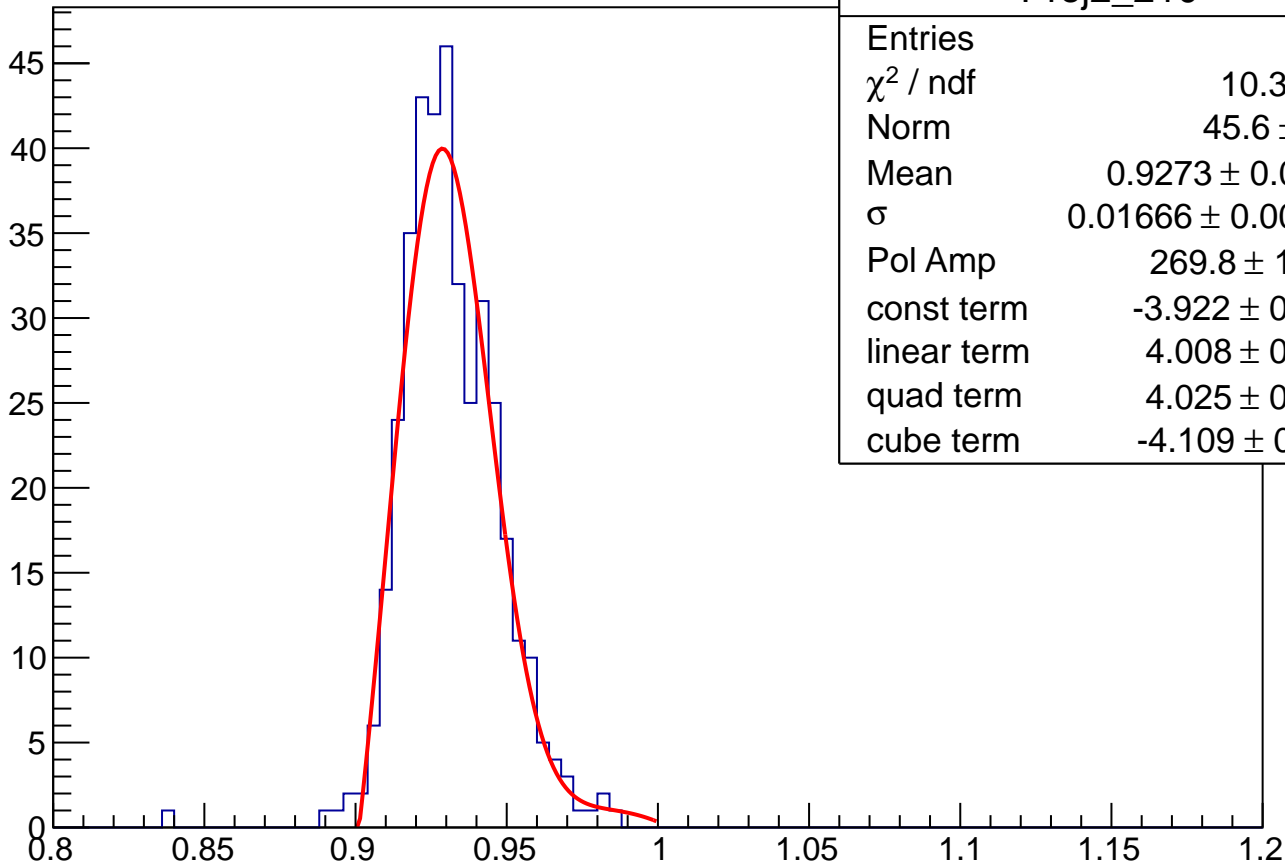
Entries	488
χ^2 / ndf	22.34 / 14
Norm	61.93 ± 4.36
Mean	0.9296 ± 0.0006
σ	0.009897 ± 0.000692
Pol Amp	368.3 ± 0.6
const term	-0.9933 ± 0.2778
linear term	1.126 ± 0.284
quad term	1.045 ± 0.277
cube term	-1.176 ± 0.285

PhiThetaMassPim

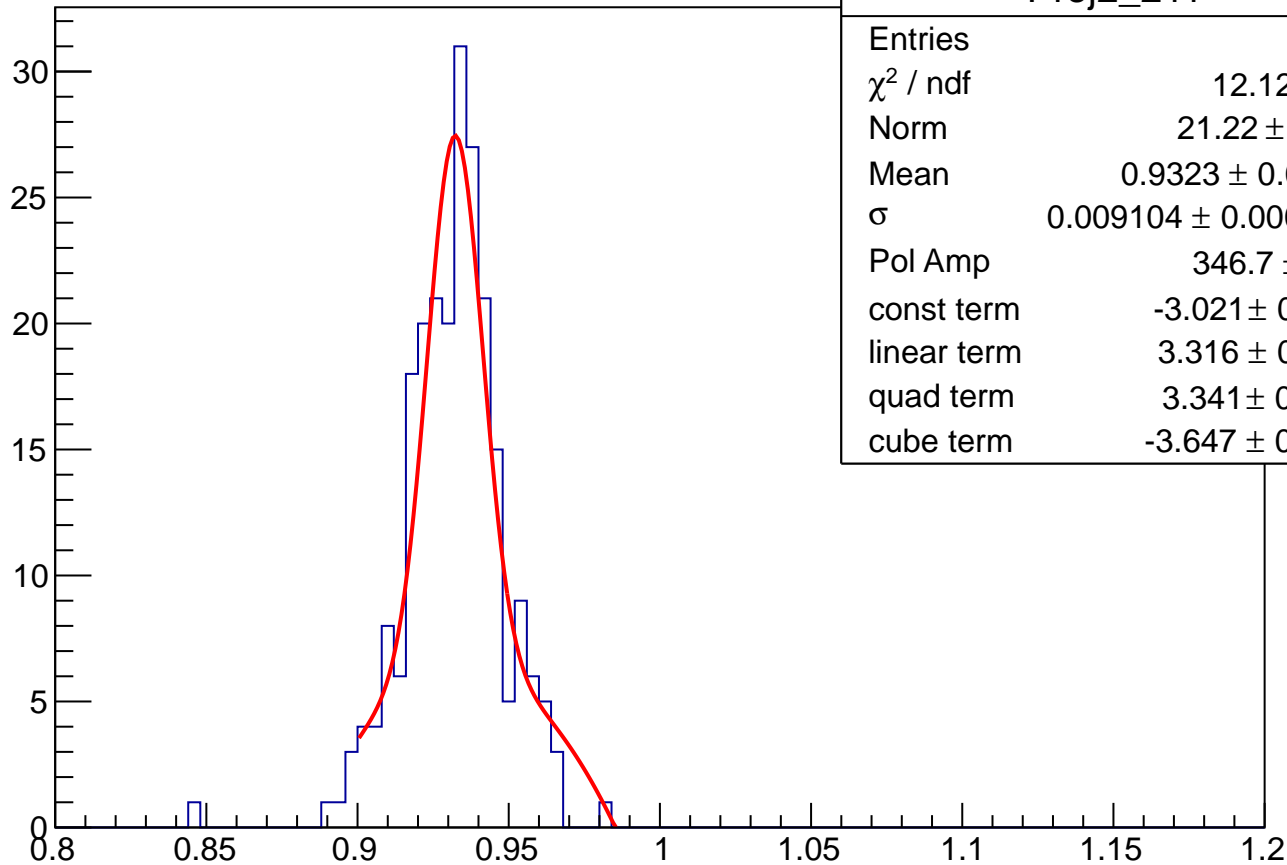


PhiThetaMassPim

Proj2_210	
Entries	385
χ^2 / ndf	10.3 / 14
Norm	45.6 ± 3.6
Mean	0.9273 ± 0.0016
σ	0.01666 ± 0.00143
Pol Amp	269.8 ± 111.4
const term	-3.922 ± 0.019
linear term	4.008 ± 0.020
quad term	4.025 ± 0.020
cube term	-4.109 ± 0.021



PhiThetaMassPim

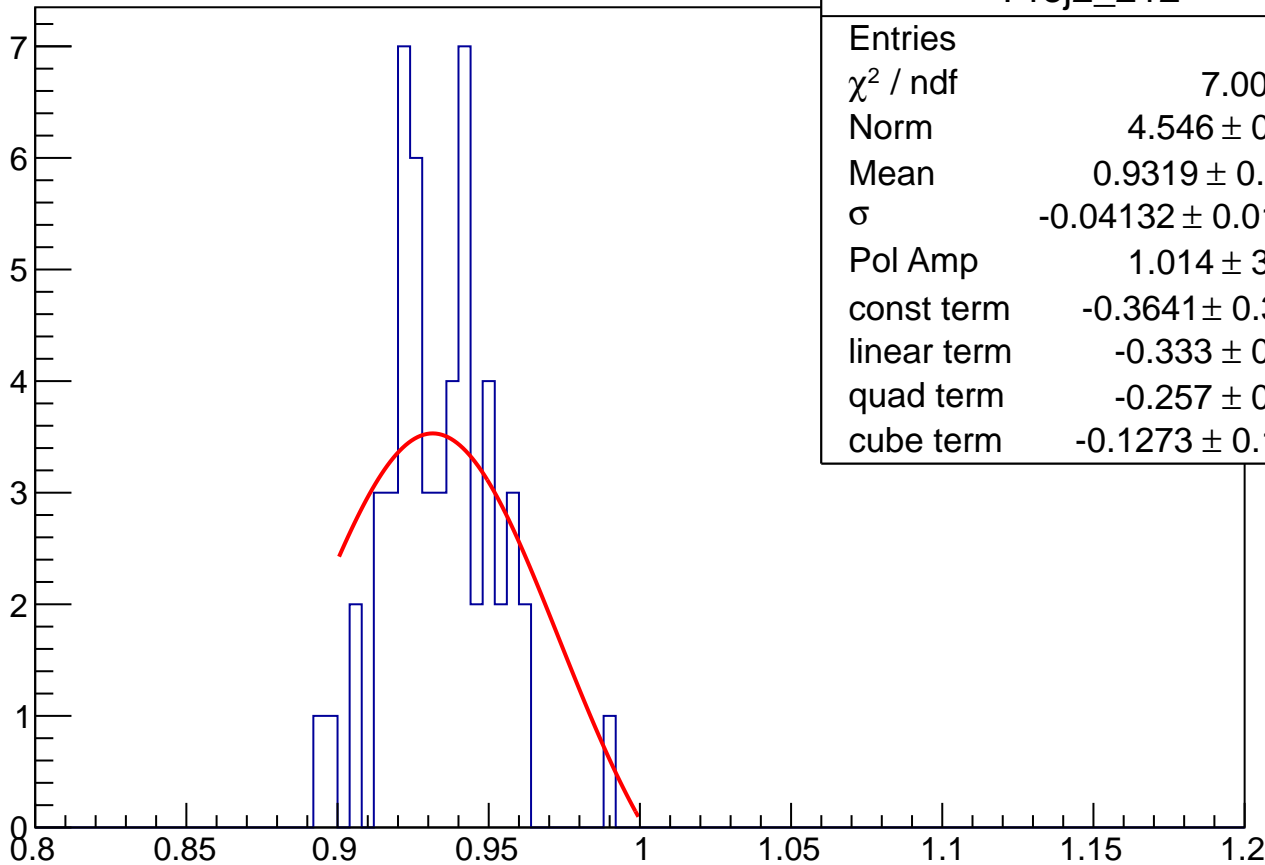


Proj2_211

Entries	230
χ^2 / ndf	12.12 / 10
Norm	21.22 ± 3.03
Mean	0.9323 ± 0.0013
σ	0.009104 ± 0.000877
Pol Amp	346.7 ± 1.5
const term	-3.021 ± 0.680
linear term	3.316 ± 0.724
quad term	3.341 ± 0.738
cube term	-3.647 ± 0.785

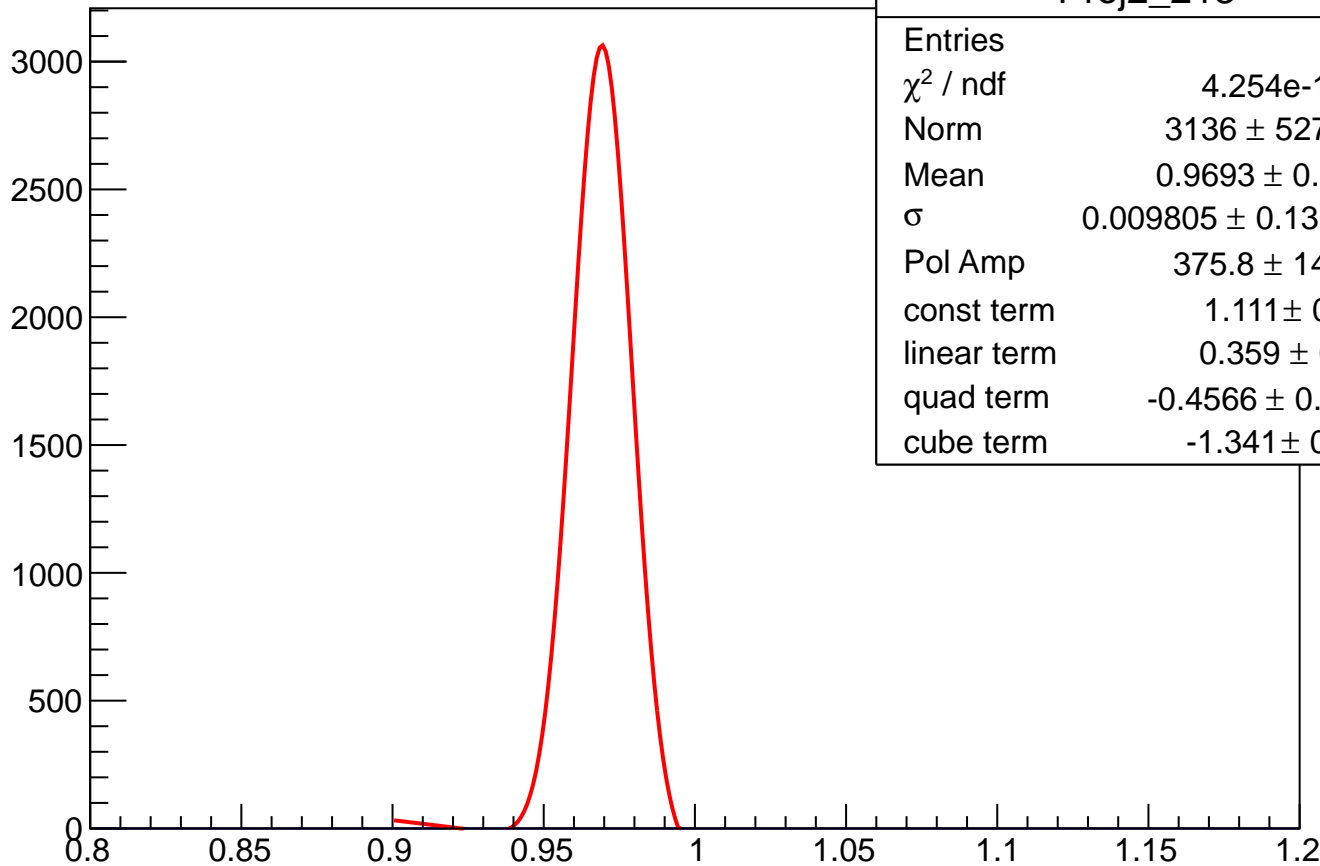
PhiThetaMassPim

Proj2_212



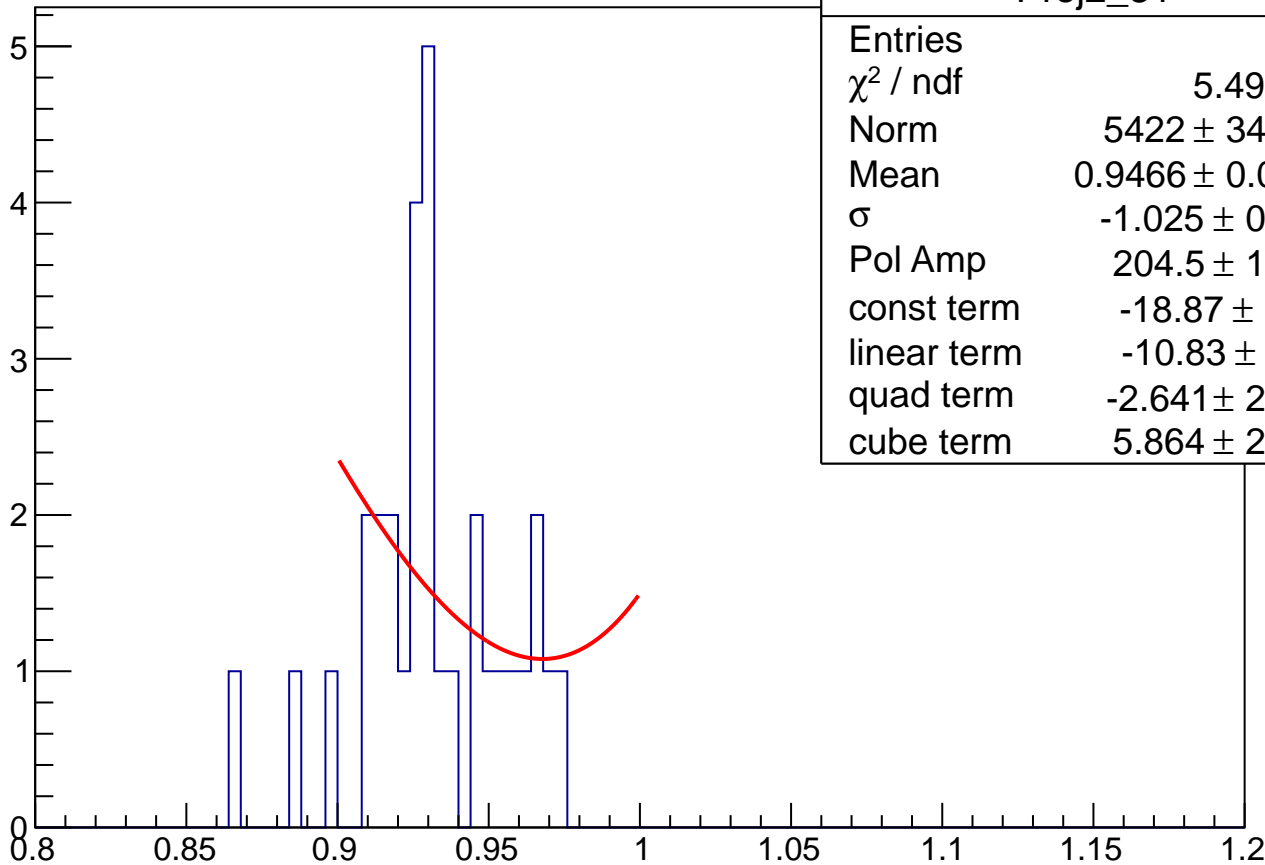
Entries	54
χ^2 / ndf	7.007 / 7
Norm	4.546 ± 0.992
Mean	0.9319 ± 0.0121
σ	-0.04132 ± 0.01786
Pol Amp	1.014 ± 3.605
const term	-0.3641 ± 0.3569
linear term	-0.333 ± 0.183
quad term	-0.257 ± 0.027
cube term	-0.1273 ± 0.1666

PhiThetaMassPim



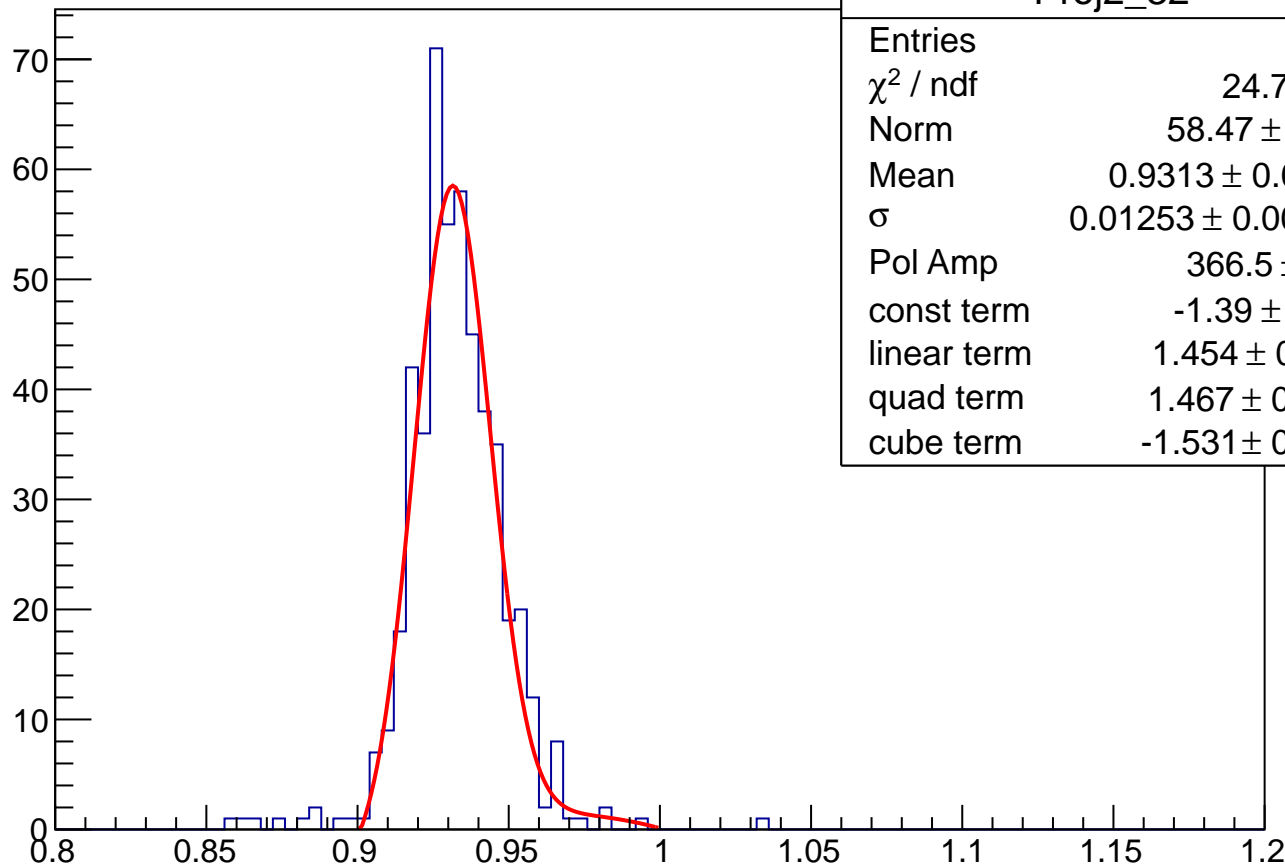
PhiThetaMassPim

Proj2_31



Entries	31
χ^2 / ndf	5.499 / 8
Norm	5422 ± 3495.4
Mean	0.9466 ± 0.0123
σ	-1.025 ± 0.214
Pol Amp	204.5 ± 137.5
const term	-18.87 ± 1.69
linear term	-10.83 ± 2.90
quad term	-2.641 ± 2.579
cube term	5.864 ± 2.568

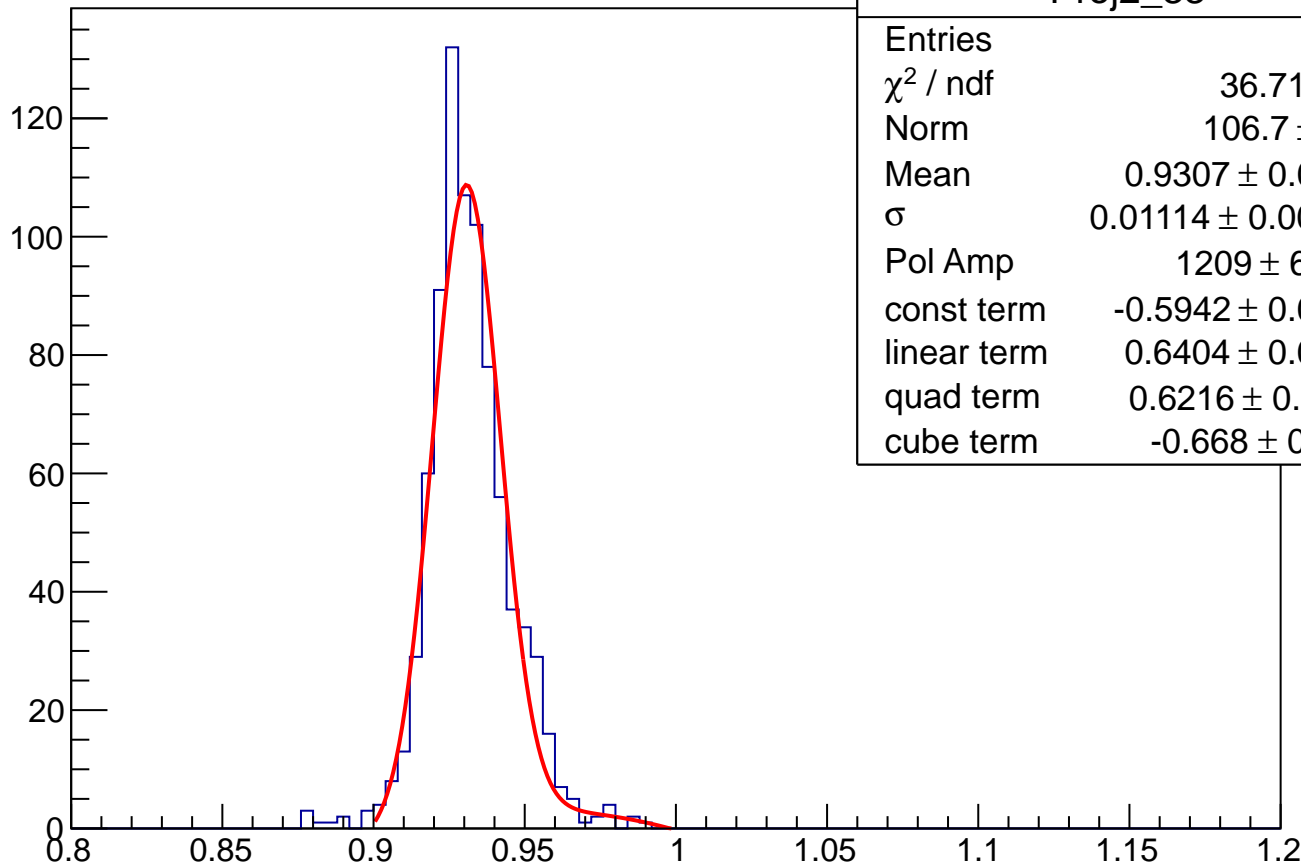
PhiThetaMassPim



Proj2_32

Entries	491
χ^2 / ndf	24.7 / 13
Norm	58.47 ± 3.43
Mean	0.9313 ± 0.0007
σ	0.01253 ± 0.00073
Pol Amp	366.5 ± 0.6
const term	-1.39 ± 0.24
linear term	1.454 ± 0.241
quad term	1.467 ± 0.249
cube term	-1.531 ± 0.248

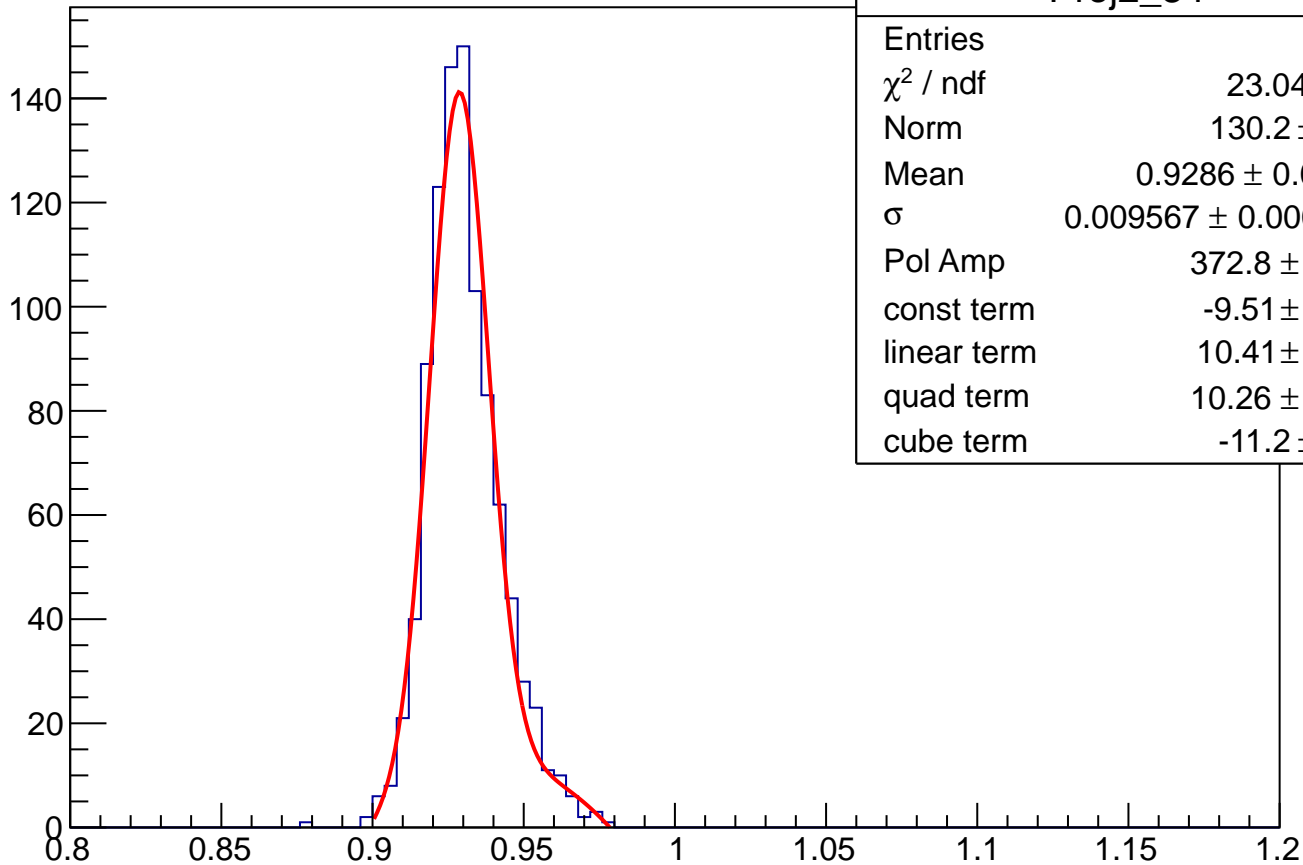
PhiThetaMassPim



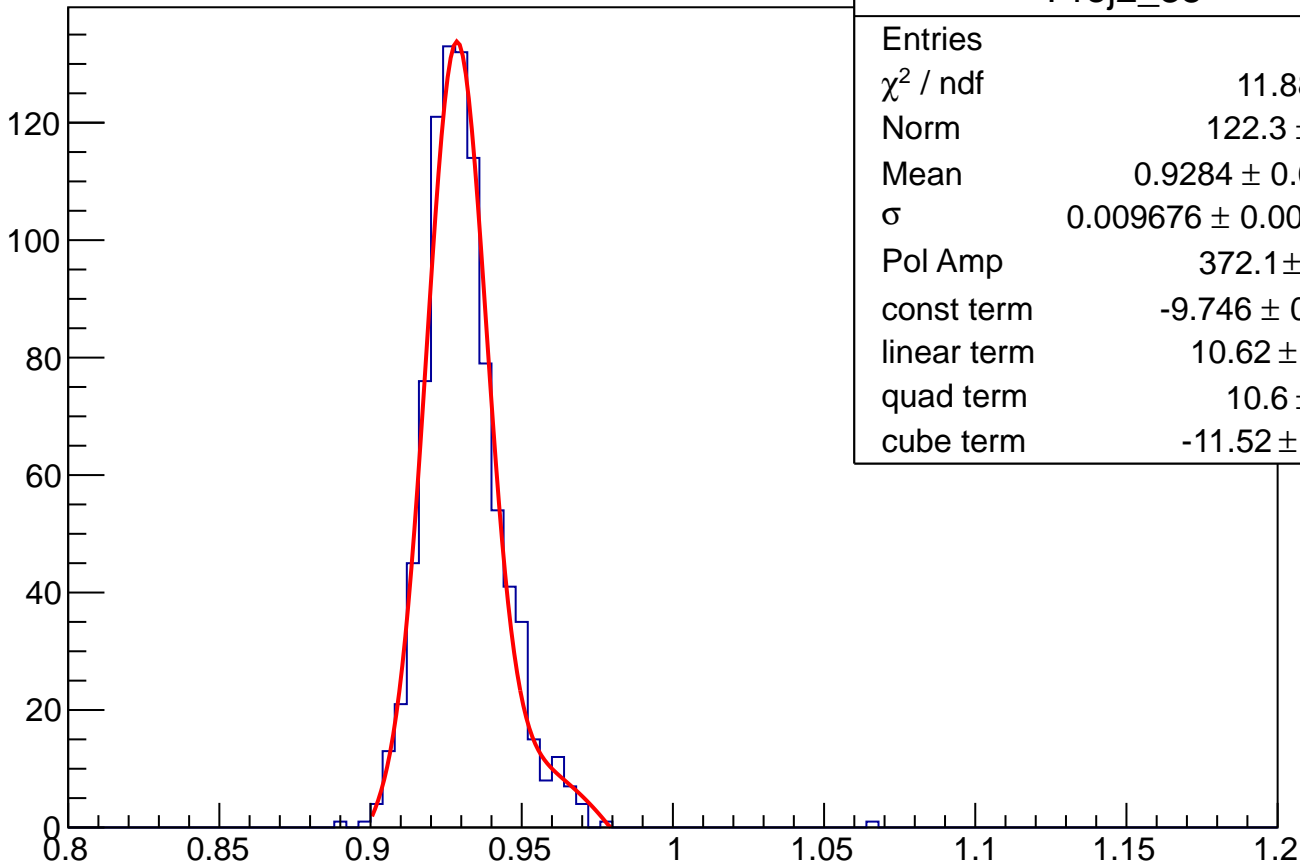
Proj2_33

Entries	828
χ^2 / ndf	36.71 / 14
Norm	106.7 ± 5.4
Mean	0.9307 ± 0.0005
σ	0.01114 ± 0.00047
Pol Amp	1209 ± 611.8
const term	-0.5942 ± 0.0046
linear term	0.6404 ± 0.0050
quad term	0.6216 ± 0.0051
cube term	-0.668 ± 0.005

PhiThetaMassPim



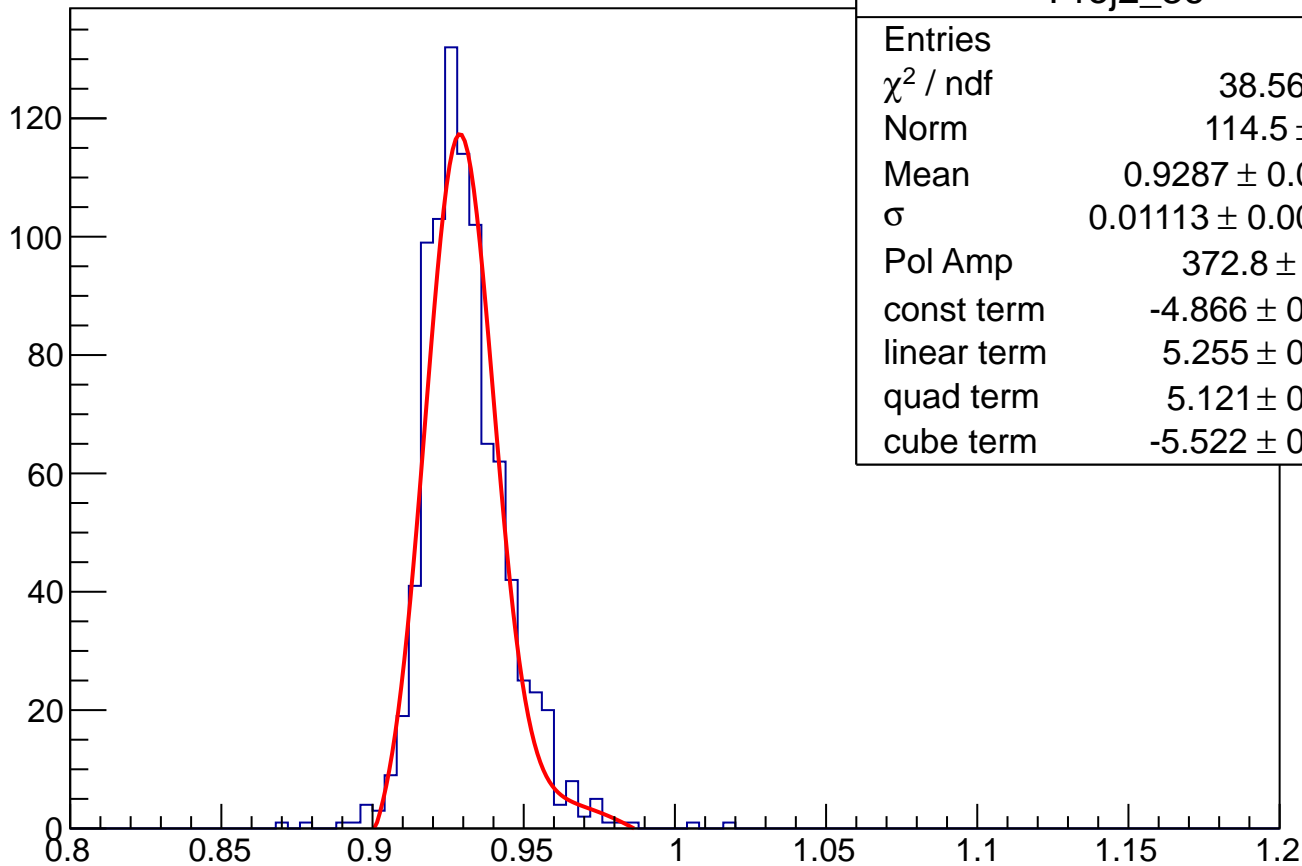
PhiThetaMassPim



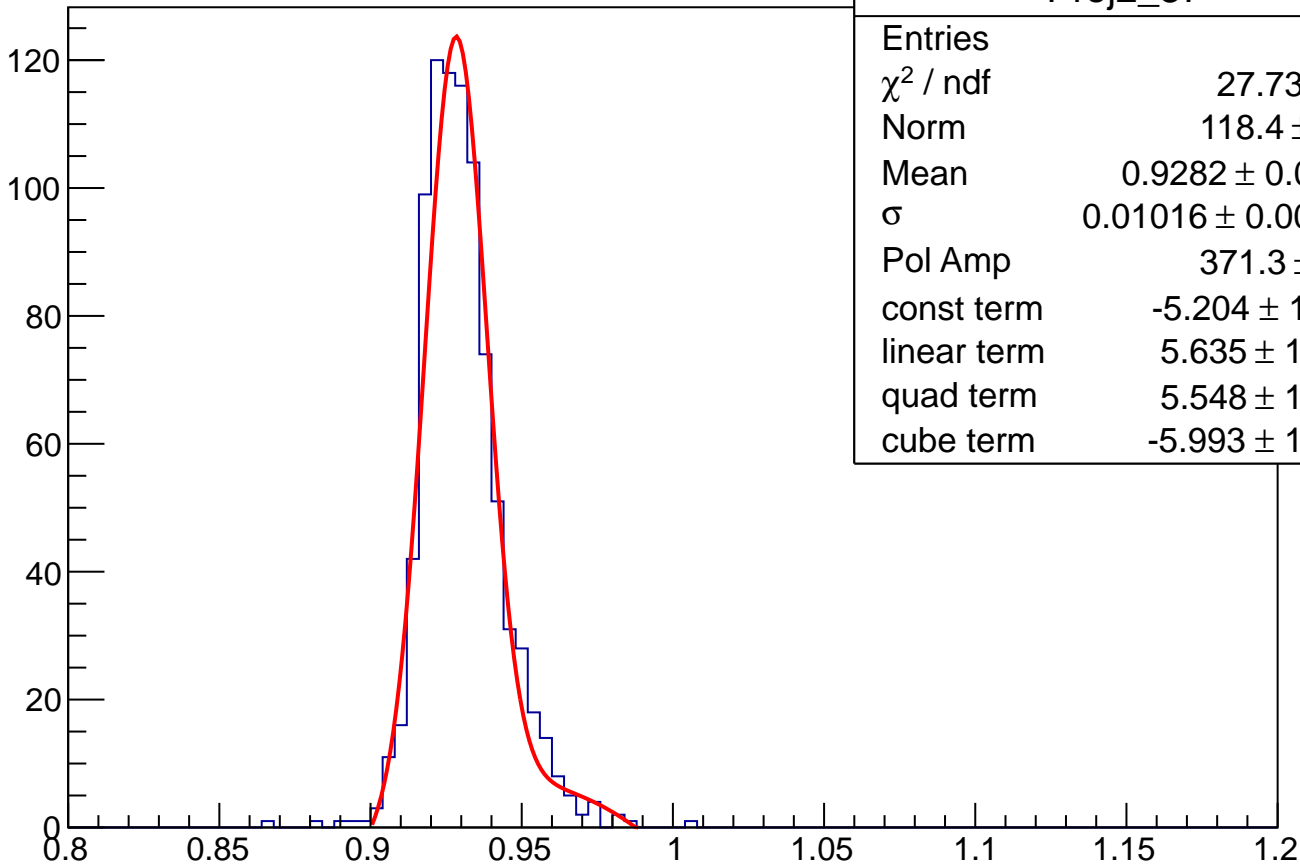
Proj2_35

Entries	918
χ^2 / ndf	11.88 / 11
Norm	122.3 ± 6.3
Mean	0.9284 ± 0.0005
σ	0.009676 ± 0.000451
Pol Amp	372.1 ± 82.1
const term	-9.746 ± 0.020
linear term	10.62 ± 0.02
quad term	10.6 ± 0.0
cube term	-11.52 ± 0.02

PhiThetaMassPim



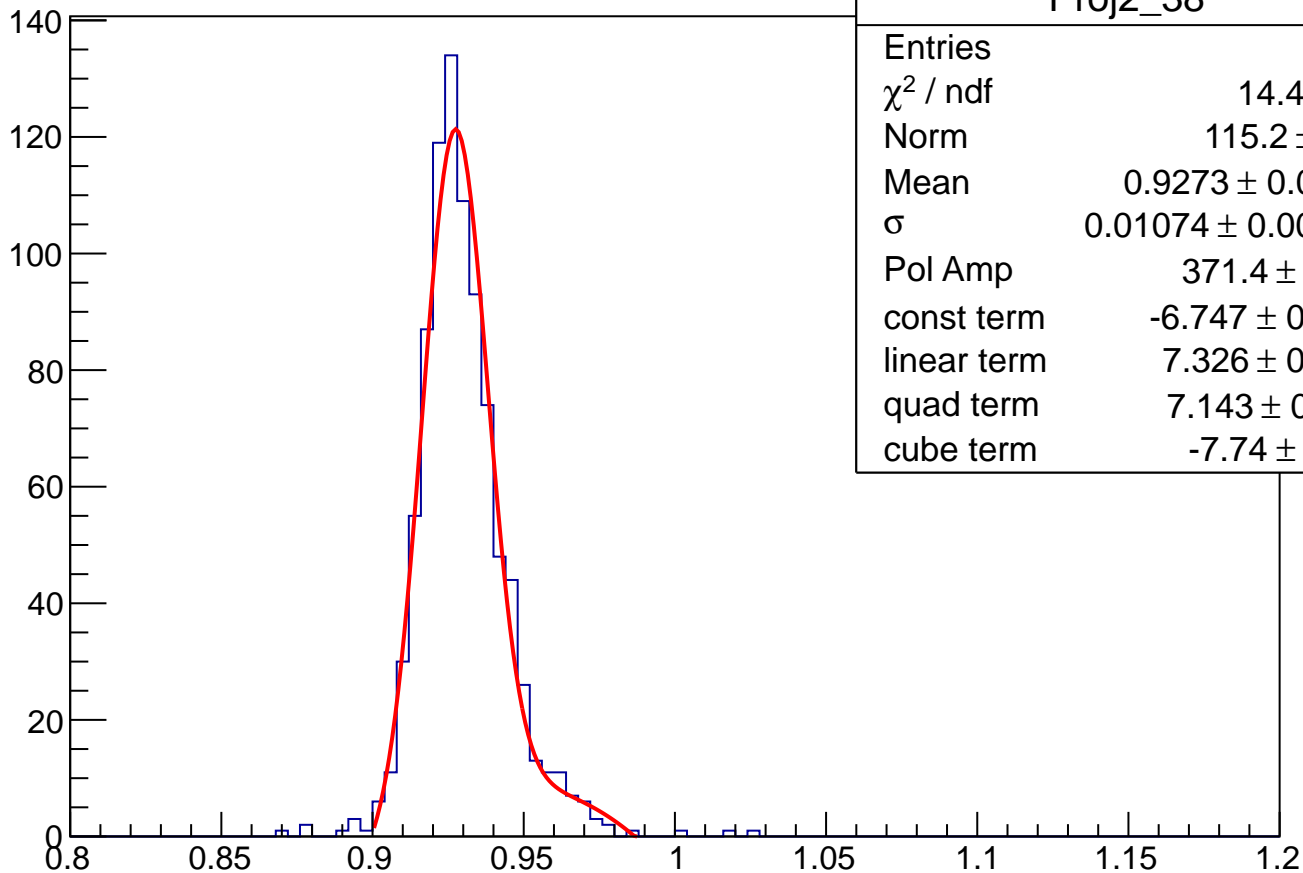
PhiThetaMassPim



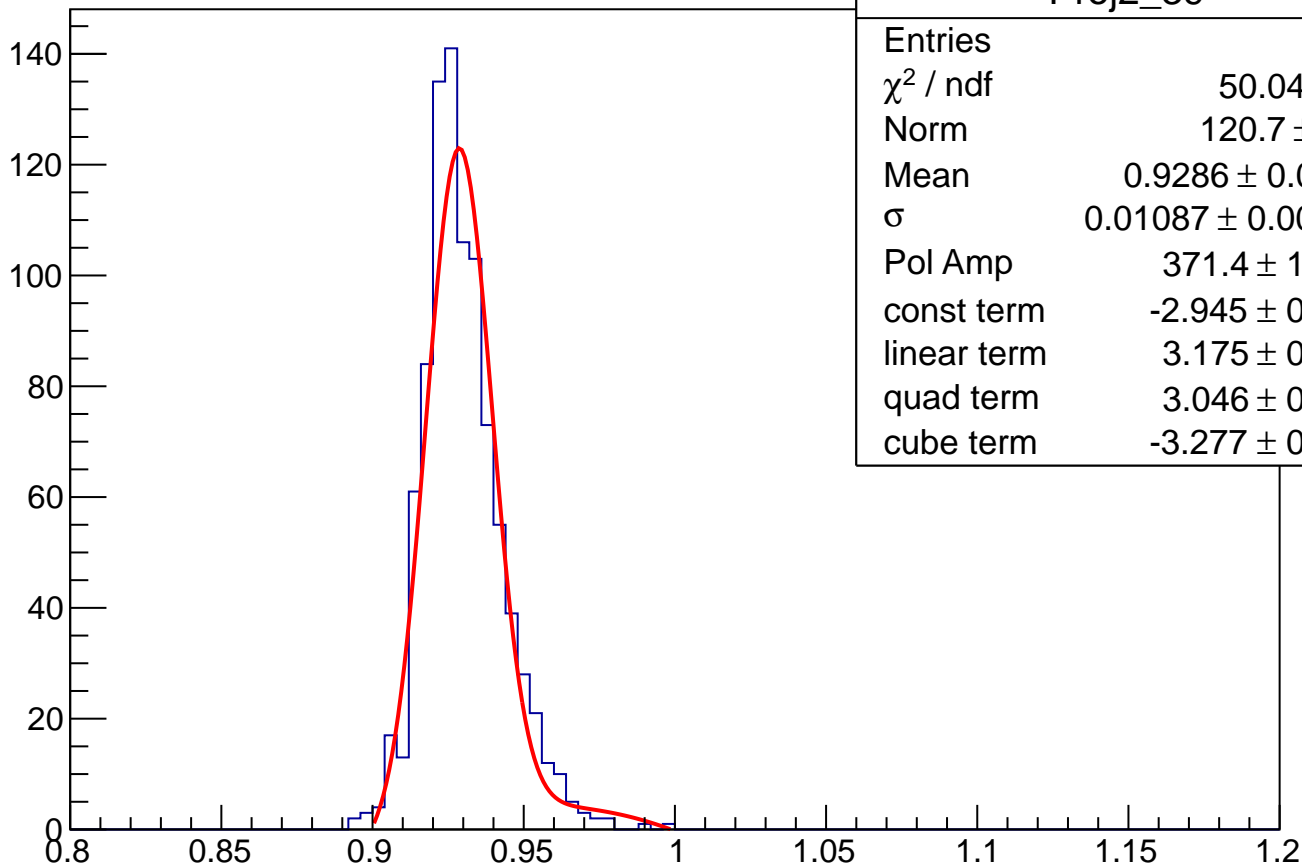
Proj2_37

Entries	873
χ^2 / ndf	27.73 / 13
Norm	118.4 ± 5.9
Mean	0.9282 ± 0.0005
σ	0.01016 ± 0.00053
Pol Amp	371.3 ± 1.0
const term	-5.204 ± 1.271
linear term	5.635 ± 1.383
quad term	5.548 ± 1.359
cube term	-5.993 ± 1.476

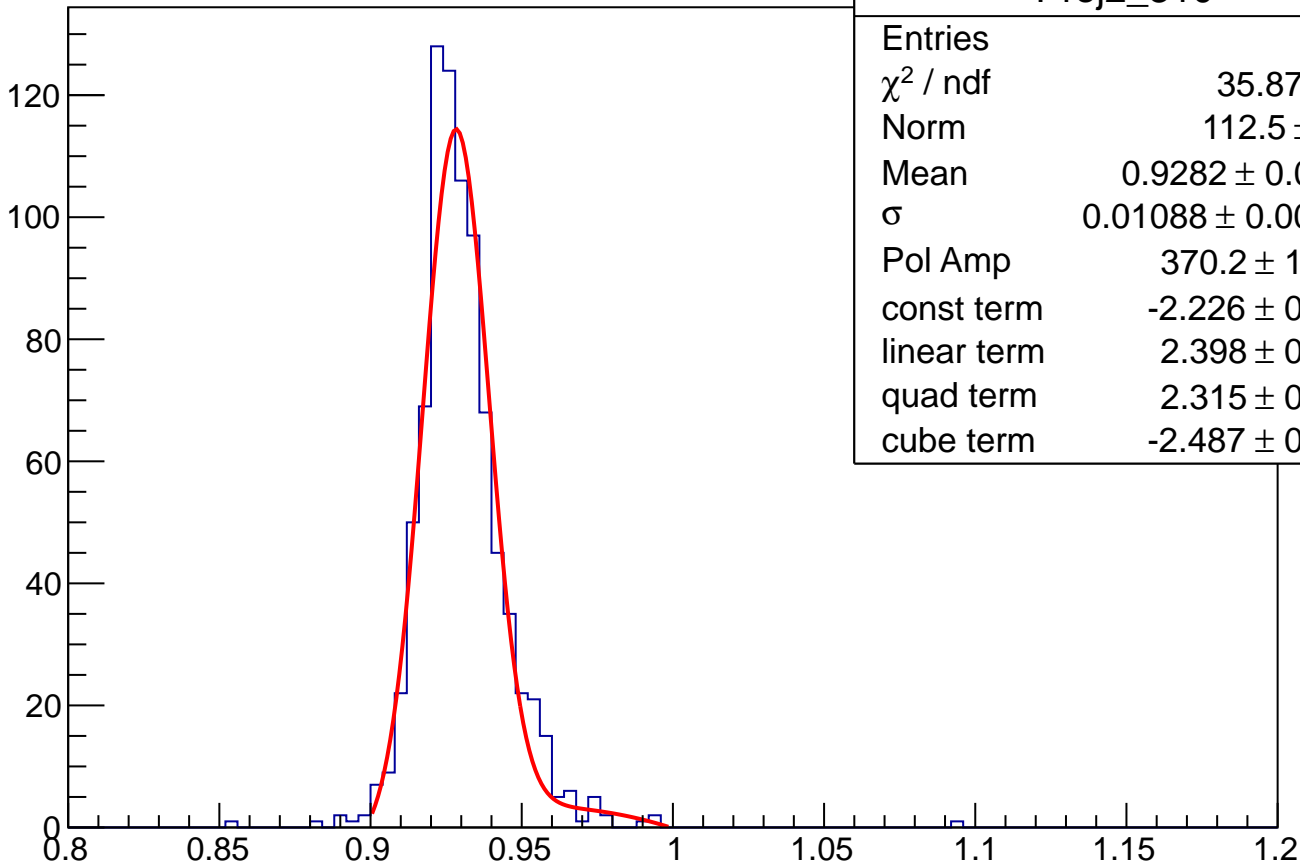
PhiThetaMassPim



PhiThetaMassPim



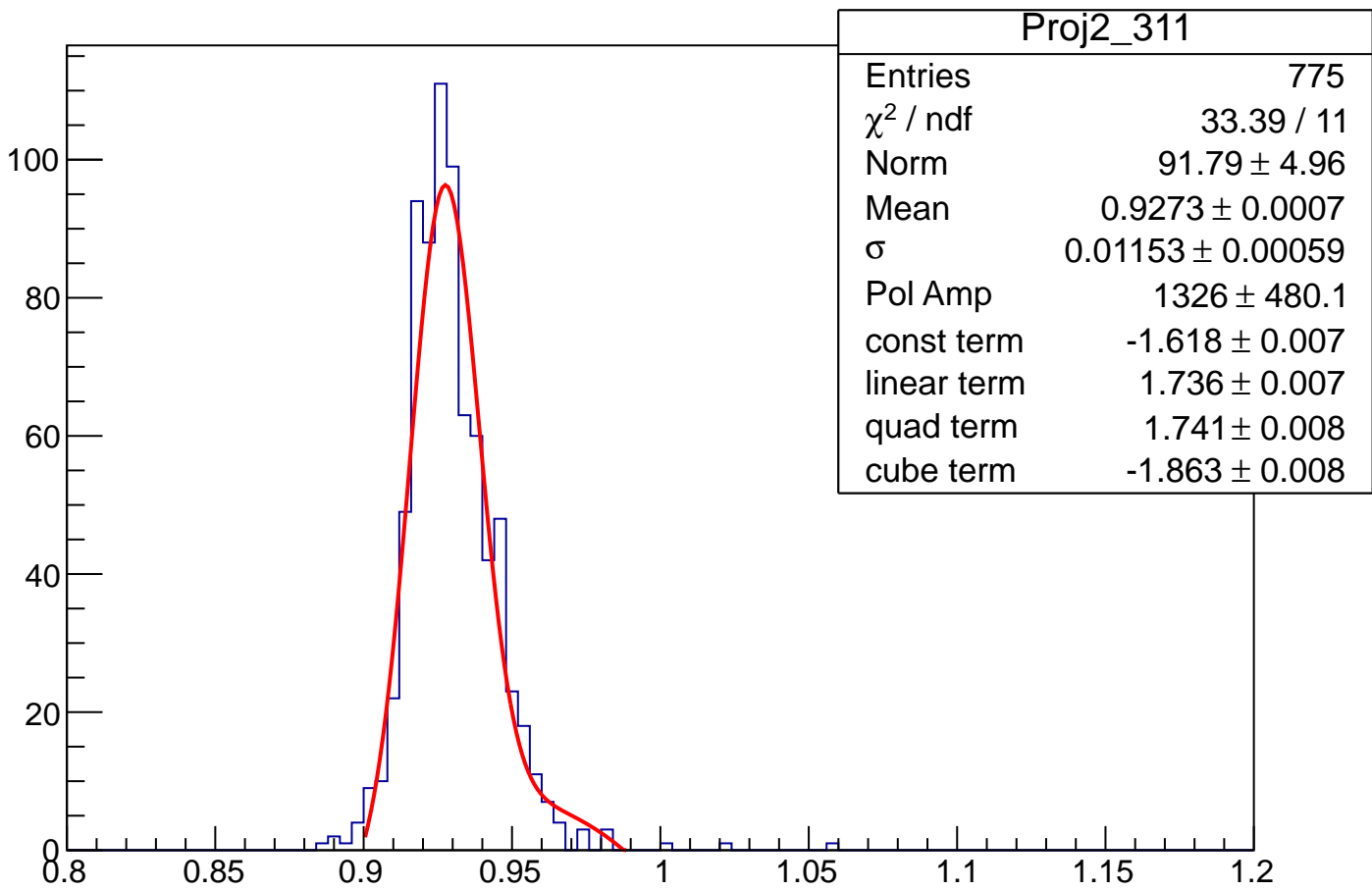
PhiThetaMassPim



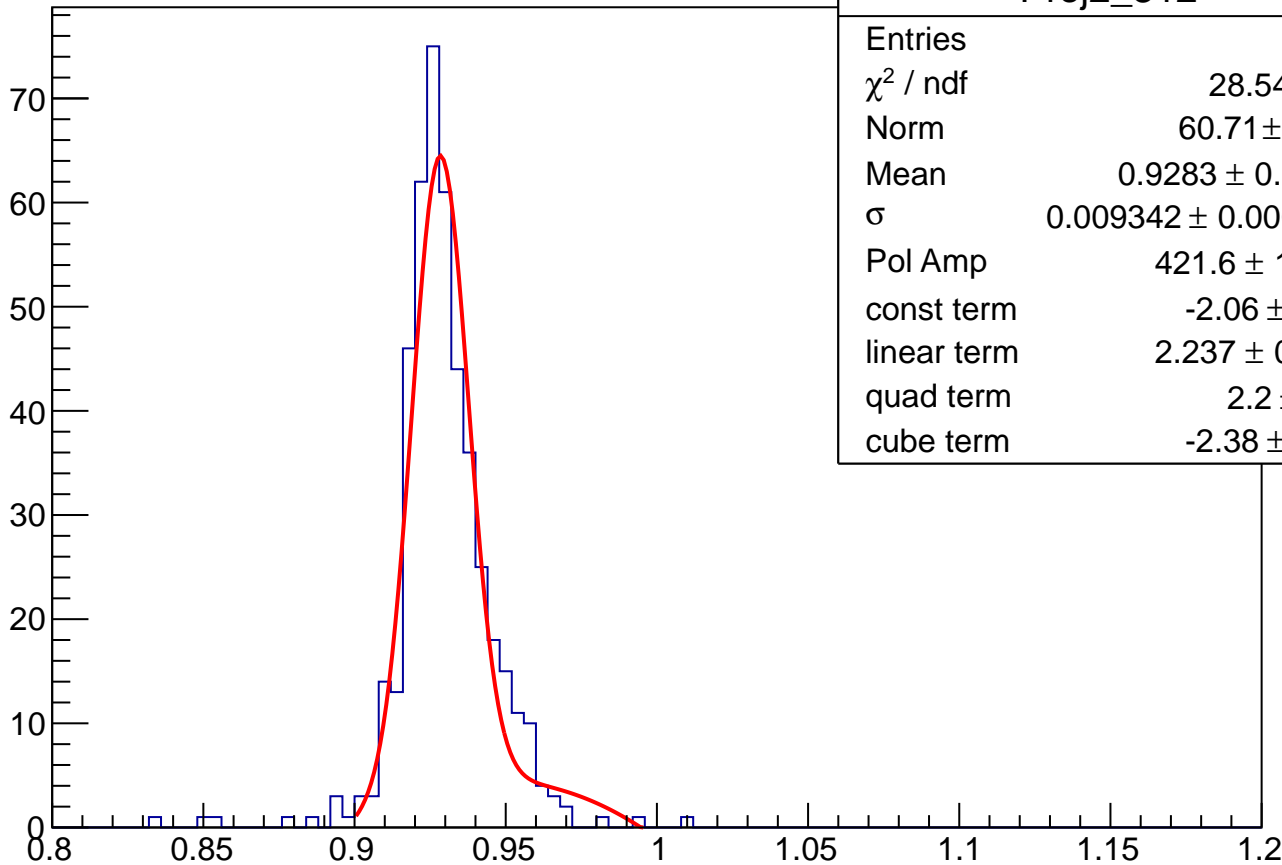
Proj2_310

Entries	848
χ^2 / ndf	35.87 / 14
Norm	112.5 ± 5.6
Mean	0.9282 ± 0.0005
σ	0.01088 ± 0.00045
Pol Amp	370.2 ± 166.8
const term	-2.226 ± 0.016
linear term	2.398 ± 0.017
quad term	2.315 ± 0.017
cube term	-2.487 ± 0.017

PhiThetaMassPim



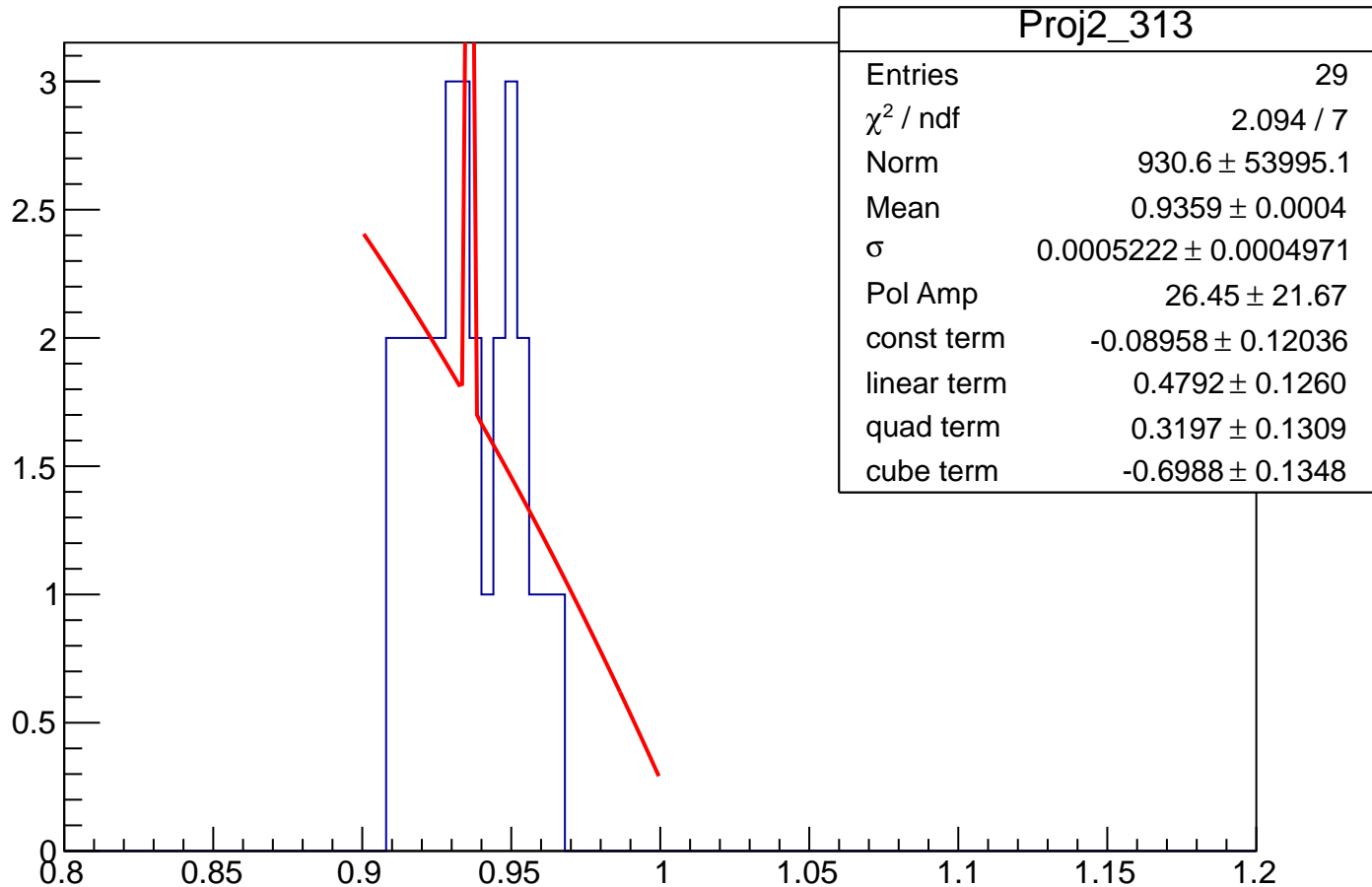
PhiThetaMassPim



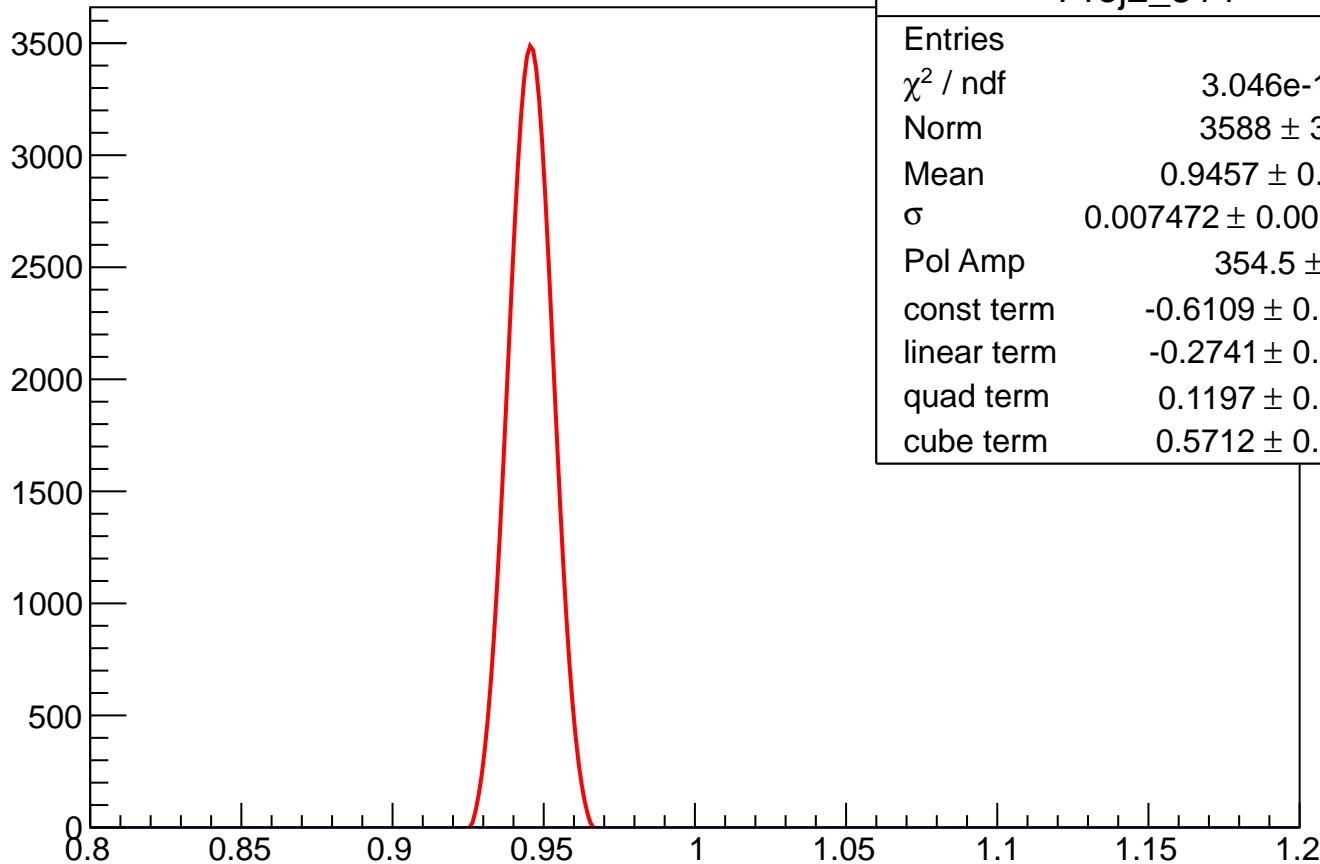
Proj2_312

Entries	457
χ^2 / ndf	28.54 / 12
Norm	60.71 ± 4.72
Mean	0.9283 ± 0.0007
σ	0.009342 ± 0.000697
Pol Amp	421.6 ± 146.0
const term	-2.06 ± 0.01
linear term	2.237 ± 0.014
quad term	2.2 ± 0.0
cube term	-2.38 ± 0.01

PhiThetaMassPim



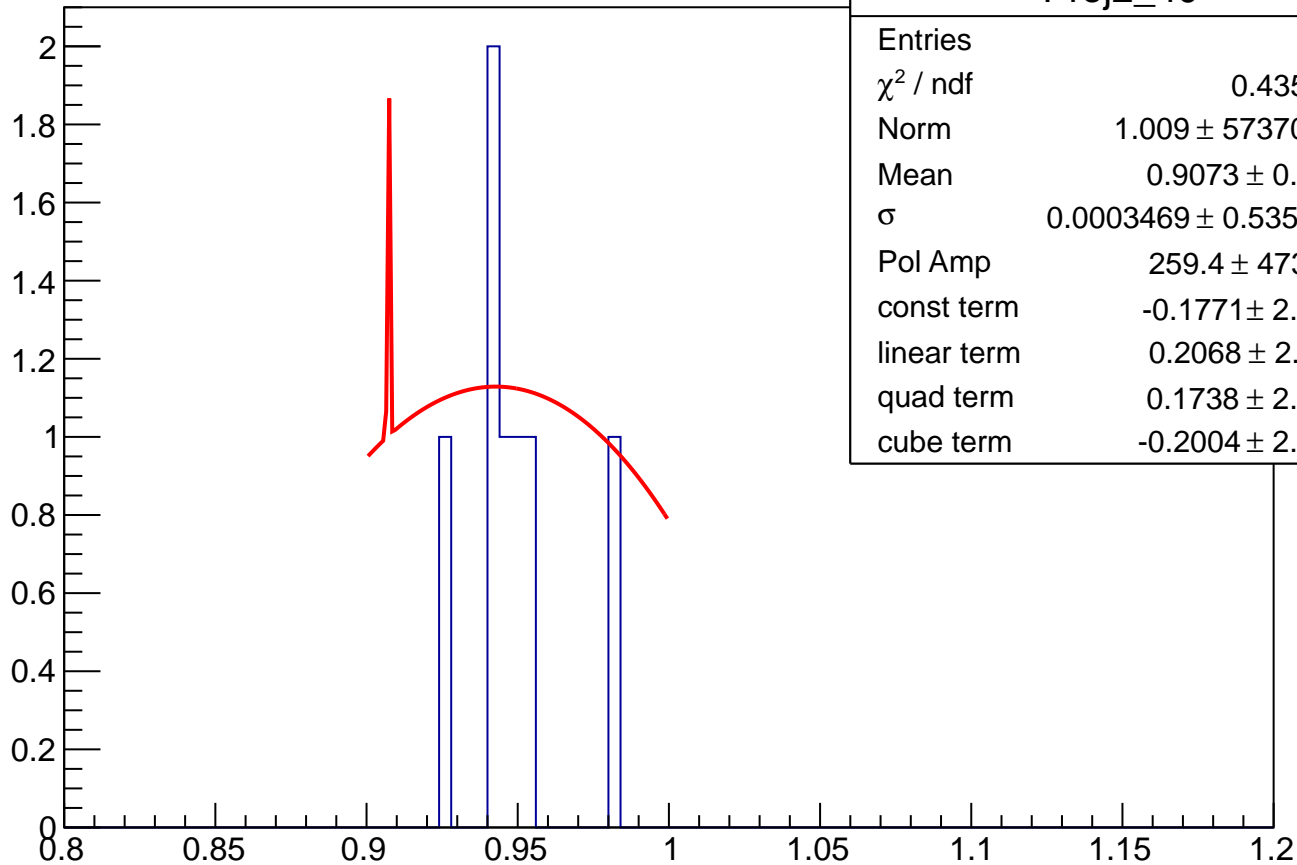
PhiThetaMassPim



Proj2_314

Entries	4
χ^2 / ndf	3.046e-13 / 0
Norm	3588 ± 330.3
Mean	0.9457 ± 0.0001
σ	0.007472 ± 0.000096
Pol Amp	354.5 ± 33.1
const term	-0.6109 ± 0.0254
linear term	-0.2741 ± 0.0267
quad term	0.1197 ± 0.0280
cube term	0.5712 ± 0.0293

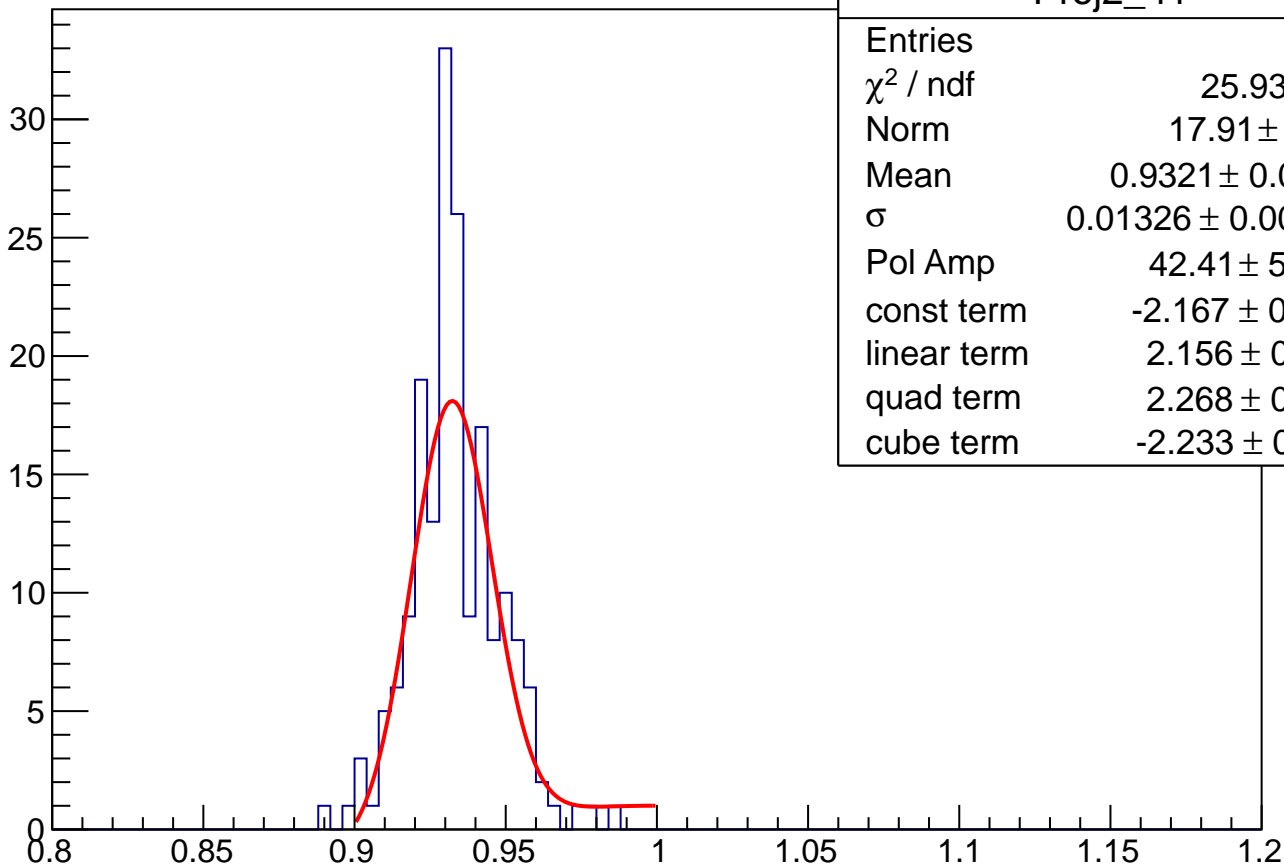
PhiThetaMassPim



Proj2_40

Entries	7
χ^2 / ndf	0.4356 / 0
Norm	1.009 ± 57370.676
Mean	0.9073 ± 0.0209
σ	0.0003469 ± 0.5359184
Pol Amp	259.4 ± 47366.6
const term	-0.1771 ± 2.4425
linear term	0.2068 ± 2.7822
quad term	0.1738 ± 2.6337
cube term	-0.2004 ± 2.7566

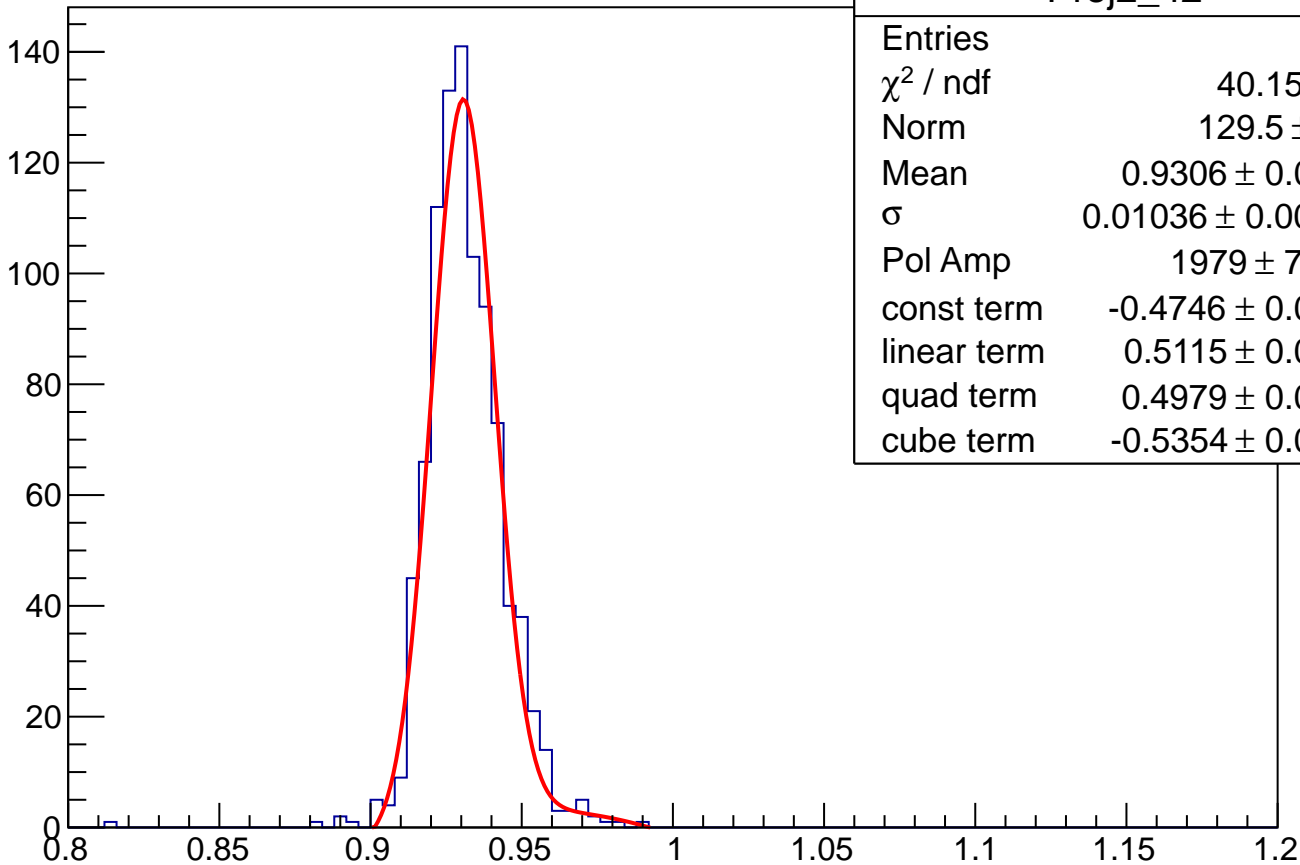
PhiThetaMassPim



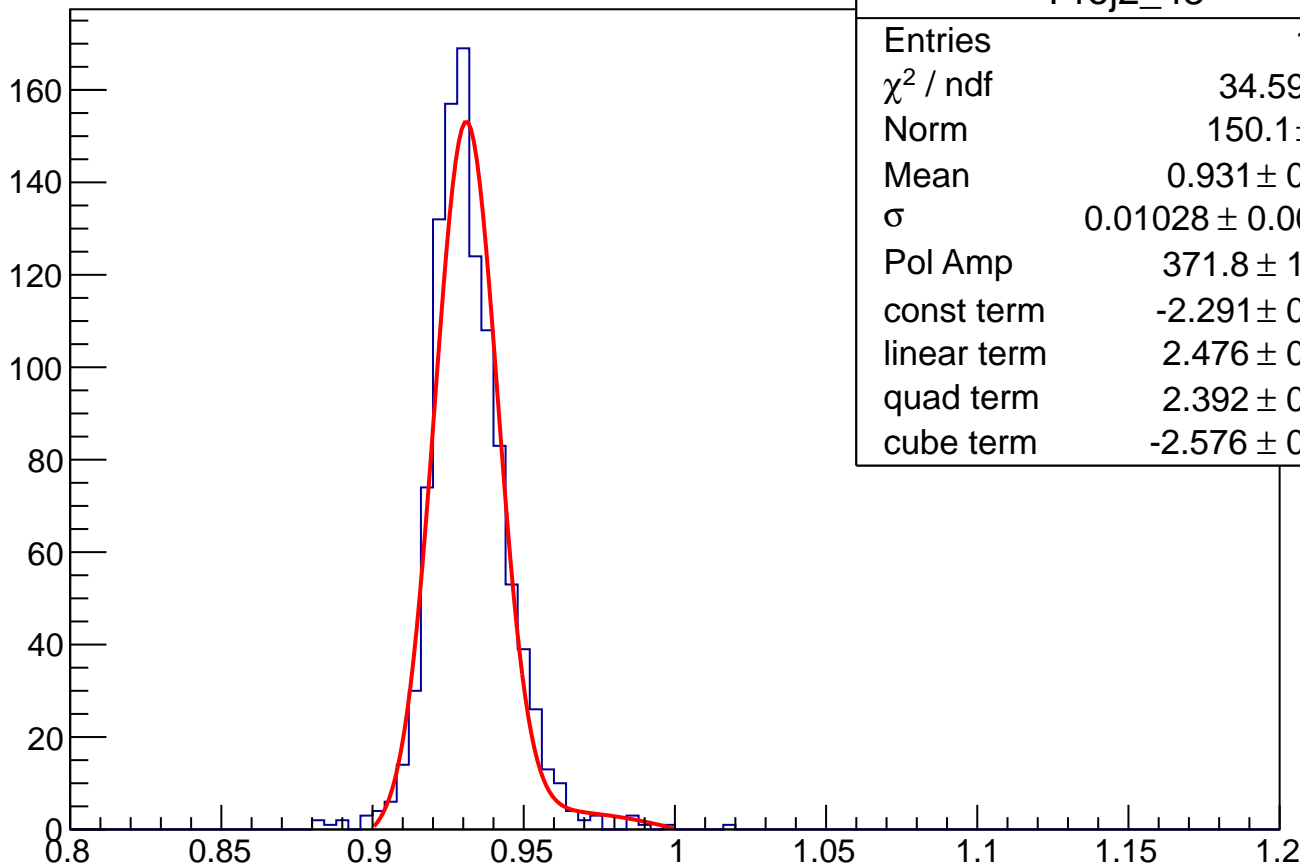
Proj2_41

Entries	181
χ^2 / ndf	25.93 / 12
Norm	17.91 ± 1.98
Mean	0.9321 ± 0.0016
σ	0.01326 ± 0.00176
Pol Amp	42.41 ± 57.83
const term	-2.167 ± 0.104
linear term	2.156 ± 0.110
quad term	2.268 ± 0.116
cube term	-2.233 ± 0.121

PhiThetaMassPim



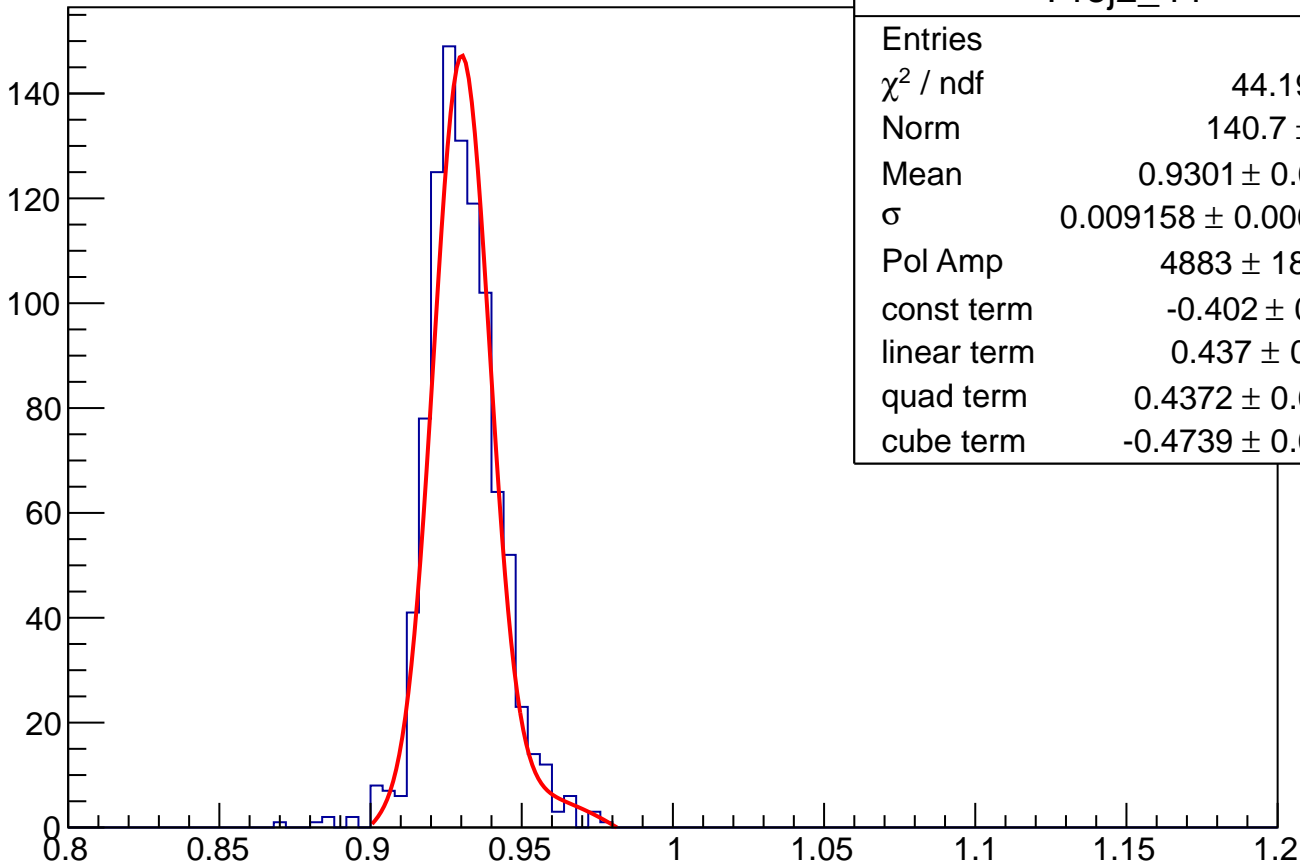
PhiThetaMassPim



Proj2_43

Entries	1065
χ^2 / ndf	34.59 / 14
Norm	150.1 ± 6.4
Mean	0.931 ± 0.000
σ	0.01028 ± 0.00034
Pol Amp	371.8 ± 131.0
const term	-2.291 ± 0.015
linear term	2.476 ± 0.016
quad term	2.392 ± 0.017
cube term	-2.576 ± 0.016

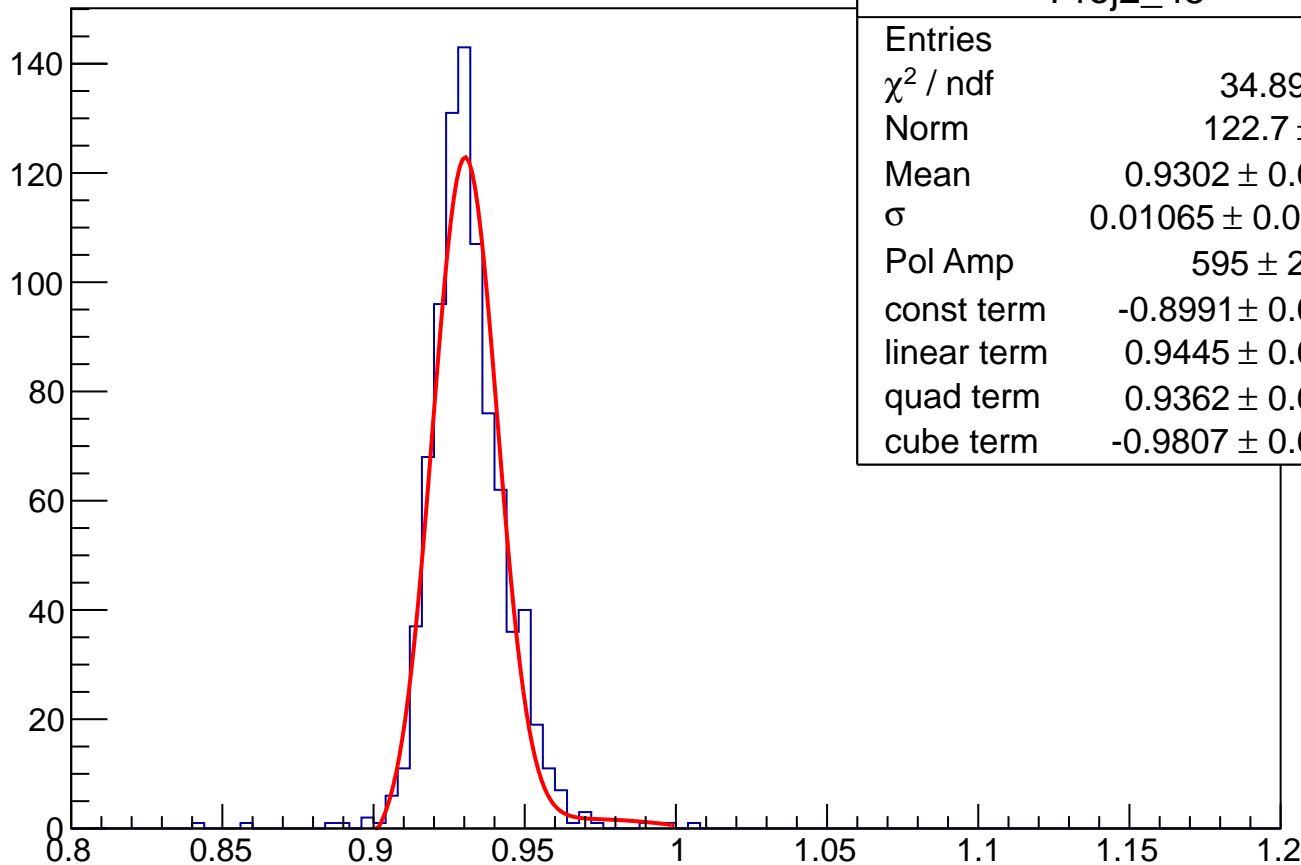
PhiThetaMassPim



Proj2_44

Entries	950
χ^2 / ndf	44.19 / 11
Norm	140.7 ± 6.4
Mean	0.9301 ± 0.0004
σ	0.009158 ± 0.000338
Pol Amp	4883 ± 1871.9
const term	-0.402 ± 0.001
linear term	0.437 ± 0.002
quad term	0.4372 ± 0.0017
cube term	-0.4739 ± 0.0016

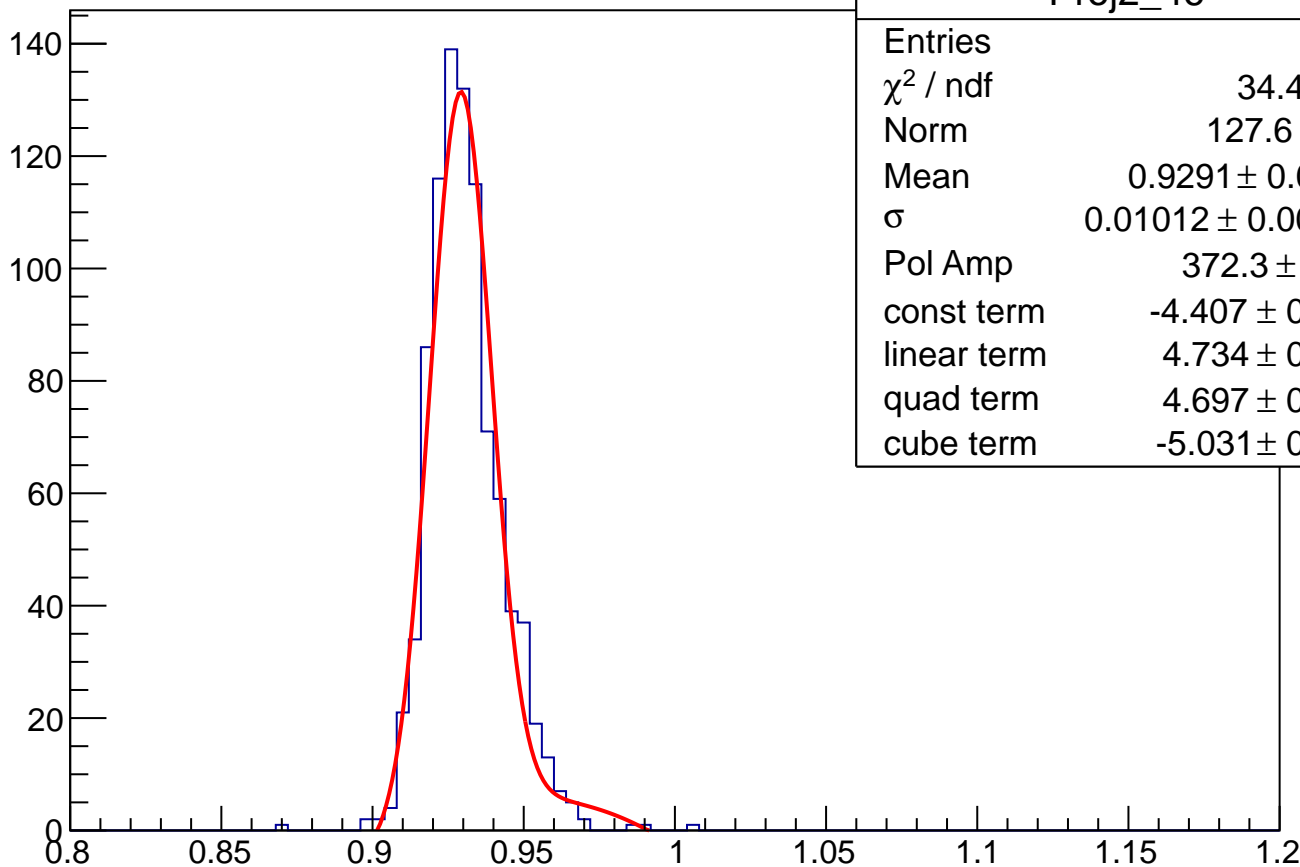
PhiThetaMassPim



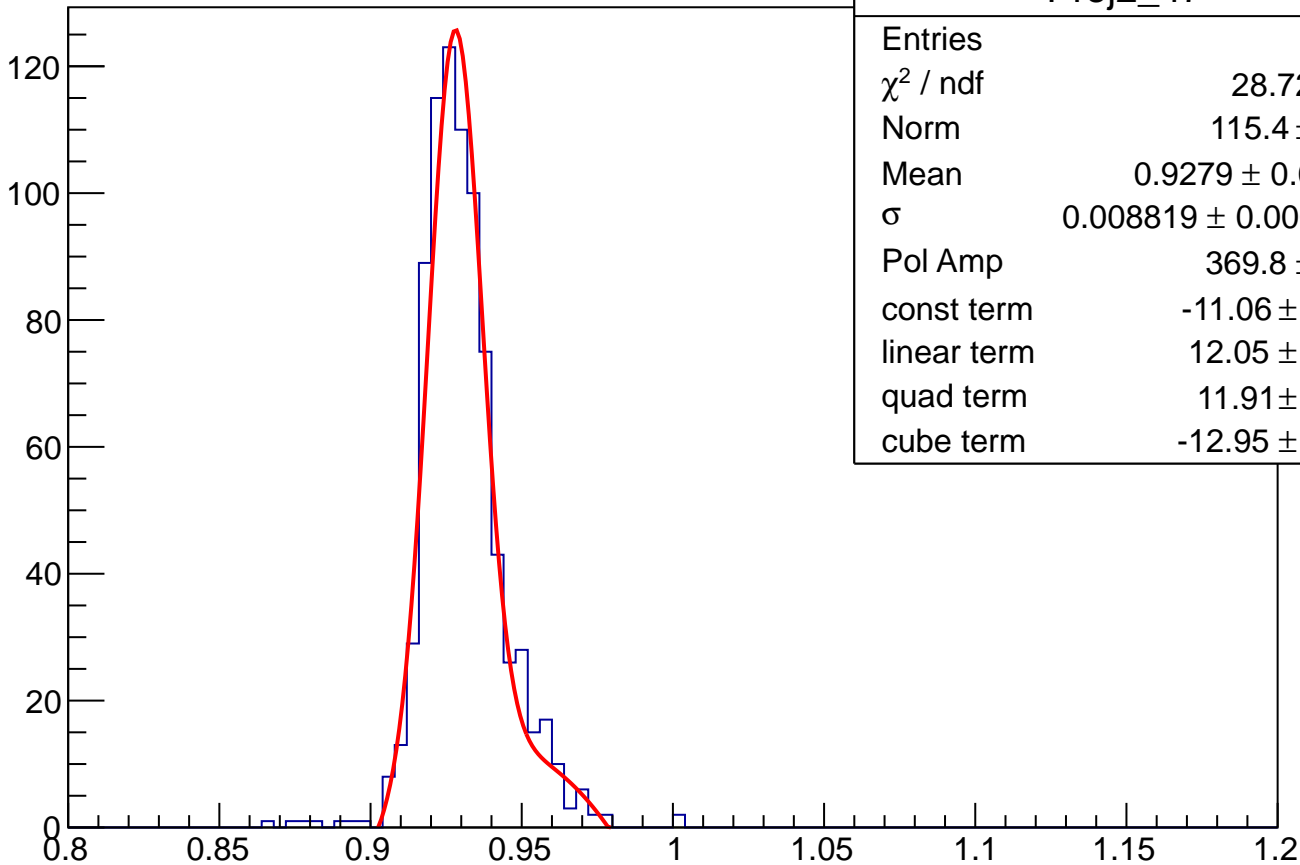
Proj2_45

Entries	866
χ^2 / ndf	34.89 / 14
Norm	122.7 ± 5.7
Mean	0.9302 ± 0.0004
σ	0.01065 ± 0.00041
Pol Amp	595 ± 204.8
const term	-0.8991 ± 0.0077
linear term	0.9445 ± 0.0084
quad term	0.9362 ± 0.0087
cube term	-0.9807 ± 0.0084

PhiThetaMassPim



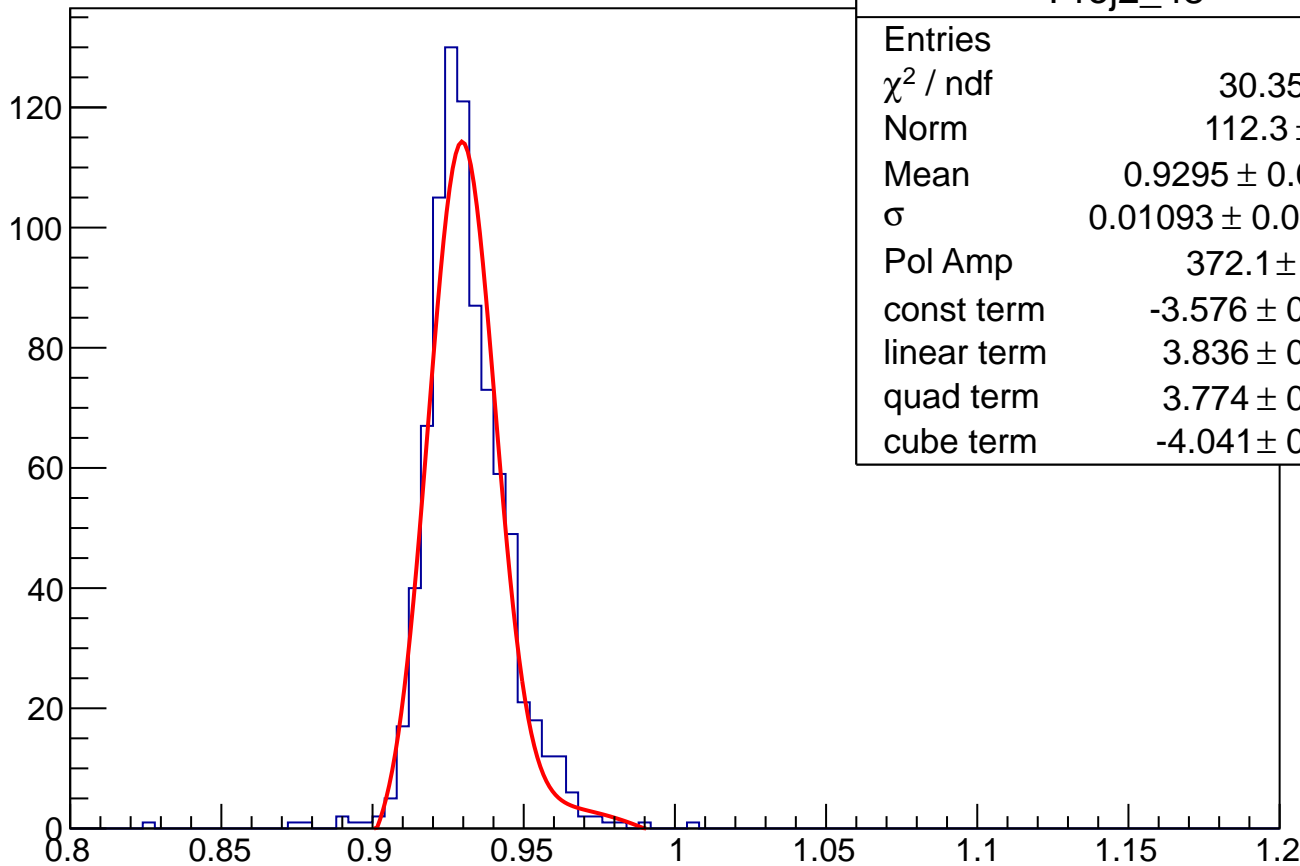
PhiThetaMassPim



Proj2_47

Entries	823
χ^2 / ndf	28.72 / 11
Norm	115.4 ± 6.3
Mean	0.9279 ± 0.0005
σ	0.008819 ± 0.000552
Pol Amp	369.8 ± 1.3
const term	-11.06 ± 2.50
linear term	12.05 ± 2.72
quad term	11.91 ± 2.69
cube term	-12.95 ± 2.92

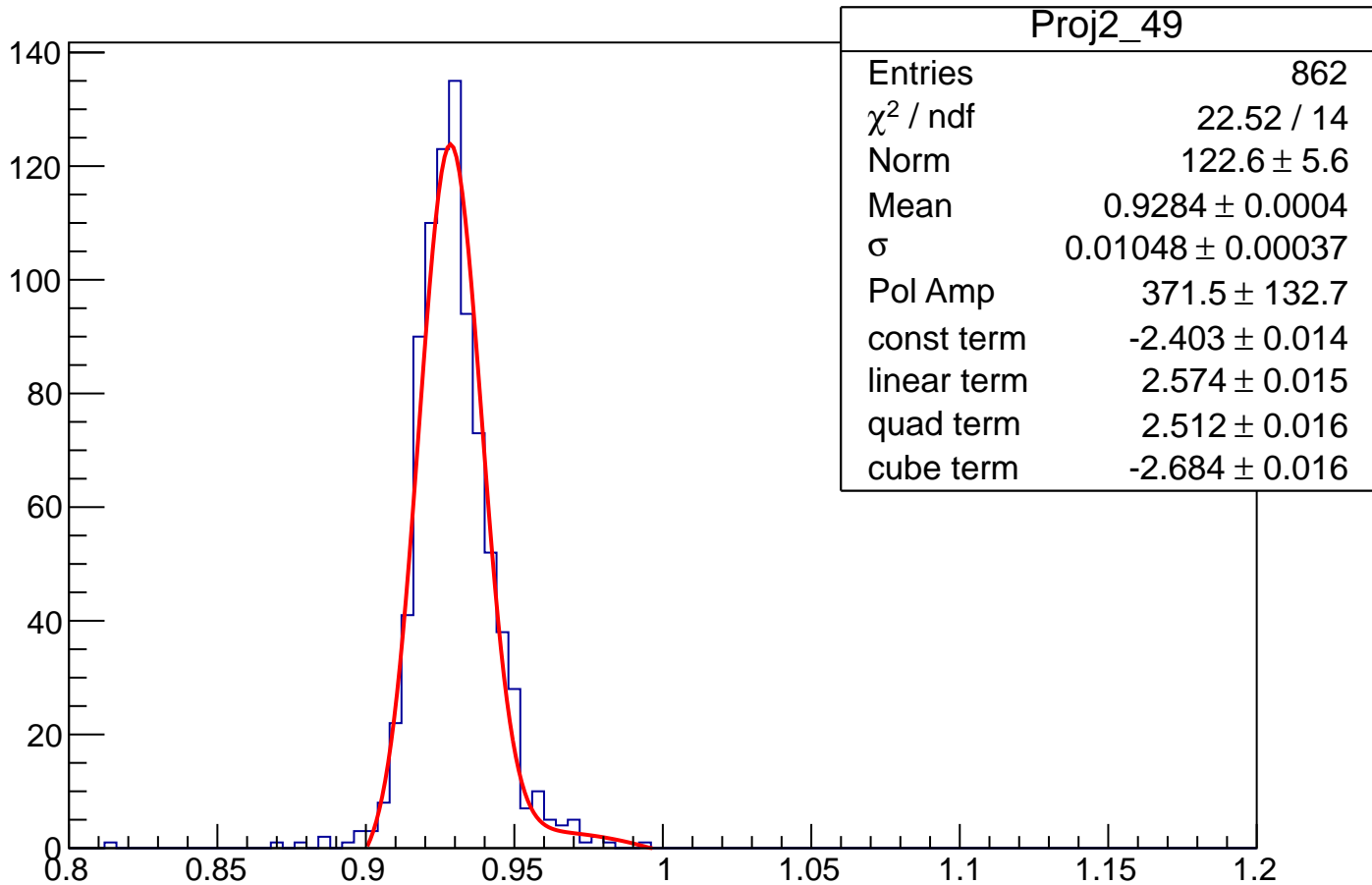
PhiThetaMassPim



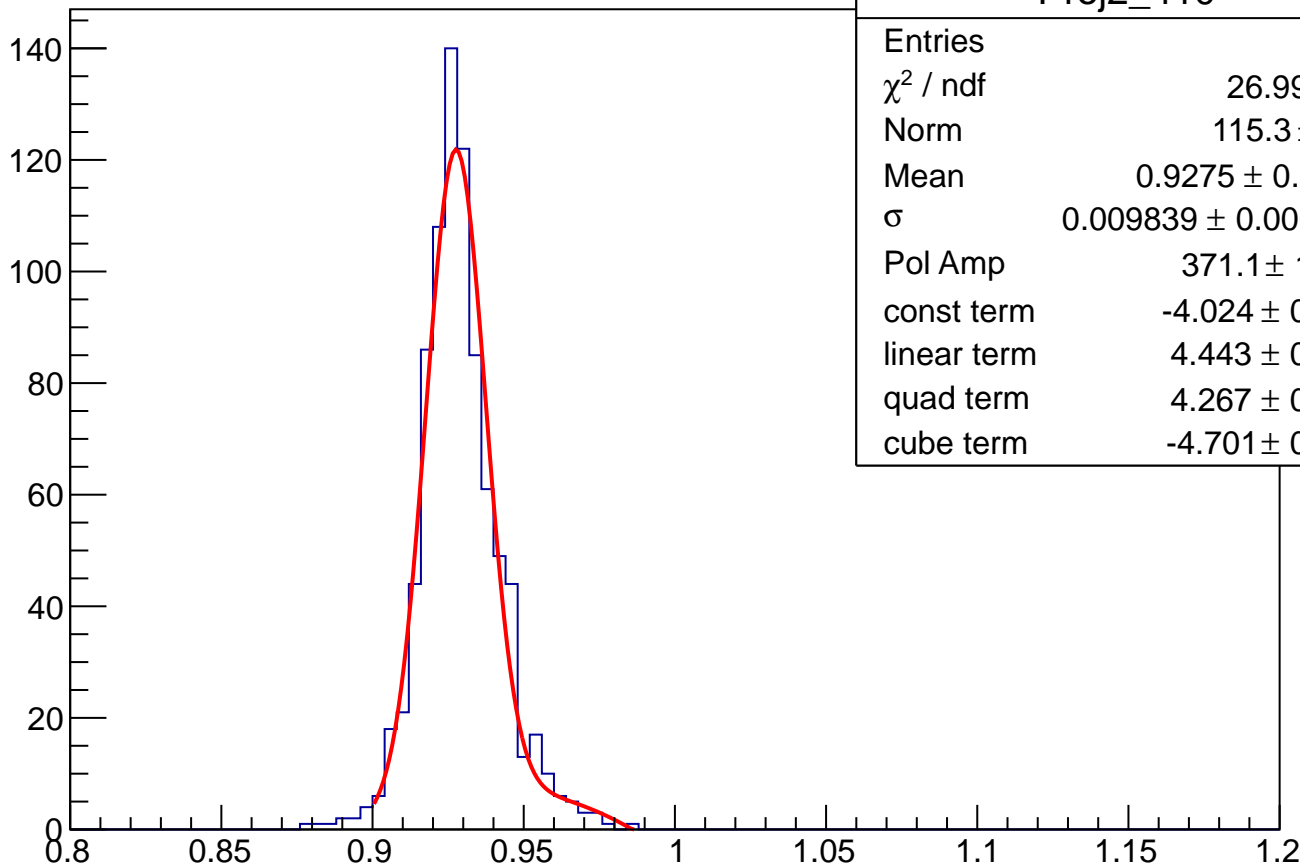
Proj2_48

Entries	839
χ^2 / ndf	30.35 / 14
Norm	112.3 ± 5.4
Mean	0.9295 ± 0.0005
σ	0.01093 ± 0.00041
Pol Amp	372.1 ± 99.2
const term	-3.576 ± 0.014
linear term	3.836 ± 0.015
quad term	3.774 ± 0.016
cube term	-4.041 ± 0.016

PhiThetaMassPim



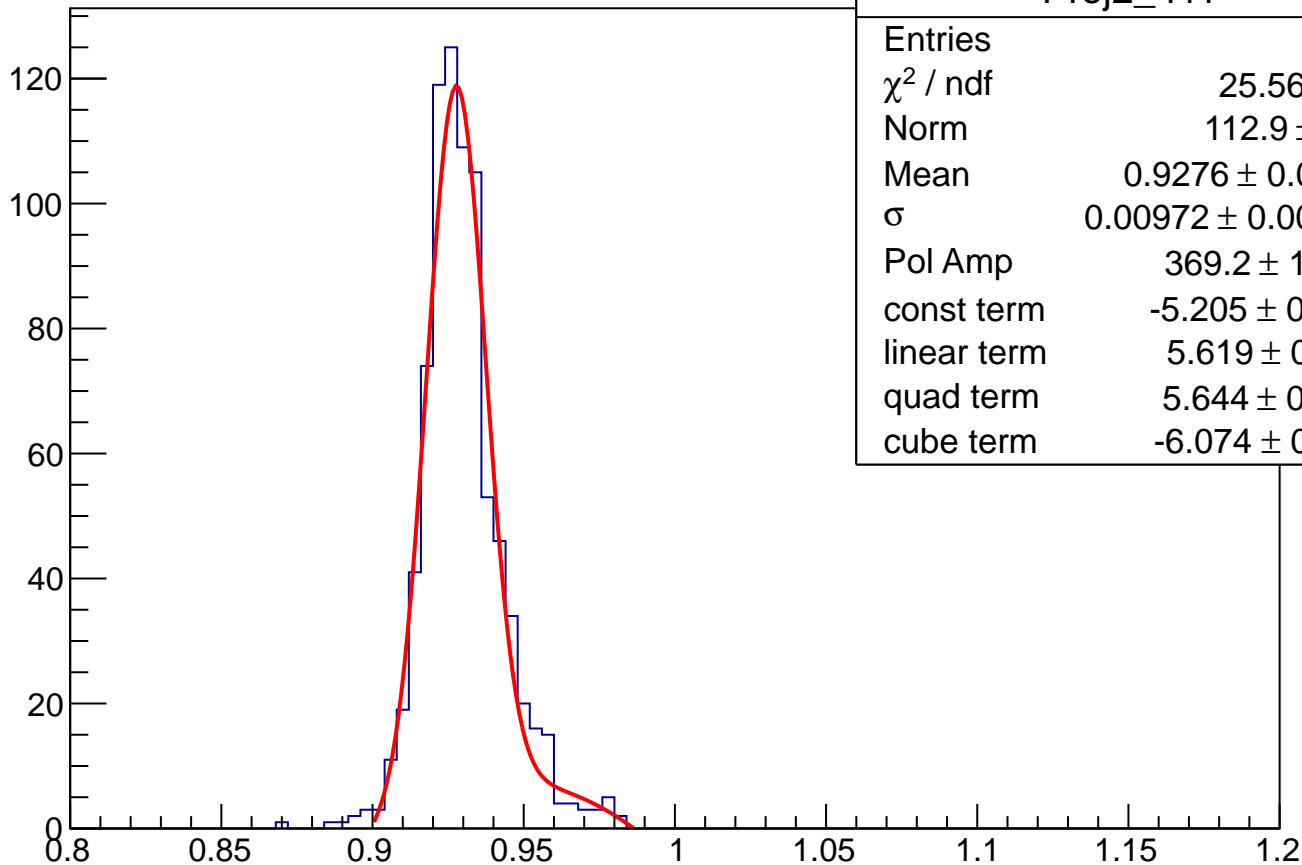
PhiThetaMassPim



Proj2_410

Entries	854
χ^2 / ndf	26.99 / 13
Norm	115.3 ± 6.0
Mean	0.9275 ± 0.0005
σ	0.009839 ± 0.000458
Pol Amp	371.1 ± 110.3
const term	-4.024 ± 0.017
linear term	4.443 ± 0.018
quad term	4.267 ± 0.018
cube term	-4.701 ± 0.018

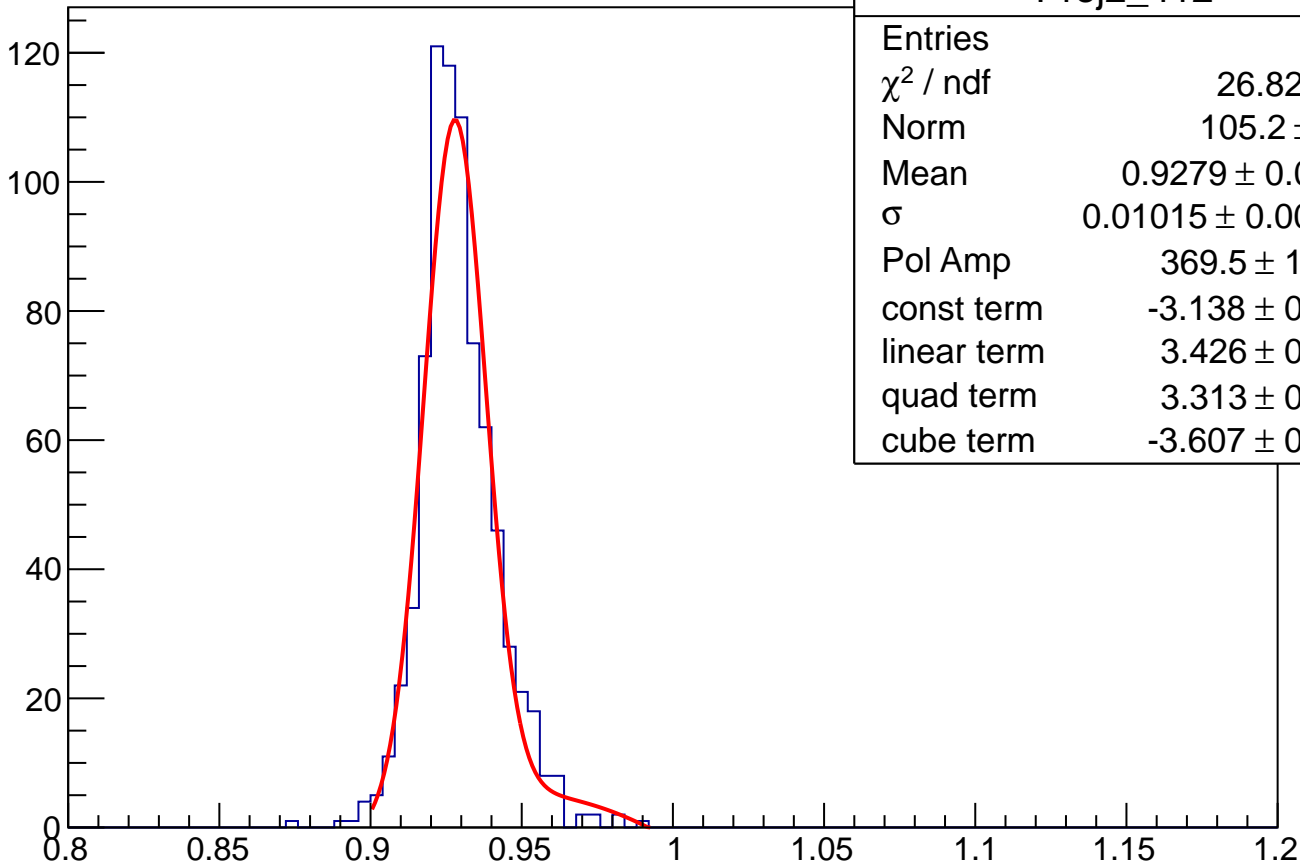
PhiThetaMassPim



Proj2_411

Entries	819
χ^2 / ndf	25.56 / 13
Norm	112.9 ± 6.0
Mean	0.9276 ± 0.0005
σ	0.00972 ± 0.00045
Pol Amp	369.2 ± 110.3
const term	-5.205 ± 0.019
linear term	5.619 ± 0.021
quad term	5.644 ± 0.022
cube term	-6.074 ± 0.021

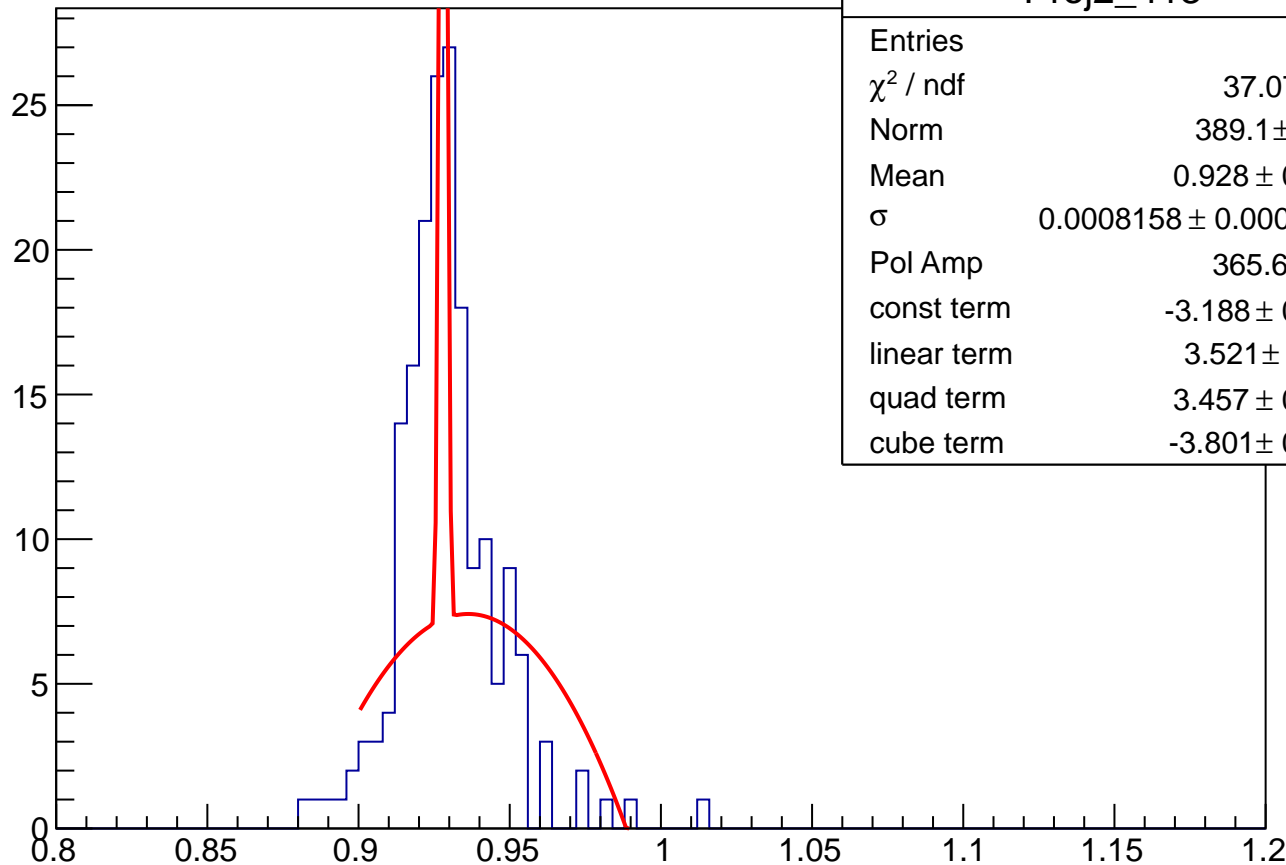
PhiThetaMassPim



Proj2_412

Entries	774
χ^2 / ndf	26.82 / 12
Norm	105.2 ± 5.7
Mean	0.9279 ± 0.0005
σ	0.01015 ± 0.00049
Pol Amp	369.5 ± 129.7
const term	-3.138 ± 0.017
linear term	3.426 ± 0.019
quad term	3.313 ± 0.019
cube term	-3.607 ± 0.019

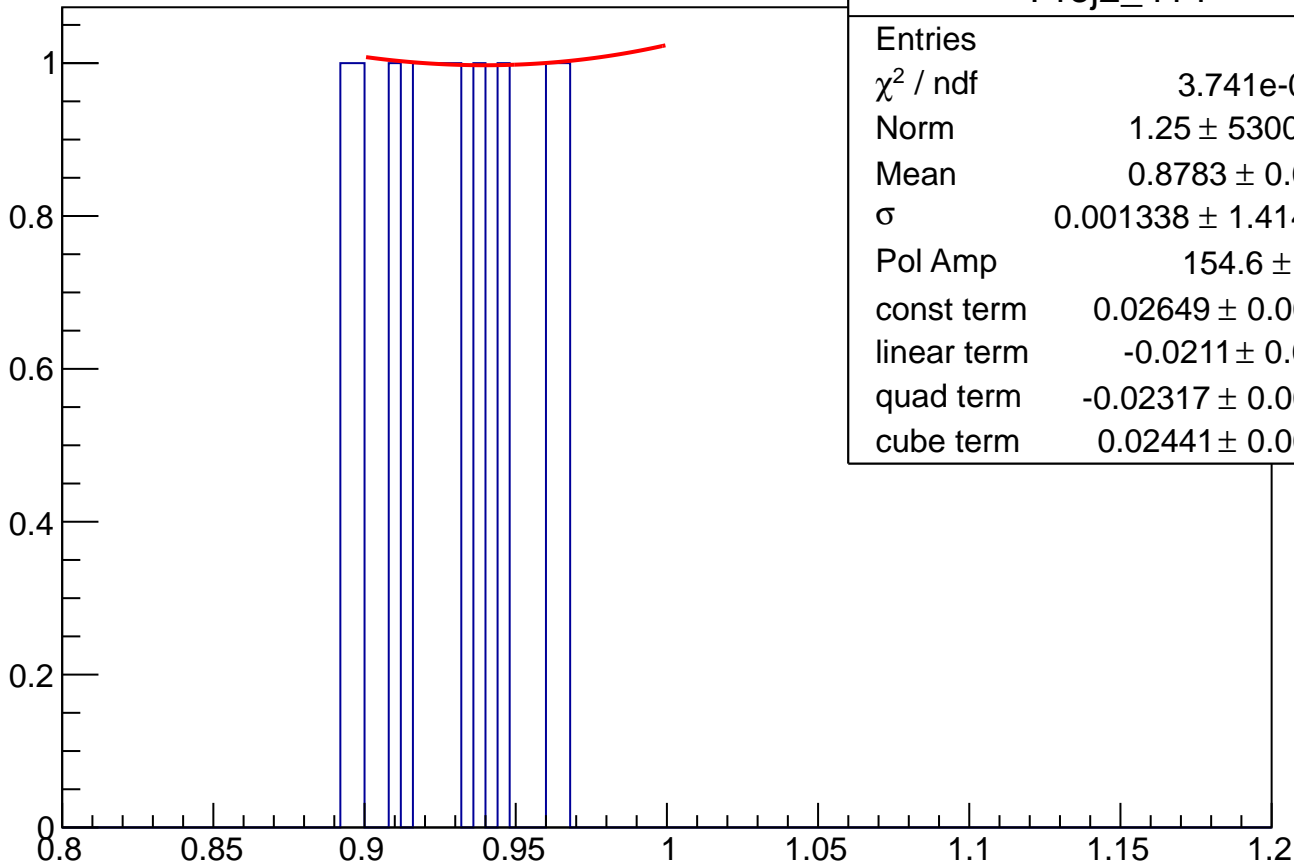
PhiThetaMassPim



Proj2_413

Entries	185
χ^2 / ndf	37.07 / 10
Norm	389.1 ± 17.6
Mean	0.928 ± 0.000
σ	0.0008158 ± 0.0000209
Pol Amp	365.6 ± 0.1
const term	-3.188 ± 0.845
linear term	3.521 ± 0.911
quad term	3.457 ± 0.904
cube term	-3.801 ± 0.974

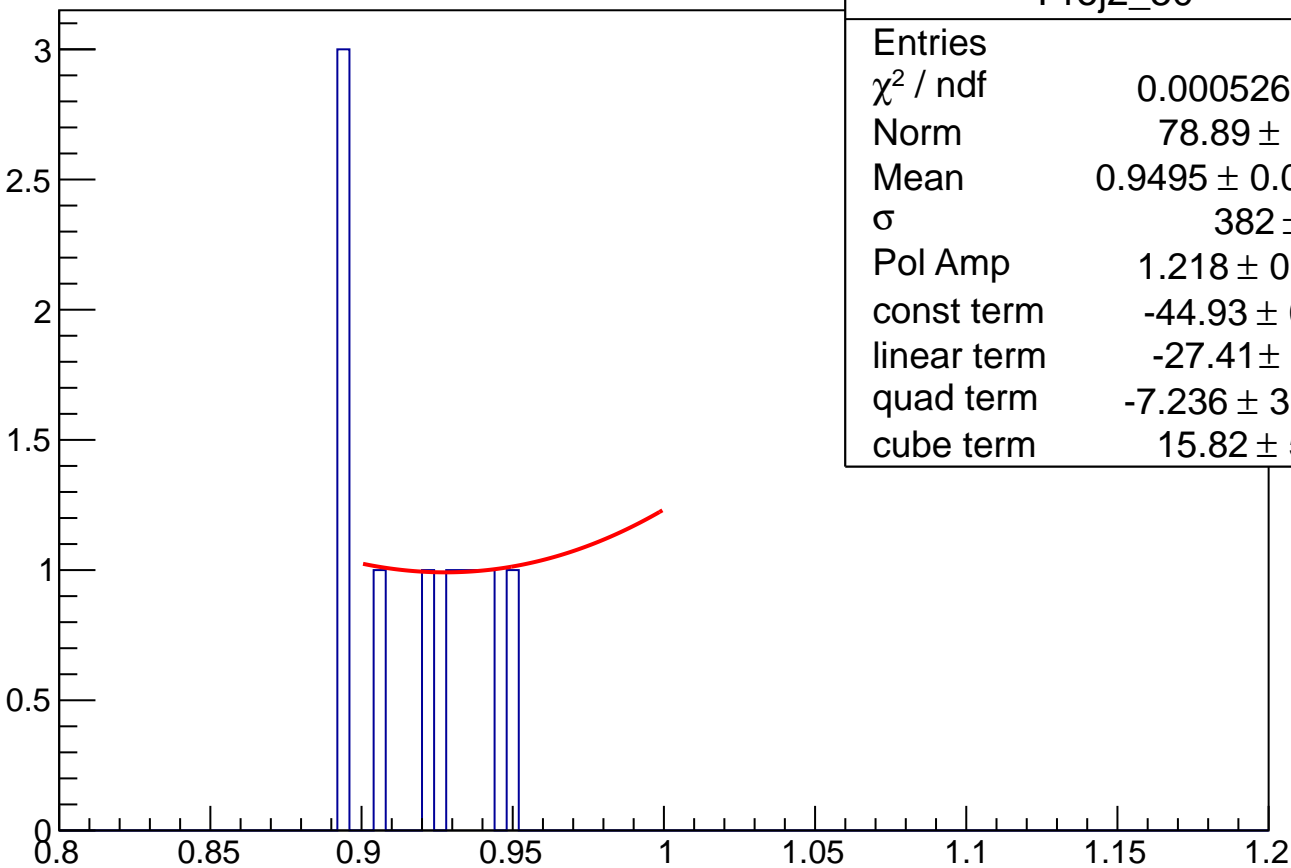
PhiThetaMassPim



Proj2_414

Entries	11
χ^2 / ndf	3.741e-05 / 1
Norm	1.25 ± 53000.27
Mean	0.8783 ± 0.0730
σ	0.001338 ± 1.414214
Pol Amp	154.6 ± 51.6
const term	0.02649 ± 0.00216
linear term	-0.0211 ± 0.0023
quad term	-0.02317 ± 0.00246
cube term	0.02441 ± 0.00263

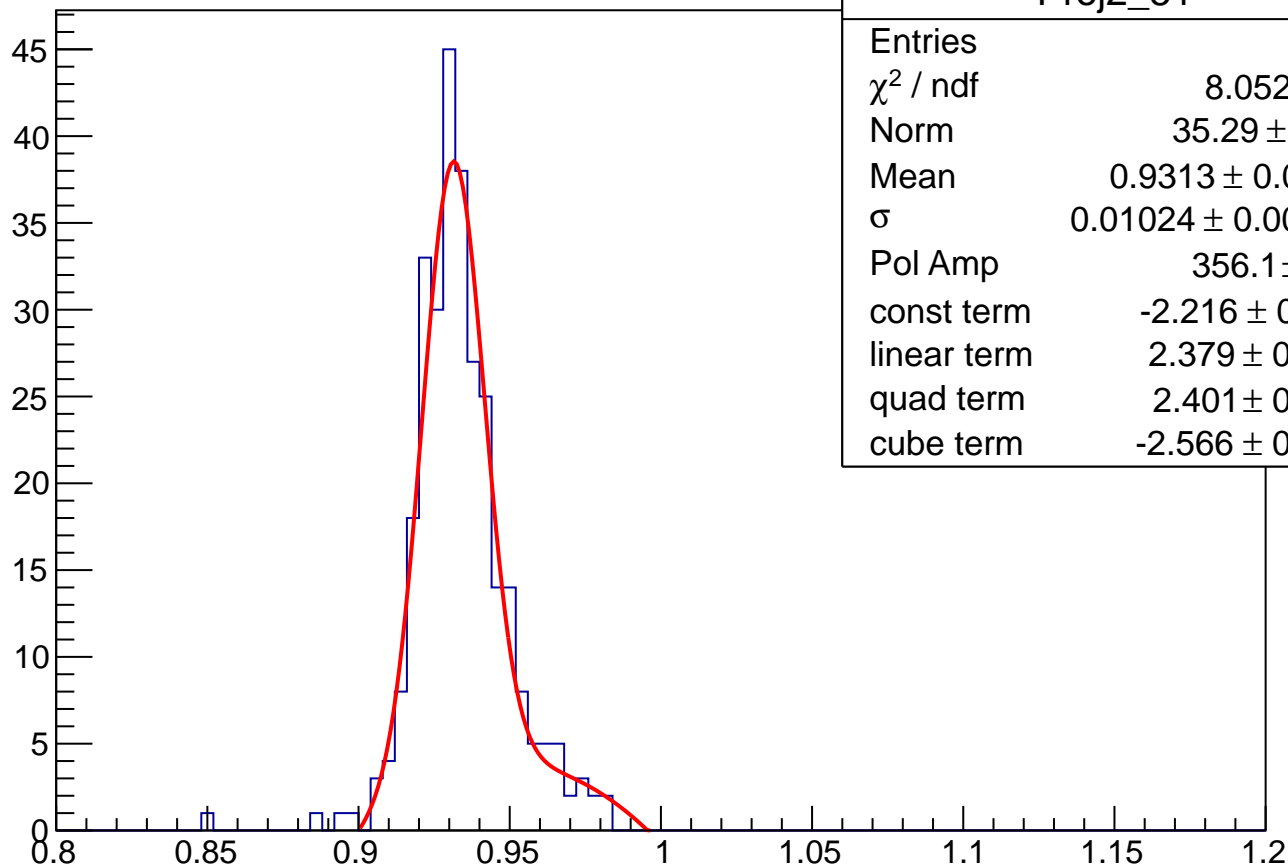
PhiThetaMassPim



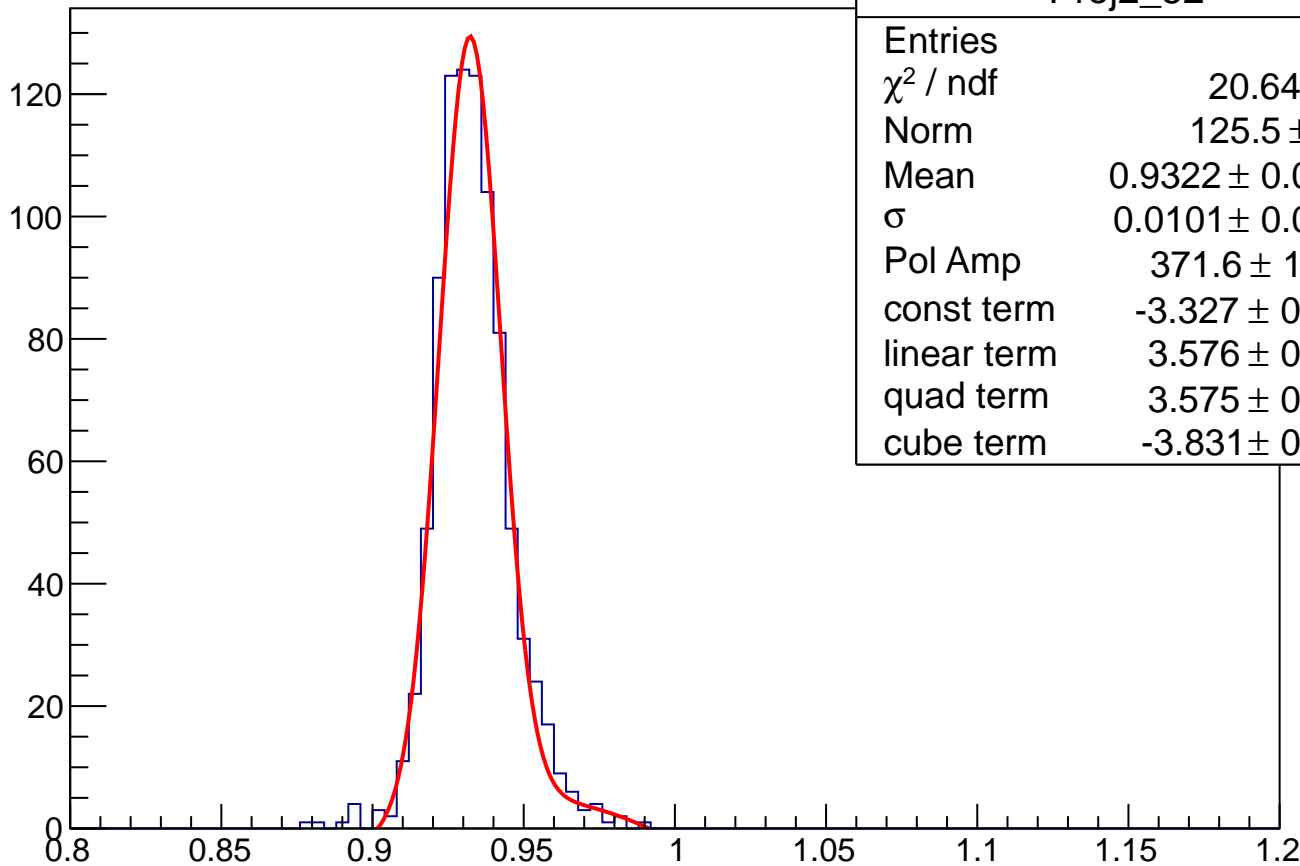
Proj2_50

Entries	10
χ^2 / ndf	0.0005267 / 0
Norm	78.89 ± 6.20
Mean	0.9495 ± 0.0723
σ	382 ± 9.1
Pol Amp	1.218 ± 0.074
const term	-44.93 ± 0.28
linear term	-27.41 ± 1.52
quad term	-7.236 ± 3.566
cube term	15.82 ± 5.88

PhiThetaMassPim



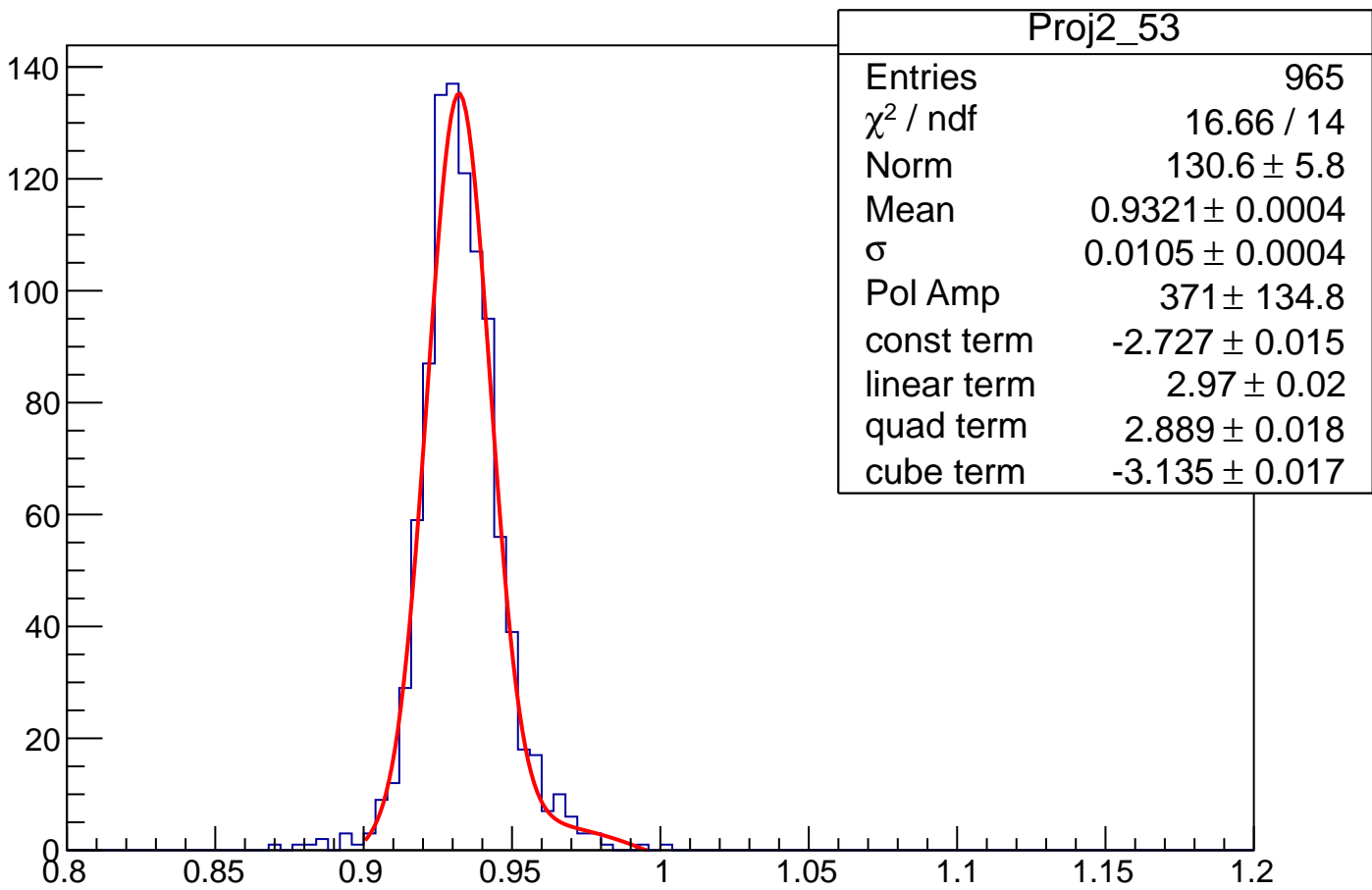
PhiThetaMassPim



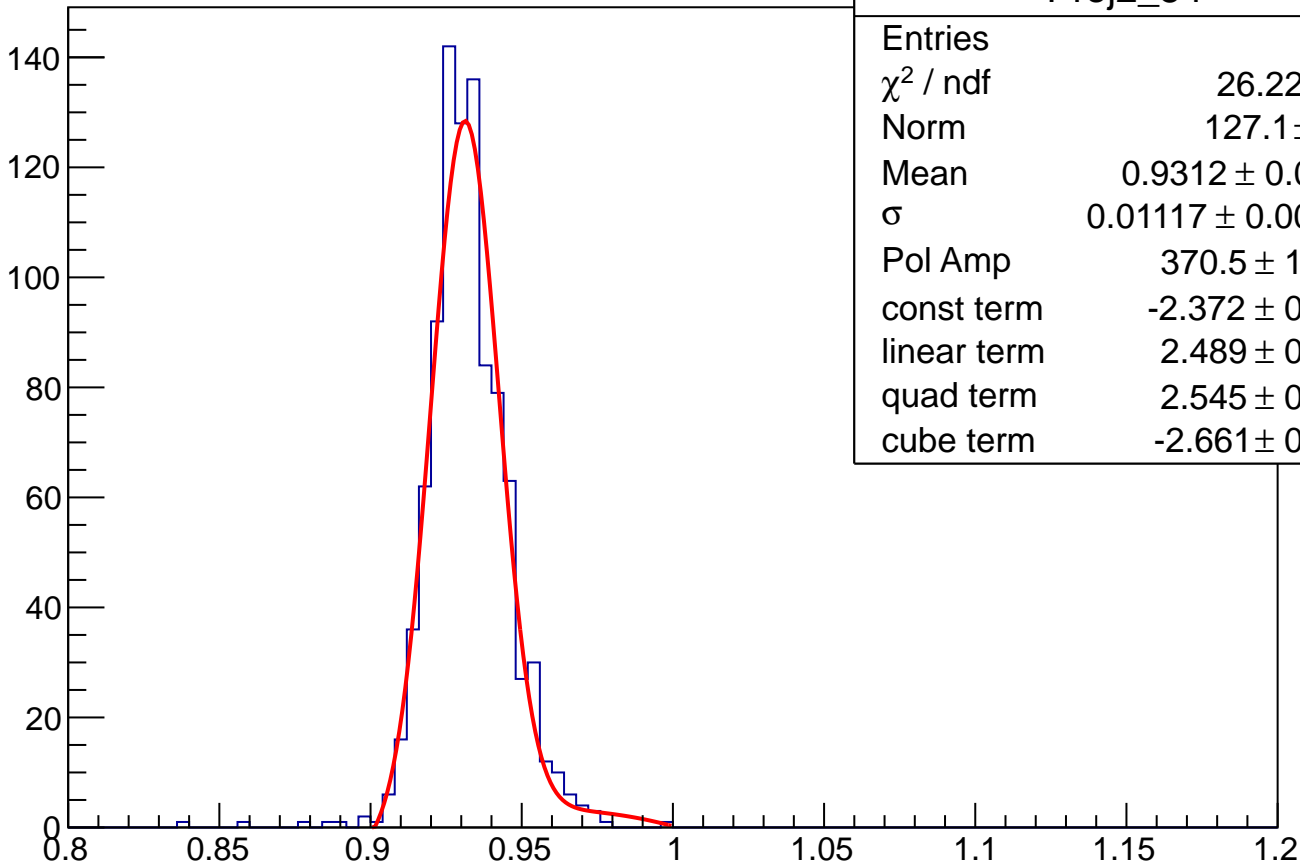
Proj2_52

Entries	886
χ^2 / ndf	20.64 / 14
Norm	125.5 ± 5.9
Mean	0.9322 ± 0.0004
σ	0.0101 ± 0.0004
Pol Amp	371.6 ± 117.5
const term	-3.327 ± 0.014
linear term	3.576 ± 0.016
quad term	3.575 ± 0.017
cube term	-3.831 ± 0.016

PhiThetaMassPim



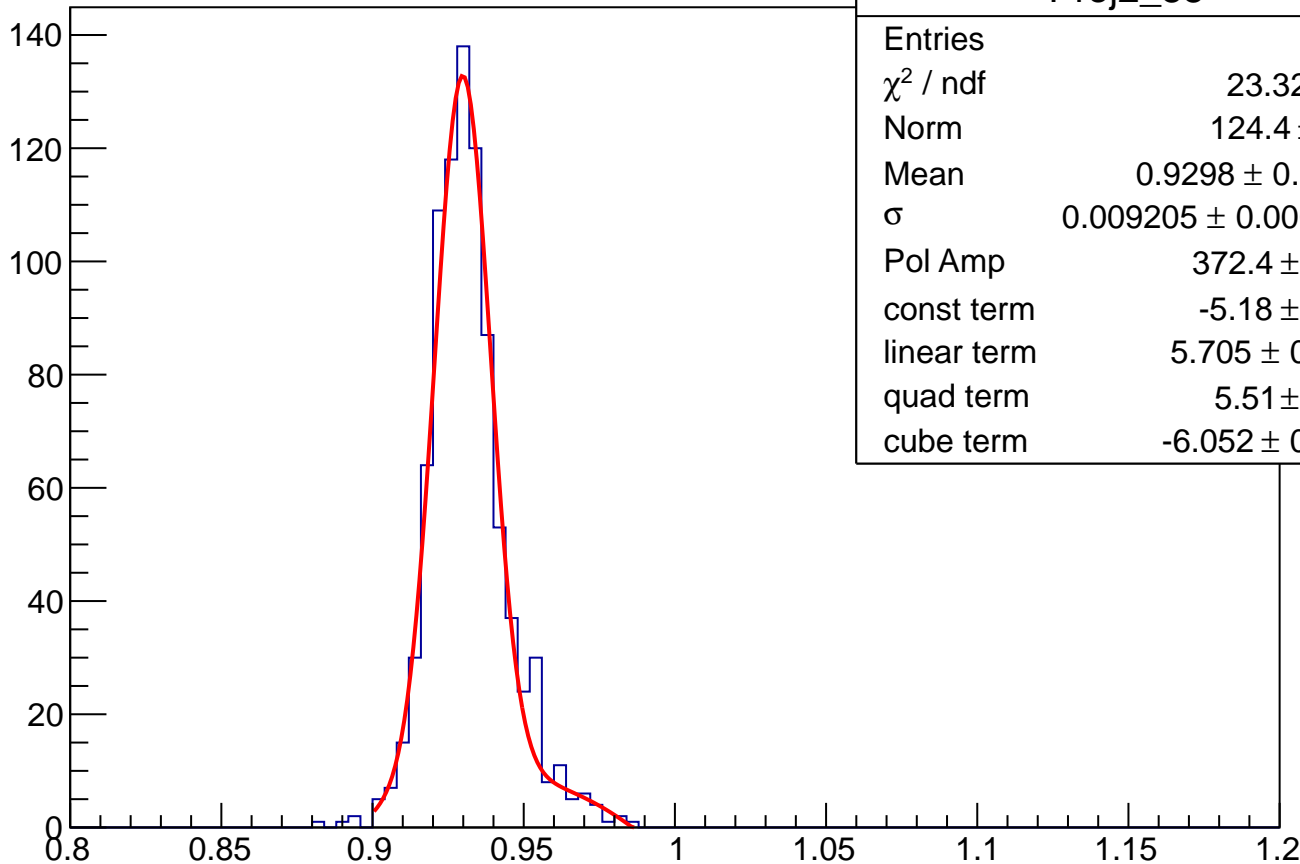
PhiThetaMassPim



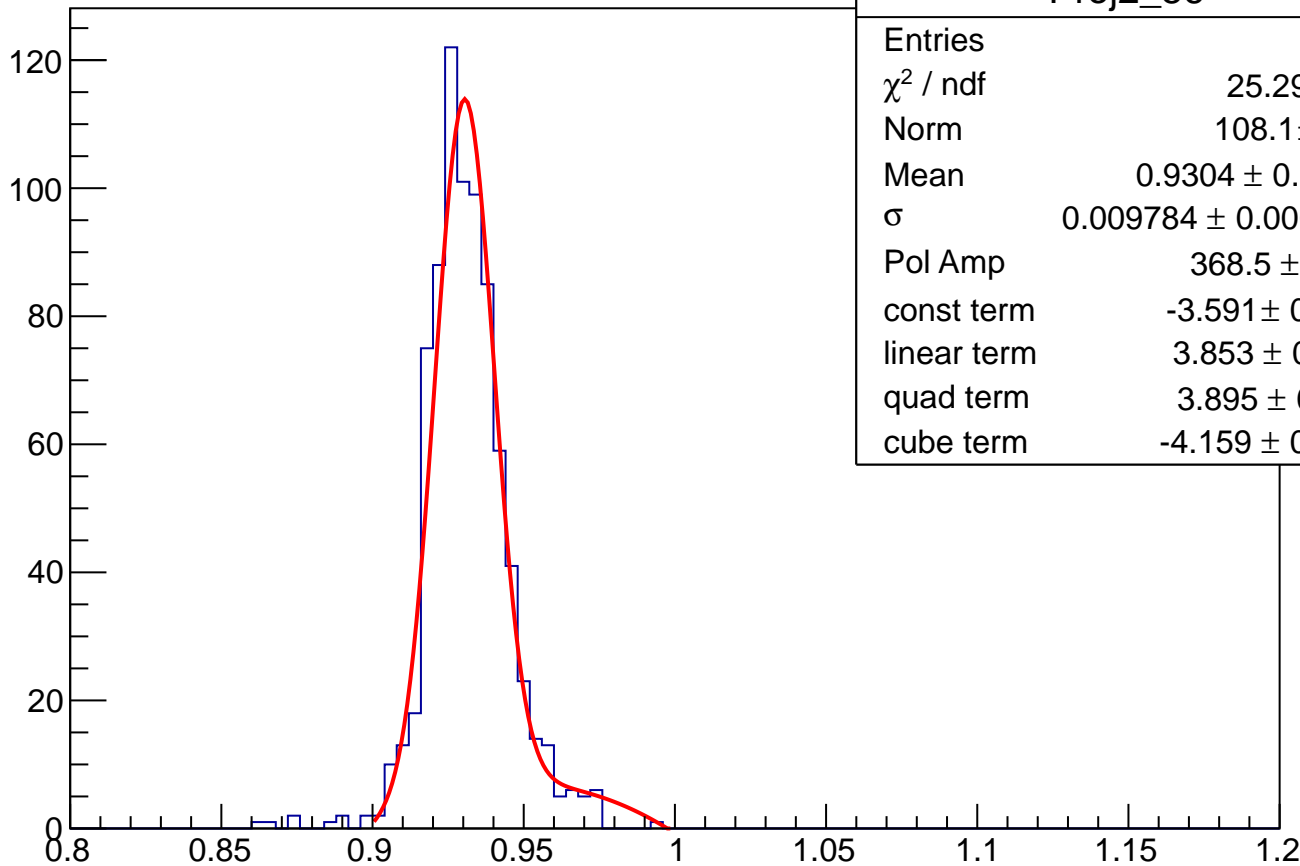
Proj2_54

Entries	946
χ^2 / ndf	26.22 / 13
Norm	127.1 ± 5.6
Mean	0.9312 ± 0.0004
σ	0.01117 ± 0.00040
Pol Amp	370.5 ± 100.6
const term	-2.372 ± 0.015
linear term	2.489 ± 0.017
quad term	2.545 ± 0.018
cube term	-2.661 ± 0.017

PhiThetaMassPim



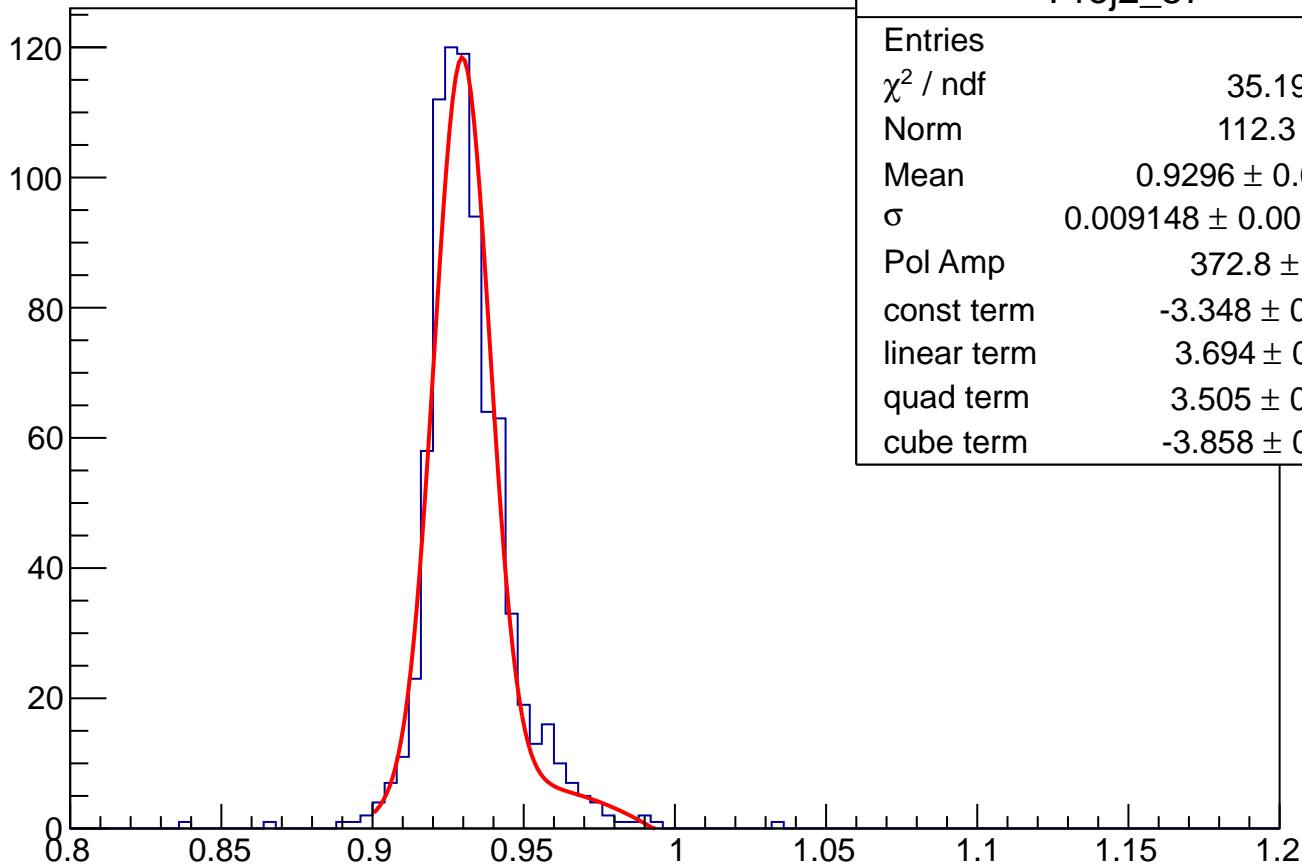
PhiThetaMassPim



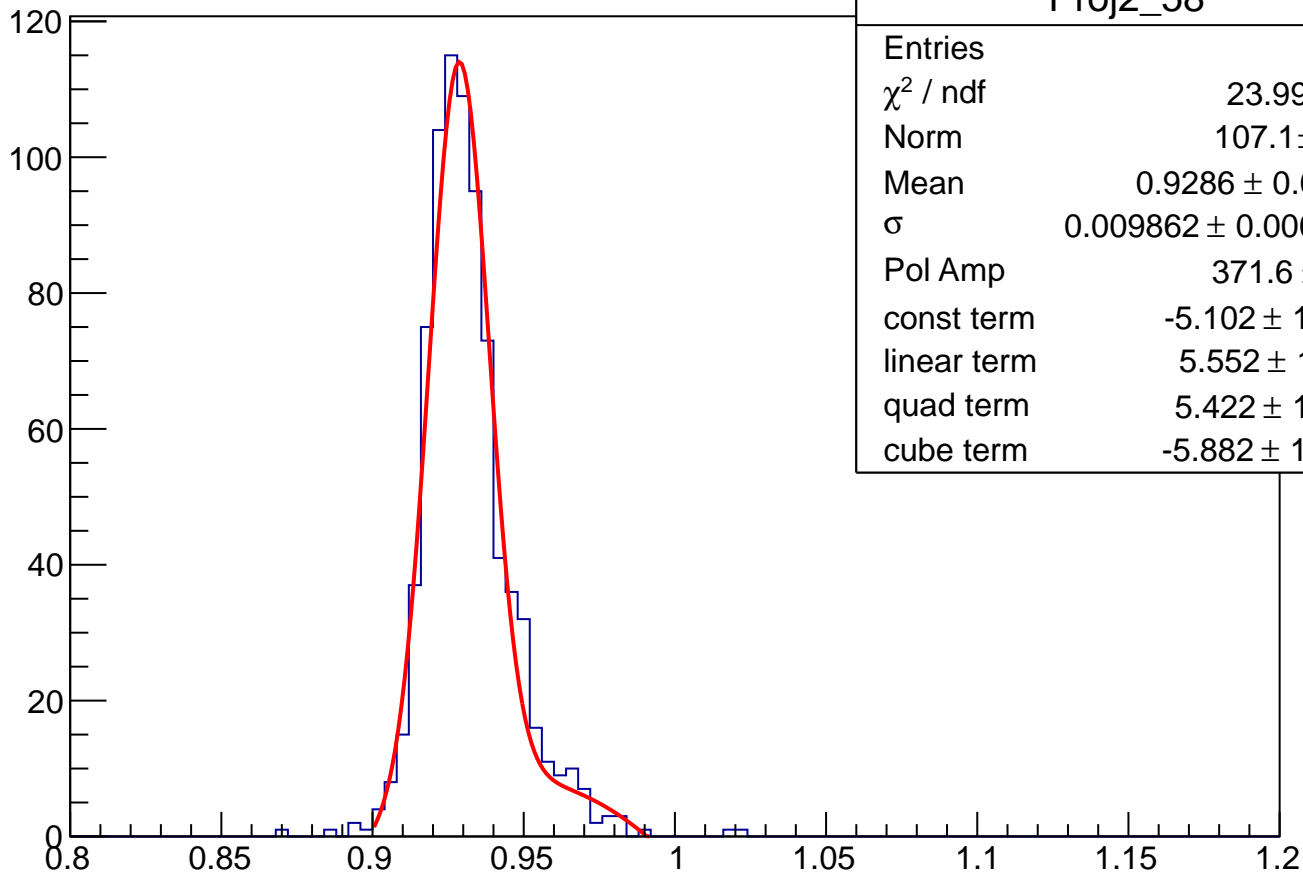
Proj2_56

Entries	795
χ^2 / ndf	25.29 / 12
Norm	108.1 ± 5.5
Mean	0.9304 ± 0.0005
σ	0.009784 ± 0.000414
Pol Amp	368.5 ± 97.5
const term	-3.591 ± 0.017
linear term	3.853 ± 0.020
quad term	3.895 ± 0.021
cube term	-4.159 ± 0.019

PhiThetaMassPim



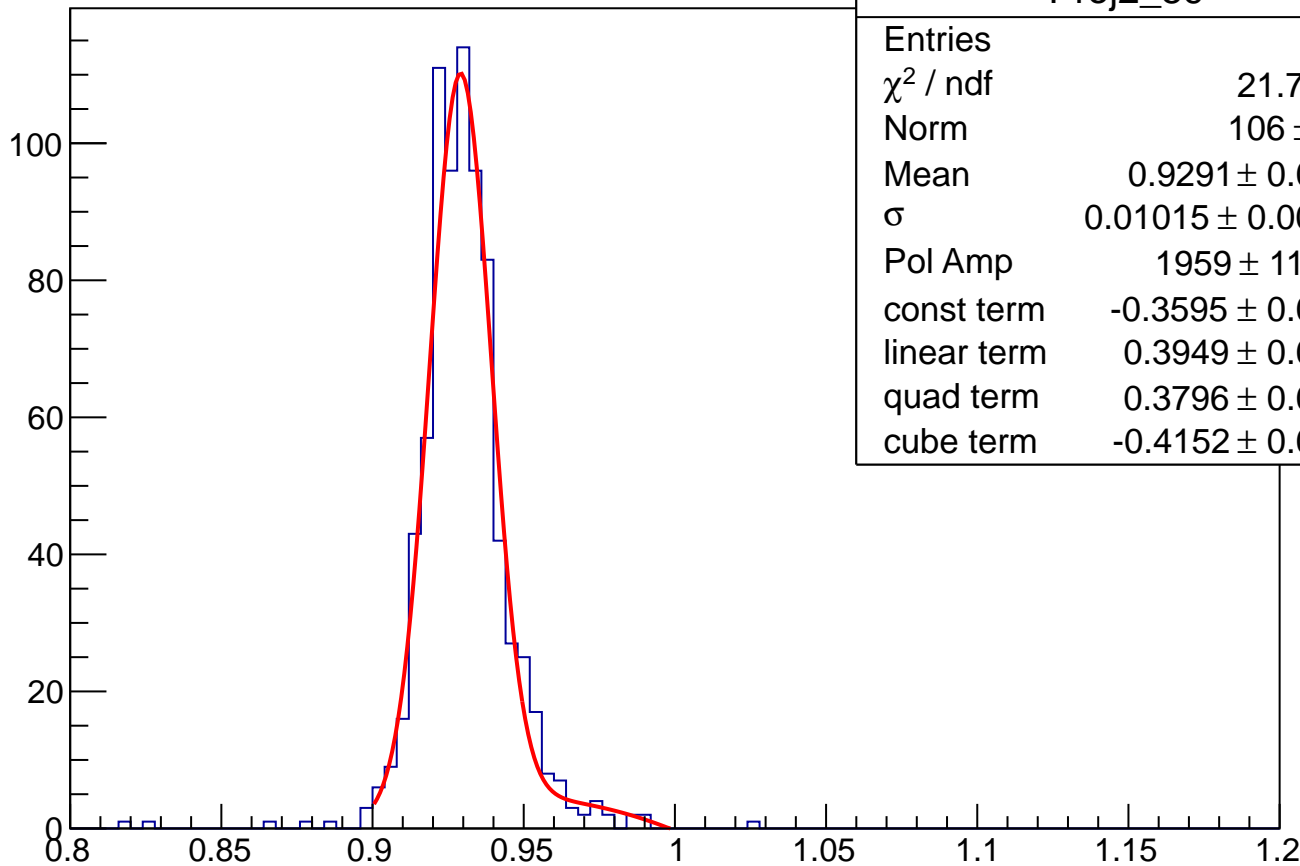
PhiThetaMassPim



Proj2_58

Entries	813
χ^2 / ndf	23.99 / 14
Norm	107.1 ± 5.8
Mean	0.9286 ± 0.0005
σ	0.009862 ± 0.000575
Pol Amp	371.6 ± 1.1
const term	-5.102 ± 1.144
linear term	5.552 ± 1.241
quad term	5.422 ± 1.214
cube term	-5.882 ± 1.316

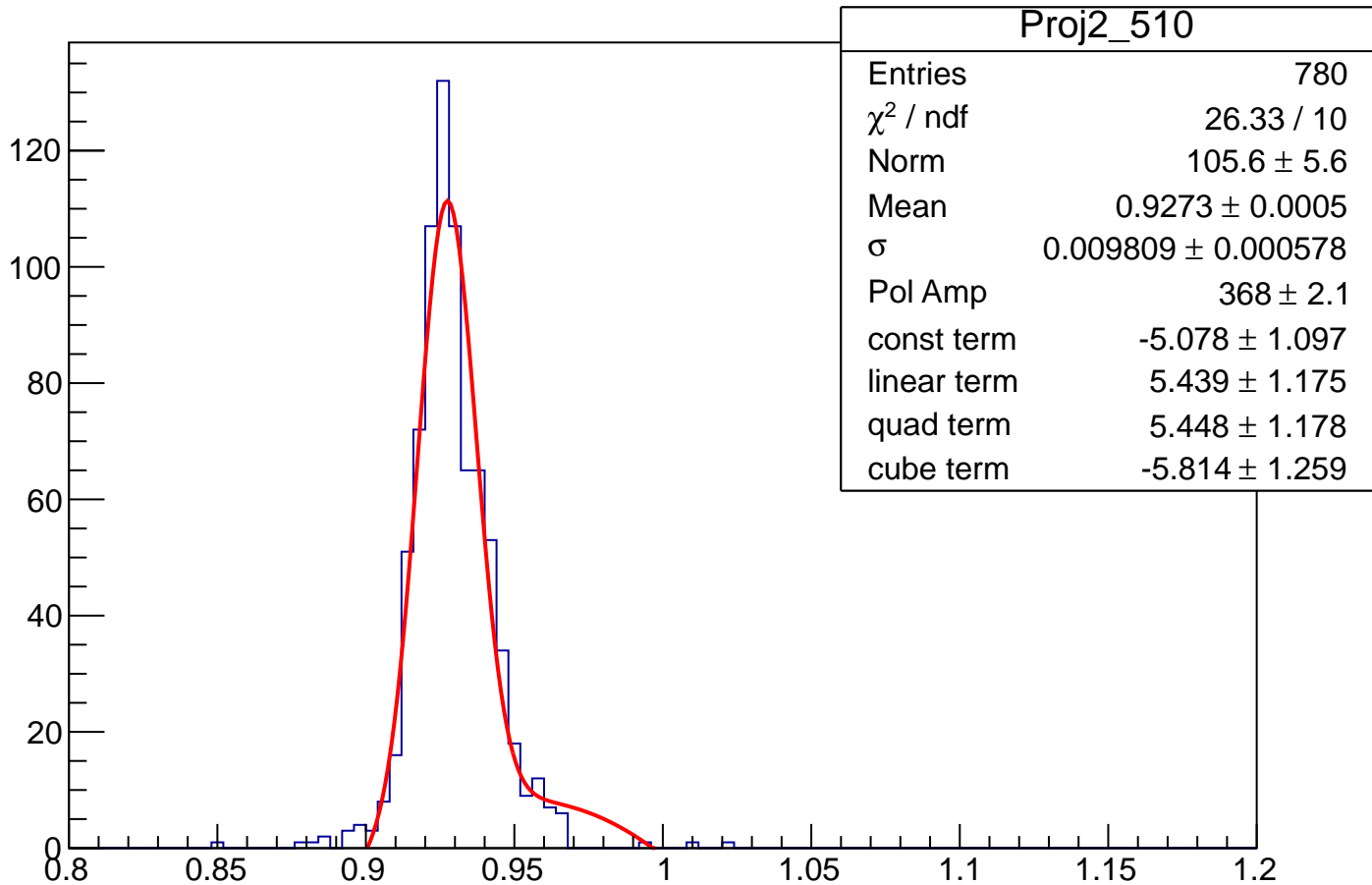
PhiThetaMassPim



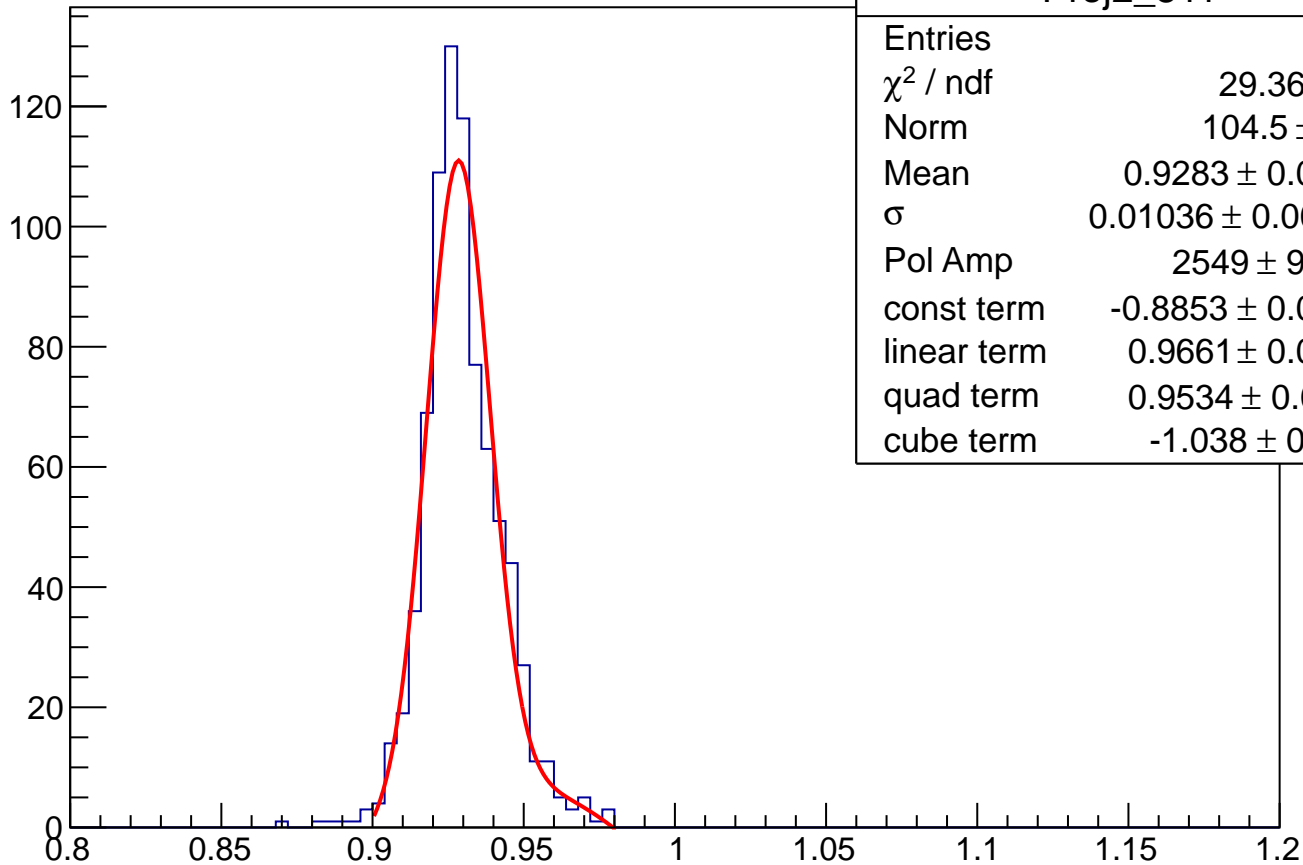
Proj2_59

Entries	781
χ^2 / ndf	21.7 / 14
Norm	106 ± 5.5
Mean	0.9291 ± 0.0005
σ	0.01015 ± 0.00044
Pol Amp	1959 ± 1107.7
const term	-0.3595 ± 0.0032
linear term	0.3949 ± 0.0034
quad term	0.3796 ± 0.0035
cube term	-0.4152 ± 0.0034

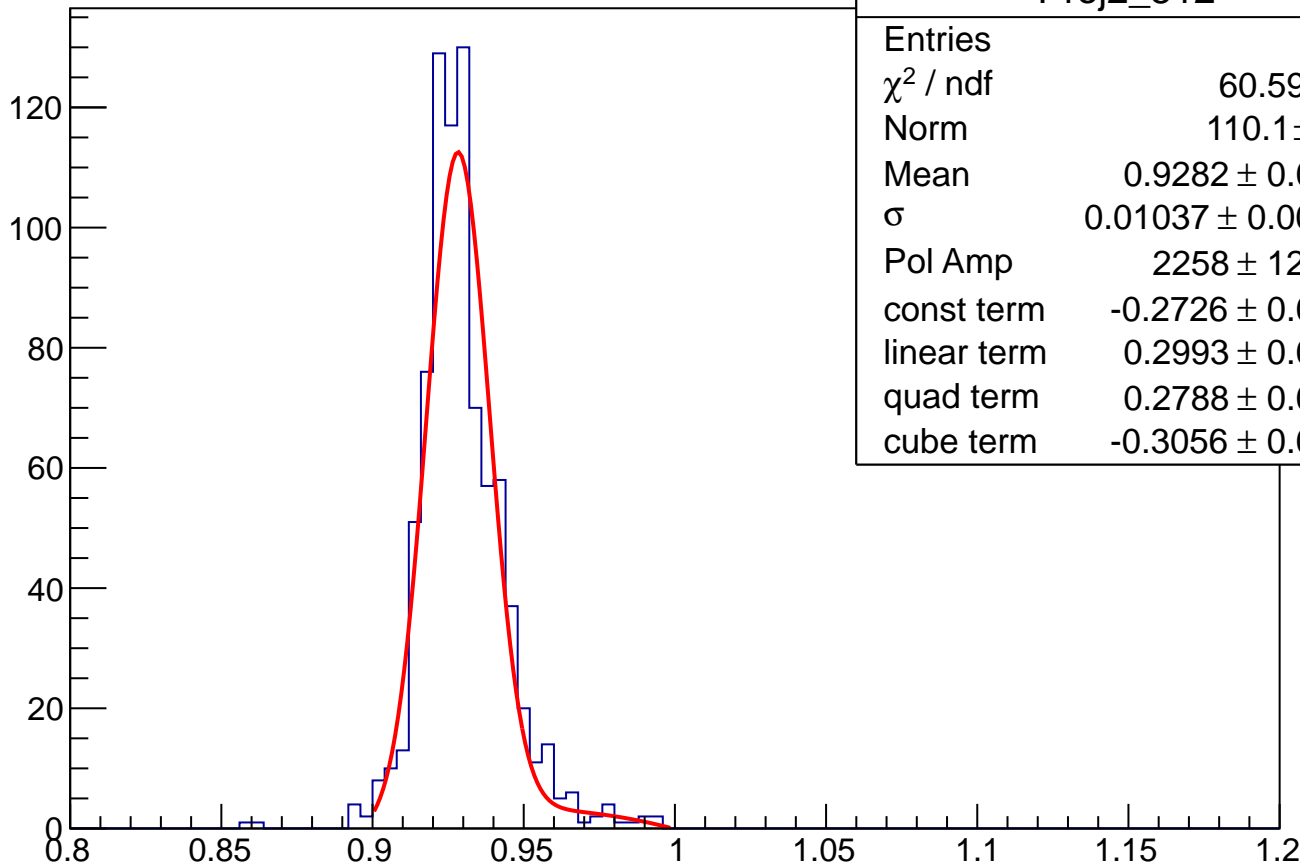
PhiThetaMassPim



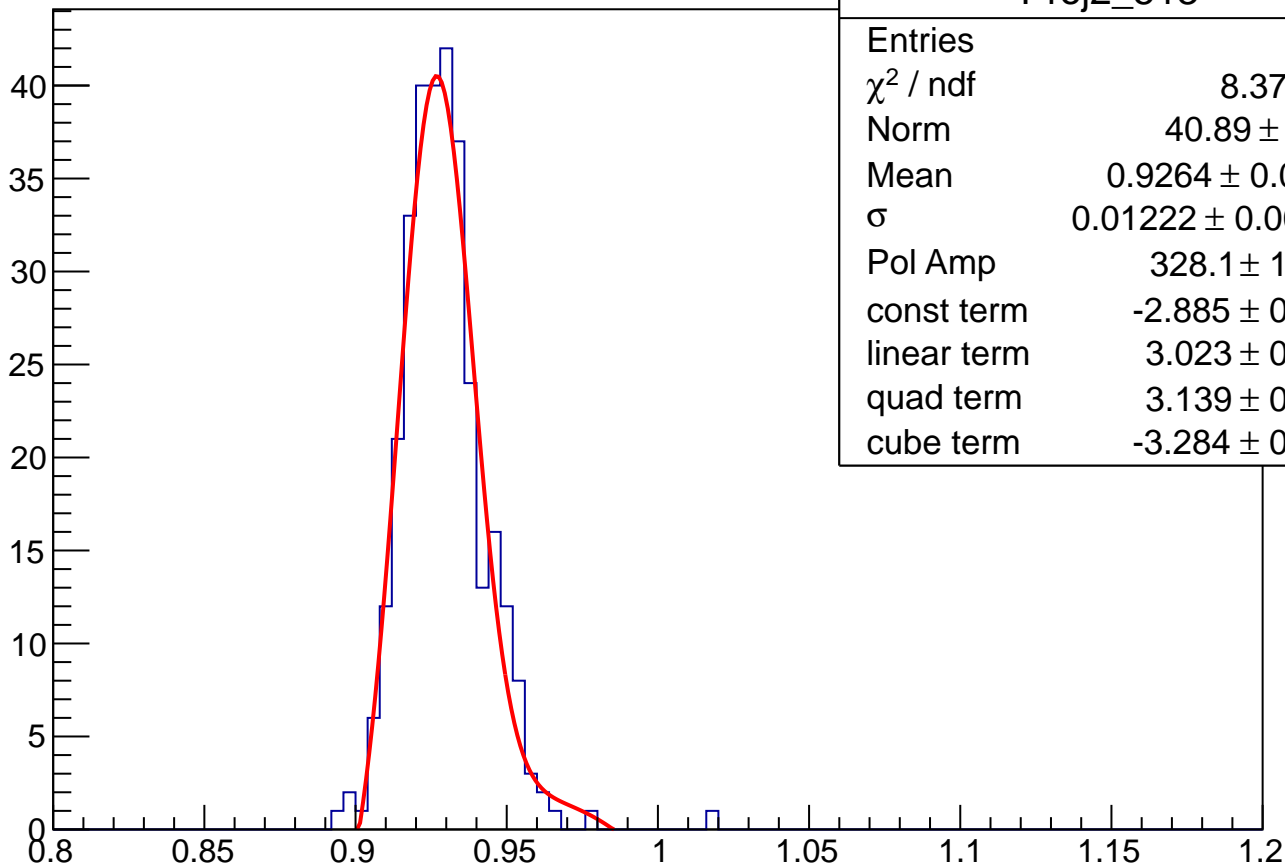
PhiThetaMassPim



PhiThetaMassPim



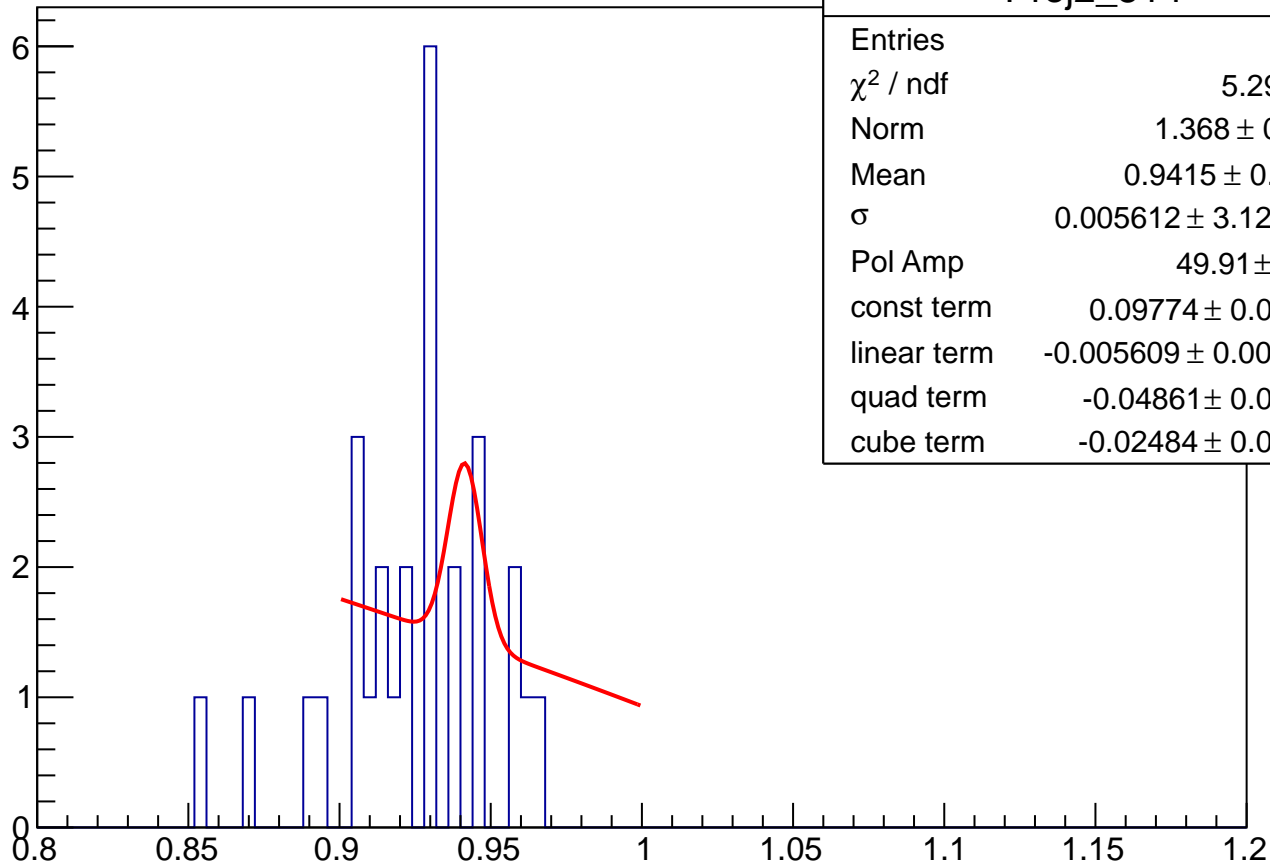
PhiThetaMassPim



Proj2_513

Entries	316
χ^2 / ndf	8.37 / 10
Norm	40.89 ± 2.99
Mean	0.9264 ± 0.0010
σ	0.01222 ± 0.00101
Pol Amp	328.1 ± 140.0
const term	-2.885 ± 0.017
linear term	3.023 ± 0.018
quad term	3.139 ± 0.019
cube term	-3.284 ± 0.020

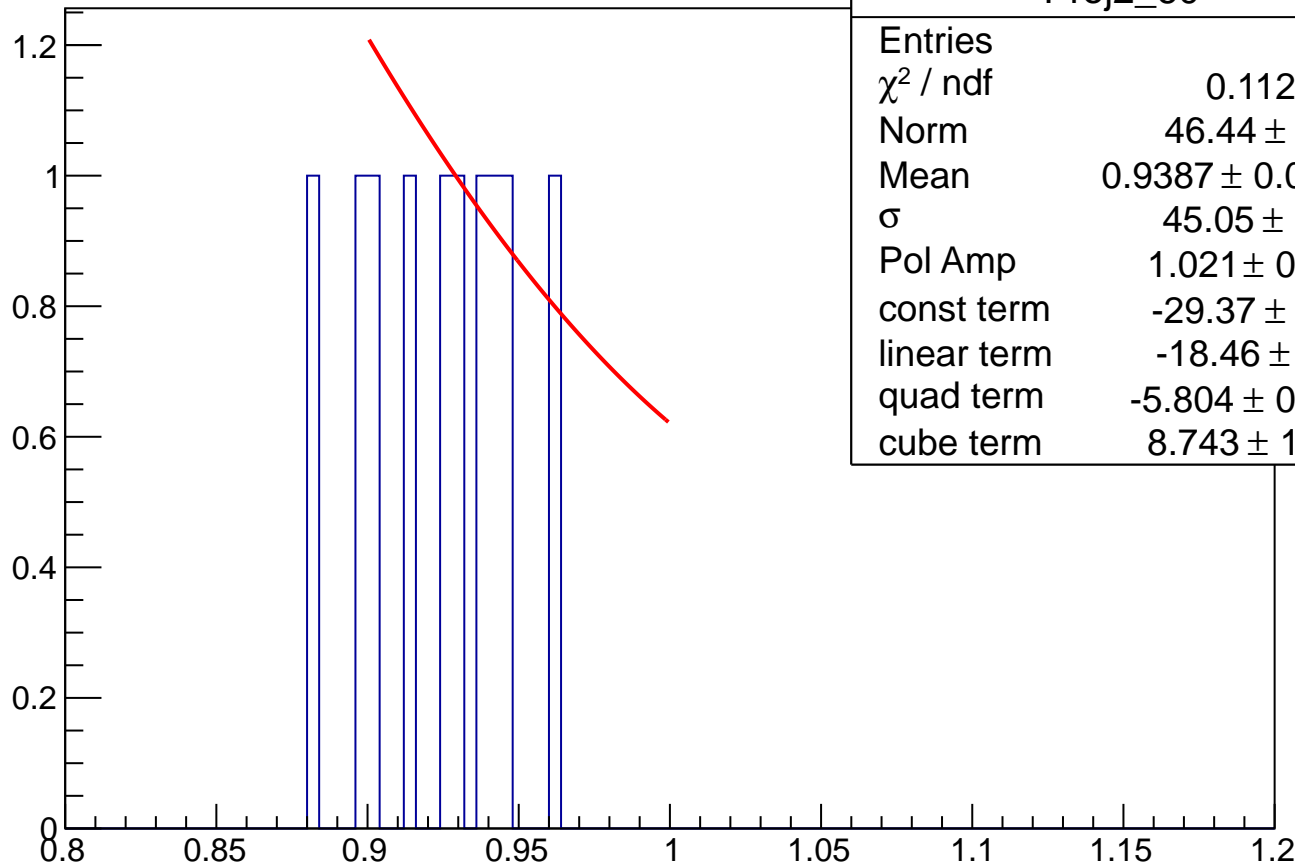
PhiThetaMassPim



Proj2_514

Entries	28
χ^2 / ndf	5.296 / 3
Norm	1.368 ± 0.358
Mean	0.9415 ± 0.0001
σ	0.005612 ± 3.125429
Pol Amp	49.91 ± 9.93
const term	0.09774 ± 0.00528
linear term	-0.005609 ± 0.005292
quad term	-0.04861 ± 0.00528
cube term	-0.02484 ± 0.00524

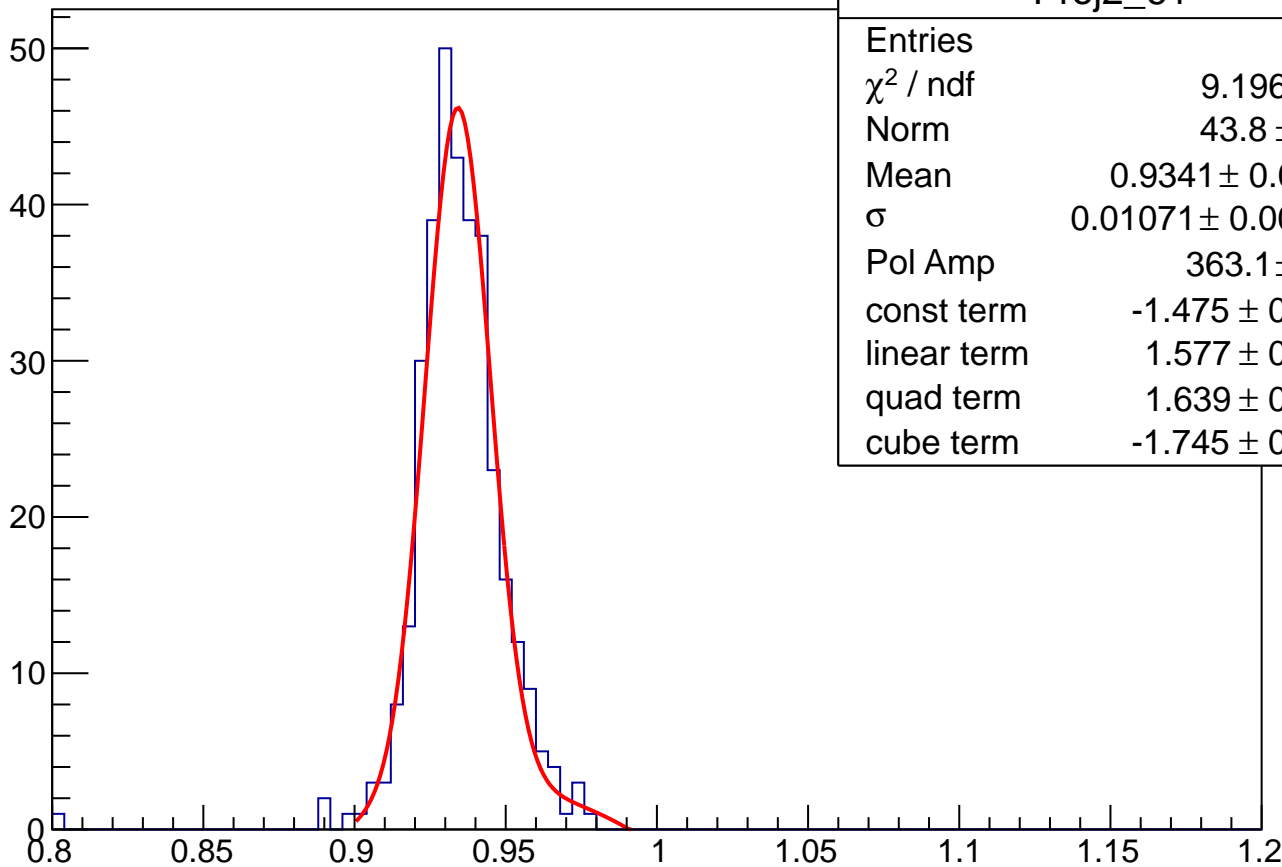
PhiThetaMassPim



Proj2_60

Entries	10
χ^2 / ndf	0.1129 / 0
Norm	46.44 ± 8.62
Mean	0.9387 ± 0.0655
σ	45.05 ± 0.27
Pol Amp	1.021 ± 0.218
const term	-29.37 ± 0.44
linear term	-18.46 ± 0.21
quad term	-5.804 ± 0.939
cube term	8.743 ± 1.771

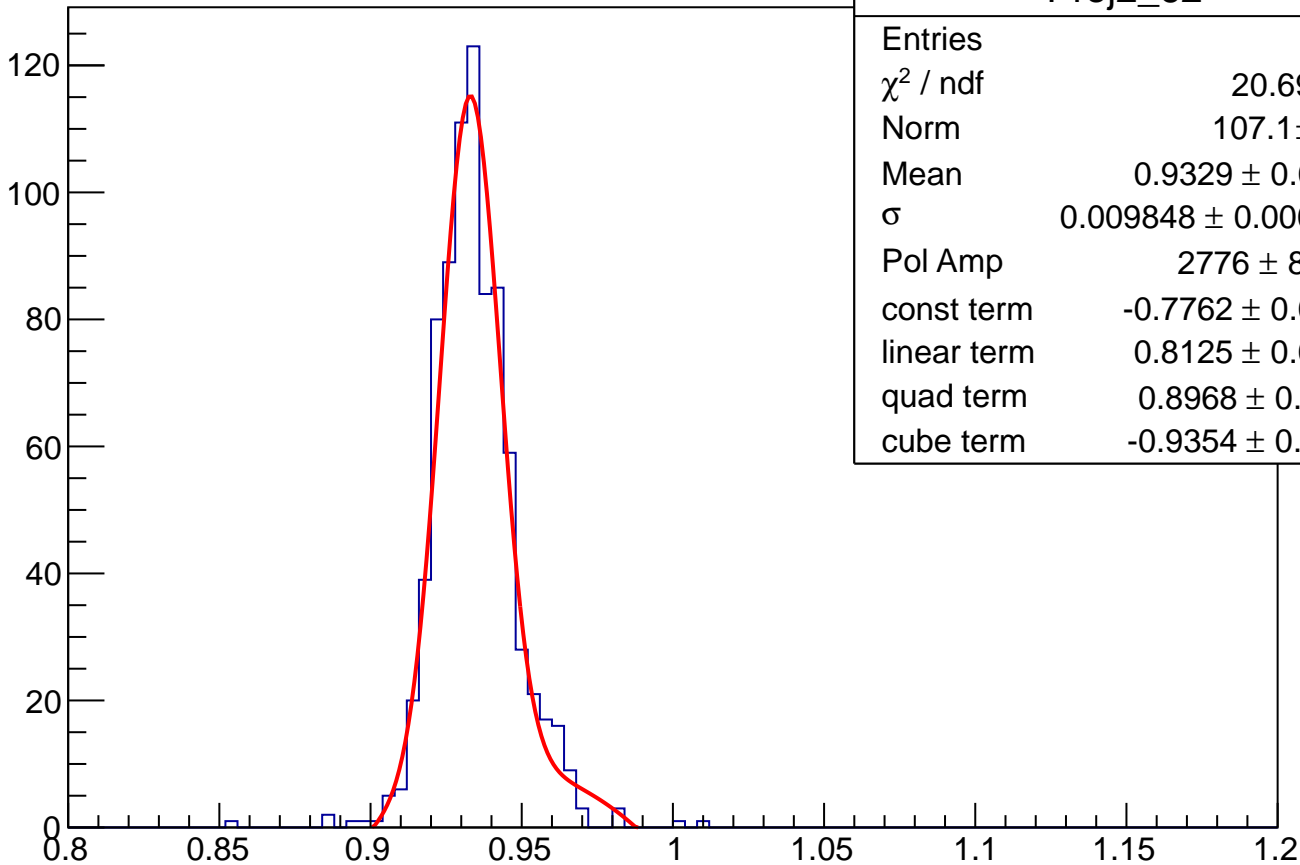
PhiThetaMassPim



Proj2_61

Entries	345
χ^2 / ndf	9.196 / 12
Norm	43.8 ± 3.5
Mean	0.9341 ± 0.0007
σ	0.01071 ± 0.00063
Pol Amp	363.1 ± 0.8
const term	-1.475 ± 0.360
linear term	1.577 ± 0.383
quad term	1.639 ± 0.399
cube term	-1.745 ± 0.424

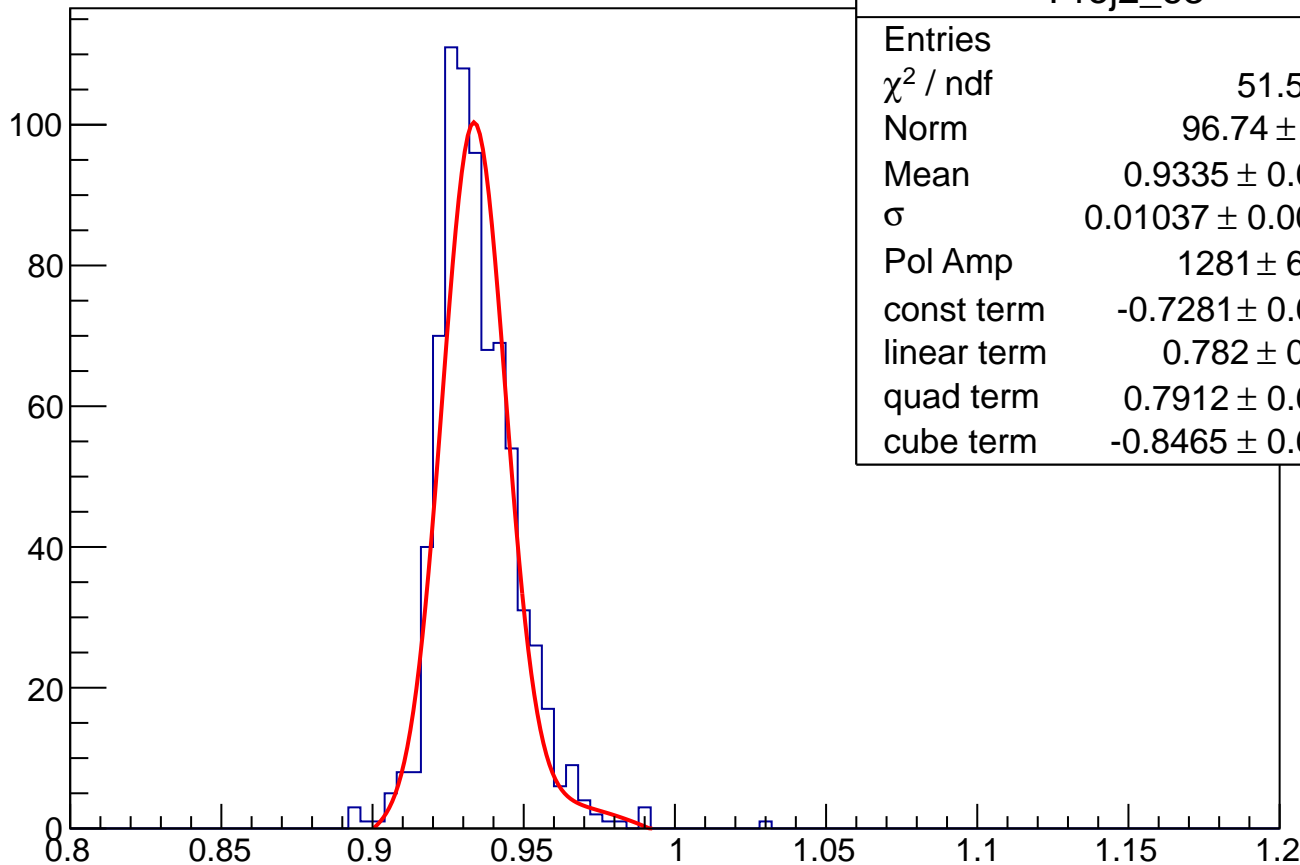
PhiThetaMassPim



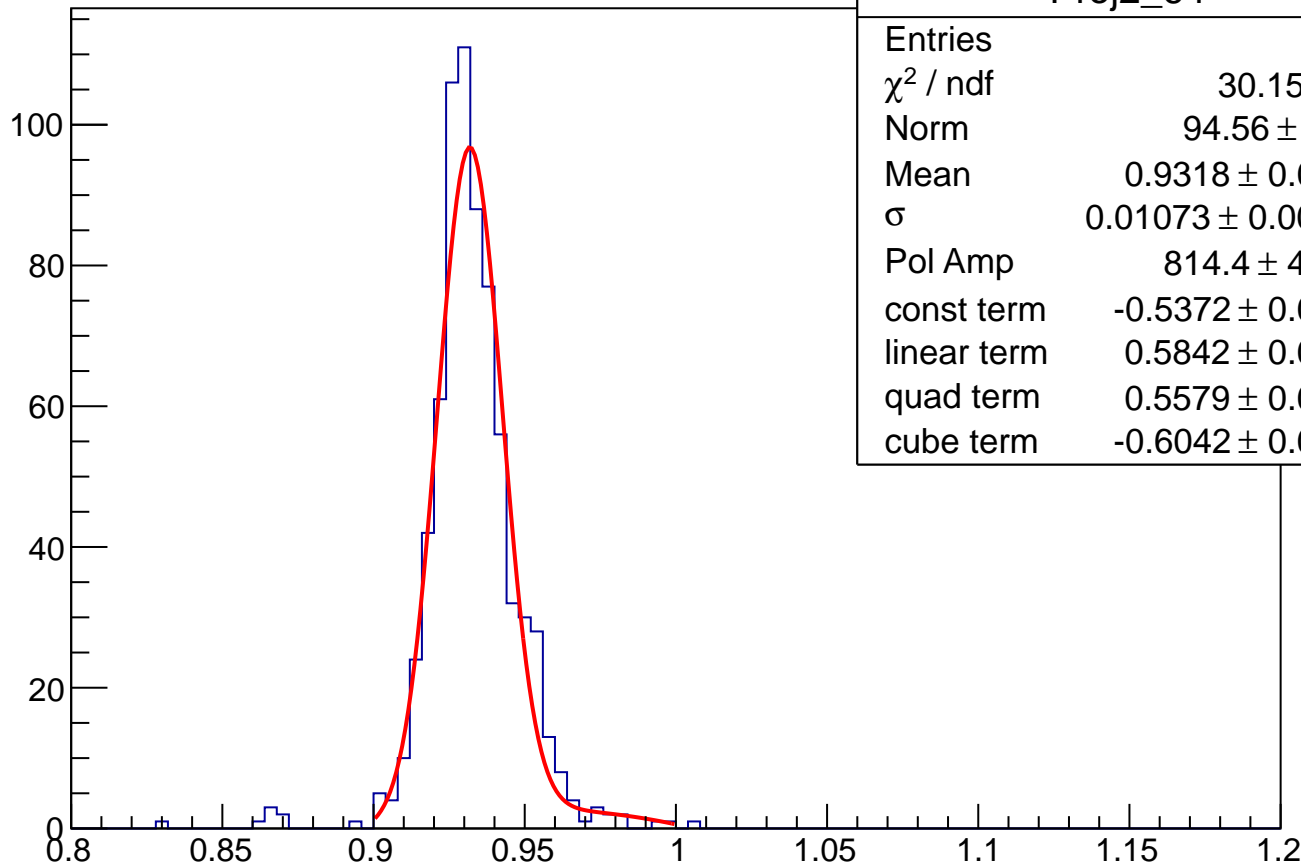
Proj2_62

Entries	806
χ^2 / ndf	20.69 / 11
Norm	107.1 ± 5.7
Mean	0.9329 ± 0.0005
σ	0.009848 ± 0.000447
Pol Amp	2776 ± 874.9
const term	-0.7762 ± 0.0025
linear term	0.8125 ± 0.0029
quad term	0.8968 ± 0.0031
cube term	-0.9354 ± 0.0031

PhiThetaMassPim



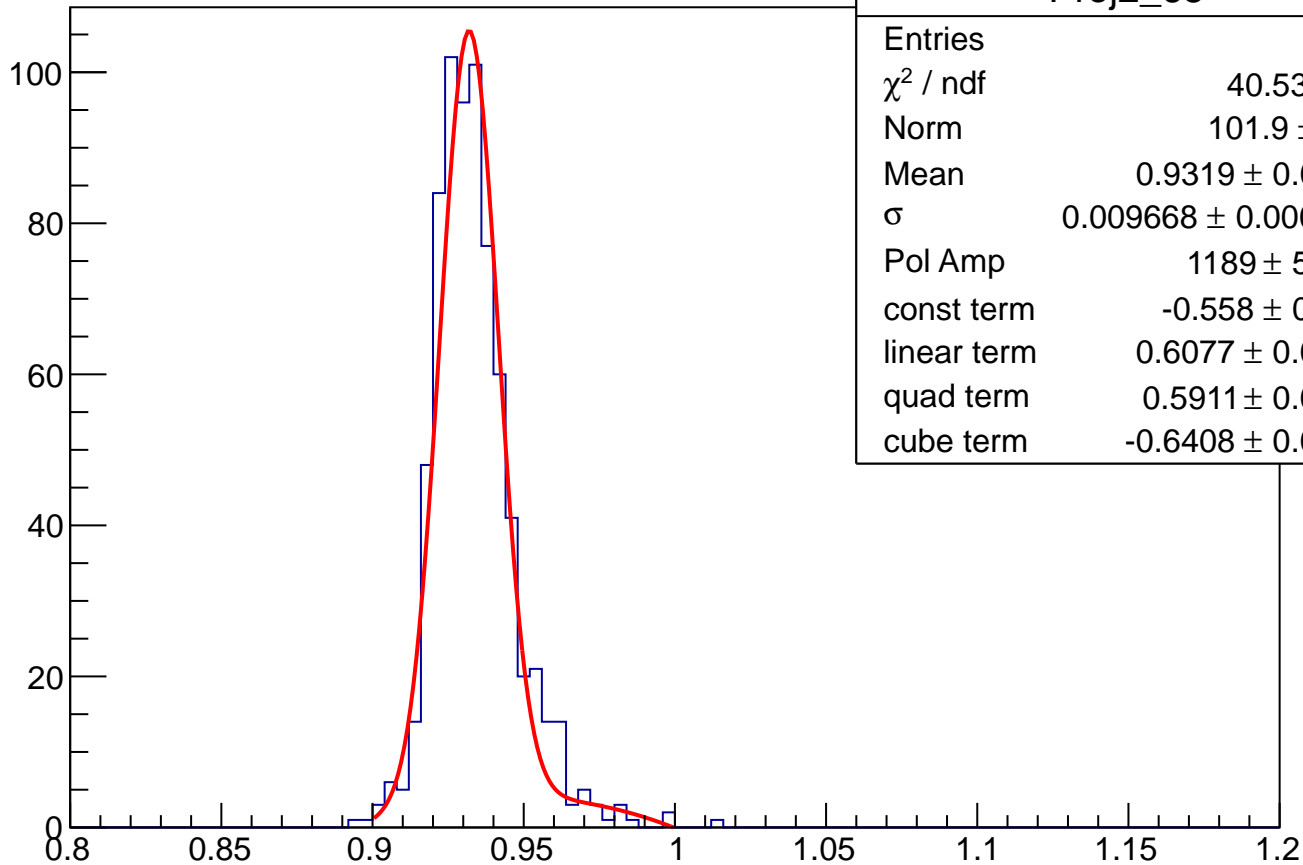
PhiThetaMassPim



Proj2_64

Entries	718
χ^2 / ndf	30.15 / 15
Norm	94.56 ± 5.14
Mean	0.9318 ± 0.0005
σ	0.01073 ± 0.00049
Pol Amp	814.4 ± 476.0
const term	-0.5372 ± 0.0059
linear term	0.5842 ± 0.0064
quad term	0.5579 ± 0.0066
cube term	-0.6042 ± 0.0063

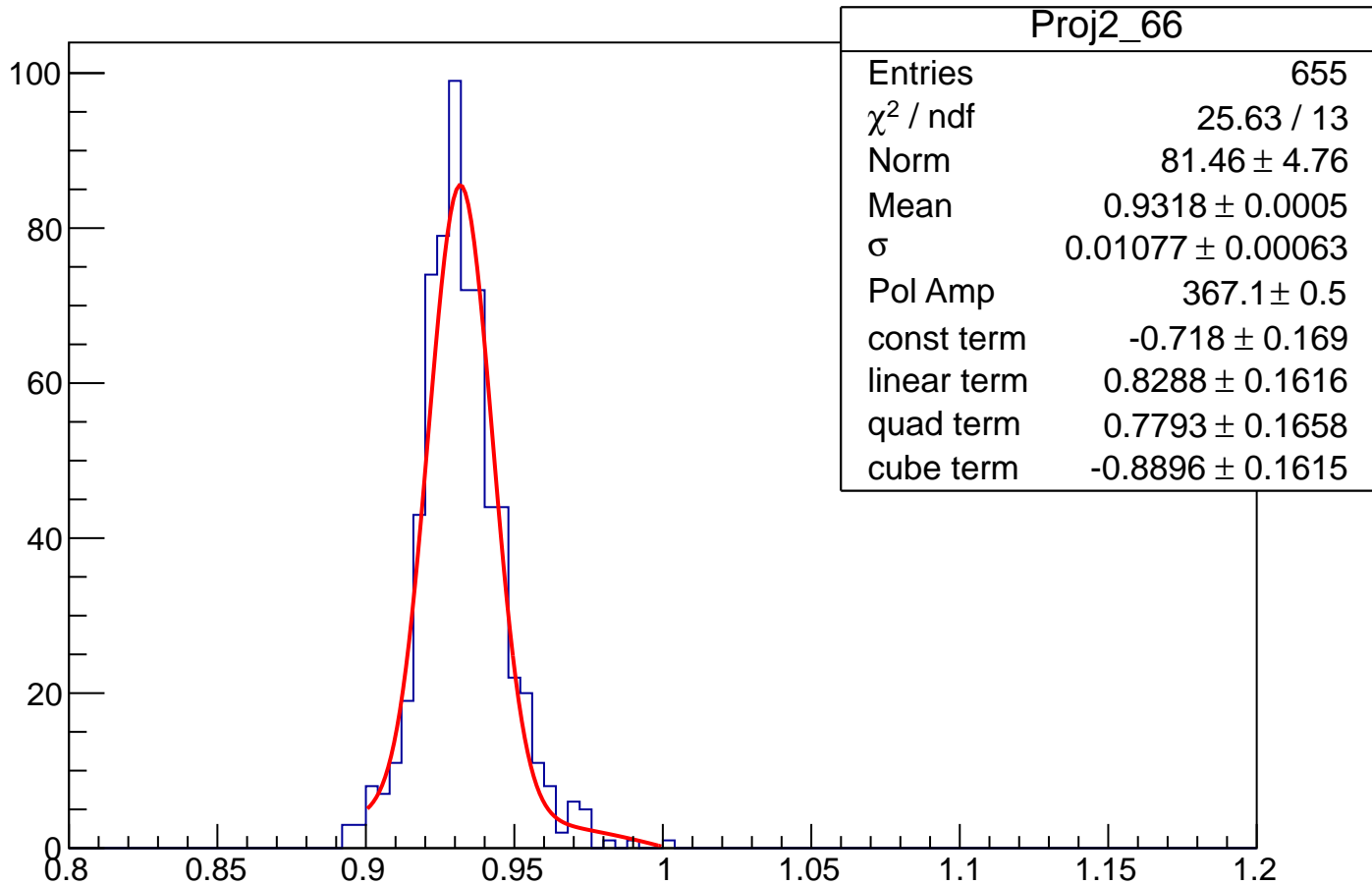
PhiThetaMassPim



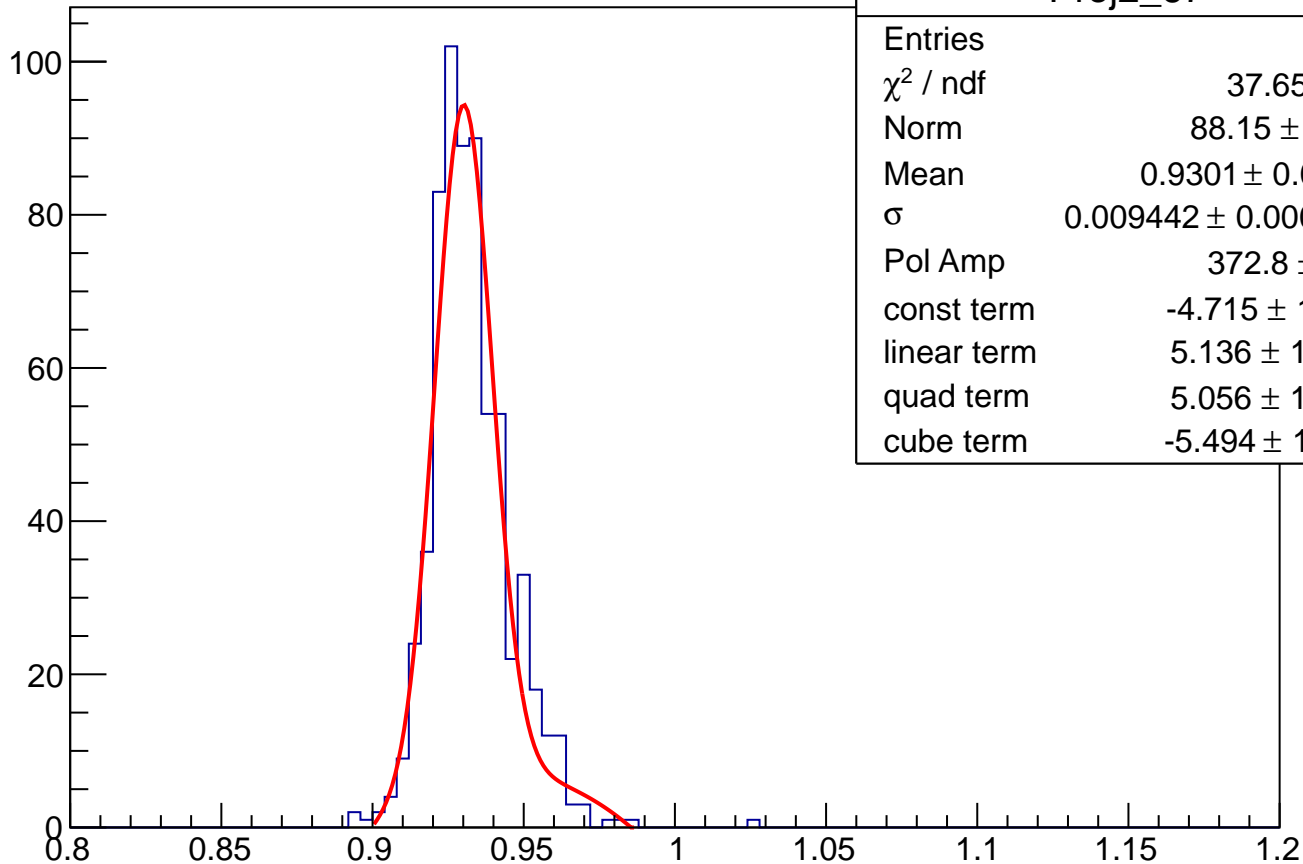
Proj2_65

Entries	727
χ^2 / ndf	40.53 / 15
Norm	101.9 ± 5.5
Mean	0.9319 ± 0.0005
σ	0.009668 ± 0.000408
Pol Amp	1189 ± 579.0
const term	-0.558 ± 0.004
linear term	0.6077 ± 0.0047
quad term	0.5911 ± 0.0049
cube term	-0.6408 ± 0.0046

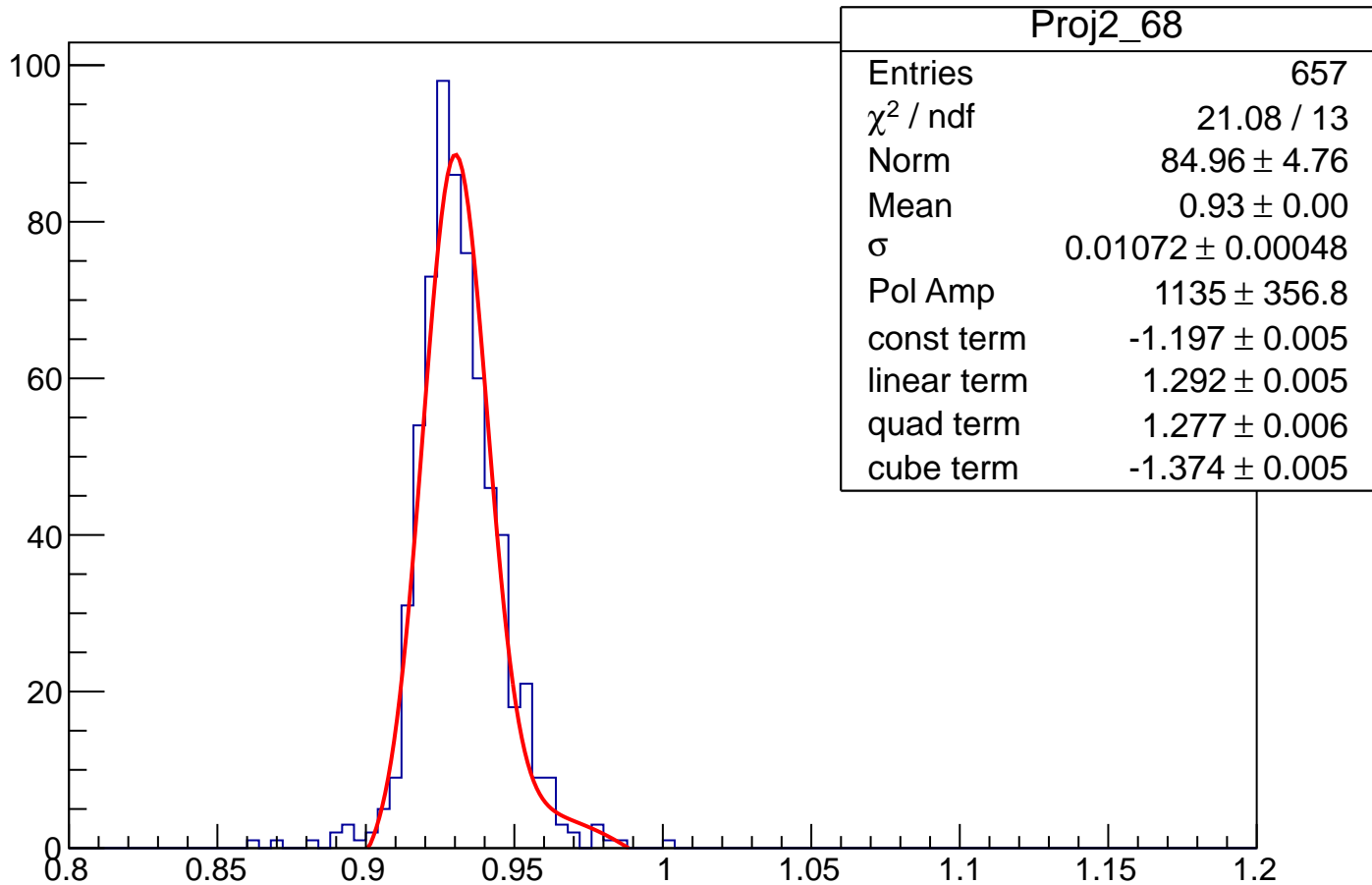
PhiThetaMassPim



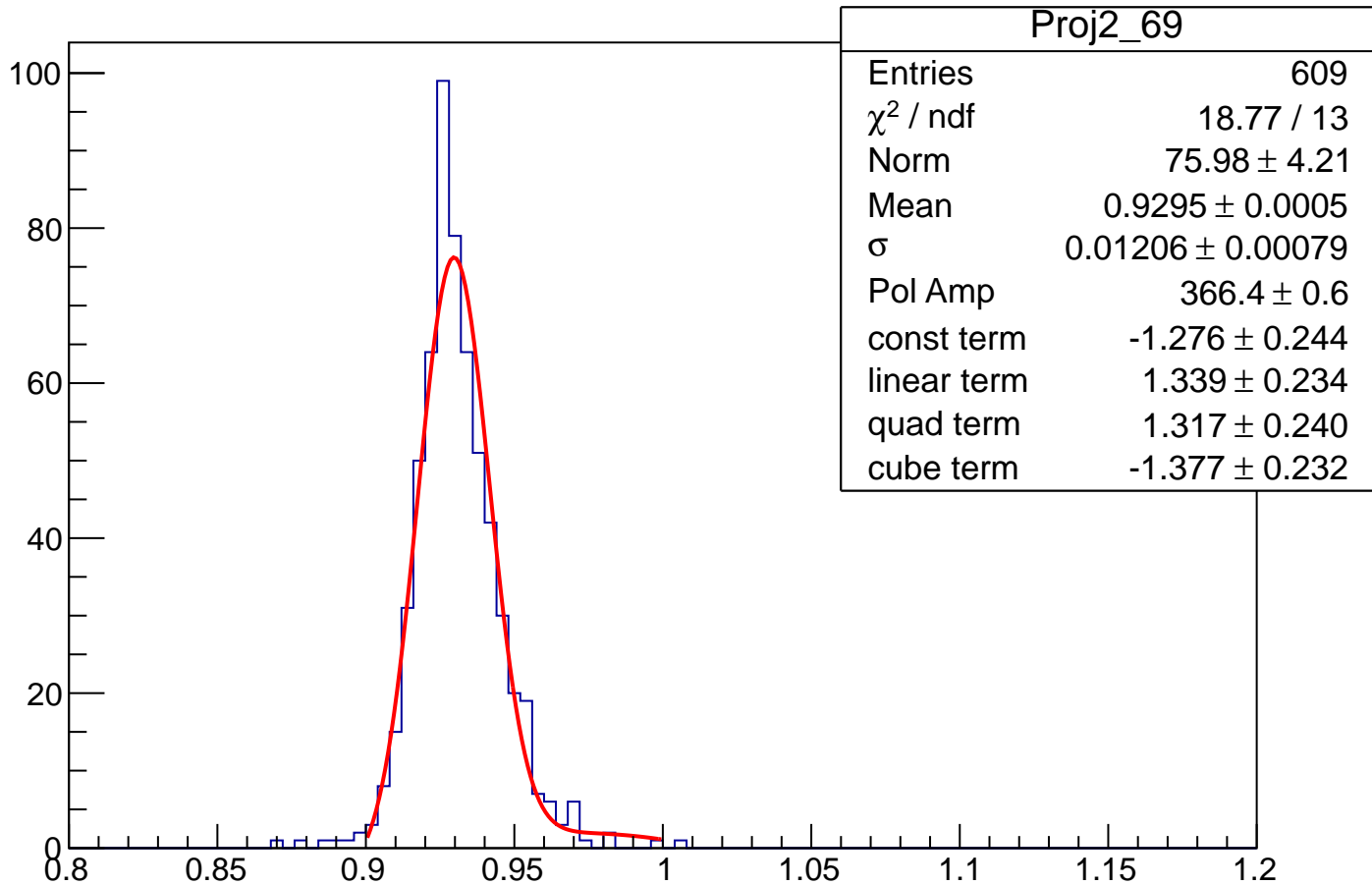
PhiThetaMassPim



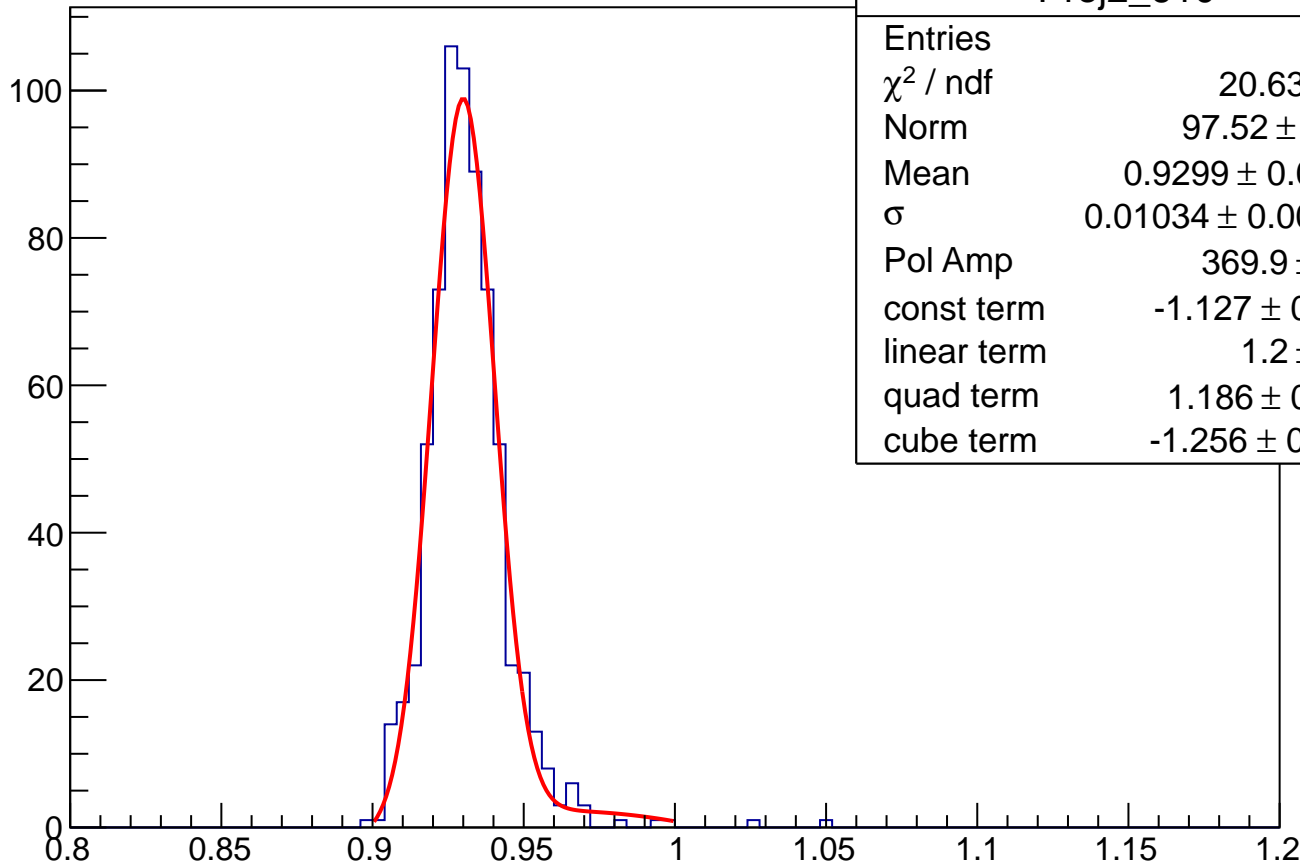
PhiThetaMassPim



PhiThetaMassPim



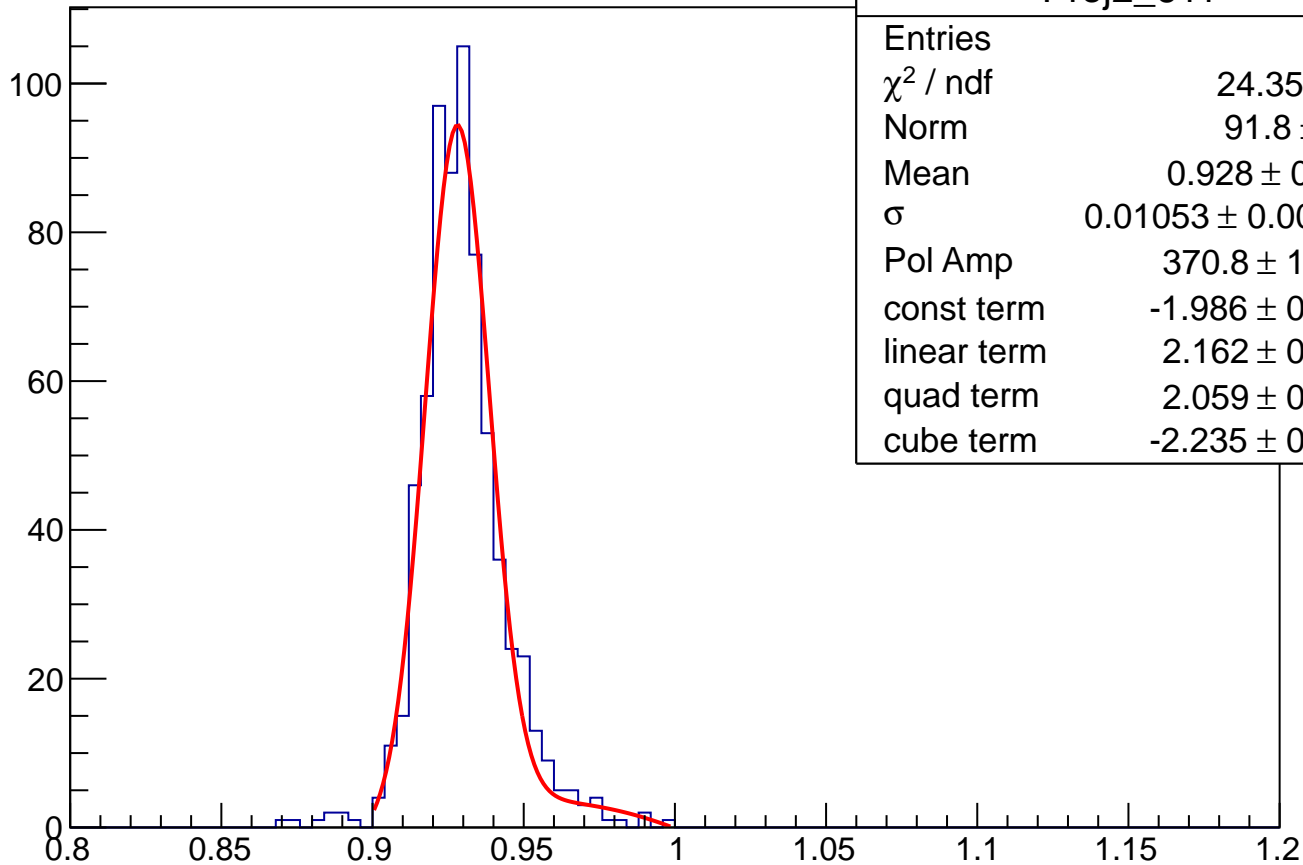
PhiThetaMassPim



Proj2_610

Entries	684
χ^2 / ndf	20.63 / 13
Norm	97.52 ± 5.26
Mean	0.9299 ± 0.0004
σ	0.01034 ± 0.00047
Pol Amp	369.9 ± 0.4
const term	-1.127 ± 0.281
linear term	1.2 ± 0.3
quad term	1.186 ± 0.291
cube term	-1.256 ± 0.302

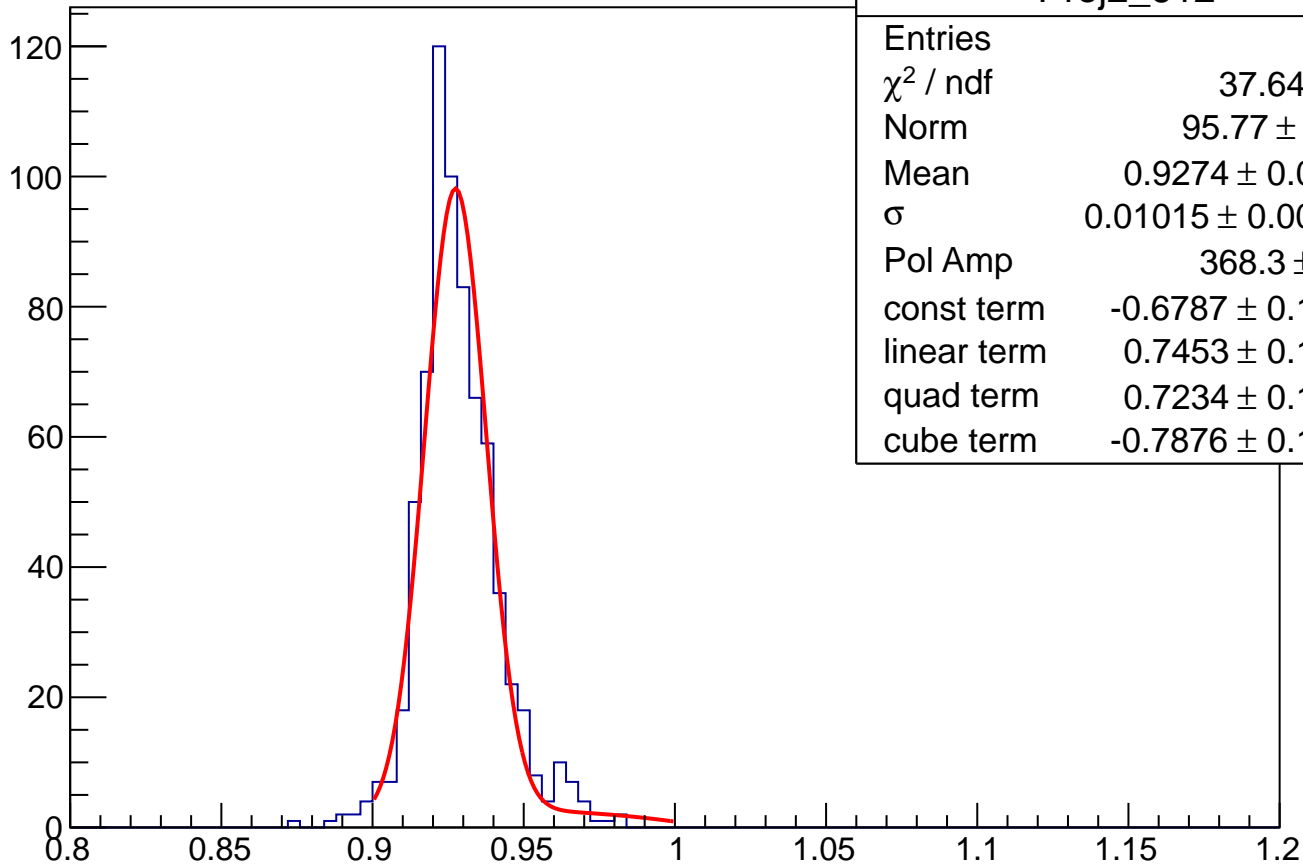
PhiThetaMassPim



Proj2_611

Entries	689
χ^2 / ndf	24.35 / 15
Norm	91.8 ± 5.1
Mean	0.928 ± 0.001
σ	0.01053 ± 0.00049
Pol Amp	370.8 ± 143.3
const term	-1.986 ± 0.014
linear term	2.162 ± 0.015
quad term	2.059 ± 0.015
cube term	-2.235 ± 0.015

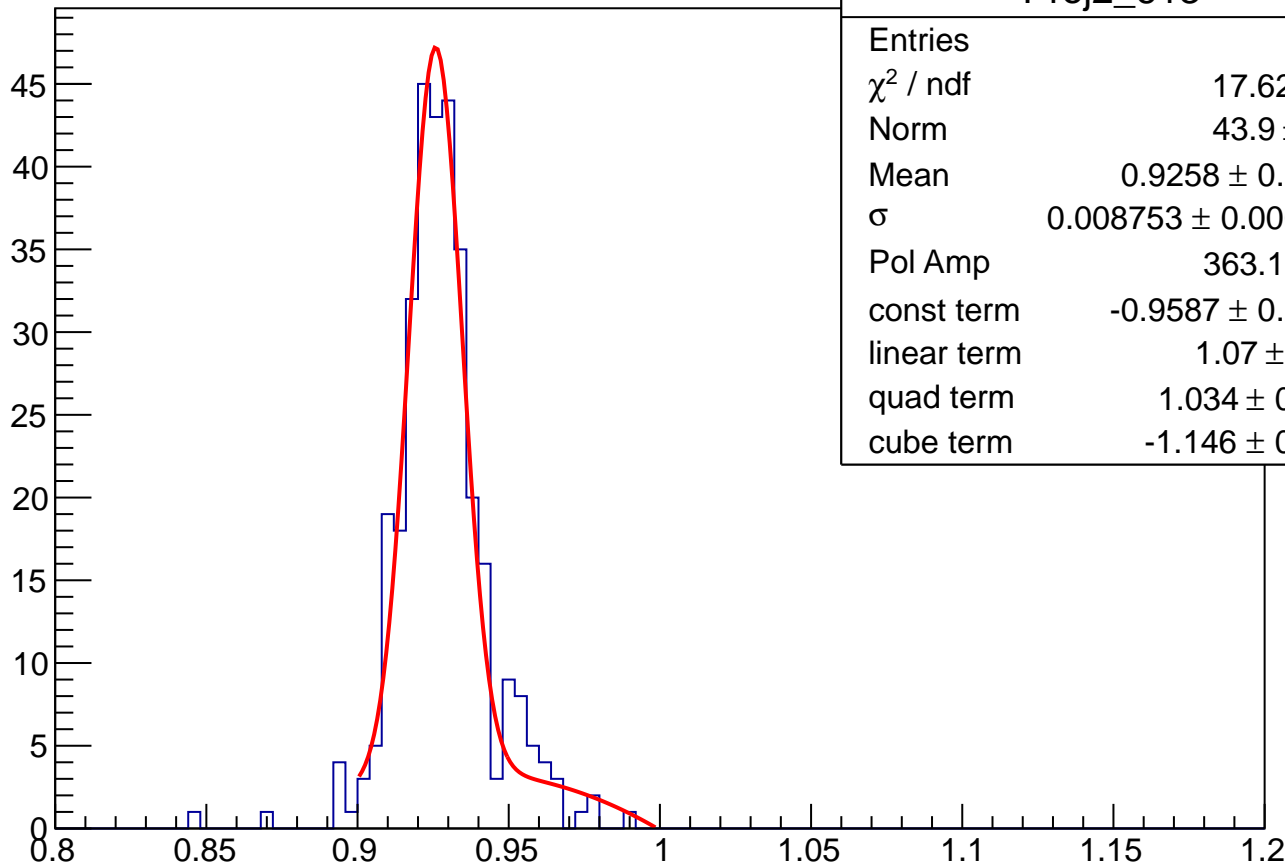
PhiThetaMassPim



Proj2_612

Entries	703
χ^2 / ndf	37.64 / 13
Norm	95.77 ± 5.20
Mean	0.9274 ± 0.0005
σ	0.01015 ± 0.00060
Pol Amp	368.3 ± 0.5
const term	-0.6787 ± 0.1915
linear term	0.7453 ± 0.1752
quad term	0.7234 ± 0.1853
cube term	-0.7876 ± 0.1727

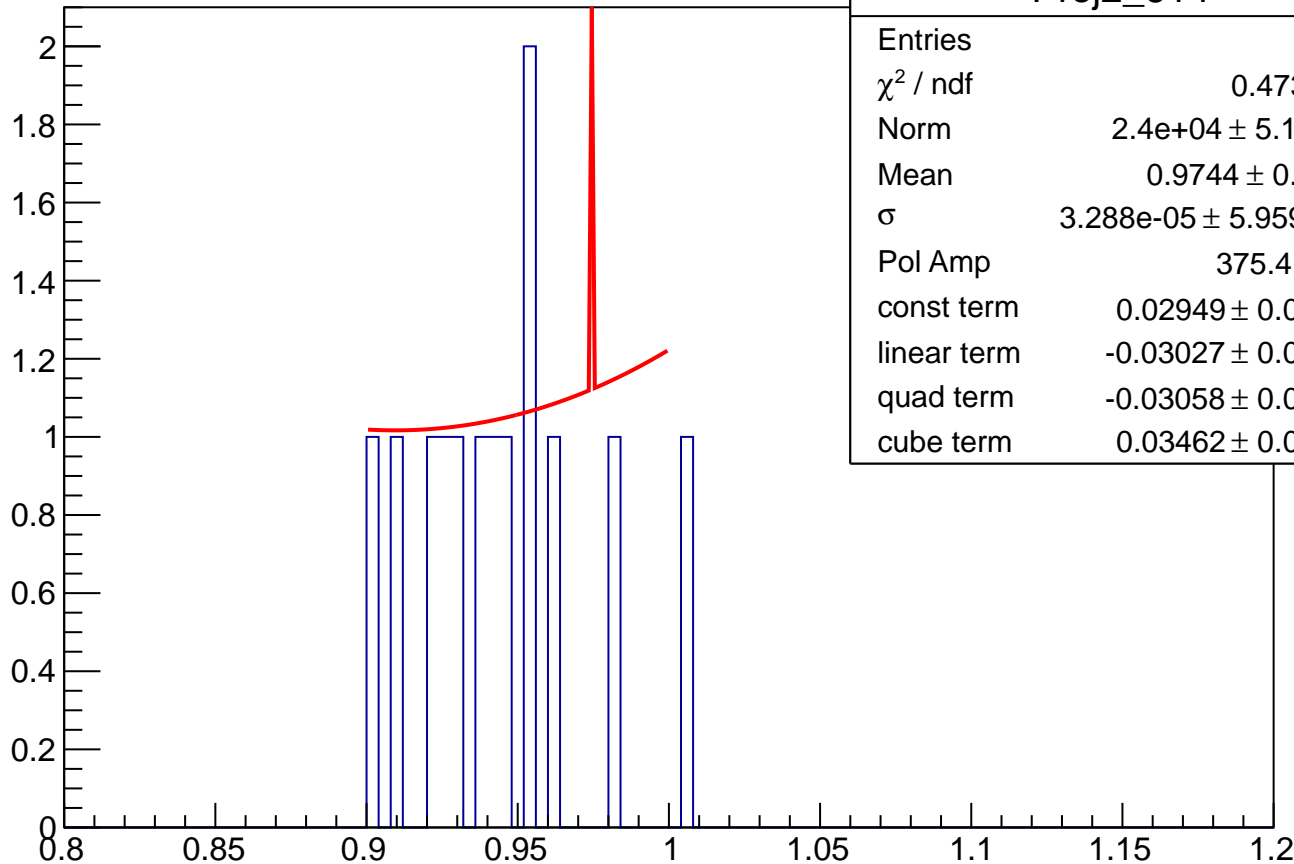
PhiThetaMassPim



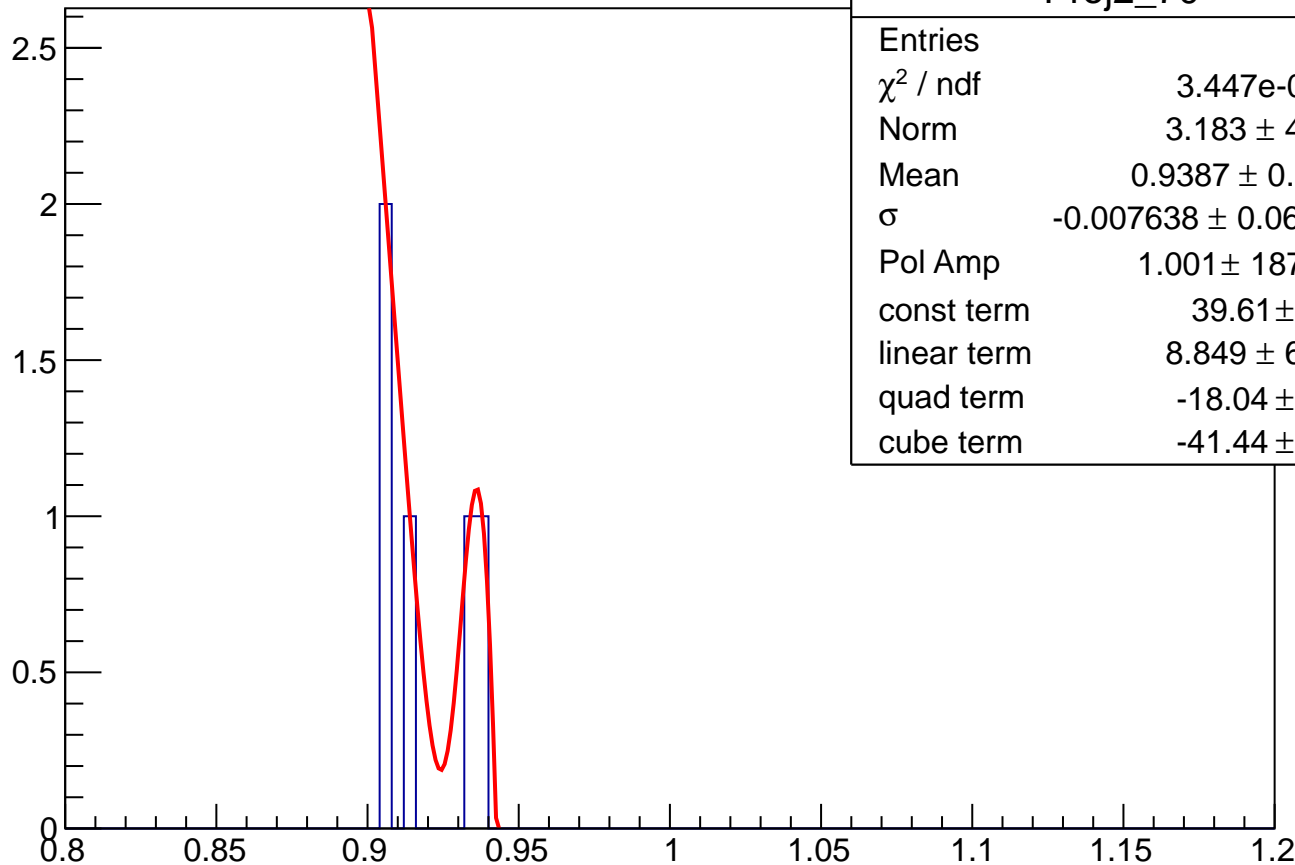
Proj2_613

Entries	323
χ^2 / ndf	17.62 / 12
Norm	43.9 ± 3.8
Mean	0.9258 ± 0.0007
σ	0.008753 ± 0.000717
Pol Amp	363.1 ± 1.1
const term	-0.9587 ± 0.2728
linear term	1.07 ± 0.28
quad term	1.034 ± 0.279
cube term	-1.146 ± 0.283

PhiThetaMassPim



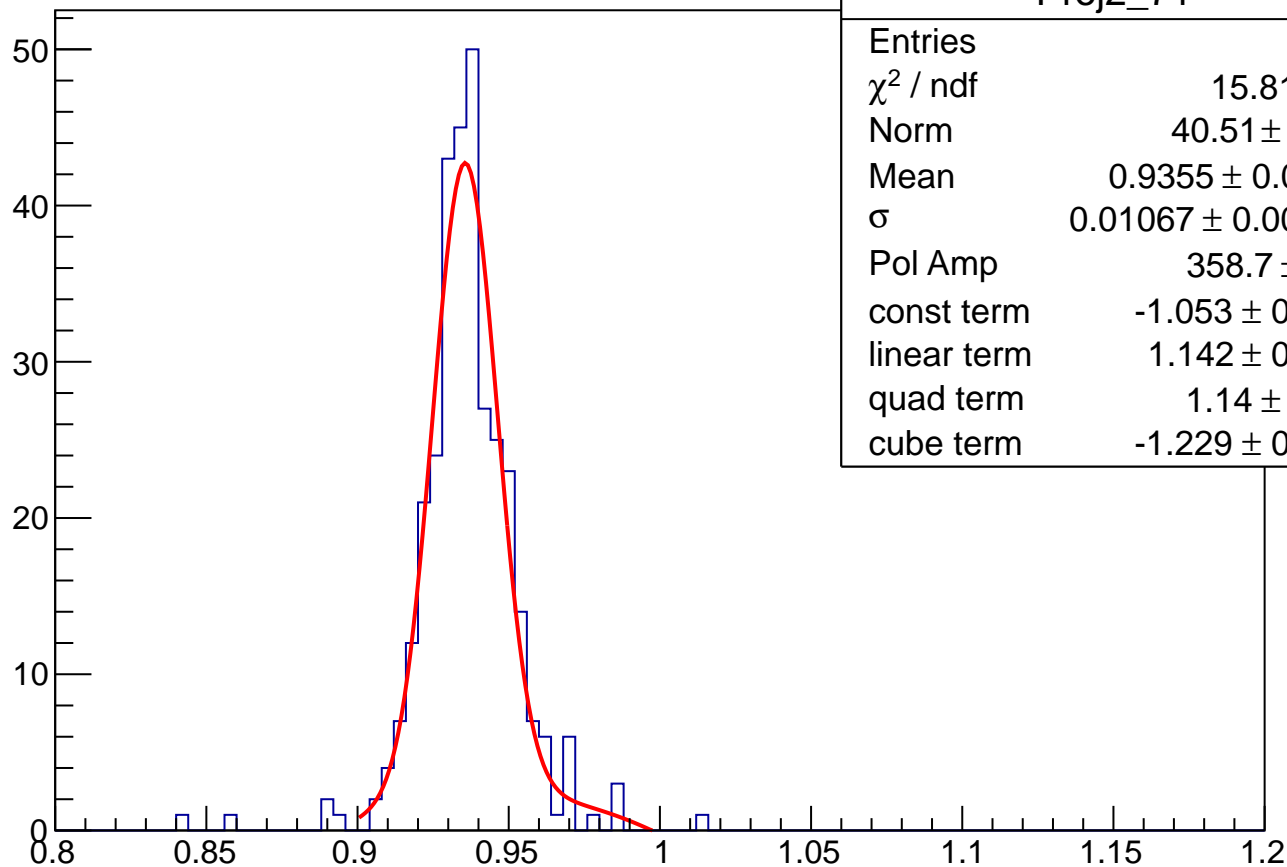
PhiThetaMassPim



Proj2_70

Entries	5
χ^2 / ndf	3.447e-07 / 0
Norm	3.183 ± 4.767
Mean	0.9387 ± 0.0363
σ	-0.007638 ± 0.060161
Pol Amp	1.001 ± 187.687
const term	39.61 ± 5.68
linear term	8.849 ± 6.163
quad term	-18.04 ± 6.68
cube term	-41.44 ± 7.24

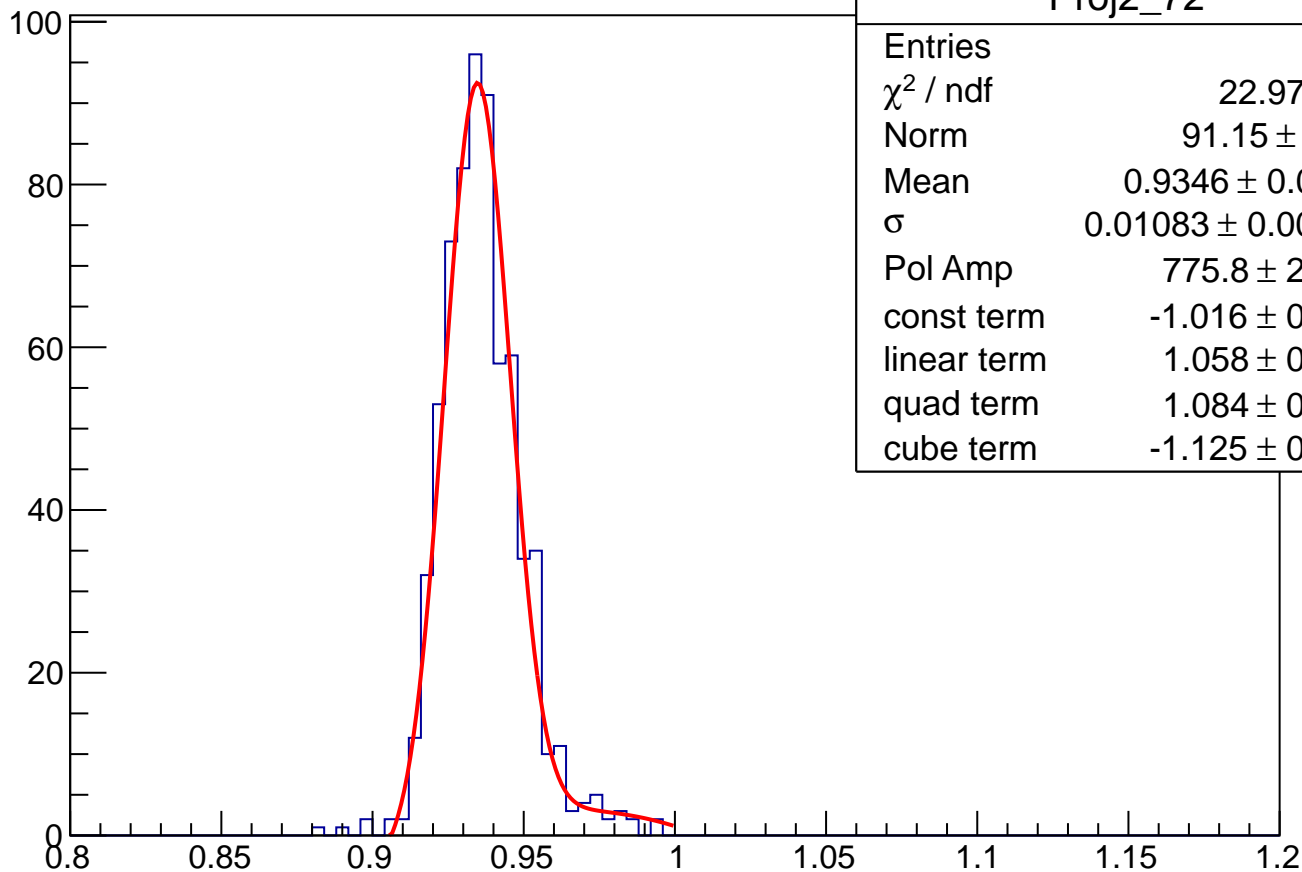
PhiThetaMassPim



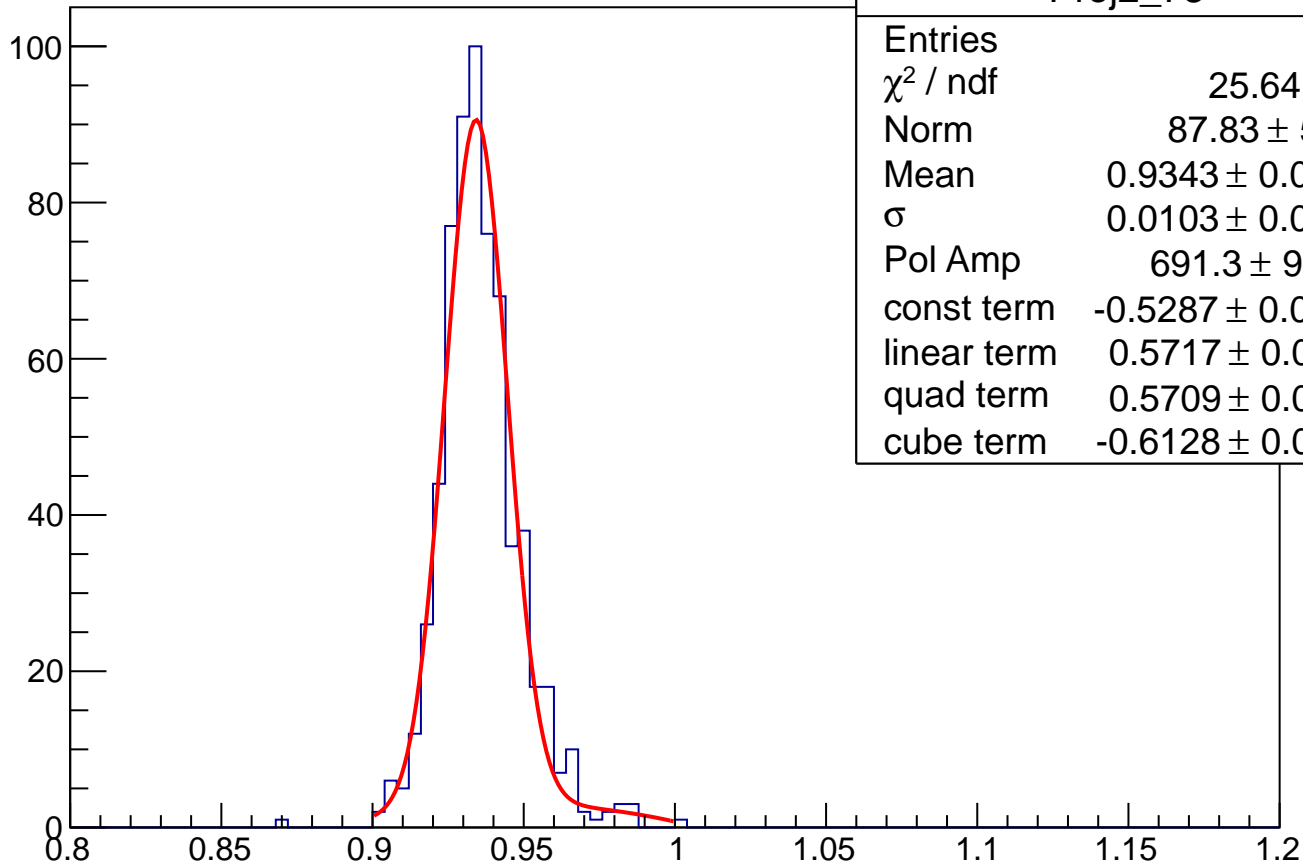
Proj2_71

Entries	327
χ^2 / ndf	15.81 / 11
Norm	40.51 ± 3.36
Mean	0.9355 ± 0.0008
σ	0.01067 ± 0.00078
Pol Amp	358.7 ± 1.3
const term	-1.053 ± 0.307
linear term	1.142 ± 0.315
quad term	1.14 ± 0.32
cube term	-1.229 ± 0.333

PhiThetaMassPim



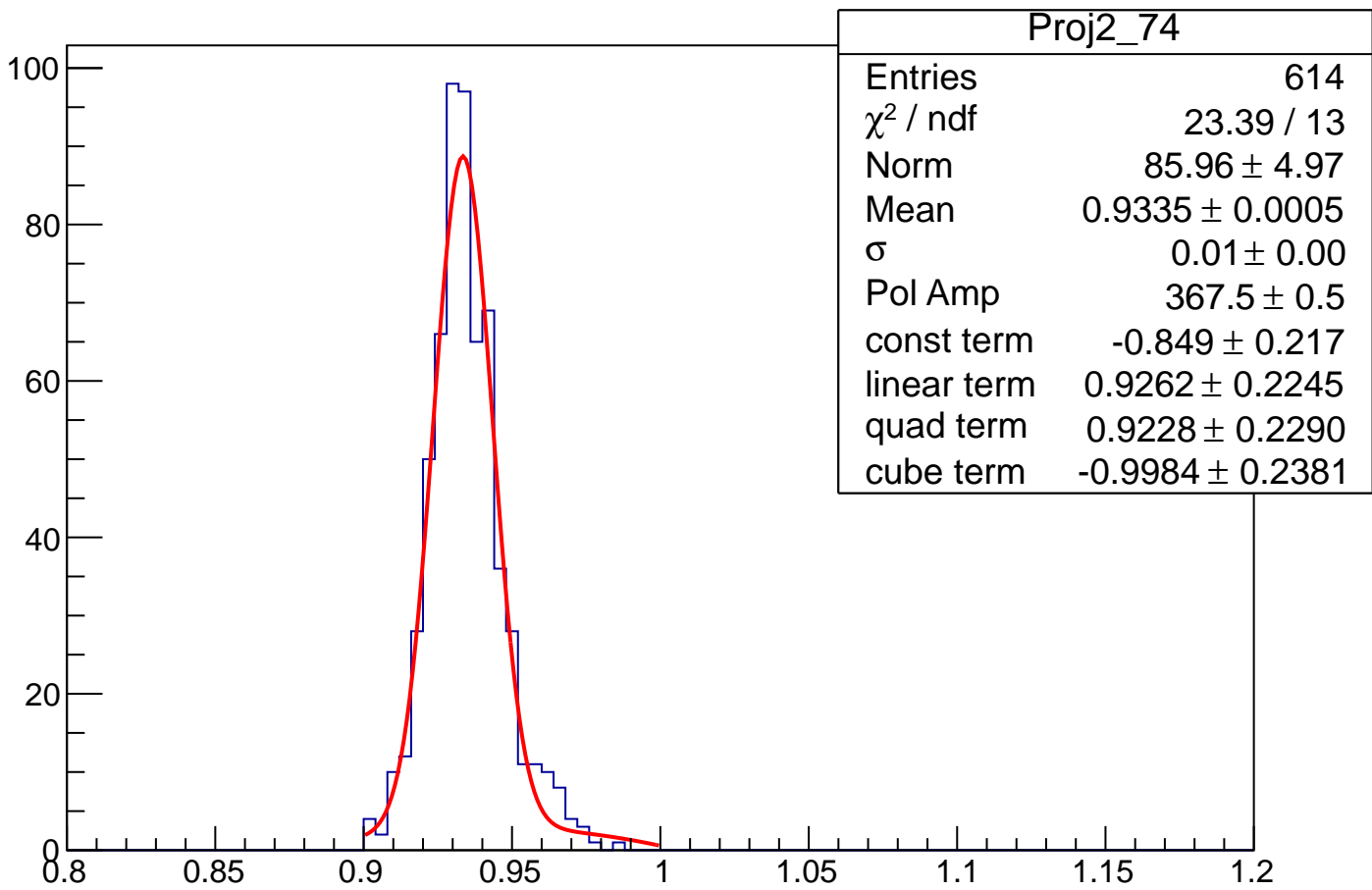
PhiThetaMassPim



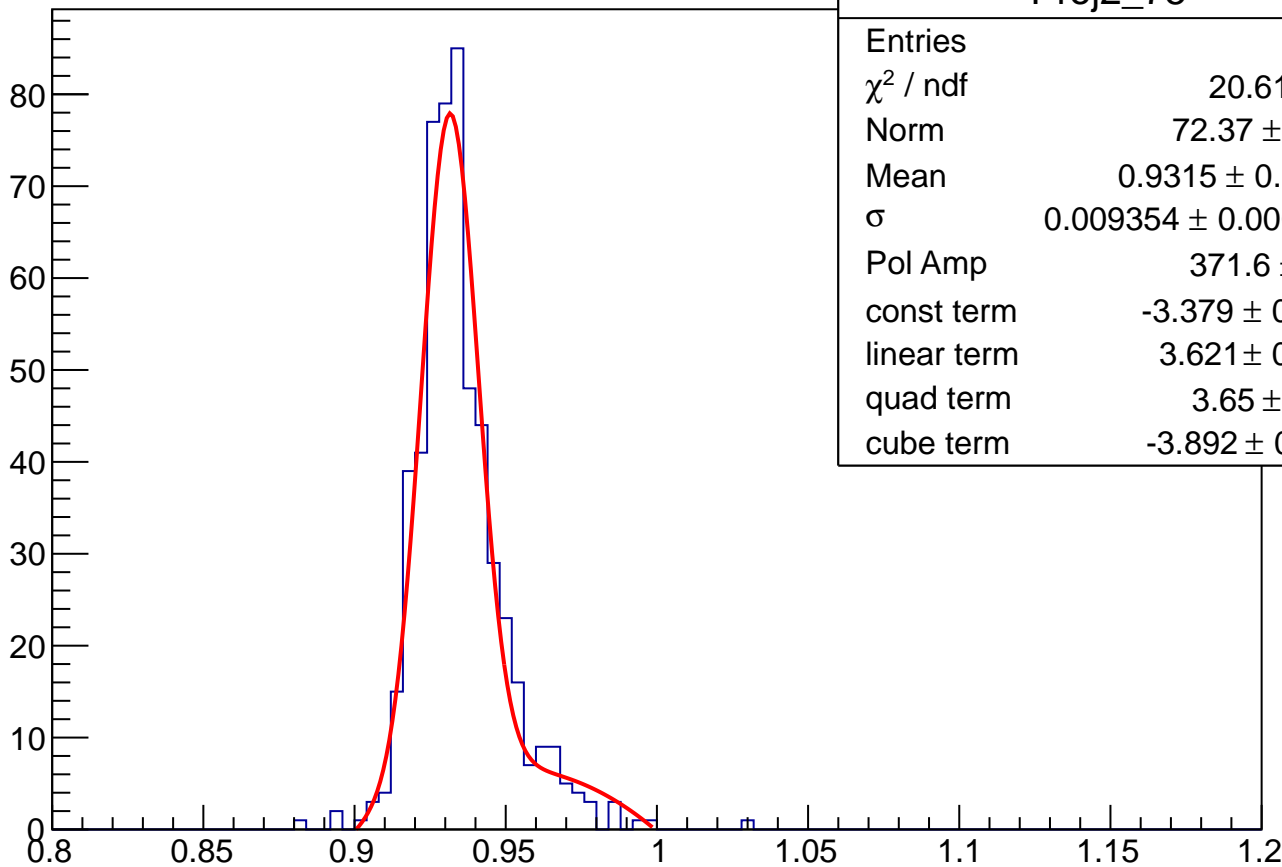
Proj2_73

Entries	647
χ^2 / ndf	25.64 / 14
Norm	87.83 ± 5.05
Mean	0.9343 ± 0.0005
σ	0.0103 ± 0.0005
Pol Amp	691.3 ± 911.9
const term	-0.5287 ± 0.0075
linear term	0.5717 ± 0.0087
quad term	0.5709 ± 0.0092
cube term	-0.6128 ± 0.0092

PhiThetaMassPim



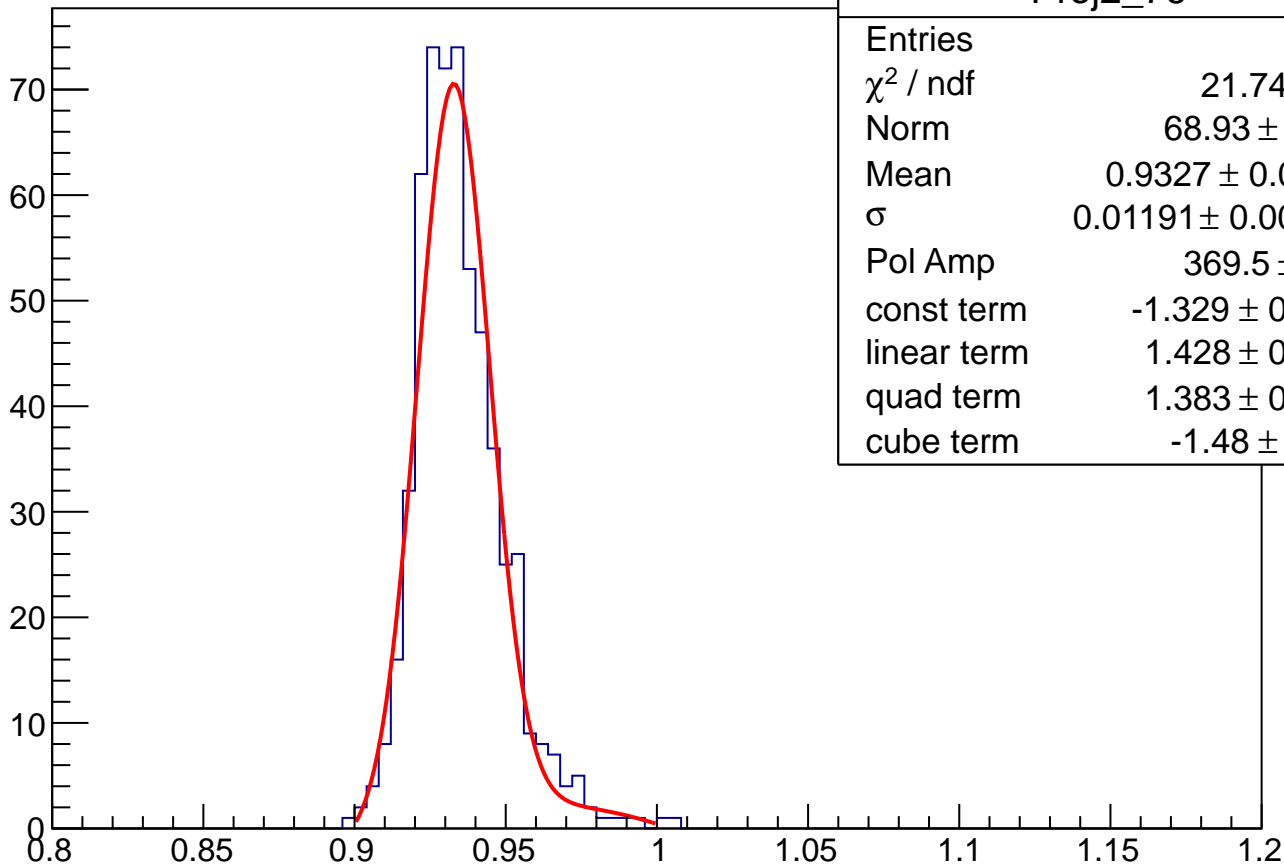
PhiThetaMassPim



Proj2_75

Entries	550
χ^2 / ndf	20.61 / 15
Norm	72.37 ± 4.72
Mean	0.9315 ± 0.0006
σ	0.009354 ± 0.000583
Pol Amp	371.6 ± 1.4
const term	-3.379 ± 0.778
linear term	3.621 ± 0.836
quad term	3.65 ± 0.84
cube term	-3.892 ± 0.902

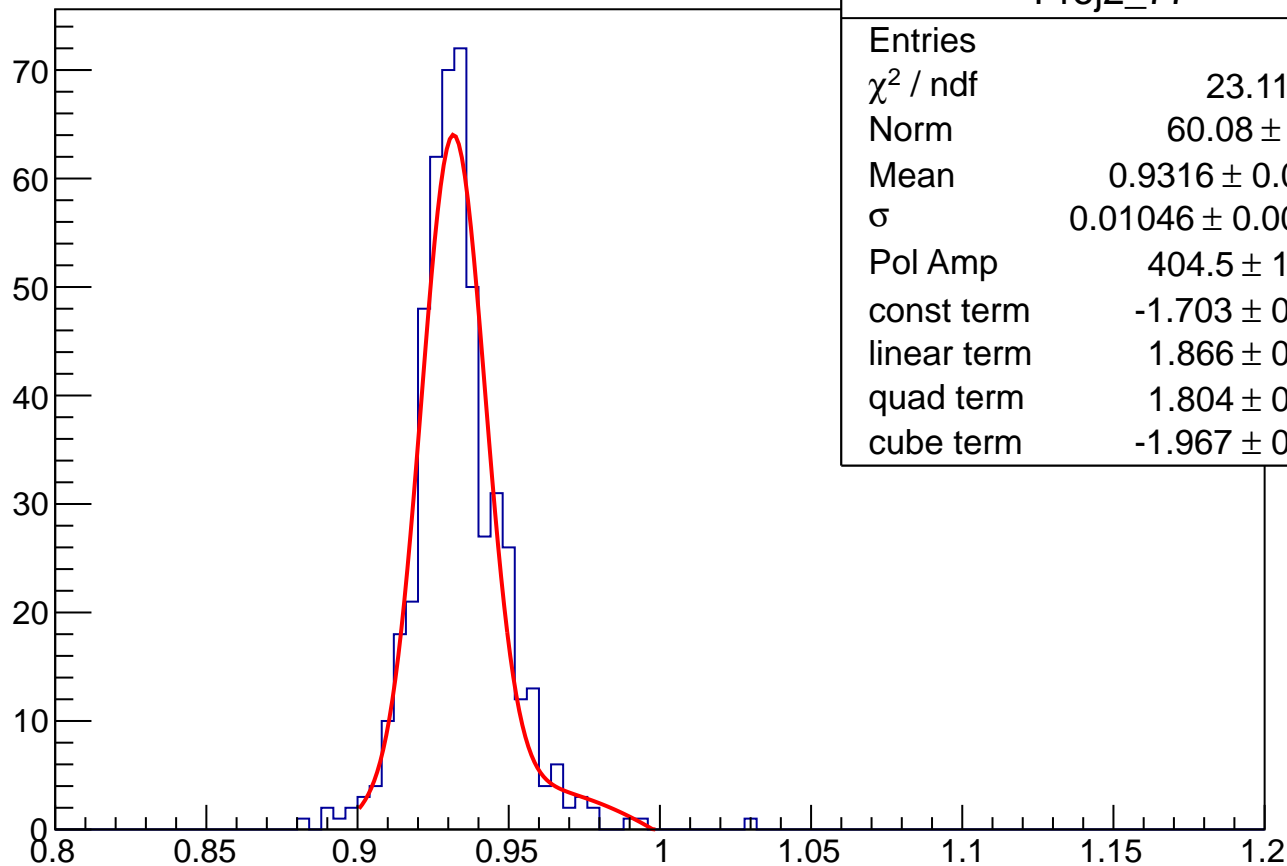
PhiThetaMassPim



Proj2_76

Entries	573
χ^2 / ndf	21.74 / 16
Norm	68.93 ± 4.15
Mean	0.9327 ± 0.0006
σ	0.01191 ± 0.00067
Pol Amp	369.5 ± 0.4
const term	-1.329 ± 0.236
linear term	1.428 ± 0.240
quad term	1.383 ± 0.238
cube term	-1.48 ± 0.24

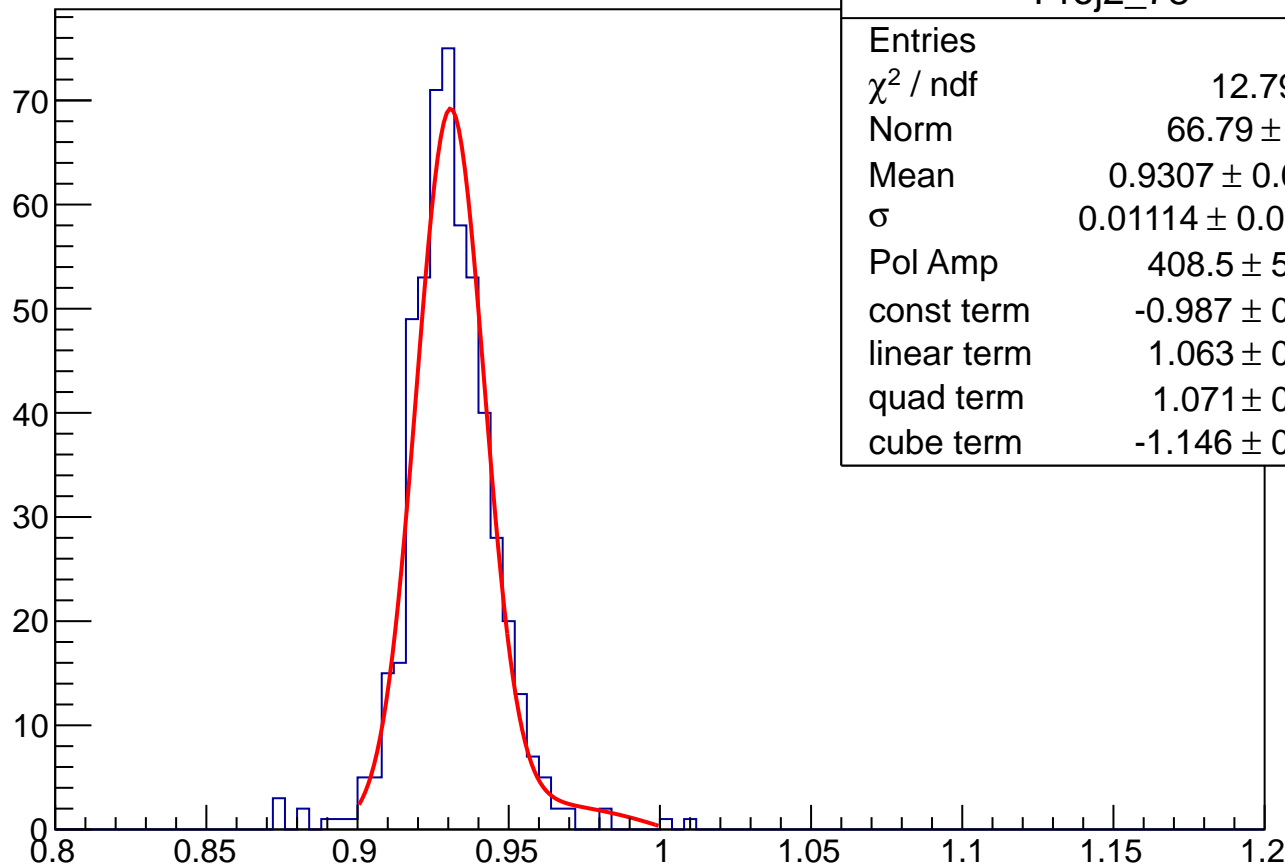
PhiThetaMassPim



Proj2_77

Entries	493
χ^2 / ndf	23.11 / 14
Norm	60.08 ± 4.36
Mean	0.9316 ± 0.0007
σ	0.01046 ± 0.00076
Pol Amp	404.5 ± 178.0
const term	-1.703 ± 0.012
linear term	1.866 ± 0.014
quad term	1.804 ± 0.014
cube term	-1.967 ± 0.013

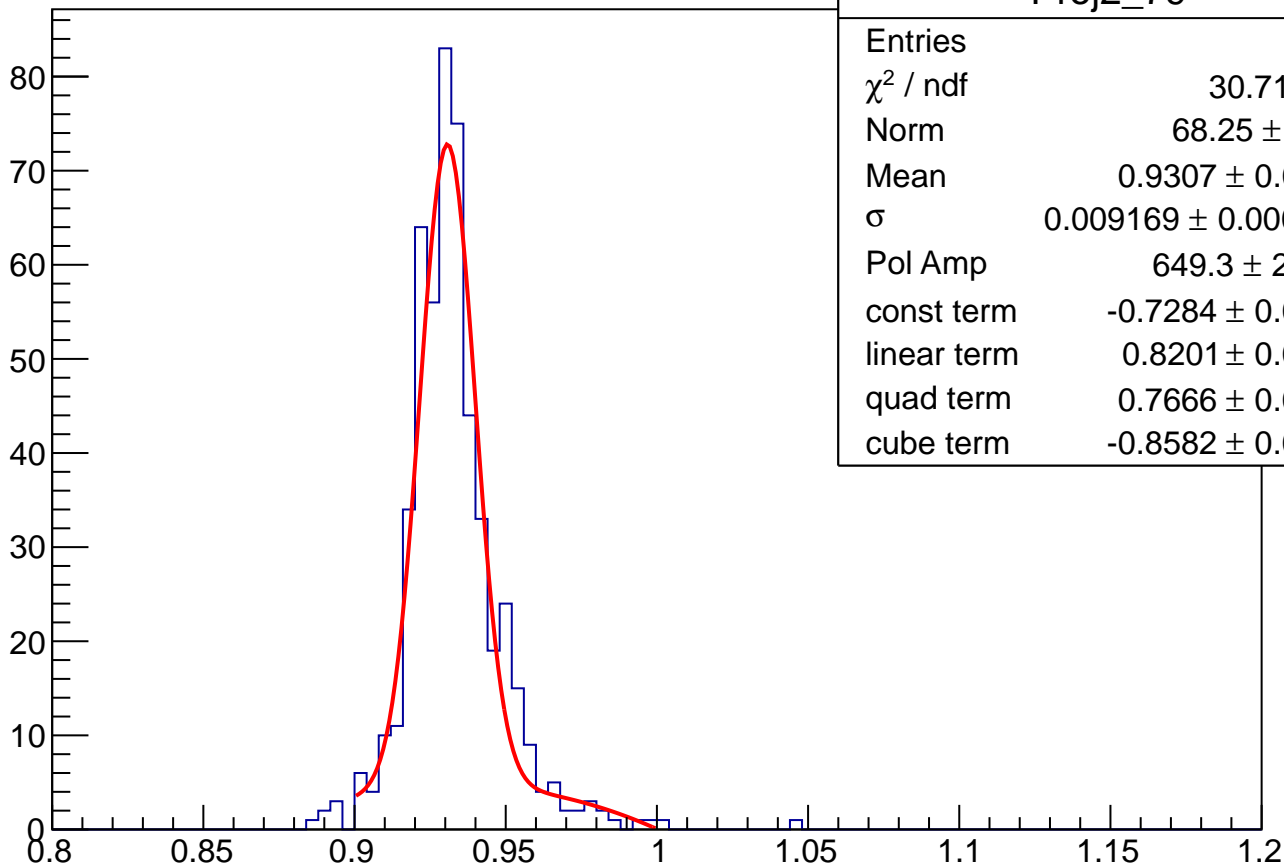
PhiThetaMassPim



Proj2_78

Entries	529
χ^2 / ndf	12.79 / 11
Norm	66.79 ± 4.13
Mean	0.9307 ± 0.0007
σ	0.01114 ± 0.00061
Pol Amp	408.5 ± 563.0
const term	-0.987 ± 0.016
linear term	1.063 ± 0.018
quad term	1.071 ± 0.019
cube term	-1.146 ± 0.019

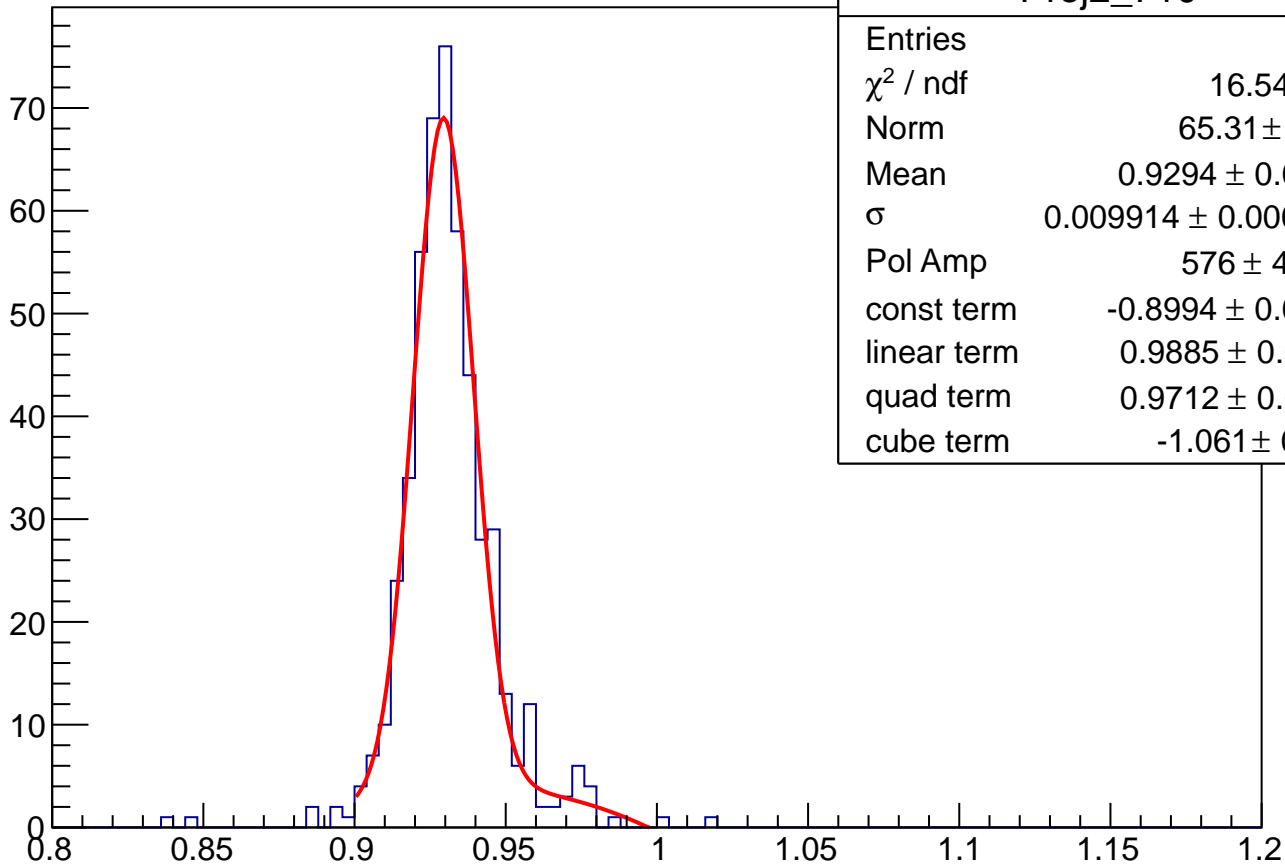
PhiThetaMassPim



Proj2_79

Entries	516
χ^2 / ndf	30.71 / 16
Norm	68.25 ± 4.97
Mean	0.9307 ± 0.0006
σ	0.009169 ± 0.000629
Pol Amp	649.3 ± 247.7
const term	-0.7284 ± 0.0073
linear term	0.8201 ± 0.0077
quad term	0.7666 ± 0.0078
cube term	-0.8582 ± 0.0076

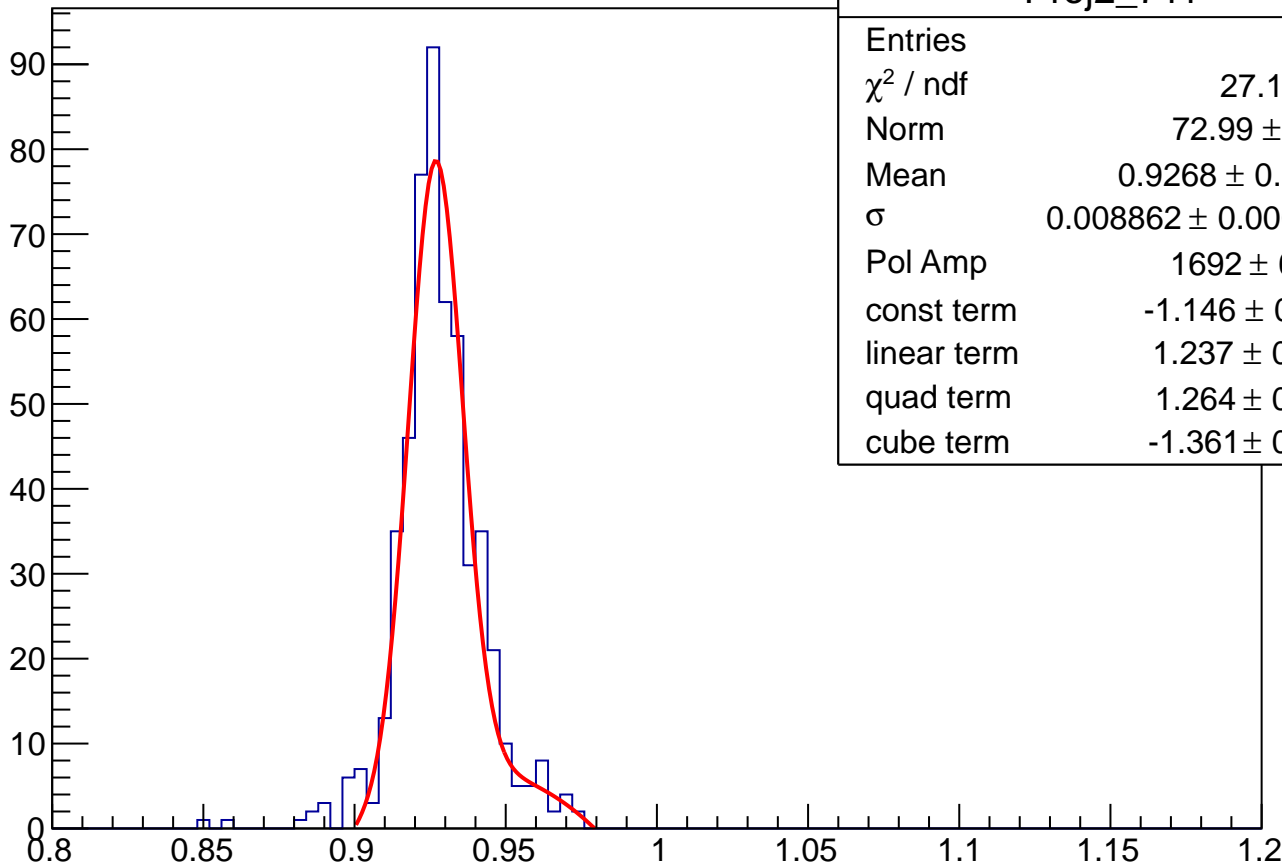
PhiThetaMassPim



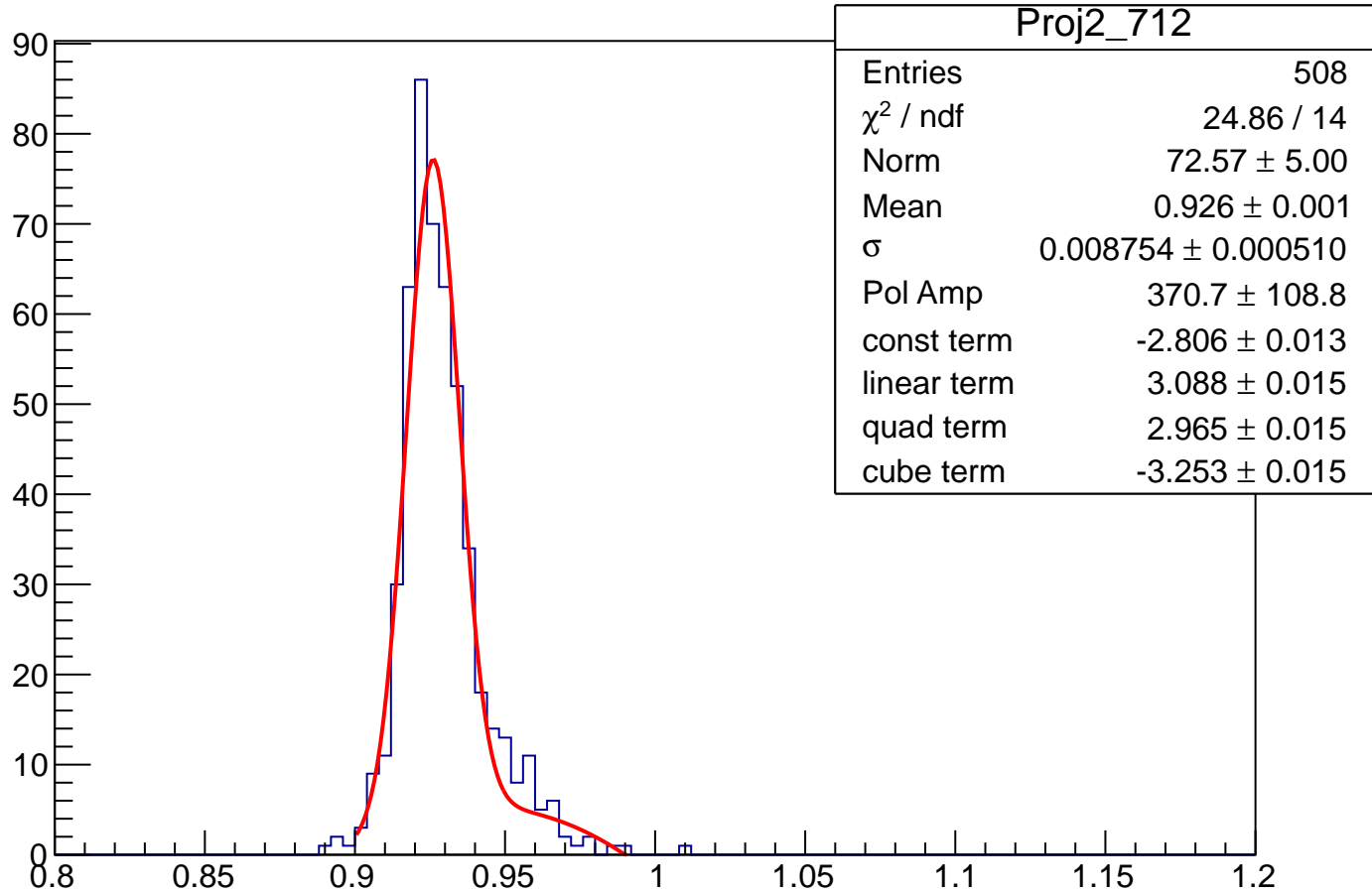
Proj2_710

Entries	497
χ^2 / ndf	16.54 / 13
Norm	65.31 ± 4.38
Mean	0.9294 ± 0.0006
σ	0.009914 ± 0.000599
Pol Amp	576 ± 405.7
const term	-0.8994 ± 0.0100
linear term	0.9885 ± 0.0110
quad term	0.9712 ± 0.0113
cube term	-1.061 ± 0.011

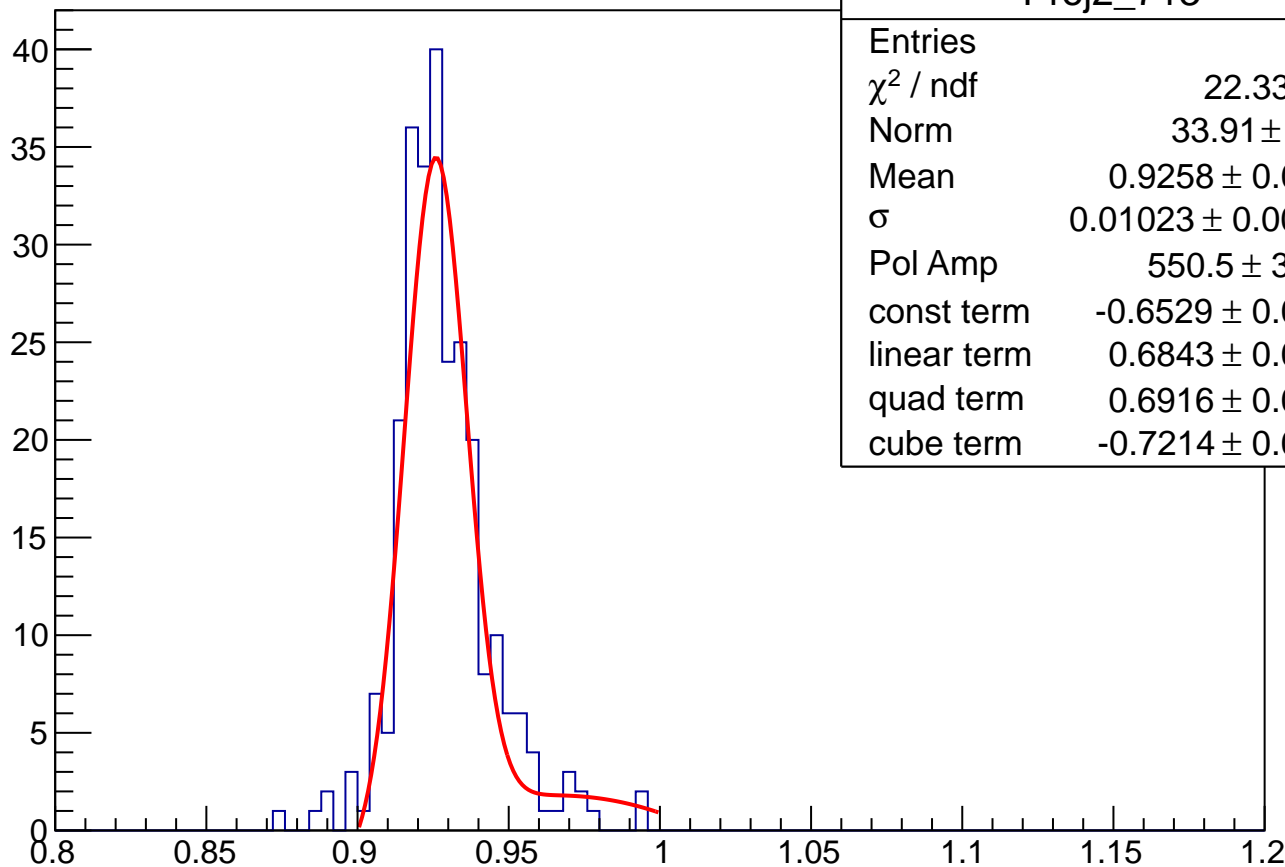
PhiThetaMassPim



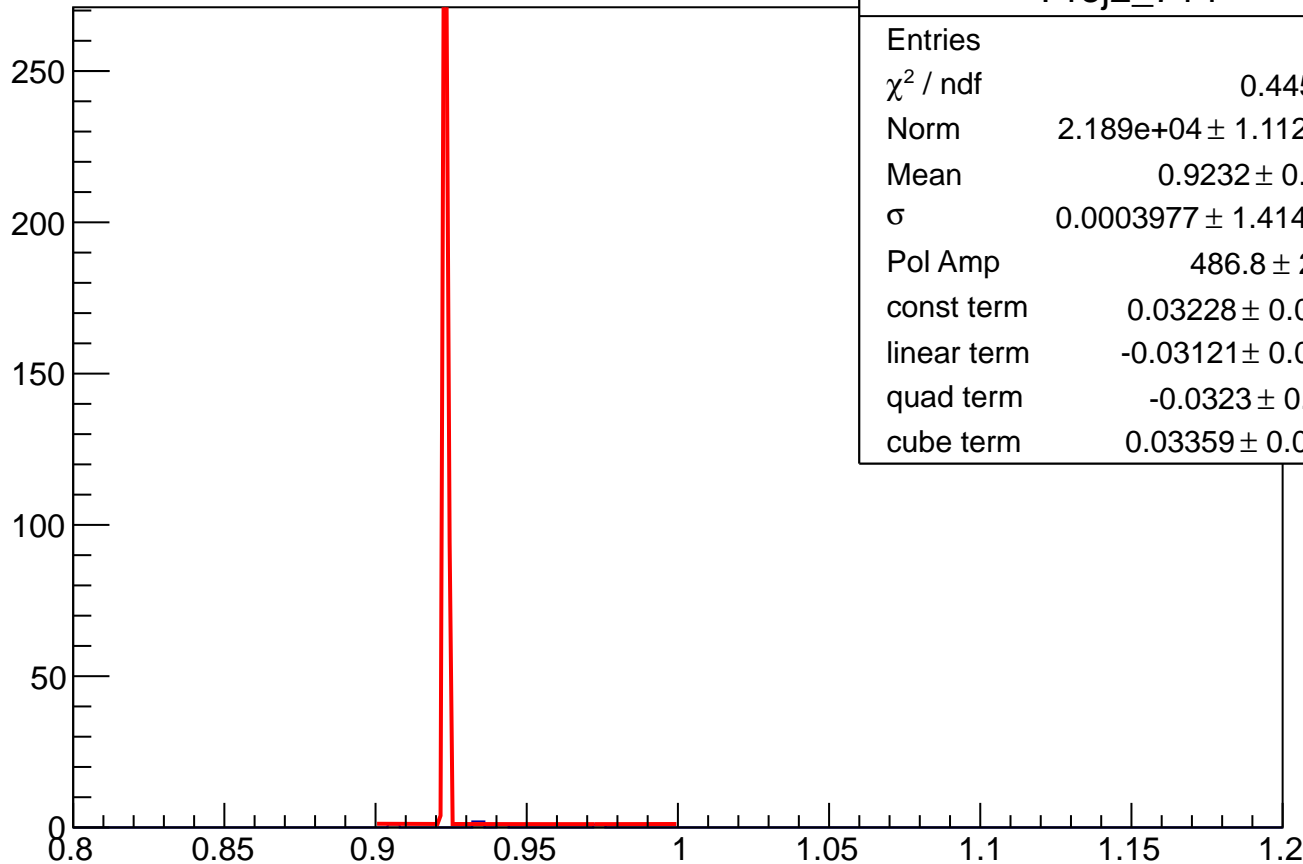
PhiThetaMassPim



PhiThetaMassPim



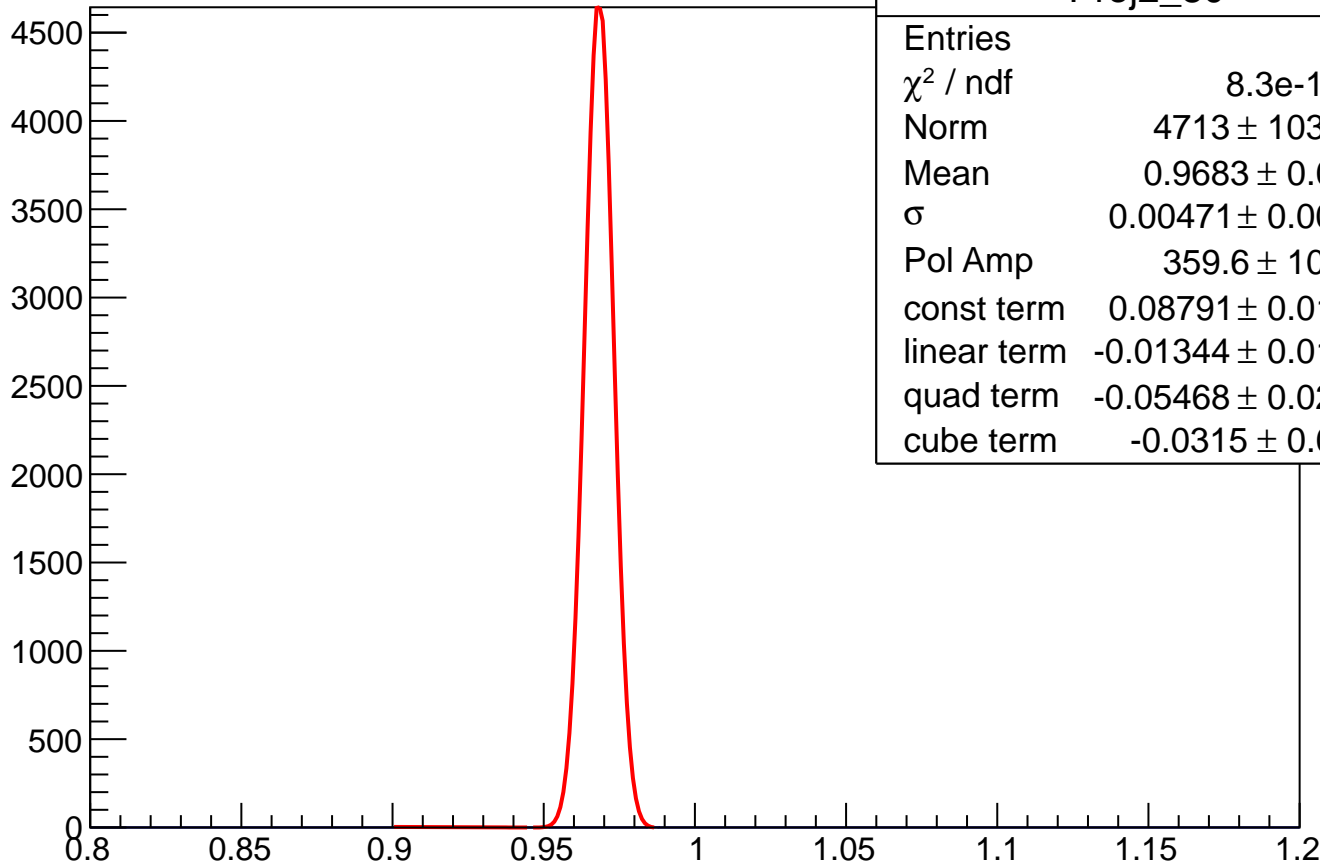
PhiThetaMassPim



Proj2_714

Entries	5
χ^2 / ndf	0.4452 / 0
Norm	$2.189\text{e}+04 \pm 1.112\text{e}+04$
Mean	0.9232 ± 0.0673
σ	0.0003977 ± 1.4142135
Pol Amp	486.8 ± 227.3
const term	0.03228 ± 0.00110
linear term	-0.03121 ± 0.00117
quad term	-0.0323 ± 0.0012
cube term	0.03359 ± 0.00132

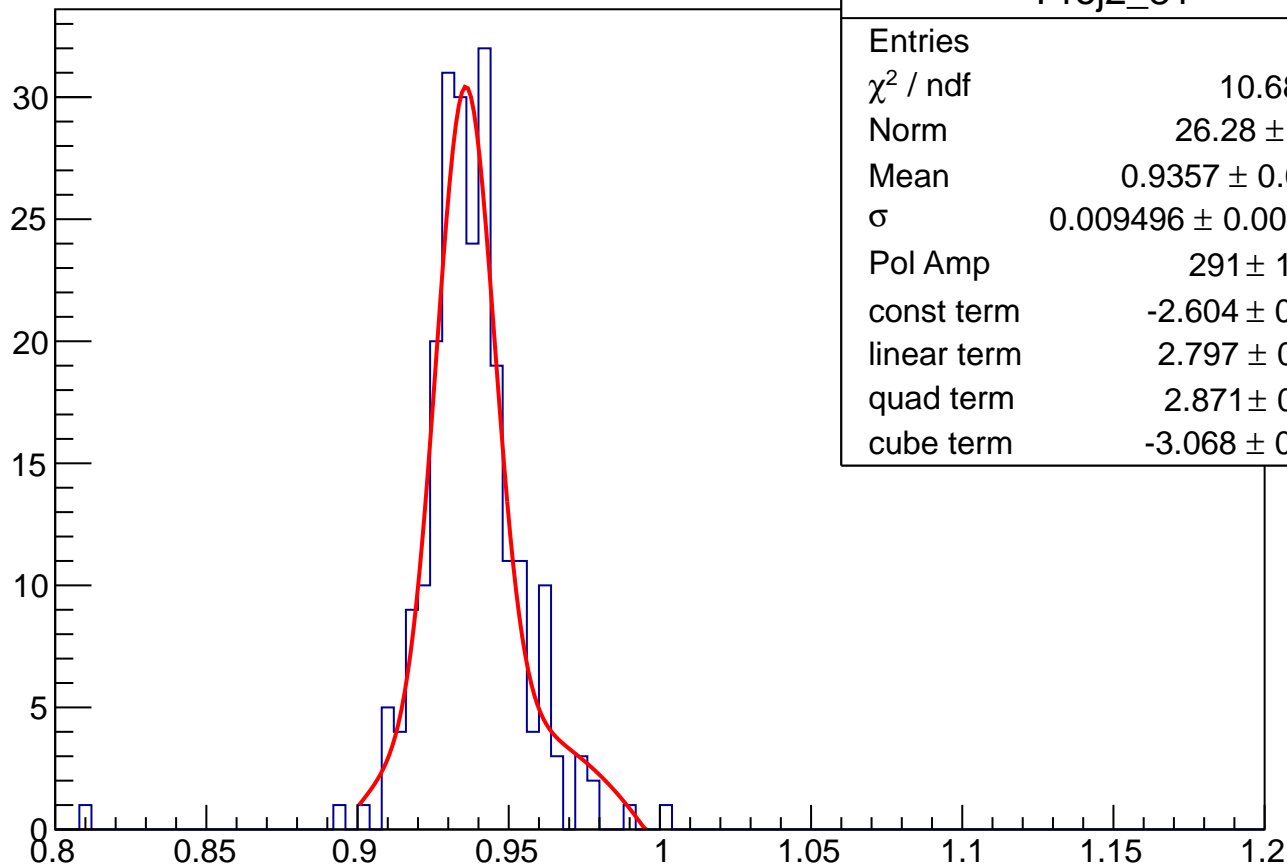
PhiThetaMassPim



Proj2_80

Entries	4
χ^2 / ndf	8.3e-10 / 0
Norm	4713 ± 10315.2
Mean	0.9683 ± 0.0009
σ	0.00471 ± 0.00075
Pol Amp	359.6 ± 1010.3
const term	0.08791 ± 0.01867
linear term	-0.01344 ± 0.01967
quad term	-0.05468 ± 0.02068
cube term	-0.0315 ± 0.0217

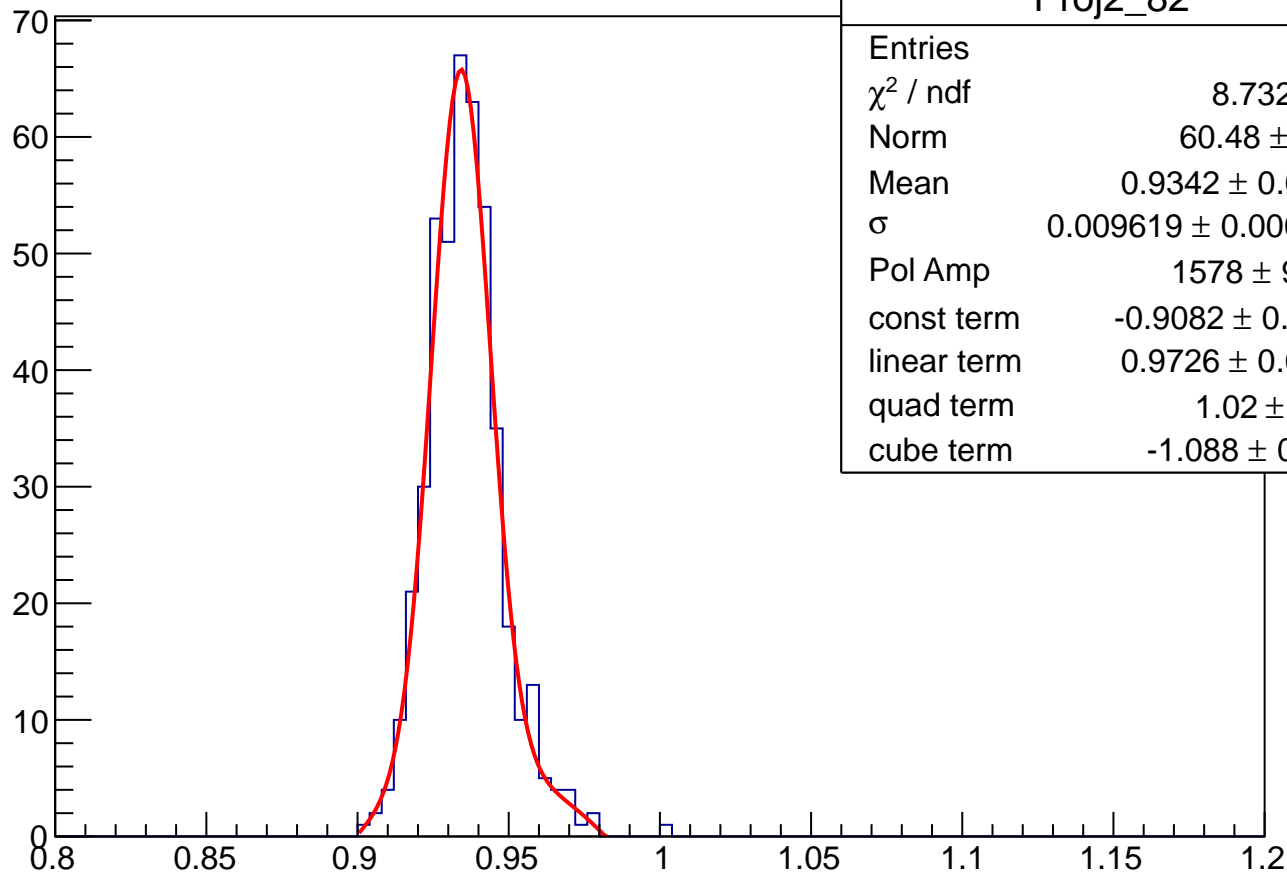
PhiThetaMassPim



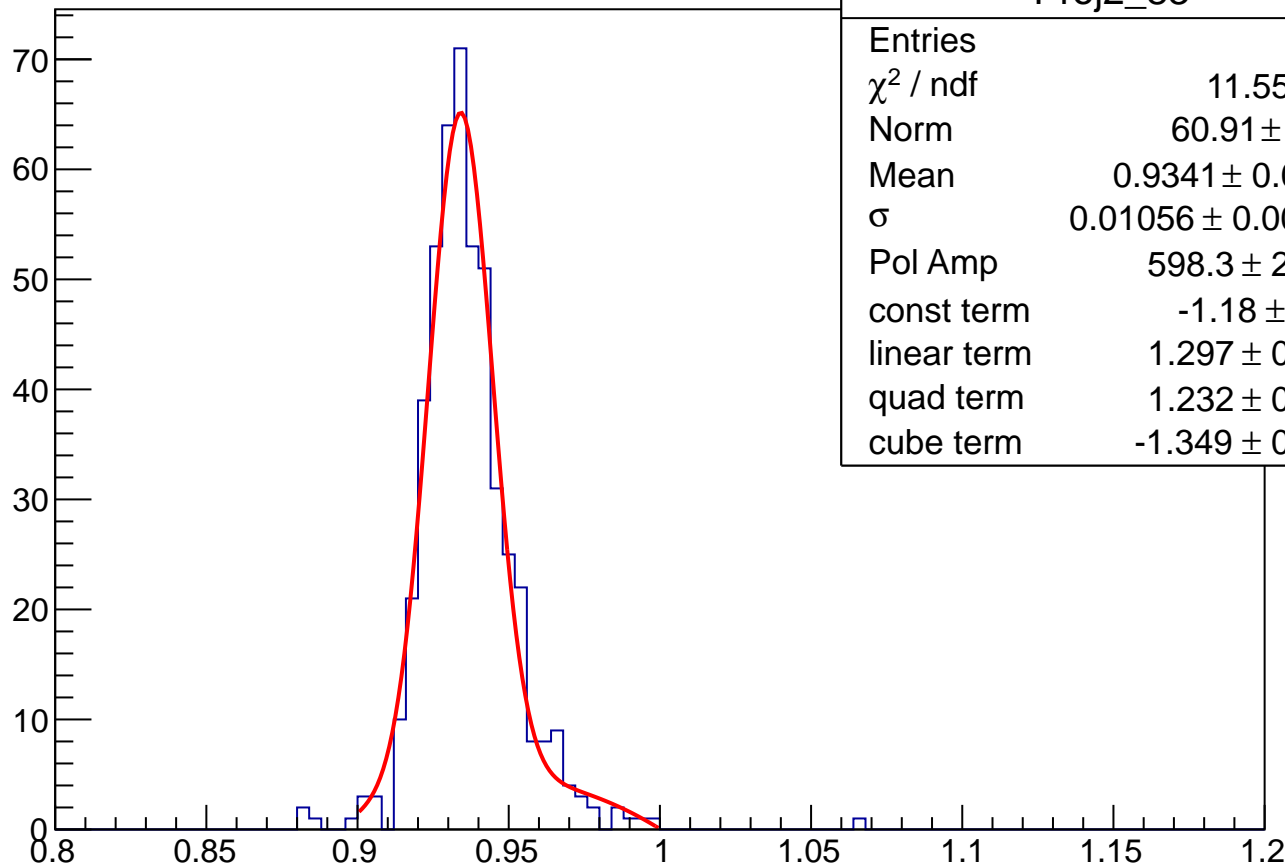
Proj2_81

Entries	234
χ^2 / ndf	10.68 / 11
Norm	26.28 ± 3.09
Mean	0.9357 ± 0.0010
σ	0.009496 ± 0.001125
Pol Amp	291 ± 158.3
const term	-2.604 ± 0.016
linear term	2.797 ± 0.020
quad term	2.871 ± 0.020
cube term	-3.068 ± 0.018

PhiThetaMassPim



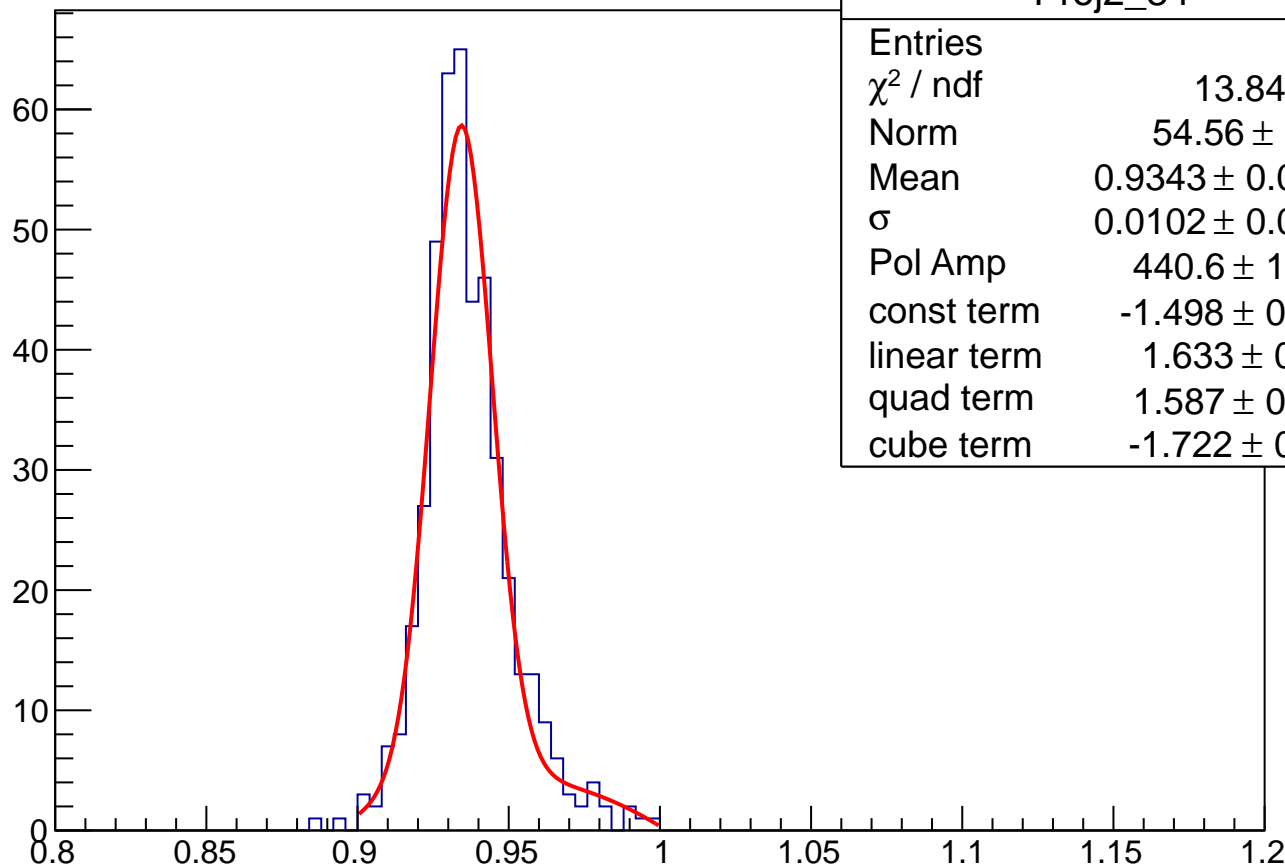
PhiThetaMassPim



Proj2_83

Entries	490
χ^2 / ndf	11.55 / 15
Norm	60.91 ± 4.16
Mean	0.9341 ± 0.0007
σ	0.01056 ± 0.00067
Pol Amp	598.3 ± 246.7
const term	-1.18 ± 0.01
linear term	1.297 ± 0.008
quad term	1.232 ± 0.009
cube term	-1.349 ± 0.008

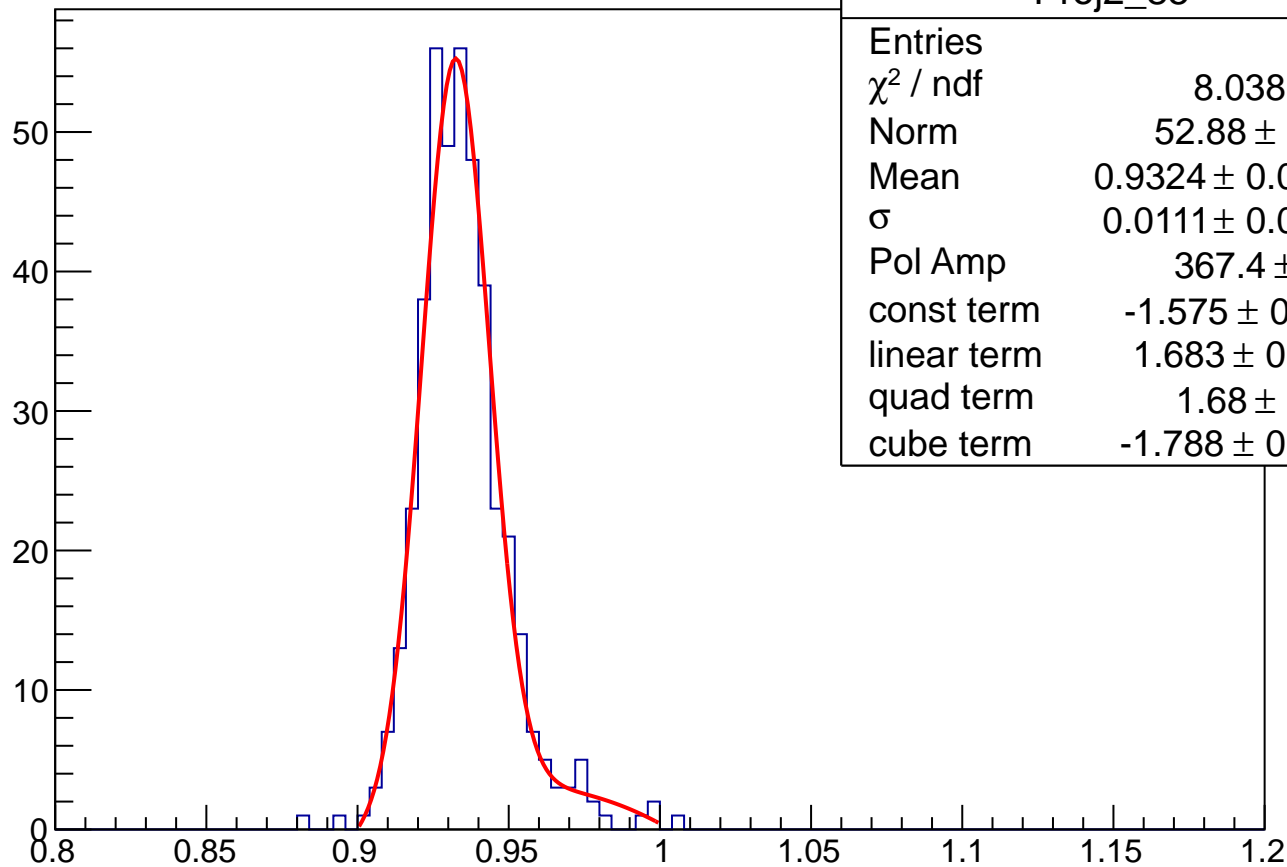
PhiThetaMassPim



Proj2_84

Entries	441
χ^2 / ndf	13.84 / 16
Norm	54.56 ± 4.06
Mean	0.9343 ± 0.0007
σ	0.0102 ± 0.0007
Pol Amp	440.6 ± 182.9
const term	-1.498 ± 0.010
linear term	1.633 ± 0.011
quad term	1.587 ± 0.012
cube term	-1.722 ± 0.011

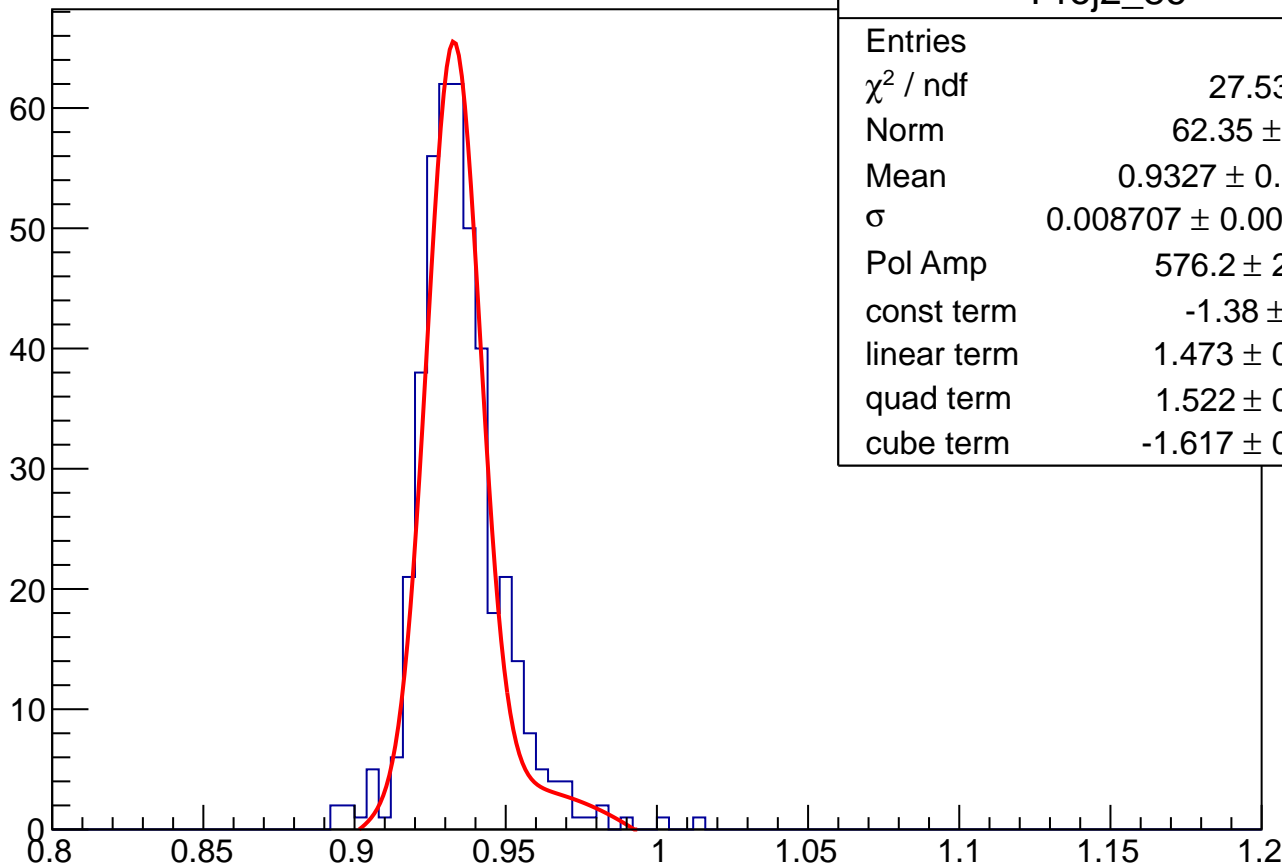
PhiThetaMassPim



Proj2_85

Entries	423
χ^2 / ndf	8.038 / 15
Norm	52.88 ± 3.62
Mean	0.9324 ± 0.0007
σ	0.0111 ± 0.0006
Pol Amp	367.4 ± 0.5
const term	-1.575 ± 0.301
linear term	1.683 ± 0.315
quad term	1.68 ± 0.32
cube term	-1.788 ± 0.332

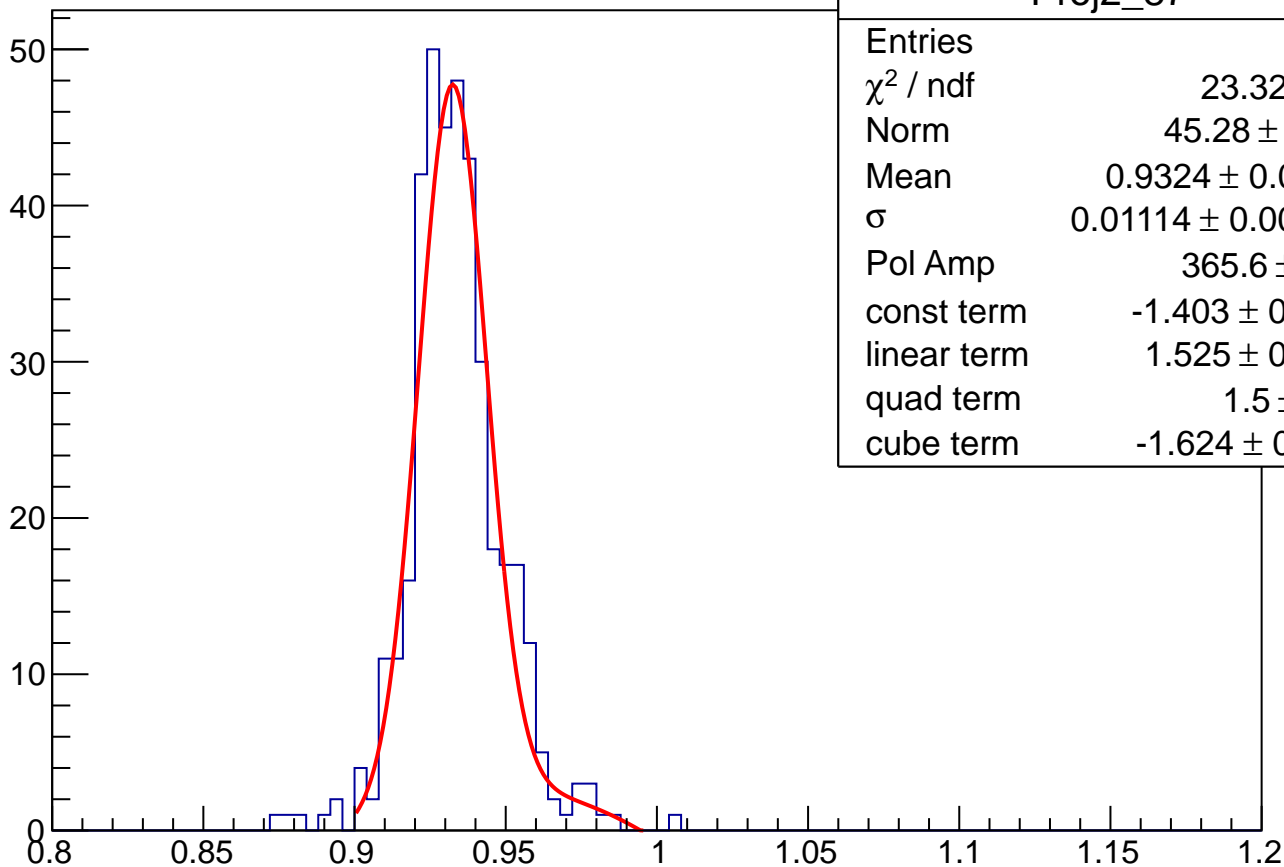
PhiThetaMassPim



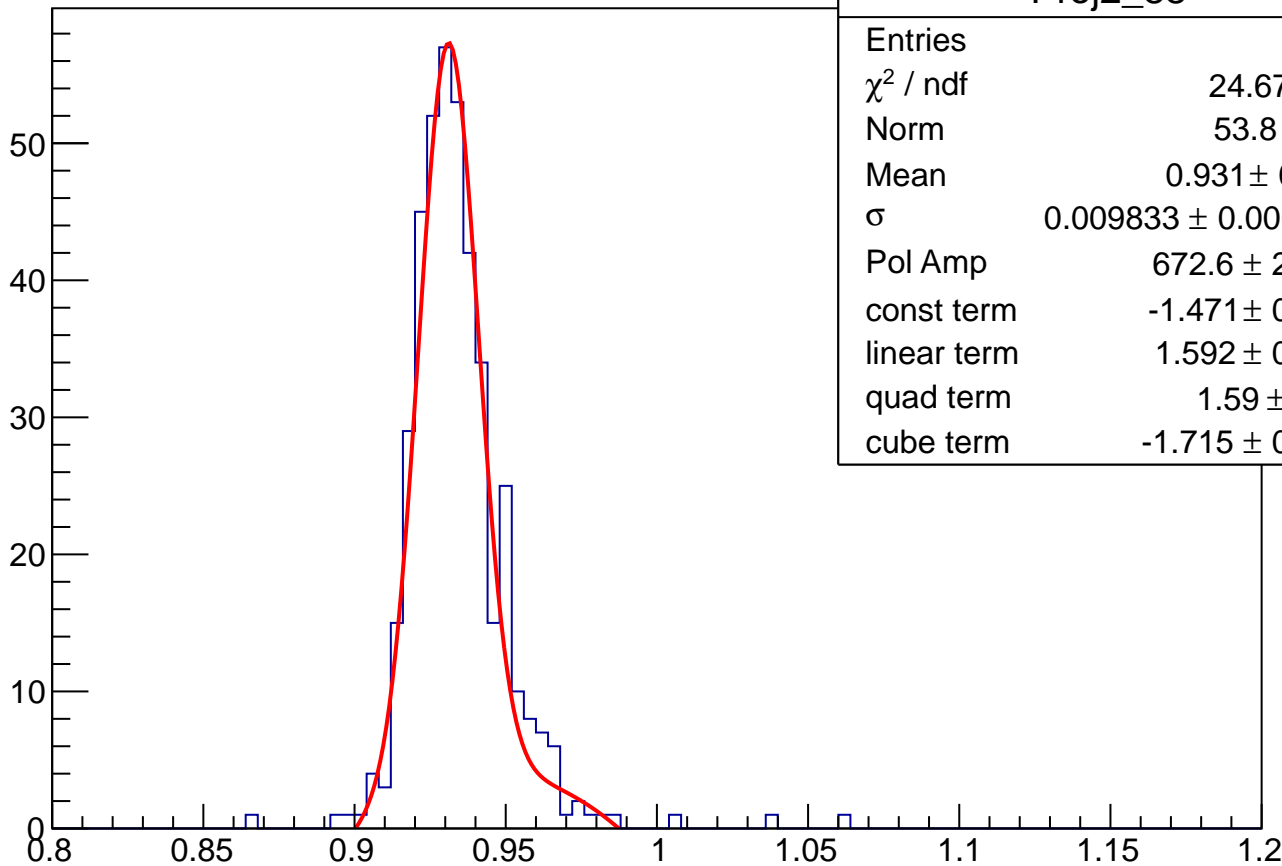
Proj2_86

Entries	427
χ^2 / ndf	27.53 / 14
Norm	62.35 ± 4.49
Mean	0.9327 ± 0.0006
σ	0.008707 ± 0.000502
Pol Amp	576.2 ± 237.5
const term	-1.38 ± 0.01
linear term	1.473 ± 0.008
quad term	1.522 ± 0.009
cube term	-1.617 ± 0.008

PhiThetaMassPim



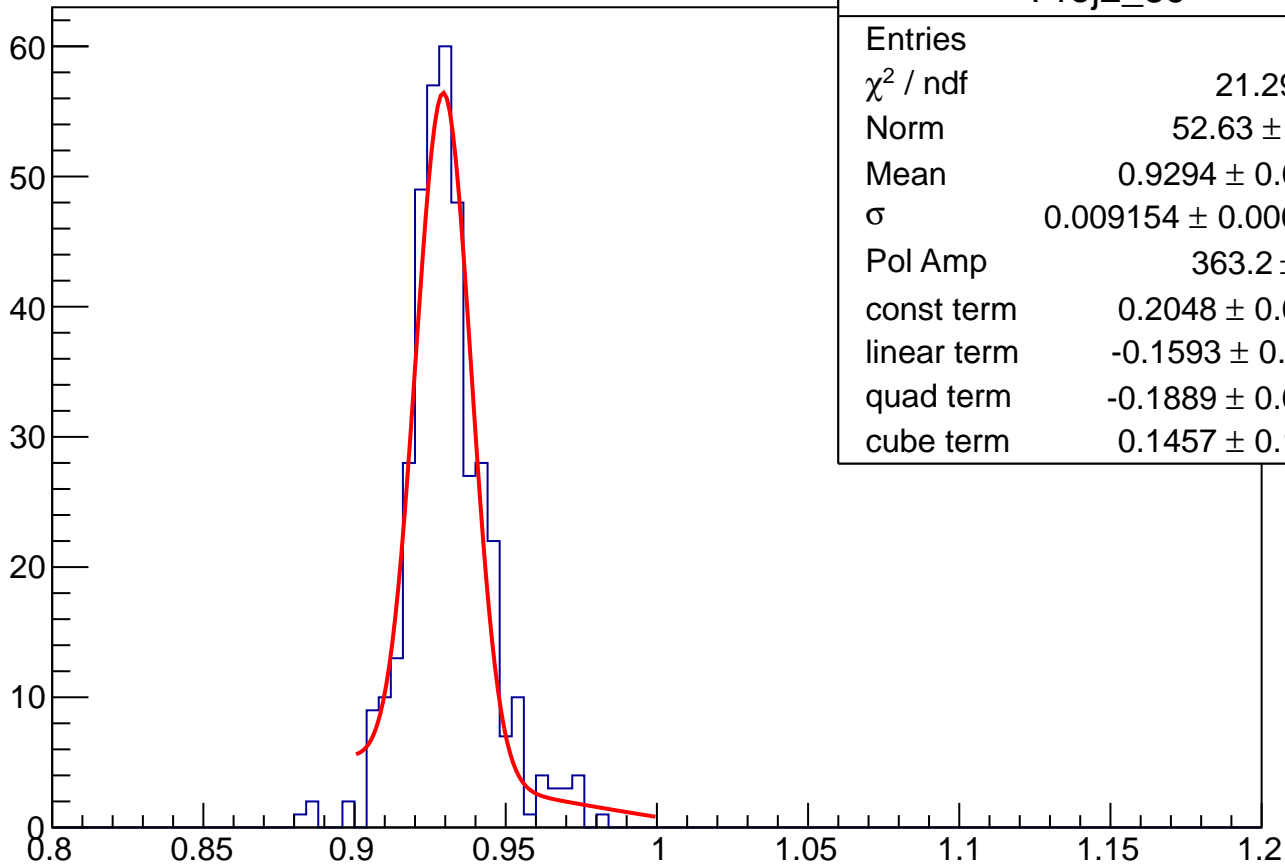
PhiThetaMassPim



Proj2_88

Entries	418
χ^2 / ndf	24.67 / 14
Norm	53.8 ± 4.1
Mean	0.931 ± 0.001
σ	0.009833 ± 0.000634
Pol Amp	672.6 ± 263.6
const term	-1.471 ± 0.006
linear term	1.592 ± 0.007
quad term	1.59 ± 0.01
cube term	-1.715 ± 0.007

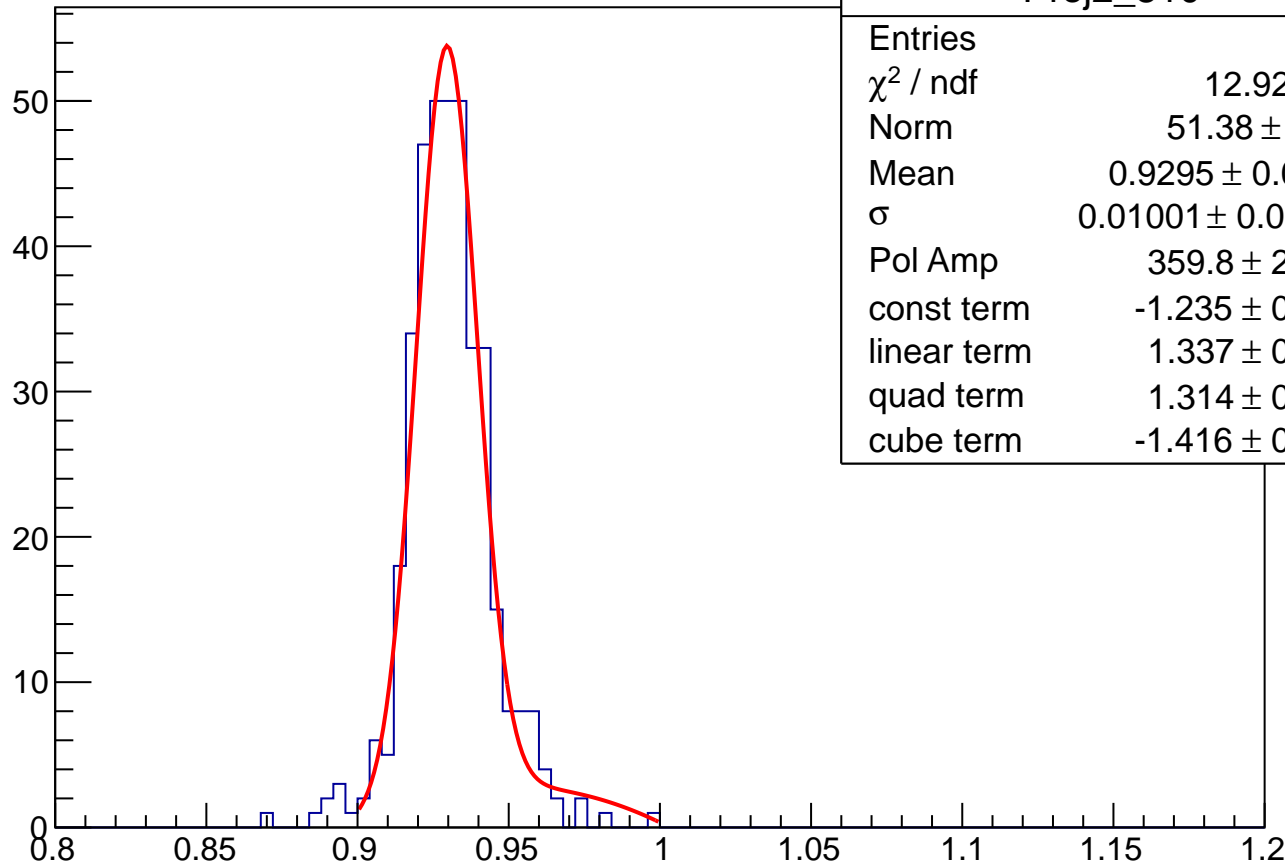
PhiThetaMassPim



Proj2_89

Entries	389
χ^2 / ndf	21.29 / 11
Norm	52.63 ± 4.20
Mean	0.9294 ± 0.0006
σ	0.009154 ± 0.000810
Pol Amp	363.2 ± 1.3
const term	0.2048 ± 0.0736
linear term	-0.1593 ± 0.1061
quad term	-0.1889 ± 0.0913
cube term	0.1457 ± 0.1337

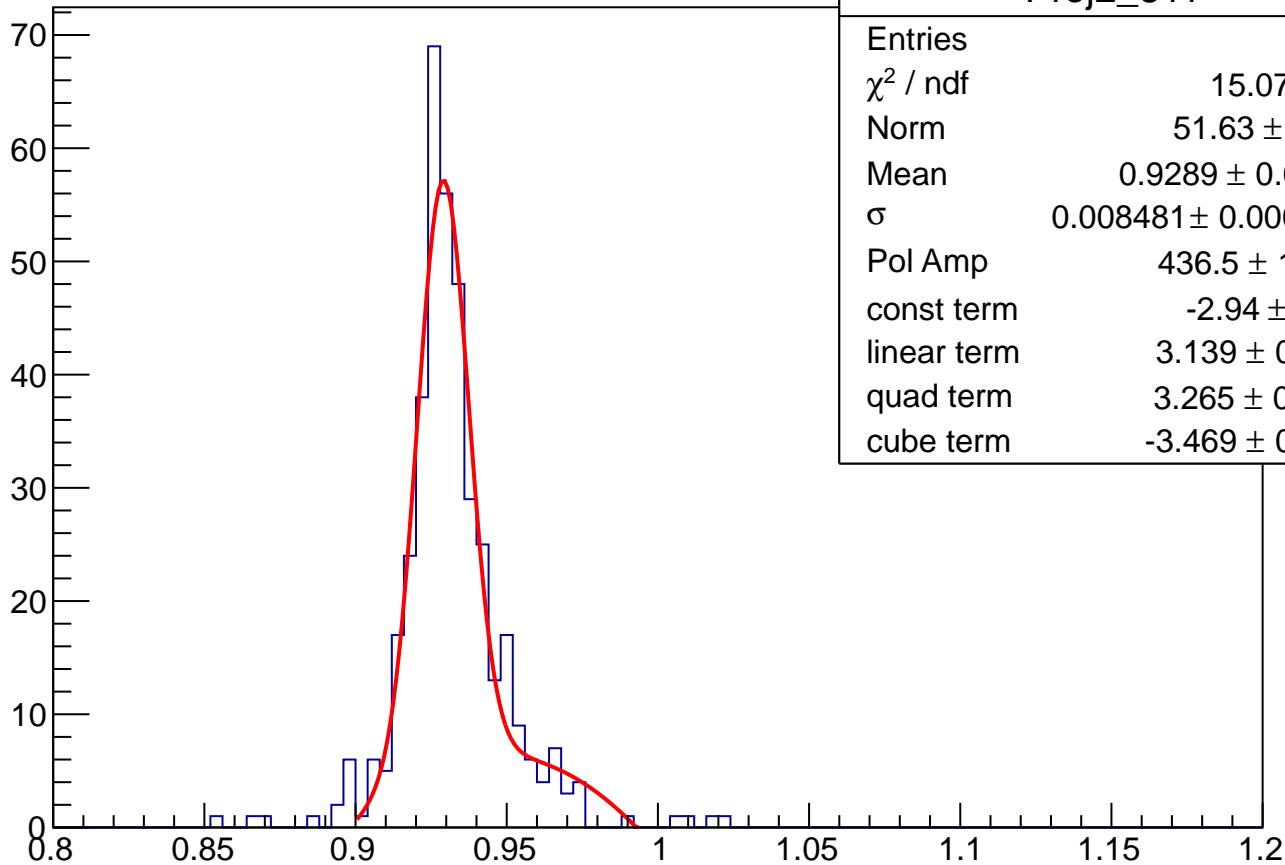
PhiThetaMassPim



Proj2_810

Entries	385
χ^2 / ndf	12.92 / 12
Norm	51.38 ± 3.78
Mean	0.9295 ± 0.0007
σ	0.01001 ± 0.00061
Pol Amp	359.8 ± 207.6
const term	-1.235 ± 0.014
linear term	1.337 ± 0.016
quad term	1.314 ± 0.016
cube term	-1.416 ± 0.015

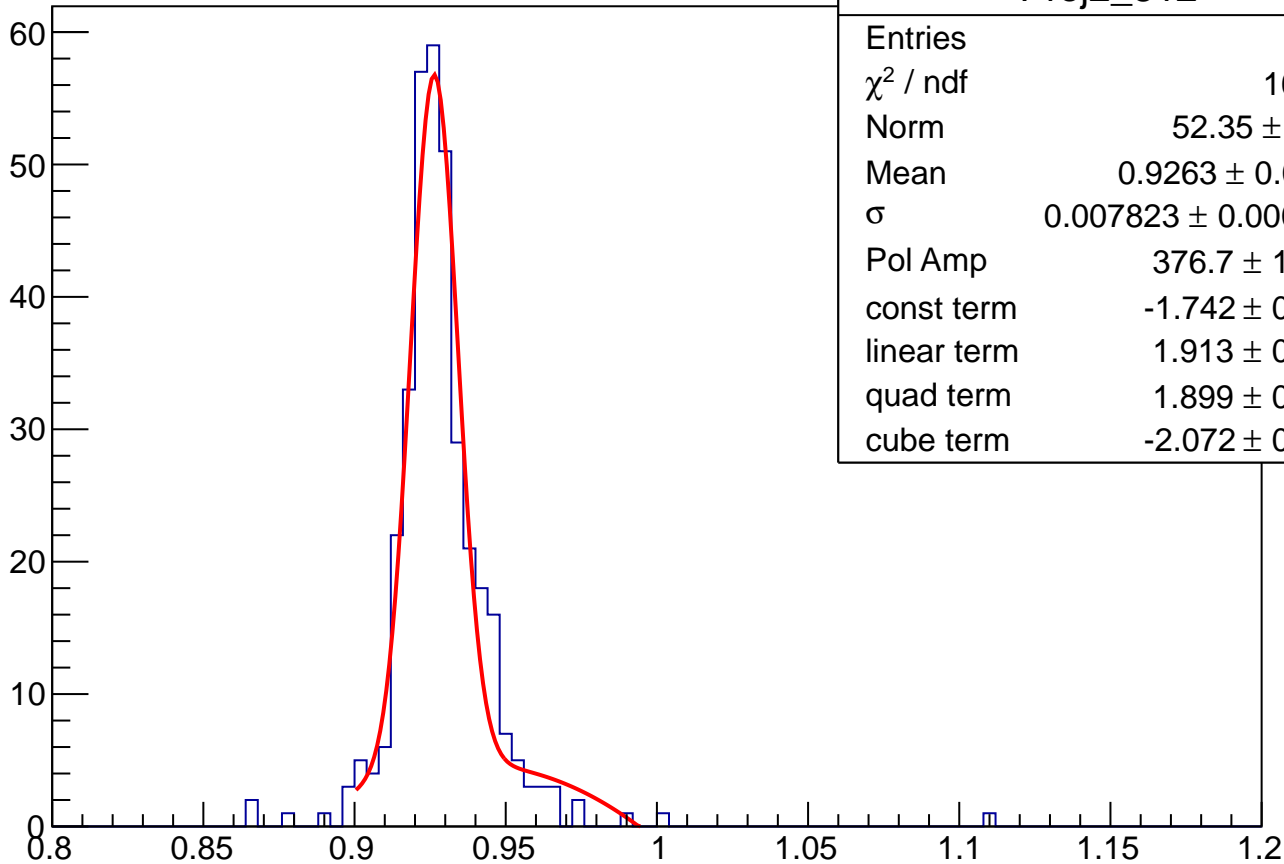
PhiThetaMassPim



Proj2_811

Entries	398
χ^2 / ndf	15.07 / 12
Norm	51.63 ± 4.54
Mean	0.9289 ± 0.0007
σ	0.008481 ± 0.000708
Pol Amp	436.5 ± 113.0
const term	-2.94 ± 0.01
linear term	3.139 ± 0.014
quad term	3.265 ± 0.015
cube term	-3.469 ± 0.014

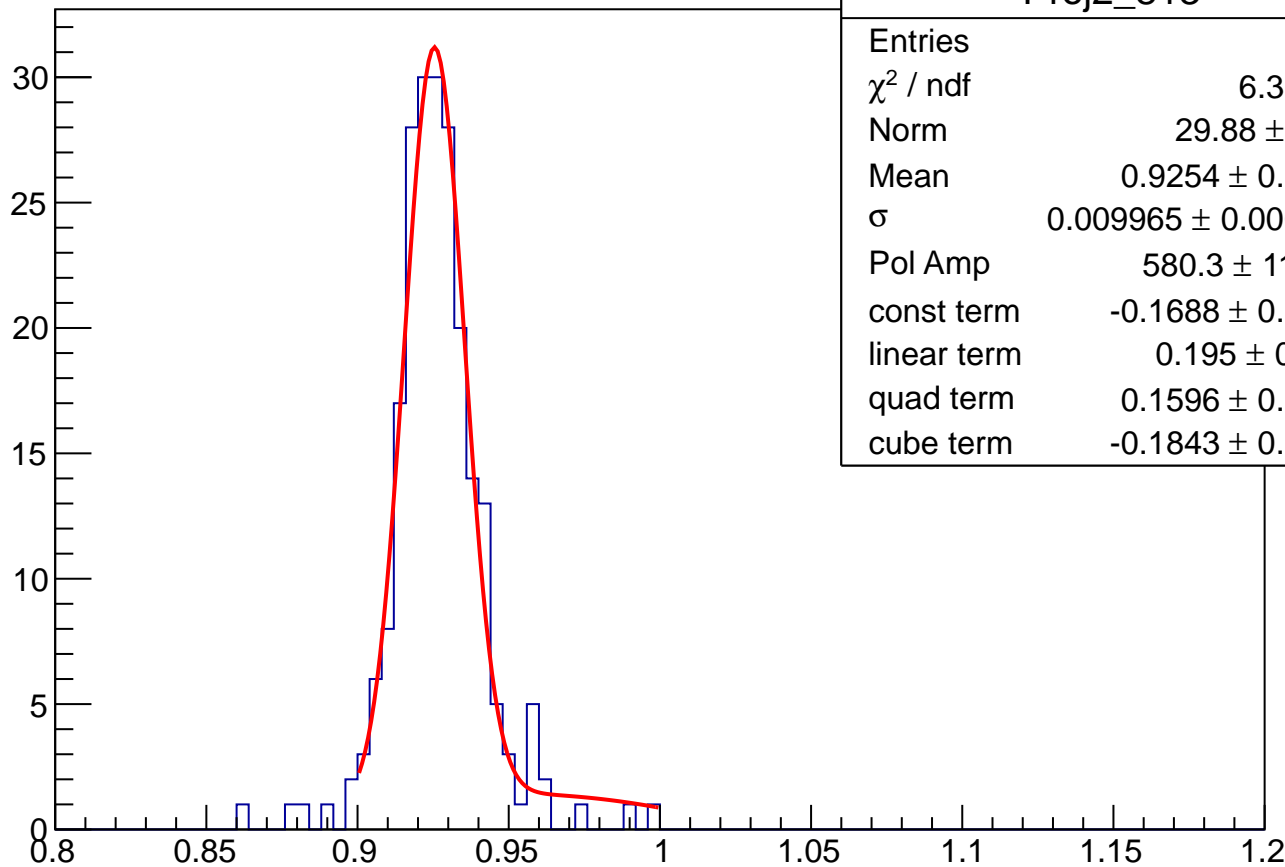
PhiThetaMassPim



Proj2_812

Entries	354
χ^2 / ndf	16 / 11
Norm	52.35 ± 4.83
Mean	0.9263 ± 0.0007
σ	0.007823 ± 0.000705
Pol Amp	376.7 ± 153.7
const term	-1.742 ± 0.015
linear term	1.913 ± 0.017
quad term	1.899 ± 0.018
cube term	-2.072 ± 0.017

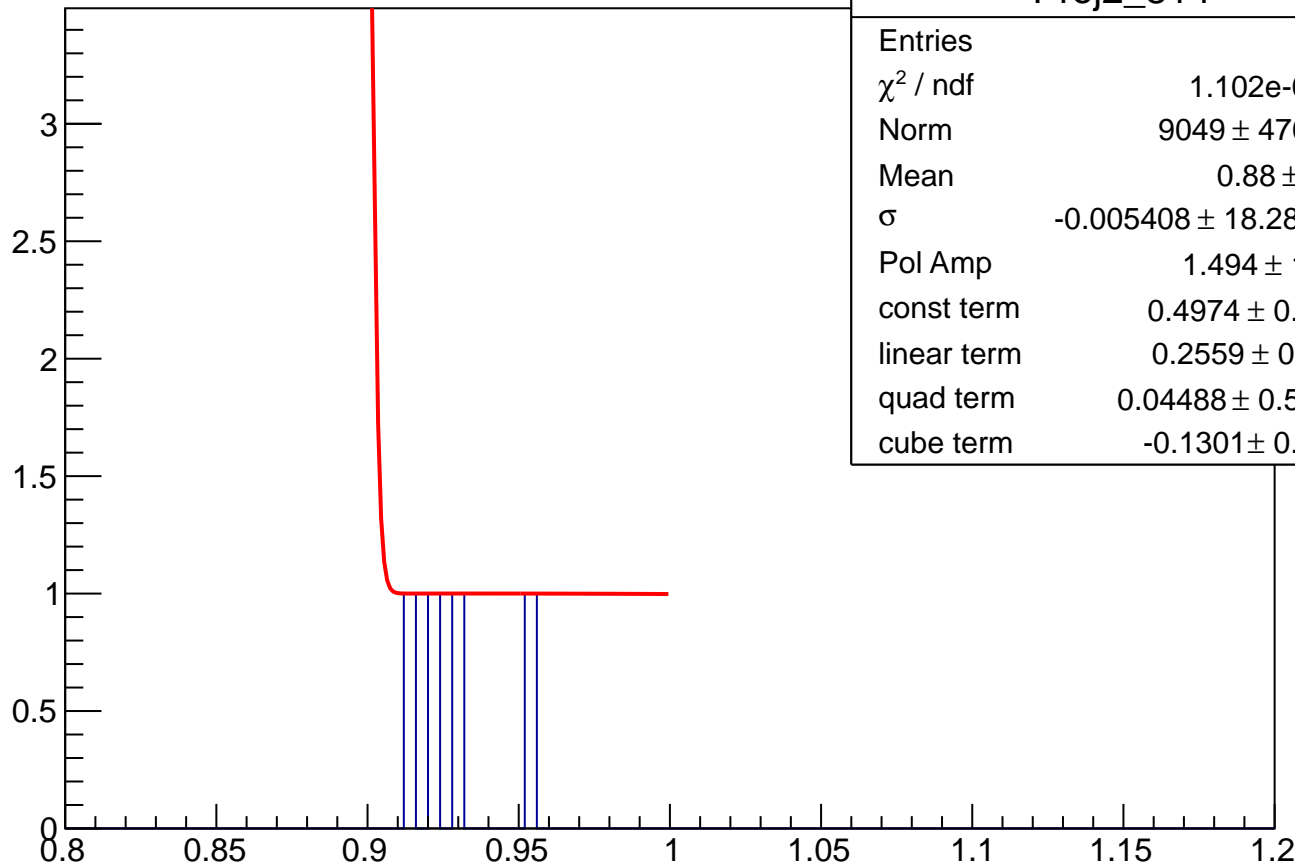
PhiThetaMassPim



Proj2_813

Entries	222
χ^2 / ndf	6.31 / 11
Norm	29.88 ± 2.86
Mean	0.9254 ± 0.0009
σ	0.009965 ± 0.000830
Pol Amp	580.3 ± 1116.6
const term	-0.1688 ± 0.0080
linear term	0.195 ± 0.008
quad term	0.1596 ± 0.0086
cube term	-0.1843 ± 0.0084

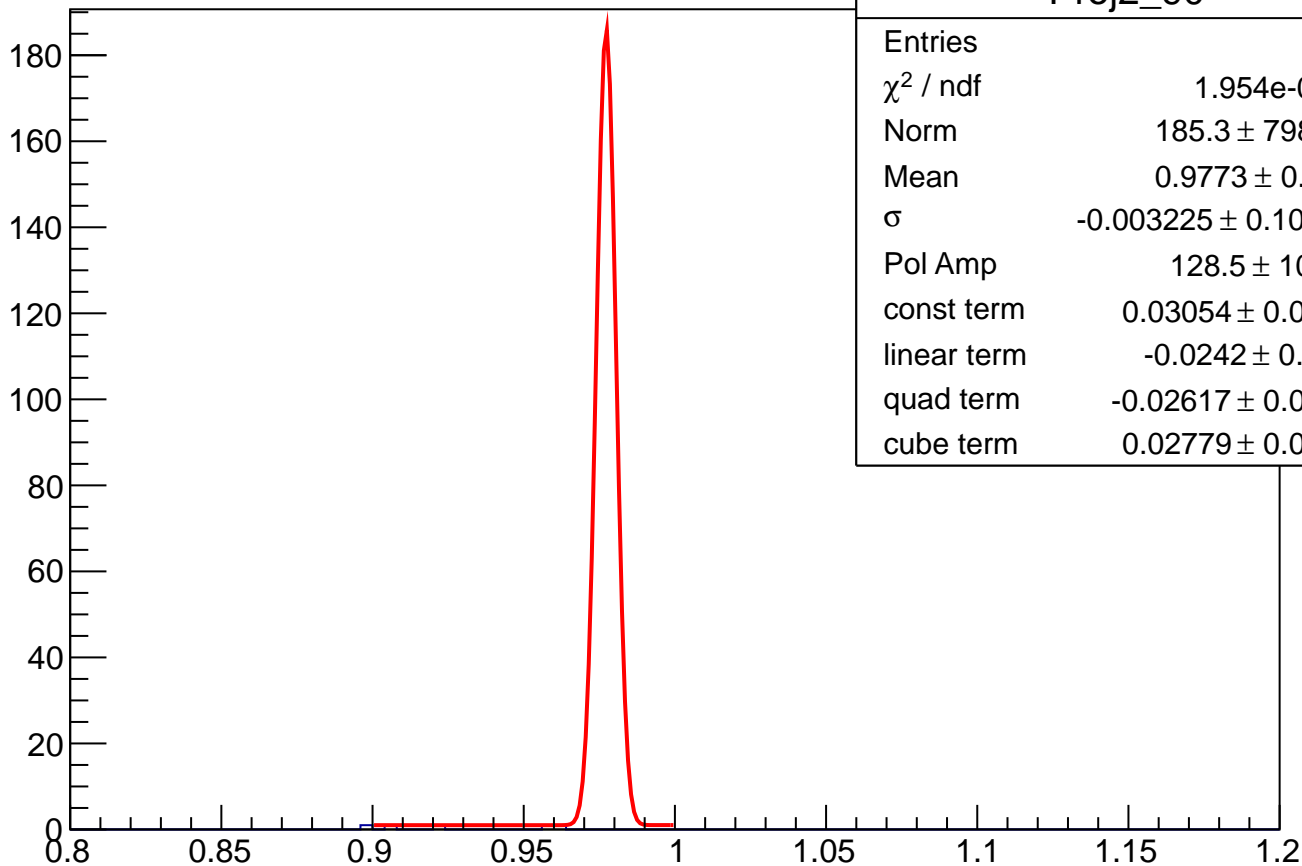
PhiThetaMassPim



Proj2_814

Entries	4
χ^2 / ndf	$1.102\text{e-}07 / 0$
Norm	9049 ± 47069.6
Mean	0.88 ± 0.05
σ	-0.005408 ± 18.289064
Pol Amp	1.494 ± 1.122
const term	0.4974 ± 0.5028
linear term	0.2559 ± 0.5291
quad term	0.04488 ± 0.55816
cube term	-0.1301 ± 0.5905

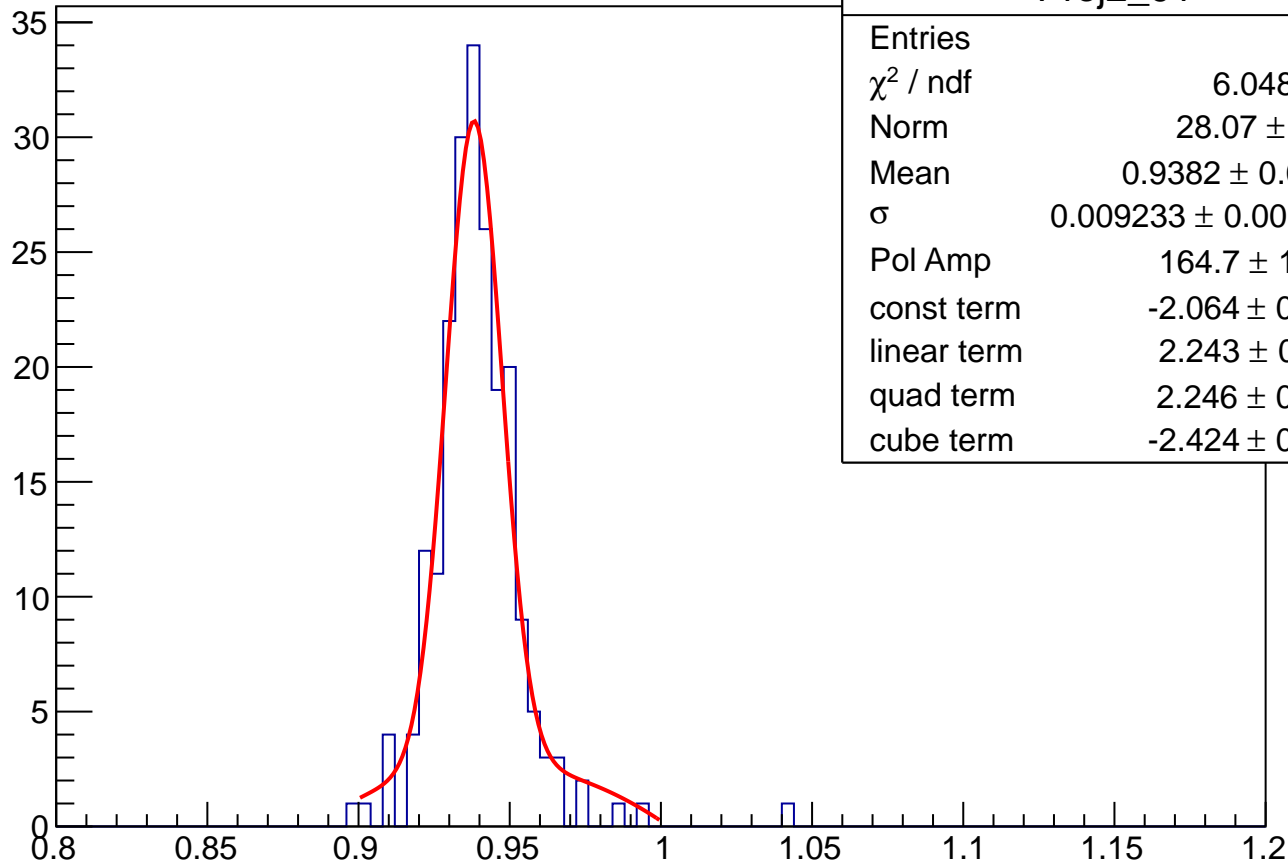
PhiThetaMassPim



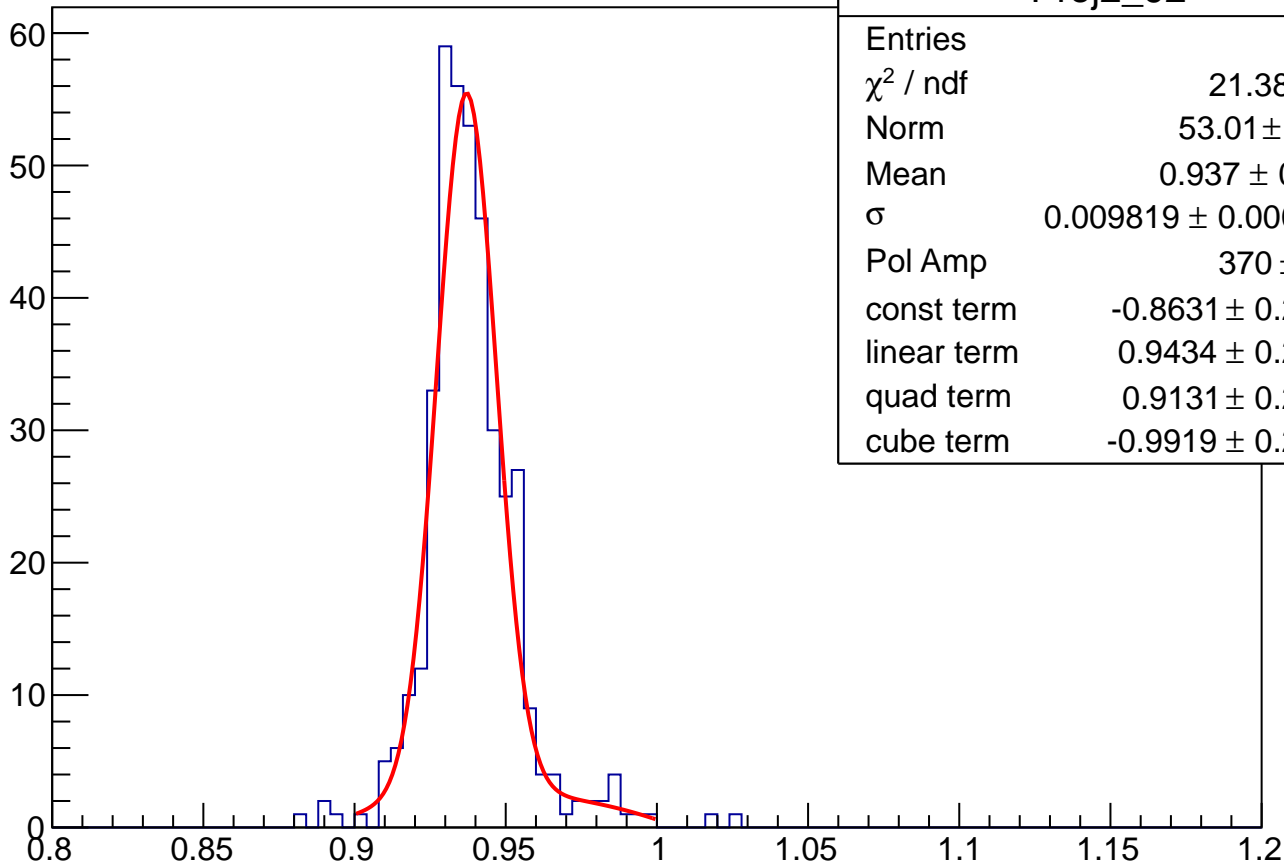
Proj2_90

Entries	5
χ^2 / ndf	1.954e-05 / 0
Norm	185.3 ± 79858.2
Mean	0.9773 ± 0.0502
σ	-0.003225 ± 0.105339
Pol Amp	128.5 ± 1040.6
const term	0.03054 ± 0.04200
linear term	-0.0242 ± 0.0468
quad term	-0.02617 ± 0.04876
cube term	0.02779 ± 0.04718

PhiThetaMassPim



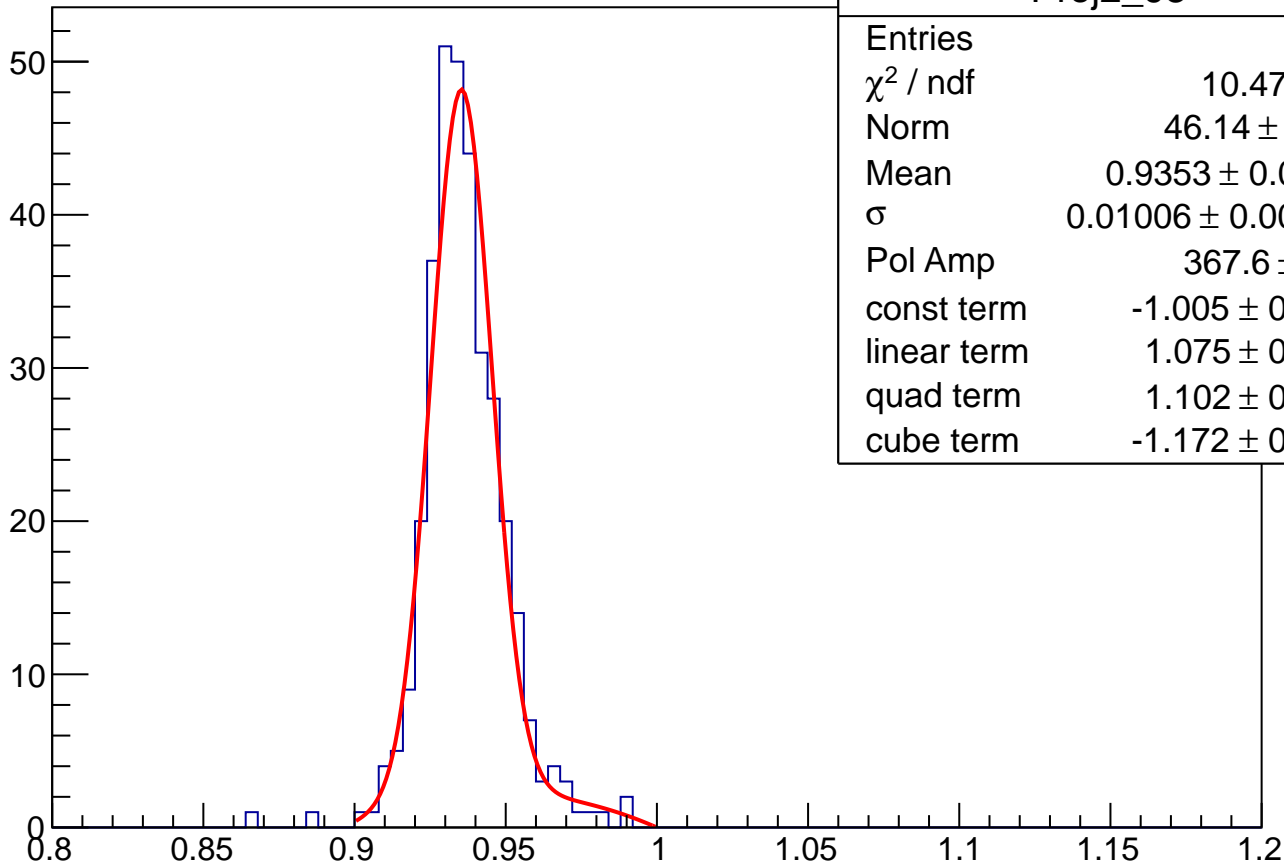
PhiThetaMassPim



Proj2_92

Entries	400
χ^2 / ndf	21.38 / 16
Norm	53.01 ± 3.92
Mean	0.937 ± 0.001
σ	0.009819 ± 0.000476
Pol Amp	370 ± 0.4
const term	-0.8631 ± 0.2318
linear term	0.9434 ± 0.2476
quad term	0.9131 ± 0.2419
cube term	-0.9919 ± 0.2587

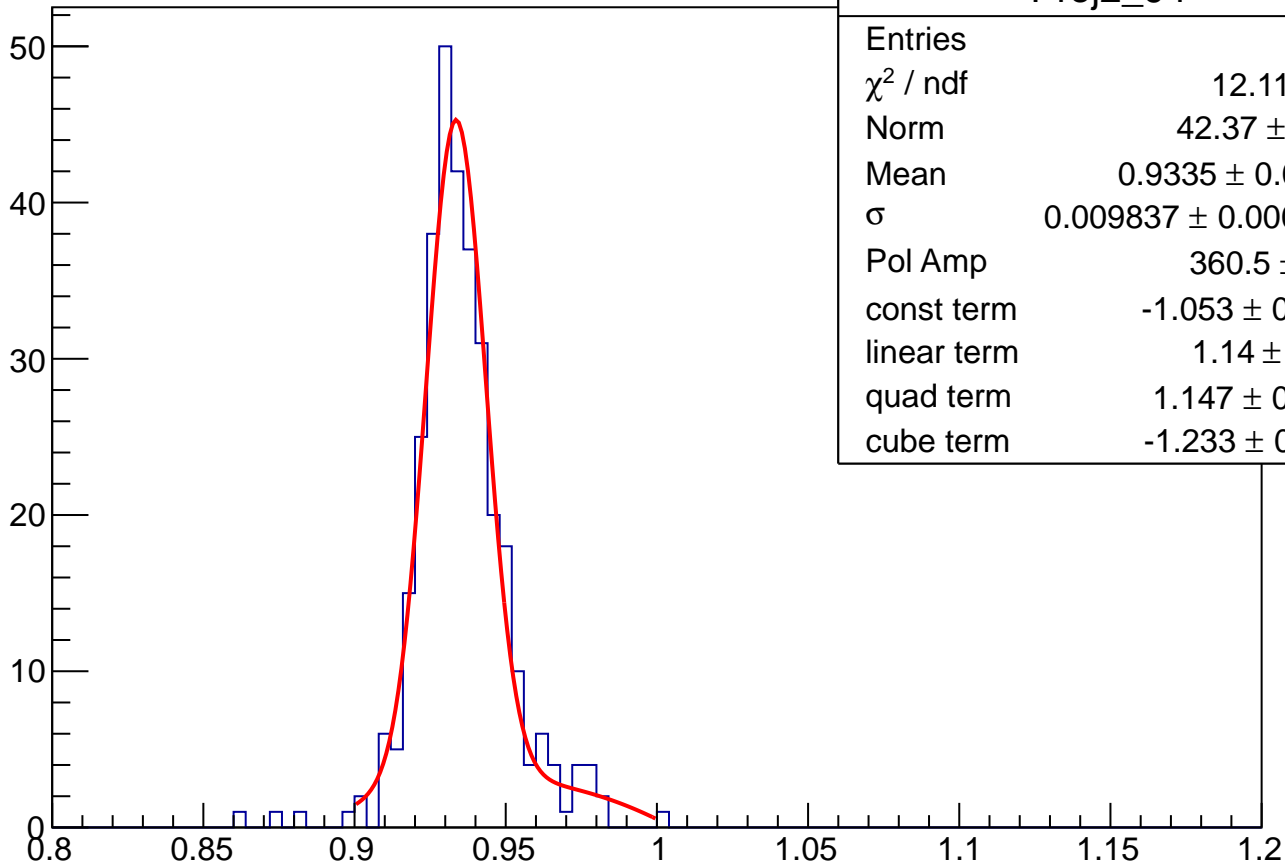
PhiThetaMassPim



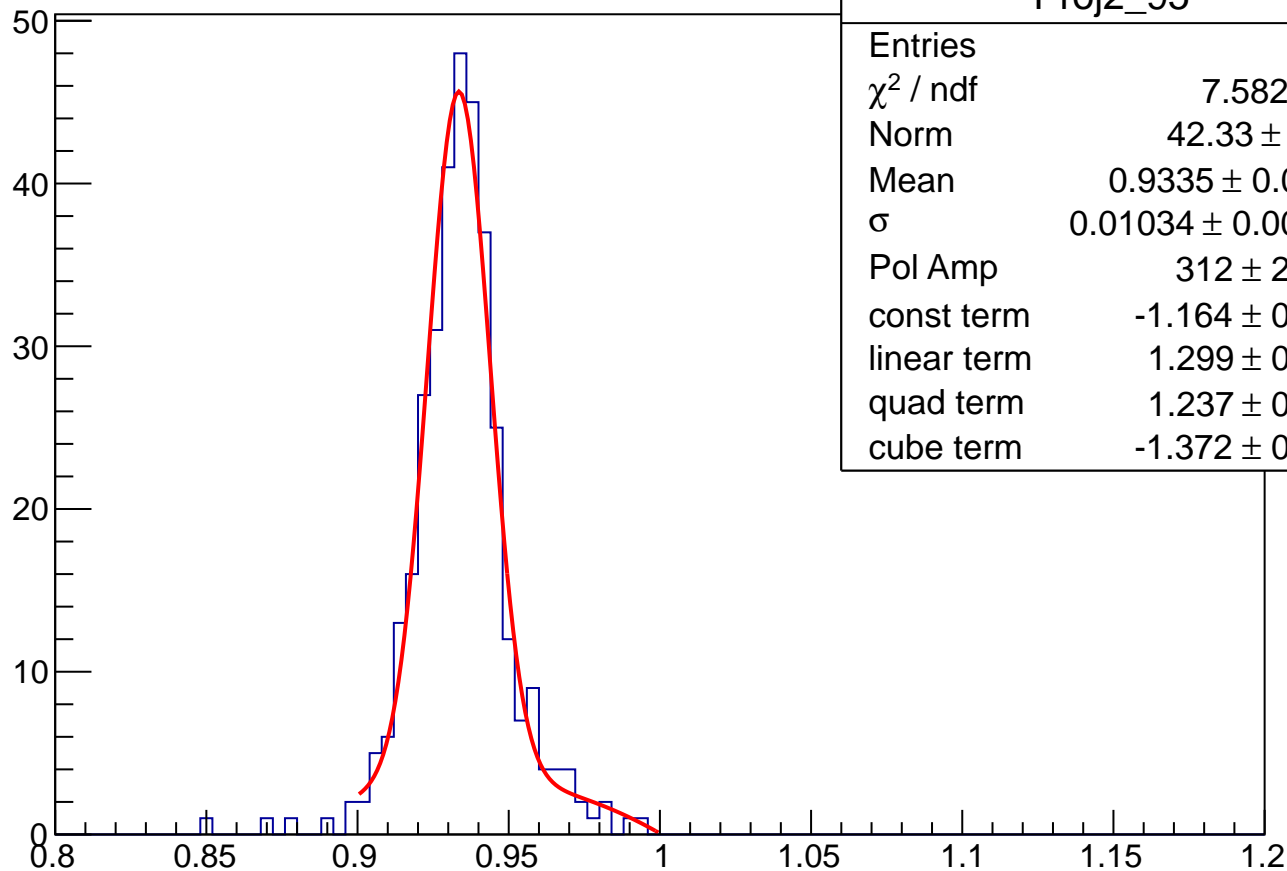
Proj2_93

Entries	339
χ^2 / ndf	10.47 / 14
Norm	46.14 ± 3.62
Mean	0.9353 ± 0.0007
σ	0.01006 ± 0.00052
Pol Amp	367.6 ± 0.6
const term	-1.005 ± 0.299
linear term	1.075 ± 0.319
quad term	1.102 ± 0.327
cube term	-1.172 ± 0.348

PhiThetaMassPim



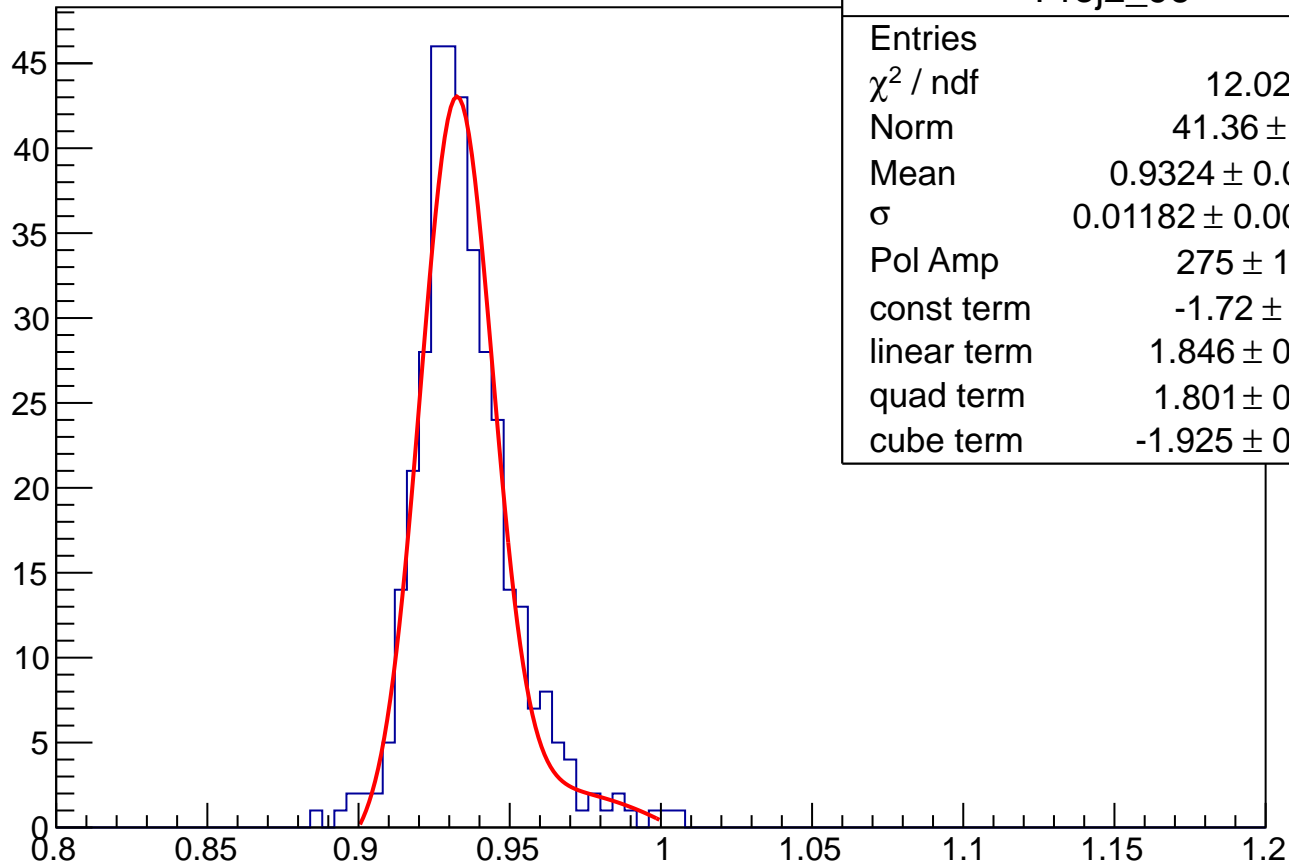
PhiThetaMassPim



Proj2_95

Entries	349
χ^2 / ndf	7.582 / 15
Norm	42.33 ± 3.53
Mean	0.9335 ± 0.0008
σ	0.01034 ± 0.00084
Pol Amp	312 ± 205.2
const term	-1.164 ± 0.014
linear term	1.299 ± 0.016
quad term	1.237 ± 0.016
cube term	-1.372 ± 0.015

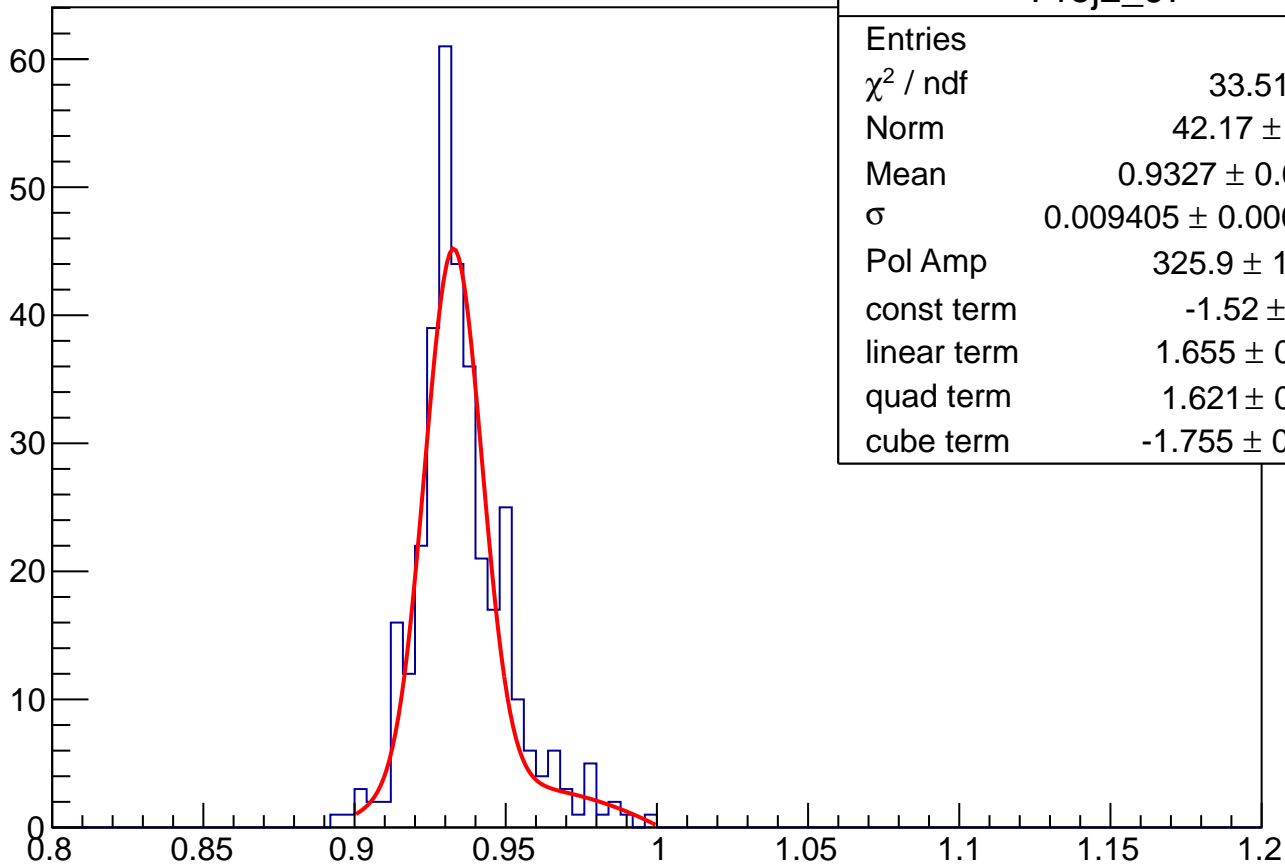
PhiThetaMassPim



Proj2_96

Entries	358
χ^2 / ndf	12.02 / 16
Norm	41.36 ± 3.21
Mean	0.9324 ± 0.0009
σ	0.01182 ± 0.00079
Pol Amp	275 ± 143.8
const term	-1.72 ± 0.02
linear term	1.846 ± 0.017
quad term	1.801 ± 0.017
cube term	-1.925 ± 0.017

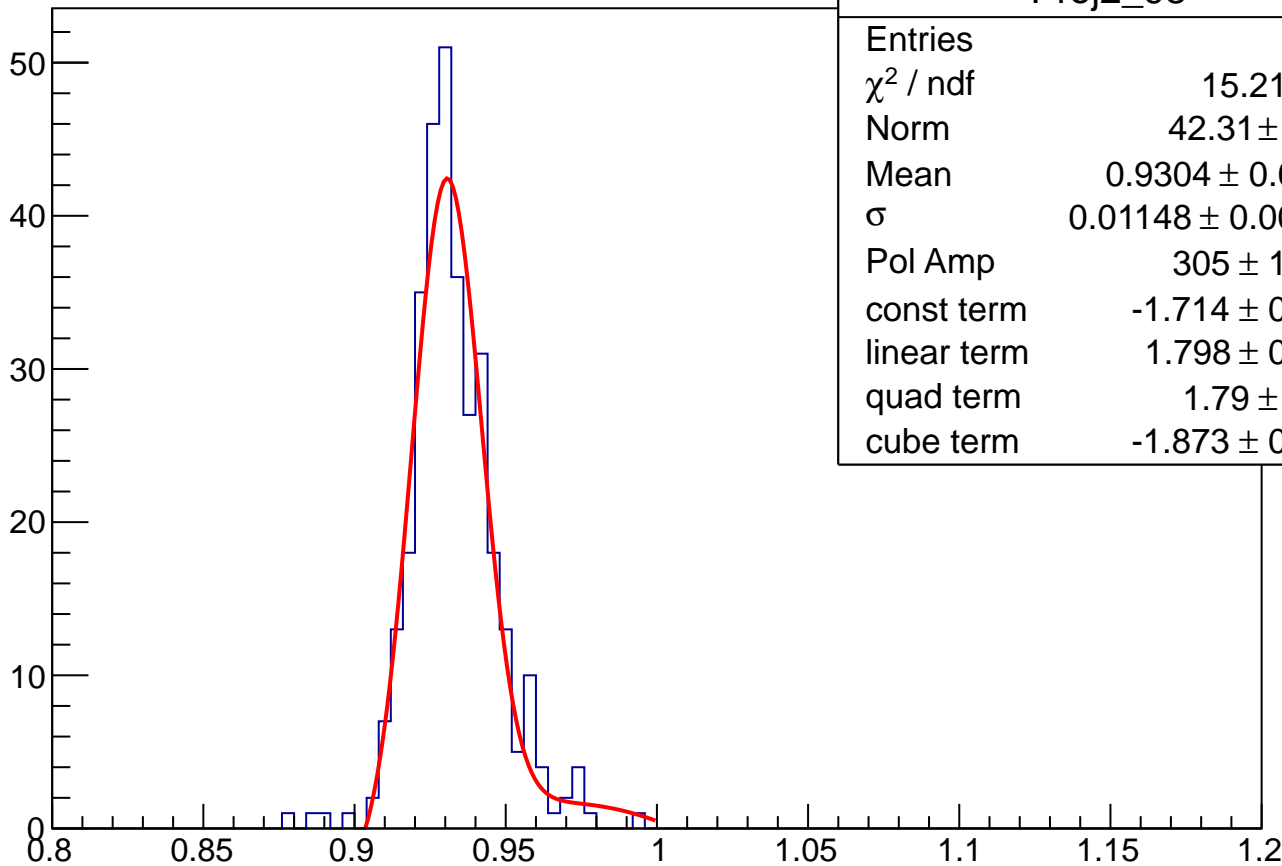
PhiThetaMassPim



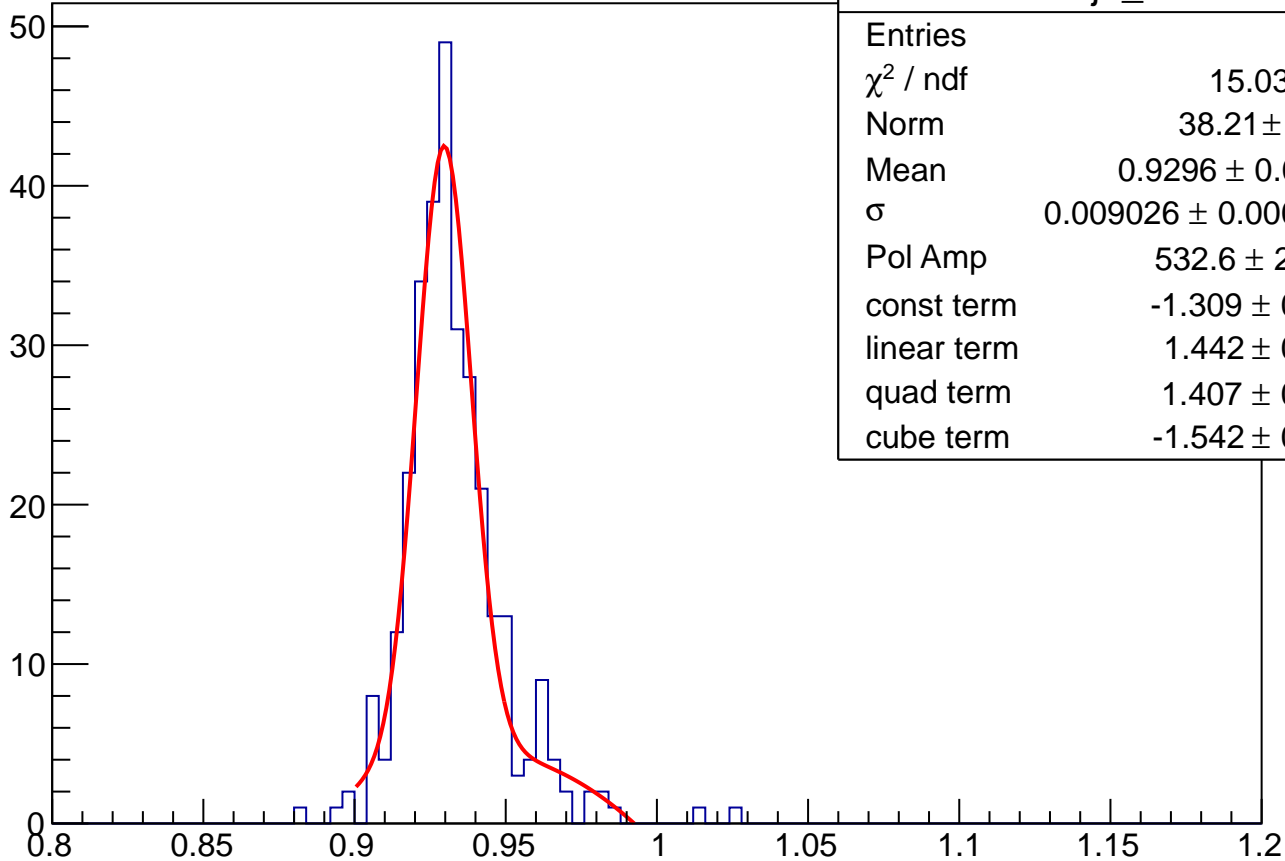
Proj2_97

Entries	342
χ^2 / ndf	33.51 / 16
Norm	42.17 ± 4.04
Mean	0.9327 ± 0.0008
σ	0.009405 ± 0.000923
Pol Amp	325.9 ± 163.8
const term	-1.52 ± 0.01
linear term	1.655 ± 0.014
quad term	1.621 ± 0.014
cube term	-1.755 ± 0.013

PhiThetaMassPim



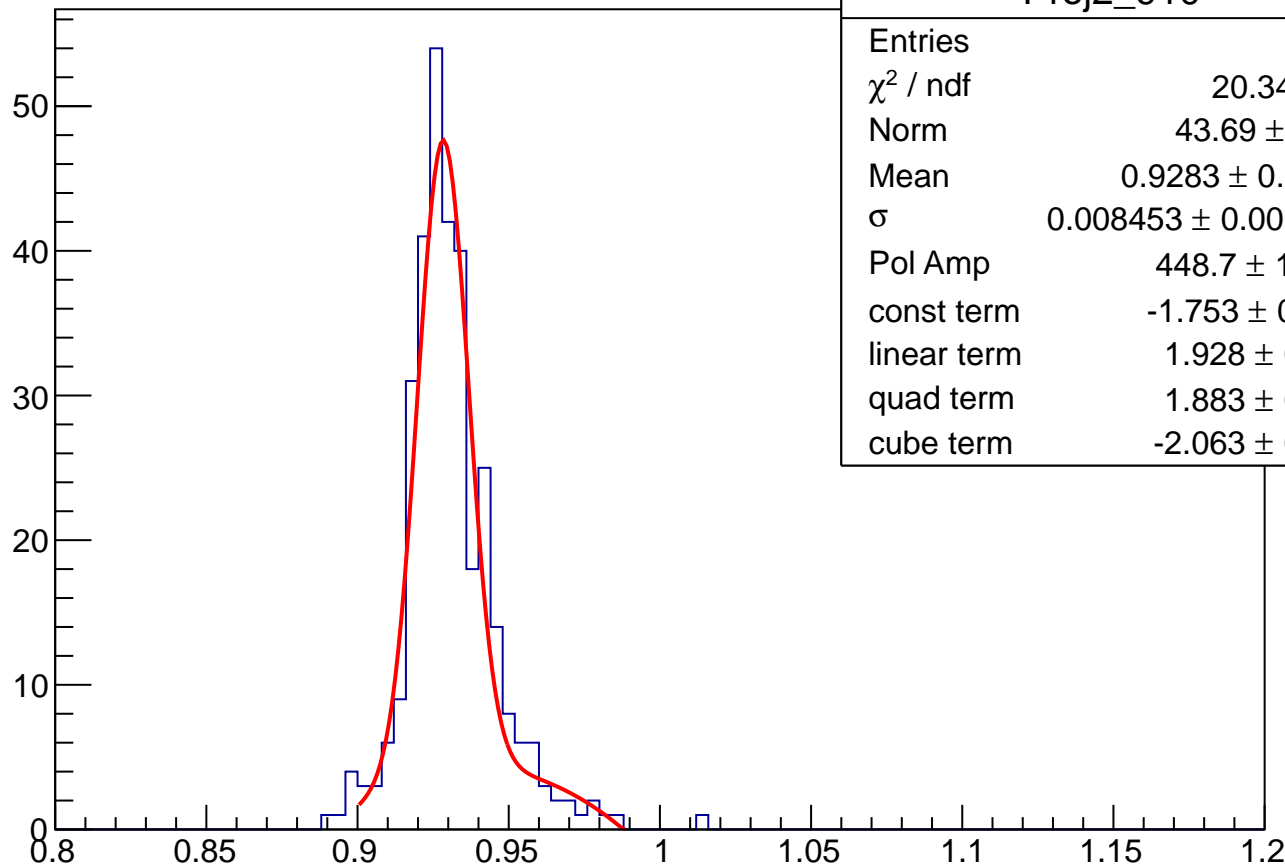
PhiThetaMassPim



Proj2_99

Entries	307
χ^2 / ndf	15.03 / 12
Norm	38.21 ± 3.59
Mean	0.9296 ± 0.0008
σ	0.009026 ± 0.000798
Pol Amp	532.6 ± 273.2
const term	-1.309 ± 0.011
linear term	1.442 ± 0.011
quad term	1.407 ± 0.011
cube term	-1.542 ± 0.011

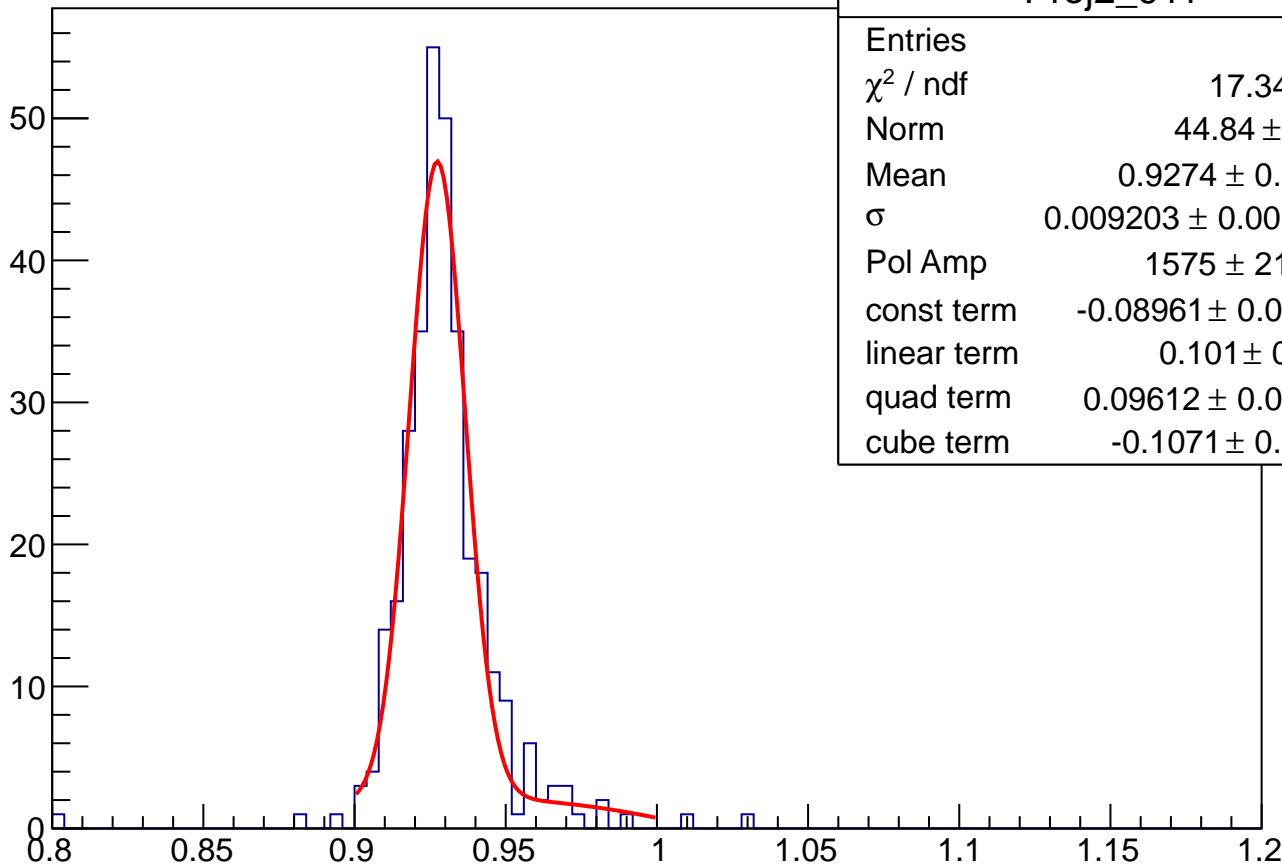
PhiThetaMassPim



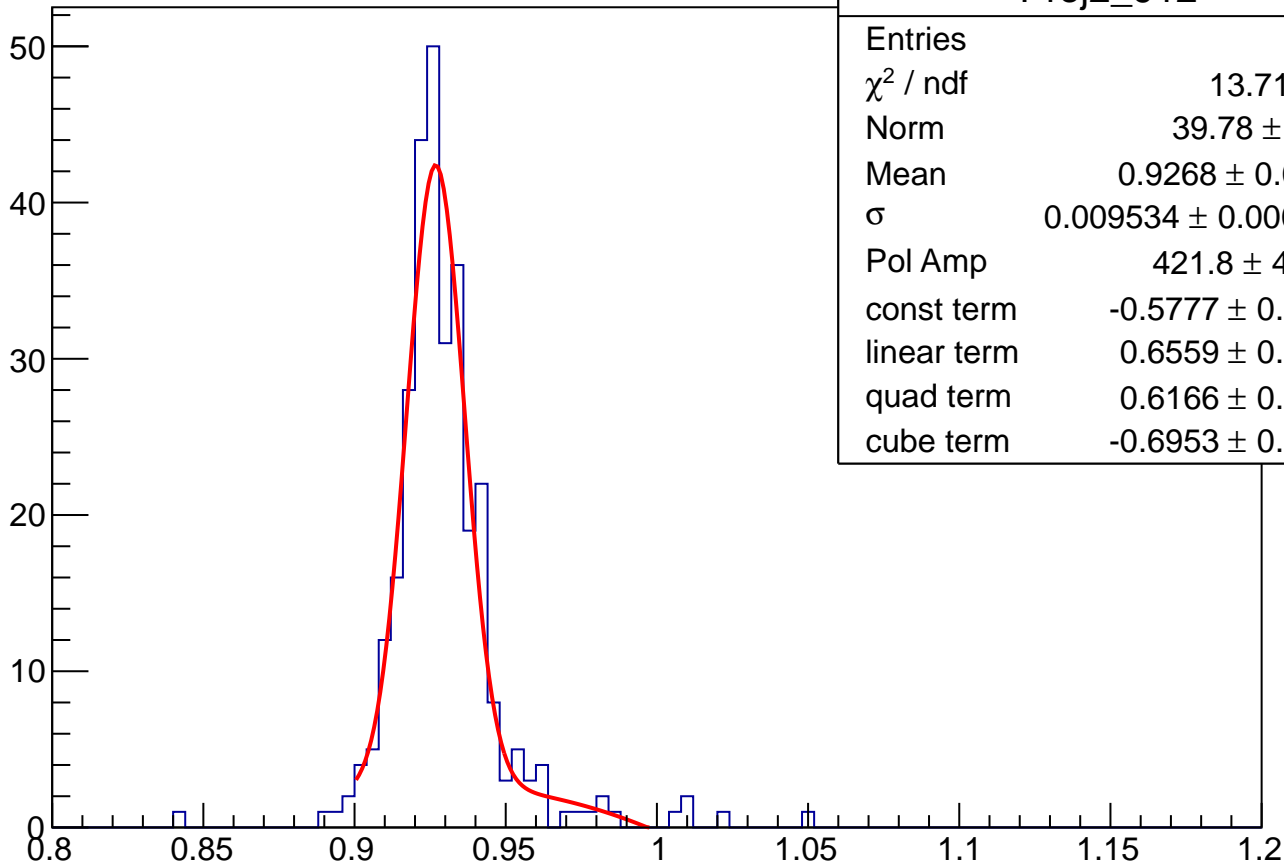
Proj2_910

Entries	325
χ^2 / ndf	20.34 / 14
Norm	43.69 ± 4.30
Mean	0.9283 ± 0.0008
σ	0.008453 ± 0.000850
Pol Amp	448.7 ± 190.5
const term	-1.753 ± 0.010
linear term	1.928 ± 0.011
quad term	1.883 ± 0.011
cube term	-2.063 ± 0.011

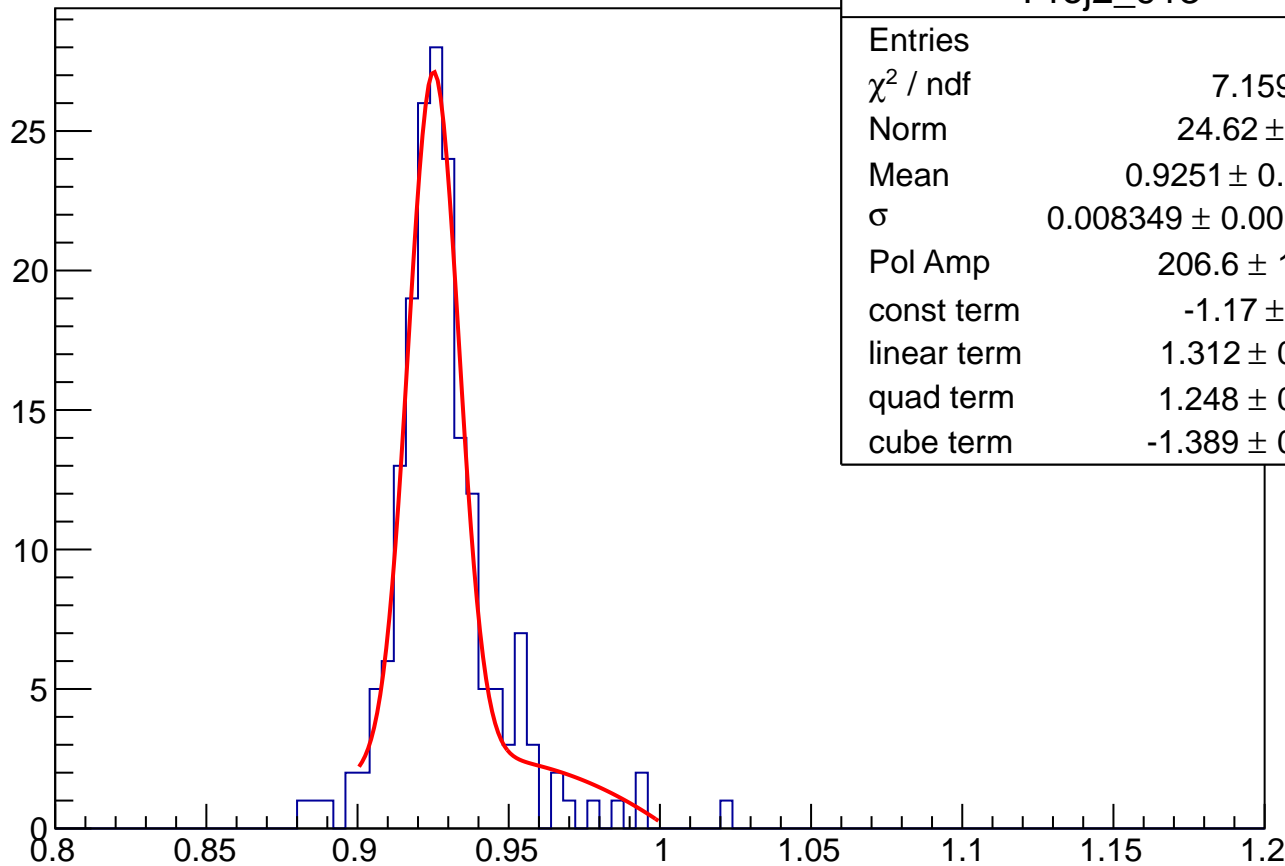
PhiThetaMassPim



PhiThetaMassPim



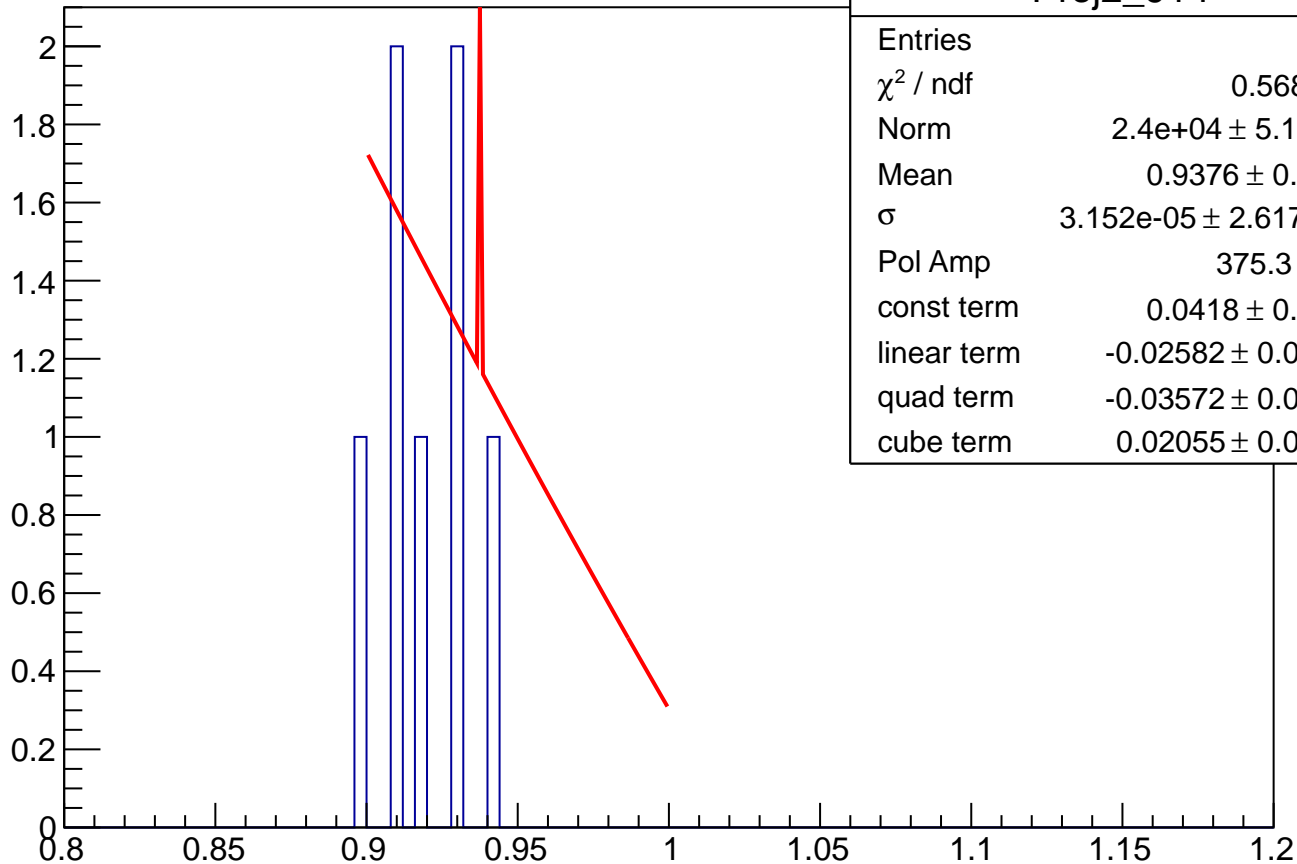
PhiThetaMassPim



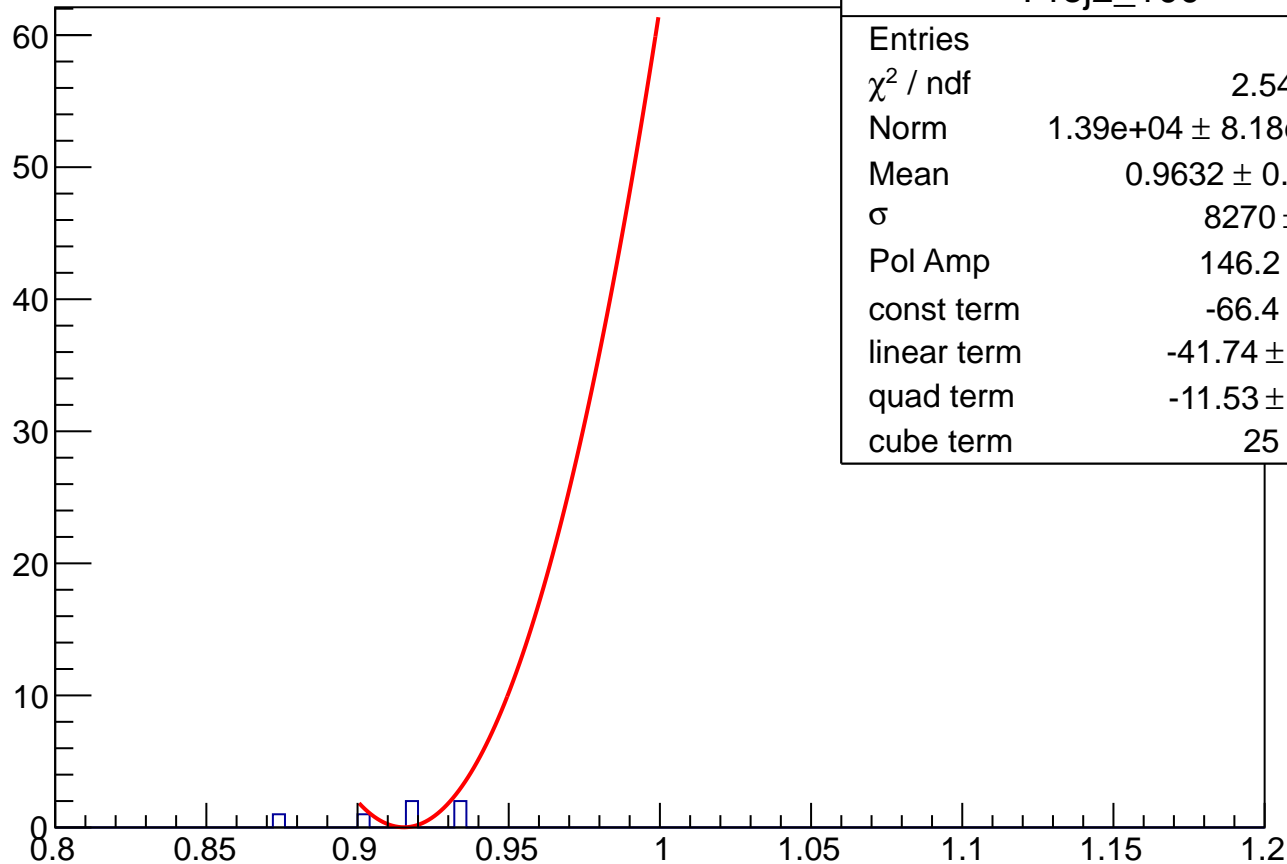
Proj2_913

Entries	185
χ^2 / ndf	7.159 / 12
Norm	24.62 ± 3.05
Mean	0.9251 ± 0.0009
σ	0.008349 ± 0.001009
Pol Amp	206.6 ± 173.2
const term	-1.17 ± 0.02
linear term	1.312 ± 0.024
quad term	1.248 ± 0.024
cube term	-1.389 ± 0.024

PhiThetaMassPim



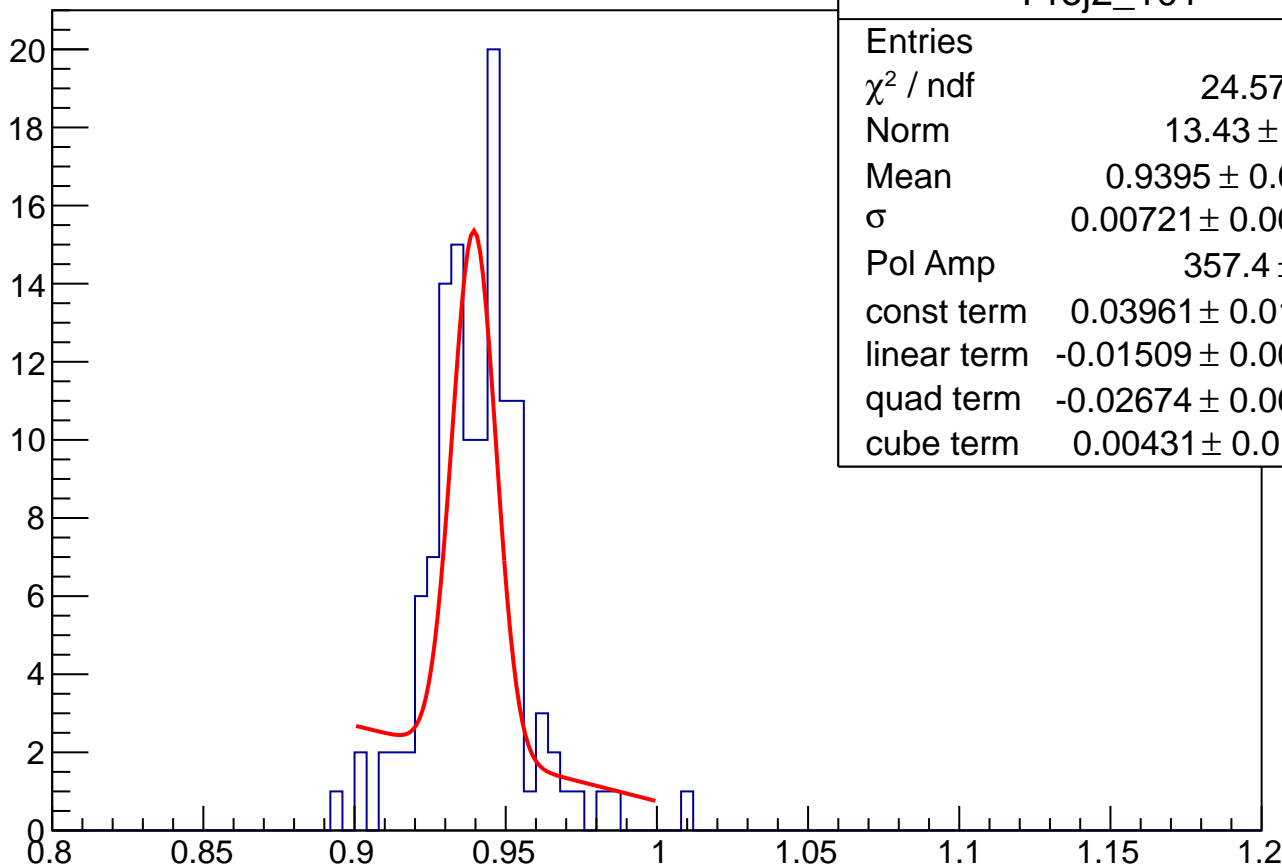
PhiThetaMassPim



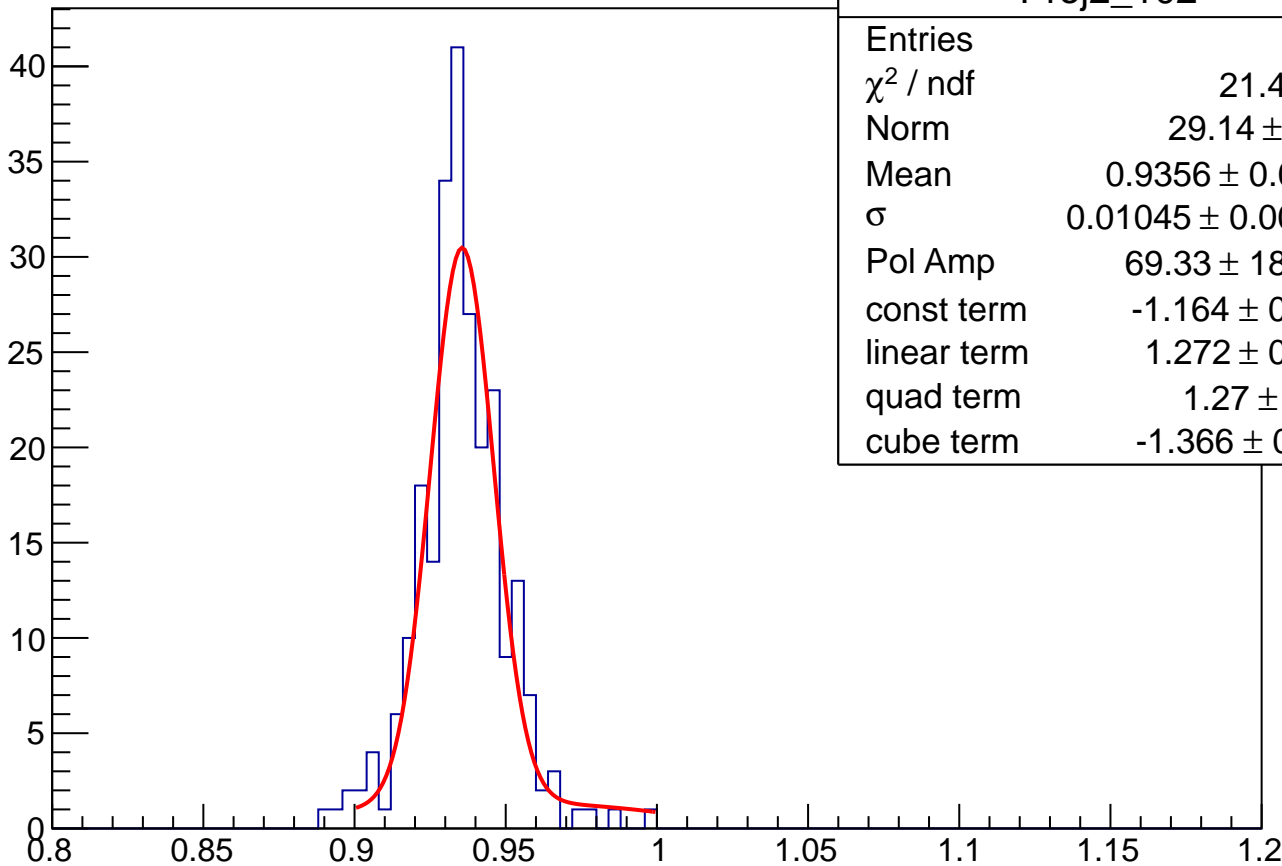
Proj2_100

Entries	6
χ^2 / ndf	2.545 / 0
Norm	$1.39\text{e}+04 \pm 8.18\text{e}+00$
Mean	0.9632 ± 0.0691
σ	8270 ± 1.4
Pol Amp	146.2 ± 0.1
const term	-66.4 ± 0.1
linear term	-41.74 ± 0.06
quad term	-11.53 ± 0.07
cube term	25 ± 0.1

PhiThetaMassPim



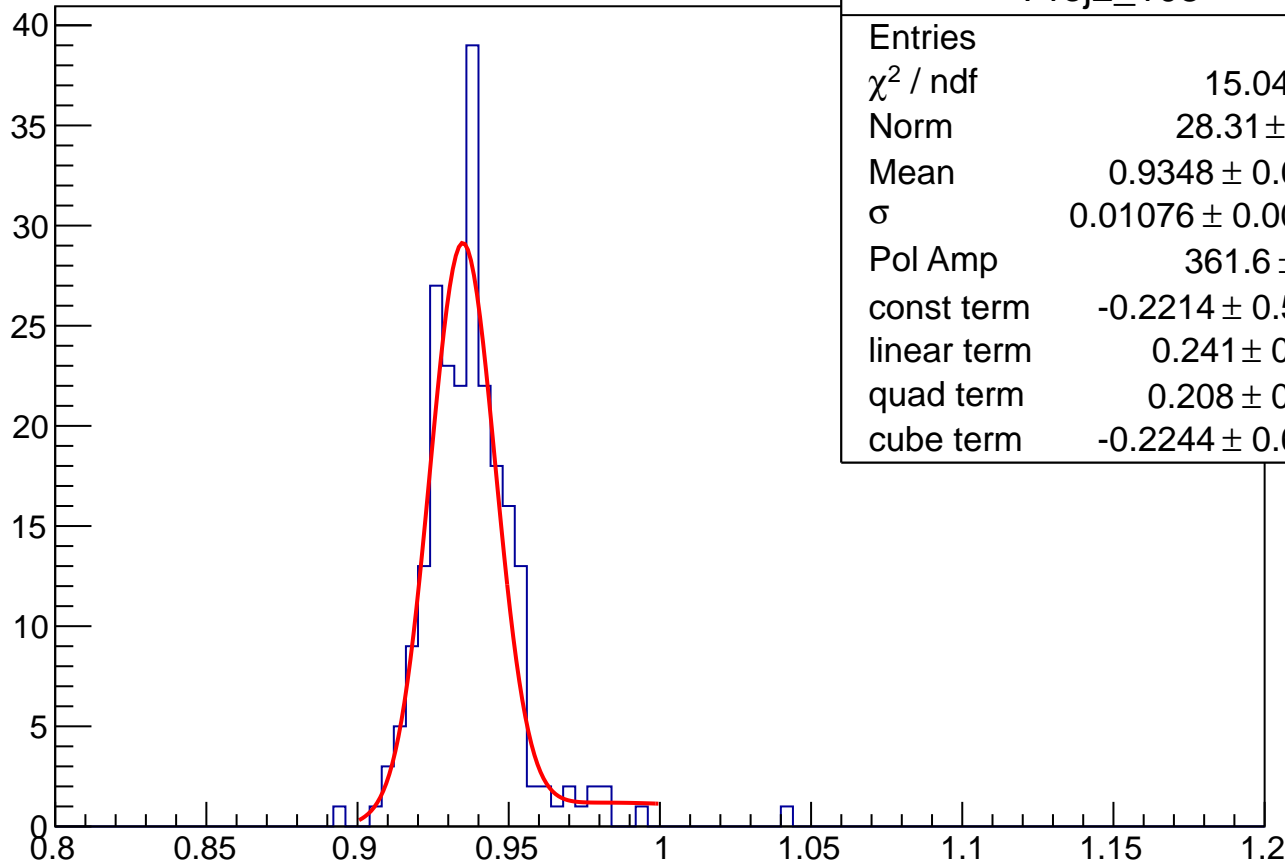
PhiThetaMassPim



Proj2_102

Entries	242
χ^2 / ndf	21.4 / 13
Norm	29.14 ± 2.81
Mean	0.9356 ± 0.0009
σ	0.01045 ± 0.00096
Pol Amp	69.33 ± 186.55
const term	-1.164 ± 0.056
linear term	1.272 ± 0.065
quad term	1.27 ± 0.07
cube term	-1.366 ± 0.061

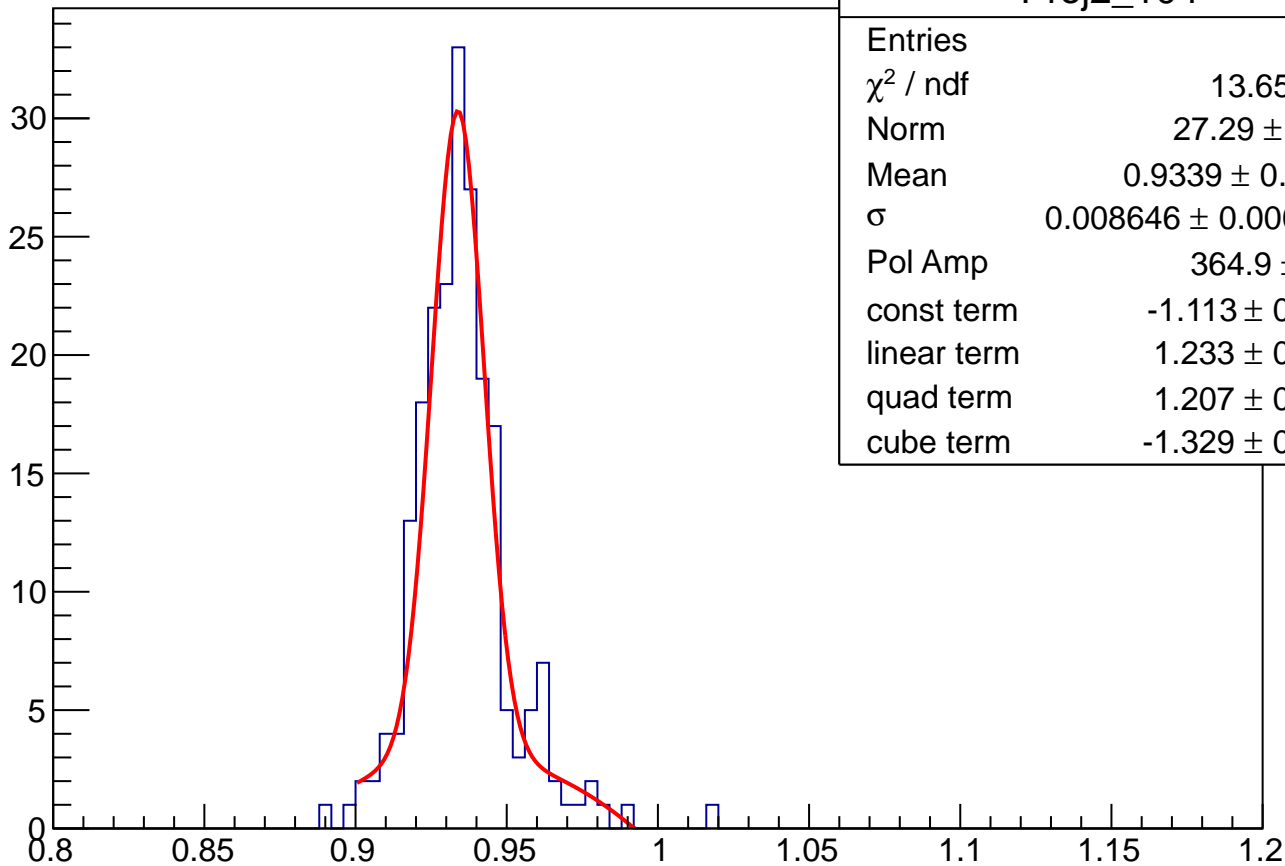
PhiThetaMassPim



Proj2_103

Entries	226
χ^2 / ndf	15.04 / 13
Norm	28.31 ± 2.61
Mean	0.9348 ± 0.0007
σ	0.01076 ± 0.00086
Pol Amp	361.6 ± 1.5
const term	-0.2214 ± 0.5177
linear term	0.241 ± 0.556
quad term	0.208 ± 0.564
cube term	-0.2244 ± 0.6056

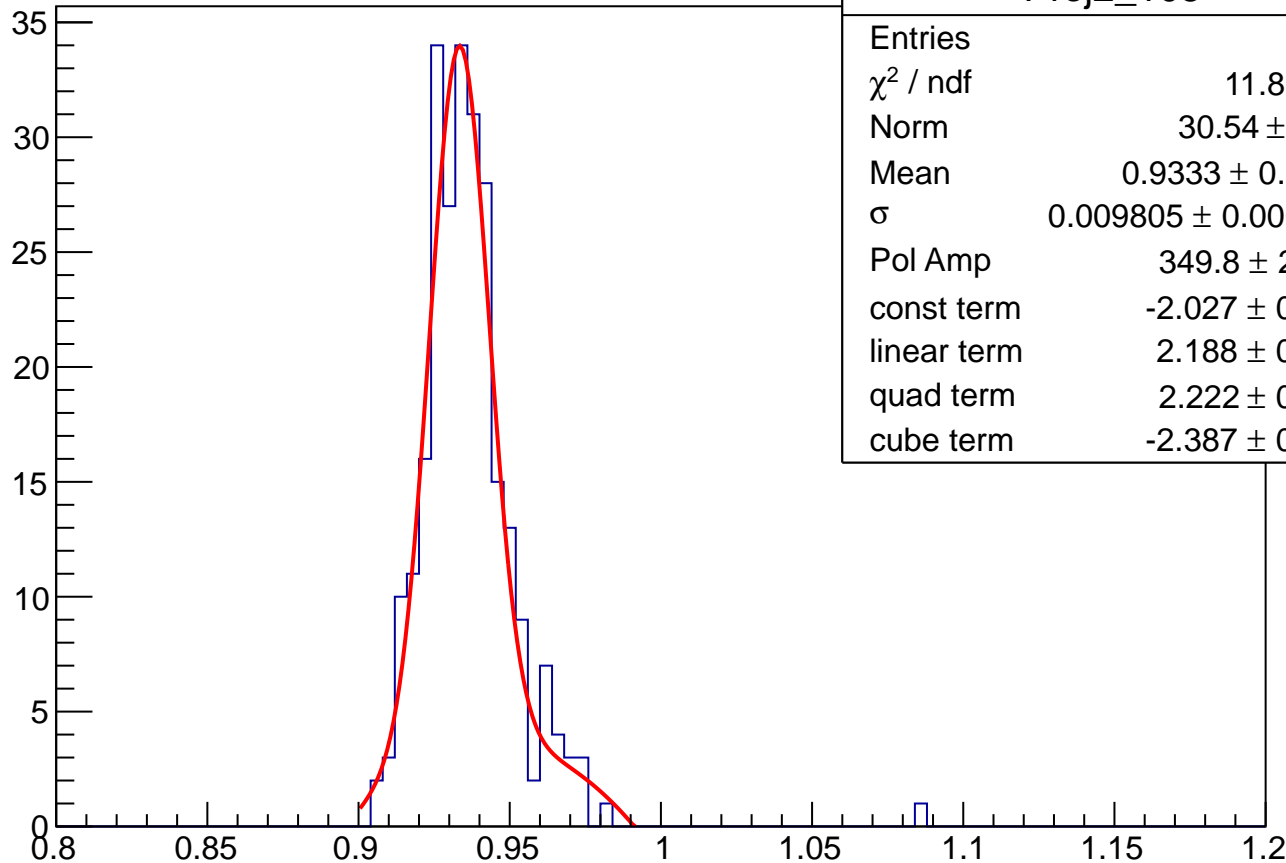
PhiThetaMassPim



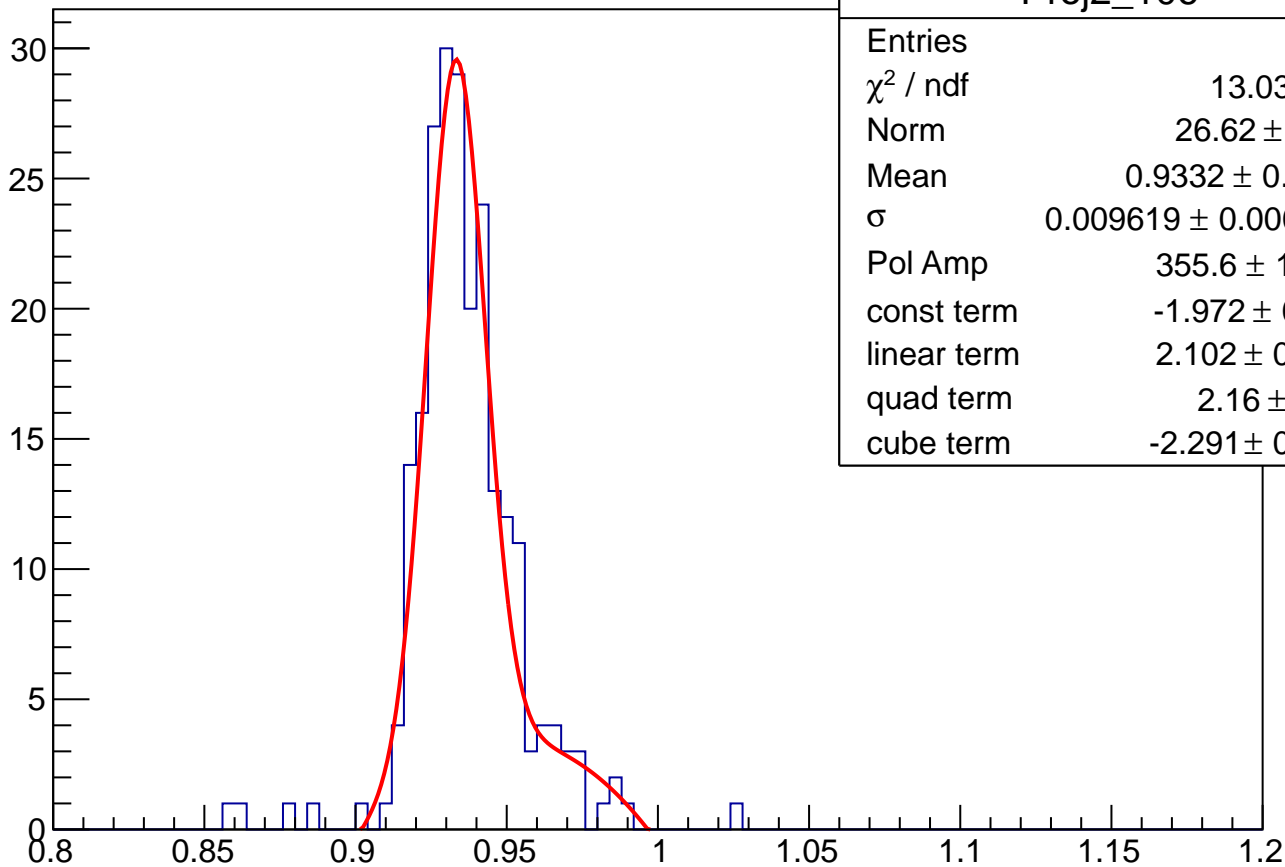
Proj2_104

Entries	215
χ^2 / ndf	13.65 / 14
Norm	27.29 ± 2.98
Mean	0.9339 ± 0.0001
σ	0.008646 ± 0.000600
Pol Amp	364.9 ± 0.9
const term	-1.113 ± 0.353
linear term	1.233 ± 0.378
quad term	1.207 ± 0.375
cube term	-1.329 ± 0.403

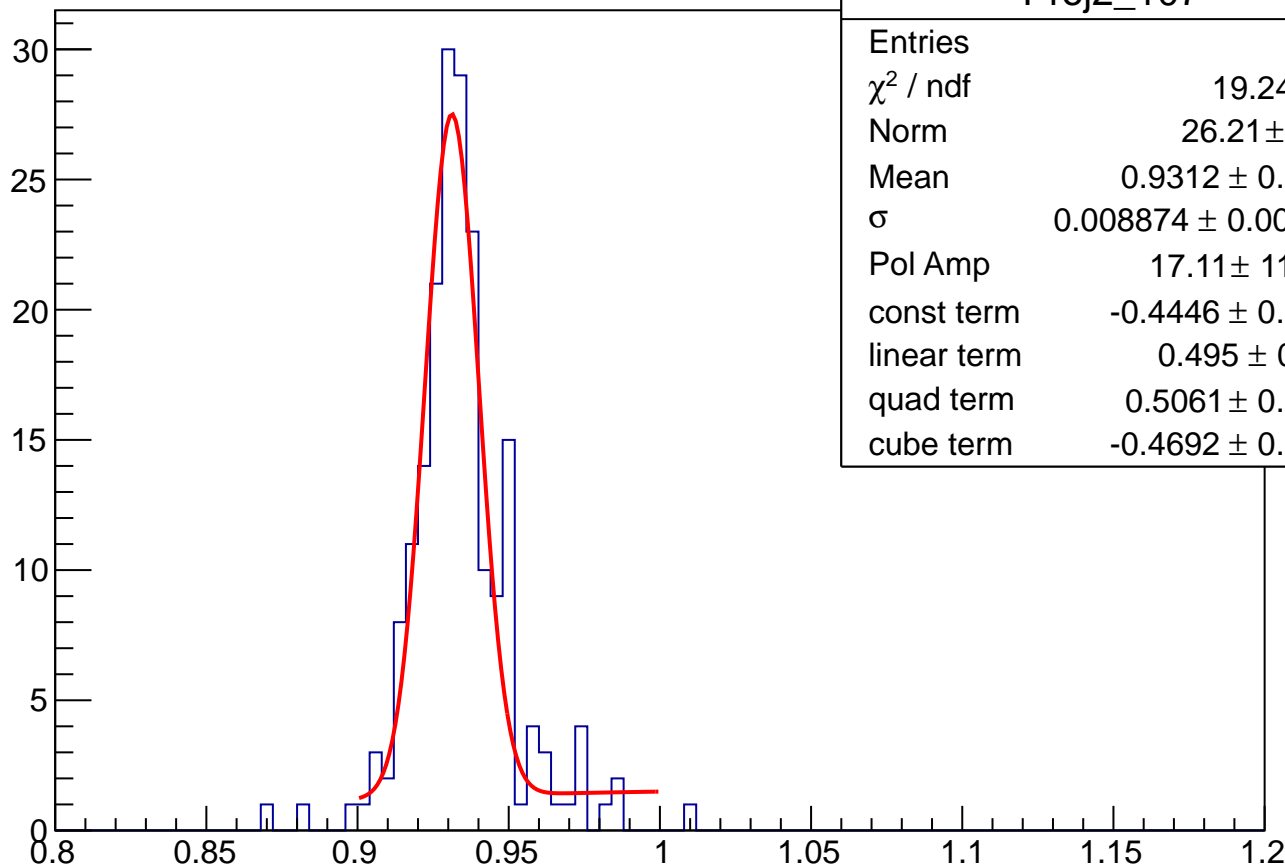
PhiThetaMassPim



PhiThetaMassPim



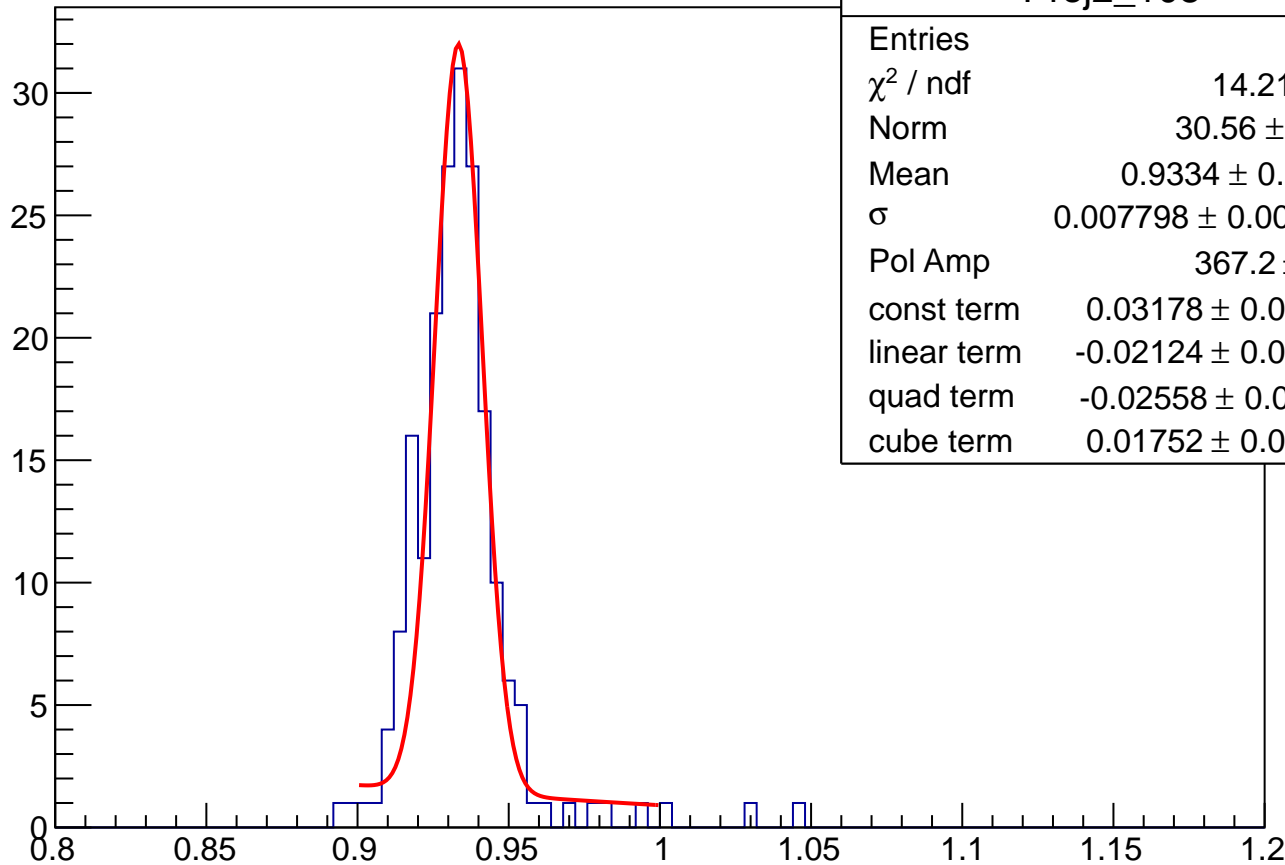
PhiThetaMassPim



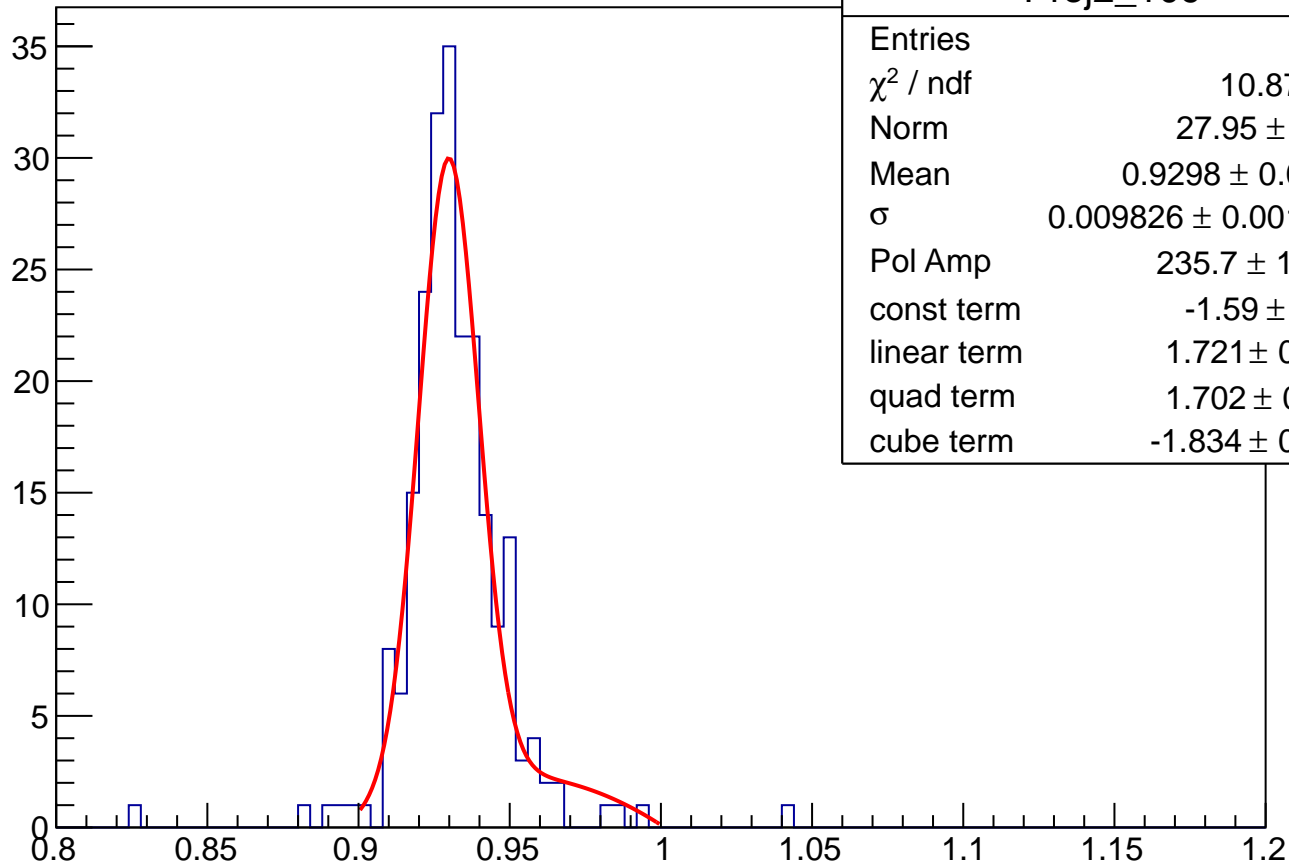
Proj2_107

Entries	197
χ^2 / ndf	19.24 / 13
Norm	26.21 ± 2.94
Mean	0.9312 ± 0.0009
σ	0.008874 ± 0.000881
Pol Amp	17.11 ± 117.04
const term	-0.4446 ± 0.3359
linear term	0.495 ± 0.164
quad term	0.5061 ± 0.1432
cube term	-0.4692 ± 0.4855

PhiThetaMassPim



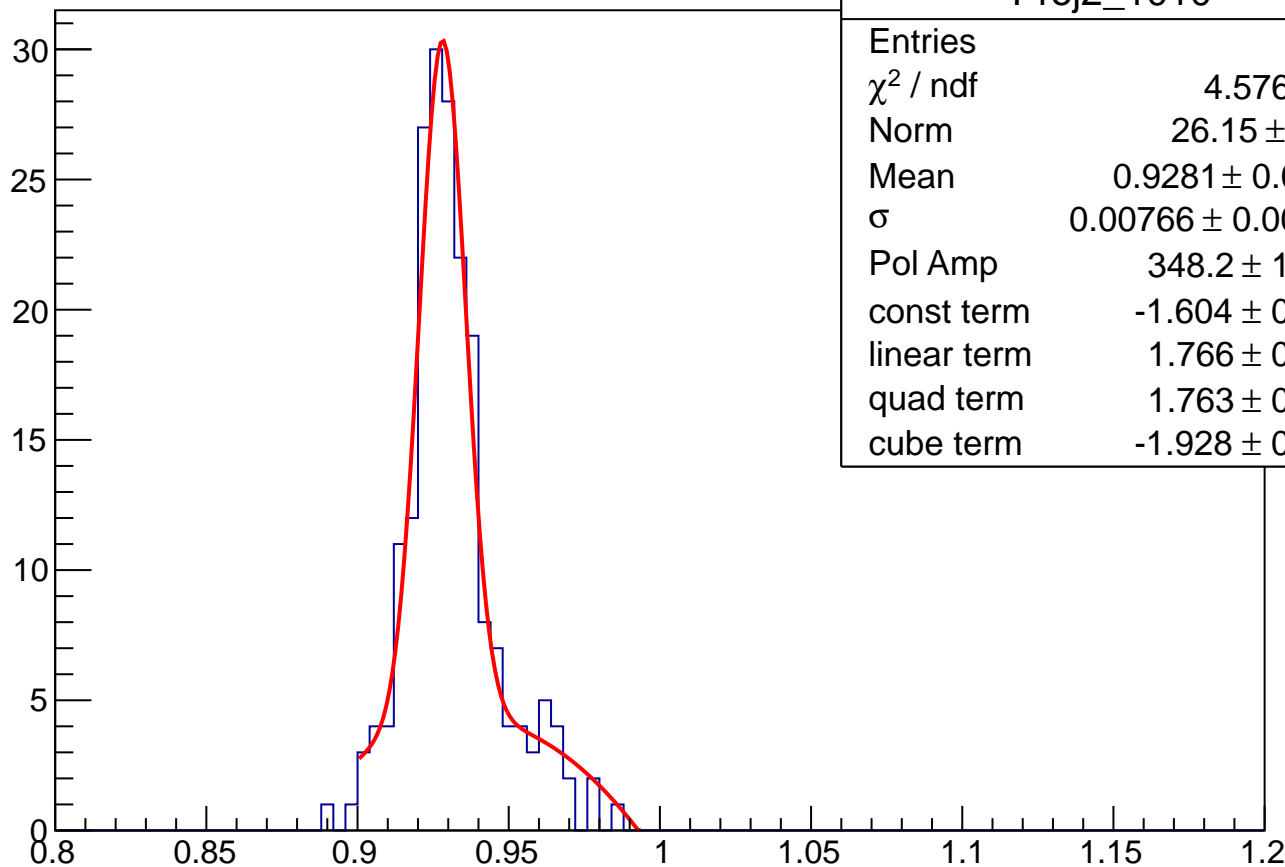
PhiThetaMassPim



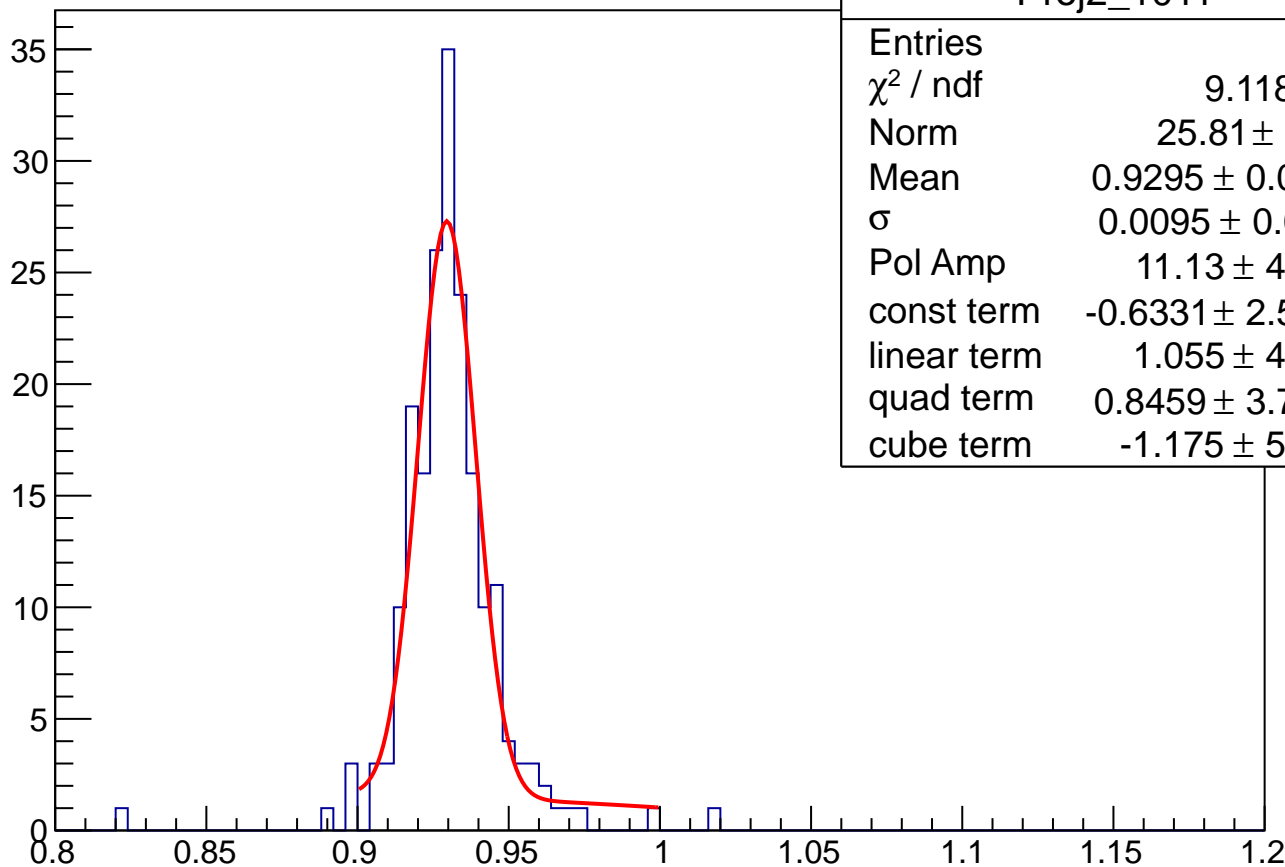
Proj2_109

Entries	221
χ^2 / ndf	10.87 / 11
Norm	27.95 ± 3.02
Mean	0.9298 ± 0.0010
σ	0.009826 ± 0.001054
Pol Amp	235.7 ± 165.8
const term	-1.59 ± 0.02
linear term	1.721 ± 0.020
quad term	1.702 ± 0.021
cube term	-1.834 ± 0.020

PhiThetaMassPim



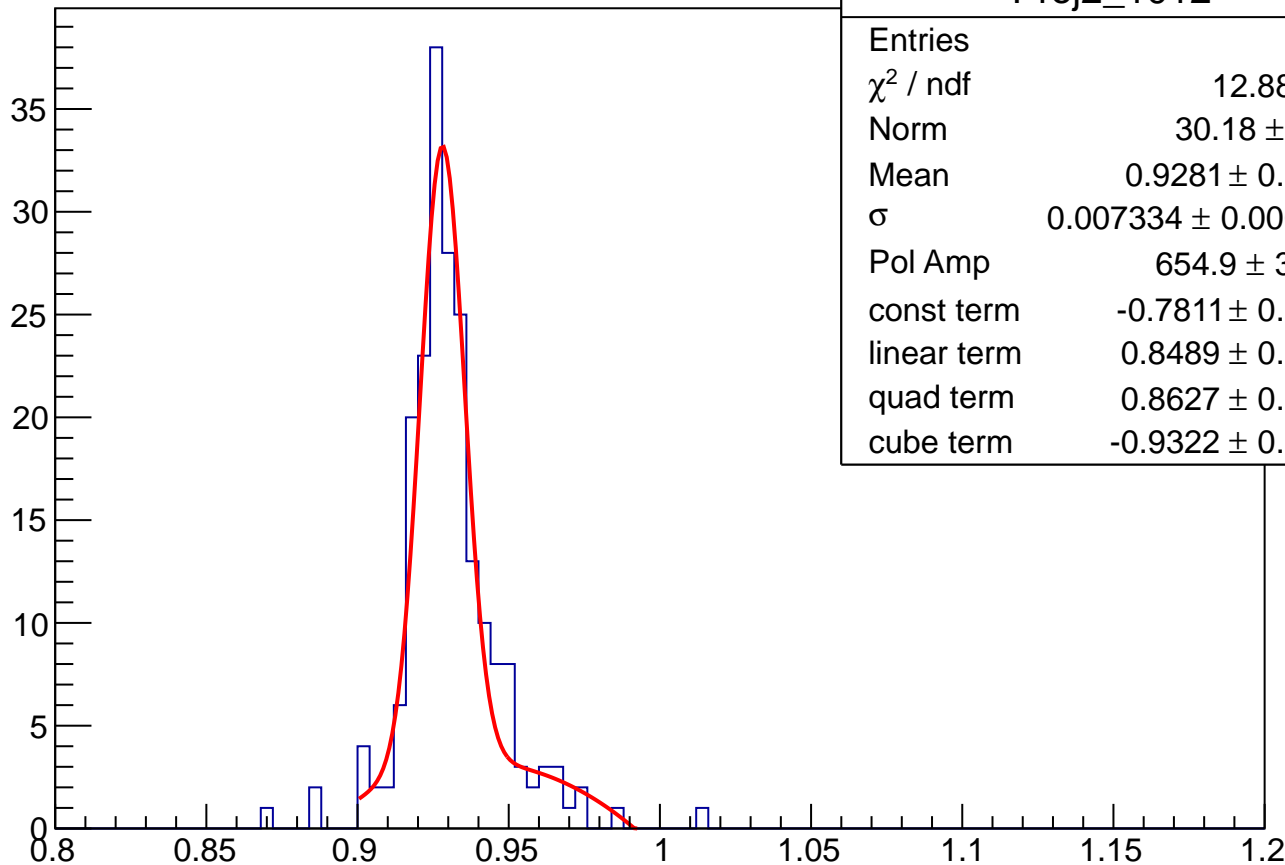
PhiThetaMassPim



Proj2_1011

Entries	195
χ^2 / ndf	9.118 / 11
Norm	25.81 ± 2.86
Mean	0.9295 ± 0.0009
σ	0.0095 ± 0.0011
Pol Amp	11.13 ± 46.47
const term	-0.6331 ± 2.5634
linear term	1.055 ± 4.508
quad term	0.8459 ± 3.7294
cube term	-1.175 ± 5.403

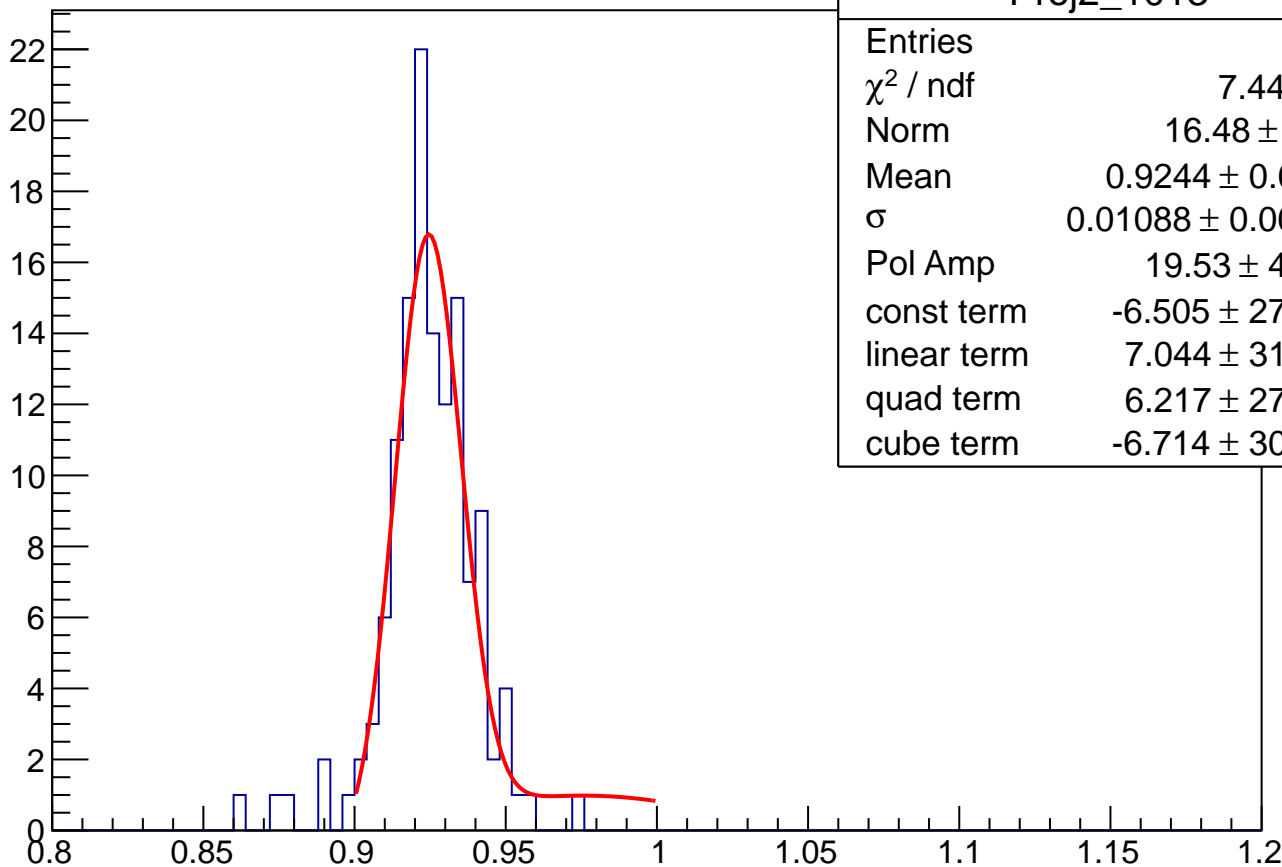
PhiThetaMassPim



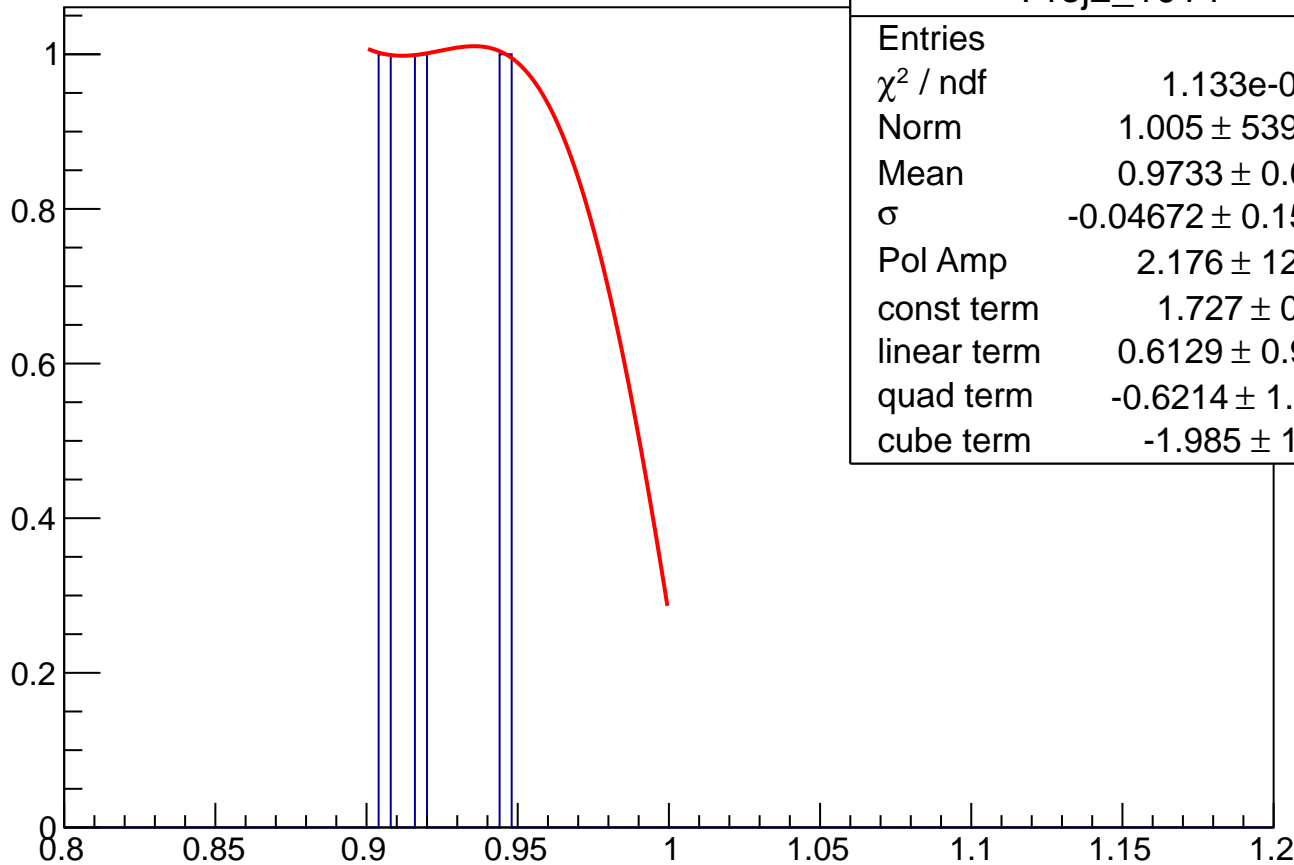
Proj2_1012

Entries	206
χ^2 / ndf	12.88 / 12
Norm	30.18 ± 3.58
Mean	0.9281 ± 0.0008
σ	0.007334 ± 0.000786
Pol Amp	654.9 ± 383.9
const term	-0.7811 ± 0.0067
linear term	0.8489 ± 0.0077
quad term	0.8627 ± 0.0080
cube term	-0.9322 ± 0.0076

PhiThetaMassPim



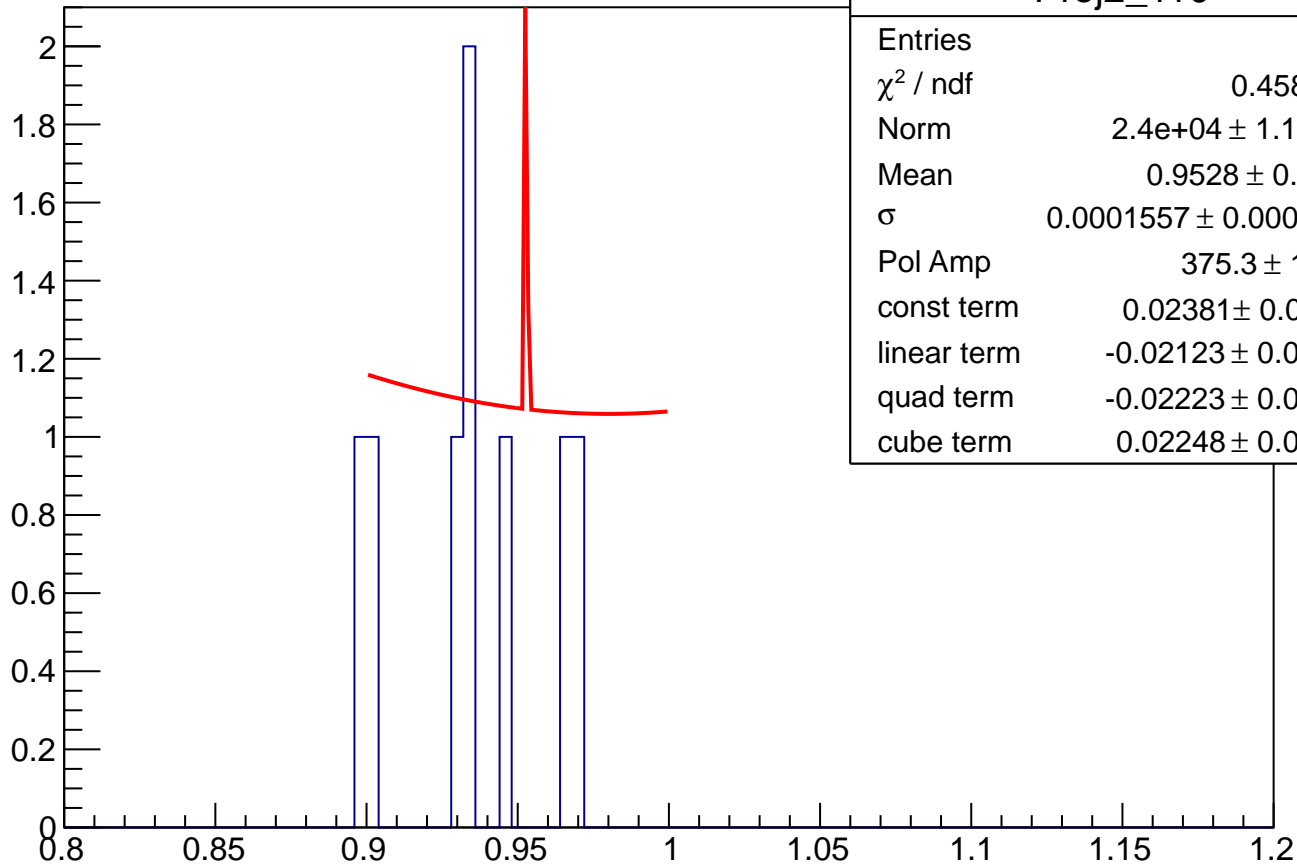
PhiThetaMassPim



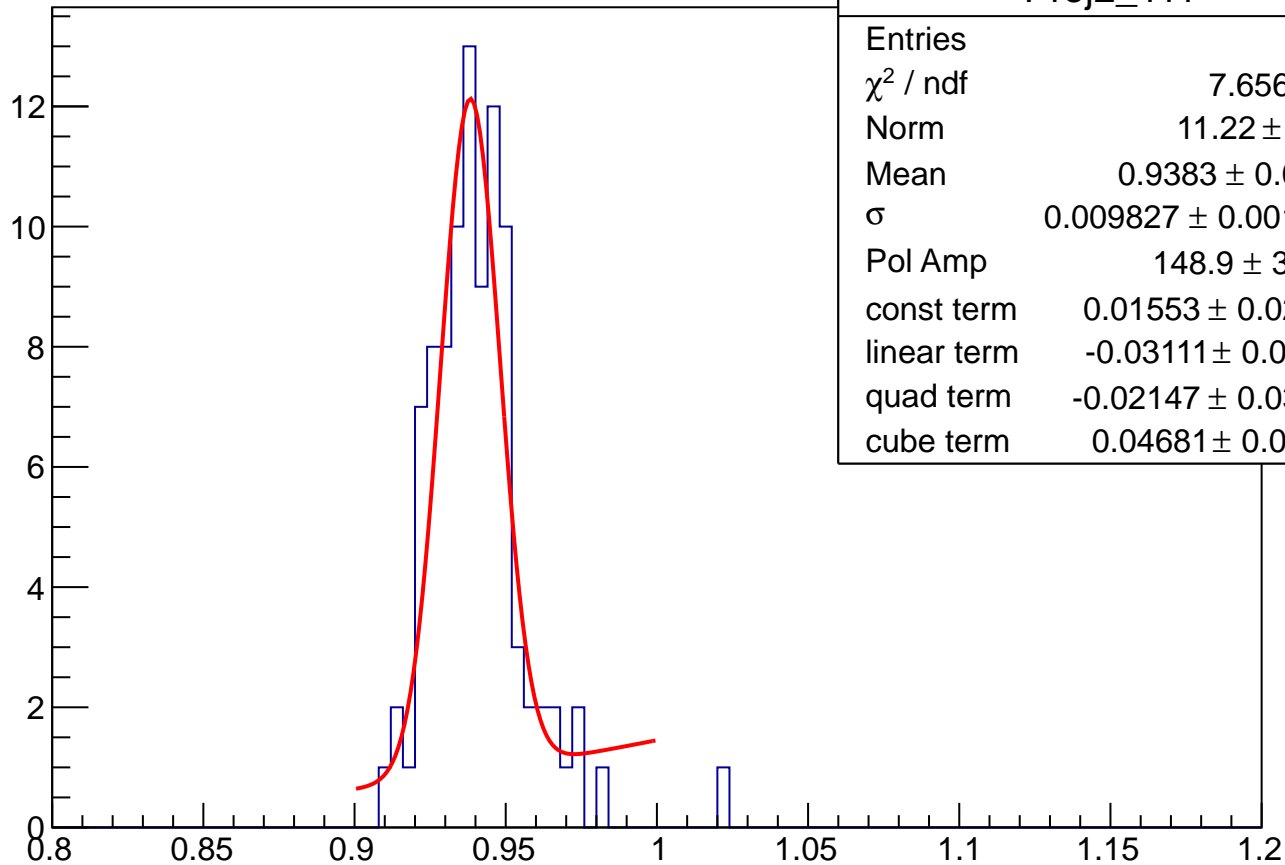
Proj2_1014

Entries	3
χ^2 / ndf	1.133e-07 / 0
Norm	1.005 ± 539.599
Mean	0.9733 ± 0.0985
σ	-0.04672 ± 0.15139
Pol Amp	2.176 ± 12.523
const term	1.727 ± 0.924
linear term	0.6129 ± 0.9992
quad term	-0.6214 ± 1.0791
cube term	-1.985 ± 1.164

PhiThetaMassPim



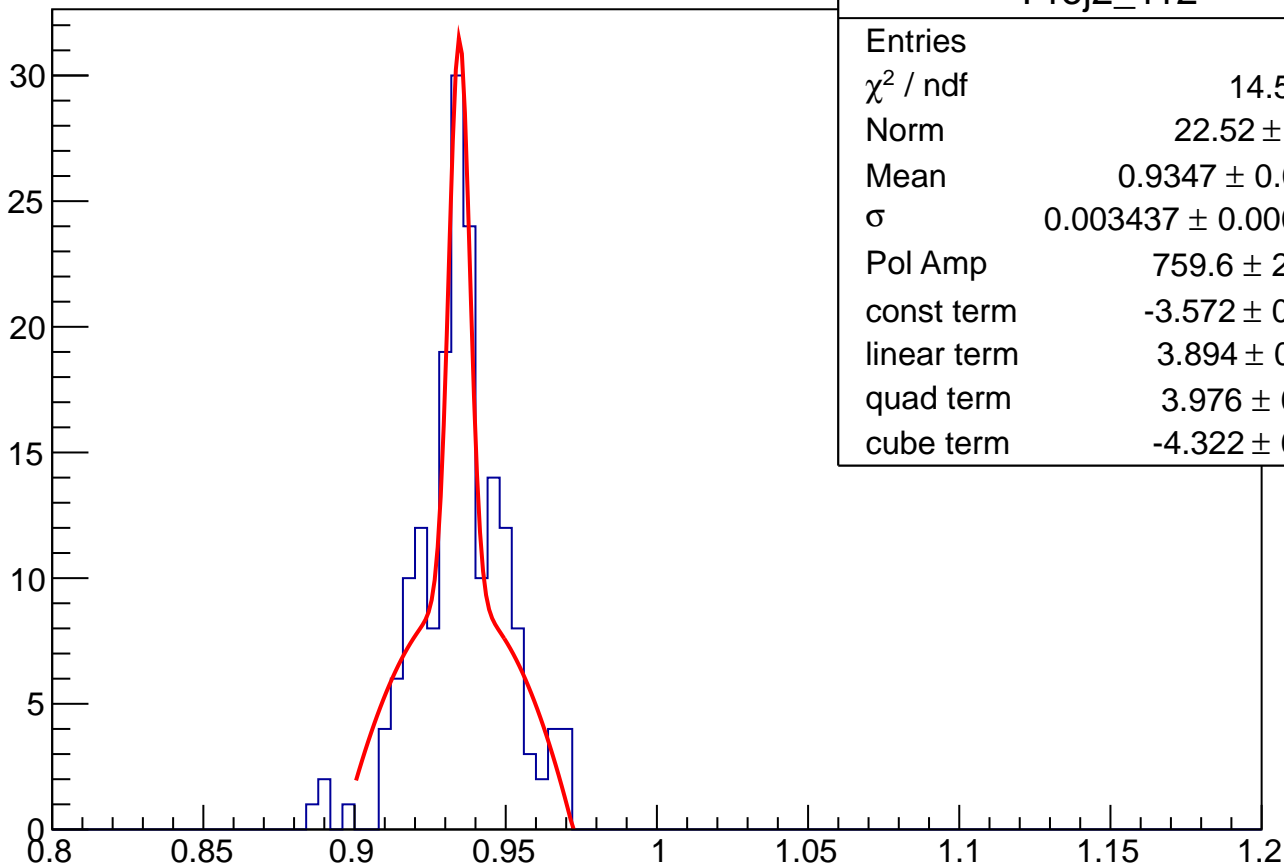
PhiThetaMassPim



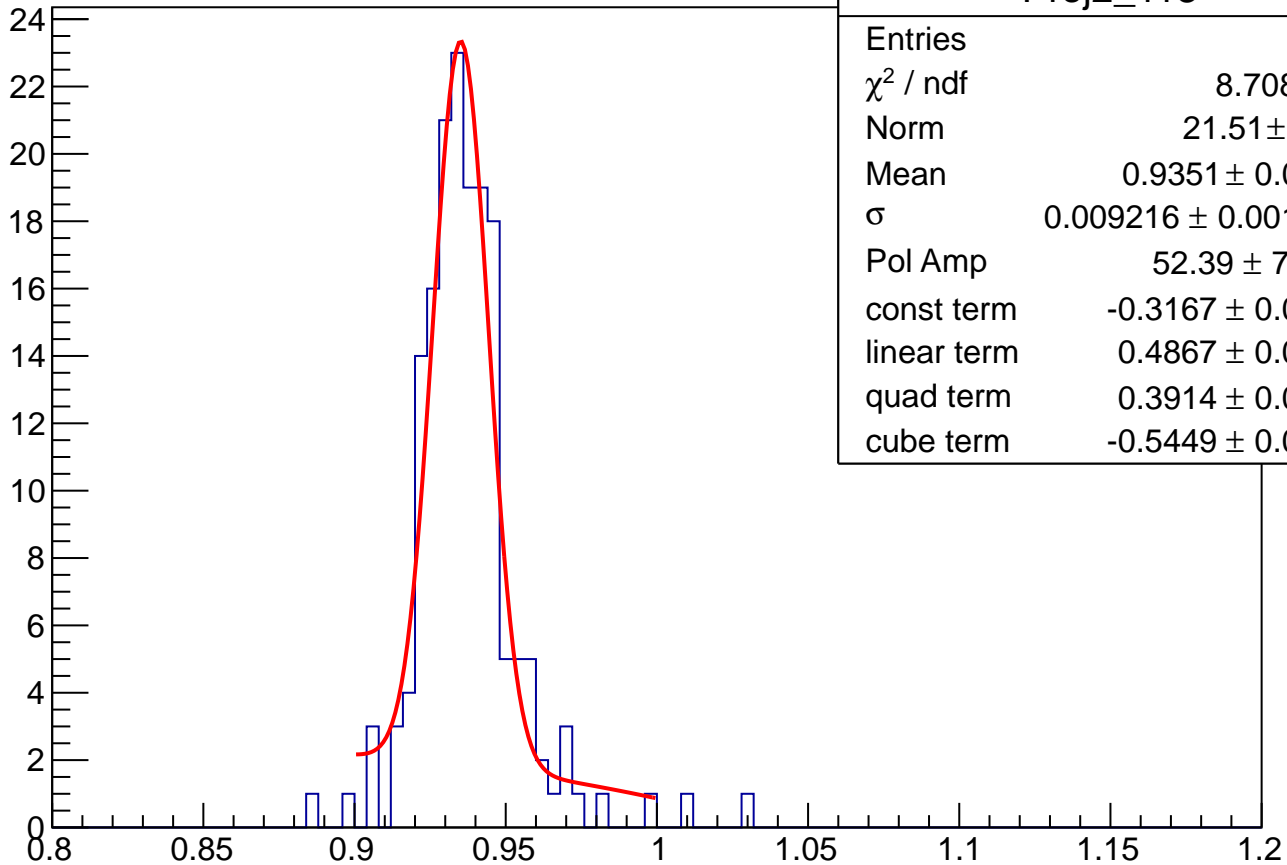
Proj2_111

Entries	95
χ^2 / ndf	7.656 / 10
Norm	11.22 ± 1.77
Mean	0.9383 ± 0.0016
σ	0.009827 ± 0.001439
Pol Amp	148.9 ± 393.5
const term	0.01553 ± 0.02513
linear term	-0.03111 ± 0.02831
quad term	-0.02147 ± 0.03089
cube term	0.04681 ± 0.03291

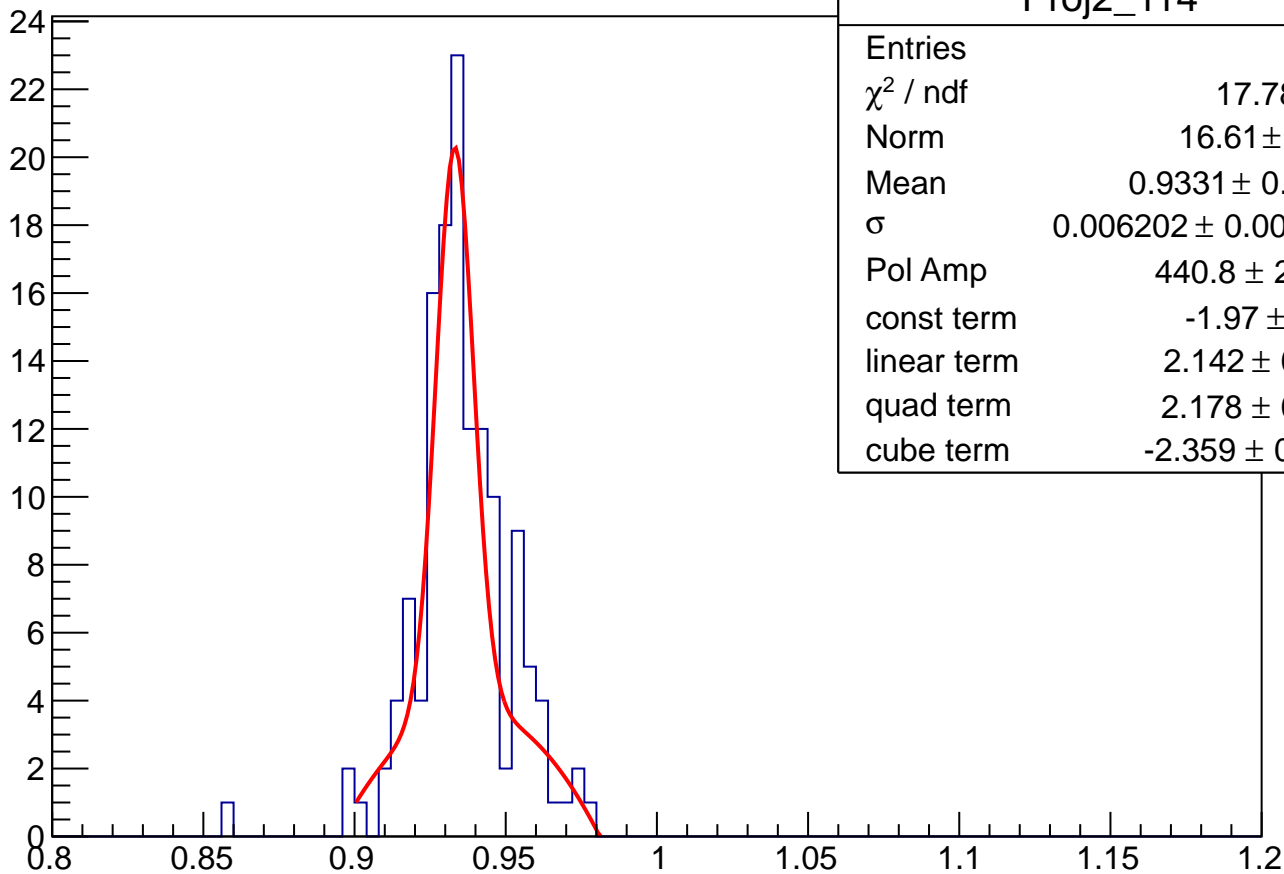
PhiThetaMassPim



PhiThetaMassPim



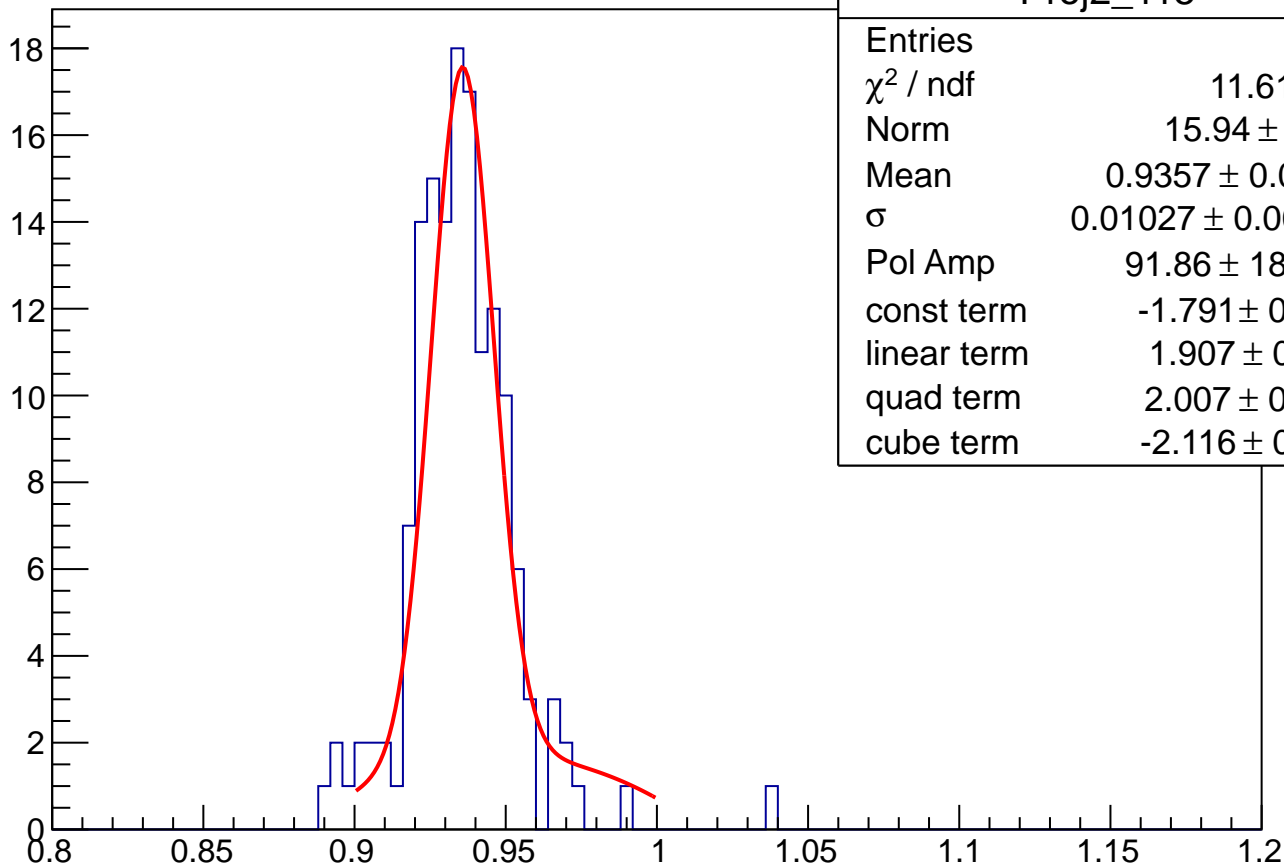
PhiThetaMassPim



Proj2_114

Entries	137
χ^2 / ndf	17.78 / 11
Norm	16.61 ± 3.15
Mean	0.9331 ± 0.0011
σ	0.006202 ± 0.001271
Pol Amp	440.8 ± 228.2
const term	-1.97 ± 0.01
linear term	2.142 ± 0.011
quad term	2.178 ± 0.011
cube term	-2.359 ± 0.010

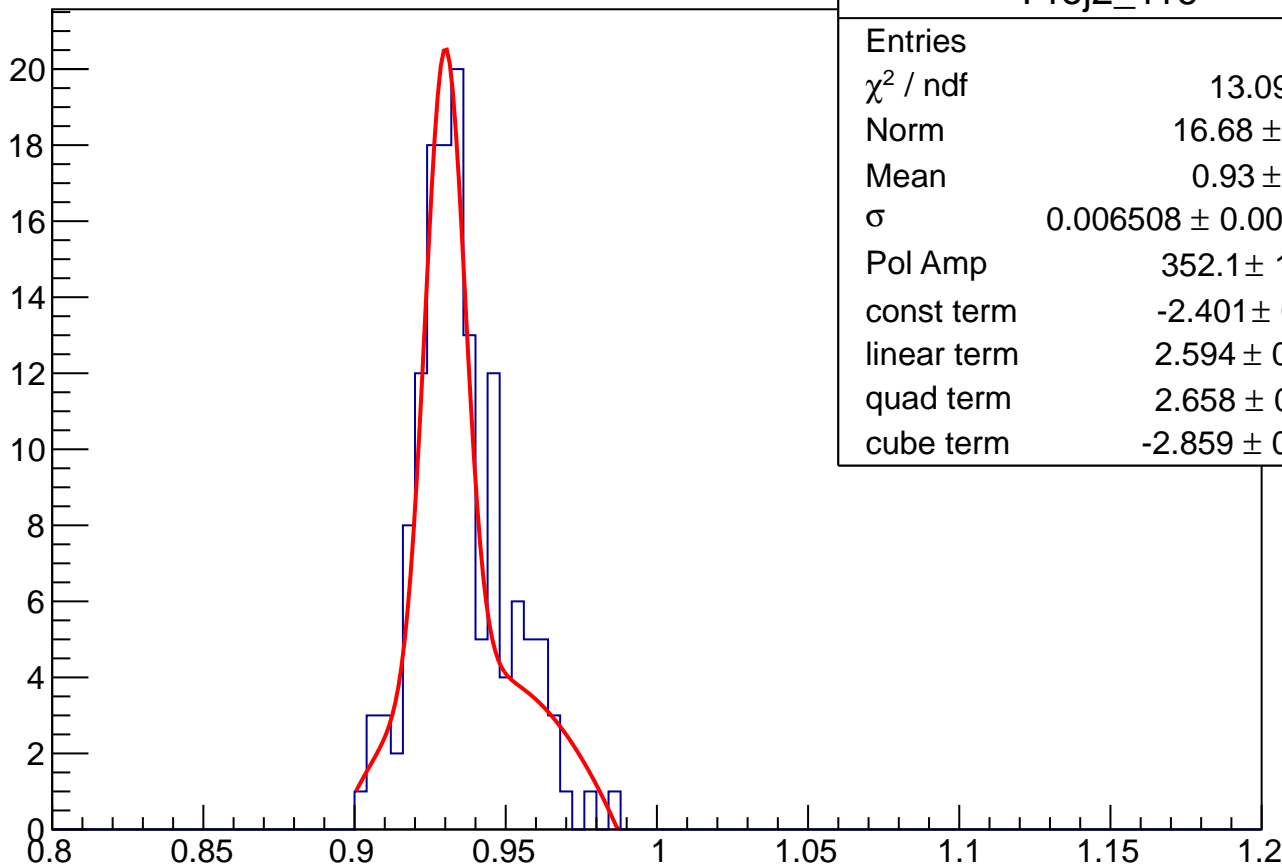
PhiThetaMassPim



Proj2_115

Entries	146
χ^2 / ndf	11.61 / 11
Norm	15.94 ± 2.22
Mean	0.9357 ± 0.0015
σ	0.01027 ± 0.00131
Pol Amp	91.86 ± 185.15
const term	-1.791 ± 0.042
linear term	1.907 ± 0.051
quad term	2.007 ± 0.054
cube term	-2.116 ± 0.051

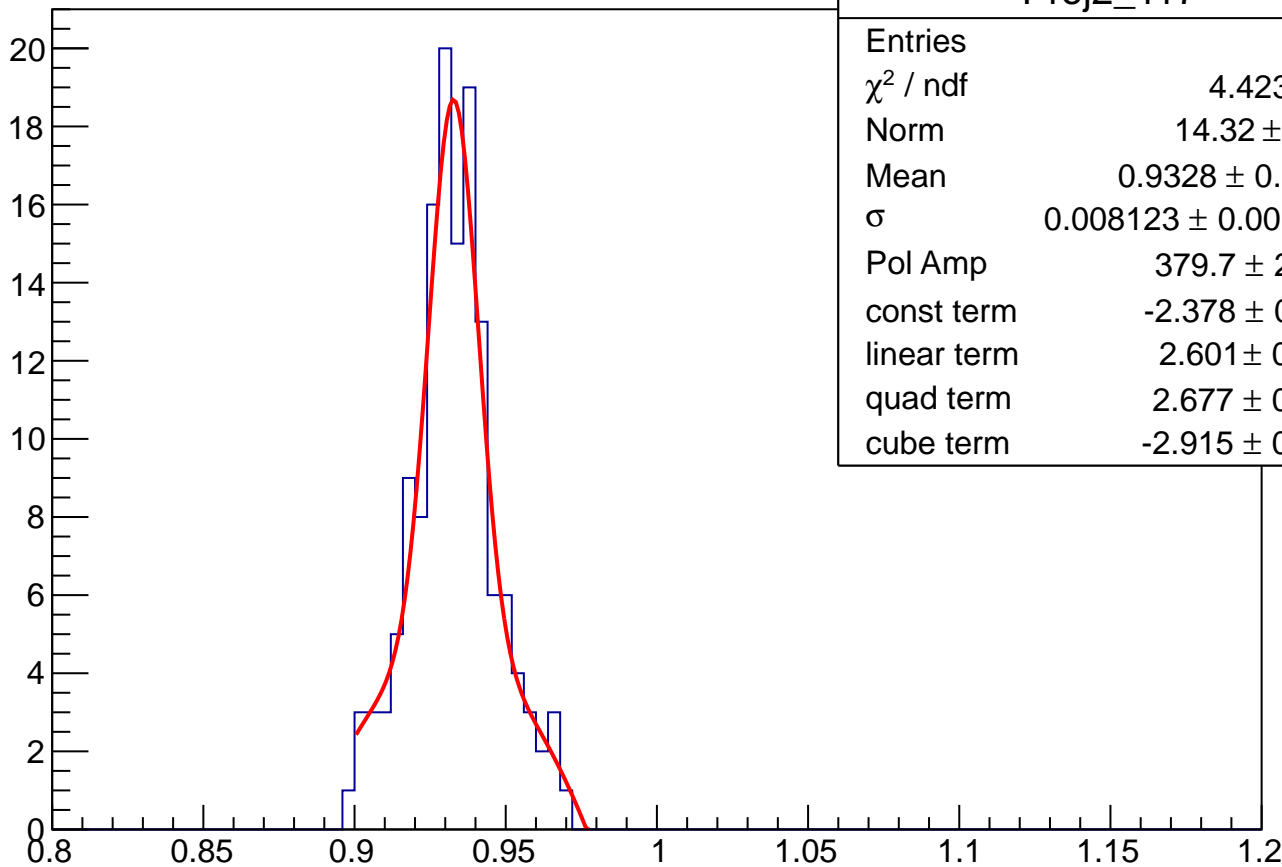
PhiThetaMassPim



Proj2_116

Entries	141
χ^2 / ndf	13.09 / 12
Norm	16.68 ± 2.93
Mean	0.93 ± 0.00
σ	0.006508 ± 0.001012
Pol Amp	352.1 ± 132.2
const term	-2.401 ± 0.011
linear term	2.594 ± 0.013
quad term	2.658 ± 0.014
cube term	-2.859 ± 0.013

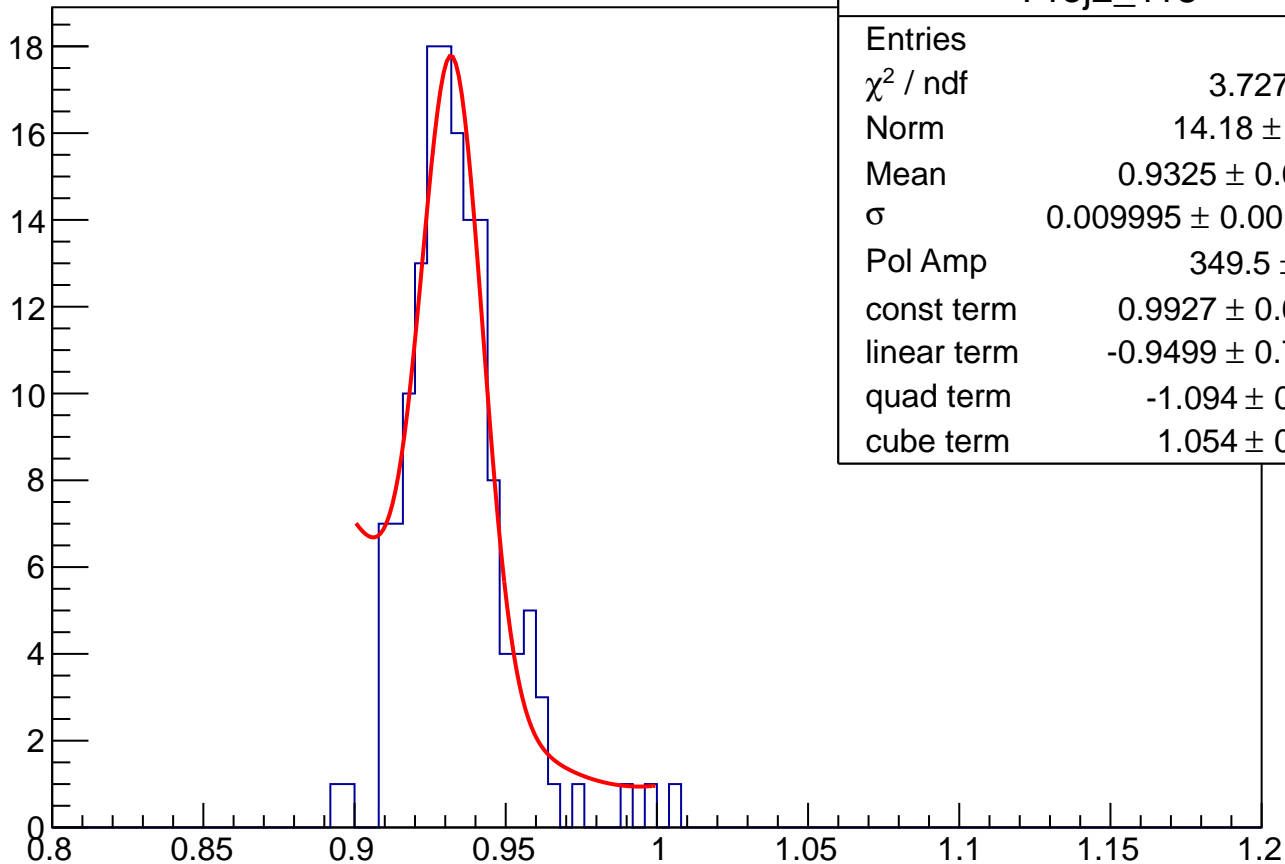
PhiThetaMassPim



Proj2_117

Entries	140
χ^2 / ndf	4.423 / 10
Norm	14.32 ± 2.78
Mean	0.9328 ± 0.0014
σ	0.008123 ± 0.001695
Pol Amp	379.7 ± 274.0
const term	-2.378 ± 0.014
linear term	2.601 ± 0.015
quad term	2.677 ± 0.016
cube term	-2.915 ± 0.016

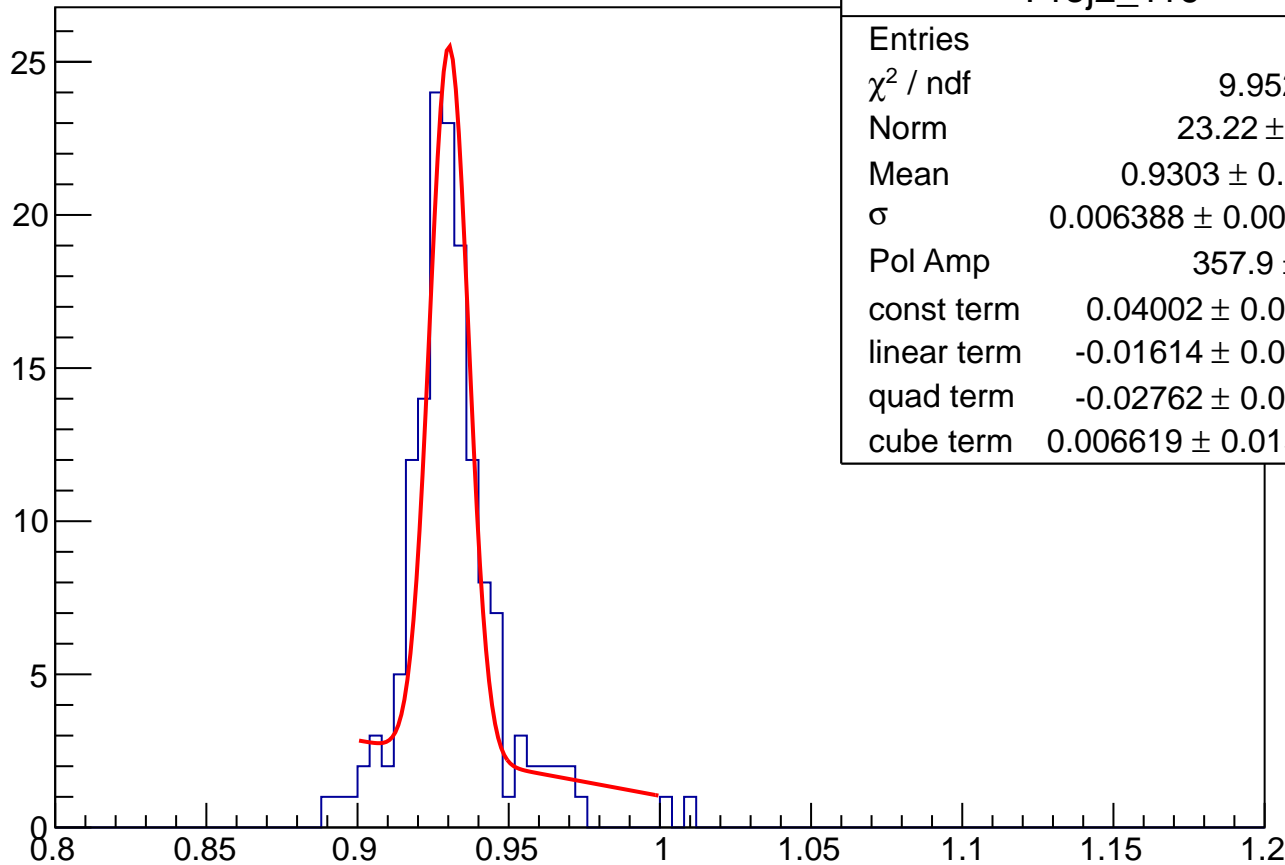
PhiThetaMassPim



Proj2_118

Entries	148
χ^2 / ndf	3.727 / 10
Norm	14.18 ± 2.37
Mean	0.9325 ± 0.0005
σ	0.009995 ± 0.001822
Pol Amp	349.5 ± 4.0
const term	0.9927 ± 0.6915
linear term	-0.9499 ± 0.7316
quad term	-1.094 ± 0.730
cube term	1.054 ± 0.772

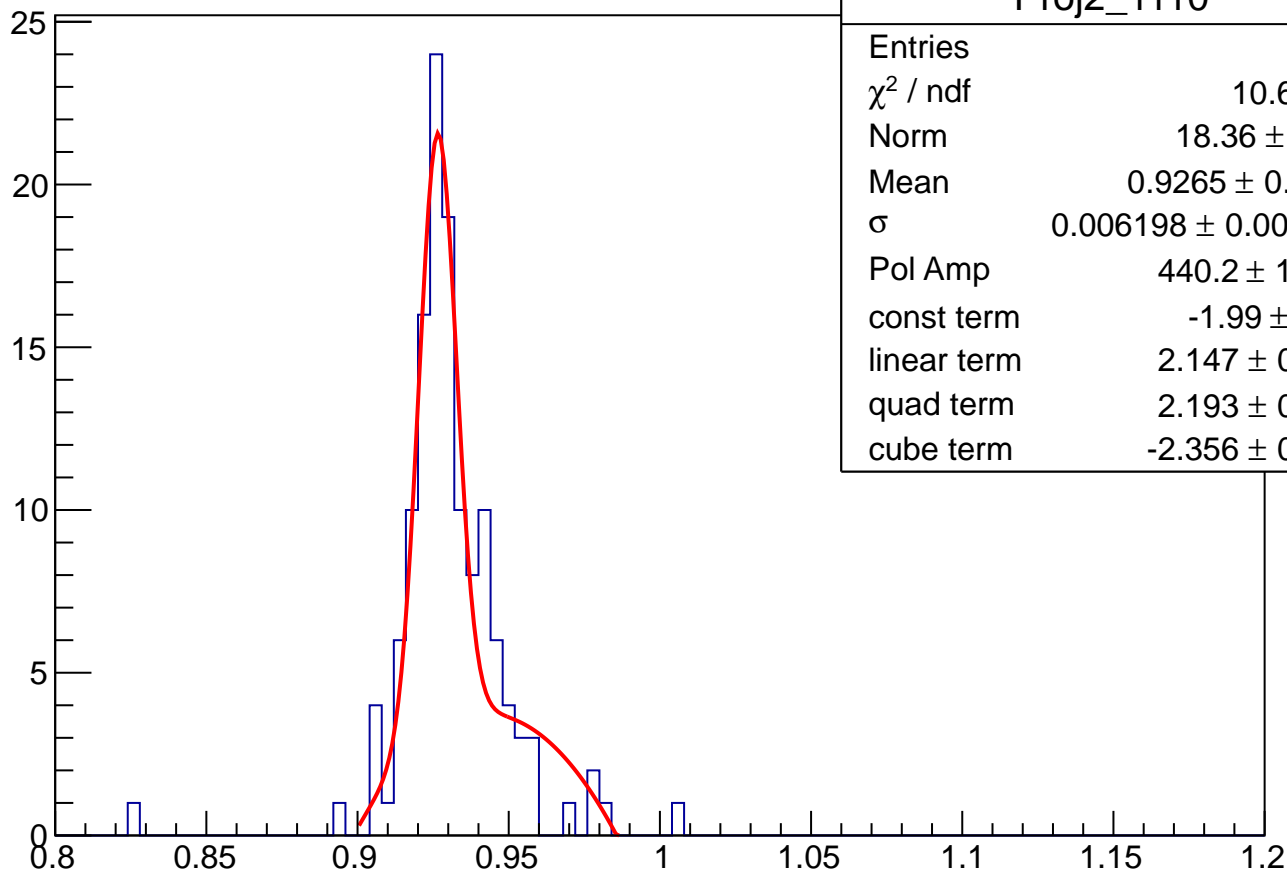
PhiThetaMassPim



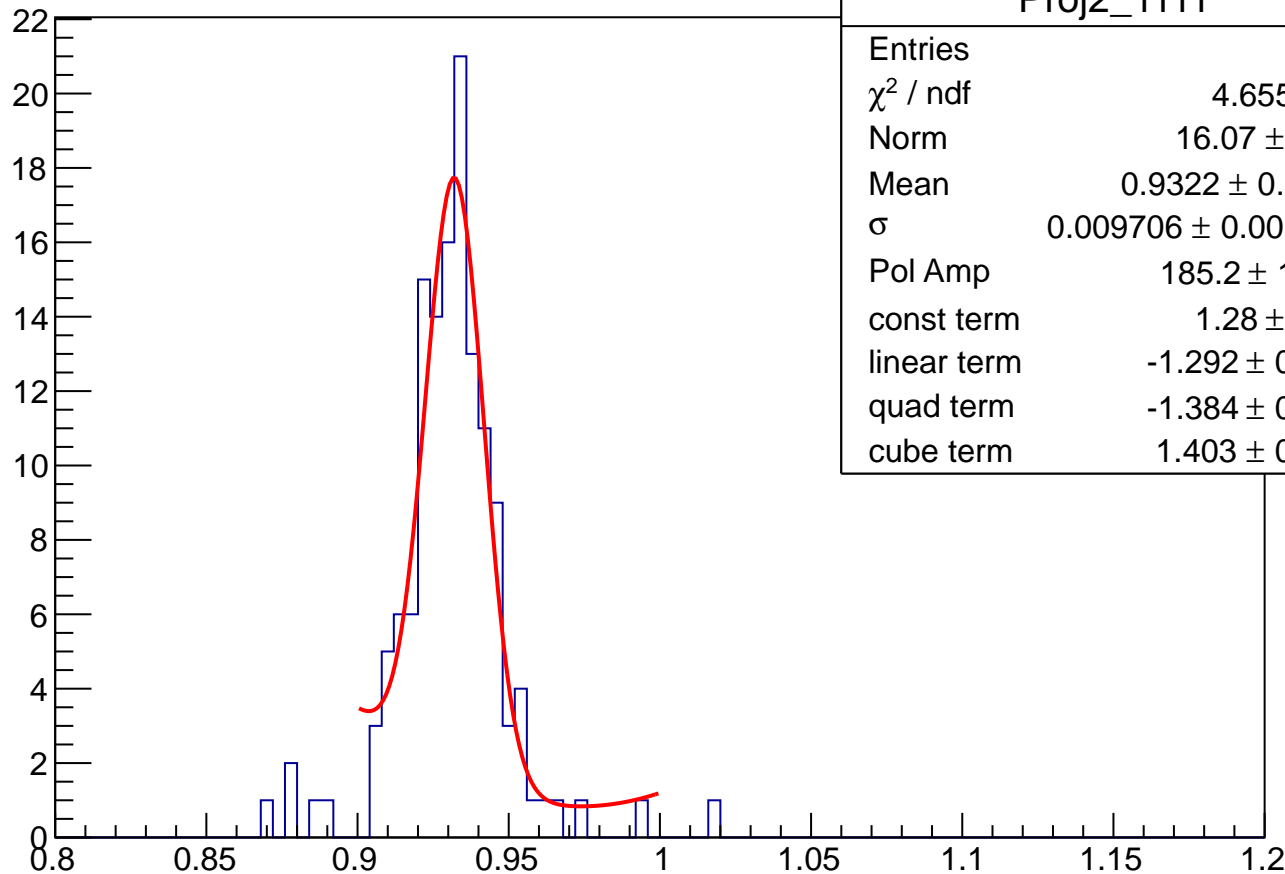
Proj2_119

Entries	149
χ^2 / ndf	9.952 / 11
Norm	23.22 ± 2.74
Mean	0.9303 ± 0.0000
σ	0.006388 ± 0.000002
Pol Amp	357.9 ± 0.0
const term	0.04002 ± 0.01317
linear term	-0.01614 ± 0.00452
quad term	-0.02762 ± 0.00503
cube term	0.006619 ± 0.015108

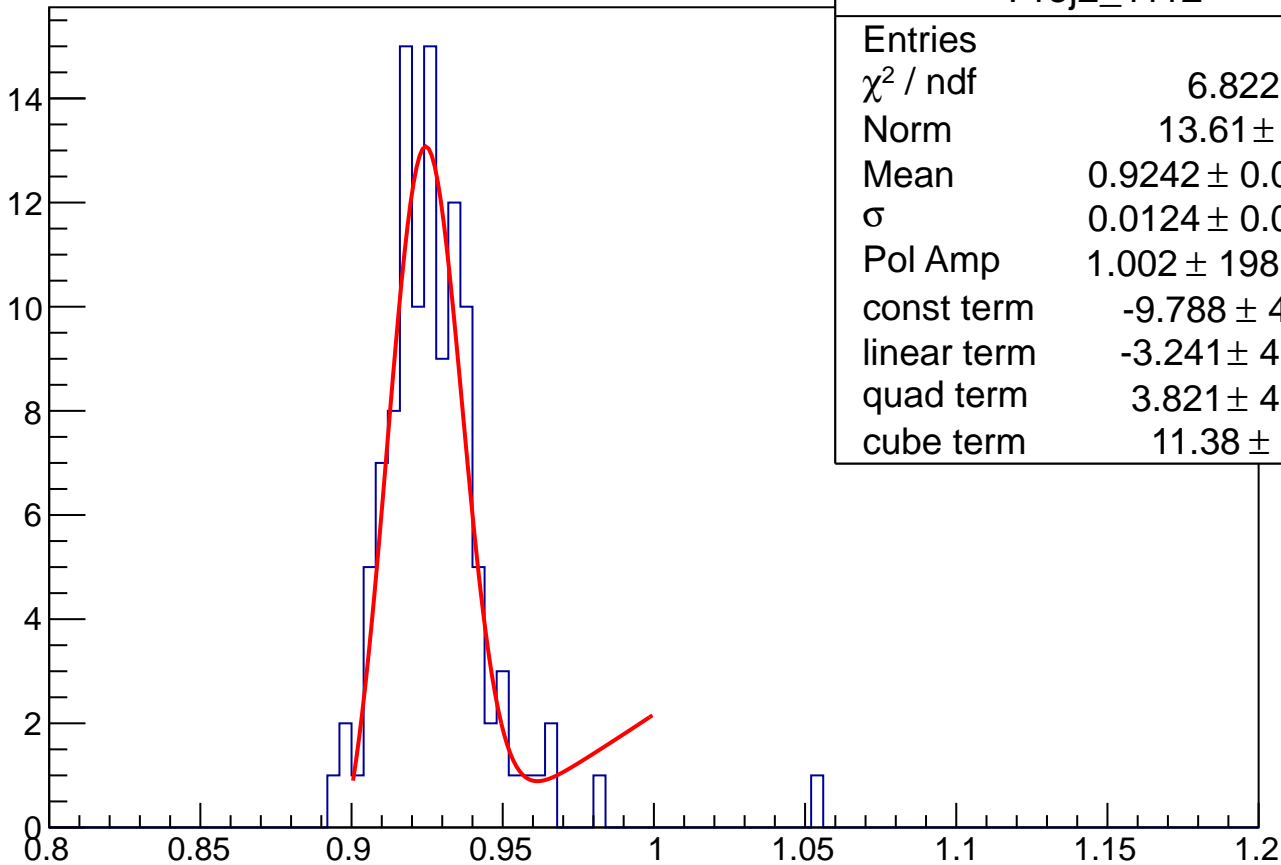
PhiThetaMassPim



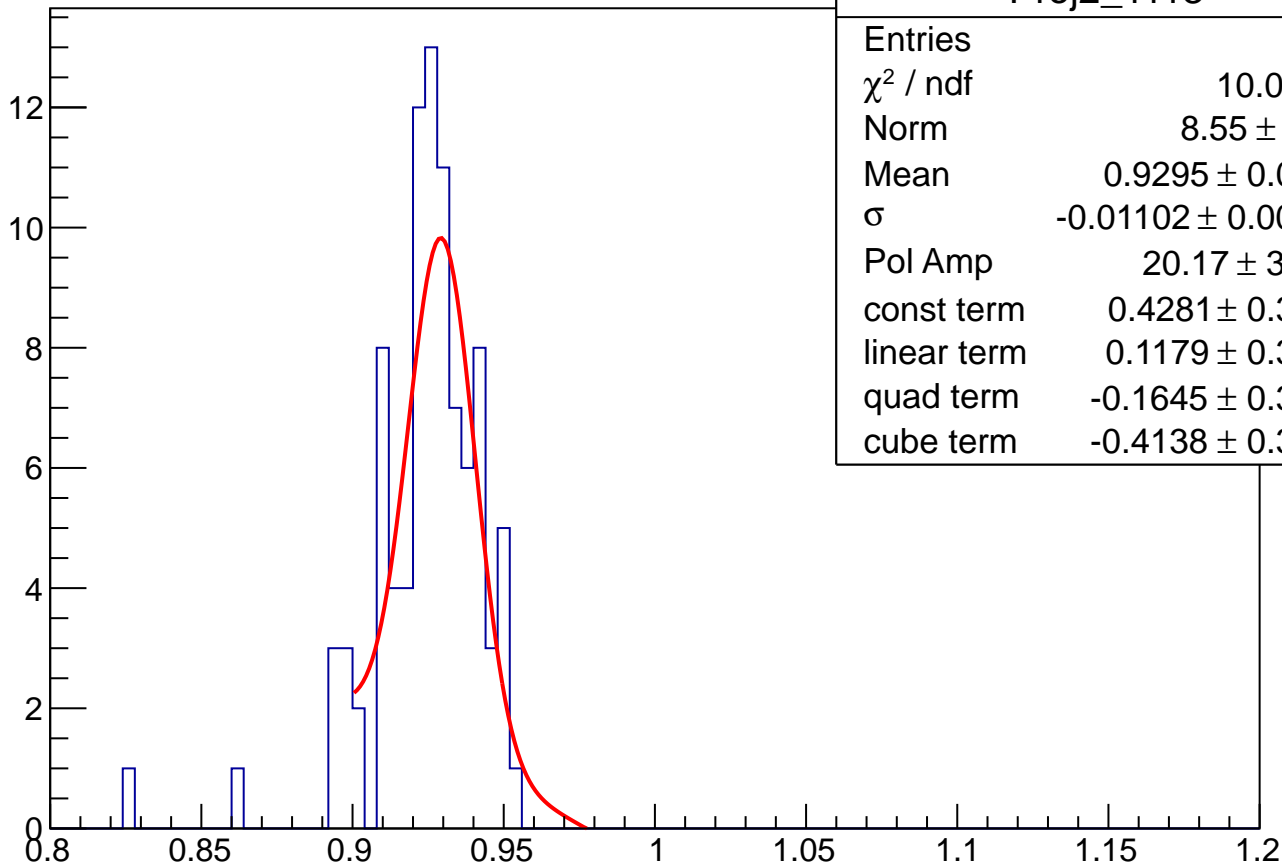
PhiThetaMassPim



PhiThetaMassPim



PhiThetaMassPim



Proj2_1113

Entries	92
χ^2 / ndf	10.05 / 5
Norm	8.55 ± 1.87
Mean	0.9295 ± 0.0027
σ	-0.01102 ± 0.00487
Pol Amp	20.17 ± 30.99
const term	0.4281 ± 0.3013
linear term	0.1179 ± 0.3190
quad term	-0.1645 ± 0.3368
cube term	-0.4138 ± 0.3543

